APPENDIX A-2

CONSTRUCTION HEALTH RISK ASSESSMENT

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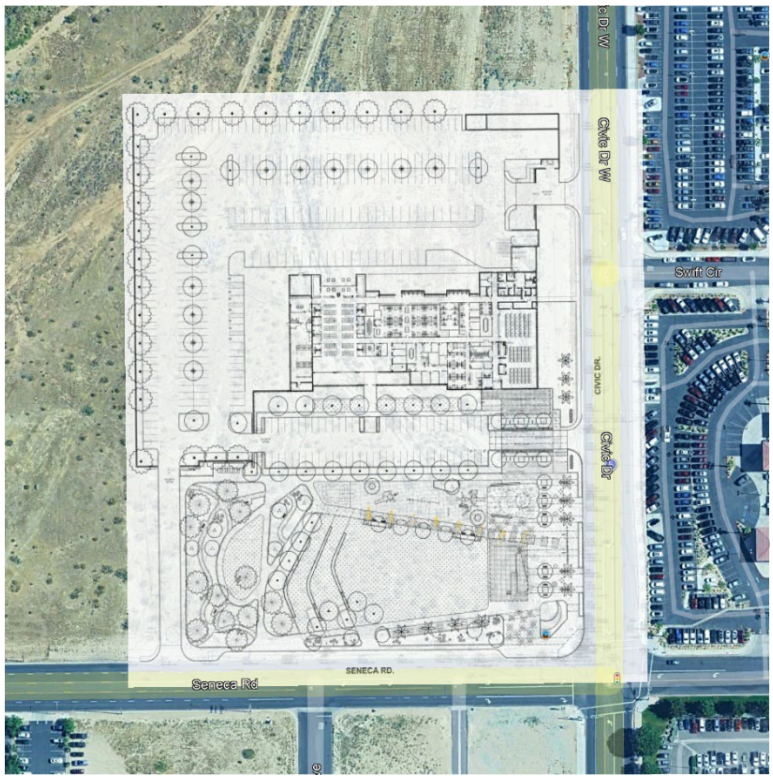
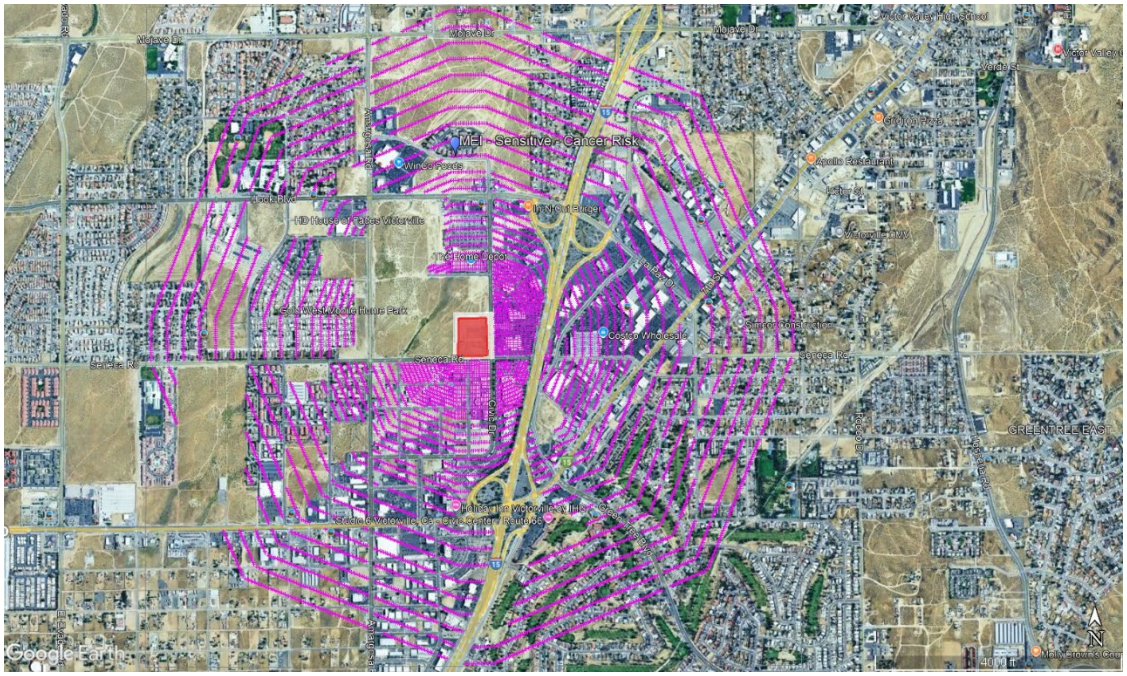
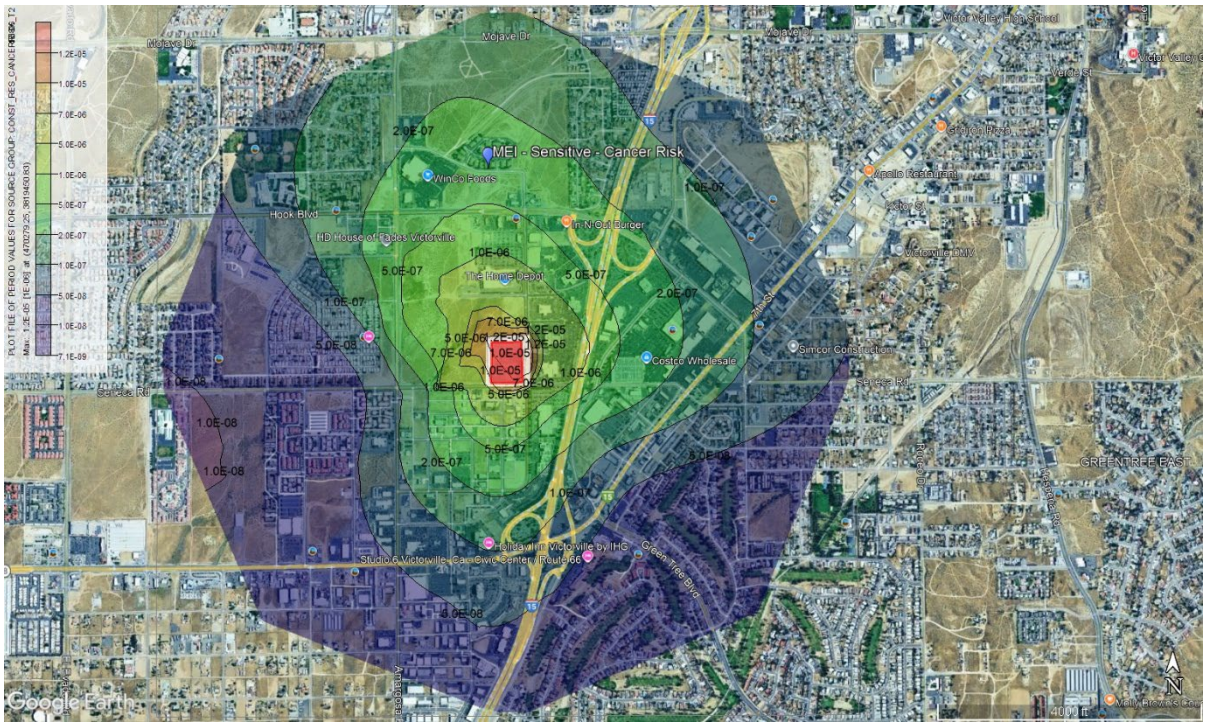
Project Location



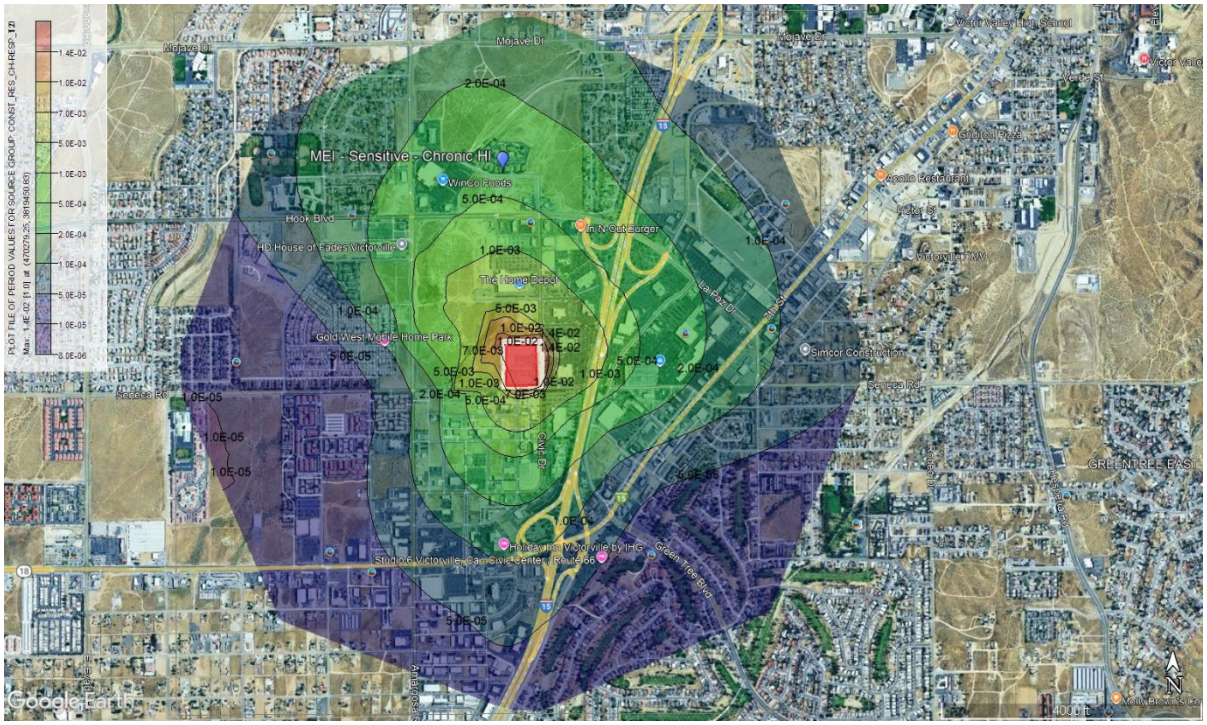
Sensitive Receptor Grid



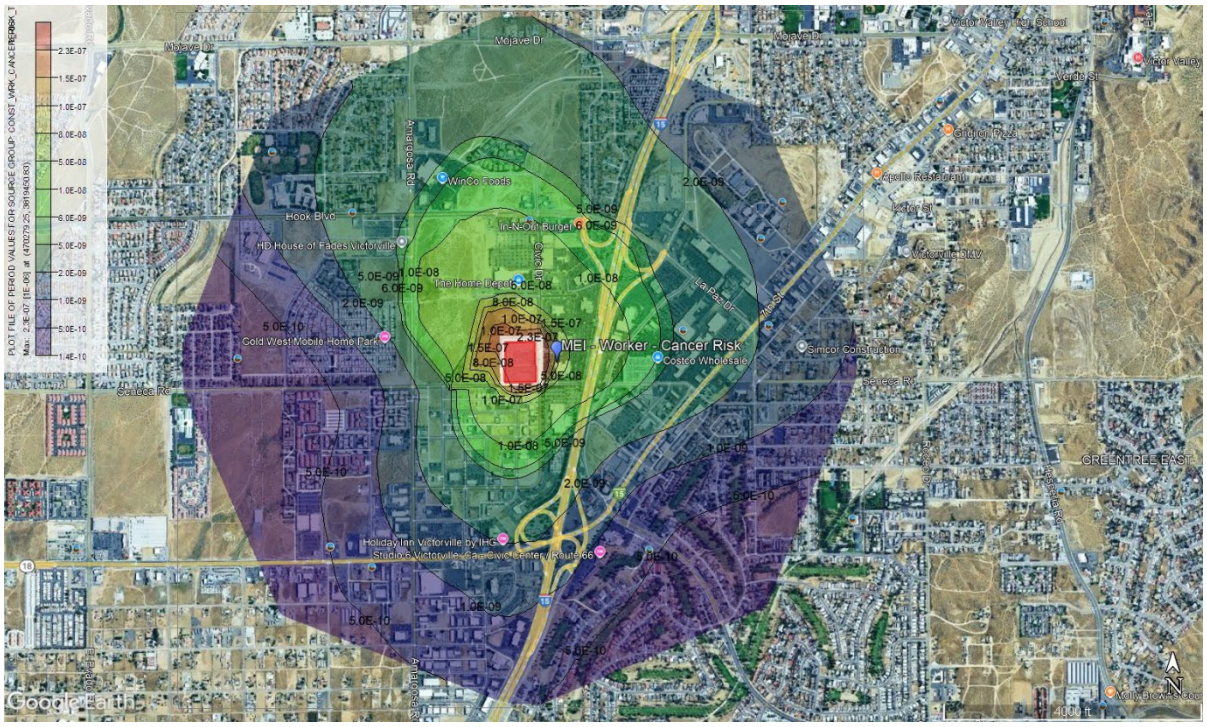
Construction Cancer Risk - Sensitive Receptors



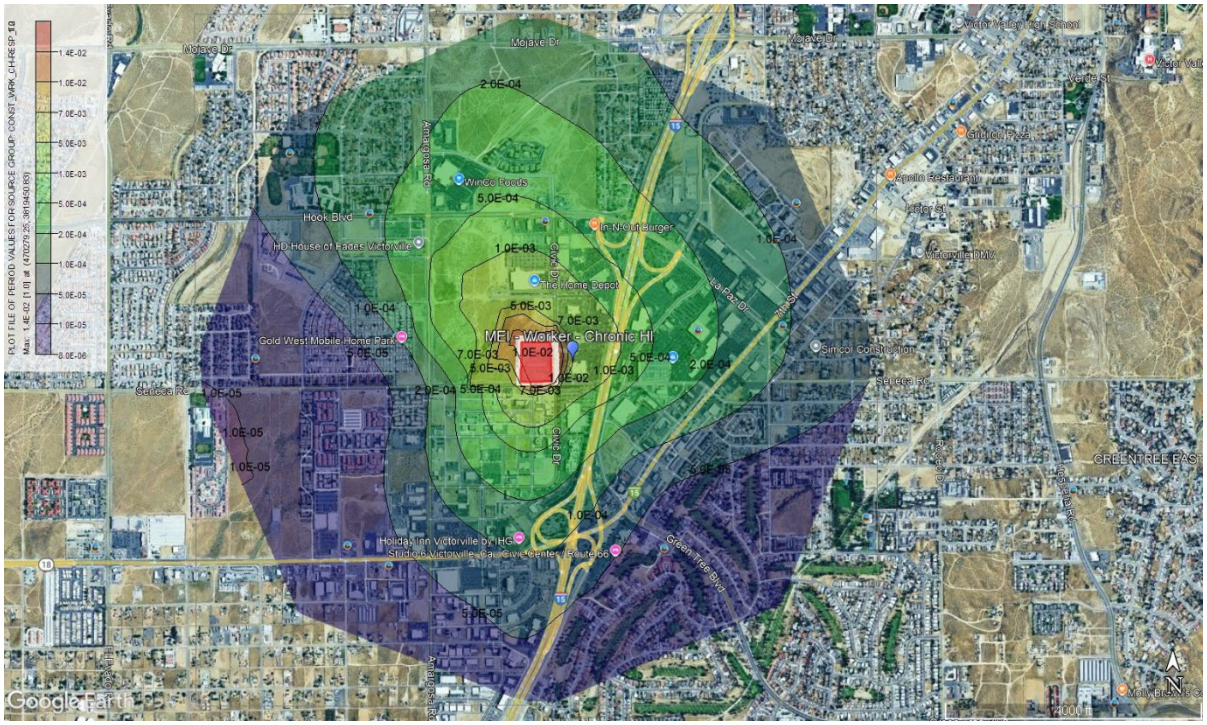
Construction Chronic Health Risk - Sensitive Receptors



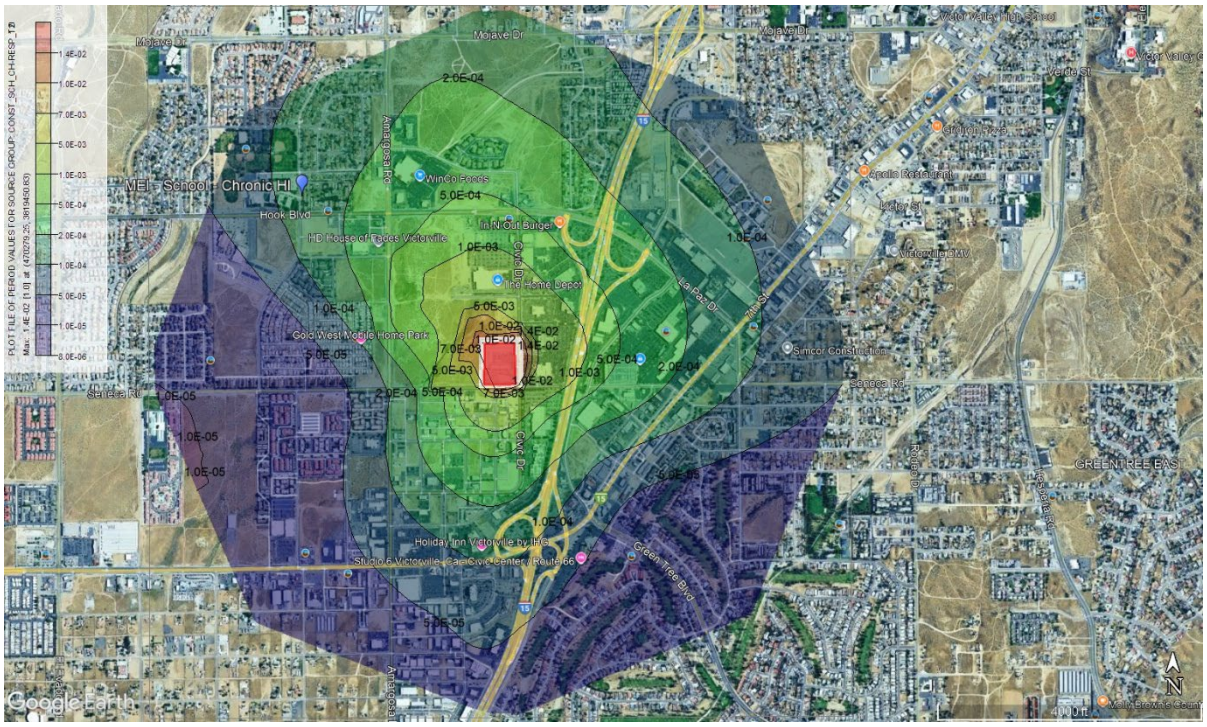
Construction Cancer Risk - Worker Receptor



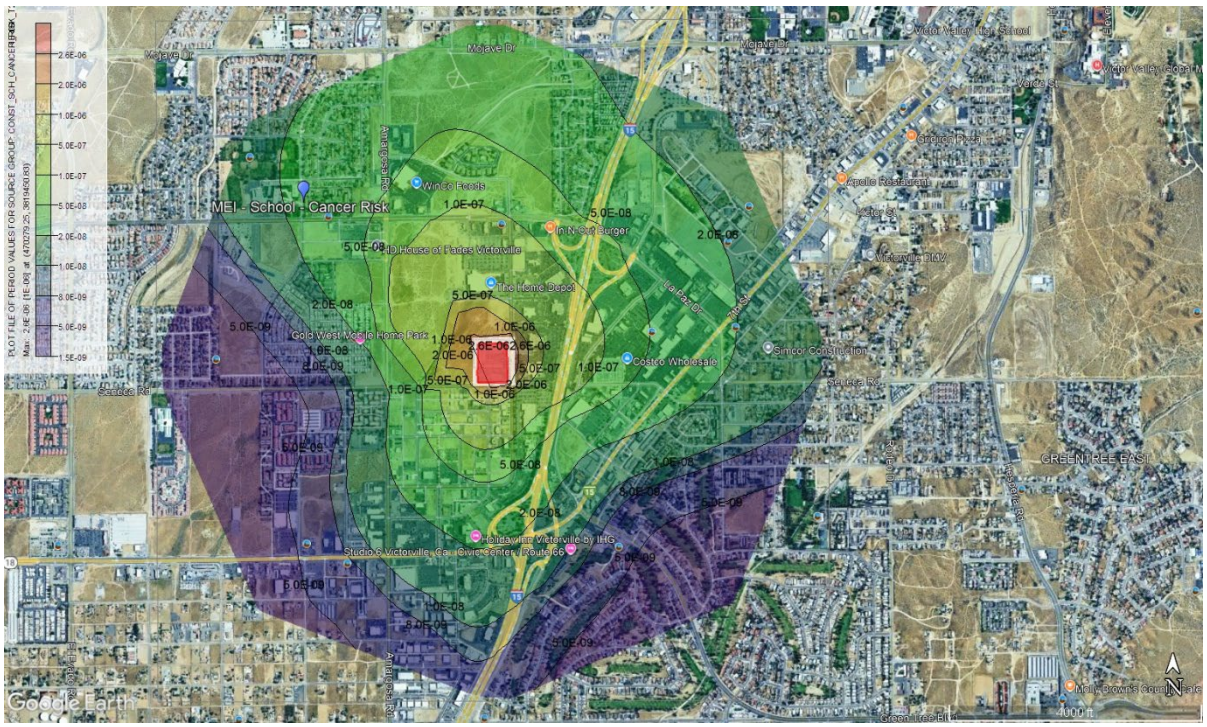
Construction Chronic Health Risk - Worker Receptor



Construction Cancer Risk - School Receptor



Construction Chronic Health Risk - School Receptor



Construction MEI (Sensitive) - Cancer Risk (in a Million) HARP Rec #: 5720 X: 470093.84 Y: 3820228.32			
T2	T3	T4i	T4f
0.35	0.26	0.04	0.02
MEI (Sensitive) - Chronic Hazard Index HARP Rec #: 5720 X: 470093.84 Y: 3820228.32			
T2	T3	T4i	T4f
3.91E-04	2.88E-04	5.04E-05	2.64E-05
MEI (Sensitive) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T3	T4i	T4f
0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (Sensitive) - PM 2.5 HARP Rec #: 5720 X: 470093.84 Y: 3820228.32			
T2	T3	T4i	T4f
0.002	0.0014	0.0003	0.0001

Construction MEI (Worker) - Cancer Risk (in a Million) HARP Rec #: 7407 X: 470350.24 Y: 3819335.65			
T2	T3	T4i	T4f
0.11	0.08	0.01	0.01
MEI (Worker) - Chronic Hazard Index HARP Rec #: 7407 X: 470350.24 Y: 3819335.65			
T2	T3	T4i	T4f
6.53E-03	4.80E-03	8.40E-04	4.40E-04
MEI (Worker) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T3	T4i	T4f
0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (Worker) - PM 2.5 HARP Rec #: 7407 X: 470350.24 Y: 3819335.65			
T2	T3	T4i	T4f
0.033	0.024	0.004	0.002

Construction MEI (School) - Cancer Risk (in a Million) HARP Rec #: 6187 X: 469271.68 Y: 3820105.65			
T2	T3	T4i	T4f
0.02	0.02	0.00	0.00
MEI (School) - Chronic Hazard Index HARP Rec #: 6187 X: 469271.68 Y: 3820105.65			
T2	T3	T4i	T4f
1.24E-04	9.14E-05	1.60E-05	8.38E-06
MEI (School) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T3	T4i	T4f
0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (School) - PM 2.5 HARP Rec #: 6187 X: 469271.68 Y: 3820105.65			
T2	T3	T4i	T4f
0.001	0.00046	0.00008	0.00004

Description	Receptor Type	Model Type	UTM X	UTM Y	Latitude	Longitude
Construction	Sensitive	Cancer Risk	470093.84	3820228.32	34.5232928	-117.3258537
Construction	Sensitive	Chronic HI	470093.84	3820228.32	34.5232928	-117.3258537
Construction	Sensitive	Acute HI	0	0		
Construction	Sensitive	PM 2.5	470093.84	3820228.32	34.5232928	-117.3258537
Construction	School	Cancer Risk	469271.68	3820105.65	34.52216233	-117.3348073
Construction	School	Chronic HI	469271.68	3820105.65	34.52216233	-117.3348073
Construction	School	Acute HI	0	0		
Construction	School	PM 2.5	469271.68	3820105.65	34.52216233	-117.3348073
Construction	Worker	Cancer Risk	470350.24	3819335.65	34.51525011	-117.3230289
Construction	Worker	Chronic HI	470350.24	3819335.65	34.51525011	-117.3230289
Construction	Worker	Acute HI	0	0		
Construction	Worker	PM 2.5	470350.24	3819335.65	34.51525011	-117.3230289

General AERMOD Input Parameters			
Project Boundary			
	Based on site plan		
Project Elevation Data			
	Source	**Lakes Environmental**	
	Link	http://www.webgis.com/terraindata.html	
	Evel Data Descr.	**7.5 min DEM not available**	
Project Receptor Grid			
	Telescoping Grid	Spacing (m)	Distance (m)
	Grid 1	**10**	**100**
	Grid 2	**20**	**200**
	Grid 3	**40**	**400**
	Grid 4	**80**	**800**
	Comments	**Receptors on roads or parking lot areas have been removed.**	
Meteorological Dataset			
	Location	**SoCal Logistic Airport**	
	Provided By	**CARB - Mojave**	
	Years	**2010 - 2014**	
	Elevation (m)	**860**	
	Link		
Construction Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period & Hourly**	
	Dispersion Coefficient	**Urban**	
	County	**Victorville**	
	Urban Grouping / Pop	**Y**	**134,810**
	# of Worker Receptors	**10,378**	
	# of Sensitive Receptors		
	# of School Receptors		
Construction Area Parameters			
	Source Type	**Polygon Area**	
	Project Area (m^2)	**26413.6**	
	Ht. of Source (m)	**3.048**	

General HARP Input Parameters		
Construction		
School Receptors		
School Scenario Parameters		
	Class Grade	**K-12**
	Starting Age	**4**
	Age Range	**4 Year Old - 6 Years Old**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**RMP using the Derived Method**
	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
School Pathway Parameters		
	Pathways	**Mojave AQMD Mandatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**
Sensitive Receptors		
Sensitive Scenario Parameters		
	Starting Age	**3rd Trimester**
	Age Range	**3rd Trimester - 3 Year**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**Mojave AQMD Mandatory minimum Pathways**
	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Sensitive Pathway Parameters		
	Pathways	**Mojave AQMD Mandatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**Y**
	TAH ≥ 16 yrs	**Y**
Worker Receptors		
Worker Scenario Parameters		
	Starting Age	**16**
	Age Range	**16 - 18**
	Receptor Type	**Worker**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**OEHHA Derived Method**

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

			T2			5724	T3				T4i				T4f			
						3.47E-07				2.62E-07				4.24E-08				2.46E-08
					5720	3820228.32												
			Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total
1	470223.98	3819217.76	1.88E-06	7.28E-06	9.65E-08	9.25E-06	1.56E-06	5.35E-06	6.92E-08	6.98E-06	1.77E-07	9.37E-07	1.65E-08	1.13E-06	1.61E-07	4.91E-07	4.98E-09	6.57E-07
2	470214.42	3819217.63	1.91E-06	7.41E-06	9.82E-08	9.42E-06	1.59E-06	5.45E-06	7.05E-08	7.11E-06	1.81E-07	9.54E-07	1.68E-08	1.15E-06	1.64E-07	5.00E-07	5.07E-09	6.69E-07
3	470204.85	3819217.49	1.92E-06	7.47E-06	9.89E-08	9.49E-06	1.60E-06	5.49E-06	7.10E-08	7.16E-06	1.82E-07	9.61E-07	1.69E-08	1.16E-06	1.65E-07	5.03E-07	5.10E-09	6.74E-07
4	470195.29	3819217.36	1.92E-06	7.44E-06	9.86E-08	9.46E-06	1.60E-06	5.47E-06	7.08E-08	7.14E-06	1.81E-07	9.58E-07	1.68E-08	1.16E-06	1.65E-07	5.02E-07	5.09E-09	6.72E-07
5	470185.73	3819217.22	1.89E-06	7.35E-06	9.73E-08	9.34E-06	1.58E-06	5.40E-06	6.98E-08	7.04E-06	1.79E-07	9.46E-07	1.66E-08	1.14E-06	1.63E-07	4.95E-07	5.02E-09	6.63E-07
6	470271.93	3819208.44	1.02E-06	3.97E-06	5.25E-08	5.04E-06	8.52E-07	2.91E-06	3.77E-08	3.80E-06	9.66E-08	5.11E-07	8.96E-09	6.16E-07	8.78E-08	2.67E-07	2.71E-09	3.58E-07
7	470262.37	3819208.3	1.14E-06	4.43E-06	5.87E-08	5.63E-06	9.51E-07	3.25E-06	4.21E-08	4.25E-06	1.08E-07	5.70E-07	1.00E-08	6.88E-07	9.80E-08	2.98E-07	3.03E-09	3.99E-07
8	470252.81	3819208.17	1.25E-06	4.83E-06	6.40E-08	6.14E-06	1.04E-06	3.55E-06	4.60E-08	4.64E-06	1.18E-07	6.22E-07	1.09E-08	7.51E-07	1.07E-07	3.26E-07	3.30E-09	4.36E-07
9	470243.24	3819208.03	1.33E-06	5.17E-06	6.85E-08	6.57E-06	1.11E-06	3.80E-06	4.92E-08	4.96E-06	1.26E-07	6.66E-07	1.17E-08	8.03E-07	1.14E-07	3.49E-07	3.53E-09	4.67E-07
10	470233.68	3819207.9	1.40E-06	5.42E-06	7.19E-08	6.90E-06	1.17E-06	3.99E-06	5.16E-08	5.20E-06	1.32E-07	6.98E-07	1.23E-08	8.43E-07	1.20E-07	3.66E-07	3.71E-09	4.89E-07
11	470224.12	3819207.76	1.45E-06	5.61E-06	7.44E-08	7.13E-06	1.21E-06	4.12E-06	5.34E-08	5.38E-06	1.37E-07	7.22E-07	1.27E-08	8.72E-07	1.24E-07	3.78E-07	3.84E-09	5.06E-07
12	470214.56	3819207.63	1.48E-06	5.74E-06	7.60E-08	7.29E-06	1.23E-06	4.21E-06	5.45E-08	5.50E-06	1.40E-07	7.38E-07	1.30E-08	8.91E-07	1.27E-07	3.87E-07	3.92E-09	5.18E-07
13	470205	3819207.49	1.49E-06	5.79E-06	7.67E-08	7.36E-06	1.24E-06	4.26E-06	5.51E-08	5.56E-06	1.41E-07	7.46E-07	1.31E-08	9.00E-07	1.28E-07	3.90E-07	3.96E-09	5.23E-07
14	470195.43	3819207.36	1.49E-06	5.79E-06	7.67E-08	7.36E-06	1.24E-06	4.26E-06	5.51E-08	5.56E-06	1.41E-07	7.46E-07	1.31E-08	9.00E-07	1.28E-07	3.90E-07	3.96E-09	5.23E-07
15	470185.87	3819207.22	1.48E-06	5.73E-06	7.59E-08	7.29E-06	1.23E-06	4.21E-06	5.45E-08	5.50E-06	1.40E-07	7.38E-07	1.30E-08	8.90E-07	1.27E-07	3.86E-07	3.92E-09	5.17E-07
16	470166.75	3819206.95	1.40E-06	5.44E-06	7.20E-08	6.91E-06	1.17E-06	4.00E-06	5.17E-08	5.22E-06	1.32E-07	7.00E-07	1.23E-08	8.45E-07	1.20E-07	3.67E-07	3.72E-09	4.91E-07
17	470157.18	3819206.82	1.34E-06	5.19E-06	6.88E-08	6.60E-06	1.12E-06	3.82E-06	4.94E-08	4.98E-06	1.26E-07	6.69E-07	1.17E-08	8.07E-07	1.15E-07	3.50E-07	3.55E-09	4.69E-07
18	470147.62	3819206.68	1.26E-06	4.88E-06	6.46E-08	6.20E-06	1.05E-06	3.58E-06	4.64E-08	4.68E-06	1.19E-07	6.28E-07	1.10E-08	7.57E-07	1.08E-07	3.29E-07	3.33E-09	4.40E-07
19	470138.06	3819206.55	1.15E-06	4.47E-06	5.93E-08	5.69E-06	9.61E-07	3.29E-06	4.26E-08	4.29E-06	1.09E-07	5.76E-07	1.01E-08	6.95E-07	9.91E-08	3.02E-07	3.06E-09	4.04E-07
20	470128.5	3819206.41	1.03E-06	3.99E-06	5.28E-08	5.07E-06	8.57E-07	2.93E-06	3.79E-08	3.83E-06	9.71E-08	5.13E-07	9.01E-09	6.20E-07	8.83E-08	2.69E-07	2.73E-09	3.60E-07
21	470118.94	3819206.28	8.95E-07	3.47E-06	4.60E-08	4.41E-06	7.46E-07	2.55E-06	3.30E-08	3.33E-06	8.46E-08	4.47E-07	7.85E-09	5.39E-07	7.69E-08	2.34E-07	2.37E-09	3.13E-07
22	470109.37	3819206.14	7.67E-07	2.97E-06	3.94E-08	3.78E-06	6.39E-07	2.19E-06	2.83E-08	2.85E-06	7.24E-08	3.83E-07	6.72E-09	4.62E-07	6.58E-08	2.00E-07	2.03E-09	2.68E-07
23	470272.07	3819198.44	8.31E-07	3.22E-06	4.27E-08	4.10E-06	6.92E-07	2.37E-06	3.06E-08	3.09E-06	7.85E-08	4.15E-07	7.28E-09	5.01E-07	7.13E-08	2.17E-07	2.20E-09	2.91E-07
24	470262.51	3819198.3	9.09E-07	3.53E-06	4.67E-08	4.48E-06	7.57E-07	2.59E-06	3.35E-08	3.38E-06	8.58E-08	4.54E-07	7.97E-09	5.48E-07	7.80E-08	2.38E-07	2.41E-09	3.18E-07
25	470252.95	3819198.17	9.88E-07	3.83E-06	5.08E-08	4.87E-06	8.23E-07	2.81E-06	3.64E-08	3.67E-06	9.33E-08	4.93E-07	8.66E-09	5.95E-07	8.48E-08	2.58E-07	2.62E-09	3.46E-07
26	470243.39	3819198.03	1.06E-06	4.10E-06	5.43E-08	5.21E-06	8.81E-07	3.01E-06	3.90E-08	3.93E-06	9.98E-08	5.28E-07	9.27E-09	6.37E-07	9.08E-08	2.76E-07	2.80E-09	3.70E-07
27	470233.82	3819197.9	1.11E-06	4.32E-06	5.72E-08	5.49E-06	9.28E-07	3.17E-06	4.11E-08	4.14E-06	1.05E-07	5.56E-07	9.76E-09	6.71E-07	9.56E-08	2.91E-07	2.95E-09	3.90E-07
28	470224.26	3819197.76	1.16E-06	4.48E-06	5.94E-08	5.70E-06	9.63E-07	3.30E-06	4.26E-08	4.30E-06	1.09E-07	5.77E-07	1.01E-08	6.97E-07	9.93E-08	3.02E-07	3.07E-09	4.05E-07
29	470214.7	3819197.63	1.19E-06	4.60E-06	6.09E-08	5.84E-06	9.87E-07	3.38E-06	4.37E-08	4.41E-06	1.12E-07	5.92E-07	1.04E-08	7.14E-07	1.02E-07	3.10E-07	3.14E-09	4.15E-07
30	470205.14	3819197.49	1.20E-06	4.66E-06	6.17E-08	5.92E-06	1.00E-06	3.42E-06	4.43E-08	4.47E-06	1.13E-07	6.00E-07	1.05E-08	7.24E-07	1.03E-07	3.14E-07	3.18E-09	4.20E-07
31	470195.57	3819197.36	1.21E-06	4.67E-06	6.19E-08	5.94E-06	1.00E-06	3.43E-06	4.44E-08	4.48E-06	1.14E-07	6.02E-07	1.06E-08	7.26E-07	1.03E-07	3.15E-07	3.19E-09	4.22E-07
32	470186.01	3819197.22	1.20E-06	4.64E-06	6.15E-08	5.90E-06	9.96E-07	3.41E-06	4.41E-08	4.45E-06	1.13E-07	5.97E-07	1.05E-08	7.21E-07	1.03E-07	3.13E-07	3.17E-09	4.19E-07
33	470166.89	3819196.95	1.14E-06	4.43E-06	5.87E-08	5.63E-06	9.51E-07	3.25E-06	4.21E-08	4.25E-06	1.08E-07	5.70E-07	1.00E-08	6.88E-07	9.80E-08	2.98E-07	3.03E-09	4.00E-07
34	470157.33	3819196.82	1.10E-06	4.25E-06	5.63E-08	5.40E-06	9.12E-07	3.12E-06	4.04E-08	4.07E-06	1.03E-07	5.47E-07	9.60E-09	6.60E-07	9.40E-08	2.86E-07	2.90E-09	3.83E-07
35	470147.76	3819196.68	1.03E-06	4.01E-06	5.31E-08	5.10E-06	8.61E-07	2.95E-06	3.81E-08	3.85E-06	9.76E-08	5.16E-07	9.06E-09	6.23E-07	8.87E-08	2.70E-07	2.74E-09	3.62E-07
36	470138.2	3819196.55	9.58E-07	3.72E-06	4.92E-08	4.72E-06	7.98E-07	2.73E-06	3.53E-08	3.56E-06	9.05E-08	4.78E-07	8.40E-09	5.77E-07	8.23E-08	2.51E-07	2.54E-09	3.35E-07
37	470128.64	3819196.41	8.68E-07	3.37E-06	4.46E-08	4.28E-06	7.23E-07	2.47E-06	3.20E-08	3.23E-06	8.20E-08	4.34E-07	7.61E-09	5.23E-07	7.45E-08	2.27E-07	2.30E-09	3.04E-07
38	470119.08	3819196.28	7.73E-07	3.00E-06	3.97E-08	3.81E-06	6.44E-07	2.20E-06	2.85E-08	2.88E-06	7.30E-08	3.86E-07	6.77E-09	4.66E-07	6.64E-08	2.02E-07	2.05E-09	2.71E-07
39	470109.51	3819196.14	6.78E-07	2.63E-06	3.49E-08	3.34E-06	5.65E-07	1.93E-06	2.50E-08	2.52E-06	6.41E-08	3.39E-07	5.94E-09	4.09E-07	5.82E-08	1.77E-07	1.80E-09	2.37E-07
40	470320.39	3819212.46	5.84E-07	2.27E-06	3.00E-08	2.88E-06	4.87E-07	1.67E-06	2.15E-08	2.17E-06	5.52E-08	2.92E-07	5.12E-09	3.52E-07	5.02E-08	1.53E-07	1.55E-09	2.04E-07
41	470272.21	3819188.44	6.91E-07	2.68E-06	3.55E-08	3.41E-06	5.75E-07	1.97E-06	2.55E-08	2.57E-06	6.52E-08	3.45E-07	6.05E-09	4.16E-07	5.93E-08	1.81E-07	1.83E-09	2.42E-07
42	470262.65	3819188.3	7.51E-07	2.91E-06	3.86E-08	3.70E-06	6.26E-07	2.14E-06	2.77E-08	2.79E-06	7.09E-08	3.75E-07	6.58E-09	4.52E-07	6.45E-08	1.96E-07	1.99E-09	2.63E-07
43	470253.09	3819188.17	8.12E-07	3.15E-06	4.17E-08	4.00E-06	6.76E-07	2.31E-06	2.99E-08	3.02E-06	7.67E-08	4.05E-07	7.11E-09	4.89E-07	6.97E-08	2.12E-07	2.15E-09	2.84E-07
44	470243.53	3819188.03	8.67E-07	3.36E-06	4.46E-08	4.27E-06	7.22E-07	2.47E-06	3.20E-08	3.23E-06	8.19E-08	4.33E-07	7.60E-09	5.22E-07	7.44E-08	2.27E-07	2.30E-09	3.03E-07
45	470233.96	3819187.9	9.14E-07	3.54E-06	4.69E-08	4.50E-06	7.61E-07	2.60E-06	3.37E-08	3.40E-06	8.63E-08	4.56E-07	8.01E-09	5.50E-07	7.84E-08	2.39E-07	2.42E-09	3.20E-07
46	470224.4	3819187.76	9.50E-07	3.68E-06	4.88E-08	4.68E-06	7.91E-07	2.71E-06	3.50E-08	3.53E-06	8.97E-08	4.74E-07	8.32E-09	5.72E-07	8.16E-08	2.48E-07	2.52E-09	3.32E-07
47	470214.84	3819187.63	9.76E-07	3.79E-06	5.01E-08	4.81E-06	8.13E-07	2.78E-06	3.60E-08	3.63E-06	9.22E-08	4.87E-07	8.55E-09	5.88E-07	8.38E-08	2.55E-07	2.59E-09	3.42E-07
48	470205.28	3819187.49	9.92E-07	3.85E-06	5.09E-08	4.89E-06	8.26E-07	2.83E-06	3.66E-08	3.69E-06	9.36E-08	4.95E-07	8.69E-09	5.97E-07	8.51E-08	2.59E-07	2.63E-09	3.47E-07
49	470195.72	3819187.36	9.97E-07	3.87E-06	5.12E-08	4.92E-06	8.31E-07	2.84E-06	3.68E-08	3.71E-06	9.42E-08	4.98E-07	8.74E-09	6.01E-07	8.56E-08	2.61E-07	2.64E-09	3.49E-07
50	470186.15	3819187.22	9.93E-07	3.85E-06	5.10E-08	4.89E-06	8.27E-07	2.83E-06	3.66E-08	3.69E-06	9.37E-08	4.96E-07	8.70E-09	5.98E-07	8.52E-08	2.60E-07	2.63E-09	3.47E-07
51	470167.03	3819186.95	9.53E-07	3.70E-06	4.90E-08	4.70E-06	7.94E-07	2.72E-06	3.51E-08	3.54E-06	9.00E-08	4.76E-07	8.35E-09	5.74E-07	8.18E-08	2.49E-07	2.53E-09	3.33E-07
52	470157.47	3819186.82	9.16E-07	3.55E-06	4.71E-08	4.52E-06	7.63E-07	2.61E-06	3.38E-08	3.41E-06	8.65E-08	4.57E-07	8.03E-09	5.52E-07	7.87E-08	2.40E-07	2.43E-09	3.21E-07
53	470147.9	3819186.68	8.69E-07	3.37E-06	4.46E-08	4.28E-06	7.24E-07	2.48E-06	3.20E-08	3.23E-06	8.21E-08	4.34E-07	7.61E-09	5.24E-07	7.46E-08	2.27E-07	2.30E-09	3.04E-07
54	470138.34	3819186.55	8.12E-07	3.15E-06	4.17E-08	4.00E-06	6.76E-07	2.31E-06	2.99E-08	3.02E-06	7.67E-08	4.05E-07	7.11E-09	4.89E-07	6.97E-08	2.12E-07	2.15E-09	2.84E-07
55	470128.78	3819186.41	7.46E-07	2.89E-06	3.83E-08	3.68E-06	6.21E-07	2.13E-06	2.75E-08	2.77E-06	7.04E-08	3.72E-07	6.54E-09	4.49E-07	6.40E-08	1.95E-07	1.98E-09	2.61E-07
56	470119.22	3819186.28	6.75E-07	2.62E-06	3.47E-08	3.33E-06	5.62E-07	1.92E-06	2.49E-08	2.51E-06	6.38E-08	3.37E-07	5.92E-09	4.07E-07	5.80E-08	1.77E-07	1.79E-09	2.36E-07
57	470109.66	3819186.14	6.04E-07	2.34E-06	3.10E-08	2.98E-06	5.03E-07	1.72E-06	2.23E-08	2.25E-06	5.70E-08	3.02E-07	5.29E-09	3.64E-07	5.19E-08	1.58E-07	1.60E-09	2.11E-07
58	470315.56	3819193.02	4.67E-07	1.81E-06	2.40E-08	2.30E-06	3.89E-07	1.33E-06	1.72E-08	1.74E-06	4.41E-08	2.33E-07	4.09E-09	2.81E-07	4.01E-08	1.22E-07	1.24E-09	1.63E-07
59	470327.39	3819205.12	4.88E-07	1.89E-06	2.50E-08	2.40E-06	4.06E-07	1.39E-06	1.80E-08	1.81E-06	4.60E-08	2.43E-07	4.27E-09	2.94E-07	4.19E-08	1.27E-07	1.29E-09	1.71E-07
60	470330.81	3819213.61	5.29E-07	2.05E-06	2.72E-08	2.61E-06	4.40E-07	1.51E-06	1.95E-08	1.97E-06	4.99E-08	2.64E-07	4.63E-09	3.19E-07	4.54E-08	1.38E-07	1.40E-09	1.85E-07
61	470272.35	3819178.44	5.86E-07	2.27E-06	3.01E-08	2.89E-06	4.88E-07	1.67E-06	2.16E-08	2.18E-06	5.54E-08	2.93E-07	5.14E-09	3.53E-07	5.03E-08	1.53E-07	1.55E-09	2.05E-07
62	470262.79	3819178.31	6.35E-07	2.46E-06	3.26E-08	3.13E-06	5.29E-07	1.81E-06	2.34E-08	2.36E-06	6.00E-08	3.17E-07	5.57E-09	3.83E-07	5.45E-08	1.66E-07	1.68E-09	2.22E-07
63	470253.23	3819178.17	6.84E-07	2.65E-06	3.51E-08	3.37E-06	5.70E-07	1.95E-06	2.52E-08	2.54E-06	6.46E-08	3.41E-07	5.99E-09	4.12E-07	5.87E-08	1.79E-07	1.81E-09	2.39E-07
64	470243.67	3819178.04	7.28E-07	2.82E-06	3.74E-08	3.59E-06	6.07E-07	2.08E-06	2.69E-08	2.71E-06	6.88E-08	3.64E-07	6.38E-09	4.39E-07	6.25E-08	1.90E-07	1.93E-09	2.55E-07
65	470234.11	3819177.9	7.66E-07	2.97E-06	3.94E-08	3.78E-06	6.38E-07	2.18E-06	2.83E-08	2.85E-06	7.24E-08	3.83E-07	6.72E-09	4.62E-07	6.58E-08	2.00E-07	2.03E-09	2.68E-07
66	470224.54	3819177.77	7.97E-07	3.09E-06	4.10E-08	3.93E-06	6.64E-07	2.27E-06	2.94E-08	2.97E-06	7.53E-08	3.98E-07	6.99E-09	4.80E-07	6.85E-08	2.08E-07	2.11E-09	2.79E-07
67	470214.98	3819177.63	8.20E-07	3.18E-06	4.21E-08	4.04E-06	6.83E-07	2.34E-06	3.02E-08	3.05E-06	7.74E-08	4.09E-07	7.19E-09	4.94E-07	7.04E-08	2.14E-07	2.17E-09	2.87E-07
68	470205.42	3819177.5	8.35E-07	3.24E-06	4.29E-08	4.12E-06	6.95E-07	2.38E-06	3.08E-08	3.11E-06	7.88E-08	4.17E-07	7.32E-09	5.03E-07	7.17E-08	2.18E-07	2.21E-09	2.92E-07
69	470195.86	3819177.36	8.41E-07	3.26E-06	4.32E-08	4.15E-06	7.01E-07	2.40E-06	3.10E-08	3.13E-06	7.94E-08	4.20E-07	7.37E-09	5.07E-07	7.22E-08	2.20E-07	2.23E-09	2.94E-07
70	470186.29	3819177.23	8.40E-07	3.26E-06	4.31E-08	4.14E-06	6.99E-07	2.39E-06	3.10E-08	3.12E-06	7.93E-08	4.19E-07	7.36E-09	5.06E-07	7.21E-08	2.19E-07	2.23E-09	2.94E-07
71	470167.17	3819176.96	8.10E-07	3.14E-06	4.16E-08	3.99E-06	6.75E-07	2.31E-06	2.99E-08	3.01E-06	7.65E-08	4.04E-07	7.10E-09	4.88E-07	6.95E-08	2.12E-07	2.15E-09	2.83E-07
72	470157.61	3819176.82	7.81E-07	3.03E-06	4.01E-08	3.85E-06	6.51E-07	2.23E-06	2.88E-08	2.91E-06	7.38E-08	3.90E-07	6.84E-09	4.71E-07	6.71E-08	2.04E-07	2.07E-09	2.73E-07
73	470148.05	3819176.69	7.44E-07	2.89E-06	3.82E-08	3.67E-06	6.20E-07	2.12E-06	2.74E-08	2.77E-06	7.03E-08	3.71E-07	6.52E-09	4.48E-07	6.39E-08	1.95E-07	1.97E-09	2.60E-07
74	470138.48	3819176.55	7.00E-07	2.71E-06	3.59E-08	3.45E-06	5.83E-07	1.99E-06	2.58E-08	2.60E-06	6.61E-08	3.49E-07	6.13E-09	4.21E-07	6.01E-08	1.83E-07	1.85E-09	2.45E-07
75	470128.92	3819176.42	6.50E-07	2.52E-06	3.34E-08	3.20E-06	5.41E-07	1.85E-06	2.40E-08	2.42E-06	6.14E-08	3.24E-07	5.69E-09	3.91E-07	5.58E-08	1.70E-07	1.72E-09	2.27E-07
76	470119.36	3819176.28	5.96E-07	2.31E-06	3.06E-08	2.94E-06	4.96E-07	1.70E-06	2.20E-08	2.22E-06	5.63E-08	2.98E-07	5.22E-09	3.59E-07	5.12E-08	1.56E-07	1.58E-09	2.09E-07
77	470109.8	3819176.15	5.41E-07	2.10E-06	2.78E-08	2.67E-06	4.51E-07	1.54E-06	2.00E-08	2.01E-06	5.11E-08	2.70E-07	4.74E-09	3.26E-07	4.65E-08	1.41E-07	1.43E-09	1.89E-07
78	470322.95	3819186.13	3.97E-07	1.54E-06	2.04E-08	1.96E-06	3.31E-07	1.13E-06	1.46E-08	1.48E-06	3.75E-08	1.98E-07	3.48E-09	2.39E-07	3.41E-08	1.04E-07	1.05E-09	1.39E-07
79	470334.45	3819197.89	4.13E-07	1.60E-06	2.12E-08	2.04E-06	3.44E-07	1.18E-06	1.52E-08	1.54E-06	3.90E-08	2.06E-07	3.62E-09	2.49E-07	3.55E-08	1.08E-07	1.10E-09	1.45E-07
80	470341.1	3819214.4	4.80E-07	1.86E-06	2.47E-08	2.37E-06	4.00E-07	1.37E-06	1.77E-08	1.78E-06	4.53E-08	2.40E-07	4.20E-09	2.89E-07	4.12E-08	1.25E-07	1.27E-09	1.68E-07
81	470272.5	3819168.44	5.06E-07	1.96E-06	2.60E-08	2.49E-06	4.21E-07	1.44E-06	1.87E-08	1.88E-06	4.78E-08	2.53E-07	4.43E-09	3.05E-07	4.34E-08	1.32E-07	1.34E-09	1.77E-07
82	470262.93	3819168.31	5.47E-07	2.12E-06	2.81E-08	2.70E-06	4.55E-07	1.56E-06	2.02E-08	2.03E-06	5.16E-08	2.73E-07	4.79E-09	3.29E-07	4.69E-08	1.43E-07	1.45E-09	1.91E-07
83	470253.37	3819168.17	5.86E-07	2.27E-06	3.01E-08	2.89E-06	4.88E-07	1.67E-06	2.16E-08	2.18E-06	5.54E-08	2.93E-07	5.14E-09	3.53E-07	5.03E-08	1.53E-07	1.55E-09	2.05E-07
84	470243.81	3819168.04	6.23E-07	2.41E-06	3.20E-08	3.07E-06	5.19E-07	1.77E-06	2.30E-08	2.32E-06	5.88E-08	3.11E-07	5.46E-09	3.75E-07	5.34E-08	1.63E-07	1.65E-09	2.18E-07
85	470234.25	3819167.9	6.54E-07	2.54E-06	3.36E-08	3.23E-06	5.45E-07	1.86E-06	2.41E-08	2.43E-06	6.18E-08	3.27E-07	5.73E-09	3.94E-07	5.62E-08	1.71E-07	1.73E-09	2.29E-07
86	470224.68	3819167.77	6.81E-07	2.64E-06	3.50E-08	3.35E-06	5.67E-07	1.94E-06	2.51E-08	2.53E-06	6.43E-08	3.40E-07	5.96E-09	4.10E-07	5.84E-08	1.78E-07	1.80E-09	2.38E-07
87	470215.12	3819167.63	7.00E-07	2.72E-06	3.60E-08	3.45E-06	5.83E-07	2.00E-06	2.58E-08	2.61E-06	6.61E-08	3.50E-07	6.14E-09	4.22E-07	6.01E-08	1.83E-07	1.86E-09	2.45E-07
88	470205.56	3819167.5	7.14E-07	2.77E-06	3.67E-08	3.52E-06	5.95E-07	2.03E-06	2.63E-08	2.66E-06	6.74E-08	3.56E-07	6.26E-09	4.30E-07	6.13E-08	1.87E-07	1.89E-09	2.50E-07
89	470196	3819167.36	7.21E-07	2.80E-06	3.70E-08	3.55E-06	6.00E-07	2.05E-06	2.66E-08	2.68E-06	6.81E-08	3.60E-07	6.32E-09	4.34E-07	6.19E-08	1.88E-07	1.91E-09	2.52E-07
90	470186.44	3819167.23	7.21E-07	2.79E-06	3.70E-08	3.55E-06	6.00E-07	2.05E-06	2.66E-08	2.68E-06	6.80E-08	3.60E-07	6.31E-09	4.34E-07	6.19E-08	1.88E-07	1.91E-09	2.52E-07
91	470167.31	3819166.96	6.99E-07	2.71E-06	3.59E-08	3.44E-06	5.82E-07	1.99E-06	2.58E-08	2.60E-06	6.60E-08	3.49E-07	6.12E-09	4.21E-07	6.00E-08	1.83E-07	1.85E-09	2.44E-07
92	470157.75	3819166.82	6.75E-07	2.62E-06	3.47E-08	3.33E-06	5.63E-07	1.92E-06	2.49E-08	2.51E-06	6.38E-08	3.37E-07	5.92E-09	4.07E-07	5.80E-08	1.77E-07	1.79E-09	2.36E-07

93	470148.19	3819166.69	6.46E-07	2.50E-06	3.32E-08	3.18E-06	5.38E-07	1.84E-06	2.38E-08	2.40E-06	6.10E-08	3.22E-07	5.66E-09	3.89E-07	5.54E-08	1.69E-07	1.71E-09	2.26E-07
94	470138.62	3819166.55	6.11E-07	2.37E-06	3.14E-08	3.01E-06	5.09E-07	1.74E-06	2.25E-08	2.27E-06	5.77E-08	3.05E-07	5.35E-09	3.68E-07	5.24E-08	1.60E-07	1.62E-09	2.14E-07
95	470129.06	3819166.42	5.72E-07	2.22E-06	2.94E-08	2.82E-06	4.77E-07	1.63E-06	2.11E-08	2.13E-06	5.40E-08	2.86E-07	5.02E-09	3.45E-07	4.91E-08	1.50E-07	1.52E-09	2.00E-07
96	470119.5	3819166.28	5.31E-07	2.06E-06	2.73E-08	2.62E-06	4.42E-07	1.51E-06	1.96E-08	1.97E-06	5.01E-08	2.65E-07	4.65E-09	3.20E-07	4.55E-08	1.39E-07	1.41E-09	1.86E-07
97	470109.94	3819166.15	4.87E-07	1.89E-06	2.50E-08	2.40E-06	4.06E-07	1.39E-06	1.80E-08	1.81E-06	4.60E-08	2.43E-07	4.27E-09	2.94E-07	4.18E-08	1.27E-07	1.29E-09	1.71E-07
98	470322.25	3819175.77	3.53E-07	1.37E-06	1.81E-08	1.74E-06	2.94E-07	1.01E-06	1.30E-08	1.31E-06	3.33E-08	1.76E-07	3.09E-09	2.13E-07	3.03E-08	9.23E-08	9.36E-10	1.24E-07
99	470341.53	3819190.73	3.55E-07	1.38E-06	1.82E-08	1.75E-06	2.96E-07	1.01E-06	1.31E-08	1.32E-06	3.35E-08	1.77E-07	3.11E-09	2.14E-07	3.05E-08	9.28E-08	9.42E-10	1.24E-07
100	470348.04	3819206.91	4.08E-07	1.58E-06	2.10E-08	2.01E-06	3.40E-07	1.16E-06	1.50E-08	1.52E-06	3.85E-08	2.04E-07	3.58E-09	2.46E-07	3.50E-08	1.07E-07	1.08E-09	1.43E-07
101	470272.64	3819158.44	4.43E-07	1.72E-06	2.28E-08	2.19E-06	3.69E-07	1.26E-06	1.64E-08	1.65E-06	4.19E-08	2.21E-07	3.89E-09	2.67E-07	3.81E-08	1.16E-07	1.18E-09	1.55E-07
102	470263.07	3819158.31	4.77E-07	1.85E-06	2.45E-08	2.35E-06	3.97E-07	1.36E-06	1.76E-08	1.77E-06	4.51E-08	2.38E-07	4.18E-09	2.87E-07	4.10E-08	1.25E-07	1.26E-09	1.67E-07
103	470253.51	3819158.17	5.10E-07	1.98E-06	2.62E-08	2.51E-06	4.25E-07	1.45E-06	1.88E-08	1.90E-06	4.81E-08	2.54E-07	4.47E-09	3.07E-07	4.38E-08	1.33E-07	1.35E-09	1.78E-07
104	470243.95	3819158.04	5.40E-07	2.09E-06	2.77E-08	2.66E-06	4.50E-07	1.54E-06	1.99E-08	2.01E-06	5.10E-08	2.70E-07	4.73E-09	3.25E-07	4.63E-08	1.41E-07	1.43E-09	1.89E-07
105	470234.39	3819157.9	5.66E-07	2.20E-06	2.91E-08	2.79E-06	4.72E-07	1.61E-06	2.09E-08	2.11E-06	5.35E-08	2.83E-07	4.96E-09	3.41E-07	4.86E-08	1.48E-07	1.50E-09	1.98E-07
106	470224.83	3819157.77	5.88E-07	2.28E-06	3.02E-08	2.90E-06	4.90E-07	1.68E-06	2.17E-08	2.19E-06	5.56E-08	2.94E-07	5.16E-09	3.54E-07	5.05E-08	1.54E-07	1.56E-09	2.06E-07
107	470215.26	3819157.63	6.05E-07	2.35E-06	3.11E-08	2.98E-06	5.04E-07	1.72E-06	2.23E-08	2.25E-06	5.71E-08	3.02E-07	5.30E-09	3.65E-07	5.19E-08	1.58E-07	1.60E-09	2.12E-07
108	470205.7	3819157.5	6.17E-07	2.39E-06	3.17E-08	3.04E-06	5.14E-07	1.76E-06	2.27E-08	2.29E-06	5.82E-08	3.08E-07	5.40E-09	3.72E-07	5.29E-08	1.61E-07	1.63E-09	2.16E-07
109	470196.14	3819157.36	6.23E-07	2.42E-06	3.20E-08	3.07E-06	5.19E-07	1.78E-06	2.30E-08	2.32E-06	5.88E-08	3.11E-07	5.46E-09	3.75E-07	5.35E-08	1.63E-07	1.65E-09	2.18E-07
110	470186.58	3819157.23	6.24E-07	2.42E-06	3.21E-08	3.08E-06	5.20E-07	1.78E-06	2.30E-08	2.32E-06	5.89E-08	3.11E-07	5.47E-09	3.76E-07	5.36E-08	1.63E-07	1.65E-09	2.18E-07
111	470167.45	3819156.96	6.08E-07	2.36E-06	3.12E-08	3.00E-06	5.06E-07	1.73E-06	2.24E-08	2.26E-06	5.74E-08	3.04E-07	5.33E-09	3.66E-07	5.22E-08	1.59E-07	1.61E-09	2.13E-07
112	470157.89	3819156.82	5.90E-07	2.29E-06	3.03E-08	2.91E-06	4.92E-07	1.68E-06	2.18E-08	2.20E-06	5.57E-08	2.95E-07	5.17E-09	3.56E-07	5.07E-08	1.54E-07	1.56E-09	2.07E-07
113	470148.33	3819156.69	5.67E-07	2.20E-06	2.92E-08	2.80E-06	4.73E-07	1.62E-06	2.09E-08	2.11E-06	5.36E-08	2.83E-07	4.97E-09	3.42E-07	4.87E-08	1.48E-07	1.50E-09	1.99E-07
114	470138.77	3819156.55	5.40E-07	2.09E-06	2.77E-08	2.66E-06	4.50E-07	1.54E-06	1.99E-08	2.01E-06	5.10E-08	2.70E-07	4.73E-09	3.25E-07	4.63E-08	1.41E-07	1.43E-09	1.89E-07
115	470129.2	3819156.42	5.09E-07	1.98E-06	2.62E-08	2.51E-06	4.24E-07	1.45E-06	1.88E-08	1.89E-06	4.81E-08	2.54E-07	4.46E-09	3.07E-07	4.37E-08	1.33E-07	1.35E-09	1.78E-07
116	470119.64	3819156.28	4.76E-07	1.85E-06	2.45E-08	2.35E-06	3.96E-07	1.36E-06	1.76E-08	1.77E-06	4.49E-08	2.38E-07	4.17E-09	2.87E-07	4.09E-08	1.24E-07	1.26E-09	1.67E-07
117	470110.08	3819156.15	4.41E-07	1.71E-06	2.27E-08	2.17E-06	3.67E-07	1.26E-06	1.63E-08	1.64E-06	4.17E-08	2.20E-07	3.87E-09	2.66E-07	3.79E-08	1.15E-07	1.17E-09	1.54E-07
118	470321.77	3819165.5	3.16E-07	1.23E-06	1.62E-08	1.56E-06	2.63E-07	9.01E-07	1.17E-08	1.18E-06	2.99E-08	1.58E-07	2.77E-09	1.91E-07	2.71E-08	8.27E-08	8.38E-10	1.11E-07
119	470337.54	3819172.27	2.98E-07	1.15E-06	1.53E-08	1.47E-06	2.48E-07	8.48E-07	1.10E-08	1.11E-06	2.81E-08	1.49E-07	2.61E-09	1.79E-07	2.56E-08	7.78E-08	7.89E-10	1.04E-07
120	470348.63	3819183.62	3.08E-07	1.20E-06	1.58E-08	1.52E-06	2.57E-07	8.79E-07	1.14E-08	1.15E-06	2.91E-08	1.54E-07	2.70E-09	1.86E-07	2.65E-08	8.06E-08	8.17E-10	1.08E-07
121	470355.04	3819199.54	3.51E-07	1.36E-06	1.80E-08	1.73E-06	2.92E-07	1.00E-06	1.30E-08	1.31E-06	3.32E-08	1.75E-07	3.08E-09	2.12E-07	3.01E-08	9.18E-08	9.31E-10	1.23E-07
122	470361.45	3819215.46	4.00E-07	1.55E-06	2.06E-08	1.97E-06	3.33E-07	1.14E-06	1.48E-08	1.49E-06	3.78E-08	2.00E-07	3.51E-09	2.41E-07	3.43E-08	1.05E-07	1.06E-09	1.40E-07
123	470272.78	3819148.44	3.93E-07	1.52E-06	2.02E-08	1.94E-06	3.27E-07	1.12E-06	1.45E-08	1.46E-06	3.71E-08	1.96E-07	3.44E-09	2.37E-07	3.37E-08	1.03E-07	1.04E-09	1.37E-07
124	470263.22	3819148.31	4.21E-07	1.63E-06	2.16E-08	2.08E-06	3.51E-07	1.20E-06	1.55E-08	1.57E-06	3.98E-08	2.10E-07	3.69E-09	2.54E-07	3.61E-08	1.10E-07	1.12E-09	1.47E-07
125	470253.65	3819148.17	4.48E-07	1.74E-06	2.30E-08	2.21E-06	3.73E-07	1.28E-06	1.65E-08	1.67E-06	4.23E-08	2.24E-07	3.93E-09	2.70E-07	3.85E-08	1.17E-07	1.19E-09	1.57E-07
126	470244.09	3819148.04	4.74E-07	1.84E-06	2.43E-08	2.33E-06	3.94E-07	1.35E-06	1.75E-08	1.76E-06	4.47E-08	2.36E-07	4.15E-09	2.85E-07	4.07E-08	1.24E-07	1.26E-09	1.66E-07
127	470234.53	3819147.9	4.96E-07	1.92E-06	2.55E-08	2.45E-06	4.13E-07	1.41E-06	1.83E-08	1.85E-06	4.68E-08	2.48E-07	4.35E-09	2.99E-07	4.26E-08	1.30E-07	1.32E-09	1.74E-07
128	470224.97	3819147.77	5.15E-07	2.00E-06	2.64E-08	2.54E-06	4.29E-07	1.47E-06	1.90E-08	1.91E-06	4.86E-08	2.57E-07	4.51E-09	3.10E-07	4.42E-08	1.35E-07	1.36E-09	1.80E-07
129	470215.4	3819147.63	5.29E-07	2.05E-06	2.72E-08	2.61E-06	4.40E-07	1.51E-06	1.95E-08	1.97E-06	4.99E-08	2.64E-07	4.63E-09	3.18E-07	4.54E-08	1.38E-07	1.40E-09	1.85E-07
130	470205.84	3819147.5	5.38E-07	2.09E-06	2.77E-08	2.65E-06	4.48E-07	1.53E-06	1.99E-08	2.00E-06	5.08E-08	2.69E-07	4.72E-09	3.24E-07	4.62E-08	1.41E-07	1.43E-09	1.88E-07
131	470196.28	3819147.36	5.44E-07	2.11E-06	2.80E-08	2.68E-06	4.53E-07	1.55E-06	2.01E-08	2.02E-06	5.14E-08	2.72E-07	4.77E-09	3.28E-07	4.67E-08	1.42E-07	1.44E-09	1.90E-07
132	470186.72	3819147.23	5.46E-07	2.12E-06	2.80E-08	2.69E-06	4.54E-07	1.55E-06	2.01E-08	2.03E-06	5.15E-08	2.72E-07	4.78E-09	3.29E-07	4.68E-08	1.43E-07	1.45E-09	1.91E-07
133	470158.03	3819146.82	5.21E-07	2.02E-06	2.68E-08	2.57E-06	4.34E-07	1.48E-06	1.92E-08	1.94E-06	4.92E-08	2.60E-07	4.56E-09	3.14E-07	4.47E-08	1.36E-07	1.38E-09	1.82E-07
134	470148.47	3819146.69	5.03E-07	1.95E-06	2.58E-08	2.48E-06	4.19E-07	1.43E-06	1.85E-08	1.87E-06	4.75E-08	2.51E-07	4.41E-09	3.03E-07	4.32E-08	1.31E-07	1.33E-09	1.76E-07
135	470138.91	3819146.55	4.81E-07	1.87E-06	2.47E-08	2.37E-06	4.01E-07	1.37E-06	1.77E-08	1.79E-06	4.54E-08	2.40E-07	4.22E-09	2.90E-07	4.13E-08	1.26E-07	1.28E-09	1.68E-07
136	470129.34	3819146.42	4.57E-07	1.77E-06	2.35E-08	2.25E-06	3.80E-07	1.30E-06	1.68E-08	1.70E-06	4.31E-08	2.28E-07	4.00E-09	2.75E-07	3.92E-08	1.19E-07	1.21E-09	1.60E-07
137	470119.78	3819146.28	4.29E-07	1.67E-06	2.21E-08	2.12E-06	3.58E-07	1.22E-06	1.58E-08	1.60E-06	4.06E-08	2.14E-07	3.76E-09	2.59E-07	3.69E-08	1.12E-07	1.14E-09	1.50E-07
138	470110.22	3819146.15	4.01E-07	1.56E-06	2.06E-08	1.98E-06	3.34E-07	1.14E-06	1.48E-08	1.49E-06	3.79E-08	2.00E-07	3.51E-09	2.42E-07	3.44E-08	1.05E-07	1.06E-09	1.40E-07
139	470317.53	3819153.62	2.90E-07	1.12E-06	1.49E-08	1.43E-06	2.41E-07	8.26E-07	1.07E-08	1.08E-06	2.74E-08	1.45E-07	2.54E-09	1.75E-07	2.49E-08	7.58E-08	7.68E-10	1.01E-07
140	470326.29	3819157.38	2.80E-07	1.09E-06	1.44E-08	1.38E-06	2.33E-07	7.97E-07	1.03E-08	1.04E-06	2.64E-08	1.40E-07	2.45E-09	1.69E-07	2.40E-08	7.31E-08	7.42E-10	9.79E-08
141	470335.05	3819161.14	2.70E-07	1.05E-06	1.39E-08	1.33E-06	2.25E-07	7.71E-07	9.98E-09	1.01E-06	2.55E-08	1.35E-07	2.37E-09	1.63E-07	2.32E-08	7.07E-08	7.17E-10	9.47E-08
142	470343.82	3819164.91	2.62E-07	1.02E-06	1.35E-08	1.29E-06	2.18E-07	7.47E-07	9.67E-09	9.75E-07	2.48E-08	1.31E-07	2.30E-09	1.58E-07	2.25E-08	6.85E-08	6.95E-10	9.17E-08
143	470356.14	3819177.51	2.72E-07	1.06E-06	1.40E-08	1.34E-06	2.27E-07	7.75E-07	1.00E-08	1.01E-06	2.57E-08	1.36E-07	2.38E-09	1.64E-07	2.34E-08	7.11E-08	7.21E-10	9.52E-08
144	470359.7	3819186.36	2.91E-07	1.13E-06	1.50E-08	1.44E-06	2.43E-07	8.30E-07	1.07E-08	1.08E-06	2.75E-08	1.45E-07	2.55E-09	1.76E-07	2.50E-08	7.62E-08	7.72E-10	1.02E-07
145	470363.26	3819195.2	3.13E-07	1.21E-06	1.61E-08	1.54E-06	2.60E-07	8.91E-07	1.15E-08	1.16E-06	2.95E-08	1.56E-07	2.74E-09	1.88E-07	2.68E-08	8.17E-08	8.28E-10	1.09E-07
146	470366.82	3819204.05	3.35E-07	1.30E-06	1.72E-08	1.65E-06	2.79E-07	9.56E-07	1.24E-08	1.25E-06	3.17E-08	1.67E-07	2.94E-09	2.02E-07	2.88E-08	8.77E-08	8.89E-10	1.17E-07
147	470370.38	3819212.89	3.59E-07	1.39E-06	1.85E-08	1.77E-06	2.99E-07	1.02E-06	1.33E-08	1.34E-06	3.39E-08	1.79E-07	3.15E-09	2.17E-07	3.09E-08	9.40E-08	9.53E-10	1.26E-07
148	470272.92	3819138.44	3.51E-07	1.36E-06	1.80E-08	1.73E-06	2.93E-07	1.00E-06	1.30E-08	1.31E-06	3.32E-08	1.75E-07	3.08E-09	2.12E-07	3.02E-08	9.18E-08	9.31E-10	1.23E-07
149	470263.36	3819138.31	3.75E-07	1.45E-06	1.93E-08	1.85E-06	3.12E-07	1.07E-06	1.38E-08	1.39E-06	3.54E-08	1.87E-07	3.29E-09	2.26E-07	3.22E-08	9.80E-08	9.94E-10	1.31E-07
150	470253.79	3819138.17	3.98E-07	1.54E-06	2.05E-08	1.96E-06	3.32E-07	1.13E-06	1.47E-08	1.48E-06	3.76E-08	1.99E-07	3.49E-09	2.40E-07	3.42E-08	1.04E-07	1.06E-09	1.39E-07
151	470244.23	3819138.04	4.19E-07	1.63E-06	2.16E-08	2.07E-06	3.49E-07	1.20E-06	1.55E-08	1.56E-06	3.96E-08	2.09E-07	3.68E-09	2.53E-07	3.60E-08	1.10E-07	1.11E-09	1.47E-07
152	470234.67	3819137.9	4.39E-07	1.70E-06	2.25E-08	2.16E-06	3.65E-07	1.25E-06	1.62E-08	1.63E-06	4.14E-08	2.19E-07	3.84E-09	2.64E-07	3.77E-08	1.15E-07	1.16E-09	1.54E-07
153	470225.11	3819137.77	4.54E-07	1.76E-06	2.33E-08	2.24E-06	3.78E-07	1.29E-06	1.68E-08	1.69E-06	4.29E-08	2.27E-07	3.98E-09	2.74E-07	3.90E-08	1.19E-07	1.20E-09	1.59E-07
154	470215.55	3819137.63	4.66E-07	1.81E-06	2.39E-08	2.30E-06	3.88E-07	1.33E-06	1.72E-08	1.73E-06	4.40E-08	2.33E-07	4.08E-09	2.81E-07	4.00E-08	1.22E-07	1.24E-09	1.63E-07
155	470205.98	3819137.5	4.74E-07	1.84E-06	2.44E-08	2.34E-06	3.95E-07	1.35E-06	1.75E-08	1.76E-06	4.48E-08	2.37E-07	4.16E-09	2.86E-07	4.07E-08	1.24E-07	1.26E-09	1.66E-07
156	470196.42	3819137.36	4.79E-07	1.86E-06	2.46E-08	2.36E-06	3.99E-07	1.37E-06	1.77E-08	1.78E-06	4.53E-08	2.39E-07	4.20E-09	2.89E-07	4.12E-08	1.25E-07	1.27E-09	1.68E-07
157	470186.86	3819137.23	4.81E-07	1.87E-06	2.47E-08	2.37E-06	4.01E-07	1.37E-06	1.78E-08	1.79E-06	4.55E-08	2.40E-07	4.22E-09	2.90E-07	4.13E-08	1.26E-07	1.28E-09	1.68E-07
158	470158.17	3819136.82	4.63E-07	1.80E-06	2.38E-08	2.28E-06	3.86E-07	1.32E-06	1.71E-08	1.72E-06	4.37E-08	2.31E-07	4.06E-09	2.79E-07	3.97E-08	1.21E-07	1.23E-09	1.62E-07
159	470148.61	3819136.69	4.49E-07	1.74E-06	2.31E-08	2.21E-06	3.74E-07	1.28E-06	1.66E-08	1.67E-06	4.24E-08	2.24E-07	3.93E-09	2.70E-07	3.85E-08	1.17E-07	1.19E-09	1.57E-07
160	470139.05	3819136.55	4.32E-07	1.67E-06	2.22E-08	2.13E-06	3.59E-07	1.23E-06	1.59E-08	1.61E-06	4.08E-08	2.15E-07	3.78E-09	2.60E-07	3.71E-08	1.13E-07	1.14E-09	1.51E-07
161	470129.49	3819136.42	4.12E-07	1.60E-06	2.11E-08	2.03E-06	3.43E-07	1.17E-06	1.52E-08	1.53E-06	3.89E-08	2.05E-07	3.61E-09	2.48E-07	3.53E-08	1.08E-07	1.09E-09	1.44E-07
162	470119.92	3819136.28	3.89E-07	1.51E-06	2.00E-08	1.92E-06	3.24E-07	1.11E-06	1.44E-08	1.45E-06	3.68E-08	1.94E-07	3.41E-09	2.35E-07	3.34E-08	1.02E-07	1.03E-09	1.36E-07
163	470110.36	3819136.15	3.66E-07	1.42E-06	1.88E-08	1.80E-06	3.05E-07	1.04E-06	1.35E-08	1.36E-06	3.46E-08	1.83E-07	3.21E-09	2.20E-07	3.14E-08	9.57E-08	9.70E-10	1.28E-07
164	470316.41	3819133.02	2.41E-07	9.34E-07	1.24E-08	1.19E-06	2.01E-07	6.86E-07	8.88E-09	8.95E-07	2.27E-08	1.20E-07	2.11E-09	1.45E-07	2.07E-08	6.29E-08	6.38E-10	8.42E-08
165	470324.82	3819136.63	2.33E-07	9.03E-07	1.20E-08	1.15E-06	1.94E-07	6.64E-07	8.59E-09	8.66E-07	2.20E-08	1.16E-07	2.04E-09	1.40E-07	2.00E-08	6.09E-08	6.17E-10	8.15E-08
166	470333.23	3819140.24	2.25E-07	8.74E-07	1.16E-08	1.11E-06	1.88E-07	6.42E-07	8.31E-09	8.38E-07	2.13E-08	1.13E-07	1.97E-09	1.36E-07	1.93E-08	5.89E-08	5.97E-10	7.89E-08
167	470341.65	3819143.85	2.18E-07	8.47E-07	1.12E-08	1.08E-06	1.82E-07	6.22E-07	8.05E-09	8.12E-07	2.06E-08	1.09E-07	1.91E-09	1.32E-07	1.87E-08	5.71E-08	5.79E-10	7.64E-08
168	470350.06	3819147.46	2.12E-07	8.22E-07	1.09E-08	1.05E-06	1.77E-07	6.04E-07	7.82E-09	7.89E-07	2.00E-08	1.06E-07	1.86E-09	1.28E-07	1.82E-08	5.54E-08	5.62E-10	7.42E-08
169	470358.47	3819151.07	2.06E-07	8.01E-07	1.06E-08	1.02E-06	1.72E-07	5.88E-07	7.61E-09	7.68E-07	1.95E-08	1.03E-07	1.81E-09	1.24E-07	1.77E-08	5.40E-08	5.47E-10	7.22E-08
170	470370.3	3819163.18	2.13E-07	8.27E-07	1.10E-08	1.05E-06	1.78E-07	6.08E-07	7.86E-09	7.93E-07	2.01E-08	1.06E-07	1.87E-09	1.28E-07	1.83E-08	5.57E-08	5.65E-10	7.46E-08
171	470373.72	3819171.67	2.26E-07	8.78E-07	1.16E-08	1.12E-06	1.88E-07	6.45E-07	8.35E-09	8.42E-07	2.14E-08	1.13E-07	1.98E-09	1.36E-07	1.94E-08	5.92E-08	6.00E-10	7.92E-08
172	470377.14	3819180.16	2.41E-07	9.33E-07	1.24E-08	1.19E-06	2.00E-07	6.86E-07	8.88E-09	8.95E-07	2.27E-08	1.20E-07	2.11E-09	1.45E-07	2.07E-08	6.29E-08	6.38E-10	8.42E-08
173	470380.55	3819188.65	2.56E-07	9.94E-07	1.32E-08	1.26E-06	2.14E-07	7.31E-07	9.45E-09	9.54E-07	2.42E-08	1.28E-07	2.25E-09	1.54E-07	2.20E-08	6.70E-08	6.80E-10	8.97E-08
174	470383.97	3819197.14	2.73E-07	1.06E-06	1.40E-08	1.35E-06	2.28E-07	7.78E-07	1.01E-08	1.02E-06	2.58E-08	1.36E-07	2.39E-09	1.65E-07	2.34E-08	7.14E-08	7.24E-10	9.56E-08
175	470387.39	3819205.63	2.91E-07	1.13E-06	1.49E-08	1.43E-06	2.42E-07	8.29E-07	1.07E-08	1.08E-06	2.75E-08	1.45E-07	2.55E-09	1.75E-07	2.50E-08	7.60E-08	7.71E-10	1.02E-07
176	470273.2	3819118.45	2.87E-07	1.11E-06	1.47E-08	1.41E-06	2.39E-07	8.17E-07	1.06E-08	1.07E-06	2.71E-08	1.43E-07	2.51E-09	1.73E-07	2.46E-08	7.49E-08	7.60E-10	1.00E-07
177	470263.64	3819118.31	3.04E-07	1.18E-06	1.56E-08	1.50E-06	2.53E-07	8.67E-07	1.12E-08	1.13E-06	2.87E-08	1.52E-07	2.67E-09	1.83E-07	2.61E-08	7.95E-08	8.06E-10	1.06E-07
178	470254.08	3819118.18	3.21E-07	1.25E-06	1.65E-08	1.58E-06	2.67E-07	9.15E-07	1.18E-08	1.19E-06	3.03E-08	1.60E-07	2.81E-09	1.93E-07	2.76E-08	8.39E-08	8.51E-10	1.12E-07
179	470244.52	3819118.04	3.37E-07	1.31E-06	1.73E-08	1.66E-06	2.81E-07	9.60E-07	1.24E-08	1.25E-06	3.18E-08	1.68E-07	2.95E-09	2.03E-07	2.89E-08	8.81E-08	8.93E-10	1.18E-07
180	470234.95	3819117.91	3.51E-07	1.36E-06	1.80E-08	1.73E-06	2.93E-07	1.00E-06	1.30E-08	1.31E-06	3.32E-08	1.75E-07	3.08E-09	2.12E-07	3.01E-08	9.18E-08	9.31E-10	1.23E-07
181	470225.39	3819117.77	3.63E-07	1.41E-06	1.86E-08	1.79E-06	3.02E-07	1.03E-06	1.34E-08	1.35E-06	3.43E-08	1.81E-07	3.18E-09	2.19E-07	3.12E-08	9.49E-08	9.62E-10	1.27E-07
182	470215.83	3819117.64	3.72E-07	1.44E-06	1.91E-08	1.83E-06	3.10E-07	1.06E-06	1.37E-08	1.38E-06	3.51E-08	1.86E-07	3.26E-09	2.24E-07	3.19E-08	9.72E-08	9.86E-10	1.30E-07
183	470206.27	3819117.5	3.79E-07	1.47E-06	1.95E-08	1.87E-06	3.15E-07	1.08E-06	1.40E-08	1.41E-06	3.57E-08	1.89E-07	3.32E-09	2.28E-07	3.25E-08	9.90E-08	1.00E-09	1.32E-07
184	470196.7	3819117.37	3.83E-07	1.48E-06	1.97E-08	1.89E-06	3.19E-07	1.09E-06	1.41E-08	1.42E-06	3.62E-08	1.91E-07	3.36E-09	2.31E-07	3.29E-08	1.00E-07	1.01E-09	1.34E-07
185	470187.14	3819117.23	3.85E-07	1.49E-06	1.98E-08	1.90E-06	3.21E-07	1.10E-06	1.42E-08	1.43E-06	3.64E-08	1.92E-07	3.37E-09	2.32E-07	3.30E-08	1.01E-07	1.02E-09	1.35E-07
186	470158.46	3819116.83	3.74E-07	1.45E-06	1.92E-08	1.84E-06	3.11E-07	1.07E-06	1.38E-08	1.39E-06	3.53E-08	1.87E-07	3.28E-09	2.25E-07	3.21E-08	9.77E-08	9.91E-10	1.31E-07
187	470148.89	3819116.69	3.65E-07	1.41E-06	1.87E-08	1.80E-06	3.04E-07	1.04E-06	1.34E-08	1.36E-06	3.44E-08	1.82E-07	3.20E-09	2.20E-07	3.13E-08	9.53E-08	9.67E-10	1.28E-07
188	470139.33	3819116.56	3.53E-07	1.37E-06	1.81E-08	1.74E-06	2.94E-07	1.01E-06	1.30E-08	1.31E-06	3.33E-08	1.76E-07	3.09E-09	2.13E-07	3.03E-08	9.23E-08	9.36E-10	1.24E-07

189	470129.77	3819116.42	3.39E-07	1.32E-06	1.74E-08	1.67E-06	2.83E-07	9.67E-07	1.25E-08	1.26E-06	3.21E-08	1.69E-07	2.97E-09	2.05E-07	2.91E-08	8.87E-08	9.00E-10	1.19E-07
190	470120.21	3819116.29	3.24E-07	1.26E-06	1.67E-08	1.60E-06	2.70E-07	9.24E-07	1.20E-08	1.21E-06	3.06E-08	1.62E-07	2.84E-09	1.95E-07	2.78E-08	8.48E-08	8.60E-10	1.13E-07
191	470110.64	3819116.15	3.08E-07	1.19E-06	1.58E-08	1.52E-06	2.56E-07	8.77E-07	1.14E-08	1.14E-06	2.91E-08	1.54E-07	2.70E-09	1.85E-07	2.64E-08	8.05E-08	8.16E-10	1.08E-07
192	470323.94	3819116.13	1.97E-07	7.65E-07	1.01E-08	9.72E-07	1.64E-07	5.62E-07	7.27E-09	7.33E-07	1.86E-08	9.84E-08	1.73E-09	1.19E-07	1.69E-08	5.15E-08	5.23E-10	6.90E-08
193	470340.29	3819123.15	1.86E-07	7.20E-07	9.53E-09	9.15E-07	1.55E-07	5.29E-07	6.84E-09	6.90E-07	1.75E-08	9.26E-08	1.63E-09	1.12E-07	1.59E-08	4.85E-08	4.92E-10	6.49E-08
194	470356.65	3819130.17	1.75E-07	6.79E-07	8.99E-09	8.63E-07	1.46E-07	4.99E-07	6.46E-09	6.51E-07	1.65E-08	8.74E-08	1.53E-09	1.05E-07	1.50E-08	4.58E-08	4.64E-10	6.13E-08
195	470373	3819137.19	1.66E-07	6.46E-07	8.55E-09	8.21E-07	1.39E-07	4.74E-07	6.14E-09	6.19E-07	1.57E-08	8.31E-08	1.46E-09	1.00E-07	1.43E-08	4.35E-08	4.41E-10	5.82E-08
196	470384.51	3819148.96	1.71E-07	6.65E-07	8.80E-09	8.45E-07	1.43E-07	4.88E-07	6.32E-09	6.37E-07	1.62E-08	8.55E-08	1.50E-09	1.03E-07	1.47E-08	4.48E-08	4.54E-10	6.00E-08
197	470391.15	3819165.47	1.91E-07	7.40E-07	9.81E-09	9.41E-07	1.59E-07	5.44E-07	7.04E-09	7.10E-07	1.80E-08	9.53E-08	1.67E-09	1.15E-07	1.64E-08	4.99E-08	5.06E-10	6.68E-08
198	470397.8	3819181.98	2.14E-07	8.31E-07	1.10E-08	1.06E-06	1.78E-07	6.10E-07	7.90E-09	7.97E-07	2.02E-08	1.07E-07	1.88E-09	1.29E-07	1.84E-08	5.60E-08	5.68E-10	7.49E-08
199	470404.45	3819198.49	2.41E-07	9.33E-07	1.24E-08	1.19E-06	2.00E-07	6.86E-07	8.87E-09	8.95E-07	2.27E-08	1.20E-07	2.11E-09	1.45E-07	2.07E-08	6.29E-08	6.38E-10	8.42E-08
200	470411.09	3819215	2.69E-07	1.04E-06	1.38E-08	1.33E-06	2.24E-07	7.67E-07	9.93E-09	1.00E-06	2.54E-08	1.34E-07	2.36E-09	1.62E-07	2.31E-08	7.04E-08	7.14E-10	9.42E-08
201	470273.48	3819098.45	2.39E-07	9.27E-07	1.23E-08	1.18E-06	1.99E-07	6.82E-07	8.82E-09	8.90E-07	2.26E-08	1.19E-07	2.10E-09	1.44E-07	2.05E-08	6.25E-08	6.34E-10	8.37E-08
202	470263.92	3819098.31	2.52E-07	9.79E-07	1.30E-08	1.24E-06	2.10E-07	7.19E-07	9.31E-09	9.39E-07	2.38E-08	1.26E-07	2.21E-09	1.52E-07	2.17E-08	6.60E-08	6.69E-10	8.83E-08
203	470254.36	3819098.18	2.65E-07	1.03E-06	1.36E-08	1.31E-06	2.21E-07	7.55E-07	9.78E-09	9.86E-07	2.50E-08	1.32E-07	2.32E-09	1.60E-07	2.28E-08	6.93E-08	7.03E-10	9.27E-08
204	470244.8	3819098.04	2.77E-07	1.07E-06	1.42E-08	1.36E-06	2.31E-07	7.89E-07	1.02E-08	1.03E-06	2.61E-08	1.38E-07	2.43E-09	1.67E-07	2.38E-08	7.24E-08	7.34E-10	9.69E-08
205	470235.24	3819097.91	2.87E-07	1.11E-06	1.48E-08	1.42E-06	2.39E-07	8.19E-07	1.06E-08	1.07E-06	2.71E-08	1.44E-07	2.52E-09	1.73E-07	2.47E-08	7.51E-08	7.62E-10	1.01E-07
206	470225.67	3819097.77	2.96E-07	1.15E-06	1.52E-08	1.46E-06	2.47E-07	8.45E-07	1.09E-08	1.10E-06	2.80E-08	1.48E-07	2.60E-09	1.79E-07	2.55E-08	7.75E-08	7.86E-10	1.04E-07
207	470216.11	3819097.64	3.04E-07	1.18E-06	1.56E-08	1.50E-06	2.53E-07	8.66E-07	1.12E-08	1.13E-06	2.87E-08	1.52E-07	2.66E-09	1.83E-07	2.61E-08	7.94E-08	8.05E-10	1.06E-07
208	470206.55	3819097.5	3.09E-07	1.20E-06	1.59E-08	1.52E-06	2.58E-07	8.81E-07	1.14E-08	1.15E-06	2.92E-08	1.54E-07	2.71E-09	1.86E-07	2.65E-08	8.09E-08	8.20E-10	1.08E-07
209	470196.99	3819097.37	3.13E-07	1.21E-06	1.61E-08	1.54E-06	2.61E-07	8.92E-07	1.15E-08	1.16E-06	2.96E-08	1.56E-07	2.74E-09	1.89E-07	2.69E-08	8.18E-08	8.30E-10	1.10E-07
210	470187.42	3819097.23	3.15E-07	1.22E-06	1.62E-08	1.55E-06	2.62E-07	8.98E-07	1.16E-08	1.17E-06	2.97E-08	1.57E-07	2.76E-09	1.90E-07	2.70E-08	8.23E-08	8.35E-10	1.10E-07
211	470158.74	3819096.83	3.08E-07	1.20E-06	1.58E-08	1.52E-06	2.57E-07	8.79E-07	1.14E-08	1.15E-06	2.91E-08	1.54E-07	2.70E-09	1.86E-07	2.65E-08	8.06E-08	8.18E-10	1.08E-07
212	470149.18	3819096.69	3.02E-07	1.17E-06	1.55E-08	1.49E-06	2.52E-07	8.61E-07	1.11E-08	1.12E-06	2.85E-08	1.51E-07	2.65E-09	1.82E-07	2.59E-08	7.90E-08	8.01E-10	1.06E-07
213	470139.61	3819096.56	2.94E-07	1.14E-06	1.51E-08	1.45E-06	2.45E-07	8.38E-07	1.08E-08	1.09E-06	2.78E-08	1.47E-07	2.58E-09	1.77E-07	2.53E-08	7.69E-08	7.80E-10	1.03E-07
214	470130.05	3819096.42	2.84E-07	1.10E-06	1.46E-08	1.40E-06	2.37E-07	8.10E-07	1.05E-08	1.06E-06	2.69E-08	1.42E-07	2.49E-09	1.71E-07	2.44E-08	7.43E-08	7.54E-10	9.95E-08
215	470120.49	3819096.29	2.73E-07	1.06E-06	1.40E-08	1.35E-06	2.28E-07	7.79E-07	1.01E-08	1.02E-06	2.58E-08	1.36E-07	2.40E-09	1.65E-07	2.35E-08	7.15E-08	7.25E-10	9.57E-08
216	470110.93	3819096.15	2.61E-07	1.01E-06	1.34E-08	1.29E-06	2.18E-07	7.45E-07	9.64E-09	9.72E-07	2.47E-08	1.31E-07	2.29E-09	1.57E-07	2.24E-08	6.83E-08	6.93E-10	9.15E-08
217	470317.84	3819093.4	1.72E-07	6.67E-07	8.84E-09	8.48E-07	1.43E-07	4.90E-07	6.34E-09	6.40E-07	1.62E-08	8.59E-08	1.51E-09	1.04E-07	1.48E-08	4.50E-08	4.56E-10	6.02E-08
218	470326.47	3819097.1	1.67E-07	6.48E-07	8.59E-09	8.24E-07	1.39E-07	4.76E-07	6.17E-09	6.22E-07	1.58E-08	8.35E-08	1.47E-09	1.01E-07	1.44E-08	4.37E-08	4.43E-10	5.85E-08
219	470335.09	3819100.8	1.63E-07	6.32E-07	8.37E-09	8.03E-07	1.36E-07	4.64E-07	6.01E-09	6.06E-07	1.54E-08	8.13E-08	1.43E-09	9.81E-08	1.40E-08	4.26E-08	4.32E-10	5.70E-08
220	470343.72	3819104.51	1.58E-07	6.12E-07	8.10E-09	7.77E-07	1.31E-07	4.49E-07	5.82E-09	5.87E-07	1.49E-08	7.87E-08	1.38E-09	9.50E-08	1.35E-08	4.12E-08	4.18E-10	5.52E-08
221	470352.35	3819108.21	1.53E-07	5.93E-07	7.85E-09	7.53E-07	1.27E-07	4.35E-07	5.63E-09	5.68E-07	1.44E-08	7.63E-08	1.34E-09	9.20E-08	1.31E-08	3.99E-08	4.05E-10	5.35E-08
222	470360.97	3819111.91	1.48E-07	5.75E-07	7.62E-09	7.31E-07	1.23E-07	4.22E-07	5.47E-09	5.51E-07	1.40E-08	7.40E-08	1.30E-09	8.93E-08	1.27E-08	3.88E-08	3.93E-10	5.19E-08
223	470369.6	3819115.62	1.44E-07	5.59E-07	7.41E-09	7.11E-07	1.20E-07	4.11E-07	5.32E-09	5.36E-07	1.36E-08	7.20E-08	1.26E-09	8.68E-08	1.24E-08	3.77E-08	3.82E-10	5.04E-08
224	470378.23	3819119.32	1.40E-07	5.45E-07	7.21E-09	6.92E-07	1.17E-07	4.00E-07	5.18E-09	5.22E-07	1.33E-08	7.01E-08	1.23E-09	8.46E-08	1.21E-08	3.67E-08	3.72E-10	4.91E-08
225	470386.86	3819123.02	1.37E-07	5.32E-07	7.05E-09	6.76E-07	1.14E-07	3.91E-07	5.06E-09	5.10E-07	1.30E-08	6.85E-08	1.20E-09	8.27E-08	1.18E-08	3.59E-08	3.64E-10	4.80E-08
226	470398.99	3819135.43	1.41E-07	5.47E-07	7.25E-09	6.95E-07	1.17E-07	4.02E-07	5.20E-09	5.25E-07	1.33E-08	7.04E-08	1.24E-09	8.50E-08	1.21E-08	3.69E-08	3.74E-10	4.94E-08
227	470402.5	3819144.14	1.48E-07	5.76E-07	7.63E-09	7.32E-07	1.24E-07	4.23E-07	5.48E-09	5.52E-07	1.40E-08	7.41E-08	1.30E-09	8.95E-08	1.27E-08	3.88E-08	3.94E-10	5.20E-08
228	470406	3819152.85	1.57E-07	6.08E-07	8.05E-09	7.73E-07	1.31E-07	4.47E-07	5.78E-09	5.83E-07	1.48E-08	7.83E-08	1.37E-09	9.44E-08	1.35E-08	4.10E-08	4.15E-10	5.48E-08
229	470409.51	3819161.56	1.66E-07	6.43E-07	8.52E-09	8.17E-07	1.38E-07	4.72E-07	6.11E-09	6.17E-07	1.57E-08	8.28E-08	1.45E-09	9.99E-08	1.42E-08	4.33E-08	4.40E-10	5.80E-08
230	470413.01	3819170.27	1.76E-07	6.81E-07	9.03E-09	8.66E-07	1.46E-07	5.01E-07	6.48E-09	6.53E-07	1.66E-08	8.77E-08	1.54E-09	1.06E-07	1.51E-08	4.59E-08	4.66E-10	6.15E-08
231	470416.52	3819178.98	1.86E-07	7.23E-07	9.57E-09	9.19E-07	1.55E-07	5.31E-07	6.87E-09	6.93E-07	1.76E-08	9.30E-08	1.63E-09	1.12E-07	1.60E-08	4.87E-08	4.94E-10	6.52E-08
232	470420.03	3819187.69	1.98E-07	7.67E-07	1.02E-08	9.74E-07	1.65E-07	5.63E-07	7.29E-09	7.35E-07	1.87E-08	9.87E-08	1.73E-09	1.19E-07	1.70E-08	5.17E-08	5.24E-10	6.92E-08
233	470423.53	3819196.4	2.10E-07	8.13E-07	1.08E-08	1.03E-06	1.75E-07	5.97E-07	7.73E-09	7.79E-07	1.98E-08	1.05E-07	1.84E-09	1.26E-07	1.80E-08	5.48E-08	5.56E-10	7.33E-08
234	470427.04	3819205.11	2.22E-07	8.60E-07	1.14E-08	1.09E-06	1.85E-07	6.32E-07	8.18E-09	8.25E-07	2.09E-08	1.11E-07	1.94E-09	1.34E-07	1.90E-08	5.80E-08	5.88E-10	7.76E-08
235	470430.55	3819213.81	2.34E-07	9.08E-07	1.20E-08	1.15E-06	1.95E-07	6.67E-07	8.64E-09	8.71E-07	2.21E-08	1.17E-07	2.05E-09	1.41E-07	2.01E-08	6.12E-08	6.21E-10	8.19E-08
236	470273.77	3819078.45	2.03E-07	7.87E-07	1.04E-08	1.00E-06	1.69E-07	5.78E-07	7.48E-09	7.55E-07	1.92E-08	1.01E-07	1.78E-09	1.22E-07	1.74E-08	5.30E-08	5.38E-10	7.10E-08
237	470264.2	3819078.32	2.13E-07	8.27E-07	1.10E-08	1.05E-06	1.78E-07	6.08E-07	7.86E-09	7.93E-07	2.01E-08	1.06E-07	1.87E-09	1.28E-07	1.83E-08	5.57E-08	5.65E-10	7.46E-08
238	470254.64	3819078.18	2.23E-07	8.64E-07	1.14E-08	1.10E-06	1.86E-07	6.35E-07	8.22E-09	8.29E-07	2.10E-08	1.11E-07	1.95E-09	1.34E-07	1.91E-08	5.82E-08	5.91E-10	7.79E-08
239	470245.08	3819078.05	2.31E-07	8.97E-07	1.19E-08	1.14E-06	1.93E-07	6.59E-07	8.53E-09	8.61E-07	2.19E-08	1.16E-07	2.03E-09	1.39E-07	1.99E-08	6.05E-08	6.13E-10	8.10E-08
240	470235.52	3819077.91	2.39E-07	9.28E-07	1.23E-08	1.18E-06	1.99E-07	6.82E-07	8.82E-09	8.90E-07	2.26E-08	1.19E-07	2.10E-09	1.44E-07	2.05E-08	6.25E-08	6.34E-10	8.37E-08
241	470225.96	3819077.78	2.46E-07	9.55E-07	1.27E-08	1.21E-06	2.05E-07	7.02E-07	9.08E-09	9.16E-07	2.33E-08	1.23E-07	2.16E-09	1.48E-07	2.11E-08	6.44E-08	6.53E-10	8.62E-08
242	470216.39	3819077.64	2.53E-07	9.79E-07	1.30E-08	1.24E-06	2.10E-07	7.20E-07	9.31E-09	9.39E-07	2.38E-08	1.26E-07	2.21E-09	1.52E-07	2.17E-08	6.60E-08	6.69E-10	8.84E-08
243	470206.83	3819077.51	2.57E-07	9.98E-07	1.32E-08	1.27E-06	2.14E-07	7.33E-07	9.49E-09	9.57E-07	2.43E-08	1.28E-07	2.26E-09	1.55E-07	2.21E-08	6.73E-08	6.82E-10	9.00E-08
244	470197.27	3819077.37	2.61E-07	1.01E-06	1.34E-08	1.29E-06	2.17E-07	7.43E-07	9.61E-09	9.70E-07	2.46E-08	1.30E-07	2.28E-09	1.57E-07	2.24E-08	6.82E-08	6.91E-10	9.12E-08
245	470187.71	3819077.24	2.63E-07	1.02E-06	1.35E-08	1.29E-06	2.19E-07	7.48E-07	9.68E-09	9.77E-07	2.48E-08	1.31E-07	2.30E-09	1.58E-07	2.25E-08	6.86E-08	6.96E-10	9.19E-08
246	470159.02	3819076.83	2.59E-07	1.00E-06	1.33E-08	1.27E-06	2.15E-07	7.37E-07	9.54E-09	9.62E-07	2.44E-08	1.29E-07	2.27E-09	1.56E-07	2.22E-08	6.76E-08	6.86E-10	9.05E-08
247	470149.46	3819076.7	2.54E-07	9.86E-07	1.31E-08	1.25E-06	2.12E-07	7.25E-07	9.38E-09	9.46E-07	2.40E-08	1.27E-07	2.23E-09	1.53E-07	2.18E-08	6.65E-08	6.74E-10	8.90E-08
248	470139.9	3819076.56	2.49E-07	9.64E-07	1.28E-08	1.23E-06	2.07E-07	7.09E-07	9.17E-09	9.25E-07	2.35E-08	1.24E-07	2.18E-09	1.50E-07	2.13E-08	6.50E-08	6.59E-10	8.70E-08
249	470130.33	3819076.43	2.41E-07	9.36E-07	1.24E-08	1.19E-06	2.01E-07	6.88E-07	8.90E-09	8.98E-07	2.28E-08	1.20E-07	2.11E-09	1.45E-07	2.07E-08	6.31E-08	6.40E-10	8.44E-08
250	470120.77	3819076.29	2.33E-07	9.04E-07	1.20E-08	1.15E-06	1.94E-07	6.64E-07	8.59E-09	8.67E-07	2.20E-08	1.16E-07	2.04E-09	1.40E-07	2.00E-08	6.09E-08	6.18E-10	8.15E-08
251	470111.21	3819076.16	2.24E-07	8.68E-07	1.15E-08	1.10E-06	1.87E-07	6.38E-07	8.26E-09	8.33E-07	2.11E-08	1.12E-07	1.96E-09	1.35E-07	1.92E-08	5.85E-08	5.94E-10	7.83E-08
252	470317.26	3819073.03	1.50E-07	5.82E-07	7.71E-09	7.40E-07	1.25E-07	4.28E-07	5.54E-09	5.58E-07	1.42E-08	7.50E-08	1.32E-09	9.04E-08	1.29E-08	3.92E-08	3.98E-10	5.25E-08
253	470325.67	3819076.64	1.46E-07	5.67E-07	7.51E-09	7.21E-07	1.22E-07	4.17E-07	5.39E-09	5.44E-07	1.38E-08	7.30E-08	1.28E-09	8.81E-08	1.25E-08	3.82E-08	3.87E-10	5.11E-08
254	470334.08	3819080.25	1.43E-07	5.53E-07	7.32E-09	7.03E-07	1.19E-07	4.06E-07	5.26E-09	5.30E-07	1.35E-08	7.12E-08	1.25E-09	8.59E-08	1.22E-08	3.73E-08	3.78E-10	4.99E-08
255	470342.49	3819083.86	1.38E-07	5.36E-07	7.10E-09	6.82E-07	1.15E-07	3.94E-07	5.10E-09	5.14E-07	1.31E-08	6.90E-08	1.21E-09	8.33E-08	1.19E-08	3.61E-08	3.67E-10	4.84E-08
256	470350.9	3819087.47	1.34E-07	5.20E-07	6.89E-09	6.61E-07	1.12E-07	3.82E-07	4.95E-09	4.99E-07	1.27E-08	6.69E-08	1.18E-09	8.08E-08	1.15E-08	3.51E-08	3.55E-10	4.69E-08
257	470359.32	3819091.08	1.30E-07	5.05E-07	6.68E-09	6.41E-07	1.08E-07	3.71E-07	4.80E-09	4.84E-07	1.23E-08	6.50E-08	1.14E-09	7.84E-08	1.12E-08	3.40E-08	3.45E-10	4.55E-08
258	470367.73	3819094.69	1.26E-07	4.90E-07	6.49E-09	6.23E-07	1.05E-07	3.60E-07	4.66E-09	4.70E-07	1.19E-08	6.31E-08	1.11E-09	7.61E-08	1.09E-08	3.30E-08	3.35E-10	4.42E-08
259	470376.14	3819098.3	1.23E-07	4.77E-07	6.32E-09	6.06E-07	1.02E-07	3.50E-07	4.54E-09	4.57E-07	1.16E-08	6.14E-08	1.08E-09	7.41E-08	1.06E-08	3.21E-08	3.26E-10	4.30E-08
260	470384.55	3819101.91	1.20E-07	4.65E-07	6.16E-09	5.91E-07	9.99E-08	3.42E-07	4.42E-09	4.46E-07	1.13E-08	5.99E-08	1.05E-09	7.22E-08	1.03E-08	3.13E-08	3.18E-10	4.20E-08
261	470392.96	3819105.52	1.17E-07	4.55E-07	6.02E-09	5.78E-07	9.76E-08	3.34E-07	4.32E-09	4.36E-07	1.11E-08	5.85E-08	1.03E-09	7.06E-08	1.01E-08	3.06E-08	3.11E-10	4.10E-08
262	470401.37	3819109.13	1.15E-07	4.45E-07	5.90E-09	5.66E-07	9.56E-08	3.27E-07	4.23E-09	4.27E-07	1.08E-08	5.73E-08	1.01E-09	6.92E-08	9.85E-09	3.00E-08	3.04E-10	4.02E-08
263	470413.2	3819121.23	1.18E-07	4.56E-07	6.04E-09	5.80E-07	9.80E-08	3.35E-07	4.34E-09	4.38E-07	1.11E-08	5.87E-08	1.03E-09	7.09E-08	1.01E-08	3.07E-08	3.12E-10	4.12E-08
264	470416.62	3819129.73	1.23E-07	4.78E-07	6.33E-09	6.07E-07	1.03E-07	3.51E-07	4.54E-09	4.58E-07	1.16E-08	6.15E-08	1.08E-09	7.42E-08	1.06E-08	3.22E-08	3.26E-10	4.31E-08
265	470420.04	3819138.22	1.29E-07	5.01E-07	6.64E-09	6.37E-07	1.08E-07	3.68E-07	4.77E-09	4.81E-07	1.22E-08	6.45E-08	1.13E-09	7.79E-08	1.11E-08	3.38E-08	3.43E-10	4.52E-08
266	470423.46	3819146.71	1.36E-07	5.27E-07	6.99E-09	6.70E-07	1.13E-07	3.88E-07	5.02E-09	5.06E-07	1.28E-08	6.79E-08	1.19E-09	8.19E-08	1.17E-08	3.56E-08	3.61E-10	4.76E-08
267	470426.88	3819155.2	1.43E-07	5.56E-07	7.37E-09	7.07E-07	1.19E-07	4.09E-07	5.29E-09	5.33E-07	1.35E-08	7.16E-08	1.26E-09	8.64E-08	1.23E-08	3.75E-08	3.80E-10	5.02E-08
268	470430.3	3819163.69	1.51E-07	5.87E-07	7.78E-09	7.46E-07	1.26E-07	4.31E-07	5.58E-09	5.63E-07	1.43E-08	7.56E-08	1.33E-09	9.12E-08	1.30E-08	3.96E-08	4.01E-10	5.30E-08
269	470433.71	3819172.18	1.60E-07	6.20E-07	8.22E-09	7.88E-07	1.33E-07	4.56E-07	5.90E-09	5.95E-07	1.51E-08	7.98E-08	1.40E-09	9.63E-08	1.37E-08	4.18E-08	4.24E-10	5.60E-08
270	470437.13	3819180.67	1.69E-07	6.56E-07	8.69E-09	8.33E-07	1.41E-07	4.82E-07	6.23E-09	6.29E-07	1.60E-08	8.44E-08	1.48E-09	1.02E-07	1.45E-08	4.42E-08	4.48E-10	5.91E-08
271	470440.55	3819189.17	1.79E-07	6.93E-07	9.18E-09	8.80E-07	1.49E-07	5.09E-07	6.59E-09	6.64E-07	1.69E-08	8.92E-08	1.56E-09	1.08E-07	1.53E-08	4.67E-08	4.73E-10	6.25E-08
272	470443.97	3819197.66	1.88E-07	7.31E-07	9.68E-09	9.29E-07	1.57E-07	5.37E-07	6.95E-09	7.01E-07	1.78E-08	9.41E-08	1.65E-09	1.13E-07	1.62E-08	4.92E-08	4.99E-10	6.59E-08
273	470447.39	3819206.15	1.98E-07	7.69E-07	1.02E-08	9.78E-07	1.65E-07	5.65E-07	7.32E-09	7.38E-07	1.87E-08	9.90E-08	1.74E-09	1.19E-07	1.70E-08	5.19E-08	5.26E-10	6.94E-08
274	470450.81	3819214.64	2.08E-07	8.08E-07	1.07E-08	1.03E-06	1.74E-07	5.94E-07	7.68E-09	7.75E-07	1.97E-08	1.04E-07	1.83E-09	1.26E-07	1.79E-08	5.45E-08	5.52E-10	7.29E-08
275	470274.05	3819058.45	1.74E-07	6.74E-07	8.94E-09	8.57E-07	1.45E-07	4.96E-07	6.41E-09	6.47E-07	1.64E-08	8.68E-08	1.52E-09	1.05E-07	1.49E-08	4.55E-08	4.61E-10	6.09E-08
276	470264.49	3819058.32	1.82E-07	7.05E-07	9.34E-09	8.96E-07	1.51E-07	5.18E-07	6.70E-09	6.76E-07	1.72E-08	9.07E-08	1.59E-09	1.10E-07	1.56E-08	4.75E-08	4.82E-10	6.36E-08
277	470254.92	3819058.18	1.89E-07	7.34E-07	9.73E-09	9.33E-07	1.58E-07	5.40E-07	6.98E-09	7.04E-07	1.79E-08	9.45E-08	1.66E-09	1.14E-07	1.63E-08	4.95E-08	5.02E-10	6.63E-08
278	470245.36	3819058.05	1.96E-07	7.62E-07	1.01E-08	9.69E-07	1.64E-07	5.60E-07	7.25E-09	7.31E-07	1.86E-08	9.81E-08	1.72E-09	1.18E-07	1.69E-08	5.14E-08	5.21E-10	6.88E-08
279	470235.8	3819057.91	2.03E-07	7.87E-07	1.04E-08	1.00E-06	1.69E-07	5.78E-07	7.49E-09	7.55E-07	1.92E-08	1.01E-07	1.78E-09	1.22E-07	1.74E-08	5.31E-08	5.38E-10	7.10E-08
280	470226.24	3819057.78	2.09E-07	8.10E-07	1.07E-08	1.03E-06	1.74E-07	5.95E-07	7.70E-09	7.77E-07	1.97E-08	1.04E-07	1.83E-09	1.26E-07	1.79E-08	5.46E-08	5.53E-10	7.31E-08
281	470216.68	3819057.64	2.14E-07	8.29E-07	1.10E-08	1.05E-06	1.78E-07	6.09E-07	7.88E-09	7.95E-07	2.02E-08	1.07E-07	1.87E-09	1.29E-07	1.83E-08	5.59E-08	5.67E-10	7.48E-08
282	470207.11	3819057.51	2.18E-07	8.44E-07	1.12E-08	1.07E-06	1.81E-07	6.20E-07	8.03E-09	8.10E-07	2.06E-08	1.09E-07	1.91E-09	1.31E-07	1.87E-08	5.69E-08	5.77E-10	7.62E-08
283	470197.55	3819057.37	2.21E-07	8.55E-07	1.13E-08	1.09E-06	1.84E-07	6.28E-07	8.13E-09	8.20E-07	2.08E-08	1.10E-07	1.93E-09	1.33E-07	1.89E-08	5.77E-08	5.85E-10	7.72E-08
284	470187.99	3819057.24	2.22E-07	8.62E-07	1.14E-08	1.10E-06	1.85E-07	6.33E-07	8.19E-09	8.26E-07	2.10E-08	1.11E-07	1.95E-09	1.34E-07	1.91E-08	5.81E-08	5.89E-10	7.77E-08

285	470159.3	3819056.83	2.20E-07	8.53E-07	1.13E-08	1.08E-06	1.83E-07	6.27E-07	8.11E-09	8.18E-07	2.08E-08	1.10E-07	1.93E-09	1.32E-07	1.89E-08	5.75E-08	5.83E-10	7.70E-08
286	470149.74	3819056.7	2.17E-07	8.41E-07	1.11E-08	1.07E-06	1.81E-07	6.18E-07	8.00E-09	8.07E-07	2.05E-08	1.08E-07	1.90E-09	1.31E-07	1.86E-08	5.67E-08	5.75E-10	7.59E-08
287	470140.18	3819056.56	2.13E-07	8.25E-07	1.09E-08	1.05E-06	1.77E-07	6.06E-07	7.85E-09	7.91E-07	2.01E-08	1.06E-07	1.86E-09	1.28E-07	1.83E-08	5.56E-08	5.64E-10	7.45E-08
288	470130.62	3819056.43	2.07E-07	8.04E-07	1.07E-08	1.02E-06	1.73E-07	5.91E-07	7.65E-09	7.71E-07	1.96E-08	1.04E-07	1.82E-09	1.25E-07	1.78E-08	5.42E-08	5.50E-10	7.26E-08
289	470121.05	3819056.29	2.01E-07	7.80E-07	1.03E-08	9.92E-07	1.68E-07	5.73E-07	7.42E-09	7.48E-07	1.90E-08	1.00E-07	1.76E-09	1.21E-07	1.73E-08	5.26E-08	5.33E-10	7.04E-08
290	470111.49	3819056.16	1.94E-07	7.54E-07	9.98E-09	9.58E-07	1.62E-07	5.54E-07	7.17E-09	7.23E-07	1.84E-08	9.70E-08	1.70E-09	1.17E-07	1.67E-08	5.08E-08	5.15E-10	6.80E-08
291	470318.94	3819053.63	1.31E-07	5.10E-07	6.75E-09	6.48E-07	1.09E-07	3.74E-07	4.85E-09	4.89E-07	1.24E-08	6.56E-08	1.15E-09	7.91E-08	1.13E-08	3.43E-08	3.48E-10	4.60E-08
292	470327.7	3819057.39	1.28E-07	4.95E-07	6.56E-09	6.30E-07	1.06E-07	3.64E-07	4.71E-09	4.75E-07	1.21E-08	6.38E-08	1.12E-09	7.69E-08	1.10E-08	3.34E-08	3.39E-10	4.47E-08
293	470336.47	3819061.15	1.24E-07	4.82E-07	6.38E-09	6.12E-07	1.03E-07	3.54E-07	4.58E-09	4.62E-07	1.17E-08	6.20E-08	1.09E-09	7.48E-08	1.07E-08	3.25E-08	3.29E-10	4.35E-08
294	470345.23	3819064.92	1.21E-07	4.69E-07	6.21E-09	5.96E-07	1.01E-07	3.44E-07	4.46E-09	4.50E-07	1.14E-08	6.04E-08	1.06E-09	7.28E-08	1.04E-08	3.16E-08	3.20E-10	4.23E-08
295	470353.99	3819068.68	1.17E-07	4.54E-07	6.02E-09	5.78E-07	9.76E-08	3.34E-07	4.32E-09	4.36E-07	1.11E-08	5.85E-08	1.03E-09	7.06E-08	1.01E-08	3.06E-08	3.11E-10	4.10E-08
296	470362.75	3819072.44	1.14E-07	4.41E-07	5.84E-09	5.60E-07	9.46E-08	3.24E-07	4.19E-09	4.22E-07	1.07E-08	5.67E-08	9.95E-10	6.84E-08	9.75E-09	2.97E-08	3.01E-10	3.97E-08
297	470371.51	3819076.2	1.10E-07	4.27E-07	5.66E-09	5.43E-07	9.18E-08	3.14E-07	4.06E-09	4.10E-07	1.04E-08	5.50E-08	9.66E-10	6.64E-08	9.46E-09	2.88E-08	2.92E-10	3.86E-08
298	470380.28	3819079.96	1.07E-07	4.15E-07	5.50E-09	5.28E-07	8.92E-08	3.05E-07	3.95E-09	3.98E-07	1.01E-08	5.34E-08	9.38E-10	6.45E-08	9.19E-09	2.80E-08	2.84E-10	3.75E-08
299	470389.04	3819083.72	1.04E-07	4.04E-07	5.35E-09	5.14E-07	8.68E-08	2.97E-07	3.84E-09	3.88E-07	9.84E-09	5.20E-08	9.13E-10	6.28E-08	8.94E-09	2.72E-08	2.76E-10	3.65E-08
300	470397.8	3819087.48	1.02E-07	3.94E-07	5.22E-09	5.01E-07	8.46E-08	2.90E-07	3.75E-09	3.78E-07	9.60E-09	5.07E-08	8.91E-10	6.12E-08	8.72E-09	2.66E-08	2.69E-10	3.56E-08
301	470406.56	3819091.24	9.93E-08	3.85E-07	5.10E-09	4.90E-07	8.27E-08	2.83E-07	3.66E-09	3.70E-07	9.38E-09	4.96E-08	8.71E-10	5.99E-08	8.53E-09	2.60E-08	2.63E-10	3.48E-08
302	470415.32	3819095	9.73E-08	3.77E-07	5.00E-09	4.80E-07	8.11E-08	2.77E-07	3.59E-09	3.62E-07	9.19E-09	4.86E-08	8.53E-10	5.86E-08	8.35E-09	2.54E-08	2.58E-10	3.41E-08
303	470427.65	3819107.61	9.97E-08	3.87E-07	5.12E-09	4.91E-07	8.30E-08	2.84E-07	3.68E-09	3.71E-07	9.41E-09	4.98E-08	8.73E-10	6.00E-08	8.56E-09	2.61E-08	2.64E-10	3.49E-08
304	470431.21	3819116.45	1.04E-07	4.04E-07	5.35E-09	5.14E-07	8.68E-08	2.97E-07	3.84E-09	3.88E-07	9.84E-09	5.20E-08	9.13E-10	6.28E-08	8.94E-09	2.72E-08	2.76E-10	3.65E-08
305	470434.77	3819125.3	1.09E-07	4.24E-07	5.61E-09	5.38E-07	9.10E-08	3.11E-07	4.03E-09	4.06E-07	1.03E-08	5.45E-08	9.57E-10	6.58E-08	9.38E-09	2.86E-08	2.90E-10	3.82E-08
306	470438.33	3819134.14	1.15E-07	4.45E-07	5.90E-09	5.66E-07	9.56E-08	3.27E-07	4.23E-09	4.27E-07	1.08E-08	5.73E-08	1.01E-09	6.92E-08	9.86E-09	3.00E-08	3.04E-10	4.02E-08
307	470441.89	3819142.99	1.21E-07	4.69E-07	6.21E-09	5.96E-07	1.01E-07	3.45E-07	4.46E-09	4.50E-07	1.14E-08	6.04E-08	1.06E-09	7.29E-08	1.04E-08	3.16E-08	3.21E-10	4.23E-08
308	470445.45	3819151.83	1.28E-07	4.95E-07	6.56E-09	6.29E-07	1.06E-07	3.64E-07	4.71E-09	4.75E-07	1.20E-08	6.37E-08	1.12E-09	7.69E-08	1.10E-08	3.34E-08	3.38E-10	4.47E-08
309	470449.01	3819160.68	1.35E-07	5.23E-07	6.93E-09	6.65E-07	1.12E-07	3.84E-07	4.97E-09	5.01E-07	1.27E-08	6.73E-08	1.18E-09	8.12E-08	1.16E-08	3.52E-08	3.57E-10	4.72E-08
310	470452.57	3819169.52	1.43E-07	5.53E-07	7.32E-09	7.03E-07	1.19E-07	4.06E-07	5.26E-09	5.30E-07	1.35E-08	7.11E-08	1.25E-09	8.59E-08	1.22E-08	3.73E-08	3.78E-10	4.99E-08
311	470456.14	3819178.37	1.51E-07	5.84E-07	7.74E-09	7.42E-07	1.25E-07	4.29E-07	5.55E-09	5.60E-07	1.42E-08	7.52E-08	1.32E-09	9.07E-08	1.29E-08	3.94E-08	3.99E-10	5.27E-08
312	470459.7	3819187.21	1.59E-07	6.17E-07	8.17E-09	7.84E-07	1.32E-07	4.53E-07	5.86E-09	5.91E-07	1.50E-08	7.94E-08	1.39E-09	9.58E-08	1.37E-08	4.16E-08	4.22E-10	5.56E-08
313	470463.26	3819196.06	1.68E-07	6.50E-07	8.61E-09	8.26E-07	1.40E-07	4.78E-07	6.18E-09	6.24E-07	1.58E-08	8.37E-08	1.47E-09	1.01E-07	1.44E-08	4.38E-08	4.44E-10	5.87E-08
314	470466.82	3819204.9	1.76E-07	6.84E-07	9.06E-09	8.70E-07	1.47E-07	5.03E-07	6.50E-09	6.56E-07	1.67E-08	8.81E-08	1.55E-09	1.06E-07	1.51E-08	4.61E-08	4.68E-10	6.17E-08
315	470470.38	3819213.75	1.85E-07	7.18E-07	9.51E-09	9.13E-07	1.54E-07	5.28E-07	6.83E-09	6.89E-07	1.75E-08	9.24E-08	1.62E-09	1.12E-07	1.59E-08	4.84E-08	4.91E-10	6.48E-08
316	470274.33	3819038.45	1.51E-07	5.85E-07	7.75E-09	7.43E-07	1.26E-07	4.30E-07	5.56E-09	5.61E-07	1.42E-08	7.53E-08	1.32E-09	9.09E-08	1.29E-08	3.94E-08	4.00E-10	5.28E-08
317	470264.77	3819038.32	1.57E-07	6.09E-07	8.07E-09	7.74E-07	1.31E-07	4.48E-07	5.79E-09	5.84E-07	1.48E-08	7.84E-08	1.38E-09	9.46E-08	1.35E-08	4.11E-08	4.16E-10	5.50E-08
318	470255.21	3819038.18	1.63E-07	6.33E-07	8.39E-09	8.05E-07	1.36E-07	4.65E-07	6.02E-09	6.07E-07	1.54E-08	8.15E-08	1.43E-09	9.83E-08	1.40E-08	4.27E-08	4.33E-10	5.71E-08
319	470245.64	3819038.05	1.69E-07	6.56E-07	8.69E-09	8.34E-07	1.41E-07	4.82E-07	6.24E-09	6.29E-07	1.60E-08	8.45E-08	1.48E-09	1.02E-07	1.45E-08	4.42E-08	4.48E-10	5.92E-08
320	470236.08	3819037.91	1.75E-07	6.77E-07	8.97E-09	8.60E-07	1.45E-07	4.97E-07	6.44E-09	6.49E-07	1.65E-08	8.71E-08	1.53E-09	1.05E-07	1.50E-08	4.56E-08	4.63E-10	6.11E-08
321	470226.52	3819037.78	1.79E-07	6.95E-07	9.21E-09	8.84E-07	1.49E-07	5.11E-07	6.61E-09	6.67E-07	1.69E-08	8.95E-08	1.57E-09	1.08E-07	1.54E-08	4.69E-08	4.75E-10	6.27E-08
322	470216.96	3819037.64	1.83E-07	7.11E-07	9.42E-09	9.04E-07	1.53E-07	5.23E-07	6.76E-09	6.82E-07	1.73E-08	9.15E-08	1.61E-09	1.10E-07	1.57E-08	4.79E-08	4.86E-10	6.42E-08
323	470207.4	3819037.51	1.87E-07	7.24E-07	9.59E-09	9.20E-07	1.55E-07	5.32E-07	6.88E-09	6.94E-07	1.76E-08	9.32E-08	1.64E-09	1.12E-07	1.60E-08	4.88E-08	4.95E-10	6.53E-08
324	470197.83	3819037.37	1.89E-07	7.33E-07	9.71E-09	9.32E-07	1.57E-07	5.39E-07	6.97E-09	7.03E-07	1.78E-08	9.44E-08	1.66E-09	1.14E-07	1.62E-08	4.94E-08	5.01E-10	6.61E-08
325	470188.27	3819037.24	1.90E-07	7.39E-07	9.79E-09	9.39E-07	1.59E-07	5.43E-07	7.02E-09	7.08E-07	1.80E-08	9.51E-08	1.67E-09	1.15E-07	1.64E-08	4.98E-08	5.05E-10	6.66E-08
326	470159.58	3819036.83	1.89E-07	7.34E-07	9.72E-09	9.33E-07	1.58E-07	5.39E-07	6.98E-09	7.04E-07	1.79E-08	9.45E-08	1.66E-09	1.14E-07	1.62E-08	4.95E-08	5.02E-10	6.62E-08
327	470150.02	3819036.7	1.87E-07	7.26E-07	9.61E-09	9.22E-07	1.56E-07	5.33E-07	6.90E-09	6.96E-07	1.77E-08	9.34E-08	1.64E-09	1.13E-07	1.61E-08	4.89E-08	4.96E-10	6.55E-08
328	470140.46	3819036.56	1.84E-07	7.14E-07	9.46E-09	9.07E-07	1.53E-07	5.25E-07	6.79E-09	6.85E-07	1.74E-08	9.19E-08	1.61E-09	1.11E-07	1.58E-08	4.81E-08	4.88E-10	6.44E-08
329	470130.9	3819036.43	1.80E-07	6.98E-07	9.25E-09	8.87E-07	1.50E-07	5.13E-07	6.64E-09	6.70E-07	1.70E-08	8.99E-08	1.58E-09	1.08E-07	1.55E-08	4.71E-08	4.77E-10	6.30E-08
330	470121.34	3819036.29	1.75E-07	6.80E-07	9.01E-09	8.64E-07	1.46E-07	5.00E-07	6.46E-09	6.52E-07	1.66E-08	8.75E-08	1.54E-09	1.06E-07	1.50E-08	4.58E-08	4.65E-10	6.13E-08
331	470111.77	3819036.16	1.70E-07	6.59E-07	8.74E-09	8.38E-07	1.42E-07	4.85E-07	6.27E-09	6.32E-07	1.61E-08	8.49E-08	1.49E-09	1.02E-07	1.46E-08	4.45E-08	4.51E-10	5.95E-08
332	470318.45	3819033.3	1.17E-07	4.53E-07	6.00E-09	5.76E-07	9.73E-08	3.33E-07	4.31E-09	4.34E-07	1.10E-08	5.83E-08	1.02E-09	7.03E-08	1.00E-08	3.05E-08	3.10E-10	4.09E-08
333	470327.01	3819036.98	1.14E-07	4.41E-07	5.84E-09	5.60E-07	9.47E-08	3.24E-07	4.19E-09	4.23E-07	1.07E-08	5.67E-08	9.96E-10	6.85E-08	9.76E-09	2.97E-08	3.01E-10	3.98E-08
334	470335.58	3819040.66	1.10E-07	4.28E-07	5.67E-09	5.44E-07	9.20E-08	3.15E-07	4.07E-09	4.11E-07	1.04E-08	5.51E-08	9.68E-10	6.65E-08	9.48E-09	2.89E-08	2.93E-10	3.86E-08
335	470344.15	3819044.33	1.07E-07	4.16E-07	5.51E-09	5.29E-07	8.93E-08	3.06E-07	3.95E-09	3.99E-07	1.01E-08	5.35E-08	9.40E-10	6.46E-08	9.21E-09	2.80E-08	2.84E-10	3.75E-08
336	470352.71	3819048.01	1.04E-07	4.04E-07	5.35E-09	5.14E-07	8.68E-08	2.97E-07	3.84E-09	3.88E-07	9.84E-09	5.20E-08	9.13E-10	6.28E-08	8.94E-09	2.72E-08	2.76E-10	3.65E-08
337	470361.28	3819051.69	1.01E-07	3.93E-07	5.20E-09	4.99E-07	8.44E-08	2.89E-07	3.74E-09	3.77E-07	9.56E-09	5.06E-08	8.88E-10	6.10E-08	8.70E-09	2.65E-08	2.69E-10	3.54E-08
338	470369.85	3819055.36	9.85E-08	3.82E-07	5.06E-09	4.86E-07	8.21E-08	2.81E-07	3.63E-09	3.67E-07	9.30E-09	4.92E-08	8.63E-10	5.94E-08	8.46E-09	2.58E-08	2.61E-10	3.45E-08
339	470378.42	3819059.04	9.59E-08	3.72E-07	4.93E-09	4.73E-07	7.99E-08	2.73E-07	3.54E-09	3.57E-07	9.06E-09	4.79E-08	8.41E-10	5.78E-08	8.24E-09	2.51E-08	2.54E-10	3.36E-08
340	470386.98	3819062.72	9.34E-08	3.62E-07	4.80E-09	4.61E-07	7.78E-08	2.66E-07	3.45E-09	3.48E-07	8.82E-09	4.67E-08	8.19E-10	5.63E-08	8.02E-09	2.44E-08	2.48E-10	3.27E-08
341	470395.55	3819066.4	9.10E-08	3.53E-07	4.67E-09	4.49E-07	7.58E-08	2.59E-07	3.36E-09	3.38E-07	8.59E-09	4.54E-08	7.97E-10	5.48E-08	7.81E-09	2.38E-08	2.41E-10	3.18E-08
342	470404.12	3819070.07	8.87E-08	3.44E-07	4.56E-09	4.37E-07	7.39E-08	2.53E-07	3.27E-09	3.30E-07	8.38E-09	4.43E-08	7.78E-10	5.35E-08	7.62E-09	2.32E-08	2.35E-10	3.10E-08
343	470412.69	3819073.75	8.67E-08	3.36E-07	4.45E-09	4.27E-07	7.22E-08	2.47E-07	3.20E-09	3.22E-07	8.19E-09	4.33E-08	7.60E-10	5.22E-08	7.44E-09	2.27E-08	2.30E-10	3.03E-08
344	470421.25	3819077.43	8.49E-08	3.29E-07	4.36E-09	4.18E-07	7.07E-08	2.42E-07	3.13E-09	3.16E-07	8.02E-09	4.24E-08	7.44E-10	5.11E-08	7.29E-09	2.22E-08	2.25E-10	2.97E-08
345	470429.82	3819081.1	8.33E-08	3.23E-07	4.28E-09	4.11E-07	6.94E-08	2.37E-07	3.07E-09	3.10E-07	7.87E-09	4.16E-08	7.30E-10	5.02E-08	7.15E-09	2.18E-08	2.21E-10	2.91E-08
346	470441.87	3819093.43	8.51E-08	3.30E-07	4.37E-09	4.20E-07	7.09E-08	2.43E-07	3.14E-09	3.17E-07	8.04E-09	4.25E-08	7.46E-10	5.13E-08	7.31E-09	2.23E-08	2.26E-10	2.98E-08
347	470445.35	3819102.08	8.87E-08	3.44E-07	4.56E-09	4.37E-07	7.39E-08	2.53E-07	3.27E-09	3.30E-07	8.38E-09	4.43E-08	7.77E-10	5.34E-08	7.61E-09	2.32E-08	2.35E-10	3.10E-08
348	470448.83	3819110.73	9.26E-08	3.59E-07	4.76E-09	4.57E-07	7.71E-08	2.64E-07	3.42E-09	3.45E-07	8.75E-09	4.62E-08	8.12E-10	5.58E-08	7.95E-09	2.42E-08	2.46E-10	3.24E-08
349	470452.32	3819119.38	9.69E-08	3.76E-07	4.98E-09	4.78E-07	8.07E-08	2.76E-07	3.57E-09	3.61E-07	9.15E-09	4.84E-08	8.49E-10	5.84E-08	8.32E-09	2.53E-08	2.57E-10	3.39E-08
350	470455.8	3819128.02	1.02E-07	3.94E-07	5.22E-09	5.01E-07	8.47E-08	2.90E-07	3.75E-09	3.78E-07	9.60E-09	5.07E-08	8.91E-10	6.12E-08	8.72E-09	2.66E-08	2.69E-10	3.56E-08
351	470459.28	3819136.67	1.07E-07	4.14E-07	5.49E-09	5.26E-07	8.89E-08	3.04E-07	3.94E-09	3.97E-07	1.01E-08	5.33E-08	9.36E-10	6.43E-08	9.17E-09	2.79E-08	2.83E-10	3.74E-08
352	470462.76	3819145.32	1.12E-07	4.36E-07	5.77E-09	5.54E-07	9.36E-08	3.20E-07	4.14E-09	4.18E-07	1.06E-08	5.61E-08	9.85E-10	6.77E-08	9.65E-09	2.94E-08	2.98E-10	3.93E-08
353	470466.24	3819153.97	1.18E-07	4.59E-07	6.08E-09	5.84E-07	9.86E-08	3.37E-07	4.37E-09	4.40E-07	1.12E-08	5.91E-08	1.04E-09	7.13E-08	1.02E-08	3.09E-08	3.14E-10	4.14E-08
354	470469.73	3819162.62	1.25E-07	4.84E-07	6.41E-09	6.15E-07	1.04E-07	3.56E-07	4.60E-09	4.64E-07	1.18E-08	6.23E-08	1.09E-09	7.52E-08	1.07E-08	3.26E-08	3.31E-10	4.37E-08
355	470274.61	3819018.46	1.32E-07	5.12E-07	6.79E-09	6.51E-07	1.10E-07	3.76E-07	4.87E-09	4.91E-07	1.25E-08	6.59E-08	1.16E-09	7.96E-08	1.13E-08	3.45E-08	3.50E-10	4.62E-08
356	470265.05	3819018.32	1.37E-07	5.33E-07	7.06E-09	6.78E-07	1.14E-07	3.92E-07	5.07E-09	5.11E-07	1.30E-08	6.86E-08	1.20E-09	8.28E-08	1.18E-08	3.59E-08	3.64E-10	4.81E-08
357	470255.49	3819018.19	1.43E-07	5.53E-07	7.33E-09	7.03E-07	1.19E-07	4.06E-07	5.26E-09	5.30E-07	1.35E-08	7.12E-08	1.25E-09	8.59E-08	1.22E-08	3.73E-08	3.78E-10	4.99E-08
358	470245.93	3819018.05	1.47E-07	5.72E-07	7.57E-09	7.27E-07	1.23E-07	4.20E-07	5.44E-09	5.48E-07	1.39E-08	7.36E-08	1.29E-09	8.88E-08	1.27E-08	3.85E-08	3.91E-10	5.16E-08
359	470236.36	3819017.92	1.52E-07	5.89E-07	7.80E-09	7.48E-07	1.26E-07	4.33E-07	5.60E-09	5.65E-07	1.43E-08	7.58E-08	1.33E-09	9.15E-08	1.30E-08	3.97E-08	4.02E-10	5.31E-08
360	470226.8	3819017.78	1.56E-07	6.04E-07	8.00E-09	7.68E-07	1.30E-07	4.44E-07	5.74E-09	5.79E-07	1.47E-08	7.77E-08	1.36E-09	9.38E-08	1.34E-08	4.07E-08	4.13E-10	5.45E-08
361	470217.24	3819017.65	1.59E-07	6.17E-07	8.17E-09	7.84E-07	1.32E-07	4.53E-07	5.87E-09	5.92E-07	1.50E-08	7.94E-08	1.39E-09	9.58E-08	1.37E-08	4.16E-08	4.22E-10	5.56E-08
362	470207.68	3819017.51	1.62E-07	6.27E-07	8.31E-09	7.97E-07	1.35E-07	4.61E-07	5.96E-09	6.02E-07	1.53E-08	8.07E-08	1.42E-09	9.74E-08	1.39E-08	4.23E-08	4.29E-10	5.66E-08
363	470198.12	3819017.38	1.64E-07	6.35E-07	8.41E-09	8.07E-07	1.36E-07	4.67E-07	6.04E-09	6.09E-07	1.55E-08	8.18E-08	1.44E-09	9.87E-08	1.41E-08	4.28E-08	4.34E-10	5.73E-08
364	470188.55	3819017.24	1.65E-07	6.40E-07	8.48E-09	8.14E-07	1.37E-07	4.70E-07	6.09E-09	6.14E-07	1.56E-08	8.24E-08	1.45E-09	9.94E-08	1.42E-08	4.31E-08	4.38E-10	5.78E-08
365	470159.87	3819016.84	1.65E-07	6.38E-07	8.46E-09	8.11E-07	1.37E-07	4.69E-07	6.07E-09	6.12E-07	1.55E-08	8.22E-08	1.44E-09	9.91E-08	1.41E-08	4.30E-08	4.36E-10	5.76E-08
366	470150.3	3819016.7	1.63E-07	6.32E-07	8.37E-09	8.03E-07	1.36E-07	4.64E-07	6.01E-09	6.06E-07	1.54E-08	8.14E-08	1.43E-09	9.82E-08	1.40E-08	4.26E-08	4.32E-10	5.70E-08
367	470140.74	3819016.57	1.61E-07	6.23E-07	8.26E-09	7.92E-07	1.34E-07	4.58E-07	5.93E-09	5.98E-07	1.52E-08	8.02E-08	1.41E-09	9.68E-08	1.38E-08	4.20E-08	4.26E-10	5.62E-08
368	470131.18	3819016.43	1.58E-07	6.11E-07	8.10E-09	7.77E-07	1.31E-07	4.49E-07	5.81E-09	5.86E-07	1.49E-08	7.87E-08	1.38E-09	9.50E-08	1.35E-08	4.12E-08	4.18E-10	5.52E-08
369	470121.62	3819016.3	1.54E-07	5.97E-07	7.91E-09	7.59E-07	1.28E-07	4.39E-07	5.68E-09	5.73E-07	1.45E-08	7.69E-08	1.35E-09	9.28E-08	1.32E-08	4.03E-08	4.08E-10	5.39E-08
370	470112.06	3819016.16	1.50E-07	5.81E-07	7.70E-09	7.39E-07	1.25E-07	4.27E-07	5.53E-09	5.58E-07	1.42E-08	7.48E-08	1.31E-09	9.03E-08	1.29E-08	3.92E-08	3.97E-10	5.24E-08
371	470318.1	3819013.04	1.04E-07	4.05E-07	5.37E-09	5.15E-07	8.70E-08	2.98E-07	3.85E-09	3.88E-07	9.86E-09	5.21E-08	9.15E-10	6.29E-08	8.96E-09	2.73E-08	2.77E-10	3.65E-08
372	470326.52	3819016.65	1.02E-07	3.95E-07	5.24E-09	5.02E-07	8.49E-08	2.90E-07	3.76E-09	3.79E-07	9.62E-09	5.09E-08	8.93E-10	6.14E-08	8.75E-09	2.66E-08	2.70E-10	3.57E-08
373	470334.93	3819020.26	9.93E-08	3.85E-07	5.10E-09	4.89E-07	8.27E-08	2.83E-07	3.66E-09	3.69E-07	9.37E-09	4.96E-08	8.70E-10	5.98E-08	8.52E-09	2.60E-08	2.63E-10	3.47E-08
374	470343.34	3819023.87	9.66E-08	3.75E-07	4.96E-09	4.76E-07	8.04E-08	2.75E-07	3.56E-09	3.59E-07	9.12E-09	4.82E-08	8.46E-10	5.82E-08	8.29E-09	2.52E-08	2.56E-10	3.38E-08
375	470351.75	3819027.48	9.39E-08	3.64E-07	4.82E-09	4.63E-07	7.82E-08	2.68E-07	3.46E-09	3.49E-07	8.87E-09	4.69E-08	8.23E-10	5.66E-08	8.06E-09	2.45E-08	2.49E-10	3.29E-08
376	470360.16	3819031.09	9.12E-08	3.54E-07	4.69E-09	4.50E-07	7.60E-08	2.60E-07	3.37E-09	3.39E-07	8.62E-09	4.56E-08	8.00E-10	5.50E-08	7.83E-09	2.39E-08	2.42E-10	3.19E-08
377	470368.57	3819034.7	8.86E-08	3.44E-07	4.55E-09	4.37E-07	7.38E-08	2.53E-07	3.27E-09	3.30E-07	8.37E-09	4.43E-08	7.77E-10	5.34E-08	7.61E-09	2.32E-08	2.35E-10	3.10E-08
378	470376.99	3819038.31	8.61E-08	3.34E-07	4.43E-09	4.25E-07	7.17E-08	2.45E-07	3.18E-09	3.20E-07	8.13E-09	4.30E-08	7.55E-10	5.19E-08	7.39E-09	2.25E-08	2.28E-10	3.01E-08
379	470385.4	3819041.92	8.37E-08	3.25E-07	4.30E-09	4.13E-07	6.97E-08	2.39E-07	3.09E-09	3.11E-07	7.91E-09	4.18E-08	7.34E-10	5.04E-08	7.19E-09	2.19E-08	2.22E-10	2.93E-08
380	470393.81	3819045.53	8.15E-08	3.16E-07	4.19E-09	4.02E-07	6.79E-08	2.32E-07	3.00E-09	3.03E-07	7.69E-09	4.07E-08	7.14E-10	4.91E-08	6.99E-09	2.13E-08	2.16E-10	2.85E-08

381	470402.22	3819049.14	7.95E-08	3.08E-07	4.09E-09	3.92E-07	6.62E-08	2.27E-07	2.93E-09	2.96E-07	7.51E-09	3.97E-08	6.97E-10	4.79E-08	6.83E-09	2.08E-08	2.11E-10	2.78E-08
382	470410.63	3819052.75	7.78E-08	3.02E-07	4.00E-09	3.83E-07	6.48E-08	2.22E-07	2.87E-09	2.89E-07	7.34E-09	3.88E-08	6.81E-10	4.69E-08	6.68E-09	2.03E-08	2.06E-10	2.72E-08
383	470419.04	3819056.36	7.64E-08	2.96E-07	3.93E-09	3.77E-07	6.37E-08	2.18E-07	2.82E-09	2.84E-07	7.22E-09	3.82E-08	6.70E-10	4.60E-08	6.56E-09	2.00E-08	2.03E-10	2.67E-08
384	470427.46	3819059.97	7.48E-08	2.90E-07	3.84E-09	3.69E-07	6.23E-08	2.13E-07	2.76E-09	2.78E-07	7.06E-09	3.73E-08	6.55E-10	4.51E-08	6.42E-09	1.96E-08	1.98E-10	2.62E-08
385	470435.87	3819063.58	7.33E-08	2.84E-07	3.77E-09	3.62E-07	6.11E-08	2.09E-07	2.71E-09	2.73E-07	6.93E-09	3.66E-08	6.43E-10	4.42E-08	6.30E-09	1.92E-08	1.94E-10	2.57E-08
386	470444.28	3819067.19	7.21E-08	2.79E-07	3.70E-09	3.55E-07	6.00E-08	2.05E-07	2.66E-09	2.68E-07	6.81E-09	3.60E-08	6.31E-10	4.34E-08	6.19E-09	1.88E-08	1.91E-10	2.52E-08
387	470274.9	3818998.46	1.17E-07	4.53E-07	6.01E-09	5.76E-07	9.74E-08	3.33E-07	4.31E-09	4.35E-07	1.10E-08	5.84E-08	1.02E-09	7.04E-08	1.00E-08	3.06E-08	3.10E-10	4.09E-08
388	470265.33	3818998.32	1.21E-07	4.71E-07	6.24E-09	5.98E-07	1.01E-07	3.46E-07	4.48E-09	4.51E-07	1.15E-08	6.06E-08	1.06E-09	7.31E-08	1.04E-08	3.17E-08	3.22E-10	4.25E-08
389	470255.77	3818998.19	1.26E-07	4.87E-07	6.45E-09	6.19E-07	1.05E-07	3.58E-07	4.63E-09	4.67E-07	1.19E-08	6.27E-08	1.10E-09	7.57E-08	1.08E-08	3.28E-08	3.33E-10	4.40E-08
390	470246.21	3818998.05	1.30E-07	5.03E-07	6.66E-09	6.39E-07	1.08E-07	3.69E-07	4.78E-09	4.82E-07	1.22E-08	6.47E-08	1.14E-09	7.81E-08	1.11E-08	3.39E-08	3.44E-10	4.53E-08
391	470236.65	3818997.92	1.33E-07	5.17E-07	6.85E-09	6.57E-07	1.11E-07	3.80E-07	4.91E-09	4.96E-07	1.26E-08	6.65E-08	1.17E-09	8.03E-08	1.14E-08	3.48E-08	3.53E-10	4.66E-08
392	470227.08	3818997.78	1.36E-07	5.29E-07	7.01E-09	6.73E-07	1.14E-07	3.89E-07	5.03E-09	5.08E-07	1.29E-08	6.81E-08	1.20E-09	8.22E-08	1.17E-08	3.57E-08	3.62E-10	4.78E-08
393	470217.52	3818997.65	1.39E-07	5.40E-07	7.15E-09	6.86E-07	1.16E-07	3.97E-07	5.14E-09	5.18E-07	1.31E-08	6.95E-08	1.22E-09	8.39E-08	1.20E-08	3.64E-08	3.69E-10	4.87E-08
394	470207.96	3818997.51	1.42E-07	5.49E-07	7.27E-09	6.98E-07	1.18E-07	4.03E-07	5.22E-09	5.26E-07	1.34E-08	7.07E-08	1.24E-09	8.53E-08	1.21E-08	3.70E-08	3.75E-10	4.95E-08
395	470198.4	3818997.38	1.43E-07	5.56E-07	7.36E-09	7.06E-07	1.19E-07	4.08E-07	5.28E-09	5.33E-07	1.35E-08	7.15E-08	1.26E-09	8.63E-08	1.23E-08	3.74E-08	3.80E-10	5.01E-08
396	470188.84	3818997.24	1.44E-07	5.60E-07	7.42E-09	7.12E-07	1.20E-07	4.12E-07	5.33E-09	5.37E-07	1.36E-08	7.21E-08	1.27E-09	8.70E-08	1.24E-08	3.78E-08	3.83E-10	5.05E-08
397	470160.15	3818996.84	1.44E-07	5.60E-07	7.42E-09	7.12E-07	1.20E-07	4.11E-07	5.32E-09	5.37E-07	1.36E-08	7.21E-08	1.26E-09	8.70E-08	1.24E-08	3.77E-08	3.83E-10	5.05E-08
398	470150.59	3818996.7	1.43E-07	5.55E-07	7.36E-09	7.06E-07	1.19E-07	4.08E-07	5.28E-09	5.33E-07	1.35E-08	7.15E-08	1.25E-09	8.63E-08	1.23E-08	3.74E-08	3.80E-10	5.01E-08
399	470141.02	3818996.57	1.41E-07	5.49E-07	7.27E-09	6.97E-07	1.18E-07	4.03E-07	5.22E-09	5.26E-07	1.34E-08	7.06E-08	1.24E-09	8.52E-08	1.21E-08	3.70E-08	3.75E-10	4.95E-08
400	470131.46	3818996.43	1.39E-07	5.39E-07	7.15E-09	6.86E-07	1.16E-07	3.96E-07	5.13E-09	5.17E-07	1.31E-08	6.94E-08	1.22E-09	8.38E-08	1.19E-08	3.64E-08	3.69E-10	4.87E-08
401	470121.9	3818996.3	1.36E-07	5.28E-07	7.00E-09	6.72E-07	1.13E-07	3.88E-07	5.02E-09	5.07E-07	1.29E-08	6.80E-08	1.19E-09	8.21E-08	1.17E-08	3.56E-08	3.61E-10	4.77E-08
402	470112.34	3818996.16	1.33E-07	5.16E-07	6.83E-09	6.56E-07	1.11E-07	3.79E-07	4.90E-09	4.95E-07	1.26E-08	6.64E-08	1.17E-09	8.01E-08	1.14E-08	3.48E-08	3.53E-10	4.65E-08
403	470319.45	3818993.5	9.36E-08	3.63E-07	4.81E-09	4.61E-07	7.80E-08	2.67E-07	3.45E-09	3.48E-07	8.84E-09	4.67E-08	8.20E-10	5.64E-08	8.03E-09	2.45E-08	2.48E-10	3.27E-08
404	470328.13	3818997.22	9.14E-08	3.54E-07	4.69E-09	4.50E-07	7.61E-08	2.60E-07	3.37E-09	3.40E-07	8.63E-09	4.56E-08	8.01E-10	5.50E-08	7.84E-09	2.39E-08	2.42E-10	3.20E-08
405	470336.81	3819000.95	8.90E-08	3.45E-07	4.58E-09	4.39E-07	7.42E-08	2.54E-07	3.28E-09	3.31E-07	8.41E-09	4.45E-08	7.80E-10	5.36E-08	7.64E-09	2.33E-08	2.36E-10	3.12E-08
406	470345.49	3819004.67	8.67E-08	3.36E-07	4.45E-09	4.27E-07	7.22E-08	2.47E-07	3.20E-09	3.22E-07	8.18E-09	4.33E-08	7.60E-10	5.22E-08	7.44E-09	2.27E-08	2.30E-10	3.03E-08
407	470354.17	3819008.4	8.43E-08	3.27E-07	4.33E-09	4.16E-07	7.02E-08	2.40E-07	3.11E-09	3.14E-07	7.96E-09	4.21E-08	7.39E-10	5.08E-08	7.24E-09	2.20E-08	2.23E-10	2.95E-08
408	470362.85	3819012.12	8.19E-08	3.18E-07	4.21E-09	4.04E-07	6.82E-08	2.33E-07	3.02E-09	3.05E-07	7.74E-09	4.09E-08	7.18E-10	4.94E-08	7.03E-09	2.14E-08	2.17E-10	2.87E-08
409	470371.53	3819015.85	7.96E-08	3.09E-07	4.09E-09	3.92E-07	6.63E-08	2.27E-07	2.94E-09	2.96E-07	7.52E-09	3.97E-08	6.98E-10	4.80E-08	6.83E-09	2.08E-08	2.11E-10	2.79E-08
410	470380.21	3819019.57	7.73E-08	3.00E-07	3.97E-09	3.81E-07	6.44E-08	2.20E-07	2.85E-09	2.88E-07	7.30E-09	3.86E-08	6.78E-10	4.66E-08	6.64E-09	2.02E-08	2.05E-10	2.71E-08
411	470388.88	3819023.3	7.51E-08	2.91E-07	3.86E-09	3.70E-07	6.26E-08	2.14E-07	2.77E-09	2.80E-07	7.10E-09	3.75E-08	6.59E-10	4.53E-08	6.45E-09	1.96E-08	1.99E-10	2.63E-08
412	470397.56	3819027.02	7.31E-08	2.83E-07	3.75E-09	3.60E-07	6.09E-08	2.08E-07	2.69E-09	2.72E-07	6.90E-09	3.65E-08	6.40E-10	4.40E-08	6.27E-09	1.91E-08	1.94E-10	2.56E-08
413	470406.24	3819030.75	7.11E-08	2.76E-07	3.65E-09	3.51E-07	5.92E-08	2.03E-07	2.62E-09	2.64E-07	6.71E-09	3.55E-08	6.23E-10	4.28E-08	6.10E-09	1.86E-08	1.88E-10	2.49E-08
414	470414.92	3819034.47	6.94E-08	2.69E-07	3.57E-09	3.42E-07	5.78E-08	1.98E-07	2.56E-09	2.58E-07	6.55E-09	3.46E-08	6.08E-10	4.18E-08	5.96E-09	1.81E-08	1.84E-10	2.43E-08
415	470423.6	3819038.2	6.80E-08	2.64E-07	3.50E-09	3.35E-07	5.67E-08	1.94E-07	2.51E-09	2.53E-07	6.42E-09	3.40E-08	5.96E-10	4.10E-08	5.84E-09	1.78E-08	1.80E-10	2.38E-08
416	470432.28	3819041.92	6.67E-08	2.59E-07	3.43E-09	3.29E-07	5.56E-08	1.90E-07	2.46E-09	2.48E-07	6.30E-09	3.33E-08	5.85E-10	4.02E-08	5.73E-09	1.74E-08	1.77E-10	2.33E-08
417	470440.96	3819045.65	6.53E-08	2.53E-07	3.36E-09	3.22E-07	5.44E-08	1.86E-07	2.41E-09	2.43E-07	6.17E-09	3.26E-08	5.72E-10	3.94E-08	5.61E-09	1.71E-08	1.73E-10	2.29E-08
418	470275.18	3818978.46	1.04E-07	4.04E-07	5.36E-09	5.14E-07	8.68E-08	2.97E-07	3.84E-09	3.88E-07	9.84E-09	5.20E-08	9.13E-10	6.28E-08	8.95E-09	2.72E-08	2.76E-10	3.65E-08
419	470265.62	3818978.33	1.08E-07	4.19E-07	5.55E-09	5.32E-07	8.99E-08	3.08E-07	3.98E-09	4.02E-07	1.02E-08	5.39E-08	9.46E-10	6.50E-08	9.27E-09	2.82E-08	2.86E-10	3.78E-08
420	470256.05	3818978.19	1.12E-07	4.32E-07	5.73E-09	5.50E-07	9.29E-08	3.18E-07	4.11E-09	4.15E-07	1.05E-08	5.57E-08	9.77E-10	6.72E-08	9.57E-09	2.91E-08	2.96E-10	3.90E-08
421	470246.49	3818978.06	1.15E-07	4.45E-07	5.90E-09	5.66E-07	9.56E-08	3.27E-07	4.24E-09	4.27E-07	1.08E-08	5.73E-08	1.01E-09	6.92E-08	9.86E-09	3.00E-08	3.04E-10	4.02E-08
422	470236.93	3818977.92	1.18E-07	4.57E-07	6.06E-09	5.81E-07	9.82E-08	3.36E-07	4.35E-09	4.38E-07	1.11E-08	5.89E-08	1.03E-09	7.10E-08	1.01E-08	3.08E-08	3.12E-10	4.12E-08
423	470227.37	3818977.79	1.21E-07	4.68E-07	6.20E-09	5.95E-07	1.00E-07	3.44E-07	4.45E-09	4.49E-07	1.14E-08	6.02E-08	1.06E-09	7.27E-08	1.04E-08	3.15E-08	3.20E-10	4.22E-08
424	470217.8	3818977.65	1.23E-07	4.77E-07	6.32E-09	6.06E-07	1.02E-07	3.50E-07	4.53E-09	4.57E-07	1.16E-08	6.14E-08	1.08E-09	7.41E-08	1.06E-08	3.21E-08	3.26E-10	4.30E-08
425	470208.24	3818977.52	1.25E-07	4.84E-07	6.42E-09	6.16E-07	1.04E-07	3.56E-07	4.61E-09	4.65E-07	1.18E-08	6.23E-08	1.09E-09	7.52E-08	1.07E-08	3.26E-08	3.31E-10	4.37E-08
426	470198.68	3818977.38	1.26E-07	4.90E-07	6.49E-09	6.23E-07	1.05E-07	3.60E-07	4.66E-09	4.70E-07	1.19E-08	6.31E-08	1.11E-09	7.61E-08	1.08E-08	3.30E-08	3.35E-10	4.42E-08
427	470189.12	3818977.25	1.27E-07	4.94E-07	6.55E-09	6.28E-07	1.06E-07	3.63E-07	4.70E-09	4.74E-07	1.20E-08	6.36E-08	1.12E-09	7.68E-08	1.09E-08	3.33E-08	3.38E-10	4.46E-08
428	470160.43	3818976.84	1.28E-07	4.95E-07	6.56E-09	6.29E-07	1.06E-07	3.64E-07	4.71E-09	4.75E-07	1.21E-08	6.37E-08	1.12E-09	7.69E-08	1.10E-08	3.34E-08	3.38E-10	4.47E-08
429	470150.87	3818976.71	1.27E-07	4.92E-07	6.51E-09	6.25E-07	1.06E-07	3.61E-07	4.67E-09	4.72E-07	1.20E-08	6.33E-08	1.11E-09	7.64E-08	1.09E-08	3.31E-08	3.36E-10	4.44E-08
430	470141.31	3818976.57	1.25E-07	4.87E-07	6.45E-09	6.18E-07	1.05E-07	3.58E-07	4.63E-09	4.67E-07	1.18E-08	6.26E-08	1.10E-09	7.56E-08	1.08E-08	3.28E-08	3.33E-10	4.39E-08
431	470131.74	3818976.44	1.24E-07	4.79E-07	6.35E-09	6.09E-07	1.03E-07	3.52E-07	4.56E-09	4.60E-07	1.17E-08	6.17E-08	1.08E-09	7.45E-08	1.06E-08	3.23E-08	3.28E-10	4.33E-08
432	470122.18	3818976.3	1.21E-07	4.71E-07	6.24E-09	5.99E-07	1.01E-07	3.46E-07	4.48E-09	4.52E-07	1.15E-08	6.06E-08	1.06E-09	7.32E-08	1.04E-08	3.17E-08	3.22E-10	4.25E-08
433	470112.62	3818976.17	1.19E-07	4.61E-07	6.11E-09	5.86E-07	9.90E-08	3.39E-07	4.39E-09	4.42E-07	1.12E-08	5.94E-08	1.04E-09	7.16E-08	1.02E-08	3.11E-08	3.15E-10	4.16E-08
434	470319.16	3818973.25	8.43E-08	3.27E-07	4.33E-09	4.16E-07	7.02E-08	2.40E-07	3.11E-09	3.14E-07	7.96E-09	4.21E-08	7.39E-10	5.08E-08	7.24E-09	2.20E-08	2.24E-10	2.95E-08
435	470327.69	3818976.91	8.26E-08	3.20E-07	4.24E-09	4.07E-07	6.88E-08	2.35E-07	3.05E-09	3.07E-07	7.80E-09	4.12E-08	7.24E-10	4.97E-08	7.09E-09	2.16E-08	2.19E-10	2.89E-08
436	470336.22	3818980.57	8.07E-08	3.13E-07	4.15E-09	3.98E-07	6.72E-08	2.30E-07	2.98E-09	3.00E-07	7.62E-09	4.03E-08	7.07E-10	4.86E-08	6.93E-09	2.11E-08	2.14E-10	2.82E-08
437	470344.76	3818984.24	7.89E-08	3.06E-07	4.05E-09	3.89E-07	6.57E-08	2.25E-07	2.91E-09	2.93E-07	7.45E-09	3.94E-08	6.91E-10	4.75E-08	6.77E-09	2.06E-08	2.09E-10	2.76E-08
438	470353.29	3818987.9	7.69E-08	2.98E-07	3.95E-09	3.79E-07	6.40E-08	2.19E-07	2.84E-09	2.86E-07	7.26E-09	3.84E-08	6.74E-10	4.63E-08	6.60E-09	2.01E-08	2.04E-10	2.69E-08
439	470361.82	3818991.56	7.49E-08	2.90E-07	3.85E-09	3.69E-07	6.24E-08	2.13E-07	2.76E-09	2.79E-07	7.07E-09	3.74E-08	6.56E-10	4.51E-08	6.43E-09	1.96E-08	1.98E-10	2.62E-08
440	470370.36	3818995.22	7.29E-08	2.83E-07	3.74E-09	3.59E-07	6.07E-08	2.08E-07	2.69E-09	2.71E-07	6.88E-09	3.64E-08	6.38E-10	4.39E-08	6.25E-09	1.90E-08	1.93E-10	2.55E-08
441	470378.89	3818998.89	7.09E-08	2.75E-07	3.64E-09	3.49E-07	5.90E-08	2.02E-07	2.61E-09	2.64E-07	6.69E-09	3.54E-08	6.21E-10	4.27E-08	6.09E-09	1.85E-08	1.88E-10	2.48E-08
442	470387.42	3819002.55	6.90E-08	2.67E-07	3.54E-09	3.40E-07	5.74E-08	1.97E-07	2.54E-09	2.56E-07	6.51E-09	3.44E-08	6.04E-10	4.15E-08	5.92E-09	1.80E-08	1.83E-10	2.41E-08
443	470395.96	3819006.21	6.71E-08	2.60E-07	3.45E-09	3.31E-07	5.59E-08	1.91E-07	2.47E-09	2.50E-07	6.33E-09	3.35E-08	5.88E-10	4.04E-08	5.76E-09	1.75E-08	1.78E-10	2.35E-08
444	470404.49	3819009.88	6.53E-08	2.53E-07	3.36E-09	3.22E-07	5.44E-08	1.86E-07	2.41E-09	2.43E-07	6.17E-09	3.26E-08	5.72E-10	3.93E-08	5.61E-09	1.71E-08	1.73E-10	2.29E-08
445	470413.03	3819013.54	6.36E-08	2.47E-07	3.27E-09	3.14E-07	5.30E-08	1.81E-07	2.35E-09	2.37E-07	6.01E-09	3.18E-08	5.57E-10	3.83E-08	5.46E-09	1.66E-08	1.69E-10	2.23E-08
446	470421.56	3819017.2	6.20E-08	2.41E-07	3.19E-09	3.06E-07	5.17E-08	1.77E-07	2.29E-09	2.31E-07	5.86E-09	3.10E-08	5.44E-10	3.74E-08	5.32E-09	1.62E-08	1.64E-10	2.17E-08
447	470430.09	3819020.86	6.06E-08	2.35E-07	3.12E-09	2.99E-07	5.05E-08	1.73E-07	2.24E-09	2.26E-07	5.73E-09	3.03E-08	5.31E-10	3.65E-08	5.21E-09	1.59E-08	1.61E-10	2.12E-08
448	470438.63	3819024.53	5.94E-08	2.31E-07	3.05E-09	2.93E-07	4.95E-08	1.69E-07	2.19E-09	2.21E-07	5.61E-09	2.97E-08	5.21E-10	3.58E-08	5.10E-09	1.55E-08	1.58E-10	2.08E-08
449	470554.12	3819223.74	1.30E-07	5.06E-07	6.70E-09	6.43E-07	1.09E-07	3.72E-07	4.81E-09	4.85E-07	1.23E-08	6.51E-08	1.14E-09	7.85E-08	1.12E-08	3.41E-08	3.46E-10	4.56E-08
450	470557.59	3819232.36	1.35E-07	5.22E-07	6.91E-09	6.63E-07	1.12E-07	3.83E-07	4.96E-09	5.01E-07	1.27E-08	6.72E-08	1.18E-09	8.11E-08	1.16E-08	3.52E-08	3.57E-10	4.71E-08
451	470275.46	3818958.46	9.35E-08	3.63E-07	4.80E-09	4.61E-07	7.79E-08	2.66E-07	3.45E-09	3.48E-07	8.83E-09	4.67E-08	8.19E-10	5.63E-08	8.03E-09	2.44E-08	2.48E-10	3.27E-08
452	470265.9	3818958.33	9.67E-08	3.75E-07	4.97E-09	4.76E-07	8.05E-08	2.75E-07	3.56E-09	3.60E-07	9.13E-09	4.83E-08	8.47E-10	5.82E-08	8.30E-09	2.53E-08	2.56E-10	3.38E-08
453	470256.34	3818958.19	9.96E-08	3.86E-07	5.12E-09	4.91E-07	8.30E-08	2.84E-07	3.67E-09	3.71E-07	9.41E-09	4.97E-08	8.73E-10	6.00E-08	8.55E-09	2.60E-08	2.64E-10	3.49E-08
454	470246.77	3818958.06	1.02E-07	3.97E-07	5.26E-09	5.05E-07	8.53E-08	2.92E-07	3.78E-09	3.81E-07	9.67E-09	5.12E-08	8.98E-10	6.17E-08	8.80E-09	2.68E-08	2.72E-10	3.58E-08
455	470237.21	3818957.92	1.05E-07	4.07E-07	5.40E-09	5.18E-07	8.75E-08	2.99E-07	3.87E-09	3.91E-07	9.92E-09	5.24E-08	9.20E-10	6.33E-08	9.02E-09	2.75E-08	2.78E-10	3.68E-08
456	470227.65	3818957.79	1.07E-07	4.16E-07	5.52E-09	5.29E-07	8.94E-08	3.06E-07	3.96E-09	3.99E-07	1.01E-08	5.36E-08	9.41E-10	6.47E-08	9.21E-09	2.81E-08	2.85E-10	3.76E-08
457	470218.09	3818957.65	1.09E-07	4.24E-07	5.62E-09	5.39E-07	9.11E-08	3.12E-07	4.03E-09	4.07E-07	1.03E-08	5.46E-08	9.58E-10	6.59E-08	9.39E-09	2.86E-08	2.90E-10	3.83E-08
458	470208.52	3818957.52	1.11E-07	4.30E-07	5.70E-09	5.47E-07	9.25E-08	3.16E-07	4.09E-09	4.13E-07	1.05E-08	5.54E-08	9.73E-10	6.69E-08	9.53E-09	2.90E-08	2.94E-10	3.88E-08
459	470198.96	3818957.38	1.12E-07	4.36E-07	5.77E-09	5.54E-07	9.35E-08	3.20E-07	4.14E-09	4.18E-07	1.06E-08	5.61E-08	9.84E-10	6.77E-08	9.64E-09	2.94E-08	2.98E-10	3.93E-08
460	470189.4	3818957.25	1.13E-07	4.39E-07	5.82E-09	5.58E-07	9.43E-08	3.23E-07	4.18E-09	4.21E-07	1.07E-08	5.65E-08	9.92E-10	6.82E-08	9.72E-09	2.96E-08	3.00E-10	3.96E-08
461	470160.71	3818956.84	1.14E-07	4.41E-07	5.84E-09	5.60E-07	9.46E-08	3.24E-07	4.19E-09	4.23E-07	1.07E-08	5.67E-08	9.96E-10	6.85E-08	9.75E-09	2.97E-08	3.01E-10	3.98E-08
462	470151.15	3818956.71	1.13E-07	4.38E-07	5.80E-09	5.57E-07	9.41E-08	3.22E-07	4.17E-09	4.20E-07	1.07E-08	5.64E-08	9.90E-10	6.81E-08	9.70E-09	2.95E-08	3.00E-10	3.95E-08
463	470141.59	3818956.57	1.12E-07	4.34E-07	5.75E-09	5.52E-07	9.33E-08	3.19E-07	4.13E-09	4.17E-07	1.06E-08	5.59E-08	9.81E-10	6.75E-08	9.61E-09	2.93E-08	2.97E-10	3.92E-08
464	470132.03	3818956.44	1.11E-07	4.29E-07	5.68E-09	5.45E-07	9.21E-08	3.15E-07	4.08E-09	4.12E-07	1.04E-08	5.52E-08	9.69E-10	6.67E-08	9.50E-09	2.89E-08	2.93E-10	3.87E-08
465	470122.46	3818956.3	1.09E-07	4.23E-07	5.60E-09	5.37E-07	9.08E-08	3.11E-07	4.02E-09	4.05E-07	1.03E-08	5.44E-08	9.55E-10	6.57E-08	9.36E-09	2.85E-08	2.89E-10	3.81E-08
466	470112.9	3818956.17	1.07E-07	4.15E-07	5.50E-09	5.28E-07	8.92E-08	3.05E-07	3.95E-09	3.98E-07	1.01E-08	5.34E-08	9.38E-10	6.45E-08	9.19E-09	2.80E-08	2.84E-10	3.75E-08
467	470320.35	3818953.64	7.60E-08	2.95E-07	3.91E-09	3.75E-07	6.33E-08	2.17E-07	2.80E-09	2.83E-07	7.18E-09	3.80E-08	6.66E-10	4.58E-08	6.53E-09	1.99E-08	2.02E-10	2.66E-08
468	470329.12	3818957.4	7.44E-08	2.89E-07	3.82E-09	3.67E-07	6.20E-08	2.12E-07	2.74E-09	2.77E-07	7.03E-09	3.71E-08	6.52E-10	4.48E-08	6.39E-09	1.94E-08	1.97E-10	2.60E-08
469	470337.88	3818961.16	7.28E-08	2.82E-07	3.74E-09	3.59E-07	6.06E-08	2.07E-07	2.68E-09	2.71E-07	6.87E-09	3.63E-08	6.38E-10	4.38E-08	6.25E-09	1.90E-08	1.93E-10	2.55E-08
470	470346.64	3818964.93	7.11E-08	2.76E-07	3.65E-09	3.50E-07	5.92E-08	2.03E-07	2.62E-09	2.64E-07	6.71E-09	3.55E-08	6.23E-10	4.28E-08	6.10E-09	1.86E-08	1.88E-10	2.49E-08
471	470355.4	3818968.69	6.94E-08	2.69E-07	3.56E-09	3.42E-07	5.78E-08	1.98E-07	2.56E-09	2.58E-07	6.55E-09	3.46E-08	6.08E-10	4.18E-08	5.96E-09	1.81E-08	1.84E-10	2.43E-08
472	470364.16	3818972.45	6.77E-08	2.62E-07	3.48E-09	3.34E-07	5.64E-08	1.93E-07	2.50E-09	2.52E-07	6.39E-09	3.38E-08	5.93E-10	4.08E-08	5.81E-09	1.77E-08	1.79E-10	2.37E-08
473	470372.93	3818976.21	6.59E-08	2.56E-07	3.39E-09	3.25E-07	5.49E-08	1.88E-07	2.43E-09	2.45E-07	6.23E-09	3.29E-08	5.78E-10	3.97E-08	5.66E-09	1.72E-08	1.75E-10	2.31E-08
474	470381.69	3818979.97	6.43E-08	2.49E-07	3.30E-09	3.17E-07	5.35E-08	1.83E-07	2.37E-09	2.39E-07	6.07E-09	3.21E-08	5.63E-10	3.87E-08	5.52E-09	1.68E-08	1.70E-10	2.25E-08
475	470390.45	3818983.73	6.26E-08	2.43E-07	3.22E-09	3.09E-07	5.22E-08	1.79E-07	2.31E-09	2.33E-07	5.92E-09	3.13E-08	5.49E-10	3.77E-08	5.38E-09	1.64E-08	1.66E-10	2.19E-08
476	470399.21	3818987.49	6.10E-08	2.37E-07	3.13E-09	3.01E-07	5.08E-08	1.74E-07	2.25E-09	2.27E-07	5.76E-09	3.04E-08	5.34E-10	3.67E-08	5.24E-09	1.59E-08	1.62E-10	2.13E-08

477	470407.97	3818991.25	5.93E-08	2.30E-07	3.05E-09	2.93E-07	4.94E-08	1.69E-07	2.19E-09	2.21E-07	5.60E-09	2.96E-08	5.20E-10	3.58E-08	5.09E-09	1.55E-08	1.57E-10	2.08E-08
478	470416.74	3818995.01	5.78E-08	2.24E-07	2.97E-09	2.85E-07	4.81E-08	1.65E-07	2.13E-09	2.15E-07	5.46E-09	2.88E-08	5.06E-10	3.48E-08	4.96E-09	1.51E-08	1.53E-10	2.02E-08
479	470425.5	3818998.77	5.63E-08	2.18E-07	2.89E-09	2.77E-07	4.69E-08	1.60E-07	2.08E-09	2.09E-07	5.32E-09	2.81E-08	4.93E-10	3.39E-08	4.83E-09	1.47E-08	1.49E-10	1.97E-08
480	470434.26	3819002.53	5.49E-08	2.13E-07	2.82E-09	2.71E-07	4.57E-08	1.56E-07	2.02E-09	2.04E-07	5.18E-09	2.74E-08	4.81E-10	3.31E-08	4.71E-09	1.44E-08	1.46E-10	1.92E-08
481	470534.77	3819126.16	7.52E-08	2.92E-07	3.86E-09	3.71E-07	6.26E-08	2.14E-07	2.77E-09	2.80E-07	7.10E-09	3.75E-08	6.59E-10	4.53E-08	6.45E-09	1.97E-08	1.99E-10	2.63E-08
482	470538.33	3819135	7.88E-08	3.06E-07	4.05E-09	3.88E-07	6.56E-08	2.25E-07	2.91E-09	2.93E-07	7.44E-09	3.93E-08	6.90E-10	4.75E-08	6.76E-09	2.06E-08	2.09E-10	2.76E-08
483	470541.89	3819143.85	8.26E-08	3.20E-07	4.24E-09	4.07E-07	6.88E-08	2.35E-07	3.05E-09	3.07E-07	7.80E-09	4.12E-08	7.24E-10	4.98E-08	7.09E-09	2.16E-08	2.19E-10	2.89E-08
484	470545.45	3819152.69	8.65E-08	3.36E-07	4.45E-09	4.27E-07	7.21E-08	2.47E-07	3.19E-09	3.22E-07	8.17E-09	4.32E-08	7.58E-10	5.21E-08	7.43E-09	2.26E-08	2.29E-10	3.03E-08
485	470549.01	3819161.54	9.06E-08	3.51E-07	4.65E-09	4.46E-07	7.54E-08	2.58E-07	3.34E-09	3.37E-07	8.55E-09	4.52E-08	7.94E-10	5.46E-08	7.77E-09	2.37E-08	2.40E-10	3.17E-08
486	470552.57	3819170.38	9.47E-08	3.67E-07	4.86E-09	4.67E-07	7.89E-08	2.70E-07	3.49E-09	3.52E-07	8.94E-09	4.73E-08	8.30E-10	5.70E-08	8.13E-09	2.48E-08	2.51E-10	3.31E-08
487	470556.13	3819179.23	9.88E-08	3.83E-07	5.08E-09	4.87E-07	8.23E-08	2.82E-07	3.65E-09	3.68E-07	9.33E-09	4.94E-08	8.66E-10	5.96E-08	8.49E-09	2.58E-08	2.62E-10	3.46E-08
488	470559.69	3819188.07	1.03E-07	4.00E-07	5.29E-09	5.08E-07	8.58E-08	2.94E-07	3.80E-09	3.83E-07	9.73E-09	5.14E-08	9.03E-10	6.21E-08	8.84E-09	2.69E-08	2.73E-10	3.61E-08
489	470563.25	3819196.92	1.07E-07	4.16E-07	5.51E-09	5.28E-07	8.93E-08	3.06E-07	3.95E-09	3.99E-07	1.01E-08	5.35E-08	9.39E-10	6.46E-08	9.20E-09	2.80E-08	2.84E-10	3.75E-08
490	470566.81	3819205.76	1.11E-07	4.32E-07	5.72E-09	5.49E-07	9.27E-08	3.17E-07	4.11E-09	4.14E-07	1.05E-08	5.56E-08	9.76E-10	6.71E-08	9.56E-09	2.91E-08	2.95E-10	3.90E-08
491	470570.38	3819214.61	1.15E-07	4.47E-07	5.93E-09	5.69E-07	9.61E-08	3.29E-07	4.25E-09	4.29E-07	1.09E-08	5.76E-08	1.01E-09	6.95E-08	9.90E-09	3.02E-08	3.06E-10	4.04E-08
492	470573.94	3819223.45	1.19E-07	4.62E-07	6.13E-09	5.88E-07	9.93E-08	3.40E-07	4.40E-09	4.43E-07	1.13E-08	5.95E-08	1.04E-09	7.18E-08	1.02E-08	3.12E-08	3.16E-10	4.17E-08
493	470577.5	3819232.3	1.23E-07	4.77E-07	6.32E-09	6.06E-07	1.02E-07	3.50E-07	4.53E-09	4.57E-07	1.16E-08	6.14E-08	1.08E-09	7.41E-08	1.06E-08	3.21E-08	3.26E-10	4.30E-08
494	470275.74	3818938.46	8.43E-08	3.27E-07	4.33E-09	4.16E-07	7.02E-08	2.40E-07	3.11E-09	3.14E-07	7.96E-09	4.21E-08	7.39E-10	5.08E-08	7.24E-09	2.20E-08	2.24E-10	2.95E-08
495	470266.18	3818938.33	8.70E-08	3.37E-07	4.47E-09	4.29E-07	7.25E-08	2.48E-07	3.21E-09	3.24E-07	8.22E-09	4.34E-08	7.63E-10	5.24E-08	7.47E-09	2.27E-08	2.31E-10	3.04E-08
496	470256.62	3818938.19	8.96E-08	3.47E-07	4.60E-09	4.42E-07	7.46E-08	2.55E-07	3.30E-09	3.33E-07	8.46E-09	4.47E-08	7.85E-10	5.40E-08	7.69E-09	2.34E-08	2.37E-10	3.13E-08
497	470247.06	3818938.06	9.20E-08	3.57E-07	4.73E-09	4.53E-07	7.66E-08	2.62E-07	3.39E-09	3.42E-07	8.68E-09	4.59E-08	8.06E-10	5.54E-08	7.89E-09	2.40E-08	2.44E-10	3.22E-08
498	470237.49	3818937.92	9.42E-08	3.65E-07	4.84E-09	4.64E-07	7.84E-08	2.68E-07	3.47E-09	3.50E-07	8.89E-09	4.70E-08	8.25E-10	5.67E-08	8.08E-09	2.46E-08	2.50E-10	3.29E-08
499	470227.93	3818937.79	9.61E-08	3.73E-07	4.94E-09	4.74E-07	8.01E-08	2.74E-07	3.55E-09	3.58E-07	9.08E-09	4.80E-08	8.42E-10	5.79E-08	8.25E-09	2.51E-08	2.55E-10	3.36E-08
500	470218.37	3818937.65	9.79E-08	3.80E-07	5.03E-09	4.82E-07	8.15E-08	2.79E-07	3.61E-09	3.64E-07	9.24E-09	4.89E-08	8.58E-10	5.90E-08	8.40E-09	2.56E-08	2.59E-10	3.42E-08
501	470208.81	3818937.52	9.93E-08	3.85E-07	5.10E-09	4.90E-07	8.27E-08	2.83E-07	3.66E-09	3.69E-07	9.38E-09	4.96E-08	8.70E-10	5.98E-08	8.52E-09	2.60E-08	2.63E-10	3.47E-08
502	470199.24	3818937.38	1.00E-07	3.90E-07	5.16E-09	4.95E-07	8.37E-08	2.86E-07	3.70E-09	3.74E-07	9.48E-09	5.01E-08	8.80E-10	6.05E-08	8.62E-09	2.63E-08	2.66E-10	3.51E-08
503	470189.68	3818937.25	1.01E-07	3.93E-07	5.20E-09	4.99E-07	8.44E-08	2.89E-07	3.73E-09	3.77E-07	9.56E-09	5.06E-08	8.87E-10	6.10E-08	8.69E-09	2.65E-08	2.68E-10	3.54E-08
504	470161	3818936.84	1.02E-07	3.95E-07	5.23E-09	5.02E-07	8.48E-08	2.90E-07	3.75E-09	3.79E-07	9.61E-09	5.08E-08	8.92E-10	6.13E-08	8.74E-09	2.66E-08	2.70E-10	3.56E-08
505	470151.43	3818936.71	1.01E-07	3.93E-07	5.21E-09	4.99E-07	8.44E-08	2.89E-07	3.74E-09	3.77E-07	9.57E-09	5.06E-08	8.88E-10	6.10E-08	8.70E-09	2.65E-08	2.69E-10	3.54E-08
506	470141.87	3818936.57	1.01E-07	3.90E-07	5.17E-09	4.96E-07	8.37E-08	2.86E-07	3.71E-09	3.74E-07	9.49E-09	5.02E-08	8.81E-10	6.06E-08	8.63E-09	2.63E-08	2.66E-10	3.52E-08
507	470132.31	3818936.44	9.95E-08	3.86E-07	5.11E-09	4.90E-07	8.28E-08	2.83E-07	3.67E-09	3.70E-07	9.39E-09	4.97E-08	8.72E-10	5.99E-08	8.54E-09	2.60E-08	2.64E-10	3.48E-08
508	470122.75	3818936.3	9.81E-08	3.81E-07	5.04E-09	4.84E-07	8.17E-08	2.80E-07	3.62E-09	3.65E-07	9.27E-09	4.90E-08	8.60E-10	5.91E-08	8.42E-09	2.57E-08	2.60E-10	3.43E-08
509	470113.18	3818936.17	9.66E-08	3.75E-07	4.96E-09	4.76E-07	8.04E-08	2.75E-07	3.56E-09	3.59E-07	9.12E-09	4.82E-08	8.46E-10	5.82E-08	8.29E-09	2.52E-08	2.56E-10	3.38E-08
510	470319.92	3818913.22	6.36E-08	2.47E-07	3.27E-09	3.14E-07	5.30E-08	1.81E-07	2.35E-09	2.37E-07	6.01E-09	3.18E-08	5.57E-10	3.83E-08	5.46E-09	1.66E-08	1.69E-10	2.23E-08
511	470328.43	3818916.87	6.24E-08	2.42E-07	3.21E-09	3.08E-07	5.20E-08	1.78E-07	2.30E-09	2.32E-07	5.89E-09	3.12E-08	5.47E-10	3.76E-08	5.36E-09	1.63E-08	1.65E-10	2.18E-08
512	470336.94	3818920.52	6.12E-08	2.37E-07	3.14E-09	3.02E-07	5.10E-08	1.74E-07	2.26E-09	2.28E-07	5.78E-09	3.06E-08	5.36E-10	3.69E-08	5.25E-09	1.60E-08	1.62E-10	2.14E-08
513	470345.45	3818924.18	5.99E-08	2.32E-07	3.08E-09	2.95E-07	4.99E-08	1.71E-07	2.21E-09	2.23E-07	5.66E-09	2.99E-08	5.25E-10	3.61E-08	5.14E-09	1.57E-08	1.59E-10	2.10E-08
514	470353.96	3818927.83	5.86E-08	2.27E-07	3.01E-09	2.89E-07	4.88E-08	1.67E-07	2.16E-09	2.18E-07	5.54E-09	2.93E-08	5.14E-10	3.53E-08	5.03E-09	1.53E-08	1.55E-10	2.05E-08
515	470362.48	3818931.48	5.73E-08	2.22E-07	2.94E-09	2.82E-07	4.77E-08	1.63E-07	2.11E-09	2.13E-07	5.41E-09	2.86E-08	5.02E-10	3.45E-08	4.92E-09	1.50E-08	1.52E-10	2.00E-08
516	470370.99	3818935.14	5.59E-08	2.17E-07	2.87E-09	2.76E-07	4.66E-08	1.59E-07	2.06E-09	2.08E-07	5.28E-09	2.79E-08	4.90E-10	3.37E-08	4.80E-09	1.46E-08	1.48E-10	1.96E-08
517	470379.5	3818938.79	5.46E-08	2.12E-07	2.81E-09	2.69E-07	4.55E-08	1.56E-07	2.01E-09	2.03E-07	5.16E-09	2.73E-08	4.78E-10	3.29E-08	4.69E-09	1.43E-08	1.45E-10	1.91E-08
518	470388.01	3818942.44	5.33E-08	2.07E-07	2.74E-09	2.63E-07	4.44E-08	1.52E-07	1.97E-09	1.98E-07	5.04E-09	2.66E-08	4.67E-10	3.21E-08	4.58E-09	1.39E-08	1.41E-10	1.87E-08
519	470396.52	3818946.1	5.21E-08	2.02E-07	2.68E-09	2.57E-07	4.34E-08	1.49E-07	1.92E-09	1.94E-07	4.92E-09	2.60E-08	4.57E-10	3.14E-08	4.47E-09	1.36E-08	1.38E-10	1.82E-08
520	470405.03	3818949.75	5.10E-08	1.98E-07	2.62E-09	2.51E-07	4.25E-08	1.45E-07	1.88E-09	1.90E-07	4.81E-09	2.55E-08	4.47E-10	3.07E-08	4.38E-09	1.33E-08	1.35E-10	1.78E-08
521	470413.55	3818953.4	4.99E-08	1.93E-07	2.56E-09	2.46E-07	4.15E-08	1.42E-07	1.84E-09	1.85E-07	4.71E-09	2.49E-08	4.37E-10	3.00E-08	4.28E-09	1.30E-08	1.32E-10	1.74E-08
522	470422.06	3818957.06	4.87E-08	1.89E-07	2.50E-09	2.40E-07	4.05E-08	1.39E-07	1.80E-09	1.81E-07	4.60E-09	2.43E-08	4.27E-10	2.93E-08	4.18E-09	1.27E-08	1.29E-10	1.70E-08
523	470551.87	3819069.64	5.05E-08	1.96E-07	2.59E-09	2.49E-07	4.20E-08	1.44E-07	1.86E-09	1.88E-07	4.77E-09	2.52E-08	4.42E-10	3.04E-08	4.33E-09	1.32E-08	1.34E-10	1.77E-08
524	470555.33	3819078.23	5.25E-08	2.04E-07	2.70E-09	2.59E-07	4.37E-08	1.50E-07	1.94E-09	1.95E-07	4.96E-09	2.62E-08	4.60E-10	3.16E-08	4.51E-09	1.37E-08	1.39E-10	1.84E-08
525	470558.79	3819086.82	5.47E-08	2.12E-07	2.81E-09	2.70E-07	4.56E-08	1.56E-07	2.02E-09	2.04E-07	5.17E-09	2.73E-08	4.79E-10	3.30E-08	4.70E-09	1.43E-08	1.45E-10	1.91E-08
526	470562.25	3819095.41	5.71E-08	2.21E-07	2.93E-09	2.81E-07	4.75E-08	1.63E-07	2.10E-09	2.12E-07	5.39E-09	2.85E-08	5.00E-10	3.44E-08	4.90E-09	1.49E-08	1.51E-10	2.00E-08
527	470565.71	3819104.01	5.96E-08	2.31E-07	3.06E-09	2.94E-07	4.96E-08	1.70E-07	2.20E-09	2.22E-07	5.62E-09	2.97E-08	5.22E-10	3.59E-08	5.11E-09	1.56E-08	1.58E-10	2.08E-08
528	470569.17	3819112.6	6.22E-08	2.41E-07	3.19E-09	3.06E-07	5.18E-08	1.77E-07	2.29E-09	2.31E-07	5.87E-09	3.10E-08	5.45E-10	3.74E-08	5.34E-09	1.62E-08	1.65E-10	2.17E-08
529	470572.63	3819121.19	6.49E-08	2.52E-07	3.33E-09	3.20E-07	5.40E-08	1.85E-07	2.39E-09	2.41E-07	6.13E-09	3.24E-08	5.69E-10	3.91E-08	5.57E-09	1.70E-08	1.72E-10	2.27E-08
530	470576.09	3819129.78	6.77E-08	2.63E-07	3.48E-09	3.34E-07	5.64E-08	1.93E-07	2.50E-09	2.52E-07	6.39E-09	3.38E-08	5.93E-10	4.08E-08	5.81E-09	1.77E-08	1.79E-10	2.37E-08
531	470579.55	3819138.38	7.06E-08	2.74E-07	3.63E-09	3.48E-07	5.88E-08	2.01E-07	2.61E-09	2.63E-07	6.67E-09	3.53E-08	6.19E-10	4.26E-08	6.06E-09	1.85E-08	1.87E-10	2.47E-08
532	470583.01	3819146.97	7.37E-08	2.86E-07	3.79E-09	3.63E-07	6.14E-08	2.10E-07	2.72E-09	2.74E-07	6.96E-09	3.68E-08	6.46E-10	4.44E-08	6.32E-09	1.93E-08	1.95E-10	2.58E-08
533	470586.46	3819155.56	7.68E-08	2.98E-07	3.94E-09	3.78E-07	6.39E-08	2.19E-07	2.83E-09	2.86E-07	7.25E-09	3.83E-08	6.73E-10	4.62E-08	6.59E-09	2.01E-08	2.03E-10	2.69E-08
534	470589.92	3819164.15	7.99E-08	3.10E-07	4.10E-09	3.94E-07	6.65E-08	2.28E-07	2.95E-09	2.97E-07	7.54E-09	3.99E-08	7.00E-10	4.81E-08	6.86E-09	2.09E-08	2.12E-10	2.80E-08
535	470593.38	3819172.75	8.31E-08	3.22E-07	4.27E-09	4.09E-07	6.92E-08	2.37E-07	3.06E-09	3.09E-07	7.84E-09	4.15E-08	7.28E-10	5.00E-08	7.13E-09	2.17E-08	2.20E-10	2.91E-08
536	470596.84	3819181.34	8.62E-08	3.34E-07	4.43E-09	4.25E-07	7.18E-08	2.46E-07	3.18E-09	3.21E-07	8.14E-09	4.30E-08	7.55E-10	5.19E-08	7.40E-09	2.25E-08	2.29E-10	3.02E-08
537	470276.31	3818898.47	6.92E-08	2.68E-07	3.55E-09	3.41E-07	5.76E-08	1.97E-07	2.55E-09	2.57E-07	6.53E-09	3.45E-08	6.06E-10	4.17E-08	5.94E-09	1.81E-08	1.83E-10	2.42E-08
538	470266.75	3818898.33	7.12E-08	2.76E-07	3.66E-09	3.51E-07	5.93E-08	2.03E-07	2.63E-09	2.65E-07	6.72E-09	3.55E-08	6.24E-10	4.29E-08	6.11E-09	1.86E-08	1.89E-10	2.49E-08
539	470257.18	3818898.2	7.31E-08	2.83E-07	3.75E-09	3.60E-07	6.09E-08	2.08E-07	2.70E-09	2.72E-07	6.90E-09	3.65E-08	6.40E-10	4.40E-08	6.27E-09	1.91E-08	1.94E-10	2.56E-08
540	470247.62	3818898.06	7.49E-08	2.90E-07	3.85E-09	3.69E-07	6.24E-08	2.13E-07	2.76E-09	2.78E-07	7.07E-09	3.74E-08	6.56E-10	4.51E-08	6.43E-09	1.96E-08	1.98E-10	2.62E-08
541	470238.06	3818897.93	7.65E-08	2.97E-07	3.93E-09	3.77E-07	6.37E-08	2.18E-07	2.82E-09	2.85E-07	7.22E-09	3.82E-08	6.70E-10	4.61E-08	6.57E-09	2.00E-08	2.03E-10	2.68E-08
542	470228.5	3818897.79	7.80E-08	3.02E-07	4.01E-09	3.84E-07	6.50E-08	2.22E-07	2.88E-09	2.90E-07	7.37E-09	3.89E-08	6.83E-10	4.70E-08	6.70E-09	2.04E-08	2.07E-10	2.73E-08
543	470218.93	3818897.66	7.93E-08	3.08E-07	4.07E-09	3.91E-07	6.61E-08	2.26E-07	2.92E-09	2.95E-07	7.49E-09	3.96E-08	6.95E-10	4.78E-08	6.81E-09	2.07E-08	2.10E-10	2.78E-08
544	470209.37	3818897.52	8.04E-08	3.12E-07	4.13E-09	3.96E-07	6.70E-08	2.29E-07	2.97E-09	2.99E-07	7.59E-09	4.01E-08	7.05E-10	4.84E-08	6.90E-09	2.10E-08	2.13E-10	2.81E-08
545	470199.81	3818897.39	8.13E-08	3.15E-07	4.18E-09	4.01E-07	6.77E-08	2.32E-07	3.00E-09	3.02E-07	7.68E-09	4.06E-08	7.13E-10	4.90E-08	6.98E-09	2.13E-08	2.16E-10	2.85E-08
546	470190.25	3818897.25	8.20E-08	3.18E-07	4.21E-09	4.04E-07	6.83E-08	2.34E-07	3.02E-09	3.05E-07	7.74E-09	4.09E-08	7.18E-10	4.94E-08	7.04E-09	2.14E-08	2.17E-10	2.87E-08
547	470161.56	3818896.85	8.26E-08	3.20E-07	4.24E-09	4.07E-07	6.88E-08	2.35E-07	3.05E-09	3.07E-07	7.80E-09	4.12E-08	7.24E-10	4.98E-08	7.09E-09	2.16E-08	2.19E-10	2.89E-08
548	470152	3818896.71	8.23E-08	3.19E-07	4.23E-09	4.06E-07	6.86E-08	2.35E-07	3.04E-09	3.06E-07	7.78E-09	4.11E-08	7.22E-10	4.96E-08	7.07E-09	2.15E-08	2.18E-10	2.88E-08
549	470142.44	3818896.58	8.19E-08	3.18E-07	4.21E-09	4.04E-07	6.82E-08	2.33E-07	3.02E-09	3.05E-07	7.73E-09	4.09E-08	7.17E-10	4.93E-08	7.03E-09	2.14E-08	2.17E-10	2.86E-08
550	470132.87	3818896.44	8.12E-08	3.15E-07	4.17E-09	4.00E-07	6.76E-08	2.31E-07	2.99E-09	3.02E-07	7.67E-09	4.05E-08	7.11E-10	4.89E-08	6.97E-09	2.12E-08	2.15E-10	2.84E-08
551	470123.31	3818896.31	8.03E-08	3.12E-07	4.13E-09	3.96E-07	6.69E-08	2.29E-07	2.96E-09	2.99E-07	7.58E-09	4.01E-08	7.04E-10	4.84E-08	6.89E-09	2.10E-08	2.13E-10	2.81E-08
552	470113.75	3818896.17	7.93E-08	3.07E-07	4.07E-09	3.91E-07	6.60E-08	2.26E-07	2.92E-09	2.95E-07	7.49E-09	3.96E-08	6.95E-10	4.78E-08	6.80E-09	2.07E-08	2.10E-10	2.77E-08
553	470320.8	3818873.36	5.35E-08	2.08E-07	2.75E-09	2.64E-07	4.46E-08	1.53E-07	1.97E-09	1.99E-07	5.05E-09	2.67E-08	4.69E-10	3.22E-08	4.59E-09	1.40E-08	1.42E-10	1.87E-08
554	470329.4	3818877.05	5.27E-08	2.04E-07	2.71E-09	2.60E-07	4.39E-08	1.50E-07	1.94E-09	1.96E-07	4.97E-09	2.63E-08	4.61E-10	3.17E-08	4.52E-09	1.38E-08	1.40E-10	1.84E-08
555	470337.99	3818880.74	5.18E-08	2.01E-07	2.66E-09	2.55E-07	4.31E-08	1.48E-07	1.91E-09	1.93E-07	4.89E-09	2.58E-08	4.54E-10	3.12E-08	4.44E-09	1.35E-08	1.37E-10	1.81E-08
556	470346.58	3818884.42	5.08E-08	1.97E-07	2.61E-09	2.51E-07	4.23E-08	1.45E-07	1.87E-09	1.89E-07	4.80E-09	2.54E-08	4.45E-10	3.06E-08	4.36E-09	1.33E-08	1.35E-10	1.78E-08
557	470355.17	3818888.11	4.99E-08	1.93E-07	2.56E-09	2.46E-07	4.16E-08	1.42E-07	1.84E-09	1.86E-07	4.71E-09	2.49E-08	4.37E-10	3.01E-08	4.28E-09	1.30E-08	1.32E-10	1.75E-08
558	470363.77	3818891.8	4.89E-08	1.90E-07	2.51E-09	2.41E-07	4.07E-08	1.39E-07	1.80E-09	1.82E-07	4.62E-09	2.44E-08	4.29E-10	2.95E-08	4.20E-09	1.28E-08	1.30E-10	1.71E-08
559	470372.36	3818895.49	4.79E-08	1.86E-07	2.46E-09	2.36E-07	3.99E-08	1.37E-07	1.77E-09	1.78E-07	4.52E-09	2.39E-08	4.20E-10	2.89E-08	4.11E-09	1.25E-08	1.27E-10	1.68E-08
560	470380.95	3818899.18	4.68E-08	1.82E-07	2.41E-09	2.31E-07	3.90E-08	1.33E-07	1.73E-09	1.74E-07	4.42E-09	2.34E-08	4.10E-10	2.82E-08	4.02E-09	1.22E-08	1.24E-10	1.64E-08
561	470389.54	3818902.86	4.58E-08	1.78E-07	2.35E-09	2.26E-07	3.81E-08	1.30E-07	1.69E-09	1.70E-07	4.32E-09	2.29E-08	4.01E-10	2.76E-08	3.93E-09	1.20E-08	1.21E-10	1.60E-08
562	470398.14	3818906.55	4.47E-08	1.73E-07	2.30E-09	2.20E-07	3.72E-08	1.27E-07	1.65E-09	1.66E-07	4.22E-09	2.23E-08	3.92E-10	2.69E-08	3.84E-09	1.17E-08	1.19E-10	1.56E-08
563	470406.73	3818910.24	4.37E-08	1.69E-07	2.24E-09	2.15E-07	3.64E-08	1.24E-07	1.61E-09	1.62E-07	4.12E-09	2.18E-08	3.83E-10	2.63E-08	3.75E-09	1.14E-08	1.16E-10	1.53E-08
564	470415.32	3818913.93	4.27E-08	1.66E-07	2.19E-09	2.11E-07	3.56E-08	1.22E-07	1.57E-09	1.59E-07	4.03E-09	2.13E-08	3.74E-10	2.57E-08	3.67E-09	1.12E-08	1.13E-10	1.49E-08
565	470580.74	3819042.33	4.03E-08	1.56E-07	2.07E-09	1.99E-07	3.36E-08	1.15E-07	1.49E-09	1.50E-07	3.81E-09	2.01E-08	3.54E-10	2.43E-08	3.46E-09	1.05E-08	1.07E-10	1.41E-08
566	470584.23	3819051	4.19E-08	1.62E-07	2.15E-09	2.06E-07	3.49E-08	1.19E-07	1.54E-09	1.56E-07	3.95E-09	2.09E-08	3.67E-10	2.52E-08	3.59E-09	1.09E-08	1.11E-10	1.46E-08
567	470587.72	3819059.67	4.35E-08	1.69E-07	2.24E-09	2.14E-07	3.62E-08	1.24E-07	1.60E-09	1.62E-07	4.11E-09	2.17E-08	3.81E-10	2.62E-08	3.73E-09	1.14E-08	1.15E-10	1.52E-08
568	470591.21	3819068.35	4.52E-08	1.75E-07	2.32E-09	2.23E-07	3.77E-08	1.29E-07	1.67E-09	1.68E-07	4.27E-09	2.26E-08	3.96E-10	2.73E-08	3.88E-09	1.18E-08	1.20E-10	1.58E-08
569	470594.71	3819077.02	4.71E-08	1.83E-07	2.42E-09	2.32E-07	3.92E-08	1.34E-07	1.74E-09	1.75E-07	4.45E-09	2.35E-08	4.13E-10	2.84E-08	4.04E-09	1.23E-08	1.25E-10	1.65E-08
570	470598.2	3819085.7	4.90E-08	1.90E-07	2.52E-09	2.42E-07	4.08E-08	1.40E-07	1.81E-09	1.82E-07	4.63E-09	2.45E-08	4.30E-10	2.95E-08	4.21E-09	1.28E-08	1.30E-10	1.72E-08
571	470601.69	3819094.37	5.10E-08	1.98E-07	2.62E-09	2.52E-07	4.25E-08	1.45E-07	1.88E-09	1.90E-07	4.82E-09	2.55E-08	4.47E-10	3.07E-08	4.38E-09	1.33E-08	1.35E-10	1.79E-08
572	470605.18	3819103.04	5.32E-08	2.06E-07	2.73E-09	2.62E-07	4.43E-08	1.51E-07	1.96E-09	1.98E-07	5.02E-09	2.65E-08	4.66E-10	3.20E-08	4.56E-09	1.39E-08	1.41E-10	1.86E-08

573	470608.67	3819111.72	5.54E-08	2.15E-07	2.85E-09	2.73E-07	4.61E-08	1.58E-07	2.04E-09	2.06E-07	5.23E-09	2.76E-08	4.85E-10	3.34E-08	4.75E-09	1.45E-08	1.47E-10	1.94E-08
574	470612.17	3819120.39	5.77E-08	2.24E-07	2.96E-09	2.84E-07	4.81E-08	1.64E-07	2.13E-09	2.15E-07	5.45E-09	2.88E-08	5.06E-10	3.48E-08	4.95E-09	1.51E-08	1.53E-10	2.02E-08
575	470615.66	3819129.07	6.01E-08	2.33E-07	3.09E-09	2.96E-07	5.00E-08	1.71E-07	2.22E-09	2.23E-07	5.67E-09	3.00E-08	5.26E-10	3.62E-08	5.16E-09	1.57E-08	1.59E-10	2.10E-08
576	470619.15	3819137.74	6.25E-08	2.42E-07	3.21E-09	3.08E-07	5.21E-08	1.78E-07	2.31E-09	2.33E-07	5.90E-09	3.12E-08	5.48E-10	3.77E-08	5.37E-09	1.63E-08	1.66E-10	2.19E-08
577	470622.64	3819146.41	6.50E-08	2.52E-07	3.34E-09	3.20E-07	5.41E-08	1.85E-07	2.40E-09	2.42E-07	6.14E-09	3.24E-08	5.69E-10	3.92E-08	5.58E-09	1.70E-08	1.72E-10	2.27E-08
578	470626.14	3819155.09	6.75E-08	2.62E-07	3.47E-09	3.33E-07	5.62E-08	1.92E-07	2.49E-09	2.51E-07	6.37E-09	3.37E-08	5.91E-10	4.07E-08	5.79E-09	1.76E-08	1.79E-10	2.36E-08
579	470629.63	3819163.76	7.00E-08	2.72E-07	3.60E-09	3.45E-07	5.83E-08	2.00E-07	2.58E-09	2.60E-07	6.61E-09	3.50E-08	6.13E-10	4.22E-08	6.01E-09	1.83E-08	1.86E-10	2.45E-08
580	470633.12	3819172.44	7.26E-08	2.81E-07	3.73E-09	3.58E-07	6.04E-08	2.07E-07	2.68E-09	2.70E-07	6.85E-09	3.62E-08	6.36E-10	4.37E-08	6.23E-09	1.90E-08	1.92E-10	2.54E-08
581	470636.61	3819181.11	7.51E-08	2.91E-07	3.86E-09	3.70E-07	6.25E-08	2.14E-07	2.77E-09	2.79E-07	7.09E-09	3.75E-08	6.58E-10	4.52E-08	6.45E-09	1.96E-08	1.99E-10	2.63E-08
582	470640.1	3819189.78	7.76E-08	3.01E-07	3.99E-09	3.82E-07	6.46E-08	2.21E-07	2.86E-09	2.89E-07	7.33E-09	3.87E-08	6.80E-10	4.67E-08	6.66E-09	2.03E-08	2.06E-10	2.71E-08
583	470643.6	3819198.46	8.00E-08	3.10E-07	4.11E-09	3.95E-07	6.67E-08	2.28E-07	2.95E-09	2.98E-07	7.56E-09	4.00E-08	7.01E-10	4.82E-08	6.87E-09	2.09E-08	2.12E-10	2.80E-08
584	470647.09	3819207.13	8.24E-08	3.20E-07	4.23E-09	4.06E-07	6.86E-08	2.35E-07	3.04E-09	3.07E-07	7.78E-09	4.11E-08	7.22E-10	4.97E-08	7.08E-09	2.15E-08	2.18E-10	2.88E-08
585	470650.58	3819215.81	8.47E-08	3.29E-07	4.35E-09	4.18E-07	7.06E-08	2.41E-07	3.12E-09	3.15E-07	8.00E-09	4.23E-08	7.42E-10	5.10E-08	7.27E-09	2.22E-08	2.25E-10	2.96E-08
586	470654.07	3819224.48	8.69E-08	3.37E-07	4.47E-09	4.29E-07	7.24E-08	2.48E-07	3.21E-09	3.23E-07	8.21E-09	4.34E-08	7.62E-10	5.24E-08	7.46E-09	2.27E-08	2.30E-10	3.04E-08
587	470276.87	3818858.47	5.80E-08	2.25E-07	2.98E-09	2.86E-07	4.83E-08	1.65E-07	2.14E-09	2.16E-07	5.48E-09	2.90E-08	5.08E-10	3.50E-08	4.98E-09	1.52E-08	1.54E-10	2.03E-08
588	470267.31	3818858.34	5.96E-08	2.31E-07	3.06E-09	2.94E-07	4.96E-08	1.70E-07	2.20E-09	2.22E-07	5.62E-09	2.97E-08	5.22E-10	3.59E-08	5.11E-09	1.56E-08	1.58E-10	2.08E-08
589	470257.75	3818858.2	6.10E-08	2.37E-07	3.13E-09	3.01E-07	5.08E-08	1.74E-07	2.25E-09	2.27E-07	5.76E-09	3.05E-08	5.35E-10	3.68E-08	5.24E-09	1.59E-08	1.62E-10	2.13E-08
590	470248.19	3818858.07	6.24E-08	2.42E-07	3.21E-09	3.08E-07	5.20E-08	1.78E-07	2.30E-09	2.32E-07	5.89E-09	3.11E-08	5.47E-10	3.76E-08	5.36E-09	1.63E-08	1.65E-10	2.18E-08
591	470238.62	3818857.93	6.36E-08	2.47E-07	3.27E-09	3.14E-07	5.30E-08	1.81E-07	2.35E-09	2.37E-07	6.01E-09	3.18E-08	5.58E-10	3.83E-08	5.46E-09	1.66E-08	1.69E-10	2.23E-08
592	470229.06	3818857.8	6.48E-08	2.51E-07	3.33E-09	3.19E-07	5.40E-08	1.85E-07	2.39E-09	2.41E-07	6.12E-09	3.24E-08	5.68E-10	3.90E-08	5.56E-09	1.69E-08	1.72E-10	2.27E-08
593	470219.5	3818857.66	6.58E-08	2.55E-07	3.38E-09	3.24E-07	5.48E-08	1.88E-07	2.43E-09	2.45E-07	6.22E-09	3.29E-08	5.77E-10	3.97E-08	5.65E-09	1.72E-08	1.74E-10	2.30E-08
594	470209.94	3818857.53	6.67E-08	2.59E-07	3.43E-09	3.29E-07	5.56E-08	1.90E-07	2.46E-09	2.48E-07	6.30E-09	3.33E-08	5.84E-10	4.02E-08	5.73E-09	1.74E-08	1.77E-10	2.33E-08
595	470200.37	3818857.39	6.74E-08	2.61E-07	3.46E-09	3.32E-07	5.62E-08	1.92E-07	2.49E-09	2.51E-07	6.37E-09	3.37E-08	5.91E-10	4.06E-08	5.79E-09	1.76E-08	1.79E-10	2.36E-08
596	470190.81	3818857.26	6.80E-08	2.64E-07	3.49E-09	3.35E-07	5.66E-08	1.94E-07	2.51E-09	2.53E-07	6.42E-09	3.39E-08	5.96E-10	4.09E-08	5.83E-09	1.78E-08	1.80E-10	2.38E-08
597	470162.13	3818856.85	6.86E-08	2.66E-07	3.53E-09	3.38E-07	5.72E-08	1.96E-07	2.53E-09	2.55E-07	6.48E-09	3.43E-08	6.01E-10	4.13E-08	5.89E-09	1.79E-08	1.82E-10	2.40E-08
598	470152.56	3818856.72	6.85E-08	2.66E-07	3.52E-09	3.38E-07	5.70E-08	1.95E-07	2.53E-09	2.55E-07	6.47E-09	3.42E-08	6.00E-10	4.13E-08	5.88E-09	1.79E-08	1.82E-10	2.40E-08
599	470143	3818856.58	6.82E-08	2.64E-07	3.50E-09	3.36E-07	5.68E-08	1.94E-07	2.52E-09	2.54E-07	6.44E-09	3.40E-08	5.98E-10	4.11E-08	5.85E-09	1.78E-08	1.81E-10	2.39E-08
600	470133.44	3818856.45	6.77E-08	2.63E-07	3.48E-09	3.34E-07	5.64E-08	1.93E-07	2.50E-09	2.52E-07	6.40E-09	3.38E-08	5.94E-10	4.08E-08	5.82E-09	1.77E-08	1.80E-10	2.37E-08
601	470123.88	3818856.31	6.72E-08	2.60E-07	3.45E-09	3.31E-07	5.59E-08	1.91E-07	2.48E-09	2.50E-07	6.34E-09	3.35E-08	5.88E-10	4.05E-08	5.76E-09	1.76E-08	1.78E-10	2.35E-08
602	470114.31	3818856.18	6.64E-08	2.58E-07	3.41E-09	3.27E-07	5.53E-08	1.89E-07	2.45E-09	2.47E-07	6.27E-09	3.32E-08	5.82E-10	4.00E-08	5.70E-09	1.74E-08	1.76E-10	2.32E-08
603	470312.98	3818829.76	4.64E-08	1.80E-07	2.38E-09	2.29E-07	3.87E-08	1.32E-07	1.71E-09	1.73E-07	4.38E-09	2.32E-08	4.07E-10	2.80E-08	3.98E-09	1.21E-08	1.23E-10	1.62E-08
604	470321.64	3818833.48	4.57E-08	1.77E-07	2.35E-09	2.26E-07	3.81E-08	1.30E-07	1.69E-09	1.70E-07	4.32E-09	2.28E-08	4.01E-10	2.76E-08	3.93E-09	1.20E-08	1.21E-10	1.60E-08
605	470330.29	3818837.19	4.50E-08	1.75E-07	2.31E-09	2.22E-07	3.75E-08	1.28E-07	1.66E-09	1.68E-07	4.25E-09	2.25E-08	3.95E-10	2.71E-08	3.87E-09	1.18E-08	1.19E-10	1.58E-08
606	470338.95	3818840.91	4.43E-08	1.72E-07	2.28E-09	2.18E-07	3.69E-08	1.26E-07	1.63E-09	1.65E-07	4.18E-09	2.21E-08	3.88E-10	2.67E-08	3.80E-09	1.16E-08	1.17E-10	1.55E-08
607	470347.61	3818844.63	4.35E-08	1.69E-07	2.24E-09	2.15E-07	3.63E-08	1.24E-07	1.61E-09	1.62E-07	4.11E-09	2.17E-08	3.82E-10	2.62E-08	3.74E-09	1.14E-08	1.15E-10	1.52E-08
608	470356.27	3818848.34	4.28E-08	1.66E-07	2.20E-09	2.11E-07	3.57E-08	1.22E-07	1.58E-09	1.59E-07	4.04E-09	2.14E-08	3.75E-10	2.58E-08	3.68E-09	1.12E-08	1.14E-10	1.50E-08
609	470364.93	3818852.06	4.21E-08	1.63E-07	2.16E-09	2.08E-07	3.51E-08	1.20E-07	1.55E-09	1.57E-07	3.98E-09	2.10E-08	3.69E-10	2.54E-08	3.61E-09	1.10E-08	1.12E-10	1.47E-08
610	470373.59	3818855.78	4.14E-08	1.60E-07	2.13E-09	2.04E-07	3.45E-08	1.18E-07	1.53E-09	1.54E-07	3.91E-09	2.07E-08	3.63E-10	2.49E-08	3.55E-09	1.08E-08	1.10E-10	1.45E-08
611	470382.25	3818859.49	4.06E-08	1.57E-07	2.09E-09	2.00E-07	3.38E-08	1.16E-07	1.50E-09	1.51E-07	3.83E-09	2.03E-08	3.56E-10	2.45E-08	3.49E-09	1.06E-08	1.08E-10	1.42E-08
612	470390.91	3818863.21	3.98E-08	1.54E-07	2.04E-09	1.96E-07	3.31E-08	1.13E-07	1.47E-09	1.48E-07	3.75E-09	1.98E-08	3.48E-10	2.40E-08	3.41E-09	1.04E-08	1.05E-10	1.39E-08
613	470399.57	3818866.93	3.89E-08	1.51E-07	2.00E-09	1.92E-07	3.24E-08	1.11E-07	1.44E-09	1.45E-07	3.67E-09	1.94E-08	3.41E-10	2.34E-08	3.34E-09	1.02E-08	1.03E-10	1.36E-08
614	470609.56	3819014.9	3.29E-08	1.28E-07	1.69E-09	1.62E-07	2.74E-08	9.38E-08	1.21E-09	1.22E-07	3.11E-09	1.64E-08	2.89E-10	1.98E-08	2.83E-09	8.61E-09	8.73E-11	1.15E-08
615	470613.08	3819023.64	3.41E-08	1.32E-07	1.75E-09	1.68E-07	2.84E-08	9.71E-08	1.26E-09	1.27E-07	3.22E-09	1.70E-08	2.98E-10	2.05E-08	2.92E-09	8.90E-09	9.03E-11	1.19E-08
616	470616.6	3819032.38	3.53E-08	1.37E-07	1.81E-09	1.74E-07	2.94E-08	1.01E-07	1.30E-09	1.31E-07	3.33E-09	1.76E-08	3.09E-10	2.12E-08	3.03E-09	9.22E-09	9.35E-11	1.23E-08
617	470620.12	3819041.13	3.66E-08	1.42E-07	1.88E-09	1.80E-07	3.05E-08	1.04E-07	1.35E-09	1.36E-07	3.45E-09	1.83E-08	3.20E-10	2.20E-08	3.14E-09	9.56E-09	9.69E-11	1.28E-08
618	470623.63	3819049.87	3.79E-08	1.47E-07	1.95E-09	1.87E-07	3.16E-08	1.08E-07	1.40E-09	1.41E-07	3.58E-09	1.89E-08	3.33E-10	2.29E-08	3.26E-09	9.92E-09	1.01E-10	1.33E-08
619	470627.15	3819058.61	3.94E-08	1.53E-07	2.03E-09	1.94E-07	3.28E-08	1.12E-07	1.45E-09	1.47E-07	3.72E-09	1.97E-08	3.45E-10	2.38E-08	3.38E-09	1.03E-08	1.05E-10	1.38E-08
620	470630.67	3819067.35	4.10E-08	1.59E-07	2.11E-09	2.02E-07	3.41E-08	1.17E-07	1.51E-09	1.52E-07	3.87E-09	2.05E-08	3.59E-10	2.47E-08	3.52E-09	1.07E-08	1.09E-10	1.43E-08
621	470634.19	3819076.09	4.26E-08	1.65E-07	2.19E-09	2.10E-07	3.55E-08	1.21E-07	1.57E-09	1.58E-07	4.02E-09	2.13E-08	3.73E-10	2.57E-08	3.66E-09	1.11E-08	1.13E-10	1.49E-08
622	470637.71	3819084.83	4.43E-08	1.72E-07	2.28E-09	2.18E-07	3.69E-08	1.26E-07	1.63E-09	1.65E-07	4.18E-09	2.21E-08	3.88E-10	2.67E-08	3.80E-09	1.16E-08	1.17E-10	1.55E-08
623	470641.23	3819093.57	4.61E-08	1.79E-07	2.37E-09	2.27E-07	3.84E-08	1.31E-07	1.70E-09	1.71E-07	4.35E-09	2.30E-08	4.04E-10	2.77E-08	3.95E-09	1.20E-08	1.22E-10	1.61E-08
624	470644.75	3819102.31	4.79E-08	1.86E-07	2.46E-09	2.36E-07	3.99E-08	1.36E-07	1.77E-09	1.78E-07	4.52E-09	2.39E-08	4.19E-10	2.88E-08	4.11E-09	1.25E-08	1.27E-10	1.67E-08
625	470648.27	3819111.05	4.98E-08	1.93E-07	2.56E-09	2.45E-07	4.14E-08	1.42E-07	1.84E-09	1.85E-07	4.70E-09	2.48E-08	4.36E-10	3.00E-08	4.27E-09	1.30E-08	1.32E-10	1.74E-08
626	470651.79	3819119.8	5.17E-08	2.01E-07	2.66E-09	2.55E-07	4.31E-08	1.47E-07	1.91E-09	1.92E-07	4.88E-09	2.58E-08	4.53E-10	3.12E-08	4.44E-09	1.35E-08	1.37E-10	1.81E-08
627	470655.31	3819128.54	5.37E-08	2.08E-07	2.76E-09	2.65E-07	4.47E-08	1.53E-07	1.98E-09	2.00E-07	5.07E-09	2.68E-08	4.71E-10	3.23E-08	4.61E-09	1.40E-08	1.42E-10	1.88E-08
628	470658.83	3819137.28	5.57E-08	2.16E-07	2.86E-09	2.75E-07	4.64E-08	1.59E-07	2.05E-09	2.07E-07	5.26E-09	2.78E-08	4.88E-10	3.36E-08	4.78E-09	1.46E-08	1.48E-10	1.95E-08
629	470662.34	3819146.02	5.78E-08	2.24E-07	2.97E-09	2.85E-07	4.81E-08	1.65E-07	2.13E-09	2.15E-07	5.45E-09	2.88E-08	5.06E-10	3.48E-08	4.96E-09	1.51E-08	1.53E-10	2.02E-08
630	470665.86	3819154.76	5.98E-08	2.32E-07	3.07E-09	2.95E-07	4.98E-08	1.70E-07	2.21E-09	2.22E-07	5.65E-09	2.99E-08	5.24E-10	3.60E-08	5.14E-09	1.56E-08	1.59E-10	2.09E-08
631	470669.38	3819163.5	6.19E-08	2.40E-07	3.18E-09	3.05E-07	5.15E-08	1.76E-07	2.28E-09	2.30E-07	5.84E-09	3.09E-08	5.42E-10	3.73E-08	5.31E-09	1.62E-08	1.64E-10	2.17E-08
632	470672.9	3819172.24	6.39E-08	2.48E-07	3.28E-09	3.15E-07	5.33E-08	1.82E-07	2.36E-09	2.38E-07	6.04E-09	3.19E-08	5.60E-10	3.85E-08	5.49E-09	1.67E-08	1.69E-10	2.24E-08
633	470676.42	3819180.98	6.60E-08	2.56E-07	3.39E-09	3.25E-07	5.50E-08	1.88E-07	2.43E-09	2.45E-07	6.23E-09	3.29E-08	5.78E-10	3.98E-08	5.66E-09	1.72E-08	1.75E-10	2.31E-08
634	470679.94	3819189.72	6.80E-08	2.64E-07	3.49E-09	3.35E-07	5.66E-08	1.94E-07	2.51E-09	2.53E-07	6.42E-09	3.39E-08	5.96E-10	4.10E-08	5.84E-09	1.78E-08	1.80E-10	2.38E-08
635	470683.46	3819198.47	7.00E-08	2.71E-07	3.59E-09	3.45E-07	5.83E-08	1.99E-07	2.58E-09	2.60E-07	6.61E-09	3.49E-08	6.13E-10	4.21E-08	6.01E-09	1.83E-08	1.85E-10	2.45E-08
636	470686.98	3819207.21	7.18E-08	2.79E-07	3.69E-09	3.54E-07	5.98E-08	2.05E-07	2.65E-09	2.67E-07	6.78E-09	3.59E-08	6.30E-10	4.33E-08	6.17E-09	1.88E-08	1.90E-10	2.51E-08
637	470690.5	3819215.95	7.37E-08	2.86E-07	3.78E-09	3.63E-07	6.14E-08	2.10E-07	2.72E-09	2.74E-07	6.96E-09	3.68E-08	6.45E-10	4.44E-08	6.32E-09	1.93E-08	1.95E-10	2.58E-08
638	470694.02	3819224.69	7.54E-08	2.92E-07	3.87E-09	3.72E-07	6.28E-08	2.15E-07	2.78E-09	2.80E-07	7.12E-09	3.76E-08	6.61E-10	4.54E-08	6.47E-09	1.97E-08	2.00E-10	2.64E-08
639	470277.44	3818818.48	4.94E-08	1.91E-07	2.54E-09	2.43E-07	4.11E-08	1.41E-07	1.82E-09	1.84E-07	4.66E-09	2.46E-08	4.32E-10	2.97E-08	4.24E-09	1.29E-08	1.31E-10	1.73E-08
640	470267.87	3818818.34	5.06E-08	1.96E-07	2.60E-09	2.49E-07	4.21E-08	1.44E-07	1.86E-09	1.88E-07	4.77E-09	2.52E-08	4.43E-10	3.05E-08	4.34E-09	1.32E-08	1.34E-10	1.77E-08
641	470258.31	3818818.21	5.17E-08	2.00E-07	2.66E-09	2.55E-07	4.31E-08	1.47E-07	1.91E-09	1.92E-07	4.88E-09	2.58E-08	4.53E-10	3.11E-08	4.44E-09	1.35E-08	1.37E-10	1.81E-08
642	470248.75	3818818.07	5.27E-08	2.04E-07	2.71E-09	2.60E-07	4.39E-08	1.50E-07	1.94E-09	1.96E-07	4.98E-09	2.63E-08	4.62E-10	3.18E-08	4.53E-09	1.38E-08	1.40E-10	1.84E-08
643	470239.19	3818817.94	5.37E-08	2.08E-07	2.76E-09	2.65E-07	4.47E-08	1.53E-07	1.98E-09	2.00E-07	5.07E-09	2.68E-08	4.70E-10	3.23E-08	4.61E-09	1.40E-08	1.42E-10	1.88E-08
644	470229.63	3818817.8	5.45E-08	2.11E-07	2.80E-09	2.69E-07	4.54E-08	1.55E-07	2.01E-09	2.03E-07	5.15E-09	2.72E-08	4.78E-10	3.28E-08	4.68E-09	1.43E-08	1.45E-10	1.91E-08
645	470220.06	3818817.67	5.53E-08	2.15E-07	2.84E-09	2.73E-07	4.61E-08	1.58E-07	2.04E-09	2.06E-07	5.22E-09	2.76E-08	4.85E-10	3.33E-08	4.75E-09	1.45E-08	1.47E-10	1.94E-08
646	470210.5	3818817.53	5.60E-08	2.17E-07	2.88E-09	2.76E-07	4.67E-08	1.60E-07	2.07E-09	2.08E-07	5.29E-09	2.80E-08	4.91E-10	3.38E-08	4.81E-09	1.46E-08	1.49E-10	1.96E-08
647	470200.94	3818817.4	5.66E-08	2.20E-07	2.91E-09	2.79E-07	4.72E-08	1.61E-07	2.09E-09	2.11E-07	5.35E-09	2.83E-08	4.96E-10	3.41E-08	4.86E-09	1.48E-08	1.50E-10	1.98E-08
648	470191.38	3818817.26	5.71E-08	2.22E-07	2.94E-09	2.82E-07	4.76E-08	1.63E-07	2.11E-09	2.13E-07	5.39E-09	2.85E-08	5.01E-10	3.44E-08	4.90E-09	1.49E-08	1.51E-10	2.00E-08
649	470162.69	3818816.86	5.79E-08	2.24E-07	2.97E-09	2.85E-07	4.82E-08	1.65E-07	2.13E-09	2.15E-07	5.47E-09	2.89E-08	5.07E-10	3.49E-08	4.97E-09	1.51E-08	1.53E-10	2.03E-08
650	470153.13	3818816.72	5.78E-08	2.24E-07	2.97E-09	2.85E-07	4.82E-08	1.65E-07	2.13E-09	2.15E-07	5.46E-09	2.89E-08	5.07E-10	3.48E-08	4.96E-09	1.51E-08	1.53E-10	2.02E-08
651	470143.57	3818816.59	5.76E-08	2.24E-07	2.96E-09	2.84E-07	4.80E-08	1.64E-07	2.13E-09	2.14E-07	5.44E-09	2.88E-08	5.05E-10	3.47E-08	4.95E-09	1.51E-08	1.53E-10	2.02E-08
652	470134	3818816.45	5.73E-08	2.22E-07	2.95E-09	2.83E-07	4.78E-08	1.63E-07	2.11E-09	2.13E-07	5.42E-09	2.86E-08	5.03E-10	3.45E-08	4.92E-09	1.50E-08	1.52E-10	2.01E-08
653	470124.44	3818816.32	5.69E-08	2.21E-07	2.93E-09	2.81E-07	4.74E-08	1.62E-07	2.10E-09	2.12E-07	5.38E-09	2.84E-08	4.99E-10	3.43E-08	4.89E-09	1.49E-08	1.51E-10	1.99E-08
654	470114.88	3818816.18	5.64E-08	2.19E-07	2.90E-09	2.78E-07	4.70E-08	1.61E-07	2.08E-09	2.10E-07	5.33E-09	2.82E-08	4.94E-10	3.40E-08	4.84E-09	1.47E-08	1.50E-10	1.97E-08
655	470313.71	3818789.84	4.01E-08	1.56E-07	2.06E-09	1.98E-07	3.34E-08	1.14E-07	1.48E-09	1.49E-07	3.79E-09	2.00E-08	3.52E-10	2.42E-08	3.44E-09	1.05E-08	1.06E-10	1.40E-08
656	470322.42	3818793.58	3.96E-08	1.54E-07	2.03E-09	1.95E-07	3.30E-08	1.13E-07	1.46E-09	1.47E-07	3.74E-09	1.98E-08	3.47E-10	2.39E-08	3.40E-09	1.04E-08	1.05E-10	1.39E-08
657	470331.14	3818797.32	3.90E-08	1.51E-07	2.01E-09	1.92E-07	3.25E-08	1.11E-07	1.44E-09	1.45E-07	3.69E-09	1.95E-08	3.42E-10	2.35E-08	3.35E-09	1.02E-08	1.03E-10	1.37E-08
658	470339.85	3818801.06	3.84E-08	1.49E-07	1.98E-09	1.90E-07	3.20E-08	1.10E-07	1.42E-09	1.43E-07	3.63E-09	1.92E-08	3.37E-10	2.32E-08	3.30E-09	1.01E-08	1.02E-10	1.35E-08
659	470348.57	3818804.8	3.78E-08	1.47E-07	1.94E-09	1.87E-07	3.15E-08	1.08E-07	1.40E-09	1.41E-07	3.57E-09	1.89E-08	3.32E-10	2.28E-08	3.25E-09	9.89E-09	1.00E-10	1.32E-08
660	470357.28	3818808.54	3.73E-08	1.45E-07	1.92E-09	1.84E-07	3.10E-08	1.06E-07	1.37E-09	1.39E-07	3.52E-09	1.86E-08	3.27E-10	2.25E-08	3.20E-09	9.74E-09	9.88E-11	1.30E-08
661	470366	3818812.28	3.67E-08	1.42E-07	1.89E-09	1.81E-07	3.06E-08	1.05E-07	1.35E-09	1.37E-07	3.47E-09	1.83E-08	3.22E-10	2.21E-08	3.15E-09	9.59E-09	9.73E-11	1.28E-08
662	470374.71	3818816.02	3.61E-08	1.40E-07	1.86E-09	1.78E-07	3.01E-08	1.03E-07	1.33E-09	1.34E-07	3.41E-09	1.80E-08	3.16E-10	2.18E-08	3.10E-09	9.44E-09	9.57E-11	1.26E-08
663	470383.43	3818819.76	3.55E-08	1.38E-07	1.82E-09	1.75E-07	2.96E-08	1.01E-07	1.31E-09	1.32E-07	3.35E-09	1.77E-08	3.11E-10	2.14E-08	3.05E-09	9.28E-09	9.41E-11	1.24E-08
664	470392.14	3818823.5	3.48E-08	1.35E-07	1.79E-09	1.72E-07	2.90E-08	9.92E-08	1.28E-09	1.30E-07	3.29E-09	1.74E-08	3.05E-10	2.10E-08	2.99E-09	9.10E-09	9.23E-11	1.22E-08
665	470470.57	3818857.17	2.89E-08	1.12E-07	1.49E-09	1.43E-07	2.41E-08	8.25E-08	1.07E-09	1.08E-07	2.73E-09	1.45E-08	2.54E-10	1.74E-08	2.49E-09	7.57E-09	7.67E-11	1.01E-08
666	470479.29	3818860.91	2.84E-08	1.10E-07	1.46E-09	1.40E-07	2.36E-08	8.08E-08	1.05E-09	1.06E-07	2.68E-09	1.42E-08	2.49E-10	1.71E-08	2.44E-09	7.42E-09	7.52E-11	9.93E-09
667	470488	3818864.65	2.78E-08	1.08E-07	1.43E-09	1.37E-07	2.31E-08	7.92E-08	1.02E-09	1.03E-07	2.62E-09	1.39E-08	2.44E-10	1.67E-08	2.39E-09	7.26E-09	7.37E-11	9.72E-09
668	470638.34	3818987.39	2.73E-08	1.06E-07	1.40E-09	1.35E-07	2.27E-08	7.78E-08	1.01E-09	1.02E-07	2.58E-09	1.36E-08	2.39E-10	1.64E-08	2.34E-09	7.14E-09	7.24E-11	9.55E-09

669	470641.88	3818996.19	2.82E-08	1.09E-07	1.45E-09	1.39E-07	2.35E-08	8.03E-08	1.04E-09	1.05E-07	2.66E-09	1.41E-08	2.47E-10	1.70E-08	2.42E-09	7.36E-09	7.47E-11	9.86E-09
670	470645.43	3819004.99	2.91E-08	1.13E-07	1.50E-09	1.44E-07	2.42E-08	8.30E-08	1.07E-09	1.08E-07	2.75E-09	1.45E-08	2.55E-10	1.75E-08	2.50E-09	7.61E-09	7.72E-11	1.02E-08
671	470648.97	3819013.78	3.01E-08	1.17E-07	1.55E-09	1.48E-07	2.51E-08	8.58E-08	1.11E-09	1.12E-07	2.84E-09	1.50E-08	2.64E-10	1.81E-08	2.58E-09	7.87E-09	7.98E-11	1.05E-08
672	470652.51	3819022.58	3.12E-08	1.21E-07	1.60E-09	1.54E-07	2.60E-08	8.88E-08	1.15E-09	1.16E-07	2.94E-09	1.56E-08	2.73E-10	1.88E-08	2.68E-09	8.15E-09	8.26E-11	1.09E-08
673	470656.05	3819031.38	3.23E-08	1.25E-07	1.66E-09	1.59E-07	2.69E-08	9.20E-08	1.19E-09	1.20E-07	3.05E-09	1.61E-08	2.83E-10	1.95E-08	2.77E-09	8.44E-09	8.56E-11	1.13E-08
674	470659.59	3819040.18	3.35E-08	1.30E-07	1.72E-09	1.65E-07	2.79E-08	9.54E-08	1.23E-09	1.25E-07	3.16E-09	1.67E-08	2.93E-10	2.02E-08	2.87E-09	8.75E-09	8.88E-11	1.17E-08
675	470663.13	3819048.97	3.47E-08	1.35E-07	1.78E-09	1.71E-07	2.89E-08	9.90E-08	1.28E-09	1.29E-07	3.28E-09	1.73E-08	3.04E-10	2.09E-08	2.98E-09	9.08E-09	9.21E-11	1.22E-08
676	470666.68	3819057.77	3.60E-08	1.40E-07	1.85E-09	1.78E-07	3.00E-08	1.03E-07	1.33E-09	1.34E-07	3.40E-09	1.80E-08	3.16E-10	2.17E-08	3.09E-09	9.42E-09	9.55E-11	1.26E-08
677	470670.22	3819066.57	3.74E-08	1.45E-07	1.92E-09	1.84E-07	3.12E-08	1.07E-07	1.38E-09	1.39E-07	3.53E-09	1.87E-08	3.28E-10	2.25E-08	3.21E-09	9.78E-09	9.92E-11	1.31E-08
678	470673.76	3819075.36	3.88E-08	1.51E-07	1.99E-09	1.91E-07	3.23E-08	1.11E-07	1.43E-09	1.44E-07	3.67E-09	1.94E-08	3.40E-10	2.34E-08	3.33E-09	1.01E-08	1.03E-10	1.36E-08
679	470677.3	3819084.16	4.03E-08	1.56E-07	2.07E-09	1.99E-07	3.36E-08	1.15E-07	1.49E-09	1.50E-07	3.80E-09	2.01E-08	3.53E-10	2.43E-08	3.46E-09	1.05E-08	1.07E-10	1.41E-08
680	470680.84	3819092.96	4.18E-08	1.62E-07	2.15E-09	2.06E-07	3.48E-08	1.19E-07	1.54E-09	1.56E-07	3.95E-09	2.09E-08	3.66E-10	2.52E-08	3.59E-09	1.09E-08	1.11E-10	1.46E-08
681	470684.39	3819101.76	4.34E-08	1.68E-07	2.23E-09	2.14E-07	3.62E-08	1.24E-07	1.60E-09	1.61E-07	4.10E-09	2.17E-08	3.80E-10	2.61E-08	3.73E-09	1.13E-08	1.15E-10	1.52E-08
682	470687.93	3819110.55	4.50E-08	1.75E-07	2.31E-09	2.22E-07	3.75E-08	1.28E-07	1.66E-09	1.67E-07	4.25E-09	2.25E-08	3.94E-10	2.71E-08	3.86E-09	1.18E-08	1.19E-10	1.58E-08
683	470691.47	3819119.35	4.67E-08	1.81E-07	2.40E-09	2.30E-07	3.89E-08	1.33E-07	1.72E-09	1.74E-07	4.41E-09	2.33E-08	4.09E-10	2.81E-08	4.01E-09	1.22E-08	1.24E-10	1.63E-08
684	470695.01	3819128.15	4.83E-08	1.87E-07	2.48E-09	2.38E-07	4.03E-08	1.38E-07	1.78E-09	1.80E-07	4.56E-09	2.41E-08	4.24E-10	2.91E-08	4.15E-09	1.26E-08	1.28E-10	1.69E-08
685	470698.55	3819136.95	5.00E-08	1.94E-07	2.57E-09	2.47E-07	4.17E-08	1.43E-07	1.84E-09	1.86E-07	4.72E-09	2.50E-08	4.38E-10	3.01E-08	4.29E-09	1.31E-08	1.33E-10	1.75E-08
686	470702.09	3819145.74	5.17E-08	2.01E-07	2.66E-09	2.55E-07	4.31E-08	1.47E-07	1.91E-09	1.92E-07	4.88E-09	2.58E-08	4.53E-10	3.12E-08	4.44E-09	1.35E-08	1.37E-10	1.81E-08
687	470705.64	3819154.54	5.34E-08	2.07E-07	2.74E-09	2.63E-07	4.45E-08	1.52E-07	1.97E-09	1.99E-07	5.04E-09	2.67E-08	4.68E-10	3.22E-08	4.59E-09	1.40E-08	1.42E-10	1.87E-08
688	470709.18	3819163.34	5.51E-08	2.14E-07	2.83E-09	2.72E-07	4.59E-08	1.57E-07	2.03E-09	2.05E-07	5.20E-09	2.75E-08	4.83E-10	3.32E-08	4.73E-09	1.44E-08	1.46E-10	1.93E-08
689	470712.72	3819172.14	5.68E-08	2.20E-07	2.92E-09	2.80E-07	4.73E-08	1.62E-07	2.09E-09	2.11E-07	5.36E-09	2.83E-08	4.98E-10	3.42E-08	4.87E-09	1.48E-08	1.51E-10	1.99E-08
690	470716.26	3819180.93	5.84E-08	2.27E-07	3.00E-09	2.88E-07	4.87E-08	1.67E-07	2.16E-09	2.17E-07	5.52E-09	2.92E-08	5.12E-10	3.52E-08	5.02E-09	1.53E-08	1.55E-10	2.05E-08
691	470719.8	3819189.73	6.01E-08	2.33E-07	3.09E-09	2.96E-07	5.00E-08	1.71E-07	2.22E-09	2.23E-07	5.67E-09	3.00E-08	5.27E-10	3.62E-08	5.16E-09	1.57E-08	1.59E-10	2.10E-08
692	470723.34	3819198.53	6.17E-08	2.39E-07	3.17E-09	3.04E-07	5.14E-08	1.76E-07	2.27E-09	2.29E-07	5.82E-09	3.08E-08	5.40E-10	3.72E-08	5.29E-09	1.61E-08	1.63E-10	2.16E-08
693	470726.89	3819207.32	6.32E-08	2.45E-07	3.25E-09	3.11E-07	5.26E-08	1.80E-07	2.33E-09	2.35E-07	5.97E-09	3.15E-08	5.54E-10	3.81E-08	5.42E-09	1.65E-08	1.67E-10	2.21E-08
694	470730.43	3819216.12	6.46E-08	2.51E-07	3.32E-09	3.19E-07	5.38E-08	1.84E-07	2.38E-09	2.40E-07	6.10E-09	3.23E-08	5.66E-10	3.89E-08	5.55E-09	1.69E-08	1.71E-10	2.26E-08
695	470733.97	3819224.92	6.60E-08	2.56E-07	3.39E-09	3.25E-07	5.50E-08	1.88E-07	2.43E-09	2.46E-07	6.23E-09	3.30E-08	5.78E-10	3.98E-08	5.67E-09	1.73E-08	1.75E-10	2.31E-08
696	470268.44	3818778.35	4.34E-08	1.68E-07	2.23E-09	2.14E-07	3.62E-08	1.24E-07	1.60E-09	1.62E-07	4.10E-09	2.17E-08	3.81E-10	2.62E-08	3.73E-09	1.14E-08	1.15E-10	1.52E-08
697	470258.88	3818778.21	4.43E-08	1.72E-07	2.28E-09	2.19E-07	3.69E-08	1.26E-07	1.64E-09	1.65E-07	4.19E-09	2.21E-08	3.89E-10	2.67E-08	3.81E-09	1.16E-08	1.18E-10	1.55E-08
698	470249.31	3818778.08	4.51E-08	1.75E-07	2.32E-09	2.23E-07	3.76E-08	1.29E-07	1.66E-09	1.68E-07	4.26E-09	2.25E-08	3.96E-10	2.72E-08	3.87E-09	1.18E-08	1.20E-10	1.58E-08
699	470239.75	3818777.94	4.59E-08	1.78E-07	2.36E-09	2.26E-07	3.82E-08	1.31E-07	1.69E-09	1.71E-07	4.33E-09	2.29E-08	4.02E-10	2.76E-08	3.94E-09	1.20E-08	1.22E-10	1.60E-08
700	470230.19	3818777.81	4.65E-08	1.80E-07	2.39E-09	2.29E-07	3.88E-08	1.33E-07	1.72E-09	1.73E-07	4.39E-09	2.32E-08	4.08E-10	2.80E-08	3.99E-09	1.22E-08	1.23E-10	1.63E-08
701	470220.63	3818777.67	4.72E-08	1.83E-07	2.42E-09	2.33E-07	3.93E-08	1.34E-07	1.74E-09	1.76E-07	4.46E-09	2.36E-08	4.14E-10	2.84E-08	4.05E-09	1.23E-08	1.25E-10	1.65E-08
702	470211.07	3818777.54	4.78E-08	1.85E-07	2.45E-09	2.35E-07	3.98E-08	1.36E-07	1.76E-09	1.78E-07	4.51E-09	2.38E-08	4.19E-10	2.88E-08	4.10E-09	1.25E-08	1.27E-10	1.67E-08
703	470201.5	3818777.4	4.83E-08	1.87E-07	2.48E-09	2.38E-07	4.02E-08	1.38E-07	1.78E-09	1.79E-07	4.56E-09	2.41E-08	4.23E-10	2.91E-08	4.14E-09	1.26E-08	1.28E-10	1.69E-08
704	470191.94	3818777.27	4.87E-08	1.89E-07	2.50E-09	2.40E-07	4.05E-08	1.39E-07	1.79E-09	1.81E-07	4.59E-09	2.43E-08	4.26E-10	2.93E-08	4.18E-09	1.27E-08	1.29E-10	1.70E-08
705	470163.25	3818776.86	4.93E-08	1.91E-07	2.53E-09	2.43E-07	4.11E-08	1.40E-07	1.82E-09	1.83E-07	4.65E-09	2.46E-08	4.32E-10	2.97E-08	4.23E-09	1.29E-08	1.31E-10	1.72E-08
706	470153.69	3818776.73	4.93E-08	1.91E-07	2.54E-09	2.43E-07	4.11E-08	1.41E-07	1.82E-09	1.84E-07	4.66E-09	2.46E-08	4.32E-10	2.97E-08	4.24E-09	1.29E-08	1.31E-10	1.73E-08
707	470144.13	3818776.59	4.93E-08	1.91E-07	2.53E-09	2.43E-07	4.11E-08	1.41E-07	1.82E-09	1.83E-07	4.66E-09	2.46E-08	4.32E-10	2.97E-08	4.23E-09	1.29E-08	1.31E-10	1.73E-08
708	470134.57	3818776.46	4.91E-08	1.90E-07	2.52E-09	2.42E-07	4.09E-08	1.40E-07	1.81E-09	1.83E-07	4.64E-09	2.45E-08	4.30E-10	2.96E-08	4.22E-09	1.28E-08	1.30E-10	1.72E-08
709	470125.01	3818776.32	4.87E-08	1.89E-07	2.50E-09	2.40E-07	4.06E-08	1.39E-07	1.80E-09	1.81E-07	4.60E-09	2.43E-08	4.27E-10	2.94E-08	4.18E-09	1.27E-08	1.29E-10	1.71E-08
710	470115.44	3818776.19	4.83E-08	1.87E-07	2.48E-09	2.38E-07	4.02E-08	1.38E-07	1.78E-09	1.80E-07	4.56E-09	2.41E-08	4.23E-10	2.91E-08	4.15E-09	1.26E-08	1.28E-10	1.69E-08
711	470296.89	3818742.38	3.58E-08	1.39E-07	1.84E-09	1.76E-07	2.98E-08	1.02E-07	1.32E-09	1.33E-07	3.38E-09	1.79E-08	3.13E-10	2.16E-08	3.07E-09	9.35E-09	9.48E-11	1.25E-08
712	470305.65	3818746.14	3.54E-08	1.37E-07	1.82E-09	1.75E-07	2.95E-08	1.01E-07	1.31E-09	1.32E-07	3.34E-09	1.77E-08	3.10E-10	2.13E-08	3.04E-09	9.26E-09	9.39E-11	1.24E-08
713	470314.41	3818749.9	3.50E-08	1.36E-07	1.80E-09	1.73E-07	2.92E-08	9.98E-08	1.29E-09	1.30E-07	3.31E-09	1.75E-08	3.07E-10	2.11E-08	3.00E-09	9.15E-09	9.28E-11	1.22E-08
714	470323.18	3818753.66	3.46E-08	1.34E-07	1.78E-09	1.70E-07	2.88E-08	9.85E-08	1.28E-09	1.29E-07	3.26E-09	1.73E-08	3.03E-10	2.08E-08	2.97E-09	9.04E-09	9.17E-11	1.21E-08
715	470331.94	3818757.42	3.41E-08	1.32E-07	1.75E-09	1.68E-07	2.84E-08	9.73E-08	1.26E-09	1.27E-07	3.22E-09	1.70E-08	2.99E-10	2.06E-08	2.93E-09	8.92E-09	9.05E-11	1.19E-08
716	470340.7	3818761.18	3.36E-08	1.31E-07	1.73E-09	1.66E-07	2.80E-08	9.59E-08	1.24E-09	1.25E-07	3.18E-09	1.68E-08	2.95E-10	2.03E-08	2.89E-09	8.80E-09	8.92E-11	1.18E-08
717	470349.46	3818764.95	3.32E-08	1.29E-07	1.70E-09	1.63E-07	2.76E-08	9.45E-08	1.22E-09	1.23E-07	3.13E-09	1.66E-08	2.91E-10	2.00E-08	2.85E-09	8.67E-09	8.79E-11	1.16E-08
718	470358.23	3818768.71	3.27E-08	1.27E-07	1.68E-09	1.61E-07	2.72E-08	9.32E-08	1.21E-09	1.22E-07	3.09E-09	1.63E-08	2.87E-10	1.97E-08	2.81E-09	8.55E-09	8.67E-11	1.14E-08
719	470366.99	3818772.47	3.22E-08	1.25E-07	1.66E-09	1.59E-07	2.69E-08	9.19E-08	1.19E-09	1.20E-07	3.04E-09	1.61E-08	2.83E-10	1.94E-08	2.77E-09	8.43E-09	8.55E-11	1.13E-08
720	470375.75	3818776.23	3.18E-08	1.23E-07	1.63E-09	1.57E-07	2.65E-08	9.05E-08	1.17E-09	1.18E-07	3.00E-09	1.59E-08	2.78E-10	1.91E-08	2.73E-09	8.31E-09	8.42E-11	1.11E-08
721	470384.51	3818779.99	3.13E-08	1.21E-07	1.61E-09	1.54E-07	2.60E-08	8.91E-08	1.15E-09	1.16E-07	2.95E-09	1.56E-08	2.74E-10	1.88E-08	2.68E-09	8.17E-09	8.29E-11	1.09E-08
722	470393.27	3818783.75	3.07E-08	1.19E-07	1.58E-09	1.51E-07	2.56E-08	8.75E-08	1.13E-09	1.14E-07	2.90E-09	1.53E-08	2.69E-10	1.85E-08	2.64E-09	8.03E-09	8.14E-11	1.07E-08
723	470472.13	3818817.6	2.58E-08	1.00E-07	1.33E-09	1.27E-07	2.15E-08	7.37E-08	9.53E-10	9.61E-08	2.44E-09	1.29E-08	2.26E-10	1.56E-08	2.22E-09	6.76E-09	6.85E-11	9.04E-09
724	470480.89	3818821.36	2.53E-08	9.82E-08	1.30E-09	1.25E-07	2.11E-08	7.22E-08	9.34E-10	9.42E-08	2.39E-09	1.26E-08	2.22E-10	1.53E-08	2.17E-09	6.62E-09	6.71E-11	8.86E-09
725	470489.66	3818825.12	2.48E-08	9.62E-08	1.28E-09	1.22E-07	2.07E-08	7.07E-08	9.15E-10	9.23E-08	2.34E-09	1.24E-08	2.17E-10	1.50E-08	2.13E-09	6.49E-09	6.58E-11	8.68E-09
726	470498.42	3818828.88	2.43E-08	9.44E-08	1.25E-09	1.20E-07	2.03E-08	6.94E-08	8.98E-10	9.05E-08	2.30E-09	1.22E-08	2.13E-10	1.47E-08	2.09E-09	6.36E-09	6.45E-11	8.52E-09
727	470603.56	3818874.01	1.98E-08	7.67E-08	1.02E-09	9.74E-08	1.65E-08	5.63E-08	7.29E-10	7.35E-08	1.87E-09	9.87E-09	1.73E-10	1.19E-08	1.70E-09	5.17E-09	5.24E-11	6.92E-09
728	470612.33	3818877.77	1.95E-08	7.57E-08	1.00E-09	9.62E-08	1.63E-08	5.56E-08	7.20E-10	7.26E-08	1.84E-09	9.74E-09	1.71E-10	1.18E-08	1.68E-09	5.10E-09	5.17E-11	6.83E-09
729	470621.09	3818881.53	1.93E-08	7.49E-08	9.92E-10	9.51E-08	1.61E-08	5.50E-08	7.12E-10	7.18E-08	1.82E-09	9.64E-09	1.69E-10	1.16E-08	1.66E-09	5.05E-09	5.12E-11	6.75E-09
730	470629.85	3818885.29	1.91E-08	7.41E-08	9.81E-10	9.42E-08	1.59E-08	5.44E-08	7.04E-10	7.10E-08	1.80E-09	9.54E-09	1.67E-10	1.15E-08	1.64E-09	4.99E-09	5.06E-11	6.68E-09
731	470642.17	3818897.9	1.93E-08	7.49E-08	9.92E-10	9.51E-08	1.61E-08	5.50E-08	7.12E-10	7.18E-08	1.82E-09	9.64E-09	1.69E-10	1.16E-08	1.66E-09	5.05E-09	5.12E-11	6.75E-09
732	470645.73	3818906.74	1.97E-08	7.64E-08	1.01E-09	9.72E-08	1.64E-08	5.62E-08	7.27E-10	7.33E-08	1.86E-09	9.84E-09	1.73E-10	1.19E-08	1.69E-09	5.15E-09	5.23E-11	6.90E-09
733	470649.29	3818915.59	2.02E-08	7.82E-08	1.04E-09	9.94E-08	1.68E-08	5.74E-08	7.43E-10	7.50E-08	1.90E-09	1.01E-08	1.77E-10	1.21E-08	1.73E-09	5.27E-09	5.34E-11	7.05E-09
734	470652.86	3818924.43	2.06E-08	8.00E-08	1.06E-09	1.02E-07	1.72E-08	5.88E-08	7.61E-10	7.67E-08	1.95E-09	1.03E-08	1.81E-10	1.24E-08	1.77E-09	5.39E-09	5.47E-11	7.22E-09
735	470656.42	3818933.28	2.11E-08	8.20E-08	1.09E-09	1.04E-07	1.76E-08	6.03E-08	7.80E-10	7.87E-08	2.00E-09	1.06E-08	1.85E-10	1.27E-08	1.82E-09	5.53E-09	5.61E-11	7.40E-09
736	470667.1	3818959.81	2.29E-08	8.90E-08	1.18E-09	1.13E-07	1.91E-08	6.54E-08	8.46E-10	8.53E-08	2.17E-09	1.15E-08	2.01E-10	1.38E-08	1.97E-09	6.00E-09	6.08E-11	8.03E-09
737	470670.66	3818968.66	2.36E-08	9.16E-08	1.21E-09	1.16E-07	1.97E-08	6.73E-08	8.72E-10	8.79E-08	2.23E-09	1.18E-08	2.07E-10	1.42E-08	2.03E-09	6.18E-09	6.26E-11	8.27E-09
738	470674.22	3818977.5	2.44E-08	9.45E-08	1.25E-09	1.20E-07	2.03E-08	6.94E-08	8.98E-10	9.06E-08	2.30E-09	1.22E-08	2.13E-10	1.47E-08	2.09E-09	6.37E-09	6.46E-11	8.52E-09
739	470677.78	3818986.35	2.51E-08	9.75E-08	1.29E-09	1.24E-07	2.09E-08	7.16E-08	9.27E-10	9.35E-08	2.37E-09	1.26E-08	2.20E-10	1.51E-08	2.16E-09	6.57E-09	6.66E-11	8.80E-09
740	470681.34	3818995.19	2.60E-08	1.01E-07	1.33E-09	1.28E-07	2.16E-08	7.40E-08	9.58E-10	9.66E-08	2.45E-09	1.30E-08	2.28E-10	1.56E-08	2.23E-09	6.79E-09	6.88E-11	9.09E-09
741	470684.9	3819004.04	2.68E-08	1.04E-07	1.38E-09	1.32E-07	2.24E-08	7.65E-08	9.90E-10	9.99E-08	2.54E-09	1.34E-08	2.35E-10	1.62E-08	2.30E-09	7.02E-09	7.12E-11	9.39E-09
742	470688.47	3819012.88	2.78E-08	1.08E-07	1.43E-09	1.37E-07	2.31E-08	7.91E-08	1.02E-09	1.03E-07	2.62E-09	1.39E-08	2.43E-10	1.67E-08	2.38E-09	7.26E-09	7.36E-11	9.72E-09
743	470692.03	3819021.73	2.87E-08	1.11E-07	1.48E-09	1.42E-07	2.39E-08	8.19E-08	1.06E-09	1.07E-07	2.71E-09	1.44E-08	2.52E-10	1.73E-08	2.47E-09	7.51E-09	7.62E-11	1.01E-08
744	470695.59	3819030.57	2.98E-08	1.15E-07	1.53E-09	1.47E-07	2.48E-08	8.48E-08	1.10E-09	1.11E-07	2.81E-09	1.49E-08	2.61E-10	1.79E-08	2.56E-09	7.78E-09	7.89E-11	1.04E-08
745	470699.15	3819039.42	3.08E-08	1.20E-07	1.59E-09	1.52E-07	2.57E-08	8.79E-08	1.14E-09	1.15E-07	2.91E-09	1.54E-08	2.70E-10	1.86E-08	2.65E-09	8.06E-09	8.18E-11	1.08E-08
746	470702.71	3819048.26	3.20E-08	1.24E-07	1.64E-09	1.58E-07	2.66E-08	9.11E-08	1.18E-09	1.19E-07	3.02E-09	1.60E-08	2.80E-10	1.93E-08	2.74E-09	8.36E-09	8.47E-11	1.12E-08
747	470706.27	3819057.11	3.31E-08	1.29E-07	1.70E-09	1.63E-07	2.76E-08	9.44E-08	1.22E-09	1.23E-07	3.13E-09	1.65E-08	2.90E-10	2.00E-08	2.84E-09	8.66E-09	8.78E-11	1.16E-08
748	470709.83	3819065.95	3.44E-08	1.33E-07	1.76E-09	1.69E-07	2.86E-08	9.79E-08	1.27E-09	1.28E-07	3.24E-09	1.71E-08	3.01E-10	2.07E-08	2.95E-09	8.98E-09	9.11E-11	1.20E-08
749	470713.39	3819074.8	3.56E-08	1.38E-07	1.83E-09	1.75E-07	2.97E-08	1.01E-07	1.31E-09	1.32E-07	3.36E-09	1.78E-08	3.12E-10	2.14E-08	3.06E-09	9.31E-09	9.44E-11	1.25E-08
750	470716.95	3819083.64	3.69E-08	1.43E-07	1.90E-09	1.82E-07	3.07E-08	1.05E-07	1.36E-09	1.37E-07	3.48E-09	1.84E-08	3.23E-10	2.22E-08	3.17E-09	9.64E-09	9.78E-11	1.29E-08
751	470720.51	3819092.49	3.82E-08	1.48E-07	1.96E-09	1.88E-07	3.18E-08	1.09E-07	1.41E-09	1.42E-07	3.61E-09	1.91E-08	3.35E-10	2.30E-08	3.28E-09	9.99E-09	1.01E-10	1.34E-08
752	470724.08	3819101.33	3.96E-08	1.53E-07	2.03E-09	1.95E-07	3.30E-08	1.13E-07	1.46E-09	1.47E-07	3.74E-09	1.98E-08	3.47E-10	2.38E-08	3.40E-09	1.03E-08	1.05E-10	1.38E-08
753	470727.64	3819110.18	4.09E-08	1.59E-07	2.10E-09	2.02E-07	3.41E-08	1.17E-07	1.51E-09	1.52E-07	3.87E-09	2.04E-08	3.59E-10	2.47E-08	3.51E-09	1.07E-08	1.09E-10	1.43E-08
754	470731.2	3819119.02	4.23E-08	1.64E-07	2.17E-09	2.09E-07	3.52E-08	1.21E-07	1.56E-09	1.57E-07	4.00E-09	2.11E-08	3.71E-10	2.55E-08	3.63E-09	1.11E-08	1.12E-10	1.48E-08
755	470734.76	3819127.87	4.37E-08	1.70E-07	2.25E-09	2.15E-07	3.64E-08	1.25E-07	1.61E-09	1.63E-07	4.13E-09	2.18E-08	3.83E-10	2.63E-08	3.75E-09	1.14E-08	1.16E-10	1.53E-08
756	470738.32	3819136.72	4.51E-08	1.75E-07	2.32E-09	2.22E-07	3.76E-08	1.29E-07	1.66E-09	1.68E-07	4.26E-09	2.25E-08	3.95E-10	2.72E-08	3.87E-09	1.18E-08	1.20E-10	1.58E-08
757	470741.88	3819145.56	4.65E-08	1.80E-07	2.39E-09	2.29E-07	3.88E-08	1.33E-07	1.72E-09	1.73E-07	4.39E-09	2.32E-08	4.08E-10	2.80E-08	4.00E-09	1.22E-08	1.23E-10	1.63E-08
758	470745.44	3819154.41	4.80E-08	1.86E-07	2.46E-09	2.36E-07	3.99E-08	1.37E-07	1.77E-09	1.78E-07	4.53E-09	2.39E-08	4.20E-10	2.89E-08	4.12E-09	1.25E-08	1.27E-10	1.68E-08
759	470749	3819163.25	4.94E-08	1.91E-07	2.54E-09	2.43E-07	4.11E-08	1.41E-07	1.82E-09	1.84E-07	4.66E-09	2.46E-08	4.33E-10	2.97E-08	4.24E-09	1.29E-08	1.31E-10	1.73E-08
760	470752.56	3819172.1	5.08E-08	1.97E-07	2.61E-09	2.50E-07	4.23E-08	1.45E-07	1.87E-09	1.89E-07	4.79E-09	2.53E-08	4.45E-10	3.06E-08	4.36E-09	1.33E-08	1.35E-10	1.78E-08
761	470756.12	3819180.94	5.21E-08	2.02E-07	2.68E-09	2.57E-07	4.34E-08	1.49E-07	1.92E-09	1.94E-07	4.92E-09	2.60E-08	4.57E-10	3.14E-08	4.47E-09	1.36E-08	1.38E-10	1.82E-08
762	470759.69	3819189.79	5.35E-08	2.07E-07	2.75E-09	2.64E-07	4.45E-08	1.52E-07	1.97E-09	1.99E-07	5.05E-09	2.67E-08	4.68E-10	3.22E-08	4.59E-09	1.40E-08	1.42E-10	1.87E-08
763	470763.25	3819198.63	5.47E-08	2.12E-07	2.81E-09	2.70E-07	4.56E-08	1.56E-07	2.02E-09	2.04E-07	5.17E-09	2.73E-08	4.80E-10	3.30E-08	4.70E-09	1.43E-08	1.45E-10	1.92E-08
764	470766.81	3819207.48	5.60E-08	2.17E-07	2.88E-09	2.76E-07	4.66E-08	1.60E-07	2.06E-09	2.08E-07	5.29E-09	2.79E-08	4.90E-10	3.37E-08	4.80E-09	1.46E-08	1.48E-10	1.96E-08

765	470770.37	3819216.32	5.71E-08	2.22E-07	2.94E-09	2.82E-07	4.76E-08	1.63E-07	2.11E-09	2.13E-07	5.40E-09	2.85E-08	5.01E-10	3.44E-08	4.91E-09	1.49E-08	1.51E-10	2.00E-08
766	470773.93	3819225.17	5.83E-08	2.26E-07	2.99E-09	2.87E-07	4.85E-08	1.66E-07	2.15E-09	2.17E-07	5.50E-09	2.91E-08	5.11E-10	3.51E-08	5.00E-09	1.52E-08	1.54E-10	2.04E-08
767	470288.13	3818738.62	3.61E-08	1.40E-07	1.86E-09	1.78E-07	3.01E-08	1.03E-07	1.33E-09	1.34E-07	3.41E-09	1.80E-08	3.16E-10	2.18E-08	3.10E-09	9.44E-09	9.57E-11	1.26E-08
768	470278.57	3818738.48	3.68E-08	1.43E-07	1.89E-09	1.82E-07	3.07E-08	1.05E-07	1.36E-09	1.37E-07	3.48E-09	1.84E-08	3.23E-10	2.22E-08	3.16E-09	9.63E-09	9.77E-11	1.29E-08
769	470269	3818738.35	3.76E-08	1.46E-07	1.93E-09	1.85E-07	3.13E-08	1.07E-07	1.39E-09	1.40E-07	3.55E-09	1.88E-08	3.29E-10	2.26E-08	3.23E-09	9.82E-09	9.96E-11	1.31E-08
770	470259.44	3818738.21	3.83E-08	1.48E-07	1.97E-09	1.89E-07	3.19E-08	1.09E-07	1.41E-09	1.42E-07	3.61E-09	1.91E-08	3.35E-10	2.31E-08	3.28E-09	1.00E-08	1.01E-10	1.34E-08
771	470249.88	3818738.08	3.90E-08	1.51E-07	2.00E-09	1.92E-07	3.25E-08	1.11E-07	1.44E-09	1.45E-07	3.68E-09	1.95E-08	3.42E-10	2.35E-08	3.35E-09	1.02E-08	1.03E-10	1.36E-08
772	470240.32	3818737.94	3.96E-08	1.54E-07	2.04E-09	1.95E-07	3.30E-08	1.13E-07	1.46E-09	1.47E-07	3.74E-09	1.98E-08	3.47E-10	2.39E-08	3.40E-09	1.04E-08	1.05E-10	1.39E-08
773	470230.75	3818737.81	4.02E-08	1.56E-07	2.07E-09	1.98E-07	3.35E-08	1.15E-07	1.48E-09	1.50E-07	3.80E-09	2.01E-08	3.53E-10	2.42E-08	3.45E-09	1.05E-08	1.07E-10	1.41E-08
774	470221.19	3818737.67	4.08E-08	1.58E-07	2.10E-09	2.01E-07	3.40E-08	1.16E-07	1.50E-09	1.52E-07	3.85E-09	2.04E-08	3.57E-10	2.46E-08	3.50E-09	1.07E-08	1.08E-10	1.43E-08
775	470211.63	3818737.54	4.13E-08	1.60E-07	2.12E-09	2.03E-07	3.44E-08	1.18E-07	1.52E-09	1.53E-07	3.90E-09	2.06E-08	3.62E-10	2.49E-08	3.54E-09	1.08E-08	1.09E-10	1.44E-08
776	470202.07	3818737.4	4.17E-08	1.62E-07	2.14E-09	2.05E-07	3.47E-08	1.19E-07	1.54E-09	1.55E-07	3.93E-09	2.08E-08	3.65E-10	2.51E-08	3.58E-09	1.09E-08	1.10E-10	1.46E-08
777	470192.51	3818737.27	4.20E-08	1.63E-07	2.16E-09	2.07E-07	3.50E-08	1.20E-07	1.55E-09	1.56E-07	3.97E-09	2.10E-08	3.68E-10	2.53E-08	3.61E-09	1.10E-08	1.11E-10	1.47E-08
778	470182.94	3818737.13	4.23E-08	1.64E-07	2.17E-09	2.08E-07	3.52E-08	1.20E-07	1.56E-09	1.57E-07	3.99E-09	2.11E-08	3.70E-10	2.55E-08	3.63E-09	1.10E-08	1.12E-10	1.48E-08
779	470173.38	3818737	4.24E-08	1.65E-07	2.18E-09	2.09E-07	3.54E-08	1.21E-07	1.57E-09	1.58E-07	4.01E-09	2.12E-08	3.72E-10	2.56E-08	3.64E-09	1.11E-08	1.13E-10	1.49E-08
780	470163.82	3818736.86	4.25E-08	1.65E-07	2.19E-09	2.10E-07	3.54E-08	1.21E-07	1.57E-09	1.58E-07	4.02E-09	2.12E-08	3.73E-10	2.56E-08	3.65E-09	1.11E-08	1.13E-10	1.49E-08
781	470154.26	3818736.73	4.26E-08	1.65E-07	2.19E-09	2.10E-07	3.55E-08	1.21E-07	1.57E-09	1.58E-07	4.02E-09	2.13E-08	3.73E-10	2.56E-08	3.65E-09	1.11E-08	1.13E-10	1.49E-08
782	470144.69	3818736.59	4.25E-08	1.65E-07	2.18E-09	2.10E-07	3.54E-08	1.21E-07	1.57E-09	1.58E-07	4.01E-09	2.12E-08	3.73E-10	2.56E-08	3.65E-09	1.11E-08	1.13E-10	1.49E-08
783	470135.13	3818736.46	4.24E-08	1.64E-07	2.18E-09	2.09E-07	3.53E-08	1.21E-07	1.56E-09	1.58E-07	4.00E-09	2.12E-08	3.71E-10	2.55E-08	3.64E-09	1.11E-08	1.12E-10	1.48E-08
784	470125.57	3818736.32	4.22E-08	1.64E-07	2.17E-09	2.08E-07	3.51E-08	1.20E-07	1.56E-09	1.57E-07	3.98E-09	2.11E-08	3.70E-10	2.54E-08	3.62E-09	1.10E-08	1.12E-10	1.48E-08
785	470116.01	3818736.19	4.19E-08	1.63E-07	2.15E-09	2.07E-07	3.49E-08	1.19E-07	1.55E-09	1.56E-07	3.96E-09	2.09E-08	3.67E-10	2.52E-08	3.60E-09	1.10E-08	1.11E-10	1.47E-08
786	470297.3	3818702.32	3.14E-08	1.22E-07	1.62E-09	1.55E-07	2.62E-08	8.96E-08	1.16E-09	1.17E-07	2.97E-09	1.57E-08	2.76E-10	1.89E-08	2.70E-09	8.22E-09	8.34E-11	1.10E-08
787	470305.9	3818706.01	3.11E-08	1.21E-07	1.60E-09	1.54E-07	2.59E-08	8.87E-08	1.15E-09	1.16E-07	2.94E-09	1.55E-08	2.73E-10	1.88E-08	2.67E-09	8.14E-09	8.26E-11	1.09E-08
788	470314.5	3818709.7	3.08E-08	1.20E-07	1.58E-09	1.52E-07	2.57E-08	8.78E-08	1.14E-09	1.15E-07	2.91E-09	1.54E-08	2.70E-10	1.86E-08	2.65E-09	8.06E-09	8.17E-11	1.08E-08
789	470323.1	3818713.39	3.05E-08	1.18E-07	1.57E-09	1.50E-07	2.54E-08	8.69E-08	1.12E-09	1.13E-07	2.88E-09	1.52E-08	2.67E-10	1.84E-08	2.62E-09	7.97E-09	8.08E-11	1.07E-08
790	470331.71	3818717.09	3.01E-08	1.17E-07	1.55E-09	1.48E-07	2.51E-08	8.58E-08	1.11E-09	1.12E-07	2.84E-09	1.50E-08	2.64E-10	1.81E-08	2.59E-09	7.87E-09	7.98E-11	1.05E-08
791	470340.31	3818720.78	2.97E-08	1.15E-07	1.53E-09	1.47E-07	2.48E-08	8.47E-08	1.10E-09	1.11E-07	2.81E-09	1.48E-08	2.61E-10	1.79E-08	2.55E-09	7.77E-09	7.88E-11	1.04E-08
792	470348.91	3818724.47	2.93E-08	1.14E-07	1.51E-09	1.45E-07	2.44E-08	8.36E-08	1.08E-09	1.09E-07	2.77E-09	1.46E-08	2.57E-10	1.77E-08	2.52E-09	7.67E-09	7.78E-11	1.03E-08
793	470357.52	3818728.16	2.90E-08	1.12E-07	1.49E-09	1.43E-07	2.41E-08	8.26E-08	1.07E-09	1.08E-07	2.74E-09	1.45E-08	2.54E-10	1.75E-08	2.49E-09	7.57E-09	7.68E-11	1.01E-08
794	470366.12	3818731.86	2.86E-08	1.11E-07	1.47E-09	1.41E-07	2.38E-08	8.15E-08	1.06E-09	1.06E-07	2.70E-09	1.43E-08	2.51E-10	1.72E-08	2.46E-09	7.48E-09	7.58E-11	1.00E-08
795	470469.35	3818776.16	2.35E-08	9.12E-08	1.21E-09	1.16E-07	1.96E-08	6.70E-08	8.67E-10	8.75E-08	2.22E-09	1.17E-08	2.06E-10	1.42E-08	2.02E-09	6.15E-09	6.23E-11	8.23E-09
796	470477.95	3818779.86	2.31E-08	8.95E-08	1.19E-09	1.14E-07	1.92E-08	6.58E-08	8.51E-10	8.58E-08	2.18E-09	1.15E-08	2.02E-10	1.39E-08	1.98E-09	6.03E-09	6.12E-11	8.07E-09
797	470486.56	3818783.55	2.26E-08	8.78E-08	1.16E-09	1.12E-07	1.89E-08	6.45E-08	8.35E-10	8.42E-08	2.14E-09	1.13E-08	1.98E-10	1.36E-08	1.94E-09	5.92E-09	6.00E-11	7.92E-09
798	470495.16	3818787.24	2.22E-08	8.61E-08	1.14E-09	1.09E-07	1.85E-08	6.33E-08	8.19E-10	8.26E-08	2.10E-09	1.11E-08	1.94E-10	1.34E-08	1.91E-09	5.80E-09	5.88E-11	7.77E-09
799	470503.76	3818790.93	2.18E-08	8.45E-08	1.12E-09	1.07E-07	1.81E-08	6.21E-08	8.03E-10	8.10E-08	2.06E-09	1.09E-08	1.91E-10	1.31E-08	1.87E-09	5.69E-09	5.77E-11	7.62E-09
800	470512.37	3818794.63	2.14E-08	8.30E-08	1.10E-09	1.05E-07	1.78E-08	6.10E-08	7.89E-10	7.96E-08	2.02E-09	1.07E-08	1.87E-10	1.29E-08	1.84E-09	5.59E-09	5.67E-11	7.49E-09
801	470624.2	3818842.63	1.72E-08	6.66E-08	8.82E-10	8.47E-08	1.43E-08	4.89E-08	6.33E-10	6.39E-08	1.62E-09	8.57E-09	1.50E-10	1.03E-08	1.47E-09	4.49E-09	4.55E-11	6.01E-09
802	470632.8	3818846.32	1.70E-08	6.58E-08	8.72E-10	8.36E-08	1.41E-08	4.84E-08	6.26E-10	6.31E-08	1.60E-09	8.47E-09	1.49E-10	1.02E-08	1.46E-09	4.44E-09	4.50E-11	5.94E-09
803	470641.41	3818850.01	1.68E-08	6.51E-08	8.62E-10	8.27E-08	1.40E-08	4.78E-08	6.19E-10	6.24E-08	1.58E-09	8.37E-09	1.47E-10	1.01E-08	1.44E-09	4.38E-09	4.45E-11	5.87E-09
804	470650.01	3818853.7	1.66E-08	6.44E-08	8.53E-10	8.18E-08	1.38E-08	4.73E-08	6.12E-10	6.18E-08	1.57E-09	8.29E-09	1.45E-10	1.00E-08	1.43E-09	4.34E-09	4.40E-11	5.81E-09
805	470658.61	3818857.4	1.64E-08	6.38E-08	8.45E-10	8.11E-08	1.37E-08	4.69E-08	6.06E-10	6.12E-08	1.55E-09	8.21E-09	1.44E-10	9.91E-09	1.41E-09	4.30E-09	4.36E-11	5.75E-09
806	470670.71	3818869.77	1.66E-08	6.44E-08	8.53E-10	8.18E-08	1.38E-08	4.73E-08	6.12E-10	6.17E-08	1.57E-09	8.29E-09	1.45E-10	1.00E-08	1.42E-09	4.34E-09	4.40E-11	5.81E-09
807	470674.21	3818878.46	1.69E-08	6.56E-08	8.69E-10	8.34E-08	1.41E-08	4.82E-08	6.24E-10	6.29E-08	1.60E-09	8.45E-09	1.48E-10	1.02E-08	1.45E-09	4.42E-09	4.49E-11	5.92E-09
808	470677.7	3818887.14	1.73E-08	6.70E-08	8.87E-10	8.51E-08	1.44E-08	4.92E-08	6.37E-10	6.42E-08	1.63E-09	8.62E-09	1.51E-10	1.04E-08	1.48E-09	4.51E-09	4.58E-11	6.04E-09
809	470681.2	3818895.83	1.76E-08	6.84E-08	9.06E-10	8.70E-08	1.47E-08	5.03E-08	6.51E-10	6.56E-08	1.67E-09	8.81E-09	1.55E-10	1.06E-08	1.51E-09	4.61E-09	4.68E-11	6.17E-09
810	470684.7	3818904.51	1.80E-08	7.00E-08	9.27E-10	8.89E-08	1.50E-08	5.14E-08	6.65E-10	6.71E-08	1.70E-09	9.01E-09	1.58E-10	1.09E-08	1.55E-09	4.72E-09	4.78E-11	6.31E-09
811	470688.19	3818913.2	1.85E-08	7.17E-08	9.49E-10	9.11E-08	1.54E-08	5.27E-08	6.81E-10	6.87E-08	1.74E-09	9.22E-09	1.62E-10	1.11E-08	1.59E-09	4.83E-09	4.90E-11	6.46E-09
812	470691.69	3818921.88	1.89E-08	7.34E-08	9.73E-10	9.34E-08	1.58E-08	5.40E-08	6.98E-10	7.04E-08	1.79E-09	9.45E-09	1.66E-10	1.14E-08	1.63E-09	4.95E-09	5.02E-11	6.63E-09
813	470695.19	3818930.56	1.94E-08	7.54E-08	9.99E-10	9.58E-08	1.62E-08	5.54E-08	7.17E-10	7.23E-08	1.84E-09	9.70E-09	1.70E-10	1.17E-08	1.67E-09	5.08E-09	5.15E-11	6.80E-09
814	470698.68	3818939.25	2.00E-08	7.74E-08	1.03E-09	9.84E-08	1.66E-08	5.69E-08	7.36E-10	7.43E-08	1.89E-09	9.97E-09	1.75E-10	1.20E-08	1.71E-09	5.22E-09	5.29E-11	6.98E-09
815	470702.18	3818947.93	2.05E-08	7.96E-08	1.05E-09	1.01E-07	1.71E-08	5.85E-08	7.57E-10	7.63E-08	1.94E-09	1.02E-08	1.80E-10	1.24E-08	1.76E-09	5.37E-09	5.44E-11	7.18E-09
816	470705.67	3818956.62	2.11E-08	8.19E-08	1.09E-09	1.04E-07	1.76E-08	6.02E-08	7.79E-10	7.86E-08	1.99E-09	1.05E-08	1.85E-10	1.27E-08	1.81E-09	5.52E-09	5.60E-11	7.39E-09
817	470709.17	3818965.3	2.17E-08	8.43E-08	1.12E-09	1.07E-07	1.81E-08	6.20E-08	8.02E-10	8.09E-08	2.05E-09	1.09E-08	1.91E-10	1.31E-08	1.87E-09	5.69E-09	5.77E-11	7.61E-09
818	470712.67	3818973.99	2.24E-08	8.69E-08	1.15E-09	1.10E-07	1.87E-08	6.39E-08	8.27E-10	8.34E-08	2.12E-09	1.12E-08	1.96E-10	1.35E-08	1.92E-09	5.86E-09	5.94E-11	7.84E-09
819	470716.16	3818982.67	2.31E-08	8.96E-08	1.19E-09	1.14E-07	1.93E-08	6.59E-08	8.52E-10	8.60E-08	2.18E-09	1.15E-08	2.03E-10	1.39E-08	1.98E-09	6.04E-09	6.13E-11	8.09E-09
820	470719.66	3818991.35	2.38E-08	9.25E-08	1.23E-09	1.18E-07	1.99E-08	6.80E-08	8.80E-10	8.87E-08	2.25E-09	1.19E-08	2.09E-10	1.44E-08	2.05E-09	6.23E-09	6.32E-11	8.35E-09
821	470723.16	3819000.04	2.46E-08	9.55E-08	1.27E-09	1.21E-07	2.05E-08	7.02E-08	9.08E-10	9.16E-08	2.33E-09	1.23E-08	2.16E-10	1.48E-08	2.11E-09	6.44E-09	6.53E-11	8.62E-09
822	470726.65	3819008.72	2.54E-08	9.87E-08	1.31E-09	1.25E-07	2.12E-08	7.25E-08	9.38E-10	9.46E-08	2.40E-09	1.27E-08	2.23E-10	1.53E-08	2.18E-09	6.65E-09	6.75E-11	8.90E-09
823	470730.15	3819017.41	2.63E-08	1.02E-07	1.35E-09	1.30E-07	2.19E-08	7.50E-08	9.70E-10	9.78E-08	2.48E-09	1.31E-08	2.30E-10	1.58E-08	2.26E-09	6.88E-09	6.97E-11	9.20E-09
824	470733.64	3819026.09	2.72E-08	1.05E-07	1.40E-09	1.34E-07	2.26E-08	7.75E-08	1.00E-09	1.01E-07	2.57E-09	1.36E-08	2.38E-10	1.64E-08	2.33E-09	7.11E-09	7.21E-11	9.51E-09
825	470737.14	3819034.78	2.81E-08	1.09E-07	1.44E-09	1.39E-07	2.34E-08	8.01E-08	1.04E-09	1.05E-07	2.66E-09	1.40E-08	2.46E-10	1.69E-08	2.41E-09	7.35E-09	7.45E-11	9.84E-09
826	470740.64	3819043.46	2.91E-08	1.13E-07	1.49E-09	1.43E-07	2.42E-08	8.29E-08	1.07E-09	1.08E-07	2.75E-09	1.45E-08	2.55E-10	1.75E-08	2.50E-09	7.60E-09	7.71E-11	1.02E-08
827	470744.13	3819052.14	3.01E-08	1.17E-07	1.55E-09	1.48E-07	2.51E-08	8.57E-08	1.11E-09	1.12E-07	2.84E-09	1.50E-08	2.64E-10	1.81E-08	2.58E-09	7.86E-09	7.97E-11	1.05E-08
828	470747.63	3819060.83	3.11E-08	1.21E-07	1.60E-09	1.53E-07	2.59E-08	8.86E-08	1.15E-09	1.16E-07	2.94E-09	1.55E-08	2.73E-10	1.87E-08	2.67E-09	8.13E-09	8.25E-11	1.09E-08
829	470751.13	3819069.51	3.22E-08	1.25E-07	1.65E-09	1.59E-07	2.68E-08	9.16E-08	1.19E-09	1.20E-07	3.04E-09	1.61E-08	2.82E-10	1.94E-08	2.76E-09	8.41E-09	8.53E-11	1.13E-08
830	470754.62	3819078.2	3.32E-08	1.29E-07	1.71E-09	1.64E-07	2.77E-08	9.47E-08	1.23E-09	1.24E-07	3.14E-09	1.66E-08	2.91E-10	2.00E-08	2.85E-09	8.69E-09	8.81E-11	1.16E-08
831	470758.12	3819086.88	3.43E-08	1.33E-07	1.76E-09	1.69E-07	2.86E-08	9.79E-08	1.27E-09	1.28E-07	3.24E-09	1.71E-08	3.01E-10	2.07E-08	2.95E-09	8.98E-09	9.10E-11	1.20E-08
832	470761.61	3819095.57	3.55E-08	1.38E-07	1.82E-09	1.75E-07	2.95E-08	1.01E-07	1.31E-09	1.32E-07	3.35E-09	1.77E-08	3.11E-10	2.14E-08	3.04E-09	9.27E-09	9.40E-11	1.24E-08
833	470765.11	3819104.25	3.66E-08	1.42E-07	1.88E-09	1.80E-07	3.05E-08	1.04E-07	1.35E-09	1.36E-07	3.46E-09	1.83E-08	3.21E-10	2.21E-08	3.14E-09	9.57E-09	9.70E-11	1.28E-08
834	470768.61	3819112.93	3.78E-08	1.46E-07	1.94E-09	1.86E-07	3.14E-08	1.08E-07	1.39E-09	1.40E-07	3.57E-09	1.89E-08	3.31E-10	2.27E-08	3.24E-09	9.87E-09	1.00E-10	1.32E-08
835	470772.1	3819121.62	3.89E-08	1.51E-07	2.00E-09	1.92E-07	3.24E-08	1.11E-07	1.44E-09	1.45E-07	3.68E-09	1.94E-08	3.41E-10	2.34E-08	3.34E-09	1.02E-08	1.03E-10	1.36E-08
836	470775.6	3819130.3	4.01E-08	1.56E-07	2.06E-09	1.98E-07	3.34E-08	1.14E-07	1.48E-09	1.49E-07	3.79E-09	2.00E-08	3.51E-10	2.42E-08	3.44E-09	1.05E-08	1.06E-10	1.40E-08
837	470779.1	3819138.99	4.13E-08	1.60E-07	2.12E-09	2.03E-07	3.44E-08	1.18E-07	1.52E-09	1.53E-07	3.90E-09	2.06E-08	3.62E-10	2.49E-08	3.54E-09	1.08E-08	1.09E-10	1.44E-08
838	470782.59	3819147.67	4.24E-08	1.65E-07	2.18E-09	2.09E-07	3.53E-08	1.21E-07	1.56E-09	1.58E-07	4.01E-09	2.12E-08	3.72E-10	2.56E-08	3.64E-09	1.11E-08	1.12E-10	1.48E-08
839	470786.09	3819156.36	4.36E-08	1.69E-07	2.24E-09	2.15E-07	3.63E-08	1.24E-07	1.61E-09	1.62E-07	4.12E-09	2.18E-08	3.82E-10	2.63E-08	3.74E-09	1.14E-08	1.16E-10	1.53E-08
840	470789.58	3819165.04	4.47E-08	1.74E-07	2.30E-09	2.21E-07	3.73E-08	1.27E-07	1.65E-09	1.66E-07	4.22E-09	2.23E-08	3.92E-10	2.70E-08	3.84E-09	1.17E-08	1.19E-10	1.57E-08
841	470793.08	3819173.73	4.59E-08	1.78E-07	2.36E-09	2.26E-07	3.82E-08	1.31E-07	1.69E-09	1.71E-07	4.33E-09	2.29E-08	4.02E-10	2.76E-08	3.94E-09	1.20E-08	1.22E-10	1.60E-08
842	470796.58	3819182.41	4.69E-08	1.82E-07	2.41E-09	2.31E-07	3.91E-08	1.34E-07	1.73E-09	1.75E-07	4.43E-09	2.34E-08	4.11E-10	2.83E-08	4.03E-09	1.23E-08	1.24E-10	1.64E-08
843	470800.07	3819191.09	4.80E-08	1.86E-07	2.47E-09	2.37E-07	4.00E-08	1.37E-07	1.77E-09	1.79E-07	4.53E-09	2.40E-08	4.21E-10	2.89E-08	4.12E-09	1.25E-08	1.27E-10	1.68E-08
844	470803.57	3819199.78	4.90E-08	1.90E-07	2.52E-09	2.42E-07	4.08E-08	1.40E-07	1.81E-09	1.82E-07	4.63E-09	2.45E-08	4.30E-10	2.95E-08	4.21E-09	1.28E-08	1.30E-10	1.72E-08
845	470807.07	3819208.46	5.00E-08	1.94E-07	2.57E-09	2.46E-07	4.16E-08	1.42E-07	1.84E-09	1.86E-07	4.72E-09	2.50E-08	4.38E-10	3.01E-08	4.29E-09	1.31E-08	1.33E-10	1.75E-08
846	470810.56	3819217.15	5.09E-08	1.98E-07	2.62E-09	2.51E-07	4.24E-08	1.45E-07	1.88E-09	1.89E-07	4.81E-09	2.54E-08	4.46E-10	3.07E-08	4.37E-09	1.33E-08	1.35E-10	1.78E-08
847	470288.69	3818698.62	3.17E-08	1.23E-07	1.63E-09	1.56E-07	2.64E-08	9.04E-08	1.17E-09	1.18E-07	2.99E-09	1.58E-08	2.78E-10	1.91E-08	2.72E-09	8.29E-09	8.41E-11	1.11E-08
848	470279.13	3818698.49	3.24E-08	1.26E-07	1.66E-09	1.60E-07	2.70E-08	9.22E-08	1.19E-09	1.20E-07	3.06E-09	1.62E-08	2.84E-10	1.95E-08	2.78E-09	8.46E-09	8.58E-11	1.13E-08
849	470269.57	3818698.35	3.30E-08	1.28E-07	1.70E-09	1.63E-07	2.75E-08	9.40E-08	1.22E-09	1.23E-07	3.12E-09	1.65E-08	2.89E-10	1.99E-08	2.83E-09	8.62E-09	8.75E-11	1.15E-08
850	470260.01	3818698.22	3.36E-08	1.30E-07	1.73E-09	1.66E-07	2.80E-08	9.57E-08	1.24E-09	1.25E-07	3.17E-09	1.68E-08	2.94E-10	2.02E-08	2.88E-09	8.78E-09	8.90E-11	1.18E-08
851	470250.44	3818698.08	3.41E-08	1.32E-07	1.75E-09	1.68E-07	2.84E-08	9.73E-08	1.26E-09	1.27E-07	3.22E-09	1.70E-08	2.99E-10	2.06E-08	2.93E-09	8.93E-09	9.05E-11	1.19E-08
852	470240.88	3818697.95	3.47E-08	1.34E-07	1.78E-09	1.71E-07	2.89E-08	9.88E-08	1.28E-09	1.29E-07	3.27E-09	1.73E-08	3.04E-10	2.09E-08	2.98E-09	9.06E-09	9.19E-11	1.21E-08
853	470231.32	3818697.81	3.51E-08	1.36E-07	1.81E-09	1.73E-07	2.93E-08	1.00E-07	1.30E-09	1.31E-07	3.32E-09	1.75E-08	3.08E-10	2.12E-08	3.02E-09	9.19E-09	9.32E-11	1.23E-08
854	470221.76	3818697.68	3.56E-08	1.38E-07	1.83E-09	1.75E-07	2.96E-08	1.01E-07	1.31E-09	1.32E-07	3.36E-09	1.78E-08	3.12E-10	2.14E-08	3.06E-09	9.30E-09	9.43E-11	1.25E-08
855	470212.2	3818697.54	3.60E-08	1.40E-07	1.85E-09	1.77E-07	3.00E-08	1.03E-07	1.33E-09	1.34E-07	3.40E-09	1.80E-08	3.15E-10	2.17E-08	3.09E-09	9.41E-09	9.54E-11	1.26E-08
856	470202.63	3818697.41	3.63E-08	1.41E-07	1.87E-09	1.79E-07	3.03E-08	1.04E-07	1.34E-09	1.35E-07	3.43E-09	1.81E-08	3.19E-10	2.19E-08	3.12E-09	9.50E-09	9.64E-11	1.27E-08
857	470193.07	3818697.27	3.66E-08	1.42E-07	1.88E-09	1.81E-07	3.05E-08	1.04E-07	1.35E-09	1.36E-07	3.46E-09	1.83E-08	3.21E-10	2.21E-08	3.14E-09	9.58E-09	9.71E-11	1.28E-08
858	470183.51	3818697.14	3.69E-08	1.43E-07	1.89E-09	1.82E-07	3.07E-08	1.05E-07	1.36E-09	1.37E-07	3.48E-09	1.84E-08	3.23E-10	2.22E-08	3.16E-09	9.64E-09	9.77E-11	1.29E-08
859	470173.95	3818697	3.70E-08	1.44E-07	1.90E-09	1.83E-07	3.08E-08	1.06E-07	1.37E-09	1.38E-07	3.50E-09	1.85E-08	3.24E-10	2.23E-08	3.18E-09	9.68E-09	9.82E-11	1.30E-08
860	470164.38	3818696.87	3.71E-08	1.44E-07	1.91E-09	1.83E-07	3.09E-08	1.06E-07	1.37E-09	1.38E-07	3.51E-09	1.85E-08	3.25E-10	2.24E-08	3.19E-09	9.71E-09	9.84E-11	1.30E-08

861	470154.82	3818696.73	3.72E-08	1.44E-07	1.91E-09	1.83E-07	3.10E-08	1.06E-07	1.37E-09	1.38E-07	3.51E-09	1.86E-08	3.26E-10	2.24E-08	3.19E-09	9.72E-09	9.85E-11	1.30E-08
862	470145.26	3818696.6	3.71E-08	1.44E-07	1.91E-09	1.83E-07	3.09E-08	1.06E-07	1.37E-09	1.38E-07	3.51E-09	1.85E-08	3.25E-10	2.24E-08	3.19E-09	9.71E-09	9.85E-11	1.30E-08
863	470135.7	3818696.46	3.70E-08	1.44E-07	1.90E-09	1.83E-07	3.08E-08	1.06E-07	1.37E-09	1.38E-07	3.50E-09	1.85E-08	3.25E-10	2.23E-08	3.18E-09	9.68E-09	9.82E-11	1.30E-08
864	470126.14	3818696.33	3.69E-08	1.43E-07	1.89E-09	1.82E-07	3.07E-08	1.05E-07	1.36E-09	1.37E-07	3.48E-09	1.84E-08	3.23E-10	2.22E-08	3.16E-09	9.64E-09	9.77E-11	1.29E-08
865	470116.57	3818696.19	3.66E-08	1.42E-07	1.88E-09	1.81E-07	3.05E-08	1.04E-07	1.35E-09	1.36E-07	3.46E-09	1.83E-08	3.21E-10	2.21E-08	3.14E-09	9.57E-09	9.71E-11	1.28E-08
866	470479.56	3818740.31	2.08E-08	8.08E-08	1.07E-09	1.03E-07	1.74E-08	5.94E-08	7.68E-10	7.75E-08	1.97E-09	1.04E-08	1.83E-10	1.26E-08	1.79E-09	5.45E-09	5.52E-11	7.29E-09
867	470488.21	3818744.02	2.05E-08	7.94E-08	1.05E-09	1.01E-07	1.70E-08	5.83E-08	7.55E-10	7.61E-08	1.93E-09	1.02E-08	1.79E-10	1.23E-08	1.76E-09	5.35E-09	5.42E-11	7.16E-09
868	470496.86	3818747.73	2.01E-08	7.79E-08	1.03E-09	9.90E-08	1.67E-08	5.72E-08	7.41E-10	7.47E-08	1.90E-09	1.00E-08	1.76E-10	1.21E-08	1.72E-09	5.25E-09	5.32E-11	7.03E-09
869	470505.51	3818751.45	1.97E-08	7.65E-08	1.01E-09	9.72E-08	1.64E-08	5.62E-08	7.27E-10	7.33E-08	1.86E-09	9.84E-09	1.73E-10	1.19E-08	1.69E-09	5.15E-09	5.23E-11	6.90E-09
870	470514.16	3818755.16	1.94E-08	7.51E-08	9.94E-10	9.54E-08	1.61E-08	5.52E-08	7.14E-10	7.20E-08	1.83E-09	9.66E-09	1.70E-10	1.17E-08	1.66E-09	5.06E-09	5.13E-11	6.77E-09
871	470522.81	3818758.87	1.90E-08	7.37E-08	9.76E-10	9.36E-08	1.58E-08	5.41E-08	7.01E-10	7.07E-08	1.79E-09	9.48E-09	1.66E-10	1.14E-08	1.63E-09	4.97E-09	5.04E-11	6.65E-09
872	470592.02	3818788.57	1.65E-08	6.40E-08	8.48E-10	8.13E-08	1.37E-08	4.70E-08	6.09E-10	6.14E-08	1.56E-09	8.24E-09	1.45E-10	9.94E-09	1.42E-09	4.31E-09	4.37E-11	5.77E-09
873	470600.67	3818792.29	1.62E-08	6.30E-08	8.34E-10	8.00E-08	1.35E-08	4.63E-08	5.99E-10	6.04E-08	1.53E-09	8.10E-09	1.42E-10	9.78E-09	1.39E-09	4.24E-09	4.30E-11	5.68E-09
874	470609.32	3818796	1.60E-08	6.20E-08	8.21E-10	7.87E-08	1.33E-08	4.55E-08	5.89E-10	5.94E-08	1.51E-09	7.97E-09	1.40E-10	9.62E-09	1.37E-09	4.18E-09	4.23E-11	5.59E-09
875	470617.97	3818799.71	1.57E-08	6.10E-08	8.08E-10	7.75E-08	1.31E-08	4.48E-08	5.80E-10	5.85E-08	1.49E-09	7.85E-09	1.38E-10	9.47E-09	1.35E-09	4.11E-09	4.17E-11	5.50E-09
876	470626.62	3818803.43	1.55E-08	6.01E-08	7.96E-10	7.64E-08	1.29E-08	4.42E-08	5.71E-10	5.76E-08	1.46E-09	7.74E-09	1.36E-10	9.33E-09	1.33E-09	4.05E-09	4.11E-11	5.42E-09
877	470635.27	3818807.14	1.53E-08	5.92E-08	7.85E-10	7.53E-08	1.27E-08	4.35E-08	5.63E-10	5.68E-08	1.44E-09	7.63E-09	1.34E-10	9.20E-09	1.31E-09	3.99E-09	4.05E-11	5.34E-09
878	470643.92	3818810.85	1.51E-08	5.85E-08	7.74E-10	7.43E-08	1.26E-08	4.30E-08	5.56E-10	5.61E-08	1.42E-09	7.52E-09	1.32E-10	9.08E-09	1.29E-09	3.94E-09	4.00E-11	5.27E-09
879	470652.57	3818814.56	1.49E-08	5.77E-08	7.65E-10	7.34E-08	1.24E-08	4.24E-08	5.49E-10	5.54E-08	1.41E-09	7.43E-09	1.30E-10	8.97E-09	1.28E-09	3.89E-09	3.95E-11	5.21E-09
880	470661.22	3818818.28	1.47E-08	5.71E-08	7.56E-10	7.25E-08	1.23E-08	4.19E-08	5.43E-10	5.47E-08	1.39E-09	7.35E-09	1.29E-10	8.87E-09	1.26E-09	3.85E-09	3.90E-11	5.15E-09
881	470669.87	3818821.99	1.46E-08	5.65E-08	7.48E-10	7.18E-08	1.21E-08	4.15E-08	5.37E-10	5.42E-08	1.37E-09	7.27E-09	1.28E-10	8.77E-09	1.25E-09	3.81E-09	3.86E-11	5.09E-09
882	470678.52	3818825.7	1.44E-08	5.59E-08	7.41E-10	7.11E-08	1.20E-08	4.11E-08	5.32E-10	5.36E-08	1.36E-09	7.20E-09	1.26E-10	8.68E-09	1.24E-09	3.77E-09	3.82E-11	5.04E-09
883	470687.17	3818829.41	1.43E-08	5.54E-08	7.34E-10	7.04E-08	1.19E-08	4.07E-08	5.27E-10	5.31E-08	1.35E-09	7.13E-09	1.25E-10	8.60E-09	1.23E-09	3.73E-09	3.79E-11	5.00E-09
884	470699.33	3818841.86	1.44E-08	5.59E-08	7.41E-10	7.11E-08	1.20E-08	4.11E-08	5.32E-10	5.36E-08	1.36E-09	7.20E-09	1.26E-10	8.68E-09	1.24E-09	3.77E-09	3.82E-11	5.04E-09
885	470702.85	3818850.59	1.47E-08	5.69E-08	7.54E-10	7.24E-08	1.22E-08	4.18E-08	5.41E-10	5.46E-08	1.39E-09	7.33E-09	1.29E-10	8.84E-09	1.26E-09	3.84E-09	3.89E-11	5.14E-09
886	470706.37	3818859.32	1.50E-08	5.80E-08	7.69E-10	7.38E-08	1.25E-08	4.27E-08	5.52E-10	5.57E-08	1.41E-09	7.47E-09	1.31E-10	9.02E-09	1.28E-09	3.91E-09	3.97E-11	5.24E-09
887	470720.43	3818894.25	1.63E-08	6.33E-08	8.39E-10	8.05E-08	1.36E-08	4.65E-08	6.02E-10	6.07E-08	1.54E-09	8.15E-09	1.43E-10	9.84E-09	1.40E-09	4.27E-09	4.33E-11	5.71E-09
888	470723.94	3818902.99	1.67E-08	6.49E-08	8.59E-10	8.25E-08	1.39E-08	4.77E-08	6.17E-10	6.22E-08	1.58E-09	8.35E-09	1.47E-10	1.01E-08	1.44E-09	4.37E-09	4.43E-11	5.85E-09
889	470727.46	3818911.72	1.72E-08	6.65E-08	8.81E-10	8.46E-08	1.43E-08	4.89E-08	6.33E-10	6.38E-08	1.62E-09	8.56E-09	1.50E-10	1.03E-08	1.47E-09	4.48E-09	4.55E-11	6.00E-09
890	470730.97	3818920.45	1.76E-08	6.83E-08	9.04E-10	8.68E-08	1.47E-08	5.02E-08	6.49E-10	6.55E-08	1.66E-09	8.79E-09	1.54E-10	1.06E-08	1.51E-09	4.60E-09	4.67E-11	6.16E-09
891	470734.49	3818929.18	1.81E-08	7.01E-08	9.29E-10	8.91E-08	1.51E-08	5.15E-08	6.67E-10	6.73E-08	1.71E-09	9.03E-09	1.58E-10	1.09E-08	1.55E-09	4.73E-09	4.79E-11	6.33E-09
892	470738	3818937.91	1.86E-08	7.21E-08	9.55E-10	9.17E-08	1.55E-08	5.30E-08	6.86E-10	6.92E-08	1.76E-09	9.28E-09	1.63E-10	1.12E-08	1.60E-09	4.86E-09	4.93E-11	6.51E-09
893	470741.52	3818946.65	1.91E-08	7.42E-08	9.83E-10	9.43E-08	1.59E-08	5.45E-08	7.05E-10	7.11E-08	1.81E-09	9.55E-09	1.68E-10	1.15E-08	1.64E-09	5.00E-09	5.07E-11	6.69E-09
894	470745.04	3818955.38	1.97E-08	7.64E-08	1.01E-09	9.71E-08	1.64E-08	5.61E-08	7.26E-10	7.33E-08	1.86E-09	9.83E-09	1.73E-10	1.19E-08	1.69E-09	5.15E-09	5.22E-11	6.89E-09
895	470748.55	3818964.11	2.03E-08	7.87E-08	1.04E-09	1.00E-07	1.69E-08	5.78E-08	7.48E-10	7.55E-08	1.92E-09	1.01E-08	1.78E-10	1.22E-08	1.74E-09	5.30E-09	5.38E-11	7.10E-09
896	470752.07	3818972.84	2.09E-08	8.11E-08	1.07E-09	1.03E-07	1.74E-08	5.96E-08	7.71E-10	7.78E-08	1.97E-09	1.04E-08	1.83E-10	1.26E-08	1.79E-09	5.47E-09	5.54E-11	7.32E-09
897	470755.58	3818981.58	2.16E-08	8.36E-08	1.11E-09	1.06E-07	1.80E-08	6.15E-08	7.95E-10	8.02E-08	2.04E-09	1.08E-08	1.89E-10	1.30E-08	1.85E-09	5.64E-09	5.72E-11	7.55E-09
898	470759.1	3818990.31	2.22E-08	8.63E-08	1.14E-09	1.10E-07	1.85E-08	6.34E-08	8.21E-10	8.28E-08	2.10E-09	1.11E-08	1.95E-10	1.34E-08	1.91E-09	5.82E-09	5.90E-11	7.79E-09
899	470762.61	3818999.04	2.30E-08	8.91E-08	1.18E-09	1.13E-07	1.91E-08	6.55E-08	8.47E-10	8.54E-08	2.17E-09	1.15E-08	2.01E-10	1.38E-08	1.97E-09	6.00E-09	6.09E-11	8.04E-09
900	470766.13	3819007.77	2.37E-08	9.20E-08	1.22E-09	1.17E-07	1.98E-08	6.76E-08	8.75E-10	8.82E-08	2.24E-09	1.18E-08	2.08E-10	1.43E-08	2.04E-09	6.20E-09	6.29E-11	8.30E-09
901	470769.64	3819016.5	2.45E-08	9.50E-08	1.26E-09	1.21E-07	2.04E-08	6.98E-08	9.03E-10	9.11E-08	2.31E-09	1.22E-08	2.15E-10	1.48E-08	2.10E-09	6.40E-09	6.49E-11	8.57E-09
902	470773.16	3819025.24	2.53E-08	9.81E-08	1.30E-09	1.25E-07	2.11E-08	7.21E-08	9.33E-10	9.41E-08	2.39E-09	1.26E-08	2.22E-10	1.52E-08	2.17E-09	6.61E-09	6.70E-11	8.85E-09
903	470776.68	3819033.97	2.61E-08	1.01E-07	1.34E-09	1.29E-07	2.18E-08	7.44E-08	9.63E-10	9.72E-08	2.47E-09	1.30E-08	2.29E-10	1.57E-08	2.24E-09	6.83E-09	6.92E-11	9.14E-09
904	470780.19	3819042.7	2.70E-08	1.05E-07	1.39E-09	1.33E-07	2.25E-08	7.69E-08	9.95E-10	1.00E-07	2.55E-09	1.35E-08	2.36E-10	1.62E-08	2.32E-09	7.05E-09	7.15E-11	9.44E-09
905	470783.71	3819051.43	2.79E-08	1.08E-07	1.43E-09	1.37E-07	2.32E-08	7.94E-08	1.03E-09	1.04E-07	2.63E-09	1.39E-08	2.44E-10	1.68E-08	2.39E-09	7.28E-09	7.38E-11	9.75E-09
906	470787.22	3819060.17	2.88E-08	1.12E-07	1.48E-09	1.42E-07	2.40E-08	8.20E-08	1.06E-09	1.07E-07	2.72E-09	1.44E-08	2.52E-10	1.73E-08	2.47E-09	7.52E-09	7.62E-11	1.01E-08
907	470790.74	3819068.9	2.97E-08	1.15E-07	1.53E-09	1.46E-07	2.47E-08	8.46E-08	1.09E-09	1.10E-07	2.80E-09	1.48E-08	2.60E-10	1.79E-08	2.55E-09	7.76E-09	7.87E-11	1.04E-08
908	470794.25	3819077.63	3.06E-08	1.19E-07	1.57E-09	1.51E-07	2.55E-08	8.73E-08	1.13E-09	1.14E-07	2.89E-09	1.53E-08	2.68E-10	1.85E-08	2.63E-09	8.01E-09	8.12E-11	1.07E-08
909	470797.77	3819086.36	3.16E-08	1.23E-07	1.62E-09	1.56E-07	2.63E-08	9.00E-08	1.17E-09	1.18E-07	2.98E-09	1.58E-08	2.77E-10	1.90E-08	2.71E-09	8.26E-09	8.38E-11	1.11E-08
910	470801.28	3819095.09	3.26E-08	1.26E-07	1.67E-09	1.61E-07	2.71E-08	9.28E-08	1.20E-09	1.21E-07	3.08E-09	1.63E-08	2.85E-10	1.96E-08	2.80E-09	8.51E-09	8.63E-11	1.14E-08
911	470804.8	3819103.83	3.36E-08	1.30E-07	1.72E-09	1.65E-07	2.79E-08	9.56E-08	1.24E-09	1.25E-07	3.17E-09	1.68E-08	2.94E-10	2.02E-08	2.88E-09	8.77E-09	8.89E-11	1.17E-08
912	470808.32	3819112.56	3.45E-08	1.34E-07	1.77E-09	1.70E-07	2.88E-08	9.84E-08	1.27E-09	1.28E-07	3.26E-09	1.72E-08	3.03E-10	2.08E-08	2.97E-09	9.03E-09	9.16E-11	1.21E-08
913	470811.83	3819121.29	3.55E-08	1.38E-07	1.83E-09	1.75E-07	2.96E-08	1.01E-07	1.31E-09	1.32E-07	3.36E-09	1.77E-08	3.11E-10	2.14E-08	3.05E-09	9.29E-09	9.42E-11	1.24E-08
914	470815.35	3819130.02	3.65E-08	1.42E-07	1.88E-09	1.80E-07	3.04E-08	1.04E-07	1.35E-09	1.36E-07	3.45E-09	1.82E-08	3.20E-10	2.20E-08	3.14E-09	9.55E-09	9.69E-11	1.28E-08
915	470818.86	3819138.76	3.75E-08	1.46E-07	1.93E-09	1.85E-07	3.13E-08	1.07E-07	1.38E-09	1.40E-07	3.54E-09	1.87E-08	3.29E-10	2.26E-08	3.22E-09	9.81E-09	9.95E-11	1.31E-08
916	470822.38	3819147.49	3.85E-08	1.49E-07	1.98E-09	1.90E-07	3.21E-08	1.10E-07	1.42E-09	1.43E-07	3.64E-09	1.92E-08	3.38E-10	2.32E-08	3.31E-09	1.01E-08	1.02E-10	1.35E-08
917	470825.89	3819156.22	3.95E-08	1.53E-07	2.03E-09	1.95E-07	3.29E-08	1.13E-07	1.46E-09	1.47E-07	3.73E-09	1.97E-08	3.46E-10	2.38E-08	3.39E-09	1.03E-08	1.05E-10	1.38E-08
918	470829.41	3819164.95	4.05E-08	1.57E-07	2.08E-09	2.00E-07	3.37E-08	1.15E-07	1.49E-09	1.51E-07	3.82E-09	2.02E-08	3.55E-10	2.44E-08	3.47E-09	1.06E-08	1.07E-10	1.42E-08
919	470832.92	3819173.69	4.14E-08	1.61E-07	2.13E-09	2.04E-07	3.45E-08	1.18E-07	1.53E-09	1.54E-07	3.91E-09	2.07E-08	3.63E-10	2.49E-08	3.55E-09	1.08E-08	1.10E-10	1.45E-08
920	470836.44	3819182.42	4.23E-08	1.64E-07	2.17E-09	2.09E-07	3.52E-08	1.21E-07	1.56E-09	1.57E-07	3.99E-09	2.11E-08	3.71E-10	2.55E-08	3.63E-09	1.11E-08	1.12E-10	1.48E-08
921	470839.96	3819191.15	4.32E-08	1.67E-07	2.22E-09	2.13E-07	3.60E-08	1.23E-07	1.59E-09	1.61E-07	4.08E-09	2.16E-08	3.78E-10	2.60E-08	3.71E-09	1.13E-08	1.14E-10	1.51E-08
922	470843.47	3819199.88	4.40E-08	1.71E-07	2.26E-09	2.17E-07	3.67E-08	1.25E-07	1.62E-09	1.64E-07	4.16E-09	2.20E-08	3.86E-10	2.65E-08	3.78E-09	1.15E-08	1.17E-10	1.54E-08
923	470846.99	3819208.61	4.48E-08	1.74E-07	2.30E-09	2.21E-07	3.73E-08	1.28E-07	1.65E-09	1.67E-07	4.23E-09	2.24E-08	3.93E-10	2.70E-08	3.85E-09	1.17E-08	1.19E-10	1.57E-08
924	470850.5	3819217.35	4.56E-08	1.77E-07	2.34E-09	2.25E-07	3.80E-08	1.30E-07	1.68E-09	1.70E-07	4.31E-09	2.28E-08	4.00E-10	2.75E-08	3.91E-09	1.19E-08	1.21E-10	1.60E-08
925	470260.57	3818658.22	2.97E-08	1.15E-07	1.53E-09	1.46E-07	2.47E-08	8.46E-08	1.10E-09	1.10E-07	2.80E-09	1.48E-08	2.60E-10	1.79E-08	2.55E-09	7.76E-09	7.87E-11	1.04E-08
926	470251.01	3818658.09	3.02E-08	1.17E-07	1.55E-09	1.49E-07	2.51E-08	8.59E-08	1.11E-09	1.12E-07	2.85E-09	1.51E-08	2.64E-10	1.82E-08	2.59E-09	7.88E-09	7.99E-11	1.05E-08
927	470241.45	3818657.95	3.06E-08	1.19E-07	1.57E-09	1.51E-07	2.55E-08	8.71E-08	1.13E-09	1.14E-07	2.89E-09	1.53E-08	2.68E-10	1.84E-08	2.62E-09	7.99E-09	8.10E-11	1.07E-08
928	470231.88	3818657.82	3.10E-08	1.20E-07	1.59E-09	1.53E-07	2.58E-08	8.82E-08	1.14E-09	1.15E-07	2.92E-09	1.55E-08	2.71E-10	1.86E-08	2.66E-09	8.09E-09	8.21E-11	1.08E-08
929	470222.32	3818657.68	3.13E-08	1.22E-07	1.61E-09	1.54E-07	2.61E-08	8.93E-08	1.16E-09	1.17E-07	2.96E-09	1.56E-08	2.75E-10	1.89E-08	2.69E-09	8.19E-09	8.31E-11	1.10E-08
930	470212.76	3818657.55	3.17E-08	1.23E-07	1.63E-09	1.56E-07	2.64E-08	9.03E-08	1.17E-09	1.18E-07	2.99E-09	1.58E-08	2.78E-10	1.91E-08	2.72E-09	8.28E-09	8.40E-11	1.11E-08
931	470203.2	3818657.41	3.20E-08	1.24E-07	1.64E-09	1.58E-07	2.66E-08	9.11E-08	1.18E-09	1.19E-07	3.02E-09	1.60E-08	2.80E-10	1.93E-08	2.74E-09	8.36E-09	8.48E-11	1.12E-08
932	470193.64	3818657.28	3.22E-08	1.25E-07	1.65E-09	1.59E-07	2.68E-08	9.18E-08	1.19E-09	1.20E-07	3.04E-09	1.61E-08	2.82E-10	1.94E-08	2.76E-09	8.42E-09	8.54E-11	1.13E-08
933	470184.07	3818657.14	3.24E-08	1.26E-07	1.66E-09	1.60E-07	2.70E-08	9.22E-08	1.19E-09	1.20E-07	3.06E-09	1.62E-08	2.84E-10	1.95E-08	2.78E-09	8.46E-09	8.58E-11	1.13E-08
934	470174.51	3818657.01	3.25E-08	1.26E-07	1.67E-09	1.60E-07	2.70E-08	9.25E-08	1.20E-09	1.21E-07	3.07E-09	1.62E-08	2.85E-10	1.96E-08	2.79E-09	8.49E-09	8.61E-11	1.14E-08
935	470164.95	3818656.87	3.26E-08	1.26E-07	1.67E-09	1.60E-07	2.71E-08	9.28E-08	1.20E-09	1.21E-07	3.07E-09	1.63E-08	2.85E-10	1.96E-08	2.79E-09	8.51E-09	8.63E-11	1.14E-08
936	470155.39	3818656.74	3.26E-08	1.26E-07	1.68E-09	1.61E-07	2.72E-08	9.29E-08	1.20E-09	1.21E-07	3.08E-09	1.63E-08	2.86E-10	1.96E-08	2.80E-09	8.52E-09	8.64E-11	1.14E-08
937	470145.82	3818656.6	3.26E-08	1.26E-07	1.67E-09	1.61E-07	2.71E-08	9.29E-08	1.20E-09	1.21E-07	3.08E-09	1.63E-08	2.86E-10	1.96E-08	2.80E-09	8.52E-09	8.64E-11	1.14E-08
938	470136.26	3818656.47	3.25E-08	1.26E-07	1.67E-09	1.60E-07	2.71E-08	9.27E-08	1.20E-09	1.21E-07	3.07E-09	1.62E-08	2.85E-10	1.96E-08	2.79E-09	8.51E-09	8.63E-11	1.14E-08
939	470126.7	3818656.33	3.24E-08	1.26E-07	1.67E-09	1.60E-07	2.70E-08	9.24E-08	1.20E-09	1.21E-07	3.06E-09	1.62E-08	2.84E-10	1.95E-08	2.78E-09	8.48E-09	8.60E-11	1.13E-08
940	470117.14	3818656.2	3.23E-08	1.25E-07	1.66E-09	1.59E-07	2.69E-08	9.20E-08	1.19E-09	1.20E-07	3.05E-09	1.61E-08	2.83E-10	1.94E-08	2.77E-09	8.44E-09	8.56E-11	1.13E-08
941	470489.74	3818704.44	1.86E-08	7.20E-08	9.54E-10	9.16E-08	1.55E-08	5.29E-08	6.85E-10	6.91E-08	1.75E-09	9.27E-09	1.63E-10	1.12E-08	1.59E-09	4.86E-09	4.92E-11	6.50E-09
942	470498.43	3818708.17	1.83E-08	7.08E-08	9.38E-10	9.00E-08	1.52E-08	5.20E-08	6.73E-10	6.79E-08	1.72E-09	9.12E-09	1.60E-10	1.10E-08	1.57E-09	4.77E-09	4.84E-11	6.39E-09
943	470507.12	3818711.9	1.80E-08	6.97E-08	9.24E-10	8.86E-08	1.50E-08	5.12E-08	6.63E-10	6.69E-08	1.70E-09	8.98E-09	1.58E-10	1.08E-08	1.54E-09	4.70E-09	4.77E-11	6.29E-09
944	470515.81	3818715.63	1.77E-08	6.87E-08	9.10E-10	8.73E-08	1.47E-08	5.05E-08	6.53E-10	6.59E-08	1.67E-09	8.84E-09	1.55E-10	1.07E-08	1.52E-09	4.63E-09	4.69E-11	6.19E-09
945	470524.51	3818719.36	1.74E-08	6.75E-08	8.94E-10	8.57E-08	1.45E-08	4.96E-08	6.41E-10	6.47E-08	1.64E-09	8.68E-09	1.52E-10	1.05E-08	1.49E-09	4.55E-09	4.61E-11	6.09E-09
946	470533.2	3818723.09	1.71E-08	6.63E-08	8.78E-10	8.42E-08	1.42E-08	4.87E-08	6.30E-10	6.35E-08	1.61E-09	8.53E-09	1.50E-10	1.03E-08	1.47E-09	4.47E-09	4.53E-11	5.98E-09
947	470541.89	3818726.82	1.68E-08	6.51E-08	8.62E-10	8.27E-08	1.40E-08	4.78E-08	6.19E-10	6.24E-08	1.58E-09	8.38E-09	1.47E-10	1.01E-08	1.44E-09	4.39E-09	4.45E-11	5.87E-09
948	470550.58	3818730.55	1.65E-08	6.39E-08	8.47E-10	8.12E-08	1.37E-08	4.70E-08	6.08E-10	6.13E-08	1.56E-09	8.23E-09	1.44E-10	9.93E-09	1.41E-09	4.31E-09	4.37E-11	5.77E-09
949	470567.97	3818738.01	1.59E-08	6.17E-08	8.17E-10	7.84E-08	1.32E-08	4.53E-08	5.86E-10	5.91E-08	1.50E-09	7.94E-09	1.39E-10	9.58E-09	1.36E-09	4.16E-09	4.21E-11	5.56E-09
950	470576.66	3818741.74	1.56E-08	6.06E-08	8.02E-10	7.70E-08	1.30E-08	4.45E-08	5.76E-10	5.81E-08	1.47E-09	7.80E-09	1.37E-10	9.41E-09	1.34E-09	4.08E-09	4.14E-11	5.46E-09
951	470585.35	3818745.47	1.53E-08	5.95E-08	7.88E-10	7.56E-08	1.28E-08	4.37E-08	5.66E-10	5.71E-08	1.45E-09	7.66E-09	1.34E-10	9.24E-09	1.32E-09	4.01E-09	4.07E-11	5.37E-09
952	470594.04	3818749.21	1.51E-08	5.85E-08	7.75E-10	7.43E-08	1.26E-08	4.30E-08	5.56E-10	5.61E-08	1.42E-09	7.53E-09	1.32E-10	9.08E-09	1.29E-09	3.94E-09	4.00E-11	5.28E-09
953	470602.73	3818752.94	1.48E-08	5.75E-08	7.62E-10	7.31E-08	1.24E-08	4.23E-08	5.47E-10	5.52E-08	1.40E-09	7.40E-09	1.30E-10	8.93E-09	1.27E-09	3.88E-09	3.93E-11	5.19E-09
954	470611.43	3818756.67	1.46E-08	5.66E-08	7.50E-10	7.19E-08	1.22E-08	4.16E-08	5.38E-10	5.43E-08	1.38E-09	7.28E-09	1.28E-10	8.79E-09	1.25E-09	3.81E-09	3.87E-11	5.10E-09
955	470620.12	3818760.4	1.44E-08	5.57E-08	7.37E-10	7.07E-08	1.20E-08	4.09E-08	5.29E-10	5.34E-08	1.36E-09	7.17E-09	1.26E-10	8.65E-09	1.23E-09	3.75E-09	3.80E-11	5.02E-09
956	470628.81	3818764.13	1.41E-08	5.48E-08	7.26E-10	6.96E-08	1.18E-08	4.03E-08	5.21E-10	5.25E-08	1.33E-09	7.05E-09	1.24E-10	8.51E-09	1.21E-09	3.69E-09	3.74E-11	4.94E-09

957	470637.5	3818767.86	1.39E-08	5.39E-08	7.15E-10	6.86E-08	1.16E-08	3.96E-08	5.13E-10	5.17E-08	1.31E-09	6.94E-09	1.22E-10	8.38E-09	1.19E-09	3.64E-09	3.69E-11	4.87E-09
958	470646.19	3818771.59	1.37E-08	5.32E-08	7.04E-10	6.76E-08	1.14E-08	3.91E-08	5.05E-10	5.10E-08	1.29E-09	6.84E-09	1.20E-10	8.26E-09	1.18E-09	3.58E-09	3.63E-11	4.80E-09
959	470654.89	3818775.32	1.35E-08	5.24E-08	6.94E-10	6.66E-08	1.13E-08	3.85E-08	4.98E-10	5.03E-08	1.28E-09	6.75E-09	1.18E-10	8.14E-09	1.16E-09	3.53E-09	3.58E-11	4.73E-09
960	470795.07	3818980.65	2.02E-08	7.84E-08	1.04E-09	9.96E-08	1.68E-08	5.76E-08	7.45E-10	7.52E-08	1.91E-09	1.01E-08	1.77E-10	1.22E-08	1.73E-09	5.28E-09	5.36E-11	7.07E-09
961	470798.6	3818989.43	2.08E-08	8.08E-08	1.07E-09	1.03E-07	1.74E-08	5.94E-08	7.69E-10	7.75E-08	1.97E-09	1.04E-08	1.83E-10	1.26E-08	1.79E-09	5.45E-09	5.52E-11	7.29E-09
962	470802.14	3818998.2	2.15E-08	8.34E-08	1.10E-09	1.06E-07	1.79E-08	6.13E-08	7.93E-10	7.99E-08	2.03E-09	1.07E-08	1.88E-10	1.29E-08	1.85E-09	5.62E-09	5.70E-11	7.52E-09
963	470805.67	3819006.98	2.22E-08	8.60E-08	1.14E-09	1.09E-07	1.85E-08	6.32E-08	8.18E-10	8.25E-08	2.09E-09	1.11E-08	1.94E-10	1.34E-08	1.90E-09	5.80E-09	5.88E-11	7.76E-09
964	470809.2	3819015.75	2.29E-08	8.87E-08	1.18E-09	1.13E-07	1.91E-08	6.52E-08	8.43E-10	8.51E-08	2.16E-09	1.14E-08	2.00E-10	1.38E-08	1.96E-09	5.98E-09	6.06E-11	8.00E-09
965	470812.73	3819024.53	2.36E-08	9.15E-08	1.21E-09	1.16E-07	1.97E-08	6.72E-08	8.70E-10	8.78E-08	2.23E-09	1.18E-08	2.07E-10	1.42E-08	2.03E-09	6.17E-09	6.25E-11	8.25E-09
966	470816.27	3819033.3	2.43E-08	9.44E-08	1.25E-09	1.20E-07	2.03E-08	6.93E-08	8.97E-10	9.05E-08	2.30E-09	1.21E-08	2.13E-10	1.47E-08	2.09E-09	6.36E-09	6.45E-11	8.51E-09
967	470819.8	3819042.07	2.51E-08	9.73E-08	1.29E-09	1.24E-07	2.09E-08	7.15E-08	9.25E-10	9.33E-08	2.37E-09	1.25E-08	2.20E-10	1.51E-08	2.15E-09	6.56E-09	6.65E-11	8.78E-09
968	470823.33	3819050.85	2.59E-08	1.00E-07	1.33E-09	1.28E-07	2.15E-08	7.37E-08	9.54E-10	9.62E-08	2.44E-09	1.29E-08	2.27E-10	1.56E-08	2.22E-09	6.76E-09	6.86E-11	9.05E-09
969	470826.86	3819059.62	2.67E-08	1.03E-07	1.37E-09	1.31E-07	2.22E-08	7.60E-08	9.84E-10	9.92E-08	2.52E-09	1.33E-08	2.34E-10	1.61E-08	2.29E-09	6.97E-09	7.07E-11	9.33E-09
970	470830.4	3819068.4	2.75E-08	1.07E-07	1.41E-09	1.36E-07	2.29E-08	7.83E-08	1.01E-09	1.02E-07	2.60E-09	1.37E-08	2.41E-10	1.66E-08	2.36E-09	7.19E-09	7.29E-11	9.62E-09
971	470833.93	3819077.17	2.83E-08	1.10E-07	1.46E-09	1.40E-07	2.36E-08	8.07E-08	1.04E-09	1.05E-07	2.67E-09	1.41E-08	2.48E-10	1.71E-08	2.43E-09	7.40E-09	7.51E-11	9.91E-09
972	470837.46	3819085.95	2.92E-08	1.13E-07	1.50E-09	1.44E-07	2.43E-08	8.31E-08	1.08E-09	1.08E-07	2.75E-09	1.46E-08	2.56E-10	1.76E-08	2.50E-09	7.62E-09	7.73E-11	1.02E-08
973	470840.99	3819094.72	3.00E-08	1.16E-07	1.54E-09	1.48E-07	2.50E-08	8.55E-08	1.11E-09	1.12E-07	2.83E-09	1.50E-08	2.63E-10	1.81E-08	2.58E-09	7.84E-09	7.95E-11	1.05E-08
974	470844.53	3819103.5	3.09E-08	1.20E-07	1.59E-09	1.52E-07	2.57E-08	8.79E-08	1.14E-09	1.15E-07	2.91E-09	1.54E-08	2.70E-10	1.86E-08	2.65E-09	8.07E-09	8.18E-11	1.08E-08
975	470848.06	3819112.27	3.17E-08	1.23E-07	1.63E-09	1.56E-07	2.64E-08	9.04E-08	1.17E-09	1.18E-07	2.99E-09	1.58E-08	2.78E-10	1.91E-08	2.72E-09	8.29E-09	8.41E-11	1.11E-08
976	470851.59	3819121.04	3.26E-08	1.26E-07	1.67E-09	1.61E-07	2.71E-08	9.28E-08	1.20E-09	1.21E-07	3.08E-09	1.63E-08	2.85E-10	1.96E-08	2.80E-09	8.51E-09	8.63E-11	1.14E-08
977	470855.12	3819129.82	3.34E-08	1.30E-07	1.72E-09	1.65E-07	2.78E-08	9.53E-08	1.23E-09	1.24E-07	3.16E-09	1.67E-08	2.93E-10	2.01E-08	2.87E-09	8.74E-09	8.86E-11	1.17E-08
978	470858.66	3819138.59	3.43E-08	1.33E-07	1.76E-09	1.69E-07	2.86E-08	9.77E-08	1.26E-09	1.28E-07	3.24E-09	1.71E-08	3.00E-10	2.07E-08	2.94E-09	8.96E-09	9.09E-11	1.20E-08
979	470862.19	3819147.37	3.51E-08	1.36E-07	1.80E-09	1.73E-07	2.93E-08	1.00E-07	1.30E-09	1.31E-07	3.32E-09	1.75E-08	3.08E-10	2.12E-08	3.01E-09	9.18E-09	9.31E-11	1.23E-08
980	470865.72	3819156.14	3.59E-08	1.39E-07	1.85E-09	1.77E-07	2.99E-08	1.02E-07	1.33E-09	1.34E-07	3.39E-09	1.79E-08	3.15E-10	2.17E-08	3.09E-09	9.40E-09	9.53E-11	1.26E-08
981	470869.25	3819164.92	3.67E-08	1.43E-07	1.89E-09	1.81E-07	3.06E-08	1.05E-07	1.36E-09	1.37E-07	3.47E-09	1.83E-08	3.22E-10	2.21E-08	3.15E-09	9.61E-09	9.74E-11	1.29E-08
982	470872.79	3819173.69	3.75E-08	1.46E-07	1.93E-09	1.85E-07	3.13E-08	1.07E-07	1.38E-09	1.40E-07	3.54E-09	1.87E-08	3.29E-10	2.26E-08	3.22E-09	9.81E-09	9.95E-11	1.31E-08
983	470876.32	3819182.47	3.83E-08	1.48E-07	1.97E-09	1.89E-07	3.19E-08	1.09E-07	1.41E-09	1.42E-07	3.62E-09	1.91E-08	3.36E-10	2.31E-08	3.29E-09	1.00E-08	1.01E-10	1.34E-08
984	470879.85	3819191.24	3.90E-08	1.51E-07	2.01E-09	1.92E-07	3.25E-08	1.11E-07	1.44E-09	1.45E-07	3.68E-09	1.95E-08	3.42E-10	2.35E-08	3.35E-09	1.02E-08	1.03E-10	1.37E-08
985	470883.38	3819200.01	3.97E-08	1.54E-07	2.04E-09	1.96E-07	3.31E-08	1.13E-07	1.47E-09	1.48E-07	3.75E-09	1.98E-08	3.48E-10	2.39E-08	3.41E-09	1.04E-08	1.05E-10	1.39E-08
986	470886.92	3819208.79	4.04E-08	1.57E-07	2.08E-09	1.99E-07	3.37E-08	1.15E-07	1.49E-09	1.50E-07	3.82E-09	2.02E-08	3.54E-10	2.43E-08	3.47E-09	1.06E-08	1.07E-10	1.41E-08
987	470890.45	3819217.56	4.11E-08	1.59E-07	2.11E-09	2.02E-07	3.42E-08	1.17E-07	1.51E-09	1.53E-07	3.88E-09	2.05E-08	3.60E-10	2.47E-08	3.52E-09	1.07E-08	1.09E-10	1.44E-08
988	470213.32	3818617.55	2.81E-08	1.09E-07	1.44E-09	1.38E-07	2.34E-08	8.00E-08	1.04E-09	1.04E-07	2.65E-09	1.40E-08	2.46E-10	1.69E-08	2.41E-09	7.34E-09	7.45E-11	9.83E-09
989	470203.76	3818617.42	2.84E-08	1.10E-07	1.46E-09	1.40E-07	2.36E-08	8.08E-08	1.05E-09	1.05E-07	2.68E-09	1.42E-08	2.48E-10	1.71E-08	2.43E-09	7.41E-09	7.52E-11	9.92E-09
990	470194.2	3818617.28	2.86E-08	1.11E-07	1.47E-09	1.41E-07	2.38E-08	8.14E-08	1.05E-09	1.06E-07	2.70E-09	1.43E-08	2.50E-10	1.72E-08	2.45E-09	7.46E-09	7.57E-11	9.99E-09
991	470184.64	3818617.15	2.87E-08	1.11E-07	1.47E-09	1.41E-07	2.39E-08	8.18E-08	1.06E-09	1.07E-07	2.71E-09	1.43E-08	2.51E-10	1.73E-08	2.46E-09	7.50E-09	7.61E-11	1.00E-08
992	470175.08	3818617.01	2.88E-08	1.12E-07	1.48E-09	1.42E-07	2.40E-08	8.21E-08	1.06E-09	1.07E-07	2.72E-09	1.44E-08	2.52E-10	1.73E-08	2.47E-09	7.53E-09	7.63E-11	1.01E-08
993	470165.51	3818616.88	2.89E-08	1.12E-07	1.48E-09	1.42E-07	2.41E-08	8.23E-08	1.06E-09	1.07E-07	2.73E-09	1.44E-08	2.53E-10	1.74E-08	2.48E-09	7.55E-09	7.65E-11	1.01E-08
994	470155.95	3818616.74	2.89E-08	1.12E-07	1.49E-09	1.43E-07	2.41E-08	8.24E-08	1.07E-09	1.08E-07	2.73E-09	1.44E-08	2.53E-10	1.74E-08	2.48E-09	7.56E-09	7.67E-11	1.01E-08
995	470146.39	3818616.61	2.89E-08	1.12E-07	1.49E-09	1.43E-07	2.41E-08	8.25E-08	1.07E-09	1.08E-07	2.73E-09	1.44E-08	2.54E-10	1.74E-08	2.48E-09	7.56E-09	7.67E-11	1.01E-08
996	470136.83	3818616.47	2.89E-08	1.12E-07	1.48E-09	1.42E-07	2.41E-08	8.24E-08	1.07E-09	1.07E-07	2.73E-09	1.44E-08	2.53E-10	1.74E-08	2.48E-09	7.55E-09	7.66E-11	1.01E-08
997	470127.26	3818616.34	2.88E-08	1.12E-07	1.48E-09	1.42E-07	2.40E-08	8.22E-08	1.06E-09	1.07E-07	2.72E-09	1.44E-08	2.53E-10	1.74E-08	2.47E-09	7.54E-09	7.64E-11	1.01E-08
998	470117.7	3818616.2	2.87E-08	1.11E-07	1.48E-09	1.42E-07	2.39E-08	8.18E-08	1.06E-09	1.07E-07	2.71E-09	1.43E-08	2.52E-10	1.73E-08	2.47E-09	7.51E-09	7.61E-11	1.00E-08
999	470491.15	3818664.81	1.69E-08	6.57E-08	8.70E-10	8.35E-08	1.41E-08	4.83E-08	6.25E-10	6.30E-08	1.60E-09	8.45E-09	1.48E-10	1.02E-08	1.45E-09	4.43E-09	4.49E-11	5.93E-09
1000	470499.88	3818668.55	1.67E-08	6.46E-08	8.56E-10	8.21E-08	1.39E-08	4.75E-08	6.14E-10	6.20E-08	1.57E-09	8.32E-09	1.46E-10	1.00E-08	1.43E-09	4.36E-09	4.42E-11	5.83E-09
1001	470508.61	3818672.3	1.64E-08	6.36E-08	8.43E-10	8.09E-08	1.37E-08	4.68E-08	6.05E-10	6.10E-08	1.55E-09	8.19E-09	1.44E-10	9.89E-09	1.41E-09	4.29E-09	4.35E-11	5.74E-09
1002	470517.34	3818676.05	1.62E-08	6.27E-08	8.31E-10	7.97E-08	1.35E-08	4.61E-08	5.96E-10	6.01E-08	1.53E-09	8.07E-09	1.42E-10	9.74E-09	1.39E-09	4.23E-09	4.29E-11	5.66E-09
1003	470526.07	3818679.79	1.59E-08	6.17E-08	8.18E-10	7.85E-08	1.33E-08	4.54E-08	5.87E-10	5.92E-08	1.50E-09	7.95E-09	1.39E-10	9.59E-09	1.37E-09	4.16E-09	4.22E-11	5.57E-09
1004	470534.8	3818683.54	1.56E-08	6.07E-08	8.04E-10	7.71E-08	1.30E-08	4.46E-08	5.77E-10	5.82E-08	1.48E-09	7.81E-09	1.37E-10	9.43E-09	1.34E-09	4.09E-09	4.15E-11	5.47E-09
1005	470543.53	3818687.29	1.54E-08	5.97E-08	7.90E-10	7.58E-08	1.28E-08	4.38E-08	5.67E-10	5.72E-08	1.45E-09	7.68E-09	1.35E-10	9.27E-09	1.32E-09	4.02E-09	4.08E-11	5.38E-09
1006	470552.26	3818691.03	1.51E-08	5.86E-08	7.77E-10	7.45E-08	1.26E-08	4.31E-08	5.58E-10	5.62E-08	1.43E-09	7.55E-09	1.32E-10	9.11E-09	1.30E-09	3.95E-09	4.01E-11	5.29E-09
1007	470560.99	3818694.78	1.49E-08	5.76E-08	7.64E-10	7.33E-08	1.24E-08	4.24E-08	5.48E-10	5.53E-08	1.40E-09	7.42E-09	1.30E-10	8.95E-09	1.28E-09	3.88E-09	3.94E-11	5.20E-09
1008	470595.9	3818709.77	1.39E-08	5.38E-08	7.13E-10	6.84E-08	1.16E-08	3.95E-08	5.12E-10	5.16E-08	1.31E-09	6.93E-09	1.22E-10	8.36E-09	1.19E-09	3.63E-09	3.68E-11	4.85E-09
1009	470604.63	3818713.51	1.36E-08	5.29E-08	7.01E-10	6.72E-08	1.14E-08	3.89E-08	5.03E-10	5.07E-08	1.29E-09	6.81E-09	1.20E-10	8.22E-09	1.17E-09	3.57E-09	3.62E-11	4.77E-09
1010	470700.65	3818754.72	1.16E-08	4.50E-08	5.96E-10	5.71E-08	9.66E-09	3.30E-08	4.28E-10	4.31E-08	1.09E-09	5.79E-09	1.02E-10	6.98E-09	9.95E-10	3.03E-09	3.07E-11	4.06E-09
1011	470709.38	3818758.47	1.15E-08	4.45E-08	5.89E-10	5.65E-08	9.55E-09	3.27E-08	4.23E-10	4.26E-08	1.08E-09	5.72E-09	1.00E-10	6.90E-09	9.84E-10	3.00E-09	3.04E-11	4.01E-09
1012	470718.11	3818762.22	1.13E-08	4.40E-08	5.83E-10	5.59E-08	9.45E-09	3.23E-08	4.18E-10	4.22E-08	1.07E-09	5.66E-09	9.94E-11	6.83E-09	9.74E-10	2.96E-09	3.01E-11	3.97E-09
1013	470726.84	3818765.96	1.12E-08	4.35E-08	5.77E-10	5.54E-08	9.35E-09	3.20E-08	4.14E-10	4.18E-08	1.06E-09	5.61E-09	9.84E-11	6.76E-09	9.64E-10	2.94E-09	2.98E-11	3.93E-09
1014	470735.57	3818769.71	1.11E-08	4.32E-08	5.72E-10	5.48E-08	9.27E-09	3.17E-08	4.10E-10	4.14E-08	1.05E-09	5.55E-09	9.75E-11	6.70E-09	9.55E-10	2.91E-09	2.95E-11	3.89E-09
1015	470744.3	3818773.46	1.10E-08	4.28E-08	5.67E-10	5.44E-08	9.19E-09	3.14E-08	4.07E-10	4.10E-08	1.04E-09	5.51E-09	9.67E-11	6.65E-09	9.47E-10	2.88E-09	2.93E-11	3.86E-09
1016	470756.57	3818786.02	1.11E-08	4.32E-08	5.72E-10	5.48E-08	9.27E-09	3.17E-08	4.10E-10	4.14E-08	1.05E-09	5.55E-09	9.75E-11	6.70E-09	9.55E-10	2.91E-09	2.95E-11	3.89E-09
1017	470760.12	3818794.83	1.13E-08	4.39E-08	5.81E-10	5.57E-08	9.42E-09	3.22E-08	4.17E-10	4.21E-08	1.07E-09	5.65E-09	9.91E-11	6.81E-09	9.71E-10	2.96E-09	3.00E-11	3.96E-09
1018	470763.67	3818803.64	1.15E-08	4.46E-08	5.91E-10	5.67E-08	9.58E-09	3.28E-08	4.24E-10	4.28E-08	1.09E-09	5.74E-09	1.01E-10	6.93E-09	9.88E-10	3.01E-09	3.05E-11	4.03E-09
1019	470767.22	3818812.45	1.17E-08	4.54E-08	6.02E-10	5.77E-08	9.76E-09	3.34E-08	4.32E-10	4.36E-08	1.11E-09	5.85E-09	1.03E-10	7.06E-09	1.01E-09	3.06E-09	3.10E-11	4.10E-09
1020	470770.76	3818821.26	1.19E-08	4.63E-08	6.13E-10	5.88E-08	9.94E-09	3.40E-08	4.40E-10	4.44E-08	1.13E-09	5.96E-09	1.05E-10	7.19E-09	1.02E-09	3.12E-09	3.16E-11	4.18E-09
1021	470774.31	3818830.08	1.22E-08	4.72E-08	6.26E-10	6.00E-08	1.01E-08	3.47E-08	4.49E-10	4.53E-08	1.15E-09	6.08E-09	1.07E-10	7.34E-09	1.05E-09	3.18E-09	3.23E-11	4.26E-09
1022	470777.86	3818838.89	1.24E-08	4.82E-08	6.39E-10	6.13E-08	1.04E-08	3.54E-08	4.58E-10	4.62E-08	1.17E-09	6.21E-09	1.09E-10	7.49E-09	1.07E-09	3.25E-09	3.30E-11	4.35E-09
1023	470781.41	3818847.7	1.27E-08	4.93E-08	6.53E-10	6.26E-08	1.06E-08	3.62E-08	4.69E-10	4.73E-08	1.20E-09	6.34E-09	1.11E-10	7.65E-09	1.09E-09	3.32E-09	3.37E-11	4.45E-09
1024	470784.95	3818856.51	1.30E-08	5.04E-08	6.68E-10	6.41E-08	1.08E-08	3.70E-08	4.79E-10	4.83E-08	1.23E-09	6.49E-09	1.14E-10	7.83E-09	1.12E-09	3.40E-09	3.45E-11	4.55E-09
1025	470788.5	3818865.32	1.33E-08	5.16E-08	6.84E-10	6.56E-08	1.11E-08	3.79E-08	4.91E-10	4.95E-08	1.26E-09	6.64E-09	1.17E-10	8.02E-09	1.14E-09	3.48E-09	3.53E-11	4.66E-09
1026	470792.05	3818874.13	1.36E-08	5.29E-08	7.00E-10	6.72E-08	1.14E-08	3.88E-08	5.03E-10	5.07E-08	1.29E-09	6.80E-09	1.19E-10	8.21E-09	1.17E-09	3.56E-09	3.61E-11	4.77E-09
1027	470795.6	3818882.95	1.40E-08	5.42E-08	7.18E-10	6.88E-08	1.16E-08	3.98E-08	5.15E-10	5.19E-08	1.32E-09	6.97E-09	1.22E-10	8.41E-09	1.20E-09	3.65E-09	3.70E-11	4.89E-09
1028	470799.14	3818891.76	1.43E-08	5.56E-08	7.36E-10	7.06E-08	1.19E-08	4.08E-08	5.28E-10	5.33E-08	1.35E-09	7.15E-09	1.26E-10	8.63E-09	1.23E-09	3.75E-09	3.80E-11	5.01E-09
1029	470866.55	3819059.18	2.48E-08	9.62E-08	1.27E-09	1.22E-07	2.07E-08	7.07E-08	9.14E-10	9.22E-08	2.34E-09	1.24E-08	2.17E-10	1.49E-08	2.13E-09	6.48E-09	6.57E-11	8.68E-09
1030	470870.09	3819067.99	2.55E-08	9.90E-08	1.31E-09	1.26E-07	2.13E-08	7.27E-08	9.41E-10	9.49E-08	2.41E-09	1.27E-08	2.24E-10	1.54E-08	2.19E-09	6.67E-09	6.76E-11	8.93E-09
1031	470873.64	3819076.8	2.62E-08	1.02E-07	1.35E-09	1.29E-07	2.19E-08	7.48E-08	9.68E-10	9.76E-08	2.48E-09	1.31E-08	2.30E-10	1.58E-08	2.25E-09	6.86E-09	6.96E-11	9.18E-09
1032	470877.19	3819085.62	2.70E-08	1.05E-07	1.39E-09	1.33E-07	2.25E-08	7.69E-08	9.95E-10	1.00E-07	2.55E-09	1.35E-08	2.36E-10	1.62E-08	2.32E-09	7.05E-09	7.15E-11	9.44E-09
1033	470880.74	3819094.43	2.77E-08	1.07E-07	1.42E-09	1.37E-07	2.31E-08	7.89E-08	1.02E-09	1.03E-07	2.62E-09	1.38E-08	2.43E-10	1.67E-08	2.38E-09	7.24E-09	7.34E-11	9.69E-09
1034	470884.28	3819103.24	2.84E-08	1.10E-07	1.46E-09	1.40E-07	2.37E-08	8.10E-08	1.05E-09	1.06E-07	2.69E-09	1.42E-08	2.49E-10	1.71E-08	2.44E-09	7.43E-09	7.54E-11	9.95E-09
1035	470887.83	3819112.05	2.92E-08	1.13E-07	1.50E-09	1.44E-07	2.43E-08	8.32E-08	1.08E-09	1.09E-07	2.76E-09	1.46E-08	2.56E-10	1.76E-08	2.51E-09	7.63E-09	7.74E-11	1.02E-08
1036	470891.38	3819120.86	2.99E-08	1.16E-07	1.54E-09	1.48E-07	2.49E-08	8.53E-08	1.10E-09	1.11E-07	2.83E-09	1.49E-08	2.62E-10	1.80E-08	2.57E-09	7.82E-09	7.93E-11	1.05E-08
1037	470894.93	3819129.68	3.07E-08	1.19E-07	1.58E-09	1.51E-07	2.55E-08	8.74E-08	1.13E-09	1.14E-07	2.90E-09	1.53E-08	2.69E-10	1.85E-08	2.63E-09	8.02E-09	8.13E-11	1.07E-08
1038	470898.48	3819138.49	3.14E-08	1.22E-07	1.61E-09	1.55E-07	2.62E-08	8.95E-08	1.16E-09	1.17E-07	2.96E-09	1.57E-08	2.75E-10	1.89E-08	2.70E-09	8.21E-09	8.32E-11	1.10E-08
1039	470902.02	3819147.3	3.21E-08	1.25E-07	1.65E-09	1.58E-07	2.67E-08	9.15E-08	1.18E-09	1.19E-07	3.03E-09	1.60E-08	2.81E-10	1.93E-08	2.76E-09	8.39E-09	8.51E-11	1.12E-08
1040	470905.57	3819156.11	3.28E-08	1.27E-07	1.69E-09	1.62E-07	2.73E-08	9.35E-08	1.21E-09	1.22E-07	3.10E-09	1.64E-08	2.87E-10	1.98E-08	2.82E-09	8.58E-09	8.70E-11	1.15E-08
1041	470909.12	3819164.92	3.35E-08	1.30E-07	1.72E-09	1.65E-07	2.79E-08	9.54E-08	1.24E-09	1.25E-07	3.16E-09	1.67E-08	2.93E-10	2.02E-08	2.87E-09	8.75E-09	8.88E-11	1.17E-08
1042	470912.67	3819173.73	3.42E-08	1.32E-07	1.76E-09	1.68E-07	2.85E-08	9.73E-08	1.26E-09	1.27E-07	3.23E-09	1.71E-08	2.99E-10	2.06E-08	2.93E-09	8.93E-09	9.05E-11	1.20E-08
1043	470916.21	3819182.55	3.48E-08	1.35E-07	1.79E-09	1.72E-07	2.90E-08	9.92E-08	1.28E-09	1.29E-07	3.29E-09	1.74E-08	3.05E-10	2.10E-08	2.99E-09	9.10E-09	9.23E-11	1.22E-08
1044	470919.76	3819191.36	3.54E-08	1.37E-07	1.82E-09	1.75E-07	2.95E-08	1.01E-07	1.31E-09	1.32E-07	3.35E-09	1.77E-08	3.10E-10	2.13E-08	3.04E-09	9.26E-09	9.39E-11	1.24E-08
1045	470923.31	3819200.17	3.60E-08	1.40E-07	1.85E-09	1.78E-07	3.00E-08	1.03E-07	1.33E-09	1.34E-07	3.40E-09	1.80E-08	3.16E-10	2.17E-08	3.09E-09	9.42E-09	9.55E-11	1.26E-08
1046	470926.86	3819208.98	3.66E-08	1.42E-07	1.88E-09	1.80E-07	3.05E-08	1.04E-07	1.35E-09	1.36E-07	3.46E-09	1.83E-08	3.21E-10	2.21E-08	3.14E-09	9.57E-09	9.70E-11	1.28E-08
1047	470930.4	3819217.79	3.71E-08	1.44E-07	1.91E-09	1.83E-07	3.09E-08	1.06E-07	1.37E-09	1.38E-07	3.51E-09	1.85E-08	3.25E-10	2.24E-08	3.19E-09	9.71E-09	9.85E-11	1.30E-08
1048	470175.64	3818577.02	2.57E-08	9.97E-08	1.32E-09	1.27E-07	2.14E-08	7.33E-08	9.48E-10	9.56E-08	2.43E-09	1.28E-08	2.25E-10	1.55E-08	2.21E-09	6.72E-09	6.82E-11	9.00E-09
1049	470166.08	3818576.88	2.58E-08	1.00E-07	1.32E-09	1.27E-07	2.15E-08	7.35E-08	9.51E-10	9.59E-08	2.43E-09	1.29E-08	2.26E-10	1.55E-08	2.21E-09	6.74E-09	6.84E-11	9.02E-09
1050	470156.52	3818576.75	2.58E-08	1.00E-07	1.33E-09	1.27E-07	2.15E-08	7.36E-08	9.53E-10	9.61E-08	2.44E-09	1.29E-08	2.26E-10	1.56E-08	2.22E-09	6.76E-09	6.85E-11	9.04E-09
1051	470146.95	3818576.61	2.59E-08	1.00E-07	1.33E-09	1.27E-07	2.15E-08	7.37E-08	9.54E-10	9.62E-08	2.44E-09	1.29E-08	2.27E-10	1.56E-08	2.22E-09	6.76E-09	6.85E-11	9.05E-09
1052	470137.39	3818576.48	2.63E-08	1.02E-07	1.35E-09	1.30E-07	2.19E-08	7.50E-08	9.71E-10	9.79E-08	2.49E-09	1.31E-08	2.31E-10	1.59E-08	2.26E-09	6.88E-09	6.98E-11	9.21E-09

1053	470127.83	3818576.34	2.62E-08	1.02E-07	1.35E-09	1.29E-07	2.19E-08	7.48E-08	9.68E-10	9.76E-08	2.48E-09	1.31E-08	2.30E-10	1.58E-08	2.25E-09	6.86E-09	6.96E-11	9.18E-09
1054	470118.27	3818576.21	2.61E-08	1.01E-07	1.34E-09	1.29E-07	2.17E-08	7.44E-08	9.63E-10	9.71E-08	2.47E-09	1.30E-08	2.29E-10	1.57E-08	2.24E-09	6.83E-09	6.92E-11	9.14E-09
1055	470501.24	3818628.9	1.53E-08	5.91E-08	7.84E-10	7.52E-08	1.27E-08	4.35E-08	5.62E-10	5.67E-08	1.44E-09	7.61E-09	1.34E-10	9.19E-09	1.31E-09	3.99E-09	4.04E-11	5.34E-09
1056	470510	3818632.66	1.50E-08	5.83E-08	7.72E-10	7.40E-08	1.25E-08	4.28E-08	5.54E-10	5.59E-08	1.42E-09	7.50E-09	1.32E-10	9.05E-09	1.29E-09	3.93E-09	3.98E-11	5.26E-09
1057	470518.77	3818636.42	1.48E-08	5.74E-08	7.60E-10	7.29E-08	1.23E-08	4.21E-08	5.45E-10	5.50E-08	1.40E-09	7.38E-09	1.30E-10	8.91E-09	1.27E-09	3.87E-09	3.92E-11	5.17E-09
1058	470527.53	3818640.18	1.46E-08	5.65E-08	7.48E-10	7.18E-08	1.21E-08	4.15E-08	5.37E-10	5.41E-08	1.37E-09	7.27E-09	1.28E-10	8.77E-09	1.25E-09	3.80E-09	3.86E-11	5.09E-09
1059	470536.29	3818643.94	1.43E-08	5.56E-08	7.37E-10	7.07E-08	1.19E-08	4.09E-08	5.29E-10	5.33E-08	1.35E-09	7.16E-09	1.26E-10	8.64E-09	1.23E-09	3.75E-09	3.80E-11	5.02E-09
1060	470545.05	3818647.7	1.41E-08	5.48E-08	7.26E-10	6.97E-08	1.18E-08	4.03E-08	5.21E-10	5.26E-08	1.33E-09	7.06E-09	1.24E-10	8.51E-09	1.21E-09	3.69E-09	3.75E-11	4.95E-09
1061	470553.81	3818651.46	1.39E-08	5.40E-08	7.15E-10	6.86E-08	1.16E-08	3.97E-08	5.13E-10	5.18E-08	1.31E-09	6.95E-09	1.22E-10	8.39E-09	1.19E-09	3.64E-09	3.69E-11	4.87E-09
1062	470562.58	3818655.22	1.37E-08	5.31E-08	7.04E-10	6.75E-08	1.14E-08	3.90E-08	5.05E-10	5.09E-08	1.29E-09	6.84E-09	1.20E-10	8.25E-09	1.18E-09	3.58E-09	3.63E-11	4.79E-09
1063	470571.34	3818658.98	1.35E-08	5.22E-08	6.92E-10	6.64E-08	1.12E-08	3.84E-08	4.97E-10	5.01E-08	1.27E-09	6.72E-09	1.18E-10	8.11E-09	1.16E-09	3.52E-09	3.57E-11	4.71E-09
1064	470580.1	3818662.75	1.32E-08	5.14E-08	6.81E-10	6.53E-08	1.10E-08	3.77E-08	4.89E-10	4.93E-08	1.25E-09	6.61E-09	1.16E-10	7.98E-09	1.14E-09	3.46E-09	3.51E-11	4.64E-09
1065	470667.72	3818700.35	1.13E-08	4.37E-08	5.79E-10	5.55E-08	9.38E-09	3.21E-08	4.15E-10	4.19E-08	1.06E-09	5.62E-09	9.87E-11	6.79E-09	9.67E-10	2.94E-09	2.99E-11	3.94E-09
1066	470676.48	3818704.11	1.11E-08	4.30E-08	5.70E-10	5.47E-08	9.24E-09	3.16E-08	4.09E-10	4.13E-08	1.05E-09	5.54E-09	9.72E-11	6.69E-09	9.53E-10	2.90E-09	2.94E-11	3.88E-09
1067	470685.25	3818707.87	1.09E-08	4.24E-08	5.62E-10	5.39E-08	9.11E-09	3.12E-08	4.03E-10	4.07E-08	1.03E-09	5.46E-09	9.58E-11	6.59E-09	9.39E-10	2.86E-09	2.90E-11	3.83E-09
1068	470694.01	3818711.64	1.08E-08	4.18E-08	5.54E-10	5.32E-08	8.99E-09	3.07E-08	3.98E-10	4.01E-08	1.02E-09	5.39E-09	9.45E-11	6.50E-09	9.26E-10	2.82E-09	2.86E-11	3.77E-09
1069	470702.77	3818715.4	1.06E-08	4.13E-08	5.47E-10	5.25E-08	8.87E-09	3.03E-08	3.93E-10	3.96E-08	1.01E-09	5.31E-09	9.33E-11	6.41E-09	9.14E-10	2.78E-09	2.82E-11	3.72E-09
1070	470711.53	3818719.16	1.05E-08	4.08E-08	5.40E-10	5.18E-08	8.75E-09	2.99E-08	3.88E-10	3.91E-08	9.92E-10	5.25E-09	9.21E-11	6.33E-09	9.02E-10	2.75E-09	2.79E-11	3.68E-09
1071	470720.29	3818722.92	1.04E-08	4.03E-08	5.33E-10	5.12E-08	8.65E-09	2.96E-08	3.83E-10	3.86E-08	9.80E-10	5.18E-09	9.10E-11	6.25E-09	8.91E-10	2.71E-09	2.75E-11	3.63E-09
1072	470729.06	3818726.68	1.03E-08	3.98E-08	5.27E-10	5.06E-08	8.55E-09	2.93E-08	3.79E-10	3.82E-08	9.69E-10	5.12E-09	8.99E-11	6.18E-09	8.81E-10	2.68E-09	2.72E-11	3.59E-09
1073	470737.82	3818730.44	1.02E-08	3.94E-08	5.22E-10	5.01E-08	8.46E-09	2.89E-08	3.75E-10	3.78E-08	9.59E-10	5.07E-09	8.90E-11	6.12E-09	8.72E-10	2.65E-09	2.69E-11	3.55E-09
1074	470746.58	3818734.2	1.01E-08	3.90E-08	5.17E-10	4.96E-08	8.37E-09	2.87E-08	3.71E-10	3.74E-08	9.49E-10	5.02E-09	8.81E-11	6.06E-09	8.63E-10	2.63E-09	2.67E-11	3.52E-09
1075	470755.34	3818737.96	9.96E-09	3.86E-08	5.12E-10	4.91E-08	8.30E-09	2.84E-08	3.67E-10	3.71E-08	9.41E-10	4.97E-09	8.73E-11	6.00E-09	8.55E-10	2.60E-09	2.64E-11	3.49E-09
1076	470764.1	3818741.72	9.88E-09	3.83E-08	5.08E-10	4.87E-08	8.23E-09	2.82E-08	3.64E-10	3.67E-08	9.33E-10	4.93E-09	8.66E-11	5.95E-09	8.48E-10	2.58E-09	2.62E-11	3.46E-09
1077	470772.87	3818745.48	9.80E-09	3.80E-08	5.03E-10	4.83E-08	8.16E-09	2.79E-08	3.61E-10	3.64E-08	9.25E-10	4.89E-09	8.59E-11	5.90E-09	8.41E-10	2.56E-09	2.60E-11	3.43E-09
1078	470785.19	3818758.09	9.88E-09	3.83E-08	5.07E-10	4.87E-08	8.23E-09	2.81E-08	3.64E-10	3.67E-08	9.33E-10	4.93E-09	8.65E-11	5.95E-09	8.48E-10	2.58E-09	2.62E-11	3.46E-09
1079	470788.75	3818766.93	1.00E-08	3.89E-08	5.15E-10	4.94E-08	8.35E-09	2.86E-08	3.70E-10	3.73E-08	9.47E-10	5.01E-09	8.79E-11	6.04E-09	8.61E-10	2.62E-09	2.66E-11	3.51E-09
1080	470792.31	3818775.78	1.02E-08	3.95E-08	5.24E-10	5.03E-08	8.49E-09	2.91E-08	3.76E-10	3.79E-08	9.63E-10	5.09E-09	8.93E-11	6.14E-09	8.75E-10	2.67E-09	2.70E-11	3.57E-09
1081	470795.87	3818784.62	1.04E-08	4.02E-08	5.33E-10	5.11E-08	8.64E-09	2.96E-08	3.82E-10	3.86E-08	9.79E-10	5.18E-09	9.09E-11	6.25E-09	8.90E-10	2.71E-09	2.75E-11	3.63E-09
1082	470799.43	3818793.47	1.06E-08	4.10E-08	5.43E-10	5.21E-08	8.80E-09	3.01E-08	3.89E-10	3.93E-08	9.97E-10	5.27E-09	9.25E-11	6.36E-09	9.06E-10	2.76E-09	2.80E-11	3.69E-09
1083	470802.99	3818802.31	1.08E-08	4.17E-08	5.53E-10	5.30E-08	8.96E-09	3.07E-08	3.97E-10	4.00E-08	1.02E-09	5.37E-09	9.43E-11	6.48E-09	9.24E-10	2.81E-09	2.85E-11	3.76E-09
1084	470806.56	3818811.16	1.10E-08	4.26E-08	5.64E-10	5.41E-08	9.14E-09	3.13E-08	4.05E-10	4.08E-08	1.04E-09	5.48E-09	9.62E-11	6.61E-09	9.42E-10	2.87E-09	2.91E-11	3.84E-09
1085	470810.12	3818820	1.12E-08	4.34E-08	5.75E-10	5.52E-08	9.33E-09	3.19E-08	4.13E-10	4.17E-08	1.06E-09	5.59E-09	9.81E-11	6.75E-09	9.61E-10	2.93E-09	2.97E-11	3.92E-09
1086	470813.68	3818828.85	1.14E-08	4.44E-08	5.88E-10	5.64E-08	9.53E-09	3.26E-08	4.22E-10	4.25E-08	1.08E-09	5.71E-09	1.00E-10	6.89E-09	9.82E-10	2.99E-09	3.03E-11	4.00E-09
1087	470817.24	3818837.69	1.17E-08	4.54E-08	6.01E-10	5.76E-08	9.74E-09	3.33E-08	4.31E-10	4.35E-08	1.10E-09	5.84E-09	1.02E-10	7.04E-09	1.00E-09	3.06E-09	3.10E-11	4.09E-09
1088	470820.8	3818846.54	1.20E-08	4.64E-08	6.15E-10	5.90E-08	9.96E-09	3.41E-08	4.41E-10	4.45E-08	1.13E-09	5.97E-09	1.05E-10	7.21E-09	1.03E-09	3.13E-09	3.17E-11	4.19E-09
1089	470824.36	3818855.38	1.22E-08	4.75E-08	6.29E-10	6.04E-08	1.02E-08	3.49E-08	4.52E-10	4.56E-08	1.16E-09	6.11E-09	1.07E-10	7.38E-09	1.05E-09	3.20E-09	3.25E-11	4.29E-09
1090	470827.92	3818864.23	1.25E-08	4.87E-08	6.45E-10	6.18E-08	1.04E-08	3.57E-08	4.63E-10	4.67E-08	1.18E-09	6.26E-09	1.10E-10	7.56E-09	1.08E-09	3.28E-09	3.33E-11	4.39E-09
1091	470831.48	3818873.08	1.29E-08	4.99E-08	6.61E-10	6.34E-08	1.07E-08	3.67E-08	4.74E-10	4.78E-08	1.21E-09	6.42E-09	1.13E-10	7.75E-09	1.10E-09	3.36E-09	3.41E-11	4.50E-09
1092	470835.04	3818881.92	1.32E-08	5.12E-08	6.78E-10	6.50E-08	1.10E-08	3.76E-08	4.87E-10	4.91E-08	1.25E-09	6.59E-09	1.16E-10	7.95E-09	1.13E-09	3.45E-09	3.50E-11	4.62E-09
1093	470838.6	3818890.77	1.35E-08	5.25E-08	6.96E-10	6.68E-08	1.13E-08	3.86E-08	4.99E-10	5.04E-08	1.28E-09	6.76E-09	1.19E-10	8.16E-09	1.16E-09	3.54E-09	3.59E-11	4.74E-09
1094	470842.17	3818899.61	1.39E-08	5.39E-08	7.14E-10	6.85E-08	1.16E-08	3.96E-08	5.13E-10	5.17E-08	1.31E-09	6.94E-09	1.22E-10	8.37E-09	1.19E-09	3.63E-09	3.69E-11	4.86E-09
1095	470845.73	3818908.46	1.43E-08	5.54E-08	7.34E-10	7.04E-08	1.19E-08	4.07E-08	5.27E-10	5.31E-08	1.35E-09	7.13E-09	1.25E-10	8.60E-09	1.23E-09	3.73E-09	3.79E-11	5.00E-09
1096	470849.29	3818917.3	1.47E-08	5.69E-08	7.54E-10	7.23E-08	1.22E-08	4.18E-08	5.41E-10	5.46E-08	1.39E-09	7.32E-09	1.29E-10	8.84E-09	1.26E-09	3.84E-09	3.89E-11	5.13E-09
1097	470852.85	3818926.15	1.51E-08	5.85E-08	7.75E-10	7.44E-08	1.26E-08	4.30E-08	5.56E-10	5.61E-08	1.42E-09	7.53E-09	1.32E-10	9.09E-09	1.29E-09	3.94E-09	4.00E-11	5.28E-09
1098	470856.41	3818934.99	1.55E-08	6.01E-08	7.97E-10	7.64E-08	1.29E-08	4.42E-08	5.72E-10	5.77E-08	1.46E-09	7.74E-09	1.36E-10	9.34E-09	1.33E-09	4.05E-09	4.11E-11	5.43E-09
1099	470859.97	3818943.84	1.60E-08	6.19E-08	8.20E-10	7.86E-08	1.33E-08	4.55E-08	5.88E-10	5.93E-08	1.51E-09	7.96E-09	1.40E-10	9.61E-09	1.37E-09	4.17E-09	4.23E-11	5.58E-09
1100	470863.53	3818952.68	1.64E-08	6.36E-08	8.43E-10	8.09E-08	1.37E-08	4.68E-08	6.05E-10	6.10E-08	1.55E-09	8.19E-09	1.44E-10	9.89E-09	1.41E-09	4.29E-09	4.35E-11	5.74E-09
1101	470867.09	3818961.53	1.69E-08	6.55E-08	8.68E-10	8.32E-08	1.41E-08	4.81E-08	6.23E-10	6.28E-08	1.59E-09	8.43E-09	1.48E-10	1.02E-08	1.45E-09	4.41E-09	4.48E-11	5.91E-09
1102	470870.65	3818970.37	1.74E-08	6.74E-08	8.93E-10	8.57E-08	1.45E-08	4.95E-08	6.41E-10	6.46E-08	1.64E-09	8.68E-09	1.52E-10	1.05E-08	1.49E-09	4.54E-09	4.61E-11	6.08E-09
1103	470874.21	3818979.22	1.79E-08	6.94E-08	9.19E-10	8.82E-08	1.49E-08	5.10E-08	6.60E-10	6.65E-08	1.69E-09	8.93E-09	1.57E-10	1.08E-08	1.54E-09	4.68E-09	4.74E-11	6.26E-09
1104	470877.78	3818988.06	1.84E-08	7.14E-08	9.46E-10	9.08E-08	1.53E-08	5.25E-08	6.79E-10	6.85E-08	1.74E-09	9.19E-09	1.61E-10	1.11E-08	1.58E-09	4.81E-09	4.88E-11	6.44E-09
1105	470881.34	3818996.91	1.90E-08	7.35E-08	9.74E-10	9.34E-08	1.58E-08	5.40E-08	6.99E-10	7.05E-08	1.79E-09	9.46E-09	1.66E-10	1.14E-08	1.63E-09	4.96E-09	5.02E-11	6.63E-09
1106	470945.43	3819156.12	3.01E-08	1.17E-07	1.54E-09	1.48E-07	2.50E-08	8.57E-08	1.11E-09	1.12E-07	2.84E-09	1.50E-08	2.63E-10	1.81E-08	2.58E-09	7.86E-09	7.97E-11	1.05E-08
1107	470949	3819164.97	3.06E-08	1.19E-07	1.57E-09	1.51E-07	2.55E-08	8.73E-08	1.13E-09	1.14E-07	2.89E-09	1.53E-08	2.69E-10	1.85E-08	2.63E-09	8.01E-09	8.12E-11	1.07E-08
1108	470952.56	3819173.81	3.12E-08	1.21E-07	1.60E-09	1.54E-07	2.60E-08	8.90E-08	1.15E-09	1.16E-07	2.95E-09	1.56E-08	2.74E-10	1.88E-08	2.68E-09	8.16E-09	8.28E-11	1.09E-08
1109	470956.12	3819182.66	3.18E-08	1.23E-07	1.63E-09	1.57E-07	2.65E-08	9.05E-08	1.17E-09	1.18E-07	3.00E-09	1.59E-08	2.78E-10	1.91E-08	2.73E-09	8.30E-09	8.42E-11	1.11E-08
1110	470959.68	3819191.5	3.23E-08	1.25E-07	1.66E-09	1.59E-07	2.69E-08	9.20E-08	1.19E-09	1.20E-07	3.05E-09	1.61E-08	2.83E-10	1.95E-08	2.77E-09	8.44E-09	8.56E-11	1.13E-08
1111	470963.24	3819200.35	3.28E-08	1.27E-07	1.69E-09	1.62E-07	2.73E-08	9.35E-08	1.21E-09	1.22E-07	3.10E-09	1.64E-08	2.87E-10	1.98E-08	2.82E-09	8.58E-09	8.70E-11	1.15E-08
1112	470966.8	3819209.19	3.33E-08	1.29E-07	1.71E-09	1.64E-07	2.77E-08	9.49E-08	1.23E-09	1.24E-07	3.14E-09	1.66E-08	2.92E-10	2.01E-08	2.86E-09	8.70E-09	8.83E-11	1.16E-08
1113	470970.36	3819218.04	3.38E-08	1.31E-07	1.73E-09	1.66E-07	2.81E-08	9.62E-08	1.24E-09	1.26E-07	3.19E-09	1.69E-08	2.96E-10	2.03E-08	2.90E-09	8.82E-09	8.95E-11	1.18E-08
1114	470157.08	3818536.75	2.32E-08	9.01E-08	1.19E-09	1.15E-07	1.93E-08	6.62E-08	8.57E-10	8.64E-08	2.19E-09	1.16E-08	2.04E-10	1.40E-08	1.99E-09	6.07E-09	6.16E-11	8.13E-09
1115	470147.52	3818536.61	2.32E-08	9.02E-08	1.19E-09	1.15E-07	1.94E-08	6.63E-08	8.57E-10	8.65E-08	2.20E-09	1.16E-08	2.04E-10	1.40E-08	2.00E-09	6.08E-09	6.16E-11	8.14E-09
1116	470137.96	3818536.48	2.37E-08	9.19E-08	1.22E-09	1.17E-07	1.97E-08	6.76E-08	8.74E-10	8.82E-08	2.24E-09	1.18E-08	2.08E-10	1.43E-08	2.03E-09	6.20E-09	6.28E-11	8.29E-09
1117	470128.39	3818536.34	2.36E-08	9.17E-08	1.21E-09	1.17E-07	1.97E-08	6.74E-08	8.72E-10	8.80E-08	2.23E-09	1.18E-08	2.07E-10	1.42E-08	2.03E-09	6.18E-09	6.27E-11	8.27E-09
1118	470118.83	3818536.21	2.35E-08	9.13E-08	1.21E-09	1.16E-07	1.96E-08	6.71E-08	8.68E-10	8.76E-08	2.22E-09	1.18E-08	2.06E-10	1.42E-08	2.02E-09	6.15E-09	6.24E-11	8.24E-09
1119	470543.76	3818566.67	1.21E-08	4.71E-08	6.24E-10	5.99E-08	1.01E-08	3.46E-08	4.48E-10	4.52E-08	1.15E-09	6.06E-09	1.06E-10	7.32E-09	1.04E-09	3.17E-09	3.22E-11	4.25E-09
1120	470552.44	3818570.4	1.20E-08	4.65E-08	6.15E-10	5.90E-08	9.98E-09	3.41E-08	4.42E-10	4.46E-08	1.13E-09	5.98E-09	1.05E-10	7.22E-09	1.03E-09	3.13E-09	3.18E-11	4.19E-09
1121	470561.12	3818574.12	1.18E-08	4.58E-08	6.07E-10	5.82E-08	9.83E-09	3.36E-08	4.35E-10	4.39E-08	1.11E-09	5.89E-09	1.03E-10	7.11E-09	1.01E-09	3.09E-09	3.13E-11	4.13E-09
1122	470569.8	3818577.85	1.16E-08	4.51E-08	5.98E-10	5.74E-08	9.69E-09	3.32E-08	4.29E-10	4.33E-08	1.10E-09	5.81E-09	1.02E-10	7.01E-09	9.99E-10	3.04E-09	3.09E-11	4.07E-09
1123	470578.48	3818581.57	1.15E-08	4.45E-08	5.89E-10	5.65E-08	9.55E-09	3.27E-08	4.23E-10	4.27E-08	1.08E-09	5.73E-09	1.00E-10	6.91E-09	9.84E-10	3.00E-09	3.04E-11	4.01E-09
1124	470587.15	3818585.3	1.13E-08	4.38E-08	5.81E-10	5.57E-08	9.41E-09	3.22E-08	4.17E-10	4.20E-08	1.07E-09	5.64E-09	9.90E-11	6.81E-09	9.70E-10	2.95E-09	3.00E-11	3.95E-09
1125	470595.83	3818589.02	1.11E-08	4.32E-08	5.72E-10	5.49E-08	9.27E-09	3.17E-08	4.11E-10	4.14E-08	1.05E-09	5.56E-09	9.76E-11	6.71E-09	9.56E-10	2.91E-09	2.95E-11	3.90E-09
1126	470604.51	3818592.75	1.10E-08	4.25E-08	5.63E-10	5.41E-08	9.13E-09	3.13E-08	4.04E-10	4.08E-08	1.04E-09	5.48E-09	9.61E-11	6.61E-09	9.41E-10	2.87E-09	2.91E-11	3.84E-09
1127	470613.19	3818596.47	1.08E-08	4.19E-08	5.55E-10	5.33E-08	9.00E-09	3.08E-08	3.98E-10	4.02E-08	1.02E-09	5.39E-09	9.47E-11	6.51E-09	9.27E-10	2.82E-09	2.86E-11	3.78E-09
1128	470621.87	3818600.2	1.06E-08	4.13E-08	5.47E-10	5.24E-08	8.86E-09	3.03E-08	3.92E-10	3.96E-08	1.00E-09	5.31E-09	9.32E-11	6.41E-09	9.13E-10	2.78E-09	2.82E-11	3.72E-09
1129	470673.94	3818622.55	9.71E-09	3.77E-08	4.99E-10	4.79E-08	8.09E-09	2.77E-08	3.58E-10	3.61E-08	9.17E-10	4.85E-09	8.51E-11	5.85E-09	8.34E-10	2.54E-09	2.57E-11	3.40E-09
1130	470682.62	3818626.27	9.57E-09	3.71E-08	4.92E-10	4.72E-08	7.97E-09	2.73E-08	3.53E-10	3.56E-08	9.03E-10	4.78E-09	8.38E-11	5.76E-09	8.21E-10	2.50E-09	2.54E-11	3.35E-09
1131	470691.3	3818630	9.42E-09	3.66E-08	4.84E-10	4.65E-08	7.85E-09	2.69E-08	3.48E-10	3.51E-08	8.90E-10	4.71E-09	8.26E-11	5.68E-09	8.09E-10	2.46E-09	2.50E-11	3.30E-09
1132	470699.98	3818633.72	9.29E-09	3.60E-08	4.77E-10	4.58E-08	7.74E-09	2.65E-08	3.42E-10	3.45E-08	8.77E-10	4.64E-09	8.14E-11	5.59E-09	7.97E-10	2.43E-09	2.46E-11	3.25E-09
1133	470708.66	3818637.45	9.16E-09	3.55E-08	4.70E-10	4.51E-08	7.63E-09	2.61E-08	3.38E-10	3.41E-08	8.65E-10	4.57E-09	8.02E-11	5.52E-09	7.86E-10	2.39E-09	2.43E-11	3.20E-09
1134	470717.33	3818641.17	9.03E-09	3.50E-08	4.64E-10	4.45E-08	7.52E-09	2.57E-08	3.33E-10	3.36E-08	8.53E-10	4.51E-09	7.91E-11	5.44E-09	7.75E-10	2.36E-09	2.39E-11	3.16E-09
1135	470726.01	3818644.9	8.90E-09	3.45E-08	4.58E-10	4.39E-08	7.42E-09	2.54E-08	3.28E-10	3.31E-08	8.41E-10	4.45E-09	7.80E-11	5.36E-09	7.64E-10	2.33E-09	2.36E-11	3.12E-09
1136	470734.69	3818648.62	8.79E-09	3.41E-08	4.52E-10	4.33E-08	7.32E-09	2.50E-08	3.24E-10	3.27E-08	8.30E-10	4.39E-09	7.70E-11	5.29E-09	7.54E-10	2.30E-09	2.33E-11	3.08E-09
1137	470743.37	3818652.35	8.68E-09	3.37E-08	4.46E-10	4.28E-08	7.23E-09	2.47E-08	3.20E-10	3.23E-08	8.20E-10	4.33E-09	7.61E-11	5.23E-09	7.45E-10	2.27E-09	2.30E-11	3.04E-09
1138	470752.05	3818656.07	8.57E-09	3.32E-08	4.40E-10	4.22E-08	7.14E-09	2.44E-08	3.16E-10	3.19E-08	8.09E-10	4.28E-09	7.51E-11	5.16E-09	7.36E-10	2.24E-09	2.27E-11	3.00E-09
1139	470760.73	3818659.8	8.47E-09	3.28E-08	4.35E-10	4.17E-08	7.05E-09	2.41E-08	3.12E-10	3.15E-08	8.00E-10	4.23E-09	7.42E-11	5.10E-09	7.27E-10	2.21E-09	2.24E-11	2.96E-09
1140	470769.41	3818663.52	8.37E-09	3.25E-08	4.30E-10	4.13E-08	6.97E-09	2.39E-08	3.09E-10	3.11E-08	7.91E-10	4.18E-09	7.34E-11	5.04E-09	7.19E-10	2.19E-09	2.22E-11	2.93E-09
1141	470778.08	3818667.25	8.28E-09	3.21E-08	4.26E-10	4.08E-08	6.90E-09	2.36E-08	3.05E-10	3.08E-08	7.82E-10	4.14E-09	7.26E-11	4.99E-09	7.11E-10	2.17E-09	2.20E-11	2.90E-09
1142	470786.76	3818670.97	8.20E-09	3.18E-08	4.21E-10	4.04E-08	6.83E-09	2.34E-08	3.02E-10	3.05E-08	7.74E-10	4.09E-09	7.19E-11	4.94E-09	7.04E-10	2.14E-09	2.17E-11	2.87E-09
1143	470795.44	3818674.69	8.12E-09	3.15E-08	4.17E-10	4.00E-08	6.77E-09	2.31E-08	3.00E-10	3.02E-08	7.67E-10	4.06E-09	7.12E-11	4.89E-09	6.97E-10	2.12E-09	2.15E-11	2.84E-09
1144	470804.12	3818678.42	8.05E-09	3.12E-08	4.14E-10	3.97E-08	6.71E-09	2.29E-08	2.97E-10	2.99E-08	7.60E-10	4.02E-09	7.05E-11	4.85E-09	6.91E-10	2.10E-09	2.13E-11	2.82E-09
1145	470812.8	3818682.14	7.98E-09	3.10E-08	4.10E-10	3.94E-08	6.65E-09	2.28E-08	2.94E-10	2.97E-08	7.54E-10	3.99E-09	7.00E-11	4.81E-09	6.85E-10	2.09E-09	2.12E-11	2.79E-09
1146	470821.48	3818685.87	7.92E-09	3.07E-08	4.07E-10	3.91E-08	6.60E-09	2.26E-08	2.92E-10	2.95E-08	7.48E-10	3.96E-09	6.94E-11	4.77E-09	6.80E-10	2.07E-09	2.10E-11	2.77E-09
1147	470830.16	3818689.59	7.87E-09	3.05E-08	4.04E-10	3.88E-08	6.55E-09	2.24E-08	2.90E-10	2.93E-08	7.43E-10	3.93E-09	6.90E-11	4.74E-09	6.75E-10	2.06E-09	2.09E-11	2.75E-09
1148	470842.36	3818702.08	7.92E-09	3.07E-08	4.07E-10	3.91E-08	6.60E-09	2.26E-08	2.92E-10	2.95E-08	7.48E-10	3.96E-09	6.94E-11	4.77E-09	6.80E-10	2.07E-09	2.10E-11	2.77E-

1149	470845.89	3818710.84	8.03E-09	3.12E-08	4.13E-10	3.96E-08	6.69E-09	2.29E-08	2.96E-10	2.99E-08	7.58E-10	4.01E-09	7.04E-11	4.84E-09	6.90E-10	2.10E-09	2.13E-11	2.81E-09
1150	470849.42	3818719.6	8.15E-09	3.16E-08	4.19E-10	4.02E-08	6.79E-09	2.32E-08	3.01E-10	3.03E-08	7.70E-10	4.07E-09	7.14E-11	4.91E-09	7.00E-10	2.13E-09	2.16E-11	2.85E-09
1151	470852.94	3818728.36	8.28E-09	3.21E-08	4.25E-10	4.08E-08	6.89E-09	2.36E-08	3.05E-10	3.08E-08	7.81E-10	4.13E-09	7.25E-11	4.99E-09	7.10E-10	2.16E-09	2.19E-11	2.90E-09
1152	470856.47	3818737.12	8.41E-09	3.26E-08	4.32E-10	4.15E-08	7.01E-09	2.40E-08	3.10E-10	3.13E-08	7.94E-10	4.20E-09	7.37E-11	5.07E-09	7.22E-10	2.20E-09	2.23E-11	2.94E-09
1153	470860	3818745.89	8.55E-09	3.32E-08	4.39E-10	4.22E-08	7.12E-09	2.44E-08	3.15E-10	3.18E-08	8.08E-10	4.27E-09	7.49E-11	5.15E-09	7.34E-10	2.24E-09	2.27E-11	2.99E-09
1154	470863.52	3818754.65	8.70E-09	3.37E-08	4.47E-10	4.29E-08	7.25E-09	2.48E-08	3.21E-10	3.24E-08	8.22E-10	4.34E-09	7.62E-11	5.24E-09	7.47E-10	2.27E-09	2.31E-11	3.04E-09
1155	470867.05	3818763.41	8.86E-09	3.44E-08	4.55E-10	4.37E-08	7.38E-09	2.53E-08	3.27E-10	3.30E-08	8.37E-10	4.42E-09	7.77E-11	5.34E-09	7.61E-10	2.32E-09	2.35E-11	3.10E-09
1156	470870.58	3818772.17	9.03E-09	3.50E-08	4.64E-10	4.45E-08	7.52E-09	2.57E-08	3.33E-10	3.36E-08	8.53E-10	4.51E-09	7.91E-11	5.44E-09	7.75E-10	2.36E-09	2.39E-11	3.16E-09
1157	470874.11	3818780.93	9.20E-09	3.57E-08	4.73E-10	4.54E-08	7.67E-09	2.62E-08	3.39E-10	3.42E-08	8.69E-10	4.59E-09	8.06E-11	5.54E-09	7.90E-10	2.41E-09	2.44E-11	3.22E-09
1158	470877.63	3818789.69	9.39E-09	3.64E-08	4.83E-10	4.63E-08	7.82E-09	2.68E-08	3.46E-10	3.49E-08	8.87E-10	4.69E-09	8.23E-11	5.66E-09	8.06E-10	2.46E-09	2.49E-11	3.29E-09
1159	470881.16	3818798.45	9.59E-09	3.72E-08	4.93E-10	4.73E-08	7.99E-09	2.73E-08	3.54E-10	3.57E-08	9.05E-10	4.79E-09	8.40E-11	5.78E-09	8.23E-10	2.51E-09	2.54E-11	3.36E-09
1160	470884.69	3818807.21	9.80E-09	3.80E-08	5.03E-10	4.83E-08	8.16E-09	2.79E-08	3.61E-10	3.64E-08	9.25E-10	4.89E-09	8.58E-11	5.90E-09	8.41E-10	2.56E-09	2.60E-11	3.43E-09
1161	470888.21	3818815.97	1.00E-08	3.88E-08	5.15E-10	4.94E-08	8.34E-09	2.85E-08	3.69E-10	3.72E-08	9.46E-10	5.00E-09	8.78E-11	6.03E-09	8.60E-10	2.62E-09	2.65E-11	3.50E-09
1162	470891.74	3818824.73	1.02E-08	3.97E-08	5.26E-10	5.05E-08	8.53E-09	2.92E-08	3.78E-10	3.81E-08	9.67E-10	5.11E-09	8.97E-11	6.17E-09	8.79E-10	2.68E-09	2.71E-11	3.58E-09
1163	470895.27	3818833.49	1.05E-08	4.06E-08	5.38E-10	5.16E-08	8.73E-09	2.99E-08	3.86E-10	3.90E-08	9.89E-10	5.23E-09	9.18E-11	6.31E-09	8.99E-10	2.74E-09	2.78E-11	3.67E-09
1164	470898.8	3818842.26	1.07E-08	4.16E-08	5.51E-10	5.29E-08	8.93E-09	3.06E-08	3.95E-10	3.99E-08	1.01E-09	5.35E-09	9.40E-11	6.46E-09	9.21E-10	2.80E-09	2.84E-11	3.75E-09
1165	470902.32	3818851.02	1.10E-08	4.26E-08	5.64E-10	5.41E-08	9.15E-09	3.13E-08	4.05E-10	4.08E-08	1.04E-09	5.48E-09	9.62E-11	6.62E-09	9.43E-10	2.87E-09	2.91E-11	3.84E-09
1166	470905.85	3818859.78	1.12E-08	4.36E-08	5.78E-10	5.54E-08	9.37E-09	3.21E-08	4.15E-10	4.18E-08	1.06E-09	5.61E-09	9.86E-11	6.78E-09	9.65E-10	2.94E-09	2.98E-11	3.94E-09
1167	470909.38	3818868.54	1.15E-08	4.47E-08	5.92E-10	5.68E-08	9.60E-09	3.28E-08	4.25E-10	4.29E-08	1.09E-09	5.75E-09	1.01E-10	6.94E-09	9.89E-10	3.01E-09	3.06E-11	4.03E-09
1168	470912.9	3818877.3	1.18E-08	4.58E-08	6.07E-10	5.82E-08	9.84E-09	3.37E-08	4.36E-10	4.39E-08	1.12E-09	5.90E-09	1.04E-10	7.12E-09	1.01E-09	3.09E-09	3.13E-11	4.13E-09
1169	470916.43	3818886.06	1.21E-08	4.70E-08	6.22E-10	5.97E-08	1.01E-08	3.45E-08	4.47E-10	4.51E-08	1.14E-09	6.05E-09	1.06E-10	7.30E-09	1.04E-09	3.17E-09	3.21E-11	4.24E-09
1170	470919.96	3818894.82	1.24E-08	4.82E-08	6.39E-10	6.13E-08	1.04E-08	3.54E-08	4.58E-10	4.62E-08	1.17E-09	6.20E-09	1.09E-10	7.49E-09	1.07E-09	3.25E-09	3.29E-11	4.35E-09
1171	470923.49	3818903.58	1.28E-08	4.95E-08	6.55E-10	6.29E-08	1.06E-08	3.63E-08	4.70E-10	4.74E-08	1.20E-09	6.37E-09	1.12E-10	7.68E-09	1.09E-09	3.33E-09	3.38E-11	4.46E-09
1172	470927.01	3818912.34	1.31E-08	5.08E-08	6.72E-10	6.45E-08	1.09E-08	3.73E-08	4.83E-10	4.87E-08	1.24E-09	6.53E-09	1.15E-10	7.88E-09	1.12E-09	3.42E-09	3.47E-11	4.58E-09
1173	470930.54	3818921.1	1.34E-08	5.21E-08	6.90E-10	6.62E-08	1.12E-08	3.83E-08	4.95E-10	5.00E-08	1.27E-09	6.71E-09	1.18E-10	8.09E-09	1.15E-09	3.51E-09	3.56E-11	4.70E-09
1174	470934.07	3818929.86	1.38E-08	5.35E-08	7.08E-10	6.80E-08	1.15E-08	3.93E-08	5.09E-10	5.13E-08	1.30E-09	6.88E-09	1.21E-10	8.31E-09	1.18E-09	3.60E-09	3.66E-11	4.82E-09
1175	470937.59	3818938.63	1.42E-08	5.49E-08	7.27E-10	6.98E-08	1.18E-08	4.04E-08	5.22E-10	5.27E-08	1.34E-09	7.07E-09	1.24E-10	8.53E-09	1.22E-09	3.70E-09	3.75E-11	4.95E-09
1176	470941.12	3818947.39	1.45E-08	5.64E-08	7.47E-10	7.17E-08	1.21E-08	4.14E-08	5.36E-10	5.41E-08	1.37E-09	7.26E-09	1.27E-10	8.76E-09	1.25E-09	3.80E-09	3.85E-11	5.09E-09
1177	470944.65	3818956.15	1.49E-08	5.79E-08	7.67E-10	7.36E-08	1.24E-08	4.25E-08	5.50E-10	5.55E-08	1.41E-09	7.45E-09	1.31E-10	8.99E-09	1.28E-09	3.90E-09	3.96E-11	5.22E-09
1178	470948.17	3818964.91	1.53E-08	5.95E-08	7.88E-10	7.56E-08	1.28E-08	4.37E-08	5.65E-10	5.70E-08	1.45E-09	7.65E-09	1.34E-10	9.24E-09	1.32E-09	4.01E-09	4.06E-11	5.36E-09
1179	470951.7	3818973.67	1.57E-08	6.10E-08	8.09E-10	7.76E-08	1.31E-08	4.49E-08	5.81E-10	5.85E-08	1.49E-09	7.86E-09	1.38E-10	9.48E-09	1.35E-09	4.11E-09	4.17E-11	5.51E-09
1180	470955.23	3818982.43	1.62E-08	6.27E-08	8.31E-10	7.97E-08	1.35E-08	4.61E-08	5.96E-10	6.01E-08	1.53E-09	8.07E-09	1.42E-10	9.74E-09	1.39E-09	4.23E-09	4.29E-11	5.66E-09
1181	470958.76	3818991.19	1.66E-08	6.44E-08	8.53E-10	8.18E-08	1.38E-08	4.73E-08	6.12E-10	6.17E-08	1.57E-09	8.29E-09	1.45E-10	1.00E-08	1.42E-09	4.34E-09	4.40E-11	5.81E-09
1182	470962.28	3818999.95	1.70E-08	6.61E-08	8.76E-10	8.40E-08	1.42E-08	4.86E-08	6.29E-10	6.34E-08	1.61E-09	8.51E-09	1.49E-10	1.03E-08	1.46E-09	4.46E-09	4.52E-11	5.96E-09
1183	470965.81	3819008.71	1.75E-08	6.78E-08	8.99E-10	8.62E-08	1.46E-08	4.99E-08	6.45E-10	6.51E-08	1.65E-09	8.73E-09	1.53E-10	1.05E-08	1.50E-09	4.57E-09	4.64E-11	6.12E-09
1184	470969.34	3819017.47	1.80E-08	6.96E-08	9.23E-10	8.85E-08	1.50E-08	5.12E-08	6.62E-10	6.68E-08	1.70E-09	8.96E-09	1.57E-10	1.08E-08	1.54E-09	4.69E-09	4.76E-11	6.28E-09
1185	470972.86	3819026.23	1.84E-08	7.14E-08	9.46E-10	9.08E-08	1.53E-08	5.25E-08	6.79E-10	6.85E-08	1.74E-09	9.20E-09	1.61E-10	1.11E-08	1.58E-09	4.82E-09	4.88E-11	6.45E-09
1186	470976.39	3819035	1.89E-08	7.33E-08	9.71E-10	9.31E-08	1.57E-08	5.38E-08	6.97E-10	7.03E-08	1.78E-09	9.43E-09	1.66E-10	1.14E-08	1.62E-09	4.94E-09	5.01E-11	6.61E-09
1187	470979.92	3819043.76	1.94E-08	7.51E-08	9.95E-10	9.55E-08	1.61E-08	5.52E-08	7.14E-10	7.20E-08	1.83E-09	9.67E-09	1.70E-10	1.17E-08	1.66E-09	5.06E-09	5.13E-11	6.78E-09
1188	470983.45	3819052.52	1.98E-08	7.70E-08	1.02E-09	9.79E-08	1.65E-08	5.66E-08	7.32E-10	7.38E-08	1.87E-09	9.91E-09	1.74E-10	1.20E-08	1.70E-09	5.19E-09	5.26E-11	6.95E-09
1189	470986.97	3819061.28	2.03E-08	7.89E-08	1.05E-09	1.00E-07	1.69E-08	5.80E-08	7.50E-10	7.57E-08	1.92E-09	1.02E-08	1.78E-10	1.23E-08	1.75E-09	5.32E-09	5.39E-11	7.12E-09
1190	470990.5	3819070.04	2.08E-08	8.08E-08	1.07E-09	1.03E-07	1.73E-08	5.94E-08	7.68E-10	7.75E-08	1.97E-09	1.04E-08	1.83E-10	1.25E-08	1.79E-09	5.44E-09	5.52E-11	7.29E-09
1191	470994.03	3819078.8	2.13E-08	8.27E-08	1.10E-09	1.05E-07	1.78E-08	6.08E-08	7.86E-10	7.93E-08	2.01E-09	1.06E-08	1.87E-10	1.28E-08	1.83E-09	5.57E-09	5.65E-11	7.46E-09
1192	470997.55	3819087.56	2.18E-08	8.46E-08	1.12E-09	1.08E-07	1.82E-08	6.22E-08	8.04E-10	8.11E-08	2.06E-09	1.09E-08	1.91E-10	1.31E-08	1.87E-09	5.70E-09	5.78E-11	7.63E-09
1193	471001.08	3819096.32	2.23E-08	8.65E-08	1.15E-09	1.10E-07	1.86E-08	6.36E-08	8.23E-10	8.30E-08	2.11E-09	1.11E-08	1.95E-10	1.34E-08	1.91E-09	5.83E-09	5.91E-11	7.80E-09
1194	471004.61	3819105.08	2.28E-08	8.84E-08	1.17E-09	1.12E-07	1.90E-08	6.50E-08	8.41E-10	8.48E-08	2.15E-09	1.14E-08	2.00E-10	1.37E-08	1.96E-09	5.96E-09	6.04E-11	7.97E-09
1195	471008.14	3819113.84	2.33E-08	9.03E-08	1.20E-09	1.15E-07	1.94E-08	6.63E-08	8.58E-10	8.66E-08	2.20E-09	1.16E-08	2.04E-10	1.40E-08	2.00E-09	6.08E-09	6.17E-11	8.14E-09
1196	471011.66	3819122.6	2.37E-08	9.21E-08	1.22E-09	1.17E-07	1.98E-08	6.77E-08	8.76E-10	8.83E-08	2.24E-09	1.19E-08	2.08E-10	1.43E-08	2.04E-09	6.21E-09	6.29E-11	8.31E-09
1197	471015.19	3819131.37	2.42E-08	9.39E-08	1.24E-09	1.19E-07	2.02E-08	6.90E-08	8.93E-10	9.01E-08	2.29E-09	1.21E-08	2.12E-10	1.46E-08	2.08E-09	6.33E-09	6.42E-11	8.47E-09
1198	471018.72	3819140.13	2.47E-08	9.57E-08	1.27E-09	1.22E-07	2.06E-08	7.03E-08	9.10E-10	9.18E-08	2.33E-09	1.23E-08	2.16E-10	1.49E-08	2.12E-09	6.45E-09	6.54E-11	8.63E-09
1199	471022.24	3819148.89	2.51E-08	9.74E-08	1.29E-09	1.24E-07	2.09E-08	7.16E-08	9.27E-10	9.35E-08	2.37E-09	1.25E-08	2.20E-10	1.51E-08	2.16E-09	6.57E-09	6.66E-11	8.79E-09
1200	471025.77	3819157.65	2.56E-08	9.91E-08	1.31E-09	1.26E-07	2.13E-08	7.28E-08	9.43E-10	9.51E-08	2.41E-09	1.28E-08	2.24E-10	1.54E-08	2.19E-09	6.68E-09	6.78E-11	8.94E-09
1201	471029.3	3819166.41	2.60E-08	1.01E-07	1.34E-09	1.28E-07	2.16E-08	7.41E-08	9.58E-10	9.67E-08	2.45E-09	1.30E-08	2.28E-10	1.57E-08	2.23E-09	6.79E-09	6.89E-11	9.09E-09
1202	470581.52	3818502.4	9.92E-09	3.85E-08	5.10E-10	4.89E-08	8.27E-09	2.83E-08	3.66E-10	3.69E-08	9.37E-10	4.95E-09	8.70E-11	5.98E-09	8.52E-10	2.59E-09	2.63E-11	3.47E-09
1203	470590.26	3818506.15	9.79E-09	3.80E-08	5.03E-10	4.83E-08	8.16E-09	2.79E-08	3.61E-10	3.64E-08	9.25E-10	4.89E-09	8.58E-11	5.90E-09	8.41E-10	2.56E-09	2.60E-11	3.43E-09
1204	470598.99	3818509.9	9.66E-09	3.75E-08	4.97E-10	4.76E-08	8.05E-09	2.75E-08	3.56E-10	3.59E-08	9.13E-10	4.83E-09	8.47E-11	5.82E-09	8.30E-10	2.53E-09	2.56E-11	3.38E-09
1205	470607.73	3818513.65	9.53E-09	3.70E-08	4.90E-10	4.70E-08	7.94E-09	2.72E-08	3.52E-10	3.55E-08	9.00E-10	4.76E-09	8.35E-11	5.74E-09	8.18E-10	2.49E-09	2.53E-11	3.34E-09
1206	470616.47	3818517.4	9.41E-09	3.65E-08	4.83E-10	4.64E-08	7.84E-09	2.68E-08	3.47E-10	3.50E-08	8.88E-10	4.70E-09	8.24E-11	5.67E-09	8.08E-10	2.46E-09	2.49E-11	3.29E-09
1207	470625.2	3818521.15	9.28E-09	3.60E-08	4.77E-10	4.57E-08	7.73E-09	2.64E-08	3.42E-10	3.45E-08	8.76E-10	4.63E-09	8.13E-11	5.59E-09	7.97E-10	2.43E-09	2.46E-11	3.25E-09
1208	470633.94	3818524.9	9.15E-09	3.55E-08	4.70E-10	4.51E-08	7.62E-09	2.61E-08	3.37E-10	3.40E-08	8.64E-10	4.57E-09	8.02E-11	5.51E-09	7.85E-10	2.39E-09	2.43E-11	3.20E-09
1209	470642.68	3818528.65	9.02E-09	3.50E-08	4.64E-10	4.45E-08	7.51E-09	2.57E-08	3.33E-10	3.36E-08	8.52E-10	4.50E-09	7.91E-11	5.43E-09	7.74E-10	2.36E-09	2.39E-11	3.16E-09
1210	470651.41	3818532.4	8.89E-09	3.45E-08	4.57E-10	4.38E-08	7.41E-09	2.53E-08	3.28E-10	3.31E-08	8.40E-10	4.44E-09	7.79E-11	5.36E-09	7.64E-10	2.33E-09	2.36E-11	3.11E-09
1211	470660.15	3818536.15	8.77E-09	3.40E-08	4.51E-10	4.32E-08	7.31E-09	2.50E-08	3.23E-10	3.26E-08	8.28E-10	4.38E-09	7.69E-11	5.28E-09	7.53E-10	2.29E-09	2.32E-11	3.07E-09
1212	470668.89	3818539.9	8.65E-09	3.35E-08	4.44E-10	4.26E-08	7.20E-09	2.46E-08	3.19E-10	3.22E-08	8.17E-10	4.32E-09	7.58E-11	5.21E-09	7.42E-10	2.26E-09	2.29E-11	3.03E-09
1213	470677.62	3818543.65	8.52E-09	3.31E-08	4.38E-10	4.20E-08	7.10E-09	2.43E-08	3.14E-10	3.17E-08	8.05E-10	4.26E-09	7.47E-11	5.13E-09	7.32E-10	2.23E-09	2.26E-11	2.98E-09
1214	470686.36	3818547.4	8.40E-09	3.26E-08	4.32E-10	4.14E-08	7.00E-09	2.39E-08	3.10E-10	3.13E-08	7.93E-10	4.20E-09	7.36E-11	5.06E-09	7.21E-10	2.20E-09	2.23E-11	2.94E-09
1215	470695.1	3818551.15	8.28E-09	3.21E-08	4.25E-10	4.08E-08	6.90E-09	2.36E-08	3.05E-10	3.08E-08	7.82E-10	4.13E-09	7.26E-11	4.99E-09	7.11E-10	2.16E-09	2.19E-11	2.90E-09
1216	470703.83	3818554.9	8.16E-09	3.17E-08	4.19E-10	4.02E-08	6.80E-09	2.33E-08	3.01E-10	3.04E-08	7.71E-10	4.08E-09	7.15E-11	4.92E-09	7.01E-10	2.13E-09	2.16E-11	2.86E-09
1217	470756.25	3818577.4	7.50E-09	2.91E-08	3.85E-10	3.70E-08	6.25E-09	2.14E-08	2.77E-10	2.79E-08	7.08E-10	3.75E-09	6.57E-11	4.52E-09	6.44E-10	1.96E-09	1.99E-11	2.62E-09
1218	470764.99	3818581.15	7.40E-09	2.87E-08	3.80E-10	3.65E-08	6.17E-09	2.11E-08	2.73E-10	2.75E-08	6.99E-10	3.70E-09	6.49E-11	4.46E-09	6.36E-10	1.94E-09	1.96E-11	2.59E-09
1219	470773.73	3818584.9	7.31E-09	2.83E-08	3.76E-10	3.60E-08	6.09E-09	2.08E-08	2.70E-10	2.72E-08	6.90E-10	3.65E-09	6.40E-11	4.40E-09	6.27E-10	1.91E-09	1.94E-11	2.56E-09
1220	470782.46	3818588.65	7.22E-09	2.80E-08	3.71E-10	3.56E-08	6.01E-09	2.06E-08	2.66E-10	2.68E-08	6.82E-10	3.60E-09	6.32E-11	4.35E-09	6.20E-10	1.89E-09	1.91E-11	2.53E-09
1221	470791.2	3818592.4	7.13E-09	2.77E-08	3.66E-10	3.52E-08	5.94E-09	2.03E-08	2.63E-10	2.65E-08	6.73E-10	3.56E-09	6.25E-11	4.30E-09	6.12E-10	1.86E-09	1.89E-11	2.49E-09
1222	470799.94	3818596.15	7.04E-09	2.73E-08	3.62E-10	3.47E-08	5.87E-09	2.01E-08	2.60E-10	2.62E-08	6.65E-10	3.52E-09	6.17E-11	4.24E-09	6.05E-10	1.84E-09	1.87E-11	2.46E-09
1223	470808.68	3818599.9	6.96E-09	2.70E-08	3.58E-10	3.43E-08	5.80E-09	1.98E-08	2.57E-10	2.59E-08	6.58E-10	3.48E-09	6.10E-11	4.19E-09	5.98E-10	1.82E-09	1.85E-11	2.44E-09
1224	470817.41	3818603.65	6.89E-09	2.67E-08	3.54E-10	3.39E-08	5.74E-09	1.96E-08	2.54E-10	2.56E-08	6.50E-10	3.44E-09	6.03E-11	4.15E-09	5.91E-10	1.80E-09	1.83E-11	2.41E-09
1225	470826.15	3818607.4	6.82E-09	2.64E-08	3.50E-10	3.36E-08	5.68E-09	1.94E-08	2.51E-10	2.54E-08	6.44E-10	3.40E-09	5.97E-11	4.11E-09	5.85E-10	1.78E-09	1.81E-11	2.39E-09
1226	470834.89	3818611.15	6.75E-09	2.62E-08	3.47E-10	3.33E-08	5.62E-09	1.92E-08	2.49E-10	2.51E-08	6.37E-10	3.37E-09	5.91E-11	4.07E-09	5.79E-10	1.76E-09	1.79E-11	2.36E-09
1227	470843.62	3818614.9	6.69E-09	2.59E-08	3.44E-10	3.30E-08	5.57E-09	1.91E-08	2.47E-10	2.49E-08	6.31E-10	3.34E-09	5.86E-11	4.03E-09	5.74E-10	1.75E-09	1.77E-11	2.34E-09
1228	470852.36	3818618.65	6.62E-09	2.57E-08	3.40E-10	3.27E-08	5.52E-09	1.89E-08	2.44E-10	2.46E-08	6.26E-10	3.31E-09	5.81E-11	3.99E-09	5.69E-10	1.73E-09	1.76E-11	2.32E-09
1229	470861.1	3818622.4	6.57E-09	2.55E-08	3.38E-10	3.24E-08	5.47E-09	1.87E-08	2.42E-10	2.44E-08	6.20E-10	3.28E-09	5.76E-11	3.96E-09	5.64E-10	1.72E-09	1.74E-11	2.30E-09
1230	470869.83	3818626.15	6.52E-09	2.53E-08	3.35E-10	3.22E-08	5.43E-09	1.86E-08	2.41E-10	2.43E-08	6.16E-10	3.26E-09	5.72E-11	3.93E-09	5.60E-10	1.71E-09	1.73E-11	2.28E-09
1231	470878.57	3818629.9	6.48E-09	2.51E-08	3.33E-10	3.19E-08	5.39E-09	1.85E-08	2.39E-10	2.41E-08	6.12E-10	3.23E-09	5.67E-11	3.90E-09	5.56E-10	1.69E-09	1.72E-11	2.27E-09
1232	470887.31	3818633.65	6.44E-09	2.50E-08	3.31E-10	3.17E-08	5.36E-09	1.83E-08	2.37E-10	2.39E-08	6.08E-10	3.21E-09	5.64E-11	3.88E-09	5.52E-10	1.68E-09	1.71E-11	2.25E-09
1233	470899.59	3818646.22	6.48E-09	2.51E-08	3.33E-10	3.19E-08	5.39E-09	1.85E-08	2.39E-10	2.41E-08	6.12E-10	3.23E-09	5.67E-11	3.90E-09	5.56E-10	1.69E-09	1.72E-11	2.27E-09
1234	470903.14	3818655.04	6.56E-09	2.54E-08	3.37E-10	3.23E-08	5.46E-09	1.87E-08	2.42E-10	2.44E-08	6.19E-10	3.27E-09	5.75E-11	3.95E-09	5.63E-10	1.71E-09	1.74E-11	2.30E-09
1235	470906.69	3818663.86	6.65E-09	2.58E-08	3.42E-10	3.28E-08	5.54E-09	1.89E-08	2.45E-10	2.47E-08	6.28E-10	3.32E-09	5.82E-11	4.00E-09	5.71E-10	1.74E-09	1.76E-11	2.33E-09
1236	470910.24	3818672.67	6.74E-09	2.62E-08	3.47E-10	3.33E-08	5.62E-09	1.92E-08	2.49E-10	2.51E-08	6.37E-10	3.37E-09	5.91E-11	4.06E-09	5.79E-10	1.76E-09	1.79E-11	2.36E-09
1237	470913.8	3818681.49	6.84E-09	2.65E-08	3.52E-10	3.37E-08	5.70E-09	1.95E-08	2.52E-10	2.55E-08	6.46E-10	3.42E-09	6.00E-11	4.12E-09	5.87E-10	1.79E-09	1.81E-11	2.39E-09
1238	470917.35	3818690.31	6.95E-09	2.70E-08	3.57E-10	3.43E-08	5.79E-09	1.98E-08	2.56E-10	2.59E-08	6.56E-10	3.47E-09	6.09E-11	4.19E-09	5.97E-10	1.82E-09	1.84E-11	2.43E-09
1239	470920.9	3818699.13	7.06E-09	2.74E-08	3.63E-10	3.48E-08	5.88E-09	2.01E-08	2.61E-10	2.63E-08	6.67E-10	3.53E-09	6.19E-11	4.26E-09	6.06E-10	1.85E-09	1.87E-11	2.47E-09
1240	470924.45	3818707.95	7.18E-09	2.79E-08	3.69E-10	3.54E-08	5.98E-09	2.05E-08	2.65E-10	2.67E-08	6.78E-10	3.59E-09	6.30E-11	4.33E-09	6.17E-10	1.88E-09	1.90E-11	2.51E-09
1241	470928	3818716.77	7.31E-09	2.83E-08	3.76E-10	3.60E-08	6.09E-09	2.08E-08	2.70E-10	2.72E-08	6.90E-10	3.65E-09	6.40E-11	4.40E-09	6.27E-10	1.91E-09	1.94E-11	2.56E-09
1242	470931.55	3818725.59	7.44E-09	2.89E-08	3.82E-10	3.67E-08	6.20E-09	2.12E-08	2.74E-10	2.77E-08	7.03E-10	3.71E-09	6.52E-11	4.48E-09	6.39E-10	1.94E-09	1.97E-11	2.60E-09
1243	470935.1	3818734.41	7.58E-09	2.94E-08	3.89E-10	3.74E-08	6.31E-09	2.16E-08	2.79E-10	2.82E-08	7.16E-10	3.78E-09	6.64E-11	4.57E-09	6.51E-10	1.98E-09	2.01E-11	2.65E-09
1244	470938.65	3818743.23	7.73E-09	3.00E-08	3.97E-10	3.81E-08	6.44E-09	2.20E-08	2.85E-10	2.87E-08	7.30E-10	3.86E-09	6.77E-11	4.65E-09	6.63E-10	2.02E-09	2.05E-11	2.70E-09

1245	470942.2	3818752.05	7.88E-09	3.06E-08	4.05E-10	3.88E-08	6.56E-09	2.25E-08	2.91E-10	2.93E-08	7.44E-10	3.93E-09	6.90E-11	4.75E-09	6.76E-10	2.06E-09	2.09E-11	2.76E-09
1246	470945.75	3818760.87	8.04E-09	3.12E-08	4.13E-10	3.96E-08	6.69E-09	2.29E-08	2.96E-10	2.99E-08	7.59E-10	4.01E-09	7.04E-11	4.84E-09	6.90E-10	2.10E-09	2.13E-11	2.81E-09
1247	470949.3	3818769.69	8.20E-09	3.18E-08	4.21E-10	4.04E-08	6.83E-09	2.34E-08	3.03E-10	3.05E-08	7.75E-10	4.10E-09	7.19E-11	4.94E-09	7.04E-10	2.14E-09	2.17E-11	2.87E-09
1248	470952.85	3818778.51	8.37E-09	3.25E-08	4.30E-10	4.13E-08	6.97E-09	2.39E-08	3.09E-10	3.11E-08	7.91E-10	4.18E-09	7.34E-11	5.04E-09	7.19E-10	2.19E-09	2.22E-11	2.93E-09
1249	470956.4	3818787.33	8.56E-09	3.32E-08	4.40E-10	4.22E-08	7.13E-09	2.44E-08	3.16E-10	3.18E-08	8.08E-10	4.27E-09	7.50E-11	5.15E-09	7.34E-10	2.24E-09	2.27E-11	2.99E-09
1250	470959.95	3818796.15	8.74E-09	3.39E-08	4.49E-10	4.31E-08	7.28E-09	2.49E-08	3.22E-10	3.25E-08	8.25E-10	4.36E-09	7.66E-11	5.27E-09	7.50E-10	2.29E-09	2.32E-11	3.06E-09
1251	470963.5	3818804.97	8.94E-09	3.47E-08	4.59E-10	4.41E-08	7.44E-09	2.55E-08	3.30E-10	3.32E-08	8.44E-10	4.46E-09	7.83E-11	5.38E-09	7.67E-10	2.34E-09	2.37E-11	3.13E-09
1252	470967.06	3818813.79	9.14E-09	3.54E-08	4.69E-10	4.50E-08	7.61E-09	2.60E-08	3.37E-10	3.40E-08	8.63E-10	4.56E-09	8.01E-11	5.50E-09	7.84E-10	2.39E-09	2.42E-11	3.20E-09
1253	470970.61	3818822.61	9.34E-09	3.62E-08	4.80E-10	4.60E-08	7.78E-09	2.66E-08	3.45E-10	3.47E-08	8.82E-10	4.66E-09	8.19E-11	5.63E-09	8.02E-10	2.44E-09	2.48E-11	3.27E-09
1254	470974.16	3818831.43	9.56E-09	3.71E-08	4.91E-10	4.71E-08	7.96E-09	2.72E-08	3.52E-10	3.55E-08	9.02E-10	4.77E-09	8.37E-11	5.76E-09	8.20E-10	2.50E-09	2.53E-11	3.34E-09
1255	470977.71	3818840.25	9.78E-09	3.79E-08	5.02E-10	4.82E-08	8.14E-09	2.79E-08	3.61E-10	3.64E-08	9.23E-10	4.88E-09	8.57E-11	5.89E-09	8.39E-10	2.56E-09	2.59E-11	3.42E-09
1256	470981.26	3818849.07	1.00E-08	3.88E-08	5.14E-10	4.93E-08	8.34E-09	2.85E-08	3.69E-10	3.72E-08	9.45E-10	5.00E-09	8.77E-11	6.03E-09	8.59E-10	2.62E-09	2.65E-11	3.50E-09
1257	470984.81	3818857.88	1.03E-08	3.98E-08	5.27E-10	5.05E-08	8.54E-09	2.92E-08	3.78E-10	3.81E-08	9.68E-10	5.12E-09	8.98E-11	6.18E-09	8.80E-10	2.68E-09	2.72E-11	3.59E-09
1258	470988.36	3818866.7	1.05E-08	4.07E-08	5.40E-10	5.18E-08	8.75E-09	2.99E-08	3.87E-10	3.91E-08	9.92E-10	5.24E-09	9.20E-11	6.33E-09	9.01E-10	2.75E-09	2.78E-11	3.67E-09
1259	470991.91	3818875.52	1.08E-08	4.17E-08	5.53E-10	5.30E-08	8.96E-09	3.07E-08	3.97E-10	4.00E-08	1.02E-09	5.37E-09	9.43E-11	6.48E-09	9.24E-10	2.81E-09	2.85E-11	3.76E-09
1260	470995.46	3818884.34	1.10E-08	4.27E-08	5.66E-10	5.43E-08	9.18E-09	3.14E-08	4.06E-10	4.10E-08	1.04E-09	5.50E-09	9.66E-11	6.64E-09	9.46E-10	2.88E-09	2.92E-11	3.86E-09
1261	470999.01	3818893.16	1.13E-08	4.38E-08	5.80E-10	5.57E-08	9.41E-09	3.22E-08	4.17E-10	4.20E-08	1.07E-09	5.64E-09	9.90E-11	6.81E-09	9.70E-10	2.95E-09	2.99E-11	3.95E-09
1262	471002.56	3818901.98	1.16E-08	4.49E-08	5.95E-10	5.71E-08	9.64E-09	3.30E-08	4.27E-10	4.31E-08	1.09E-09	5.78E-09	1.01E-10	6.97E-09	9.94E-10	3.03E-09	3.07E-11	4.05E-09
1263	471006.11	3818910.8	1.19E-08	4.60E-08	6.10E-10	5.85E-08	9.89E-09	3.38E-08	4.38E-10	4.41E-08	1.12E-09	5.93E-09	1.04E-10	7.15E-09	1.02E-09	3.10E-09	3.15E-11	4.15E-09
1264	471009.66	3818919.62	1.22E-08	4.72E-08	6.25E-10	6.00E-08	1.01E-08	3.47E-08	4.49E-10	4.53E-08	1.15E-09	6.07E-09	1.07E-10	7.33E-09	1.04E-09	3.18E-09	3.23E-11	4.26E-09
1265	471013.21	3818928.44	1.25E-08	4.84E-08	6.41E-10	6.15E-08	1.04E-08	3.55E-08	4.60E-10	4.64E-08	1.18E-09	6.23E-09	1.09E-10	7.51E-09	1.07E-09	3.26E-09	3.31E-11	4.36E-09
1266	471016.76	3818937.26	1.28E-08	4.96E-08	6.57E-10	6.30E-08	1.07E-08	3.64E-08	4.72E-10	4.76E-08	1.21E-09	6.38E-09	1.12E-10	7.70E-09	1.10E-09	3.34E-09	3.39E-11	4.47E-09
1267	471020.32	3818946.08	1.31E-08	5.09E-08	6.74E-10	6.47E-08	1.09E-08	3.74E-08	4.84E-10	4.88E-08	1.24E-09	6.55E-09	1.15E-10	7.90E-09	1.13E-09	3.43E-09	3.48E-11	4.59E-09
1268	471023.87	3818954.9	1.34E-08	5.21E-08	6.91E-10	6.63E-08	1.12E-08	3.83E-08	4.96E-10	5.00E-08	1.27E-09	6.71E-09	1.18E-10	8.10E-09	1.15E-09	3.52E-09	3.56E-11	4.70E-09
1269	471027.42	3818963.72	1.38E-08	5.35E-08	7.08E-10	6.80E-08	1.15E-08	3.93E-08	5.08E-10	5.13E-08	1.30E-09	6.88E-09	1.21E-10	8.30E-09	1.18E-09	3.60E-09	3.65E-11	4.82E-09
1270	471030.97	3818972.54	1.41E-08	5.48E-08	7.26E-10	6.96E-08	1.18E-08	4.03E-08	5.21E-10	5.25E-08	1.33E-09	7.05E-09	1.24E-10	8.51E-09	1.21E-09	3.69E-09	3.74E-11	4.94E-09
1271	471034.52	3818981.36	1.45E-08	5.61E-08	7.44E-10	7.14E-08	1.21E-08	4.13E-08	5.34E-10	5.38E-08	1.37E-09	7.23E-09	1.27E-10	8.72E-09	1.24E-09	3.78E-09	3.84E-11	5.07E-09
1272	471038.07	3818990.18	1.48E-08	5.75E-08	7.62E-10	7.31E-08	1.24E-08	4.23E-08	5.47E-10	5.52E-08	1.40E-09	7.40E-09	1.30E-10	8.94E-09	1.27E-09	3.88E-09	3.93E-11	5.19E-09
1273	471048.72	3819016.64	1.59E-08	6.18E-08	8.19E-10	7.85E-08	1.33E-08	4.54E-08	5.88E-10	5.93E-08	1.50E-09	7.95E-09	1.40E-10	9.60E-09	1.37E-09	4.17E-09	4.22E-11	5.58E-09
1274	471052.27	3819025.46	1.63E-08	6.33E-08	8.38E-10	8.04E-08	1.36E-08	4.65E-08	6.02E-10	6.07E-08	1.54E-09	8.14E-09	1.43E-10	9.83E-09	1.40E-09	4.26E-09	4.32E-11	5.71E-09
1275	471055.82	3819034.28	1.67E-08	6.47E-08	8.58E-10	8.23E-08	1.39E-08	4.76E-08	6.16E-10	6.21E-08	1.58E-09	8.33E-09	1.46E-10	1.01E-08	1.43E-09	4.36E-09	4.43E-11	5.84E-09
1276	471059.37	3819043.09	1.71E-08	6.62E-08	8.78E-10	8.42E-08	1.42E-08	4.87E-08	6.30E-10	6.35E-08	1.61E-09	8.53E-09	1.50E-10	1.03E-08	1.47E-09	4.46E-09	4.53E-11	5.98E-09
1277	471062.92	3819051.91	1.75E-08	6.77E-08	8.97E-10	8.61E-08	1.45E-08	4.98E-08	6.44E-10	6.50E-08	1.65E-09	8.72E-09	1.53E-10	1.05E-08	1.50E-09	4.57E-09	4.63E-11	6.11E-09
1278	471066.47	3819060.73	1.79E-08	6.92E-08	9.17E-10	8.80E-08	1.49E-08	5.09E-08	6.58E-10	6.64E-08	1.69E-09	8.91E-09	1.56E-10	1.08E-08	1.53E-09	4.67E-09	4.73E-11	6.25E-09
1279	471070.02	3819069.55	1.82E-08	7.08E-08	9.37E-10	8.99E-08	1.52E-08	5.20E-08	6.73E-10	6.79E-08	1.72E-09	9.11E-09	1.60E-10	1.10E-08	1.57E-09	4.77E-09	4.84E-11	6.38E-09
1280	471073.58	3819078.37	1.86E-08	7.22E-08	9.57E-10	9.18E-08	1.55E-08	5.31E-08	6.87E-10	6.93E-08	1.76E-09	9.30E-09	1.63E-10	1.12E-08	1.60E-09	4.87E-09	4.94E-11	6.52E-09
1281	471077.13	3819087.19	1.90E-08	7.37E-08	9.77E-10	9.37E-08	1.58E-08	5.42E-08	7.01E-10	7.07E-08	1.80E-09	9.49E-09	1.67E-10	1.15E-08	1.63E-09	4.97E-09	5.04E-11	6.65E-09
1282	471080.68	3819096.01	1.94E-08	7.52E-08	9.97E-10	9.56E-08	1.62E-08	5.53E-08	7.15E-10	7.21E-08	1.83E-09	9.68E-09	1.70E-10	1.17E-08	1.67E-09	5.07E-09	5.14E-11	6.79E-09
1283	471084.23	3819104.83	1.98E-08	7.67E-08	1.02E-09	9.75E-08	1.65E-08	5.63E-08	7.29E-10	7.35E-08	1.87E-09	9.87E-09	1.73E-10	1.19E-08	1.70E-09	5.17E-09	5.24E-11	6.92E-09
1284	471087.78	3819113.65	2.01E-08	7.81E-08	1.04E-09	9.93E-08	1.68E-08	5.74E-08	7.43E-10	7.49E-08	1.90E-09	1.01E-08	1.77E-10	1.21E-08	1.73E-09	5.27E-09	5.34E-11	7.05E-09
1285	471091.33	3819122.47	2.05E-08	7.96E-08	1.05E-09	1.01E-07	1.71E-08	5.85E-08	7.57E-10	7.63E-08	1.94E-09	1.02E-08	1.80E-10	1.24E-08	1.76E-09	5.36E-09	5.44E-11	7.18E-09
1286	471094.88	3819131.29	2.09E-08	8.10E-08	1.07E-09	1.03E-07	1.74E-08	5.95E-08	7.70E-10	7.77E-08	1.97E-09	1.04E-08	1.83E-10	1.26E-08	1.79E-09	5.46E-09	5.53E-11	7.31E-09
1287	471105.53	3819157.75	2.19E-08	8.50E-08	1.13E-09	1.08E-07	1.82E-08	6.24E-08	8.08E-10	8.15E-08	2.07E-09	1.09E-08	1.92E-10	1.32E-08	1.88E-09	5.73E-09	5.81E-11	7.67E-09
1288	471109.08	3819166.57	2.22E-08	8.62E-08	1.14E-09	1.10E-07	1.85E-08	6.34E-08	8.20E-10	8.27E-08	2.10E-09	1.11E-08	1.95E-10	1.34E-08	1.91E-09	5.81E-09	5.89E-11	7.78E-09
1289	471112.63	3819175.39	2.25E-08	8.74E-08	1.16E-09	1.11E-07	1.88E-08	6.43E-08	8.32E-10	8.39E-08	2.13E-09	1.13E-08	1.98E-10	1.36E-08	1.94E-09	5.89E-09	5.98E-11	7.89E-09
1290	471116.18	3819184.21	2.28E-08	8.86E-08	1.17E-09	1.13E-07	1.90E-08	6.51E-08	8.43E-10	8.50E-08	2.16E-09	1.14E-08	2.00E-10	1.38E-08	1.96E-09	5.97E-09	6.06E-11	8.00E-09
1291	471119.73	3819193.03	2.31E-08	8.97E-08	1.19E-09	1.14E-07	1.93E-08	6.59E-08	8.53E-10	8.61E-08	2.18E-09	1.16E-08	2.03E-10	1.39E-08	1.99E-09	6.05E-09	6.13E-11	8.10E-09
1292	471123.29	3819201.85	2.34E-08	9.08E-08	1.20E-09	1.15E-07	1.95E-08	6.67E-08	8.64E-10	8.71E-08	2.21E-09	1.17E-08	2.05E-10	1.41E-08	2.01E-09	6.12E-09	6.21E-11	8.19E-09
1293	471126.84	3819210.67	2.37E-08	9.18E-08	1.22E-09	1.17E-07	1.97E-08	6.75E-08	8.73E-10	8.81E-08	2.24E-09	1.18E-08	2.07E-10	1.43E-08	2.03E-09	6.19E-09	6.28E-11	8.28E-09
1294	471130.39	3819219.49	2.39E-08	9.28E-08	1.23E-09	1.18E-07	1.99E-08	6.82E-08	8.82E-10	8.90E-08	2.26E-09	1.19E-08	2.10E-10	1.44E-08	2.05E-09	6.25E-09	6.34E-11	8.37E-09
1295	471133.94	3819228.3	2.42E-08	9.37E-08	1.24E-09	1.19E-07	2.01E-08	6.88E-08	8.91E-10	8.98E-08	2.28E-09	1.21E-08	2.12E-10	1.45E-08	2.07E-09	6.31E-09	6.40E-11	8.45E-09
1296	471137.49	3819237.12	2.44E-08	9.45E-08	1.25E-09	1.20E-07	2.03E-08	6.94E-08	8.99E-10	9.06E-08	2.30E-09	1.22E-08	2.14E-10	1.47E-08	2.09E-09	6.37E-09	6.46E-11	8.53E-09
1297	470293.21	3818378.66	1.41E-08	5.45E-08	7.22E-10	6.93E-08	1.17E-08	4.00E-08	5.18E-10	5.23E-08	1.33E-09	7.02E-09	1.23E-10	8.47E-09	1.21E-09	3.67E-09	3.73E-11	4.92E-09
1298	470283.65	3818378.52	1.43E-08	5.53E-08	7.33E-10	7.03E-08	1.19E-08	4.06E-08	5.26E-10	5.30E-08	1.35E-09	7.12E-09	1.25E-10	8.59E-09	1.22E-09	3.73E-09	3.78E-11	4.99E-09
1299	470274.09	3818378.39	1.45E-08	5.61E-08	7.43E-10	7.13E-08	1.21E-08	4.12E-08	5.34E-10	5.38E-08	1.37E-09	7.22E-09	1.27E-10	8.72E-09	1.24E-09	3.78E-09	3.84E-11	5.06E-09
1300	470264.52	3818378.25	1.47E-08	5.69E-08	7.54E-10	7.23E-08	1.22E-08	4.18E-08	5.41E-10	5.46E-08	1.39E-09	7.32E-09	1.29E-10	8.84E-09	1.26E-09	3.83E-09	3.89E-11	5.13E-09
1301	470254.96	3818378.12	1.49E-08	5.76E-08	7.63E-10	7.32E-08	1.24E-08	4.23E-08	5.48E-10	5.53E-08	1.40E-09	7.42E-09	1.30E-10	8.95E-09	1.28E-09	3.88E-09	3.94E-11	5.20E-09
1302	470245.4	3818377.98	1.50E-08	5.83E-08	7.72E-10	7.41E-08	1.25E-08	4.28E-08	5.54E-10	5.59E-08	1.42E-09	7.50E-09	1.32E-10	9.06E-09	1.29E-09	3.93E-09	3.98E-11	5.26E-09
1303	470235.84	3818377.85	1.52E-08	5.89E-08	7.81E-10	7.49E-08	1.27E-08	4.33E-08	5.60E-10	5.65E-08	1.43E-09	7.59E-09	1.33E-10	9.15E-09	1.30E-09	3.97E-09	4.03E-11	5.32E-09
1304	470226.27	3818377.71	1.53E-08	5.95E-08	7.88E-10	7.56E-08	1.28E-08	4.37E-08	5.66E-10	5.71E-08	1.45E-09	7.66E-09	1.34E-10	9.24E-09	1.32E-09	4.01E-09	4.07E-11	5.37E-09
1305	470216.71	3818377.58	1.55E-08	6.00E-08	7.95E-10	7.63E-08	1.29E-08	4.41E-08	5.71E-10	5.75E-08	1.46E-09	7.72E-09	1.36E-10	9.32E-09	1.33E-09	4.04E-09	4.10E-11	5.41E-09
1306	470207.15	3818377.44	1.56E-08	6.05E-08	8.01E-10	7.68E-08	1.30E-08	4.44E-08	5.75E-10	5.80E-08	1.47E-09	7.78E-09	1.37E-10	9.39E-09	1.34E-09	4.07E-09	4.13E-11	5.45E-09
1307	470197.59	3818377.31	1.57E-08	6.09E-08	8.06E-10	7.73E-08	1.31E-08	4.47E-08	5.79E-10	5.84E-08	1.48E-09	7.83E-09	1.37E-10	9.45E-09	1.35E-09	4.10E-09	4.16E-11	5.49E-09
1308	470188.03	3818377.17	1.58E-08	6.12E-08	8.10E-10	7.78E-08	1.31E-08	4.50E-08	5.82E-10	5.87E-08	1.49E-09	7.88E-09	1.38E-10	9.50E-09	1.35E-09	4.12E-09	4.18E-11	5.52E-09
1309	470178.46	3818377.04	1.58E-08	6.14E-08	8.14E-10	7.81E-08	1.32E-08	4.51E-08	5.84E-10	5.89E-08	1.50E-09	7.91E-09	1.39E-10	9.54E-09	1.36E-09	4.14E-09	4.20E-11	5.54E-09
1310	470168.9	3818376.9	1.63E-08	6.31E-08	8.36E-10	8.02E-08	1.36E-08	4.64E-08	6.00E-10	6.05E-08	1.54E-09	8.13E-09	1.43E-10	9.81E-09	1.40E-09	4.25E-09	4.31E-11	5.69E-09
1311	470159.34	3818376.77	1.63E-08	6.34E-08	8.40E-10	8.06E-08	1.36E-08	4.66E-08	6.03E-10	6.08E-08	1.54E-09	8.16E-09	1.43E-10	9.84E-09	1.40E-09	4.27E-09	4.33E-11	5.72E-09
1312	470149.78	3818376.63	1.64E-08	6.35E-08	8.42E-10	8.08E-08	1.36E-08	4.67E-08	6.04E-10	6.09E-08	1.55E-09	8.18E-09	1.44E-10	9.87E-09	1.41E-09	4.28E-09	4.34E-11	5.73E-09
1313	470140.21	3818376.5	1.64E-08	6.36E-08	8.43E-10	8.09E-08	1.37E-08	4.67E-08	6.05E-10	6.10E-08	1.55E-09	8.19E-09	1.44E-10	9.88E-09	1.41E-09	4.29E-09	4.35E-11	5.74E-09
1314	470130.65	3818376.36	1.64E-08	6.36E-08	8.42E-10	8.08E-08	1.37E-08	4.67E-08	6.05E-10	6.10E-08	1.55E-09	8.19E-09	1.44E-10	9.88E-09	1.41E-09	4.29E-09	4.35E-11	5.74E-09
1315	470121.09	3818376.23	1.64E-08	6.35E-08	8.41E-10	8.07E-08	1.36E-08	4.66E-08	6.03E-10	6.09E-08	1.55E-09	8.17E-09	1.43E-10	9.86E-09	1.40E-09	4.28E-09	4.34E-11	5.73E-09
1316	470680.9	3818464.58	7.55E-09	2.93E-08	3.88E-10	3.72E-08	6.29E-09	2.15E-08	2.78E-10	2.81E-08	7.13E-10	3.77E-09	6.61E-11	4.55E-09	6.48E-10	1.97E-09	2.00E-11	2.64E-09
1317	470689.69	3818468.35	7.45E-09	2.89E-08	3.83E-10	3.67E-08	6.21E-09	2.12E-08	2.75E-10	2.77E-08	7.04E-10	3.72E-09	6.53E-11	4.49E-09	6.40E-10	1.95E-09	1.98E-11	2.61E-09
1318	470698.47	3818472.12	7.35E-09	2.85E-08	3.78E-10	3.62E-08	6.12E-09	2.10E-08	2.71E-10	2.73E-08	6.94E-10	3.67E-09	6.44E-11	4.43E-09	6.31E-10	1.92E-09	1.95E-11	2.57E-09
1319	470707.26	3818475.89	7.25E-09	2.81E-08	3.73E-10	3.57E-08	6.04E-09	2.07E-08	2.67E-10	2.70E-08	6.85E-10	3.62E-09	6.35E-11	4.37E-09	6.22E-10	1.90E-09	1.92E-11	2.54E-09
1320	470716.04	3818479.66	7.16E-09	2.78E-08	3.68E-10	3.53E-08	5.96E-09	2.04E-08	2.64E-10	2.66E-08	6.76E-10	3.57E-09	6.27E-11	4.31E-09	6.14E-10	1.87E-09	1.90E-11	2.50E-09
1321	470724.83	3818483.43	7.06E-09	2.74E-08	3.63E-10	3.48E-08	5.88E-09	2.01E-08	2.60E-10	2.63E-08	6.66E-10	3.52E-09	6.18E-11	4.25E-09	6.06E-10	1.84E-09	1.87E-11	2.47E-09
1322	470733.61	3818487.2	6.96E-09	2.70E-08	3.58E-10	3.43E-08	5.80E-09	1.98E-08	2.57E-10	2.59E-08	6.57E-10	3.47E-09	6.10E-11	4.19E-09	5.97E-10	1.82E-09	1.84E-11	2.44E-09
1323	470742.4	3818490.97	6.86E-09	2.66E-08	3.53E-10	3.38E-08	5.72E-09	1.96E-08	2.53E-10	2.55E-08	6.48E-10	3.43E-09	6.02E-11	4.14E-09	5.89E-10	1.79E-09	1.82E-11	2.40E-09
1324	470751.18	3818494.75	6.77E-09	2.63E-08	3.48E-10	3.34E-08	5.64E-09	1.93E-08	2.50E-10	2.52E-08	6.40E-10	3.38E-09	5.94E-11	4.08E-09	5.82E-10	1.77E-09	1.80E-11	2.37E-09
1325	470759.97	3818498.52	6.68E-09	2.59E-08	3.43E-10	3.29E-08	5.57E-09	1.90E-08	2.46E-10	2.49E-08	6.31E-10	3.34E-09	5.86E-11	4.03E-09	5.74E-10	1.75E-09	1.77E-11	2.34E-09
1326	470768.75	3818502.29	6.59E-09	2.56E-08	3.39E-10	3.25E-08	5.49E-09	1.88E-08	2.43E-10	2.45E-08	6.23E-10	3.29E-09	5.78E-11	3.97E-09	5.66E-10	1.72E-09	1.75E-11	2.31E-09
1327	470777.54	3818506.06	6.50E-09	2.52E-08	3.34E-10	3.20E-08	5.42E-09	1.85E-08	2.40E-10	2.42E-08	6.14E-10	3.25E-09	5.70E-11	3.92E-09	5.58E-10	1.70E-09	1.72E-11	2.27E-09
1328	470786.33	3818509.83	6.42E-09	2.49E-08	3.30E-10	3.16E-08	5.35E-09	1.83E-08	2.37E-10	2.39E-08	6.06E-10	3.20E-09	5.62E-11	3.87E-09	5.51E-10	1.68E-09	1.70E-11	2.25E-09
1329	470839.04	3818532.45	5.96E-09	2.31E-08	3.06E-10	2.94E-08	4.96E-09	1.70E-08	2.20E-10	2.22E-08	5.62E-10	2.97E-09	5.22E-11	3.59E-09	5.11E-10	1.56E-09	1.58E-11	2.08E-09
1330	470847.82	3818536.22	5.89E-09	2.28E-08	3.02E-10	2.90E-08	4.90E-09	1.68E-08	2.17E-10	2.19E-08	5.56E-10	2.94E-09	5.16E-11	3.55E-09	5.05E-10	1.54E-09	1.56E-11	2.06E-09
1331	470856.61	3818539.99	5.82E-09	2.26E-08	2.99E-10	2.87E-08	4.85E-09	1.66E-08	2.15E-10	2.17E-08	5.50E-10	2.91E-09	5.10E-11	3.51E-09	5.00E-10	1.52E-09	1.54E-11	2.04E-09
1332	470865.39	3818543.77	5.76E-09	2.23E-08	2.96E-10	2.84E-08	4.80E-09	1.64E-08	2.12E-10	2.14E-08	5.44E-10	2.88E-09	5.05E-11	3.47E-09	4.94E-10	1.51E-09	1.53E-11	2.02E-09
1333	470874.18	3818547.54	5.70E-09	2.21E-08	2.93E-10	2.81E-08	4.75E-09	1.62E-08	2.10E-10	2.12E-08	5.38E-10	2.85E-09	5.00E-11	3.43E-09	4.89E-10	1.49E-09	1.51E-11	1.99E-09
1334	470882.97	3818551.31	5.65E-09	2.19E-08	2.90E-10	2.78E-08	4.70E-09	1.61E-08	2.08E-10	2.10E-08	5.33E-10	2.82E-09	4.95E-11	3.40E-09	4.85E-10	1.48E-09	1.50E-11	1.98E-09
1335	470891.75	3818555.08	5.60E-09	2.17E-08	2.88E-10	2.76E-08	4.66E-09	1.59E-08	2.06E-10	2.08E-08	5.28E-10	2.79E-09	4.90E-11	3.37E-09	4.80E-10	1.46E-09	1.48E-11	1.96E-09
1336	470900.54	3818558.85	5.55E-09	2.15E-08	2.85E-10	2.74E-08	4.62E-09	1.58E-08	2.05E-10	2.06E-08	5.24E-10	2.77E-09	4.86E-11	3.34E-09	4.76E-10	1.45E-09	1.47E-11	1.94E-09
1337	470909.32	3818562.62	5.50E-09	2.13E-08	2.83E-10	2.71E-08	4.58E-09	1.57E-08	2.03E-10	2.05E-08	5.19E-10	2.75E-09	4.82E-11	3.31E-09	4.72E-10	1.44E-09	1.46E-11	1.92E-09
1338	470918.11	3818566.39	5.46E-09	2.12E-08	2.81E-10	2.69E-08	4.55E-09	1.56E-08	2.01E-10	2.03E-08	5.16E-10	2.73E-09	4.79E-11	3.29E-09	4.69E-10	1.43E-09	1.45E-11	1.91E-09
1339	470926.89	3818570.16	5.42E-09	2.10E-08	2.79E-10	2.67E-08	4.52E-09	1.55E-08	2.00E-10	2.02E-08	5.12E-10	2.71E-09	4.75E-11	3.27E-09	4.65E-10	1.42E-09	1.44E-11	1.90E-09
1340	470935.68	3818573.93	5.39E-09	2.09E-08	2.77E-10	2.66E-08	4.49E-09	1.54E-08	1.99E-10	2.00E-08	5.09E-10	2.69E-09	4.72E-11	3.25E-09	4.63E-10	1.41E-09	1.43E-11

1341	470944.46	3818577.7	5.36E-09	2.08E-08	2.75E-10	2.64E-08	4.46E-09	1.53E-08	1.98E-10	1.99E-08	5.06E-10	2.67E-09	4.69E-11	3.23E-09	4.60E-10	1.40E-09	1.42E-11	1.87E-09
1342	470956.82	3818590.34	5.39E-09	2.09E-08	2.77E-10	2.66E-08	4.49E-09	1.54E-08	1.99E-10	2.00E-08	5.09E-10	2.69E-09	4.72E-11	3.25E-09	4.63E-10	1.41E-09	1.43E-11	1.89E-09
1343	470960.39	3818599.21	5.45E-09	2.11E-08	2.80E-10	2.69E-08	4.54E-09	1.55E-08	2.01E-10	2.03E-08	5.15E-10	2.72E-09	4.78E-11	3.28E-09	4.68E-10	1.42E-09	1.44E-11	1.91E-09
1344	470963.96	3818608.08	5.52E-09	2.14E-08	2.84E-10	2.72E-08	4.60E-09	1.57E-08	2.04E-10	2.05E-08	5.21E-10	2.76E-09	4.84E-11	3.33E-09	4.74E-10	1.44E-09	1.46E-11	1.93E-09
1345	470967.53	3818616.95	5.59E-09	2.17E-08	2.87E-10	2.76E-08	4.66E-09	1.59E-08	2.06E-10	2.08E-08	5.28E-10	2.79E-09	4.90E-11	3.37E-09	4.80E-10	1.46E-09	1.48E-11	1.96E-09
1346	470971.1	3818625.82	5.66E-09	2.20E-08	2.91E-10	2.79E-08	4.72E-09	1.61E-08	2.09E-10	2.11E-08	5.35E-10	2.83E-09	4.96E-11	3.41E-09	4.86E-10	1.48E-09	1.50E-11	1.98E-09
1347	470974.67	3818634.69	5.75E-09	2.23E-08	2.95E-10	2.83E-08	4.79E-09	1.64E-08	2.12E-10	2.14E-08	5.43E-10	2.87E-09	5.04E-11	3.46E-09	4.93E-10	1.50E-09	1.52E-11	2.01E-09
1348	470978.24	3818643.55	5.83E-09	2.26E-08	3.00E-10	2.88E-08	4.86E-09	1.66E-08	2.15E-10	2.17E-08	5.51E-10	2.91E-09	5.11E-11	3.51E-09	5.01E-10	1.52E-09	1.55E-11	2.04E-09
1349	470981.81	3818652.42	5.92E-09	2.30E-08	3.04E-10	2.92E-08	4.93E-09	1.69E-08	2.18E-10	2.20E-08	5.59E-10	2.96E-09	5.19E-11	3.57E-09	5.08E-10	1.55E-09	1.57E-11	2.07E-09
1350	470985.38	3818661.29	6.02E-09	2.33E-08	3.09E-10	2.97E-08	5.01E-09	1.71E-08	2.22E-10	2.24E-08	5.68E-10	3.00E-09	5.27E-11	3.63E-09	5.17E-10	1.57E-09	1.60E-11	2.11E-09
1351	470988.95	3818670.16	6.12E-09	2.37E-08	3.14E-10	3.02E-08	5.09E-09	1.74E-08	2.26E-10	2.27E-08	5.78E-10	3.05E-09	5.36E-11	3.68E-09	5.25E-10	1.60E-09	1.62E-11	2.14E-09
1352	470992.52	3818679.03	6.22E-09	2.41E-08	3.20E-10	3.07E-08	5.18E-09	1.77E-08	2.29E-10	2.31E-08	5.87E-10	3.11E-09	5.45E-11	3.75E-09	5.34E-10	1.63E-09	1.65E-11	2.18E-09
1353	470996.09	3818687.9	6.33E-09	2.46E-08	3.25E-10	3.12E-08	5.27E-09	1.80E-08	2.33E-10	2.35E-08	5.98E-10	3.16E-09	5.55E-11	3.81E-09	5.43E-10	1.65E-09	1.68E-11	2.22E-09
1354	470999.67	3818696.77	6.45E-09	2.50E-08	3.31E-10	3.18E-08	5.37E-09	1.84E-08	2.38E-10	2.40E-08	6.09E-10	3.22E-09	5.65E-11	3.88E-09	5.53E-10	1.69E-09	1.71E-11	2.26E-09
1355	471003.24	3818705.64	6.57E-09	2.55E-08	3.37E-10	3.24E-08	5.47E-09	1.87E-08	2.42E-10	2.44E-08	6.20E-10	3.28E-09	5.75E-11	3.96E-09	5.64E-10	1.72E-09	1.74E-11	2.30E-09
1356	471006.81	3818714.5	6.69E-09	2.59E-08	3.44E-10	3.30E-08	5.57E-09	1.91E-08	2.47E-10	2.49E-08	6.32E-10	3.34E-09	5.86E-11	4.03E-09	5.74E-10	1.75E-09	1.77E-11	2.34E-09
1357	471010.38	3818723.37	6.82E-09	2.65E-08	3.50E-10	3.36E-08	5.68E-09	1.94E-08	2.52E-10	2.54E-08	6.44E-10	3.41E-09	5.98E-11	4.11E-09	5.86E-10	1.78E-09	1.81E-11	2.39E-09
1358	471013.95	3818732.24	6.96E-09	2.70E-08	3.58E-10	3.43E-08	5.80E-09	1.98E-08	2.57E-10	2.59E-08	6.57E-10	3.47E-09	6.10E-11	4.19E-09	5.97E-10	1.82E-09	1.84E-11	2.44E-09
1359	471017.52	3818741.11	7.10E-09	2.75E-08	3.65E-10	3.50E-08	5.91E-09	2.02E-08	2.62E-10	2.64E-08	6.71E-10	3.55E-09	6.22E-11	4.28E-09	6.10E-10	1.86E-09	1.88E-11	2.48E-09
1360	471021.09	3818749.98	7.25E-09	2.81E-08	3.73E-10	3.57E-08	6.04E-09	2.07E-08	2.67E-10	2.70E-08	6.85E-10	3.62E-09	6.35E-11	4.37E-09	6.22E-10	1.90E-09	1.92E-11	2.54E-09
1361	471024.66	3818758.85	7.40E-09	2.87E-08	3.80E-10	3.65E-08	6.16E-09	2.11E-08	2.73E-10	2.75E-08	6.99E-10	3.69E-09	6.48E-11	4.46E-09	6.35E-10	1.93E-09	1.96E-11	2.59E-09
1362	471028.23	3818767.72	7.56E-09	2.93E-08	3.88E-10	3.72E-08	6.29E-09	2.15E-08	2.79E-10	2.81E-08	7.13E-10	3.77E-09	6.62E-11	4.55E-09	6.49E-10	1.98E-09	2.00E-11	2.64E-09
1363	471031.8	3818776.59	7.72E-09	2.99E-08	3.97E-10	3.81E-08	6.43E-09	2.20E-08	2.85E-10	2.87E-08	7.29E-10	3.85E-09	6.76E-11	4.65E-09	6.63E-10	2.02E-09	2.05E-11	2.70E-09
1364	471035.37	3818785.45	7.88E-09	3.06E-08	4.05E-10	3.89E-08	6.57E-09	2.25E-08	2.91E-10	2.93E-08	7.44E-10	3.94E-09	6.91E-11	4.75E-09	6.77E-10	2.06E-09	2.09E-11	2.76E-09
1365	471038.94	3818794.32	8.06E-09	3.13E-08	4.14E-10	3.97E-08	6.71E-09	2.30E-08	2.97E-10	3.00E-08	7.61E-10	4.02E-09	7.06E-11	4.85E-09	6.92E-10	2.11E-09	2.14E-11	2.82E-09
1366	471042.51	3818803.19	8.23E-09	3.19E-08	4.23E-10	4.06E-08	6.86E-09	2.35E-08	3.04E-10	3.06E-08	7.77E-10	4.11E-09	7.21E-11	4.96E-09	7.07E-10	2.15E-09	2.18E-11	2.88E-09
1367	471046.08	3818812.06	8.41E-09	3.26E-08	4.32E-10	4.15E-08	7.01E-09	2.40E-08	3.10E-10	3.13E-08	7.95E-10	4.20E-09	7.37E-11	5.07E-09	7.22E-10	2.20E-09	2.23E-11	2.94E-09
1368	471049.65	3818820.93	8.60E-09	3.34E-08	4.42E-10	4.24E-08	7.16E-09	2.45E-08	3.17E-10	3.20E-08	8.12E-10	4.29E-09	7.54E-11	5.18E-09	7.38E-10	2.25E-09	2.28E-11	3.01E-09
1369	471053.22	3818829.8	8.79E-09	3.41E-08	4.52E-10	4.33E-08	7.32E-09	2.50E-08	3.24E-10	3.27E-08	8.30E-10	4.39E-09	7.70E-11	5.29E-09	7.54E-10	2.30E-09	2.33E-11	3.08E-09
1370	471056.79	3818838.67	8.99E-09	3.49E-08	4.62E-10	4.43E-08	7.49E-09	2.56E-08	3.31E-10	3.34E-08	8.49E-10	4.49E-09	7.88E-11	5.42E-09	7.72E-10	2.35E-09	2.38E-11	3.15E-09
1371	471060.36	3818847.54	9.20E-09	3.57E-08	4.72E-10	4.53E-08	7.66E-09	2.62E-08	3.39E-10	3.42E-08	8.68E-10	4.59E-09	8.06E-11	5.54E-09	7.89E-10	2.40E-09	2.44E-11	3.22E-09
1372	471063.93	3818856.4	9.41E-09	3.65E-08	4.83E-10	4.64E-08	7.84E-09	2.68E-08	3.47E-10	3.50E-08	8.88E-10	4.70E-09	8.24E-11	5.67E-09	8.08E-10	2.46E-09	2.49E-11	3.29E-09
1373	471067.5	3818865.27	9.63E-09	3.73E-08	4.95E-10	4.75E-08	8.02E-09	2.74E-08	3.55E-10	3.58E-08	9.09E-10	4.81E-09	8.44E-11	5.80E-09	8.27E-10	2.52E-09	2.55E-11	3.37E-09
1374	471071.07	3818874.14	9.86E-09	3.82E-08	5.06E-10	4.86E-08	8.21E-09	2.81E-08	3.64E-10	3.67E-08	9.31E-10	4.92E-09	8.64E-11	5.94E-09	8.46E-10	2.58E-09	2.61E-11	3.45E-09
1375	471074.65	3818883.01	1.01E-08	3.91E-08	5.19E-10	4.98E-08	8.41E-09	2.88E-08	3.72E-10	3.75E-08	9.53E-10	5.04E-09	8.85E-11	6.08E-09	8.67E-10	2.64E-09	2.68E-11	3.53E-09
1376	471078.22	3818891.88	1.03E-08	4.01E-08	5.31E-10	5.09E-08	8.61E-09	2.94E-08	3.81E-10	3.84E-08	9.76E-10	5.16E-09	9.06E-11	6.23E-09	8.87E-10	2.70E-09	2.74E-11	3.62E-09
1377	471081.79	3818900.75	1.06E-08	4.10E-08	5.44E-10	5.22E-08	8.81E-09	3.02E-08	3.90E-10	3.94E-08	9.99E-10	5.28E-09	9.27E-11	6.37E-09	9.08E-10	2.77E-09	2.80E-11	3.70E-09
1378	471085.36	3818909.62	1.08E-08	4.20E-08	5.56E-10	5.34E-08	9.02E-09	3.09E-08	3.99E-10	4.03E-08	1.02E-09	5.41E-09	9.49E-11	6.52E-09	9.30E-10	2.83E-09	2.87E-11	3.79E-09
1379	471088.93	3818918.49	1.11E-08	4.30E-08	5.69E-10	5.46E-08	9.23E-09	3.16E-08	4.09E-10	4.12E-08	1.05E-09	5.53E-09	9.71E-11	6.68E-09	9.51E-10	2.90E-09	2.94E-11	3.88E-09
1380	471092.5	3818927.35	1.13E-08	4.40E-08	5.83E-10	5.59E-08	9.45E-09	3.23E-08	4.18E-10	4.22E-08	1.07E-09	5.66E-09	9.94E-11	6.83E-09	9.74E-10	2.97E-09	3.01E-11	3.97E-09
1381	471096.07	3818936.22	1.16E-08	4.50E-08	5.97E-10	5.72E-08	9.67E-09	3.31E-08	4.28E-10	4.32E-08	1.10E-09	5.80E-09	1.02E-10	6.99E-09	9.97E-10	3.04E-09	3.08E-11	4.06E-09
1382	471106.78	3818962.83	1.24E-08	4.82E-08	6.39E-10	6.13E-08	1.04E-08	3.54E-08	4.59E-10	4.63E-08	1.17E-09	6.21E-09	1.09E-10	7.49E-09	1.07E-09	3.25E-09	3.30E-11	4.35E-09
1383	471110.35	3818971.7	1.27E-08	4.93E-08	6.54E-10	6.27E-08	1.06E-08	3.63E-08	4.69E-10	4.73E-08	1.20E-09	6.35E-09	1.11E-10	7.66E-09	1.09E-09	3.33E-09	3.37E-11	4.45E-09
1384	471113.92	3818980.57	1.30E-08	5.05E-08	6.69E-10	6.42E-08	1.08E-08	3.71E-08	4.80E-10	4.84E-08	1.23E-09	6.50E-09	1.14E-10	7.84E-09	1.12E-09	3.40E-09	3.45E-11	4.55E-09
1385	471117.49	3818989.44	1.33E-08	5.16E-08	6.84E-10	6.56E-08	1.11E-08	3.79E-08	4.91E-10	4.95E-08	1.26E-09	6.65E-09	1.17E-10	8.02E-09	1.14E-09	3.48E-09	3.53E-11	4.66E-09
1386	471121.06	3818998.3	1.36E-08	5.28E-08	6.99E-10	6.71E-08	1.13E-08	3.88E-08	5.02E-10	5.06E-08	1.29E-09	6.80E-09	1.19E-10	8.20E-09	1.17E-09	3.56E-09	3.61E-11	4.76E-09
1387	471124.63	3819007.17	1.39E-08	5.40E-08	7.15E-10	6.86E-08	1.16E-08	3.97E-08	5.13E-10	5.18E-08	1.31E-09	6.95E-09	1.22E-10	8.39E-09	1.19E-09	3.64E-09	3.69E-11	4.87E-09
1388	471128.2	3819016.04	1.42E-08	5.52E-08	7.31E-10	7.01E-08	1.18E-08	4.05E-08	5.25E-10	5.29E-08	1.34E-09	7.10E-09	1.25E-10	8.57E-09	1.22E-09	3.72E-09	3.77E-11	4.98E-09
1389	471131.77	3819024.91	1.45E-08	5.64E-08	7.47E-10	7.16E-08	1.21E-08	4.14E-08	5.36E-10	5.41E-08	1.37E-09	7.26E-09	1.27E-10	8.76E-09	1.25E-09	3.80E-09	3.85E-11	5.09E-09
1390	471135.34	3819033.78	1.48E-08	5.76E-08	7.63E-10	7.32E-08	1.24E-08	4.23E-08	5.47E-10	5.52E-08	1.40E-09	7.41E-09	1.30E-10	8.94E-09	1.27E-09	3.88E-09	3.93E-11	5.19E-09
1391	471138.91	3819042.65	1.52E-08	5.88E-08	7.79E-10	7.47E-08	1.26E-08	4.32E-08	5.59E-10	5.64E-08	1.43E-09	7.57E-09	1.33E-10	9.13E-09	1.30E-09	3.96E-09	4.02E-11	5.30E-09
1392	471142.48	3819051.52	1.55E-08	6.00E-08	7.95E-10	7.63E-08	1.29E-08	4.41E-08	5.70E-10	5.75E-08	1.46E-09	7.72E-09	1.36E-10	9.32E-09	1.33E-09	4.04E-09	4.10E-11	5.41E-09
1393	471146.06	3819060.39	1.58E-08	6.12E-08	8.11E-10	7.78E-08	1.31E-08	4.50E-08	5.82E-10	5.87E-08	1.49E-09	7.88E-09	1.38E-10	9.50E-09	1.35E-09	4.12E-09	4.18E-11	5.52E-09
1394	471149.63	3819069.25	1.61E-08	6.24E-08	8.27E-10	7.93E-08	1.34E-08	4.58E-08	5.93E-10	5.98E-08	1.52E-09	8.03E-09	1.41E-10	9.69E-09	1.38E-09	4.21E-09	4.26E-11	5.63E-09
1395	471153.2	3819078.12	1.64E-08	6.36E-08	8.42E-10	8.08E-08	1.37E-08	4.67E-08	6.05E-10	6.10E-08	1.55E-09	8.19E-09	1.44E-10	9.88E-09	1.41E-09	4.29E-09	4.35E-11	5.74E-09
1396	471156.77	3819086.99	1.67E-08	6.48E-08	8.58E-10	8.23E-08	1.39E-08	4.76E-08	6.16E-10	6.21E-08	1.58E-09	8.34E-09	1.46E-10	1.01E-08	1.43E-09	4.36E-09	4.43E-11	5.84E-09
1397	471160.34	3819095.86	1.70E-08	6.59E-08	8.73E-10	8.38E-08	1.42E-08	4.84E-08	6.27E-10	6.32E-08	1.61E-09	8.49E-09	1.49E-10	1.02E-08	1.46E-09	4.44E-09	4.51E-11	5.95E-09
1398	471163.91	3819104.73	1.73E-08	6.71E-08	8.89E-10	8.53E-08	1.44E-08	4.93E-08	6.38E-10	6.43E-08	1.63E-09	8.64E-09	1.52E-10	1.04E-08	1.48E-09	4.52E-09	4.59E-11	6.05E-09
1399	471167.48	3819113.6	1.76E-08	6.82E-08	9.04E-10	8.67E-08	1.47E-08	5.01E-08	6.49E-10	6.54E-08	1.66E-09	8.78E-09	1.54E-10	1.06E-08	1.51E-09	4.60E-09	4.66E-11	6.16E-09
1400	471171.05	3819122.47	1.79E-08	6.93E-08	9.19E-10	8.81E-08	1.49E-08	5.10E-08	6.59E-10	6.65E-08	1.69E-09	8.93E-09	1.57E-10	1.08E-08	1.53E-09	4.67E-09	4.74E-11	6.26E-09
1401	471174.62	3819131.34	1.82E-08	7.05E-08	9.33E-10	8.96E-08	1.51E-08	5.18E-08	6.70E-10	6.76E-08	1.72E-09	9.07E-09	1.59E-10	1.09E-08	1.56E-09	4.75E-09	4.82E-11	6.36E-09
1402	471185.33	3819157.94	1.90E-08	7.36E-08	9.75E-10	9.35E-08	1.58E-08	5.41E-08	7.00E-10	7.06E-08	1.79E-09	9.47E-09	1.66E-10	1.14E-08	1.63E-09	4.96E-09	5.03E-11	6.64E-09
1403	471188.9	3819166.81	1.92E-08	7.46E-08	9.88E-10	9.48E-08	1.60E-08	5.48E-08	7.09E-10	7.15E-08	1.82E-09	9.60E-09	1.68E-10	1.16E-08	1.65E-09	5.03E-09	5.10E-11	6.73E-09
1404	471192.47	3819175.68	1.95E-08	7.55E-08	1.00E-09	9.60E-08	1.62E-08	5.55E-08	7.18E-10	7.24E-08	1.84E-09	9.72E-09	1.71E-10	1.17E-08	1.67E-09	5.09E-09	5.16E-11	6.81E-09
1405	471196.04	3819184.55	1.97E-08	7.64E-08	1.01E-09	9.71E-08	1.64E-08	5.61E-08	7.27E-10	7.33E-08	1.86E-09	9.84E-09	1.73E-10	1.19E-08	1.69E-09	5.15E-09	5.22E-11	6.89E-09
1406	471199.61	3819193.42	1.99E-08	7.73E-08	1.02E-09	9.82E-08	1.66E-08	5.68E-08	7.35E-10	7.41E-08	1.88E-09	9.95E-09	1.75E-10	1.20E-08	1.71E-09	5.21E-09	5.28E-11	6.97E-09
1407	471203.18	3819202.29	2.01E-08	7.81E-08	1.03E-09	9.93E-08	1.68E-08	5.74E-08	7.43E-10	7.49E-08	1.90E-09	1.01E-08	1.76E-10	1.21E-08	1.73E-09	5.26E-09	5.34E-11	7.05E-09
1408	471206.75	3819211.15	2.03E-08	7.89E-08	1.05E-09	1.00E-07	1.69E-08	5.80E-08	7.50E-10	7.57E-08	1.92E-09	1.02E-08	1.78E-10	1.23E-08	1.75E-09	5.32E-09	5.39E-11	7.12E-09
1409	471210.32	3819220.02	2.05E-08	7.96E-08	1.05E-09	1.01E-07	1.71E-08	5.85E-08	7.57E-10	7.64E-08	1.94E-09	1.02E-08	1.80E-10	1.24E-08	1.76E-09	5.37E-09	5.44E-11	7.18E-09
1410	471213.89	3819228.89	2.07E-08	8.03E-08	1.06E-09	1.02E-07	1.72E-08	5.90E-08	7.64E-10	7.70E-08	1.96E-09	1.03E-08	1.81E-10	1.25E-08	1.78E-09	5.41E-09	5.49E-11	7.25E-09
1411	471217.46	3819237.76	2.09E-08	8.09E-08	1.07E-09	1.03E-07	1.74E-08	5.95E-08	7.70E-10	7.76E-08	1.97E-09	1.04E-08	1.83E-10	1.26E-08	1.79E-09	5.46E-09	5.53E-11	7.30E-09
1412	470284.78	3818298.53	1.21E-08	4.71E-08	6.24E-10	5.99E-08	1.01E-08	3.46E-08	4.48E-10	4.52E-08	1.15E-09	6.07E-09	1.06E-10	7.32E-09	1.04E-09	3.18E-09	3.22E-11	4.25E-09
1413	470275.22	3818298.39	1.23E-08	4.78E-08	6.33E-10	6.07E-08	1.03E-08	3.51E-08	4.54E-10	4.58E-08	1.16E-09	6.15E-09	1.08E-10	7.42E-09	1.06E-09	3.22E-09	3.26E-11	4.31E-09
1414	470265.65	3818298.26	1.25E-08	4.84E-08	6.41E-10	6.15E-08	1.04E-08	3.56E-08	4.60E-10	4.64E-08	1.18E-09	6.23E-09	1.09E-10	7.52E-09	1.07E-09	3.26E-09	3.31E-11	4.37E-09
1415	470256.09	3818298.12	1.26E-08	4.90E-08	6.49E-10	6.22E-08	1.05E-08	3.60E-08	4.66E-10	4.70E-08	1.19E-09	6.30E-09	1.11E-10	7.61E-09	1.08E-09	3.30E-09	3.35E-11	4.42E-09
1416	470246.53	3818297.99	1.28E-08	4.95E-08	6.55E-10	6.29E-08	1.06E-08	3.64E-08	4.70E-10	4.74E-08	1.20E-09	6.37E-09	1.12E-10	7.68E-09	1.09E-09	3.33E-09	3.38E-11	4.46E-09
1417	470236.97	3818297.85	1.29E-08	4.99E-08	6.62E-10	6.35E-08	1.07E-08	3.67E-08	4.75E-10	4.79E-08	1.22E-09	6.43E-09	1.13E-10	7.76E-09	1.11E-09	3.37E-09	3.41E-11	4.51E-09
1418	470227.4	3818297.72	1.30E-08	5.04E-08	6.68E-10	6.41E-08	1.08E-08	3.70E-08	4.79E-10	4.83E-08	1.23E-09	6.49E-09	1.14E-10	7.83E-09	1.12E-09	3.40E-09	3.45E-11	4.55E-09
1419	470217.84	3818297.58	1.31E-08	5.09E-08	6.74E-10	6.46E-08	1.09E-08	3.74E-08	4.84E-10	4.88E-08	1.24E-09	6.55E-09	1.15E-10	7.90E-09	1.13E-09	3.43E-09	3.48E-11	4.59E-09
1420	470208.28	3818297.45	1.32E-08	5.13E-08	6.79E-10	6.52E-08	1.10E-08	3.77E-08	4.88E-10	4.92E-08	1.25E-09	6.60E-09	1.16E-10	7.96E-09	1.13E-09	3.46E-09	3.50E-11	4.63E-09
1421	470198.72	3818297.31	1.33E-08	5.16E-08	6.84E-10	6.56E-08	1.11E-08	3.79E-08	4.91E-10	4.95E-08	1.26E-09	6.65E-09	1.17E-10	8.02E-09	1.14E-09	3.48E-09	3.53E-11	4.66E-09
1422	470189.16	3818297.18	1.34E-08	5.19E-08	6.88E-10	6.60E-08	1.11E-08	3.81E-08	4.93E-10	4.98E-08	1.26E-09	6.68E-09	1.17E-10	8.06E-09	1.15E-09	3.50E-09	3.55E-11	4.68E-09
1423	470179.59	3818297.04	1.34E-08	5.21E-08	6.91E-10	6.63E-08	1.12E-08	3.83E-08	4.96E-10	5.00E-08	1.27E-09	6.71E-09	1.18E-10	8.10E-09	1.15E-09	3.51E-09	3.56E-11	4.70E-09
1424	470170.03	3818296.91	1.35E-08	5.23E-08	6.93E-10	6.65E-08	1.12E-08	3.84E-08	4.97E-10	5.02E-08	1.27E-09	6.73E-09	1.18E-10	8.12E-09	1.16E-09	3.52E-09	3.57E-11	4.72E-09
1425	470160.47	3818296.77	1.39E-08	5.39E-08	7.14E-10	6.85E-08	1.16E-08	3.96E-08	5.12E-10	5.17E-08	1.31E-09	6.93E-09	1.22E-10	8.37E-09	1.19E-09	3.63E-09	3.68E-11	4.86E-09
1426	470150.91	3818296.64	1.39E-08	5.41E-08	7.16E-10	6.87E-08	1.16E-08	3.97E-08	5.14E-10	5.18E-08	1.32E-09	6.96E-09	1.22E-10	8.40E-09	1.20E-09	3.64E-09	3.69E-11	4.88E-09
1427	470141.34	3818296.5	1.40E-08	5.42E-08	7.17E-10	6.88E-08	1.16E-08	3.98E-08	5.15E-10	5.19E-08	1.32E-09	6.97E-09	1.22E-10	8.41E-09	1.20E-09	3.65E-09	3.70E-11	4.89E-09
1428	470131.78	3818296.37	1.40E-08	5.42E-08	7.18E-10	6.89E-08	1.16E-08	3.98E-08	5.15E-10	5.20E-08	1.32E-09	6.97E-09	1.22E-10	8.42E-09	1.20E-09	3.65E-09	3.70E-11	4.89E-09
1429	470122.22	3818296.23	1.40E-08	5.41E-08	7.17E-10	6.88E-08	1.16E-08	3.98E-08	5.15E-10	5.19E-08	1.32E-09	6.97E-09	1.22E-10	8.41E-09	1.20E-09	3.65E-09	3.70E-11	4.88E-09
1430	470757.59	3818417.02	6.06E-09	2.35E-08	3.12E-10	2.99E-08	5.05E-09	1.73E-08	2.24E-10	2.26E-08	5.73E-10	3.03E-09	5.31E-11	3.65E-09	5.21E-10	1.59E-09	1.61E-11	2.12E-09
1431	470766.31	3818420.76	5.99E-09	2.32E-08	3.08E-10	2.95E-08	4.99E-09	1.71E-08	2.21E-10	2.23E-08	5.66E-10	2.99E-09	5.25E-11	3.61E-09	5.14E-10	1.57E-09	1.59E-11	2.10E-09
1432	470775.03	3818424.5	5.91E-09	2.29E-08	3.04E-10	2.91E-08	4.92E-09	1.68E-08	2.18E-10	2.20E-08	5.58E-10	2.95E-09	5.18E-11	3.56E-09	5.08E-10	1.55E-09	1.57E-11	2.07E-09
1433	470783.75	3818428.25	5.84E-09	2.26E-08	3.00E-10	2.88E-08	4.86E-09	1.66E-08	2.15E-10	2.17E-08	5.51E-10	2.91E-09	5.11E-11	3.52E-09	5.01E-10	1.53E-09	1.55E-11	2.04E-09
1434	470792.47	3818431.99	5.76E-09	2.23E-08	2.96E-10	2.84E-08	4.80E-09	1.64E-08	2.12E-10	2.14E-08	5.44E-10	2.88E-09	5.05E-11	3.47E-09	4.94E-10	1.51E-09	1.53E-11	2.02E-09
1435	470801.19	3818435.73	5.69E-09	2.21E-08	2.92E-10	2.80E-08	4.74E-09	1.62E-08	2.10E-10	2.12E-08	5.37E-10	2.84E-09	4.98E-11	3.43E-09	4.88E-10	1.49E-09	1.51E-11	1.99E-09
1436	470809.91	3818439.47	5.61E-09	2.18E-08	2.88E-10	2.77E-08	4.68E-09	1.60E-08	2.07E-10	2.09E-08	5.30E-10	2.80E-09	4.92E-11	3.38E-09	4.82E-10	1.47E-09	1.49E-11

1437	470818.63	3818443.22	5.55E-09	2.15E-08	2.85E-10	2.73E-08	4.62E-09	1.58E-08	2.04E-10	2.06E-08	5.24E-10	2.77E-09	4.86E-11	3.34E-09	4.76E-10	1.45E-09	1.47E-11	1.94E-09
1438	470827.35	3818446.96	5.48E-09	2.12E-08	2.81E-10	2.70E-08	4.56E-09	1.56E-08	2.02E-10	2.04E-08	5.17E-10	2.73E-09	4.80E-11	3.30E-09	4.70E-10	1.43E-09	1.45E-11	1.92E-09
1439	470836.07	3818450.7	5.41E-09	2.10E-08	2.78E-10	2.67E-08	4.50E-09	1.54E-08	1.99E-10	2.01E-08	5.11E-10	2.70E-09	4.74E-11	3.26E-09	4.64E-10	1.41E-09	1.43E-11	1.89E-09
1440	470844.79	3818454.44	5.34E-09	2.07E-08	2.74E-10	2.63E-08	4.45E-09	1.52E-08	1.97E-10	1.99E-08	5.04E-10	2.67E-09	4.68E-11	3.22E-09	4.59E-10	1.40E-09	1.42E-11	1.87E-09
1441	470853.51	3818458.19	5.28E-09	2.05E-08	2.71E-10	2.60E-08	4.39E-09	1.50E-08	1.95E-10	1.96E-08	4.98E-10	2.63E-09	4.62E-11	3.18E-09	4.53E-10	1.38E-09	1.40E-11	1.85E-09
1442	470862.23	3818461.93	5.21E-09	2.02E-08	2.68E-10	2.57E-08	4.34E-09	1.49E-08	1.92E-10	1.94E-08	4.92E-10	2.60E-09	4.57E-11	3.14E-09	4.48E-10	1.36E-09	1.38E-11	1.82E-09
1443	470870.95	3818465.67	5.15E-09	2.00E-08	2.65E-10	2.54E-08	4.29E-09	1.47E-08	1.90E-10	1.92E-08	4.87E-10	2.57E-09	4.52E-11	3.10E-09	4.42E-10	1.35E-09	1.37E-11	1.80E-09
1444	470914.54	3818484.38	4.88E-09	1.89E-08	2.51E-10	2.41E-08	4.07E-09	1.39E-08	1.80E-10	1.82E-08	4.61E-10	2.44E-09	4.28E-11	2.94E-09	4.19E-10	1.28E-09	1.29E-11	1.71E-09
1445	470923.26	3818488.13	4.84E-09	1.88E-08	2.48E-10	2.38E-08	4.03E-09	1.38E-08	1.78E-10	1.80E-08	4.57E-10	2.41E-09	4.24E-11	2.91E-09	4.15E-10	1.26E-09	1.28E-11	1.69E-09
1446	470931.98	3818491.87	4.79E-09	1.86E-08	2.46E-10	2.36E-08	3.99E-09	1.37E-08	1.77E-10	1.78E-08	4.53E-10	2.39E-09	4.20E-11	2.89E-09	4.11E-10	1.25E-09	1.27E-11	1.68E-09
1447	470940.7	3818495.61	4.75E-09	1.84E-08	2.44E-10	2.34E-08	3.96E-09	1.35E-08	1.75E-10	1.77E-08	4.49E-10	2.37E-09	4.16E-11	2.86E-09	4.08E-10	1.24E-09	1.26E-11	1.66E-09
1448	470949.42	3818499.35	4.71E-09	1.83E-08	2.42E-10	2.32E-08	3.93E-09	1.34E-08	1.74E-10	1.75E-08	4.45E-10	2.35E-09	4.13E-11	2.84E-09	4.05E-10	1.23E-09	1.25E-11	1.65E-09
1449	470958.14	3818503.1	4.68E-09	1.81E-08	2.40E-10	2.31E-08	3.89E-09	1.33E-08	1.72E-10	1.74E-08	4.42E-10	2.33E-09	4.10E-11	2.82E-09	4.01E-10	1.22E-09	1.24E-11	1.64E-09
1450	470966.86	3818506.84	4.64E-09	1.80E-08	2.38E-10	2.29E-08	3.86E-09	1.32E-08	1.71E-10	1.73E-08	4.38E-10	2.32E-09	4.07E-11	2.80E-09	3.98E-10	1.21E-09	1.23E-11	1.62E-09
1451	470975.58	3818510.58	4.61E-09	1.79E-08	2.37E-10	2.27E-08	3.84E-09	1.31E-08	1.70E-10	1.71E-08	4.35E-10	2.30E-09	4.04E-11	2.78E-09	3.96E-10	1.21E-09	1.22E-11	1.61E-09
1452	470984.3	3818514.32	4.58E-09	1.78E-08	2.35E-10	2.26E-08	3.82E-09	1.31E-08	1.69E-10	1.70E-08	4.33E-10	2.29E-09	4.01E-11	2.76E-09	3.93E-10	1.20E-09	1.21E-11	1.60E-09
1453	470993.02	3818518.07	4.55E-09	1.77E-08	2.34E-10	2.24E-08	3.79E-09	1.30E-08	1.68E-10	1.69E-08	4.30E-10	2.27E-09	3.99E-11	2.74E-09	3.91E-10	1.19E-09	1.21E-11	1.59E-09
1454	471001.74	3818521.81	4.53E-09	1.76E-08	2.33E-10	2.23E-08	3.77E-09	1.29E-08	1.67E-10	1.69E-08	4.28E-10	2.26E-09	3.97E-11	2.73E-09	3.89E-10	1.18E-09	1.20E-11	1.59E-09
1455	471014	3818534.35	4.55E-09	1.77E-08	2.34E-10	2.24E-08	3.79E-09	1.30E-08	1.68E-10	1.69E-08	4.30E-10	2.27E-09	3.99E-11	2.74E-09	3.91E-10	1.19E-09	1.21E-11	1.59E-09
1456	471017.54	3818543.15	4.60E-09	1.79E-08	2.37E-10	2.27E-08	3.83E-09	1.31E-08	1.70E-10	1.71E-08	4.35E-10	2.30E-09	4.03E-11	2.77E-09	3.95E-10	1.20E-09	1.22E-11	1.61E-09
1457	471021.09	3818551.96	4.65E-09	1.81E-08	2.39E-10	2.29E-08	3.88E-09	1.33E-08	1.72E-10	1.73E-08	4.39E-10	2.32E-09	4.08E-11	2.80E-09	4.00E-10	1.22E-09	1.23E-11	1.63E-09
1458	471024.63	3818560.76	4.71E-09	1.83E-08	2.42E-10	2.32E-08	3.92E-09	1.34E-08	1.74E-10	1.75E-08	4.45E-10	2.35E-09	4.13E-11	2.84E-09	4.04E-10	1.23E-09	1.25E-11	1.65E-09
1459	471028.17	3818569.56	4.77E-09	1.85E-08	2.45E-10	2.35E-08	3.97E-09	1.36E-08	1.76E-10	1.77E-08	4.50E-10	2.38E-09	4.18E-11	2.87E-09	4.10E-10	1.25E-09	1.26E-11	1.67E-09
1460	471031.72	3818578.36	4.83E-09	1.87E-08	2.48E-10	2.38E-08	4.03E-09	1.38E-08	1.78E-10	1.80E-08	4.56E-10	2.41E-09	4.23E-11	2.91E-09	4.15E-10	1.26E-09	1.28E-11	1.69E-09
1461	471035.26	3818587.16	4.90E-09	1.90E-08	2.52E-10	2.41E-08	4.08E-09	1.40E-08	1.81E-10	1.82E-08	4.62E-10	2.45E-09	4.29E-11	2.95E-09	4.20E-10	1.28E-09	1.30E-11	1.71E-09
1462	471038.8	3818595.97	4.96E-09	1.92E-08	2.55E-10	2.45E-08	4.13E-09	1.41E-08	1.83E-10	1.85E-08	4.69E-10	2.48E-09	4.35E-11	2.99E-09	4.26E-10	1.30E-09	1.32E-11	1.74E-09
1463	471042.35	3818604.77	5.04E-09	1.95E-08	2.59E-10	2.48E-08	4.19E-09	1.44E-08	1.86E-10	1.87E-08	4.76E-10	2.51E-09	4.41E-11	3.03E-09	4.32E-10	1.32E-09	1.34E-11	1.76E-09
1464	471045.89	3818613.57	5.11E-09	1.98E-08	2.63E-10	2.52E-08	4.26E-09	1.46E-08	1.89E-10	1.90E-08	4.83E-10	2.55E-09	4.48E-11	3.08E-09	4.39E-10	1.34E-09	1.36E-11	1.79E-09
1465	471049.44	3818622.37	5.19E-09	2.01E-08	2.67E-10	2.56E-08	4.32E-09	1.48E-08	1.91E-10	1.93E-08	4.90E-10	2.59E-09	4.55E-11	3.13E-09	4.46E-10	1.36E-09	1.38E-11	1.82E-09
1466	471052.98	3818631.17	5.27E-09	2.04E-08	2.71E-10	2.60E-08	4.39E-09	1.50E-08	1.94E-10	1.96E-08	4.98E-10	2.63E-09	4.62E-11	3.18E-09	4.53E-10	1.38E-09	1.40E-11	1.84E-09
1467	471056.52	3818639.98	5.36E-09	2.08E-08	2.75E-10	2.64E-08	4.46E-09	1.53E-08	1.98E-10	1.99E-08	5.06E-10	2.68E-09	4.70E-11	3.23E-09	4.60E-10	1.40E-09	1.42E-11	1.88E-09
1468	471060.07	3818648.78	5.45E-09	2.11E-08	2.80E-10	2.69E-08	4.54E-09	1.55E-08	2.01E-10	2.03E-08	5.15E-10	2.72E-09	4.78E-11	3.28E-09	4.68E-10	1.42E-09	1.44E-11	1.91E-09
1469	471063.61	3818657.58	5.54E-09	2.15E-08	2.85E-10	2.73E-08	4.62E-09	1.58E-08	2.04E-10	2.06E-08	5.23E-10	2.77E-09	4.86E-11	3.34E-09	4.76E-10	1.45E-09	1.47E-11	1.94E-09
1470	471067.15	3818666.38	5.64E-09	2.19E-08	2.90E-10	2.78E-08	4.70E-09	1.61E-08	2.08E-10	2.10E-08	5.33E-10	2.82E-09	4.94E-11	3.40E-09	4.84E-10	1.47E-09	1.50E-11	1.97E-09
1471	471070.7	3818675.18	5.74E-09	2.23E-08	2.95E-10	2.83E-08	4.78E-09	1.64E-08	2.12E-10	2.14E-08	5.42E-10	2.87E-09	5.03E-11	3.46E-09	4.93E-10	1.50E-09	1.52E-11	2.01E-09
1472	471074.24	3818683.99	5.85E-09	2.27E-08	3.00E-10	2.88E-08	4.87E-09	1.67E-08	2.16E-10	2.17E-08	5.52E-10	2.92E-09	5.12E-11	3.52E-09	5.02E-10	1.53E-09	1.55E-11	2.05E-09
1473	471077.78	3818692.79	5.96E-09	2.31E-08	3.06E-10	2.94E-08	4.96E-09	1.70E-08	2.20E-10	2.22E-08	5.62E-10	2.97E-09	5.22E-11	3.59E-09	5.11E-10	1.56E-09	1.58E-11	2.08E-09
1474	471081.33	3818701.59	6.07E-09	2.35E-08	3.12E-10	2.99E-08	5.05E-09	1.73E-08	2.24E-10	2.26E-08	5.73E-10	3.03E-09	5.32E-11	3.66E-09	5.21E-10	1.59E-09	1.61E-11	2.12E-09
1475	471084.87	3818710.39	6.18E-09	2.40E-08	3.18E-10	3.05E-08	5.15E-09	1.76E-08	2.28E-10	2.30E-08	5.84E-10	3.09E-09	5.42E-11	3.73E-09	5.31E-10	1.62E-09	1.64E-11	2.16E-09
1476	471088.42	3818719.19	6.30E-09	2.45E-08	3.24E-10	3.11E-08	5.25E-09	1.80E-08	2.33E-10	2.35E-08	5.95E-10	3.15E-09	5.53E-11	3.80E-09	5.41E-10	1.65E-09	1.67E-11	2.21E-09
1477	471091.96	3818728	6.43E-09	2.49E-08	3.30E-10	3.17E-08	5.35E-09	1.83E-08	2.37E-10	2.39E-08	6.07E-10	3.21E-09	5.63E-11	3.87E-09	5.52E-10	1.68E-09	1.70E-11	2.25E-09
1478	471095.5	3818736.8	6.56E-09	2.54E-08	3.37E-10	3.23E-08	5.46E-09	1.87E-08	2.42E-10	2.44E-08	6.19E-10	3.27E-09	5.75E-11	3.95E-09	5.63E-10	1.71E-09	1.74E-11	2.30E-09
1479	471099.05	3818745.6	6.69E-09	2.59E-08	3.44E-10	3.30E-08	5.57E-09	1.91E-08	2.47E-10	2.49E-08	6.32E-10	3.34E-09	5.86E-11	4.03E-09	5.74E-10	1.75E-09	1.77E-11	2.34E-09
1480	471102.59	3818754.4	6.82E-09	2.65E-08	3.51E-10	3.36E-08	5.68E-09	1.95E-08	2.52E-10	2.54E-08	6.44E-10	3.41E-09	5.98E-11	4.11E-09	5.86E-10	1.78E-09	1.81E-11	2.39E-09
1481	471106.13	3818763.2	6.97E-09	2.70E-08	3.58E-10	3.43E-08	5.80E-09	1.99E-08	2.57E-10	2.59E-08	6.58E-10	3.48E-09	6.10E-11	4.20E-09	5.98E-10	1.82E-09	1.85E-11	2.44E-09
1482	471109.68	3818772.01	7.11E-09	2.76E-08	3.65E-10	3.51E-08	5.92E-09	2.03E-08	2.62E-10	2.65E-08	6.72E-10	3.55E-09	6.23E-11	4.28E-09	6.11E-10	1.86E-09	1.89E-11	2.49E-09
1483	471113.22	3818780.81	7.26E-09	2.81E-08	3.73E-10	3.58E-08	6.05E-09	2.07E-08	2.68E-10	2.70E-08	6.85E-10	3.62E-09	6.36E-11	4.37E-09	6.23E-10	1.90E-09	1.92E-11	2.54E-09
1484	471138.03	3818842.42	8.41E-09	3.26E-08	4.32E-10	4.15E-08	7.01E-09	2.40E-08	3.10E-10	3.13E-08	7.95E-10	4.20E-09	7.37E-11	5.07E-09	7.22E-10	2.20E-09	2.23E-11	2.94E-09
1485	471141.57	3818851.22	8.60E-09	3.33E-08	4.42E-10	4.24E-08	7.16E-09	2.45E-08	3.17E-10	3.20E-08	8.12E-10	4.29E-09	7.53E-11	5.18E-09	7.38E-10	2.25E-09	2.28E-11	3.01E-09
1486	471145.11	3818860.03	8.78E-09	3.41E-08	4.51E-10	4.33E-08	7.32E-09	2.50E-08	3.24E-10	3.27E-08	8.30E-10	4.39E-09	7.70E-11	5.29E-09	7.54E-10	2.30E-09	2.33E-11	3.07E-09
1487	471148.66	3818868.83	8.97E-09	3.48E-08	4.61E-10	4.42E-08	7.47E-09	2.56E-08	3.31E-10	3.34E-08	8.47E-10	4.48E-09	7.86E-11	5.41E-09	7.70E-10	2.35E-09	2.38E-11	3.14E-09
1488	471152.2	3818877.63	9.17E-09	3.56E-08	4.71E-10	4.52E-08	7.64E-09	2.61E-08	3.38E-10	3.41E-08	8.66E-10	4.58E-09	8.03E-11	5.52E-09	7.87E-10	2.40E-09	2.43E-11	3.21E-09
1489	471155.74	3818886.43	9.37E-09	3.63E-08	4.81E-10	4.62E-08	7.80E-09	2.67E-08	3.45E-10	3.48E-08	8.84E-10	4.68E-09	8.21E-11	5.64E-09	8.04E-10	2.45E-09	2.48E-11	3.28E-09
1490	471159.29	3818895.23	9.57E-09	3.71E-08	4.92E-10	4.72E-08	7.97E-09	2.73E-08	3.53E-10	3.56E-08	9.03E-10	4.78E-09	8.38E-11	5.76E-09	8.21E-10	2.50E-09	2.54E-11	3.35E-09
1491	471162.83	3818904.04	9.78E-09	3.79E-08	5.02E-10	4.82E-08	8.14E-09	2.79E-08	3.61E-10	3.64E-08	9.23E-10	4.88E-09	8.57E-11	5.89E-09	8.39E-10	2.56E-09	2.59E-11	3.42E-09
1492	471166.37	3818912.84	9.99E-09	3.88E-08	5.13E-10	4.93E-08	8.32E-09	2.85E-08	3.69E-10	3.72E-08	9.44E-10	4.99E-09	8.76E-11	6.02E-09	8.58E-10	2.61E-09	2.65E-11	3.50E-09
1493	471169.92	3818921.64	1.02E-08	3.96E-08	5.25E-10	5.03E-08	8.50E-09	2.91E-08	3.77E-10	3.80E-08	9.64E-10	5.10E-09	8.95E-11	6.15E-09	8.76E-10	2.67E-09	2.71E-11	3.57E-09
1494	471173.46	3818930.44	1.04E-08	4.05E-08	5.36E-10	5.14E-08	8.69E-09	2.97E-08	3.85E-10	3.88E-08	9.85E-10	5.21E-09	9.14E-11	6.28E-09	8.96E-10	2.73E-09	2.77E-11	3.65E-09
1495	471180.55	3818948.05	1.09E-08	4.22E-08	5.59E-10	5.37E-08	9.07E-09	3.10E-08	4.01E-10	4.05E-08	1.03E-09	5.44E-09	9.54E-11	6.56E-09	9.35E-10	2.85E-09	2.89E-11	3.81E-09
1496	471184.09	3818956.85	1.11E-08	4.31E-08	5.71E-10	5.48E-08	9.26E-09	3.17E-08	4.10E-10	4.13E-08	1.05E-09	5.55E-09	9.74E-11	6.70E-09	9.54E-10	2.91E-09	2.95E-11	3.89E-09
1497	471187.64	3818965.65	1.14E-08	4.40E-08	5.83E-10	5.60E-08	9.46E-09	3.24E-08	4.19E-10	4.22E-08	1.07E-09	5.67E-09	9.95E-11	6.84E-09	9.75E-10	2.97E-09	3.01E-11	3.97E-09
1498	471191.18	3818974.45	1.16E-08	4.50E-08	5.96E-10	5.72E-08	9.66E-09	3.30E-08	4.28E-10	4.31E-08	1.09E-09	5.79E-09	1.02E-10	6.99E-09	9.95E-10	3.03E-09	3.07E-11	4.06E-09
1499	471194.72	3818983.26	1.18E-08	4.59E-08	6.08E-10	5.84E-08	9.86E-09	3.37E-08	4.37E-10	4.40E-08	1.12E-09	5.91E-09	1.04E-10	7.13E-09	1.02E-09	3.09E-09	3.14E-11	4.14E-09
1500	471198.27	3818992.06	1.21E-08	4.69E-08	6.21E-10	5.96E-08	1.01E-08	3.44E-08	4.46E-10	4.50E-08	1.14E-09	6.03E-09	1.06E-10	7.28E-09	1.04E-09	3.16E-09	3.20E-11	4.23E-09
1501	471201.81	3819000.86	1.23E-08	4.78E-08	6.34E-10	6.08E-08	1.03E-08	3.51E-08	4.55E-10	4.59E-08	1.16E-09	6.16E-09	1.08E-10	7.43E-09	1.06E-09	3.22E-09	3.27E-11	4.32E-09
1502	471205.35	3819009.66	1.26E-08	4.88E-08	6.47E-10	6.20E-08	1.05E-08	3.59E-08	4.64E-10	4.68E-08	1.19E-09	6.28E-09	1.10E-10	7.58E-09	1.08E-09	3.29E-09	3.34E-11	4.40E-09
1503	471208.9	3819018.46	1.28E-08	4.98E-08	6.59E-10	6.33E-08	1.07E-08	3.66E-08	4.73E-10	4.77E-08	1.21E-09	6.41E-09	1.12E-10	7.73E-09	1.10E-09	3.36E-09	3.40E-11	4.49E-09
1504	471212.44	3819027.27	1.31E-08	5.08E-08	6.73E-10	6.45E-08	1.09E-08	3.73E-08	4.83E-10	4.87E-08	1.24E-09	6.54E-09	1.15E-10	7.89E-09	1.12E-09	3.42E-09	3.47E-11	4.58E-09
1505	471215.99	3819036.07	1.33E-08	5.17E-08	6.85E-10	6.58E-08	1.11E-08	3.80E-08	4.92E-10	4.96E-08	1.26E-09	6.66E-09	1.17E-10	8.04E-09	1.15E-09	3.49E-09	3.54E-11	4.67E-09
1506	471219.53	3819044.87	1.36E-08	5.27E-08	6.98E-10	6.70E-08	1.13E-08	3.87E-08	5.01E-10	5.06E-08	1.28E-09	6.79E-09	1.19E-10	8.19E-09	1.17E-09	3.55E-09	3.60E-11	4.76E-09
1507	471223.07	3819053.67	1.38E-08	5.37E-08	7.11E-10	6.82E-08	1.15E-08	3.94E-08	5.11E-10	5.15E-08	1.31E-09	6.91E-09	1.21E-10	8.34E-09	1.19E-09	3.62E-09	3.67E-11	4.84E-09
1508	471226.62	3819062.47	1.41E-08	5.46E-08	7.24E-10	6.95E-08	1.17E-08	4.02E-08	5.20E-10	5.24E-08	1.33E-09	7.03E-09	1.23E-10	8.49E-09	1.21E-09	3.68E-09	3.74E-11	4.93E-09
1509	471230.16	3819071.28	1.43E-08	5.56E-08	7.37E-10	7.07E-08	1.19E-08	4.09E-08	5.29E-10	5.33E-08	1.35E-09	7.16E-09	1.26E-10	8.64E-09	1.23E-09	3.75E-09	3.80E-11	5.02E-09
1510	471233.7	3819080.08	1.46E-08	5.66E-08	7.49E-10	7.19E-08	1.21E-08	4.16E-08	5.38E-10	5.42E-08	1.38E-09	7.28E-09	1.28E-10	8.79E-09	1.25E-09	3.81E-09	3.87E-11	5.10E-09
1511	471237.25	3819088.88	1.48E-08	5.75E-08	7.62E-10	7.31E-08	1.24E-08	4.23E-08	5.47E-10	5.52E-08	1.40E-09	7.40E-09	1.30E-10	8.93E-09	1.27E-09	3.88E-09	3.93E-11	5.19E-09
1512	471240.79	3819097.68	1.51E-08	5.84E-08	7.74E-10	7.43E-08	1.26E-08	4.29E-08	5.56E-10	5.60E-08	1.42E-09	7.52E-09	1.32E-10	9.08E-09	1.29E-09	3.94E-09	3.99E-11	5.27E-09
1513	471244.33	3819106.48	1.53E-08	5.93E-08	7.86E-10	7.54E-08	1.27E-08	4.36E-08	5.64E-10	5.69E-08	1.44E-09	7.64E-09	1.34E-10	9.22E-09	1.31E-09	4.00E-09	4.06E-11	5.35E-09
1514	471247.88	3819115.29	1.55E-08	6.02E-08	7.98E-10	7.66E-08	1.29E-08	4.43E-08	5.73E-10	5.78E-08	1.47E-09	7.75E-09	1.36E-10	9.36E-09	1.33E-09	4.06E-09	4.12E-11	5.43E-09
1515	471251.42	3819124.09	1.58E-08	6.11E-08	8.10E-10	7.77E-08	1.31E-08	4.49E-08	5.81E-10	5.86E-08	1.49E-09	7.87E-09	1.38E-10	9.49E-09	1.35E-09	4.12E-09	4.18E-11	5.51E-09
1516	471262.05	3819150.49	1.64E-08	6.36E-08	8.43E-10	8.09E-08	1.37E-08	4.68E-08	6.05E-10	6.10E-08	1.55E-09	8.19E-09	1.44E-10	9.88E-09	1.41E-09	4.29E-09	4.35E-11	5.74E-09
1517	471265.6	3819159.3	1.66E-08	6.44E-08	8.53E-10	8.19E-08	1.38E-08	4.73E-08	6.13E-10	6.18E-08	1.57E-09	8.29E-09	1.46E-10	1.00E-08	1.43E-09	4.34E-09	4.40E-11	5.81E-09
1518	471269.14	3819168.1	1.68E-08	6.52E-08	8.63E-10	8.28E-08	1.40E-08	4.79E-08	6.20E-10	6.25E-08	1.59E-09	8.39E-09	1.47E-10	1.01E-08	1.44E-09	4.39E-09	4.46E-11	5.88E-09
1519	471272.68	3819176.9	1.70E-08	6.59E-08	8.73E-10	8.38E-08	1.42E-08	4.84E-08	6.27E-10	6.32E-08	1.60E-09	8.48E-09	1.49E-10	1.02E-08	1.46E-09	4.44E-09	4.51E-11	5.95E-09
1520	471276.23	3819185.7	1.72E-08	6.66E-08	8.83E-10	8.47E-08	1.43E-08	4.90E-08	6.33E-10	6.39E-08	1.62E-09	8.58E-09	1.51E-10	1.03E-08	1.47E-09	4.49E-09	4.55E-11	6.01E-09
1521	471279.77	3819194.5	1.73E-08	6.73E-08	8.91E-10	8.55E-08	1.44E-08	4.94E-08	6.40E-10	6.45E-08	1.64E-09	8.66E-09	1.52E-10	1.05E-08	1.49E-09	4.53E-09	4.60E-11	6.07E-09
1522	471283.31	3819203.31	1.75E-08	6.79E-08	9.00E-10	8.63E-08	1.46E-08	4.99E-08	6.46E-10	6.51E-08	1.65E-09	8.74E-09	1.53E-10	1.05E-08	1.50E-09	4.58E-09	4.64E-11	6.13E-09
1523	471286.86	3819212.11	1.77E-08	6.85E-08	9.08E-10	8.71E-08	1.47E-08	5.03E-08	6.51E-10	6.57E-08	1.67E-09	8.82E-09	1.55E-10	1.06E-08	1.52E-09	4.62E-09	4.68E-11	6.18E-09
1524	471290.4	3819220.91	1.78E-08	6.91E-08	9.15E-10	8.78E-08	1.48E-08	5.08E-08	6.57E-10	6.62E-08	1.68E-09	8.89E-09	1.56E-10	1.07E-08	1.53E-09	4.66E-09	4.72E-11	6.23E-09
1525	471293.95	3819229.71	1.79E-08	6.96E-08	9.22E-10	8.85E-08	1.49E-08	5.11E-08	6.62E-10	6.67E-08	1.69E-09	8.96E-09	1.57E-10	1.08E-08	1.54E-09	4.69E-09	4.76E-11	6.28E-09
1526	470266.78	3818218.27	1.07E-08	4.17E-08	5.52E-10	5.30E-08	8.95E-09	3.06E-08	3.96E-10	4.00E-08	1.01E-09	5.37E-09	9.42E-11	6.48E-09	9.23E-10	2.81E-09	2.85E-11	3.76E-09
1527	470257.22	3818218.13	1.09E-08	4.22E-08	5.59E-10	5.36E-08	9.06E-09	3.10E-08	4.01E-10	4.05E-08	1.03E-09	5.43E-09	9.53E-11	6.55E-09	9.34E-10	2.84E-09	2.88E-11	3.81E-09
1528	470247.66	3818218	1.10E-08	4.26E-08	5.65E-10	5.42E-08	9.16E-09	3.13E-08	4.06E-10	4.09E-08	1.04E-09	5.49E-09	9.64E-11	6.62E-09	9.44E-10	2.87E-09	2.91E-11	3.85E-09
1529	470238.1	3818217.86	1.11E-08	4.31E-08	5.71E-10	5.48E-08	9.25E-09	3.17E-08	4.10E-10	4.13E-08	1.05E-09	5.55E-09	9.73E-11	6.69E-09	9.54E-10	2.90E-09	2.94E-11	3.89E-09
1530	470228.53	3818217.73	1.12E-08	4.35E-08	5.76E-10	5.53E-08	9.34E-09	3.19E-08	4.13E-10	4.17E-08	1.06E-09	5.60E-09	9.82E-11	6.75E-09	9.62E-10	2.93E-09	2.97E-11	3.92E-09
1531	470218.97	3818217.59	1.13E-08	4.38E-08	5.81E-10	5.57E-08	9.42E-09	3.22E-08	4.17E-10	4.20E-08	1.07E-09	5.64E-09	9.91E-11	6.81E-09	9.70E-10	2.96E-09	3.00E-11	3.96E-09
1532	470209.41	3818217.46	1.14E-08	4.42E-08	5.85E-10	5.61E-08	9.49E-09	3.25E-08	4.20E-10	4.24E-08	1.08E-09	5.69E-09	9.98E-11	6.86E-09	9.78E-10	2.98E-09	3.02E-11	3.98E-09

1533	470199.85	3818217.32	1.15E-08	4.45E-08	5.89E-10	5.65E-08	9.55E-09	3.27E-08	4.23E-10	4.26E-08	1.08E-09	5.72E-09	1.00E-10	6.91E-09	9.84E-10	3.00E-09	3.04E-11	4.01E-09
1534	470190.28	3818217.19	1.15E-08	4.47E-08	5.92E-10	5.68E-08	9.60E-09	3.28E-08	4.25E-10	4.29E-08	1.09E-09	5.75E-09	1.01E-10	6.94E-09	9.89E-10	3.01E-09	3.05E-11	4.03E-09
1535	470180.72	3818217.05	1.16E-08	4.49E-08	5.95E-10	5.71E-08	9.64E-09	3.30E-08	4.27E-10	4.31E-08	1.09E-09	5.78E-09	1.01E-10	6.97E-09	9.94E-10	3.03E-09	3.07E-11	4.05E-09
1536	470171.16	3818216.92	1.16E-08	4.50E-08	5.97E-10	5.73E-08	9.67E-09	3.31E-08	4.28E-10	4.32E-08	1.10E-09	5.80E-09	1.02E-10	7.00E-09	9.97E-10	3.04E-09	3.08E-11	4.06E-09
1537	470161.6	3818216.78	1.16E-08	4.52E-08	5.98E-10	5.74E-08	9.70E-09	3.32E-08	4.29E-10	4.33E-08	1.10E-09	5.81E-09	1.02E-10	7.01E-09	1.00E-09	3.04E-09	3.09E-11	4.07E-09
1538	470152.04	3818216.65	1.17E-08	4.52E-08	5.99E-10	5.75E-08	9.72E-09	3.32E-08	4.30E-10	4.34E-08	1.10E-09	5.82E-09	1.02E-10	7.03E-09	1.00E-09	3.05E-09	3.09E-11	4.08E-09
1539	470142.47	3818216.51	1.20E-08	4.66E-08	6.17E-10	5.92E-08	1.00E-08	3.42E-08	4.43E-10	4.47E-08	1.13E-09	6.00E-09	1.05E-10	7.24E-09	1.03E-09	3.14E-09	3.18E-11	4.20E-09
1540	470132.91	3818216.38	1.20E-08	4.66E-08	6.18E-10	5.93E-08	1.00E-08	3.43E-08	4.43E-10	4.47E-08	1.14E-09	6.00E-09	1.05E-10	7.24E-09	1.03E-09	3.14E-09	3.19E-11	4.21E-09
1541	470123.35	3818216.24	1.20E-08	4.66E-08	6.18E-10	5.93E-08	1.00E-08	3.43E-08	4.43E-10	4.47E-08	1.14E-09	6.00E-09	1.05E-10	7.24E-09	1.03E-09	3.14E-09	3.19E-11	4.21E-09
1542	470471.84	3818213.89	7.58E-09	2.94E-08	3.90E-10	3.74E-08	6.32E-09	2.16E-08	2.80E-10	2.82E-08	7.16E-10	3.79E-09	6.65E-11	4.57E-09	6.51E-10	1.98E-09	2.01E-11	2.65E-09
1543	470480.6	3818217.66	7.52E-09	2.92E-08	3.86E-10	3.71E-08	6.26E-09	2.14E-08	2.77E-10	2.80E-08	7.10E-10	3.75E-09	6.59E-11	4.53E-09	6.46E-10	1.97E-09	1.99E-11	2.63E-09
1544	470489.36	3818221.42	7.46E-09	2.89E-08	3.83E-10	3.68E-08	6.21E-09	2.13E-08	2.75E-10	2.77E-08	7.04E-10	3.72E-09	6.54E-11	4.49E-09	6.40E-10	1.95E-09	1.98E-11	2.61E-09
1545	470498.13	3818225.18	7.39E-09	2.87E-08	3.80E-10	3.64E-08	6.16E-09	2.11E-08	2.73E-10	2.75E-08	6.98E-10	3.69E-09	6.48E-11	4.45E-09	6.35E-10	1.93E-09	1.96E-11	2.59E-09
1546	470506.89	3818228.94	7.32E-09	2.84E-08	3.76E-10	3.61E-08	6.10E-09	2.09E-08	2.70E-10	2.72E-08	6.92E-10	3.66E-09	6.42E-11	4.41E-09	6.29E-10	1.91E-09	1.94E-11	2.56E-09
1547	470515.65	3818232.7	7.25E-09	2.81E-08	3.73E-10	3.58E-08	6.04E-09	2.07E-08	2.68E-10	2.70E-08	6.85E-10	3.62E-09	6.36E-11	4.37E-09	6.23E-10	1.90E-09	1.92E-11	2.54E-09
1548	470524.41	3818236.46	7.18E-09	2.79E-08	3.69E-10	3.54E-08	5.98E-09	2.05E-08	2.65E-10	2.67E-08	6.78E-10	3.59E-09	6.30E-11	4.33E-09	6.17E-10	1.88E-09	1.90E-11	2.51E-09
1549	470533.17	3818240.22	7.13E-09	2.76E-08	3.66E-10	3.51E-08	5.94E-09	2.03E-08	2.63E-10	2.65E-08	6.73E-10	3.56E-09	6.25E-11	4.29E-09	6.12E-10	1.86E-09	1.89E-11	2.49E-09
1550	470541.94	3818243.98	7.06E-09	2.74E-08	3.63E-10	3.48E-08	5.88E-09	2.01E-08	2.61E-10	2.63E-08	6.67E-10	3.53E-09	6.19E-11	4.26E-09	6.06E-10	1.85E-09	1.87E-11	2.47E-09
1551	470550.7	3818247.74	7.00E-09	2.71E-08	3.60E-10	3.45E-08	5.83E-09	1.99E-08	2.58E-10	2.60E-08	6.61E-10	3.49E-09	6.13E-11	4.22E-09	6.01E-10	1.83E-09	1.86E-11	2.45E-09
1552	470559.46	3818251.5	6.93E-09	2.69E-08	3.56E-10	3.42E-08	5.78E-09	1.98E-08	2.56E-10	2.58E-08	6.55E-10	3.46E-09	6.08E-11	4.18E-09	5.95E-10	1.81E-09	1.84E-11	2.43E-09
1553	470568.22	3818255.26	6.87E-09	2.66E-08	3.53E-10	3.39E-08	5.72E-09	1.96E-08	2.53E-10	2.55E-08	6.49E-10	3.43E-09	6.02E-11	4.14E-09	5.90E-10	1.80E-09	1.82E-11	2.40E-09
1554	470576.99	3818259.02	6.81E-09	2.64E-08	3.50E-10	3.36E-08	5.67E-09	1.94E-08	2.51E-10	2.53E-08	6.43E-10	3.40E-09	5.96E-11	4.10E-09	5.84E-10	1.78E-09	1.80E-11	2.38E-09
1555	470585.75	3818262.78	6.74E-09	2.61E-08	3.46E-10	3.32E-08	5.62E-09	1.92E-08	2.49E-10	2.51E-08	6.37E-10	3.37E-09	5.91E-11	4.06E-09	5.79E-10	1.76E-09	1.79E-11	2.36E-09
1556	470594.51	3818266.55	6.68E-09	2.59E-08	3.43E-10	3.29E-08	5.56E-09	1.90E-08	2.46E-10	2.48E-08	6.31E-10	3.33E-09	5.85E-11	4.02E-09	5.73E-10	1.75E-09	1.77E-11	2.34E-09
1557	470603.27	3818270.31	6.61E-09	2.57E-08	3.40E-10	3.26E-08	5.51E-09	1.88E-08	2.44E-10	2.46E-08	6.25E-10	3.30E-09	5.80E-11	3.98E-09	5.68E-10	1.73E-09	1.75E-11	2.31E-09
1558	470612.03	3818274.07	6.55E-09	2.54E-08	3.36E-10	3.23E-08	5.45E-09	1.87E-08	2.42E-10	2.44E-08	6.18E-10	3.27E-09	5.74E-11	3.95E-09	5.62E-10	1.71E-09	1.74E-11	2.29E-09
1559	470620.8	3818277.83	6.49E-09	2.52E-08	3.33E-10	3.20E-08	5.40E-09	1.85E-08	2.39E-10	2.41E-08	6.13E-10	3.24E-09	5.68E-11	3.91E-09	5.57E-10	1.70E-09	1.72E-11	2.27E-09
1560	470629.56	3818281.59	6.42E-09	2.49E-08	3.30E-10	3.17E-08	5.35E-09	1.83E-08	2.37E-10	2.39E-08	6.07E-10	3.21E-09	5.63E-11	3.87E-09	5.52E-10	1.68E-09	1.70E-11	2.25E-09
1561	470638.32	3818285.35	6.36E-09	2.47E-08	3.27E-10	3.14E-08	5.30E-09	1.81E-08	2.35E-10	2.37E-08	6.01E-10	3.17E-09	5.57E-11	3.83E-09	5.46E-10	1.66E-09	1.69E-11	2.23E-09
1562	470647.08	3818289.11	6.30E-09	2.44E-08	3.24E-10	3.10E-08	5.25E-09	1.79E-08	2.32E-10	2.34E-08	5.95E-10	3.14E-09	5.52E-11	3.79E-09	5.41E-10	1.65E-09	1.67E-11	2.20E-09
1563	470655.84	3818292.87	6.24E-09	2.42E-08	3.20E-10	3.07E-08	5.19E-09	1.78E-08	2.30E-10	2.32E-08	5.89E-10	3.11E-09	5.46E-11	3.76E-09	5.35E-10	1.63E-09	1.65E-11	2.18E-09
1564	470664.61	3818296.63	6.17E-09	2.39E-08	3.17E-10	3.04E-08	5.14E-09	1.76E-08	2.28E-10	2.30E-08	5.83E-10	3.08E-09	5.41E-11	3.72E-09	5.30E-10	1.61E-09	1.64E-11	2.16E-09
1565	470673.37	3818300.39	6.11E-09	2.37E-08	3.14E-10	3.01E-08	5.09E-09	1.74E-08	2.25E-10	2.27E-08	5.77E-10	3.05E-09	5.36E-11	3.68E-09	5.25E-10	1.60E-09	1.62E-11	2.14E-09
1566	470682.13	3818304.15	6.05E-09	2.35E-08	3.11E-10	2.98E-08	5.04E-09	1.72E-08	2.23E-10	2.25E-08	5.71E-10	3.02E-09	5.30E-11	3.64E-09	5.19E-10	1.58E-09	1.60E-11	2.12E-09
1567	470690.89	3818307.91	5.98E-09	2.32E-08	3.08E-10	2.95E-08	4.99E-09	1.71E-08	2.21E-10	2.23E-08	5.65E-10	2.99E-09	5.24E-11	3.61E-09	5.14E-10	1.56E-09	1.59E-11	2.09E-09
1568	470699.65	3818311.67	5.92E-09	2.30E-08	3.04E-10	2.92E-08	4.93E-09	1.69E-08	2.18E-10	2.20E-08	5.59E-10	2.96E-09	5.19E-11	3.57E-09	5.08E-10	1.55E-09	1.57E-11	2.07E-09
1569	470708.42	3818315.44	5.86E-09	2.27E-08	3.01E-10	2.89E-08	4.88E-09	1.67E-08	2.16E-10	2.18E-08	5.53E-10	2.92E-09	5.13E-11	3.53E-09	5.03E-10	1.53E-09	1.55E-11	2.05E-09
1570	470717.18	3818319.2	5.80E-09	2.25E-08	2.98E-10	2.86E-08	4.83E-09	1.65E-08	2.14E-10	2.16E-08	5.47E-10	2.89E-09	5.08E-11	3.49E-09	4.98E-10	1.52E-09	1.54E-11	2.03E-09
1571	470725.94	3818322.96	5.73E-09	2.22E-08	2.95E-10	2.83E-08	4.78E-09	1.63E-08	2.11E-10	2.13E-08	5.41E-10	2.86E-09	5.02E-11	3.45E-09	4.92E-10	1.50E-09	1.52E-11	2.01E-09
1572	470734.7	3818326.72	5.67E-09	2.20E-08	2.91E-10	2.79E-08	4.72E-09	1.62E-08	2.09E-10	2.11E-08	5.35E-10	2.83E-09	4.97E-11	3.42E-09	4.87E-10	1.48E-09	1.50E-11	1.98E-09
1573	470743.46	3818330.48	5.61E-09	2.17E-08	2.88E-10	2.76E-08	4.67E-09	1.60E-08	2.07E-10	2.09E-08	5.29E-10	2.80E-09	4.91E-11	3.38E-09	4.81E-10	1.47E-09	1.49E-11	1.96E-09
1574	470752.23	3818334.24	5.55E-09	2.15E-08	2.85E-10	2.73E-08	4.62E-09	1.58E-08	2.04E-10	2.06E-08	5.24E-10	2.77E-09	4.86E-11	3.34E-09	4.76E-10	1.45E-09	1.47E-11	1.94E-09
1575	470760.99	3818338	5.48E-09	2.13E-08	2.82E-10	2.70E-08	4.56E-09	1.56E-08	2.02E-10	2.04E-08	5.17E-10	2.74E-09	4.80E-11	3.30E-09	4.70E-10	1.43E-09	1.45E-11	1.92E-09
1576	470769.75	3818341.76	5.42E-09	2.10E-08	2.78E-10	2.67E-08	4.51E-09	1.54E-08	2.00E-10	2.02E-08	5.12E-10	2.70E-09	4.75E-11	3.26E-09	4.65E-10	1.42E-09	1.44E-11	1.90E-09
1577	470778.51	3818345.52	5.36E-09	2.08E-08	2.75E-10	2.64E-08	4.46E-09	1.53E-08	1.98E-10	1.99E-08	5.06E-10	2.67E-09	4.69E-11	3.23E-09	4.60E-10	1.40E-09	1.42E-11	1.87E-09
1578	470787.28	3818349.28	5.29E-09	2.05E-08	2.72E-10	2.61E-08	4.41E-09	1.51E-08	1.95E-10	1.97E-08	5.00E-10	2.64E-09	4.64E-11	3.19E-09	4.54E-10	1.38E-09	1.40E-11	1.85E-09
1579	470796.04	3818353.04	5.23E-09	2.03E-08	2.69E-10	2.58E-08	4.36E-09	1.49E-08	1.93E-10	1.94E-08	4.94E-10	2.61E-09	4.58E-11	3.15E-09	4.49E-10	1.37E-09	1.39E-11	1.83E-09
1580	470804.8	3818356.8	5.17E-09	2.00E-08	2.65E-10	2.55E-08	4.30E-09	1.47E-08	1.91E-10	1.92E-08	4.88E-10	2.58E-09	4.53E-11	3.11E-09	4.44E-10	1.35E-09	1.37E-11	1.81E-09
1581	470813.56	3818360.56	5.10E-09	1.98E-08	2.62E-10	2.51E-08	4.25E-09	1.45E-08	1.88E-10	1.90E-08	4.82E-10	2.55E-09	4.47E-11	3.07E-09	4.38E-10	1.33E-09	1.35E-11	1.79E-09
1582	470822.32	3818364.33	5.04E-09	1.95E-08	2.59E-10	2.48E-08	4.20E-09	1.44E-08	1.86E-10	1.87E-08	4.76E-10	2.52E-09	4.42E-11	3.04E-09	4.33E-10	1.32E-09	1.34E-11	1.76E-09
1583	470831.09	3818368.09	4.98E-09	1.93E-08	2.56E-10	2.45E-08	4.15E-09	1.42E-08	1.84E-10	1.85E-08	4.70E-10	2.49E-09	4.36E-11	3.00E-09	4.27E-10	1.30E-09	1.32E-11	1.74E-09
1584	470839.85	3818371.85	4.92E-09	1.91E-08	2.53E-10	2.43E-08	4.10E-09	1.40E-08	1.81E-10	1.83E-08	4.65E-10	2.46E-09	4.31E-11	2.96E-09	4.22E-10	1.29E-09	1.30E-11	1.72E-09
1585	470848.61	3818375.61	4.86E-09	1.88E-08	2.50E-10	2.39E-08	4.05E-09	1.38E-08	1.79E-10	1.81E-08	4.59E-10	2.43E-09	4.26E-11	2.93E-09	4.17E-10	1.27E-09	1.29E-11	1.70E-09
1586	470857.37	3818379.37	4.80E-09	1.86E-08	2.47E-10	2.37E-08	4.00E-09	1.37E-08	1.77E-10	1.79E-08	4.53E-10	2.40E-09	4.21E-11	2.89E-09	4.12E-10	1.25E-09	1.27E-11	1.68E-09
1587	470866.13	3818383.13	4.74E-09	1.84E-08	2.44E-10	2.34E-08	3.95E-09	1.35E-08	1.75E-10	1.76E-08	4.48E-10	2.37E-09	4.15E-11	2.86E-09	4.07E-10	1.24E-09	1.26E-11	1.66E-09
1588	470874.9	3818386.89	4.68E-09	1.82E-08	2.41E-10	2.31E-08	3.90E-09	1.33E-08	1.73E-10	1.74E-08	4.42E-10	2.34E-09	4.10E-11	2.82E-09	4.02E-10	1.22E-09	1.24E-11	1.64E-09
1589	470883.66	3818390.65	4.63E-09	1.80E-08	2.38E-10	2.28E-08	3.86E-09	1.32E-08	1.71E-10	1.72E-08	4.37E-10	2.31E-09	4.06E-11	2.79E-09	3.97E-10	1.21E-09	1.23E-11	1.62E-09
1590	470892.42	3818394.41	4.57E-09	1.77E-08	2.35E-10	2.25E-08	3.81E-09	1.30E-08	1.69E-10	1.70E-08	4.32E-10	2.28E-09	4.01E-11	2.76E-09	3.93E-10	1.20E-09	1.21E-11	1.60E-09
1591	470901.18	3818398.17	4.52E-09	1.75E-08	2.32E-10	2.23E-08	3.77E-09	1.29E-08	1.67E-10	1.68E-08	4.27E-10	2.26E-09	3.96E-11	2.73E-09	3.88E-10	1.18E-09	1.20E-11	1.58E-09
1592	470909.94	3818401.93	4.47E-09	1.73E-08	2.30E-10	2.20E-08	3.73E-09	1.27E-08	1.65E-10	1.66E-08	4.22E-10	2.23E-09	3.92E-11	2.69E-09	3.84E-10	1.17E-09	1.19E-11	1.56E-09
1593	470918.71	3818405.69	4.42E-09	1.71E-08	2.27E-10	2.18E-08	3.68E-09	1.26E-08	1.63E-10	1.64E-08	4.18E-10	2.21E-09	3.87E-11	2.66E-09	3.80E-10	1.16E-09	1.17E-11	1.55E-09
1594	470927.47	3818409.45	4.37E-09	1.70E-08	2.25E-10	2.16E-08	3.64E-09	1.25E-08	1.61E-10	1.63E-08	4.13E-10	2.18E-09	3.83E-11	2.64E-09	3.76E-10	1.14E-09	1.16E-11	1.53E-09
1595	470936.23	3818413.22	4.33E-09	1.68E-08	2.22E-10	2.13E-08	3.60E-09	1.23E-08	1.60E-10	1.61E-08	4.09E-10	2.16E-09	3.79E-11	2.61E-09	3.71E-10	1.13E-09	1.15E-11	1.51E-09
1596	470971.28	3818428.26	4.16E-09	1.61E-08	2.14E-10	2.05E-08	3.46E-09	1.19E-08	1.53E-10	1.55E-08	3.93E-10	2.08E-09	3.65E-11	2.51E-09	3.57E-10	1.09E-09	1.10E-11	1.46E-09
1597	470980.04	3818432.02	4.12E-09	1.60E-08	2.12E-10	2.03E-08	3.43E-09	1.18E-08	1.52E-10	1.53E-08	3.89E-10	2.06E-09	3.61E-11	2.48E-09	3.54E-10	1.08E-09	1.09E-11	1.44E-09
1598	470988.8	3818435.78	4.09E-09	1.59E-08	2.10E-10	2.01E-08	3.40E-09	1.16E-08	1.51E-10	1.52E-08	3.86E-10	2.04E-09	3.58E-11	2.46E-09	3.51E-10	1.07E-09	1.08E-11	1.43E-09
1599	470997.57	3818439.54	4.05E-09	1.57E-08	2.08E-10	2.00E-08	3.38E-09	1.16E-08	1.50E-10	1.51E-08	3.83E-10	2.02E-09	3.55E-11	2.44E-09	3.48E-10	1.06E-09	1.07E-11	1.42E-09
1600	471006.33	3818443.3	4.03E-09	1.56E-08	2.07E-10	1.98E-08	3.35E-09	1.15E-08	1.48E-10	1.50E-08	3.80E-10	2.01E-09	3.53E-11	2.42E-09	3.46E-10	1.05E-09	1.07E-11	1.41E-09
1601	471015.09	3818447.06	4.00E-09	1.55E-08	2.05E-10	1.97E-08	3.33E-09	1.14E-08	1.47E-10	1.49E-08	3.77E-10	2.00E-09	3.50E-11	2.41E-09	3.43E-10	1.04E-09	1.06E-11	1.40E-09
1602	471023.85	3818450.82	3.97E-09	1.54E-08	2.04E-10	1.96E-08	3.30E-09	1.13E-08	1.46E-10	1.48E-08	3.75E-10	1.98E-09	3.48E-11	2.39E-09	3.41E-10	1.04E-09	1.05E-11	1.39E-09
1603	471032.61	3818454.58	3.94E-09	1.53E-08	2.03E-10	1.94E-08	3.28E-09	1.12E-08	1.45E-10	1.47E-08	3.72E-10	1.97E-09	3.45E-11	2.37E-09	3.38E-10	1.03E-09	1.04E-11	1.38E-09
1604	471041.38	3818458.34	3.92E-09	1.52E-08	2.01E-10	1.93E-08	3.26E-09	1.12E-08	1.45E-10	1.46E-08	3.70E-10	1.96E-09	3.43E-11	2.36E-09	3.36E-10	1.02E-09	1.04E-11	1.37E-09
1605	471050.14	3818462.11	3.90E-09	1.51E-08	2.00E-10	1.92E-08	3.25E-09	1.11E-08	1.44E-10	1.45E-08	3.68E-10	1.95E-09	3.42E-11	2.35E-09	3.35E-10	1.02E-09	1.03E-11	1.36E-09
1606	471058.9	3818465.87	3.88E-09	1.50E-08	1.99E-10	1.91E-08	3.23E-09	1.10E-08	1.43E-10	1.44E-08	3.66E-10	1.94E-09	3.40E-11	2.34E-09	3.33E-10	1.01E-09	1.03E-11	1.36E-09
1607	471071.22	3818478.47	3.89E-09	1.51E-08	2.00E-10	1.92E-08	3.24E-09	1.11E-08	1.44E-10	1.45E-08	3.68E-10	1.94E-09	3.41E-11	2.35E-09	3.34E-10	1.02E-09	1.03E-11	1.36E-09
1608	471074.78	3818487.32	3.93E-09	1.53E-08	2.02E-10	1.94E-08	3.28E-09	1.12E-08	1.45E-10	1.46E-08	3.72E-10	1.96E-09	3.45E-11	2.37E-09	3.38E-10	1.03E-09	1.04E-11	1.38E-09
1609	471078.35	3818496.16	3.98E-09	1.54E-08	2.04E-10	1.96E-08	3.31E-09	1.13E-08	1.47E-10	1.48E-08	3.76E-10	1.99E-09	3.49E-11	2.40E-09	3.41E-10	1.04E-09	1.05E-11	1.39E-09
1610	471081.91	3818505.01	4.02E-09	1.56E-08	2.07E-10	1.98E-08	3.35E-09	1.15E-08	1.48E-10	1.50E-08	3.80E-10	2.01E-09	3.52E-11	2.42E-09	3.45E-10	1.05E-09	1.07E-11	1.41E-09
1611	471085.47	3818513.85	4.07E-09	1.58E-08	2.09E-10	2.01E-08	3.39E-09	1.16E-08	1.50E-10	1.51E-08	3.84E-10	2.03E-09	3.57E-11	2.45E-09	3.49E-10	1.06E-09	1.08E-11	1.42E-09
1612	471089.03	3818522.7	4.12E-09	1.60E-08	2.11E-10	2.03E-08	3.43E-09	1.17E-08	1.52E-10	1.53E-08	3.89E-10	2.06E-09	3.61E-11	2.48E-09	3.53E-10	1.08E-09	1.09E-11	1.44E-09
1613	471092.59	3818531.54	4.17E-09	1.62E-08	2.14E-10	2.06E-08	3.47E-09	1.19E-08	1.54E-10	1.55E-08	3.94E-10	2.08E-09	3.65E-11	2.51E-09	3.58E-10	1.09E-09	1.11E-11	1.46E-09
1614	471096.15	3818540.39	4.23E-09	1.64E-08	2.17E-10	2.08E-08	3.52E-09	1.20E-08	1.56E-10	1.57E-08	3.99E-10	2.11E-09	3.70E-11	2.55E-09	3.63E-10	1.10E-09	1.12E-11	1.48E-09
1615	471099.71	3818549.23	4.28E-09	1.66E-08	2.20E-10	2.11E-08	3.56E-09	1.22E-08	1.58E-10	1.59E-08	4.04E-10	2.14E-09	3.75E-11	2.58E-09	3.67E-10	1.12E-09	1.13E-11	1.50E-09
1616	471103.27	3818558.08	4.34E-09	1.68E-08	2.23E-10	2.14E-08	3.62E-09	1.24E-08	1.60E-10	1.61E-08	4.10E-10	2.17E-09	3.80E-11	2.62E-09	3.73E-10	1.13E-09	1.15E-11	1.52E-09
1617	471106.83	3818566.92	4.40E-09	1.71E-08	2.26E-10	2.17E-08	3.67E-09	1.25E-08	1.62E-10	1.64E-08	4.16E-10	2.20E-09	3.86E-11	2.65E-09	3.78E-10	1.15E-09	1.17E-11	1.54E-09
1618	471110.39	3818575.77	4.47E-09	1.73E-08	2.30E-10	2.20E-08	3.72E-09	1.27E-08	1.65E-10	1.66E-08	4.22E-10	2.23E-09	3.92E-11	2.69E-09	3.84E-10	1.17E-09	1.18E-11	1.56E-09
1619	471113.95	3818584.61	4.53E-09	1.76E-08	2.33E-10	2.24E-08	3.78E-09	1.29E-08	1.67E-10	1.69E-08	4.28E-10	2.26E-09	3.97E-11	2.73E-09	3.89E-10	1.19E-09	1.20E-11	1.59E-09
1620	471117.52	3818593.46	4.61E-09	1.79E-08	2.37E-10	2.27E-08	3.84E-09	1.31E-08	1.70E-10	1.71E-08	4.35E-10	2.30E-09	4.04E-11	2.78E-09	3.95E-10	1.20E-09	1.22E-11	1.61E-09
1621	471121.08	3818602.3	4.68E-09	1.81E-08	2.40E-10	2.31E-08	3.90E-09	1.33E-08	1.73E-10	1.74E-08	4.42E-10	2.34E-09	4.10E-11	2.82E-09	4.02E-10	1.22E-09	1.24E-11	1.64E-09
1622	471135.32	3818637.69	5.00E-09	1.94E-08	2.57E-10	2.46E-08	4.16E-09	1.42E-08	1.84E-10	1.86E-08	4.72E-10	2.50E-09	4.38E-11	3.01E-09	4.29E-10	1.31E-09	1.33E-11	1.75E-09
1623	471138.88	3818646.53	5.09E-09	1.97E-08	2.61E-10	2.51E-08	4.24E-09	1.45E-08	1.88E-10	1.89E-08	4.80E-10	2.54E-09	4.46E-11	3.06E-09	4.37E-10	1.33E-09	1.35E-11	1.78E-09
1624	471142.44	3818655.38	5.18E-09	2.01E-08	2.66E-10	2.55E-08	4.31E-09	1.48E-08	1.91E-10	1.93E-08	4.89E-10	2.59E-09	4.54E-11	3.12E-09	4.44E-10	1.35E-09	1.37E-11	1.81E-09
1625	471146	3818664.22	5.27E-09	2.04E-08	2.71E-10	2.60E-08	4.39E-09	1.50E-08	1.94E-10	1.96E-08	4.98E-10	2.63E-09	4.62E-11	3.17E-09	4.52E-10	1.38E-09	1.40E-11	1.84E-09
1626	471149.56	3818673.07	5.36E-09	2.08E-08	2.76E-10	2.64E-08	4.47E-09	1.53E-08	1.98E-10	1.99E-08	5.06E-10	2.68E-09	4.70E-11	3.23E-09	4.60E-10	1.40E-09	1.42E-11	1.88E-09
1627	471153.13	3818681.91	5.47E-09	2.12E-08	2.81E-10	2.69E-08	4.55E-09	1.56E-08	2.02E-10	2.03E-08	5.16E-10	2.73E-09	4.79E-11	3.29E-09	4.69E-10	1.43E-09	1.45E-11	1.91E-09
1628	471156.69	3818690.76	5.57E-09	2.16E-08	2.86E-10	2.74E-08	4.64E-09	1.59E-08	2.05E-10	2.07E-08	5.26E-10	2.78E-09	4.88E-11	3.35E-09	4.78E-10	1.46E-09	1.48E-11	1.95E

1629	471160.25	3818699.6	5.67E-09	2.20E-08	2.91E-10	2.79E-08	4.72E-09	1.62E-08	2.09E-10	2.11E-08	5.35E-10	2.83E-09	4.97E-11	3.42E-09	4.87E-10	1.48E-09	1.50E-11	1.98E-09
1630	471163.81	3818708.45	5.78E-09	2.24E-08	2.97E-10	2.85E-08	4.81E-09	1.65E-08	2.13E-10	2.15E-08	5.46E-10	2.88E-09	5.06E-11	3.48E-09	4.96E-10	1.51E-09	1.53E-11	2.02E-09
1631	471167.37	3818717.29	5.89E-09	2.28E-08	3.02E-10	2.90E-08	4.90E-09	1.68E-08	2.17E-10	2.19E-08	5.56E-10	2.94E-09	5.16E-11	3.55E-09	5.05E-10	1.54E-09	1.56E-11	2.06E-09
1632	471170.93	3818726.14	6.00E-09	2.33E-08	3.08E-10	2.96E-08	5.00E-09	1.71E-08	2.21E-10	2.23E-08	5.67E-10	3.00E-09	5.26E-11	3.62E-09	5.15E-10	1.57E-09	1.59E-11	2.10E-09
1633	471174.49	3818734.98	6.12E-09	2.37E-08	3.14E-10	3.02E-08	5.10E-09	1.74E-08	2.26E-10	2.28E-08	5.78E-10	3.06E-09	5.36E-11	3.69E-09	5.25E-10	1.60E-09	1.62E-11	2.14E-09
1634	471178.05	3818743.83	6.24E-09	2.42E-08	3.21E-10	3.08E-08	5.20E-09	1.78E-08	2.30E-10	2.32E-08	5.89E-10	3.12E-09	5.47E-11	3.76E-09	5.36E-10	1.63E-09	1.65E-11	2.18E-09
1635	471181.61	3818752.67	6.36E-09	2.47E-08	3.27E-10	3.14E-08	5.30E-09	1.81E-08	2.35E-10	2.37E-08	6.01E-10	3.18E-09	5.58E-11	3.83E-09	5.46E-10	1.66E-09	1.69E-11	2.23E-09
1636	471185.17	3818761.52	6.49E-09	2.52E-08	3.33E-10	3.20E-08	5.41E-09	1.85E-08	2.39E-10	2.41E-08	6.13E-10	3.24E-09	5.69E-11	3.91E-09	5.57E-10	1.70E-09	1.72E-11	2.27E-09
1637	471188.74	3818770.36	6.62E-09	2.57E-08	3.40E-10	3.26E-08	5.51E-09	1.89E-08	2.44E-10	2.46E-08	6.25E-10	3.30E-09	5.80E-11	3.99E-09	5.68E-10	1.73E-09	1.75E-11	2.32E-09
1638	471192.3	3818779.21	6.75E-09	2.62E-08	3.47E-10	3.33E-08	5.62E-09	1.92E-08	2.49E-10	2.51E-08	6.38E-10	3.37E-09	5.92E-11	4.07E-09	5.80E-10	1.77E-09	1.79E-11	2.36E-09
1639	471195.86	3818788.05	6.89E-09	2.67E-08	3.54E-10	3.40E-08	5.74E-09	1.96E-08	2.54E-10	2.56E-08	6.51E-10	3.44E-09	6.04E-11	4.15E-09	5.92E-10	1.80E-09	1.83E-11	2.41E-09
1640	471199.42	3818796.9	7.03E-09	2.73E-08	3.61E-10	3.46E-08	5.85E-09	2.00E-08	2.59E-10	2.61E-08	6.64E-10	3.51E-09	6.16E-11	4.23E-09	6.03E-10	1.84E-09	1.86E-11	2.46E-09
1641	471202.98	3818805.74	7.17E-09	2.78E-08	3.68E-10	3.53E-08	5.97E-09	2.04E-08	2.64E-10	2.67E-08	6.77E-10	3.58E-09	6.28E-11	4.32E-09	6.16E-10	1.87E-09	1.90E-11	2.51E-09
1642	471206.54	3818814.59	7.32E-09	2.84E-08	3.76E-10	3.61E-08	6.09E-09	2.08E-08	2.70E-10	2.72E-08	6.91E-10	3.65E-09	6.41E-11	4.41E-09	6.28E-10	1.91E-09	1.94E-11	2.56E-09
1643	471210.1	3818823.43	7.46E-09	2.90E-08	3.84E-10	3.68E-08	6.22E-09	2.13E-08	2.75E-10	2.78E-08	7.05E-10	3.73E-09	6.54E-11	4.50E-09	6.41E-10	1.95E-09	1.98E-11	2.61E-09
1644	471213.66	3818832.28	7.62E-09	2.95E-08	3.91E-10	3.76E-08	6.34E-09	2.17E-08	2.81E-10	2.83E-08	7.19E-10	3.80E-09	6.68E-11	4.59E-09	6.54E-10	1.99E-09	2.02E-11	2.67E-09
1645	471217.22	3818841.12	7.77E-09	3.01E-08	3.99E-10	3.83E-08	6.47E-09	2.21E-08	2.87E-10	2.89E-08	7.34E-10	3.88E-09	6.81E-11	4.68E-09	6.67E-10	2.03E-09	2.06E-11	2.72E-09
1646	471220.78	3818849.97	7.93E-09	3.08E-08	4.07E-10	3.91E-08	6.61E-09	2.26E-08	2.92E-10	2.95E-08	7.49E-10	3.96E-09	6.95E-11	4.78E-09	6.81E-10	2.07E-09	2.10E-11	2.77E-09
1647	471224.35	3818858.81	8.09E-09	3.14E-08	4.16E-10	3.99E-08	6.74E-09	2.31E-08	2.99E-10	3.01E-08	7.64E-10	4.04E-09	7.09E-11	4.88E-09	6.95E-10	2.12E-09	2.15E-11	2.83E-09
1648	471227.91	3818867.66	8.26E-09	3.20E-08	4.24E-10	4.07E-08	6.88E-09	2.35E-08	3.05E-10	3.07E-08	7.80E-10	4.12E-09	7.24E-11	4.98E-09	7.09E-10	2.16E-09	2.19E-11	2.89E-09
1649	471231.47	3818876.5	8.43E-09	3.27E-08	4.33E-10	4.16E-08	7.02E-09	2.40E-08	3.11E-10	3.14E-08	7.96E-10	4.21E-09	7.39E-11	5.08E-09	7.24E-10	2.20E-09	2.24E-11	2.95E-09
1650	471235.03	3818885.35	8.60E-09	3.34E-08	4.42E-10	4.24E-08	7.17E-09	2.45E-08	3.17E-10	3.20E-08	8.12E-10	4.30E-09	7.54E-11	5.18E-09	7.39E-10	2.25E-09	2.28E-11	3.01E-09
1651	471238.59	3818894.2	8.78E-09	3.41E-08	4.51E-10	4.33E-08	7.31E-09	2.50E-08	3.24E-10	3.27E-08	8.29E-10	4.38E-09	7.69E-11	5.29E-09	7.54E-10	2.30E-09	2.33E-11	3.07E-09
1652	471242.15	3818903.04	8.96E-09	3.48E-08	4.61E-10	4.42E-08	7.47E-09	2.55E-08	3.31E-10	3.33E-08	8.46E-10	4.47E-09	7.85E-11	5.40E-09	7.69E-10	2.34E-09	2.38E-11	3.14E-09
1653	471245.71	3818911.89	9.15E-09	3.55E-08	4.70E-10	4.51E-08	7.62E-09	2.61E-08	3.37E-10	3.40E-08	8.64E-10	4.57E-09	8.02E-11	5.51E-09	7.85E-10	2.39E-09	2.43E-11	3.20E-09
1654	471249.27	3818920.73	9.33E-09	3.62E-08	4.80E-10	4.60E-08	7.77E-09	2.66E-08	3.44E-10	3.47E-08	8.81E-10	4.66E-09	8.18E-11	5.62E-09	8.01E-10	2.44E-09	2.47E-11	3.27E-09
1655	471252.83	3818929.58	9.53E-09	3.69E-08	4.89E-10	4.70E-08	7.93E-09	2.71E-08	3.51E-10	3.54E-08	9.00E-10	4.76E-09	8.35E-11	5.74E-09	8.18E-10	2.49E-09	2.53E-11	3.33E-09
1656	471263.52	3818956.11	1.01E-08	3.92E-08	5.20E-10	4.99E-08	8.43E-09	2.88E-08	3.73E-10	3.76E-08	9.55E-10	5.05E-09	8.86E-11	6.09E-09	8.68E-10	2.64E-09	2.68E-11	3.54E-09
1657	471267.08	3818964.96	1.03E-08	4.00E-08	5.30E-10	5.09E-08	8.60E-09	2.94E-08	3.81E-10	3.84E-08	9.74E-10	5.15E-09	9.04E-11	6.22E-09	8.86E-10	2.70E-09	2.74E-11	3.61E-09
1658	471270.64	3818973.8	1.05E-08	4.08E-08	5.41E-10	5.19E-08	8.77E-09	3.00E-08	3.88E-10	3.91E-08	9.94E-10	5.25E-09	9.22E-11	6.34E-09	9.03E-10	2.75E-09	2.79E-11	3.68E-09
1659	471274.2	3818982.65	1.07E-08	4.16E-08	5.51E-10	5.29E-08	8.94E-09	3.06E-08	3.96E-10	3.99E-08	1.01E-09	5.36E-09	9.40E-11	6.46E-09	9.21E-10	2.80E-09	2.84E-11	3.75E-09
1660	471277.76	3818991.49	1.09E-08	4.24E-08	5.62E-10	5.39E-08	9.11E-09	3.12E-08	4.03E-10	4.07E-08	1.03E-09	5.46E-09	9.58E-11	6.59E-09	9.39E-10	2.86E-09	2.90E-11	3.83E-09
1661	471281.32	3819000.34	1.11E-08	4.32E-08	5.73E-10	5.49E-08	9.28E-09	3.18E-08	4.11E-10	4.15E-08	1.05E-09	5.56E-09	9.77E-11	6.71E-09	9.57E-10	2.91E-09	2.95E-11	3.90E-09
1662	471284.88	3819009.18	1.14E-08	4.40E-08	5.83E-10	5.60E-08	9.46E-09	3.24E-08	4.19E-10	4.22E-08	1.07E-09	5.67E-09	9.95E-11	6.84E-09	9.75E-10	2.97E-09	3.01E-11	3.97E-09
1663	471288.44	3819018.03	1.16E-08	4.48E-08	5.94E-10	5.70E-08	9.63E-09	3.30E-08	4.26E-10	4.30E-08	1.09E-09	5.77E-09	1.01E-10	6.97E-09	9.93E-10	3.02E-09	3.07E-11	4.05E-09
1664	471313.37	3819079.94	1.30E-08	5.04E-08	6.68E-10	6.41E-08	1.08E-08	3.71E-08	4.80E-10	4.84E-08	1.23E-09	6.49E-09	1.14E-10	7.84E-09	1.12E-09	3.40E-09	3.45E-11	4.55E-09
1665	471316.93	3819088.79	1.32E-08	5.12E-08	6.78E-10	6.51E-08	1.10E-08	3.76E-08	4.87E-10	4.91E-08	1.25E-09	6.59E-09	1.16E-10	7.95E-09	1.13E-09	3.45E-09	3.50E-11	4.62E-09
1666	471320.49	3819097.63	1.34E-08	5.20E-08	6.88E-10	6.60E-08	1.12E-08	3.82E-08	4.94E-10	4.98E-08	1.26E-09	6.69E-09	1.17E-10	8.07E-09	1.15E-09	3.50E-09	3.55E-11	4.69E-09
1667	471324.05	3819106.48	1.36E-08	5.27E-08	6.98E-10	6.70E-08	1.13E-08	3.87E-08	5.01E-10	5.05E-08	1.28E-09	6.78E-09	1.19E-10	8.18E-09	1.17E-09	3.55E-09	3.60E-11	4.75E-09
1668	471327.61	3819115.32	1.38E-08	5.34E-08	7.08E-10	6.79E-08	1.15E-08	3.92E-08	5.08E-10	5.12E-08	1.30E-09	6.87E-09	1.21E-10	8.30E-09	1.18E-09	3.60E-09	3.65E-11	4.82E-09
1669	471331.18	3819124.17	1.40E-08	5.41E-08	7.17E-10	6.88E-08	1.16E-08	3.98E-08	5.15E-10	5.19E-08	1.32E-09	6.97E-09	1.22E-10	8.41E-09	1.20E-09	3.65E-09	3.70E-11	4.88E-09
1670	471334.74	3819133.01	1.41E-08	5.48E-08	7.26E-10	6.97E-08	1.18E-08	4.03E-08	5.21E-10	5.26E-08	1.33E-09	7.05E-09	1.24E-10	8.51E-09	1.21E-09	3.69E-09	3.75E-11	4.94E-09
1671	471341.86	3819150.7	1.45E-08	5.61E-08	7.44E-10	7.13E-08	1.21E-08	4.12E-08	5.34E-10	5.38E-08	1.37E-09	7.23E-09	1.27E-10	8.72E-09	1.24E-09	3.78E-09	3.84E-11	5.06E-09
1672	471345.42	3819159.55	1.46E-08	5.68E-08	7.52E-10	7.21E-08	1.22E-08	4.17E-08	5.40E-10	5.44E-08	1.38E-09	7.31E-09	1.28E-10	8.82E-09	1.26E-09	3.83E-09	3.88E-11	5.12E-09
1673	471348.98	3819168.4	1.48E-08	5.74E-08	7.60E-10	7.29E-08	1.23E-08	4.22E-08	5.46E-10	5.50E-08	1.40E-09	7.38E-09	1.30E-10	8.91E-09	1.27E-09	3.87E-09	3.92E-11	5.18E-09
1674	471352.54	3819177.24	1.49E-08	5.79E-08	7.68E-10	7.37E-08	1.24E-08	4.26E-08	5.51E-10	5.56E-08	1.41E-09	7.46E-09	1.31E-10	9.00E-09	1.28E-09	3.91E-09	3.96E-11	5.23E-09
1675	471356.1	3819186.09	1.51E-08	5.85E-08	7.75E-10	7.44E-08	1.26E-08	4.30E-08	5.56E-10	5.61E-08	1.42E-09	7.53E-09	1.32E-10	9.09E-09	1.30E-09	3.94E-09	4.00E-11	5.28E-09
1676	471359.66	3819194.93	1.52E-08	5.90E-08	7.82E-10	7.50E-08	1.27E-08	4.34E-08	5.61E-10	5.66E-08	1.44E-09	7.60E-09	1.33E-10	9.17E-09	1.31E-09	3.98E-09	4.03E-11	5.33E-09
1677	471363.22	3819203.78	1.54E-08	5.95E-08	7.89E-10	7.57E-08	1.28E-08	4.37E-08	5.66E-10	5.71E-08	1.45E-09	7.66E-09	1.35E-10	9.25E-09	1.32E-09	4.01E-09	4.07E-11	5.37E-09
1678	471366.79	3819212.62	1.55E-08	6.00E-08	7.95E-10	7.63E-08	1.29E-08	4.41E-08	5.71E-10	5.75E-08	1.46E-09	7.72E-09	1.36E-10	9.32E-09	1.33E-09	4.04E-09	4.10E-11	5.41E-09
1679	471370.35	3819221.47	1.56E-08	6.05E-08	8.01E-10	7.68E-08	1.30E-08	4.44E-08	5.75E-10	5.80E-08	1.47E-09	7.78E-09	1.37E-10	9.39E-09	1.34E-09	4.07E-09	4.13E-11	5.45E-09
1680	470248.79	3818138	9.54E-09	3.70E-08	4.90E-10	4.70E-08	7.94E-09	2.72E-08	3.52E-10	3.55E-08	9.01E-10	4.76E-09	8.36E-11	5.75E-09	8.19E-10	2.49E-09	2.53E-11	3.34E-09
1681	470239.22	3818137.87	9.63E-09	3.74E-08	4.95E-10	4.75E-08	8.02E-09	2.74E-08	3.55E-10	3.58E-08	9.10E-10	4.81E-09	8.44E-11	5.80E-09	8.27E-10	2.52E-09	2.55E-11	3.37E-09
1682	470229.66	3818137.73	9.72E-09	3.77E-08	4.99E-10	4.79E-08	8.09E-09	2.77E-08	3.58E-10	3.61E-08	9.17E-10	4.85E-09	8.51E-11	5.85E-09	8.34E-10	2.54E-09	2.58E-11	3.40E-09
1683	470220.1	3818137.6	9.80E-09	3.80E-08	5.03E-10	4.83E-08	8.16E-09	2.79E-08	3.61E-10	3.64E-08	9.25E-10	4.89E-09	8.59E-11	5.90E-09	8.41E-10	2.56E-09	2.60E-11	3.43E-09
1684	470210.54	3818137.46	9.88E-09	3.83E-08	5.08E-10	4.87E-08	8.23E-09	2.82E-08	3.64E-10	3.67E-08	9.33E-10	4.93E-09	8.66E-11	5.95E-09	8.48E-10	2.58E-09	2.62E-11	3.46E-09
1685	470200.98	3818137.33	9.95E-09	3.86E-08	5.11E-10	4.90E-08	8.29E-09	2.84E-08	3.67E-10	3.70E-08	9.39E-10	4.97E-09	8.72E-11	5.99E-09	8.54E-10	2.60E-09	2.64E-11	3.48E-09
1686	470191.41	3818137.19	1.00E-08	3.88E-08	5.15E-10	4.94E-08	8.34E-09	2.85E-08	3.69E-10	3.72E-08	9.46E-10	5.00E-09	8.78E-11	6.03E-09	8.60E-10	2.62E-09	2.65E-11	3.50E-09
1687	470181.85	3818137.06	1.01E-08	3.91E-08	5.18E-10	4.97E-08	8.39E-09	2.87E-08	3.72E-10	3.75E-08	9.51E-10	5.03E-09	8.83E-11	6.07E-09	8.65E-10	2.63E-09	2.67E-11	3.53E-09
1688	470172.29	3818136.92	1.01E-08	3.93E-08	5.20E-10	4.99E-08	8.43E-09	2.88E-08	3.73E-10	3.77E-08	9.56E-10	5.05E-09	8.87E-11	6.10E-09	8.69E-10	2.65E-09	2.68E-11	3.54E-09
1689	470162.73	3818136.79	1.02E-08	3.94E-08	5.22E-10	5.01E-08	8.47E-09	2.90E-08	3.75E-10	3.78E-08	9.60E-10	5.07E-09	8.91E-11	6.12E-09	8.72E-10	2.66E-09	2.69E-11	3.56E-09
1690	470153.16	3818136.65	1.02E-08	3.95E-08	5.24E-10	5.02E-08	8.49E-09	2.90E-08	3.76E-10	3.79E-08	9.62E-10	5.09E-09	8.93E-11	6.14E-09	8.75E-10	2.66E-09	2.70E-11	3.57E-09
1691	470143.6	3818136.52	1.02E-08	3.96E-08	5.25E-10	5.03E-08	8.50E-09	2.91E-08	3.77E-10	3.80E-08	9.64E-10	5.10E-09	8.95E-11	6.15E-09	8.76E-10	2.67E-09	2.71E-11	3.57E-09
1692	470134.04	3818136.38	1.02E-08	3.96E-08	5.25E-10	5.04E-08	8.51E-09	2.91E-08	3.77E-10	3.80E-08	9.65E-10	5.10E-09	8.95E-11	6.16E-09	8.77E-10	2.67E-09	2.71E-11	3.58E-09
1693	470124.48	3818136.25	1.02E-08	3.96E-08	5.25E-10	5.03E-08	8.50E-09	2.91E-08	3.77E-10	3.80E-08	9.64E-10	5.10E-09	8.95E-11	6.15E-09	8.76E-10	2.67E-09	2.71E-11	3.57E-09
1694	470445.74	3818122.22	6.89E-09	2.67E-08	3.54E-10	3.40E-08	5.74E-09	1.96E-08	2.54E-10	2.56E-08	6.51E-10	3.44E-09	6.04E-11	4.15E-09	5.92E-10	1.80E-09	1.83E-11	2.41E-09
1695	470454.45	3818125.95	6.83E-09	2.65E-08	3.51E-10	3.37E-08	5.69E-09	1.95E-08	2.52E-10	2.54E-08	6.45E-10	3.41E-09	5.98E-11	4.11E-09	5.86E-10	1.79E-09	1.81E-11	2.39E-09
1696	470463.16	3818129.69	6.76E-09	2.62E-08	3.47E-10	3.33E-08	5.63E-09	1.93E-08	2.49E-10	2.52E-08	6.39E-10	3.38E-09	5.93E-11	4.07E-09	5.81E-10	1.77E-09	1.79E-11	2.37E-09
1697	470471.86	3818133.43	6.70E-09	2.60E-08	3.44E-10	3.30E-08	5.58E-09	1.91E-08	2.47E-10	2.49E-08	6.32E-10	3.34E-09	5.87E-11	4.04E-09	5.75E-10	1.75E-09	1.78E-11	2.34E-09
1698	470480.57	3818137.16	6.64E-09	2.58E-08	3.41E-10	3.27E-08	5.53E-09	1.89E-08	2.45E-10	2.47E-08	6.27E-10	3.31E-09	5.82E-11	4.00E-09	5.70E-10	1.74E-09	1.76E-11	2.32E-09
1699	470489.28	3818140.9	6.58E-09	2.55E-08	3.38E-10	3.25E-08	5.48E-09	1.88E-08	2.43E-10	2.45E-08	6.22E-10	3.29E-09	5.77E-11	3.97E-09	5.65E-10	1.72E-09	1.75E-11	2.30E-09
1700	470497.98	3818144.64	6.53E-09	2.53E-08	3.36E-10	3.22E-08	5.44E-09	1.86E-08	2.41E-10	2.43E-08	6.17E-10	3.26E-09	5.73E-11	3.94E-09	5.61E-10	1.71E-09	1.73E-11	2.29E-09
1701	470506.69	3818148.38	6.47E-09	2.51E-08	3.33E-10	3.19E-08	5.39E-09	1.84E-08	2.39E-10	2.41E-08	6.11E-10	3.23E-09	5.67E-11	3.90E-09	5.56E-10	1.69E-09	1.72E-11	2.26E-09
1702	470515.4	3818152.11	6.41E-09	2.49E-08	3.29E-10	3.16E-08	5.34E-09	1.83E-08	2.36E-10	2.38E-08	6.05E-10	3.20E-09	5.62E-11	3.86E-09	5.50E-10	1.68E-09	1.70E-11	2.24E-09
1703	470524.1	3818155.85	6.35E-09	2.46E-08	3.26E-10	3.13E-08	5.29E-09	1.81E-08	2.34E-10	2.36E-08	6.00E-10	3.17E-09	5.57E-11	3.83E-09	5.45E-10	1.66E-09	1.68E-11	2.22E-09
1704	470532.81	3818159.59	6.30E-09	2.44E-08	3.24E-10	3.11E-08	5.25E-09	1.80E-08	2.32E-10	2.34E-08	5.95E-10	3.15E-09	5.52E-11	3.80E-09	5.41E-10	1.65E-09	1.67E-11	2.20E-09
1705	470541.52	3818163.32	6.25E-09	2.43E-08	3.21E-10	3.08E-08	5.21E-09	1.78E-08	2.31E-10	2.33E-08	5.91E-10	3.12E-09	5.48E-11	3.77E-09	5.37E-10	1.63E-09	1.66E-11	2.19E-09
1706	470550.22	3818167.06	6.21E-09	2.41E-08	3.19E-10	3.06E-08	5.18E-09	1.77E-08	2.29E-10	2.31E-08	5.87E-10	3.10E-09	5.45E-11	3.74E-09	5.33E-10	1.62E-09	1.65E-11	2.17E-09
1707	470558.93	3818170.8	6.17E-09	2.39E-08	3.17E-10	3.04E-08	5.14E-09	1.76E-08	2.28E-10	2.30E-08	5.83E-10	3.08E-09	5.41E-11	3.72E-09	5.30E-10	1.61E-09	1.64E-11	2.16E-09
1708	470567.64	3818174.54	6.12E-09	2.37E-08	3.14E-10	3.02E-08	5.09E-09	1.74E-08	2.26E-10	2.27E-08	5.78E-10	3.05E-09	5.36E-11	3.68E-09	5.25E-10	1.60E-09	1.62E-11	2.14E-09
1709	470576.34	3818178.27	6.06E-09	2.35E-08	3.11E-10	2.99E-08	5.05E-09	1.73E-08	2.24E-10	2.25E-08	5.72E-10	3.03E-09	5.31E-11	3.65E-09	5.20E-10	1.58E-09	1.61E-11	2.12E-09
1710	470585.05	3818182.01	6.01E-09	2.33E-08	3.09E-10	2.96E-08	5.01E-09	1.71E-08	2.22E-10	2.24E-08	5.68E-10	3.00E-09	5.27E-11	3.62E-09	5.16E-10	1.57E-09	1.59E-11	2.10E-09
1711	470593.76	3818185.75	5.96E-09	2.31E-08	3.06E-10	2.94E-08	4.96E-09	1.70E-08	2.20E-10	2.22E-08	5.63E-10	2.98E-09	5.22E-11	3.59E-09	5.12E-10	1.56E-09	1.58E-11	2.09E-09
1712	470602.46	3818189.48	5.91E-09	2.29E-08	3.04E-10	2.91E-08	4.92E-09	1.68E-08	2.18E-10	2.20E-08	5.58E-10	2.95E-09	5.18E-11	3.56E-09	5.07E-10	1.54E-09	1.57E-11	2.07E-09
1713	470611.17	3818193.22	5.86E-09	2.27E-08	3.01E-10	2.89E-08	4.88E-09	1.67E-08	2.16E-10	2.18E-08	5.53E-10	2.92E-09	5.13E-11	3.53E-09	5.03E-10	1.53E-09	1.55E-11	2.05E-09
1714	470619.88	3818196.96	5.81E-09	2.25E-08	2.98E-10	2.86E-08	4.84E-09	1.65E-08	2.14E-10	2.16E-08	5.48E-10	2.90E-09	5.09E-11	3.50E-09	4.98E-10	1.52E-09	1.54E-11	2.03E-09
1715	470628.58	3818200.69	5.76E-09	2.23E-08	2.96E-10	2.84E-08	4.79E-09	1.64E-08	2.12E-10	2.14E-08	5.44E-10	2.87E-09	5.04E-11	3.47E-09	4.94E-10	1.50E-09	1.53E-11	2.01E-09
1716	470637.29	3818204.43	5.70E-09	2.21E-08	2.93E-10	2.81E-08	4.75E-09	1.63E-08	2.10E-10	2.12E-08	5.39E-10	2.85E-09	5.00E-11	3.44E-09	4.90E-10	1.49E-09	1.51E-11	2.00E-09
1717	470646	3818208.17	5.65E-09	2.19E-08	2.91E-10	2.79E-08	4.71E-09	1.61E-08	2.09E-10	2.10E-08	5.34E-10	2.82E-09	4.95E-11	3.41E-09	4.85E-10	1.48E-09	1.50E-11	1.98E-09
1718	470654.7	3818211.91	5.60E-09	2.17E-08	2.88E-10	2.76E-08	4.67E-09	1.60E-08	2.07E-10	2.08E-08	5.29E-10	2.80E-09	4.91E-11	3.38E-09	4.81E-10	1.46E-09	1.49E-11	1.96E-09
1719	470663.41	3818215.64	5.55E-09	2.15E-08	2.85E-10	2.74E-08	4.62E-09	1.58E-08	2.05E-10	2.07E-08	5.24E-10	2.77E-09	4.87E-11	3.35E-09	4.77E-10	1.45E-09	1.47E-11	1.94E-09
1720	470672.12	3818219.38	5.51E-09	2.14E-08	2.83E-10	2.71E-08	4.59E-09	1.57E-08	2.03E-10	2.05E-08	5.20E-10	2.75E-09	4.82E-11	3.32E-09	4.73E-10	1.44E-09	1.46E-11	1.93E-09
1721	470680.82	3818223.12	5.45E-09	2.12E-08	2.80E-10	2.69E-08	4.54E-09	1.55E-08	2.01E-10	2.03E-08	5.15E-10	2.72E-09	4.78E-11	3.29E-09	4.68E-10	1.43E-09	1.45E-11	1.91E-09
1722	470689.53	3818226.85	5.40E-09	2.10E-08	2.78E-10	2.66E-08	4.50E-09	1.54E-08	1.99E-10	2.01E-08	5.10E-10	2.70E-09	4.73E-11	3.26E-09	4.64E-10	1.41E-09	1.43E-11	1.89E-09
1723	470698.24	3818230.59	5.35E-09	2.08E-08	2.75E-10	2.64E-08	4.46E-09	1.53E-08	1.97E-10	1.99E-08	5.05E-10	2.67E-09	4.69E-11	3.22E-09	4.59E-10	1.40E-09	1.42E-11	1.87E-09
1724	470706.94	3818234.33	5.31E-09	2.06E-08	2.73E-10	2.62E-08	4.42E-09	1.51E-08	1.96E-10	1.97E-08	5.01E-10	2.65E-09	4.65E-11	3.20E-09	4.55E-10	1.39E-09	1.41E-11	1.86E

1725	470715.65	3818238.06	5.25E-09	2.04E-08	2.70E-10	2.59E-08	4.38E-09	1.50E-08	1.94E-10	1.95E-08	4.96E-10	2.62E-09	4.60E-11	3.17E-09	4.51E-10	1.37E-09	1.39E-11	1.84E-09
1726	470724.36	3818241.8	5.20E-09	2.02E-08	2.67E-10	2.57E-08	4.33E-09	1.48E-08	1.92E-10	1.94E-08	4.91E-10	2.60E-09	4.56E-11	3.13E-09	4.47E-10	1.36E-09	1.38E-11	1.82E-09
1727	470733.07	3818245.54	5.15E-09	2.00E-08	2.65E-10	2.54E-08	4.29E-09	1.47E-08	1.90E-10	1.92E-08	4.87E-10	2.57E-09	4.52E-11	3.10E-09	4.42E-10	1.35E-09	1.37E-11	1.80E-09
1728	470741.77	3818249.28	5.10E-09	1.98E-08	2.62E-10	2.51E-08	4.25E-09	1.45E-08	1.88E-10	1.90E-08	4.82E-10	2.55E-09	4.47E-11	3.07E-09	4.38E-10	1.33E-09	1.35E-11	1.79E-09
1729	470750.48	3818253.01	5.05E-09	1.96E-08	2.60E-10	2.49E-08	4.21E-09	1.44E-08	1.86E-10	1.88E-08	4.77E-10	2.52E-09	4.43E-11	3.04E-09	4.34E-10	1.32E-09	1.34E-11	1.77E-09
1730	470759.19	3818256.75	5.00E-09	1.94E-08	2.57E-10	2.46E-08	4.16E-09	1.42E-08	1.84E-10	1.86E-08	4.72E-10	2.50E-09	4.38E-11	3.01E-09	4.29E-10	1.31E-09	1.33E-11	1.75E-09
1731	470767.89	3818260.49	4.95E-09	1.92E-08	2.54E-10	2.44E-08	4.12E-09	1.41E-08	1.83E-10	1.84E-08	4.67E-10	2.47E-09	4.34E-11	2.98E-09	4.25E-10	1.29E-09	1.31E-11	1.73E-09
1732	470776.6	3818264.22	4.90E-09	1.90E-08	2.52E-10	2.41E-08	4.08E-09	1.40E-08	1.81E-10	1.82E-08	4.62E-10	2.45E-09	4.29E-11	2.95E-09	4.20E-10	1.28E-09	1.30E-11	1.71E-09
1733	470785.31	3818267.96	4.84E-09	1.88E-08	2.49E-10	2.39E-08	4.03E-09	1.38E-08	1.79E-10	1.80E-08	4.57E-10	2.42E-09	4.24E-11	2.92E-09	4.16E-10	1.27E-09	1.28E-11	1.69E-09
1734	470794.01	3818271.7	4.79E-09	1.86E-08	2.46E-10	2.36E-08	3.99E-09	1.37E-08	1.77E-10	1.78E-08	4.53E-10	2.39E-09	4.20E-11	2.89E-09	4.11E-10	1.25E-09	1.27E-11	1.68E-09
1735	470802.72	3818275.43	4.74E-09	1.84E-08	2.44E-10	2.34E-08	3.95E-09	1.35E-08	1.75E-10	1.76E-08	4.48E-10	2.37E-09	4.15E-11	2.86E-09	4.07E-10	1.24E-09	1.26E-11	1.66E-09
1736	470811.43	3818279.17	4.69E-09	1.82E-08	2.41E-10	2.31E-08	3.91E-09	1.34E-08	1.73E-10	1.74E-08	4.43E-10	2.34E-09	4.11E-11	2.83E-09	4.03E-10	1.23E-09	1.24E-11	1.64E-09
1737	470820.13	3818282.91	4.64E-09	1.80E-08	2.38E-10	2.29E-08	3.86E-09	1.32E-08	1.71E-10	1.73E-08	4.38E-10	2.32E-09	4.07E-11	2.80E-09	3.98E-10	1.21E-09	1.23E-11	1.62E-09
1738	470828.84	3818286.65	4.59E-09	1.78E-08	2.36E-10	2.26E-08	3.82E-09	1.31E-08	1.69E-10	1.71E-08	4.33E-10	2.29E-09	4.02E-11	2.76E-09	3.94E-10	1.20E-09	1.22E-11	1.60E-09
1739	470837.55	3818290.38	4.53E-09	1.76E-08	2.33E-10	2.24E-08	3.78E-09	1.29E-08	1.67E-10	1.69E-08	4.28E-10	2.26E-09	3.97E-11	2.73E-09	3.89E-10	1.19E-09	1.20E-11	1.59E-09
1740	470846.25	3818294.12	4.48E-09	1.74E-08	2.30E-10	2.21E-08	3.73E-09	1.28E-08	1.65E-10	1.67E-08	4.23E-10	2.24E-09	3.93E-11	2.70E-09	3.85E-10	1.17E-09	1.19E-11	1.57E-09
1741	470854.96	3818297.86	4.44E-09	1.72E-08	2.28E-10	2.19E-08	3.69E-09	1.26E-08	1.64E-10	1.65E-08	4.19E-10	2.21E-09	3.89E-11	2.67E-09	3.81E-10	1.16E-09	1.18E-11	1.55E-09
1742	470863.67	3818301.59	4.39E-09	1.70E-08	2.25E-10	2.16E-08	3.65E-09	1.25E-08	1.62E-10	1.63E-08	4.14E-10	2.19E-09	3.84E-11	2.64E-09	3.76E-10	1.15E-09	1.16E-11	1.53E-09
1743	470872.37	3818305.33	4.33E-09	1.68E-08	2.23E-10	2.14E-08	3.61E-09	1.24E-08	1.60E-10	1.61E-08	4.09E-10	2.16E-09	3.80E-11	2.61E-09	3.72E-10	1.13E-09	1.15E-11	1.52E-09
1744	470881.08	3818309.07	4.28E-09	1.66E-08	2.20E-10	2.11E-08	3.57E-09	1.22E-08	1.58E-10	1.59E-08	4.04E-10	2.14E-09	3.75E-11	2.58E-09	3.68E-10	1.12E-09	1.14E-11	1.50E-09
1745	470889.79	3818312.8	4.23E-09	1.64E-08	2.17E-10	2.09E-08	3.53E-09	1.21E-08	1.56E-10	1.57E-08	4.00E-10	2.11E-09	3.71E-11	2.55E-09	3.63E-10	1.11E-09	1.12E-11	1.48E-09
1746	470898.49	3818316.54	4.19E-09	1.62E-08	2.15E-10	2.06E-08	3.49E-09	1.19E-08	1.54E-10	1.56E-08	3.95E-10	2.09E-09	3.67E-11	2.52E-09	3.59E-10	1.09E-09	1.11E-11	1.46E-09
1747	470907.2	3818320.28	4.14E-09	1.60E-08	2.13E-10	2.04E-08	3.45E-09	1.18E-08	1.53E-10	1.54E-08	3.91E-10	2.07E-09	3.63E-11	2.49E-09	3.55E-10	1.08E-09	1.10E-11	1.45E-09
1748	470915.91	3818324.02	4.09E-09	1.59E-08	2.10E-10	2.02E-08	3.41E-09	1.17E-08	1.51E-10	1.52E-08	3.86E-10	2.04E-09	3.58E-11	2.46E-09	3.51E-10	1.07E-09	1.08E-11	1.43E-09
1749	470924.61	3818327.75	4.04E-09	1.57E-08	2.08E-10	1.99E-08	3.37E-09	1.15E-08	1.49E-10	1.50E-08	3.82E-10	2.02E-09	3.54E-11	2.44E-09	3.47E-10	1.06E-09	1.07E-11	1.41E-09
1750	470933.32	3818331.49	4.00E-09	1.55E-08	2.05E-10	1.97E-08	3.33E-09	1.14E-08	1.47E-10	1.49E-08	3.77E-10	2.00E-09	3.50E-11	2.41E-09	3.43E-10	1.04E-09	1.06E-11	1.40E-09
1751	470942.03	3818335.23	3.95E-09	1.53E-08	2.03E-10	1.95E-08	3.29E-09	1.13E-08	1.46E-10	1.47E-08	3.73E-10	1.97E-09	3.46E-11	2.38E-09	3.39E-10	1.03E-09	1.05E-11	1.38E-09
1752	470950.73	3818338.96	3.91E-09	1.52E-08	2.01E-10	1.93E-08	3.26E-09	1.11E-08	1.44E-10	1.45E-08	3.69E-10	1.95E-09	3.43E-11	2.35E-09	3.36E-10	1.02E-09	1.04E-11	1.37E-09
1753	470959.44	3818342.7	3.87E-09	1.50E-08	1.99E-10	1.91E-08	3.22E-09	1.10E-08	1.43E-10	1.44E-08	3.65E-10	1.93E-09	3.39E-11	2.33E-09	3.32E-10	1.01E-09	1.03E-11	1.35E-09
1754	470968.15	3818346.44	3.83E-09	1.48E-08	1.97E-10	1.89E-08	3.19E-09	1.09E-08	1.41E-10	1.42E-08	3.61E-10	1.91E-09	3.35E-11	2.30E-09	3.28E-10	1.00E-09	1.01E-11	1.34E-09
1755	470976.85	3818350.17	3.79E-09	1.47E-08	1.95E-10	1.87E-08	3.16E-09	1.08E-08	1.40E-10	1.41E-08	3.58E-10	1.89E-09	3.32E-11	2.28E-09	3.25E-10	9.90E-10	1.00E-11	1.33E-09
1756	470985.56	3818353.91	3.75E-09	1.45E-08	1.93E-10	1.85E-08	3.12E-09	1.07E-08	1.38E-10	1.39E-08	3.54E-10	1.87E-09	3.29E-11	2.26E-09	3.22E-10	9.80E-10	9.94E-12	1.31E-09
1757	470994.27	3818357.65	3.71E-09	1.44E-08	1.91E-10	1.83E-08	3.09E-09	1.06E-08	1.37E-10	1.38E-08	3.51E-10	1.85E-09	3.25E-11	2.24E-09	3.19E-10	9.70E-10	9.84E-12	1.30E-09
1758	471029.09	3818372.6	3.57E-09	1.39E-08	1.84E-10	1.76E-08	2.98E-09	1.02E-08	1.32E-10	1.33E-08	3.38E-10	1.78E-09	3.13E-11	2.15E-09	3.07E-10	9.34E-10	9.48E-12	1.25E-09
1759	471037.8	3818376.33	3.55E-09	1.38E-08	1.82E-10	1.75E-08	2.95E-09	1.01E-08	1.31E-10	1.32E-08	3.35E-10	1.77E-09	3.11E-11	2.14E-09	3.04E-10	9.27E-10	9.40E-12	1.24E-09
1760	471046.51	3818380.07	3.52E-09	1.36E-08	1.81E-10	1.73E-08	2.93E-09	1.00E-08	1.30E-10	1.31E-08	3.32E-10	1.76E-09	3.08E-11	2.12E-09	3.02E-10	9.19E-10	9.32E-12	1.23E-09
1761	471055.21	3818383.81	3.49E-09	1.35E-08	1.79E-10	1.72E-08	2.91E-09	9.95E-09	1.29E-10	1.30E-08	3.30E-10	1.74E-09	3.06E-11	2.10E-09	3.00E-10	9.13E-10	9.25E-12	1.22E-09
1762	471063.92	3818387.55	3.47E-09	1.34E-08	1.78E-10	1.71E-08	2.89E-09	9.88E-09	1.28E-10	1.29E-08	3.27E-10	1.73E-09	3.04E-11	2.09E-09	2.97E-10	9.06E-10	9.19E-12	1.21E-09
1763	471072.63	3818391.28	3.44E-09	1.33E-08	1.77E-10	1.70E-08	2.87E-09	9.80E-09	1.27E-10	1.28E-08	3.25E-10	1.72E-09	3.01E-11	2.07E-09	2.95E-10	8.99E-10	9.12E-12	1.20E-09
1764	471081.34	3818395.02	3.42E-09	1.33E-08	1.76E-10	1.68E-08	2.85E-09	9.74E-09	1.26E-10	1.27E-08	3.23E-10	1.71E-09	3.00E-11	2.06E-09	2.93E-10	8.93E-10	9.06E-12	1.20E-09
1765	471090.04	3818398.76	3.40E-09	1.32E-08	1.75E-10	1.68E-08	2.83E-09	9.69E-09	1.25E-10	1.26E-08	3.21E-10	1.70E-09	2.98E-11	2.05E-09	2.92E-10	8.89E-10	9.01E-12	1.19E-09
1766	471098.75	3818402.49	3.38E-09	1.31E-08	1.74E-10	1.67E-08	2.82E-09	9.64E-09	1.25E-10	1.26E-08	3.19E-10	1.69E-09	2.96E-11	2.04E-09	2.90E-10	8.84E-10	8.96E-12	1.18E-09
1767	471107.46	3818406.23	3.36E-09	1.30E-08	1.73E-10	1.66E-08	2.80E-09	9.58E-09	1.24E-10	1.25E-08	3.18E-10	1.68E-09	2.95E-11	2.03E-09	2.89E-10	8.79E-10	8.92E-12	1.18E-09
1768	471116.16	3818409.97	3.35E-09	1.30E-08	1.72E-10	1.65E-08	2.79E-09	9.53E-09	1.23E-10	1.24E-08	3.16E-10	1.67E-09	2.93E-11	2.02E-09	2.87E-10	8.74E-10	8.87E-12	1.17E-09
1769	471128.41	3818422.49	3.36E-09	1.30E-08	1.73E-10	1.66E-08	2.80E-09	9.58E-09	1.24E-10	1.25E-08	3.18E-10	1.68E-09	2.95E-11	2.03E-09	2.89E-10	8.79E-10	8.92E-12	1.18E-09
1770	471131.95	3818431.28	3.39E-09	1.32E-08	1.74E-10	1.67E-08	2.83E-09	9.67E-09	1.25E-10	1.26E-08	3.20E-10	1.69E-09	2.97E-11	2.04E-09	2.91E-10	8.87E-10	8.99E-12	1.19E-09
1771	471135.48	3818440.07	3.43E-09	1.33E-08	1.76E-10	1.69E-08	2.86E-09	9.77E-09	1.26E-10	1.28E-08	3.24E-10	1.71E-09	3.00E-11	2.07E-09	2.94E-10	8.96E-10	9.09E-12	1.20E-09
1772	471139.02	3818448.86	3.47E-09	1.34E-08	1.78E-10	1.71E-08	2.89E-09	9.88E-09	1.28E-10	1.29E-08	3.27E-10	1.73E-09	3.04E-11	2.09E-09	2.97E-10	9.06E-10	9.19E-12	1.21E-09
1773	471142.56	3818457.65	3.50E-09	1.36E-08	1.80E-10	1.73E-08	2.92E-09	9.98E-09	1.29E-10	1.30E-08	3.31E-10	1.75E-09	3.07E-11	2.11E-09	3.01E-10	9.15E-10	9.28E-12	1.23E-09
1774	471146.1	3818466.44	3.54E-09	1.37E-08	1.82E-10	1.75E-08	2.95E-09	1.01E-08	1.31E-10	1.32E-08	3.34E-10	1.77E-09	3.10E-11	2.13E-09	3.04E-10	9.26E-10	9.39E-12	1.24E-09
1775	471149.64	3818475.23	3.58E-09	1.39E-08	1.84E-10	1.77E-08	2.98E-09	1.02E-08	1.32E-10	1.33E-08	3.38E-10	1.79E-09	3.14E-11	2.16E-09	3.07E-10	9.36E-10	9.49E-12	1.25E-09
1776	471153.18	3818484.02	3.63E-09	1.41E-08	1.86E-10	1.79E-08	3.02E-09	1.03E-08	1.34E-10	1.35E-08	3.42E-10	1.81E-09	3.18E-11	2.18E-09	3.11E-10	9.48E-10	9.61E-12	1.27E-09
1777	471156.72	3818492.81	3.67E-09	1.42E-08	1.89E-10	1.81E-08	3.06E-09	1.05E-08	1.35E-10	1.37E-08	3.47E-10	1.83E-09	3.22E-11	2.21E-09	3.15E-10	9.60E-10	9.74E-12	1.29E-09
1778	471163.79	3818510.39	3.77E-09	1.46E-08	1.94E-10	1.86E-08	3.14E-09	1.07E-08	1.39E-10	1.40E-08	3.56E-10	1.88E-09	3.30E-11	2.27E-09	3.23E-10	9.85E-10	9.99E-12	1.32E-09
1779	471167.33	3818519.18	3.82E-09	1.48E-08	1.96E-10	1.88E-08	3.18E-09	1.09E-08	1.41E-10	1.42E-08	3.61E-10	1.91E-09	3.35E-11	2.30E-09	3.28E-10	9.98E-10	1.01E-11	1.34E-09
1780	471170.87	3818527.97	3.87E-09	1.50E-08	1.99E-10	1.91E-08	3.23E-09	1.10E-08	1.43E-10	1.44E-08	3.66E-10	1.93E-09	3.39E-11	2.33E-09	3.32E-10	1.01E-09	1.03E-11	1.36E-09
1781	471174.41	3818536.75	3.93E-09	1.52E-08	2.02E-10	1.94E-08	3.27E-09	1.12E-08	1.45E-10	1.46E-08	3.71E-10	1.96E-09	3.44E-11	2.37E-09	3.37E-10	1.03E-09	1.04E-11	1.37E-09
1782	471177.95	3818545.54	3.99E-09	1.55E-08	2.05E-10	1.96E-08	3.32E-09	1.14E-08	1.47E-10	1.48E-08	3.76E-10	1.99E-09	3.49E-11	2.40E-09	3.42E-10	1.04E-09	1.06E-11	1.39E-09
1783	471181.48	3818554.33	4.04E-09	1.57E-08	2.08E-10	1.99E-08	3.37E-09	1.15E-08	1.49E-10	1.50E-08	3.82E-10	2.02E-09	3.54E-11	2.44E-09	3.47E-10	1.06E-09	1.07E-11	1.41E-09
1784	471185.02	3818563.12	4.11E-09	1.59E-08	2.11E-10	2.02E-08	3.42E-09	1.17E-08	1.51E-10	1.53E-08	3.88E-10	2.05E-09	3.60E-11	2.47E-09	3.52E-10	1.07E-09	1.09E-11	1.44E-09
1785	471188.56	3818571.91	4.17E-09	1.62E-08	2.14E-10	2.06E-08	3.47E-09	1.19E-08	1.54E-10	1.55E-08	3.94E-10	2.08E-09	3.65E-11	2.51E-09	3.58E-10	1.09E-09	1.11E-11	1.46E-09
1786	471192.1	3818580.7	4.24E-09	1.64E-08	2.18E-10	2.09E-08	3.53E-09	1.21E-08	1.56E-10	1.58E-08	4.00E-10	2.11E-09	3.71E-11	2.55E-09	3.64E-10	1.11E-09	1.12E-11	1.48E-09
1787	471195.64	3818589.49	4.31E-09	1.67E-08	2.21E-10	2.12E-08	3.59E-09	1.23E-08	1.59E-10	1.60E-08	4.07E-10	2.15E-09	3.77E-11	2.59E-09	3.70E-10	1.13E-09	1.14E-11	1.51E-09
1788	471199.18	3818598.28	4.37E-09	1.70E-08	2.25E-10	2.16E-08	3.64E-09	1.25E-08	1.61E-10	1.63E-08	4.13E-10	2.18E-09	3.83E-11	2.64E-09	3.76E-10	1.14E-09	1.16E-11	1.53E-09
1789	471202.72	3818607.07	4.45E-09	1.72E-08	2.28E-10	2.19E-08	3.70E-09	1.27E-08	1.64E-10	1.65E-08	4.20E-10	2.22E-09	3.90E-11	2.68E-09	3.82E-10	1.16E-09	1.18E-11	1.56E-09
1790	471206.25	3818615.86	4.52E-09	1.75E-08	2.32E-10	2.23E-08	3.76E-09	1.29E-08	1.67E-10	1.68E-08	4.27E-10	2.26E-09	3.96E-11	2.72E-09	3.88E-10	1.18E-09	1.20E-11	1.58E-09
1791	471209.79	3818624.65	4.60E-09	1.78E-08	2.36E-10	2.27E-08	3.83E-09	1.31E-08	1.69E-10	1.71E-08	4.34E-10	2.29E-09	4.03E-11	2.77E-09	3.95E-10	1.20E-09	1.22E-11	1.61E-09
1792	471213.33	3818633.44	4.68E-09	1.81E-08	2.40E-10	2.31E-08	3.89E-09	1.33E-08	1.72E-10	1.74E-08	4.42E-10	2.33E-09	4.10E-11	2.82E-09	4.01E-10	1.22E-09	1.24E-11	1.64E-09
1793	471216.87	3818642.23	4.76E-09	1.84E-08	2.44E-10	2.34E-08	3.96E-09	1.36E-08	1.75E-10	1.77E-08	4.49E-10	2.37E-09	4.17E-11	2.87E-09	4.08E-10	1.24E-09	1.26E-11	1.66E-09
1794	471220.41	3818651.02	4.84E-09	1.88E-08	2.49E-10	2.39E-08	4.03E-09	1.38E-08	1.78E-10	1.80E-08	4.57E-10	2.42E-09	4.24E-11	2.92E-09	4.15E-10	1.27E-09	1.28E-11	1.69E-09
1795	471223.95	3818659.8	4.92E-09	1.91E-08	2.53E-10	2.43E-08	4.10E-09	1.40E-08	1.82E-10	1.83E-08	4.65E-10	2.46E-09	4.31E-11	2.97E-09	4.23E-10	1.29E-09	1.31E-11	1.72E-09
1796	471227.49	3818668.59	5.01E-09	1.94E-08	2.57E-10	2.47E-08	4.17E-09	1.43E-08	1.85E-10	1.86E-08	4.73E-10	2.50E-09	4.39E-11	3.02E-09	4.30E-10	1.31E-09	1.33E-11	1.75E-09
1797	471231.02	3818677.38	5.10E-09	1.98E-08	2.62E-10	2.51E-08	4.25E-09	1.45E-08	1.88E-10	1.90E-08	4.82E-10	2.55E-09	4.47E-11	3.07E-09	4.38E-10	1.33E-09	1.35E-11	1.79E-09
1798	471234.56	3818686.17	5.19E-09	2.01E-08	2.67E-10	2.56E-08	4.32E-09	1.48E-08	1.91E-10	1.93E-08	4.90E-10	2.59E-09	4.55E-11	3.13E-09	4.46E-10	1.36E-09	1.38E-11	1.82E-09
1799	471238.1	3818694.96	5.29E-09	2.05E-08	2.72E-10	2.61E-08	4.40E-09	1.51E-08	1.95E-10	1.97E-08	4.99E-10	2.64E-09	4.63E-11	3.19E-09	4.54E-10	1.38E-09	1.40E-11	1.85E-09
1800	471241.64	3818703.75	5.39E-09	2.09E-08	2.77E-10	2.65E-08	4.49E-09	1.53E-08	1.99E-10	2.00E-08	5.09E-10	2.69E-09	4.72E-11	3.24E-09	4.62E-10	1.41E-09	1.43E-11	1.88E-09
1801	471245.18	3818712.54	5.48E-09	2.13E-08	2.82E-10	2.70E-08	4.57E-09	1.56E-08	2.02E-10	2.04E-08	5.18E-10	2.74E-09	4.80E-11	3.30E-09	4.71E-10	1.43E-09	1.45E-11	1.92E-09
1802	471248.72	3818721.33	5.59E-09	2.17E-08	2.87E-10	2.75E-08	4.65E-09	1.59E-08	2.06E-10	2.08E-08	5.27E-10	2.79E-09	4.89E-11	3.36E-09	4.79E-10	1.46E-09	1.48E-11	1.95E-09
1803	471252.25	3818730.12	5.69E-09	2.21E-08	2.92E-10	2.81E-08	4.74E-09	1.62E-08	2.10E-10	2.12E-08	5.37E-10	2.84E-09	4.99E-11	3.43E-09	4.89E-10	1.49E-09	1.51E-11	1.99E-09
1804	471255.79	3818738.91	5.80E-09	2.25E-08	2.98E-10	2.86E-08	4.83E-09	1.65E-08	2.14E-10	2.16E-08	5.47E-10	2.89E-09	5.08E-11	3.49E-09	4.98E-10	1.52E-09	1.54E-11	2.03E-09
1805	471259.33	3818747.7	5.90E-09	2.29E-08	3.03E-10	2.91E-08	4.92E-09	1.68E-08	2.18E-10	2.20E-08	5.58E-10	2.95E-09	5.17E-11	3.56E-09	5.07E-10	1.54E-09	1.57E-11	2.07E-09
1806	471262.87	3818756.49	6.02E-09	2.33E-08	3.09E-10	2.97E-08	5.01E-09	1.71E-08	2.22E-10	2.24E-08	5.68E-10	3.00E-09	5.27E-11	3.63E-09	5.17E-10	1.57E-09	1.60E-11	2.11E-09
1807	471266.41	3818765.28	6.13E-09	2.38E-08	3.15E-10	3.02E-08	5.11E-09	1.75E-08	2.26E-10	2.28E-08	5.79E-10	3.06E-09	5.37E-11	3.69E-09	5.26E-10	1.60E-09	1.63E-11	2.15E-09
1808	471269.95	3818774.07	6.25E-09	2.42E-08	3.21E-10	3.08E-08	5.20E-09	1.78E-08	2.30E-10	2.32E-08	5.90E-10	3.12E-09	5.47E-11	3.76E-09	5.36E-10	1.63E-09	1.66E-11	2.19E-09
1809	471273.49	3818782.85	6.37E-09	2.47E-08	3.27E-10	3.14E-08	5.30E-09	1.81E-08	2.35E-10	2.37E-08	6.01E-10	3.18E-09	5.58E-11	3.84E-09	5.47E-10	1.66E-09	1.69E-11	2.23E-09
1810	471277.02	3818791.64	6.49E-09	2.52E-08	3.33E-10	3.20E-08	5.40E-09	1.85E-08	2.39E-10	2.41E-08	6.13E-10	3.24E-09	5.68E-11	3.91E-09	5.57E-10	1.70E-09	1.72E-11	2.27E-09
1811	471280.56	3818800.43	6.61E-09	2.56E-08	3.40E-10	3.26E-08	5.51E-09	1.88E-08	2.44E-10	2.46E-08	6.24E-10	3.30E-09	5.79E-11	3.98E-09	5.67E-10	1.73E-09	1.75E-11	2.31E-09
1812	471284.1	3818809.22	6.74E-09	2.61E-08	3.46E-10	3.32E-08	5.61E-09	1.92E-08	2.48E-10	2.51E-08	6.36E-10	3.36E-09	5.90E-11	4.06E-09	5.78E-10	1.76E-09	1.79E-11	2.36E-09
1813	471287.64	3818818.01	6.86E-09	2.66E-08	3.53E-10	3.38E-08	5.72E-09	1.96E-08	2.53E-10	2.55E-08	6.48E-10	3.43E-09	6.02E-11	4.14E-09	5.89E-10	1.79E-09	1.82E-11	2.40E-09
1814	471291.18	3818826.8	7.00E-09	2.71E-08	3.59E-10	3.45E-08	5.83E-09	1.99E-08	2.58E-10	2.60E-08	6.61E-10	3.49E-09	6.13E-11	4.21E-09	6.01E-10	1.83E-09	1.85E-11	2.45E-09
1815	471312.41	3818879.54	7.85E-09	3.04E-08	4.03E-10	3.87E-08	6.54E-09	2.24E-08	2.90E-10	2.92E-08	7.41E-10	3.92E-09	6.88E-11	4.73E-09	6.74E-10	2.05E-09	2.08E-11	2.75E-09
1816	471315.95	3818888.33	8.00E-09	3.10E-08	4.11E-10	3.94E-08	6.66E-09	2.28E-08	2.95E-10	2.98E-08	7.55E-10	3.99E-09	7.01E-11	4.82E-09	6.87E-10	2.09E-09	2.12E-11	2.80E-09
1817	471319.49	3818897.12	8.16E-09	3.16E-08	4.19E-10	4.02E-08	6.79E-09	2.32E-08	3.01E-10	3.03E-08	7.70E-10	4.07E-09	7.15E-11	4.91E-09	7.00E-10	2.13E-09	2.16E-11	2.85E-09
1818	471323.02	3818905.9	8.31E-09	3.22E-08	4.27E-10	4.10E-08	6.92E-09	2.37E-08	3.07E-10	3.09E-08	7.85E-10	4.15E-09	7.28E-11	5.01E-09	7.14E-10	2.17E-09	2.20E-11	2.91E-09
1819	471326.56	3818914.69	8.47E-09	3.29E-08	4.35E-10	4.18E-08	7.06E-09	2.41E-08	3.12E-10	3.15E-08	8.00E-10	4.23E-09	7.42E-11	5.10E-09	7.27E-10	2.21E-09	2.25E-11	2.96E-09
1820	471330.1	3818923.48	8.64E-09	3.35E-08	4.44E-10	4.26E-08	7.19E-09	2.46E-08	3.18E-10	3.21E-08	8.15E-10	4.31E-09	7.57E-11	5.20E-09	7.41E-10	2.26E-09	2.29E-11

1821	471333.64	3818932.27	8.80E-09	3.41E-08	4.52E-10	4.34E-08	7.33E-09	2.51E-08	3.25E-10	3.27E-08	8.31E-10	4.39E-09	7.71E-11	5.30E-09	7.55E-10	2.30E-09	2.33E-11	3.08E-09
1822	471340.72	3818949.85	9.14E-09	3.54E-08	4.69E-10	4.50E-08	7.61E-09	2.60E-08	3.37E-10	3.40E-08	8.63E-10	4.56E-09	8.01E-11	5.50E-09	7.84E-10	2.39E-09	2.42E-11	3.20E-09
1823	471344.26	3818958.64	9.31E-09	3.61E-08	4.78E-10	4.59E-08	7.75E-09	2.65E-08	3.43E-10	3.46E-08	8.79E-10	4.65E-09	8.16E-11	5.61E-09	7.99E-10	2.43E-09	2.47E-11	3.26E-09
1824	471347.79	3818967.43	9.48E-09	3.68E-08	4.87E-10	4.67E-08	7.90E-09	2.70E-08	3.50E-10	3.53E-08	8.95E-10	4.73E-09	8.31E-11	5.71E-09	8.14E-10	2.48E-09	2.51E-11	3.32E-09
1825	471351.33	3818976.22	9.65E-09	3.74E-08	4.96E-10	4.76E-08	8.04E-09	2.75E-08	3.56E-10	3.59E-08	9.11E-10	4.82E-09	8.46E-11	5.81E-09	8.28E-10	2.52E-09	2.56E-11	3.38E-09
1826	471354.87	3818985.01	9.82E-09	3.81E-08	5.05E-10	4.84E-08	8.18E-09	2.80E-08	3.62E-10	3.65E-08	9.27E-10	4.90E-09	8.61E-11	5.92E-09	8.43E-10	2.57E-09	2.60E-11	3.44E-09
1827	471358.41	3818993.8	1.00E-08	3.88E-08	5.14E-10	4.93E-08	8.33E-09	2.85E-08	3.69E-10	3.72E-08	9.44E-10	4.99E-09	8.76E-11	6.02E-09	8.58E-10	2.61E-09	2.65E-11	3.50E-09
1828	471361.95	3819002.59	1.02E-08	3.94E-08	5.22E-10	5.01E-08	8.47E-09	2.90E-08	3.75E-10	3.78E-08	9.60E-10	5.08E-09	8.91E-11	6.12E-09	8.73E-10	2.66E-09	2.70E-11	3.56E-09
1829	471365.49	3819011.38	1.03E-08	4.01E-08	5.31E-10	5.10E-08	8.61E-09	2.95E-08	3.81E-10	3.85E-08	9.77E-10	5.16E-09	9.06E-11	6.23E-09	8.88E-10	2.70E-09	2.74E-11	3.62E-09
1830	471369.03	3819020.17	1.05E-08	4.08E-08	5.40E-10	5.18E-08	8.76E-09	3.00E-08	3.88E-10	3.91E-08	9.93E-10	5.25E-09	9.21E-11	6.33E-09	9.02E-10	2.75E-09	2.79E-11	3.68E-09
1831	471372.56	3819028.95	1.07E-08	4.14E-08	5.49E-10	5.27E-08	8.90E-09	3.05E-08	3.94E-10	3.97E-08	1.01E-09	5.34E-09	9.36E-11	6.44E-09	9.17E-10	2.79E-09	2.83E-11	3.74E-09
1832	471383.18	3819055.32	1.12E-08	4.34E-08	5.75E-10	5.52E-08	9.32E-09	3.19E-08	4.13E-10	4.16E-08	1.06E-09	5.59E-09	9.81E-11	6.74E-09	9.61E-10	2.93E-09	2.97E-11	3.92E-09
1833	471386.72	3819064.11	1.14E-08	4.41E-08	5.84E-10	5.60E-08	9.46E-09	3.24E-08	4.19E-10	4.23E-08	1.07E-09	5.67E-09	9.96E-11	6.85E-09	9.75E-10	2.97E-09	3.01E-11	3.98E-09
1834	471390.26	3819072.9	1.15E-08	4.47E-08	5.92E-10	5.68E-08	9.60E-09	3.28E-08	4.25E-10	4.29E-08	1.09E-09	5.75E-09	1.01E-10	6.94E-09	9.89E-10	3.01E-09	3.06E-11	4.03E-09
1835	471393.8	3819081.69	1.17E-08	4.53E-08	6.00E-10	5.76E-08	9.73E-09	3.33E-08	4.31E-10	4.35E-08	1.10E-09	5.83E-09	1.02E-10	7.04E-09	1.00E-09	3.05E-09	3.10E-11	4.09E-09
1836	471397.33	3819090.48	1.18E-08	4.59E-08	6.09E-10	5.84E-08	9.87E-09	3.38E-08	4.37E-10	4.41E-08	1.12E-09	5.91E-09	1.04E-10	7.14E-09	1.02E-09	3.10E-09	3.14E-11	4.15E-09
1837	471400.87	3819099.27	1.20E-08	4.66E-08	6.17E-10	5.92E-08	1.00E-08	3.42E-08	4.43E-10	4.46E-08	1.13E-09	5.99E-09	1.05E-10	7.23E-09	1.03E-09	3.14E-09	3.18E-11	4.20E-09
1838	471404.41	3819108.06	1.22E-08	4.71E-08	6.25E-10	5.99E-08	1.01E-08	3.46E-08	4.48E-10	4.52E-08	1.15E-09	6.07E-09	1.07E-10	7.32E-09	1.04E-09	3.18E-09	3.22E-11	4.25E-09
1839	471407.95	3819116.85	1.23E-08	4.77E-08	6.32E-10	6.07E-08	1.03E-08	3.51E-08	4.54E-10	4.58E-08	1.16E-09	6.14E-09	1.08E-10	7.42E-09	1.06E-09	3.22E-09	3.26E-11	4.31E-09
1840	471411.49	3819125.64	1.25E-08	4.83E-08	6.40E-10	6.14E-08	1.04E-08	3.55E-08	4.59E-10	4.63E-08	1.18E-09	6.22E-09	1.09E-10	7.50E-09	1.07E-09	3.26E-09	3.30E-11	4.36E-09
1841	471415.03	3819134.43	1.26E-08	4.89E-08	6.47E-10	6.21E-08	1.05E-08	3.59E-08	4.65E-10	4.69E-08	1.19E-09	6.29E-09	1.10E-10	7.59E-09	1.08E-09	3.29E-09	3.34E-11	4.41E-09
1842	471422.1	3819152.01	1.29E-08	4.99E-08	6.61E-10	6.35E-08	1.07E-08	3.67E-08	4.75E-10	4.79E-08	1.22E-09	6.43E-09	1.13E-10	7.75E-09	1.11E-09	3.36E-09	3.41E-11	4.50E-09
1843	471425.64	3819160.79	1.30E-08	5.04E-08	6.68E-10	6.41E-08	1.08E-08	3.71E-08	4.80E-10	4.84E-08	1.23E-09	6.49E-09	1.14E-10	7.83E-09	1.12E-09	3.40E-09	3.45E-11	4.55E-09
1844	471429.18	3819169.58	1.31E-08	5.09E-08	6.74E-10	6.47E-08	1.09E-08	3.74E-08	4.84E-10	4.88E-08	1.24E-09	6.55E-09	1.15E-10	7.91E-09	1.13E-09	3.43E-09	3.48E-11	4.59E-09
1845	471432.72	3819178.37	1.32E-08	5.14E-08	6.81E-10	6.53E-08	1.10E-08	3.77E-08	4.89E-10	4.93E-08	1.25E-09	6.61E-09	1.16E-10	7.98E-09	1.14E-09	3.46E-09	3.51E-11	4.64E-09
1846	471436.26	3819187.16	1.34E-08	5.18E-08	6.86E-10	6.59E-08	1.11E-08	3.81E-08	4.93E-10	4.97E-08	1.26E-09	6.67E-09	1.17E-10	8.05E-09	1.15E-09	3.49E-09	3.54E-11	4.67E-09
1847	471439.8	3819195.95	1.35E-08	5.22E-08	6.92E-10	6.64E-08	1.12E-08	3.84E-08	4.97E-10	5.01E-08	1.27E-09	6.72E-09	1.18E-10	8.11E-09	1.16E-09	3.52E-09	3.57E-11	4.71E-09
1848	471443.33	3819204.74	1.36E-08	5.26E-08	6.97E-10	6.69E-08	1.13E-08	3.87E-08	5.01E-10	5.05E-08	1.28E-09	6.78E-09	1.19E-10	8.18E-09	1.17E-09	3.55E-09	3.60E-11	4.75E-09
1849	471446.87	3819213.53	1.37E-08	5.30E-08	7.02E-10	6.74E-08	1.14E-08	3.90E-08	5.04E-10	5.08E-08	1.29E-09	6.82E-09	1.20E-10	8.23E-09	1.17E-09	3.57E-09	3.62E-11	4.78E-09
1850	471450.41	3819222.32	1.38E-08	5.34E-08	7.07E-10	6.78E-08	1.15E-08	3.92E-08	5.08E-10	5.12E-08	1.30E-09	6.87E-09	1.21E-10	8.29E-09	1.18E-09	3.60E-09	3.65E-11	4.82E-09
1851	470211.67	3818057.47	8.87E-09	3.44E-08	4.56E-10	4.37E-08	7.39E-09	2.53E-08	3.27E-10	3.30E-08	8.38E-10	4.43E-09	7.77E-11	5.34E-09	7.62E-10	2.32E-09	2.35E-11	3.10E-09
1852	470202.11	3818057.34	8.96E-09	3.47E-08	4.60E-10	4.41E-08	7.46E-09	2.55E-08	3.30E-10	3.33E-08	8.46E-10	4.47E-09	7.85E-11	5.40E-09	7.69E-10	2.34E-09	2.37E-11	3.13E-09
1853	470192.54	3818057.2	9.02E-09	3.50E-08	4.64E-10	4.45E-08	7.51E-09	2.57E-08	3.33E-10	3.36E-08	8.52E-10	4.50E-09	7.91E-11	5.43E-09	7.74E-10	2.36E-09	2.39E-11	3.16E-09
1854	470182.98	3818057.07	9.07E-09	3.52E-08	4.66E-10	4.47E-08	7.56E-09	2.59E-08	3.35E-10	3.37E-08	8.57E-10	4.53E-09	7.95E-11	5.47E-09	7.79E-10	2.37E-09	2.40E-11	3.17E-09
1855	470173.42	3818056.93	9.11E-09	3.53E-08	4.68E-10	4.49E-08	7.59E-09	2.60E-08	3.36E-10	3.39E-08	8.60E-10	4.55E-09	7.98E-11	5.49E-09	7.82E-10	2.38E-09	2.42E-11	3.19E-09
1856	470163.86	3818056.8	9.16E-09	3.55E-08	4.70E-10	4.51E-08	7.63E-09	2.61E-08	3.38E-10	3.41E-08	8.65E-10	4.57E-09	8.02E-11	5.52E-09	7.86E-10	2.39E-09	2.43E-11	3.20E-09
1857	470154.29	3818056.66	9.20E-09	3.57E-08	4.73E-10	4.53E-08	7.66E-09	2.62E-08	3.39E-10	3.42E-08	8.69E-10	4.59E-09	8.06E-11	5.54E-09	7.90E-10	2.40E-09	2.44E-11	3.22E-09
1858	470144.73	3818056.53	9.23E-09	3.58E-08	4.74E-10	4.55E-08	7.69E-09	2.63E-08	3.40E-10	3.43E-08	8.72E-10	4.61E-09	8.09E-11	5.56E-09	7.93E-10	2.41E-09	2.45E-11	3.23E-09
1859	470135.17	3818056.39	9.25E-09	3.59E-08	4.75E-10	4.56E-08	7.70E-09	2.64E-08	3.41E-10	3.44E-08	8.74E-10	4.62E-09	8.11E-11	5.57E-09	7.94E-10	2.42E-09	2.45E-11	3.24E-09
1860	470125.61	3818056.26	9.25E-09	3.59E-08	4.75E-10	4.56E-08	7.70E-09	2.64E-08	3.41E-10	3.44E-08	8.74E-10	4.62E-09	8.11E-11	5.57E-09	7.94E-10	2.42E-09	2.45E-11	3.24E-09
1861	470403.79	3818023.74	6.22E-09	2.41E-08	3.20E-10	3.07E-08	5.19E-09	1.77E-08	2.30E-10	2.32E-08	5.88E-10	3.11E-09	5.45E-11	3.75E-09	5.34E-10	1.63E-09	1.65E-11	2.18E-09
1862	470412.54	3818027.49	6.18E-09	2.40E-08	3.18E-10	3.05E-08	5.15E-09	1.76E-08	2.28E-10	2.30E-08	5.84E-10	3.09E-09	5.42E-11	3.72E-09	5.31E-10	1.62E-09	1.64E-11	2.16E-09
1863	470421.28	3818031.24	6.13E-09	2.38E-08	3.15E-10	3.02E-08	5.11E-09	1.75E-08	2.26E-10	2.28E-08	5.79E-10	3.06E-09	5.37E-11	3.69E-09	5.26E-10	1.60E-09	1.63E-11	2.15E-09
1864	470430.03	3818035	6.08E-09	2.36E-08	3.12E-10	3.00E-08	5.06E-09	1.73E-08	2.24E-10	2.26E-08	5.74E-10	3.04E-09	5.33E-11	3.66E-09	5.22E-10	1.59E-09	1.61E-11	2.13E-09
1865	470438.77	3818038.75	6.03E-09	2.34E-08	3.10E-10	2.97E-08	5.02E-09	1.72E-08	2.22E-10	2.24E-08	5.70E-10	3.01E-09	5.29E-11	3.63E-09	5.18E-10	1.58E-09	1.60E-11	2.11E-09
1866	470447.52	3818042.5	6.11E-09	2.37E-08	3.14E-10	3.01E-08	5.09E-09	1.74E-08	2.25E-10	2.27E-08	5.77E-10	3.05E-09	5.35E-11	3.68E-09	5.24E-10	1.60E-09	1.62E-11	2.14E-09
1867	470456.26	3818046.26	6.06E-09	2.35E-08	3.11E-10	2.99E-08	5.05E-09	1.73E-08	2.24E-10	2.25E-08	5.72E-10	3.03E-09	5.31E-11	3.65E-09	5.20E-10	1.58E-09	1.61E-11	2.12E-09
1868	470465.01	3818050.01	6.01E-09	2.33E-08	3.09E-10	2.96E-08	5.00E-09	1.71E-08	2.22E-10	2.23E-08	5.67E-10	3.00E-09	5.26E-11	3.62E-09	5.16E-10	1.57E-09	1.59E-11	2.10E-09
1869	470473.75	3818053.76	5.95E-09	2.31E-08	3.06E-10	2.93E-08	4.96E-09	1.70E-08	2.20E-10	2.21E-08	5.62E-10	2.97E-09	5.22E-11	3.59E-09	5.11E-10	1.56E-09	1.58E-11	2.08E-09
1870	470482.5	3818057.52	5.90E-09	2.29E-08	3.03E-10	2.91E-08	4.91E-09	1.68E-08	2.18E-10	2.19E-08	5.57E-10	2.94E-09	5.17E-11	3.55E-09	5.06E-10	1.54E-09	1.56E-11	2.06E-09
1871	470491.24	3818061.27	5.85E-09	2.27E-08	3.00E-10	2.88E-08	4.87E-09	1.67E-08	2.16E-10	2.17E-08	5.52E-10	2.92E-09	5.12E-11	3.52E-09	5.02E-10	1.53E-09	1.55E-11	2.05E-09
1872	470499.99	3818065.02	5.80E-09	2.25E-08	2.98E-10	2.86E-08	4.83E-09	1.65E-08	2.14E-10	2.16E-08	5.47E-10	2.89E-09	5.08E-11	3.49E-09	4.98E-10	1.52E-09	1.54E-11	2.03E-09
1873	470508.73	3818068.78	5.74E-09	2.23E-08	2.95E-10	2.83E-08	4.78E-09	1.64E-08	2.12E-10	2.14E-08	5.42E-10	2.87E-09	5.03E-11	3.46E-09	4.93E-10	1.50E-09	1.52E-11	2.01E-09
1874	470517.48	3818072.53	5.69E-09	2.21E-08	2.92E-10	2.80E-08	4.74E-09	1.62E-08	2.10E-10	2.12E-08	5.37E-10	2.84E-09	4.98E-11	3.43E-09	4.88E-10	1.49E-09	1.51E-11	1.99E-09
1875	470526.22	3818076.28	5.63E-09	2.18E-08	2.89E-10	2.78E-08	4.69E-09	1.61E-08	2.08E-10	2.10E-08	5.32E-10	2.81E-09	4.94E-11	3.39E-09	4.84E-10	1.47E-09	1.49E-11	1.97E-09
1876	470534.96	3818080.04	5.59E-09	2.17E-08	2.87E-10	2.75E-08	4.65E-09	1.59E-08	2.06E-10	2.08E-08	5.27E-10	2.79E-09	4.89E-11	3.36E-09	4.79E-10	1.46E-09	1.48E-11	1.95E-09
1877	470543.71	3818083.79	5.54E-09	2.15E-08	2.85E-10	2.73E-08	4.62E-09	1.58E-08	2.04E-10	2.06E-08	5.23E-10	2.77E-09	4.86E-11	3.34E-09	4.76E-10	1.45E-09	1.47E-11	1.94E-09
1878	470552.45	3818087.54	5.50E-09	2.13E-08	2.83E-10	2.71E-08	4.58E-09	1.57E-08	2.03E-10	2.05E-08	5.19E-10	2.75E-09	4.82E-11	3.31E-09	4.72E-10	1.44E-09	1.46E-11	1.92E-09
1879	470561.2	3818091.3	5.46E-09	2.12E-08	2.81E-10	2.69E-08	4.55E-09	1.56E-08	2.01E-10	2.03E-08	5.16E-10	2.73E-09	4.79E-11	3.29E-09	4.69E-10	1.43E-09	1.45E-11	1.91E-09
1880	470569.94	3818095.05	5.42E-09	2.10E-08	2.79E-10	2.67E-08	4.52E-09	1.55E-08	2.00E-10	2.02E-08	5.12E-10	2.71E-09	4.75E-11	3.27E-09	4.65E-10	1.42E-09	1.44E-11	1.90E-09
1881	470578.69	3818098.8	5.39E-09	2.09E-08	2.77E-10	2.65E-08	4.49E-09	1.53E-08	1.99E-10	2.00E-08	5.09E-10	2.69E-09	4.72E-11	3.24E-09	4.62E-10	1.41E-09	1.43E-11	1.88E-09
1882	470587.43	3818102.56	5.35E-09	2.07E-08	2.75E-10	2.64E-08	4.46E-09	1.52E-08	1.97E-10	1.99E-08	5.05E-10	2.67E-09	4.69E-11	3.22E-09	4.59E-10	1.40E-09	1.42E-11	1.87E-09
1883	470596.18	3818106.31	5.31E-09	2.06E-08	2.73E-10	2.62E-08	4.42E-09	1.51E-08	1.96E-10	1.98E-08	5.02E-10	2.65E-09	4.66E-11	3.20E-09	4.56E-10	1.39E-09	1.41E-11	1.86E-09
1884	470604.92	3818110.06	5.28E-09	2.05E-08	2.71E-10	2.60E-08	4.40E-09	1.50E-08	1.95E-10	1.96E-08	4.99E-10	2.64E-09	4.63E-11	3.18E-09	4.53E-10	1.38E-09	1.40E-11	1.85E-09
1885	470613.67	3818113.82	5.24E-09	2.03E-08	2.69E-10	2.58E-08	4.36E-09	1.49E-08	1.93E-10	1.95E-08	4.95E-10	2.62E-09	4.59E-11	3.16E-09	4.50E-10	1.37E-09	1.39E-11	1.83E-09
1886	470622.41	3818117.57	5.20E-09	2.02E-08	2.67E-10	2.56E-08	4.33E-09	1.48E-08	1.92E-10	1.93E-08	4.91E-10	2.59E-09	4.55E-11	3.13E-09	4.46E-10	1.36E-09	1.38E-11	1.82E-09
1887	470631.16	3818121.32	5.16E-09	2.00E-08	2.65E-10	2.54E-08	4.29E-09	1.47E-08	1.90E-10	1.92E-08	4.87E-10	2.57E-09	4.52E-11	3.11E-09	4.43E-10	1.35E-09	1.37E-11	1.80E-09
1888	470639.9	3818125.08	5.11E-09	1.98E-08	2.63E-10	2.52E-08	4.26E-09	1.46E-08	1.89E-10	1.90E-08	4.83E-10	2.55E-09	4.48E-11	3.08E-09	4.39E-10	1.34E-09	1.36E-11	1.79E-09
1889	470648.65	3818128.83	5.07E-09	1.97E-08	2.60E-10	2.50E-08	4.22E-09	1.44E-08	1.87E-10	1.89E-08	4.79E-10	2.53E-09	4.44E-11	3.05E-09	4.35E-10	1.33E-09	1.34E-11	1.77E-09
1890	470657.39	3818132.58	5.03E-09	1.95E-08	2.58E-10	2.48E-08	4.19E-09	1.43E-08	1.85E-10	1.87E-08	4.75E-10	2.51E-09	4.41E-11	3.03E-09	4.32E-10	1.31E-09	1.33E-11	1.76E-09
1891	470666.14	3818136.34	4.99E-09	1.93E-08	2.56E-10	2.46E-08	4.16E-09	1.42E-08	1.84E-10	1.86E-08	4.71E-10	2.49E-09	4.37E-11	3.01E-09	4.28E-10	1.30E-09	1.32E-11	1.75E-09
1892	470674.88	3818140.09	4.95E-09	1.92E-08	2.54E-10	2.44E-08	4.12E-09	1.41E-08	1.83E-10	1.84E-08	4.67E-10	2.47E-09	4.34E-11	2.98E-09	4.25E-10	1.29E-09	1.31E-11	1.73E-09
1893	470683.63	3818143.84	4.91E-09	1.90E-08	2.52E-10	2.42E-08	4.09E-09	1.40E-08	1.81E-10	1.83E-08	4.64E-10	2.45E-09	4.30E-11	2.96E-09	4.21E-10	1.28E-09	1.30E-11	1.72E-09
1894	470692.37	3818147.6	4.87E-09	1.89E-08	2.50E-10	2.40E-08	4.06E-09	1.39E-08	1.80E-10	1.81E-08	4.60E-10	2.43E-09	4.27E-11	2.93E-09	4.18E-10	1.27E-09	1.29E-11	1.70E-09
1895	470701.11	3818151.35	4.83E-09	1.87E-08	2.48E-10	2.38E-08	4.02E-09	1.38E-08	1.78E-10	1.80E-08	4.56E-10	2.41E-09	4.23E-11	2.91E-09	4.15E-10	1.26E-09	1.28E-11	1.69E-09
1896	470709.86	3818155.1	4.79E-09	1.86E-08	2.46E-10	2.36E-08	3.99E-09	1.36E-08	1.77E-10	1.78E-08	4.52E-10	2.39E-09	4.20E-11	2.88E-09	4.11E-10	1.25E-09	1.27E-11	1.68E-09
1897	470718.6	3818158.85	4.75E-09	1.84E-08	2.44E-10	2.34E-08	3.95E-09	1.35E-08	1.75E-10	1.76E-08	4.48E-10	2.37E-09	4.16E-11	2.86E-09	4.07E-10	1.24E-09	1.26E-11	1.66E-09
1898	470727.35	3818162.61	4.71E-09	1.82E-08	2.42E-10	2.32E-08	3.92E-09	1.34E-08	1.74E-10	1.75E-08	4.44E-10	2.35E-09	4.12E-11	2.83E-09	4.04E-10	1.23E-09	1.25E-11	1.65E-09
1899	470736.09	3818166.36	4.67E-09	1.81E-08	2.40E-10	2.30E-08	3.89E-09	1.33E-08	1.72E-10	1.74E-08	4.41E-10	2.33E-09	4.09E-11	2.81E-09	4.00E-10	1.22E-09	1.24E-11	1.63E-09
1900	470744.84	3818170.11	4.62E-09	1.79E-08	2.37E-10	2.28E-08	3.85E-09	1.32E-08	1.70E-10	1.72E-08	4.36E-10	2.31E-09	4.05E-11	2.78E-09	3.97E-10	1.21E-09	1.23E-11	1.62E-09
1901	470753.58	3818173.87	4.58E-09	1.78E-08	2.35E-10	2.26E-08	3.82E-09	1.31E-08	1.69E-10	1.70E-08	4.33E-10	2.29E-09	4.01E-11	2.76E-09	3.93E-10	1.20E-09	1.21E-11	1.60E-09
1902	470762.33	3818177.62	4.54E-09	1.76E-08	2.33E-10	2.24E-08	3.78E-09	1.29E-08	1.67E-10	1.69E-08	4.29E-10	2.27E-09	3.98E-11	2.74E-09	3.90E-10	1.19E-09	1.20E-11	1.59E-09
1903	470771.07	3818181.37	4.50E-09	1.74E-08	2.31E-10	2.22E-08	3.75E-09	1.28E-08	1.66E-10	1.67E-08	4.25E-10	2.25E-09	3.94E-11	2.71E-09	3.86E-10	1.18E-09	1.19E-11	1.57E-09
1904	470779.82	3818185.13	4.46E-09	1.73E-08	2.29E-10	2.20E-08	3.71E-09	1.27E-08	1.64E-10	1.66E-08	4.21E-10	2.23E-09	3.91E-11	2.69E-09	3.83E-10	1.17E-09	1.18E-11	1.56E-09
1905	470788.56	3818188.88	4.41E-09	1.71E-08	2.27E-10	2.18E-08	3.68E-09	1.26E-08	1.63E-10	1.64E-08	4.17E-10	2.20E-09	3.87E-11	2.66E-09	3.79E-10	1.15E-09	1.17E-11	1.54E-09
1906	470797.31	3818192.63	4.37E-09	1.70E-08	2.25E-10	2.16E-08	3.64E-09	1.25E-08	1.61E-10	1.63E-08	4.13E-10	2.18E-09	3.83E-11	2.64E-09	3.76E-10	1.14E-09	1.16E-11	1.53E-09
1907	470806.05	3818196.39	4.33E-09	1.68E-08	2.23E-10	2.13E-08	3.61E-09	1.23E-08	1.60E-10	1.61E-08	4.09E-10	2.16E-09	3.79E-11	2.61E-09	3.72E-10	1.13E-09	1.15E-11	1.52E-09
1908	470814.8	3818200.14	4.29E-09	1.66E-08	2.20E-10	2.12E-08	3.57E-09	1.22E-08	1.58E-10	1.60E-08	4.05E-10	2.14E-09	3.76E-11	2.58E-09	3.68E-10	1.12E-09	1.14E-11	1.50E-09
1909	470823.54	3818203.89	4.25E-09	1.65E-08	2.18E-10	2.09E-08	3.54E-09	1.21E-08	1.57E-10	1.58E-08	4.01E-10	2.12E-09	3.72E-11	2.56E-09	3.65E-10	1.11E-09	1.13E-11	1.49E-09
1910	470832.29	3818207.65	4.20E-09	1.63E-08	2.16E-10	2.07E-08	3.50E-09	1.20E-08	1.55E-10	1.56E-08	3.97E-10	2.10E-09	3.68E-11	2.53E-09	3.61E-10	1.10E-09	1.11E-11	1.47E-09
1911	470841.03	3818211.4	4.16E-09	1.61E-08	2.14E-10	2.05E-08	3.46E-09	1.19E-08	1.53E-10	1.55E-08	3.93E-10	2.08E-09	3.65E-11	2.51E-09	3.57E-10	1.09E-09	1.10E-11	1.46E-09
1912	470849.78	3818215.15	4.12E-09	1.60E-08	2.11E-10	2.03E-08	3.43E-09	1.17E-08	1.52E-10	1.53E-08	3.89E-10	2.06E-09	3.61E-11	2.48E-09	3.53E-10	1.08E-09	1.09E-11	1.44E-09
1913	470858.52	3818218.91	4.07E-09	1.58E-08	2.09E-10	2.01E-08	3.39E-09	1.16E-08	1.50E-10	1.51E-08	3.85E-10	2.03E-09	3.57E-11	2.45E-09	3.50E-10	1.06E-09	1.08E-11	1.42E-09
1914	470867.26	3818222.66	4.03E-09	1.56E-08	2.07E-10	1.99E-08	3.36E-09	1.15E-08	1.49E-10	1.50E-08	3.80E-10	2.01E-09	3.53E-11	2.43E-09	3.46E-10	1.05E-09	1.07E-11	1.41E-09
1915	470876.01	3818226.41	3.99E-09	1.55E-08	2.05E-10	1.97E-08	3.32E-09	1.14E-08	1.47E-10	1.48E-08	3.77E-10	1.99E-09	3.50E-11	2.40E-09	3.42E-10	1.04E-09	1.06E-11	1.40E-09
1916	470884.75	3818230.17	3.95E-09	1.53E-08	2.03E-10	1.94E-08	3.29E-09	1.12E-08	1.45E-10	1.47E-08	3.73E-10	1.97E-09	3.46E-11	2.38E-09	3.39E-10	1.03E-09	1.05E-11	1.

1917	470893.5	3818233.92	3.90E-09	1.51E-08	2.00E-10	1.92E-08	3.25E-09	1.11E-08	1.44E-10	1.45E-08	3.68E-10	1.95E-09	3.42E-11	2.35E-09	3.35E-10	1.02E-09	1.03E-11	1.37E-09
1918	470902.24	3818237.67	3.86E-09	1.50E-08	1.98E-10	1.90E-08	3.21E-09	1.10E-08	1.42E-10	1.43E-08	3.64E-10	1.93E-09	3.38E-11	2.32E-09	3.31E-10	1.01E-09	1.02E-11	1.35E-09
1919	470910.99	3818241.43	3.81E-09	1.48E-08	1.96E-10	1.88E-08	3.18E-09	1.09E-08	1.41E-10	1.42E-08	3.60E-10	1.90E-09	3.34E-11	2.30E-09	3.27E-10	9.97E-10	1.01E-11	1.33E-09
1920	470919.73	3818245.18	3.77E-09	1.46E-08	1.94E-10	1.86E-08	3.14E-09	1.08E-08	1.39E-10	1.40E-08	3.56E-10	1.88E-09	3.31E-11	2.27E-09	3.24E-10	9.87E-10	1.00E-11	1.32E-09
1921	470928.48	3818248.93	3.73E-09	1.45E-08	1.92E-10	1.84E-08	3.11E-09	1.06E-08	1.38E-10	1.39E-08	3.52E-10	1.86E-09	3.27E-11	2.25E-09	3.20E-10	9.75E-10	9.89E-12	1.31E-09
1922	470937.22	3818252.69	3.69E-09	1.43E-08	1.90E-10	1.82E-08	3.07E-09	1.05E-08	1.36E-10	1.37E-08	3.49E-10	1.84E-09	3.23E-11	2.22E-09	3.17E-10	9.65E-10	9.78E-12	1.29E-09
1923	470945.97	3818256.44	3.65E-09	1.42E-08	1.88E-10	1.80E-08	3.04E-09	1.04E-08	1.35E-10	1.36E-08	3.45E-10	1.82E-09	3.20E-11	2.20E-09	3.13E-10	9.54E-10	9.68E-12	1.28E-09
1924	470954.71	3818260.19	3.61E-09	1.40E-08	1.86E-10	1.78E-08	3.01E-09	1.03E-08	1.33E-10	1.34E-08	3.41E-10	1.80E-09	3.16E-11	2.18E-09	3.10E-10	9.44E-10	9.57E-12	1.26E-09
1925	470963.46	3818263.95	3.57E-09	1.38E-08	1.83E-10	1.76E-08	2.97E-09	1.02E-08	1.32E-10	1.33E-08	3.37E-10	1.78E-09	3.13E-11	2.15E-09	3.07E-10	9.33E-10	9.47E-12	1.25E-09
1926	470972.2	3818267.7	3.53E-09	1.37E-08	1.81E-10	1.74E-08	2.94E-09	1.01E-08	1.30E-10	1.31E-08	3.33E-10	1.76E-09	3.09E-11	2.13E-09	3.03E-10	9.23E-10	9.36E-12	1.24E-09
1927	470980.95	3818271.45	3.49E-09	1.35E-08	1.79E-10	1.72E-08	2.91E-09	9.95E-09	1.29E-10	1.30E-08	3.30E-10	1.74E-09	3.06E-11	2.10E-09	3.00E-10	9.13E-10	9.25E-12	1.22E-09
1928	470989.69	3818275.21	3.45E-09	1.34E-08	1.77E-10	1.70E-08	2.88E-09	9.84E-09	1.27E-10	1.28E-08	3.26E-10	1.72E-09	3.03E-11	2.08E-09	2.97E-10	9.03E-10	9.16E-12	1.21E-09
1929	470998.44	3818278.96	3.42E-09	1.33E-08	1.76E-10	1.68E-08	2.85E-09	9.74E-09	1.26E-10	1.27E-08	3.23E-10	1.71E-09	3.00E-11	2.06E-09	2.93E-10	8.93E-10	9.06E-12	1.20E-09
1930	471007.18	3818282.71	3.38E-09	1.31E-08	1.74E-10	1.67E-08	2.82E-09	9.64E-09	1.25E-10	1.26E-08	3.19E-10	1.69E-09	2.96E-11	2.04E-09	2.90E-10	8.84E-10	8.96E-12	1.18E-09
1931	471015.93	3818286.47	3.35E-09	1.30E-08	1.72E-10	1.65E-08	2.79E-09	9.53E-09	1.23E-10	1.24E-08	3.16E-10	1.67E-09	2.93E-11	2.02E-09	2.87E-10	8.74E-10	8.87E-12	1.17E-09
1932	471024.67	3818290.22	3.31E-09	1.28E-08	1.70E-10	1.63E-08	2.76E-09	9.44E-09	1.22E-10	1.23E-08	3.13E-10	1.65E-09	2.90E-11	2.00E-09	2.84E-10	8.66E-10	8.78E-12	1.16E-09
1933	471033.41	3818293.97	3.28E-09	1.27E-08	1.69E-10	1.62E-08	2.73E-09	9.35E-09	1.21E-10	1.22E-08	3.10E-10	1.64E-09	2.87E-11	1.98E-09	2.82E-10	8.57E-10	8.69E-12	1.15E-09
1934	471068.39	3818308.99	3.16E-09	1.22E-08	1.62E-10	1.56E-08	2.63E-09	8.99E-09	1.16E-10	1.17E-08	2.98E-10	1.58E-09	2.77E-11	1.90E-09	2.71E-10	8.25E-10	8.37E-12	1.10E-09
1935	471077.14	3818312.74	3.13E-09	1.21E-08	1.61E-10	1.54E-08	2.61E-09	8.92E-09	1.15E-10	1.16E-08	2.96E-10	1.56E-09	2.74E-11	1.89E-09	2.69E-10	8.18E-10	8.30E-12	1.10E-09
1936	471085.88	3818316.49	3.11E-09	1.20E-08	1.60E-10	1.53E-08	2.59E-09	8.85E-09	1.15E-10	1.16E-08	2.93E-10	1.55E-09	2.72E-11	1.87E-09	2.67E-10	8.12E-10	8.23E-12	1.09E-09
1937	471094.63	3818320.25	3.08E-09	1.19E-08	1.58E-10	1.52E-08	2.57E-09	8.78E-09	1.14E-10	1.15E-08	2.91E-10	1.54E-09	2.70E-11	1.86E-09	2.64E-10	8.05E-10	8.16E-12	1.08E-09
1938	471103.37	3818324	3.06E-09	1.19E-08	1.57E-10	1.51E-08	2.55E-09	8.71E-09	1.13E-10	1.14E-08	2.89E-10	1.53E-09	2.68E-11	1.84E-09	2.63E-10	7.99E-10	8.11E-12	1.07E-09
1939	471112.12	3818327.75	3.04E-09	1.18E-08	1.56E-10	1.50E-08	2.53E-09	8.65E-09	1.12E-10	1.13E-08	2.87E-10	1.52E-09	2.66E-11	1.83E-09	2.61E-10	7.94E-10	8.05E-12	1.06E-09
1940	471120.86	3818331.51	3.01E-09	1.17E-08	1.55E-10	1.49E-08	2.51E-09	8.59E-09	1.11E-10	1.12E-08	2.85E-10	1.50E-09	2.64E-11	1.82E-09	2.59E-10	7.88E-10	7.99E-12	1.05E-09
1941	471129.61	3818335.26	3.00E-09	1.16E-08	1.54E-10	1.48E-08	2.50E-09	8.54E-09	1.10E-10	1.11E-08	2.83E-10	1.50E-09	2.63E-11	1.81E-09	2.57E-10	7.83E-10	7.94E-12	1.05E-09
1942	471138.35	3818339.01	2.98E-09	1.16E-08	1.53E-10	1.47E-08	2.48E-09	8.49E-09	1.10E-10	1.11E-08	2.81E-10	1.49E-09	2.61E-11	1.79E-09	2.56E-10	7.79E-10	7.89E-12	1.04E-09
1943	471147.1	3818342.77	2.96E-09	1.15E-08	1.52E-10	1.46E-08	2.47E-09	8.43E-09	1.09E-10	1.10E-08	2.79E-10	1.48E-09	2.59E-11	1.78E-09	2.54E-10	7.74E-10	7.85E-12	1.04E-09
1944	471155.84	3818346.52	2.95E-09	1.14E-08	1.51E-10	1.45E-08	2.45E-09	8.39E-09	1.09E-10	1.10E-08	2.78E-10	1.47E-09	2.58E-11	1.77E-09	2.53E-10	7.70E-10	7.81E-12	1.03E-09
1945	471164.59	3818350.27	2.93E-09	1.14E-08	1.51E-10	1.44E-08	2.44E-09	8.35E-09	1.08E-10	1.09E-08	2.77E-10	1.46E-09	2.57E-11	1.77E-09	2.52E-10	7.66E-10	7.77E-12	1.03E-09
1946	471173.33	3818354.03	2.92E-09	1.13E-08	1.50E-10	1.44E-08	2.43E-09	8.32E-09	1.08E-10	1.09E-08	2.76E-10	1.46E-09	2.56E-11	1.76E-09	2.51E-10	7.63E-10	7.74E-12	1.02E-09
1947	471185.63	3818366.61	2.93E-09	1.14E-08	1.51E-10	1.44E-08	2.44E-09	8.35E-09	1.08E-10	1.09E-08	2.77E-10	1.46E-09	2.57E-11	1.77E-09	2.52E-10	7.66E-10	7.77E-12	1.03E-09
1948	471189.18	3818375.44	2.96E-09	1.15E-08	1.52E-10	1.46E-08	2.47E-09	8.43E-09	1.09E-10	1.10E-08	2.79E-10	1.48E-09	2.59E-11	1.78E-09	2.54E-10	7.74E-10	7.85E-12	1.04E-09
1949	471192.74	3818384.26	2.99E-09	1.16E-08	1.53E-10	1.47E-08	2.49E-09	8.51E-09	1.10E-10	1.11E-08	2.82E-10	1.49E-09	2.62E-11	1.80E-09	2.56E-10	7.80E-10	7.91E-12	1.04E-09
1950	471196.29	3818393.09	3.01E-09	1.17E-08	1.55E-10	1.49E-08	2.51E-09	8.59E-09	1.11E-10	1.12E-08	2.85E-10	1.50E-09	2.64E-11	1.82E-09	2.59E-10	7.88E-10	7.99E-12	1.05E-09
1951	471199.85	3818401.92	3.05E-09	1.18E-08	1.57E-10	1.50E-08	2.54E-09	8.68E-09	1.12E-10	1.13E-08	2.88E-10	1.52E-09	2.67E-11	1.84E-09	2.62E-10	7.97E-10	8.08E-12	1.07E-09
1952	471203.4	3818410.75	3.08E-09	1.19E-08	1.58E-10	1.52E-08	2.56E-09	8.77E-09	1.13E-10	1.14E-08	2.90E-10	1.54E-09	2.70E-11	1.85E-09	2.64E-10	8.04E-10	8.15E-12	1.08E-09
1953	471206.95	3818419.57	3.11E-09	1.21E-08	1.60E-10	1.53E-08	2.59E-09	8.87E-09	1.15E-10	1.16E-08	2.94E-10	1.55E-09	2.73E-11	1.88E-09	2.67E-10	8.14E-10	8.25E-12	1.09E-09
1954	471217.61	3818446.06	3.22E-09	1.25E-08	1.66E-10	1.59E-08	2.68E-09	9.18E-09	1.19E-10	1.20E-08	3.04E-10	1.61E-09	2.82E-11	1.94E-09	2.77E-10	8.42E-10	8.54E-12	1.13E-09
1955	471221.17	3818454.89	3.26E-09	1.27E-08	1.68E-10	1.61E-08	2.72E-09	9.30E-09	1.20E-10	1.21E-08	3.08E-10	1.63E-09	2.86E-11	1.96E-09	2.80E-10	8.53E-10	8.65E-12	1.14E-09
1956	471224.72	3818463.71	3.31E-09	1.28E-08	1.70E-10	1.63E-08	2.75E-09	9.42E-09	1.22E-10	1.23E-08	3.12E-10	1.65E-09	2.90E-11	1.99E-09	2.84E-10	8.64E-10	8.76E-12	1.16E-09
1957	471228.28	3818472.54	3.35E-09	1.30E-08	1.72E-10	1.65E-08	2.79E-09	9.54E-09	1.24E-10	1.25E-08	3.16E-10	1.67E-09	2.93E-11	2.02E-09	2.87E-10	8.75E-10	8.88E-12	1.17E-09
1958	471231.83	3818481.37	3.39E-09	1.32E-08	1.74E-10	1.67E-08	2.83E-09	9.67E-09	1.25E-10	1.26E-08	3.20E-10	1.69E-09	2.97E-11	2.04E-09	2.91E-10	8.87E-10	8.99E-12	1.19E-09
1959	471235.38	3818490.2	3.44E-09	1.33E-08	1.77E-10	1.70E-08	2.87E-09	9.80E-09	1.27E-10	1.28E-08	3.25E-10	1.72E-09	3.01E-11	2.07E-09	2.95E-10	8.99E-10	9.12E-12	1.20E-09
1960	471238.94	3818499.02	3.49E-09	1.35E-08	1.79E-10	1.72E-08	2.90E-09	9.94E-09	1.29E-10	1.30E-08	3.29E-10	1.74E-09	3.06E-11	2.10E-09	2.99E-10	9.12E-10	9.24E-12	1.22E-09
1961	471242.49	3818507.85	3.54E-09	1.37E-08	1.82E-10	1.74E-08	2.95E-09	1.01E-08	1.30E-10	1.32E-08	3.34E-10	1.77E-09	3.10E-11	2.13E-09	3.04E-10	9.25E-10	9.38E-12	1.24E-09
1962	471246.05	3818516.68	3.59E-09	1.39E-08	1.84E-10	1.77E-08	2.99E-09	1.02E-08	1.32E-10	1.33E-08	3.39E-10	1.79E-09	3.14E-11	2.16E-09	3.08E-10	9.38E-10	9.51E-12	1.26E-09
1963	471249.6	3818525.51	3.64E-09	1.41E-08	1.87E-10	1.80E-08	3.03E-09	1.04E-08	1.34E-10	1.36E-08	3.44E-10	1.82E-09	3.19E-11	2.19E-09	3.13E-10	9.52E-10	9.66E-12	1.27E-09
1964	471253.15	3818534.33	3.70E-09	1.43E-08	1.90E-10	1.82E-08	3.08E-09	1.05E-08	1.36E-10	1.38E-08	3.49E-10	1.85E-09	3.24E-11	2.23E-09	3.17E-10	9.67E-10	9.80E-12	1.29E-09
1965	471256.71	3818543.16	3.75E-09	1.46E-08	1.93E-10	1.85E-08	3.13E-09	1.07E-08	1.38E-10	1.40E-08	3.54E-10	1.87E-09	3.29E-11	2.26E-09	3.22E-10	9.81E-10	9.95E-12	1.31E-09
1966	471260.26	3818551.99	3.81E-09	1.48E-08	1.96E-10	1.88E-08	3.18E-09	1.09E-08	1.41E-10	1.42E-08	3.60E-10	1.90E-09	3.34E-11	2.30E-09	3.27E-10	9.97E-10	1.01E-11	1.33E-09
1967	471263.82	3818560.82	3.87E-09	1.50E-08	1.99E-10	1.91E-08	3.23E-09	1.10E-08	1.43E-10	1.44E-08	3.66E-10	1.93E-09	3.39E-11	2.33E-09	3.32E-10	1.01E-09	1.03E-11	1.36E-09
1968	471267.37	3818569.64	3.93E-09	1.53E-08	2.02E-10	1.94E-08	3.28E-09	1.12E-08	1.45E-10	1.46E-08	3.72E-10	1.96E-09	3.45E-11	2.37E-09	3.38E-10	1.03E-09	1.04E-11	1.38E-09
1969	471270.92	3818578.47	4.00E-09	1.55E-08	2.05E-10	1.97E-08	3.33E-09	1.14E-08	1.47E-10	1.49E-08	3.77E-10	2.00E-09	3.50E-11	2.41E-09	3.43E-10	1.04E-09	1.06E-11	1.40E-09
1970	471274.48	3818587.3	4.06E-09	1.58E-08	2.09E-10	2.00E-08	3.38E-09	1.16E-08	1.50E-10	1.51E-08	3.84E-10	2.03E-09	3.56E-11	2.45E-09	3.49E-10	1.06E-09	1.08E-11	1.42E-09
1971	471278.03	3818596.13	4.13E-09	1.60E-08	2.12E-10	2.03E-08	3.44E-09	1.18E-08	1.52E-10	1.54E-08	3.90E-10	2.06E-09	3.62E-11	2.49E-09	3.54E-10	1.08E-09	1.09E-11	1.44E-09
1972	471281.59	3818604.96	4.20E-09	1.63E-08	2.16E-10	2.07E-08	3.50E-09	1.20E-08	1.55E-10	1.56E-08	3.96E-10	2.09E-09	3.68E-11	2.53E-09	3.60E-10	1.10E-09	1.11E-11	1.47E-09
1973	471285.14	3818613.78	4.27E-09	1.65E-08	2.19E-10	2.10E-08	3.55E-09	1.22E-08	1.57E-10	1.59E-08	4.03E-10	2.13E-09	3.74E-11	2.57E-09	3.66E-10	1.11E-09	1.13E-11	1.49E-09
1974	471288.69	3818622.61	4.34E-09	1.68E-08	2.23E-10	2.14E-08	3.61E-09	1.24E-08	1.60E-10	1.61E-08	4.10E-10	2.17E-09	3.80E-11	2.61E-09	3.72E-10	1.13E-09	1.15E-11	1.52E-09
1975	471292.25	3818631.44	4.41E-09	1.71E-08	2.27E-10	2.17E-08	3.67E-09	1.26E-08	1.63E-10	1.64E-08	4.16E-10	2.20E-09	3.87E-11	2.66E-09	3.79E-10	1.15E-09	1.17E-11	1.54E-09
1976	471313.57	3818684.4	4.89E-09	1.90E-08	2.51E-10	2.41E-08	4.07E-09	1.39E-08	1.80E-10	1.82E-08	4.61E-10	2.44E-09	4.28E-11	2.94E-09	4.20E-10	1.28E-09	1.30E-11	1.71E-09
1977	471317.13	3818693.23	4.97E-09	1.93E-08	2.55E-10	2.45E-08	4.14E-09	1.42E-08	1.83E-10	1.85E-08	4.69E-10	2.48E-09	4.36E-11	2.99E-09	4.27E-10	1.30E-09	1.32E-11	1.74E-09
1978	471320.68	3818702.06	5.06E-09	1.96E-08	2.60E-10	2.50E-08	4.22E-09	1.44E-08	1.87E-10	1.88E-08	4.78E-10	2.53E-09	4.44E-11	3.05E-09	4.35E-10	1.32E-09	1.34E-11	1.77E-09
1979	471324.23	3818710.89	5.15E-09	2.00E-08	2.65E-10	2.54E-08	4.29E-09	1.47E-08	1.90E-10	1.92E-08	4.86E-10	2.57E-09	4.51E-11	3.10E-09	4.42E-10	1.35E-09	1.36E-11	1.80E-09
1980	471327.79	3818719.71	5.24E-09	2.03E-08	2.69E-10	2.58E-08	4.37E-09	1.49E-08	1.93E-10	1.95E-08	4.95E-10	2.62E-09	4.59E-11	3.16E-09	4.50E-10	1.37E-09	1.39E-11	1.83E-09
1981	471331.34	3818728.54	5.33E-09	2.07E-08	2.74E-10	2.63E-08	4.44E-09	1.52E-08	1.97E-10	1.98E-08	5.04E-10	2.66E-09	4.67E-11	3.21E-09	4.58E-10	1.39E-09	1.41E-11	1.87E-09
1982	471334.89	3818737.37	5.43E-09	2.11E-08	2.79E-10	2.68E-08	4.52E-09	1.55E-08	2.00E-10	2.02E-08	5.13E-10	2.71E-09	4.76E-11	3.27E-09	4.66E-10	1.42E-09	1.44E-11	1.90E-09
1983	471338.45	3818746.2	5.53E-09	2.14E-08	2.84E-10	2.73E-08	4.61E-09	1.58E-08	2.04E-10	2.06E-08	5.22E-10	2.76E-09	4.85E-11	3.33E-09	4.75E-10	1.45E-09	1.47E-11	1.94E-09
1984	471342	3818755.03	5.63E-09	2.18E-08	2.89E-10	2.78E-08	4.69E-09	1.61E-08	2.08E-10	2.10E-08	5.32E-10	2.81E-09	4.94E-11	3.39E-09	4.84E-10	1.47E-09	1.49E-11	1.97E-09
1985	471345.56	3818763.85	5.73E-09	2.22E-08	2.95E-10	2.83E-08	4.78E-09	1.63E-08	2.11E-10	2.13E-08	5.41E-10	2.86E-09	5.02E-11	3.45E-09	4.92E-10	1.50E-09	1.52E-11	2.01E-09
1986	471349.11	3818772.68	5.84E-09	2.26E-08	3.00E-10	2.88E-08	4.86E-09	1.66E-08	2.15E-10	2.17E-08	5.51E-10	2.92E-09	5.12E-11	3.52E-09	5.01E-10	1.53E-09	1.55E-11	2.04E-09
1987	471352.66	3818781.51	5.94E-09	2.31E-08	3.05E-10	2.93E-08	4.95E-09	1.69E-08	2.19E-10	2.21E-08	5.61E-10	2.97E-09	5.21E-11	3.58E-09	5.10E-10	1.55E-09	1.58E-11	2.08E-09
1988	471356.22	3818790.34	6.05E-09	2.35E-08	3.11E-10	2.98E-08	5.04E-09	1.73E-08	2.23E-10	2.25E-08	5.72E-10	3.02E-09	5.31E-11	3.65E-09	5.20E-10	1.58E-09	1.60E-11	2.12E-09
1989	471359.77	3818799.16	6.17E-09	2.39E-08	3.17E-10	3.04E-08	5.14E-09	1.76E-08	2.27E-10	2.29E-08	5.82E-10	3.08E-09	5.40E-11	3.72E-09	5.29E-10	1.61E-09	1.63E-11	2.16E-09
1990	471363.33	3818807.99	6.28E-09	2.44E-08	3.23E-10	3.10E-08	5.23E-09	1.79E-08	2.32E-10	2.34E-08	5.93E-10	3.14E-09	5.50E-11	3.78E-09	5.39E-10	1.64E-09	1.66E-11	2.20E-09
1991	471366.88	3818816.82	6.40E-09	2.48E-08	3.29E-10	3.15E-08	5.33E-09	1.82E-08	2.36E-10	2.38E-08	6.04E-10	3.19E-09	5.60E-11	3.85E-09	5.49E-10	1.67E-09	1.70E-11	2.24E-09
1992	471370.43	3818825.65	6.52E-09	2.53E-08	3.35E-10	3.21E-08	5.43E-09	1.86E-08	2.40E-10	2.42E-08	6.15E-10	3.25E-09	5.71E-11	3.93E-09	5.59E-10	1.70E-09	1.73E-11	2.28E-09
1993	471373.99	3818834.47	6.64E-09	2.57E-08	3.41E-10	3.27E-08	5.53E-09	1.89E-08	2.45E-10	2.47E-08	6.27E-10	3.31E-09	5.81E-11	4.00E-09	5.70E-10	1.73E-09	1.76E-11	2.32E-09
1994	471381.1	3818852.13	6.88E-09	2.67E-08	3.54E-10	3.39E-08	5.73E-09	1.96E-08	2.54E-10	2.56E-08	6.50E-10	3.44E-09	6.03E-11	4.15E-09	5.91E-10	1.80E-09	1.82E-11	2.41E-09
1995	471384.65	3818860.96	7.01E-09	2.72E-08	3.60E-10	3.46E-08	5.84E-09	2.00E-08	2.59E-10	2.61E-08	6.62E-10	3.50E-09	6.14E-11	4.22E-09	6.02E-10	1.83E-09	1.86E-11	2.45E-09
1996	471388.2	3818869.78	7.14E-09	2.77E-08	3.67E-10	3.52E-08	5.95E-09	2.04E-08	2.63E-10	2.66E-08	6.74E-10	3.57E-09	6.26E-11	4.30E-09	6.13E-10	1.87E-09	1.89E-11	2.50E-09
1997	471391.76	3818878.61	7.27E-09	2.82E-08	3.74E-10	3.58E-08	6.06E-09	2.07E-08	2.68E-10	2.70E-08	6.87E-10	3.63E-09	6.37E-11	4.38E-09	6.24E-10	1.90E-09	1.93E-11	2.54E-09
1998	471395.31	3818887.44	7.41E-09	2.87E-08	3.81E-10	3.65E-08	6.17E-09	2.11E-08	2.73E-10	2.76E-08	6.99E-10	3.70E-09	6.49E-11	4.46E-09	6.36E-10	1.94E-09	1.96E-11	2.59E-09
1999	471398.87	3818896.27	7.54E-09	2.92E-08	3.87E-10	3.72E-08	6.28E-09	2.15E-08	2.78E-10	2.81E-08	7.12E-10	3.77E-09	6.61E-11	4.54E-09	6.47E-10	1.97E-09	2.00E-11	2.64E-09
2000	471402.42	3818905.1	7.68E-09	2.98E-08	3.95E-10	3.79E-08	6.40E-09	2.19E-08	2.83E-10	2.86E-08	7.25E-10	3.83E-09	6.73E-11	4.63E-09	6.59E-10	2.01E-09	2.04E-11	2.69E-09
2001	471405.97	3818913.92	7.82E-09	3.03E-08	4.02E-10	3.85E-08	6.51E-09	2.23E-08	2.88E-10	2.91E-08	7.38E-10	3.90E-09	6.85E-11	4.71E-09	6.71E-10	2.04E-09	2.07E-11	2.74E-09
2002	471409.53	3818922.75	7.96E-09	3.09E-08	4.09E-10	3.92E-08	6.63E-09	2.27E-08	2.94E-10	2.96E-08	7.52E-10	3.97E-09	6.97E-11	4.80E-09	6.83E-10	2.08E-09	2.11E-11	2.79E-09
2003	471413.08	3818931.58	8.10E-09	3.14E-08	4.16E-10	3.99E-08	6.74E-09	2.31E-08	2.99E-10	3.01E-08	7.65E-10	4.04E-09	7.10E-11	4.88E-09	6.95E-10	2.12E-09	2.15E-11	2.83E-09
2004	471420.19	3818949.23	8.38E-09	3.25E-08	4.31E-10	4.13E-08	6.98E-09	2.39E-08	3.09E-10	3.12E-08	7.91E-10	4.18E-09	7.34E-11	5.05E-09	7.19E-10	2.19E-09	2.22E-11	2.93E-09
2005	471423.74	3818958.06	8.53E-09	3.31E-08	4.38E-10	4.20E-08	7.10E-09	2.43E-08	3.14E-10	3.17E-08	8.05E-10	4.26E-09	7.47E-11	5.14E-09	7.32E-10	2.23E-09	2.26E-11	2.98E-09
2006	471427.3	3818966.89	8.67E-09	3.36E-08	4.46E-10	4.28E-08	7.22E-09	2.47E-08	3.20E-10	3.23E-08	8.19E-10	4.33E-09	7.60E-11	5.22E-09	7.44E-10	2.27E-09	2.30E-11	3.03E-09
2007	471430.85	3818975.72	8.82E-09	3.42E-08	4.53E-10	4.35E-08	7.34E-09	2.51E-08	3.25E-10	3.28E-08	8.33E-10	4.40E-09	7.73E-11	5.31E-09	7.57E-10	2.30E-09	2.34E-11	3.09E-09
2008	471434.41	3818984.54	8.96E-09	3.48E-08	4.61E-10	4.42E-08	7.47E-09	2.55E-08	3.31E-10	3.33E-08	8.46E-10	4.47E-09	7.85E-11	5.40E-09	7.69E-10	2.34E-09	2.38E-11	3.14E-09
2009	471437.96	3818993.37	9.11E-09	3.53E-08	4.68E-10	4.49E-08	7.59E-09	2.60E-08	3.36E-10	3.39E-08	8.60E-10	4.55E-09	7.98E-11	5.49E-09	7.82E-10	2.38E-09	2.41E-11	3.19E-09
2010	471441.51	3819002.2	9.25E-09	3.59E-08	4.75E-10	4.56E-08	7.71E-09	2.64E-08	3.41E-10	3.44E-08	8.74E-10	4.62E-09	8.11E-11	5.58E-09	7.94E-10	2.42E-09	2.45E-11	3.24E-09
2011	471445.07	3819011.03	9.40E-09	3.65E-08	4.83E-10	4.63E-08	7.83E-09	2.68E-08	3.47E-10	3.50E-08	8.88E-10	4.69E-09	8.24E-11	5.66E-09	8.07E-10	2.46E-09	2.49E-11	3.29E-09
2012	471448.62	3819019.85	9.54E-09	3.70E-08	4.90E-10	4.71E-08	7.95E-09	2.72E-08	3.52E-10	3.55E-08	9.01E-10	4.77E-09	8.36E-11	5.75E-09	8.19E-10	2.50E-09	2.53E-11	3.34E

2013	471452.18	3819028.68	9.69E-09	3.76E-08	4.98E-10	4.78E-08	8.07E-09	2.76E-08	3.57E-10	3.60E-08	9.15E-10	4.84E-09	8.49E-11	5.84E-09	8.32E-10	2.53E-09	2.57E-11	3.39E-09
2014	471462.84	3819055.17	1.01E-08	3.92E-08	5.20E-10	4.99E-08	8.43E-09	2.88E-08	3.73E-10	3.76E-08	9.56E-10	5.05E-09	8.87E-11	6.10E-09	8.69E-10	2.65E-09	2.68E-11	3.54E-09
2015	471466.39	3819063.99	1.03E-08	3.98E-08	5.27E-10	5.06E-08	8.54E-09	2.92E-08	3.78E-10	3.82E-08	9.69E-10	5.12E-09	8.99E-11	6.18E-09	8.81E-10	2.68E-09	2.72E-11	3.59E-09
2016	471469.94	3819072.82	1.04E-08	4.03E-08	5.34E-10	5.12E-08	8.66E-09	2.96E-08	3.83E-10	3.87E-08	9.82E-10	5.19E-09	9.11E-11	6.26E-09	8.92E-10	2.72E-09	2.76E-11	3.64E-09
2017	471473.5	3819081.65	1.05E-08	4.08E-08	5.41E-10	5.19E-08	8.77E-09	3.00E-08	3.88E-10	3.92E-08	9.94E-10	5.26E-09	9.23E-11	6.34E-09	9.04E-10	2.75E-09	2.79E-11	3.68E-09
2018	471477.05	3819090.48	1.07E-08	4.13E-08	5.48E-10	5.26E-08	8.88E-09	3.04E-08	3.93E-10	3.97E-08	1.01E-09	5.32E-09	9.34E-11	6.42E-09	9.15E-10	2.79E-09	2.83E-11	3.73E-09
2019	471480.61	3819099.3	1.08E-08	4.19E-08	5.54E-10	5.32E-08	8.99E-09	3.08E-08	3.98E-10	4.01E-08	1.02E-09	5.39E-09	9.46E-11	6.50E-09	9.26E-10	2.82E-09	2.86E-11	3.78E-09
2020	471484.16	3819108.13	1.09E-08	4.23E-08	5.61E-10	5.38E-08	9.09E-09	3.11E-08	4.03E-10	4.06E-08	1.03E-09	5.45E-09	9.57E-11	6.58E-09	9.37E-10	2.85E-09	2.89E-11	3.82E-09
2021	471487.71	3819116.96	1.10E-08	4.28E-08	5.67E-10	5.44E-08	9.20E-09	3.15E-08	4.07E-10	4.11E-08	1.04E-09	5.51E-09	9.68E-11	6.65E-09	9.48E-10	2.89E-09	2.93E-11	3.86E-09
2022	471491.27	3819125.79	1.12E-08	4.33E-08	5.74E-10	5.50E-08	9.30E-09	3.18E-08	4.12E-10	4.15E-08	1.05E-09	5.57E-09	9.78E-11	6.73E-09	9.58E-10	2.92E-09	2.96E-11	3.91E-09
2023	471494.82	3819134.61	1.13E-08	4.38E-08	5.80E-10	5.56E-08	9.40E-09	3.22E-08	4.16E-10	4.20E-08	1.07E-09	5.63E-09	9.89E-11	6.80E-09	9.69E-10	2.95E-09	2.99E-11	3.95E-09
2024	471501.93	3819152.27	1.15E-08	4.46E-08	5.91E-10	5.67E-08	9.58E-09	3.28E-08	4.24E-10	4.28E-08	1.09E-09	5.74E-09	1.01E-10	6.93E-09	9.88E-10	3.01E-09	3.05E-11	4.03E-09
2025	471505.48	3819161.1	1.16E-08	4.50E-08	5.97E-10	5.73E-08	9.67E-09	3.31E-08	4.28E-10	4.32E-08	1.10E-09	5.80E-09	1.02E-10	7.00E-09	9.97E-10	3.04E-09	3.08E-11	4.06E-09
2026	471509.04	3819169.92	1.17E-08	4.54E-08	6.02E-10	5.78E-08	9.76E-09	3.34E-08	4.32E-10	4.36E-08	1.11E-09	5.85E-09	1.03E-10	7.06E-09	1.01E-09	3.06E-09	3.11E-11	4.10E-09
2027	471512.59	3819178.75	1.18E-08	4.58E-08	6.07E-10	5.82E-08	9.84E-09	3.37E-08	4.36E-10	4.39E-08	1.12E-09	5.90E-09	1.04E-10	7.12E-09	1.01E-09	3.09E-09	3.13E-11	4.13E-09
2028	471516.15	3819187.58	1.19E-08	4.62E-08	6.12E-10	5.87E-08	9.92E-09	3.39E-08	4.39E-10	4.43E-08	1.12E-09	5.95E-09	1.04E-10	7.17E-09	1.02E-09	3.11E-09	3.16E-11	4.17E-09
2029	471519.7	3819196.41	1.20E-08	4.65E-08	6.16E-10	5.91E-08	9.99E-09	3.42E-08	4.42E-10	4.46E-08	1.13E-09	5.99E-09	1.05E-10	7.23E-09	1.03E-09	3.14E-09	3.18E-11	4.20E-09
2030	471523.25	3819205.24	1.21E-08	4.69E-08	6.21E-10	5.96E-08	1.01E-08	3.44E-08	4.46E-10	4.49E-08	1.14E-09	6.03E-09	1.06E-10	7.28E-09	1.04E-09	3.16E-09	3.20E-11	4.23E-09
2031	471526.81	3819214.06	1.22E-08	4.72E-08	6.25E-10	6.00E-08	1.01E-08	3.47E-08	4.49E-10	4.52E-08	1.15E-09	6.07E-09	1.07E-10	7.33E-09	1.04E-09	3.18E-09	3.22E-11	4.26E-09
2032	471530.36	3819222.89	1.22E-08	4.75E-08	6.29E-10	6.03E-08	1.02E-08	3.49E-08	4.51E-10	4.55E-08	1.16E-09	6.11E-09	1.07E-10	7.37E-09	1.05E-09	3.20E-09	3.24E-11	4.28E-09
2033	470184.11	3817977.08	8.09E-09	3.14E-08	4.16E-10	3.99E-08	6.74E-09	2.31E-08	2.98E-10	3.01E-08	7.64E-10	4.04E-09	7.09E-11	4.87E-09	6.95E-10	2.11E-09	2.14E-11	2.83E-09
2034	470174.55	3817976.94	8.14E-09	3.16E-08	4.18E-10	4.01E-08	6.78E-09	2.32E-08	3.00E-10	3.03E-08	7.68E-10	4.06E-09	7.13E-11	4.90E-09	6.99E-10	2.13E-09	2.16E-11	2.85E-09
2035	470164.99	3817976.81	8.18E-09	3.17E-08	4.21E-10	4.03E-08	6.82E-09	2.33E-08	3.02E-10	3.04E-08	7.73E-10	4.09E-09	7.17E-11	4.93E-09	7.03E-10	2.14E-09	2.17E-11	2.86E-09
2036	470155.42	3817976.67	8.22E-09	3.19E-08	4.22E-10	4.05E-08	6.85E-09	2.34E-08	3.03E-10	3.06E-08	7.76E-10	4.10E-09	7.20E-11	4.95E-09	7.06E-10	2.15E-09	2.18E-11	2.88E-09
2037	470145.86	3817976.54	8.25E-09	3.20E-08	4.24E-10	4.07E-08	6.87E-09	2.35E-08	3.04E-10	3.07E-08	7.79E-10	4.12E-09	7.23E-11	4.97E-09	7.08E-10	2.16E-09	2.19E-11	2.89E-09
2038	470136.3	3817976.4	8.27E-09	3.21E-08	4.25E-10	4.08E-08	6.89E-09	2.36E-08	3.05E-10	3.08E-08	7.81E-10	4.13E-09	7.25E-11	4.98E-09	7.10E-10	2.16E-09	2.19E-11	2.89E-09
2039	470126.74	3817976.27	8.28E-09	3.21E-08	4.25E-10	4.08E-08	6.90E-09	2.36E-08	3.05E-10	3.08E-08	7.82E-10	4.13E-09	7.26E-11	4.99E-09	7.11E-10	2.16E-09	2.19E-11	2.90E-09
2040	470370.21	3817928.85	5.79E-09	2.25E-08	2.98E-10	2.86E-08	4.82E-09	1.65E-08	2.14E-10	2.15E-08	5.47E-10	2.89E-09	5.08E-11	3.49E-09	4.97E-10	1.51E-09	1.54E-11	2.03E-09
2041	470378.99	3817932.61	5.73E-09	2.22E-08	2.94E-10	2.82E-08	4.77E-09	1.63E-08	2.11E-10	2.13E-08	5.41E-10	2.86E-09	5.02E-11	3.45E-09	4.92E-10	1.50E-09	1.52E-11	2.00E-09
2042	470387.77	3817936.38	5.66E-09	2.20E-08	2.91E-10	2.79E-08	4.72E-09	1.61E-08	2.09E-10	2.11E-08	5.35E-10	2.83E-09	4.96E-11	3.41E-09	4.86E-10	1.48E-09	1.50E-11	1.98E-09
2043	470396.55	3817940.15	5.61E-09	2.17E-08	2.88E-10	2.76E-08	4.67E-09	1.60E-08	2.07E-10	2.09E-08	5.29E-10	2.80E-09	4.91E-11	3.38E-09	4.81E-10	1.47E-09	1.49E-11	1.96E-09
2044	470405.33	3817943.92	5.56E-09	2.15E-08	2.85E-10	2.74E-08	4.63E-09	1.58E-08	2.05E-10	2.07E-08	5.25E-10	2.77E-09	4.87E-11	3.35E-09	4.77E-10	1.45E-09	1.47E-11	1.94E-09
2045	470414.11	3817947.68	5.51E-09	2.14E-08	2.83E-10	2.72E-08	4.59E-09	1.57E-08	2.03E-10	2.05E-08	5.20E-10	2.75E-09	4.83E-11	3.32E-09	4.73E-10	1.44E-09	1.46E-11	1.93E-09
2046	470422.88	3817951.45	5.47E-09	2.12E-08	2.81E-10	2.70E-08	4.56E-09	1.56E-08	2.02E-10	2.03E-08	5.16E-10	2.73E-09	4.79E-11	3.29E-09	4.69E-10	1.43E-09	1.45E-11	1.91E-09
2047	470431.66	3817955.22	5.43E-09	2.11E-08	2.79E-10	2.68E-08	4.52E-09	1.55E-08	2.00E-10	2.02E-08	5.13E-10	2.71E-09	4.76E-11	3.27E-09	4.66E-10	1.42E-09	1.44E-11	1.90E-09
2048	470440.44	3817958.99	5.40E-09	2.09E-08	2.77E-10	2.66E-08	4.49E-09	1.54E-08	1.99E-10	2.01E-08	5.10E-10	2.69E-09	4.73E-11	3.25E-09	4.63E-10	1.41E-09	1.43E-11	1.89E-09
2049	470449.22	3817962.76	5.36E-09	2.08E-08	2.75E-10	2.64E-08	4.46E-09	1.53E-08	1.98E-10	1.99E-08	5.06E-10	2.68E-09	4.70E-11	3.23E-09	4.60E-10	1.40E-09	1.42E-11	1.88E-09
2050	470458	3817966.52	5.44E-09	2.11E-08	2.79E-10	2.68E-08	4.53E-09	1.55E-08	2.00E-10	2.02E-08	5.13E-10	2.71E-09	4.76E-11	3.27E-09	4.67E-10	1.42E-09	1.44E-11	1.90E-09
2051	470466.78	3817970.29	5.40E-09	2.09E-08	2.77E-10	2.66E-08	4.49E-09	1.54E-08	1.99E-10	2.01E-08	5.10E-10	2.69E-09	4.73E-11	3.25E-09	4.63E-10	1.41E-09	1.43E-11	1.89E-09
2052	470475.56	3817974.06	5.35E-09	2.08E-08	2.75E-10	2.64E-08	4.46E-09	1.53E-08	1.97E-10	1.99E-08	5.05E-10	2.67E-09	4.69E-11	3.22E-09	4.59E-10	1.40E-09	1.42E-11	1.87E-09
2053	470484.33	3817977.83	5.31E-09	2.06E-08	2.73E-10	2.62E-08	4.42E-09	1.51E-08	1.96E-10	1.97E-08	5.01E-10	2.65E-09	4.65E-11	3.20E-09	4.55E-10	1.39E-09	1.41E-11	1.86E-09
2054	470493.11	3817981.6	5.26E-09	2.04E-08	2.70E-10	2.59E-08	4.38E-09	1.50E-08	1.94E-10	1.96E-08	4.96E-10	2.63E-09	4.61E-11	3.17E-09	4.51E-10	1.37E-09	1.39E-11	1.84E-09
2055	470501.89	3817985.36	5.21E-09	2.02E-08	2.68E-10	2.57E-08	4.34E-09	1.48E-08	1.92E-10	1.94E-08	4.92E-10	2.60E-09	4.57E-11	3.14E-09	4.47E-10	1.36E-09	1.38E-11	1.82E-09
2056	470510.67	3817989.13	5.17E-09	2.00E-08	2.65E-10	2.55E-08	4.30E-09	1.47E-08	1.91E-10	1.92E-08	4.88E-10	2.58E-09	4.53E-11	3.11E-09	4.44E-10	1.35E-09	1.37E-11	1.81E-09
2057	470519.45	3817992.9	5.12E-09	1.99E-08	2.63E-10	2.53E-08	4.27E-09	1.46E-08	1.89E-10	1.91E-08	4.84E-10	2.56E-09	4.49E-11	3.09E-09	4.40E-10	1.34E-09	1.36E-11	1.79E-09
2058	470528.23	3817996.67	5.08E-09	1.97E-08	2.61E-10	2.51E-08	4.23E-09	1.45E-08	1.87E-10	1.89E-08	4.80E-10	2.54E-09	4.45E-11	3.06E-09	4.36E-10	1.33E-09	1.35E-11	1.78E-09
2059	470537	3818000.43	5.04E-09	1.95E-08	2.59E-10	2.48E-08	4.20E-09	1.44E-08	1.86E-10	1.87E-08	4.76E-10	2.52E-09	4.42E-11	3.04E-09	4.33E-10	1.32E-09	1.34E-11	1.76E-09
2060	470545.78	3818004.2	5.00E-09	1.94E-08	2.57E-10	2.46E-08	4.16E-09	1.42E-08	1.84E-10	1.86E-08	4.72E-10	2.49E-09	4.38E-11	3.01E-09	4.29E-10	1.31E-09	1.32E-11	1.75E-09
2061	470554.56	3818007.97	4.95E-09	1.92E-08	2.54E-10	2.44E-08	4.13E-09	1.41E-08	1.83E-10	1.84E-08	4.68E-10	2.47E-09	4.34E-11	2.98E-09	4.25E-10	1.29E-09	1.31E-11	1.73E-09
2062	470563.34	3818011.74	4.91E-09	1.91E-08	2.52E-10	2.42E-08	4.09E-09	1.40E-08	1.81E-10	1.83E-08	4.64E-10	2.45E-09	4.30E-11	2.96E-09	4.22E-10	1.28E-09	1.30E-11	1.72E-09
2063	470572.12	3818015.51	4.87E-09	1.89E-08	2.50E-10	2.40E-08	4.06E-09	1.39E-08	1.80E-10	1.81E-08	4.60E-10	2.43E-09	4.27E-11	2.94E-09	4.18E-10	1.27E-09	1.29E-11	1.70E-09
2064	470580.9	3818019.27	4.83E-09	1.87E-08	2.48E-10	2.38E-08	4.03E-09	1.38E-08	1.78E-10	1.80E-08	4.56E-10	2.41E-09	4.23E-11	2.91E-09	4.15E-10	1.26E-09	1.28E-11	1.69E-09
2065	470589.68	3818023.04	4.79E-09	1.86E-08	2.46E-10	2.36E-08	3.99E-09	1.37E-08	1.77E-10	1.78E-08	4.53E-10	2.39E-09	4.20E-11	2.89E-09	4.11E-10	1.25E-09	1.27E-11	1.68E-09
2066	470598.45	3818026.81	4.76E-09	1.84E-08	2.44E-10	2.34E-08	3.96E-09	1.36E-08	1.75E-10	1.77E-08	4.49E-10	2.37E-09	4.17E-11	2.87E-09	4.08E-10	1.24E-09	1.26E-11	1.66E-09
2067	470607.23	3818030.58	4.72E-09	1.83E-08	2.43E-10	2.33E-08	3.93E-09	1.35E-08	1.74E-10	1.76E-08	4.46E-10	2.36E-09	4.14E-11	2.85E-09	4.05E-10	1.23E-09	1.25E-11	1.65E-09
2068	470616.01	3818034.34	4.69E-09	1.82E-08	2.41E-10	2.31E-08	3.91E-09	1.34E-08	1.73E-10	1.74E-08	4.43E-10	2.34E-09	4.11E-11	2.83E-09	4.03E-10	1.23E-09	1.24E-11	1.64E-09
2069	470624.79	3818038.11	4.66E-09	1.81E-08	2.39E-10	2.30E-08	3.88E-09	1.33E-08	1.72E-10	1.73E-08	4.40E-10	2.33E-09	4.08E-11	2.81E-09	4.00E-10	1.22E-09	1.23E-11	1.63E-09
2070	470633.57	3818041.88	4.63E-09	1.80E-08	2.38E-10	2.28E-08	3.86E-09	1.32E-08	1.71E-10	1.72E-08	4.37E-10	2.31E-09	4.06E-11	2.79E-09	3.97E-10	1.21E-09	1.23E-11	1.62E-09
2071	470642.35	3818045.65	4.60E-09	1.78E-08	2.36E-10	2.27E-08	3.83E-09	1.31E-08	1.69E-10	1.71E-08	4.34E-10	2.29E-09	4.03E-11	2.77E-09	3.95E-10	1.20E-09	1.22E-11	1.61E-09
2072	470651.12	3818049.42	4.57E-09	1.77E-08	2.35E-10	2.25E-08	3.80E-09	1.30E-08	1.68E-10	1.70E-08	4.31E-10	2.28E-09	4.00E-11	2.75E-09	3.92E-10	1.19E-09	1.21E-11	1.60E-09
2073	470659.9	3818053.18	4.53E-09	1.76E-08	2.33E-10	2.23E-08	3.77E-09	1.29E-08	1.67E-10	1.69E-08	4.28E-10	2.26E-09	3.97E-11	2.73E-09	3.89E-10	1.18E-09	1.20E-11	1.59E-09
2074	470668.68	3818056.95	4.50E-09	1.74E-08	2.31E-10	2.22E-08	3.75E-09	1.28E-08	1.66E-10	1.67E-08	4.25E-10	2.25E-09	3.94E-11	2.71E-09	3.86E-10	1.18E-09	1.19E-11	1.57E-09
2075	470677.46	3818060.72	4.47E-09	1.73E-08	2.29E-10	2.20E-08	3.72E-09	1.27E-08	1.65E-10	1.66E-08	4.22E-10	2.23E-09	3.91E-11	2.69E-09	3.83E-10	1.17E-09	1.18E-11	1.56E-09
2076	470686.24	3818064.49	4.43E-09	1.72E-08	2.28E-10	2.19E-08	3.69E-09	1.26E-08	1.63E-10	1.65E-08	4.19E-10	2.21E-09	3.88E-11	2.67E-09	3.80E-10	1.16E-09	1.18E-11	1.55E-09
2077	470695.02	3818068.25	4.40E-09	1.71E-08	2.26E-10	2.17E-08	3.66E-09	1.25E-08	1.62E-10	1.64E-08	4.15E-10	2.20E-09	3.86E-11	2.65E-09	3.78E-10	1.15E-09	1.17E-11	1.54E-09
2078	470703.8	3818072.02	4.37E-09	1.69E-08	2.24E-10	2.15E-08	3.64E-09	1.24E-08	1.61E-10	1.62E-08	4.12E-10	2.18E-09	3.83E-11	2.63E-09	3.75E-10	1.14E-09	1.16E-11	1.53E-09
2079	470712.57	3818075.79	4.33E-09	1.68E-08	2.23E-10	2.14E-08	3.61E-09	1.24E-08	1.60E-10	1.61E-08	4.09E-10	2.16E-09	3.80E-11	2.61E-09	3.72E-10	1.13E-09	1.15E-11	1.52E-09
2080	470721.35	3818079.56	4.30E-09	1.67E-08	2.21E-10	2.12E-08	3.58E-09	1.22E-08	1.59E-10	1.60E-08	4.06E-10	2.15E-09	3.77E-11	2.59E-09	3.69E-10	1.12E-09	1.14E-11	1.50E-09
2081	470730.13	3818083.33	4.26E-09	1.65E-08	2.19E-10	2.10E-08	3.55E-09	1.21E-08	1.57E-10	1.59E-08	4.02E-10	2.13E-09	3.73E-11	2.57E-09	3.66E-10	1.11E-09	1.13E-11	1.49E-09
2082	470738.91	3818087.09	4.23E-09	1.64E-08	2.17E-10	2.08E-08	3.52E-09	1.20E-08	1.56E-10	1.57E-08	3.99E-10	2.11E-09	3.70E-11	2.55E-09	3.63E-10	1.10E-09	1.12E-11	1.48E-09
2083	470747.69	3818090.86	4.20E-09	1.63E-08	2.16E-10	2.07E-08	3.50E-09	1.20E-08	1.55E-10	1.56E-08	3.96E-10	2.09E-09	3.68E-11	2.53E-09	3.60E-10	1.10E-09	1.11E-11	1.47E-09
2084	470756.47	3818094.63	4.17E-09	1.62E-08	2.14E-10	2.05E-08	3.47E-09	1.19E-08	1.54E-10	1.55E-08	3.93E-10	2.08E-09	3.65E-11	2.51E-09	3.58E-10	1.09E-09	1.10E-11	1.46E-09
2085	470765.24	3818098.4	4.13E-09	1.60E-08	2.12E-10	2.04E-08	3.44E-09	1.18E-08	1.52E-10	1.54E-08	3.90E-10	2.06E-09	3.62E-11	2.49E-09	3.55E-10	1.08E-09	1.10E-11	1.45E-09
2086	470774.02	3818102.16	4.10E-09	1.59E-08	2.11E-10	2.02E-08	3.41E-09	1.17E-08	1.51E-10	1.52E-08	3.87E-10	2.05E-09	3.59E-11	2.47E-09	3.52E-10	1.07E-09	1.09E-11	1.43E-09
2087	470782.8	3818105.93	4.07E-09	1.58E-08	2.09E-10	2.00E-08	3.39E-09	1.16E-08	1.50E-10	1.51E-08	3.84E-10	2.03E-09	3.56E-11	2.45E-09	3.49E-10	1.06E-09	1.08E-11	1.42E-09
2088	470791.58	3818109.7	4.03E-09	1.56E-08	2.07E-10	1.99E-08	3.36E-09	1.15E-08	1.49E-10	1.50E-08	3.80E-10	2.01E-09	3.53E-11	2.43E-09	3.46E-10	1.05E-09	1.07E-11	1.41E-09
2089	470800.36	3818113.47	4.00E-09	1.55E-08	2.05E-10	1.97E-08	3.33E-09	1.14E-08	1.47E-10	1.49E-08	3.77E-10	2.00E-09	3.50E-11	2.41E-09	3.43E-10	1.04E-09	1.06E-11	1.40E-09
2090	470809.14	3818117.24	3.96E-09	1.54E-08	2.03E-10	1.95E-08	3.30E-09	1.13E-08	1.46E-10	1.47E-08	3.74E-10	1.98E-09	3.47E-11	2.39E-09	3.40E-10	1.04E-09	1.05E-11	1.39E-09
2091	470817.92	3818121	3.93E-09	1.52E-08	2.02E-10	1.94E-08	3.27E-09	1.12E-08	1.45E-10	1.46E-08	3.71E-10	1.96E-09	3.44E-11	2.37E-09	3.37E-10	1.03E-09	1.04E-11	1.37E-09
2092	470826.69	3818124.77	3.89E-09	1.51E-08	2.00E-10	1.92E-08	3.24E-09	1.11E-08	1.43E-10	1.45E-08	3.67E-10	1.94E-09	3.41E-11	2.34E-09	3.34E-10	1.02E-09	1.03E-11	1.36E-09
2093	470835.47	3818128.54	3.86E-09	1.50E-08	1.98E-10	1.90E-08	3.21E-09	1.10E-08	1.42E-10	1.43E-08	3.64E-10	1.93E-09	3.38E-11	2.32E-09	3.31E-10	1.01E-09	1.02E-11	1.35E-09
2094	470844.25	3818132.31	3.82E-09	1.48E-08	1.96E-10	1.88E-08	3.18E-09	1.09E-08	1.41E-10	1.42E-08	3.61E-10	1.91E-09	3.35E-11	2.30E-09	3.28E-10	9.99E-10	1.01E-11	1.34E-09
2095	470853.03	3818136.07	3.79E-09	1.47E-08	1.94E-10	1.87E-08	3.15E-09	1.08E-08	1.40E-10	1.41E-08	3.57E-10	1.89E-09	3.32E-11	2.28E-09	3.25E-10	9.89E-10	1.00E-11	1.32E-09
2096	470861.81	3818139.84	3.75E-09	1.46E-08	1.93E-10	1.85E-08	3.13E-09	1.07E-08	1.38E-10	1.40E-08	3.54E-10	1.87E-09	3.29E-11	2.26E-09	3.22E-10	9.81E-10	9.95E-12	1.31E-09
2097	470870.59	3818143.61	3.72E-09	1.44E-08	1.91E-10	1.83E-08	3.10E-09	1.06E-08	1.37E-10	1.38E-08	3.51E-10	1.86E-09	3.26E-11	2.24E-09	3.19E-10	9.71E-10	9.85E-12	1.30E-09
2098	470879.37	3818147.38	3.68E-09	1.43E-08	1.89E-10	1.81E-08	3.06E-09	1.05E-08	1.36E-10	1.37E-08	3.47E-10	1.84E-09	3.22E-11	2.22E-09	3.16E-10	9.62E-10	9.75E-12	1.29E-09
2099	470888.14	3818151.15	3.64E-09	1.41E-08	1.87E-10	1.80E-08	3.03E-09	1.04E-08	1.34E-10	1.36E-08	3.44E-10	1.82E-09	3.19E-11	2.19E-09	3.13E-10	9.52E-10	9.66E-12	1.27E-09
2100	470896.92	3818154.91	3.61E-09	1.40E-08	1.85E-10	1.78E-08	3.00E-09	1.03E-08	1.33E-10	1.34E-08	3.41E-10	1.80E-09	3.16E-11	2.17E-09	3.10E-10	9.43E-10	9.56E-12	1.26E-09
2101	470905.7	3818158.68	3.57E-09	1.38E-08	1.83E-10	1.76E-08	2.97E-09	1.02E-08	1.32E-10	1.33E-08	3.37E-10	1.78E-09	3.13E-11	2.15E-09	3.07E-10	9.33E-10	9.47E-12	1.25E-09
2102	470914.48	3818162.45	3.53E-09	1.37E-08	1.81E-10	1.74E-08	2.94E-09	1.01E-08	1.30E-10	1.31E-08	3.33E-10	1.76E-09	3.09E-11	2.13E-09	3.03E-10	9.23E-10	9.36E-12	1.24E-09
2103	470923.26	3818166.22	3.49E-09	1.36E-08	1.80E-10	1.72E-08	2.91E-09	9.96E-09	1.29E-10	1.30E-08	3.30E-10	1.74E-09	3.06E-11	2.11E-09	3.00E-10	9.13E-10	9.26E-12	1.22E-09
2104	470932.04	3818169.98	3.45E-09	1.34E-08	1.77E-10	1.70E-08	2.88E-09	9.84E-09	1.27E-10	1.28E-08	3.26E-10	1.72E-09	3.03E-11	2.08E-09	2.97E-10	9.03E-10	9.16E-12	1.21E-09
2105	470940.81	3818173.75	3.41E-09	1.32E-08	1.75E-10	1.68E-08	2.84E-09	9.72E-09	1.26E-10	1.27E-08	3.22E-10	1.70E-09	2.99E-11	2.05E-09	2.93E-10	8.92E-10	9.04E-12	1.19E-09
2106	470949.59	3818177.52	3.37E-09	1.31E-08	1.73E-10	1.66E-08	2.80E-09	9.60E-09	1.24E-10	1.25E-08	3.18E-10	1.68E-09	2.95E-11	2.03E-09	2.89E-10	8.80E-10	8.93E-12	1.18E-09
2107	470958.37	3818181.29	3.33E-09	1.29E-08	1.71E-10	1.64E-08	2.77E-09	9.49E-09	1.23E-10	1.24E-08	3.15E-10	1.66E-09	2.92E-11	2.01E-09	2.86E-10	8.71E-10	8.83E-12	1.17E-09
2108	470967.15	3818185.06	3.29E-09	1.28E-08	1.69E-10	1.62E-08	2.74E-09	9.39E-09	1.21E-10	1.23E-08	3.11E-10	1.64E-09	2.89E-11	1.98E-09	2.83E-10	8.61E-10	8.73E-12	1.15E-09

2109	470975.93	3818188.82	3.26E-09	1.26E-08	1.67E-10	1.61E-08	2.71E-09	9.28E-09	1.20E-10	1.21E-08	3.08E-10	1.63E-09	2.85E-11	1.96E-09	2.80E-10	8.52E-10	8.64E-12	1.14E-09
2110	470984.71	3818192.59	3.23E-09	1.25E-08	1.66E-10	1.59E-08	2.69E-09	9.19E-09	1.19E-10	1.20E-08	3.05E-10	1.61E-09	2.83E-11	1.94E-09	2.77E-10	8.43E-10	8.55E-12	1.13E-09
2111	470993.49	3818196.36	3.19E-09	1.24E-08	1.64E-10	1.57E-08	2.66E-09	9.10E-09	1.18E-10	1.19E-08	3.01E-10	1.59E-09	2.80E-11	1.92E-09	2.74E-10	8.35E-10	8.46E-12	1.12E-09
2112	471002.26	3818200.13	3.16E-09	1.23E-08	1.63E-10	1.56E-08	2.63E-09	9.02E-09	1.17E-10	1.18E-08	2.99E-10	1.58E-09	2.77E-11	1.91E-09	2.72E-10	8.27E-10	8.39E-12	1.11E-09
2113	471011.04	3818203.9	3.13E-09	1.21E-08	1.61E-10	1.54E-08	2.61E-09	8.92E-09	1.15E-10	1.16E-08	2.96E-10	1.56E-09	2.74E-11	1.89E-09	2.69E-10	8.18E-10	8.30E-12	1.10E-09
2114	471019.82	3818207.66	3.10E-09	1.20E-08	1.59E-10	1.53E-08	2.58E-09	8.83E-09	1.14E-10	1.15E-08	2.93E-10	1.55E-09	2.71E-11	1.87E-09	2.66E-10	8.10E-10	8.21E-12	1.08E-09
2115	471028.6	3818211.43	3.07E-09	1.19E-08	1.57E-10	1.51E-08	2.55E-09	8.74E-09	1.13E-10	1.14E-08	2.89E-10	1.53E-09	2.69E-11	1.85E-09	2.63E-10	8.01E-10	8.13E-12	1.07E-09
2116	471037.38	3818215.2	3.03E-09	1.18E-08	1.56E-10	1.49E-08	2.53E-09	8.64E-09	1.12E-10	1.13E-08	2.86E-10	1.51E-09	2.66E-11	1.83E-09	2.60E-10	7.93E-10	8.04E-12	1.06E-09
2117	471046.16	3818218.97	3.01E-09	1.17E-08	1.55E-10	1.48E-08	2.50E-09	8.57E-09	1.11E-10	1.12E-08	2.84E-10	1.50E-09	2.64E-11	1.81E-09	2.58E-10	7.86E-10	7.97E-12	1.05E-09
2118	471054.93	3818222.73	2.98E-09	1.16E-08	1.53E-10	1.47E-08	2.48E-09	8.50E-09	1.10E-10	1.11E-08	2.82E-10	1.49E-09	2.61E-11	1.80E-09	2.56E-10	7.79E-10	7.90E-12	1.04E-09
2119	471063.71	3818226.5	2.95E-09	1.15E-08	1.52E-10	1.46E-08	2.46E-09	8.41E-09	1.09E-10	1.10E-08	2.79E-10	1.47E-09	2.59E-11	1.78E-09	2.53E-10	7.72E-10	7.83E-12	1.03E-09
2120	471072.49	3818230.27	2.92E-09	1.13E-08	1.50E-10	1.44E-08	2.44E-09	8.33E-09	1.08E-10	1.09E-08	2.76E-10	1.46E-09	2.56E-11	1.76E-09	2.51E-10	7.64E-10	7.75E-12	1.02E-09
2121	471107.61	3818245.34	2.82E-09	1.09E-08	1.45E-10	1.39E-08	2.35E-09	8.03E-09	1.04E-10	1.05E-08	2.66E-10	1.41E-09	2.47E-11	1.70E-09	2.42E-10	7.37E-10	7.47E-12	9.86E-10
2122	471116.38	3818249.11	2.79E-09	1.08E-08	1.43E-10	1.38E-08	2.33E-09	7.96E-09	1.03E-10	1.04E-08	2.64E-10	1.39E-09	2.45E-11	1.68E-09	2.40E-10	7.30E-10	7.40E-12	9.77E-10
2123	471125.16	3818252.88	2.77E-09	1.07E-08	1.42E-10	1.37E-08	2.31E-09	7.90E-09	1.02E-10	1.03E-08	2.62E-10	1.38E-09	2.43E-11	1.67E-09	2.38E-10	7.24E-10	7.35E-12	9.70E-10
2124	471133.94	3818256.64	2.75E-09	1.07E-08	1.41E-10	1.36E-08	2.29E-09	7.83E-09	1.01E-10	1.02E-08	2.60E-10	1.37E-09	2.41E-11	1.66E-09	2.36E-10	7.19E-10	7.29E-12	9.62E-10
2125	471142.72	3818260.41	2.73E-09	1.06E-08	1.40E-10	1.34E-08	2.27E-09	7.77E-09	1.01E-10	1.01E-08	2.58E-10	1.36E-09	2.39E-11	1.64E-09	2.34E-10	7.13E-10	7.23E-12	9.54E-10
2126	471151.5	3818264.18	2.71E-09	1.05E-08	1.39E-10	1.33E-08	2.25E-09	7.71E-09	9.98E-11	1.01E-08	2.55E-10	1.35E-09	2.37E-11	1.63E-09	2.32E-10	7.07E-10	7.17E-12	9.47E-10
2127	471160.28	3818267.95	2.69E-09	1.04E-08	1.38E-10	1.32E-08	2.24E-09	7.66E-09	9.91E-11	9.99E-09	2.54E-10	1.34E-09	2.35E-11	1.62E-09	2.31E-10	7.02E-10	7.12E-12	9.40E-10
2128	471169.05	3818271.72	2.67E-09	1.04E-08	1.37E-10	1.32E-08	2.22E-09	7.61E-09	9.84E-11	9.93E-09	2.52E-10	1.33E-09	2.34E-11	1.61E-09	2.29E-10	6.98E-10	7.08E-12	9.34E-10
2129	471177.83	3818275.48	2.65E-09	1.03E-08	1.36E-10	1.31E-08	2.21E-09	7.55E-09	9.78E-11	9.86E-09	2.50E-10	1.32E-09	2.32E-11	1.60E-09	2.28E-10	6.93E-10	7.03E-12	9.27E-10
2130	471186.61	3818279.25	2.64E-09	1.02E-08	1.35E-10	1.30E-08	2.20E-09	7.51E-09	9.72E-11	9.81E-09	2.49E-10	1.32E-09	2.31E-11	1.59E-09	2.26E-10	6.89E-10	6.99E-12	9.22E-10
2131	471195.39	3818283.02	2.62E-09	1.02E-08	1.35E-10	1.29E-08	2.18E-09	7.47E-09	9.67E-11	9.75E-09	2.48E-10	1.31E-09	2.30E-11	1.58E-09	2.25E-10	6.85E-10	6.95E-12	9.17E-10
2132	471204.17	3818286.79	2.61E-09	1.01E-08	1.34E-10	1.29E-08	2.17E-09	7.43E-09	9.61E-11	9.70E-09	2.46E-10	1.30E-09	2.28E-11	1.57E-09	2.24E-10	6.82E-10	6.91E-12	9.12E-10
2133	471212.95	3818290.55	2.59E-09	1.01E-08	1.33E-10	1.28E-08	2.16E-09	7.39E-09	9.56E-11	9.64E-09	2.45E-10	1.29E-09	2.27E-11	1.56E-09	2.23E-10	6.78E-10	6.87E-12	9.07E-10
2134	471221.73	3818294.32	2.58E-09	1.00E-08	1.33E-10	1.27E-08	2.15E-09	7.36E-09	9.52E-11	9.60E-09	2.44E-10	1.29E-09	2.26E-11	1.56E-09	2.22E-10	6.75E-10	6.84E-12	9.03E-10
2135	471230.5	3818298.09	2.57E-09	9.97E-09	1.32E-10	1.27E-08	2.14E-09	7.33E-09	9.48E-11	9.56E-09	2.43E-10	1.28E-09	2.25E-11	1.55E-09	2.21E-10	6.72E-10	6.81E-12	9.00E-10
2136	471242.85	3818310.72	2.58E-09	1.00E-08	1.33E-10	1.27E-08	2.15E-09	7.36E-09	9.52E-11	9.60E-09	2.44E-10	1.29E-09	2.26E-11	1.56E-09	2.22E-10	6.75E-10	6.84E-12	9.03E-10
2137	471246.42	3818319.58	2.60E-09	1.01E-08	1.34E-10	1.28E-08	2.17E-09	7.42E-09	9.60E-11	9.68E-09	2.46E-10	1.30E-09	2.28E-11	1.57E-09	2.23E-10	6.81E-10	6.90E-12	9.11E-10
2138	471249.99	3818328.44	2.63E-09	1.02E-08	1.35E-10	1.29E-08	2.19E-09	7.48E-09	9.68E-11	9.77E-09	2.48E-10	1.31E-09	2.30E-11	1.58E-09	2.25E-10	6.86E-10	6.96E-12	9.19E-10
2139	471253.55	3818337.3	2.65E-09	1.03E-08	1.36E-10	1.31E-08	2.21E-09	7.55E-09	9.78E-11	9.86E-09	2.50E-10	1.32E-09	2.32E-11	1.60E-09	2.28E-10	6.93E-10	7.03E-12	9.27E-10
2140	471257.12	3818346.17	2.68E-09	1.04E-08	1.38E-10	1.32E-08	2.23E-09	7.63E-09	9.87E-11	9.95E-09	2.53E-10	1.34E-09	2.35E-11	1.61E-09	2.30E-10	7.00E-10	7.09E-12	9.36E-10
2141	471260.69	3818355.03	2.70E-09	1.05E-08	1.39E-10	1.33E-08	2.25E-09	7.70E-09	9.96E-11	1.00E-08	2.55E-10	1.35E-09	2.37E-11	1.63E-09	2.32E-10	7.06E-10	7.16E-12	9.45E-10
2142	471264.26	3818363.89	2.73E-09	1.06E-08	1.40E-10	1.35E-08	2.27E-09	7.78E-09	1.01E-10	1.02E-08	2.58E-10	1.36E-09	2.39E-11	1.65E-09	2.34E-10	7.14E-10	7.24E-12	9.56E-10
2143	471267.82	3818372.75	2.76E-09	1.07E-08	1.42E-10	1.36E-08	2.30E-09	7.86E-09	1.02E-10	1.03E-08	2.61E-10	1.38E-09	2.42E-11	1.66E-09	2.37E-10	7.21E-10	7.32E-12	9.66E-10
2144	471271.39	3818381.61	2.79E-09	1.08E-08	1.43E-10	1.37E-08	2.32E-09	7.95E-09	1.03E-10	1.04E-08	2.63E-10	1.39E-09	2.44E-11	1.68E-09	2.39E-10	7.29E-10	7.39E-12	9.76E-10
2145	471274.96	3818390.47	2.82E-09	1.09E-08	1.45E-10	1.39E-08	2.35E-09	8.04E-09	1.04E-10	1.05E-08	2.66E-10	1.41E-09	2.47E-11	1.70E-09	2.42E-10	7.38E-10	7.48E-12	9.87E-10
2146	471278.53	3818399.34	2.85E-09	1.11E-08	1.47E-10	1.41E-08	2.38E-09	8.13E-09	1.05E-10	1.06E-08	2.70E-10	1.43E-09	2.50E-11	1.72E-09	2.45E-10	7.46E-10	7.57E-12	9.99E-10
2147	471282.09	3818408.2	2.89E-09	1.12E-08	1.48E-10	1.42E-08	2.40E-09	8.23E-09	1.06E-10	1.07E-08	2.73E-10	1.44E-09	2.53E-11	1.74E-09	2.48E-10	7.55E-10	7.65E-12	1.01E-09
2148	471285.66	3818417.06	2.92E-09	1.13E-08	1.50E-10	1.44E-08	2.44E-09	8.33E-09	1.08E-10	1.09E-08	2.76E-10	1.46E-09	2.56E-11	1.76E-09	2.51E-10	7.64E-10	7.75E-12	1.02E-09
2149	471289.23	3818425.92	2.96E-09	1.15E-08	1.52E-10	1.46E-08	2.47E-09	8.43E-09	1.09E-10	1.10E-08	2.79E-10	1.48E-09	2.59E-11	1.78E-09	2.54E-10	7.74E-10	7.85E-12	1.04E-09
2150	471314.2	3818487.95	3.26E-09	1.26E-08	1.67E-10	1.61E-08	2.71E-09	9.28E-09	1.20E-10	1.21E-08	3.08E-10	1.63E-09	2.85E-11	1.96E-09	2.80E-10	8.52E-10	8.64E-12	1.14E-09
2151	471317.77	3818496.82	3.31E-09	1.28E-08	1.70E-10	1.63E-08	2.75E-09	9.42E-09	1.22E-10	1.23E-08	3.12E-10	1.65E-09	2.90E-11	1.99E-09	2.84E-10	8.64E-10	8.76E-12	1.16E-09
2152	471321.34	3818505.68	3.35E-09	1.30E-08	1.72E-10	1.65E-08	2.79E-09	9.55E-09	1.24E-10	1.25E-08	3.17E-10	1.67E-09	2.94E-11	2.02E-09	2.88E-10	8.76E-10	8.89E-12	1.17E-09
2153	471324.91	3818514.54	3.40E-09	1.32E-08	1.75E-10	1.68E-08	2.83E-09	9.70E-09	1.26E-10	1.27E-08	3.21E-10	1.70E-09	2.98E-11	2.05E-09	2.92E-10	8.90E-10	9.02E-12	1.19E-09
2154	471328.47	3818523.4	3.45E-09	1.34E-08	1.77E-10	1.70E-08	2.88E-09	9.84E-09	1.27E-10	1.28E-08	3.26E-10	1.72E-09	3.03E-11	2.08E-09	2.97E-10	9.03E-10	9.16E-12	1.21E-09
2155	471332.04	3818532.26	3.51E-09	1.36E-08	1.80E-10	1.73E-08	2.92E-09	9.99E-09	1.29E-10	1.30E-08	3.31E-10	1.75E-09	3.07E-11	2.11E-09	3.01E-10	9.16E-10	9.29E-12	1.23E-09
2156	471335.61	3818541.12	3.56E-09	1.38E-08	1.83E-10	1.75E-08	2.97E-09	1.01E-08	1.31E-10	1.32E-08	3.36E-10	1.78E-09	3.12E-11	2.14E-09	3.06E-10	9.31E-10	9.44E-12	1.25E-09
2157	471339.18	3818549.99	3.61E-09	1.40E-08	1.86E-10	1.78E-08	3.01E-09	1.03E-08	1.33E-10	1.34E-08	3.41E-10	1.80E-09	3.17E-11	2.18E-09	3.10E-10	9.45E-10	9.58E-12	1.26E-09
2158	471342.74	3818558.85	3.67E-09	1.42E-08	1.89E-10	1.81E-08	3.06E-09	1.05E-08	1.35E-10	1.37E-08	3.47E-10	1.83E-09	3.22E-11	2.21E-09	3.15E-10	9.60E-10	9.74E-12	1.29E-09
2159	471346.31	3818567.71	3.73E-09	1.45E-08	1.92E-10	1.84E-08	3.11E-09	1.06E-08	1.38E-10	1.39E-08	3.52E-10	1.86E-09	3.27E-11	2.25E-09	3.20E-10	9.75E-10	9.89E-12	1.31E-09
2160	471349.88	3818576.57	3.79E-09	1.47E-08	1.95E-10	1.87E-08	3.16E-09	1.08E-08	1.40E-10	1.41E-08	3.58E-10	1.89E-09	3.32E-11	2.28E-09	3.25E-10	9.90E-10	1.00E-11	1.33E-09
2161	471353.45	3818585.43	3.85E-09	1.49E-08	1.98E-10	1.90E-08	3.20E-09	1.10E-08	1.42E-10	1.43E-08	3.63E-10	1.92E-09	3.37E-11	2.32E-09	3.30E-10	1.01E-09	1.02E-11	1.35E-09
2162	471357.01	3818594.29	3.91E-09	1.52E-08	2.01E-10	1.93E-08	3.26E-09	1.11E-08	1.44E-10	1.45E-08	3.69E-10	1.95E-09	3.43E-11	2.35E-09	3.36E-10	1.02E-09	1.04E-11	1.37E-09
2163	471360.58	3818603.16	3.97E-09	1.54E-08	2.04E-10	1.96E-08	3.31E-09	1.13E-08	1.47E-10	1.48E-08	3.75E-10	1.98E-09	3.48E-11	2.39E-09	3.41E-10	1.04E-09	1.05E-11	1.39E-09
2164	471364.15	3818612.02	4.04E-09	1.57E-08	2.07E-10	1.99E-08	3.36E-09	1.15E-08	1.49E-10	1.50E-08	3.81E-10	2.01E-09	3.54E-11	2.43E-09	3.46E-10	1.06E-09	1.07E-11	1.41E-09
2165	471367.72	3818620.88	4.10E-09	1.59E-08	2.11E-10	2.02E-08	3.42E-09	1.17E-08	1.51E-10	1.53E-08	3.87E-10	2.05E-09	3.59E-11	2.47E-09	3.52E-10	1.07E-09	1.09E-11	1.44E-09
2166	471371.29	3818629.74	4.17E-09	1.62E-08	2.14E-10	2.06E-08	3.47E-09	1.19E-08	1.54E-10	1.55E-08	3.94E-10	2.08E-09	3.65E-11	2.51E-09	3.58E-10	1.09E-09	1.11E-11	1.46E-09
2167	471374.85	3818638.6	4.24E-09	1.64E-08	2.18E-10	2.09E-08	3.53E-09	1.21E-08	1.56E-10	1.58E-08	4.00E-10	2.12E-09	3.72E-11	2.55E-09	3.64E-10	1.11E-09	1.12E-11	1.48E-09
2168	471378.42	3818647.46	4.31E-09	1.67E-08	2.21E-10	2.12E-08	3.59E-09	1.23E-08	1.59E-10	1.60E-08	4.07E-10	2.15E-09	3.78E-11	2.60E-09	3.70E-10	1.13E-09	1.14E-11	1.51E-09
2169	471381.99	3818656.33	4.38E-09	1.70E-08	2.25E-10	2.16E-08	3.65E-09	1.25E-08	1.62E-10	1.63E-08	4.14E-10	2.19E-09	3.84E-11	2.64E-09	3.76E-10	1.15E-09	1.16E-11	1.53E-09
2170	471385.56	3818665.19	4.45E-09	1.73E-08	2.29E-10	2.20E-08	3.71E-09	1.27E-08	1.64E-10	1.66E-08	4.21E-10	2.22E-09	3.90E-11	2.68E-09	3.82E-10	1.16E-09	1.18E-11	1.56E-09
2171	471389.12	3818674.05	4.53E-09	1.76E-08	2.33E-10	2.23E-08	3.77E-09	1.29E-08	1.67E-10	1.69E-08	4.28E-10	2.26E-09	3.97E-11	2.73E-09	3.89E-10	1.18E-09	1.20E-11	1.59E-09
2172	471392.69	3818682.91	4.61E-09	1.79E-08	2.37E-10	2.27E-08	3.84E-09	1.31E-08	1.70E-10	1.71E-08	4.35E-10	2.30E-09	4.04E-11	2.78E-09	3.95E-10	1.20E-09	1.22E-11	1.61E-09
2173	471396.26	3818691.77	4.68E-09	1.82E-08	2.41E-10	2.31E-08	3.90E-09	1.33E-08	1.73E-10	1.74E-08	4.42E-10	2.34E-09	4.10E-11	2.82E-09	4.02E-10	1.22E-09	1.24E-11	1.64E-09
2174	471399.83	3818700.63	4.76E-09	1.85E-08	2.45E-10	2.35E-08	3.97E-09	1.36E-08	1.76E-10	1.77E-08	4.50E-10	2.38E-09	4.17E-11	2.87E-09	4.09E-10	1.25E-09	1.26E-11	1.67E-09
2175	471403.39	3818709.5	4.84E-09	1.88E-08	2.49E-10	2.39E-08	4.03E-09	1.38E-08	1.79E-10	1.80E-08	4.57E-10	2.42E-09	4.24E-11	2.92E-09	4.16E-10	1.27E-09	1.28E-11	1.69E-09
2176	471406.96	3818718.36	4.93E-09	1.91E-08	2.53E-10	2.43E-08	4.10E-09	1.40E-08	1.82E-10	1.83E-08	4.65E-10	2.46E-09	4.32E-11	2.97E-09	4.23E-10	1.29E-09	1.31E-11	1.72E-09
2177	471410.53	3818727.22	5.01E-09	1.94E-08	2.58E-10	2.47E-08	4.18E-09	1.43E-08	1.85E-10	1.87E-08	4.73E-10	2.50E-09	4.39E-11	3.02E-09	4.30E-10	1.31E-09	1.33E-11	1.75E-09
2178	471414.1	3818736.08	5.10E-09	1.98E-08	2.62E-10	2.51E-08	4.25E-09	1.45E-08	1.88E-10	1.90E-08	4.82E-10	2.55E-09	4.47E-11	3.07E-09	4.38E-10	1.33E-09	1.35E-11	1.79E-09
2179	471417.66	3818744.94	5.19E-09	2.01E-08	2.67E-10	2.56E-08	4.32E-09	1.48E-08	1.91E-10	1.93E-08	4.90E-10	2.59E-09	4.55E-11	3.13E-09	4.45E-10	1.36E-09	1.38E-11	1.82E-09
2180	471421.23	3818753.8	5.28E-09	2.05E-08	2.71E-10	2.60E-08	4.40E-09	1.50E-08	1.95E-10	1.96E-08	4.99E-10	2.64E-09	4.63E-11	3.18E-09	4.53E-10	1.38E-09	1.40E-11	1.85E-09
2181	471424.8	3818762.67	5.37E-09	2.08E-08	2.76E-10	2.65E-08	4.48E-09	1.53E-08	1.98E-10	2.00E-08	5.07E-10	2.68E-09	4.71E-11	3.24E-09	4.61E-10	1.40E-09	1.42E-11	1.88E-09
2182	471428.37	3818771.53	5.47E-09	2.12E-08	2.81E-10	2.70E-08	4.56E-09	1.56E-08	2.02E-10	2.03E-08	5.16E-10	2.73E-09	4.79E-11	3.29E-09	4.69E-10	1.43E-09	1.45E-11	1.91E-09
2183	471431.94	3818780.39	5.56E-09	2.16E-08	2.86E-10	2.74E-08	4.63E-09	1.59E-08	2.05E-10	2.07E-08	5.25E-10	2.78E-09	4.88E-11	3.35E-09	4.78E-10	1.45E-09	1.47E-11	1.95E-09
2184	471435.5	3818789.25	5.66E-09	2.20E-08	2.91E-10	2.79E-08	4.72E-09	1.61E-08	2.09E-10	2.11E-08	5.35E-10	2.83E-09	4.96E-11	3.41E-09	4.86E-10	1.48E-09	1.50E-11	1.98E-09
2185	471439.07	3818798.11	5.76E-09	2.24E-08	2.96E-10	2.84E-08	4.80E-09	1.64E-08	2.13E-10	2.14E-08	5.44E-10	2.88E-09	5.05E-11	3.47E-09	4.95E-10	1.51E-09	1.53E-11	2.02E-09
2186	471442.64	3818806.97	5.86E-09	2.27E-08	3.01E-10	2.89E-08	4.89E-09	1.67E-08	2.16E-10	2.18E-08	5.54E-10	2.93E-09	5.14E-11	3.53E-09	5.03E-10	1.53E-09	1.55E-11	2.05E-09
2187	471446.21	3818815.84	5.97E-09	2.31E-08	3.07E-10	2.94E-08	4.97E-09	1.70E-08	2.20E-10	2.22E-08	5.63E-10	2.98E-09	5.23E-11	3.59E-09	5.12E-10	1.56E-09	1.58E-11	2.09E-09
2188	471449.77	3818824.7	6.08E-09	2.36E-08	3.12E-10	3.00E-08	5.06E-09	1.73E-08	2.24E-10	2.26E-08	5.74E-10	3.03E-09	5.32E-11	3.66E-09	5.22E-10	1.59E-09	1.61E-11	2.13E-09
2189	471453.34	3818833.56	6.18E-09	2.40E-08	3.18E-10	3.05E-08	5.15E-09	1.76E-08	2.28E-10	2.30E-08	5.84E-10	3.09E-09	5.42E-11	3.72E-09	5.31E-10	1.62E-09	1.64E-11	2.16E-09
2190	471460.48	3818851.28	6.40E-09	2.48E-08	3.29E-10	3.16E-08	5.33E-09	1.82E-08	2.36E-10	2.38E-08	6.05E-10	3.20E-09	5.61E-11	3.86E-09	5.50E-10	1.67E-09	1.70E-11	2.24E-09
2191	471464.04	3818860.14	6.52E-09	2.53E-08	3.35E-10	3.21E-08	5.43E-09	1.86E-08	2.40E-10	2.42E-08	6.15E-10	3.25E-09	5.71E-11	3.93E-09	5.59E-10	1.70E-09	1.73E-11	2.28E-09
2192	471467.61	3818869.01	6.63E-09	2.57E-08	3.41E-10	3.27E-08	5.52E-09	1.89E-08	2.44E-10	2.47E-08	6.26E-10	3.31E-09	5.81E-11	3.99E-09	5.69E-10	1.73E-09	1.76E-11	2.32E-09
2193	471471.18	3818877.87	6.74E-09	2.62E-08	3.47E-10	3.33E-08	5.62E-09	1.92E-08	2.49E-10	2.51E-08	6.37E-10	3.37E-09	5.91E-11	4.06E-09	5.79E-10	1.76E-09	1.79E-11	2.36E-09
2194	471474.75	3818886.73	6.86E-09	2.66E-08	3.53E-10	3.38E-08	5.72E-09	1.96E-08	2.53E-10	2.55E-08	6.48E-10	3.43E-09	6.01E-11	4.13E-09	5.89E-10	1.79E-09	1.82E-11	2.40E-09
2195	471478.31	3818895.59	6.98E-09	2.71E-08	3.59E-10	3.44E-08	5.81E-09	1.99E-08	2.57E-10	2.60E-08	6.59E-10	3.49E-09	6.12E-11	4.21E-09	5.99E-10	1.83E-09	1.85E-11	2.44E-09
2196	471481.88	3818904.45	7.10E-09	2.75E-08	3.65E-10	3.50E-08	5.91E-09	2.02E-08	2.62E-10	2.64E-08	6.71E-10	3.55E-09	6.22E-11	4.28E-09	6.10E-10	1.86E-09	1.88E-11	2.48E-09
2197	471485.45	3818913.31	7.22E-09	2.80E-08	3.71E-10	3.56E-08	6.01E-09	2.06E-08	2.66E-10	2.69E-08	6.82E-10	3.61E-09	6.33E-11	4.35E-09	6.20E-10	1.89E-09	1.91E-11	2.53E-09
2198	471489.02	3818922.18	7.34E-09	2.85E-08	3.77E-10	3.62E-08	6.11E-09	2.09E-08	2.71E-10	2.73E-08	6.93E-10	3.67E-09	6.43E-11	4.42E-09	6.30E-10	1.92E-09	1.95E-11	2.57E-09
2199	471492.59	3818931.04	7.46E-09	2.90E-08	3.84E-10	3.68E-08	6.22E-09	2.13E-08	2.75E-10	2.78E-08	7.05E-10	3.73E-09	6.54E-11	4.50E-09	6.41E-10	1.95E-09	1.98E-11	2.61E-09
2200	471499.72	3818948.76	7.71E-09	2.99E-08	3.96E-10	3.80E-08	6.42E-09	2.20E-08	2.84E-10	2.87E-08	7.28E-10	3.85E-09	6.76E-11	4.65E-09	6.62E-10	2.02E-09	2.04E-11	2.70E-09
2201	471503.29	3818957.62	7.84E-09	3.04E-08	4.03E-10	3.86E-08	6.53E-09	2.23E-08	2.89E-10	2.91E-08	7.40E-10	3.91E-09	6.87E-11	4.72E-09	6.73E-10	2.05E-09	2.08E-11	2.74E-09
2202	471506.86	3818966.49	7.96E-09	3.09E-08	4.09E-10	3.93E-08	6.63E-09	2.27E-08	2.94E-10	2.96E-08	7.52E-10	3.98E-09	6.98E-11	4.80E-09	6.84E-10	2.08E-09	2.11E-11	2.79E-09
2203	471510.42	3818975.35	8.09E-09	3.14E-08	4.15E-10	3.99E-08	6.74E-09	2.30E-08	2.98E-10	3.01E-08	7.64E-10	4.04E-09	7.09E-11	4.87E-09	6.94E-10	2.11E-09	2.14E-11	2.83E-09
2204	471513.99	3818984.21	8.21E-09	3.18E-08	4.22E-10	4.05E-08	6.84E-09	2.34E-08	3.03E-10	3.05E-08	7.75E-10	4.10E-09	7.19E-11	4.95E-09	7.05E-10	2.15E-09	2.18E-11

2205	471517.56	3818993.07	8.33E-09	3.23E-08	4.28E-10	4.11E-08	6.94E-09	2.38E-08	3.07E-10	3.10E-08	7.87E-10	4.16E-09	7.30E-11	5.02E-09	7.15E-10	2.18E-09	2.21E-11	2.92E-09
2206	471521.13	3819001.93	8.46E-09	3.28E-08	4.35E-10	4.17E-08	7.05E-09	2.41E-08	3.12E-10	3.15E-08	7.99E-10	4.22E-09	7.41E-11	5.10E-09	7.26E-10	2.21E-09	2.24E-11	2.96E-09
2207	471524.69	3819010.79	8.58E-09	3.33E-08	4.41E-10	4.23E-08	7.15E-09	2.45E-08	3.17E-10	3.19E-08	8.11E-10	4.29E-09	7.52E-11	5.17E-09	7.37E-10	2.24E-09	2.28E-11	3.00E-09
2208	471528.26	3819019.66	8.71E-09	3.38E-08	4.47E-10	4.29E-08	7.25E-09	2.48E-08	3.21E-10	3.24E-08	8.22E-10	4.35E-09	7.63E-11	5.25E-09	7.48E-10	2.28E-09	2.31E-11	3.05E-09
2209	471531.83	3819028.52	8.83E-09	3.42E-08	4.54E-10	4.35E-08	7.35E-09	2.52E-08	3.26E-10	3.28E-08	8.34E-10	4.41E-09	7.74E-11	5.32E-09	7.58E-10	2.31E-09	2.34E-11	3.09E-09
2210	471542.53	3819055.1	9.18E-09	3.56E-08	4.72E-10	4.53E-08	7.65E-09	2.62E-08	3.39E-10	3.42E-08	8.67E-10	4.59E-09	8.05E-11	5.53E-09	7.88E-10	2.40E-09	2.43E-11	3.21E-09
2211	471546.1	3819063.96	9.30E-09	3.61E-08	4.78E-10	4.59E-08	7.75E-09	2.65E-08	3.43E-10	3.46E-08	8.79E-10	4.65E-09	8.15E-11	5.61E-09	7.99E-10	2.43E-09	2.47E-11	3.26E-09
2212	471549.67	3819072.83	9.42E-09	3.65E-08	4.84E-10	4.64E-08	7.84E-09	2.68E-08	3.47E-10	3.50E-08	8.89E-10	4.70E-09	8.25E-11	5.67E-09	8.08E-10	2.46E-09	2.50E-11	3.30E-09
2213	471553.24	3819081.69	9.53E-09	3.70E-08	4.90E-10	4.70E-08	7.94E-09	2.72E-08	3.52E-10	3.55E-08	9.00E-10	4.76E-09	8.35E-11	5.74E-09	8.18E-10	2.49E-09	2.53E-11	3.34E-09
2214	471556.8	3819090.55	9.65E-09	3.74E-08	4.96E-10	4.76E-08	8.03E-09	2.75E-08	3.56E-10	3.59E-08	9.11E-10	4.82E-09	8.45E-11	5.81E-09	8.28E-10	2.52E-09	2.56E-11	3.38E-09
2215	471560.37	3819099.41	9.76E-09	3.78E-08	5.01E-10	4.81E-08	8.13E-09	2.78E-08	3.60E-10	3.63E-08	9.21E-10	4.87E-09	8.55E-11	5.88E-09	8.37E-10	2.55E-09	2.59E-11	3.41E-09
2216	471563.94	3819108.27	9.86E-09	3.82E-08	5.07E-10	4.86E-08	8.21E-09	2.81E-08	3.64E-10	3.67E-08	9.31E-10	4.92E-09	8.64E-11	5.94E-09	8.47E-10	2.58E-09	2.61E-11	3.45E-09
2217	471567.51	3819117.13	9.96E-09	3.86E-08	5.12E-10	4.91E-08	8.30E-09	2.84E-08	3.67E-10	3.71E-08	9.41E-10	4.97E-09	8.73E-11	6.00E-09	8.55E-10	2.60E-09	2.64E-11	3.49E-09
2218	471571.07	3819126	1.01E-08	3.90E-08	5.17E-10	4.96E-08	8.38E-09	2.87E-08	3.71E-10	3.74E-08	9.50E-10	5.02E-09	8.82E-11	6.06E-09	8.64E-10	2.63E-09	2.67E-11	3.52E-09
2219	471574.64	3819134.86	1.02E-08	3.94E-08	5.22E-10	5.01E-08	8.47E-09	2.90E-08	3.75E-10	3.78E-08	9.60E-10	5.07E-09	8.91E-11	6.12E-09	8.72E-10	2.66E-09	2.69E-11	3.56E-09
2220	471581.78	3819152.58	1.03E-08	4.01E-08	5.32E-10	5.10E-08	8.62E-09	2.95E-08	3.82E-10	3.85E-08	9.77E-10	5.17E-09	9.07E-11	6.23E-09	8.88E-10	2.71E-09	2.74E-11	3.62E-09
2221	471585.34	3819161.44	1.04E-08	4.05E-08	5.36E-10	5.15E-08	8.70E-09	2.98E-08	3.85E-10	3.88E-08	9.86E-10	5.21E-09	9.15E-11	6.29E-09	8.96E-10	2.73E-09	2.77E-11	3.65E-09
2222	471588.91	3819170.3	1.05E-08	4.08E-08	5.41E-10	5.19E-08	8.77E-09	3.00E-08	3.88E-10	3.91E-08	9.94E-10	5.25E-09	9.22E-11	6.34E-09	9.03E-10	2.75E-09	2.79E-11	3.68E-09
2223	471592.48	3819179.17	1.06E-08	4.11E-08	5.45E-10	5.23E-08	8.83E-09	3.02E-08	3.91E-10	3.95E-08	1.00E-09	5.30E-09	9.29E-11	6.39E-09	9.10E-10	2.77E-09	2.81E-11	3.71E-09
2224	471596.05	3819188.03	1.07E-08	4.14E-08	5.49E-10	5.27E-08	8.90E-09	3.04E-08	3.94E-10	3.97E-08	1.01E-09	5.33E-09	9.36E-11	6.44E-09	9.17E-10	2.79E-09	2.83E-11	3.74E-09
2225	471599.61	3819196.89	1.08E-08	4.17E-08	5.53E-10	5.30E-08	8.96E-09	3.07E-08	3.97E-10	4.00E-08	1.02E-09	5.37E-09	9.43E-11	6.48E-09	9.23E-10	2.81E-09	2.85E-11	3.76E-09
2226	471603.18	3819205.75	1.08E-08	4.20E-08	5.56E-10	5.34E-08	9.02E-09	3.08E-08	3.99E-10	4.03E-08	1.02E-09	5.40E-09	9.49E-11	6.52E-09	9.29E-10	2.83E-09	2.87E-11	3.79E-09
2227	471606.75	3819214.61	1.09E-08	4.23E-08	5.60E-10	5.37E-08	9.07E-09	3.10E-08	4.02E-10	4.05E-08	1.03E-09	5.44E-09	9.55E-11	6.56E-09	9.35E-10	2.85E-09	2.89E-11	3.81E-09
2228	471610.32	3819223.47	1.10E-08	4.25E-08	5.63E-10	5.40E-08	9.12E-09	3.12E-08	4.04E-10	4.08E-08	1.03E-09	5.47E-09	9.60E-11	6.60E-09	9.40E-10	2.86E-09	2.90E-11	3.83E-09
2229	470146.99	3817896.54	7.40E-09	2.87E-08	3.80E-10	3.65E-08	6.17E-09	2.11E-08	2.73E-10	2.75E-08	6.99E-10	3.70E-09	6.49E-11	4.46E-09	6.36E-10	1.94E-09	1.96E-11	2.59E-09
2230	470137.43	3817896.41	7.42E-09	2.88E-08	3.81E-10	3.66E-08	6.18E-09	2.12E-08	2.74E-10	2.76E-08	7.01E-10	3.71E-09	6.51E-11	4.47E-09	6.37E-10	1.94E-09	1.97E-11	2.60E-09
2231	470127.87	3817896.27	7.44E-09	2.88E-08	3.82E-10	3.67E-08	6.19E-09	2.12E-08	2.74E-10	2.77E-08	7.02E-10	3.71E-09	6.52E-11	4.48E-09	6.38E-10	1.94E-09	1.97E-11	2.60E-09
2232	470309.85	3817822.46	5.63E-09	2.18E-08	2.89E-10	2.77E-08	4.69E-09	1.60E-08	2.07E-10	2.09E-08	5.31E-10	2.81E-09	4.93E-11	3.39E-09	4.83E-10	1.47E-09	1.49E-11	1.97E-09
2233	470318.58	3817826.21	5.58E-09	2.16E-08	2.87E-10	2.75E-08	4.65E-09	1.59E-08	2.06E-10	2.07E-08	5.27E-10	2.78E-09	4.89E-11	3.36E-09	4.79E-10	1.46E-09	1.48E-11	1.95E-09
2234	470327.31	3817829.95	5.53E-09	2.15E-08	2.84E-10	2.73E-08	4.61E-09	1.58E-08	2.04E-10	2.06E-08	5.23E-10	2.76E-09	4.85E-11	3.33E-09	4.75E-10	1.45E-09	1.47E-11	1.94E-09
2235	470336.04	3817833.7	5.49E-09	2.13E-08	2.82E-10	2.71E-08	4.57E-09	1.56E-08	2.02E-10	2.04E-08	5.18E-10	2.74E-09	4.81E-11	3.31E-09	4.71E-10	1.44E-09	1.46E-11	1.92E-09
2236	470344.77	3817837.45	5.45E-09	2.12E-08	2.80E-10	2.69E-08	4.54E-09	1.55E-08	2.01E-10	2.03E-08	5.15E-10	2.72E-09	4.78E-11	3.29E-09	4.68E-10	1.43E-09	1.45E-11	1.91E-09
2237	470353.5	3817841.2	5.42E-09	2.10E-08	2.78E-10	2.67E-08	4.51E-09	1.54E-08	2.00E-10	2.02E-08	5.12E-10	2.70E-09	4.75E-11	3.26E-09	4.65E-10	1.42E-09	1.44E-11	1.90E-09
2238	470362.24	3817844.94	5.42E-09	2.10E-08	2.78E-10	2.67E-08	4.51E-09	1.54E-08	2.00E-10	2.02E-08	5.12E-10	2.70E-09	4.75E-11	3.26E-09	4.65E-10	1.42E-09	1.44E-11	1.90E-09
2239	470370.97	3817848.69	5.38E-09	2.09E-08	2.76E-10	2.65E-08	4.48E-09	1.53E-08	1.98E-10	2.00E-08	5.08E-10	2.68E-09	4.71E-11	3.24E-09	4.62E-10	1.41E-09	1.43E-11	1.88E-09
2240	470379.7	3817852.44	5.34E-09	2.07E-08	2.74E-10	2.63E-08	4.45E-09	1.52E-08	1.97E-10	1.99E-08	5.04E-10	2.67E-09	4.68E-11	3.22E-09	4.59E-10	1.40E-09	1.42E-11	1.87E-09
2241	470388.43	3817856.19	5.30E-09	2.06E-08	2.72E-10	2.61E-08	4.42E-09	1.51E-08	1.96E-10	1.97E-08	5.01E-10	2.65E-09	4.65E-11	3.19E-09	4.55E-10	1.39E-09	1.41E-11	1.86E-09
2242	470397.16	3817859.93	5.26E-09	2.04E-08	2.70E-10	2.59E-08	4.38E-09	1.50E-08	1.94E-10	1.96E-08	4.97E-10	2.63E-09	4.61E-11	3.17E-09	4.52E-10	1.38E-09	1.39E-11	1.84E-09
2243	470405.89	3817863.68	5.22E-09	2.02E-08	2.68E-10	2.57E-08	4.35E-09	1.49E-08	1.92E-10	1.94E-08	4.93E-10	2.60E-09	4.57E-11	3.14E-09	4.48E-10	1.36E-09	1.38E-11	1.83E-09
2244	470414.62	3817867.43	5.18E-09	2.01E-08	2.66E-10	2.55E-08	4.31E-09	1.48E-08	1.91E-10	1.93E-08	4.89E-10	2.59E-09	4.54E-11	3.12E-09	4.44E-10	1.35E-09	1.37E-11	1.81E-09
2245	470423.35	3817871.18	5.14E-09	1.99E-08	2.64E-10	2.53E-08	4.28E-09	1.46E-08	1.89E-10	1.91E-08	4.85E-10	2.57E-09	4.50E-11	3.10E-09	4.41E-10	1.34E-09	1.36E-11	1.80E-09
2246	470432.09	3817874.93	5.10E-09	1.98E-08	2.62E-10	2.51E-08	4.25E-09	1.45E-08	1.88E-10	1.90E-08	4.81E-10	2.55E-09	4.47E-11	3.07E-09	4.38E-10	1.33E-09	1.35E-11	1.78E-09
2247	470440.82	3817878.67	5.05E-09	1.96E-08	2.60E-10	2.49E-08	4.21E-09	1.44E-08	1.86E-10	1.88E-08	4.77E-10	2.52E-09	4.43E-11	3.04E-09	4.34E-10	1.32E-09	1.34E-11	1.77E-09
2248	470449.55	3817882.42	5.01E-09	1.94E-08	2.57E-10	2.47E-08	4.17E-09	1.43E-08	1.85E-10	1.86E-08	4.73E-10	2.50E-09	4.39E-11	3.02E-09	4.30E-10	1.31E-09	1.33E-11	1.75E-09
2249	470458.28	3817886.17	4.96E-09	1.92E-08	2.55E-10	2.44E-08	4.13E-09	1.41E-08	1.83E-10	1.84E-08	4.68E-10	2.48E-09	4.35E-11	2.99E-09	4.26E-10	1.30E-09	1.31E-11	1.74E-09
2250	470467.01	3817889.92	4.92E-09	1.91E-08	2.53E-10	2.42E-08	4.09E-09	1.40E-08	1.81E-10	1.83E-08	4.64E-10	2.45E-09	4.31E-11	2.96E-09	4.22E-10	1.29E-09	1.30E-11	1.72E-09
2251	470475.74	3817893.66	4.87E-09	1.89E-08	2.50E-10	2.40E-08	4.06E-09	1.39E-08	1.80E-10	1.81E-08	4.60E-10	2.43E-09	4.27E-11	2.94E-09	4.18E-10	1.27E-09	1.29E-11	1.70E-09
2252	470484.47	3817897.41	4.83E-09	1.87E-08	2.48E-10	2.38E-08	4.03E-09	1.38E-08	1.78E-10	1.80E-08	4.56E-10	2.41E-09	4.23E-11	2.91E-09	4.15E-10	1.26E-09	1.28E-11	1.69E-09
2253	470493.21	3817901.16	4.79E-09	1.86E-08	2.46E-10	2.36E-08	3.99E-09	1.36E-08	1.77E-10	1.78E-08	4.52E-10	2.39E-09	4.20E-11	2.88E-09	4.11E-10	1.25E-09	1.27E-11	1.68E-09
2254	470501.94	3817904.91	4.75E-09	1.84E-08	2.44E-10	2.34E-08	3.96E-09	1.35E-08	1.75E-10	1.77E-08	4.48E-10	2.37E-09	4.16E-11	2.86E-09	4.08E-10	1.24E-09	1.26E-11	1.66E-09
2255	470510.67	3817908.65	4.71E-09	1.83E-08	2.42E-10	2.32E-08	3.92E-09	1.34E-08	1.74E-10	1.75E-08	4.45E-10	2.35E-09	4.13E-11	2.84E-09	4.04E-10	1.23E-09	1.25E-11	1.65E-09
2256	470519.4	3817912.4	4.67E-09	1.81E-08	2.40E-10	2.30E-08	3.89E-09	1.33E-08	1.72E-10	1.74E-08	4.41E-10	2.33E-09	4.09E-11	2.81E-09	4.01E-10	1.22E-09	1.24E-11	1.63E-09
2257	470528.13	3817916.15	4.63E-09	1.80E-08	2.38E-10	2.28E-08	3.86E-09	1.32E-08	1.71E-10	1.72E-08	4.37E-10	2.31E-09	4.06E-11	2.79E-09	3.97E-10	1.21E-09	1.23E-11	1.62E-09
2258	470536.86	3817919.9	4.59E-09	1.78E-08	2.36E-10	2.26E-08	3.82E-09	1.31E-08	1.69E-10	1.71E-08	4.33E-10	2.29E-09	4.02E-11	2.76E-09	3.94E-10	1.20E-09	1.22E-11	1.60E-09
2259	470545.59	3817923.64	4.55E-09	1.76E-08	2.34E-10	2.24E-08	3.79E-09	1.30E-08	1.68E-10	1.69E-08	4.29E-10	2.27E-09	3.98E-11	2.74E-09	3.90E-10	1.19E-09	1.20E-11	1.59E-09
2260	470554.32	3817927.39	4.51E-09	1.75E-08	2.32E-10	2.22E-08	3.76E-09	1.28E-08	1.66E-10	1.68E-08	4.26E-10	2.25E-09	3.95E-11	2.72E-09	3.87E-10	1.18E-09	1.20E-11	1.58E-09
2261	470563.06	3817931.14	4.47E-09	1.73E-08	2.30E-10	2.20E-08	3.73E-09	1.27E-08	1.65E-10	1.66E-08	4.22E-10	2.23E-09	3.92E-11	2.69E-09	3.84E-10	1.17E-09	1.19E-11	1.56E-09
2262	470571.79	3817934.89	4.44E-09	1.72E-08	2.28E-10	2.19E-08	3.69E-09	1.26E-08	1.64E-10	1.65E-08	4.19E-10	2.21E-09	3.89E-11	2.67E-09	3.81E-10	1.16E-09	1.18E-11	1.55E-09
2263	470580.52	3817938.63	4.40E-09	1.71E-08	2.26E-10	2.17E-08	3.67E-09	1.25E-08	1.62E-10	1.64E-08	4.16E-10	2.20E-09	3.86E-11	2.65E-09	3.78E-10	1.15E-09	1.17E-11	1.54E-09
2264	470589.25	3817942.38	4.37E-09	1.69E-08	2.24E-10	2.15E-08	3.64E-09	1.24E-08	1.61E-10	1.62E-08	4.12E-10	2.18E-09	3.83E-11	2.63E-09	3.75E-10	1.14E-09	1.16E-11	1.53E-09
2265	470597.98	3817946.13	4.33E-09	1.68E-08	2.23E-10	2.13E-08	3.61E-09	1.23E-08	1.60E-10	1.61E-08	4.09E-10	2.16E-09	3.79E-11	2.61E-09	3.72E-10	1.13E-09	1.15E-11	1.52E-09
2266	470606.71	3817949.88	4.30E-09	1.67E-08	2.21E-10	2.12E-08	3.58E-09	1.22E-08	1.59E-10	1.60E-08	4.06E-10	2.15E-09	3.77E-11	2.59E-09	3.69E-10	1.12E-09	1.14E-11	1.50E-09
2267	470615.44	3817953.62	4.27E-09	1.65E-08	2.19E-10	2.10E-08	3.55E-09	1.22E-08	1.57E-10	1.59E-08	4.03E-10	2.13E-09	3.74E-11	2.57E-09	3.66E-10	1.11E-09	1.13E-11	1.49E-09
2268	470624.18	3817957.37	4.23E-09	1.64E-08	2.17E-10	2.09E-08	3.53E-09	1.21E-08	1.56E-10	1.57E-08	4.00E-10	2.11E-09	3.71E-11	2.55E-09	3.63E-10	1.11E-09	1.12E-11	1.48E-09
2269	470632.91	3817961.12	4.20E-09	1.63E-08	2.16E-10	2.07E-08	3.50E-09	1.20E-08	1.55E-10	1.56E-08	3.97E-10	2.10E-09	3.68E-11	2.53E-09	3.61E-10	1.10E-09	1.11E-11	1.47E-09
2270	470641.64	3817964.87	4.17E-09	1.62E-08	2.14E-10	2.06E-08	3.47E-09	1.19E-08	1.54E-10	1.55E-08	3.94E-10	2.08E-09	3.65E-11	2.51E-09	3.58E-10	1.09E-09	1.11E-11	1.46E-09
2271	470650.37	3817968.61	4.14E-09	1.61E-08	2.13E-10	2.04E-08	3.45E-09	1.18E-08	1.53E-10	1.54E-08	3.91E-10	2.07E-09	3.63E-11	2.50E-09	3.56E-10	1.08E-09	1.10E-11	1.45E-09
2272	470659.1	3817972.36	4.11E-09	1.59E-08	2.11E-10	2.03E-08	3.43E-09	1.17E-08	1.52E-10	1.53E-08	3.88E-10	2.05E-09	3.60E-11	2.48E-09	3.53E-10	1.08E-09	1.09E-11	1.44E-09
2273	470667.83	3817976.11	4.08E-09	1.58E-08	2.10E-10	2.01E-08	3.40E-09	1.16E-08	1.50E-10	1.52E-08	3.85E-10	2.04E-09	3.57E-11	2.46E-09	3.50E-10	1.07E-09	1.08E-11	1.43E-09
2274	470676.56	3817979.86	4.05E-09	1.57E-08	2.08E-10	2.00E-08	3.37E-09	1.15E-08	1.49E-10	1.51E-08	3.82E-10	2.02E-09	3.55E-11	2.44E-09	3.48E-10	1.06E-09	1.07E-11	1.42E-09
2275	470685.29	3817983.6	4.02E-09	1.56E-08	2.06E-10	1.98E-08	3.35E-09	1.15E-08	1.48E-10	1.49E-08	3.79E-10	2.01E-09	3.52E-11	2.42E-09	3.45E-10	1.05E-09	1.07E-11	1.41E-09
2276	470694.03	3817987.35	3.99E-09	1.55E-08	2.05E-10	1.97E-08	3.32E-09	1.14E-08	1.47E-10	1.48E-08	3.77E-10	1.99E-09	3.50E-11	2.40E-09	3.42E-10	1.04E-09	1.06E-11	1.40E-09
2277	470702.76	3817991.1	3.96E-09	1.54E-08	2.03E-10	1.95E-08	3.30E-09	1.13E-08	1.46E-10	1.47E-08	3.74E-10	1.98E-09	3.47E-11	2.39E-09	3.40E-10	1.04E-09	1.05E-11	1.39E-09
2278	470711.49	3817994.85	3.93E-09	1.53E-08	2.02E-10	1.94E-08	3.28E-09	1.12E-08	1.45E-10	1.46E-08	3.72E-10	1.96E-09	3.45E-11	2.37E-09	3.38E-10	1.03E-09	1.04E-11	1.38E-09
2279	470720.22	3817998.6	3.90E-09	1.51E-08	2.00E-10	1.92E-08	3.25E-09	1.11E-08	1.44E-10	1.45E-08	3.68E-10	1.95E-09	3.42E-11	2.35E-09	3.35E-10	1.02E-09	1.03E-11	1.37E-09
2280	470728.95	3818002.34	3.87E-09	1.50E-08	1.99E-10	1.91E-08	3.23E-09	1.10E-08	1.43E-10	1.44E-08	3.66E-10	1.93E-09	3.39E-11	2.33E-09	3.32E-10	1.01E-09	1.03E-11	1.36E-09
2281	470737.68	3818006.09	3.84E-09	1.49E-08	1.97E-10	1.89E-08	3.20E-09	1.10E-08	1.42E-10	1.43E-08	3.63E-10	1.92E-09	3.37E-11	2.32E-09	3.30E-10	1.00E-09	1.02E-11	1.34E-09
2282	470746.41	3818009.84	3.81E-09	1.48E-08	1.96E-10	1.88E-08	3.18E-09	1.09E-08	1.41E-10	1.42E-08	3.60E-10	1.90E-09	3.34E-11	2.30E-09	3.27E-10	9.97E-10	1.01E-11	1.33E-09
2283	470755.15	3818013.59	3.79E-09	1.47E-08	1.94E-10	1.87E-08	3.15E-09	1.08E-08	1.40E-10	1.41E-08	3.57E-10	1.89E-09	3.32E-11	2.28E-09	3.25E-10	9.89E-10	1.00E-11	1.32E-09
2284	470763.88	3818017.33	3.76E-09	1.46E-08	1.93E-10	1.85E-08	3.13E-09	1.07E-08	1.39E-10	1.40E-08	3.55E-10	1.88E-09	3.29E-11	2.26E-09	3.22E-10	9.82E-10	9.96E-12	1.31E-09
2285	470772.61	3818021.08	3.73E-09	1.45E-08	1.91E-10	1.84E-08	3.10E-09	1.06E-08	1.37E-10	1.39E-08	3.52E-10	1.86E-09	3.27E-11	2.25E-09	3.20E-10	9.74E-10	9.88E-12	1.30E-09
2286	470781.34	3818024.83	3.70E-09	1.43E-08	1.90E-10	1.82E-08	3.08E-09	1.05E-08	1.36E-10	1.38E-08	3.49E-10	1.85E-09	3.24E-11	2.23E-09	3.17E-10	9.67E-10	9.80E-12	1.29E-09
2287	470790.07	3818028.58	3.67E-09	1.42E-08	1.89E-10	1.81E-08	3.06E-09	1.05E-08	1.35E-10	1.37E-08	3.47E-10	1.83E-09	3.22E-11	2.21E-09	3.15E-10	9.60E-10	9.74E-12	1.29E-09
2288	470798.8	3818032.32	3.65E-09	1.41E-08	1.87E-10	1.80E-08	3.04E-09	1.04E-08	1.34E-10	1.36E-08	3.44E-10	1.82E-09	3.20E-11	2.20E-09	3.13E-10	9.53E-10	9.67E-12	1.28E-09
2289	470807.53	3818036.07	3.62E-09	1.40E-08	1.86E-10	1.79E-08	3.02E-09	1.03E-08	1.34E-10	1.35E-08	3.42E-10	1.81E-09	3.17E-11	2.18E-09	3.11E-10	9.47E-10	9.60E-12	1.27E-09
2290	470816.26	3818039.82	3.60E-09	1.39E-08	1.85E-10	1.77E-08	3.00E-09	1.02E-08	1.33E-10	1.34E-08	3.40E-10	1.80E-09	3.15E-11	2.17E-09	3.09E-10	9.40E-10	9.53E-12	1.26E-09
2291	470825	3818043.57	3.57E-09	1.38E-08	1.83E-10	1.76E-08	2.97E-09	1.02E-08	1.32E-10	1.33E-08	3.37E-10	1.78E-09	3.13E-11	2.15E-09	3.07E-10	9.33E-10	9.47E-12	1.25E-09
2292	470833.73	3818047.31	3.55E-09	1.38E-08	1.82E-10	1.75E-08	2.95E-09	1.01E-08	1.31E-10	1.32E-08	3.35E-10	1.77E-09	3.11E-11	2.14E-09	3.04E-10	9.27E-10	9.40E-12	1.24E-09
2293	470842.46	3818051.06	3.52E-09	1.36E-08	1.81E-10	1.73E-08	2.93E-09	1.00E-08	1.30E-10	1.31E-08	3.32E-10	1.76E-09	3.08E-11	2.12E-09	3.02E-10	9.19E-10	9.32E-12	1.23E-09
2294	470851.19	3818054.81	3.49E-09	1.35E-08	1.79E-10	1.72E-08	2.90E-09	9.94E-09	1.29E-10	1.30E-08	3.29E-10	1.74E-09	3.06E-11	2.10E-09	2.99E-10	9.12E-10	9.24E-12	1.22E-09
2295	470859.92	3818058.56	3.46E-09	1.34E-08	1.78E-10	1.70E-08	2.88E-09	9.85E-09	1.28E-10	1.29E-08	3.27E-10	1.73E-09	3.03E-11	2.08E-09	2.97E-10	9.04E-10	9.17E-12	1.21E-09
2296	470868.65	3818062.3	3.43E-09	1.33E-08	1.76E-10	1.69E-08	2.86E-09	9.78E-09	1.27E-10	1.28E-08	3.24E-10	1.71E-09	3.01E-11	2.07E-09	2.95E-10	8.97E-10	9.10E-12	1.20E-09
2297	470877.38	3818066.05	3.40E-09	1.32E-08	1.75E-10	1.68E-08	2.83E-09	9.70E-09	1.26E-10	1.27E-08	3.21E-10	1.70E-09	2.98E-11	2.05E-09	2.92E-10	8.90E-10	9.02E-12	1.19E-09
2298	470886.12	3818069.8	3.37E-09	1.31E-08	1.73E-10	1.66E-08	2.81E-09	9.62E-09	1.24E-10	1.26E-08	3.19E-10	1.68E-09	2.96E-11	2.03E-09	2.90E-10	8.82E-10	8.95E-12	1.18E-09
2299	470894.85	3818073.55	3.35E-09	1.30E-08	1.72E-10	1.65E-08	2.79E-09	9.54E-09	1.24E-10	1.25E-08	3.16E-10	1.67E-09	2.93E-11	2.02E-09	2.87E-10	8.75E-10	8.88E-12	1.17E-09
2300	470903.58	3818077.29	3.32E-09	1.29E-08	1.71E-10	1.64E-08	2.77E-09	9.46E-09	1.22E-10	1.23E-08	3.13E-10	1.66E-09	2.91E-11	2.00E-09	2.85E-10	8.68E-10	8.80E-12	1

2301	470912.31	3818081.04	3.29E-09	1.28E-08	1.69E-10	1.62E-08	2.74E-09	9.38E-09	1.21E-10	1.22E-08	3.11E-10	1.64E-09	2.88E-11	1.98E-09	2.82E-10	8.60E-10	8.72E-12	1.15E-09
2302	470921.04	3818084.79	3.26E-09	1.27E-08	1.68E-10	1.61E-08	2.72E-09	9.30E-09	1.20E-10	1.21E-08	3.08E-10	1.63E-09	2.86E-11	1.96E-09	2.80E-10	8.53E-10	8.65E-12	1.14E-09
2303	470929.77	3818088.54	3.24E-09	1.26E-08	1.66E-10	1.60E-08	2.70E-09	9.22E-09	1.19E-10	1.20E-08	3.06E-10	1.62E-09	2.84E-11	1.95E-09	2.78E-10	8.46E-10	8.58E-12	1.13E-09
2304	470938.5	3818092.28	3.21E-09	1.24E-08	1.65E-10	1.58E-08	2.67E-09	9.14E-09	1.18E-10	1.19E-08	3.03E-10	1.60E-09	2.81E-11	1.93E-09	2.75E-10	8.38E-10	8.50E-12	1.12E-09
2305	470947.24	3818096.03	3.18E-09	1.23E-08	1.63E-10	1.57E-08	2.65E-09	9.06E-09	1.17E-10	1.18E-08	3.00E-10	1.59E-09	2.78E-11	1.91E-09	2.73E-10	8.31E-10	8.42E-12	1.11E-09
2306	470955.97	3818099.78	3.15E-09	1.22E-08	1.62E-10	1.55E-08	2.62E-09	8.96E-09	1.16E-10	1.17E-08	2.97E-10	1.57E-09	2.76E-11	1.89E-09	2.70E-10	8.22E-10	8.34E-12	1.10E-09
2307	470964.7	3818103.53	3.11E-09	1.21E-08	1.60E-10	1.53E-08	2.59E-09	8.87E-09	1.15E-10	1.16E-08	2.94E-10	1.55E-09	2.73E-11	1.88E-09	2.67E-10	8.14E-10	8.25E-12	1.09E-09
2308	470973.43	3818107.27	3.08E-09	1.19E-08	1.58E-10	1.52E-08	2.57E-09	8.78E-09	1.14E-10	1.15E-08	2.91E-10	1.54E-09	2.70E-11	1.86E-09	2.64E-10	8.05E-10	8.16E-12	1.08E-09
2309	470982.16	3818111.02	3.05E-09	1.18E-08	1.57E-10	1.50E-08	2.54E-09	8.68E-09	1.12E-10	1.13E-08	2.88E-10	1.52E-09	2.67E-11	1.84E-09	2.62E-10	7.97E-10	8.08E-12	1.07E-09
2310	470990.89	3818114.77	3.01E-09	1.17E-08	1.55E-10	1.48E-08	2.51E-09	8.58E-09	1.11E-10	1.12E-08	2.84E-10	1.50E-09	2.64E-11	1.81E-09	2.58E-10	7.87E-10	7.98E-12	1.05E-09
2311	470999.62	3818118.52	2.98E-09	1.16E-08	1.53E-10	1.47E-08	2.48E-09	8.49E-09	1.10E-10	1.11E-08	2.81E-10	1.49E-09	2.61E-11	1.79E-09	2.56E-10	7.79E-10	7.89E-12	1.04E-09
2312	471008.35	3818122.26	2.94E-09	1.14E-08	1.51E-10	1.45E-08	2.45E-09	8.38E-09	1.08E-10	1.09E-08	2.78E-10	1.47E-09	2.58E-11	1.77E-09	2.53E-10	7.69E-10	7.80E-12	1.03E-09
2313	471017.09	3818126.01	2.92E-09	1.13E-08	1.50E-10	1.44E-08	2.43E-09	8.31E-09	1.08E-10	1.08E-08	2.75E-10	1.46E-09	2.56E-11	1.76E-09	2.50E-10	7.62E-10	7.73E-12	1.02E-09
2314	471025.82	3818129.76	2.89E-09	1.12E-08	1.49E-10	1.43E-08	2.41E-09	8.24E-09	1.07E-10	1.08E-08	2.73E-10	1.44E-09	2.53E-11	1.74E-09	2.48E-10	7.56E-10	7.66E-12	1.01E-09
2315	471034.55	3818133.51	2.87E-09	1.11E-08	1.47E-10	1.41E-08	2.39E-09	8.17E-09	1.06E-10	1.07E-08	2.71E-10	1.43E-09	2.51E-11	1.73E-09	2.46E-10	7.49E-10	7.60E-12	1.00E-09
2316	471043.28	3818137.26	2.84E-09	1.10E-08	1.46E-10	1.40E-08	2.37E-09	8.10E-09	1.05E-10	1.06E-08	2.69E-10	1.42E-09	2.49E-11	1.71E-09	2.44E-10	7.43E-10	7.54E-12	9.95E-10
2317	471052.01	3818141	2.81E-09	1.09E-08	1.45E-10	1.39E-08	2.34E-09	8.02E-09	1.04E-10	1.05E-08	2.66E-10	1.41E-09	2.47E-11	1.70E-09	2.42E-10	7.36E-10	7.46E-12	9.85E-10
2318	471060.74	3818144.75	2.79E-09	1.08E-08	1.43E-10	1.37E-08	2.32E-09	7.94E-09	1.03E-10	1.04E-08	2.63E-10	1.39E-09	2.44E-11	1.68E-09	2.39E-10	7.28E-10	7.38E-12	9.75E-10
2319	471069.47	3818148.5	2.76E-09	1.07E-08	1.42E-10	1.36E-08	2.30E-09	7.85E-09	1.02E-10	1.03E-08	2.60E-10	1.38E-09	2.42E-11	1.66E-09	2.37E-10	7.20E-10	7.31E-12	9.64E-10
2320	471078.21	3818152.25	2.73E-09	1.06E-08	1.40E-10	1.35E-08	2.27E-09	7.78E-09	1.01E-10	1.02E-08	2.58E-10	1.36E-09	2.39E-11	1.65E-09	2.34E-10	7.14E-10	7.24E-12	9.56E-10
2321	471086.94	3818155.99	2.70E-09	1.05E-08	1.39E-10	1.33E-08	2.25E-09	7.70E-09	9.96E-11	1.00E-08	2.55E-10	1.35E-09	2.37E-11	1.63E-09	2.32E-10	7.06E-10	7.16E-12	9.45E-10
2322	471095.67	3818159.74	2.68E-09	1.04E-08	1.38E-10	1.32E-08	2.23E-09	7.63E-09	9.87E-11	9.95E-09	2.53E-10	1.34E-09	2.35E-11	1.61E-09	2.30E-10	7.00E-10	7.09E-12	9.36E-10
2323	471104.4	3818163.49	2.65E-09	1.03E-08	1.36E-10	1.31E-08	2.21E-09	7.55E-09	9.78E-11	9.86E-09	2.50E-10	1.32E-09	2.32E-11	1.60E-09	2.28E-10	6.93E-10	7.03E-12	9.27E-10
2324	471139.32	3818178.48	2.55E-09	9.90E-09	1.31E-10	1.26E-08	2.13E-09	7.27E-09	9.41E-11	9.49E-09	2.41E-10	1.27E-09	2.24E-11	1.54E-09	2.19E-10	6.67E-10	6.77E-12	8.93E-10
2325	471148.06	3818182.23	2.53E-09	9.82E-09	1.30E-10	1.25E-08	2.11E-09	7.21E-09	9.33E-11	9.41E-09	2.39E-10	1.26E-09	2.22E-11	1.52E-09	2.17E-10	6.62E-10	6.71E-12	8.86E-10
2326	471156.79	3818185.97	2.51E-09	9.73E-09	1.29E-10	1.24E-08	2.09E-09	7.15E-09	9.25E-11	9.33E-09	2.37E-10	1.25E-09	2.20E-11	1.51E-09	2.15E-10	6.56E-10	6.65E-12	8.78E-10
2327	471165.52	3818189.72	2.49E-09	9.65E-09	1.28E-10	1.23E-08	2.07E-09	7.09E-09	9.17E-11	9.25E-09	2.35E-10	1.24E-09	2.18E-11	1.50E-09	2.14E-10	6.50E-10	6.59E-12	8.70E-10
2328	471174.25	3818193.47	2.47E-09	9.56E-09	1.27E-10	1.22E-08	2.05E-09	7.03E-09	9.09E-11	9.17E-09	2.33E-10	1.23E-09	2.16E-11	1.49E-09	2.12E-10	6.44E-10	6.54E-12	8.63E-10
2329	471182.98	3818197.22	2.45E-09	9.49E-09	1.26E-10	1.21E-08	2.04E-09	6.97E-09	9.02E-11	9.10E-09	2.31E-10	1.22E-09	2.14E-11	1.47E-09	2.10E-10	6.40E-10	6.49E-12	8.56E-10
2330	471191.71	3818200.96	2.43E-09	9.42E-09	1.25E-10	1.20E-08	2.02E-09	6.92E-09	8.96E-11	9.03E-09	2.29E-10	1.21E-09	2.13E-11	1.46E-09	2.09E-10	6.35E-10	6.44E-12	8.50E-10
2331	471200.44	3818204.71	2.41E-09	9.35E-09	1.24E-10	1.19E-08	2.01E-09	6.87E-09	8.89E-11	8.97E-09	2.28E-10	1.20E-09	2.11E-11	1.45E-09	2.07E-10	6.30E-10	6.39E-12	8.44E-10
2332	471209.18	3818208.46	2.40E-09	9.29E-09	1.23E-10	1.18E-08	2.00E-09	6.83E-09	8.84E-11	8.91E-09	2.26E-10	1.20E-09	2.10E-11	1.44E-09	2.06E-10	6.26E-10	6.35E-12	8.38E-10
2333	471217.91	3818212.21	2.38E-09	9.22E-09	1.22E-10	1.17E-08	1.98E-09	6.78E-09	8.77E-11	8.85E-09	2.25E-10	1.19E-09	2.08E-11	1.43E-09	2.04E-10	6.22E-10	6.30E-12	8.32E-10
2334	471226.64	3818215.95	2.36E-09	9.17E-09	1.21E-10	1.17E-08	1.97E-09	6.74E-09	8.72E-11	8.79E-09	2.23E-10	1.18E-09	2.07E-11	1.42E-09	2.03E-10	6.18E-10	6.27E-12	8.27E-10
2335	471235.37	3818219.7	2.35E-09	9.11E-09	1.21E-10	1.16E-08	1.96E-09	6.69E-09	8.66E-11	8.74E-09	2.22E-10	1.17E-09	2.06E-11	1.42E-09	2.02E-10	6.14E-10	6.23E-12	8.22E-10
2336	471244.1	3818223.45	2.34E-09	9.07E-09	1.20E-10	1.15E-08	1.95E-09	6.66E-09	8.62E-11	8.70E-09	2.21E-10	1.17E-09	2.05E-11	1.41E-09	2.01E-10	6.11E-10	6.20E-12	8.18E-10
2337	471252.83	3818227.2	2.32E-09	9.01E-09	1.19E-10	1.15E-08	1.94E-09	6.62E-09	8.57E-11	8.64E-09	2.19E-10	1.16E-09	2.04E-11	1.40E-09	1.99E-10	6.07E-10	6.16E-12	8.13E-10
2338	471261.56	3818230.94	2.31E-09	8.97E-09	1.19E-10	1.14E-08	1.93E-09	6.59E-09	8.53E-11	8.60E-09	2.18E-10	1.15E-09	2.03E-11	1.39E-09	1.99E-10	6.05E-10	6.13E-12	8.09E-10
2339	471270.29	3818234.69	2.30E-09	8.93E-09	1.18E-10	1.13E-08	1.92E-09	6.56E-09	8.49E-11	8.56E-09	2.17E-10	1.15E-09	2.02E-11	1.39E-09	1.98E-10	6.02E-10	6.10E-12	8.05E-10
2340	471279.03	3818238.44	2.29E-09	8.88E-09	1.18E-10	1.13E-08	1.91E-09	6.53E-09	8.45E-11	8.52E-09	2.16E-10	1.14E-09	2.01E-11	1.38E-09	1.97E-10	5.99E-10	6.07E-12	8.02E-10
2341	471287.76	3818242.19	2.28E-09	8.86E-09	1.17E-10	1.13E-08	1.90E-09	6.51E-09	8.42E-11	8.49E-09	2.16E-10	1.14E-09	2.00E-11	1.38E-09	1.96E-10	5.97E-10	6.05E-12	7.99E-10
2342	471300.04	3818254.75	2.29E-09	8.88E-09	1.18E-10	1.13E-08	1.91E-09	6.53E-09	8.45E-11	8.52E-09	2.16E-10	1.14E-09	2.01E-11	1.38E-09	1.97E-10	5.99E-10	6.07E-12	8.02E-10
2343	471303.59	3818263.56	2.31E-09	8.95E-09	1.19E-10	1.14E-08	1.92E-09	6.58E-09	8.52E-11	8.59E-09	2.18E-10	1.15E-09	2.02E-11	1.39E-09	1.98E-10	6.04E-10	6.12E-12	8.08E-10
2344	471307.13	3818272.38	2.33E-09	9.03E-09	1.20E-10	1.15E-08	1.94E-09	6.63E-09	8.58E-11	8.66E-09	2.20E-10	1.16E-09	2.04E-11	1.40E-09	2.00E-10	6.08E-10	6.17E-12	8.14E-10
2345	471310.68	3818281.19	2.35E-09	9.11E-09	1.21E-10	1.16E-08	1.96E-09	6.69E-09	8.66E-11	8.74E-09	2.22E-10	1.17E-09	2.06E-11	1.42E-09	2.02E-10	6.14E-10	6.23E-12	8.22E-10
2346	471314.23	3818290.01	2.37E-09	9.18E-09	1.22E-10	1.17E-08	1.97E-09	6.75E-09	8.73E-11	8.80E-09	2.24E-10	1.18E-09	2.07E-11	1.43E-09	2.03E-10	6.19E-10	6.27E-12	8.28E-10
2347	471317.78	3818298.82	2.39E-09	9.27E-09	1.23E-10	1.18E-08	1.99E-09	6.81E-09	8.81E-11	8.89E-09	2.26E-10	1.19E-09	2.09E-11	1.44E-09	2.05E-10	6.24E-10	6.33E-12	8.36E-10
2348	471321.33	3818307.63	2.41E-09	9.36E-09	1.24E-10	1.19E-08	2.01E-09	6.88E-09	8.90E-11	8.98E-09	2.28E-10	1.21E-09	2.12E-11	1.45E-09	2.07E-10	6.31E-10	6.40E-12	8.45E-10
2349	471324.88	3818316.45	2.44E-09	9.45E-09	1.25E-10	1.20E-08	2.03E-09	6.94E-09	8.98E-11	9.06E-09	2.30E-10	1.22E-09	2.13E-11	1.47E-09	2.09E-10	6.37E-10	6.46E-12	8.52E-10
2350	471328.43	3818325.26	2.46E-09	9.55E-09	1.26E-10	1.21E-08	2.05E-09	7.02E-09	9.08E-11	9.16E-09	2.32E-10	1.23E-09	2.16E-11	1.48E-09	2.11E-10	6.44E-10	6.53E-12	8.61E-10
2351	471331.97	3818334.08	2.49E-09	9.65E-09	1.28E-10	1.23E-08	2.07E-09	7.09E-09	9.17E-11	9.25E-09	2.35E-10	1.24E-09	2.18E-11	1.50E-09	2.14E-10	6.50E-10	6.59E-12	8.70E-10
2352	471335.52	3818342.89	2.52E-09	9.76E-09	1.29E-10	1.24E-08	2.10E-09	7.17E-09	9.28E-11	9.36E-09	2.38E-10	1.26E-09	2.20E-11	1.52E-09	2.16E-10	6.58E-10	6.67E-12	8.80E-10
2353	471339.07	3818351.7	2.54E-09	9.86E-09	1.31E-10	1.25E-08	2.12E-09	7.24E-09	9.37E-11	9.45E-09	2.40E-10	1.27E-09	2.23E-11	1.53E-09	2.18E-10	6.64E-10	6.74E-12	8.89E-10
2354	471342.62	3818360.52	2.57E-09	9.97E-09	1.32E-10	1.27E-08	2.14E-09	7.33E-09	9.48E-11	9.56E-09	2.43E-10	1.28E-09	2.25E-11	1.55E-09	2.21E-10	6.72E-10	6.81E-12	9.00E-10
2355	471346.17	3818369.33	2.60E-09	1.01E-08	1.34E-10	1.28E-08	2.17E-09	7.42E-09	9.60E-11	9.68E-09	2.46E-10	1.30E-09	2.28E-11	1.57E-09	2.23E-10	6.81E-10	6.90E-12	9.11E-10
2356	471349.72	3818378.15	2.63E-09	1.02E-08	1.35E-10	1.30E-08	2.19E-09	7.50E-09	9.71E-11	9.79E-09	2.49E-10	1.31E-09	2.31E-11	1.59E-09	2.26E-10	6.88E-10	6.98E-12	9.21E-10
2357	471353.26	3818386.96	2.67E-09	1.03E-08	1.37E-10	1.31E-08	2.22E-09	7.60E-09	9.83E-11	9.91E-09	2.52E-10	1.33E-09	2.34E-11	1.61E-09	2.29E-10	6.97E-10	7.07E-12	9.33E-10
2358	471356.81	3818395.77	2.70E-09	1.05E-08	1.39E-10	1.33E-08	2.25E-09	7.70E-09	9.96E-11	1.00E-08	2.55E-10	1.35E-09	2.37E-11	1.63E-09	2.32E-10	7.06E-10	7.16E-12	9.45E-10
2359	471360.36	3818404.59	2.73E-09	1.06E-08	1.40E-10	1.35E-08	2.28E-09	7.79E-09	1.01E-10	1.02E-08	2.58E-10	1.37E-09	2.40E-11	1.65E-09	2.35E-10	7.15E-10	7.25E-12	9.57E-10
2360	471363.91	3818413.4	2.77E-09	1.07E-08	1.42E-10	1.37E-08	2.31E-09	7.90E-09	1.02E-10	1.03E-08	2.62E-10	1.38E-09	2.43E-11	1.67E-09	2.38E-10	7.24E-10	7.35E-12	9.70E-10
2361	471367.46	3818422.22	2.81E-09	1.09E-08	1.44E-10	1.38E-08	2.34E-09	8.00E-09	1.04E-10	1.04E-08	2.65E-10	1.40E-09	2.46E-11	1.69E-09	2.41E-10	7.34E-10	7.44E-12	9.82E-10
2362	471378.1	3818448.66	2.92E-09	1.13E-08	1.50E-10	1.44E-08	2.44E-09	8.33E-09	1.08E-10	1.09E-08	2.76E-10	1.46E-09	2.56E-11	1.76E-09	2.51E-10	7.64E-10	7.75E-12	1.02E-09
2363	471381.65	3818457.47	2.96E-09	1.15E-08	1.52E-10	1.46E-08	2.47E-09	8.45E-09	1.09E-10	1.10E-08	2.80E-10	1.48E-09	2.60E-11	1.79E-09	2.54E-10	7.75E-10	7.86E-12	1.04E-09
2364	471385.2	3818466.29	3.01E-09	1.17E-08	1.55E-10	1.48E-08	2.50E-09	8.57E-09	1.11E-10	1.12E-08	2.84E-10	1.50E-09	2.64E-11	1.81E-09	2.58E-10	7.86E-10	7.97E-12	1.05E-09
2365	471388.75	3818475.1	3.05E-09	1.18E-08	1.57E-10	1.50E-08	2.54E-09	8.68E-09	1.12E-10	1.13E-08	2.88E-10	1.52E-09	2.67E-11	1.84E-09	2.62E-10	7.97E-10	8.08E-12	1.07E-09
2366	471392.3	3818483.92	3.09E-09	1.20E-08	1.59E-10	1.52E-08	2.57E-09	8.81E-09	1.14E-10	1.15E-08	2.92E-10	1.54E-09	2.71E-11	1.86E-09	2.65E-10	8.08E-10	8.19E-12	1.08E-09
2367	471395.85	3818492.73	3.14E-09	1.22E-08	1.61E-10	1.55E-08	2.61E-09	8.94E-09	1.16E-10	1.17E-08	2.96E-10	1.57E-09	2.75E-11	1.89E-09	2.69E-10	8.20E-10	8.32E-12	1.10E-09
2368	471399.4	3818501.54	3.18E-09	1.23E-08	1.63E-10	1.57E-08	2.65E-09	9.07E-09	1.17E-10	1.18E-08	3.00E-10	1.59E-09	2.79E-11	1.92E-09	2.73E-10	8.32E-10	8.43E-12	1.11E-09
2369	471402.94	3818510.36	3.23E-09	1.25E-08	1.66E-10	1.59E-08	2.69E-09	9.20E-09	1.19E-10	1.20E-08	3.05E-10	1.61E-09	2.83E-11	1.95E-09	2.77E-10	8.44E-10	8.56E-12	1.13E-09
2370	471406.49	3818519.17	3.28E-09	1.27E-08	1.68E-10	1.62E-08	2.73E-09	9.34E-09	1.21E-10	1.22E-08	3.09E-10	1.64E-09	2.87E-11	1.97E-09	2.81E-10	8.56E-10	8.69E-12	1.15E-09
2371	471410.04	3818527.99	3.32E-09	1.29E-08	1.71E-10	1.64E-08	2.77E-09	9.47E-09	1.23E-10	1.24E-08	3.14E-10	1.66E-09	2.91E-11	2.00E-09	2.85E-10	8.69E-10	8.81E-12	1.16E-09
2372	471413.59	3818536.8	3.37E-09	1.31E-08	1.73E-10	1.66E-08	2.81E-09	9.62E-09	1.24E-10	1.26E-08	3.19E-10	1.68E-09	2.96E-11	2.03E-09	2.90E-10	8.82E-10	8.95E-12	1.18E-09
2373	471417.14	3818545.62	3.43E-09	1.33E-08	1.76E-10	1.69E-08	2.85E-09	9.76E-09	1.26E-10	1.27E-08	3.23E-10	1.71E-09	3.00E-11	2.06E-09	2.94E-10	8.95E-10	9.08E-12	1.20E-09
2374	471420.69	3818554.43	3.48E-09	1.35E-08	1.79E-10	1.71E-08	2.90E-09	9.91E-09	1.28E-10	1.29E-08	3.28E-10	1.74E-09	3.05E-11	2.09E-09	2.98E-10	9.09E-10	9.21E-12	1.22E-09
2375	471424.23	3818563.24	3.53E-09	1.37E-08	1.81E-10	1.74E-08	2.94E-09	1.01E-08	1.30E-10	1.31E-08	3.33E-10	1.76E-09	3.09E-11	2.12E-09	3.03E-10	9.22E-10	9.35E-12	1.23E-09
2376	471427.78	3818572.06	3.58E-09	1.39E-08	1.84E-10	1.77E-08	2.98E-09	1.02E-08	1.32E-10	1.33E-08	3.38E-10	1.79E-09	3.14E-11	2.16E-09	3.07E-10	9.36E-10	9.49E-12	1.25E-09
2377	471431.33	3818580.87	3.64E-09	1.41E-08	1.87E-10	1.79E-08	3.03E-09	1.04E-08	1.34E-10	1.35E-08	3.43E-10	1.82E-09	3.19E-11	2.19E-09	3.12E-10	9.51E-10	9.64E-12	1.27E-09
2378	471434.88	3818589.69	3.69E-09	1.43E-08	1.90E-10	1.82E-08	3.08E-09	1.05E-08	1.36E-10	1.37E-08	3.49E-10	1.84E-09	3.24E-11	2.23E-09	3.17E-10	9.66E-10	9.79E-12	1.29E-09
2379	471438.43	3818598.5	3.75E-09	1.45E-08	1.93E-10	1.85E-08	3.12E-09	1.07E-08	1.38E-10	1.39E-08	3.54E-10	1.87E-09	3.29E-11	2.26E-09	3.22E-10	9.80E-10	9.94E-12	1.31E-09
2380	471441.98	3818607.31	3.81E-09	1.48E-08	1.96E-10	1.88E-08	3.17E-09	1.08E-08	1.40E-10	1.42E-08	3.59E-10	1.90E-09	3.34E-11	2.29E-09	3.27E-10	9.95E-10	1.01E-11	1.33E-09
2381	471445.53	3818616.13	3.87E-09	1.50E-08	1.99E-10	1.91E-08	3.22E-09	1.10E-08	1.43E-10	1.44E-08	3.65E-10	1.93E-09	3.39E-11	2.33E-09	3.32E-10	1.01E-09	1.03E-11	1.35E-09
2382	471449.07	3818624.94	3.93E-09	1.52E-08	2.02E-10	1.94E-08	3.27E-09	1.12E-08	1.45E-10	1.46E-08	3.71E-10	1.96E-09	3.44E-11	2.37E-09	3.37E-10	1.03E-09	1.04E-11	1.37E-09
2383	471452.62	3818633.76	3.99E-09	1.55E-08	2.05E-10	1.97E-08	3.32E-09	1.14E-08	1.47E-10	1.48E-08	3.77E-10	1.99E-09	3.50E-11	2.40E-09	3.42E-10	1.04E-09	1.06E-11	1.40E-09
2384	471456.17	3818642.57	4.05E-09	1.57E-08	2.08E-10	2.00E-08	3.38E-09	1.16E-08	1.50E-10	1.51E-08	3.83E-10	2.02E-09	3.55E-11	2.44E-09	3.48E-10	1.06E-09	1.07E-11	1.42E-09
2385	471459.72	3818651.38	4.12E-09	1.60E-08	2.11E-10	2.03E-08	3.43E-09	1.17E-08	1.52E-10	1.53E-08	3.89E-10	2.06E-09	3.61E-11	2.48E-09	3.53E-10	1.08E-09	1.09E-11	1.44E-09
2386	471463.27	3818660.2	4.18E-09	1.62E-08	2.15E-10	2.06E-08	3.48E-09	1.19E-08	1.54E-10	1.56E-08	3.95E-10	2.09E-09	3.66E-11	2.52E-09	3.59E-10	1.09E-09	1.11E-11	1.46E-09
2387	471466.82	3818669.01	4.25E-09	1.65E-08	2.18E-10	2.10E-08	3.54E-09	1.21E-08	1.57E-10	1.58E-08	4.01E-10	2.12E-09	3.72E-11	2.56E-09	3.65E-10	1.11E-09	1.13E-11	1.49E-09
2388	471470.37	3818677.83	4.32E-09	1.68E-08	2.22E-10	2.13E-08	3.60E-09	1.23E-08	1.59E-10	1.61E-08	4.08E-10	2.16E-09	3.79E-11	2.60E-09	3.71E-10	1.13E-09	1.15E-11	1.51E-09
2389	471473.91	3818686.64	4.39E-09	1.70E-08	2.25E-10	2.16E-08	3.66E-09	1.25E-08	1.62E-10	1.63E-08	4.14E-10	2.19E-09	3.85E-11	2.64E-09	3.77E-10	1.15E-09	1.16E-11	1.54E-09
2390	471477.46	3818695.46	4.46E-09	1.73E-08	2.29E-10	2.20E-08	3.71E-09	1.27E-08	1.64E-10	1.66E-08	4.21E-10	2.23E-09	3.91E-11	2.69E-09	3.83E-10	1.17E-09	1.18E-11	1.56E-09
2391	471481.01	3818704.27	4.53E-09	1.76E-08	2.33E-10	2.23E-08	3.77E-09	1.29E-08	1.67E-10	1.69E-08	4.28E-10	2.26E-09	3.97E-11	2.73E-09	3.89E-10	1.18E-09	1.20E-11	1.59E-09
2392	471484.56	3818713.08	4.61E-09	1.79E-08	2.37E-10	2.27E-08	3.84E-09	1.31E-08	1.70E-10	1.71E-08	4.35E-10	2.30E-09	4.04E-11	2.78E-09	3.95E-10	1.20E-09	1.22E-11	1.61E-09
2393	471488.11	3818721.9	4.68E-09	1.82E-08	2.41E-10	2.31E-08	3.90E-09	1.33E-08	1.73E-10	1.74E-08	4.42E-10	2.34E-09	4.10E-11	2.82E-09	4.02E-10	1.22E-09	1.24E-11	1.64E-09
2394	471491.66	3818730.71	4.76E-09	1.85E-08	2.45E-10	2.35E-08	3.96E-09	1.36E-08	1.76E-10	1.77E-08	4.49E-10	2.38E-09	4.17E-11	2.87E-09	4.09E-10	1.24E-09	1.26E-11	1.67E-09
2395	471495.2	3818739.53	4.84E-09	1.88E-08	2.49E-10	2.39E-08	4.03E-09	1.38E-08	1.78E-10	1.80E-08	4.57E-10	2.42E-09	4.24E-11	2.92E-09	4.15E-10	1.27E-09	1.28E-11	1.69E-09
2396	471498.75	3818748.34	4.92E-09	1.91E-08	2.53E-10	2.43E-08	4.10E-09	1.40E-08	1.81E-10	1.83E-08	4.65E-10	2.46E-09	4.31E-11	2.96E-09	4.22E-10	1.29E-09	1.30E-11

2397	471502.3	3818757.15	5.00E-09	1.94E-08	2.57E-10	2.46E-08	4.16E-09	1.42E-08	1.84E-10	1.86E-08	4.72E-10	2.50E-09	4.38E-11	3.01E-09	4.29E-10	1.31E-09	1.33E-11	1.75E-09
2398	471505.85	3818765.97	5.08E-09	1.97E-08	2.61E-10	2.51E-08	4.23E-09	1.45E-08	1.87E-10	1.89E-08	4.80E-10	2.54E-09	4.45E-11	3.06E-09	4.36E-10	1.33E-09	1.35E-11	1.78E-09
2399	471509.4	3818774.78	5.17E-09	2.01E-08	2.66E-10	2.55E-08	4.31E-09	1.47E-08	1.91E-10	1.92E-08	4.88E-10	2.58E-09	4.53E-11	3.11E-09	4.44E-10	1.35E-09	1.37E-11	1.81E-09
2400	471512.95	3818783.6	5.26E-09	2.04E-08	2.70E-10	2.59E-08	4.38E-09	1.50E-08	1.94E-10	1.96E-08	4.96E-10	2.63E-09	4.61E-11	3.17E-09	4.51E-10	1.37E-09	1.39E-11	1.84E-09
2401	471516.5	3818792.41	5.35E-09	2.07E-08	2.75E-10	2.63E-08	4.45E-09	1.52E-08	1.97E-10	1.99E-08	5.05E-10	2.67E-09	4.68E-11	3.22E-09	4.59E-10	1.40E-09	1.42E-11	1.87E-09
2402	471520.04	3818801.22	5.44E-09	2.11E-08	2.79E-10	2.68E-08	4.53E-09	1.55E-08	2.00E-10	2.02E-08	5.13E-10	2.71E-09	4.76E-11	3.27E-09	4.67E-10	1.42E-09	1.44E-11	1.90E-09
2403	471523.59	3818810.04	5.53E-09	2.14E-08	2.84E-10	2.72E-08	4.60E-09	1.58E-08	2.04E-10	2.06E-08	5.22E-10	2.76E-09	4.84E-11	3.33E-09	4.74E-10	1.44E-09	1.47E-11	1.93E-09
2404	471527.14	3818818.85	5.62E-09	2.18E-08	2.89E-10	2.77E-08	4.68E-09	1.60E-08	2.07E-10	2.09E-08	5.31E-10	2.81E-09	4.93E-11	3.39E-09	4.83E-10	1.47E-09	1.49E-11	1.97E-09
2405	471530.69	3818827.67	5.72E-09	2.22E-08	2.94E-10	2.82E-08	4.76E-09	1.63E-08	2.11E-10	2.13E-08	5.40E-10	2.85E-09	5.01E-11	3.44E-09	4.91E-10	1.49E-09	1.52E-11	2.00E-09
2406	471541.34	3818854.11	6.01E-09	2.33E-08	3.09E-10	2.96E-08	5.00E-09	1.71E-08	2.22E-10	2.23E-08	5.67E-10	3.00E-09	5.26E-11	3.62E-09	5.16E-10	1.57E-09	1.59E-11	2.10E-09
2407	471544.88	3818862.92	6.10E-09	2.37E-08	3.14E-10	3.01E-08	5.09E-09	1.74E-08	2.25E-10	2.27E-08	5.76E-10	3.05E-09	5.35E-11	3.68E-09	5.24E-10	1.60E-09	1.62E-11	2.14E-09
2408	471548.43	3818871.74	6.21E-09	2.41E-08	3.19E-10	3.06E-08	5.17E-09	1.77E-08	2.29E-10	2.31E-08	5.86E-10	3.10E-09	5.44E-11	3.74E-09	5.33E-10	1.62E-09	1.65E-11	2.17E-09
2409	471551.98	3818880.55	6.31E-09	2.45E-08	3.24E-10	3.11E-08	5.25E-09	1.80E-08	2.33E-10	2.35E-08	5.96E-10	3.15E-09	5.53E-11	3.80E-09	5.42E-10	1.65E-09	1.67E-11	2.21E-09
2410	471555.53	3818889.37	6.41E-09	2.49E-08	3.29E-10	3.16E-08	5.34E-09	1.83E-08	2.36E-10	2.38E-08	6.05E-10	3.20E-09	5.62E-11	3.86E-09	5.50E-10	1.68E-09	1.70E-11	2.24E-09
2411	471559.08	3818898.18	6.52E-09	2.53E-08	3.35E-10	3.21E-08	5.43E-09	1.86E-08	2.40E-10	2.42E-08	6.15E-10	3.25E-09	5.71E-11	3.93E-09	5.59E-10	1.70E-09	1.73E-11	2.28E-09
2412	471562.63	3818906.99	6.62E-09	2.57E-08	3.40E-10	3.26E-08	5.51E-09	1.89E-08	2.44E-10	2.46E-08	6.25E-10	3.30E-09	5.80E-11	3.99E-09	5.68E-10	1.73E-09	1.75E-11	2.32E-09
2413	471566.17	3818915.81	6.72E-09	2.61E-08	3.45E-10	3.31E-08	5.60E-09	1.92E-08	2.48E-10	2.50E-08	6.35E-10	3.36E-09	5.89E-11	4.05E-09	5.77E-10	1.76E-09	1.78E-11	2.35E-09
2414	471569.72	3818924.62	6.83E-09	2.65E-08	3.51E-10	3.37E-08	5.69E-09	1.95E-08	2.52E-10	2.54E-08	6.45E-10	3.41E-09	5.98E-11	4.11E-09	5.86E-10	1.79E-09	1.81E-11	2.39E-09
2415	471573.27	3818933.44	6.94E-09	2.69E-08	3.56E-10	3.42E-08	5.78E-09	1.98E-08	2.56E-10	2.58E-08	6.55E-10	3.46E-09	6.08E-11	4.18E-09	5.96E-10	1.81E-09	1.84E-11	2.43E-09
2416	471580.37	3818951.06	7.15E-09	2.77E-08	3.67E-10	3.52E-08	5.95E-09	2.04E-08	2.64E-10	2.66E-08	6.75E-10	3.57E-09	6.26E-11	4.31E-09	6.14E-10	1.87E-09	1.90E-11	2.50E-09
2417	471583.92	3818959.88	7.26E-09	2.81E-08	3.73E-10	3.58E-08	6.05E-09	2.07E-08	2.68E-10	2.70E-08	6.85E-10	3.62E-09	6.36E-11	4.37E-09	6.23E-10	1.90E-09	1.92E-11	2.54E-09
2418	471587.47	3818968.69	7.36E-09	2.86E-08	3.78E-10	3.63E-08	6.13E-09	2.10E-08	2.72E-10	2.74E-08	6.95E-10	3.68E-09	6.45E-11	4.44E-09	6.32E-10	1.92E-09	1.95E-11	2.58E-09
2419	471591.01	3818977.51	7.47E-09	2.90E-08	3.84E-10	3.68E-08	6.22E-09	2.13E-08	2.76E-10	2.78E-08	7.06E-10	3.73E-09	6.55E-11	4.50E-09	6.41E-10	1.95E-09	1.98E-11	2.61E-09
2420	471594.56	3818986.32	7.58E-09	2.94E-08	3.89E-10	3.74E-08	6.31E-09	2.16E-08	2.79E-10	2.82E-08	7.16E-10	3.78E-09	6.64E-11	4.57E-09	6.51E-10	1.98E-09	2.01E-11	2.65E-09
2421	471598.11	3818995.14	7.68E-09	2.98E-08	3.95E-10	3.79E-08	6.40E-09	2.19E-08	2.83E-10	2.86E-08	7.26E-10	3.84E-09	6.73E-11	4.63E-09	6.60E-10	2.01E-09	2.04E-11	2.69E-09
2422	471601.66	3819003.95	7.79E-09	3.02E-08	4.00E-10	3.84E-08	6.49E-09	2.22E-08	2.87E-10	2.90E-08	7.35E-10	3.89E-09	6.82E-11	4.69E-09	6.69E-10	2.04E-09	2.06E-11	2.73E-09
2423	471605.21	3819012.76	7.89E-09	3.06E-08	4.06E-10	3.89E-08	6.58E-09	2.25E-08	2.91E-10	2.94E-08	7.45E-10	3.94E-09	6.92E-11	4.76E-09	6.78E-10	2.06E-09	2.09E-11	2.76E-09
2424	471608.76	3819021.58	8.00E-09	3.10E-08	4.11E-10	3.94E-08	6.66E-09	2.28E-08	2.95E-10	2.98E-08	7.55E-10	3.99E-09	7.01E-11	4.82E-09	6.87E-10	2.09E-09	2.12E-11	2.80E-09
2425	471612.31	3819030.39	8.10E-09	3.14E-08	4.16E-10	3.99E-08	6.75E-09	2.31E-08	2.99E-10	3.01E-08	7.65E-10	4.04E-09	7.10E-11	4.88E-09	6.95E-10	2.12E-09	2.15E-11	2.83E-09
2426	471622.95	3819056.83	8.40E-09	3.26E-08	4.32E-10	4.14E-08	7.00E-09	2.39E-08	3.10E-10	3.13E-08	7.93E-10	4.20E-09	7.36E-11	5.06E-09	7.21E-10	2.20E-09	2.23E-11	2.94E-09
2427	471626.5	3819065.65	8.50E-09	3.30E-08	4.37E-10	4.19E-08	7.08E-09	2.42E-08	3.14E-10	3.16E-08	8.03E-10	4.24E-09	7.45E-11	5.12E-09	7.30E-10	2.22E-09	2.25E-11	2.97E-09
2428	471630.05	3819074.46	8.60E-09	3.33E-08	4.42E-10	4.24E-08	7.16E-09	2.45E-08	3.17E-10	3.20E-08	8.12E-10	4.29E-09	7.53E-11	5.18E-09	7.38E-10	2.25E-09	2.28E-11	3.01E-09
2429	471633.6	3819083.28	8.69E-09	3.37E-08	4.47E-10	4.28E-08	7.24E-09	2.48E-08	3.21E-10	3.23E-08	8.21E-10	4.34E-09	7.62E-11	5.24E-09	7.46E-10	2.27E-09	2.30E-11	3.04E-09
2430	471637.14	3819092.09	8.78E-09	3.41E-08	4.51E-10	4.33E-08	7.31E-09	2.50E-08	3.24E-10	3.27E-08	8.29E-10	4.38E-09	7.69E-11	5.29E-09	7.54E-10	2.30E-09	2.33E-11	3.07E-09
2431	471640.69	3819100.91	8.87E-09	3.44E-08	4.56E-10	4.37E-08	7.39E-09	2.53E-08	3.27E-10	3.30E-08	8.38E-10	4.43E-09	7.77E-11	5.34E-09	7.62E-10	2.32E-09	2.35E-11	3.10E-09
2432	471644.24	3819109.72	8.96E-09	3.47E-08	4.60E-10	4.42E-08	7.46E-09	2.55E-08	3.30E-10	3.33E-08	8.46E-10	4.47E-09	7.85E-11	5.40E-09	7.69E-10	2.34E-09	2.38E-11	3.13E-09
2433	471647.79	3819118.53	9.05E-09	3.51E-08	4.65E-10	4.46E-08	7.54E-09	2.58E-08	3.34E-10	3.37E-08	8.54E-10	4.52E-09	7.93E-11	5.45E-09	7.77E-10	2.36E-09	2.40E-11	3.17E-09
2434	471651.34	3819127.35	9.13E-09	3.54E-08	4.69E-10	4.50E-08	7.60E-09	2.60E-08	3.37E-10	3.40E-08	8.62E-10	4.56E-09	8.00E-11	5.50E-09	7.84E-10	2.39E-09	2.42E-11	3.19E-09
2435	471654.89	3819136.16	9.21E-09	3.57E-08	4.73E-10	4.54E-08	7.67E-09	2.62E-08	3.40E-10	3.43E-08	8.70E-10	4.60E-09	8.07E-11	5.55E-09	7.91E-10	2.41E-09	2.44E-11	3.22E-09
2436	471661.98	3819153.79	9.36E-09	3.63E-08	4.81E-10	4.62E-08	7.80E-09	2.67E-08	3.45E-10	3.48E-08	8.84E-10	4.67E-09	8.20E-11	5.64E-09	8.04E-10	2.45E-09	2.48E-11	3.28E-09
2437	471665.53	3819162.6	9.44E-09	3.66E-08	4.85E-10	4.65E-08	7.86E-09	2.69E-08	3.48E-10	3.51E-08	8.91E-10	4.71E-09	8.27E-11	5.68E-09	8.10E-10	2.47E-09	2.50E-11	3.30E-09
2438	471669.08	3819171.42	9.50E-09	3.69E-08	4.88E-10	4.69E-08	7.92E-09	2.71E-08	3.51E-10	3.54E-08	8.98E-10	4.75E-09	8.33E-11	5.73E-09	8.16E-10	2.48E-09	2.52E-11	3.33E-09
2439	471672.63	3819180.23	9.57E-09	3.71E-08	4.92E-10	4.72E-08	7.97E-09	2.73E-08	3.53E-10	3.56E-08	9.04E-10	4.78E-09	8.39E-11	5.77E-09	8.22E-10	2.50E-09	2.54E-11	3.35E-09
2440	471676.18	3819189.05	9.64E-09	3.74E-08	4.95E-10	4.75E-08	8.03E-09	2.75E-08	3.55E-10	3.58E-08	9.10E-10	4.81E-09	8.44E-11	5.80E-09	8.27E-10	2.52E-09	2.55E-11	3.37E-09
2441	471679.73	3819197.86	9.70E-09	3.76E-08	4.98E-10	4.78E-08	8.08E-09	2.76E-08	3.58E-10	3.61E-08	9.16E-10	4.84E-09	8.50E-11	5.84E-09	8.32E-10	2.54E-09	2.57E-11	3.39E-09
2442	471683.28	3819206.67	9.76E-09	3.78E-08	5.01E-10	4.81E-08	8.13E-09	2.78E-08	3.60E-10	3.63E-08	9.21E-10	4.87E-09	8.55E-11	5.88E-09	8.37E-10	2.55E-09	2.59E-11	3.41E-09
2443	471686.82	3819215.49	9.81E-09	3.80E-08	5.04E-10	4.84E-08	8.17E-09	2.80E-08	3.62E-10	3.65E-08	9.26E-10	4.90E-09	8.60E-11	5.91E-09	8.42E-10	2.56E-09	2.60E-11	3.43E-09
2444	471690.37	3819224.3	9.86E-09	3.82E-08	5.07E-10	4.86E-08	8.21E-09	2.81E-08	3.64E-10	3.67E-08	9.31E-10	4.92E-09	8.64E-11	5.94E-09	8.47E-10	2.58E-09	2.61E-11	3.45E-09
2445	470301.12	3817818.71	5.67E-09	2.20E-08	2.91E-10	2.80E-08	4.72E-09	1.62E-08	2.09E-10	2.11E-08	5.36E-10	2.83E-09	4.97E-11	3.42E-09	4.87E-10	1.48E-09	1.50E-11	1.98E-09
2446	470291.55	3817818.58	5.75E-09	2.23E-08	2.96E-10	2.84E-08	4.79E-09	1.64E-08	2.12E-10	2.14E-08	5.43E-10	2.87E-09	5.04E-11	3.47E-09	4.94E-10	1.50E-09	1.52E-11	2.01E-09
2447	470281.99	3817818.44	5.83E-09	2.26E-08	3.00E-10	2.88E-08	4.86E-09	1.66E-08	2.15E-10	2.17E-08	5.51E-10	2.91E-09	5.11E-11	3.51E-09	5.01E-10	1.52E-09	1.55E-11	2.04E-09
2448	470272.43	3817818.31	5.91E-09	2.29E-08	3.04E-10	2.91E-08	4.92E-09	1.68E-08	2.18E-10	2.20E-08	5.58E-10	2.95E-09	5.18E-11	3.56E-09	5.08E-10	1.55E-09	1.57E-11	2.07E-09
2449	470262.87	3817818.17	5.99E-09	2.32E-08	3.08E-10	2.95E-08	4.99E-09	1.71E-08	2.21E-10	2.23E-08	5.66E-10	2.99E-09	5.25E-11	3.61E-09	5.14E-10	1.57E-09	1.59E-11	2.10E-09
2450	470253.3	3817818.04	6.07E-09	2.36E-08	3.12E-10	2.99E-08	5.06E-09	1.73E-08	2.24E-10	2.26E-08	5.73E-10	3.03E-09	5.32E-11	3.66E-09	5.21E-10	1.59E-09	1.61E-11	2.12E-09
2451	470243.74	3817817.9	6.15E-09	2.39E-08	3.16E-10	3.03E-08	5.12E-09	1.75E-08	2.27E-10	2.29E-08	5.81E-10	3.07E-09	5.39E-11	3.71E-09	5.28E-10	1.61E-09	1.63E-11	2.15E-09
2452	470234.18	3817817.77	6.23E-09	2.42E-08	3.20E-10	3.07E-08	5.19E-09	1.78E-08	2.30E-10	2.32E-08	5.88E-10	3.11E-09	5.46E-11	3.75E-09	5.35E-10	1.63E-09	1.65E-11	2.18E-09
2453	470224.62	3817817.63	6.30E-09	2.44E-08	3.24E-10	3.11E-08	5.25E-09	1.80E-08	2.32E-10	2.34E-08	5.95E-10	3.15E-09	5.52E-11	3.80E-09	5.41E-10	1.65E-09	1.67E-11	2.20E-09
2454	470215.06	3817817.5	6.37E-09	2.47E-08	3.28E-10	3.14E-08	5.31E-09	1.82E-08	2.35E-10	2.37E-08	6.02E-10	3.18E-09	5.59E-11	3.84E-09	5.47E-10	1.67E-09	1.69E-11	2.23E-09
2455	470205.49	3817817.36	6.44E-09	2.50E-08	3.31E-10	3.17E-08	5.36E-09	1.84E-08	2.37E-10	2.40E-08	6.08E-10	3.22E-09	5.64E-11	3.88E-09	5.53E-10	1.68E-09	1.71E-11	2.25E-09
2456	470195.93	3817817.23	6.50E-09	2.52E-08	3.34E-10	3.20E-08	5.42E-09	1.85E-08	2.40E-10	2.42E-08	6.14E-10	3.25E-09	5.70E-11	3.92E-09	5.58E-10	1.70E-09	1.72E-11	2.27E-09
2457	470311.01	3817742.48	5.10E-09	1.98E-08	2.62E-10	2.51E-08	4.25E-09	1.45E-08	1.88E-10	1.90E-08	4.81E-10	2.55E-09	4.47E-11	3.07E-09	4.38E-10	1.33E-09	1.35E-11	1.78E-09
2458	470319.77	3817746.24	5.05E-09	1.96E-08	2.60E-10	2.49E-08	4.21E-09	1.44E-08	1.86E-10	1.88E-08	4.77E-10	2.52E-09	4.43E-11	3.04E-09	4.34E-10	1.32E-09	1.34E-11	1.77E-09
2459	470328.53	3817750	5.01E-09	1.94E-08	2.57E-10	2.47E-08	4.17E-09	1.43E-08	1.85E-10	1.86E-08	4.73E-10	2.50E-09	4.39E-11	3.02E-09	4.30E-10	1.31E-09	1.33E-11	1.75E-09
2460	470337.29	3817753.76	4.96E-09	1.92E-08	2.55E-10	2.45E-08	4.13E-09	1.41E-08	1.83E-10	1.85E-08	4.69E-10	2.48E-09	4.35E-11	2.99E-09	4.26E-10	1.30E-09	1.32E-11	1.74E-09
2461	470346.06	3817757.52	4.92E-09	1.91E-08	2.53E-10	2.43E-08	4.10E-09	1.40E-08	1.82E-10	1.83E-08	4.65E-10	2.46E-09	4.31E-11	2.97E-09	4.23E-10	1.29E-09	1.31E-11	1.72E-09
2462	470354.82	3817761.28	4.88E-09	1.89E-08	2.51E-10	2.41E-08	4.07E-09	1.39E-08	1.80E-10	1.82E-08	4.61E-10	2.44E-09	4.28E-11	2.94E-09	4.19E-10	1.28E-09	1.29E-11	1.71E-09
2463	470363.58	3817765.04	4.85E-09	1.88E-08	2.49E-10	2.39E-08	4.04E-09	1.38E-08	1.79E-10	1.80E-08	4.58E-10	2.42E-09	4.25E-11	2.92E-09	4.16E-10	1.27E-09	1.28E-11	1.70E-09
2464	470372.34	3817768.81	4.81E-09	1.87E-08	2.47E-10	2.37E-08	4.01E-09	1.37E-08	1.77E-10	1.79E-08	4.54E-10	2.40E-09	4.22E-11	2.90E-09	4.13E-10	1.26E-09	1.28E-11	1.68E-09
2465	470381.1	3817772.57	4.77E-09	1.85E-08	2.45E-10	2.35E-08	3.98E-09	1.36E-08	1.76E-10	1.78E-08	4.51E-10	2.38E-09	4.18E-11	2.88E-09	4.10E-10	1.25E-09	1.27E-11	1.67E-09
2466	470389.87	3817776.33	4.74E-09	1.84E-08	2.43E-10	2.34E-08	3.95E-09	1.35E-08	1.75E-10	1.76E-08	4.47E-10	2.37E-09	4.15E-11	2.85E-09	4.07E-10	1.24E-09	1.26E-11	1.66E-09
2467	470398.63	3817780.09	4.76E-09	1.85E-08	2.45E-10	2.35E-08	3.97E-09	1.36E-08	1.76E-10	1.77E-08	4.50E-10	2.38E-09	4.17E-11	2.87E-09	4.09E-10	1.25E-09	1.26E-11	1.67E-09
2468	470407.39	3817783.85	4.73E-09	1.83E-08	2.43E-10	2.33E-08	3.94E-09	1.35E-08	1.74E-10	1.76E-08	4.47E-10	2.36E-09	4.15E-11	2.85E-09	4.06E-10	1.24E-09	1.25E-11	1.66E-09
2469	470416.15	3817787.61	4.69E-09	1.82E-08	2.41E-10	2.31E-08	3.91E-09	1.34E-08	1.73E-10	1.74E-08	4.43E-10	2.34E-09	4.11E-11	2.83E-09	4.03E-10	1.23E-09	1.24E-11	1.64E-09
2470	470424.91	3817791.37	4.65E-09	1.80E-08	2.39E-10	2.29E-08	3.87E-09	1.32E-08	1.71E-10	1.73E-08	4.39E-10	2.32E-09	4.07E-11	2.80E-09	3.99E-10	1.21E-09	1.23E-11	1.63E-09
2471	470433.68	3817795.13	4.61E-09	1.79E-08	2.37E-10	2.27E-08	3.84E-09	1.31E-08	1.70E-10	1.71E-08	4.35E-10	2.30E-09	4.04E-11	2.78E-09	3.95E-10	1.20E-09	1.22E-11	1.61E-09
2472	470442.44	3817798.89	4.57E-09	1.77E-08	2.35E-10	2.25E-08	3.80E-09	1.30E-08	1.68E-10	1.70E-08	4.31E-10	2.28E-09	4.00E-11	2.75E-09	3.92E-10	1.19E-09	1.21E-11	1.60E-09
2473	470451.2	3817802.65	4.53E-09	1.76E-08	2.33E-10	2.23E-08	3.77E-09	1.29E-08	1.67E-10	1.69E-08	4.28E-10	2.26E-09	3.97E-11	2.73E-09	3.89E-10	1.18E-09	1.20E-11	1.59E-09
2474	470459.96	3817806.41	4.49E-09	1.74E-08	2.31E-10	2.21E-08	3.74E-09	1.28E-08	1.66E-10	1.67E-08	4.24E-10	2.24E-09	3.94E-11	2.71E-09	3.85E-10	1.17E-09	1.19E-11	1.57E-09
2475	470468.72	3817810.17	4.45E-09	1.73E-08	2.29E-10	2.19E-08	3.71E-09	1.27E-08	1.64E-10	1.66E-08	4.20E-10	2.22E-09	3.90E-11	2.68E-09	3.82E-10	1.16E-09	1.18E-11	1.56E-09
2476	470477.49	3817813.93	4.41E-09	1.71E-08	2.27E-10	2.17E-08	3.67E-09	1.26E-08	1.63E-10	1.64E-08	4.16E-10	2.20E-09	3.87E-11	2.66E-09	3.79E-10	1.15E-09	1.17E-11	1.54E-09
2477	470486.25	3817817.7	4.37E-09	1.70E-08	2.25E-10	2.16E-08	3.64E-09	1.25E-08	1.61E-10	1.63E-08	4.13E-10	2.18E-09	3.83E-11	2.64E-09	3.76E-10	1.14E-09	1.16E-11	1.53E-09
2478	470495.01	3817821.46	4.34E-09	1.68E-08	2.23E-10	2.14E-08	3.61E-09	1.24E-08	1.60E-10	1.61E-08	4.10E-10	2.17E-09	3.80E-11	2.61E-09	3.72E-10	1.13E-09	1.15E-11	1.52E-09
2479	470503.77	3817825.22	4.30E-09	1.67E-08	2.21E-10	2.12E-08	3.58E-09	1.23E-08	1.59E-10	1.60E-08	4.06E-10	2.15E-09	3.77E-11	2.59E-09	3.69E-10	1.12E-09	1.14E-11	1.51E-09
2480	470512.54	3817828.98	4.27E-09	1.65E-08	2.19E-10	2.10E-08	3.55E-09	1.22E-08	1.57E-10	1.59E-08	4.03E-10	2.13E-09	3.74E-11	2.57E-09	3.66E-10	1.11E-09	1.13E-11	1.49E-09
2481	470521.3	3817832.74	4.23E-09	1.64E-08	2.17E-10	2.08E-08	3.52E-09	1.21E-08	1.56E-10	1.57E-08	3.99E-10	2.11E-09	3.71E-11	2.55E-09	3.63E-10	1.11E-09	1.12E-11	1.48E-09
2482	470530.06	3817836.5	4.20E-09	1.63E-08	2.16E-10	2.07E-08	3.50E-09	1.20E-08	1.55E-10	1.56E-08	3.96E-10	2.09E-09	3.68E-11	2.53E-09	3.60E-10	1.10E-09	1.11E-11	1.47E-09
2483	470538.82	3817840.26	4.16E-09	1.61E-08	2.14E-10	2.05E-08	3.46E-09	1.19E-08	1.53E-10	1.55E-08	3.93E-10	2.08E-09	3.65E-11	2.51E-09	3.57E-10	1.09E-09	1.10E-11	1.46E-09
2484	470547.58	3817844.02	4.13E-09	1.60E-08	2.12E-10	2.03E-08	3.44E-09	1.18E-08	1.52E-10	1.54E-08	3.90E-10	2.06E-09	3.62E-11	2.49E-09	3.54E-10	1.08E-09	1.09E-11	1.44E-09
2485	470556.35	3817847.78	4.09E-09	1.59E-08	2.10E-10	2.02E-08	3.41E-09	1.17E-08	1.51E-10	1.52E-08	3.87E-10	2.04E-09	3.59E-11	2.47E-09	3.51E-10	1.07E-09	1.09E-11	1.43E-09
2486	470565.11	3817851.54	4.06E-09	1.57E-08	2.08E-10	2.00E-08	3.38E-09	1.16E-08	1.50E-10	1.51E-08	3.83E-10	2.03E-09	3.56E-11	2.44E-09	3.48E-10	1.06E-09	1.08E-11	1.42E-09
2487	470573.87	3817855.3	4.03E-09	1.56E-08	2.07E-10	1.98E-08	3.35E-09	1.15E-08	1.48E-10	1.50E-08	3.80E-10	2.01E-09	3.53E-11	2.42E-09	3.46E-10	1.05E-09	1.07E-11	1.41E-09
2488	470582.63	3817859.06	3.99E-09	1.55E-08	2.05E-10	1.97E-08	3.32E-09	1.14E-08	1.47E-10	1.48E-08	3.77E-10	1.99E-09	3.50E-11	2.40E-09	3.42E-10	1.04E-09	1.06E-11	1.40E-09
2489	470591.39	3817862.82	3.96E-09	1.54E-08	2.03E-10	1.95E-08	3.30E-09	1.13E-08	1.46E-10	1.47E-08	3.74E-10	1.98E-09	3.47E-11	2.39E-09	3.40E-10	1.04E-09	1.05E-11	1.39E-09
2490	470600.16	3817866.59	3.93E-09	1.52E-08	2.02E-10	1.94E-08	3.27E-09	1.12E-08	1.45E-10	1.46E-08	3.71E-10	1.96E-09	3.44E-11	2.37E-09	3.37E-10	1.03E-09	1.04E-11	1.38E-09
2491	470608.92	3817870.35	3.90E-09	1.51E-08	2.00E-10	1.92E-08	3.25E-09	1.11E-08	1.44E-10	1.45E-08	3.68E-10	1.95E-09	3.42E-11	2.35E-09	3.35E-10	1.02E-09	1.03E-11	1.37E-09
2492	470617.68	3817874.11	3.87E-09	1.50E-08	1.99E-10	1.91E-08	3.23E-09	1.10E-08	1.43E-10	1.44E-08	3.66E-10	1.93E-09	3.39E-11	2.33E-09	3.32E-10	1.01E-09	1.03E-11	1.

2493	470626.44	3817877.87	3.84E-09	1.49E-08	1.97E-10	1.89E-08	3.20E-09	1.10E-08	1.42E-10	1.43E-08	3.63E-10	1.92E-09	3.37E-11	2.32E-09	3.30E-10	1.00E-09	1.02E-11	1.34E-09
2494	470635.2	3817881.63	3.81E-09	1.48E-08	1.96E-10	1.88E-08	3.17E-09	1.09E-08	1.41E-10	1.42E-08	3.60E-10	1.90E-09	3.34E-11	2.30E-09	3.27E-10	9.96E-10	1.01E-11	1.33E-09
2495	470643.97	3817885.39	3.78E-09	1.47E-08	1.94E-10	1.86E-08	3.15E-09	1.08E-08	1.39E-10	1.41E-08	3.57E-10	1.89E-09	3.31E-11	2.28E-09	3.25E-10	9.89E-10	1.00E-11	1.32E-09
2496	470652.73	3817889.15	3.75E-09	1.46E-08	1.93E-10	1.85E-08	3.13E-09	1.07E-08	1.38E-10	1.40E-08	3.54E-10	1.87E-09	3.29E-11	2.26E-09	3.22E-10	9.81E-10	9.95E-12	1.31E-09
2497	470661.49	3817892.91	3.72E-09	1.44E-08	1.91E-10	1.84E-08	3.10E-09	1.06E-08	1.37E-10	1.38E-08	3.52E-10	1.86E-09	3.26E-11	2.24E-09	3.20E-10	9.73E-10	9.87E-12	1.30E-09
2498	470670.25	3817896.67	3.70E-09	1.43E-08	1.90E-10	1.82E-08	3.08E-09	1.05E-08	1.36E-10	1.38E-08	3.49E-10	1.85E-09	3.24E-11	2.23E-09	3.17E-10	9.67E-10	9.80E-12	1.29E-09
2499	470679.01	3817900.43	3.67E-09	1.42E-08	1.89E-10	1.81E-08	3.06E-09	1.05E-08	1.35E-10	1.36E-08	3.46E-10	1.83E-09	3.21E-11	2.21E-09	3.15E-10	9.59E-10	9.73E-12	1.28E-09
2500	470687.78	3817904.19	3.64E-09	1.41E-08	1.87E-10	1.80E-08	3.03E-09	1.04E-08	1.34E-10	1.36E-08	3.44E-10	1.82E-09	3.19E-11	2.19E-09	3.13E-10	9.52E-10	9.66E-12	1.27E-09
2501	470696.54	3817907.95	3.62E-09	1.40E-08	1.86E-10	1.79E-08	3.02E-09	1.03E-08	1.34E-10	1.35E-08	3.42E-10	1.81E-09	3.17E-11	2.18E-09	3.11E-10	9.47E-10	9.60E-12	1.27E-09
2502	470705.3	3817911.71	3.60E-09	1.40E-08	1.85E-10	1.77E-08	3.00E-09	1.03E-08	1.33E-10	1.34E-08	3.40E-10	1.80E-09	3.15E-11	2.17E-09	3.09E-10	9.41E-10	9.54E-12	1.26E-09
2503	470714.06	3817915.48	3.57E-09	1.39E-08	1.84E-10	1.76E-08	2.98E-09	1.02E-08	1.32E-10	1.33E-08	3.38E-10	1.78E-09	3.13E-11	2.15E-09	3.07E-10	9.34E-10	9.48E-12	1.25E-09
2504	470722.83	3817919.24	3.55E-09	1.38E-08	1.83E-10	1.75E-08	2.96E-09	1.01E-08	1.31E-10	1.32E-08	3.35E-10	1.77E-09	3.11E-11	2.14E-09	3.05E-10	9.29E-10	9.42E-12	1.24E-09
2505	470731.59	3817923	3.53E-09	1.37E-08	1.81E-10	1.74E-08	2.94E-09	1.01E-08	1.30E-10	1.31E-08	3.33E-10	1.76E-09	3.09E-11	2.13E-09	3.03E-10	9.23E-10	9.36E-12	1.24E-09
2506	470740.35	3817926.76	3.51E-09	1.36E-08	1.80E-10	1.73E-08	2.92E-09	1.00E-08	1.29E-10	1.31E-08	3.31E-10	1.75E-09	3.07E-11	2.11E-09	3.01E-10	9.17E-10	9.30E-12	1.23E-09
2507	470749.11	3817930.52	3.48E-09	1.35E-08	1.79E-10	1.72E-08	2.90E-09	9.93E-09	1.28E-10	1.30E-08	3.29E-10	1.74E-09	3.05E-11	2.10E-09	2.99E-10	9.11E-10	9.23E-12	1.22E-09
2508	470757.87	3817934.28	3.46E-09	1.34E-08	1.78E-10	1.70E-08	2.88E-09	9.85E-09	1.28E-10	1.29E-08	3.27E-10	1.73E-09	3.03E-11	2.08E-09	2.97E-10	9.04E-10	9.17E-12	1.21E-09
2509	470766.64	3817938.04	3.43E-09	1.33E-08	1.76E-10	1.69E-08	2.86E-09	9.78E-09	1.27E-10	1.28E-08	3.24E-10	1.71E-09	3.01E-11	2.07E-09	2.95E-10	8.97E-10	9.10E-12	1.20E-09
2510	470775.4	3817941.8	3.41E-09	1.32E-08	1.75E-10	1.68E-08	2.84E-09	9.71E-09	1.26E-10	1.27E-08	3.22E-10	1.70E-09	2.99E-11	2.05E-09	2.92E-10	8.91E-10	9.03E-12	1.19E-09
2511	470784.16	3817945.56	3.39E-09	1.31E-08	1.74E-10	1.67E-08	2.82E-09	9.65E-09	1.25E-10	1.26E-08	3.20E-10	1.69E-09	2.97E-11	2.04E-09	2.91E-10	8.85E-10	8.97E-12	1.18E-09
2512	470792.92	3817949.32	3.37E-09	1.31E-08	1.73E-10	1.66E-08	2.80E-09	9.60E-09	1.24E-10	1.25E-08	3.18E-10	1.68E-09	2.95E-11	2.03E-09	2.89E-10	8.80E-10	8.93E-12	1.18E-09
2513	470801.68	3817953.08	3.35E-09	1.30E-08	1.72E-10	1.65E-08	2.79E-09	9.53E-09	1.23E-10	1.24E-08	3.16E-10	1.67E-09	2.93E-11	2.02E-09	2.87E-10	8.74E-10	8.87E-12	1.17E-09
2514	470810.45	3817956.84	3.32E-09	1.29E-08	1.71E-10	1.64E-08	2.77E-09	9.47E-09	1.23E-10	1.24E-08	3.14E-10	1.66E-09	2.91E-11	2.00E-09	2.85E-10	8.69E-10	8.81E-12	1.16E-09
2515	470819.21	3817960.6	3.30E-09	1.28E-08	1.70E-10	1.63E-08	2.75E-09	9.41E-09	1.22E-10	1.23E-08	3.12E-10	1.65E-09	2.89E-11	1.99E-09	2.83E-10	8.63E-10	8.75E-12	1.16E-09
2516	470827.97	3817964.37	3.28E-09	1.27E-08	1.69E-10	1.62E-08	2.73E-09	9.35E-09	1.21E-10	1.22E-08	3.10E-10	1.64E-09	2.87E-11	1.98E-09	2.82E-10	8.57E-10	8.69E-12	1.15E-09
2517	470836.73	3817968.13	3.26E-09	1.26E-08	1.67E-10	1.61E-08	2.71E-09	9.28E-09	1.20E-10	1.21E-08	3.08E-10	1.63E-09	2.85E-11	1.96E-09	2.80E-10	8.52E-10	8.64E-12	1.14E-09
2518	470845.49	3817971.89	3.23E-09	1.25E-08	1.66E-10	1.59E-08	2.69E-09	9.21E-09	1.19E-10	1.20E-08	3.05E-10	1.61E-09	2.83E-11	1.95E-09	2.77E-10	8.45E-10	8.57E-12	1.13E-09
2519	470854.26	3817975.65	3.21E-09	1.25E-08	1.65E-10	1.58E-08	2.67E-09	9.15E-09	1.18E-10	1.19E-08	3.03E-10	1.60E-09	2.81E-11	1.93E-09	2.76E-10	8.39E-10	8.51E-12	1.12E-09
2520	470863.02	3817979.41	3.19E-09	1.24E-08	1.64E-10	1.57E-08	2.65E-09	9.08E-09	1.17E-10	1.18E-08	3.01E-10	1.59E-09	2.79E-11	1.92E-09	2.73E-10	8.33E-10	8.44E-12	1.11E-09
2521	470871.78	3817983.17	3.16E-09	1.23E-08	1.62E-10	1.56E-08	2.63E-09	9.01E-09	1.17E-10	1.18E-08	2.98E-10	1.58E-09	2.77E-11	1.90E-09	2.71E-10	8.26E-10	8.38E-12	1.11E-09
2522	470880.54	3817986.93	3.13E-09	1.22E-08	1.61E-10	1.55E-08	2.61E-09	8.93E-09	1.16E-10	1.17E-08	2.96E-10	1.56E-09	2.75E-11	1.89E-09	2.69E-10	8.19E-10	8.31E-12	1.10E-09
2523	470889.3	3817990.69	3.11E-09	1.21E-08	1.60E-10	1.53E-08	2.59E-09	8.87E-09	1.15E-10	1.16E-08	2.94E-10	1.55E-09	2.73E-11	1.88E-09	2.67E-10	8.14E-10	8.25E-12	1.09E-09
2524	470898.07	3817994.45	3.09E-09	1.20E-08	1.59E-10	1.52E-08	2.57E-09	8.80E-09	1.14E-10	1.15E-08	2.92E-10	1.54E-09	2.71E-11	1.86E-09	2.65E-10	8.07E-10	8.18E-12	1.08E-09
2525	470906.83	3817998.21	3.07E-09	1.19E-08	1.57E-10	1.51E-08	2.55E-09	8.74E-09	1.13E-10	1.14E-08	2.89E-10	1.53E-09	2.69E-11	1.85E-09	2.63E-10	8.01E-10	8.13E-12	1.07E-09
2526	470915.59	3818001.97	3.04E-09	1.18E-08	1.56E-10	1.50E-08	2.53E-09	8.66E-09	1.12E-10	1.13E-08	2.87E-10	1.52E-09	2.66E-11	1.83E-09	2.61E-10	7.95E-10	8.06E-12	1.06E-09
2527	470924.35	3818005.73	3.01E-09	1.17E-08	1.55E-10	1.49E-08	2.51E-09	8.59E-09	1.11E-10	1.12E-08	2.85E-10	1.50E-09	2.64E-11	1.82E-09	2.59E-10	7.88E-10	7.99E-12	1.05E-09
2528	470933.12	3818009.49	2.99E-09	1.16E-08	1.54E-10	1.47E-08	2.49E-09	8.52E-09	1.10E-10	1.11E-08	2.82E-10	1.49E-09	2.62E-11	1.80E-09	2.57E-10	7.81E-10	7.92E-12	1.05E-09
2529	470941.88	3818013.26	2.97E-09	1.15E-08	1.52E-10	1.46E-08	2.47E-09	8.46E-09	1.09E-10	1.10E-08	2.80E-10	1.48E-09	2.60E-11	1.79E-09	2.55E-10	7.76E-10	7.87E-12	1.04E-09
2530	470950.64	3818017.02	2.95E-09	1.14E-08	1.51E-10	1.45E-08	2.45E-09	8.39E-09	1.09E-10	1.10E-08	2.78E-10	1.47E-09	2.58E-11	1.77E-09	2.53E-10	7.70E-10	7.81E-12	1.03E-09
2531	470959.4	3818020.78	2.92E-09	1.13E-08	1.50E-10	1.44E-08	2.43E-09	8.32E-09	1.08E-10	1.09E-08	2.76E-10	1.46E-09	2.56E-11	1.76E-09	2.51E-10	7.63E-10	7.74E-12	1.02E-09
2532	470968.16	3818024.54	2.89E-09	1.12E-08	1.49E-10	1.43E-08	2.41E-09	8.25E-09	1.07E-10	1.08E-08	2.73E-10	1.44E-09	2.54E-11	1.74E-09	2.48E-10	7.57E-10	7.67E-12	1.01E-09
2533	470976.93	3818028.3	2.87E-09	1.11E-08	1.47E-10	1.41E-08	2.39E-09	8.18E-09	1.06E-10	1.07E-08	2.71E-10	1.43E-09	2.51E-11	1.73E-09	2.46E-10	7.50E-10	7.61E-12	1.00E-09
2534	470985.69	3818032.06	2.85E-09	1.10E-08	1.46E-10	1.40E-08	2.37E-09	8.11E-09	1.05E-10	1.06E-08	2.69E-10	1.42E-09	2.49E-11	1.72E-09	2.44E-10	7.44E-10	7.55E-12	9.96E-10
2535	470994.45	3818035.82	2.83E-09	1.10E-08	1.45E-10	1.39E-08	2.36E-09	8.06E-09	1.04E-10	1.05E-08	2.67E-10	1.41E-09	2.48E-11	1.70E-09	2.43E-10	7.39E-10	7.50E-12	9.90E-10
2536	471003.21	3818039.58	2.81E-09	1.09E-08	1.44E-10	1.38E-08	2.34E-09	8.00E-09	1.04E-10	1.04E-08	2.65E-10	1.40E-09	2.46E-11	1.69E-09	2.41E-10	7.34E-10	7.44E-12	9.82E-10
2537	471011.97	3818043.34	2.78E-09	1.08E-08	1.43E-10	1.37E-08	2.31E-09	7.92E-09	1.02E-10	1.03E-08	2.62E-10	1.39E-09	2.43E-11	1.67E-09	2.38E-10	7.26E-10	7.36E-12	9.72E-10
2538	471020.74	3818047.1	2.75E-09	1.07E-08	1.41E-10	1.36E-08	2.29E-09	7.84E-09	1.02E-10	1.02E-08	2.60E-10	1.37E-09	2.41E-11	1.66E-09	2.36E-10	7.20E-10	7.30E-12	9.63E-10
2539	471029.5	3818050.86	2.73E-09	1.06E-08	1.40E-10	1.34E-08	2.27E-09	7.77E-09	1.01E-10	1.01E-08	2.58E-10	1.36E-09	2.39E-11	1.64E-09	2.34E-10	7.13E-10	7.23E-12	9.54E-10
2540	471038.26	3818054.62	2.70E-09	1.05E-08	1.39E-10	1.33E-08	2.25E-09	7.70E-09	9.96E-11	1.00E-08	2.55E-10	1.35E-09	2.37E-11	1.63E-09	2.32E-10	7.06E-10	7.16E-12	9.45E-10
2541	471047.02	3818058.38	2.67E-09	1.04E-08	1.37E-10	1.32E-08	2.23E-09	7.62E-09	9.86E-11	9.94E-09	2.52E-10	1.33E-09	2.34E-11	1.61E-09	2.29E-10	6.99E-10	7.08E-12	9.35E-10
2542	471055.78	3818062.15	2.65E-09	1.03E-08	1.36E-10	1.30E-08	2.20E-09	7.54E-09	9.76E-11	9.85E-09	2.50E-10	1.32E-09	2.32E-11	1.59E-09	2.27E-10	6.92E-10	7.02E-12	9.26E-10
2543	471064.55	3818065.91	2.62E-09	1.02E-08	1.35E-10	1.29E-08	2.18E-09	7.47E-09	9.67E-11	9.75E-09	2.48E-10	1.31E-09	2.30E-11	1.58E-09	2.25E-10	6.85E-10	6.95E-12	9.17E-10
2544	471073.31	3818069.67	2.60E-09	1.01E-08	1.33E-10	1.28E-08	2.16E-09	7.40E-09	9.57E-11	9.66E-09	2.45E-10	1.30E-09	2.27E-11	1.56E-09	2.23E-10	6.79E-10	6.88E-12	9.08E-10
2545	471082.07	3818073.43	2.57E-09	9.97E-09	1.32E-10	1.27E-08	2.14E-09	7.33E-09	9.48E-11	9.56E-09	2.43E-10	1.28E-09	2.25E-11	1.55E-09	2.21E-10	6.72E-10	6.81E-12	9.00E-10
2546	471090.83	3818077.19	2.55E-09	9.87E-09	1.31E-10	1.25E-08	2.12E-09	7.25E-09	9.39E-11	9.47E-09	2.40E-10	1.27E-09	2.23E-11	1.53E-09	2.18E-10	6.65E-10	6.75E-12	8.91E-10
2547	471099.59	3818080.95	2.52E-09	9.77E-09	1.29E-10	1.24E-08	2.10E-09	7.18E-09	9.29E-11	9.37E-09	2.38E-10	1.26E-09	2.21E-11	1.52E-09	2.16E-10	6.59E-10	6.68E-12	8.82E-10
2548	471108.36	3818084.71	2.49E-09	9.67E-09	1.28E-10	1.23E-08	2.08E-09	7.11E-09	9.20E-11	9.28E-09	2.36E-10	1.25E-09	2.19E-11	1.50E-09	2.14E-10	6.52E-10	6.61E-12	8.73E-10
2549	471117.12	3818088.47	2.47E-09	9.59E-09	1.27E-10	1.22E-08	2.06E-09	7.05E-09	9.12E-11	9.20E-09	2.33E-10	1.23E-09	2.17E-11	1.49E-09	2.12E-10	6.46E-10	6.55E-12	8.65E-10
2550	471125.88	3818092.23	2.45E-09	9.49E-09	1.26E-10	1.21E-08	2.04E-09	6.97E-09	9.02E-11	9.10E-09	2.31E-10	1.22E-09	2.14E-11	1.47E-09	2.10E-10	6.40E-10	6.49E-12	8.56E-10
2551	471169.69	3818111.04	2.33E-09	9.05E-09	1.20E-10	1.15E-08	1.94E-09	6.65E-09	8.61E-11	8.68E-09	2.20E-10	1.17E-09	2.05E-11	1.41E-09	2.00E-10	6.10E-10	6.19E-12	8.17E-10
2552	471178.45	3818114.8	2.31E-09	8.97E-09	1.19E-10	1.14E-08	1.93E-09	6.59E-09	8.53E-11	8.60E-09	2.18E-10	1.15E-09	2.03E-11	1.39E-09	1.99E-10	6.05E-10	6.13E-12	8.09E-10
2553	471187.22	3818118.56	2.29E-09	8.88E-09	1.18E-10	1.13E-08	1.91E-09	6.53E-09	8.45E-11	8.52E-09	2.16E-10	1.14E-09	2.01E-11	1.38E-09	1.97E-10	5.99E-10	6.07E-12	8.02E-10
2554	471195.98	3818122.32	2.27E-09	8.81E-09	1.17E-10	1.12E-08	1.89E-09	6.48E-09	8.38E-11	8.45E-09	2.15E-10	1.13E-09	1.99E-11	1.37E-09	1.95E-10	5.94E-10	6.02E-12	7.95E-10
2555	471204.74	3818126.08	2.25E-09	8.73E-09	1.16E-10	1.11E-08	1.87E-09	6.41E-09	8.30E-11	8.37E-09	2.13E-10	1.12E-09	1.97E-11	1.36E-09	1.93E-10	5.88E-10	5.97E-12	7.88E-10
2556	471213.5	3818129.84	2.23E-09	8.66E-09	1.15E-10	1.10E-08	1.86E-09	6.36E-09	8.23E-11	8.30E-09	2.11E-10	1.11E-09	1.96E-11	1.35E-09	1.92E-10	5.84E-10	5.92E-12	7.81E-10
2557	471222.26	3818133.6	2.21E-09	8.59E-09	1.14E-10	1.09E-08	1.84E-09	6.31E-09	8.17E-11	8.24E-09	2.09E-10	1.11E-09	1.94E-11	1.33E-09	1.90E-10	5.79E-10	5.87E-12	7.75E-10
2558	471231.03	3818137.36	2.20E-09	8.52E-09	1.13E-10	1.08E-08	1.83E-09	6.26E-09	8.10E-11	8.17E-09	2.07E-10	1.10E-09	1.92E-11	1.32E-09	1.89E-10	5.74E-10	5.82E-12	7.68E-10
2559	471239.79	3818141.12	2.18E-09	8.46E-09	1.12E-10	1.08E-08	1.82E-09	6.22E-09	8.05E-11	8.11E-09	2.06E-10	1.09E-09	1.91E-11	1.31E-09	1.87E-10	5.70E-10	5.78E-12	7.63E-10
2560	471248.55	3818144.88	2.17E-09	8.40E-09	1.11E-10	1.07E-08	1.81E-09	6.18E-09	7.99E-11	8.06E-09	2.05E-10	1.08E-09	1.90E-11	1.31E-09	1.86E-10	5.67E-10	5.75E-12	7.58E-10
2561	471257.31	3818148.64	2.15E-09	8.33E-09	1.10E-10	1.06E-08	1.79E-09	6.12E-09	7.93E-11	7.99E-09	2.03E-10	1.07E-09	1.88E-11	1.29E-09	1.84E-10	5.62E-10	5.70E-12	7.52E-10
2562	471266.07	3818152.4	2.13E-09	8.28E-09	1.10E-10	1.05E-08	1.78E-09	6.08E-09	7.87E-11	7.94E-09	2.02E-10	1.07E-09	1.87E-11	1.29E-09	1.83E-10	5.58E-10	5.66E-12	7.47E-10
2563	471274.84	3818156.16	2.12E-09	8.24E-09	1.09E-10	1.05E-08	1.77E-09	6.05E-09	7.83E-11	7.90E-09	2.01E-10	1.06E-09	1.86E-11	1.28E-09	1.82E-10	5.55E-10	5.63E-12	7.43E-10
2564	471283.6	3818159.93	2.11E-09	8.18E-09	1.08E-10	1.04E-08	1.76E-09	6.01E-09	7.78E-11	7.84E-09	1.99E-10	1.05E-09	1.85E-11	1.27E-09	1.81E-10	5.51E-10	5.59E-12	7.38E-10
2565	471292.36	3818163.69	2.10E-09	8.14E-09	1.08E-10	1.03E-08	1.75E-09	5.98E-09	7.74E-11	7.80E-09	1.98E-10	1.05E-09	1.84E-11	1.26E-09	1.80E-10	5.48E-10	5.56E-12	7.34E-10
2566	471301.12	3818167.45	2.09E-09	8.09E-09	1.07E-10	1.03E-08	1.74E-09	5.95E-09	7.70E-11	7.76E-09	1.97E-10	1.04E-09	1.83E-11	1.26E-09	1.79E-10	5.46E-10	5.53E-12	7.30E-10
2567	471309.89	3818171.21	2.08E-09	8.05E-09	1.07E-10	1.02E-08	1.73E-09	5.92E-09	7.66E-11	7.72E-09	1.96E-10	1.04E-09	1.82E-11	1.25E-09	1.78E-10	5.43E-10	5.50E-12	7.26E-10
2568	471318.65	3818174.97	2.07E-09	8.01E-09	1.06E-10	1.02E-08	1.72E-09	5.89E-09	7.62E-11	7.68E-09	1.95E-10	1.03E-09	1.81E-11	1.24E-09	1.77E-10	5.40E-10	5.48E-12	7.23E-10
2569	471327.41	3818178.73	2.05E-09	7.97E-09	1.06E-10	1.01E-08	1.71E-09	5.85E-09	7.58E-11	7.64E-09	1.94E-10	1.03E-09	1.80E-11	1.24E-09	1.76E-10	5.37E-10	5.45E-12	7.19E-10
2570	471336.17	3818182.49	2.05E-09	7.94E-09	1.05E-10	1.01E-08	1.71E-09	5.83E-09	7.55E-11	7.61E-09	1.93E-10	1.02E-09	1.79E-11	1.23E-09	1.76E-10	5.35E-10	5.43E-12	7.16E-10
2571	471344.93	3818186.25	2.04E-09	7.91E-09	1.05E-10	1.01E-08	1.70E-09	5.81E-09	7.52E-11	7.59E-09	1.93E-10	1.02E-09	1.79E-11	1.23E-09	1.75E-10	5.33E-10	5.41E-12	7.14E-10
2572	471357.26	3818198.86	2.05E-09	7.94E-09	1.05E-10	1.01E-08	1.71E-09	5.83E-09	7.55E-11	7.61E-09	1.93E-10	1.02E-09	1.79E-11	1.23E-09	1.76E-10	5.35E-10	5.43E-12	7.16E-10
2573	471360.82	3818207.7	2.06E-09	8.00E-09	1.06E-10	1.02E-08	1.72E-09	5.88E-09	7.60E-11	7.67E-09	1.95E-10	1.03E-09	1.81E-11	1.24E-09	1.77E-10	5.39E-10	5.47E-12	7.21E-10
2574	471364.38	3818216.55	2.08E-09	8.05E-09	1.07E-10	1.02E-08	1.73E-09	5.92E-09	7.66E-11	7.72E-09	1.96E-10	1.04E-09	1.82E-11	1.25E-09	1.78E-10	5.43E-10	5.50E-12	7.26E-10
2575	471367.94	3818225.39	2.09E-09	8.12E-09	1.08E-10	1.03E-08	1.74E-09	5.97E-09	7.72E-11	7.79E-09	1.98E-10	1.05E-09	1.84E-11	1.26E-09	1.80E-10	5.48E-10	5.55E-12	7.33E-10
2576	471371.5	3818234.24	2.11E-09	8.19E-09	1.09E-10	1.04E-08	1.76E-09	6.02E-09	7.79E-11	7.86E-09	1.99E-10	1.05E-09	1.85E-11	1.27E-09	1.81E-10	5.52E-10	5.60E-12	7.39E-10
2577	471375.06	3818243.08	2.13E-09	8.26E-09	1.09E-10	1.05E-08	1.77E-09	6.07E-09	7.86E-11	7.93E-09	2.01E-10	1.06E-09	1.87E-11	1.28E-09	1.83E-10	5.57E-10	5.65E-12	7.46E-10
2578	471378.62	3818251.93	2.15E-09	8.33E-09	1.10E-10	1.06E-08	1.79E-09	6.12E-09	7.93E-11	7.99E-09	2.03E-10	1.07E-09	1.88E-11	1.29E-09	1.84E-10	5.62E-10	5.70E-12	7.52E-10
2579	471382.18	3818260.77	2.17E-09	8.42E-09	1.12E-10	1.07E-08	1.81E-09	6.19E-09	8.01E-11	8.07E-09	2.05E-10	1.08E-09	1.90E-11	1.31E-09	1.86E-10	5.67E-10	5.75E-12	7.60E-10
2580	471385.74	3818269.62	2.19E-09	8.49E-09	1.12E-10	1.08E-08	1.82E-09	6.24E-09	8.07E-11	8.14E-09	2.07E-10	1.09E-09	1.92E-11	1.32E-09	1.88E-10	5.72E-10	5.80E-12	7.66E-10
2581	471389.31	3818278.46	2.21E-09	8.59E-09	1.14E-10	1.09E-08	1.84E-09	6.31E-09	8.17E-11	8.24E-09	2.09E-10	1.11E-09	1.94E-11	1.33E-09	1.90E-10	5.79E-10	5.87E-12	7.75E-10
2582	471392.87	3818287.31	2.24E-09	8.67E-09	1.15E-10	1.10E-08	1.86E-09	6.37E-09	8.25E-11	8.32E-09	2.11E-10	1.12E-09	1.96E-11	1.35E-09	1.92E-10	5.85E-10	5.93E-12	7.82E-10
2583	471396.43	3818296.15	2.26E-09	8.76E-09	1.16E-10	1.11E-08	1.88E-09	6.43E-09	8.33E-11	8.40E-09	2.13E-10	1.13E-09	1.98E-11	1.36E-09	1.94E-10	5.90E-10	5.99E-12	7.90E-10
2584	471399.99	3818305	2.28E-09	8.86E-09	1.17E-10	1.13E-08	1.90E-09	6.51E-09	8.42E-11	8.49E-09	2.16E-10	1.14E-09	2.00E-11	1.38E-09	1.96E-10	5.97E-10	6.05E-12	7.99E-10
2585	471403.55	3818313.84	2.31E-09	8.95E-09	1.19E-10	1.14E-08	1.92E-09	6.58E-09	8.52E-11	8.59E-09	2.18E-10	1.15E-09	2.02E-11	1.39E-09	1.98E-10	6.04E-10	6.12E-12	8.08E-10
2586	471407.11	3818322.69	2.33E-09	9.05E-09	1.20E-10	1.15E-08	1.94E-09	6.65E-09	8.61E-11	8.68E-09	2.20E-10	1.17E-09	2.05E-11	1.41E-09	2.00E-10	6.10E-10	6.19E-12	8.17E-10
2587	471410.67	3818331.53	2.36E-09	9.17E-09	1.21E-10	1.17E-08	1.97E-09	6.74E-09	8.72E-11	8.79E-09	2.23E-10	1.18E-09	2.07E-11	1.42E-09	2.03E-10	6.18E-10	6.27E-12	8.27E-10
2588	471414.23	3818340.38	2.39E-09	9.28E-09	1.23E-10	1.18E-08	1.99E-09	6.82E-09	8.82E-11	8.90E-09	2.26E-10	1.19E-09	2.10E-11	1.44E-09	2.05E-10	6.25E-10	6.34E-12	8

2589	471417.79	3818349.22	2.42E-09	9.39E-09	1.24E-10	1.19E-08	2.02E-09	6.90E-09	8.93E-11	9.01E-09	2.29E-10	1.21E-09	2.12E-11	1.46E-09	2.08E-10	6.33E-10	6.42E-12	8.47E-10
2590	471421.35	3818358.07	2.45E-09	9.50E-09	1.26E-10	1.21E-08	2.04E-09	6.98E-09	9.04E-11	9.12E-09	2.31E-10	1.22E-09	2.15E-11	1.48E-09	2.10E-10	6.41E-10	6.50E-12	8.58E-10
2591	471424.92	3818366.91	2.48E-09	9.62E-09	1.27E-10	1.22E-08	2.07E-09	7.07E-09	9.15E-11	9.22E-09	2.34E-10	1.24E-09	2.17E-11	1.49E-09	2.13E-10	6.48E-10	6.57E-12	8.68E-10
2592	471428.48	3818375.76	2.51E-09	9.74E-09	1.29E-10	1.24E-08	2.09E-09	7.16E-09	9.27E-11	9.35E-09	2.37E-10	1.25E-09	2.20E-11	1.51E-09	2.16E-10	6.57E-10	6.66E-12	8.79E-10
2593	471432.04	3818384.61	2.55E-09	9.87E-09	1.31E-10	1.25E-08	2.12E-09	7.25E-09	9.39E-11	9.47E-09	2.40E-10	1.27E-09	2.23E-11	1.53E-09	2.18E-10	6.65E-10	6.75E-12	8.91E-10
2594	471435.6	3818393.45	2.58E-09	1.00E-08	1.32E-10	1.27E-08	2.15E-09	7.35E-09	9.51E-11	9.59E-09	2.43E-10	1.29E-09	2.26E-11	1.55E-09	2.21E-10	6.74E-10	6.83E-12	9.02E-10
2595	471439.16	3818402.3	2.61E-09	1.01E-08	1.34E-10	1.29E-08	2.17E-09	7.44E-09	9.63E-11	9.71E-09	2.47E-10	1.30E-09	2.29E-11	1.57E-09	2.24E-10	6.82E-10	6.92E-12	9.13E-10
2596	471442.72	3818411.14	2.65E-09	1.03E-08	1.36E-10	1.30E-08	2.20E-09	7.54E-09	9.76E-11	9.85E-09	2.50E-10	1.32E-09	2.32E-11	1.59E-09	2.27E-10	6.92E-10	7.02E-12	9.26E-10
2597	471446.28	3818419.99	2.68E-09	1.04E-08	1.38E-10	1.32E-08	2.24E-09	7.65E-09	9.90E-11	9.98E-09	2.53E-10	1.34E-09	2.35E-11	1.62E-09	2.30E-10	7.01E-10	7.11E-12	9.39E-10
2598	471449.84	3818428.83	2.72E-09	1.05E-08	1.40E-10	1.34E-08	2.27E-09	7.75E-09	1.00E-10	1.01E-08	2.57E-10	1.36E-09	2.38E-11	1.64E-09	2.33E-10	7.11E-10	7.21E-12	9.52E-10
2599	471460.53	3818455.37	2.83E-09	1.10E-08	1.46E-10	1.40E-08	2.36E-09	8.07E-09	1.04E-10	1.05E-08	2.67E-10	1.41E-09	2.48E-11	1.71E-09	2.43E-10	7.40E-10	7.51E-12	9.91E-10
2600	471464.09	3818464.21	2.87E-09	1.11E-08	1.48E-10	1.42E-08	2.39E-09	8.19E-09	1.06E-10	1.07E-08	2.71E-10	1.43E-09	2.52E-11	1.73E-09	2.47E-10	7.51E-10	7.61E-12	1.01E-09
2601	471467.65	3818473.06	2.91E-09	1.13E-08	1.50E-10	1.44E-08	2.43E-09	8.30E-09	1.07E-10	1.08E-08	2.75E-10	1.45E-09	2.55E-11	1.75E-09	2.50E-10	7.61E-10	7.72E-12	1.02E-09
2602	471471.21	3818481.9	2.95E-09	1.15E-08	1.52E-10	1.46E-08	2.46E-09	8.41E-09	1.09E-10	1.10E-08	2.79E-10	1.47E-09	2.59E-11	1.78E-09	2.53E-10	7.72E-10	7.83E-12	1.03E-09
2603	471474.77	3818490.75	3.00E-09	1.16E-08	1.54E-10	1.48E-08	2.50E-09	8.54E-09	1.10E-10	1.11E-08	2.83E-10	1.50E-09	2.63E-11	1.81E-09	2.57E-10	7.83E-10	7.94E-12	1.05E-09
2604	471478.33	3818499.59	3.04E-09	1.18E-08	1.56E-10	1.50E-08	2.53E-09	8.65E-09	1.12E-10	1.13E-08	2.87E-10	1.52E-09	2.66E-11	1.83E-09	2.61E-10	7.94E-10	8.05E-12	1.06E-09
2605	471481.89	3818508.44	3.08E-09	1.19E-08	1.58E-10	1.52E-08	2.57E-09	8.78E-09	1.14E-10	1.15E-08	2.91E-10	1.54E-09	2.70E-11	1.86E-09	2.64E-10	8.05E-10	8.16E-12	1.08E-09
2606	471485.45	3818517.28	3.12E-09	1.21E-08	1.60E-10	1.54E-08	2.60E-09	8.90E-09	1.15E-10	1.16E-08	2.95E-10	1.56E-09	2.74E-11	1.88E-09	2.68E-10	8.17E-10	8.28E-12	1.09E-09
2607	471489.01	3818526.13	3.17E-09	1.23E-08	1.63E-10	1.56E-08	2.64E-09	9.04E-09	1.17E-10	1.18E-08	2.99E-10	1.58E-09	2.78E-11	1.91E-09	2.72E-10	8.29E-10	8.41E-12	1.11E-09
2608	471492.57	3818534.97	3.21E-09	1.25E-08	1.65E-10	1.58E-08	2.68E-09	9.16E-09	1.19E-10	1.20E-08	3.04E-10	1.60E-09	2.82E-11	1.94E-09	2.76E-10	8.40E-10	8.52E-12	1.12E-09
2609	471496.14	3818543.82	3.26E-09	1.27E-08	1.68E-10	1.61E-08	2.72E-09	9.30E-09	1.20E-10	1.21E-08	3.08E-10	1.63E-09	2.86E-11	1.96E-09	2.80E-10	8.53E-10	8.65E-12	1.14E-09
2610	471499.7	3818552.66	3.31E-09	1.28E-08	1.70E-10	1.63E-08	2.76E-09	9.43E-09	1.22E-10	1.23E-08	3.12E-10	1.65E-09	2.90E-11	1.99E-09	2.84E-10	8.65E-10	8.77E-12	1.16E-09
2611	471503.26	3818561.51	3.36E-09	1.30E-08	1.72E-10	1.65E-08	2.80E-09	9.56E-09	1.24E-10	1.25E-08	3.17E-10	1.68E-09	2.94E-11	2.02E-09	2.88E-10	8.77E-10	8.90E-12	1.17E-09
2612	471506.82	3818570.35	3.41E-09	1.32E-08	1.75E-10	1.68E-08	2.84E-09	9.71E-09	1.26E-10	1.27E-08	3.22E-10	1.70E-09	2.99E-11	2.05E-09	2.92E-10	8.91E-10	9.03E-12	1.19E-09
2613	471510.38	3818579.2	3.46E-09	1.34E-08	1.78E-10	1.70E-08	2.88E-09	9.85E-09	1.28E-10	1.29E-08	3.27E-10	1.73E-09	3.03E-11	2.08E-09	2.97E-10	9.04E-10	9.17E-12	1.21E-09
2614	471513.94	3818588.04	3.51E-09	1.36E-08	1.80E-10	1.73E-08	2.92E-09	1.00E-08	1.29E-10	1.31E-08	3.31E-10	1.75E-09	3.07E-11	2.11E-09	3.01E-10	9.17E-10	9.30E-12	1.23E-09
2615	471517.5	3818596.89	3.56E-09	1.38E-08	1.83E-10	1.75E-08	2.97E-09	1.01E-08	1.31E-10	1.32E-08	3.36E-10	1.78E-09	3.12E-11	2.14E-09	3.06E-10	9.31E-10	9.44E-12	1.25E-09
2616	471521.06	3818605.73	3.61E-09	1.40E-08	1.86E-10	1.78E-08	3.01E-09	1.03E-08	1.33E-10	1.34E-08	3.41E-10	1.80E-09	3.17E-11	2.18E-09	3.10E-10	9.45E-10	9.58E-12	1.26E-09
2617	471524.62	3818614.58	3.67E-09	1.42E-08	1.89E-10	1.81E-08	3.06E-09	1.05E-08	1.35E-10	1.36E-08	3.46E-10	1.83E-09	3.21E-11	2.21E-09	3.15E-10	9.59E-10	9.73E-12	1.28E-09
2618	471528.18	3818623.42	3.72E-09	1.44E-08	1.91E-10	1.84E-08	3.10E-09	1.06E-08	1.37E-10	1.38E-08	3.52E-10	1.86E-09	3.26E-11	2.24E-09	3.20E-10	9.73E-10	9.87E-12	1.30E-09
2619	471531.75	3818632.27	3.78E-09	1.47E-08	1.94E-10	1.86E-08	3.15E-09	1.08E-08	1.39E-10	1.41E-08	3.57E-10	1.89E-09	3.31E-11	2.28E-09	3.25E-10	9.89E-10	1.00E-11	1.32E-09
2620	471535.31	3818641.11	3.84E-09	1.49E-08	1.97E-10	1.89E-08	3.20E-09	1.09E-08	1.42E-10	1.43E-08	3.63E-10	1.92E-09	3.36E-11	2.31E-09	3.30E-10	1.00E-09	1.02E-11	1.34E-09
2621	471538.87	3818649.96	3.90E-09	1.51E-08	2.00E-10	1.92E-08	3.25E-09	1.11E-08	1.44E-10	1.45E-08	3.68E-10	1.95E-09	3.42E-11	2.35E-09	3.35E-10	1.02E-09	1.03E-11	1.36E-09
2622	471542.43	3818658.81	3.96E-09	1.53E-08	2.03E-10	1.95E-08	3.30E-09	1.13E-08	1.46E-10	1.47E-08	3.74E-10	1.98E-09	3.47E-11	2.38E-09	3.40E-10	1.03E-09	1.05E-11	1.38E-09
2623	471545.99	3818667.65	4.02E-09	1.56E-08	2.06E-10	1.98E-08	3.35E-09	1.15E-08	1.48E-10	1.49E-08	3.79E-10	2.01E-09	3.52E-11	2.42E-09	3.45E-10	1.05E-09	1.07E-11	1.41E-09
2624	471549.55	3818676.5	4.08E-09	1.58E-08	2.10E-10	2.01E-08	3.40E-09	1.16E-08	1.50E-10	1.52E-08	3.85E-10	2.04E-09	3.57E-11	2.46E-09	3.50E-10	1.07E-09	1.08E-11	1.43E-09
2625	471553.11	3818685.34	4.15E-09	1.61E-08	2.13E-10	2.04E-08	3.45E-09	1.18E-08	1.53E-10	1.54E-08	3.91E-10	2.07E-09	3.63E-11	2.50E-09	3.56E-10	1.08E-09	1.10E-11	1.45E-09
2626	471556.67	3818694.19	4.21E-09	1.63E-08	2.16E-10	2.08E-08	3.51E-09	1.20E-08	1.55E-10	1.57E-08	3.98E-10	2.10E-09	3.69E-11	2.54E-09	3.61E-10	1.10E-09	1.12E-11	1.47E-09
2627	471560.23	3818703.03	4.28E-09	1.66E-08	2.20E-10	2.11E-08	3.56E-09	1.22E-08	1.58E-10	1.59E-08	4.04E-10	2.13E-09	3.75E-11	2.58E-09	3.67E-10	1.12E-09	1.13E-11	1.50E-09
2628	471563.79	3818711.88	4.35E-09	1.69E-08	2.23E-10	2.14E-08	3.62E-09	1.24E-08	1.60E-10	1.62E-08	4.10E-10	2.17E-09	3.81E-11	2.62E-09	3.73E-10	1.14E-09	1.15E-11	1.52E-09
2629	471567.36	3818720.72	4.41E-09	1.71E-08	2.27E-10	2.18E-08	3.68E-09	1.26E-08	1.63E-10	1.64E-08	4.17E-10	2.20E-09	3.87E-11	2.66E-09	3.79E-10	1.15E-09	1.17E-11	1.54E-09
2630	471570.92	3818729.57	4.48E-09	1.74E-08	2.30E-10	2.21E-08	3.73E-09	1.28E-08	1.65E-10	1.67E-08	4.23E-10	2.24E-09	3.93E-11	2.70E-09	3.85E-10	1.17E-09	1.19E-11	1.57E-09
2631	471574.48	3818738.41	4.56E-09	1.77E-08	2.34E-10	2.25E-08	3.79E-09	1.30E-08	1.68E-10	1.69E-08	4.30E-10	2.27E-09	3.99E-11	2.74E-09	3.91E-10	1.19E-09	1.21E-11	1.59E-09
2632	471578.04	3818747.26	4.63E-09	1.80E-08	2.38E-10	2.28E-08	3.86E-09	1.32E-08	1.71E-10	1.72E-08	4.37E-10	2.31E-09	4.06E-11	2.79E-09	3.97E-10	1.21E-09	1.23E-11	1.62E-09
2633	471581.6	3818756.1	4.71E-09	1.82E-08	2.42E-10	2.32E-08	3.92E-09	1.34E-08	1.74E-10	1.75E-08	4.44E-10	2.35E-09	4.12E-11	2.83E-09	4.04E-10	1.23E-09	1.25E-11	1.65E-09
2634	471585.16	3818764.95	4.78E-09	1.85E-08	2.45E-10	2.36E-08	3.98E-09	1.36E-08	1.76E-10	1.78E-08	4.51E-10	2.39E-09	4.19E-11	2.88E-09	4.10E-10	1.25E-09	1.27E-11	1.67E-09
2635	471588.72	3818773.79	4.86E-09	1.88E-08	2.50E-10	2.39E-08	4.05E-09	1.38E-08	1.79E-10	1.81E-08	4.59E-10	2.43E-09	4.26E-11	2.93E-09	4.17E-10	1.27E-09	1.29E-11	1.70E-09
2636	471592.28	3818782.64	4.93E-09	1.91E-08	2.54E-10	2.43E-08	4.11E-09	1.41E-08	1.82E-10	1.84E-08	4.66E-10	2.46E-09	4.32E-11	2.97E-09	4.24E-10	1.29E-09	1.31E-11	1.73E-09
2637	471595.84	3818791.48	5.01E-09	1.94E-08	2.58E-10	2.47E-08	4.18E-09	1.43E-08	1.85E-10	1.87E-08	4.73E-10	2.50E-09	4.39E-11	3.02E-09	4.30E-10	1.31E-09	1.33E-11	1.75E-09
2638	471599.4	3818800.33	5.09E-09	1.98E-08	2.62E-10	2.51E-08	4.24E-09	1.45E-08	1.88E-10	1.89E-08	4.81E-10	2.54E-09	4.46E-11	3.07E-09	4.37E-10	1.33E-09	1.35E-11	1.78E-09
2639	471602.97	3818809.17	5.18E-09	2.01E-08	2.66E-10	2.55E-08	4.31E-09	1.48E-08	1.91E-10	1.93E-08	4.89E-10	2.59E-09	4.54E-11	3.12E-09	4.44E-10	1.35E-09	1.37E-11	1.81E-09
2640	471606.53	3818818.02	5.26E-09	2.04E-08	2.70E-10	2.59E-08	4.38E-09	1.50E-08	1.94E-10	1.96E-08	4.97E-10	2.63E-09	4.61E-11	3.17E-09	4.52E-10	1.38E-09	1.39E-11	1.84E-09
2641	471610.09	3818826.86	5.35E-09	2.07E-08	2.75E-10	2.63E-08	4.45E-09	1.52E-08	1.97E-10	1.99E-08	5.05E-10	2.67E-09	4.68E-11	3.22E-09	4.59E-10	1.40E-09	1.42E-11	1.87E-09
2642	471620.77	3818853.4	5.60E-09	2.17E-08	2.88E-10	2.76E-08	4.67E-09	1.60E-08	2.07E-10	2.08E-08	5.29E-10	2.80E-09	4.91E-11	3.38E-09	4.81E-10	1.46E-09	1.49E-11	1.96E-09
2643	471624.33	3818862.24	5.69E-09	2.21E-08	2.93E-10	2.81E-08	4.74E-09	1.62E-08	2.10E-10	2.12E-08	5.38E-10	2.84E-09	4.99E-11	3.43E-09	4.89E-10	1.49E-09	1.51E-11	1.99E-09
2644	471627.89	3818871.09	5.78E-09	2.24E-08	2.97E-10	2.85E-08	4.82E-09	1.65E-08	2.13E-10	2.15E-08	5.46E-10	2.89E-09	5.07E-11	3.48E-09	4.96E-10	1.51E-09	1.53E-11	2.02E-09
2645	471631.45	3818879.93	5.87E-09	2.28E-08	3.02E-10	2.89E-08	4.89E-09	1.67E-08	2.17E-10	2.18E-08	5.55E-10	2.93E-09	5.15E-11	3.54E-09	5.04E-10	1.54E-09	1.56E-11	2.05E-09
2646	471635.01	3818888.78	5.96E-09	2.31E-08	3.06E-10	2.94E-08	4.97E-09	1.70E-08	2.20E-10	2.22E-08	5.63E-10	2.98E-09	5.23E-11	3.59E-09	5.12E-10	1.56E-09	1.58E-11	2.09E-09
2647	471638.58	3818897.62	6.05E-09	2.35E-08	3.11E-10	2.98E-08	5.04E-09	1.73E-08	2.23E-10	2.25E-08	5.72E-10	3.02E-09	5.31E-11	3.65E-09	5.20E-10	1.58E-09	1.60E-11	2.12E-09
2648	471642.14	3818906.47	6.14E-09	2.38E-08	3.16E-10	3.03E-08	5.12E-09	1.75E-08	2.27E-10	2.29E-08	5.80E-10	3.07E-09	5.38E-11	3.70E-09	5.28E-10	1.61E-09	1.63E-11	2.15E-09
2649	471645.7	3818915.31	6.24E-09	2.42E-08	3.21E-10	3.08E-08	5.20E-09	1.78E-08	2.30E-10	2.32E-08	5.89E-10	3.12E-09	5.47E-11	3.76E-09	5.36E-10	1.63E-09	1.65E-11	2.18E-09
2650	471649.26	3818924.16	6.33E-09	2.46E-08	3.25E-10	3.12E-08	5.27E-09	1.80E-08	2.33E-10	2.35E-08	5.98E-10	3.16E-09	5.55E-11	3.81E-09	5.43E-10	1.65E-09	1.68E-11	2.22E-09
2651	471652.82	3818933.01	6.42E-09	2.49E-08	3.30E-10	3.17E-08	5.35E-09	1.83E-08	2.37E-10	2.39E-08	6.07E-10	3.21E-09	5.63E-11	3.87E-09	5.52E-10	1.68E-09	1.70E-11	2.25E-09
2652	471659.94	3818950.7	6.61E-09	2.56E-08	3.40E-10	3.26E-08	5.51E-09	1.88E-08	2.44E-10	2.46E-08	6.24E-10	3.30E-09	5.79E-11	3.98E-09	5.67E-10	1.73E-09	1.75E-11	2.31E-09
2653	471663.5	3818959.54	6.70E-09	2.60E-08	3.44E-10	3.30E-08	5.58E-09	1.91E-08	2.47E-10	2.49E-08	6.33E-10	3.35E-09	5.87E-11	4.04E-09	5.75E-10	1.75E-09	1.78E-11	2.34E-09
2654	471667.06	3818968.39	6.80E-09	2.64E-08	3.49E-10	3.35E-08	5.66E-09	1.94E-08	2.51E-10	2.53E-08	6.42E-10	3.39E-09	5.96E-11	4.09E-09	5.83E-10	1.78E-09	1.80E-11	2.38E-09
2655	471670.62	3818977.23	6.89E-09	2.67E-08	3.54E-10	3.39E-08	5.74E-09	1.96E-08	2.54E-10	2.56E-08	6.50E-10	3.44E-09	6.03E-11	4.15E-09	5.91E-10	1.80E-09	1.83E-11	2.41E-09
2656	471674.19	3818986.08	6.98E-09	2.71E-08	3.59E-10	3.44E-08	5.81E-09	1.99E-08	2.57E-10	2.60E-08	6.59E-10	3.49E-09	6.12E-11	4.21E-09	5.99E-10	1.83E-09	1.85E-11	2.44E-09
2657	471677.75	3818994.92	7.07E-09	2.74E-08	3.63E-10	3.49E-08	5.89E-09	2.02E-08	2.61E-10	2.63E-08	6.68E-10	3.53E-09	6.20E-11	4.26E-09	6.07E-10	1.85E-09	1.87E-11	2.47E-09
2658	471681.31	3819003.77	7.16E-09	2.78E-08	3.68E-10	3.53E-08	5.97E-09	2.04E-08	2.64E-10	2.66E-08	6.76E-10	3.58E-09	6.28E-11	4.32E-09	6.15E-10	1.87E-09	1.90E-11	2.51E-09
2659	471684.87	3819012.61	7.25E-09	2.81E-08	3.73E-10	3.58E-08	6.04E-09	2.07E-08	2.68E-10	2.70E-08	6.85E-10	3.62E-09	6.36E-11	4.37E-09	6.23E-10	1.90E-09	1.92E-11	2.54E-09
2660	471688.43	3819021.46	7.34E-09	2.85E-08	3.77E-10	3.62E-08	6.11E-09	2.09E-08	2.71E-10	2.73E-08	6.93E-10	3.67E-09	6.43E-11	4.42E-09	6.30E-10	1.92E-09	1.95E-11	2.57E-09
2661	471691.99	3819030.3	7.43E-09	2.88E-08	3.82E-10	3.66E-08	6.19E-09	2.12E-08	2.74E-10	2.76E-08	7.02E-10	3.71E-09	6.51E-11	4.48E-09	6.38E-10	1.94E-09	1.97E-11	2.60E-09
2662	471702.67	3819056.84	7.69E-09	2.98E-08	3.95E-10	3.79E-08	6.40E-09	2.19E-08	2.83E-10	2.86E-08	7.26E-10	3.84E-09	6.74E-11	4.63E-09	6.60E-10	2.01E-09	2.04E-11	2.69E-09
2663	471706.23	3819065.68	7.77E-09	3.01E-08	3.99E-10	3.83E-08	6.47E-09	2.21E-08	2.87E-10	2.89E-08	7.34E-10	3.88E-09	6.81E-11	4.68E-09	6.67E-10	2.03E-09	2.06E-11	2.72E-09
2664	471709.79	3819074.53	7.85E-09	3.05E-08	4.04E-10	3.87E-08	6.54E-09	2.24E-08	2.90E-10	2.92E-08	7.42E-10	3.92E-09	6.88E-11	4.73E-09	6.74E-10	2.05E-09	2.08E-11	2.75E-09
2665	471713.36	3819083.37	7.93E-09	3.08E-08	4.08E-10	3.91E-08	6.61E-09	2.26E-08	2.93E-10	2.95E-08	7.49E-10	3.96E-09	6.95E-11	4.78E-09	6.81E-10	2.07E-09	2.10E-11	2.78E-09
2666	471716.92	3819092.22	8.01E-09	3.11E-08	4.12E-10	3.95E-08	6.67E-09	2.28E-08	2.95E-10	2.98E-08	7.56E-10	4.00E-09	7.02E-11	4.83E-09	6.88E-10	2.09E-09	2.12E-11	2.80E-09
2667	471720.48	3819101.06	8.09E-09	3.14E-08	4.15E-10	3.99E-08	6.74E-09	2.30E-08	2.98E-10	3.01E-08	7.64E-10	4.04E-09	7.09E-11	4.87E-09	6.94E-10	2.11E-09	2.14E-11	2.83E-09
2668	471724.04	3819109.91	8.16E-09	3.17E-08	4.19E-10	4.02E-08	6.80E-09	2.33E-08	3.01E-10	3.04E-08	7.71E-10	4.08E-09	7.15E-11	4.92E-09	7.01E-10	2.13E-09	2.16E-11	2.86E-09
2669	471727.6	3819118.75	8.24E-09	3.19E-08	4.23E-10	4.06E-08	6.86E-09	2.35E-08	3.04E-10	3.06E-08	7.78E-10	4.11E-09	7.22E-11	4.96E-09	7.07E-10	2.15E-09	2.18E-11	2.88E-09
2670	471731.16	3819127.6	8.30E-09	3.22E-08	4.27E-10	4.09E-08	6.92E-09	2.37E-08	3.06E-10	3.09E-08	7.84E-10	4.15E-09	7.28E-11	5.00E-09	7.13E-10	2.17E-09	2.20E-11	2.91E-09
2671	471741.84	3819154.13	8.50E-09	3.30E-08	4.37E-10	4.19E-08	7.08E-09	2.42E-08	3.14E-10	3.16E-08	8.03E-10	4.25E-09	7.45E-11	5.12E-09	7.30E-10	2.22E-09	2.25E-11	2.98E-09
2672	471745.4	3819162.98	8.56E-09	3.32E-08	4.40E-10	4.22E-08	7.13E-09	2.44E-08	3.16E-10	3.19E-08	8.09E-10	4.28E-09	7.50E-11	5.16E-09	7.35E-10	2.24E-09	2.27E-11	3.00E-09
2673	471748.97	3819171.82	8.62E-09	3.34E-08	4.43E-10	4.25E-08	7.18E-09	2.46E-08	3.18E-10	3.21E-08	8.14E-10	4.30E-09	7.55E-11	5.19E-09	7.40E-10	2.25E-09	2.29E-11	3.02E-09
2674	471752.53	3819180.67	8.68E-09	3.37E-08	4.46E-10	4.28E-08	7.23E-09	2.47E-08	3.20E-10	3.23E-08	8.20E-10	4.33E-09	7.61E-11	5.23E-09	7.45E-10	2.27E-09	2.30E-11	3.04E-09
2675	471756.09	3819189.51	8.73E-09	3.39E-08	4.49E-10	4.31E-08	7.27E-09	2.49E-08	3.22E-10	3.25E-08	8.25E-10	4.36E-09	7.65E-11	5.26E-09	7.50E-10	2.28E-09	2.32E-11	3.06E-09
2676	471759.65	3819198.36	8.78E-09	3.41E-08	4.51E-10	4.33E-08	7.32E-09	2.50E-08	3.24E-10	3.27E-08	8.30E-10	4.39E-09	7.70E-11	5.29E-09	7.54E-10	2.30E-09	2.33E-11	3.07E-09
2677	471763.21	3819207.21	8.84E-09	3.43E-08	4.54E-10	4.36E-08	7.36E-09	2.52E-08	3.26E-10	3.29E-08	8.34E-10	4.41E-09	7.74E-11	5.32E-09	7.59E-10	2.31E-09	2.34E-11	3.09E-09
2678	471766.77	3819216.05	8.88E-09	3.44E-08	4.56E-10	4.38E-08	7.40E-09	2.53E-08	3.27E-10	3.30E-08	8.38E-10	4.43E-09	7.78E-11	5.35E-09	7.62E-10	2.32E-09	2.35E-11	3.11E-09
2679	471770.33	3819224.9	8.93E-09	3.46E-08	4.59E-10	4.40E-08	7.44E-09	2.54E-08	3.29E-10	3.32E-08	8.43E-10	4.46E-09	7.82E-11	5.38E-09	7.66E-10	2.33E-09	2.37E-11	3.12E-09
2680	470302.24	3817738.72	5.15E-09	2.00E-08	2.65E-10	2.54E-08	4.29E-09	1.47E-08	1.90E-10	1.92E-08	4.86E-10	2.57E-09	4.51E-11	3.10E-09	4.42E-10	1.35E-09	1.36E-11	1.80E-09
2681	470292.68	3817738.58	5.23E-09	2.03E-08	2.68E-10	2.58E-08	4.35E-09	1.49E-08	1.93E-10	1.94E-08	4.93E-10	2.61E-09	4.58E-11	3.15E-09	4.49E-10	1.37E-09	1.39E-11	1.83E-09
2682	470283.12	3817738.45	5.29E-09	2.05E-08	2.72E-10	2.61E-08	4.41E-09	1.51E-08	1.95E-10	1.97E-08	5.00E-10	2.64E-09	4.64E-11	3.19E-09	4.54E-10	1.38E-09	1.40E-11	1.85E-09
2683	470273.56	3817738.31	5.37E-09	2.08E-08	2.76E-10	2.65E-08	4.47E-09	1.53E-08	1.98E-10	2.00E-08	5.07E-10	2.68E-09	4.70E-11	3.23E-09	4.61E-10	1.40E-09	1.42E-11	1.88E-09
2684	470264	3817738.18	5.44E-09	2.11E-08	2.79E-10	2.68E-08	4.53E-09	1.55E-08	2.00E-10	2.02E-08	5.13E-10	2.71E-09	4.76E-11	3.27E-09	4.67E-10	1.42E-09	1.44E-11

2685	470254.43	3817738.04	5.51E-09	2.14E-08	2.83E-10	2.72E-08	4.59E-09	1.57E-08	2.03E-10	2.05E-08	5.20E-10	2.75E-09	4.83E-11	3.32E-09	4.73E-10	1.44E-09	1.46E-11	1.93E-09
2686	470244.87	3817737.91	5.58E-09	2.16E-08	2.87E-10	2.75E-08	4.65E-09	1.59E-08	2.06E-10	2.07E-08	5.27E-10	2.78E-09	4.89E-11	3.36E-09	4.79E-10	1.46E-09	1.48E-11	1.95E-09
2687	470235.31	3817737.77	5.65E-09	2.19E-08	2.90E-10	2.78E-08	4.70E-09	1.61E-08	2.08E-10	2.10E-08	5.33E-10	2.82E-09	4.95E-11	3.40E-09	4.85E-10	1.48E-09	1.50E-11	1.98E-09
2688	470225.75	3817737.64	5.71E-09	2.22E-08	2.94E-10	2.82E-08	4.76E-09	1.63E-08	2.11E-10	2.12E-08	5.39E-10	2.85E-09	5.01E-11	3.44E-09	4.90E-10	1.49E-09	1.51E-11	2.00E-09
2689	470216.18	3817737.5	5.78E-09	2.24E-08	2.97E-10	2.85E-08	4.81E-09	1.65E-08	2.13E-10	2.15E-08	5.46E-10	2.88E-09	5.06E-11	3.48E-09	4.96E-10	1.51E-09	1.53E-11	2.02E-09
2690	470206.62	3817737.37	5.84E-09	2.26E-08	3.00E-10	2.88E-08	4.86E-09	1.66E-08	2.15E-10	2.17E-08	5.51E-10	2.91E-09	5.11E-11	3.52E-09	5.01E-10	1.53E-09	1.55E-11	2.04E-09
2691	470197.06	3817737.23	5.89E-09	2.28E-08	3.03E-10	2.90E-08	4.91E-09	1.68E-08	2.17E-10	2.19E-08	5.56E-10	2.94E-09	5.16E-11	3.55E-09	5.06E-10	1.54E-09	1.56E-11	2.06E-09
2692	470187.5	3817737.1	5.94E-09	2.30E-08	3.05E-10	2.93E-08	4.95E-09	1.69E-08	2.19E-10	2.21E-08	5.61E-10	2.97E-09	5.21E-11	3.58E-09	5.10E-10	1.55E-09	1.58E-11	2.08E-09
2693	470177.94	3817736.96	5.98E-09	2.32E-08	3.08E-10	2.95E-08	4.99E-09	1.71E-08	2.21E-10	2.23E-08	5.65E-10	2.99E-09	5.24E-11	3.61E-09	5.14E-10	1.56E-09	1.59E-11	2.09E-09
2694	470168.37	3817736.83	6.02E-09	2.34E-08	3.10E-10	2.97E-08	5.02E-09	1.72E-08	2.22E-10	2.24E-08	5.69E-10	3.01E-09	5.28E-11	3.63E-09	5.17E-10	1.58E-09	1.60E-11	2.11E-09
2695	470158.81	3817736.69	6.06E-09	2.35E-08	3.11E-10	2.99E-08	5.05E-09	1.73E-08	2.24E-10	2.25E-08	5.72E-10	3.03E-09	5.31E-11	3.65E-09	5.20E-10	1.58E-09	1.61E-11	2.12E-09
2696	470095.19	3819211.76	6.41E-07	2.49E-06	3.29E-08	3.16E-06	5.34E-07	1.83E-06	2.37E-08	2.39E-06	6.06E-08	3.20E-07	5.62E-09	3.86E-07	5.51E-08	1.68E-07	1.70E-09	2.24E-07
2697	470088.24	3819204.57	5.38E-07	2.09E-06	2.76E-08	2.65E-06	4.48E-07	1.53E-06	1.98E-08	2.00E-06	5.08E-08	2.68E-07	4.71E-09	3.24E-07	4.62E-08	1.41E-07	1.43E-09	1.88E-07
2698	470070.39	3819208.92	4.19E-07	1.63E-06	2.15E-08	2.07E-06	3.49E-07	1.19E-06	1.55E-08	1.56E-06	3.96E-08	2.09E-07	3.67E-09	2.53E-07	3.60E-08	1.10E-07	1.11E-09	1.47E-07
2699	470083.07	3819196.68	4.68E-07	1.82E-06	2.41E-08	2.31E-06	3.90E-07	1.33E-06	1.73E-08	1.74E-06	4.42E-08	2.34E-07	4.10E-09	2.82E-07	4.02E-08	1.22E-07	1.24E-09	1.64E-07
2700	470091.93	3819193.17	5.16E-07	2.00E-06	2.65E-08	2.54E-06	4.30E-07	1.47E-06	1.90E-08	1.92E-06	4.87E-08	2.58E-07	4.52E-09	3.11E-07	4.43E-08	1.35E-07	1.37E-09	1.81E-07
2701	470100.79	3819189.66	5.62E-07	2.18E-06	2.89E-08	2.77E-06	4.68E-07	1.60E-06	2.07E-08	2.09E-06	5.31E-08	2.81E-07	4.93E-09	3.39E-07	4.83E-08	1.47E-07	1.49E-09	1.97E-07
2702	470059.94	3819209.77	3.60E-07	1.40E-06	1.85E-08	1.78E-06	3.00E-07	1.03E-06	1.33E-08	1.34E-06	3.40E-08	1.80E-07	3.16E-09	2.17E-07	3.09E-08	9.42E-08	9.55E-10	1.26E-07
2703	470063.6	3819201.38	3.65E-07	1.42E-06	1.88E-08	1.80E-06	3.04E-07	1.04E-06	1.35E-08	1.36E-06	3.45E-08	1.82E-07	3.20E-09	2.20E-07	3.14E-08	9.55E-08	9.68E-10	1.28E-07
2704	470075.76	3819189.63	4.03E-07	1.56E-06	2.07E-08	1.99E-06	3.36E-07	1.15E-06	1.49E-08	1.50E-06	3.81E-08	2.01E-07	3.54E-09	2.43E-07	3.46E-08	1.05E-07	1.07E-09	1.41E-07
2705	470084.27	3819186.26	4.40E-07	1.71E-06	2.26E-08	2.17E-06	3.67E-07	1.25E-06	1.62E-08	1.64E-06	4.16E-08	2.20E-07	3.86E-09	2.65E-07	3.78E-08	1.15E-07	1.17E-09	1.54E-07
2706	470092.78	3819182.89	4.77E-07	1.85E-06	2.45E-08	2.35E-06	3.97E-07	1.36E-06	1.76E-08	1.77E-06	4.50E-08	2.38E-07	4.18E-09	2.87E-07	4.09E-08	1.25E-07	1.26E-09	1.67E-07
2707	470101.29	3819179.52	5.11E-07	1.98E-06	2.63E-08	2.52E-06	4.26E-07	1.46E-06	1.88E-08	1.90E-06	4.82E-08	2.55E-07	4.48E-09	3.08E-07	4.39E-08	1.34E-07	1.35E-09	1.79E-07
2708	470049.63	3819210.27	3.12E-07	1.21E-06	1.60E-08	1.54E-06	2.60E-07	8.89E-07	1.15E-08	1.16E-06	2.94E-08	1.56E-07	2.73E-09	1.88E-07	2.68E-08	8.15E-08	8.27E-10	1.09E-07
2709	470056.75	3819193.96	3.22E-07	1.25E-06	1.65E-08	1.59E-06	2.68E-07	9.16E-07	1.19E-08	1.20E-06	3.04E-08	1.61E-07	2.82E-09	1.94E-07	2.76E-08	8.41E-08	8.53E-10	1.13E-07
2710	470068.58	3819182.53	3.52E-07	1.37E-06	1.81E-08	1.74E-06	2.93E-07	1.00E-06	1.30E-08	1.31E-06	3.33E-08	1.76E-07	3.09E-09	2.12E-07	3.02E-08	9.21E-08	9.34E-10	1.23E-07
2711	470085.12	3819175.98	4.11E-07	1.59E-06	2.11E-08	2.03E-06	3.42E-07	1.17E-06	1.52E-08	1.53E-06	3.88E-08	2.05E-07	3.60E-09	2.48E-07	3.53E-08	1.07E-07	1.09E-09	1.44E-07
2712	470039.42	3819210.57	2.72E-07	1.05E-06	1.40E-08	1.34E-06	2.26E-07	7.74E-07	1.00E-08	1.01E-06	2.57E-08	1.36E-07	2.38E-09	1.64E-07	2.33E-08	7.10E-08	7.20E-10	9.51E-08
2713	470046.39	3819194.59	2.82E-07	1.09E-06	1.45E-08	1.39E-06	2.35E-07	8.04E-07	1.04E-08	1.05E-06	2.67E-08	1.41E-07	2.47E-09	1.70E-07	2.42E-08	7.38E-08	7.48E-10	9.88E-08
2714	470061.46	3819175.4	3.11E-07	1.21E-06	1.60E-08	1.53E-06	2.59E-07	8.86E-07	1.15E-08	1.16E-06	2.93E-08	1.55E-07	2.72E-09	1.87E-07	2.67E-08	8.12E-08	8.24E-10	1.09E-07
2715	470077.67	3819168.99	3.59E-07	1.39E-06	1.84E-08	1.77E-06	2.99E-07	1.02E-06	1.32E-08	1.33E-06	3.39E-08	1.79E-07	3.14E-09	2.16E-07	3.08E-08	9.38E-08	9.51E-10	1.26E-07
2716	470093.87	3819162.57	4.04E-07	1.57E-06	2.08E-08	1.99E-06	3.37E-07	1.15E-06	1.49E-08	1.50E-06	3.82E-08	2.02E-07	3.54E-09	2.44E-07	3.47E-08	1.06E-07	1.07E-09	1.41E-07
2717	470029.26	3819210.75	2.38E-07	9.24E-07	1.22E-08	1.17E-06	1.99E-07	6.79E-07	8.79E-09	8.87E-07	2.25E-08	1.19E-07	2.09E-09	1.44E-07	2.05E-08	6.23E-08	6.32E-10	8.34E-08
2718	470036.12	3819195.02	2.49E-07	9.65E-07	1.28E-08	1.23E-06	2.07E-07	7.09E-07	9.17E-09	9.25E-07	2.35E-08	1.24E-07	2.18E-09	1.50E-07	2.14E-08	6.50E-08	6.59E-10	8.70E-08
2719	470042.98	3819179.29	2.55E-07	9.91E-07	1.31E-08	1.26E-06	2.13E-07	7.28E-07	9.42E-09	9.50E-07	2.41E-08	1.28E-07	2.24E-09	1.54E-07	2.19E-08	6.68E-08	6.77E-10	8.94E-08
2720	470054.38	3819168.26	2.77E-07	1.07E-06	1.42E-08	1.36E-06	2.30E-07	7.88E-07	1.02E-08	1.03E-06	2.61E-08	1.38E-07	2.42E-09	1.67E-07	2.37E-08	7.23E-08	7.33E-10	9.68E-08
2721	470070.34	3819161.95	3.16E-07	1.23E-06	1.63E-08	1.56E-06	2.64E-07	9.02E-07	1.17E-08	1.18E-06	2.99E-08	1.58E-07	2.77E-09	1.91E-07	2.72E-08	8.27E-08	8.39E-10	1.11E-07
2722	470086.29	3819155.63	3.55E-07	1.38E-06	1.82E-08	1.75E-06	2.96E-07	1.01E-06	1.31E-08	1.32E-06	3.35E-08	1.77E-07	3.11E-09	2.14E-07	3.05E-08	9.28E-08	9.41E-10	1.24E-07
2723	470020.4	3819207.92	2.12E-07	8.23E-07	1.09E-08	1.05E-06	1.77E-07	6.05E-07	7.83E-09	7.89E-07	2.00E-08	1.06E-07	1.86E-09	1.28E-07	1.82E-08	5.55E-08	5.62E-10	7.42E-08
2724	470024.21	3819199.19	2.18E-07	8.45E-07	1.12E-08	1.07E-06	1.81E-07	6.21E-07	8.03E-09	8.10E-07	2.06E-08	1.09E-07	1.91E-09	1.31E-07	1.87E-08	5.69E-08	5.77E-10	7.62E-08
2725	470028.02	3819190.45	2.23E-07	8.64E-07	1.14E-08	1.10E-06	1.86E-07	6.35E-07	8.22E-09	8.29E-07	2.10E-08	1.11E-07	1.95E-09	1.34E-07	1.91E-08	5.82E-08	5.91E-10	7.80E-08
2726	470031.83	3819181.71	2.27E-07	8.80E-07	1.17E-08	1.12E-06	1.89E-07	6.46E-07	8.37E-09	8.44E-07	2.14E-08	1.13E-07	1.99E-09	1.37E-07	1.95E-08	5.93E-08	6.01E-10	7.94E-08
2727	470035.65	3819172.97	2.30E-07	8.91E-07	1.18E-08	1.13E-06	1.91E-07	6.55E-07	8.47E-09	8.55E-07	2.17E-08	1.15E-07	2.01E-09	1.38E-07	1.97E-08	6.01E-08	6.09E-10	8.04E-08
2728	470048.32	3819160.72	2.50E-07	9.68E-07	1.28E-08	1.23E-06	2.08E-07	7.11E-07	9.20E-09	9.28E-07	2.36E-08	1.25E-07	2.19E-09	1.50E-07	2.14E-08	6.52E-08	6.62E-10	8.73E-08
2729	470057.18	3819157.21	2.68E-07	1.04E-06	1.38E-08	1.32E-06	2.24E-07	7.65E-07	9.90E-09	9.98E-07	2.53E-08	1.34E-07	2.35E-09	1.62E-07	2.30E-08	7.02E-08	7.11E-10	9.39E-08
2730	470066.05	3819153.7	2.87E-07	1.11E-06	1.48E-08	1.42E-06	2.39E-07	8.19E-07	1.06E-08	1.07E-06	2.71E-08	1.44E-07	2.52E-09	1.73E-07	2.47E-08	7.51E-08	7.62E-10	1.01E-07
2731	470074.91	3819150.19	3.06E-07	1.19E-06	1.57E-08	1.51E-06	2.55E-07	8.73E-07	1.13E-08	1.14E-06	2.89E-08	1.53E-07	2.68E-09	1.85E-07	2.63E-08	8.01E-08	8.12E-10	1.07E-07
2732	470083.77	3819146.68	3.24E-07	1.26E-06	1.67E-08	1.60E-06	2.70E-07	9.24E-07	1.20E-08	1.21E-06	3.06E-08	1.62E-07	2.84E-09	1.95E-07	2.78E-08	8.47E-08	8.59E-10	1.13E-07
2733	470092.64	3819143.17	3.40E-07	1.32E-06	1.75E-08	1.68E-06	2.83E-07	9.70E-07	1.26E-08	1.27E-06	3.21E-08	1.70E-07	2.98E-09	2.05E-07	2.92E-08	8.90E-08	9.02E-10	1.19E-07
2734	470101.5	3819139.66	3.54E-07	1.37E-06	1.82E-08	1.75E-06	2.95E-07	1.01E-06	1.31E-08	1.32E-06	3.35E-08	1.77E-07	3.11E-09	2.13E-07	3.04E-08	9.26E-08	9.39E-10	1.24E-07
2735	469999.95	3819208.57	1.67E-07	6.49E-07	8.60E-09	8.25E-07	1.39E-07	4.77E-07	6.17E-09	6.23E-07	1.58E-08	8.36E-08	1.47E-09	1.01E-07	1.44E-08	4.38E-08	4.44E-10	5.86E-08
2736	470003.61	3819200.18	1.72E-07	6.68E-07	8.84E-09	8.49E-07	1.43E-07	4.91E-07	6.35E-09	6.40E-07	1.63E-08	8.59E-08	1.51E-09	1.04E-07	1.48E-08	4.50E-08	4.56E-10	6.02E-08
2737	470007.27	3819191.79	1.77E-07	6.85E-07	9.08E-09	8.71E-07	1.47E-07	5.03E-07	6.51E-09	6.57E-07	1.67E-08	8.82E-08	1.55E-09	1.06E-07	1.52E-08	4.62E-08	4.68E-10	6.18E-08
2738	470010.92	3819183.41	1.81E-07	7.01E-07	9.29E-09	8.91E-07	1.51E-07	5.15E-07	6.67E-09	6.72E-07	1.71E-08	9.02E-08	1.58E-09	1.09E-07	1.55E-08	4.73E-08	4.79E-10	6.33E-08
2739	470014.58	3819175.02	1.84E-07	7.15E-07	9.47E-09	9.09E-07	1.54E-07	5.25E-07	6.80E-09	6.86E-07	1.74E-08	9.20E-08	1.62E-09	1.11E-07	1.58E-08	4.82E-08	4.89E-10	6.45E-08
2740	470018.24	3819166.63	1.87E-07	7.26E-07	9.62E-09	9.23E-07	1.56E-07	5.34E-07	6.91E-09	6.96E-07	1.77E-08	9.35E-08	1.64E-09	1.13E-07	1.61E-08	4.89E-08	4.96E-10	6.55E-08
2741	470021.9	3819158.24	1.89E-07	7.33E-07	9.70E-09	9.31E-07	1.57E-07	5.38E-07	6.97E-09	7.03E-07	1.78E-08	9.43E-08	1.66E-09	1.14E-07	1.62E-08	4.94E-08	5.01E-10	6.61E-08
2742	470034.07	3819146.48	2.03E-07	7.87E-07	1.04E-08	1.00E-06	1.69E-07	5.78E-07	7.48E-09	7.54E-07	1.92E-08	1.01E-07	1.78E-09	1.22E-07	1.74E-08	5.30E-08	5.38E-10	7.10E-08
2743	470042.58	3819143.11	2.16E-07	8.38E-07	1.11E-08	1.07E-06	1.80E-07	6.16E-07	7.97E-09	8.04E-07	2.04E-08	1.08E-07	1.89E-09	1.30E-07	1.86E-08	5.65E-08	5.73E-10	7.56E-08
2744	470051.08	3819139.74	2.30E-07	8.91E-07	1.18E-08	1.13E-06	1.91E-07	6.54E-07	8.47E-09	8.54E-07	2.17E-08	1.15E-07	2.01E-09	1.38E-07	1.97E-08	6.00E-08	6.09E-10	8.04E-08
2745	470059.59	3819136.37	2.44E-07	9.44E-07	1.25E-08	1.20E-06	2.03E-07	6.94E-07	8.98E-09	9.06E-07	2.30E-08	1.22E-07	2.13E-09	1.47E-07	2.09E-08	6.37E-08	6.46E-10	8.52E-08
2746	470068.1	3819133	2.57E-07	9.97E-07	1.32E-08	1.27E-06	2.14E-07	7.33E-07	9.48E-09	9.56E-07	2.43E-08	1.28E-07	2.25E-09	1.55E-07	2.21E-08	6.72E-08	6.82E-10	9.00E-08
2747	470076.61	3819129.63	2.70E-07	1.05E-06	1.39E-08	1.33E-06	2.25E-07	7.69E-07	9.95E-09	1.00E-06	2.55E-08	1.35E-07	2.36E-09	1.63E-07	2.32E-08	7.06E-08	7.15E-10	9.44E-08
2748	470085.12	3819126.26	2.81E-07	1.09E-06	1.45E-08	1.39E-06	2.34E-07	8.02E-07	1.04E-08	1.05E-06	2.66E-08	1.40E-07	2.47E-09	1.70E-07	2.42E-08	7.36E-08	7.46E-10	9.85E-08
2749	470093.63	3819122.89	2.92E-07	1.13E-06	1.50E-08	1.44E-06	2.43E-07	8.31E-07	1.08E-08	1.09E-06	2.75E-08	1.46E-07	2.56E-09	1.76E-07	2.50E-08	7.63E-08	7.73E-10	1.02E-07
2750	470102.14	3819119.52	3.01E-07	1.17E-06	1.54E-08	1.48E-06	2.50E-07	8.57E-07	1.11E-08	1.12E-06	2.84E-08	1.50E-07	2.63E-09	1.81E-07	2.58E-08	7.86E-08	7.97E-10	1.05E-07
2751	469979.65	3819208.87	1.34E-07	5.21E-07	6.91E-09	6.63E-07	1.12E-07	3.83E-07	4.96E-09	5.00E-07	1.27E-08	6.71E-08	1.18E-09	8.10E-08	1.15E-08	3.51E-08	3.56E-10	4.70E-08
2752	469986.76	3819192.56	1.42E-07	5.51E-07	7.31E-09	7.01E-07	1.18E-07	4.05E-07	5.24E-09	5.29E-07	1.34E-08	7.10E-08	1.25E-09	8.57E-08	1.22E-08	3.72E-08	3.77E-10	4.98E-08
2753	469993.88	3819176.25	1.49E-07	5.79E-07	7.67E-09	7.36E-07	1.24E-07	4.26E-07	5.51E-09	5.55E-07	1.41E-08	7.46E-08	1.31E-09	9.00E-08	1.28E-08	3.90E-08	3.96E-10	5.23E-08
2754	470000.99	3819159.94	1.55E-07	6.00E-07	7.95E-09	7.63E-07	1.29E-07	4.41E-07	5.71E-09	5.76E-07	1.46E-08	7.73E-08	1.36E-09	9.32E-08	1.33E-08	4.05E-08	4.10E-10	5.42E-08
2755	470008.1	3819143.63	1.58E-07	6.12E-07	8.11E-09	7.78E-07	1.31E-07	4.50E-07	5.82E-09	5.87E-07	1.49E-08	7.88E-08	1.38E-09	9.51E-08	1.35E-08	4.12E-08	4.18E-10	5.52E-08
2756	470019.93	3819132.19	1.69E-07	6.54E-07	8.66E-09	8.31E-07	1.40E-07	4.80E-07	6.21E-09	6.27E-07	1.59E-08	8.41E-08	1.48E-09	1.02E-07	1.45E-08	4.40E-08	4.47E-10	5.90E-08
2757	470036.48	3819125.64	1.89E-07	7.33E-07	9.70E-09	9.31E-07	1.57E-07	5.38E-07	6.97E-09	7.03E-07	1.78E-08	9.43E-08	1.66E-09	1.14E-07	1.62E-08	4.94E-08	5.01E-10	6.61E-08
2758	470053.02	3819119.09	2.09E-07	8.11E-07	1.07E-08	1.03E-06	1.74E-07	5.96E-07	7.71E-09	7.78E-07	1.97E-08	1.04E-07	1.83E-09	1.26E-07	1.80E-08	5.47E-08	5.54E-10	7.32E-08
2759	470069.56	3819112.54	2.28E-07	8.84E-07	1.17E-08	1.12E-06	1.90E-07	6.50E-07	8.41E-09	8.48E-07	2.15E-08	1.14E-07	2.00E-09	1.37E-07	1.96E-08	5.96E-08	6.05E-10	7.98E-08
2760	469960.24	3819207.13	1.10E-07	4.28E-07	5.67E-09	5.44E-07	9.20E-08	3.15E-07	4.07E-09	4.11E-07	1.04E-08	5.51E-08	9.68E-10	6.65E-08	9.48E-09	2.89E-08	2.93E-10	3.86E-08
2761	469963.99	3819198.52	1.14E-07	4.42E-07	5.85E-09	5.61E-07	9.48E-08	3.24E-07	4.20E-09	4.23E-07	1.08E-08	5.68E-08	9.98E-10	6.86E-08	9.77E-09	2.98E-08	3.02E-10	3.98E-08
2762	469967.74	3819189.92	1.17E-07	4.55E-07	6.03E-09	5.78E-07	9.77E-08	3.34E-07	4.33E-09	4.36E-07	1.11E-08	5.86E-08	1.03E-09	7.07E-08	1.01E-08	3.07E-08	3.11E-10	4.10E-08
2763	469971.5	3819181.31	1.21E-07	4.68E-07	6.20E-09	5.95E-07	1.01E-07	3.44E-07	4.45E-09	4.49E-07	1.14E-08	6.02E-08	1.06E-09	7.27E-08	1.04E-08	3.15E-08	3.20E-10	4.22E-08
2764	469975.25	3819172.71	1.24E-07	4.80E-07	6.37E-09	6.11E-07	1.03E-07	3.53E-07	4.57E-09	4.61E-07	1.17E-08	6.19E-08	1.09E-09	7.46E-08	1.06E-08	3.24E-08	3.28E-10	4.33E-08
2765	469979	3819164.11	1.27E-07	4.92E-07	6.52E-09	6.25E-07	1.06E-07	3.61E-07	4.68E-09	4.72E-07	1.20E-08	6.33E-08	1.11E-09	7.64E-08	1.09E-08	3.32E-08	3.36E-10	4.44E-08
2766	469982.75	3819155.5	1.29E-07	5.01E-07	6.64E-09	6.37E-07	1.08E-07	3.68E-07	4.76E-09	4.81E-07	1.22E-08	6.45E-08	1.13E-09	7.78E-08	1.11E-08	3.38E-08	3.42E-10	4.52E-08
2767	469986.5	3819146.9	1.31E-07	5.09E-07	6.74E-09	6.47E-07	1.09E-07	3.74E-07	4.84E-09	4.88E-07	1.24E-08	6.55E-08	1.15E-09	7.90E-08	1.13E-08	3.43E-08	3.48E-10	4.59E-08
2768	469990.26	3819138.3	1.33E-07	5.14E-07	6.82E-09	6.54E-07	1.10E-07	3.78E-07	4.89E-09	4.93E-07	1.25E-08	6.62E-08	1.16E-09	7.99E-08	1.14E-08	3.47E-08	3.52E-10	4.64E-08
2769	469994.01	3819129.69	1.34E-07	5.20E-07	6.89E-09	6.61E-07	1.12E-07	3.82E-07	4.94E-09	4.99E-07	1.27E-08	6.69E-08	1.17E-09	8.07E-08	1.15E-08	3.50E-08	3.55E-10	4.69E-08
2770	470006.49	3819117.63	1.43E-07	5.56E-07	7.36E-09	7.06E-07	1.19E-07	4.08E-07	5.29E-09	5.33E-07	1.35E-08	7.15E-08	1.26E-09	8.63E-08	1.23E-08	3.75E-08	3.80E-10	5.01E-08
2771	470015.21	3819114.18	1.52E-07	5.89E-07	7.80E-09	7.48E-07	1.26E-07	4.32E-07	5.60E-09	5.64E-07	1.43E-08	7.58E-08	1.33E-09	9.14E-08	1.30E-08	3.97E-08	4.02E-10	5.31E-08
2772	470058.85	3819096.89	1.93E-07	7.48E-07	9.90E-09	9.50E-07	1.61E-07	5.49E-07	7.11E-09	7.17E-07	1.82E-08	9.62E-08	1.69E-09	1.16E-07	1.65E-08	5.04E-08	5.11E-10	6.74E-08
2773	470067.57	3819093.44	2.00E-07	7.75E-07	1.03E-08	9.86E-07	1.67E-07	5.70E-07	7.37E-09	7.44E-07	1.89E-08	9.98E-08	1.75E-09	1.20E-07	1.72E-08	5.23E-08	5.30E-10	7.00E-08
2774	470076.3	3819089.98	2.06E-07	8.01E-07	1.06E-08	1.02E-06	1.72E-07	5.88E-07	7.61E-09	7.68E-07	1.95E-08	1.03E-07	1.81E-09	1.24E-07	1.77E-08	5.40E-08	5.47E-10	7.22E-08
2775	470085.03	3819086.52	2.12E-07	8.23E-07	1.09E-08	1.05E-06	1.77E-07	6.05E-07	7.83E-09	7.90E-07	2.00E-08	1.06E-07	1.86E-09	1.28E-07	1.82E-08	5.55E-08	5.63E-10	7.43E-08
2776	470093.76	3819083.07	2.17E-07	8.43E-07	1.12E-08	1.07E-06	1.81E-07	6.19E-07	8.01E-09	8.08E-07	2.05E-08	1.08E-07	1.90E-09	1.31E-07	1.87E-08	5.68E-08	5.76E-10	7.60E-08
2777	470102.48	3819079.61	2.21E-07	8.58E-07	1.14E-08	1.09E-06	1.84E-07	6.30E-07	8.16E-09	8.23E-07	2.09E-08	1.10E-07	1.94E-09	1.33E-07	1.90E-08	5.78E-08	5.86E-10	7.74E-08
2778	469939.96	3819207.37	9.13E-08	3.54E-07	4.69E-09	4.50E-07	7.60E-08	2.60E-07	3.37E-09	3.40E-07	8.62E-09	4.56E-08	8.00E-10	5.50E-08	7.84E-09	2.39E-08	2.42E-10	3.19E-08
2779	469943.62	3819198.98	9.40E-08	3.65E-07	4.83E-09	4.64E-07	7.83E-08	2.68E-07	3.47E-09	3.50E-07	8.88E-09	4.69E-08	8.24E-10	5.66E-08	8.07E-09	2.46E-08	2.49E-10	3.29E-08
2780	469947.28	3819190.59	9.68E-08	3.76E-07	4.98E-09	4.77E-07	8.07E-08	2.76E-07	3.57E-09	3.60E-07	9.15E-09	4.84E-08	8.49E-10	5.83E-08	8.31E-09	2.53E-08	2.57E-10	3

2781	469950.94	3819182.2	9.97E-08	3.87E-07	5.12E-09	4.91E-07	8.30E-08	2.84E-07	3.68E-09	3.71E-07	9.41E-09	4.98E-08	8.73E-10	6.01E-08	8.56E-09	2.61E-08	2.64E-10	3.49E-08
2782	469954.59	3819173.82	1.02E-07	3.97E-07	5.26E-09	5.05E-07	8.53E-08	2.92E-07	3.78E-09	3.81E-07	9.68E-09	5.12E-08	8.98E-10	6.17E-08	8.80E-09	2.68E-08	2.72E-10	3.59E-08
2783	469958.25	3819165.43	1.05E-07	4.08E-07	5.40E-09	5.18E-07	8.76E-08	3.00E-07	3.88E-09	3.91E-07	9.93E-09	5.25E-08	9.21E-10	6.34E-08	9.03E-09	2.75E-08	2.79E-10	3.68E-08
2784	469961.91	3819157.04	1.08E-07	4.18E-07	5.53E-09	5.31E-07	8.97E-08	3.07E-07	3.97E-09	4.00E-07	1.02E-08	5.38E-08	9.43E-10	6.49E-08	9.24E-09	2.81E-08	2.85E-10	3.77E-08
2785	469965.57	3819148.65	1.10E-07	4.26E-07	5.65E-09	5.42E-07	9.15E-08	3.13E-07	4.05E-09	4.09E-07	1.04E-08	5.49E-08	9.63E-10	6.62E-08	9.43E-09	2.87E-08	2.91E-10	3.85E-08
2786	469969.23	3819140.26	1.12E-07	4.34E-07	5.75E-09	5.51E-07	9.31E-08	3.19E-07	4.12E-09	4.16E-07	1.06E-08	5.58E-08	9.80E-10	6.74E-08	9.60E-09	2.92E-08	2.96E-10	3.91E-08
2787	469972.89	3819131.87	1.13E-07	4.40E-07	5.83E-09	5.59E-07	9.44E-08	3.23E-07	4.18E-09	4.22E-07	1.07E-08	5.66E-08	9.93E-10	6.83E-08	9.73E-09	2.96E-08	3.01E-10	3.97E-08
2788	469976.54	3819123.48	1.15E-07	4.45E-07	5.89E-09	5.65E-07	9.55E-08	3.27E-07	4.23E-09	4.26E-07	1.08E-08	5.72E-08	1.00E-09	6.91E-08	9.84E-09	3.00E-08	3.04E-10	4.01E-08
2789	469980.2	3819115.1	1.16E-07	4.48E-07	5.94E-09	5.70E-07	9.63E-08	3.30E-07	4.26E-09	4.30E-07	1.09E-08	5.77E-08	1.01E-09	6.97E-08	9.93E-09	3.02E-08	3.07E-10	4.05E-08
2790	470009.39	3819096.6	1.36E-07	5.28E-07	6.99E-09	6.71E-07	1.13E-07	3.88E-07	5.02E-09	5.06E-07	1.29E-08	6.80E-08	1.19E-09	8.20E-08	1.17E-08	3.56E-08	3.61E-10	4.76E-08
2791	470017.9	3819093.23	1.43E-07	5.54E-07	7.34E-09	7.04E-07	1.19E-07	4.07E-07	5.27E-09	5.31E-07	1.35E-08	7.13E-08	1.25E-09	8.60E-08	1.23E-08	3.73E-08	3.78E-10	5.00E-08
2792	470026.4	3819089.86	1.49E-07	5.79E-07	7.67E-09	7.36E-07	1.24E-07	4.26E-07	5.51E-09	5.55E-07	1.41E-08	7.45E-08	1.31E-09	9.00E-08	1.28E-08	3.90E-08	3.96E-10	5.22E-08
2793	470034.91	3819086.49	1.56E-07	6.04E-07	8.00E-09	7.68E-07	1.30E-07	4.44E-07	5.74E-09	5.79E-07	1.47E-08	7.78E-08	1.36E-09	9.38E-08	1.34E-08	4.07E-08	4.13E-10	5.45E-08
2794	470043.42	3819083.12	1.62E-07	6.28E-07	8.32E-09	7.98E-07	1.35E-07	4.61E-07	5.97E-09	6.02E-07	1.53E-08	8.08E-08	1.42E-09	9.76E-08	1.39E-08	4.23E-08	4.29E-10	5.67E-08
2795	470051.93	3819079.75	1.68E-07	6.51E-07	8.62E-09	8.27E-07	1.40E-07	4.78E-07	6.19E-09	6.24E-07	1.58E-08	8.38E-08	1.47E-09	1.01E-07	1.44E-08	4.39E-08	4.45E-10	5.87E-08
2796	470060.44	3819076.38	1.73E-07	6.72E-07	8.91E-09	8.55E-07	1.44E-07	4.94E-07	6.39E-09	6.45E-07	1.64E-08	8.65E-08	1.52E-09	1.04E-07	1.49E-08	4.53E-08	4.60E-10	6.07E-08
2797	470068.95	3819073.01	1.78E-07	6.92E-07	9.17E-09	8.79E-07	1.49E-07	5.08E-07	6.58E-09	6.64E-07	1.68E-08	8.91E-08	1.56E-09	1.07E-07	1.53E-08	4.66E-08	4.73E-10	6.24E-08
2798	470077.46	3819069.64	1.83E-07	7.09E-07	9.40E-09	9.02E-07	1.52E-07	5.21E-07	6.75E-09	6.80E-07	1.73E-08	9.13E-08	1.60E-09	1.10E-07	1.57E-08	4.78E-08	4.85E-10	6.40E-08
2799	470085.97	3819066.27	1.87E-07	7.25E-07	9.60E-09	9.21E-07	1.56E-07	5.32E-07	6.89E-09	6.95E-07	1.76E-08	9.33E-08	1.64E-09	1.13E-07	1.60E-08	4.88E-08	4.95E-10	6.54E-08
2800	470094.47	3819062.9	1.90E-07	7.37E-07	9.77E-09	9.37E-07	1.58E-07	5.42E-07	7.01E-09	7.07E-07	1.79E-08	9.49E-08	1.67E-09	1.15E-07	1.63E-08	4.97E-08	5.04E-10	6.65E-08
2801	470102.98	3819059.53	1.93E-07	7.47E-07	9.89E-09	9.49E-07	1.60E-07	5.49E-07	7.10E-09	7.16E-07	1.82E-08	9.61E-08	1.69E-09	1.16E-07	1.65E-08	5.03E-08	5.10E-10	6.74E-08
2802	469920.42	3819205.92	7.67E-08	2.98E-07	3.94E-09	3.78E-07	6.39E-08	2.19E-07	2.83E-09	2.85E-07	7.24E-09	3.83E-08	6.72E-10	4.62E-08	6.59E-09	2.01E-08	2.03E-10	2.68E-08
2803	469924.23	3819197.18	7.92E-08	3.07E-07	4.07E-09	3.90E-07	6.60E-08	2.26E-07	2.92E-09	2.95E-07	7.48E-09	3.95E-08	6.94E-10	4.77E-08	6.80E-09	2.07E-08	2.10E-10	2.77E-08
2804	469928.04	3819188.45	8.16E-08	3.17E-07	4.19E-09	4.02E-07	6.80E-08	2.33E-07	3.01E-09	3.04E-07	7.71E-09	4.08E-08	7.15E-10	4.92E-08	7.01E-09	2.13E-08	2.16E-10	2.86E-08
2805	469931.85	3819179.71	8.42E-08	3.26E-07	4.32E-09	4.15E-07	7.01E-08	2.40E-07	3.10E-09	3.13E-07	7.95E-09	4.20E-08	7.37E-10	5.07E-08	7.22E-09	2.20E-08	2.23E-10	2.94E-08
2806	469935.67	3819170.97	8.67E-08	3.36E-07	4.45E-09	4.27E-07	7.22E-08	2.47E-07	3.20E-09	3.22E-07	8.18E-09	4.33E-08	7.59E-10	5.22E-08	7.44E-09	2.27E-08	2.30E-10	3.03E-08
2807	469939.48	3819162.23	8.91E-08	3.46E-07	4.58E-09	4.39E-07	7.42E-08	2.54E-07	3.29E-09	3.31E-07	8.42E-09	4.45E-08	7.81E-10	5.37E-08	7.65E-09	2.33E-08	2.36E-10	3.12E-08
2808	469943.29	3819153.49	9.15E-08	3.55E-07	4.70E-09	4.51E-07	7.62E-08	2.61E-07	3.37E-09	3.40E-07	8.64E-09	4.57E-08	8.02E-10	5.51E-08	7.85E-09	2.39E-08	2.42E-10	3.20E-08
2809	469947.1	3819144.75	9.37E-08	3.63E-07	4.81E-09	4.62E-07	7.80E-08	2.67E-07	3.46E-09	3.48E-07	8.85E-09	4.68E-08	8.21E-10	5.64E-08	8.04E-09	2.45E-08	2.48E-10	3.28E-08
2810	469950.91	3819136.02	9.57E-08	3.71E-07	4.92E-09	4.72E-07	7.97E-08	2.73E-07	3.53E-09	3.56E-07	9.04E-09	4.78E-08	8.39E-10	5.77E-08	8.22E-09	2.50E-08	2.54E-10	3.35E-08
2811	469954.72	3819127.28	9.73E-08	3.77E-07	5.00E-09	4.80E-07	8.10E-08	2.77E-07	3.59E-09	3.62E-07	9.19E-09	4.86E-08	8.52E-10	5.86E-08	8.35E-09	2.54E-08	2.58E-10	3.40E-08
2812	469958.53	3819118.54	9.86E-08	3.82E-07	5.07E-09	4.86E-07	8.21E-08	2.81E-07	3.64E-09	3.67E-07	9.31E-09	4.92E-08	8.64E-10	5.94E-08	8.46E-09	2.58E-08	2.61E-10	3.45E-08
2813	469978.83	3819088.82	1.07E-07	4.14E-07	5.49E-09	5.27E-07	8.90E-08	3.05E-07	3.94E-09	3.97E-07	1.01E-08	5.34E-08	9.36E-10	6.44E-08	9.17E-09	2.79E-08	2.83E-10	3.74E-08
2814	469987.69	3819085.3	1.12E-07	4.36E-07	5.78E-09	5.54E-07	9.37E-08	3.21E-07	4.15E-09	4.18E-07	1.06E-08	5.62E-08	9.86E-10	6.78E-08	9.66E-09	2.94E-08	2.98E-10	3.94E-08
2815	469996.55	3819081.79	1.18E-07	4.58E-07	6.07E-09	5.82E-07	9.84E-08	3.37E-07	4.36E-09	4.39E-07	1.12E-08	5.90E-08	1.04E-09	7.12E-08	1.01E-08	3.09E-08	3.13E-10	4.13E-08
2816	470005.42	3819078.28	1.24E-07	4.80E-07	6.36E-09	6.10E-07	1.03E-07	3.53E-07	4.56E-09	4.60E-07	1.17E-08	6.18E-08	1.08E-09	7.46E-08	1.06E-08	3.24E-08	3.28E-10	4.33E-08
2817	470014.28	3819074.77	1.29E-07	5.02E-07	6.65E-09	6.38E-07	1.08E-07	3.69E-07	4.77E-09	4.81E-07	1.22E-08	6.46E-08	1.13E-09	7.79E-08	1.11E-08	3.38E-08	3.43E-10	4.53E-08
2818	470023.14	3819071.26	1.35E-07	5.23E-07	6.93E-09	6.65E-07	1.12E-07	3.84E-07	4.97E-09	5.01E-07	1.27E-08	6.73E-08	1.18E-09	8.12E-08	1.16E-08	3.52E-08	3.57E-10	4.72E-08
2819	470032.01	3819067.75	1.40E-07	5.43E-07	7.20E-09	6.91E-07	1.17E-07	3.99E-07	5.17E-09	5.21E-07	1.32E-08	6.99E-08	1.23E-09	8.44E-08	1.20E-08	3.66E-08	3.71E-10	4.90E-08
2820	470040.87	3819064.24	1.45E-07	5.63E-07	7.46E-09	7.15E-07	1.21E-07	4.14E-07	5.35E-09	5.40E-07	1.37E-08	7.25E-08	1.27E-09	8.74E-08	1.25E-08	3.79E-08	3.85E-10	5.08E-08
2821	470049.73	3819060.73	1.50E-07	5.81E-07	7.70E-09	7.39E-07	1.25E-07	4.27E-07	5.53E-09	5.58E-07	1.42E-08	7.48E-08	1.31E-09	9.03E-08	1.29E-08	3.92E-08	3.97E-10	5.24E-08
2822	470058.59	3819057.22	1.54E-07	5.98E-07	7.93E-09	7.61E-07	1.29E-07	4.40E-07	5.69E-09	5.74E-07	1.46E-08	7.70E-08	1.35E-09	9.29E-08	1.32E-08	4.03E-08	4.09E-10	5.40E-08
2823	470067.46	3819053.71	1.58E-07	6.14E-07	8.13E-09	7.80E-07	1.32E-07	4.51E-07	5.84E-09	5.89E-07	1.49E-08	7.90E-08	1.39E-09	9.54E-08	1.36E-08	4.14E-08	4.20E-10	5.54E-08
2824	470076.32	3819050.2	1.62E-07	6.27E-07	8.31E-09	7.98E-07	1.35E-07	4.61E-07	5.97E-09	6.02E-07	1.53E-08	8.08E-08	1.42E-09	9.75E-08	1.39E-08	4.23E-08	4.29E-10	5.66E-08
2825	470085.18	3819046.69	1.65E-07	6.39E-07	8.46E-09	8.12E-07	1.37E-07	4.70E-07	6.08E-09	6.13E-07	1.56E-08	8.23E-08	1.44E-09	9.93E-08	1.41E-08	4.31E-08	4.37E-10	5.76E-08
2826	470094.05	3819043.18	1.67E-07	6.48E-07	8.59E-09	8.24E-07	1.39E-07	4.76E-07	6.16E-09	6.22E-07	1.58E-08	8.34E-08	1.46E-09	1.01E-07	1.43E-08	4.37E-08	4.43E-10	5.85E-08
2827	470102.91	3819039.67	1.69E-07	6.55E-07	8.68E-09	8.33E-07	1.41E-07	4.81E-07	6.23E-09	6.28E-07	1.59E-08	8.43E-08	1.48E-09	1.02E-07	1.45E-08	4.42E-08	4.48E-10	5.91E-08
2828	469900.17	3819206.1	6.47E-08	2.51E-07	3.33E-09	3.19E-07	5.39E-08	1.84E-07	2.39E-09	2.41E-07	6.11E-09	3.23E-08	5.67E-10	3.90E-08	5.56E-09	1.69E-08	1.72E-10	2.27E-08
2829	469903.9	3819197.56	6.69E-08	2.59E-07	3.44E-09	3.30E-07	5.57E-08	1.91E-07	2.47E-09	2.49E-07	6.31E-09	3.34E-08	5.86E-10	4.03E-08	5.74E-09	1.75E-08	1.77E-10	2.34E-08
2830	469907.62	3819189.02	6.88E-08	2.67E-07	3.53E-09	3.39E-07	5.73E-08	1.96E-07	2.54E-09	2.56E-07	6.49E-09	3.43E-08	6.02E-10	4.14E-08	5.90E-09	1.80E-08	1.82E-10	2.41E-08
2831	469911.35	3819180.47	7.07E-08	2.74E-07	3.63E-09	3.49E-07	5.89E-08	2.01E-07	2.61E-09	2.63E-07	6.68E-09	3.53E-08	6.20E-10	4.26E-08	6.07E-09	1.85E-08	1.87E-10	2.47E-08
2832	469915.08	3819171.93	7.27E-08	2.82E-07	3.74E-09	3.59E-07	6.06E-08	2.07E-07	2.68E-09	2.71E-07	6.87E-09	3.63E-08	6.37E-10	4.38E-08	6.24E-09	1.90E-08	1.93E-10	2.55E-08
2833	469918.8	3819163.38	7.49E-08	2.90E-07	3.85E-09	3.69E-07	6.24E-08	2.13E-07	2.76E-09	2.78E-07	7.07E-09	3.74E-08	6.56E-10	4.51E-08	6.43E-09	1.96E-08	1.98E-10	2.62E-08
2834	469922.53	3819154.84	7.70E-08	2.99E-07	3.96E-09	3.80E-07	6.42E-08	2.20E-07	2.84E-09	2.86E-07	7.27E-09	3.85E-08	6.75E-10	4.64E-08	6.61E-09	2.01E-08	2.04E-10	2.70E-08
2835	469926.26	3819146.3	7.91E-08	3.07E-07	4.07E-09	3.90E-07	6.59E-08	2.26E-07	2.92E-09	2.94E-07	7.47E-09	3.95E-08	6.93E-10	4.77E-08	6.79E-09	2.07E-08	2.10E-10	2.77E-08
2836	469929.98	3819137.75	8.11E-08	3.15E-07	4.17E-09	4.00E-07	6.76E-08	2.31E-07	2.99E-09	3.02E-07	7.66E-09	4.05E-08	7.11E-10	4.89E-08	6.96E-09	2.12E-08	2.15E-10	2.84E-08
2837	469933.71	3819129.21	8.27E-08	3.21E-07	4.25E-09	4.08E-07	6.89E-08	2.36E-07	3.05E-09	3.08E-07	7.81E-09	4.13E-08	7.25E-10	4.98E-08	7.10E-09	2.16E-08	2.19E-10	2.89E-08
2838	469937.43	3819120.66	8.41E-08	3.26E-07	4.32E-09	4.15E-07	7.01E-08	2.40E-07	3.10E-09	3.13E-07	7.95E-09	4.20E-08	7.37E-10	5.07E-08	7.22E-09	2.20E-08	2.23E-10	2.94E-08
2839	469941.16	3819112.12	8.54E-08	3.31E-07	4.39E-09	4.21E-07	7.11E-08	2.43E-07	3.15E-09	3.18E-07	8.06E-09	4.26E-08	7.48E-10	5.15E-08	7.33E-09	2.23E-08	2.26E-10	2.99E-08
2840	469948.61	3819095.03	8.76E-08	3.40E-07	4.50E-09	4.32E-07	7.29E-08	2.50E-07	3.23E-09	3.26E-07	8.27E-09	4.37E-08	7.67E-10	5.28E-08	7.52E-09	2.29E-08	2.32E-10	3.06E-08
2841	469952.34	3819086.49	8.84E-08	3.43E-07	4.54E-09	4.36E-07	7.36E-08	2.52E-07	3.26E-09	3.29E-07	8.35E-09	4.41E-08	7.75E-10	5.33E-08	7.59E-09	2.31E-08	2.34E-10	3.09E-08
2842	469964.73	3819074.51	9.35E-08	3.63E-07	4.80E-09	4.61E-07	7.79E-08	2.66E-07	3.45E-09	3.48E-07	8.83E-09	4.67E-08	8.19E-10	5.63E-08	8.03E-09	2.44E-08	2.48E-10	3.27E-08
2843	469973.4	3819071.08	9.80E-08	3.80E-07	5.04E-09	4.83E-07	8.17E-08	2.79E-07	3.62E-09	3.65E-07	9.26E-09	4.89E-08	8.59E-10	5.91E-08	8.42E-09	2.56E-08	2.60E-10	3.43E-08
2844	469982.06	3819067.65	1.03E-07	3.98E-07	5.27E-09	5.06E-07	8.55E-08	2.92E-07	3.78E-09	3.82E-07	9.69E-09	5.12E-08	8.99E-10	6.18E-08	8.81E-09	2.68E-08	2.72E-10	3.59E-08
2845	469990.73	3819064.21	1.07E-07	4.16E-07	5.51E-09	5.28E-07	8.93E-08	3.05E-07	3.95E-09	3.99E-07	1.01E-08	5.35E-08	9.39E-10	6.46E-08	9.20E-09	2.80E-08	2.84E-10	3.75E-08
2846	469999.4	3819060.78	1.12E-07	4.33E-07	5.74E-09	5.51E-07	9.30E-08	3.18E-07	4.12E-09	4.15E-07	1.05E-08	5.58E-08	9.79E-10	6.73E-08	9.59E-09	2.92E-08	2.96E-10	3.91E-08
2847	470008.06	3819057.35	1.16E-07	4.50E-07	5.97E-09	5.73E-07	9.67E-08	3.31E-07	4.28E-09	4.32E-07	1.10E-08	5.80E-08	1.02E-09	7.00E-08	9.97E-09	3.04E-08	3.08E-10	4.06E-08
2848	470016.73	3819053.92	1.20E-07	4.67E-07	6.19E-09	5.94E-07	1.00E-07	3.43E-07	4.44E-09	4.48E-07	1.14E-08	6.02E-08	1.06E-09	7.26E-08	1.03E-08	3.15E-08	3.19E-10	4.22E-08
2849	470025.39	3819050.49	1.25E-07	4.84E-07	6.41E-09	6.15E-07	1.04E-07	3.55E-07	4.60E-09	4.64E-07	1.18E-08	6.22E-08	1.09E-09	7.51E-08	1.07E-08	3.26E-08	3.30E-10	4.36E-08
2850	470034.06	3819047.05	1.29E-07	4.99E-07	6.61E-09	6.34E-07	1.07E-07	3.67E-07	4.75E-09	4.79E-07	1.21E-08	6.42E-08	1.13E-09	7.75E-08	1.10E-08	3.36E-08	3.41E-10	4.50E-08
2851	470042.73	3819043.62	1.32E-07	5.14E-07	6.80E-09	6.53E-07	1.10E-07	3.77E-07	4.88E-09	4.93E-07	1.25E-08	6.61E-08	1.16E-09	7.98E-08	1.14E-08	3.46E-08	3.51E-10	4.63E-08
2852	470051.39	3819040.19	1.36E-07	5.27E-07	6.98E-09	6.70E-07	1.13E-07	3.87E-07	5.01E-09	5.06E-07	1.28E-08	6.79E-08	1.19E-09	8.19E-08	1.17E-08	3.55E-08	3.60E-10	4.76E-08
2853	470060.06	3819036.76	1.39E-07	5.40E-07	7.15E-09	6.86E-07	1.16E-07	3.97E-07	5.13E-09	5.18E-07	1.31E-08	6.95E-08	1.22E-09	8.38E-08	1.19E-08	3.64E-08	3.69E-10	4.87E-08
2854	470068.72	3819033.32	1.42E-07	5.51E-07	7.30E-09	7.00E-07	1.18E-07	4.05E-07	5.24E-09	5.28E-07	1.34E-08	7.09E-08	1.24E-09	8.55E-08	1.22E-08	3.71E-08	3.76E-10	4.97E-08
2855	470077.39	3819029.89	1.44E-07	5.60E-07	7.42E-09	7.12E-07	1.20E-07	4.12E-07	5.33E-09	5.37E-07	1.36E-08	7.21E-08	1.27E-09	8.70E-08	1.24E-08	3.78E-08	3.83E-10	5.05E-08
2856	470086.06	3819026.46	1.47E-07	5.68E-07	7.53E-09	7.22E-07	1.22E-07	4.18E-07	5.40E-09	5.45E-07	1.38E-08	7.31E-08	1.28E-09	8.83E-08	1.26E-08	3.83E-08	3.88E-10	5.13E-08
2857	470094.72	3819023.03	1.48E-07	5.74E-07	7.61E-09	7.30E-07	1.23E-07	4.22E-07	5.46E-09	5.51E-07	1.40E-08	7.39E-08	1.30E-09	8.92E-08	1.27E-08	3.87E-08	3.93E-10	5.18E-08
2858	470103.39	3819019.59	1.49E-07	5.79E-07	7.67E-09	7.36E-07	1.24E-07	4.25E-07	5.50E-09	5.55E-07	1.41E-08	7.45E-08	1.31E-09	8.99E-08	1.28E-08	3.90E-08	3.96E-10	5.22E-08
2859	469880.55	3819204.85	5.53E-08	2.15E-07	2.84E-09	2.73E-07	4.61E-08	1.58E-07	2.04E-09	2.06E-07	5.22E-09	2.76E-08	4.85E-10	3.33E-08	4.75E-09	1.45E-08	1.47E-10	1.94E-08
2860	469884.4	3819196.01	5.71E-08	2.21E-07	2.93E-09	2.81E-07	4.76E-08	1.63E-07	2.11E-09	2.12E-07	5.39E-09	2.85E-08	5.00E-10	3.44E-08	4.90E-09	1.49E-08	1.51E-10	2.00E-08
2861	469888.25	3819187.18	5.88E-08	2.28E-07	3.02E-09	2.90E-07	4.90E-08	1.68E-07	2.17E-09	2.19E-07	5.55E-09	2.94E-08	5.15E-10	3.54E-08	5.05E-09	1.54E-08	1.56E-10	2.06E-08
2862	469892.1	3819178.35	6.05E-08	2.35E-07	3.11E-09	2.98E-07	5.04E-08	1.72E-07	2.23E-09	2.25E-07	5.71E-09	3.02E-08	5.30E-10	3.65E-08	5.19E-09	1.58E-08	1.60E-10	2.12E-08
2863	469895.95	3819169.52	6.22E-08	2.41E-07	3.20E-09	3.07E-07	5.18E-08	1.77E-07	2.30E-09	2.31E-07	5.88E-09	3.11E-08	5.45E-10	3.75E-08	5.34E-09	1.63E-08	1.65E-10	2.18E-08
2864	469899.81	3819160.69	6.40E-08	2.48E-07	3.29E-09	3.16E-07	5.33E-08	1.83E-07	2.36E-09	2.38E-07	6.05E-09	3.20E-08	5.61E-10	3.86E-08	5.50E-09	1.67E-08	1.70E-10	2.24E-08
2865	469903.66	3819151.86	6.60E-08	2.56E-07	3.39E-09	3.25E-07	5.50E-08	1.88E-07	2.43E-09	2.45E-07	6.23E-09	3.30E-08	5.78E-10	3.98E-08	5.67E-09	1.73E-08	1.75E-10	2.31E-08
2866	469907.51	3819143.03	6.79E-08	2.63E-07	3.49E-09	3.35E-07	5.66E-08	1.94E-07	2.50E-09	2.53E-07	6.41E-09	3.39E-08	5.95E-10	4.09E-08	5.83E-09	1.78E-08	1.80E-10	2.38E-08
2867	469911.36	3819134.2	6.97E-08	2.70E-07	3.58E-09	3.44E-07	5.81E-08	1.99E-07	2.57E-09	2.59E-07	6.59E-09	3.48E-08	6.11E-10	4.20E-08	5.99E-09	1.82E-08	1.85E-10	2.44E-08
2868	469915.21	3819125.37	7.14E-08	2.77E-07	3.67E-09	3.52E-07	5.95E-08	2.03E-07	2.63E-09	2.66E-07	6.74E-09	3.57E-08	6.26E-10	4.30E-08	6.13E-09	1.87E-08	1.89E-10	2.50E-08
2869	469919.06	3819116.54	7.29E-08	2.83E-07	3.75E-09	3.59E-07	6.07E-08	2.08E-07	2.69E-09	2.71E-07	6.88E-09	3.64E-08	6.39E-10	4.39E-08	6.26E-09	1.91E-08	1.93E-10	2.55E-08
2870	469930.61	3819090.05	7.66E-08	2.97E-07	3.94E-09	3.78E-07	6.38E-08	2.18E-07	2.83E-09	2.85E-07	7.23E-09	3.82E-08	6.71E-10	4.61E-08	6.58E-09	2.00E-08	2.03E-10	2.68E-08
2871	469934.46	3819081.22	7.75E-08	3.01E-07	3.98E-09	3.82E-07	6.46E-08	2.21E-07	2.86E-09	2.88E-07	7.32E-09	3.87E-08	6.79E-10	4.67E-08	6.66E-09	2.03E-08	2.06E-10	2.71E-08
2872	469938.31	3819072.39	7.83E-08	3.04E-07	4.02E-09	3.86E-07	6.52E-08	2.23E-07	2.89E-09	2.91E-07	7.39E-09	3.91E-08	6.86E-10	4.71E-08	6.72E-09	2.05E-08	2.07E-10	2.74E-08
2873	469951.12	3819060.02	8.27E-08	3.21E-07	4.25E-09	4.08E-07	6.89E-08	2.36E-07	3.05E-09	3.08E-07	7.81E-09	4.13E-08	7.25E-10	4.98E-08	7.10E-09	2.16E-08	2.19E-10	2.89E-08
2874	469960.08	3819056.47	8.66E-08	3.36E-07	4.45E-09	4.27E-07	7.22E-08	2.47E-07	3.19E-09	3.22E-07	8.18E-09	4.32E-08	7.59E-10	5.22E-08	7.44E-09	2.26E-08	2.30E-10	3.03E-08
2875	469969.03	3819052.92	9.06E-08	3.51E-07	4.65E-09	4.46E-07	7.54E-08	2.58E-07	3.34E-09	3.37E-07	8.55E-09	4.52E-08	7.94E-10	5.46E-08	7.77E-09	2.37E-08	2.40E-10	3.17E-08
2876	469977.99	3819049.37	9.45E-08	3.67E-07	4.86E-09	4.66E-07	7.87E-08	2.69E-07	3.49E-09	3.52E-07	8.92E-09	4.72E-08	8.28E-10	5.69E-08	8.11E-09	2.47E-08	2.51E-10

2877	469986.95	3819045.83	9.84E-08	3.82E-07	5.06E-09	4.85E-07	8.20E-08	2.80E-07	3.63E-09	3.66E-07	9.29E-09	4.91E-08	8.62E-10	5.93E-08	8.45E-09	2.57E-08	2.61E-10	3.44E-08
2878	469995.9	3819042.28	1.02E-07	3.96E-07	5.25E-09	5.04E-07	8.51E-08	2.91E-07	3.77E-09	3.80E-07	9.65E-09	5.10E-08	8.96E-10	6.16E-08	8.77E-09	2.67E-08	2.71E-10	3.58E-08
2879	470004.86	3819038.73	1.06E-07	4.11E-07	5.44E-09	5.22E-07	8.82E-08	3.02E-07	3.91E-09	3.94E-07	1.00E-08	5.29E-08	9.28E-10	6.38E-08	9.09E-09	2.77E-08	2.81E-10	3.71E-08
2880	470013.82	3819035.18	1.10E-07	4.25E-07	5.63E-09	5.40E-07	9.13E-08	3.12E-07	4.04E-09	4.08E-07	1.03E-08	5.47E-08	9.60E-10	6.60E-08	9.41E-09	2.87E-08	2.91E-10	3.84E-08
2881	470022.77	3819031.64	1.13E-07	4.39E-07	5.81E-09	5.58E-07	9.42E-08	3.22E-07	4.17E-09	4.21E-07	1.07E-08	5.65E-08	9.91E-10	6.82E-08	9.71E-09	2.96E-08	3.00E-10	3.96E-08
2882	470031.73	3819028.09	1.16E-07	4.52E-07	5.98E-09	5.74E-07	9.70E-08	3.32E-07	4.29E-09	4.33E-07	1.10E-08	5.81E-08	1.02E-09	7.01E-08	1.00E-08	3.04E-08	3.09E-10	4.07E-08
2883	470040.69	3819024.54	1.20E-07	4.64E-07	6.14E-09	5.89E-07	9.96E-08	3.41E-07	4.41E-09	4.45E-07	1.13E-08	5.97E-08	1.05E-09	7.20E-08	1.03E-08	3.12E-08	3.17E-10	4.18E-08
2884	470049.64	3819021	1.22E-07	4.75E-07	6.29E-09	6.03E-07	1.02E-07	3.49E-07	4.51E-09	4.55E-07	1.16E-08	6.11E-08	1.07E-09	7.37E-08	1.05E-08	3.20E-08	3.24E-10	4.28E-08
2885	470058.6	3819017.45	1.25E-07	4.85E-07	6.42E-09	6.16E-07	1.04E-07	3.56E-07	4.61E-09	4.65E-07	1.18E-08	6.24E-08	1.09E-09	7.53E-08	1.07E-08	3.27E-08	3.31E-10	4.37E-08
2886	470067.56	3819013.9	1.27E-07	4.93E-07	6.54E-09	6.27E-07	1.06E-07	3.62E-07	4.69E-09	4.73E-07	1.20E-08	6.35E-08	1.11E-09	7.66E-08	1.09E-08	3.33E-08	3.37E-10	4.45E-08
2887	470076.51	3819010.35	1.29E-07	5.01E-07	6.63E-09	6.37E-07	1.08E-07	3.68E-07	4.76E-09	4.80E-07	1.22E-08	6.45E-08	1.13E-09	7.78E-08	1.11E-08	3.38E-08	3.42E-10	4.52E-08
2888	470085.47	3819006.81	1.31E-07	5.07E-07	6.71E-09	6.44E-07	1.09E-07	3.72E-07	4.82E-09	4.86E-07	1.23E-08	6.52E-08	1.15E-09	7.87E-08	1.12E-08	3.42E-08	3.46E-10	4.57E-08
2889	470094.43	3819003.26	1.32E-07	5.11E-07	6.77E-09	6.50E-07	1.10E-07	3.76E-07	4.86E-09	4.90E-07	1.25E-08	6.58E-08	1.16E-09	7.94E-08	1.13E-08	3.45E-08	3.50E-10	4.61E-08
2890	470103.38	3818999.71	1.33E-07	5.14E-07	6.81E-09	6.54E-07	1.10E-07	3.78E-07	4.89E-09	4.93E-07	1.25E-08	6.62E-08	1.16E-09	7.99E-08	1.14E-08	3.47E-08	3.52E-10	4.64E-08
2891	469860.33	3819204.97	4.76E-08	1.85E-07	2.45E-09	2.35E-07	3.96E-08	1.36E-07	1.76E-09	1.77E-07	4.49E-09	2.38E-08	4.17E-10	2.87E-08	4.09E-09	1.24E-08	1.26E-10	1.67E-08
2892	469864.1	3819196.32	4.89E-08	1.90E-07	2.51E-09	2.41E-07	4.07E-08	1.39E-07	1.80E-09	1.82E-07	4.62E-09	2.44E-08	4.29E-10	2.95E-08	4.20E-09	1.28E-08	1.30E-10	1.71E-08
2893	469867.87	3819187.66	5.03E-08	1.95E-07	2.58E-09	2.48E-07	4.19E-08	1.43E-07	1.86E-09	1.87E-07	4.75E-09	2.51E-08	4.41E-10	3.03E-08	4.32E-09	1.32E-08	1.33E-10	1.76E-08
2894	469871.65	3819179.01	5.18E-08	2.01E-07	2.66E-09	2.55E-07	4.31E-08	1.48E-07	1.91E-09	1.93E-07	4.89E-09	2.59E-08	4.54E-10	3.12E-08	4.45E-09	1.35E-08	1.37E-10	1.81E-08
2895	469875.42	3819170.35	5.33E-08	2.07E-07	2.74E-09	2.63E-07	4.44E-08	1.52E-07	1.97E-09	1.98E-07	5.04E-09	2.66E-08	4.67E-10	3.21E-08	4.58E-09	1.39E-08	1.41E-10	1.87E-08
2896	469879.2	3819161.7	5.49E-08	2.13E-07	2.82E-09	2.71E-07	4.57E-08	1.56E-07	2.02E-09	2.04E-07	5.18E-09	2.74E-08	4.81E-10	3.31E-08	4.71E-09	1.43E-08	1.46E-10	1.92E-08
2897	469882.97	3819153.04	5.65E-08	2.19E-07	2.90E-09	2.78E-07	4.70E-08	1.61E-07	2.08E-09	2.10E-07	5.33E-09	2.82E-08	4.95E-10	3.40E-08	4.85E-09	1.48E-08	1.50E-10	1.98E-08
2898	469886.75	3819144.39	5.81E-08	2.25E-07	2.98E-09	2.86E-07	4.84E-08	1.65E-07	2.14E-09	2.16E-07	5.48E-09	2.90E-08	5.09E-10	3.50E-08	4.98E-09	1.52E-08	1.54E-10	2.03E-08
2899	469890.52	3819135.73	5.96E-08	2.31E-07	3.06E-09	2.94E-07	4.97E-08	1.70E-07	2.20E-09	2.22E-07	5.63E-09	2.98E-08	5.23E-10	3.59E-08	5.12E-09	1.56E-08	1.58E-10	2.09E-08
2900	469894.3	3819127.08	6.12E-08	2.37E-07	3.14E-09	3.02E-07	5.09E-08	1.74E-07	2.26E-09	2.28E-07	5.78E-09	3.05E-08	5.36E-10	3.68E-08	5.25E-09	1.60E-08	1.62E-10	2.14E-08
2901	469898.07	3819118.42	6.26E-08	2.43E-07	3.22E-09	3.09E-07	5.22E-08	1.78E-07	2.31E-09	2.33E-07	5.91E-09	3.13E-08	5.49E-10	3.77E-08	5.38E-09	1.64E-08	1.66E-10	2.19E-08
2902	469901.85	3819109.77	6.40E-08	2.48E-07	3.29E-09	3.16E-07	5.33E-08	1.82E-07	2.36E-09	2.38E-07	6.05E-09	3.20E-08	5.61E-10	3.86E-08	5.50E-09	1.67E-08	1.70E-10	2.24E-08
2903	469909.39	3819092.46	6.65E-08	2.58E-07	3.41E-09	3.28E-07	5.54E-08	1.89E-07	2.45E-09	2.47E-07	6.28E-09	3.32E-08	5.82E-10	4.00E-08	5.71E-09	1.74E-08	1.76E-10	2.33E-08
2904	469913.17	3819083.8	6.75E-08	2.62E-07	3.47E-09	3.33E-07	5.62E-08	1.92E-07	2.49E-09	2.51E-07	6.37E-09	3.37E-08	5.92E-10	4.07E-08	5.80E-09	1.76E-08	1.79E-10	2.36E-08
2905	469916.94	3819075.15	6.84E-08	2.65E-07	3.52E-09	3.37E-07	5.70E-08	1.95E-07	2.52E-09	2.54E-07	6.46E-09	3.42E-08	6.00E-10	4.12E-08	5.87E-09	1.79E-08	1.81E-10	2.39E-08
2906	469920.72	3819066.49	6.92E-08	2.68E-07	3.55E-09	3.41E-07	5.76E-08	1.97E-07	2.55E-09	2.57E-07	6.53E-09	3.45E-08	6.06E-10	4.17E-08	5.94E-09	1.81E-08	1.83E-10	2.42E-08
2907	469924.49	3819057.84	6.98E-08	2.71E-07	3.59E-09	3.44E-07	5.81E-08	1.99E-07	2.57E-09	2.60E-07	6.59E-09	3.48E-08	6.12E-10	4.20E-08	5.99E-09	1.82E-08	1.85E-10	2.44E-08
2908	469937.05	3819045.7	7.35E-08	2.85E-07	3.77E-09	3.62E-07	6.12E-08	2.09E-07	2.71E-09	2.73E-07	6.94E-09	3.67E-08	6.44E-10	4.43E-08	6.31E-09	1.92E-08	1.95E-10	2.57E-08
2909	469945.82	3819042.23	7.67E-08	2.98E-07	3.94E-09	3.78E-07	6.39E-08	2.19E-07	2.83E-09	2.85E-07	7.25E-09	3.83E-08	6.72E-10	4.62E-08	6.59E-09	2.01E-08	2.03E-10	2.68E-08
2910	469954.6	3819038.75	8.00E-08	3.10E-07	4.11E-09	3.94E-07	6.66E-08	2.28E-07	2.95E-09	2.98E-07	7.55E-09	3.99E-08	7.01E-10	4.82E-08	6.87E-09	2.09E-08	2.12E-10	2.80E-08
2911	469963.38	3819035.27	8.32E-08	3.23E-07	4.28E-09	4.10E-07	6.93E-08	2.37E-07	3.07E-09	3.10E-07	7.86E-09	4.16E-08	7.30E-10	5.02E-08	7.15E-09	2.18E-08	2.21E-10	2.91E-08
2912	469972.16	3819031.8	8.64E-08	3.35E-07	4.44E-09	4.26E-07	7.20E-08	2.46E-07	3.19E-09	3.21E-07	8.16E-09	4.31E-08	7.57E-10	5.21E-08	7.42E-09	2.26E-08	2.29E-10	3.02E-08
2913	469980.94	3819028.32	8.95E-08	3.47E-07	4.60E-09	4.41E-07	7.45E-08	2.55E-07	3.30E-09	3.33E-07	8.45E-09	4.47E-08	7.84E-10	5.39E-08	7.68E-09	2.34E-08	2.37E-10	3.13E-08
2914	469989.72	3819024.84	9.25E-08	3.59E-07	4.75E-09	4.56E-07	7.70E-08	2.64E-07	3.41E-09	3.44E-07	8.73E-09	4.62E-08	8.10E-10	5.57E-08	7.94E-09	2.42E-08	2.45E-10	3.24E-08
2915	469998.5	3819021.37	9.56E-08	3.71E-07	4.91E-09	4.71E-07	7.96E-08	2.72E-07	3.52E-09	3.56E-07	9.03E-09	4.77E-08	8.38E-10	5.76E-08	8.20E-09	2.50E-08	2.53E-10	3.34E-08
2916	470007.28	3819017.89	9.86E-08	3.83E-07	5.07E-09	4.86E-07	8.22E-08	2.81E-07	3.64E-09	3.67E-07	9.31E-09	4.92E-08	8.64E-10	5.94E-08	8.47E-09	2.58E-08	2.61E-10	3.45E-08
2917	470016.05	3819014.41	1.02E-07	3.94E-07	5.22E-09	5.01E-07	8.46E-08	2.90E-07	3.75E-09	3.78E-07	9.59E-09	5.07E-08	8.90E-10	6.12E-08	8.72E-09	2.66E-08	2.69E-10	3.55E-08
2918	470024.83	3819010.94	1.04E-07	4.05E-07	5.36E-09	5.14E-07	8.69E-08	2.97E-07	3.85E-09	3.88E-07	9.85E-09	5.21E-08	9.14E-10	6.29E-08	8.96E-09	2.73E-08	2.77E-10	3.65E-08
2919	470033.61	3819007.46	1.07E-07	4.14E-07	5.49E-09	5.27E-07	8.90E-08	3.05E-07	3.94E-09	3.98E-07	1.01E-08	5.34E-08	9.36E-10	6.44E-08	9.17E-09	2.79E-08	2.83E-10	3.74E-08
2920	470042.39	3819003.98	1.09E-07	4.24E-07	5.61E-09	5.38E-07	9.10E-08	3.11E-07	4.03E-09	4.06E-07	1.03E-08	5.45E-08	9.57E-10	6.58E-08	9.37E-09	2.85E-08	2.89E-10	3.82E-08
2921	470051.17	3819000.5	1.11E-07	4.32E-07	5.72E-09	5.49E-07	9.27E-08	3.17E-07	4.11E-09	4.14E-07	1.05E-08	5.56E-08	9.75E-10	6.71E-08	9.56E-09	2.91E-08	2.95E-10	3.90E-08
2922	470059.95	3818997.03	1.13E-07	4.39E-07	5.82E-09	5.58E-07	9.43E-08	3.23E-07	4.18E-09	4.21E-07	1.07E-08	5.65E-08	9.92E-10	6.82E-08	9.72E-09	2.96E-08	3.00E-10	3.96E-08
2923	469840.14	3819205	4.14E-08	1.61E-07	2.13E-09	2.04E-07	3.45E-08	1.18E-07	1.53E-09	1.54E-07	3.91E-09	2.07E-08	3.63E-10	2.50E-08	3.56E-09	1.08E-08	1.10E-10	1.45E-08
2924	469843.85	3819196.49	4.25E-08	1.65E-07	2.18E-09	2.09E-07	3.54E-08	1.21E-07	1.57E-09	1.58E-07	4.01E-09	2.12E-08	3.72E-10	2.56E-08	3.65E-09	1.11E-08	1.13E-10	1.49E-08
2925	469847.56	3819187.98	4.36E-08	1.69E-07	2.24E-09	2.15E-07	3.63E-08	1.24E-07	1.61E-09	1.62E-07	4.12E-09	2.18E-08	3.82E-10	2.63E-08	3.75E-09	1.14E-08	1.16E-10	1.53E-08
2926	469851.27	3819179.47	4.48E-08	1.74E-07	2.30E-09	2.21E-07	3.73E-08	1.28E-07	1.65E-09	1.67E-07	4.23E-09	2.24E-08	3.93E-10	2.70E-08	3.85E-09	1.17E-08	1.19E-10	1.57E-08
2927	469854.99	3819170.96	4.61E-08	1.79E-07	2.37E-09	2.27E-07	3.84E-08	1.31E-07	1.70E-09	1.71E-07	4.35E-09	2.30E-08	4.04E-10	2.78E-08	3.96E-09	1.21E-08	1.22E-10	1.61E-08
2928	469858.7	3819162.45	4.74E-08	1.84E-07	2.44E-09	2.34E-07	3.95E-08	1.35E-07	1.75E-09	1.76E-07	4.48E-09	2.37E-08	4.16E-10	2.86E-08	4.07E-09	1.24E-08	1.26E-10	1.66E-08
2929	469862.41	3819153.94	4.88E-08	1.89E-07	2.51E-09	2.40E-07	4.06E-08	1.39E-07	1.80E-09	1.81E-07	4.60E-09	2.43E-08	4.27E-10	2.94E-08	4.19E-09	1.27E-08	1.29E-10	1.71E-08
2930	469866.12	3819145.43	5.01E-08	1.94E-07	2.58E-09	2.47E-07	4.18E-08	1.43E-07	1.85E-09	1.86E-07	4.73E-09	2.50E-08	4.39E-10	3.02E-08	4.30E-09	1.31E-08	1.33E-10	1.75E-08
2931	469869.83	3819136.92	5.15E-08	2.00E-07	2.65E-09	2.54E-07	4.29E-08	1.47E-07	1.90E-09	1.92E-07	4.86E-09	2.57E-08	4.51E-10	3.10E-08	4.42E-09	1.35E-08	1.36E-10	1.80E-08
2932	469873.54	3819128.41	5.28E-08	2.05E-07	2.71E-09	2.60E-07	4.40E-08	1.51E-07	1.95E-09	1.97E-07	4.99E-09	2.64E-08	4.63E-10	3.18E-08	4.54E-09	1.38E-08	1.40E-10	1.85E-08
2933	469877.25	3819119.9	5.42E-08	2.10E-07	2.78E-09	2.67E-07	4.51E-08	1.54E-07	2.00E-09	2.01E-07	5.11E-09	2.70E-08	4.75E-10	3.26E-08	4.65E-09	1.42E-08	1.44E-10	1.90E-08
2934	469880.97	3819111.39	5.54E-08	2.15E-07	2.85E-09	2.73E-07	4.62E-08	1.58E-07	2.04E-09	2.06E-07	5.24E-09	2.77E-08	4.86E-10	3.34E-08	4.76E-09	1.45E-08	1.47E-10	1.94E-08
2935	469888.39	3819094.37	5.78E-08	2.24E-07	2.97E-09	2.85E-07	4.82E-08	1.65E-07	2.13E-09	2.15E-07	5.46E-09	2.89E-08	5.07E-10	3.48E-08	4.96E-09	1.51E-08	1.53E-10	2.02E-08
2936	469892.1	3819085.86	5.89E-08	2.28E-07	3.02E-09	2.90E-07	4.90E-08	1.68E-07	2.17E-09	2.19E-07	5.56E-09	2.94E-08	5.16E-10	3.55E-08	5.05E-09	1.54E-08	1.56E-10	2.06E-08
2937	469895.81	3819077.35	5.98E-08	2.32E-07	3.07E-09	2.95E-07	4.98E-08	1.71E-07	2.21E-09	2.23E-07	5.65E-09	2.99E-08	5.24E-10	3.61E-08	5.14E-09	1.56E-08	1.59E-10	2.09E-08
2938	469899.52	3819068.84	6.07E-08	2.35E-07	3.12E-09	2.99E-07	5.06E-08	1.73E-07	2.24E-09	2.26E-07	5.73E-09	3.03E-08	5.32E-10	3.66E-08	5.21E-09	1.59E-08	1.61E-10	2.12E-08
2939	469903.23	3819060.33	6.15E-08	2.38E-07	3.16E-09	3.03E-07	5.12E-08	1.75E-07	2.27E-09	2.29E-07	5.80E-09	3.07E-08	5.39E-10	3.70E-08	5.28E-09	1.61E-08	1.63E-10	2.15E-08
2940	469906.95	3819051.82	6.21E-08	2.41E-07	3.19E-09	3.06E-07	5.17E-08	1.77E-07	2.29E-09	2.31E-07	5.86E-09	3.10E-08	5.44E-10	3.74E-08	5.33E-09	1.62E-08	1.65E-10	2.17E-08
2941	469910.66	3819043.31	6.26E-08	2.43E-07	3.22E-09	3.09E-07	5.21E-08	1.78E-07	2.31E-09	2.33E-07	5.91E-09	3.13E-08	5.49E-10	3.77E-08	5.37E-09	1.64E-08	1.66E-10	2.19E-08
2942	469923	3819031.38	6.57E-08	2.55E-07	3.38E-09	3.24E-07	5.47E-08	1.87E-07	2.42E-09	2.44E-07	6.20E-09	3.28E-08	5.76E-10	3.96E-08	5.64E-09	1.72E-08	1.74E-10	2.30E-08
2943	469931.63	3819027.96	6.84E-08	2.65E-07	3.52E-09	3.37E-07	5.70E-08	1.95E-07	2.52E-09	2.55E-07	6.46E-09	3.42E-08	6.00E-10	4.12E-08	5.88E-09	1.79E-08	1.81E-10	2.39E-08
2944	469940.26	3819024.54	7.12E-08	2.76E-07	3.66E-09	3.51E-07	5.93E-08	2.03E-07	2.63E-09	2.65E-07	6.72E-09	3.55E-08	6.24E-10	4.29E-08	6.11E-09	1.86E-08	1.89E-10	2.49E-08
2945	469948.9	3819021.12	7.39E-08	2.87E-07	3.80E-09	3.64E-07	6.16E-08	2.11E-07	2.73E-09	2.75E-07	6.98E-09	3.69E-08	6.48E-10	4.45E-08	6.35E-09	1.93E-08	1.96E-10	2.59E-08
2946	469957.53	3819017.71	7.67E-08	2.97E-07	3.94E-09	3.78E-07	6.38E-08	2.18E-07	2.83E-09	2.85E-07	7.24E-09	3.83E-08	6.72E-10	4.62E-08	6.58E-09	2.00E-08	2.03E-10	2.68E-08
2947	469966.16	3819014.29	7.92E-08	3.07E-07	4.07E-09	3.91E-07	6.60E-08	2.26E-07	2.92E-09	2.95E-07	7.48E-09	3.96E-08	6.94E-10	4.77E-08	6.80E-09	2.07E-08	2.10E-10	2.77E-08
2948	469974.79	3819010.87	8.17E-08	3.17E-07	4.20E-09	4.03E-07	6.81E-08	2.33E-07	3.01E-09	3.04E-07	7.72E-09	4.08E-08	7.16E-10	4.92E-08	7.02E-09	2.14E-08	2.17E-10	2.86E-08
2949	469983.42	3819007.45	8.42E-08	3.26E-07	4.32E-09	4.15E-07	7.01E-08	2.40E-07	3.10E-09	3.13E-07	7.95E-09	4.20E-08	7.38E-10	5.07E-08	7.23E-09	2.20E-08	2.23E-10	2.95E-08
2950	469992.06	3819004.03	8.66E-08	3.36E-07	4.45E-09	4.27E-07	7.22E-08	2.47E-07	3.20E-09	3.22E-07	8.18E-09	4.33E-08	7.59E-10	5.22E-08	7.44E-09	2.26E-08	2.30E-10	3.03E-08
2951	470000.69	3819000.61	8.92E-08	3.46E-07	4.58E-09	4.40E-07	7.43E-08	2.54E-07	3.29E-09	3.32E-07	8.42E-09	4.45E-08	7.82E-10	5.37E-08	7.66E-09	2.33E-08	2.36E-10	3.12E-08
2952	470009.32	3818997.19	9.16E-08	3.55E-07	4.71E-09	4.52E-07	7.63E-08	2.61E-07	3.38E-09	3.41E-07	8.65E-09	4.58E-08	8.03E-10	5.52E-08	7.87E-09	2.40E-08	2.43E-10	3.21E-08
2953	470061.11	3818976.68	1.03E-07	3.99E-07	5.28E-09	5.07E-07	8.57E-08	2.93E-07	3.79E-09	3.82E-07	9.71E-09	5.13E-08	9.01E-10	6.19E-08	8.83E-09	2.69E-08	2.73E-10	3.60E-08
2954	470069.74	3818973.26	1.04E-07	4.03E-07	5.35E-09	5.13E-07	8.67E-08	2.96E-07	3.84E-09	3.87E-07	9.82E-09	5.19E-08	9.12E-10	6.27E-08	8.93E-09	2.72E-08	2.76E-10	3.64E-08
2955	470078.37	3818969.84	1.05E-07	4.07E-07	5.40E-09	5.18E-07	8.75E-08	2.99E-07	3.87E-09	3.91E-07	9.92E-09	5.24E-08	9.20E-10	6.33E-08	9.02E-09	2.75E-08	2.78E-10	3.67E-08
2956	470087.01	3818966.42	1.06E-07	4.11E-07	5.44E-09	5.22E-07	8.82E-08	3.02E-07	3.90E-09	3.94E-07	1.00E-08	5.29E-08	9.28E-10	6.38E-08	9.09E-09	2.77E-08	2.81E-10	3.70E-08
2957	470095.64	3818963.01	1.07E-07	4.13E-07	5.47E-09	5.25E-07	8.87E-08	3.04E-07	3.93E-09	3.96E-07	1.01E-08	5.32E-08	9.33E-10	6.42E-08	9.14E-09	2.78E-08	2.82E-10	3.73E-08
2958	470104.27	3818959.59	1.07E-07	4.15E-07	5.49E-09	5.27E-07	8.91E-08	3.05E-07	3.94E-09	3.98E-07	1.01E-08	5.34E-08	9.37E-10	6.44E-08	9.18E-09	2.80E-08	2.83E-10	3.74E-08
2959	469820.44	3819203.92	3.65E-08	1.41E-07	1.87E-09	1.80E-07	3.04E-08	1.04E-07	1.34E-09	1.36E-07	3.44E-09	1.82E-08	3.19E-10	2.20E-08	3.13E-09	9.53E-09	9.67E-11	1.28E-08
2960	469843.31	3819151.49	4.28E-08	1.66E-07	2.20E-09	2.11E-07	3.57E-08	1.22E-07	1.58E-09	1.59E-07	4.05E-09	2.14E-08	3.75E-10	2.58E-08	3.68E-09	1.12E-08	1.14E-10	1.50E-08
2961	469847.12	3819142.75	4.41E-08	1.71E-07	2.26E-09	2.17E-07	3.67E-08	1.26E-07	1.63E-09	1.64E-07	4.16E-09	2.20E-08	3.86E-10	2.65E-08	3.78E-09	1.15E-08	1.17E-10	1.54E-08
2962	469850.93	3819134.01	4.53E-08	1.76E-07	2.33E-09	2.23E-07	3.77E-08	1.29E-07	1.67E-09	1.68E-07	4.28E-09	2.26E-08	3.97E-10	2.73E-08	3.89E-09	1.18E-08	1.20E-10	1.58E-08
2963	469854.74	3819125.28	4.65E-08	1.80E-07	2.39E-09	2.29E-07	3.87E-08	1.33E-07	1.72E-09	1.73E-07	4.39E-09	2.32E-08	4.08E-10	2.80E-08	3.99E-09	1.22E-08	1.23E-10	1.63E-08
2964	469858.55	3819116.54	4.77E-08	1.85E-07	2.45E-09	2.35E-07	3.98E-08	1.36E-07	1.76E-09	1.78E-07	4.51E-09	2.38E-08	4.18E-10	2.88E-08	4.10E-09	1.25E-08	1.27E-10	1.67E-08
2965	469869.98	3819090.32	5.11E-08	1.98E-07	2.63E-09	2.52E-07	4.26E-08	1.46E-07	1.89E-09	1.90E-07	4.83E-09	2.55E-08	4.48E-10	3.08E-08	4.39E-09	1.34E-08	1.36E-10	1.79E-08
2966	469873.79	3819081.59	5.22E-08	2.02E-07	2.68E-09	2.57E-07	4.34E-08	1.49E-07	1.92E-09	1.94E-07	4.93E-09	2.60E-08	4.57E-10	3.14E-08	4.48E-09	1.36E-08	1.38E-10	1.83E-08
2967	469877.6	3819072.85	5.31E-08	2.06E-07	2.73E-09	2.62E-07	4.42E-08	1.51E-07	1.96E-09	1.98E-07	5.02E-09	2.65E-08	4.65E-10	3.20E-08	4.56E-09	1.39E-08	1.41E-10	1.86E-08
2968	469881.42	3819064.11	5.40E-08	2.09E-07	2.77E-09	2.66E-07	4.50E-08	1.54E-07	1.99E-09	2.01E-07	5.10E-09	2.69E-08	4.73E-10	3.25E-08	4.63E-09	1.41E-08	1.43E-10	1.89E-08
2969	469885.23	3819055.37	5.47E-08	2.12E-07	2.81E-09	2.70E-07	4.56E-08	1.56E-07	2.02E-09	2.04E-07	5.17E-09	2.73E-08	4.80E-10	3.30E-08	4.70E-09	1.43E-08	1.45E-10	1.92E-08
2970	469889.04	3819046.63	5.54E-08	2.15E-07	2.85E-09	2.73E-07	4.62E-08	1.58E-07	2.04E-09	2.06E-07	5.23E-09	2.77E-08	4.86E-10	3.34E-08	4.76E-09	1.45E-08	1.47E-10	1.94E-08
2971	469892.85	3819037.89	5.60E-08	2.17E-07	2.88E-09	2.76E-07	4.66E-08	1.60E-07	2.07E-09	2.08E-07	5.29E-09	2.80E-08	4.91E-10	3.37E-08	4.81E-09	1.46E-08	1.48E-10	1.96E-08
2972	469896.66	3819029.16	5.65E-08	2.19E-07	2.90E-09	2.78E-07	4.70E-08	1.61E-07	2.08E-09	2.10E-07	5.33E-09	2.82E-08	4.95E-10	3.40E-08	4.85E-09	1.48E-08	1.50E-10	1.98E-08

2973	469909.33	3819016.91	5.92E-08	2.30E-07	3.04E-09	2.92E-07	4.93E-08	1.69E-07	2.18E-09	2.20E-07	5.59E-09	2.96E-08	5.19E-10	3.57E-08	5.08E-09	1.55E-08	1.57E-10	2.07E-08
2974	469918.2	3819013.4	6.16E-08	2.39E-07	3.17E-09	3.04E-07	5.13E-08	1.76E-07	2.27E-09	2.29E-07	5.82E-09	3.08E-08	5.40E-10	3.71E-08	5.29E-09	1.61E-08	1.63E-10	2.16E-08
2975	469927.06	3819009.89	6.40E-08	2.48E-07	3.29E-09	3.15E-07	5.33E-08	1.82E-07	2.36E-09	2.38E-07	6.04E-09	3.19E-08	5.61E-10	3.85E-08	5.49E-09	1.67E-08	1.70E-10	2.24E-08
2976	469935.92	3819006.38	6.63E-08	2.57E-07	3.41E-09	3.27E-07	5.53E-08	1.89E-07	2.45E-09	2.47E-07	6.26E-09	3.31E-08	5.81E-10	4.00E-08	5.70E-09	1.73E-08	1.76E-10	2.32E-08
2977	469944.79	3819002.87	6.87E-08	2.66E-07	3.53E-09	3.39E-07	5.72E-08	1.96E-07	2.53E-09	2.56E-07	6.49E-09	3.43E-08	6.02E-10	4.14E-08	5.90E-09	1.80E-08	1.82E-10	2.40E-08
2978	469953.65	3818999.36	7.10E-08	2.75E-07	3.65E-09	3.50E-07	5.92E-08	2.02E-07	2.62E-09	2.64E-07	6.71E-09	3.55E-08	6.22E-10	4.28E-08	6.10E-09	1.86E-08	1.88E-10	2.49E-08
2979	469962.51	3818995.85	7.33E-08	2.84E-07	3.77E-09	3.61E-07	6.10E-08	2.09E-07	2.70E-09	2.73E-07	6.92E-09	3.66E-08	6.42E-10	4.42E-08	6.29E-09	1.92E-08	1.94E-10	2.56E-08
2980	470006.83	3818978.29	8.40E-08	3.26E-07	4.32E-09	4.14E-07	7.00E-08	2.40E-07	3.10E-09	3.13E-07	7.94E-09	4.20E-08	7.36E-10	5.06E-08	7.21E-09	2.20E-08	2.23E-10	2.94E-08
2981	470015.69	3818974.78	8.60E-08	3.34E-07	4.42E-09	4.24E-07	7.17E-08	2.45E-07	3.17E-09	3.20E-07	8.12E-09	4.30E-08	7.54E-10	5.18E-08	7.39E-09	2.25E-08	2.28E-10	3.01E-08
2982	470024.55	3818971.27	8.78E-08	3.41E-07	4.51E-09	4.33E-07	7.32E-08	2.50E-07	3.24E-09	3.27E-07	8.29E-09	4.39E-08	7.70E-10	5.29E-08	7.54E-09	2.30E-08	2.33E-10	3.07E-08
2983	470051.14	3818960.74	9.22E-08	3.58E-07	4.74E-09	4.55E-07	7.68E-08	2.63E-07	3.40E-09	3.43E-07	8.71E-09	4.60E-08	8.08E-10	5.56E-08	7.92E-09	2.41E-08	2.45E-10	3.23E-08
2984	470060.01	3818957.23	9.34E-08	3.62E-07	4.80E-09	4.60E-07	7.78E-08	2.66E-07	3.44E-09	3.47E-07	8.82E-09	4.66E-08	8.18E-10	5.63E-08	8.02E-09	2.44E-08	2.48E-10	3.27E-08
2985	470068.87	3818953.72	9.44E-08	3.66E-07	4.85E-09	4.65E-07	7.86E-08	2.69E-07	3.48E-09	3.51E-07	8.91E-09	4.71E-08	8.27E-10	5.68E-08	8.10E-09	2.47E-08	2.50E-10	3.30E-08
2986	470077.73	3818950.21	9.51E-08	3.69E-07	4.89E-09	4.69E-07	7.92E-08	2.71E-07	3.51E-09	3.54E-07	8.98E-09	4.75E-08	8.34E-10	5.73E-08	8.17E-09	2.49E-08	2.52E-10	3.33E-08
2987	470086.6	3818946.7	9.58E-08	3.72E-07	4.92E-09	4.72E-07	7.98E-08	2.73E-07	3.53E-09	3.56E-07	9.05E-09	4.78E-08	8.40E-10	5.77E-08	8.23E-09	2.50E-08	2.54E-10	3.35E-08
2988	470095.46	3818943.19	9.63E-08	3.74E-07	4.95E-09	4.75E-07	8.02E-08	2.74E-07	3.55E-09	3.58E-07	9.10E-09	4.81E-08	8.44E-10	5.80E-08	8.27E-09	2.52E-08	2.55E-10	3.37E-08
2989	470104.32	3818939.68	9.66E-08	3.75E-07	4.96E-09	4.76E-07	8.04E-08	2.75E-07	3.56E-09	3.59E-07	9.12E-09	4.82E-08	8.46E-10	5.82E-08	8.29E-09	2.52E-08	2.56E-10	3.38E-08
2990	469780.54	3819202.92	2.87E-08	1.11E-07	1.48E-09	1.42E-07	2.39E-08	8.18E-08	1.06E-09	1.07E-07	2.71E-09	1.43E-08	2.52E-10	1.73E-08	2.46E-09	7.51E-09	7.61E-11	1.00E-08
2991	469784.37	3819194.12	2.93E-08	1.14E-07	1.51E-09	1.45E-07	2.44E-08	8.36E-08	1.08E-09	1.09E-07	2.77E-09	1.46E-08	2.57E-10	1.77E-08	2.52E-09	7.67E-09	7.78E-11	1.03E-08
2992	469788.21	3819185.32	3.00E-08	1.16E-07	1.54E-09	1.48E-07	2.50E-08	8.56E-08	1.11E-09	1.12E-07	2.84E-09	1.50E-08	2.63E-10	1.81E-08	2.58E-09	7.85E-09	7.96E-11	1.05E-08
2993	469792.05	3819176.52	3.08E-08	1.19E-07	1.58E-09	1.52E-07	2.56E-08	8.77E-08	1.14E-09	1.14E-07	2.91E-09	1.54E-08	2.70E-10	1.85E-08	2.64E-09	8.05E-09	8.16E-11	1.08E-08
2994	469795.89	3819167.71	3.16E-08	1.22E-07	1.62E-09	1.56E-07	2.63E-08	9.00E-08	1.16E-09	1.17E-07	2.98E-09	1.58E-08	2.77E-10	1.90E-08	2.71E-09	8.26E-09	8.37E-11	1.11E-08
2995	469799.73	3819158.91	3.24E-08	1.26E-07	1.67E-09	1.60E-07	2.70E-08	9.24E-08	1.20E-09	1.21E-07	3.06E-09	1.62E-08	2.84E-10	1.95E-08	2.78E-09	8.48E-09	8.60E-11	1.13E-08
2996	469803.57	3819150.11	3.33E-08	1.29E-07	1.71E-09	1.64E-07	2.77E-08	9.49E-08	1.23E-09	1.24E-07	3.15E-09	1.66E-08	2.92E-10	2.01E-08	2.86E-09	8.71E-09	8.83E-11	1.17E-08
2997	469807.41	3819141.3	3.42E-08	1.33E-07	1.76E-09	1.69E-07	2.85E-08	9.76E-08	1.26E-09	1.27E-07	3.23E-09	1.71E-08	3.00E-10	2.06E-08	2.94E-09	8.95E-09	9.07E-11	1.20E-08
2998	469811.25	3819132.5	3.51E-08	1.36E-07	1.81E-09	1.73E-07	2.93E-08	1.00E-07	1.30E-09	1.31E-07	3.32E-09	1.75E-08	3.08E-10	2.12E-08	3.02E-09	9.19E-09	9.32E-11	1.23E-08
2999	469815.09	3819123.7	3.60E-08	1.40E-07	1.85E-09	1.78E-07	3.00E-08	1.03E-07	1.33E-09	1.34E-07	3.40E-09	1.80E-08	3.16E-10	2.17E-08	3.09E-09	9.42E-09	9.55E-11	1.26E-08
3000	469818.93	3819114.9	3.70E-08	1.43E-07	1.90E-09	1.82E-07	3.08E-08	1.05E-07	1.36E-09	1.37E-07	3.49E-09	1.85E-08	3.24E-10	2.23E-08	3.17E-09	9.66E-09	9.80E-11	1.29E-08
3001	469822.76	3819106.09	3.79E-08	1.47E-07	1.95E-09	1.87E-07	3.16E-08	1.08E-07	1.40E-09	1.41E-07	3.58E-09	1.89E-08	3.32E-10	2.28E-08	3.25E-09	9.91E-09	1.00E-10	1.33E-08
3002	469845.8	3819053.28	4.33E-08	1.68E-07	2.23E-09	2.14E-07	3.61E-08	1.23E-07	1.60E-09	1.61E-07	4.09E-09	2.16E-08	3.80E-10	2.61E-08	3.72E-09	1.13E-08	1.15E-10	1.52E-08
3003	469849.64	3819044.47	4.40E-08	1.71E-07	2.26E-09	2.17E-07	3.67E-08	1.25E-07	1.62E-09	1.64E-07	4.16E-09	2.20E-08	3.86E-10	2.65E-08	3.78E-09	1.15E-08	1.17E-10	1.54E-08
3004	469853.48	3819035.67	4.47E-08	1.73E-07	2.30E-09	2.20E-07	3.72E-08	1.27E-07	1.65E-09	1.66E-07	4.22E-09	2.23E-08	3.92E-10	2.69E-08	3.84E-09	1.17E-08	1.18E-10	1.56E-08
3005	469857.32	3819026.87	4.53E-08	1.76E-07	2.33E-09	2.23E-07	3.77E-08	1.29E-07	1.67E-09	1.68E-07	4.27E-09	2.26E-08	3.97E-10	2.73E-08	3.89E-09	1.18E-08	1.20E-10	1.58E-08
3006	469861.15	3819018.06	4.58E-08	1.78E-07	2.35E-09	2.26E-07	3.81E-08	1.30E-07	1.69E-09	1.70E-07	4.32E-09	2.29E-08	4.01E-10	2.76E-08	3.93E-09	1.20E-08	1.21E-10	1.60E-08
3007	469864.99	3819009.26	4.62E-08	1.79E-07	2.37E-09	2.28E-07	3.85E-08	1.32E-07	1.70E-09	1.72E-07	4.36E-09	2.31E-08	4.05E-10	2.78E-08	3.97E-09	1.21E-08	1.22E-10	1.62E-08
3008	469868.83	3819000.46	4.66E-08	1.81E-07	2.39E-09	2.30E-07	3.88E-08	1.33E-07	1.72E-09	1.73E-07	4.40E-09	2.33E-08	4.08E-10	2.81E-08	4.00E-09	1.22E-08	1.23E-10	1.63E-08
3009	469908.39	3818977.51	5.41E-08	2.10E-07	2.78E-09	2.67E-07	4.50E-08	1.54E-07	1.99E-09	2.01E-07	5.11E-09	2.70E-08	4.74E-10	3.26E-08	4.64E-09	1.41E-08	1.43E-10	1.89E-08
3010	469917.32	3818973.97	5.58E-08	2.16E-07	2.87E-09	2.75E-07	4.65E-08	1.59E-07	2.06E-09	2.08E-07	5.27E-09	2.79E-08	4.89E-10	3.36E-08	4.79E-09	1.46E-08	1.48E-10	1.95E-08
3011	469926.24	3818970.44	5.76E-08	2.23E-07	2.96E-09	2.84E-07	4.79E-08	1.64E-07	2.12E-09	2.14E-07	5.44E-09	2.87E-08	5.04E-10	3.47E-08	4.94E-09	1.50E-08	1.53E-10	2.01E-08
3012	469935.17	3818966.9	5.93E-08	2.30E-07	3.05E-09	2.92E-07	4.94E-08	1.69E-07	2.19E-09	2.21E-07	5.60E-09	2.96E-08	5.20E-10	3.57E-08	5.09E-09	1.55E-08	1.57E-10	2.08E-08
3013	469944.1	3818963.36	6.10E-08	2.37E-07	3.14E-09	3.01E-07	5.09E-08	1.74E-07	2.25E-09	2.27E-07	5.76E-09	3.05E-08	5.35E-10	3.68E-08	5.24E-09	1.60E-08	1.62E-10	2.14E-08
3014	469953.03	3818959.83	6.27E-08	2.43E-07	3.22E-09	3.09E-07	5.23E-08	1.79E-07	2.31E-09	2.33E-07	5.93E-09	3.13E-08	5.50E-10	3.78E-08	5.39E-09	1.64E-08	1.66E-10	2.20E-08
3015	469961.96	3818956.29	6.44E-08	2.50E-07	3.31E-09	3.17E-07	5.36E-08	1.84E-07	2.37E-09	2.40E-07	6.08E-09	3.22E-08	5.64E-10	3.88E-08	5.53E-09	1.68E-08	1.71E-10	2.25E-08
3016	469970.89	3818952.76	6.60E-08	2.56E-07	3.39E-09	3.25E-07	5.50E-08	1.88E-07	2.43E-09	2.46E-07	6.23E-09	3.30E-08	5.78E-10	3.98E-08	5.67E-09	1.73E-08	1.75E-10	2.31E-08
3017	469979.82	3818949.22	6.76E-08	2.62E-07	3.47E-09	3.33E-07	5.63E-08	1.93E-07	2.49E-09	2.51E-07	6.38E-09	3.37E-08	5.92E-10	4.07E-08	5.80E-09	1.77E-08	1.79E-10	2.36E-08
3018	469988.75	3818945.68	6.91E-08	2.68E-07	3.55E-09	3.41E-07	5.76E-08	1.97E-07	2.55E-09	2.57E-07	6.53E-09	3.45E-08	6.06E-10	4.16E-08	5.93E-09	1.81E-08	1.83E-10	2.42E-08
3019	469997.68	3818942.15	7.06E-08	2.74E-07	3.63E-09	3.48E-07	5.88E-08	2.01E-07	2.60E-09	2.63E-07	6.67E-09	3.53E-08	6.19E-10	4.25E-08	6.06E-09	1.85E-08	1.87E-10	2.47E-08
3020	470006.6	3818938.61	7.20E-08	2.79E-07	3.70E-09	3.55E-07	6.00E-08	2.05E-07	2.66E-09	2.68E-07	6.80E-09	3.59E-08	6.31E-10	4.34E-08	6.18E-09	1.88E-08	1.91E-10	2.52E-08
3021	470015.53	3818935.07	7.33E-08	2.84E-07	3.77E-09	3.61E-07	6.11E-08	2.09E-07	2.70E-09	2.73E-07	6.92E-09	3.66E-08	6.42E-10	4.42E-08	6.29E-09	1.92E-08	1.94E-10	2.56E-08
3022	470024.46	3818931.54	7.45E-08	2.89E-07	3.83E-09	3.67E-07	6.20E-08	2.12E-07	2.75E-09	2.77E-07	7.03E-09	3.72E-08	6.53E-10	4.49E-08	6.39E-09	1.95E-08	1.97E-10	2.61E-08
3023	470051.25	3818920.93	7.73E-08	3.00E-07	3.97E-09	3.81E-07	6.44E-08	2.20E-07	2.85E-09	2.88E-07	7.30E-09	3.86E-08	6.78E-10	4.66E-08	6.64E-09	2.02E-08	2.05E-10	2.71E-08
3024	470060.18	3818917.39	7.80E-08	3.03E-07	4.01E-09	3.85E-07	6.50E-08	2.22E-07	2.88E-09	2.90E-07	7.37E-09	3.90E-08	6.84E-10	4.70E-08	6.70E-09	2.04E-08	2.07E-10	2.73E-08
3025	470069.11	3818913.86	7.86E-08	3.05E-07	4.04E-09	3.88E-07	6.55E-08	2.24E-07	2.90E-09	2.92E-07	7.42E-09	3.92E-08	6.89E-10	4.74E-08	6.75E-09	2.06E-08	2.08E-10	2.75E-08
3026	470078.03	3818910.32	7.91E-08	3.07E-07	4.06E-09	3.90E-07	6.59E-08	2.25E-07	2.92E-09	2.94E-07	7.47E-09	3.95E-08	6.93E-10	4.76E-08	6.79E-09	2.07E-08	2.10E-10	2.77E-08
3027	470086.96	3818906.78	7.94E-08	3.08E-07	4.08E-09	3.91E-07	6.61E-08	2.26E-07	2.93E-09	2.95E-07	7.50E-09	3.96E-08	6.96E-10	4.78E-08	6.81E-09	2.08E-08	2.10E-10	2.78E-08
3028	470095.89	3818903.25	7.95E-08	3.08E-07	4.09E-09	3.92E-07	6.63E-08	2.27E-07	2.93E-09	2.96E-07	7.51E-09	3.97E-08	6.97E-10	4.79E-08	6.83E-09	2.08E-08	2.11E-10	2.78E-08
3029	470104.82	3818899.71	7.95E-08	3.08E-07	4.08E-09	3.92E-07	6.62E-08	2.27E-07	2.93E-09	2.96E-07	7.51E-09	3.97E-08	6.97E-10	4.79E-08	6.82E-09	2.08E-08	2.11E-10	2.78E-08
3030	469740.24	3819202.83	2.31E-08	8.96E-08	1.19E-09	1.14E-07	1.92E-08	6.58E-08	8.52E-10	8.59E-08	2.18E-09	1.15E-08	2.02E-10	1.39E-08	1.98E-09	6.04E-09	6.12E-11	8.08E-09
3031	469743.97	3819194.26	2.35E-08	9.12E-08	1.21E-09	1.16E-07	1.96E-08	6.70E-08	8.68E-10	8.75E-08	2.22E-09	1.17E-08	2.06E-10	1.42E-08	2.02E-09	6.15E-09	6.24E-11	8.23E-09
3032	469747.71	3819185.69	2.40E-08	9.30E-08	1.23E-09	1.18E-07	2.00E-08	6.84E-08	8.85E-10	8.92E-08	2.27E-09	1.20E-08	2.10E-10	1.45E-08	2.06E-09	6.27E-09	6.36E-11	8.39E-09
3033	469751.45	3819177.12	2.45E-08	9.50E-08	1.26E-09	1.21E-07	2.04E-08	6.98E-08	9.04E-10	9.11E-08	2.31E-09	1.22E-08	2.15E-10	1.48E-08	2.10E-09	6.41E-09	6.50E-11	8.57E-09
3034	469755.19	3819168.55	2.51E-08	9.72E-08	1.29E-09	1.24E-07	2.09E-08	7.14E-08	9.24E-10	9.32E-08	2.37E-09	1.25E-08	2.20E-10	1.51E-08	2.15E-09	6.55E-09	6.64E-11	8.77E-09
3035	469758.92	3819159.98	2.56E-08	9.95E-08	1.32E-09	1.26E-07	2.14E-08	7.31E-08	9.46E-10	9.54E-08	2.42E-09	1.28E-08	2.25E-10	1.55E-08	2.20E-09	6.71E-09	6.80E-11	8.97E-09
3036	469762.66	3819151.41	2.63E-08	1.02E-07	1.35E-09	1.30E-07	2.19E-08	7.49E-08	9.69E-10	9.77E-08	2.48E-09	1.31E-08	2.30E-10	1.58E-08	2.26E-09	6.87E-09	6.97E-11	9.20E-09
3037	469766.4	3819142.84	2.69E-08	1.04E-07	1.38E-09	1.33E-07	2.24E-08	7.68E-08	9.93E-10	1.00E-07	2.54E-09	1.34E-08	2.36E-10	1.62E-08	2.31E-09	7.04E-09	7.14E-11	9.43E-09
3038	469770.13	3819134.27	2.76E-08	1.07E-07	1.42E-09	1.36E-07	2.30E-08	7.87E-08	1.02E-09	1.03E-07	2.61E-09	1.38E-08	2.42E-10	1.66E-08	2.37E-09	7.22E-09	7.32E-11	9.66E-09
3039	469773.87	3819125.7	2.83E-08	1.10E-07	1.45E-09	1.39E-07	2.35E-08	8.06E-08	1.04E-09	1.05E-07	2.67E-09	1.41E-08	2.48E-10	1.70E-08	2.43E-09	7.39E-09	7.49E-11	9.89E-09
3040	469777.61	3819117.14	2.89E-08	1.12E-07	1.49E-09	1.43E-07	2.41E-08	8.24E-08	1.07E-09	1.08E-07	2.73E-09	1.44E-08	2.54E-10	1.74E-08	2.48E-09	7.56E-09	7.67E-11	1.01E-08
3041	469781.34	3819108.57	2.96E-08	1.15E-07	1.52E-09	1.46E-07	2.47E-08	8.43E-08	1.09E-09	1.10E-07	2.79E-09	1.48E-08	2.59E-10	1.78E-08	2.54E-09	7.74E-09	7.85E-11	1.04E-08
3042	469785.08	3819100	3.03E-08	1.18E-07	1.56E-09	1.49E-07	2.53E-08	8.64E-08	1.12E-09	1.13E-07	2.86E-09	1.51E-08	2.66E-10	1.83E-08	2.60E-09	7.93E-09	8.04E-11	1.06E-08
3043	469788.82	3819091.43	3.11E-08	1.20E-07	1.60E-09	1.53E-07	2.59E-08	8.85E-08	1.15E-09	1.16E-07	2.93E-09	1.55E-08	2.72E-10	1.87E-08	2.67E-09	8.12E-09	8.24E-11	1.09E-08
3044	469792.56	3819082.86	3.18E-08	1.23E-07	1.63E-09	1.57E-07	2.65E-08	9.07E-08	1.17E-09	1.18E-07	3.00E-09	1.59E-08	2.79E-10	1.92E-08	2.73E-09	8.32E-09	8.43E-11	1.11E-08
3045	469796.29	3819074.29	3.25E-08	1.26E-07	1.67E-09	1.60E-07	2.71E-08	9.27E-08	1.20E-09	1.21E-07	3.07E-09	1.62E-08	2.85E-10	1.96E-08	2.79E-09	8.51E-09	8.63E-11	1.14E-08
3046	469800.03	3819065.72	3.33E-08	1.29E-07	1.71E-09	1.64E-07	2.77E-08	9.48E-08	1.23E-09	1.24E-07	3.14E-09	1.66E-08	2.91E-10	2.00E-08	2.86E-09	8.69E-09	8.82E-11	1.16E-08
3047	469803.77	3819057.15	3.40E-08	1.32E-07	1.74E-09	1.67E-07	2.83E-08	9.68E-08	1.25E-09	1.26E-07	3.21E-09	1.70E-08	2.98E-10	2.05E-08	2.92E-09	8.88E-09	9.00E-11	1.19E-08
3048	469807.5	3819048.58	3.46E-08	1.34E-07	1.78E-09	1.71E-07	2.88E-08	9.87E-08	1.28E-09	1.29E-07	3.27E-09	1.73E-08	3.03E-10	2.09E-08	2.97E-09	9.05E-09	9.18E-11	1.21E-08
3049	469811.24	3819040.01	3.53E-08	1.37E-07	1.81E-09	1.74E-07	2.94E-08	1.01E-07	1.30E-09	1.31E-07	3.33E-09	1.76E-08	3.09E-10	2.13E-08	3.03E-09	9.22E-09	9.35E-11	1.23E-08
3050	469814.98	3819031.44	3.59E-08	1.39E-07	1.85E-09	1.77E-07	2.99E-08	1.02E-07	1.32E-09	1.34E-07	3.39E-09	1.79E-08	3.15E-10	2.16E-08	3.08E-09	9.39E-09	9.52E-11	1.26E-08
3051	469818.72	3819022.88	3.65E-08	1.42E-07	1.88E-09	1.80E-07	3.04E-08	1.04E-07	1.35E-09	1.36E-07	3.45E-09	1.82E-08	3.20E-10	2.20E-08	3.13E-09	9.54E-09	9.68E-11	1.28E-08
3052	469822.45	3819014.31	3.71E-08	1.44E-07	1.90E-09	1.83E-07	3.09E-08	1.06E-07	1.37E-09	1.38E-07	3.50E-09	1.85E-08	3.25E-10	2.23E-08	3.18E-09	9.69E-09	9.82E-11	1.30E-08
3053	469826.19	3819005.74	3.75E-08	1.46E-07	1.93E-09	1.85E-07	3.13E-08	1.07E-07	1.38E-09	1.40E-07	3.54E-09	1.87E-08	3.29E-10	2.26E-08	3.22E-09	9.81E-09	9.95E-11	1.31E-08
3054	469841.14	3818971.46	3.89E-08	1.51E-07	2.00E-09	1.92E-07	3.24E-08	1.11E-07	1.43E-09	1.45E-07	3.67E-09	1.94E-08	3.41E-10	2.34E-08	3.34E-09	1.02E-08	1.03E-10	1.36E-08
3055	469853.57	3818959.45	4.05E-08	1.57E-07	2.08E-09	1.99E-07	3.37E-08	1.15E-07	1.49E-09	1.51E-07	3.82E-09	2.02E-08	3.55E-10	2.44E-08	3.47E-09	1.06E-08	1.07E-10	1.42E-08
3056	469862.26	3818956.01	4.18E-08	1.62E-07	2.15E-09	2.06E-07	3.48E-08	1.19E-07	1.54E-09	1.56E-07	3.95E-09	2.09E-08	3.67E-10	2.52E-08	3.59E-09	1.09E-08	1.11E-10	1.46E-08
3057	469870.95	3818952.57	4.32E-08	1.68E-07	2.22E-09	2.13E-07	3.60E-08	1.23E-07	1.59E-09	1.61E-07	4.08E-09	2.16E-08	3.79E-10	2.60E-08	3.71E-09	1.13E-08	1.15E-10	1.51E-08
3058	469879.64	3818949.12	4.46E-08	1.73E-07	2.29E-09	2.20E-07	3.71E-08	1.27E-07	1.64E-09	1.66E-07	4.21E-09	2.23E-08	3.91E-10	2.69E-08	3.83E-09	1.17E-08	1.18E-10	1.56E-08
3059	469888.33	3818945.68	4.60E-08	1.78E-07	2.36E-09	2.27E-07	3.83E-08	1.31E-07	1.70E-09	1.71E-07	4.34E-09	2.29E-08	4.03E-10	2.77E-08	3.95E-09	1.20E-08	1.22E-10	1.61E-08
3060	469897.02	3818942.24	4.73E-08	1.84E-07	2.43E-09	2.33E-07	3.94E-08	1.35E-07	1.75E-09	1.76E-07	4.47E-09	2.36E-08	4.15E-10	2.85E-08	4.06E-09	1.24E-08	1.25E-10	1.66E-08
3061	469905.72	3818938.8	4.87E-08	1.89E-07	2.50E-09	2.40E-07	4.05E-08	1.39E-07	1.80E-09	1.81E-07	4.60E-09	2.43E-08	4.27E-10	2.93E-08	4.18E-09	1.27E-08	1.29E-10	1.70E-08
3062	469914.41	3818935.35	5.00E-08	1.94E-07	2.57E-09	2.46E-07	4.16E-08	1.42E-07	1.84E-09	1.86E-07	4.72E-09	2.50E-08	4.38E-10	3.01E-08	4.29E-09	1.31E-08	1.33E-10	1.75E-08
3063	469923.1	3818931.91	5.13E-08	1.99E-07	2.63E-09	2.53E-07	4.27E-08	1.46E-07	1.89E-09	1.91E-07	4.84E-09	2.56E-08	4.49E-10	3.09E-08	4.40E-09	1.34E-08	1.36E-10	1.79E-08
3064	469931.79	3818928.47	5.25E-08	2.04E-07	2.70E-09	2.59E-07	4.38E-08	1.50E-07	1.94E-09	1.95E-07	4.96E-09	2.62E-08	4.60E-10	3.17E-08	4.51E-09	1.37E-08	1.39E-10	1.84E-08
3065	469940.48	3818925.03	5.38E-08	2.09E-07	2.76E-09	2.65E-07	4.48E-08	1.53E-07	1.98E-09	2.00E-07	5.08E-09	2.68E-08	4.71E-10	3.24E-08	4.62E-09	1.41E-08	1.43E-10	1.88E-08
3066	469949.17	3818921.58	5.50E-08	2.13E-07	2.82E-09	2.71E-07	4.58E-08	1.57E-07	2.03E-09	2.04E-07	5.19E-09	2.74E-08	4.82E-10	3.31E-08	4.72E-09	1.44E-08	1.46E-10	1.92E-08
3067	469957.87	3818918.14	5.61E-08	2.18E-07	2.88E-09	2.77E-07	4.67E-08	1.60E-07	2.07E-09	2.09E-07	5.30E-09	2.80E-08	4.92E-10	3.38E-08	4.82E-09	1.47E-08	1.49E-10	1.96E-08
3068	469966.56	3818914.7	5.73E-08	2.22E-07	2.94E-09	2.82E-07	4.77E-08	1.63E-07	2.11E-09	2.13E-07	5.41E-09	2.86E-08	5.02E-10	3.45E-08	4.92E-09	1.50E-08	1.52E-10	2.

3069	469975.25	3818911.26	5.84E-08	2.27E-07	3.00E-09	2.88E-07	4.87E-08	1.67E-07	2.16E-09	2.17E-07	5.52E-09	2.92E-08	5.12E-10	3.52E-08	5.02E-09	1.53E-08	1.55E-10	2.05E-08
3070	469983.94	3818907.81	5.96E-08	2.31E-07	3.06E-09	2.94E-07	4.96E-08	1.70E-07	2.20E-09	2.22E-07	5.62E-09	2.97E-08	5.22E-10	3.59E-08	5.11E-09	1.56E-08	1.58E-10	2.08E-08
3071	469992.63	3818904.37	6.06E-08	2.35E-07	3.11E-09	2.99E-07	5.05E-08	1.73E-07	2.23E-09	2.25E-07	5.72E-09	3.02E-08	5.31E-10	3.65E-08	5.20E-09	1.58E-08	1.61E-10	2.12E-08
3072	470001.32	3818900.93	6.15E-08	2.39E-07	3.16E-09	3.03E-07	5.12E-08	1.75E-07	2.27E-09	2.29E-07	5.81E-09	3.07E-08	5.39E-10	3.70E-08	5.28E-09	1.61E-08	1.63E-10	2.15E-08
3073	470010.02	3818897.49	6.24E-08	2.42E-07	3.20E-09	3.07E-07	5.19E-08	1.78E-07	2.30E-09	2.32E-07	5.89E-09	3.11E-08	5.46E-10	3.76E-08	5.35E-09	1.63E-08	1.65E-10	2.18E-08
3074	470018.71	3818894.04	6.32E-08	2.45E-07	3.24E-09	3.11E-07	5.26E-08	1.80E-07	2.33E-09	2.35E-07	5.96E-09	3.15E-08	5.53E-10	3.80E-08	5.42E-09	1.65E-08	1.67E-10	2.21E-08
3075	470027.4	3818890.6	6.39E-08	2.48E-07	3.28E-09	3.15E-07	5.32E-08	1.82E-07	2.36E-09	2.38E-07	6.03E-09	3.19E-08	5.60E-10	3.85E-08	5.48E-09	1.67E-08	1.69E-10	2.24E-08
3076	470044.78	3818883.72	6.51E-08	2.53E-07	3.35E-09	3.21E-07	5.43E-08	1.86E-07	2.40E-09	2.42E-07	6.15E-09	3.25E-08	5.71E-10	3.92E-08	5.59E-09	1.70E-08	1.73E-10	2.28E-08
3077	470053.47	3818880.27	6.56E-08	2.55E-07	3.37E-09	3.24E-07	5.47E-08	1.87E-07	2.42E-09	2.44E-07	6.20E-09	3.28E-08	5.75E-10	3.96E-08	5.64E-09	1.72E-08	1.74E-10	2.30E-08
3078	470062.16	3818876.83	6.61E-08	2.56E-07	3.39E-09	3.26E-07	5.50E-08	1.88E-07	2.44E-09	2.46E-07	6.24E-09	3.30E-08	5.79E-10	3.98E-08	5.67E-09	1.73E-08	1.75E-10	2.31E-08
3079	470070.86	3818873.39	6.64E-08	2.58E-07	3.41E-09	3.27E-07	5.53E-08	1.89E-07	2.45E-09	2.47E-07	6.27E-09	3.31E-08	5.82E-10	4.00E-08	5.70E-09	1.74E-08	1.76E-10	2.32E-08
3080	470079.55	3818869.95	6.66E-08	2.58E-07	3.42E-09	3.28E-07	5.55E-08	1.90E-07	2.46E-09	2.48E-07	6.29E-09	3.33E-08	5.84E-10	4.01E-08	5.72E-09	1.74E-08	1.77E-10	2.33E-08
3081	470088.24	3818866.51	6.67E-08	2.59E-07	3.43E-09	3.29E-07	5.56E-08	1.90E-07	2.46E-09	2.48E-07	6.30E-09	3.33E-08	5.85E-10	4.02E-08	5.73E-09	1.74E-08	1.77E-10	2.34E-08
3082	470096.93	3818863.06	6.68E-08	2.59E-07	3.43E-09	3.29E-07	5.56E-08	1.90E-07	2.46E-09	2.48E-07	6.30E-09	3.33E-08	5.85E-10	4.02E-08	5.73E-09	1.75E-08	1.77E-10	2.34E-08
3083	470105.62	3818859.62	6.66E-08	2.58E-07	3.42E-09	3.29E-07	5.55E-08	1.90E-07	2.46E-09	2.48E-07	6.29E-09	3.33E-08	5.84E-10	4.02E-08	5.72E-09	1.74E-08	1.77E-10	2.33E-08
3084	469704.1	3819193.19	1.93E-08	7.49E-08	9.92E-10	9.51E-08	1.61E-08	5.50E-08	7.12E-10	7.18E-08	1.82E-09	9.64E-09	1.69E-10	1.16E-08	1.66E-09	5.05E-09	5.12E-11	6.75E-09
3085	469707.86	3819184.56	1.96E-08	7.62E-08	1.01E-09	9.68E-08	1.64E-08	5.60E-08	7.24E-10	7.30E-08	1.85E-09	9.80E-09	1.72E-10	1.18E-08	1.69E-09	5.13E-09	5.20E-11	6.87E-09
3086	469711.63	3819175.92	2.00E-08	7.76E-08	1.03E-09	9.86E-08	1.67E-08	5.70E-08	7.38E-10	7.44E-08	1.89E-09	9.99E-09	1.75E-10	1.21E-08	1.72E-09	5.23E-09	5.30E-11	7.00E-09
3087	469715.4	3819167.28	2.04E-08	7.92E-08	1.05E-09	1.01E-07	1.70E-08	5.82E-08	7.53E-10	7.59E-08	1.93E-09	1.02E-08	1.79E-10	1.23E-08	1.75E-09	5.34E-09	5.41E-11	7.14E-09
3088	469719.16	3819158.65	2.08E-08	8.09E-08	1.07E-09	1.03E-07	1.74E-08	5.94E-08	7.69E-10	7.76E-08	1.97E-09	1.04E-08	1.83E-10	1.26E-08	1.79E-09	5.45E-09	5.53E-11	7.30E-09
3089	469722.93	3819150.01	2.13E-08	8.27E-08	1.10E-09	1.05E-07	1.78E-08	6.08E-08	7.86E-10	7.93E-08	2.01E-09	1.06E-08	1.87E-10	1.28E-08	1.83E-09	5.57E-09	5.65E-11	7.46E-09
3090	469726.69	3819141.38	2.18E-08	8.46E-08	1.12E-09	1.08E-07	1.82E-08	6.22E-08	8.04E-10	8.11E-08	2.06E-09	1.09E-08	1.91E-10	1.31E-08	1.87E-09	5.70E-09	5.78E-11	7.63E-09
3091	469730.46	3819132.74	2.23E-08	8.66E-08	1.15E-09	1.10E-07	1.86E-08	6.37E-08	8.24E-10	8.31E-08	2.11E-09	1.12E-08	1.96E-10	1.35E-08	1.92E-09	5.84E-09	5.92E-11	7.82E-09
3092	469734.23	3819124.11	2.29E-08	8.87E-08	1.18E-09	1.13E-07	1.91E-08	6.52E-08	8.44E-10	8.51E-08	2.16E-09	1.14E-08	2.01E-10	1.38E-08	1.96E-09	5.98E-09	6.07E-11	8.01E-09
3093	469737.99	3819115.47	2.34E-08	9.09E-08	1.20E-09	1.16E-07	1.95E-08	6.68E-08	8.65E-10	8.72E-08	2.21E-09	1.17E-08	2.05E-10	1.41E-08	2.01E-09	6.13E-09	6.22E-11	8.21E-09
3094	469741.76	3819106.84	2.40E-08	9.32E-08	1.23E-09	1.18E-07	2.00E-08	6.85E-08	8.86E-10	8.94E-08	2.27E-09	1.20E-08	2.11E-10	1.45E-08	2.06E-09	6.28E-09	6.37E-11	8.41E-09
3095	469745.52	3819098.2	2.46E-08	9.53E-08	1.26E-09	1.21E-07	2.05E-08	7.00E-08	9.06E-10	9.14E-08	2.32E-09	1.23E-08	2.15E-10	1.48E-08	2.11E-09	6.42E-09	6.51E-11	8.60E-09
3096	469749.29	3819089.57	2.51E-08	9.74E-08	1.29E-09	1.24E-07	2.09E-08	7.16E-08	9.27E-10	9.35E-08	2.37E-09	1.25E-08	2.20E-10	1.51E-08	2.16E-09	6.57E-09	6.66E-11	8.79E-09
3097	469753.06	3819080.93	2.57E-08	9.96E-08	1.32E-09	1.27E-07	2.14E-08	7.32E-08	9.47E-10	9.55E-08	2.42E-09	1.28E-08	2.25E-10	1.55E-08	2.20E-09	6.71E-09	6.81E-11	8.99E-09
3098	469756.82	3819072.3	2.63E-08	1.02E-07	1.35E-09	1.29E-07	2.19E-08	7.48E-08	9.68E-10	9.77E-08	2.48E-09	1.31E-08	2.30E-10	1.58E-08	2.25E-09	6.87E-09	6.96E-11	9.19E-09
3099	469760.59	3819063.66	2.69E-08	1.04E-07	1.38E-09	1.32E-07	2.24E-08	7.66E-08	9.91E-10	9.99E-08	2.54E-09	1.34E-08	2.35E-10	1.62E-08	2.31E-09	7.02E-09	7.12E-11	9.40E-09
3100	469764.35	3819055.02	2.75E-08	1.06E-07	1.41E-09	1.35E-07	2.29E-08	7.82E-08	1.01E-09	1.02E-07	2.59E-09	1.37E-08	2.41E-10	1.65E-08	2.36E-09	7.18E-09	7.28E-11	9.61E-09
3101	469768.12	3819046.39	2.80E-08	1.09E-07	1.44E-09	1.38E-07	2.34E-08	7.99E-08	1.03E-09	1.04E-07	2.65E-09	1.40E-08	2.46E-10	1.69E-08	2.41E-09	7.33E-09	7.43E-11	9.81E-09
3102	469771.89	3819037.75	2.86E-08	1.11E-07	1.47E-09	1.41E-07	2.38E-08	8.15E-08	1.06E-09	1.06E-07	2.70E-09	1.43E-08	2.51E-10	1.72E-08	2.46E-09	7.48E-09	7.59E-11	1.00E-08
3103	469775.65	3819029.12	2.92E-08	1.13E-07	1.50E-09	1.44E-07	2.43E-08	8.31E-08	1.08E-09	1.08E-07	2.75E-09	1.46E-08	2.56E-10	1.76E-08	2.50E-09	7.63E-09	7.73E-11	1.02E-08
3104	469779.42	3819020.48	2.97E-08	1.15E-07	1.53E-09	1.46E-07	2.47E-08	8.46E-08	1.10E-09	1.10E-07	2.80E-09	1.48E-08	2.60E-10	1.79E-08	2.55E-09	7.76E-09	7.87E-11	1.04E-08
3105	469783.18	3819011.85	3.02E-08	1.17E-07	1.55E-09	1.49E-07	2.52E-08	8.61E-08	1.11E-09	1.12E-07	2.85E-09	1.51E-08	2.65E-10	1.82E-08	2.59E-09	7.90E-09	8.01E-11	1.06E-08
3106	469786.95	3819003.21	3.07E-08	1.19E-07	1.58E-09	1.51E-07	2.56E-08	8.74E-08	1.13E-09	1.14E-07	2.90E-09	1.53E-08	2.69E-10	1.85E-08	2.63E-09	8.02E-09	8.13E-11	1.07E-08
3107	469798.25	3818977.31	3.19E-08	1.24E-07	1.64E-09	1.57E-07	2.66E-08	9.09E-08	1.18E-09	1.19E-07	3.01E-09	1.59E-08	2.80E-10	1.92E-08	2.74E-09	8.34E-09	8.46E-11	1.12E-08
3108	469802.01	3818968.67	3.22E-08	1.25E-07	1.66E-09	1.59E-07	2.69E-08	9.19E-08	1.19E-09	1.20E-07	3.04E-09	1.61E-08	2.83E-10	1.94E-08	2.77E-09	8.43E-09	8.55E-11	1.13E-08
3109	469805.78	3818960.04	3.25E-08	1.26E-07	1.67E-09	1.60E-07	2.71E-08	9.27E-08	1.20E-09	1.21E-07	3.07E-09	1.62E-08	2.85E-10	1.96E-08	2.79E-09	8.51E-09	8.63E-11	1.14E-08
3110	469809.55	3818951.4	3.28E-08	1.27E-07	1.69E-09	1.62E-07	2.73E-08	9.35E-08	1.21E-09	1.22E-07	3.10E-09	1.64E-08	2.87E-10	1.98E-08	2.82E-09	8.57E-09	8.70E-11	1.15E-08
3111	469813.31	3818942.76	3.30E-08	1.28E-07	1.69E-09	1.63E-07	2.75E-08	9.40E-08	1.22E-09	1.23E-07	3.11E-09	1.65E-08	2.89E-10	1.99E-08	2.83E-09	8.62E-09	8.74E-11	1.15E-08
3112	469825.84	3818930.66	3.43E-08	1.33E-07	1.76E-09	1.69E-07	2.85E-08	9.76E-08	1.26E-09	1.27E-07	3.23E-09	1.71E-08	3.00E-10	2.06E-08	2.94E-09	8.95E-09	9.08E-11	1.20E-08
3113	469843.35	3818923.72	3.65E-08	1.42E-07	1.88E-09	1.80E-07	3.04E-08	1.04E-07	1.35E-09	1.36E-07	3.45E-09	1.82E-08	3.20E-10	2.20E-08	3.13E-09	9.54E-09	9.68E-11	1.28E-08
3114	469852.11	3818920.25	3.76E-08	1.46E-07	1.93E-09	1.85E-07	3.13E-08	1.07E-07	1.39E-09	1.40E-07	3.55E-09	1.88E-08	3.29E-10	2.26E-08	3.23E-09	9.83E-09	9.97E-11	1.32E-08
3115	469860.87	3818916.78	3.87E-08	1.50E-07	1.99E-09	1.91E-07	3.22E-08	1.10E-07	1.43E-09	1.44E-07	3.65E-09	1.93E-08	3.39E-10	2.33E-08	3.32E-09	1.01E-08	1.03E-10	1.35E-08
3116	469869.63	3818913.32	3.98E-08	1.54E-07	2.04E-09	1.96E-07	3.31E-08	1.13E-07	1.47E-09	1.48E-07	3.76E-09	1.99E-08	3.49E-10	2.40E-08	3.42E-09	1.04E-08	1.05E-10	1.39E-08
3117	469878.39	3818909.85	4.09E-08	1.58E-07	2.10E-09	2.01E-07	3.40E-08	1.16E-07	1.51E-09	1.52E-07	3.86E-09	2.04E-08	3.58E-10	2.46E-08	3.51E-09	1.07E-08	1.08E-10	1.43E-08
3118	469887.15	3818906.38	4.19E-08	1.63E-07	2.15E-09	2.07E-07	3.49E-08	1.19E-07	1.55E-09	1.56E-07	3.96E-09	2.09E-08	3.67E-10	2.52E-08	3.60E-09	1.10E-08	1.11E-10	1.47E-08
3119	469895.91	3818902.91	4.29E-08	1.67E-07	2.21E-09	2.12E-07	3.58E-08	1.22E-07	1.58E-09	1.60E-07	4.05E-09	2.14E-08	3.76E-10	2.59E-08	3.69E-09	1.12E-08	1.14E-10	1.50E-08
3120	469904.67	3818899.44	4.39E-08	1.70E-07	2.26E-09	2.17E-07	3.66E-08	1.25E-07	1.62E-09	1.63E-07	4.15E-09	2.19E-08	3.85E-10	2.65E-08	3.77E-09	1.15E-08	1.17E-10	1.54E-08
3121	469913.42	3818895.97	4.49E-08	1.74E-07	2.31E-09	2.22E-07	3.74E-08	1.28E-07	1.66E-09	1.67E-07	4.24E-09	2.24E-08	3.94E-10	2.71E-08	3.86E-09	1.17E-08	1.19E-10	1.57E-08
3122	469922.18	3818892.5	4.59E-08	1.78E-07	2.36E-09	2.26E-07	3.82E-08	1.31E-07	1.69E-09	1.71E-07	4.33E-09	2.29E-08	4.02E-10	2.76E-08	3.94E-09	1.20E-08	1.22E-10	1.61E-08
3123	469930.94	3818889.03	4.68E-08	1.82E-07	2.41E-09	2.31E-07	3.90E-08	1.33E-07	1.73E-09	1.74E-07	4.42E-09	2.34E-08	4.10E-10	2.82E-08	4.02E-09	1.22E-08	1.24E-10	1.64E-08
3124	469939.7	3818885.56	4.77E-08	1.85E-07	2.45E-09	2.35E-07	3.98E-08	1.36E-07	1.76E-09	1.78E-07	4.51E-09	2.38E-08	4.18E-10	2.88E-08	4.10E-09	1.25E-08	1.27E-10	1.67E-08
3125	469948.46	3818882.09	4.86E-08	1.88E-07	2.50E-09	2.40E-07	4.05E-08	1.38E-07	1.79E-09	1.81E-07	4.59E-09	2.43E-08	4.26E-10	2.93E-08	4.17E-09	1.27E-08	1.29E-10	1.70E-08
3126	469957.22	3818878.62	4.94E-08	1.92E-07	2.54E-09	2.44E-07	4.12E-08	1.41E-07	1.82E-09	1.84E-07	4.67E-09	2.47E-08	4.33E-10	2.98E-08	4.24E-09	1.29E-08	1.31E-10	1.73E-08
3127	469965.98	3818875.16	5.03E-08	1.95E-07	2.58E-09	2.48E-07	4.19E-08	1.43E-07	1.85E-09	1.87E-07	4.75E-09	2.51E-08	4.41E-10	3.03E-08	4.32E-09	1.31E-08	1.33E-10	1.76E-08
3128	469974.74	3818871.69	5.11E-08	1.98E-07	2.63E-09	2.52E-07	4.26E-08	1.46E-07	1.89E-09	1.90E-07	4.83E-09	2.55E-08	4.48E-10	3.08E-08	4.39E-09	1.34E-08	1.36E-10	1.79E-08
3129	469983.5	3818868.22	5.19E-08	2.01E-07	2.67E-09	2.56E-07	4.32E-08	1.48E-07	1.91E-09	1.93E-07	4.90E-09	2.59E-08	4.55E-10	3.13E-08	4.46E-09	1.36E-08	1.38E-10	1.82E-08
3130	469992.25	3818864.75	5.27E-08	2.04E-07	2.71E-09	2.60E-07	4.39E-08	1.50E-07	1.94E-09	1.96E-07	4.97E-09	2.63E-08	4.62E-10	3.17E-08	4.52E-09	1.38E-08	1.40E-10	1.84E-08
3131	470001.01	3818861.28	5.33E-08	2.07E-07	2.74E-09	2.63E-07	4.44E-08	1.52E-07	1.97E-09	1.98E-07	5.04E-09	2.66E-08	4.67E-10	3.21E-08	4.58E-09	1.39E-08	1.41E-10	1.87E-08
3132	470009.77	3818857.81	5.39E-08	2.09E-07	2.77E-09	2.66E-07	4.49E-08	1.54E-07	1.99E-09	2.01E-07	5.09E-09	2.69E-08	4.73E-10	3.25E-08	4.63E-09	1.41E-08	1.43E-10	1.89E-08
3133	470018.53	3818854.34	5.45E-08	2.11E-07	2.80E-09	2.69E-07	4.54E-08	1.55E-07	2.01E-09	2.03E-07	5.15E-09	2.72E-08	4.77E-10	3.28E-08	4.68E-09	1.42E-08	1.44E-10	1.91E-08
3134	470027.29	3818850.87	5.50E-08	2.13E-07	2.83E-09	2.71E-07	4.58E-08	1.57E-07	2.03E-09	2.05E-07	5.19E-09	2.75E-08	4.82E-10	3.31E-08	4.72E-09	1.44E-08	1.46E-10	1.92E-08
3135	470044.81	3818843.93	5.59E-08	2.17E-07	2.87E-09	2.75E-07	4.65E-08	1.59E-07	2.06E-09	2.08E-07	5.28E-09	2.79E-08	4.90E-10	3.37E-08	4.80E-09	1.46E-08	1.48E-10	1.95E-08
3136	470053.57	3818840.47	5.62E-08	2.18E-07	2.89E-09	2.77E-07	4.68E-08	1.60E-07	2.07E-09	2.09E-07	5.31E-09	2.81E-08	4.93E-10	3.39E-08	4.82E-09	1.47E-08	1.49E-10	1.97E-08
3137	470062.33	3818837	5.65E-08	2.19E-07	2.90E-09	2.78E-07	4.70E-08	1.61E-07	2.08E-09	2.10E-07	5.33E-09	2.82E-08	4.95E-10	3.40E-08	4.85E-09	1.48E-08	1.50E-10	1.98E-08
3138	470071.08	3818833.53	5.67E-08	2.20E-07	2.91E-09	2.79E-07	4.72E-08	1.62E-07	2.09E-09	2.11E-07	5.35E-09	2.83E-08	4.97E-10	3.41E-08	4.87E-09	1.48E-08	1.50E-10	1.98E-08
3139	470079.84	3818830.06	5.68E-08	2.20E-07	2.92E-09	2.80E-07	4.73E-08	1.62E-07	2.09E-09	2.11E-07	5.36E-09	2.84E-08	4.98E-10	3.42E-08	4.88E-09	1.48E-08	1.51E-10	1.99E-08
3140	470088.6	3818826.59	5.68E-08	2.20E-07	2.92E-09	2.80E-07	4.73E-08	1.62E-07	2.10E-09	2.11E-07	5.37E-09	2.84E-08	4.98E-10	3.42E-08	4.88E-09	1.49E-08	1.51E-10	1.99E-08
3141	470097.36	3818823.12	5.68E-08	2.20E-07	2.92E-09	2.80E-07	4.73E-08	1.62E-07	2.09E-09	2.11E-07	5.36E-09	2.83E-08	4.98E-10	3.42E-08	4.87E-09	1.48E-08	1.51E-10	1.99E-08
3142	470106.12	3818819.65	5.66E-08	2.20E-07	2.91E-09	2.79E-07	4.72E-08	1.61E-07	2.09E-09	2.11E-07	5.35E-09	2.83E-08	4.96E-10	3.41E-08	4.86E-09	1.48E-08	1.50E-10	1.98E-08
3143	469656.62	3819209.55	1.57E-08	6.09E-08	8.07E-10	7.74E-08	1.31E-08	4.47E-08	5.79E-10	5.84E-08	1.48E-09	7.84E-09	1.38E-10	9.46E-09	1.35E-09	4.10E-09	4.16E-11	5.49E-09
3144	469660.41	3819200.86	1.59E-08	6.16E-08	8.17E-10	7.83E-08	1.32E-08	4.53E-08	5.86E-10	5.91E-08	1.50E-09	7.93E-09	1.39E-10	9.57E-09	1.36E-09	4.15E-09	4.21E-11	5.56E-09
3145	469664.2	3819192.17	1.61E-08	6.25E-08	8.28E-10	7.94E-08	1.34E-08	4.59E-08	5.94E-10	5.99E-08	1.52E-09	8.04E-09	1.41E-10	9.70E-09	1.38E-09	4.21E-09	4.27E-11	5.64E-09
3146	469667.99	3819183.48	1.63E-08	6.34E-08	8.40E-10	8.06E-08	1.36E-08	4.66E-08	6.03E-10	6.08E-08	1.54E-09	8.16E-09	1.43E-10	9.85E-09	1.40E-09	4.27E-09	4.33E-11	5.72E-09
3147	469671.78	3819174.79	1.66E-08	6.45E-08	8.54E-10	8.19E-08	1.38E-08	4.74E-08	6.13E-10	6.18E-08	1.57E-09	8.30E-09	1.46E-10	1.00E-08	1.43E-09	4.34E-09	4.41E-11	5.82E-09
3148	469675.57	3819166.09	1.69E-08	6.56E-08	8.69E-10	8.34E-08	1.41E-08	4.82E-08	6.24E-10	6.29E-08	1.60E-09	8.45E-09	1.48E-10	1.02E-08	1.45E-09	4.42E-09	4.49E-11	5.92E-09
3149	469705.9	3819096.57	2.01E-08	7.80E-08	1.03E-09	9.91E-08	1.67E-08	5.73E-08	7.42E-10	7.48E-08	1.90E-09	1.00E-08	1.76E-10	1.21E-08	1.73E-09	5.26E-09	5.33E-11	7.04E-09
3150	469709.69	3819087.88	2.05E-08	7.97E-08	1.06E-09	1.01E-07	1.71E-08	5.86E-08	7.58E-10	7.64E-08	1.94E-09	1.03E-08	1.80E-10	1.24E-08	1.76E-09	5.37E-09	5.45E-11	7.19E-09
3151	469713.48	3819079.19	2.10E-08	8.14E-08	1.08E-09	1.03E-07	1.75E-08	5.98E-08	7.74E-10	7.81E-08	1.98E-09	1.05E-08	1.84E-10	1.26E-08	1.80E-09	5.49E-09	5.57E-11	7.35E-09
3152	469717.27	3819070.49	2.15E-08	8.33E-08	1.10E-09	1.06E-07	1.79E-08	6.12E-08	7.92E-10	7.99E-08	2.03E-09	1.07E-08	1.88E-10	1.29E-08	1.84E-09	5.61E-09	5.69E-11	7.51E-09
3153	469721.06	3819061.8	2.20E-08	8.52E-08	1.13E-09	1.08E-07	1.83E-08	6.26E-08	8.10E-10	8.17E-08	2.07E-09	1.10E-08	1.93E-10	1.32E-08	1.89E-09	5.74E-09	5.83E-11	7.69E-09
3154	469724.85	3819053.11	2.25E-08	8.72E-08	1.15E-09	1.11E-07	1.87E-08	6.40E-08	8.29E-10	8.36E-08	2.12E-09	1.12E-08	1.97E-10	1.35E-08	1.93E-09	5.88E-09	5.96E-11	7.86E-09
3155	469728.64	3819044.42	2.30E-08	8.91E-08	1.18E-09	1.13E-07	1.91E-08	6.55E-08	8.47E-10	8.54E-08	2.17E-09	1.15E-08	2.01E-10	1.38E-08	1.97E-09	6.00E-09	6.09E-11	8.04E-09
3156	469732.43	3819035.73	2.35E-08	9.10E-08	1.21E-09	1.16E-07	1.95E-08	6.69E-08	8.65E-10	8.73E-08	2.22E-09	1.17E-08	2.06E-10	1.41E-08	2.01E-09	6.13E-09	6.22E-11	8.21E-09
3157	469736.22	3819027.04	2.39E-08	9.29E-08	1.23E-09	1.18E-07	1.99E-08	6.82E-08	8.83E-10	8.91E-08	2.26E-09	1.20E-08	2.10E-10	1.44E-08	2.06E-09	6.26E-09	6.35E-11	8.38E-09
3158	469740.01	3819018.35	2.44E-08	9.47E-08	1.25E-09	1.20E-07	2.03E-08	6.96E-08	9.00E-10	9.08E-08	2.31E-09	1.22E-08	2.14E-10	1.47E-08	2.10E-09	6.38E-09	6.47E-11	8.54E-09
3159	469743.8	3819009.66	2.48E-08	9.64E-08	1.28E-09	1.22E-07	2.07E-08	7.08E-08	9.16E-10	9.24E-08	2.35E-09	1.24E-08	2.18E-10	1.50E-08	2.13E-09	6.50E-09	6.59E-11	8.69E-09
3160	469747.59	3819000.97	2.53E-08	9.79E-08	1.30E-09	1.24E-07	2.10E-08	7.20E-08	9.31E-10	9.39E-08	2.38E-09	1.26E-08	2.21E-10	1.52E-08	2.17E-09	6.60E-09	6.69E-11	8.84E-09
3161	469758.96	3818974.89	2.64E-08	1.02E-07	1.36E-09	1.30E-07	2.20E-08	7.53E-08	9.74E-10	9.83E-08	2.49E-09	1.32E-08	2.32E-10	1.59E-08	2.27E-09	6.91E-09	7.00E-11	9.24E-09
3162	469762.75	3818966.2	2.68E-08	1.04E-07	1.38E-09	1.32E-07	2.23E-08	7.63E-08	9.87E-10	9.96E-08	2.53E-09	1.34E-08	2.35E-10	1.61E-08	2.30E-09	7.00E-09	7.10E-11	9.37E-09
3163	469766.54	3818957.51	2.71E-08	1.05E-07	1.39E-09	1.34E-07	2.26E-08	7.72E-08	9.99E-10	1.01E-07	2.56E-09	1.35E-08	2.37E-10	1.63E-08	2.33E-09	7.08E-09	7.18E-11	9.48E-09
3164	469770.33	3818948.82	2.74E-08	1.06E-07	1.41E-09	1.35E-07	2.28E-08	7.81E-08	1.01E-09	1.02E-07	2.59E-09	1.37E-08	2.40E-10	1.65E-08	2.35E-09	7.16E-09	7.26E-11

3165	469774.12	3818940.13	2.77E-08	1.07E-07	1.42E-09	1.36E-07	2.30E-08	7.88E-08	1.02E-09	1.03E-07	2.61E-09	1.38E-08	2.42E-10	1.67E-08	2.37E-09	7.23E-09	7.33E-11	9.68E-09
3166	469777.91	3818931.44	2.79E-08	1.08E-07	1.43E-09	1.38E-07	2.32E-08	7.95E-08	1.03E-09	1.04E-07	2.64E-09	1.39E-08	2.45E-10	1.68E-08	2.40E-09	7.30E-09	7.40E-11	9.76E-09
3167	469781.7	3818922.75	2.81E-08	1.09E-07	1.44E-09	1.39E-07	2.34E-08	8.01E-08	1.04E-09	1.05E-07	2.66E-09	1.40E-08	2.46E-10	1.69E-08	2.41E-09	7.35E-09	7.45E-11	9.84E-09
3168	469785.49	3818914.06	2.83E-08	1.10E-07	1.45E-09	1.40E-07	2.36E-08	8.07E-08	1.04E-09	1.05E-07	2.67E-09	1.41E-08	2.48E-10	1.70E-08	2.43E-09	7.40E-09	7.50E-11	9.90E-09
3169	469798.1	3818901.88	2.93E-08	1.14E-07	1.51E-09	1.45E-07	2.44E-08	8.36E-08	1.08E-09	1.09E-07	2.77E-09	1.46E-08	2.57E-10	1.77E-08	2.52E-09	7.67E-09	7.77E-11	1.03E-08
3170	469806.91	3818898.38	3.02E-08	1.17E-07	1.55E-09	1.49E-07	2.52E-08	8.61E-08	1.11E-09	1.12E-07	2.85E-09	1.51E-08	2.65E-10	1.82E-08	2.59E-09	7.90E-09	8.01E-11	1.06E-08
3171	469815.73	3818894.89	3.11E-08	1.21E-07	1.60E-09	1.53E-07	2.59E-08	8.86E-08	1.15E-09	1.16E-07	2.94E-09	1.55E-08	2.72E-10	1.87E-08	2.67E-09	8.13E-09	8.24E-11	1.09E-08
3172	469824.54	3818891.4	3.20E-08	1.24E-07	1.64E-09	1.58E-07	2.66E-08	9.11E-08	1.18E-09	1.19E-07	3.02E-09	1.60E-08	2.80E-10	1.93E-08	2.75E-09	8.36E-09	8.48E-11	1.12E-08
3173	469842.17	3818884.42	3.37E-08	1.31E-07	1.73E-09	1.66E-07	2.81E-08	9.61E-08	1.24E-09	1.25E-07	3.19E-09	1.68E-08	2.96E-10	2.03E-08	2.90E-09	8.82E-09	8.94E-11	1.18E-08
3174	469850.99	3818880.93	3.46E-08	1.34E-07	1.78E-09	1.71E-07	2.88E-08	9.86E-08	1.28E-09	1.29E-07	3.27E-09	1.73E-08	3.03E-10	2.09E-08	2.97E-09	9.05E-09	9.18E-11	1.21E-08
3175	469859.8	3818877.44	3.55E-08	1.38E-07	1.82E-09	1.75E-07	2.95E-08	1.01E-07	1.31E-09	1.32E-07	3.35E-09	1.77E-08	3.11E-10	2.14E-08	3.05E-09	9.27E-09	9.40E-11	1.24E-08
3176	469868.62	3818873.94	3.63E-08	1.41E-07	1.87E-09	1.79E-07	3.02E-08	1.03E-07	1.34E-09	1.35E-07	3.43E-09	1.81E-08	3.18E-10	2.19E-08	3.12E-09	9.49E-09	9.62E-11	1.27E-08
3177	469877.43	3818870.45	3.71E-08	1.44E-07	1.91E-09	1.83E-07	3.09E-08	1.06E-07	1.37E-09	1.38E-07	3.51E-09	1.85E-08	3.25E-10	2.24E-08	3.19E-09	9.71E-09	9.85E-11	1.30E-08
3178	469886.25	3818866.96	3.80E-08	1.47E-07	1.95E-09	1.87E-07	3.16E-08	1.08E-07	1.40E-09	1.41E-07	3.59E-09	1.90E-08	3.33E-10	2.29E-08	3.26E-09	9.93E-09	1.01E-10	1.33E-08
3179	469895.06	3818863.47	3.88E-08	1.50E-07	1.99E-09	1.91E-07	3.23E-08	1.11E-07	1.43E-09	1.44E-07	3.66E-09	1.94E-08	3.40E-10	2.34E-08	3.33E-09	1.01E-08	1.03E-10	1.36E-08
3180	469903.88	3818859.98	3.96E-08	1.53E-07	2.03E-09	1.95E-07	3.30E-08	1.13E-07	1.46E-09	1.47E-07	3.74E-09	1.98E-08	3.47E-10	2.38E-08	3.40E-09	1.03E-08	1.05E-10	1.38E-08
3181	469912.69	3818856.49	4.03E-08	1.56E-07	2.07E-09	1.99E-07	3.36E-08	1.15E-07	1.49E-09	1.50E-07	3.81E-09	2.01E-08	3.53E-10	2.43E-08	3.46E-09	1.05E-08	1.07E-10	1.41E-08
3182	469921.51	3818853	4.10E-08	1.59E-07	2.11E-09	2.02E-07	3.42E-08	1.17E-07	1.51E-09	1.53E-07	3.87E-09	2.05E-08	3.60E-10	2.47E-08	3.52E-09	1.07E-08	1.09E-10	1.44E-08
3183	469930.32	3818849.5	4.17E-08	1.62E-07	2.14E-09	2.06E-07	3.48E-08	1.19E-07	1.54E-09	1.55E-07	3.94E-09	2.08E-08	3.66E-10	2.51E-08	3.58E-09	1.09E-08	1.11E-10	1.46E-08
3184	469939.14	3818846.01	4.24E-08	1.64E-07	2.18E-09	2.09E-07	3.53E-08	1.21E-07	1.56E-09	1.58E-07	4.00E-09	2.12E-08	3.72E-10	2.55E-08	3.64E-09	1.11E-08	1.12E-10	1.48E-08
3185	469947.95	3818842.52	4.30E-08	1.67E-07	2.21E-09	2.12E-07	3.59E-08	1.23E-07	1.59E-09	1.60E-07	4.06E-09	2.15E-08	3.77E-10	2.59E-08	3.70E-09	1.13E-08	1.14E-10	1.51E-08
3186	469956.77	3818839.03	4.37E-08	1.69E-07	2.24E-09	2.15E-07	3.64E-08	1.24E-07	1.61E-09	1.62E-07	4.12E-09	2.18E-08	3.83E-10	2.63E-08	3.75E-09	1.14E-08	1.16E-10	1.53E-08
3187	469965.58	3818835.54	4.43E-08	1.72E-07	2.28E-09	2.18E-07	3.69E-08	1.26E-07	1.63E-09	1.65E-07	4.18E-09	2.21E-08	3.88E-10	2.67E-08	3.80E-09	1.16E-08	1.17E-10	1.55E-08
3188	469974.4	3818832.05	4.49E-08	1.74E-07	2.31E-09	2.21E-07	3.74E-08	1.28E-07	1.66E-09	1.67E-07	4.24E-09	2.24E-08	3.94E-10	2.71E-08	3.86E-09	1.17E-08	1.19E-10	1.57E-08
3189	469983.22	3818828.56	4.55E-08	1.77E-07	2.34E-09	2.24E-07	3.79E-08	1.30E-07	1.68E-09	1.69E-07	4.30E-09	2.27E-08	3.99E-10	2.74E-08	3.91E-09	1.19E-08	1.21E-10	1.59E-08
3190	469992.03	3818825.07	4.61E-08	1.79E-07	2.37E-09	2.27E-07	3.84E-08	1.31E-07	1.70E-09	1.71E-07	4.35E-09	2.30E-08	4.04E-10	2.78E-08	3.95E-09	1.20E-08	1.22E-10	1.61E-08
3191	470000.85	3818821.57	4.65E-08	1.80E-07	2.39E-09	2.29E-07	3.88E-08	1.33E-07	1.72E-09	1.73E-07	4.39E-09	2.32E-08	4.08E-10	2.80E-08	4.00E-09	1.22E-08	1.23E-10	1.63E-08
3192	470009.66	3818818.08	4.70E-08	1.82E-07	2.41E-09	2.32E-07	3.91E-08	1.34E-07	1.73E-09	1.75E-07	4.44E-09	2.35E-08	4.12E-10	2.83E-08	4.03E-09	1.23E-08	1.25E-10	1.64E-08
3193	470018.48	3818814.59	4.74E-08	1.84E-07	2.43E-09	2.34E-07	3.95E-08	1.35E-07	1.75E-09	1.76E-07	4.47E-09	2.37E-08	4.15E-10	2.85E-08	4.07E-09	1.24E-08	1.26E-10	1.66E-08
3194	470027.29	3818811.1	4.78E-08	1.85E-07	2.45E-09	2.35E-07	3.98E-08	1.36E-07	1.76E-09	1.78E-07	4.51E-09	2.38E-08	4.18E-10	2.88E-08	4.10E-09	1.25E-08	1.27E-10	1.67E-08
3195	470044.92	3818804.12	4.83E-08	1.87E-07	2.48E-09	2.38E-07	4.03E-08	1.38E-07	1.78E-09	1.80E-07	4.56E-09	2.41E-08	4.24E-10	2.91E-08	4.15E-09	1.26E-08	1.28E-10	1.69E-08
3196	470053.74	3818800.63	4.85E-08	1.88E-07	2.49E-09	2.39E-07	4.04E-08	1.38E-07	1.79E-09	1.81E-07	4.58E-09	2.42E-08	4.25E-10	2.92E-08	4.17E-09	1.27E-08	1.29E-10	1.70E-08
3197	470062.55	3818797.13	4.87E-08	1.89E-07	2.50E-09	2.40E-07	4.06E-08	1.39E-07	1.80E-09	1.81E-07	4.60E-09	2.43E-08	4.27E-10	2.93E-08	4.18E-09	1.27E-08	1.29E-10	1.70E-08
3198	470071.37	3818793.64	4.88E-08	1.89E-07	2.51E-09	2.41E-07	4.06E-08	1.39E-07	1.80E-09	1.81E-07	4.61E-09	2.44E-08	4.28E-10	2.94E-08	4.19E-09	1.28E-08	1.29E-10	1.71E-08
3199	470080.18	3818790.15	4.88E-08	1.89E-07	2.51E-09	2.41E-07	4.07E-08	1.39E-07	1.80E-09	1.82E-07	4.61E-09	2.44E-08	4.28E-10	2.94E-08	4.19E-09	1.28E-08	1.29E-10	1.71E-08
3200	470089	3818786.66	4.88E-08	1.89E-07	2.51E-09	2.40E-07	4.06E-08	1.39E-07	1.80E-09	1.81E-07	4.61E-09	2.44E-08	4.27E-10	2.94E-08	4.19E-09	1.28E-08	1.29E-10	1.71E-08
3201	470097.81	3818783.17	4.87E-08	1.89E-07	2.50E-09	2.40E-07	4.05E-08	1.39E-07	1.80E-09	1.81E-07	4.60E-09	2.43E-08	4.27E-10	2.93E-08	4.18E-09	1.27E-08	1.29E-10	1.70E-08
3202	470106.63	3818779.68	4.85E-08	1.88E-07	2.49E-09	2.39E-07	4.04E-08	1.38E-07	1.79E-09	1.80E-07	4.58E-09	2.42E-08	4.25E-10	2.92E-08	4.16E-09	1.27E-08	1.29E-10	1.70E-08
3203	469616.67	3819208.65	1.33E-08	5.15E-08	6.82E-10	6.54E-08	1.11E-08	3.78E-08	4.89E-10	4.94E-08	1.25E-09	6.62E-09	1.16E-10	7.99E-09	1.14E-09	3.47E-09	3.52E-11	4.64E-09
3204	469620.48	3819199.92	1.34E-08	5.20E-08	6.88E-10	6.60E-08	1.12E-08	3.82E-08	4.94E-10	4.98E-08	1.26E-09	6.69E-09	1.17E-10	8.07E-09	1.15E-09	3.50E-09	3.55E-11	4.69E-09
3205	469624.29	3819191.18	1.35E-08	5.25E-08	6.96E-10	6.68E-08	1.13E-08	3.86E-08	5.00E-10	5.04E-08	1.28E-09	6.76E-09	1.19E-10	8.16E-09	1.16E-09	3.54E-09	3.59E-11	4.74E-09
3206	469628.1	3819182.44	1.37E-08	5.32E-08	7.05E-10	6.76E-08	1.14E-08	3.91E-08	5.06E-10	5.10E-08	1.30E-09	6.85E-09	1.20E-10	8.27E-09	1.18E-09	3.59E-09	3.64E-11	4.80E-09
3207	469631.92	3819173.7	1.39E-08	5.40E-08	7.15E-10	6.86E-08	1.16E-08	3.97E-08	5.13E-10	5.18E-08	1.31E-09	6.95E-09	1.22E-10	8.39E-09	1.20E-09	3.64E-09	3.69E-11	4.87E-09
3208	469635.73	3819164.96	1.42E-08	5.49E-08	7.27E-10	6.98E-08	1.18E-08	4.03E-08	5.22E-10	5.26E-08	1.34E-09	7.07E-09	1.24E-10	8.53E-09	1.21E-09	3.70E-09	3.75E-11	4.95E-09
3209	469639.54	3819156.23	1.44E-08	5.59E-08	7.40E-10	7.10E-08	1.20E-08	4.11E-08	5.31E-10	5.36E-08	1.36E-09	7.19E-09	1.26E-10	8.68E-09	1.24E-09	3.77E-09	3.82E-11	5.04E-09
3210	469643.35	3819147.49	1.47E-08	5.69E-08	7.54E-10	7.24E-08	1.22E-08	4.18E-08	5.41E-10	5.46E-08	1.39E-09	7.33E-09	1.29E-10	8.85E-09	1.26E-09	3.84E-09	3.89E-11	5.14E-09
3211	469647.16	3819138.75	1.50E-08	5.81E-08	7.70E-10	7.38E-08	1.25E-08	4.27E-08	5.52E-10	5.57E-08	1.41E-09	7.48E-09	1.31E-10	9.03E-09	1.29E-09	3.92E-09	3.97E-11	5.24E-09
3212	469650.97	3819130.01	1.53E-08	5.93E-08	7.86E-10	7.54E-08	1.27E-08	4.36E-08	5.64E-10	5.69E-08	1.44E-09	7.64E-09	1.34E-10	9.22E-09	1.31E-09	4.00E-09	4.06E-11	5.35E-09
3213	469654.78	3819121.27	1.56E-08	6.07E-08	8.04E-10	7.71E-08	1.30E-08	4.46E-08	5.77E-10	5.82E-08	1.48E-09	7.81E-09	1.37E-10	9.42E-09	1.34E-09	4.09E-09	4.15E-11	5.47E-09
3214	469658.59	3819112.53	1.60E-08	6.20E-08	8.22E-10	7.89E-08	1.33E-08	4.56E-08	5.90E-10	5.95E-08	1.51E-09	7.99E-09	1.40E-10	9.64E-09	1.37E-09	4.18E-09	4.24E-11	5.60E-09
3215	469662.4	3819103.8	1.63E-08	6.34E-08	8.40E-10	8.06E-08	1.36E-08	4.66E-08	6.03E-10	6.08E-08	1.54E-09	8.16E-09	1.43E-10	9.85E-09	1.40E-09	4.27E-09	4.33E-11	5.72E-09
3216	469666.21	3819095.06	1.67E-08	6.47E-08	8.57E-10	8.23E-08	1.39E-08	4.76E-08	6.15E-10	6.21E-08	1.58E-09	8.33E-09	1.46E-10	1.01E-08	1.43E-09	4.36E-09	4.42E-11	5.84E-09
3217	469670.02	3819086.32	1.70E-08	6.61E-08	8.75E-10	8.40E-08	1.42E-08	4.85E-08	6.28E-10	6.34E-08	1.61E-09	8.50E-09	1.49E-10	1.03E-08	1.46E-09	4.45E-09	4.52E-11	5.96E-09
3218	469673.83	3819077.58	1.74E-08	6.75E-08	8.94E-10	8.58E-08	1.45E-08	4.96E-08	6.42E-10	6.47E-08	1.64E-09	8.68E-09	1.52E-10	1.05E-08	1.49E-09	4.55E-09	4.61E-11	6.09E-09
3219	469677.64	3819068.84	1.78E-08	6.90E-08	9.14E-10	8.77E-08	1.48E-08	5.07E-08	6.56E-10	6.62E-08	1.68E-09	8.88E-09	1.56E-10	1.07E-08	1.53E-09	4.65E-09	4.72E-11	6.23E-09
3220	469704.32	3819007.68	2.06E-08	7.99E-08	1.06E-09	1.02E-07	1.72E-08	5.87E-08	7.60E-10	7.66E-08	1.94E-09	1.03E-08	1.80E-10	1.24E-08	1.77E-09	5.38E-09	5.46E-11	7.21E-09
3221	469708.13	3818998.94	2.10E-08	8.14E-08	1.08E-09	1.03E-07	1.75E-08	5.98E-08	7.74E-10	7.80E-08	1.98E-09	1.05E-08	1.84E-10	1.26E-08	1.80E-09	5.48E-09	5.56E-11	7.34E-09
3222	469715.75	3818981.46	2.17E-08	8.42E-08	1.12E-09	1.07E-07	1.81E-08	6.19E-08	8.01E-10	8.07E-08	2.05E-09	1.08E-08	1.90E-10	1.31E-08	1.86E-09	5.67E-09	5.75E-11	7.60E-09
3223	469719.56	3818972.72	2.21E-08	8.56E-08	1.13E-09	1.09E-07	1.84E-08	6.29E-08	8.14E-10	8.21E-08	2.08E-09	1.10E-08	1.93E-10	1.33E-08	1.89E-09	5.77E-09	5.85E-11	7.72E-09
3224	469723.37	3818963.99	2.24E-08	8.69E-08	1.15E-09	1.10E-07	1.87E-08	6.39E-08	8.27E-10	8.34E-08	2.12E-09	1.12E-08	1.96E-10	1.35E-08	1.92E-09	5.86E-09	5.94E-11	7.84E-09
3225	469727.19	3818955.25	2.27E-08	8.82E-08	1.17E-09	1.12E-07	1.89E-08	6.48E-08	8.39E-10	8.46E-08	2.15E-09	1.14E-08	1.99E-10	1.37E-08	1.95E-09	5.94E-09	6.03E-11	7.96E-09
3226	469731	3818946.51	2.30E-08	8.94E-08	1.18E-09	1.14E-07	1.92E-08	6.57E-08	8.50E-10	8.57E-08	2.18E-09	1.15E-08	2.02E-10	1.39E-08	1.98E-09	6.03E-09	6.11E-11	8.07E-09
3227	469734.81	3818937.77	2.33E-08	9.05E-08	1.20E-09	1.15E-07	1.94E-08	6.65E-08	8.61E-10	8.68E-08	2.20E-09	1.17E-08	2.05E-10	1.41E-08	2.00E-09	6.10E-09	6.19E-11	8.17E-09
3228	469738.62	3818929.03	2.36E-08	9.16E-08	1.21E-09	1.16E-07	1.97E-08	6.73E-08	8.71E-10	8.78E-08	2.23E-09	1.18E-08	2.07E-10	1.42E-08	2.03E-09	6.17E-09	6.26E-11	8.26E-09
3229	469742.43	3818920.29	2.38E-08	9.25E-08	1.23E-09	1.18E-07	1.99E-08	6.80E-08	8.79E-10	8.87E-08	2.25E-09	1.19E-08	2.09E-10	1.44E-08	2.05E-09	6.23E-09	6.32E-11	8.34E-09
3230	469746.24	3818911.56	2.40E-08	9.32E-08	1.23E-09	1.18E-07	2.00E-08	6.85E-08	8.86E-10	8.94E-08	2.27E-09	1.20E-08	2.11E-10	1.45E-08	2.06E-09	6.28E-09	6.37E-11	8.41E-09
3231	469750.05	3818902.82	2.42E-08	9.38E-08	1.24E-09	1.19E-07	2.02E-08	6.90E-08	8.92E-10	9.00E-08	2.29E-09	1.21E-08	2.12E-10	1.46E-08	2.08E-09	6.33E-09	6.41E-11	8.47E-09
3232	469753.86	3818894.08	2.44E-08	9.45E-08	1.25E-09	1.20E-07	2.03E-08	6.94E-08	8.98E-10	9.06E-08	2.30E-09	1.22E-08	2.13E-10	1.47E-08	2.09E-09	6.37E-09	6.46E-11	8.52E-09
3233	469757.67	3818885.34	2.45E-08	9.51E-08	1.26E-09	1.21E-07	2.04E-08	6.99E-08	9.04E-10	9.12E-08	2.31E-09	1.22E-08	2.15E-10	1.48E-08	2.10E-09	6.41E-09	6.50E-11	8.58E-09
3234	469770.35	3818873.09	2.54E-08	9.84E-08	1.30E-09	1.25E-07	2.11E-08	7.23E-08	9.35E-10	9.44E-08	2.40E-09	1.27E-08	2.22E-10	1.53E-08	2.18E-09	6.63E-09	6.72E-11	8.88E-09
3235	469779.21	3818869.58	2.61E-08	1.01E-07	1.34E-09	1.29E-07	2.17E-08	7.43E-08	9.62E-10	9.70E-08	2.46E-09	1.30E-08	2.29E-10	1.57E-08	2.24E-09	6.82E-09	6.92E-11	9.13E-09
3236	469788.07	3818866.07	2.68E-08	1.04E-07	1.38E-09	1.32E-07	2.23E-08	7.65E-08	9.90E-10	9.98E-08	2.53E-09	1.34E-08	2.35E-10	1.62E-08	2.30E-09	7.01E-09	7.11E-11	9.39E-09
3237	469796.94	3818862.56	2.76E-08	1.07E-07	1.42E-09	1.36E-07	2.30E-08	7.86E-08	1.02E-09	1.03E-07	2.60E-09	1.38E-08	2.42E-10	1.66E-08	2.37E-09	7.21E-09	7.31E-11	9.65E-09
3238	469805.8	3818859.05	2.83E-08	1.10E-07	1.46E-09	1.40E-07	2.36E-08	8.07E-08	1.04E-09	1.05E-07	2.67E-09	1.41E-08	2.48E-10	1.71E-08	2.43E-09	7.40E-09	7.51E-11	9.91E-09
3239	469814.66	3818855.54	2.90E-08	1.13E-07	1.49E-09	1.43E-07	2.42E-08	8.27E-08	1.07E-09	1.08E-07	2.74E-09	1.45E-08	2.54E-10	1.75E-08	2.49E-09	7.59E-09	7.70E-11	1.02E-08
3240	469823.52	3818852.03	2.97E-08	1.15E-07	1.53E-09	1.47E-07	2.48E-08	8.48E-08	1.10E-09	1.11E-07	2.81E-09	1.48E-08	2.61E-10	1.79E-08	2.55E-09	7.77E-09	7.88E-11	1.04E-08
3241	469850.11	3818841.5	3.18E-08	1.23E-07	1.63E-09	1.57E-07	2.65E-08	9.06E-08	1.17E-09	1.18E-07	3.00E-09	1.59E-08	2.79E-10	1.92E-08	2.73E-09	8.31E-09	8.43E-11	1.11E-08
3242	469858.98	3818837.99	3.25E-08	1.26E-07	1.67E-09	1.60E-07	2.70E-08	9.25E-08	1.20E-09	1.21E-07	3.07E-09	1.62E-08	2.84E-10	1.96E-08	2.79E-09	8.49E-09	8.61E-11	1.14E-08
3243	469867.84	3818834.48	3.31E-08	1.28E-07	1.70E-09	1.63E-07	2.76E-08	9.43E-08	1.22E-09	1.23E-07	3.13E-09	1.65E-08	2.90E-10	1.99E-08	2.84E-09	8.65E-09	8.77E-11	1.16E-08
3244	469876.7	3818830.97	3.37E-08	1.31E-07	1.73E-09	1.66E-07	2.81E-08	9.61E-08	1.24E-09	1.25E-07	3.18E-09	1.68E-08	2.96E-10	2.03E-08	2.90E-09	8.82E-09	8.94E-11	1.18E-08
3245	469885.57	3818827.46	3.43E-08	1.33E-07	1.76E-09	1.69E-07	2.86E-08	9.79E-08	1.27E-09	1.28E-07	3.24E-09	1.71E-08	3.01E-10	2.07E-08	2.95E-09	8.98E-09	9.10E-11	1.20E-08
3246	469894.43	3818823.95	3.49E-08	1.35E-07	1.79E-09	1.72E-07	2.91E-08	9.95E-08	1.29E-09	1.30E-07	3.30E-09	1.74E-08	3.06E-10	2.10E-08	3.00E-09	9.13E-09	9.26E-11	1.22E-08
3247	469903.29	3818820.44	3.55E-08	1.38E-07	1.82E-09	1.75E-07	2.96E-08	1.01E-07	1.31E-09	1.32E-07	3.35E-09	1.77E-08	3.11E-10	2.14E-08	3.05E-09	9.28E-09	9.41E-11	1.24E-08
3248	469912.16	3818816.93	3.61E-08	1.40E-07	1.86E-09	1.78E-07	3.01E-08	1.03E-07	1.33E-09	1.34E-07	3.41E-09	1.80E-08	3.16E-10	2.18E-08	3.10E-09	9.44E-09	9.57E-11	1.26E-08
3249	469921.02	3818813.42	3.67E-08	1.42E-07	1.89E-09	1.81E-07	3.06E-08	1.05E-07	1.35E-09	1.37E-07	3.47E-09	1.83E-08	3.22E-10	2.21E-08	3.15E-09	9.59E-09	9.73E-11	1.28E-08
3250	469929.88	3818809.91	3.73E-08	1.45E-07	1.91E-09	1.84E-07	3.10E-08	1.06E-07	1.37E-09	1.39E-07	3.52E-09	1.86E-08	3.27E-10	2.25E-08	3.20E-09	9.74E-09	9.88E-11	1.30E-08
3251	469938.75	3818806.4	3.78E-08	1.46E-07	1.94E-09	1.86E-07	3.15E-08	1.08E-07	1.39E-09	1.40E-07	3.57E-09	1.89E-08	3.31E-10	2.28E-08	3.24E-09	9.87E-09	1.00E-10	1.32E-08
3252	469947.61	3818802.89	3.82E-08	1.48E-07	1.97E-09	1.89E-07	3.19E-08	1.09E-07	1.41E-09	1.42E-07	3.61E-09	1.91E-08	3.35E-10	2.30E-08	3.28E-09	1.00E-08	1.01E-10	1.34E-08
3253	469956.47	3818799.38	3.87E-08	1.50E-07	1.99E-09	1.91E-07	3.22E-08	1.10E-07	1.43E-09	1.44E-07	3.66E-09	1.93E-08	3.39E-10	2.33E-08	3.32E-09	1.01E-08	1.03E-10	1.35E-08
3254	469965.33	3818795.87	3.92E-08	1.52E-07	2.01E-09	1.93E-07	3.26E-08	1.12E-07	1.44E-09	1.46E-07	3.70E-09	1.96E-08	3.43E-10	2.36E-08	3.36E-09	1.02E-08	1.04E-10	1.37E-08
3255	469974.2	3818792.36	3.96E-08	1.54E-07	2.04E-09	1.95E-07	3.30E-08	1.13E-07	1.46E-09	1.47E-07	3.74E-09	1.98E-08	3.47E-10	2.39E-08	3.40E-09	1.04E-08	1.05E-10	1.39E-08
3256	469983.06	3818788.85	4.00E-08	1.55E-07	2.06E-09	1.97E-07	3.33E-08	1.14E-07	1.48E-09	1.49E-07	3.78E-09	2.00E-08	3.51E-10	2.41E-08	3.44E-09	1.05E-08	1.06E-10	1.40E-08
3257	469991.92	3818785.33	4.04E-08	1.57E-07	2.08E-09	1.99E-07	3.37E-08	1.15E-07	1.49E-09	1.50E-07	3.82E-09	2.02E-08	3.54E-10	2.43E-08	3.47E-09	1.06E-08	1.07E-10	1.41E-08
3258	470000.79	3818781.82	4.07E-08	1.58E-07	2.09E-09	2.01E-07	3.39E-08	1.16E-07	1.50E-09	1.52E-07	3.85E-09	2.03E-08	3.57E-10	2.45E-08	3.50E-09	1.06E-08	1.08E-10	1.43E-08
3259	470009.65	3818778.31	4.10E-08	1.59E-07	2.11E-09	2.02E-07	3.42E-08	1.17E-07	1.51E-09	1.53E-07	3.88E-09	2.05E-08	3.60E-10	2.47E-08	3.52E-09	1.07E-08	1.09E-10	1.44E-08
3260	470018.51	3818774.8	4.13E-08	1.60E-07	2.12E-09	2.04E-07	3.44E-08	1.18E-07	1.52E-09	1.54E-07	3.90E-09	2.06E-08	3.62E-10	2.49E-08	3.55E-09	1.08E-08	1.10E-10	1.45

3261	470027.38	3818771.29	4.16E-08	1.61E-07	2.14E-09	2.05E-07	3.46E-08	1.19E-07	1.53E-09	1.55E-07	3.93E-09	2.08E-08	3.65E-10	2.51E-08	3.57E-09	1.09E-08	1.10E-10	1.46E-08
3262	470045.1	3818764.27	4.20E-08	1.63E-07	2.16E-09	2.07E-07	3.50E-08	1.20E-07	1.55E-09	1.56E-07	3.97E-09	2.10E-08	3.68E-10	2.53E-08	3.61E-09	1.10E-08	1.11E-10	1.47E-08
3263	470107.15	3818739.7	4.21E-08	1.63E-07	2.16E-09	2.08E-07	3.51E-08	1.20E-07	1.55E-09	1.57E-07	3.98E-09	2.10E-08	3.69E-10	2.54E-08	3.61E-09	1.10E-08	1.12E-10	1.47E-08
3264	469607.5	3819303.32	1.49E-08	5.77E-08	7.65E-10	7.34E-08	1.24E-08	4.24E-08	5.49E-10	5.54E-08	1.41E-09	7.43E-09	1.30E-10	8.97E-09	1.28E-09	3.89E-09	3.95E-11	5.21E-09
3265	469607.31	3819312.96	1.52E-08	5.90E-08	7.82E-10	7.50E-08	1.27E-08	4.34E-08	5.61E-10	5.66E-08	1.44E-09	7.60E-09	1.33E-10	9.17E-09	1.31E-09	3.98E-09	4.03E-11	5.33E-09
3266	469607.12	3819322.61	1.56E-08	6.04E-08	8.01E-10	7.68E-08	1.30E-08	4.44E-08	5.75E-10	5.80E-08	1.47E-09	7.78E-09	1.37E-10	9.39E-09	1.34E-09	4.07E-09	4.13E-11	5.45E-09
3267	469606.93	3819332.26	1.60E-08	6.19E-08	8.20E-10	7.87E-08	1.33E-08	4.55E-08	5.89E-10	5.94E-08	1.51E-09	7.97E-09	1.40E-10	9.62E-09	1.37E-09	4.17E-09	4.23E-11	5.59E-09
3268	469606.73	3819341.91	1.64E-08	6.35E-08	8.42E-10	8.08E-08	1.36E-08	4.67E-08	6.04E-10	6.09E-08	1.55E-09	8.18E-09	1.44E-10	9.87E-09	1.41E-09	4.28E-09	4.34E-11	5.73E-09
3269	469606.54	3819351.56	1.68E-08	6.52E-08	8.64E-10	8.29E-08	1.40E-08	4.79E-08	6.20E-10	6.26E-08	1.59E-09	8.40E-09	1.47E-10	1.01E-08	1.44E-09	4.40E-09	4.46E-11	5.89E-09
3270	469606.35	3819361.21	1.73E-08	6.71E-08	8.89E-10	8.53E-08	1.44E-08	4.93E-08	6.38E-10	6.43E-08	1.63E-09	8.63E-09	1.52E-10	1.04E-08	1.48E-09	4.52E-09	4.58E-11	6.05E-09
3271	469606.15	3819370.85	1.78E-08	6.90E-08	9.14E-10	8.77E-08	1.48E-08	5.07E-08	6.56E-10	6.62E-08	1.68E-09	8.88E-09	1.56E-10	1.07E-08	1.53E-09	4.65E-09	4.72E-11	6.23E-09
3272	469605.96	3819380.5	1.83E-08	7.11E-08	9.42E-10	9.04E-08	1.53E-08	5.22E-08	6.76E-10	6.82E-08	1.73E-09	9.15E-09	1.61E-10	1.10E-08	1.57E-09	4.79E-09	4.86E-11	6.41E-09
3273	469605.77	3819390.15	1.89E-08	7.33E-08	9.71E-10	9.31E-08	1.57E-08	5.38E-08	6.97E-10	7.03E-08	1.78E-09	9.43E-09	1.66E-10	1.14E-08	1.62E-09	4.94E-09	5.01E-11	6.61E-09
3274	469605.57	3819399.8	1.95E-08	7.56E-08	1.00E-09	9.61E-08	1.62E-08	5.55E-08	7.19E-10	7.25E-08	1.84E-09	9.73E-09	1.71E-10	1.17E-08	1.67E-09	5.09E-09	5.17E-11	6.82E-09
3275	469605.38	3819409.45	2.01E-08	7.81E-08	1.03E-09	9.92E-08	1.68E-08	5.74E-08	7.42E-10	7.49E-08	1.90E-09	1.00E-08	1.76E-10	1.21E-08	1.73E-09	5.26E-09	5.34E-11	7.04E-09
3276	469605.19	3819419.09	2.08E-08	8.08E-08	1.07E-09	1.03E-07	1.73E-08	5.93E-08	7.68E-10	7.75E-08	1.97E-09	1.04E-08	1.82E-10	1.25E-08	1.79E-09	5.44E-09	5.52E-11	7.29E-09
3277	469604.99	3819428.74	2.16E-08	8.36E-08	1.11E-09	1.06E-07	1.80E-08	6.14E-08	7.95E-10	8.02E-08	2.04E-09	1.08E-08	1.89E-10	1.30E-08	1.85E-09	5.63E-09	5.71E-11	7.54E-09
3278	469604.8	3819438.39	2.23E-08	8.65E-08	1.15E-09	1.10E-07	1.86E-08	6.36E-08	8.23E-10	8.30E-08	2.11E-09	1.11E-08	1.95E-10	1.34E-08	1.91E-09	5.83E-09	5.91E-11	7.81E-09
3279	469576.72	3819207.77	1.14E-08	4.44E-08	5.88E-10	5.64E-08	9.52E-09	3.26E-08	4.22E-10	4.25E-08	1.08E-09	5.71E-09	1.00E-10	6.89E-09	9.82E-10	2.99E-09	3.03E-11	4.00E-09
3280	469580.54	3819198.99	1.15E-08	4.47E-08	5.92E-10	5.68E-08	9.60E-09	3.28E-08	4.25E-10	4.29E-08	1.09E-09	5.75E-09	1.01E-10	6.94E-09	9.89E-10	3.01E-09	3.05E-11	4.03E-09
3281	469584.37	3819190.21	1.16E-08	4.51E-08	5.97E-10	5.73E-08	9.69E-09	3.31E-08	4.29E-10	4.33E-08	1.10E-09	5.81E-09	1.02E-10	7.01E-09	9.98E-10	3.04E-09	3.08E-11	4.07E-09
3282	469588.2	3819181.44	1.18E-08	4.56E-08	6.04E-10	5.80E-08	9.79E-09	3.35E-08	4.34E-10	4.37E-08	1.11E-09	5.87E-09	1.03E-10	7.08E-09	1.01E-09	3.07E-09	3.12E-11	4.11E-09
3283	469592.03	3819172.66	1.19E-08	4.61E-08	6.11E-10	5.87E-08	9.91E-09	3.39E-08	4.39E-10	4.43E-08	1.12E-09	5.94E-09	1.04E-10	7.17E-09	1.02E-09	3.11E-09	3.15E-11	4.16E-09
3284	469595.86	3819163.88	1.21E-08	4.68E-08	6.20E-10	5.94E-08	1.00E-08	3.44E-08	4.45E-10	4.48E-08	1.14E-09	6.02E-09	1.06E-10	7.26E-09	1.04E-09	3.15E-09	3.20E-11	4.22E-09
3285	469599.69	3819155.1	1.22E-08	4.75E-08	6.29E-10	6.03E-08	1.02E-08	3.49E-08	4.51E-10	4.55E-08	1.16E-09	6.11E-09	1.07E-10	7.37E-09	1.05E-09	3.20E-09	3.24E-11	4.28E-09
3286	469603.51	3819146.32	1.24E-08	4.82E-08	6.39E-10	6.13E-08	1.04E-08	3.54E-08	4.59E-10	4.63E-08	1.17E-09	6.21E-09	1.09E-10	7.49E-09	1.07E-09	3.25E-09	3.30E-11	4.35E-09
3287	469607.34	3819137.54	1.27E-08	4.91E-08	6.50E-10	6.24E-08	1.05E-08	3.61E-08	4.67E-10	4.71E-08	1.19E-09	6.32E-09	1.11E-10	7.62E-09	1.09E-09	3.31E-09	3.35E-11	4.43E-09
3288	469611.17	3819128.76	1.29E-08	5.00E-08	6.62E-10	6.35E-08	1.07E-08	3.67E-08	4.75E-10	4.79E-08	1.22E-09	6.43E-09	1.13E-10	7.76E-09	1.11E-09	3.37E-09	3.42E-11	4.51E-09
3289	469615	3819119.98	1.31E-08	5.09E-08	6.75E-10	6.47E-08	1.09E-08	3.74E-08	4.84E-10	4.89E-08	1.24E-09	6.56E-09	1.15E-10	7.91E-09	1.13E-09	3.43E-09	3.48E-11	4.60E-09
3290	469618.83	3819111.21	1.34E-08	5.20E-08	6.88E-10	6.61E-08	1.12E-08	3.82E-08	4.94E-10	4.98E-08	1.27E-09	6.69E-09	1.17E-10	8.07E-09	1.15E-09	3.50E-09	3.55E-11	4.69E-09
3291	469622.66	3819102.43	1.37E-08	5.31E-08	7.03E-10	6.74E-08	1.14E-08	3.90E-08	5.04E-10	5.09E-08	1.29E-09	6.83E-09	1.20E-10	8.24E-09	1.17E-09	3.58E-09	3.63E-11	4.79E-09
3292	469626.49	3819093.65	1.40E-08	5.42E-08	7.18E-10	6.89E-08	1.16E-08	3.98E-08	5.15E-10	5.20E-08	1.32E-09	6.97E-09	1.22E-10	8.42E-09	1.20E-09	3.65E-09	3.70E-11	4.89E-09
3293	469630.31	3819084.87	1.43E-08	5.54E-08	7.33E-10	7.04E-08	1.19E-08	4.07E-08	5.26E-10	5.31E-08	1.35E-09	7.13E-09	1.25E-10	8.60E-09	1.23E-09	3.73E-09	3.78E-11	5.00E-09
3294	469634.14	3819076.09	1.46E-08	5.66E-08	7.50E-10	7.19E-08	1.22E-08	4.16E-08	5.38E-10	5.43E-08	1.38E-09	7.29E-09	1.28E-10	8.79E-09	1.25E-09	3.81E-09	3.87E-11	5.11E-09
3295	469637.97	3819067.31	1.49E-08	5.78E-08	7.66E-10	7.35E-08	1.24E-08	4.25E-08	5.50E-10	5.55E-08	1.41E-09	7.45E-09	1.31E-10	8.99E-09	1.28E-09	3.90E-09	3.95E-11	5.22E-09
3296	469641.8	3819058.53	1.53E-08	5.91E-08	7.84E-10	7.52E-08	1.27E-08	4.35E-08	5.62E-10	5.67E-08	1.44E-09	7.61E-09	1.34E-10	9.19E-09	1.31E-09	3.99E-09	4.04E-11	5.34E-09
3297	469645.63	3819049.75	1.56E-08	6.05E-08	8.01E-10	7.68E-08	1.30E-08	4.44E-08	5.75E-10	5.80E-08	1.47E-09	7.78E-09	1.37E-10	9.39E-09	1.34E-09	4.07E-09	4.13E-11	5.45E-09
3298	469649.46	3819040.97	1.59E-08	6.17E-08	8.18E-10	7.85E-08	1.33E-08	4.54E-08	5.87E-10	5.92E-08	1.50E-09	7.95E-09	1.39E-10	9.59E-09	1.37E-09	4.16E-09	4.22E-11	5.57E-09
3299	469653.29	3819032.2	1.62E-08	6.30E-08	8.34E-10	8.01E-08	1.35E-08	4.63E-08	5.99E-10	6.04E-08	1.53E-09	8.11E-09	1.42E-10	9.78E-09	1.39E-09	4.25E-09	4.30E-11	5.68E-09
3300	469657.11	3819023.42	1.66E-08	6.42E-08	8.51E-10	8.16E-08	1.38E-08	4.72E-08	6.11E-10	6.16E-08	1.56E-09	8.27E-09	1.45E-10	9.98E-09	1.42E-09	4.33E-09	4.39E-11	5.79E-09
3301	469660.94	3819014.64	1.69E-08	6.55E-08	8.68E-10	8.32E-08	1.41E-08	4.81E-08	6.23E-10	6.28E-08	1.59E-09	8.43E-09	1.48E-10	1.02E-08	1.45E-09	4.41E-09	4.48E-11	5.91E-09
3302	469664.77	3819005.86	1.72E-08	6.68E-08	8.85E-10	8.49E-08	1.44E-08	4.91E-08	6.35E-10	6.41E-08	1.63E-09	8.60E-09	1.51E-10	1.04E-08	1.48E-09	4.50E-09	4.57E-11	6.03E-09
3303	469668.6	3818997.08	1.76E-08	6.82E-08	9.03E-10	8.66E-08	1.46E-08	5.01E-08	6.48E-10	6.54E-08	1.66E-09	8.78E-09	1.54E-10	1.06E-08	1.51E-09	4.59E-09	4.66E-11	6.15E-09
3304	469672.43	3818988.3	1.79E-08	6.95E-08	9.20E-10	8.83E-08	1.49E-08	5.11E-08	6.61E-10	6.66E-08	1.69E-09	8.94E-09	1.57E-10	1.08E-08	1.54E-09	4.68E-09	4.75E-11	6.27E-09
3305	469676.26	3818979.52	1.83E-08	7.10E-08	9.40E-10	9.02E-08	1.52E-08	5.22E-08	6.75E-10	6.81E-08	1.73E-09	9.14E-09	1.60E-10	1.10E-08	1.57E-09	4.78E-09	4.85E-11	6.40E-09
3306	469706.89	3818909.29	2.05E-08	7.94E-08	1.05E-09	1.01E-07	1.71E-08	5.84E-08	7.55E-10	7.62E-08	1.93E-09	1.02E-08	1.79E-10	1.23E-08	1.76E-09	5.35E-09	5.43E-11	7.16E-09
3307	469710.71	3818900.51	2.07E-08	8.02E-08	1.06E-09	1.02E-07	1.72E-08	5.89E-08	7.62E-10	7.69E-08	1.95E-09	1.03E-08	1.81E-10	1.25E-08	1.77E-09	5.40E-09	5.48E-11	7.23E-09
3308	469714.54	3818891.73	2.09E-08	8.09E-08	1.07E-09	1.03E-07	1.74E-08	5.94E-08	7.69E-10	7.76E-08	1.97E-09	1.04E-08	1.83E-10	1.26E-08	1.79E-09	5.45E-09	5.53E-11	7.30E-09
3309	469718.37	3818882.96	2.10E-08	8.16E-08	1.08E-09	1.04E-07	1.75E-08	6.00E-08	7.76E-10	7.83E-08	1.99E-09	1.05E-08	1.84E-10	1.27E-08	1.81E-09	5.50E-09	5.58E-11	7.36E-09
3310	469722.2	3818874.18	2.12E-08	8.22E-08	1.09E-09	1.05E-07	1.77E-08	6.04E-08	7.82E-10	7.89E-08	2.00E-09	1.06E-08	1.86E-10	1.28E-08	1.82E-09	5.54E-09	5.62E-11	7.42E-09
3311	469726.03	3818865.4	2.14E-08	8.28E-08	1.10E-09	1.05E-07	1.78E-08	6.08E-08	7.87E-10	7.94E-08	2.02E-09	1.07E-08	1.87E-10	1.29E-08	1.83E-09	5.58E-09	5.66E-11	7.47E-09
3312	469729.86	3818856.62	2.15E-08	8.32E-08	1.10E-09	1.06E-07	1.79E-08	6.12E-08	7.91E-10	7.98E-08	2.03E-09	1.07E-08	1.88E-10	1.29E-08	1.84E-09	5.61E-09	5.69E-11	7.51E-09
3313	469742.59	3818844.31	2.22E-08	8.60E-08	1.14E-09	1.09E-07	1.85E-08	6.32E-08	8.18E-10	8.25E-08	2.09E-09	1.11E-08	1.94E-10	1.34E-08	1.90E-09	5.80E-09	5.88E-11	7.76E-09
3314	469751.49	3818840.79	2.28E-08	8.84E-08	1.17E-09	1.12E-07	1.90E-08	6.50E-08	8.41E-10	8.48E-08	2.15E-09	1.14E-08	2.00E-10	1.37E-08	1.96E-09	5.96E-09	6.04E-11	7.97E-09
3315	469760.4	3818837.26	2.34E-08	9.07E-08	1.20E-09	1.15E-07	1.95E-08	6.67E-08	8.63E-10	8.70E-08	2.21E-09	1.17E-08	2.05E-10	1.41E-08	2.01E-09	6.12E-09	6.20E-11	8.19E-09
3316	469769.3	3818833.73	2.40E-08	9.30E-08	1.23E-09	1.18E-07	2.00E-08	6.84E-08	8.85E-10	8.92E-08	2.27E-09	1.20E-08	2.10E-10	1.45E-08	2.06E-09	6.27E-09	6.36E-11	8.39E-09
3317	469778.21	3818830.21	2.46E-08	9.53E-08	1.26E-09	1.21E-07	2.05E-08	7.00E-08	9.06E-10	9.14E-08	2.32E-09	1.23E-08	2.15E-10	1.48E-08	2.11E-09	6.42E-09	6.51E-11	8.60E-09
3318	469787.11	3818826.68	2.52E-08	9.75E-08	1.29E-09	1.24E-07	2.09E-08	7.17E-08	9.28E-10	9.36E-08	2.37E-09	1.26E-08	2.20E-10	1.52E-08	2.16E-09	6.57E-09	6.67E-11	8.80E-09
3319	469796.02	3818823.15	2.57E-08	9.98E-08	1.32E-09	1.27E-07	2.14E-08	7.33E-08	9.49E-10	9.57E-08	2.43E-09	1.28E-08	2.26E-10	1.55E-08	2.21E-09	6.73E-09	6.82E-11	9.01E-09
3320	469804.92	3818819.63	2.63E-08	1.02E-07	1.35E-09	1.30E-07	2.19E-08	7.50E-08	9.71E-10	9.79E-08	2.49E-09	1.31E-08	2.31E-10	1.59E-08	2.26E-09	6.88E-09	6.98E-11	9.21E-09
3321	469813.82	3818816.1	2.69E-08	1.04E-07	1.38E-09	1.33E-07	2.24E-08	7.66E-08	9.92E-10	1.00E-07	2.54E-09	1.34E-08	2.36E-10	1.62E-08	2.31E-09	7.03E-09	7.13E-11	9.41E-09
3322	469822.73	3818812.57	2.74E-08	1.06E-07	1.41E-09	1.35E-07	2.29E-08	7.82E-08	1.01E-09	1.02E-07	2.59E-09	1.37E-08	2.41E-10	1.65E-08	2.36E-09	7.18E-09	7.28E-11	9.60E-09
3323	469849.44	3818801.99	2.90E-08	1.13E-07	1.49E-09	1.43E-07	2.42E-08	8.28E-08	1.07E-09	1.08E-07	2.74E-09	1.45E-08	2.54E-10	1.75E-08	2.49E-09	7.59E-09	7.70E-11	1.02E-08
3324	469858.35	3818798.47	2.96E-08	1.15E-07	1.52E-09	1.46E-07	2.46E-08	8.42E-08	1.09E-09	1.10E-07	2.79E-09	1.48E-08	2.59E-10	1.78E-08	2.54E-09	7.73E-09	7.84E-11	1.03E-08
3325	469867.25	3818794.94	3.01E-08	1.17E-07	1.54E-09	1.48E-07	2.50E-08	8.57E-08	1.11E-09	1.12E-07	2.84E-09	1.50E-08	2.63E-10	1.81E-08	2.58E-09	7.86E-09	7.97E-11	1.05E-08
3326	469876.15	3818791.41	3.05E-08	1.18E-07	1.57E-09	1.50E-07	2.54E-08	8.70E-08	1.13E-09	1.14E-07	2.88E-09	1.52E-08	2.67E-10	1.84E-08	2.62E-09	7.98E-09	8.09E-11	1.07E-08
3327	469885.06	3818787.89	3.10E-08	1.20E-07	1.59E-09	1.53E-07	2.58E-08	8.83E-08	1.14E-09	1.15E-07	2.93E-09	1.55E-08	2.72E-10	1.87E-08	2.66E-09	8.10E-09	8.22E-11	1.08E-08
3328	469893.96	3818784.36	3.14E-08	1.22E-07	1.62E-09	1.55E-07	2.62E-08	8.96E-08	1.16E-09	1.17E-07	2.97E-09	1.57E-08	2.76E-10	1.89E-08	2.70E-09	8.22E-09	8.34E-11	1.10E-08
3329	469902.87	3818780.83	3.20E-08	1.24E-07	1.64E-09	1.58E-07	2.67E-08	9.12E-08	1.18E-09	1.19E-07	3.02E-09	1.60E-08	2.80E-10	1.93E-08	2.75E-09	8.37E-09	8.48E-11	1.12E-08
3330	469911.77	3818777.31	3.25E-08	1.26E-07	1.67E-09	1.60E-07	2.70E-08	9.25E-08	1.20E-09	1.21E-07	3.07E-09	1.62E-08	2.85E-10	1.96E-08	2.79E-09	8.49E-09	8.61E-11	1.14E-08
3331	469920.68	3818773.78	3.29E-08	1.28E-07	1.69E-09	1.62E-07	2.74E-08	9.38E-08	1.21E-09	1.22E-07	3.11E-09	1.64E-08	2.88E-10	1.98E-08	2.83E-09	8.61E-09	8.73E-11	1.15E-08
3332	469929.58	3818770.25	3.33E-08	1.29E-07	1.71E-09	1.64E-07	2.78E-08	9.50E-08	1.23E-09	1.24E-07	3.15E-09	1.66E-08	2.92E-10	2.01E-08	2.86E-09	8.71E-09	8.84E-11	1.17E-08
3333	469938.49	3818766.73	3.37E-08	1.31E-07	1.73E-09	1.66E-07	2.81E-08	9.61E-08	1.24E-09	1.25E-07	3.18E-09	1.68E-08	2.95E-10	2.03E-08	2.89E-09	8.81E-09	8.94E-11	1.18E-08
3334	469947.39	3818763.2	3.41E-08	1.32E-07	1.75E-09	1.68E-07	2.84E-08	9.71E-08	1.26E-09	1.27E-07	3.22E-09	1.70E-08	2.99E-10	2.05E-08	2.93E-09	8.91E-09	9.04E-11	1.19E-08
3335	470054.24	3818720.88	3.71E-08	1.44E-07	1.91E-09	1.83E-07	3.09E-08	1.06E-07	1.37E-09	1.38E-07	3.50E-09	1.85E-08	3.25E-10	2.23E-08	3.18E-09	9.70E-09	9.83E-11	1.30E-08
3336	470063.15	3818717.35	3.72E-08	1.44E-07	1.91E-09	1.83E-07	3.10E-08	1.06E-07	1.37E-09	1.38E-07	3.51E-09	1.86E-08	3.26E-10	2.24E-08	3.19E-09	9.71E-09	9.85E-11	1.30E-08
3337	470072.05	3818713.83	3.72E-08	1.44E-07	1.91E-09	1.83E-07	3.10E-08	1.06E-07	1.37E-09	1.38E-07	3.51E-09	1.86E-08	3.26E-10	2.24E-08	3.19E-09	9.72E-09	9.86E-11	1.30E-08
3338	470080.96	3818710.3	3.72E-08	1.44E-07	1.91E-09	1.83E-07	3.09E-08	1.06E-07	1.37E-09	1.38E-07	3.51E-09	1.86E-08	3.26E-10	2.24E-08	3.19E-09	9.71E-09	9.85E-11	1.30E-08
3339	470089.86	3818706.77	3.71E-08	1.44E-07	1.91E-09	1.83E-07	3.09E-08	1.06E-07	1.37E-09	1.38E-07	3.50E-09	1.85E-08	3.25E-10	2.23E-08	3.18E-09	9.70E-09	9.83E-11	1.30E-08
3340	470098.76	3818703.25	3.70E-08	1.43E-07	1.90E-09	1.82E-07	3.08E-08	1.05E-07	1.36E-09	1.38E-07	3.49E-09	1.85E-08	3.24E-10	2.23E-08	3.17E-09	9.67E-09	9.80E-11	1.29E-08
3341	470107.67	3818699.72	3.68E-08	1.43E-07	1.89E-09	1.81E-07	3.07E-08	1.05E-07	1.36E-09	1.37E-07	3.48E-09	1.84E-08	3.23E-10	2.22E-08	3.16E-09	9.62E-09	9.76E-11	1.29E-08
3342	469567.71	3819292.87	1.26E-08	4.89E-08	6.47E-10	6.21E-08	1.05E-08	3.59E-08	4.65E-10	4.69E-08	1.19E-09	6.29E-09	1.10E-10	7.59E-09	1.08E-09	3.29E-09	3.34E-11	4.41E-09
3343	469567.51	3819302.52	1.28E-08	4.98E-08	6.60E-10	6.33E-08	1.07E-08	3.66E-08	4.74E-10	4.78E-08	1.21E-09	6.41E-09	1.13E-10	7.74E-09	1.10E-09	3.36E-09	3.41E-11	4.50E-09
3344	469567.32	3819312.16	1.31E-08	5.09E-08	6.74E-10	6.47E-08	1.09E-08	3.74E-08	4.84E-10	4.88E-08	1.24E-09	6.55E-09	1.15E-10	7.90E-09	1.13E-09	3.43E-09	3.48E-11	4.59E-09
3345	469567.13	3819321.81	1.34E-08	5.20E-08	6.89E-10	6.61E-08	1.12E-08	3.82E-08	4.94E-10	4.99E-08	1.27E-09	6.69E-09	1.17E-10	8.08E-09	1.15E-09	3.50E-09	3.55E-11	4.69E-09
3346	469566.93	3819331.46	1.37E-08	5.32E-08	7.05E-10	6.76E-08	1.14E-08	3.91E-08	5.06E-10	5.10E-08	1.30E-09	6.85E-09	1.20E-10	8.26E-09	1.18E-09	3.59E-09	3.64E-11	4.80E-09
3347	469566.74	3819341.11	1.41E-08	5.45E-08	7.22E-10	6.93E-08	1.17E-08	4.00E-08	5.18E-10	5.23E-08	1.33E-09	7.01E-09	1.23E-10	8.46E-09	1.21E-09	3.67E-09	3.72E-11	4.92E-09
3348	469566.55	3819350.76	1.44E-08	5.59E-08	7.40E-10	7.10E-08	1.20E-08	4.10E-08	5.31E-10	5.36E-08	1.36E-09	7.19E-09	1.26E-10	8.68E-09	1.24E-09	3.77E-09	3.82E-11	5.04E-09
3349	469566.35	3819360.4	1.48E-08	5.73E-08	7.59E-10	7.28E-08	1.23E-08	4.21E-08	5.45E-10	5.50E-08	1.40E-09	7.38E-09	1.29E-10	8.90E-09	1.27E-09	3.86E-09	3.92E-11	5.17E-09
3350	469566.16	3819370.05	1.52E-08	5.89E-08	7.80E-10	7.48E-08	1.26E-08	4.33E-08	5.60E-10	5.65E-08	1.43E-09	7.58E-09	1.33E-10	9.14E-09	1.30E-09	3.97E-09	4.02E-11	5.31E-09
3351	469565.97	3819379.7	1.56E-08	6.05E-08	8.01E-10	7.69E-08	1.30E-08	4.45E-08	5.75E-10	5.80E-08	1.47E-09	7.79E-09	1.37E-10	9.40E-09	1.34E-09	4.08E-09	4.14E-11	5.46E-09
3352	469565.77	3819389.35	1.60E-08	6.22E-08	8.24E-10	7.91E-08	1.34E-08	4.57E-08	5.92E-10	5.97E-08	1.51E-09	8.01E-09	1.41E-10	9.66E-09	1.38E-09	4.19E-09	4.25E-11	5.61E-09
3353	469565.58	3819399	1.65E-08	6.40E-08	8.48E-10	8.14E-08	1.38E-08	4.71E-08	6.09E-10	6.14E-08	1.56E-09	8.24E-09	1.45E-10	9.95E-09	1.42E-09	4.32E-09	4.38E-11	5.78E-09
3354	469565.39	3819408.65	1.70E-08	6.60E-08	8.74E-10	8.39E-08	1.42E-08	4.85E-08	6.27E-10	6.33E-08	1.61E-09	8.49E-09	1.49E-10	1.02E-08	1.46E-09	4.45E-09	4.51E-11	5.95E-09
3355	469565.19	3819418.29	1.76E-08	6.81E-08	9.02E-10	8.66E-08	1.46E-08	5.00E-08	6.48E-10	6.53E-08	1.66E-09	8.77E-09	1.54E-10	1.06E-08	1.51E-09	4.59E-09	4.66E-11	6.15E-09
3356	469565	3819427.94	1.81E-08	7.04E-08	9.32E-10	8.94E-08	1.51E-08	5.17E-08	6.69E-10	6.75E-08	1.71E-09	9.06E-09	1.59E-10	1.09E-08	1.56E-09	4.74E-09	4.81E-11	6.35

3357	469564.81	3819437.59	1.87E-08	7.27E-08	9.63E-10	9.24E-08	1.56E-08	5.34E-08	6.91E-10	6.97E-08	1.77E-09	9.36E-09	1.64E-10	1.13E-08	1.61E-09	4.90E-09	4.97E-11	6.56E-09
3358	469536.75	3819206.9	9.96E-09	3.86E-08	5.12E-10	4.91E-08	8.30E-09	2.84E-08	3.67E-10	3.70E-08	9.40E-10	4.97E-09	8.73E-11	6.00E-09	8.55E-10	2.60E-09	2.64E-11	3.48E-09
3359	469540.6	3819198.09	1.00E-08	3.89E-08	5.15E-10	4.94E-08	8.35E-09	2.86E-08	3.70E-10	3.73E-08	9.46E-10	5.00E-09	8.78E-11	6.04E-09	8.60E-10	2.62E-09	2.66E-11	3.51E-09
3360	469544.44	3819189.27	1.01E-08	3.92E-08	5.19E-10	4.98E-08	8.41E-09	2.88E-08	3.72E-10	3.76E-08	9.53E-10	5.04E-09	8.85E-11	6.08E-09	8.67E-10	2.64E-09	2.68E-11	3.53E-09
3361	469548.29	3819180.46	1.02E-08	3.95E-08	5.23E-10	5.02E-08	8.49E-09	2.90E-08	3.76E-10	3.79E-08	9.62E-10	5.09E-09	8.93E-11	6.14E-09	8.75E-10	2.66E-09	2.70E-11	3.56E-09
3362	469552.13	3819171.64	1.03E-08	3.99E-08	5.29E-10	5.07E-08	8.57E-09	2.93E-08	3.80E-10	3.83E-08	9.72E-10	5.14E-09	9.02E-11	6.20E-09	8.83E-10	2.69E-09	2.73E-11	3.60E-09
3363	469555.97	3819162.83	1.04E-08	4.04E-08	5.35E-10	5.13E-08	8.67E-09	2.97E-08	3.84E-10	3.87E-08	9.83E-10	5.20E-09	9.12E-11	6.27E-09	8.93E-10	2.72E-09	2.76E-11	3.64E-09
3364	469559.82	3819154.02	1.05E-08	4.09E-08	5.41E-10	5.19E-08	8.78E-09	3.00E-08	3.89E-10	3.92E-08	9.95E-10	5.26E-09	9.23E-11	6.35E-09	9.05E-10	2.75E-09	2.79E-11	3.69E-09
3365	469563.66	3819145.2	1.07E-08	4.14E-08	5.49E-10	5.27E-08	8.90E-09	3.05E-08	3.94E-10	3.97E-08	1.01E-09	5.34E-09	9.36E-11	6.44E-09	9.17E-10	2.79E-09	2.83E-11	3.74E-09
3366	469567.51	3819136.39	1.09E-08	4.21E-08	5.58E-10	5.35E-08	9.04E-09	3.09E-08	4.00E-10	4.04E-08	1.02E-09	5.42E-09	9.51E-11	6.54E-09	9.32E-10	2.84E-09	2.88E-11	3.80E-09
3367	469571.35	3819127.57	1.10E-08	4.28E-08	5.67E-10	5.44E-08	9.19E-09	3.14E-08	4.07E-10	4.10E-08	1.04E-09	5.51E-09	9.67E-11	6.65E-09	9.47E-10	2.88E-09	2.93E-11	3.86E-09
3368	469575.19	3819118.76	1.12E-08	4.35E-08	5.77E-10	5.54E-08	9.35E-09	3.20E-08	4.14E-10	4.18E-08	1.06E-09	5.61E-09	9.84E-11	6.76E-09	9.64E-10	2.94E-09	2.98E-11	3.93E-09
3369	469579.04	3819109.95	1.14E-08	4.44E-08	5.88E-10	5.64E-08	9.52E-09	3.26E-08	4.22E-10	4.25E-08	1.08E-09	5.71E-09	1.00E-10	6.89E-09	9.82E-10	2.99E-09	3.03E-11	4.00E-09
3370	469582.88	3819101.13	1.17E-08	4.52E-08	5.99E-10	5.74E-08	9.70E-09	3.32E-08	4.30E-10	4.33E-08	1.10E-09	5.82E-09	1.02E-10	7.02E-09	1.00E-09	3.05E-09	3.09E-11	4.08E-09
3371	469586.73	3819092.32	1.19E-08	4.60E-08	6.10E-10	5.85E-08	9.89E-09	3.38E-08	4.38E-10	4.42E-08	1.12E-09	5.93E-09	1.04E-10	7.15E-09	1.02E-09	3.10E-09	3.15E-11	4.15E-09
3372	469590.57	3819083.5	1.21E-08	4.70E-08	6.22E-10	5.97E-08	1.01E-08	3.45E-08	4.47E-10	4.51E-08	1.14E-09	6.05E-09	1.06E-10	7.30E-09	1.04E-09	3.17E-09	3.21E-11	4.24E-09
3373	469594.41	3819074.69	1.24E-08	4.80E-08	6.36E-10	6.10E-08	1.03E-08	3.53E-08	4.56E-10	4.60E-08	1.17E-09	6.18E-09	1.08E-10	7.45E-09	1.06E-09	3.23E-09	3.28E-11	4.33E-09
3374	469598.26	3819065.87	1.26E-08	4.89E-08	6.48E-10	6.22E-08	1.05E-08	3.60E-08	4.65E-10	4.69E-08	1.19E-09	6.30E-09	1.11E-10	7.60E-09	1.08E-09	3.30E-09	3.35E-11	4.42E-09
3375	469602.1	3819057.06	1.29E-08	4.99E-08	6.62E-10	6.35E-08	1.07E-08	3.67E-08	4.75E-10	4.79E-08	1.22E-09	6.43E-09	1.13E-10	7.76E-09	1.11E-09	3.37E-09	3.41E-11	4.51E-09
3376	469605.95	3819048.25	1.31E-08	5.10E-08	6.75E-10	6.48E-08	1.09E-08	3.74E-08	4.85E-10	4.89E-08	1.24E-09	6.56E-09	1.15E-10	7.92E-09	1.13E-09	3.44E-09	3.48E-11	4.60E-09
3377	469609.79	3819039.43	1.34E-08	5.21E-08	6.90E-10	6.62E-08	1.12E-08	3.83E-08	4.95E-10	4.99E-08	1.27E-09	6.70E-09	1.18E-10	8.09E-09	1.15E-09	3.51E-09	3.56E-11	4.70E-09
3378	469613.63	3819030.62	1.37E-08	5.32E-08	7.05E-10	6.76E-08	1.14E-08	3.91E-08	5.06E-10	5.10E-08	1.29E-09	6.85E-09	1.20E-10	8.26E-09	1.18E-09	3.58E-09	3.63E-11	4.80E-09
3379	469617.48	3819021.8	1.40E-08	5.43E-08	7.19E-10	6.90E-08	1.17E-08	3.99E-08	5.16E-10	5.21E-08	1.32E-09	6.99E-09	1.23E-10	8.43E-09	1.20E-09	3.66E-09	3.71E-11	4.90E-09
3380	469621.32	3819012.99	1.43E-08	5.54E-08	7.34E-10	7.04E-08	1.19E-08	4.07E-08	5.27E-10	5.31E-08	1.35E-09	7.13E-09	1.25E-10	8.60E-09	1.23E-09	3.73E-09	3.79E-11	5.00E-09
3381	469625.16	3819004.18	1.46E-08	5.65E-08	7.49E-10	7.19E-08	1.21E-08	4.15E-08	5.38E-10	5.42E-08	1.38E-09	7.28E-09	1.28E-10	8.78E-09	1.25E-09	3.81E-09	3.86E-11	5.10E-09
3382	469629.01	3818995.36	1.49E-08	5.77E-08	7.64E-10	7.33E-08	1.24E-08	4.24E-08	5.48E-10	5.53E-08	1.40E-09	7.42E-09	1.30E-10	8.96E-09	1.28E-09	3.89E-09	3.94E-11	5.20E-09
3383	469632.85	3818986.55	1.52E-08	5.88E-08	7.79E-10	7.48E-08	1.26E-08	4.32E-08	5.59E-10	5.64E-08	1.43E-09	7.57E-09	1.33E-10	9.14E-09	1.30E-09	3.96E-09	4.02E-11	5.31E-09
3384	469636.7	3818977.73	1.55E-08	6.01E-08	7.97E-10	7.64E-08	1.29E-08	4.42E-08	5.72E-10	5.77E-08	1.46E-09	7.74E-09	1.36E-10	9.34E-09	1.33E-09	4.05E-09	4.11E-11	5.43E-09
3385	469640.54	3818968.92	1.58E-08	6.12E-08	8.10E-10	7.78E-08	1.31E-08	4.50E-08	5.82E-10	5.87E-08	1.49E-09	7.88E-09	1.38E-10	9.50E-09	1.35E-09	4.12E-09	4.18E-11	5.52E-09
3386	469644.38	3818960.1	1.60E-08	6.22E-08	8.24E-10	7.90E-08	1.34E-08	4.57E-08	5.91E-10	5.96E-08	1.51E-09	8.01E-09	1.41E-10	9.66E-09	1.38E-09	4.19E-09	4.25E-11	5.61E-09
3387	469648.23	3818951.29	1.63E-08	6.32E-08	8.38E-10	8.04E-08	1.36E-08	4.65E-08	6.01E-10	6.06E-08	1.54E-09	8.14E-09	1.43E-10	9.82E-09	1.40E-09	4.26E-09	4.32E-11	5.70E-09
3388	469652.07	3818942.48	1.66E-08	6.42E-08	8.51E-10	8.16E-08	1.38E-08	4.72E-08	6.11E-10	6.16E-08	1.56E-09	8.27E-09	1.45E-10	9.98E-09	1.42E-09	4.33E-09	4.39E-11	5.80E-09
3389	469655.92	3818933.66	1.68E-08	6.52E-08	8.64E-10	8.29E-08	1.40E-08	4.79E-08	6.20E-10	6.26E-08	1.59E-09	8.40E-09	1.47E-10	1.01E-08	1.44E-09	4.40E-09	4.46E-11	5.88E-09
3390	469659.76	3818924.85	1.71E-08	6.62E-08	8.77E-10	8.41E-08	1.42E-08	4.86E-08	6.29E-10	6.35E-08	1.61E-09	8.52E-09	1.50E-10	1.03E-08	1.46E-09	4.46E-09	4.52E-11	5.97E-09
3391	469714.83	3818815.54	1.95E-08	7.56E-08	1.00E-09	9.60E-08	1.62E-08	5.55E-08	7.19E-10	7.25E-08	1.84E-09	9.73E-09	1.71E-10	1.17E-08	1.67E-09	5.09E-09	5.16E-11	6.82E-09
3392	469723.77	3818812	2.00E-08	7.76E-08	1.03E-09	9.86E-08	1.67E-08	5.70E-08	7.38E-10	7.44E-08	1.89E-09	9.98E-09	1.75E-10	1.20E-08	1.72E-09	5.23E-09	5.30E-11	7.00E-09
3393	469732.71	3818808.46	2.05E-08	7.95E-08	1.05E-09	1.01E-07	1.71E-08	5.84E-08	7.56E-10	7.63E-08	1.94E-09	1.02E-08	1.80E-10	1.24E-08	1.76E-09	5.36E-09	5.44E-11	7.17E-09
3394	469741.65	3818804.91	2.10E-08	8.15E-08	1.08E-09	1.04E-07	1.75E-08	5.99E-08	7.75E-10	7.81E-08	1.98E-09	1.05E-08	1.84E-10	1.27E-08	1.80E-09	5.49E-09	5.57E-11	7.35E-09
3395	469750.59	3818801.37	2.15E-08	8.33E-08	1.10E-09	1.06E-07	1.79E-08	6.12E-08	7.93E-10	7.99E-08	2.03E-09	1.07E-08	1.88E-10	1.29E-08	1.84E-09	5.62E-09	5.70E-11	7.52E-09
3396	469759.53	3818797.83	2.20E-08	8.52E-08	1.13E-09	1.08E-07	1.83E-08	6.26E-08	8.11E-10	8.18E-08	2.08E-09	1.10E-08	1.93E-10	1.32E-08	1.89E-09	5.75E-09	5.83E-11	7.69E-09
3397	469768.47	3818794.29	2.25E-08	8.71E-08	1.15E-09	1.11E-07	1.87E-08	6.40E-08	8.29E-10	8.36E-08	2.12E-09	1.12E-08	1.97E-10	1.35E-08	1.93E-09	5.87E-09	5.96E-11	7.86E-09
3398	469777.41	3818790.75	2.30E-08	8.90E-08	1.18E-09	1.13E-07	1.91E-08	6.54E-08	8.47E-10	8.54E-08	2.17E-09	1.15E-08	2.01E-10	1.38E-08	1.97E-09	6.00E-09	6.09E-11	8.03E-09
3399	469786.35	3818787.21	2.34E-08	9.09E-08	1.20E-09	1.16E-07	1.95E-08	6.68E-08	8.64E-10	8.72E-08	2.21E-09	1.17E-08	2.05E-10	1.41E-08	2.01E-09	6.13E-09	6.21E-11	8.20E-09
3400	469795.29	3818783.67	2.39E-08	9.27E-08	1.23E-09	1.18E-07	1.99E-08	6.81E-08	8.81E-10	8.89E-08	2.26E-09	1.19E-08	2.09E-10	1.44E-08	2.05E-09	6.25E-09	6.34E-11	8.36E-09
3401	469804.23	3818780.13	2.43E-08	9.44E-08	1.25E-09	1.20E-07	2.03E-08	6.94E-08	8.98E-10	9.06E-08	2.30E-09	1.22E-08	2.13E-10	1.47E-08	2.09E-09	6.36E-09	6.45E-11	8.52E-09
3402	469813.17	3818776.59	2.48E-08	9.61E-08	1.27E-09	1.22E-07	2.06E-08	7.06E-08	9.14E-10	9.22E-08	2.34E-09	1.24E-08	2.17E-10	1.49E-08	2.13E-09	6.48E-09	6.57E-11	8.67E-09
3403	469822.11	3818773.05	2.52E-08	9.79E-08	1.30E-09	1.24E-07	2.10E-08	7.19E-08	9.31E-10	9.39E-08	2.38E-09	1.26E-08	2.21E-10	1.52E-08	2.17E-09	6.60E-09	6.69E-11	8.83E-09
3404	469848.93	3818762.42	2.65E-08	1.03E-07	1.36E-09	1.31E-07	2.21E-08	7.56E-08	9.78E-10	9.87E-08	2.50E-09	1.32E-08	2.32E-10	1.60E-08	2.28E-09	6.93E-09	7.03E-11	9.28E-09
3405	470054.56	3818680.98	3.27E-08	1.27E-07	1.68E-09	1.61E-07	2.72E-08	9.32E-08	1.21E-09	1.22E-07	3.09E-09	1.63E-08	2.87E-10	1.97E-08	2.81E-09	8.55E-09	8.67E-11	1.14E-08
3406	470063.5	3818677.44	3.28E-08	1.27E-07	1.68E-09	1.61E-07	2.73E-08	9.34E-08	1.21E-09	1.22E-07	3.09E-09	1.64E-08	2.87E-10	1.97E-08	2.81E-09	8.56E-09	8.68E-11	1.15E-08
3407	470072.44	3818673.9	3.28E-08	1.27E-07	1.68E-09	1.62E-07	2.73E-08	9.34E-08	1.21E-09	1.22E-07	3.09E-09	1.64E-08	2.87E-10	1.97E-08	2.81E-09	8.57E-09	8.69E-11	1.15E-08
3408	470081.38	3818670.36	3.28E-08	1.27E-07	1.68E-09	1.61E-07	2.73E-08	9.33E-08	1.21E-09	1.22E-07	3.09E-09	1.64E-08	2.87E-10	1.97E-08	2.81E-09	8.56E-09	8.68E-11	1.15E-08
3409	470090.32	3818666.82	3.27E-08	1.27E-07	1.68E-09	1.61E-07	2.72E-08	9.32E-08	1.21E-09	1.22E-07	3.09E-09	1.63E-08	2.86E-10	1.97E-08	2.81E-09	8.55E-09	8.67E-11	1.14E-08
3410	470099.26	3818663.28	3.26E-08	1.26E-07	1.67E-09	1.61E-07	2.71E-08	9.29E-08	1.20E-09	1.21E-07	3.08E-09	1.63E-08	2.86E-10	1.96E-08	2.80E-09	8.52E-09	8.64E-11	1.14E-08
3411	470108.2	3818659.74	3.25E-08	1.26E-07	1.67E-09	1.60E-07	2.70E-08	9.25E-08	1.20E-09	1.21E-07	3.07E-09	1.62E-08	2.84E-10	1.96E-08	2.79E-09	8.49E-09	8.61E-11	1.14E-08
3412	469527.71	3819292.07	1.10E-08	4.25E-08	5.63E-10	5.41E-08	9.13E-09	3.13E-08	4.04E-10	4.08E-08	1.04E-09	5.48E-09	9.61E-11	6.61E-09	9.41E-10	2.87E-09	2.91E-11	3.84E-09
3413	469527.52	3819301.71	1.12E-08	4.34E-08	5.74E-10	5.51E-08	9.31E-09	3.19E-08	4.12E-10	4.16E-08	1.06E-09	5.58E-09	9.80E-11	6.74E-09	9.60E-10	2.92E-09	2.96E-11	3.91E-09
3414	469527.33	3819311.36	1.14E-08	4.43E-08	5.87E-10	5.63E-08	9.51E-09	3.25E-08	4.21E-10	4.25E-08	1.08E-09	5.70E-09	1.00E-10	6.88E-09	9.80E-10	2.98E-09	3.03E-11	3.99E-09
3415	469527.13	3819321.01	1.17E-08	4.52E-08	5.99E-10	5.75E-08	9.71E-09	3.32E-08	4.30E-10	4.34E-08	1.10E-09	5.82E-09	1.02E-10	7.03E-09	1.00E-09	3.05E-09	3.09E-11	4.08E-09
3416	469526.94	3819330.66	1.19E-08	4.62E-08	6.12E-10	5.87E-08	9.92E-09	3.40E-08	4.39E-10	4.43E-08	1.13E-09	5.95E-09	1.04E-10	7.18E-09	1.02E-09	3.11E-09	3.16E-11	4.17E-09
3417	469526.75	3819340.31	1.22E-08	4.73E-08	6.26E-10	6.01E-08	1.01E-08	3.47E-08	4.49E-10	4.53E-08	1.15E-09	6.08E-09	1.07E-10	7.34E-09	1.05E-09	3.19E-09	3.23E-11	4.26E-09
3418	469526.55	3819349.96	1.25E-08	4.84E-08	6.41E-10	6.15E-08	1.04E-08	3.55E-08	4.60E-10	4.64E-08	1.18E-09	6.23E-09	1.09E-10	7.51E-09	1.07E-09	3.26E-09	3.31E-11	4.36E-09
3419	469526.36	3819359.6	1.28E-08	4.96E-08	6.56E-10	6.30E-08	1.06E-08	3.64E-08	4.71E-10	4.75E-08	1.21E-09	6.38E-09	1.12E-10	7.70E-09	1.10E-09	3.34E-09	3.39E-11	4.47E-09
3420	469526.17	3819369.25	1.31E-08	5.08E-08	6.73E-10	6.46E-08	1.09E-08	3.73E-08	4.83E-10	4.87E-08	1.24E-09	6.54E-09	1.15E-10	7.89E-09	1.12E-09	3.42E-09	3.47E-11	4.58E-09
3421	469525.98	3819378.9	1.34E-08	5.21E-08	6.90E-10	6.62E-08	1.12E-08	3.83E-08	4.95E-10	5.00E-08	1.27E-09	6.71E-09	1.18E-10	8.09E-09	1.15E-09	3.51E-09	3.56E-11	4.70E-09
3422	469525.78	3819388.55	1.38E-08	5.35E-08	7.09E-10	6.80E-08	1.15E-08	3.93E-08	5.09E-10	5.13E-08	1.30E-09	6.89E-09	1.21E-10	8.31E-09	1.18E-09	3.61E-09	3.66E-11	4.83E-09
3423	469525.59	3819398.2	1.42E-08	5.49E-08	7.28E-10	6.98E-08	1.18E-08	4.04E-08	5.22E-10	5.27E-08	1.34E-09	7.07E-09	1.24E-10	8.53E-09	1.22E-09	3.70E-09	3.76E-11	4.96E-09
3424	469525.4	3819407.84	1.46E-08	5.65E-08	7.48E-10	7.18E-08	1.21E-08	4.15E-08	5.37E-10	5.42E-08	1.38E-09	7.27E-09	1.28E-10	8.77E-09	1.25E-09	3.81E-09	3.86E-11	5.10E-09
3425	469525.2	3819417.49	1.50E-08	5.82E-08	7.71E-10	7.40E-08	1.25E-08	4.28E-08	5.53E-10	5.58E-08	1.42E-09	7.49E-09	1.31E-10	9.04E-09	1.29E-09	3.92E-09	3.98E-11	5.25E-09
3426	469525.01	3819427.14	1.55E-08	6.00E-08	7.95E-10	7.62E-08	1.29E-08	4.41E-08	5.70E-10	5.75E-08	1.46E-09	7.72E-09	1.36E-10	9.32E-09	1.33E-09	4.04E-09	4.10E-11	5.41E-09
3427	469524.82	3819436.79	1.59E-08	6.19E-08	8.19E-10	7.86E-08	1.33E-08	4.54E-08	5.88E-10	5.93E-08	1.51E-09	7.96E-09	1.40E-10	9.61E-09	1.37E-09	4.17E-09	4.23E-11	5.58E-09
3428	469500.65	3819197.19	8.80E-09	3.41E-08	4.52E-10	4.34E-08	7.33E-09	2.51E-08	3.25E-10	3.27E-08	8.31E-10	4.39E-09	7.71E-11	5.30E-09	7.55E-10	2.30E-09	2.33E-11	3.08E-09
3429	469504.5	3819188.35	8.85E-09	3.43E-08	4.55E-10	4.36E-08	7.37E-09	2.52E-08	3.26E-10	3.29E-08	8.36E-10	4.42E-09	7.76E-11	5.33E-09	7.60E-10	2.31E-09	2.35E-11	3.10E-09
3430	469508.36	3819179.5	8.92E-09	3.46E-08	4.58E-10	4.40E-08	7.43E-09	2.54E-08	3.29E-10	3.32E-08	8.42E-10	4.45E-09	7.81E-11	5.37E-09	7.65E-10	2.33E-09	2.36E-11	3.12E-09
3431	469512.22	3819170.66	8.99E-09	3.49E-08	4.62E-10	4.43E-08	7.49E-09	2.56E-08	3.32E-10	3.34E-08	8.49E-10	4.49E-09	7.88E-11	5.42E-09	7.72E-10	2.35E-09	2.38E-11	3.15E-09
3432	469516.08	3819161.81	9.07E-09	3.52E-08	4.66E-10	4.47E-08	7.56E-09	2.59E-08	3.35E-10	3.37E-08	8.57E-10	4.53E-09	7.95E-11	5.47E-09	7.79E-10	2.37E-09	2.40E-11	3.17E-09
3433	469519.93	3819152.97	9.16E-09	3.55E-08	4.70E-10	4.51E-08	7.63E-09	2.61E-08	3.38E-10	3.41E-08	8.65E-10	4.57E-09	8.02E-11	5.52E-09	7.86E-10	2.39E-09	2.43E-11	3.20E-09
3434	469523.79	3819144.12	9.25E-09	3.59E-08	4.75E-10	4.56E-08	7.71E-09	2.64E-08	3.41E-10	3.44E-08	8.74E-10	4.62E-09	8.11E-11	5.58E-09	7.94E-10	2.42E-09	2.45E-11	3.24E-09
3435	469527.65	3819135.28	9.36E-09	3.63E-08	4.81E-10	4.62E-08	7.80E-09	2.67E-08	3.45E-10	3.48E-08	8.84E-10	4.67E-09	8.20E-11	5.64E-09	8.04E-10	2.45E-09	2.48E-11	3.28E-09
3436	469531.51	3819126.43	9.50E-09	3.68E-08	4.88E-10	4.68E-08	7.91E-09	2.71E-08	3.50E-10	3.53E-08	8.97E-10	4.74E-09	8.33E-11	5.72E-09	8.16E-10	2.48E-09	2.52E-11	3.32E-09
3437	469535.36	3819117.59	9.65E-09	3.74E-08	4.96E-10	4.76E-08	8.03E-09	2.75E-08	3.56E-10	3.59E-08	9.11E-10	4.82E-09	8.45E-11	5.81E-09	8.28E-10	2.52E-09	2.56E-11	3.38E-09
3438	469539.22	3819108.74	9.81E-09	3.80E-08	5.04E-10	4.84E-08	8.17E-09	2.80E-08	3.62E-10	3.65E-08	9.26E-10	4.90E-09	8.60E-11	5.91E-09	8.42E-10	2.56E-09	2.60E-11	3.43E-09
3439	469543.08	3819099.9	9.98E-09	3.87E-08	5.13E-10	4.92E-08	8.32E-09	2.85E-08	3.68E-10	3.71E-08	9.43E-10	4.98E-09	8.75E-11	6.02E-09	8.57E-10	2.61E-09	2.65E-11	3.49E-09
3440	469546.94	3819091.05	1.02E-08	3.94E-08	5.23E-10	5.01E-08	8.47E-09	2.90E-08	3.75E-10	3.78E-08	9.60E-10	5.08E-09	8.91E-11	6.13E-09	8.73E-10	2.66E-09	2.70E-11	3.56E-09
3441	469550.79	3819082.21	1.04E-08	4.02E-08	5.32E-10	5.11E-08	8.63E-09	2.95E-08	3.82E-10	3.85E-08	9.79E-10	5.17E-09	9.08E-11	6.24E-09	8.90E-10	2.71E-09	2.75E-11	3.63E-09
3442	469554.65	3819073.36	1.06E-08	4.10E-08	5.43E-10	5.21E-08	8.80E-09	3.01E-08	3.89E-10	3.93E-08	9.97E-10	5.27E-09	9.25E-11	6.36E-09	9.06E-10	2.76E-09	2.80E-11	3.69E-09
3443	469558.51	3819064.52	1.08E-08	4.18E-08	5.54E-10	5.31E-08	8.97E-09	3.07E-08	3.97E-10	4.01E-08	1.02E-09	5.38E-09	9.44E-11	6.49E-09	9.25E-10	2.82E-09	2.86E-11	3.77E-09
3444	469562.37	3819055.67	1.10E-08	4.26E-08	5.65E-10	5.42E-08	9.16E-09	3.13E-08	4.05E-10	4.09E-08	1.04E-09	5.49E-09	9.63E-11	6.62E-09	9.44E-10	2.87E-09	2.91E-11	3.85E-09
3445	469566.22	3819046.83	1.12E-08	4.35E-08	5.77E-10	5.53E-08	9.35E-09	3.20E-08	4.14E-10	4.17E-08	1.06E-09	5.60E-09	9.83E-11	6.76E-09	9.63E-10	2.93E-09	2.97E-11	3.93E-09
3446	469570.08	3819037.98	1.14E-08	4.42E-08	5.86E-10	5.62E-08	9.50E-09	3.25E-08	4.21E-10	4.24E-08	1.08E-09	5.69E-09	9.99E-11	6.87E-09	9.79E-10	2.98E-09	3.02E-11	3.99E-09
3447	469573.94	3819029.13	1.16E-08	4.52E-08	5.98E-10	5.74E-08	9.70E-09	3.32E-08	4.30E-10	4.33E-08	1.10E-09	5.81E-09	1.02E-10	7.02E-09	1.00E-09	3.04E-09	3.09E-11	4.08E-09
3448	469577.8	3819020.29	1.19E-08	4.62E-08	6.11E-10	5.87E-08	9.91E-09	3.39E-08	4.39E-10	4.43E-08	1.12E-09	5.94E-09	1.04E-10	7.17E-09	1.02E-09	3.11E-09	3.15E-11	4.16E-09
3449	469581.65	3819011.44	1.22E-08	4.72E-08	6.25E-10	6.00E-08	1.01E-08	3.47E-08	4.49E-10	4.53E-08	1.15E-09	6.08E-09	1.07E-10	7.33E-09	1.04E-09	3.18E-09	3.23E-11	4.26E-09
3450	469585.51	3819002.6	1.24E-08	4.83E-08	6.39E-10	6.13E-08	1.04E-08	3.55E-08	4.59E-10	4.63E-08	1.18E-09	6.21E-09	1.09E-10	7.50E-09	1.07E-09	3.25E-09	3.30E-11	4.35E-09
3451	469589.37	3818993.75	1.27E-08	4.93E-08	6.53E-10	6.27E-08	1.06E-08	3.62E-08	4.69E-10	4.73E-08	1.20E-09	6.35E-09	1.11E-10	7.66E-09	1.09E-09	3.32E-09	3.37E-11	4.45E-09
3452	469593.23	3818984.91	1.30E-08	5.04E-08	6.67E-10	6.40E-08	1.08E-08	3.70E-08	4.79E-10	4.83E-08	1.23E-09	6.48E-09	1.14E-10	7.82E-09	1.11E-09	3.39E-09	3.44E-11

3453	469597.08	3818976.06	1.32E-08	5.13E-08	6.80E-10	6.52E-08	1.10E-08	3.77E-08	4.88E-10	4.92E-08	1.25E-09	6.61E-09	1.16E-10	7.97E-09	1.14E-09	3.46E-09	3.51E-11	4.63E-09
3454	469600.94	3818967.22	1.35E-08	5.23E-08	6.93E-10	6.64E-08	1.12E-08	3.84E-08	4.97E-10	5.01E-08	1.27E-09	6.73E-09	1.18E-10	8.12E-09	1.16E-09	3.52E-09	3.57E-11	4.72E-09
3455	469604.8	3818958.37	1.37E-08	5.32E-08	7.05E-10	6.76E-08	1.14E-08	3.91E-08	5.06E-10	5.10E-08	1.30E-09	6.85E-09	1.20E-10	8.27E-09	1.18E-09	3.59E-09	3.64E-11	4.80E-09
3456	469608.66	3818949.53	1.40E-08	5.41E-08	7.17E-10	6.88E-08	1.16E-08	3.98E-08	5.15E-10	5.19E-08	1.32E-09	6.97E-09	1.22E-10	8.41E-09	1.20E-09	3.65E-09	3.70E-11	4.88E-09
3457	469612.51	3818940.68	1.42E-08	5.50E-08	7.29E-10	6.99E-08	1.18E-08	4.04E-08	5.23E-10	5.28E-08	1.34E-09	7.08E-09	1.24E-10	8.55E-09	1.22E-09	3.71E-09	3.76E-11	4.96E-09
3458	469616.37	3818931.84	1.44E-08	5.59E-08	7.41E-10	7.11E-08	1.20E-08	4.11E-08	5.32E-10	5.36E-08	1.36E-09	7.20E-09	1.26E-10	8.68E-09	1.24E-09	3.77E-09	3.82E-11	5.04E-09
3459	469705.01	3818779.66	1.81E-08	7.02E-08	9.30E-10	8.92E-08	1.51E-08	5.16E-08	6.68E-10	6.73E-08	1.71E-09	9.04E-09	1.59E-10	1.09E-08	1.55E-09	4.73E-09	4.80E-11	6.33E-09
3460	469713.98	3818776.1	1.85E-08	7.19E-08	9.52E-10	9.13E-08	1.54E-08	5.28E-08	6.83E-10	6.89E-08	1.75E-09	9.25E-09	1.62E-10	1.12E-08	1.59E-09	4.84E-09	4.91E-11	6.48E-09
3461	469722.95	3818772.55	1.89E-08	7.35E-08	9.74E-10	9.34E-08	1.58E-08	5.40E-08	6.99E-10	7.05E-08	1.79E-09	9.46E-09	1.66E-10	1.14E-08	1.63E-09	4.95E-09	5.02E-11	6.63E-09
3462	469731.92	3818769	1.94E-08	7.51E-08	9.95E-10	9.55E-08	1.61E-08	5.52E-08	7.14E-10	7.20E-08	1.83E-09	9.67E-09	1.70E-10	1.17E-08	1.66E-09	5.06E-09	5.13E-11	6.78E-09
3463	469740.89	3818765.44	1.98E-08	7.67E-08	1.02E-09	9.75E-08	1.65E-08	5.64E-08	7.29E-10	7.36E-08	1.87E-09	9.87E-09	1.73E-10	1.19E-08	1.70E-09	5.17E-09	5.24E-11	6.92E-09
3464	469812.67	3818737.02	2.29E-08	8.87E-08	1.17E-09	1.13E-07	1.90E-08	6.52E-08	8.43E-10	8.51E-08	2.16E-09	1.14E-08	2.00E-10	1.38E-08	1.96E-09	5.98E-09	6.06E-11	8.00E-09
3465	469821.64	3818733.46	2.32E-08	9.00E-08	1.19E-09	1.14E-07	1.93E-08	6.62E-08	8.56E-10	8.64E-08	2.19E-09	1.16E-08	2.03E-10	1.40E-08	1.99E-09	6.07E-09	6.15E-11	8.12E-09
3466	469830.61	3818729.91	2.36E-08	9.13E-08	1.21E-09	1.16E-07	1.96E-08	6.71E-08	8.69E-10	8.76E-08	2.22E-09	1.18E-08	2.06E-10	1.42E-08	2.02E-09	6.16E-09	6.24E-11	8.24E-09
3467	469839.58	3818726.36	2.39E-08	9.26E-08	1.23E-09	1.18E-07	1.99E-08	6.80E-08	8.80E-10	8.88E-08	2.25E-09	1.19E-08	2.09E-10	1.44E-08	2.05E-09	6.24E-09	6.33E-11	8.35E-09
3468	469848.55	3818722.8	2.42E-08	9.38E-08	1.24E-09	1.19E-07	2.01E-08	6.89E-08	8.92E-10	9.00E-08	2.28E-09	1.21E-08	2.12E-10	1.46E-08	2.08E-09	6.32E-09	6.41E-11	8.46E-09
3469	469857.52	3818719.25	2.45E-08	9.50E-08	1.26E-09	1.21E-07	2.04E-08	6.98E-08	9.04E-10	9.12E-08	2.31E-09	1.22E-08	2.15E-10	1.48E-08	2.10E-09	6.41E-09	6.50E-11	8.58E-09
3470	469866.5	3818715.7	2.48E-08	9.63E-08	1.28E-09	1.22E-07	2.07E-08	7.08E-08	9.16E-10	9.23E-08	2.34E-09	1.24E-08	2.18E-10	1.50E-08	2.13E-09	6.49E-09	6.58E-11	8.69E-09
3471	469875.47	3818712.14	2.51E-08	9.74E-08	1.29E-09	1.24E-07	2.09E-08	7.16E-08	9.26E-10	9.34E-08	2.37E-09	1.25E-08	2.20E-10	1.51E-08	2.16E-09	6.56E-09	6.66E-11	8.79E-09
3472	469884.44	3818708.59	2.54E-08	9.84E-08	1.30E-09	1.25E-07	2.11E-08	7.23E-08	9.36E-10	9.44E-08	2.40E-09	1.27E-08	2.22E-10	1.53E-08	2.18E-09	6.63E-09	6.73E-11	8.88E-09
3473	469893.41	3818705.04	2.56E-08	9.94E-08	1.32E-09	1.26E-07	2.14E-08	7.31E-08	9.46E-10	9.54E-08	2.42E-09	1.28E-08	2.25E-10	1.54E-08	2.20E-09	6.70E-09	6.80E-11	8.97E-09
3474	469902.38	3818701.48	2.59E-08	1.00E-07	1.33E-09	1.28E-07	2.16E-08	7.38E-08	9.55E-10	9.64E-08	2.45E-09	1.29E-08	2.27E-10	1.56E-08	2.22E-09	6.77E-09	6.87E-11	9.07E-09
3475	469911.35	3818697.93	2.62E-08	1.01E-07	1.34E-09	1.29E-07	2.18E-08	7.46E-08	9.65E-10	9.73E-08	2.47E-09	1.31E-08	2.29E-10	1.58E-08	2.25E-09	6.84E-09	6.94E-11	9.16E-09
3476	470010.04	3818658.84	2.85E-08	1.10E-07	1.46E-09	1.40E-07	2.37E-08	8.11E-08	1.05E-09	1.06E-07	2.69E-09	1.42E-08	2.49E-10	1.71E-08	2.44E-09	7.44E-09	7.55E-11	9.96E-09
3477	470019.01	3818655.29	2.87E-08	1.11E-07	1.47E-09	1.41E-07	2.39E-08	8.17E-08	1.06E-09	1.07E-07	2.71E-09	1.43E-08	2.51E-10	1.73E-08	2.46E-09	7.49E-09	7.60E-11	1.00E-08
3478	470027.99	3818651.74	2.88E-08	1.12E-07	1.48E-09	1.42E-07	2.40E-08	8.21E-08	1.06E-09	1.07E-07	2.72E-09	1.44E-08	2.52E-10	1.74E-08	2.47E-09	7.53E-09	7.64E-11	1.01E-08
3479	470036.96	3818648.18	2.89E-08	1.12E-07	1.49E-09	1.43E-07	2.41E-08	8.24E-08	1.07E-09	1.08E-07	2.73E-09	1.44E-08	2.53E-10	1.74E-08	2.48E-09	7.56E-09	7.67E-11	1.01E-08
3480	470045.93	3818644.63	2.90E-08	1.13E-07	1.49E-09	1.43E-07	2.42E-08	8.27E-08	1.07E-09	1.08E-07	2.74E-09	1.45E-08	2.54E-10	1.75E-08	2.49E-09	7.59E-09	7.70E-11	1.02E-08
3481	470054.9	3818641.08	2.91E-08	1.13E-07	1.50E-09	1.44E-07	2.43E-08	8.30E-08	1.07E-09	1.08E-07	2.75E-09	1.45E-08	2.55E-10	1.76E-08	2.50E-09	7.62E-09	7.72E-11	1.02E-08
3482	470063.87	3818637.52	2.92E-08	1.13E-07	1.50E-09	1.44E-07	2.43E-08	8.33E-08	1.08E-09	1.09E-07	2.76E-09	1.46E-08	2.56E-10	1.76E-08	2.51E-09	7.64E-09	7.75E-11	1.02E-08
3483	470072.84	3818633.97	2.93E-08	1.14E-07	1.51E-09	1.44E-07	2.44E-08	8.35E-08	1.08E-09	1.09E-07	2.77E-09	1.46E-08	2.57E-10	1.77E-08	2.52E-09	7.66E-09	7.77E-11	1.03E-08
3484	470081.82	3818630.42	2.92E-08	1.13E-07	1.50E-09	1.44E-07	2.43E-08	8.31E-08	1.08E-09	1.08E-07	2.75E-09	1.46E-08	2.56E-10	1.76E-08	2.50E-09	7.62E-09	7.73E-11	1.02E-08
3485	470090.79	3818626.86	2.91E-08	1.13E-07	1.50E-09	1.43E-07	2.42E-08	8.29E-08	1.07E-09	1.08E-07	2.75E-09	1.45E-08	2.55E-10	1.75E-08	2.50E-09	7.61E-09	7.71E-11	1.02E-08
3486	470099.76	3818623.31	2.93E-08	1.14E-07	1.51E-09	1.45E-07	2.44E-08	8.35E-08	1.08E-09	1.09E-07	2.77E-09	1.46E-08	2.57E-10	1.77E-08	2.52E-09	7.66E-09	7.77E-11	1.03E-08
3487	470108.73	3818619.76	2.92E-08	1.13E-07	1.50E-09	1.44E-07	2.44E-08	8.33E-08	1.08E-09	1.09E-07	2.76E-09	1.46E-08	2.56E-10	1.76E-08	2.51E-09	7.64E-09	7.75E-11	1.02E-08
3488	469488.69	3819243.02	8.91E-09	3.46E-08	4.58E-10	4.39E-08	7.42E-09	2.54E-08	3.29E-10	3.31E-08	8.42E-10	4.45E-09	7.81E-11	5.37E-09	7.65E-10	2.33E-09	2.36E-11	3.12E-09
3489	469488.49	3819252.67	9.03E-09	3.50E-08	4.64E-10	4.45E-08	7.52E-09	2.57E-08	3.33E-10	3.36E-08	8.53E-10	4.51E-09	7.91E-11	5.44E-09	7.75E-10	2.36E-09	2.39E-11	3.16E-09
3490	469488.3	3819262.32	9.16E-09	3.55E-08	4.71E-10	4.52E-08	7.63E-09	2.61E-08	3.38E-10	3.41E-08	8.65E-10	4.57E-09	8.03E-11	5.52E-09	7.86E-10	2.39E-09	2.43E-11	3.20E-09
3491	469488.11	3819271.97	9.30E-09	3.61E-08	4.78E-10	4.59E-08	7.75E-09	2.65E-08	3.43E-10	3.46E-08	8.78E-10	4.64E-09	8.15E-11	5.60E-09	7.98E-10	2.43E-09	2.47E-11	3.25E-09
3492	469487.92	3819281.62	9.45E-09	3.67E-08	4.86E-10	4.66E-08	7.87E-09	2.69E-08	3.49E-10	3.52E-08	8.93E-10	4.72E-09	8.28E-11	5.70E-09	8.12E-10	2.47E-09	2.51E-11	3.31E-09
3493	469487.72	3819291.27	9.63E-09	3.73E-08	4.95E-10	4.75E-08	8.02E-09	2.74E-08	3.55E-10	3.58E-08	9.09E-10	4.81E-09	8.44E-11	5.80E-09	8.27E-10	2.52E-09	2.55E-11	3.37E-09
3494	469487.53	3819300.91	9.82E-09	3.81E-08	5.05E-10	4.84E-08	8.18E-09	2.80E-08	3.62E-10	3.65E-08	9.27E-10	4.90E-09	8.61E-11	5.92E-09	8.43E-10	2.57E-09	2.60E-11	3.44E-09
3495	469487.34	3819310.56	1.00E-08	3.89E-08	5.15E-10	4.94E-08	8.35E-09	2.86E-08	3.70E-10	3.73E-08	9.47E-10	5.01E-09	8.79E-11	6.04E-09	8.61E-10	2.62E-09	2.66E-11	3.51E-09
3496	469487.14	3819320.21	1.02E-08	3.97E-08	5.26E-10	5.05E-08	8.53E-09	2.92E-08	3.78E-10	3.81E-08	9.67E-10	5.11E-09	8.97E-11	6.17E-09	8.79E-10	2.68E-09	2.71E-11	3.58E-09
3497	469486.95	3819329.86	1.05E-08	4.05E-08	5.37E-10	5.15E-08	8.70E-09	2.98E-08	3.85E-10	3.89E-08	9.87E-10	5.22E-09	9.16E-11	6.30E-09	8.97E-10	2.73E-09	2.77E-11	3.66E-09
3498	469486.76	3819339.51	1.07E-08	4.14E-08	5.48E-10	5.26E-08	8.89E-09	3.04E-08	3.94E-10	3.97E-08	1.01E-09	5.33E-09	9.35E-11	6.43E-09	9.16E-10	2.79E-09	2.83E-11	3.73E-09
3499	469486.56	3819349.15	1.09E-08	4.23E-08	5.60E-10	5.38E-08	9.09E-09	3.11E-08	4.02E-10	4.06E-08	1.03E-09	5.45E-09	9.56E-11	6.57E-09	9.36E-10	2.85E-09	2.89E-11	3.82E-09
3500	469486.37	3819358.8	1.12E-08	4.33E-08	5.73E-10	5.50E-08	9.29E-09	3.18E-08	4.11E-10	4.15E-08	1.05E-09	5.57E-09	9.78E-11	6.72E-09	9.58E-10	2.92E-09	2.96E-11	3.90E-09
3501	469486.18	3819368.45	1.14E-08	4.43E-08	5.87E-10	5.63E-08	9.51E-09	3.25E-08	4.21E-10	4.25E-08	1.08E-09	5.70E-09	1.00E-10	6.88E-09	9.80E-10	2.98E-09	3.03E-11	3.99E-09
3502	469485.98	3819378.1	1.17E-08	4.54E-08	6.01E-10	5.76E-08	9.74E-09	3.33E-08	4.31E-10	4.35E-08	1.10E-09	5.84E-09	1.02E-10	7.04E-09	1.00E-09	3.06E-09	3.10E-11	4.09E-09
3503	469485.79	3819387.75	1.20E-08	4.65E-08	6.16E-10	5.91E-08	9.98E-09	3.41E-08	4.42E-10	4.46E-08	1.13E-09	5.98E-09	1.05E-10	7.22E-09	1.03E-09	3.13E-09	3.18E-11	4.19E-09
3504	469485.6	3819397.4	1.23E-08	4.77E-08	6.31E-10	6.06E-08	1.02E-08	3.50E-08	4.53E-10	4.57E-08	1.16E-09	6.13E-09	1.08E-10	7.40E-09	1.05E-09	3.21E-09	3.26E-11	4.30E-09
3505	469485.4	3819407.04	1.26E-08	4.89E-08	6.48E-10	6.21E-08	1.05E-08	3.59E-08	4.65E-10	4.69E-08	1.19E-09	6.29E-09	1.10E-10	7.59E-09	1.08E-09	3.29E-09	3.34E-11	4.41E-09
3506	469485.21	3819416.69	1.29E-08	5.02E-08	6.65E-10	6.38E-08	1.08E-08	3.69E-08	4.77E-10	4.81E-08	1.22E-09	6.46E-09	1.13E-10	7.79E-09	1.11E-09	3.38E-09	3.43E-11	4.53E-09
3507	469485.02	3819426.34	1.33E-08	5.15E-08	6.83E-10	6.55E-08	1.11E-08	3.79E-08	4.90E-10	4.94E-08	1.25E-09	6.64E-09	1.16E-10	8.01E-09	1.14E-09	3.47E-09	3.52E-11	4.65E-09
3508	469484.82	3819435.99	1.37E-08	5.30E-08	7.02E-10	6.73E-08	1.14E-08	3.89E-08	5.04E-10	5.08E-08	1.29E-09	6.82E-09	1.20E-10	8.23E-09	1.17E-09	3.57E-09	3.62E-11	4.78E-09
3509	469502.23	3819101.05	8.46E-09	3.28E-08	4.35E-10	4.17E-08	7.05E-09	2.41E-08	3.12E-10	3.15E-08	7.99E-10	4.23E-09	7.42E-11	5.10E-09	7.27E-10	2.21E-09	2.24E-11	2.96E-09
3510	469506.03	3819092.35	8.62E-09	3.34E-08	4.43E-10	4.25E-08	7.18E-09	2.46E-08	3.18E-10	3.21E-08	8.14E-10	4.30E-09	7.55E-11	5.19E-09	7.40E-10	2.25E-09	2.28E-11	3.02E-09
3511	469509.83	3819083.64	8.93E-09	3.46E-08	4.59E-10	4.40E-08	7.44E-09	2.55E-08	3.29E-10	3.32E-08	8.44E-10	4.46E-09	7.83E-11	5.38E-09	7.67E-10	2.34E-09	2.37E-11	3.13E-09
3512	469513.62	3819074.94	8.96E-09	3.47E-08	4.60E-10	4.41E-08	7.46E-09	2.55E-08	3.30E-10	3.33E-08	8.46E-10	4.47E-09	7.85E-11	5.40E-09	7.69E-10	2.34E-09	2.37E-11	3.13E-09
3513	469517.42	3819066.23	9.12E-09	3.54E-08	4.69E-10	4.50E-08	7.60E-09	2.60E-08	3.36E-10	3.39E-08	8.61E-10	4.55E-09	7.99E-11	5.50E-09	7.83E-10	2.38E-09	2.42E-11	3.19E-09
3514	469521.21	3819057.53	9.30E-09	3.61E-08	4.78E-10	4.59E-08	7.75E-09	2.65E-08	3.43E-10	3.46E-08	8.79E-10	4.65E-09	8.15E-11	5.61E-09	7.99E-10	2.43E-09	2.47E-11	3.26E-09
3515	469525.01	3819048.82	9.50E-09	3.68E-08	4.88E-10	4.68E-08	7.91E-09	2.71E-08	3.50E-10	3.53E-08	8.97E-10	4.74E-09	8.33E-11	5.72E-09	8.16E-10	2.48E-09	2.52E-11	3.32E-09
3516	469528.81	3819040.12	9.70E-09	3.76E-08	4.99E-10	4.78E-08	8.08E-09	2.77E-08	3.58E-10	3.61E-08	9.16E-10	4.85E-09	8.50E-11	5.85E-09	8.33E-10	2.54E-09	2.57E-11	3.40E-09
3517	469532.6	3819031.41	9.91E-09	3.84E-08	5.09E-10	4.88E-08	8.25E-09	2.82E-08	3.65E-10	3.69E-08	9.36E-10	4.95E-09	8.68E-11	5.97E-09	8.51E-10	2.59E-09	2.63E-11	3.47E-09
3518	469536.4	3819022.71	1.01E-08	3.92E-08	5.20E-10	4.99E-08	8.43E-09	2.88E-08	3.73E-10	3.76E-08	9.55E-10	5.05E-09	8.86E-11	6.09E-09	8.68E-10	2.64E-09	2.68E-11	3.54E-09
3519	469540.2	3819014	1.03E-08	4.00E-08	5.30E-10	5.09E-08	8.60E-09	2.94E-08	3.81E-10	3.84E-08	9.75E-10	5.15E-09	9.05E-11	6.22E-09	8.86E-10	2.70E-09	2.74E-11	3.61E-09
3520	469543.99	3819005.3	1.05E-08	4.09E-08	5.41E-10	5.19E-08	8.77E-09	3.00E-08	3.88E-10	3.92E-08	9.95E-10	5.26E-09	9.23E-11	6.35E-09	9.04E-10	2.75E-09	2.79E-11	3.69E-09
3521	469547.79	3818996.59	1.08E-08	4.17E-08	5.52E-10	5.30E-08	8.96E-09	3.06E-08	3.97E-10	4.00E-08	1.02E-09	5.37E-09	9.42E-11	6.48E-09	9.23E-10	2.81E-09	2.85E-11	3.76E-09
3522	469551.59	3818987.89	1.10E-08	4.26E-08	5.64E-10	5.41E-08	9.14E-09	3.13E-08	4.05E-10	4.08E-08	1.04E-09	5.48E-09	9.62E-11	6.61E-09	9.42E-10	2.87E-09	2.91E-11	3.84E-09
3523	469555.38	3818979.18	1.12E-08	4.35E-08	5.76E-10	5.53E-08	9.34E-09	3.19E-08	4.13E-10	4.17E-08	1.06E-09	5.60E-09	9.82E-11	6.75E-09	9.62E-10	2.93E-09	2.97E-11	3.92E-09
3524	469559.18	3818970.48	1.14E-08	4.44E-08	5.88E-10	5.64E-08	9.53E-09	3.26E-08	4.22E-10	4.25E-08	1.08E-09	5.71E-09	1.00E-10	6.89E-09	9.82E-10	2.99E-09	3.03E-11	4.00E-09
3525	469562.98	3818961.77	1.17E-08	4.53E-08	6.00E-10	5.75E-08	9.72E-09	3.33E-08	4.30E-10	4.34E-08	1.10E-09	5.83E-09	1.02E-10	7.03E-09	1.00E-09	3.05E-09	3.09E-11	4.08E-09
3526	469566.77	3818953.07	1.19E-08	4.61E-08	6.11E-10	5.86E-08	9.90E-09	3.39E-08	4.39E-10	4.42E-08	1.12E-09	5.94E-09	1.04E-10	7.16E-09	1.02E-09	3.11E-09	3.15E-11	4.16E-09
3527	469570.57	3818944.36	1.21E-08	4.69E-08	6.22E-10	5.96E-08	1.01E-08	3.45E-08	4.46E-10	4.50E-08	1.14E-09	6.04E-09	1.06E-10	7.29E-09	1.04E-09	3.16E-09	3.21E-11	4.23E-09
3528	469574.36	3818935.66	1.23E-08	4.77E-08	6.32E-10	6.06E-08	1.02E-08	3.50E-08	4.54E-10	4.57E-08	1.16E-09	6.14E-09	1.08E-10	7.41E-09	1.06E-09	3.21E-09	3.26E-11	4.30E-09
3529	469578.16	3818926.95	1.25E-08	4.85E-08	6.42E-10	6.16E-08	1.04E-08	3.56E-08	4.61E-10	4.65E-08	1.18E-09	6.24E-09	1.09E-10	7.53E-09	1.07E-09	3.27E-09	3.31E-11	4.37E-09
3530	469646.5	3818770.26	1.50E-08	5.80E-08	7.69E-10	7.38E-08	1.25E-08	4.27E-08	5.52E-10	5.57E-08	1.41E-09	7.47E-09	1.31E-10	9.02E-09	1.28E-09	3.91E-09	3.97E-11	5.24E-09
3531	469659.12	3818758.06	1.54E-08	5.96E-08	7.90E-10	7.58E-08	1.28E-08	4.38E-08	5.67E-10	5.72E-08	1.45E-09	7.67E-09	1.35E-10	9.26E-09	1.32E-09	4.02E-09	4.07E-11	5.38E-09
3532	469667.95	3818754.56	1.57E-08	6.10E-08	8.08E-10	7.75E-08	1.31E-08	4.48E-08	5.80E-10	5.85E-08	1.48E-09	7.85E-09	1.38E-10	9.47E-09	1.35E-09	4.11E-09	4.17E-11	5.50E-09
3533	469676.78	3818751.06	1.61E-08	6.23E-08	8.26E-10	7.92E-08	1.34E-08	4.58E-08	5.93E-10	5.98E-08	1.52E-09	8.02E-09	1.41E-10	9.68E-09	1.38E-09	4.20E-09	4.26E-11	5.62E-09
3534	469712.1	3818737.07	1.75E-08	6.79E-08	9.00E-10	8.63E-08	1.46E-08	4.99E-08	6.46E-10	6.51E-08	1.65E-09	8.74E-09	1.53E-10	1.05E-08	1.50E-09	4.58E-09	4.64E-11	6.13E-09
3535	469720.93	3818733.58	1.79E-08	6.93E-08	9.17E-10	8.80E-08	1.49E-08	5.09E-08	6.59E-10	6.64E-08	1.69E-09	8.92E-09	1.56E-10	1.08E-08	1.53E-09	4.67E-09	4.73E-11	6.25E-09
3536	469729.76	3818730.08	1.82E-08	7.06E-08	9.35E-10	8.97E-08	1.52E-08	5.18E-08	6.71E-10	6.77E-08	1.72E-09	9.08E-09	1.59E-10	1.10E-08	1.56E-09	4.76E-09	4.82E-11	6.37E-09
3537	469738.59	3818726.58	1.85E-08	7.19E-08	9.52E-10	9.13E-08	1.54E-08	5.28E-08	6.83E-10	6.89E-08	1.75E-09	9.25E-09	1.62E-10	1.12E-08	1.59E-09	4.84E-09	4.91E-11	6.48E-09
3538	469747.42	3818723.08	1.89E-08	7.31E-08	9.69E-10	9.30E-08	1.57E-08	5.37E-08	6.96E-10	7.02E-08	1.78E-09	9.42E-09	1.65E-10	1.14E-08	1.62E-09	4.93E-09	5.00E-11	6.60E-09
3539	469756.25	3818719.59	1.92E-08	7.44E-08	9.85E-10	9.45E-08	1.60E-08	5.47E-08	7.07E-10	7.13E-08	1.81E-09	9.57E-09	1.68E-10	1.16E-08	1.65E-09	5.01E-09	5.08E-11	6.71E-09
3540	469765.08	3818716.09	1.95E-08	7.55E-08	1.00E-09	9.60E-08	1.62E-08	5.55E-08	7.18E-10	7.25E-08	1.84E-09	9.72E-09	1.71E-10	1.17E-08	1.67E-09	5.09E-09	5.16E-11	6.82E-09
3541	469773.91	3818712.59	1.98E-08	7.67E-08	1.02E-09	9.75E-08	1.65E-08	5.64E-08	7.29E-10	7.35E-08	1.87E-09	9.87E-09	1.73E-10	1.19E-08	1.70E-09	5.17E-09	5.24E-11	6.92E-09
3542	469782.74	3818709.1	2.01E-08	7.78E-08	1.03E-09	9.89E-08	1.67E-08	5.72E-08	7.40E-10	7.47E-08	1.90E-09	1.00E-08	1.76E-10	1.21E-08	1.72E-09	5.25E-09	5.32E-11	7.02E-09
3543	469791.57	3818705.6	2.04E-08	7.90E-08	1.05E-09	1.00E-07	1.70E-08	5.81E-08	7.52E-10	7.58E-08	1.92E-09	1.02E-08	1.79E-10	1.23E-08	1.75E-09	5.33E-09	5.40E-11	7.13E-09
3544	469800.4	3818702.1	2.07E-08	8.02E-08	1.06E-09	1.02E-07	1.72E-08	5.89E-08	7.63E-10	7.69E-08	1.95E-09	1.03E-08	1.81E-10	1.25E-08	1.78E-09	5.41E-09	5.48E-11	7.24E-09
3545	469809.23	3818698.6	2.10E-08	8.14E-08	1.08E-09	1.03E-07	1.75E-08	5.98E-08	7.74E-10	7.80E-08	1.98E-09	1.05E-08	1.84E-10	1.26E-08	1.80E-09	5.48E-09	5.56E-11	7.34E-09
3546	469818.06	3818695.11	2.12E-08	8.24E-08	1.09E-09	1.05E-07	1.77E-08	6.05E-08	7.83E-10	7.90E-08	2.01E-09	1.06E-08	1.86E-10	1.28E-08	1.82E-09	5.55E-09	5.63E-11	7.43E-09
3547	469826.89	3818691.61	2.15E-08	8.34E-08	1.10E-09	1.06E-07	1.79E-08	6.13E-08	7.93E-10	8.00E-08	2.03E-09	1.07E-08	1.88E-10	1.30E-08	1.85E-09	5.62E-09	5.70E-11	7.52E-09
3548	469835.72	3818688.11	2.17E-08	8.43E-08	1.12E-09	1.07E-07	1.81E-08	6.20E-08	8.02E-10	8.09E-08	2.05E-09	1.09E-08	1.91E-10	1.31E-08	1.87E-09	5.69E-09	5.77E-11	7

3549	469844.55	3818684.62	2.20E-08	8.53E-08	1.13E-09	1.08E-07	1.83E-08	6.27E-08	8.11E-10	8.18E-08	2.08E-09	1.10E-08	1.93E-10	1.32E-08	1.89E-09	5.75E-09	5.83E-11	7.69E-09
3550	469853.38	3818681.12	2.22E-08	8.62E-08	1.14E-09	1.10E-07	1.85E-08	6.33E-08	8.20E-10	8.27E-08	2.10E-09	1.11E-08	1.95E-10	1.34E-08	1.91E-09	5.81E-09	5.89E-11	7.78E-09
3551	469862.21	3818677.62	2.25E-08	8.71E-08	1.15E-09	1.11E-07	1.87E-08	6.40E-08	8.28E-10	8.35E-08	2.12E-09	1.12E-08	1.97E-10	1.35E-08	1.93E-09	5.87E-09	5.95E-11	7.86E-09
3552	469871.04	3818674.12	2.27E-08	8.80E-08	1.17E-09	1.12E-07	1.89E-08	6.46E-08	8.36E-10	8.44E-08	2.14E-09	1.13E-08	1.99E-10	1.37E-08	1.95E-09	5.93E-09	6.01E-11	7.94E-09
3553	469879.87	3818670.63	2.29E-08	8.88E-08	1.18E-09	1.13E-07	1.91E-08	6.53E-08	8.45E-10	8.52E-08	2.16E-09	1.14E-08	2.01E-10	1.38E-08	1.97E-09	5.99E-09	6.07E-11	8.02E-09
3554	469888.69	3818667.13	2.31E-08	8.97E-08	1.19E-09	1.14E-07	1.93E-08	6.59E-08	8.53E-10	8.60E-08	2.18E-09	1.15E-08	2.03E-10	1.39E-08	1.98E-09	6.04E-09	6.13E-11	8.09E-09
3555	469897.52	3818663.63	2.33E-08	9.04E-08	1.20E-09	1.15E-07	1.94E-08	6.65E-08	8.60E-10	8.67E-08	2.20E-09	1.16E-08	2.04E-10	1.40E-08	2.00E-09	6.10E-09	6.18E-11	8.16E-09
3556	469906.35	3818660.14	2.35E-08	9.12E-08	1.21E-09	1.16E-07	1.96E-08	6.70E-08	8.68E-10	8.75E-08	2.22E-09	1.17E-08	2.06E-10	1.42E-08	2.02E-09	6.15E-09	6.24E-11	8.23E-09
3557	469915.18	3818656.64	2.37E-08	9.20E-08	1.22E-09	1.17E-07	1.98E-08	6.76E-08	8.75E-10	8.83E-08	2.24E-09	1.18E-08	2.08E-10	1.43E-08	2.04E-09	6.20E-09	6.29E-11	8.30E-09
3558	469950.5	3818642.65	2.45E-08	9.49E-08	1.26E-09	1.21E-07	2.04E-08	6.97E-08	9.03E-10	9.10E-08	2.31E-09	1.22E-08	2.14E-10	1.47E-08	2.10E-09	6.40E-09	6.49E-11	8.56E-09
3559	469959.33	3818639.15	2.46E-08	9.56E-08	1.27E-09	1.21E-07	2.05E-08	7.02E-08	9.09E-10	9.16E-08	2.33E-09	1.23E-08	2.16E-10	1.48E-08	2.12E-09	6.44E-09	6.53E-11	8.62E-09
3560	469968.16	3818635.66	2.48E-08	9.62E-08	1.27E-09	1.22E-07	2.07E-08	7.07E-08	9.14E-10	9.22E-08	2.34E-09	1.24E-08	2.17E-10	1.49E-08	2.13E-09	6.48E-09	6.57E-11	8.68E-09
3561	469976.99	3818632.16	2.50E-08	9.68E-08	1.28E-09	1.23E-07	2.08E-08	7.11E-08	9.20E-10	9.28E-08	2.36E-09	1.25E-08	2.19E-10	1.50E-08	2.14E-09	6.52E-09	6.61E-11	8.73E-09
3562	469985.82	3818628.66	2.51E-08	9.73E-08	1.29E-09	1.24E-07	2.09E-08	7.15E-08	9.26E-10	9.34E-08	2.37E-09	1.25E-08	2.20E-10	1.51E-08	2.15E-09	6.56E-09	6.65E-11	8.78E-09
3563	469994.65	3818625.17	2.52E-08	9.79E-08	1.30E-09	1.24E-07	2.10E-08	7.20E-08	9.31E-10	9.39E-08	2.38E-09	1.26E-08	2.21E-10	1.52E-08	2.17E-09	6.60E-09	6.69E-11	8.83E-09
3564	470003.48	3818621.67	2.54E-08	9.85E-08	1.30E-09	1.25E-07	2.12E-08	7.24E-08	9.37E-10	9.45E-08	2.40E-09	1.27E-08	2.23E-10	1.53E-08	2.18E-09	6.64E-09	6.73E-11	8.89E-09
3565	470012.31	3818618.17	2.55E-08	9.90E-08	1.31E-09	1.26E-07	2.13E-08	7.28E-08	9.42E-10	9.50E-08	2.41E-09	1.27E-08	2.24E-10	1.54E-08	2.19E-09	6.67E-09	6.77E-11	8.93E-09
3566	470021.14	3818614.67	2.57E-08	9.95E-08	1.32E-09	1.27E-07	2.14E-08	7.31E-08	9.47E-10	9.55E-08	2.42E-09	1.28E-08	2.25E-10	1.55E-08	2.20E-09	6.71E-09	6.80E-11	8.98E-09
3567	470029.97	3818611.18	2.58E-08	1.00E-07	1.33E-09	1.27E-07	2.15E-08	7.35E-08	9.51E-10	9.59E-08	2.44E-09	1.29E-08	2.26E-10	1.55E-08	2.21E-09	6.74E-09	6.84E-11	9.03E-09
3568	470038.8	3818607.68	2.59E-08	1.00E-07	1.33E-09	1.28E-07	2.16E-08	7.38E-08	9.56E-10	9.64E-08	2.45E-09	1.29E-08	2.27E-10	1.56E-08	2.22E-09	6.77E-09	6.87E-11	9.07E-09
3569	470047.63	3818604.18	2.60E-08	1.01E-07	1.34E-09	1.28E-07	2.17E-08	7.41E-08	9.59E-10	9.68E-08	2.46E-09	1.30E-08	2.28E-10	1.57E-08	2.23E-09	6.80E-09	6.90E-11	9.10E-09
3570	470056.46	3818600.69	2.61E-08	1.01E-07	1.34E-09	1.29E-07	2.17E-08	7.44E-08	9.63E-10	9.71E-08	2.47E-09	1.30E-08	2.29E-10	1.57E-08	2.24E-09	6.83E-09	6.92E-11	9.14E-09
3571	470065.29	3818597.19	2.62E-08	1.02E-07	1.35E-09	1.29E-07	2.18E-08	7.46E-08	9.66E-10	9.74E-08	2.47E-09	1.31E-08	2.29E-10	1.58E-08	2.25E-09	6.85E-09	6.94E-11	9.16E-09
3572	470074.12	3818593.69	2.62E-08	1.02E-07	1.35E-09	1.29E-07	2.19E-08	7.48E-08	9.68E-10	9.76E-08	2.48E-09	1.31E-08	2.30E-10	1.58E-08	2.25E-09	6.86E-09	6.96E-11	9.18E-09
3573	470082.95	3818590.19	2.63E-08	1.02E-07	1.35E-09	1.30E-07	2.19E-08	7.49E-08	9.69E-10	9.77E-08	2.48E-09	1.31E-08	2.30E-10	1.58E-08	2.26E-09	6.87E-09	6.97E-11	9.19E-09
3574	470091.78	3818586.7	2.63E-08	1.02E-07	1.35E-09	1.30E-07	2.19E-08	7.49E-08	9.70E-10	9.78E-08	2.48E-09	1.31E-08	2.30E-10	1.58E-08	2.26E-09	6.87E-09	6.97E-11	9.20E-09
3575	470100.61	3818583.2	2.63E-08	1.02E-07	1.35E-09	1.29E-07	2.19E-08	7.49E-08	9.69E-10	9.77E-08	2.48E-09	1.31E-08	2.30E-10	1.58E-08	2.25E-09	6.87E-09	6.96E-11	9.19E-09
3576	470109.44	3818579.7	2.62E-08	1.02E-07	1.35E-09	1.29E-07	2.18E-08	7.47E-08	9.66E-10	9.75E-08	2.47E-09	1.31E-08	2.30E-10	1.58E-08	2.25E-09	6.85E-09	6.95E-11	9.17E-09
3577	469448.7	3819242.22	7.92E-09	3.07E-08	4.07E-10	3.91E-08	6.60E-09	2.26E-08	2.92E-10	2.95E-08	7.48E-10	3.96E-09	6.94E-11	4.77E-09	6.80E-10	2.07E-09	2.10E-11	2.77E-09
3578	469448.5	3819251.87	8.03E-09	3.11E-08	4.13E-10	3.96E-08	6.69E-09	2.29E-08	2.96E-10	2.99E-08	7.58E-10	4.01E-09	7.04E-11	4.84E-09	6.89E-10	2.10E-09	2.13E-11	2.81E-09
3579	469448.31	3819261.52	8.14E-09	3.16E-08	4.18E-10	4.01E-08	6.78E-09	2.32E-08	3.00E-10	3.03E-08	7.69E-10	4.06E-09	7.13E-11	4.90E-09	6.99E-10	2.13E-09	2.16E-11	2.85E-09
3580	469448.12	3819271.17	8.26E-09	3.21E-08	4.25E-10	4.07E-08	6.88E-09	2.36E-08	3.05E-10	3.07E-08	7.80E-10	4.13E-09	7.24E-11	4.98E-09	7.09E-10	2.16E-09	2.19E-11	2.89E-09
3581	469447.92	3819280.82	8.40E-09	3.26E-08	4.31E-10	4.14E-08	6.99E-09	2.39E-08	3.10E-10	3.12E-08	7.93E-10	4.19E-09	7.36E-11	5.06E-09	7.21E-10	2.19E-09	2.23E-11	2.94E-09
3582	469447.73	3819290.46	8.54E-09	3.31E-08	4.39E-10	4.21E-08	7.12E-09	2.44E-08	3.15E-10	3.18E-08	8.07E-10	4.27E-09	7.49E-11	5.15E-09	7.34E-10	2.23E-09	2.27E-11	2.99E-09
3583	469447.54	3819300.11	8.70E-09	3.38E-08	4.47E-10	4.29E-08	7.25E-09	2.48E-08	3.21E-10	3.24E-08	8.22E-10	4.35E-09	7.63E-11	5.24E-09	7.47E-10	2.28E-09	2.31E-11	3.05E-09
3584	469447.34	3819309.76	8.88E-09	3.44E-08	4.56E-10	4.38E-08	7.40E-09	2.53E-08	3.27E-10	3.30E-08	8.38E-10	4.43E-09	7.78E-11	5.35E-09	7.62E-10	2.32E-09	2.35E-11	3.11E-09
3585	469447.15	3819319.41	9.06E-09	3.51E-08	4.65E-10	4.47E-08	7.54E-09	2.58E-08	3.34E-10	3.37E-08	8.55E-10	4.52E-09	7.94E-11	5.46E-09	7.78E-10	2.37E-09	2.40E-11	3.17E-09
3586	469446.96	3819329.06	9.24E-09	3.58E-08	4.75E-10	4.55E-08	7.69E-09	2.63E-08	3.41E-10	3.44E-08	8.72E-10	4.61E-09	8.09E-11	5.56E-09	7.93E-10	2.41E-09	2.45E-11	3.23E-09
3587	469446.76	3819338.71	9.42E-09	3.65E-08	4.84E-10	4.64E-08	7.85E-09	2.68E-08	3.47E-10	3.50E-08	8.90E-10	4.70E-09	8.26E-11	5.68E-09	8.09E-10	2.46E-09	2.50E-11	3.30E-09
3588	469446.57	3819348.35	9.62E-09	3.73E-08	4.94E-10	4.74E-08	8.01E-09	2.74E-08	3.55E-10	3.58E-08	9.08E-10	4.80E-09	8.43E-11	5.79E-09	8.26E-10	2.51E-09	2.55E-11	3.37E-09
3589	469446.38	3819358	9.82E-09	3.81E-08	5.05E-10	4.84E-08	8.18E-09	2.80E-08	3.62E-10	3.65E-08	9.28E-10	4.91E-09	8.61E-11	5.92E-09	8.43E-10	2.57E-09	2.60E-11	3.44E-09
3590	469446.18	3819367.65	1.00E-08	3.90E-08	5.16E-10	4.95E-08	8.37E-09	2.86E-08	3.70E-10	3.74E-08	9.48E-10	5.01E-09	8.80E-11	6.05E-09	8.62E-10	2.63E-09	2.66E-11	3.51E-09
3591	469445.99	3819377.3	1.03E-08	3.98E-08	5.28E-10	5.06E-08	8.56E-09	2.93E-08	3.79E-10	3.82E-08	9.70E-10	5.13E-09	9.00E-11	6.19E-09	8.82E-10	2.69E-09	2.72E-11	3.59E-09
3592	469445.8	3819386.95	1.05E-08	4.08E-08	5.40E-10	5.18E-08	8.75E-09	2.99E-08	3.88E-10	3.91E-08	9.92E-10	5.25E-09	9.21E-11	6.33E-09	9.02E-10	2.75E-09	2.79E-11	3.68E-09
3593	469445.6	3819396.59	1.08E-08	4.17E-08	5.53E-10	5.30E-08	8.96E-09	3.07E-08	3.97E-10	4.00E-08	1.02E-09	5.37E-09	9.43E-11	6.48E-09	9.23E-10	2.81E-09	2.85E-11	3.76E-09
3594	469445.41	3819406.24	1.10E-08	4.27E-08	5.66E-10	5.43E-08	9.18E-09	3.14E-08	4.06E-10	4.10E-08	1.04E-09	5.50E-09	9.65E-11	6.64E-09	9.46E-10	2.88E-09	2.92E-11	3.86E-09
3595	469445.22	3819415.89	1.13E-08	4.38E-08	5.80E-10	5.56E-08	9.40E-09	3.22E-08	4.16E-10	4.20E-08	1.07E-09	5.63E-09	9.89E-11	6.80E-09	9.69E-10	2.95E-09	2.99E-11	3.95E-09
3596	469445.03	3819425.54	1.16E-08	4.49E-08	5.94E-10	5.70E-08	9.64E-09	3.30E-08	4.27E-10	4.30E-08	1.09E-09	5.78E-09	1.01E-10	6.97E-09	9.93E-10	3.02E-09	3.07E-11	4.05E-09
3597	469444.83	3819435.19	1.19E-08	4.60E-08	6.10E-10	5.85E-08	9.89E-09	3.38E-08	4.38E-10	4.41E-08	1.12E-09	5.93E-09	1.04E-10	7.15E-09	1.02E-09	3.10E-09	3.15E-11	4.15E-09
3598	469454.82	3819117.27	7.16E-09	2.78E-08	3.68E-10	3.53E-08	5.96E-09	2.04E-08	2.64E-10	2.66E-08	6.76E-10	3.57E-09	6.27E-11	4.31E-09	6.15E-10	1.87E-09	1.90E-11	2.51E-09
3599	469458.63	3819108.53	7.25E-09	2.81E-08	3.73E-10	3.58E-08	6.04E-09	2.07E-08	2.68E-10	2.70E-08	6.85E-10	3.62E-09	6.36E-11	4.37E-09	6.23E-10	1.90E-09	1.92E-11	2.54E-09
3600	469462.44	3819099.79	7.36E-09	2.86E-08	3.78E-10	3.63E-08	6.13E-09	2.10E-08	2.72E-10	2.74E-08	6.95E-10	3.68E-09	6.45E-11	4.44E-09	6.32E-10	1.92E-09	1.95E-11	2.58E-09
3601	469466.25	3819091.05	7.48E-09	2.90E-08	3.84E-10	3.69E-08	6.23E-09	2.13E-08	2.76E-10	2.78E-08	7.06E-10	3.73E-09	6.55E-11	4.51E-09	6.42E-10	1.96E-09	1.98E-11	2.62E-09
3602	469470.06	3819082.32	7.60E-09	2.95E-08	3.91E-10	3.75E-08	6.33E-09	2.17E-08	2.80E-10	2.83E-08	7.18E-10	3.80E-09	6.66E-11	4.58E-09	6.53E-10	1.99E-09	2.02E-11	2.66E-09
3603	469473.87	3819073.58	7.73E-09	3.00E-08	3.97E-10	3.81E-08	6.44E-09	2.20E-08	2.85E-10	2.88E-08	7.30E-10	3.86E-09	6.78E-11	4.66E-09	6.64E-10	2.02E-09	2.05E-11	2.71E-09
3604	469477.68	3819064.84	7.89E-09	3.06E-08	4.05E-10	3.89E-08	6.57E-09	2.25E-08	2.91E-10	2.93E-08	7.45E-10	3.94E-09	6.91E-11	4.75E-09	6.77E-10	2.06E-09	2.09E-11	2.76E-09
3605	469500.55	3819012.41	8.93E-09	3.46E-08	4.59E-10	4.40E-08	7.44E-09	2.55E-08	3.29E-10	3.32E-08	8.43E-10	4.46E-09	7.83E-11	5.38E-09	7.67E-10	2.33E-09	2.37E-11	3.12E-09
3606	469504.36	3819003.67	9.11E-09	3.53E-08	4.68E-10	4.49E-08	7.59E-09	2.60E-08	3.36E-10	3.39E-08	8.60E-10	4.55E-09	7.98E-11	5.49E-09	7.82E-10	2.38E-09	2.41E-11	3.19E-09
3607	469508.17	3818994.93	9.29E-09	3.60E-08	4.77E-10	4.58E-08	7.74E-09	2.65E-08	3.43E-10	3.46E-08	8.77E-10	4.64E-09	8.14E-11	5.60E-09	7.98E-10	2.43E-09	2.46E-11	3.25E-09
3608	469511.98	3818986.2	9.48E-09	3.68E-08	4.87E-10	4.67E-08	7.89E-09	2.70E-08	3.49E-10	3.52E-08	8.95E-10	4.73E-09	8.30E-11	5.71E-09	8.13E-10	2.48E-09	2.51E-11	3.32E-09
3609	469515.79	3818977.46	9.68E-09	3.75E-08	4.97E-10	4.77E-08	8.06E-09	2.76E-08	3.57E-10	3.60E-08	9.14E-10	4.83E-09	8.48E-11	5.83E-09	8.31E-10	2.53E-09	2.57E-11	3.39E-09
3610	469519.6	3818968.72	9.88E-09	3.83E-08	5.08E-10	4.87E-08	8.23E-09	2.82E-08	3.64E-10	3.67E-08	9.33E-10	4.93E-09	8.66E-11	5.95E-09	8.48E-10	2.58E-09	2.62E-11	3.46E-09
3611	469523.41	3818959.98	1.01E-08	3.91E-08	5.18E-10	4.97E-08	8.40E-09	2.87E-08	3.72E-10	3.75E-08	9.52E-10	5.03E-09	8.83E-11	6.07E-09	8.65E-10	2.63E-09	2.67E-11	3.53E-09
3612	469527.23	3818951.24	1.03E-08	3.99E-08	5.28E-10	5.07E-08	8.56E-09	2.93E-08	3.79E-10	3.82E-08	9.70E-10	5.13E-09	9.00E-11	6.19E-09	8.82E-10	2.69E-09	2.72E-11	3.60E-09
3613	469531.04	3818942.51	1.05E-08	4.06E-08	5.38E-10	5.16E-08	8.72E-09	2.98E-08	3.86E-10	3.89E-08	9.89E-10	5.23E-09	9.17E-11	6.31E-09	8.99E-10	2.74E-09	2.78E-11	3.66E-09
3614	469534.85	3818933.77	1.07E-08	4.13E-08	5.48E-10	5.26E-08	8.88E-09	3.04E-08	3.93E-10	3.97E-08	1.01E-09	5.32E-09	9.34E-11	6.42E-09	9.15E-10	2.79E-09	2.83E-11	3.73E-09
3615	469538.66	3818925.03	1.09E-08	4.21E-08	5.57E-10	5.35E-08	9.04E-09	3.09E-08	4.00E-10	4.04E-08	1.02E-09	5.42E-09	9.51E-11	6.54E-09	9.31E-10	2.84E-09	2.88E-11	3.80E-09
3616	469607.25	3818767.74	1.32E-08	5.13E-08	6.80E-10	6.52E-08	1.10E-08	3.77E-08	4.88E-10	4.92E-08	1.25E-09	6.61E-09	1.16E-10	7.97E-09	1.14E-09	3.46E-09	3.51E-11	4.63E-09
3617	469611.06	3818759	1.33E-08	5.16E-08	6.83E-10	6.56E-08	1.11E-08	3.79E-08	4.90E-10	4.95E-08	1.26E-09	6.64E-09	1.17E-10	8.01E-09	1.14E-09	3.48E-09	3.53E-11	4.65E-09
3618	469614.87	3818750.27	1.34E-08	5.18E-08	6.86E-10	6.58E-08	1.11E-08	3.81E-08	4.93E-10	4.97E-08	1.26E-09	6.67E-09	1.17E-10	8.05E-09	1.15E-09	3.49E-09	3.54E-11	4.67E-09
3619	469618.68	3818741.53	1.34E-08	5.20E-08	6.89E-10	6.61E-08	1.12E-08	3.82E-08	4.95E-10	4.99E-08	1.27E-09	6.70E-09	1.18E-10	8.08E-09	1.15E-09	3.51E-09	3.56E-11	4.69E-09
3620	469631.36	3818729.28	1.38E-08	5.35E-08	7.09E-10	6.80E-08	1.15E-08	3.93E-08	5.09E-10	5.13E-08	1.30E-09	6.89E-09	1.21E-10	8.31E-09	1.18E-09	3.61E-09	3.66E-11	4.83E-09
3621	469640.22	3818725.77	1.41E-08	5.47E-08	7.25E-10	6.95E-08	1.18E-08	4.02E-08	5.20E-10	5.25E-08	1.33E-09	7.04E-09	1.24E-10	8.50E-09	1.21E-09	3.69E-09	3.74E-11	4.94E-09
3622	469649.08	3818722.26	1.44E-08	5.59E-08	7.41E-10	7.11E-08	1.20E-08	4.11E-08	5.32E-10	5.36E-08	1.36E-09	7.20E-09	1.26E-10	8.69E-09	1.24E-09	3.77E-09	3.82E-11	5.05E-09
3623	469657.95	3818718.75	1.47E-08	5.71E-08	7.57E-10	7.26E-08	1.23E-08	4.20E-08	5.43E-10	5.48E-08	1.39E-09	7.35E-09	1.29E-10	8.87E-09	1.26E-09	3.85E-09	3.90E-11	5.15E-09
3624	469666.81	3818715.24	1.50E-08	5.83E-08	7.73E-10	7.41E-08	1.25E-08	4.28E-08	5.55E-10	5.59E-08	1.42E-09	7.51E-09	1.32E-10	9.06E-09	1.29E-09	3.93E-09	3.99E-11	5.26E-09
3625	469675.67	3818711.73	1.53E-08	5.95E-08	7.88E-10	7.56E-08	1.28E-08	4.37E-08	5.66E-10	5.70E-08	1.45E-09	7.66E-09	1.34E-10	9.24E-09	1.32E-09	4.01E-09	4.07E-11	5.37E-09
3626	469711.13	3818697.69	1.65E-08	6.40E-08	8.48E-10	8.14E-08	1.37E-08	4.70E-08	6.09E-10	6.14E-08	1.56E-09	8.24E-09	1.45E-10	9.94E-09	1.42E-09	4.31E-09	4.38E-11	5.77E-09
3627	469719.99	3818694.18	1.68E-08	6.51E-08	8.62E-10	8.27E-08	1.40E-08	4.78E-08	6.19E-10	6.24E-08	1.58E-09	8.38E-09	1.47E-10	1.01E-08	1.44E-09	4.39E-09	4.45E-11	5.87E-09
3628	469728.85	3818690.67	1.71E-08	6.62E-08	8.77E-10	8.41E-08	1.42E-08	4.86E-08	6.29E-10	6.35E-08	1.61E-09	8.52E-09	1.50E-10	1.03E-08	1.46E-09	4.46E-09	4.52E-11	5.97E-09
3629	469737.72	3818687.15	1.73E-08	6.73E-08	8.91E-10	8.55E-08	1.44E-08	4.94E-08	6.40E-10	6.45E-08	1.64E-09	8.66E-09	1.52E-10	1.04E-08	1.49E-09	4.53E-09	4.60E-11	6.07E-09
3630	469746.58	3818683.64	1.76E-08	6.83E-08	9.05E-10	8.68E-08	1.47E-08	5.02E-08	6.50E-10	6.55E-08	1.66E-09	8.80E-09	1.54E-10	1.06E-08	1.51E-09	4.61E-09	4.67E-11	6.16E-09
3631	469755.44	3818680.13	1.79E-08	6.93E-08	9.18E-10	8.81E-08	1.49E-08	5.09E-08	6.59E-10	6.65E-08	1.69E-09	8.92E-09	1.57E-10	1.08E-08	1.53E-09	4.67E-09	4.74E-11	6.25E-09
3632	469764.31	3818676.62	1.81E-08	7.02E-08	9.31E-10	8.93E-08	1.51E-08	5.16E-08	6.68E-10	6.74E-08	1.71E-09	9.04E-09	1.59E-10	1.09E-08	1.55E-09	4.73E-09	4.80E-11	6.34E-09
3633	469773.17	3818673.11	1.84E-08	7.12E-08	9.43E-10	9.05E-08	1.53E-08	5.23E-08	6.77E-10	6.83E-08	1.73E-09	9.16E-09	1.61E-10	1.11E-08	1.58E-09	4.80E-09	4.86E-11	6.42E-09
3634	469782.03	3818669.6	1.86E-08	7.21E-08	9.55E-10	9.17E-08	1.55E-08	5.30E-08	6.86E-10	6.92E-08	1.76E-09	9.28E-09	1.63E-10	1.12E-08	1.60E-09	4.86E-09	4.93E-11	6.51E-09
3635	469790.9	3818666.09	1.88E-08	7.30E-08	9.67E-10	9.28E-08	1.57E-08	5.37E-08	6.94E-10	7.00E-08	1.78E-09	9.40E-09	1.65E-10	1.13E-08	1.62E-09	4.92E-09	4.99E-11	6.59E-09
3636	469799.76	3818662.58	1.91E-08	7.39E-08	9.79E-10	9.39E-08	1.59E-08	5.43E-08	7.03E-10	7.09E-08	1.80E-09	9.51E-09	1.67E-10	1.15E-08	1.64E-09	4.98E-09	5.05E-11	6.67E-09
3637	469808.62	3818659.07	1.93E-08	7.47E-08	9.90E-10	9.50E-08	1.60E-08	5.49E-08	7.10E-10	7.17E-08	1.82E-09	9.62E-09	1.69E-10	1.16E-08	1.65E-09	5.04E-09	5.11E-11	6.74E-09
3638	469817.48	3818655.56	1.95E-08	7.56E-08	1.00E-09	9.61E-08	1.62E-08	5.55E-08	7.19E-10	7.25E-08	1.84E-09	9.73E-09	1.71E-10	1.17E-08	1.67E-09	5.09E-09	5.17E-11	6.82E-09
3639	469826.35	3818652.05	1.97E-08	7.65E-08	1.01E-09	9.72E-08	1.64E-08	5.62E-08	7.27E-10	7.33E-08	1.86E-09	9.84E-09	1.73E-10	1.19E-08	1.69E-09	5.15E-09	5.23E-11	6.90E-09
3640	469835.21	3818648.54	1.99E-08	7.73E-08	1.02E-09	9.83E-08	1.66E-08	5.68E-08	7.35E-10	7.41E-08	1.88E-09	9.95E-09	1.75E-10	1.20E-08	1.71E-09	5.21E-09	5.28E-11	6.97E-09
3641	469844.07	3818645.03	2.01E-08	7.81E-08	1.03E-09	9.93E-08	1.68E-08	5.74E-08	7.42E-10	7.49E-08	1.90E-09	1.01E-08	1.76E-10	1.21E-08	1.73E-09	5.26E-09	5.34E-11	7.04E-09
3642	469852.94	3818641.52	2.03E-08	7.88E-08	1.04E-09	1.00E-07	1.69E-08	5.79E-08	7.50E-10	7.56E-08	1.92E-09	1.01E-08	1.78E-10	1.22E-08	1.75E-09	5.31E-09	5.39E-11	7.11E-09
3643	469861.8	3818638.01	2.05E-08	7.96E-08	1.05E-09	1.01E-07	1.71E-08	5.85E-08	7.57E-10	7.63E-08	1.94E-09	1.02E-08	1.80E-10	1.24E-08	1.76E-09	5.37E-09	5.44E-11	7.18E-09
3644	469870.66	3818634.5	2.07E-08	8.04E-08	1.06E-09	1.02E-07	1.73E-08	5.90E-08	7.64E-10	7.71E-08	1.96E-09	1.03E-08	1.82E-10	1.25E-08	1.78E-09	5.42E-09	5.49E-11	7

3645	469879.53	3818630.99	2.09E-08	8.10E-08	1.07E-09	1.03E-07	1.74E-08	5.95E-08	7.70E-10	7.77E-08	1.97E-09	1.04E-08	1.83E-10	1.26E-08	1.79E-09	5.46E-09	5.54E-11	7.31E-09
3646	469888.39	3818627.48	2.11E-08	8.17E-08	1.08E-09	1.04E-07	1.75E-08	6.00E-08	7.77E-10	7.83E-08	1.99E-09	1.05E-08	1.85E-10	1.27E-08	1.81E-09	5.50E-09	5.58E-11	7.37E-09
3647	469897.25	3818623.97	2.12E-08	8.23E-08	1.09E-09	1.05E-07	1.77E-08	6.05E-08	7.82E-10	7.89E-08	2.00E-09	1.06E-08	1.86E-10	1.28E-08	1.82E-09	5.55E-09	5.62E-11	7.42E-09
3648	469906.12	3818620.46	2.14E-08	8.29E-08	1.10E-09	1.05E-07	1.78E-08	6.10E-08	7.89E-10	7.96E-08	2.02E-09	1.07E-08	1.87E-10	1.29E-08	1.84E-09	5.59E-09	5.67E-11	7.48E-09
3649	469914.98	3818616.95	2.16E-08	8.36E-08	1.11E-09	1.06E-07	1.80E-08	6.14E-08	7.95E-10	8.02E-08	2.04E-09	1.08E-08	1.89E-10	1.30E-08	1.85E-09	5.63E-09	5.71E-11	7.54E-09
3650	469959.3	3818599.4	2.22E-08	8.61E-08	1.14E-09	1.10E-07	1.85E-08	6.33E-08	8.19E-10	8.26E-08	2.10E-09	1.11E-08	1.95E-10	1.34E-08	1.91E-09	5.81E-09	5.89E-11	7.77E-09
3651	469968.16	3818595.89	2.24E-08	8.67E-08	1.15E-09	1.10E-07	1.86E-08	6.37E-08	8.25E-10	8.32E-08	2.11E-09	1.12E-08	1.96E-10	1.35E-08	1.92E-09	5.85E-09	5.93E-11	7.82E-09
3652	469977.02	3818592.38	2.25E-08	8.73E-08	1.16E-09	1.11E-07	1.88E-08	6.42E-08	8.31E-10	8.38E-08	2.13E-09	1.12E-08	1.97E-10	1.36E-08	1.93E-09	5.89E-09	5.97E-11	7.88E-09
3653	469985.88	3818588.86	2.27E-08	8.79E-08	1.16E-09	1.12E-07	1.89E-08	6.46E-08	8.36E-10	8.43E-08	2.14E-09	1.13E-08	1.99E-10	1.37E-08	1.95E-09	5.93E-09	6.01E-11	7.93E-09
3654	469994.75	3818585.35	2.28E-08	8.84E-08	1.17E-09	1.12E-07	1.90E-08	6.50E-08	8.41E-10	8.48E-08	2.15E-09	1.14E-08	2.00E-10	1.37E-08	1.96E-09	5.96E-09	6.04E-11	7.98E-09
3655	470003.61	3818581.84	2.29E-08	8.89E-08	1.18E-09	1.13E-07	1.91E-08	6.53E-08	8.46E-10	8.53E-08	2.17E-09	1.14E-08	2.01E-10	1.38E-08	1.97E-09	5.99E-09	6.08E-11	8.02E-09
3656	470012.47	3818578.33	2.31E-08	8.95E-08	1.19E-09	1.14E-07	1.92E-08	6.57E-08	8.51E-10	8.58E-08	2.18E-09	1.15E-08	2.02E-10	1.39E-08	1.98E-09	6.03E-09	6.12E-11	8.07E-09
3657	470021.34	3818574.82	2.32E-08	9.00E-08	1.19E-09	1.14E-07	1.93E-08	6.61E-08	8.56E-10	8.63E-08	2.19E-09	1.16E-08	2.03E-10	1.40E-08	1.99E-09	6.07E-09	6.15E-11	8.12E-09
3658	470030.2	3818571.31	2.33E-08	9.04E-08	1.20E-09	1.15E-07	1.94E-08	6.64E-08	8.60E-10	8.67E-08	2.20E-09	1.16E-08	2.04E-10	1.40E-08	2.00E-09	6.09E-09	6.18E-11	8.16E-09
3659	470039.06	3818567.8	2.34E-08	9.08E-08	1.20E-09	1.15E-07	1.95E-08	6.67E-08	8.64E-10	8.71E-08	2.21E-09	1.17E-08	2.05E-10	1.41E-08	2.01E-09	6.12E-09	6.21E-11	8.19E-09
3660	470047.93	3818564.29	2.35E-08	9.11E-08	1.21E-09	1.16E-07	1.96E-08	6.70E-08	8.67E-10	8.74E-08	2.22E-09	1.17E-08	2.06E-10	1.42E-08	2.02E-09	6.14E-09	6.23E-11	8.22E-09
3661	470056.79	3818560.78	2.36E-08	9.14E-08	1.21E-09	1.16E-07	1.96E-08	6.72E-08	8.69E-10	8.77E-08	2.23E-09	1.18E-08	2.07E-10	1.42E-08	2.02E-09	6.16E-09	6.25E-11	8.25E-09
3662	470065.65	3818557.27	2.36E-08	9.16E-08	1.21E-09	1.16E-07	1.97E-08	6.73E-08	8.72E-10	8.79E-08	2.23E-09	1.18E-08	2.07E-10	1.42E-08	2.03E-09	6.18E-09	6.26E-11	8.27E-09
3663	470074.52	3818553.76	2.37E-08	9.18E-08	1.22E-09	1.17E-07	1.97E-08	6.75E-08	8.73E-10	8.81E-08	2.24E-09	1.18E-08	2.08E-10	1.43E-08	2.03E-09	6.19E-09	6.28E-11	8.29E-09
3664	470083.38	3818550.25	2.37E-08	9.20E-08	1.22E-09	1.17E-07	1.97E-08	6.76E-08	8.74E-10	8.82E-08	2.24E-09	1.18E-08	2.08E-10	1.43E-08	2.04E-09	6.20E-09	6.29E-11	8.30E-09
3665	470092.24	3818546.74	2.37E-08	9.20E-08	1.22E-09	1.17E-07	1.97E-08	6.76E-08	8.74E-10	8.82E-08	2.24E-09	1.18E-08	2.08E-10	1.43E-08	2.04E-09	6.20E-09	6.29E-11	8.30E-09
3666	470101.11	3818543.23	2.37E-08	9.19E-08	1.22E-09	1.17E-07	1.97E-08	6.75E-08	8.74E-10	8.81E-08	2.24E-09	1.18E-08	2.08E-10	1.43E-08	2.03E-09	6.19E-09	6.28E-11	8.29E-09
3667	470109.97	3818539.72	2.36E-08	9.16E-08	1.21E-09	1.16E-07	1.97E-08	6.73E-08	8.71E-10	8.79E-08	2.23E-09	1.18E-08	2.07E-10	1.42E-08	2.03E-09	6.18E-09	6.26E-11	8.27E-09
3668	469408.7	3819241.42	7.07E-09	2.74E-08	3.63E-10	3.49E-08	5.89E-09	2.02E-08	2.61E-10	2.63E-08	6.68E-10	3.53E-09	6.20E-11	4.26E-09	6.07E-10	1.85E-09	1.87E-11	2.47E-09
3669	469408.51	3819251.07	7.18E-09	2.79E-08	3.69E-10	3.54E-08	5.98E-09	2.05E-08	2.65E-10	2.67E-08	6.78E-10	3.59E-09	6.29E-11	4.33E-09	6.16E-10	1.88E-09	1.90E-11	2.51E-09
3670	469408.32	3819260.72	7.29E-09	2.83E-08	3.74E-10	3.59E-08	6.07E-09	2.08E-08	2.69E-10	2.71E-08	6.88E-10	3.64E-09	6.39E-11	4.39E-09	6.26E-10	1.90E-09	1.93E-11	2.55E-09
3671	469408.12	3819270.37	7.40E-09	2.87E-08	3.80E-10	3.65E-08	6.16E-09	2.11E-08	2.73E-10	2.75E-08	6.98E-10	3.69E-09	6.48E-11	4.46E-09	6.35E-10	1.93E-09	1.96E-11	2.59E-09
3672	469407.93	3819280.02	7.51E-09	2.91E-08	3.86E-10	3.70E-08	6.25E-09	2.14E-08	2.77E-10	2.79E-08	7.09E-10	3.75E-09	6.58E-11	4.52E-09	6.45E-10	1.96E-09	1.99E-11	2.63E-09
3673	469407.74	3819289.66	7.63E-09	2.96E-08	3.92E-10	3.76E-08	6.36E-09	2.18E-08	2.81E-10	2.84E-08	7.21E-10	3.81E-09	6.69E-11	4.60E-09	6.55E-10	2.00E-09	2.02E-11	2.67E-09
3674	469407.54	3819299.31	7.76E-09	3.01E-08	3.99E-10	3.83E-08	6.46E-09	2.21E-08	2.86E-10	2.89E-08	7.33E-10	3.87E-09	6.80E-11	4.67E-09	6.66E-10	2.03E-09	2.06E-11	2.72E-09
3675	469407.35	3819308.96	7.89E-09	3.06E-08	4.06E-10	3.89E-08	6.58E-09	2.25E-08	2.91E-10	2.94E-08	7.45E-10	3.94E-09	6.92E-11	4.76E-09	6.78E-10	2.06E-09	2.09E-11	2.76E-09
3676	469407.16	3819318.61	8.04E-09	3.12E-08	4.13E-10	3.96E-08	6.69E-09	2.29E-08	2.96E-10	2.99E-08	7.59E-10	4.01E-09	7.04E-11	4.84E-09	6.90E-10	2.10E-09	2.13E-11	2.81E-09
3677	469406.97	3819328.26	8.19E-09	3.18E-08	4.21E-10	4.04E-08	6.82E-09	2.33E-08	3.02E-10	3.05E-08	7.73E-10	4.09E-09	7.18E-11	4.93E-09	7.03E-10	2.14E-09	2.17E-11	2.87E-09
3678	469406.77	3819337.91	8.34E-09	3.24E-08	4.29E-10	4.11E-08	6.95E-09	2.38E-08	3.08E-10	3.10E-08	7.88E-10	4.17E-09	7.31E-11	5.03E-09	7.16E-10	2.18E-09	2.21E-11	2.92E-09
3679	469406.58	3819347.55	8.51E-09	3.30E-08	4.37E-10	4.19E-08	7.09E-09	2.42E-08	3.14E-10	3.16E-08	8.03E-10	4.25E-09	7.46E-11	5.13E-09	7.30E-10	2.22E-09	2.26E-11	2.98E-09
3680	469406.39	3819357.2	8.70E-09	3.37E-08	4.47E-10	4.29E-08	7.24E-09	2.48E-08	3.21E-10	3.24E-08	8.21E-10	4.34E-09	7.62E-11	5.24E-09	7.47E-10	2.27E-09	2.31E-11	3.04E-09
3681	469406.19	3819366.85	8.89E-09	3.45E-08	4.57E-10	4.38E-08	7.40E-09	2.53E-08	3.28E-10	3.31E-08	8.40E-10	4.44E-09	7.79E-11	5.36E-09	7.63E-10	2.32E-09	2.36E-11	3.11E-09
3682	469406	3819376.5	9.09E-09	3.53E-08	4.67E-10	4.48E-08	7.57E-09	2.59E-08	3.35E-10	3.38E-08	8.59E-10	4.54E-09	7.97E-11	5.48E-09	7.81E-10	2.38E-09	2.41E-11	3.18E-09
3683	469405.81	3819386.15	9.29E-09	3.60E-08	4.78E-10	4.58E-08	7.74E-09	2.65E-08	3.43E-10	3.46E-08	8.78E-10	4.64E-09	8.14E-11	5.60E-09	7.98E-10	2.43E-09	2.46E-11	3.25E-09
3684	469405.61	3819395.79	9.50E-09	3.68E-08	4.88E-10	4.68E-08	7.91E-09	2.71E-08	3.50E-10	3.53E-08	8.97E-10	4.74E-09	8.32E-11	5.72E-09	8.15E-10	2.48E-09	2.52E-11	3.32E-09
3685	469405.42	3819405.44	9.71E-09	3.77E-08	4.99E-10	4.79E-08	8.09E-09	2.77E-08	3.58E-10	3.61E-08	9.17E-10	4.85E-09	8.51E-11	5.85E-09	8.34E-10	2.54E-09	2.57E-11	3.40E-09
3686	469405.23	3819415.09	9.94E-09	3.85E-08	5.11E-10	4.90E-08	8.28E-09	2.83E-08	3.66E-10	3.70E-08	9.38E-10	4.96E-09	8.71E-11	5.99E-09	8.53E-10	2.60E-09	2.63E-11	3.48E-09
3687	469405.03	3819424.74	1.02E-08	3.94E-08	5.23E-10	5.01E-08	8.47E-09	2.90E-08	3.75E-10	3.78E-08	9.60E-10	5.08E-09	8.91E-11	6.13E-09	8.73E-10	2.66E-09	2.70E-11	3.56E-09
3688	469404.84	3819434.39	1.04E-08	4.04E-08	5.35E-10	5.13E-08	8.67E-09	2.97E-08	3.84E-10	3.87E-08	9.83E-10	5.20E-09	9.13E-11	6.27E-09	8.94E-10	2.72E-09	2.76E-11	3.64E-09
3689	469375.13	3819114.99	5.64E-09	2.19E-08	2.90E-10	2.78E-08	4.69E-09	1.61E-08	2.08E-10	2.10E-08	5.32E-10	2.81E-09	4.94E-11	3.40E-09	4.84E-10	1.47E-09	1.49E-11	1.97E-09
3690	469378.97	3819106.2	5.69E-09	2.21E-08	2.93E-10	2.81E-08	4.74E-09	1.62E-08	2.10E-10	2.12E-08	5.38E-10	2.84E-09	4.99E-11	3.43E-09	4.89E-10	1.49E-09	1.51E-11	1.99E-09
3691	469382.8	3819097.4	5.76E-09	2.24E-08	2.96E-10	2.84E-08	4.80E-09	1.64E-08	2.13E-10	2.14E-08	5.44E-10	2.88E-09	5.05E-11	3.47E-09	4.95E-10	1.51E-09	1.53E-11	2.02E-09
3692	469386.64	3819088.61	5.84E-09	2.26E-08	3.00E-10	2.88E-08	4.86E-09	1.66E-08	2.15E-10	2.17E-08	5.51E-10	2.92E-09	5.12E-11	3.52E-09	5.01E-10	1.53E-09	1.55E-11	2.04E-09
3693	469390.47	3819079.81	5.92E-09	2.30E-08	3.04E-10	2.92E-08	4.93E-09	1.69E-08	2.18E-10	2.20E-08	5.59E-10	2.96E-09	5.19E-11	3.57E-09	5.08E-10	1.55E-09	1.57E-11	2.07E-09
3694	469394.31	3819071.02	6.00E-09	2.33E-08	3.08E-10	2.96E-08	5.00E-09	1.71E-08	2.21E-10	2.23E-08	5.67E-10	3.00E-09	5.26E-11	3.62E-09	5.15E-10	1.57E-09	1.59E-11	2.10E-09
3695	469398.14	3819062.22	6.08E-09	2.36E-08	3.13E-10	3.00E-08	5.07E-09	1.73E-08	2.24E-10	2.26E-08	5.74E-10	3.04E-09	5.33E-11	3.66E-09	5.22E-10	1.59E-09	1.61E-11	2.13E-09
3696	469401.98	3819053.43	6.17E-09	2.39E-08	3.17E-10	3.04E-08	5.14E-09	1.76E-08	2.28E-10	2.30E-08	5.83E-10	3.08E-09	5.41E-11	3.72E-09	5.30E-10	1.61E-09	1.64E-11	2.16E-09
3697	469405.81	3819044.63	6.27E-09	2.43E-08	3.22E-10	3.09E-08	5.22E-09	1.79E-08	2.31E-10	2.33E-08	5.92E-10	3.13E-09	5.50E-11	3.78E-09	5.38E-10	1.64E-09	1.66E-11	2.19E-09
3698	469409.65	3819035.84	6.39E-09	2.48E-08	3.28E-10	3.15E-08	5.32E-09	1.82E-08	2.36E-10	2.38E-08	6.03E-10	3.19E-09	5.60E-11	3.85E-09	5.48E-10	1.67E-09	1.69E-11	2.24E-09
3699	469413.48	3819027.05	6.52E-09	2.53E-08	3.35E-10	3.21E-08	5.43E-09	1.86E-08	2.40E-10	2.42E-08	6.15E-10	3.25E-09	5.71E-11	3.93E-09	5.59E-10	1.70E-09	1.73E-11	2.28E-09
3700	469417.32	3819018.25	6.65E-09	2.58E-08	3.42E-10	3.28E-08	5.54E-09	1.89E-08	2.45E-10	2.47E-08	6.28E-10	3.32E-09	5.82E-11	4.00E-09	5.71E-10	1.74E-09	1.76E-11	2.33E-09
3701	469421.16	3819009.46	6.78E-09	2.63E-08	3.48E-10	3.34E-08	5.65E-09	1.93E-08	2.50E-10	2.52E-08	6.40E-10	3.39E-09	5.94E-11	4.09E-09	5.82E-10	1.77E-09	1.80E-11	2.37E-09
3702	469424.99	3819000.66	6.92E-09	2.69E-08	3.56E-10	3.41E-08	5.77E-09	1.97E-08	2.55E-10	2.58E-08	6.54E-10	3.46E-09	6.07E-11	4.17E-09	5.94E-10	1.81E-09	1.84E-11	2.42E-09
3703	469428.83	3818991.87	7.07E-09	2.74E-08	3.63E-10	3.48E-08	5.89E-09	2.01E-08	2.61E-10	2.63E-08	6.67E-10	3.53E-09	6.19E-11	4.26E-09	6.07E-10	1.85E-09	1.87E-11	2.47E-09
3704	469432.66	3818983.07	7.21E-09	2.80E-08	3.71E-10	3.56E-08	6.01E-09	2.06E-08	2.66E-10	2.68E-08	6.81E-10	3.60E-09	6.32E-11	4.35E-09	6.19E-10	1.89E-09	1.91E-11	2.52E-09
3705	469436.5	3818974.28	7.36E-09	2.85E-08	3.78E-10	3.63E-08	6.13E-09	2.10E-08	2.71E-10	2.74E-08	6.95E-10	3.67E-09	6.45E-11	4.43E-09	6.31E-10	1.92E-09	1.95E-11	2.57E-09
3706	469440.33	3818965.48	7.50E-09	2.91E-08	3.85E-10	3.70E-08	6.25E-09	2.14E-08	2.77E-10	2.79E-08	7.08E-10	3.74E-09	6.57E-11	4.52E-09	6.44E-10	1.96E-09	1.99E-11	2.62E-09
3707	469444.17	3818956.69	7.65E-09	2.97E-08	3.93E-10	3.77E-08	6.37E-09	2.18E-08	2.82E-10	2.84E-08	7.22E-10	3.82E-09	6.70E-11	4.61E-09	6.56E-10	2.00E-09	2.03E-11	2.68E-09
3708	469448	3818947.89	7.81E-09	3.03E-08	4.01E-10	3.85E-08	6.50E-09	2.22E-08	2.88E-10	2.90E-08	7.37E-10	3.90E-09	6.84E-11	4.70E-09	6.70E-10	2.04E-09	2.07E-11	2.73E-09
3709	469451.84	3818939.1	7.97E-09	3.09E-08	4.09E-10	3.93E-08	6.64E-09	2.27E-08	2.94E-10	2.96E-08	7.52E-10	3.98E-09	6.98E-11	4.80E-09	6.84E-10	2.08E-09	2.11E-11	2.79E-09
3710	469455.67	3818930.31	8.12E-09	3.15E-08	4.17E-10	4.00E-08	6.77E-09	2.31E-08	3.00E-10	3.02E-08	7.67E-10	4.06E-09	7.12E-11	4.89E-09	6.97E-10	2.12E-09	2.15E-11	2.84E-09
3711	469459.51	3818921.51	8.28E-09	3.21E-08	4.25E-10	4.08E-08	6.90E-09	2.36E-08	3.05E-10	3.08E-08	7.82E-10	4.13E-09	7.26E-11	4.99E-09	7.11E-10	2.16E-09	2.19E-11	2.90E-09
3712	469463.35	3818912.72	8.43E-09	3.27E-08	4.33E-10	4.16E-08	7.02E-09	2.40E-08	3.11E-10	3.14E-08	7.96E-10	4.21E-09	7.39E-11	5.08E-09	7.24E-10	2.20E-09	2.24E-11	2.95E-09
3713	469467.18	3818903.92	8.58E-09	3.33E-08	4.41E-10	4.23E-08	7.15E-09	2.45E-08	3.17E-10	3.19E-08	8.11E-10	4.29E-09	7.52E-11	5.17E-09	7.37E-10	2.24E-09	2.28E-11	3.00E-09
3714	469471.02	3818895.13	8.73E-09	3.39E-08	4.49E-10	4.31E-08	7.27E-09	2.49E-08	3.22E-10	3.25E-08	8.25E-10	4.36E-09	7.65E-11	5.26E-09	7.50E-10	2.28E-09	2.32E-11	3.06E-09
3715	469474.85	3818886.33	8.88E-09	3.44E-08	4.56E-10	4.38E-08	7.39E-09	2.53E-08	3.27E-10	3.30E-08	8.38E-10	4.43E-09	7.78E-11	5.35E-09	7.62E-10	2.32E-09	2.35E-11	3.11E-09
3716	469478.69	3818877.54	9.01E-09	3.50E-08	4.63E-10	4.44E-08	7.51E-09	2.57E-08	3.32E-10	3.35E-08	8.51E-10	4.50E-09	7.90E-11	5.43E-09	7.74E-10	2.36E-09	2.39E-11	3.15E-09
3717	469482.52	3818868.74	9.15E-09	3.55E-08	4.70E-10	4.51E-08	7.62E-09	2.61E-08	3.37E-10	3.40E-08	8.64E-10	4.57E-09	8.02E-11	5.51E-09	7.85E-10	2.39E-09	2.43E-11	3.20E-09
3718	469547.72	3818719.24	1.08E-08	4.18E-08	5.54E-10	5.32E-08	8.98E-09	3.07E-08	3.98E-10	4.01E-08	1.02E-09	5.38E-09	9.45E-11	6.50E-09	9.26E-10	2.82E-09	2.86E-11	3.77E-09
3719	469551.56	3818710.44	1.09E-08	4.21E-08	5.57E-10	5.35E-08	9.04E-09	3.09E-08	4.00E-10	4.04E-08	1.02E-09	5.42E-09	9.51E-11	6.54E-09	9.31E-10	2.84E-09	2.88E-11	3.80E-09
3720	469555.39	3818701.65	1.09E-08	4.23E-08	5.61E-10	5.38E-08	9.09E-09	3.11E-08	4.03E-10	4.06E-08	1.03E-09	5.45E-09	9.57E-11	6.58E-09	9.37E-10	2.85E-09	2.89E-11	3.82E-09
3721	469559.23	3818692.85	1.10E-08	4.26E-08	5.64E-10	5.41E-08	9.14E-09	3.13E-08	4.05E-10	4.08E-08	1.04E-09	5.48E-09	9.62E-11	6.61E-09	9.42E-10	2.87E-09	2.91E-11	3.84E-09
3722	469563.07	3818684.06	1.10E-08	4.28E-08	5.67E-10	5.44E-08	9.19E-09	3.14E-08	4.07E-10	4.10E-08	1.04E-09	5.51E-09	9.66E-11	6.64E-09	9.47E-10	2.88E-09	2.92E-11	3.86E-09
3723	469575.82	3818671.73	1.13E-08	4.38E-08	5.80E-10	5.57E-08	9.41E-09	3.22E-08	4.17E-10	4.20E-08	1.07E-09	5.64E-09	9.90E-11	6.80E-09	9.70E-10	2.95E-09	2.99E-11	3.95E-09
3724	469584.74	3818668.2	1.15E-08	4.47E-08	5.92E-10	5.68E-08	9.60E-09	3.28E-08	4.25E-10	4.29E-08	1.09E-09	5.75E-09	1.01E-10	6.94E-09	9.89E-10	3.01E-09	3.05E-11	4.03E-09
3725	469593.66	3818664.66	1.18E-08	4.56E-08	6.04E-10	5.79E-08	9.79E-09	3.35E-08	4.33E-10	4.37E-08	1.11E-09	5.87E-09	1.03E-10	7.08E-09	1.01E-09	3.07E-09	3.12E-11	4.11E-09
3726	469602.58	3818661.13	1.20E-08	4.65E-08	6.16E-10	5.91E-08	9.99E-09	3.42E-08	4.42E-10	4.46E-08	1.13E-09	5.99E-09	1.05E-10	7.22E-09	1.03E-09	3.13E-09	3.18E-11	4.19E-09
3727	469611.5	3818657.6	1.22E-08	4.74E-08	6.28E-10	6.03E-08	1.02E-08	3.48E-08	4.51E-10	4.55E-08	1.15E-09	6.10E-09	1.07E-10	7.36E-09	1.05E-09	3.20E-09	3.24E-11	4.28E-09
3728	469620.42	3818654.07	1.25E-08	4.83E-08	6.40E-10	6.14E-08	1.04E-08	3.55E-08	4.59E-10	4.63E-08	1.18E-09	6.22E-09	1.09E-10	7.50E-09	1.07E-09	3.26E-09	3.30E-11	4.36E-09
3729	469629.34	3818650.53	1.27E-08	4.92E-08	6.52E-10	6.25E-08	1.06E-08	3.62E-08	4.68E-10	4.72E-08	1.20E-09	6.33E-09	1.11E-10	7.64E-09	1.09E-09	3.32E-09	3.36E-11	4.44E-09
3730	469638.26	3818647	1.29E-08	5.01E-08	6.63E-10	6.37E-08	1.08E-08	3.68E-08	4.76E-10	4.80E-08	1.22E-09	6.45E-09	1.13E-10	7.78E-09	1.11E-09	3.38E-09	3.42E-11	4.52E-09
3731	469647.18	3818643.47	1.31E-08	5.09E-08	6.75E-10	6.47E-08	1.09E-08	3.74E-08	4.84E-10	4.88E-08	1.24E-09	6.56E-09	1.15E-10	7.91E-09	1.13E-09	3.43E-09	3.48E-11	4.59E-09
3732	469656.1	3818639.93	1.33E-08	5.18E-08	6.86E-10	6.58E-08	1.11E-08	3.80E-08	4.92E-10	4.96E-08	1.26E-09	6.66E-09	1.17E-10	8.04E-09	1.15E-09	3.49E-09	3.54E-11	4.67E-09
3733	469665.02	3818636.4	1.36E-08	5.26E-08	6.96E-10	6.68E-08	1.13E-08	3.86E-08	5.00E-10	5.04E-08	1.28E-09	6.77E-09	1.19E-10	8.17E-09	1.16E-09	3.54E-09	3.59E-11	4.74E-09
3734	469673.94	3818632.87	1.38E-08	5.34E-08	7.07E-10	6.78E-08	1.15E-08	3.92E-08	5.07E-10	5.12E-08	1.30E-09	6.87E-09	1.21E-10	8.29E-09	1.18E-09	3.60E-09	3.65E-11	4.81E-09
3735	469709.63	3818618.74	1.45E-08	5.64E-08	7.47E-10	7.17E-08	1.21E-08	4.14E-08	5.36E-10	5.41E-08	1.37E-09	7.26E-09	1.27E-10	8.76E-09	1.25E-09	3.80E-09	3.86E-11	5.09E-09
3736	469718.55	3818615.2	1.47E-08	5.72E-08	7.57E-10	7.27E-08	1.23E-08	4.20E-08	5.44E-10	5.48E-08	1.39E-09	7.36E-09	1.29E-10	8.88E-09	1.27E-09	3.85E-09	3.91E-11	5.16E-09
3737	469727.47	3818611.67	1.49E-08	5.79E-08	7.67E-10	7.35E-08	1.24E-08	4.25E-08	5.50E-10	5.55E-08	1.41E-09	7.45E-09	1.31E-10	8.99E-09	1.28E-09	3.90E-09	3.95E-11	5.22E-09
3738	469780.99	3818590.47	1.60E-08	6.19E-08	8.20E-10	7.87E-08	1.33E-08	4.55E-08	5.89E-10	5.94E-08	1.51E-09	7.97E-09	1.40E-10	9.62E-09	1.37E-09	4.17E-09	4.23E-11	5.59E-09
3739	469789.91	3818586.94	1.61E-08	6.25E-08	8.28E-10	7.94E-08	1.34E-08	4.59E-08	5.94E-10	5.99E-08	1.52E-09	8.05E-09	1.41E-10	9.71E-09	1.38E-09	4.21E-09	4.27E-11	5.64E-09
3740	469798.83	3818583.41	1.63E-08	6.31E-08	8.36E-10	8.02E-08	1.36E-08	4.64E-08	6.00E-10	6.05E-08	1.54E-09	8.12E-09	1.43E-10	9.80E-09	1.40E-09	4.25E-09	4.31E-11	5.69E-09

3741	469807.75	3818579.87	1.64E-08	6.37E-08	8.44E-10	8.10E-08	1.37E-08	4.68E-08	6.06E-10	6.11E-08	1.55E-09	8.20E-09	1.44E-10	9.90E-09	1.41E-09	4.30E-09	4.36E-11	5.75E-09
3742	469816.67	3818576.34	1.66E-08	6.43E-08	8.52E-10	8.17E-08	1.38E-08	4.73E-08	6.11E-10	6.17E-08	1.57E-09	8.28E-09	1.45E-10	9.99E-09	1.42E-09	4.33E-09	4.40E-11	5.80E-09
3743	469825.59	3818572.81	1.67E-08	6.49E-08	8.59E-10	8.24E-08	1.39E-08	4.77E-08	6.17E-10	6.22E-08	1.58E-09	8.35E-09	1.47E-10	1.01E-08	1.44E-09	4.37E-09	4.43E-11	5.85E-09
3744	469834.51	3818569.27	1.69E-08	6.54E-08	8.66E-10	8.31E-08	1.40E-08	4.80E-08	6.22E-10	6.27E-08	1.59E-09	8.42E-09	1.48E-10	1.02E-08	1.45E-09	4.41E-09	4.47E-11	5.90E-09
3745	469843.43	3818565.74	1.70E-08	6.59E-08	8.73E-10	8.38E-08	1.42E-08	4.84E-08	6.27E-10	6.32E-08	1.60E-09	8.48E-09	1.49E-10	1.02E-08	1.46E-09	4.44E-09	4.51E-11	5.95E-09
3746	469852.35	3818562.21	1.71E-08	6.64E-08	8.80E-10	8.44E-08	1.43E-08	4.88E-08	6.32E-10	6.37E-08	1.62E-09	8.55E-09	1.50E-10	1.03E-08	1.47E-09	4.48E-09	4.54E-11	5.99E-09
3747	469861.27	3818558.67	1.72E-08	6.69E-08	8.86E-10	8.50E-08	1.44E-08	4.92E-08	6.36E-10	6.42E-08	1.63E-09	8.61E-09	1.51E-10	1.04E-08	1.48E-09	4.51E-09	4.57E-11	6.04E-09
3748	469870.19	3818555.14	1.74E-08	6.74E-08	8.92E-10	8.56E-08	1.45E-08	4.95E-08	6.41E-10	6.46E-08	1.64E-09	8.67E-09	1.52E-10	1.05E-08	1.49E-09	4.54E-09	4.60E-11	6.08E-09
3749	469879.11	3818551.61	1.75E-08	6.78E-08	8.99E-10	8.62E-08	1.46E-08	4.99E-08	6.45E-10	6.51E-08	1.65E-09	8.73E-09	1.53E-10	1.05E-08	1.50E-09	4.57E-09	4.64E-11	6.12E-09
3750	469888.03	3818548.08	1.76E-08	6.83E-08	9.05E-10	8.68E-08	1.47E-08	5.02E-08	6.49E-10	6.55E-08	1.66E-09	8.79E-09	1.54E-10	1.06E-08	1.51E-09	4.60E-09	4.67E-11	6.16E-09
3751	469896.95	3818544.54	1.77E-08	6.87E-08	9.10E-10	8.73E-08	1.48E-08	5.05E-08	6.53E-10	6.59E-08	1.67E-09	8.84E-09	1.55E-10	1.07E-08	1.52E-09	4.63E-09	4.70E-11	6.20E-09
3752	469905.87	3818541.01	1.78E-08	6.91E-08	9.15E-10	8.78E-08	1.48E-08	5.08E-08	6.57E-10	6.62E-08	1.68E-09	8.89E-09	1.56E-10	1.07E-08	1.53E-09	4.66E-09	4.72E-11	6.23E-09
3753	469914.79	3818537.48	1.79E-08	6.94E-08	9.20E-10	8.82E-08	1.49E-08	5.10E-08	6.60E-10	6.66E-08	1.69E-09	8.94E-09	1.57E-10	1.08E-08	1.54E-09	4.68E-09	4.74E-11	6.26E-09
3754	469959.4	3818519.81	1.84E-08	7.13E-08	9.45E-10	9.07E-08	1.53E-08	5.24E-08	6.78E-10	6.84E-08	1.74E-09	9.18E-09	1.61E-10	1.11E-08	1.58E-09	4.81E-09	4.88E-11	6.44E-09
3755	469968.32	3818516.28	1.85E-08	7.17E-08	9.50E-10	9.12E-08	1.54E-08	5.27E-08	6.82E-10	6.88E-08	1.75E-09	9.23E-09	1.62E-10	1.11E-08	1.59E-09	4.84E-09	4.90E-11	6.47E-09
3756	469977.24	3818512.75	1.86E-08	7.22E-08	9.56E-10	9.17E-08	1.55E-08	5.30E-08	6.86E-10	6.92E-08	1.76E-09	9.29E-09	1.63E-10	1.12E-08	1.60E-09	4.86E-09	4.93E-11	6.51E-09
3757	469986.16	3818509.21	1.87E-08	7.26E-08	9.62E-10	9.23E-08	1.56E-08	5.34E-08	6.91E-10	6.97E-08	1.77E-09	9.35E-09	1.64E-10	1.13E-08	1.61E-09	4.90E-09	4.97E-11	6.55E-09
3758	469995.08	3818505.68	1.88E-08	7.31E-08	9.68E-10	9.29E-08	1.57E-08	5.37E-08	6.95E-10	7.01E-08	1.78E-09	9.41E-09	1.65E-10	1.13E-08	1.62E-09	4.92E-09	4.99E-11	6.59E-09
3759	470004	3818502.15	1.89E-08	7.34E-08	9.72E-10	9.33E-08	1.58E-08	5.39E-08	6.98E-10	7.04E-08	1.79E-09	9.45E-09	1.66E-10	1.14E-08	1.62E-09	4.95E-09	5.02E-11	6.62E-09
3760	470012.92	3818498.61	1.90E-08	7.37E-08	9.77E-10	9.37E-08	1.58E-08	5.42E-08	7.01E-10	7.07E-08	1.80E-09	9.49E-09	1.67E-10	1.15E-08	1.63E-09	4.97E-09	5.04E-11	6.65E-09
3761	470021.84	3818495.08	1.91E-08	7.41E-08	9.81E-10	9.41E-08	1.59E-08	5.44E-08	7.04E-10	7.10E-08	1.80E-09	9.53E-09	1.67E-10	1.15E-08	1.64E-09	4.99E-09	5.06E-11	6.68E-09
3762	470030.76	3818491.55	1.92E-08	7.44E-08	9.85E-10	9.45E-08	1.60E-08	5.47E-08	7.07E-10	7.13E-08	1.81E-09	9.57E-09	1.68E-10	1.16E-08	1.65E-09	5.01E-09	5.08E-11	6.71E-09
3763	470039.68	3818488.01	1.93E-08	7.47E-08	9.89E-10	9.49E-08	1.60E-08	5.49E-08	7.10E-10	7.16E-08	1.82E-09	9.61E-09	1.69E-10	1.16E-08	1.65E-09	5.03E-09	5.10E-11	6.74E-09
3764	470048.6	3818484.48	1.93E-08	7.50E-08	9.93E-10	9.53E-08	1.61E-08	5.51E-08	7.13E-10	7.19E-08	1.83E-09	9.65E-09	1.69E-10	1.16E-08	1.66E-09	5.05E-09	5.12E-11	6.76E-09
3765	470057.52	3818480.95	1.94E-08	7.53E-08	9.97E-10	9.57E-08	1.62E-08	5.53E-08	7.16E-10	7.22E-08	1.83E-09	9.69E-09	1.70E-10	1.17E-08	1.67E-09	5.07E-09	5.15E-11	6.79E-09
3766	470066.44	3818477.42	1.95E-08	7.56E-08	1.00E-09	9.61E-08	1.62E-08	5.55E-08	7.19E-10	7.25E-08	1.84E-09	9.73E-09	1.71E-10	1.17E-08	1.67E-09	5.09E-09	5.17E-11	6.82E-09
3767	470075.36	3818473.88	1.95E-08	7.58E-08	1.00E-09	9.63E-08	1.63E-08	5.57E-08	7.21E-10	7.27E-08	1.85E-09	9.76E-09	1.71E-10	1.18E-08	1.68E-09	5.11E-09	5.18E-11	6.84E-09
3768	470084.28	3818470.35	1.96E-08	7.59E-08	1.01E-09	9.65E-08	1.63E-08	5.58E-08	7.22E-10	7.28E-08	1.85E-09	9.77E-09	1.72E-10	1.18E-08	1.68E-09	5.12E-09	5.19E-11	6.85E-09
3769	470093.2	3818466.82	1.96E-08	7.59E-08	1.01E-09	9.65E-08	1.63E-08	5.58E-08	7.22E-10	7.28E-08	1.85E-09	9.77E-09	1.72E-10	1.18E-08	1.68E-09	5.12E-09	5.19E-11	6.85E-09
3770	470102.12	3818463.28	1.96E-08	7.59E-08	1.01E-09	9.64E-08	1.63E-08	5.57E-08	7.21E-10	7.28E-08	1.85E-09	9.77E-09	1.71E-10	1.18E-08	1.68E-09	5.11E-09	5.19E-11	6.85E-09
3771	469328.72	3819239.82	5.76E-09	2.23E-08	2.96E-10	2.84E-08	4.80E-09	1.64E-08	2.12E-10	2.14E-08	5.44E-10	2.88E-09	5.05E-11	3.47E-09	4.94E-10	1.51E-09	1.53E-11	2.02E-09
3772	469328.53	3819249.47	5.83E-09	2.26E-08	3.00E-10	2.88E-08	4.86E-09	1.66E-08	2.15E-10	2.17E-08	5.51E-10	2.91E-09	5.11E-11	3.51E-09	5.01E-10	1.52E-09	1.55E-11	2.04E-09
3773	469328.33	3819259.12	5.91E-09	2.29E-08	3.04E-10	2.91E-08	4.92E-09	1.68E-08	2.18E-10	2.20E-08	5.58E-10	2.95E-09	5.18E-11	3.56E-09	5.08E-10	1.55E-09	1.57E-11	2.07E-09
3774	469328.14	3819268.77	6.00E-09	2.33E-08	3.08E-10	2.96E-08	4.99E-09	1.71E-08	2.21E-10	2.23E-08	5.66E-10	2.99E-09	5.25E-11	3.61E-09	5.15E-10	1.57E-09	1.59E-11	2.10E-09
3775	469327.95	3819278.41	6.09E-09	2.36E-08	3.13E-10	3.00E-08	5.07E-09	1.73E-08	2.24E-10	2.26E-08	5.75E-10	3.04E-09	5.33E-11	3.67E-09	5.23E-10	1.59E-09	1.61E-11	2.13E-09
3776	469327.75	3819288.06	6.18E-09	2.40E-08	3.18E-10	3.05E-08	5.15E-09	1.76E-08	2.28E-10	2.30E-08	5.84E-10	3.09E-09	5.42E-11	3.72E-09	5.31E-10	1.62E-09	1.64E-11	2.16E-09
3777	469327.56	3819297.71	6.29E-09	2.44E-08	3.23E-10	3.10E-08	5.24E-09	1.79E-08	2.32E-10	2.34E-08	5.94E-10	3.14E-09	5.51E-11	3.79E-09	5.40E-10	1.64E-09	1.67E-11	2.20E-09
3778	469327.37	3819307.36	6.40E-09	2.48E-08	3.29E-10	3.15E-08	5.33E-09	1.82E-08	2.36E-10	2.38E-08	6.04E-10	3.19E-09	5.60E-11	3.85E-09	5.49E-10	1.67E-09	1.70E-11	2.24E-09
3779	469327.17	3819317.01	6.51E-09	2.52E-08	3.34E-10	3.21E-08	5.42E-09	1.85E-08	2.40E-10	2.42E-08	6.15E-10	3.25E-09	5.70E-11	3.92E-09	5.59E-10	1.70E-09	1.73E-11	2.28E-09
3780	469326.98	3819326.66	6.62E-09	2.57E-08	3.40E-10	3.26E-08	5.52E-09	1.89E-08	2.44E-10	2.46E-08	6.25E-10	3.31E-09	5.80E-11	3.99E-09	5.68E-10	1.73E-09	1.76E-11	2.32E-09
3781	469326.79	3819336.3	6.74E-09	2.61E-08	3.46E-10	3.32E-08	5.61E-09	1.92E-08	2.48E-10	2.51E-08	6.36E-10	3.36E-09	5.90E-11	4.06E-09	5.78E-10	1.76E-09	1.79E-11	2.36E-09
3782	469326.59	3819345.95	6.86E-09	2.66E-08	3.52E-10	3.38E-08	5.71E-09	1.95E-08	2.53E-10	2.55E-08	6.48E-10	3.42E-09	6.01E-11	4.13E-09	5.89E-10	1.79E-09	1.82E-11	2.40E-09
3783	469326.4	3819355.6	6.98E-09	2.71E-08	3.59E-10	3.44E-08	5.81E-09	1.99E-08	2.57E-10	2.60E-08	6.59E-10	3.49E-09	6.12E-11	4.21E-09	5.99E-10	1.83E-09	1.85E-11	2.44E-09
3784	469326.21	3819365.25	7.11E-09	2.76E-08	3.65E-10	3.51E-08	5.92E-09	2.03E-08	2.62E-10	2.65E-08	6.72E-10	3.55E-09	6.23E-11	4.28E-09	6.11E-10	1.86E-09	1.89E-11	2.49E-09
3785	469326.02	3819374.9	7.24E-09	2.81E-08	3.72E-10	3.57E-08	6.03E-09	2.06E-08	2.67E-10	2.69E-08	6.84E-10	3.62E-09	6.35E-11	4.36E-09	6.22E-10	1.89E-09	1.92E-11	2.53E-09
3786	469325.82	3819384.54	7.38E-09	2.86E-08	3.79E-10	3.64E-08	6.15E-09	2.10E-08	2.72E-10	2.75E-08	6.97E-10	3.69E-09	6.47E-11	4.45E-09	6.34E-10	1.93E-09	1.96E-11	2.58E-09
3787	469325.63	3819394.19	7.53E-09	2.92E-08	3.87E-10	3.71E-08	6.27E-09	2.15E-08	2.78E-10	2.80E-08	7.11E-10	3.76E-09	6.60E-11	4.54E-09	6.46E-10	1.97E-09	2.00E-11	2.63E-09
3788	469325.44	3819403.84	7.68E-09	2.98E-08	3.95E-10	3.79E-08	6.40E-09	2.19E-08	2.83E-10	2.86E-08	7.25E-10	3.83E-09	6.73E-11	4.63E-09	6.59E-10	2.01E-09	2.04E-11	2.69E-09
3789	469325.24	3819413.49	7.84E-09	3.04E-08	4.03E-10	3.86E-08	6.53E-09	2.23E-08	2.89E-10	2.91E-08	7.40E-10	3.91E-09	6.87E-11	4.72E-09	6.73E-10	2.05E-09	2.08E-11	2.74E-09
3790	469325.05	3819423.14	8.00E-09	3.10E-08	4.11E-10	3.94E-08	6.66E-09	2.28E-08	2.95E-10	2.98E-08	7.55E-10	3.99E-09	7.01E-11	4.82E-09	6.87E-10	2.09E-09	2.12E-11	2.80E-09
3791	469324.86	3819432.79	8.17E-09	3.17E-08	4.20E-10	4.03E-08	6.81E-09	2.33E-08	3.01E-10	3.04E-08	7.72E-10	4.08E-09	7.16E-11	4.92E-09	7.01E-10	2.14E-09	2.17E-11	2.86E-09
3792	469295.39	3819112.83	4.55E-09	1.76E-08	2.34E-10	2.24E-08	3.79E-09	1.30E-08	1.68E-10	1.69E-08	4.29E-10	2.27E-09	3.98E-11	2.74E-09	3.90E-10	1.19E-09	1.20E-11	1.59E-09
3793	469299.25	3819103.99	4.57E-09	1.77E-08	2.35E-10	2.25E-08	3.80E-09	1.30E-08	1.68E-10	1.70E-08	4.31E-10	2.28E-09	4.00E-11	2.75E-09	3.92E-10	1.19E-09	1.21E-11	1.60E-09
3794	469303.1	3819095.15	4.61E-09	1.79E-08	2.37E-10	2.27E-08	3.84E-09	1.31E-08	1.70E-10	1.71E-08	4.35E-10	2.30E-09	4.04E-11	2.78E-09	3.96E-10	1.21E-09	1.22E-11	1.61E-09
3795	469306.96	3819086.31	4.66E-09	1.81E-08	2.39E-10	2.30E-08	3.88E-09	1.33E-08	1.72E-10	1.73E-08	4.40E-10	2.33E-09	4.08E-11	2.81E-09	4.00E-10	1.22E-09	1.23E-11	1.63E-09
3796	469310.81	3819077.47	4.71E-09	1.82E-08	2.42E-10	2.32E-08	3.92E-09	1.34E-08	1.74E-10	1.75E-08	4.44E-10	2.35E-09	4.12E-11	2.83E-09	4.04E-10	1.23E-09	1.25E-11	1.65E-09
3797	469314.67	3819068.63	4.76E-09	1.85E-08	2.45E-10	2.35E-08	3.97E-09	1.36E-08	1.76E-10	1.77E-08	4.50E-10	2.38E-09	4.17E-11	2.87E-09	4.09E-10	1.25E-09	1.26E-11	1.67E-09
3798	469318.52	3819059.79	4.83E-09	1.87E-08	2.48E-10	2.38E-08	4.02E-09	1.38E-08	1.78E-10	1.79E-08	4.56E-10	2.41E-09	4.23E-11	2.91E-09	4.14E-10	1.26E-09	1.28E-11	1.69E-09
3799	469322.38	3819050.95	4.89E-09	1.90E-08	2.51E-10	2.41E-08	4.08E-09	1.39E-08	1.80E-10	1.82E-08	4.62E-10	2.44E-09	4.29E-11	2.95E-09	4.20E-10	1.28E-09	1.30E-11	1.71E-09
3800	469326.24	3819042.1	4.97E-09	1.93E-08	2.55E-10	2.45E-08	4.14E-09	1.42E-08	1.83E-10	1.85E-08	4.69E-10	2.48E-09	4.35E-11	2.99E-09	4.26E-10	1.30E-09	1.32E-11	1.74E-09
3801	469330.09	3819033.26	5.05E-09	1.96E-08	2.59E-10	2.49E-08	4.20E-09	1.44E-08	1.86E-10	1.88E-08	4.77E-10	2.52E-09	4.42E-11	3.04E-09	4.33E-10	1.32E-09	1.34E-11	1.77E-09
3802	469333.95	3819024.42	5.13E-09	1.99E-08	2.64E-10	2.53E-08	4.27E-09	1.46E-08	1.89E-10	1.91E-08	4.84E-10	2.56E-09	4.50E-11	3.09E-09	4.40E-10	1.34E-09	1.36E-11	1.80E-09
3803	469337.8	3819015.58	5.22E-09	2.03E-08	2.68E-10	2.57E-08	4.35E-09	1.49E-08	1.93E-10	1.94E-08	4.93E-10	2.61E-09	4.58E-11	3.15E-09	4.48E-10	1.36E-09	1.38E-11	1.83E-09
3804	469341.66	3819006.74	5.30E-09	2.06E-08	2.72E-10	2.61E-08	4.42E-09	1.51E-08	1.96E-10	1.97E-08	5.01E-10	2.65E-09	4.65E-11	3.19E-09	4.55E-10	1.39E-09	1.41E-11	1.86E-09
3805	469345.51	3818997.9	5.39E-09	2.09E-08	2.77E-10	2.66E-08	4.49E-09	1.54E-08	1.99E-10	2.00E-08	5.09E-10	2.69E-09	4.72E-11	3.25E-09	4.63E-10	1.41E-09	1.43E-11	1.89E-09
3806	469349.37	3818989.06	5.48E-09	2.13E-08	2.82E-10	2.70E-08	4.57E-09	1.56E-08	2.02E-10	2.04E-08	5.18E-10	2.74E-09	4.80E-11	3.30E-09	4.71E-10	1.43E-09	1.45E-11	1.92E-09
3807	469353.22	3818980.22	5.59E-09	2.17E-08	2.87E-10	2.76E-08	4.66E-09	1.59E-08	2.06E-10	2.08E-08	5.28E-10	2.79E-09	4.90E-11	3.37E-09	4.80E-10	1.46E-09	1.48E-11	1.96E-09
3808	469357.08	3818971.38	5.70E-09	2.21E-08	2.93E-10	2.81E-08	4.75E-09	1.62E-08	2.10E-10	2.12E-08	5.38E-10	2.85E-09	5.00E-11	3.43E-09	4.89E-10	1.49E-09	1.51E-11	1.99E-09
3809	469360.94	3818962.54	5.82E-09	2.26E-08	2.99E-10	2.87E-08	4.85E-09	1.66E-08	2.15E-10	2.16E-08	5.49E-10	2.90E-09	5.10E-11	3.50E-09	4.99E-10	1.52E-09	1.54E-11	2.04E-09
3810	469364.79	3818953.69	5.94E-09	2.30E-08	3.05E-10	2.93E-08	4.95E-09	1.69E-08	2.19E-10	2.21E-08	5.61E-10	2.96E-09	5.20E-11	3.58E-09	5.10E-10	1.55E-09	1.57E-11	2.08E-09
3811	469368.65	3818944.85	6.06E-09	2.35E-08	3.11E-10	2.99E-08	5.05E-09	1.73E-08	2.24E-10	2.25E-08	5.72E-10	3.03E-09	5.31E-11	3.65E-09	5.20E-10	1.58E-09	1.61E-11	2.12E-09
3812	469372.5	3818936.01	6.18E-09	2.40E-08	3.18E-10	3.05E-08	5.15E-09	1.76E-08	2.28E-10	2.30E-08	5.84E-10	3.09E-09	5.42E-11	3.73E-09	5.31E-10	1.62E-09	1.64E-11	2.16E-09
3813	469376.36	3818927.17	6.31E-09	2.45E-08	3.24E-10	3.11E-08	5.26E-09	1.80E-08	2.33E-10	2.35E-08	5.96E-10	3.15E-09	5.53E-11	3.80E-09	5.42E-10	1.65E-09	1.67E-11	2.21E-09
3814	469380.21	3818918.33	6.43E-09	2.49E-08	3.30E-10	3.17E-08	5.36E-09	1.83E-08	2.37E-10	2.39E-08	6.07E-10	3.21E-09	5.64E-11	3.88E-09	5.52E-10	1.68E-09	1.71E-11	2.25E-09
3815	469384.07	3818909.49	6.56E-09	2.54E-08	3.37E-10	3.23E-08	5.46E-09	1.87E-08	2.42E-10	2.44E-08	6.19E-10	3.27E-09	5.74E-11	3.95E-09	5.63E-10	1.71E-09	1.74E-11	2.29E-09
3816	469387.93	3818900.65	6.68E-09	2.59E-08	3.43E-10	3.29E-08	5.56E-09	1.90E-08	2.46E-10	2.48E-08	6.30E-10	3.33E-09	5.85E-11	4.02E-09	5.73E-10	1.75E-09	1.77E-11	2.34E-09
3817	469391.78	3818891.81	6.80E-09	2.64E-08	3.50E-10	3.35E-08	5.67E-09	1.94E-08	2.51E-10	2.53E-08	6.42E-10	3.40E-09	5.96E-11	4.10E-09	5.84E-10	1.78E-09	1.80E-11	2.38E-09
3818	469395.64	3818882.97	6.93E-09	2.69E-08	3.56E-10	3.42E-08	5.77E-09	1.98E-08	2.56E-10	2.58E-08	6.54E-10	3.46E-09	6.07E-11	4.18E-09	5.95E-10	1.81E-09	1.84E-11	2.43E-09
3819	469399.49	3818874.13	7.05E-09	2.74E-08	3.62E-10	3.48E-08	5.88E-09	2.01E-08	2.60E-10	2.62E-08	6.66E-10	3.52E-09	6.18E-11	4.25E-09	6.06E-10	1.84E-09	1.87E-11	2.47E-09
3820	469403.35	3818865.28	7.18E-09	2.78E-08	3.69E-10	3.54E-08	5.98E-09	2.05E-08	2.65E-10	2.67E-08	6.78E-10	3.58E-09	6.29E-11	4.32E-09	6.16E-10	1.88E-09	1.90E-11	2.51E-09
3821	469407.2	3818856.44	7.29E-09	2.83E-08	3.75E-10	3.60E-08	6.08E-09	2.08E-08	2.69E-10	2.71E-08	6.89E-10	3.64E-09	6.39E-11	4.39E-09	6.26E-10	1.91E-09	1.93E-11	2.55E-09
3822	469411.06	3818847.6	7.40E-09	2.87E-08	3.80E-10	3.65E-08	6.17E-09	2.11E-08	2.73E-10	2.75E-08	6.99E-10	3.70E-09	6.49E-11	4.46E-09	6.36E-10	1.94E-09	1.96E-11	2.59E-09
3823	469414.91	3818838.76	7.51E-09	2.91E-08	3.86E-10	3.70E-08	6.26E-09	2.14E-08	2.77E-10	2.79E-08	7.09E-10	3.75E-09	6.58E-11	4.53E-09	6.45E-10	1.96E-09	1.99E-11	2.63E-09
3824	469418.77	3818829.92	7.62E-09	2.95E-08	3.91E-10	3.76E-08	6.34E-09	2.17E-08	2.81E-10	2.83E-08	7.19E-10	3.80E-09	6.68E-11	4.59E-09	6.54E-10	1.99E-09	2.02E-11	2.67E-09
3825	469422.63	3818821.08	7.72E-09	3.00E-08	3.97E-10	3.81E-08	6.43E-09	2.20E-08	2.85E-10	2.87E-08	7.29E-10	3.86E-09	6.77E-11	4.65E-09	6.63E-10	2.02E-09	2.05E-11	2.70E-09
3826	469426.48	3818812.24	7.82E-09	3.03E-08	4.02E-10	3.86E-08	6.51E-09	2.23E-08	2.88E-10	2.91E-08	7.39E-10	3.90E-09	6.85E-11	4.71E-09	6.71E-10	2.04E-09	2.07E-11	2.74E-09
3827	469430.34	3818803.4	7.92E-09	3.07E-08	4.07E-10	3.90E-08	6.59E-09	2.26E-08	2.92E-10	2.94E-08	7.47E-10	3.95E-09	6.94E-11	4.77E-09	6.80E-10	2.07E-09	2.10E-11	2.77E-09
3828	469434.19	3818794.56	8.01E-09	3.11E-08	4.11E-10	3.95E-08	6.67E-09	2.28E-08	2.95E-10	2.98E-08	7.56E-10	4.00E-09	7.02E-11	4.82E-09	6.87E-10	2.09E-09	2.12E-11	2.80E-09
3829	469438.05	3818785.72	8.10E-09	3.14E-08	4.16E-10	3.99E-08	6.74E-09	2.31E-08	2.99E-10	3.01E-08	7.65E-10	4.04E-09	7.10E-11	4.88E-09	6.95E-10	2.12E-09	2.15E-11	2.83E-09
3830	469441.9	3818776.88	8.18E-09	3.17E-08	4.21E-10	4.03E-08	6.82E-09	2.33E-08	3.02E-10	3.04E-08	7.73E-10	4.09E-09	7.17E-11	4.93E-09	7.03E-10	2.14E-09	2.17E-11	2.86E-09
3831	469445.76	3818768.03	8.26E-09	3.21E-08	4.25E-10	4.07E-08	6.88E-09	2.36E-08	3.05E-10	3.07E-08	7.80E-10	4.13E-09	7.24E-11	4.98E-09	7.09E-10	2.16E-09	2.19E-11	2.89E-09
3832	469449.62	3818759.19	8.34E-09	3.24E-08	4.29E-10	4.11E-08	6.95E-09	2.38E-08	3.08E-10	3.10E-08	7.88E-10	4.17E-09	7.31E-11	5.03E-09	7.16E-10	2.18E-09	2.21E-11	2.92E-09
3833	469453.47	3818750.35	8.42E-09	3.26E-08	4.32E-10	4.15E-08	7.01E-09	2.40E-08	3.10E-10	3.13E-08	7.95E-10	4.20E-09	7.38E-11	5.07E-09	7.23E-10	2.20E-09	2.23E-11	2.95E-09
3834	469457.33	3818741.51	8.49E-09	3.29E-08	4.36E-10	4.18E-08	7.07E-09	2.42E-08	3.13E-10	3.16E-08	8.01E-10	4.24E-09	7.44E-11	5.11E-09	7.29E-10	2.22E-09	2.25E-11	2.97E-09
3835	469461.18	3818732.67	8.55E-09	3.32E-08	4.39E-10	4.22E-08	7.12E-09	2.44E-08	3.15E-10	3.18E-08	8.08E-10	4.27E-09	7.49E-11	5.15E-09	7.34E-10	2.24E-09	2.27E-11	2.99E-09
3836	469465.04	3818723.83	8.62E-09	3.34E-08	4.43E-10	4.25E-08	7.18E-09	2.46E-08	3.18E-10	3.21E-08	8.14E-10	4.30E-09	7.55E-11	5.19E-09	7.40E-10	2.25E-09	2.28E-11

3837	469468.89	3818714.99	8.68E-09	3.37E-08	4.46E-10	4.28E-08	7.23E-09	2.47E-08	3.20E-10	3.23E-08	8.20E-10	4.33E-09	7.61E-11	5.23E-09	7.45E-10	2.27E-09	2.30E-11	3.04E-09
3838	469472.75	3818706.15	8.74E-09	3.39E-08	4.49E-10	4.31E-08	7.28E-09	2.49E-08	3.22E-10	3.25E-08	8.25E-10	4.36E-09	7.66E-11	5.26E-09	7.50E-10	2.28E-09	2.32E-11	3.06E-09
3839	469476.61	3818697.31	8.80E-09	3.41E-08	4.52E-10	4.34E-08	7.33E-09	2.51E-08	3.24E-10	3.27E-08	8.31E-10	4.39E-09	7.71E-11	5.30E-09	7.55E-10	2.30E-09	2.33E-11	3.08E-09
3840	469480.46	3818688.47	8.86E-09	3.44E-08	4.55E-10	4.37E-08	7.38E-09	2.52E-08	3.27E-10	3.29E-08	8.36E-10	4.42E-09	7.76E-11	5.34E-09	7.60E-10	2.32E-09	2.35E-11	3.10E-09
3841	469484.32	3818679.62	8.90E-09	3.45E-08	4.58E-10	4.39E-08	7.42E-09	2.54E-08	3.28E-10	3.31E-08	8.41E-10	4.45E-09	7.80E-11	5.36E-09	7.64E-10	2.33E-09	2.36E-11	3.12E-09
3842	469503.59	3818635.42	9.13E-09	3.54E-08	4.69E-10	4.50E-08	7.60E-09	2.60E-08	3.37E-10	3.40E-08	8.62E-10	4.56E-09	8.00E-11	5.50E-09	7.84E-10	2.39E-09	2.42E-11	3.19E-09
3843	469507.45	3818626.58	9.18E-09	3.56E-08	4.72E-10	4.52E-08	7.64E-09	2.62E-08	3.38E-10	3.41E-08	8.67E-10	4.58E-09	8.04E-11	5.53E-09	7.88E-10	2.40E-09	2.43E-11	3.21E-09
3844	469520.27	3818614.19	9.39E-09	3.64E-08	4.83E-10	4.63E-08	7.82E-09	2.68E-08	3.46E-10	3.49E-08	8.87E-10	4.69E-09	8.23E-11	5.66E-09	8.06E-10	2.46E-09	2.49E-11	3.29E-09
3845	469529.24	3818610.63	9.57E-09	3.71E-08	4.92E-10	4.72E-08	7.97E-09	2.73E-08	3.53E-10	3.56E-08	9.04E-10	4.78E-09	8.39E-11	5.77E-09	8.22E-10	2.50E-09	2.54E-11	3.35E-09
3846	469538.21	3818607.08	9.76E-09	3.79E-08	5.01E-10	4.81E-08	8.13E-09	2.78E-08	3.60E-10	3.63E-08	9.22E-10	4.87E-09	8.55E-11	5.88E-09	8.38E-10	2.55E-09	2.59E-11	3.41E-09
3847	469547.18	3818603.53	9.94E-09	3.86E-08	5.11E-10	4.90E-08	8.28E-09	2.83E-08	3.67E-10	3.70E-08	9.39E-10	4.96E-09	8.71E-11	5.99E-09	8.53E-10	2.60E-09	2.64E-11	3.48E-09
3848	469556.14	3818599.98	1.01E-08	3.93E-08	5.20E-10	4.99E-08	8.43E-09	2.88E-08	3.73E-10	3.77E-08	9.56E-10	5.05E-09	8.87E-11	6.10E-09	8.69E-10	2.65E-09	2.68E-11	3.54E-09
3849	469565.11	3818596.43	1.03E-08	4.00E-08	5.29E-10	5.08E-08	8.58E-09	2.94E-08	3.80E-10	3.83E-08	9.73E-10	5.14E-09	9.03E-11	6.21E-09	8.84E-10	2.69E-09	2.73E-11	3.60E-09
3850	469574.08	3818592.88	1.05E-08	4.07E-08	5.39E-10	5.17E-08	8.73E-09	2.99E-08	3.87E-10	3.90E-08	9.90E-10	5.24E-09	9.19E-11	6.32E-09	9.00E-10	2.74E-09	2.78E-11	3.67E-09
3851	469583.05	3818589.32	1.07E-08	4.14E-08	5.48E-10	5.26E-08	8.89E-09	3.04E-08	3.94E-10	3.97E-08	1.01E-09	5.33E-09	9.35E-11	6.43E-09	9.16E-10	2.79E-09	2.83E-11	3.73E-09
3852	469592.01	3818585.77	1.09E-08	4.21E-08	5.57E-10	5.35E-08	9.04E-09	3.09E-08	4.00E-10	4.04E-08	1.02E-09	5.42E-09	9.51E-11	6.54E-09	9.31E-10	2.84E-09	2.88E-11	3.80E-09
3853	469600.98	3818582.22	1.10E-08	4.27E-08	5.66E-10	5.43E-08	9.18E-09	3.14E-08	4.06E-10	4.10E-08	1.04E-09	5.50E-09	9.66E-11	6.64E-09	9.46E-10	2.88E-09	2.92E-11	3.86E-09
3854	469609.95	3818578.67	1.12E-08	4.34E-08	5.75E-10	5.52E-08	9.32E-09	3.19E-08	4.13E-10	4.16E-08	1.06E-09	5.59E-09	9.80E-11	6.74E-09	9.60E-10	2.92E-09	2.97E-11	3.91E-09
3855	469618.91	3818575.12	1.13E-08	4.40E-08	5.83E-10	5.59E-08	9.45E-09	3.23E-08	4.19E-10	4.22E-08	1.07E-09	5.67E-09	9.94E-11	6.84E-09	9.74E-10	2.97E-09	3.01E-11	3.97E-09
3856	469627.88	3818571.57	1.15E-08	4.46E-08	5.91E-10	5.68E-08	9.59E-09	3.28E-08	4.25E-10	4.28E-08	1.09E-09	5.75E-09	1.01E-10	6.94E-09	9.88E-10	3.01E-09	3.05E-11	4.03E-09
3857	469636.85	3818568.01	1.17E-08	4.52E-08	5.99E-10	5.75E-08	9.71E-09	3.32E-08	4.30E-10	4.34E-08	1.10E-09	5.82E-09	1.02E-10	7.03E-09	1.00E-09	3.05E-09	3.09E-11	4.08E-09
3858	469645.82	3818564.46	1.18E-08	4.58E-08	6.06E-10	5.82E-08	9.83E-09	3.36E-08	4.35E-10	4.39E-08	1.11E-09	5.89E-09	1.03E-10	7.11E-09	1.01E-09	3.09E-09	3.13E-11	4.13E-09
3859	469654.78	3818560.91	1.19E-08	4.63E-08	6.14E-10	5.89E-08	9.95E-09	3.40E-08	4.40E-10	4.44E-08	1.13E-09	5.96E-09	1.05E-10	7.19E-09	1.03E-09	3.12E-09	3.17E-11	4.18E-09
3860	469663.75	3818557.36	1.21E-08	4.68E-08	6.21E-10	5.95E-08	1.01E-08	3.44E-08	4.45E-10	4.49E-08	1.14E-09	6.03E-09	1.06E-10	7.28E-09	1.04E-09	3.16E-09	3.20E-11	4.23E-09
3861	469672.72	3818553.81	1.22E-08	4.74E-08	6.27E-10	6.02E-08	1.02E-08	3.48E-08	4.50E-10	4.54E-08	1.15E-09	6.10E-09	1.07E-10	7.36E-09	1.05E-09	3.19E-09	3.24E-11	4.27E-09
3862	469708.59	3818539.6	1.28E-08	4.95E-08	6.55E-10	6.29E-08	1.06E-08	3.63E-08	4.70E-10	4.74E-08	1.20E-09	6.37E-09	1.12E-10	7.68E-09	1.09E-09	3.33E-09	3.38E-11	4.46E-09
3863	469717.56	3818536.05	1.29E-08	5.00E-08	6.63E-10	6.36E-08	1.07E-08	3.68E-08	4.76E-10	4.80E-08	1.22E-09	6.44E-09	1.13E-10	7.77E-09	1.11E-09	3.37E-09	3.42E-11	4.51E-09
3864	469726.52	3818532.5	1.30E-08	5.05E-08	6.69E-10	6.42E-08	1.08E-08	3.71E-08	4.80E-10	4.84E-08	1.23E-09	6.50E-09	1.14E-10	7.84E-09	1.12E-09	3.40E-09	3.45E-11	4.55E-09
3865	469735.49	3818528.95	1.31E-08	5.10E-08	6.75E-10	6.48E-08	1.09E-08	3.74E-08	4.85E-10	4.89E-08	1.24E-09	6.56E-09	1.15E-10	7.92E-09	1.13E-09	3.44E-09	3.48E-11	4.60E-09
3866	469744.46	3818525.39	1.33E-08	5.14E-08	6.82E-10	6.54E-08	1.10E-08	3.78E-08	4.89E-10	4.93E-08	1.25E-09	6.62E-09	1.16E-10	7.99E-09	1.14E-09	3.47E-09	3.52E-11	4.64E-09
3867	469753.43	3818521.84	1.34E-08	5.19E-08	6.88E-10	6.60E-08	1.12E-08	3.82E-08	4.94E-10	4.98E-08	1.26E-09	6.68E-09	1.17E-10	8.07E-09	1.15E-09	3.50E-09	3.55E-11	4.68E-09
3868	469762.39	3818518.29	1.35E-08	5.24E-08	6.94E-10	6.66E-08	1.13E-08	3.85E-08	4.98E-10	5.02E-08	1.28E-09	6.74E-09	1.18E-10	8.14E-09	1.16E-09	3.53E-09	3.58E-11	4.73E-09
3869	469771.36	3818514.74	1.36E-08	5.29E-08	7.00E-10	6.72E-08	1.14E-08	3.88E-08	5.03E-10	5.07E-08	1.29E-09	6.80E-09	1.19E-10	8.21E-09	1.17E-09	3.56E-09	3.61E-11	4.77E-09
3870	469780.33	3818511.19	1.37E-08	5.33E-08	7.06E-10	6.78E-08	1.14E-08	3.92E-08	5.07E-10	5.11E-08	1.30E-09	6.86E-09	1.20E-10	8.28E-09	1.18E-09	3.59E-09	3.64E-11	4.81E-09
3871	469789.3	3818507.64	1.39E-08	5.37E-08	7.12E-10	6.83E-08	1.15E-08	3.95E-08	5.11E-10	5.15E-08	1.31E-09	6.92E-09	1.21E-10	8.35E-09	1.19E-09	3.62E-09	3.67E-11	4.85E-09
3872	469798.26	3818504.08	1.40E-08	5.42E-08	7.18E-10	6.89E-08	1.16E-08	3.98E-08	5.15E-10	5.20E-08	1.32E-09	6.97E-09	1.22E-10	8.42E-09	1.20E-09	3.65E-09	3.70E-11	4.89E-09
3873	469807.23	3818500.53	1.41E-08	5.46E-08	7.23E-10	6.94E-08	1.17E-08	4.01E-08	5.19E-10	5.24E-08	1.33E-09	7.03E-09	1.23E-10	8.48E-09	1.21E-09	3.68E-09	3.73E-11	4.93E-09
3874	469816.2	3818496.98	1.42E-08	5.50E-08	7.29E-10	7.00E-08	1.18E-08	4.04E-08	5.23E-10	5.28E-08	1.34E-09	7.09E-09	1.24E-10	8.55E-09	1.22E-09	3.71E-09	3.76E-11	4.97E-09
3875	469825.17	3818493.43	1.43E-08	5.55E-08	7.35E-10	7.05E-08	1.19E-08	4.08E-08	5.27E-10	5.32E-08	1.35E-09	7.14E-09	1.25E-10	8.62E-09	1.23E-09	3.74E-09	3.79E-11	5.00E-09
3876	469834.13	3818489.88	1.44E-08	5.58E-08	7.40E-10	7.10E-08	1.20E-08	4.10E-08	5.31E-10	5.36E-08	1.36E-09	7.19E-09	1.26E-10	8.67E-09	1.24E-09	3.76E-09	3.82E-11	5.04E-09
3877	469843.1	3818486.33	1.45E-08	5.62E-08	7.45E-10	7.14E-08	1.21E-08	4.13E-08	5.35E-10	5.39E-08	1.37E-09	7.24E-09	1.27E-10	8.73E-09	1.24E-09	3.79E-09	3.84E-11	5.07E-09
3878	469852.07	3818482.78	1.46E-08	5.66E-08	7.50E-10	7.19E-08	1.22E-08	4.16E-08	5.38E-10	5.43E-08	1.38E-09	7.28E-09	1.28E-10	8.79E-09	1.25E-09	3.81E-09	3.87E-11	5.10E-09
3879	469861.04	3818479.22	1.47E-08	5.69E-08	7.54E-10	7.24E-08	1.22E-08	4.18E-08	5.41E-10	5.46E-08	1.39E-09	7.33E-09	1.29E-10	8.84E-09	1.26E-09	3.84E-09	3.89E-11	5.14E-09
3880	469870	3818475.67	1.48E-08	5.73E-08	7.59E-10	7.28E-08	1.23E-08	4.21E-08	5.45E-10	5.49E-08	1.39E-09	7.37E-09	1.29E-10	8.90E-09	1.27E-09	3.86E-09	3.92E-11	5.17E-09
3881	469878.97	3818472.12	1.48E-08	5.76E-08	7.63E-10	7.32E-08	1.24E-08	4.23E-08	5.47E-10	5.52E-08	1.40E-09	7.41E-09	1.30E-10	8.94E-09	1.27E-09	3.88E-09	3.93E-11	5.19E-09
3882	469887.94	3818468.57	1.49E-08	5.78E-08	7.66E-10	7.35E-08	1.24E-08	4.25E-08	5.50E-10	5.55E-08	1.41E-09	7.44E-09	1.31E-10	8.98E-09	1.28E-09	3.90E-09	3.95E-11	5.22E-09
3883	469896.9	3818465.02	1.50E-08	5.81E-08	7.69E-10	7.38E-08	1.25E-08	4.27E-08	5.52E-10	5.57E-08	1.41E-09	7.47E-09	1.31E-10	9.02E-09	1.29E-09	3.91E-09	3.97E-11	5.24E-09
3884	469905.87	3818461.47	1.50E-08	5.83E-08	7.72E-10	7.41E-08	1.25E-08	4.28E-08	5.54E-10	5.59E-08	1.42E-09	7.50E-09	1.32E-10	9.05E-09	1.29E-09	3.93E-09	3.98E-11	5.26E-09
3885	469914.84	3818457.91	1.51E-08	5.85E-08	7.75E-10	7.44E-08	1.26E-08	4.30E-08	5.56E-10	5.61E-08	1.42E-09	7.53E-09	1.32E-10	9.09E-09	1.30E-09	3.94E-09	4.00E-11	5.28E-09
3886	470031.42	3818411.74	1.61E-08	6.23E-08	8.25E-10	7.92E-08	1.34E-08	4.58E-08	5.92E-10	5.97E-08	1.52E-09	8.02E-09	1.41E-10	9.67E-09	1.38E-09	4.20E-09	4.26E-11	5.62E-09
3887	470040.38	3818408.19	1.61E-08	6.26E-08	8.29E-10	7.96E-08	1.34E-08	4.60E-08	5.95E-10	6.00E-08	1.52E-09	8.06E-09	1.41E-10	9.72E-09	1.39E-09	4.22E-09	4.28E-11	5.65E-09
3888	470049.35	3818404.64	1.62E-08	6.29E-08	8.33E-10	8.00E-08	1.35E-08	4.62E-08	5.98E-10	6.03E-08	1.53E-09	8.10E-09	1.42E-10	9.77E-09	1.39E-09	4.24E-09	4.30E-11	5.68E-09
3889	470058.32	3818401.09	1.63E-08	6.32E-08	8.38E-10	8.04E-08	1.36E-08	4.65E-08	6.01E-10	6.06E-08	1.54E-09	8.14E-09	1.43E-10	9.82E-09	1.40E-09	4.26E-09	4.32E-11	5.70E-09
3890	470067.29	3818397.54	1.64E-08	6.35E-08	8.41E-10	8.07E-08	1.36E-08	4.66E-08	6.04E-10	6.09E-08	1.55E-09	8.17E-09	1.43E-10	9.86E-09	1.40E-09	4.28E-09	4.34E-11	5.73E-09
3891	470076.25	3818393.98	1.64E-08	6.37E-08	8.43E-10	8.09E-08	1.37E-08	4.68E-08	6.05E-10	6.11E-08	1.55E-09	8.19E-09	1.44E-10	9.89E-09	1.41E-09	4.29E-09	4.35E-11	5.74E-09
3892	470085.22	3818390.43	1.64E-08	6.38E-08	8.45E-10	8.11E-08	1.37E-08	4.69E-08	6.07E-10	6.12E-08	1.55E-09	8.21E-09	1.44E-10	9.91E-09	1.41E-09	4.30E-09	4.36E-11	5.76E-09
3893	470094.19	3818386.88	1.65E-08	6.39E-08	8.46E-10	8.12E-08	1.37E-08	4.69E-08	6.07E-10	6.13E-08	1.56E-09	8.22E-09	1.44E-10	9.92E-09	1.41E-09	4.31E-09	4.37E-11	5.76E-09
3894	470103.16	3818383.33	1.65E-08	6.39E-08	8.46E-10	8.12E-08	1.37E-08	4.69E-08	6.07E-10	6.12E-08	1.55E-09	8.22E-09	1.44E-10	9.92E-09	1.41E-09	4.30E-09	4.36E-11	5.76E-09
3895	470112.12	3818379.78	1.64E-08	6.37E-08	8.44E-10	8.10E-08	1.37E-08	4.68E-08	6.06E-10	6.11E-08	1.55E-09	8.20E-09	1.44E-10	9.89E-09	1.41E-09	4.29E-09	4.35E-11	5.75E-09
3896	469248.74	3819238.22	4.72E-09	1.83E-08	2.43E-10	2.33E-08	3.93E-09	1.34E-08	1.74E-10	1.76E-08	4.46E-10	2.36E-09	4.14E-11	2.84E-09	4.05E-10	1.23E-09	1.25E-11	1.65E-09
3897	469248.54	3819247.87	4.79E-09	1.86E-08	2.46E-10	2.36E-08	3.99E-09	1.37E-08	1.77E-10	1.78E-08	4.53E-10	2.39E-09	4.20E-11	2.89E-09	4.11E-10	1.25E-09	1.27E-11	1.68E-09
3898	469248.35	3819257.52	4.87E-09	1.89E-08	2.50E-10	2.40E-08	4.06E-09	1.39E-08	1.80E-10	1.81E-08	4.60E-10	2.43E-09	4.27E-11	2.93E-09	4.18E-10	1.27E-09	1.29E-11	1.70E-09
3899	469248.16	3819267.16	4.95E-09	1.92E-08	2.54E-10	2.44E-08	4.12E-09	1.41E-08	1.83E-10	1.84E-08	4.67E-10	2.47E-09	4.34E-11	2.98E-09	4.25E-10	1.29E-09	1.31E-11	1.73E-09
3900	469247.96	3819276.81	5.03E-09	1.95E-08	2.59E-10	2.48E-08	4.19E-09	1.43E-08	1.86E-10	1.87E-08	4.75E-10	2.51E-09	4.41E-11	3.03E-09	4.32E-10	1.32E-09	1.33E-11	1.76E-09
3901	469247.77	3819286.46	5.13E-09	1.99E-08	2.64E-10	2.53E-08	4.27E-09	1.46E-08	1.89E-10	1.91E-08	4.84E-10	2.56E-09	4.50E-11	3.09E-09	4.40E-10	1.34E-09	1.36E-11	1.80E-09
3902	469247.58	3819296.11	5.21E-09	2.02E-08	2.68E-10	2.57E-08	4.34E-09	1.48E-08	1.92E-10	1.94E-08	4.92E-10	2.60E-09	4.56E-11	3.14E-09	4.47E-10	1.36E-09	1.38E-11	1.82E-09
3903	469247.38	3819305.76	5.28E-09	2.05E-08	2.71E-10	2.60E-08	4.40E-09	1.51E-08	1.95E-10	1.97E-08	4.99E-10	2.64E-09	4.63E-11	3.18E-09	4.54E-10	1.38E-09	1.40E-11	1.85E-09
3904	469247.19	3819315.41	5.37E-09	2.08E-08	2.76E-10	2.65E-08	4.47E-09	1.53E-08	1.98E-10	2.00E-08	5.07E-10	2.68E-09	4.70E-11	3.23E-09	4.61E-10	1.40E-09	1.42E-11	1.88E-09
3905	469247	3819325.05	5.45E-09	2.11E-08	2.80E-10	2.69E-08	4.54E-09	1.55E-08	2.01E-10	2.03E-08	5.15E-10	2.72E-09	4.78E-11	3.28E-09	4.68E-10	1.42E-09	1.44E-11	1.91E-09
3906	469246.8	3819334.7	5.54E-09	2.15E-08	2.85E-10	2.73E-08	4.61E-09	1.58E-08	2.04E-10	2.06E-08	5.23E-10	2.76E-09	4.85E-11	3.34E-09	4.75E-10	1.45E-09	1.47E-11	1.94E-09
3907	469246.61	3819344.35	5.63E-09	2.18E-08	2.89E-10	2.77E-08	4.69E-09	1.60E-08	2.07E-10	2.09E-08	5.31E-10	2.81E-09	4.93E-11	3.39E-09	4.83E-10	1.47E-09	1.49E-11	1.97E-09
3908	469246.42	3819354	5.72E-09	2.22E-08	2.94E-10	2.82E-08	4.76E-09	1.63E-08	2.11E-10	2.13E-08	5.40E-10	2.86E-09	5.01E-11	3.45E-09	4.91E-10	1.50E-09	1.52E-11	2.00E-09
3909	469246.22	3819363.65	5.82E-09	2.26E-08	2.99E-10	2.87E-08	4.85E-09	1.66E-08	2.15E-10	2.16E-08	5.49E-10	2.90E-09	5.10E-11	3.50E-09	4.99E-10	1.52E-09	1.54E-11	2.04E-09
3910	469246.03	3819373.29	5.92E-09	2.29E-08	3.04E-10	2.92E-08	4.93E-09	1.69E-08	2.18E-10	2.20E-08	5.59E-10	2.95E-09	5.18E-11	3.56E-09	5.08E-10	1.55E-09	1.57E-11	2.07E-09
3911	469245.84	3819382.94	6.02E-09	2.34E-08	3.10E-10	2.97E-08	5.02E-09	1.72E-08	2.22E-10	2.24E-08	5.69E-10	3.01E-09	5.28E-11	3.63E-09	5.17E-10	1.58E-09	1.60E-11	2.11E-09
3912	469245.65	3819392.59	6.14E-09	2.38E-08	3.15E-10	3.03E-08	5.11E-09	1.75E-08	2.26E-10	2.28E-08	5.80E-10	3.06E-09	5.38E-11	3.70E-09	5.27E-10	1.60E-09	1.63E-11	2.15E-09
3913	469245.45	3819402.24	6.25E-09	2.43E-08	3.21E-10	3.08E-08	5.21E-09	1.78E-08	2.31E-10	2.33E-08	5.91E-10	3.12E-09	5.48E-11	3.77E-09	5.37E-10	1.63E-09	1.66E-11	2.19E-09
3914	469245.26	3819411.89	6.37E-09	2.47E-08	3.27E-10	3.14E-08	5.30E-09	1.81E-08	2.35E-10	2.37E-08	6.01E-10	3.18E-09	5.58E-11	3.84E-09	5.47E-10	1.66E-09	1.69E-11	2.23E-09
3915	469245.07	3819421.54	6.49E-09	2.52E-08	3.33E-10	3.20E-08	5.40E-09	1.85E-08	2.39E-10	2.41E-08	6.13E-10	3.24E-09	5.68E-11	3.91E-09	5.57E-10	1.70E-09	1.72E-11	2.27E-09
3916	469244.87	3819431.18	6.61E-09	2.56E-08	3.39E-10	3.26E-08	5.50E-09	1.88E-08	2.44E-10	2.46E-08	6.24E-10	3.30E-09	5.79E-11	3.98E-09	5.67E-10	1.73E-09	1.75E-11	2.31E-09
3917	469176.78	3819199.8	3.81E-09	1.48E-08	1.96E-10	1.88E-08	3.18E-09	1.09E-08	1.41E-10	1.42E-08	3.60E-10	1.90E-09	3.34E-11	2.30E-09	3.27E-10	9.97E-10	1.01E-11	1.33E-09
3918	469180.6	3819191.04	3.79E-09	1.47E-08	1.95E-10	1.87E-08	3.16E-09	1.08E-08	1.40E-10	1.41E-08	3.58E-10	1.89E-09	3.32E-11	2.28E-09	3.26E-10	9.91E-10	1.01E-11	1.33E-09
3919	469184.42	3819182.28	3.77E-09	1.46E-08	1.94E-10	1.86E-08	3.14E-09	1.08E-08	1.39E-10	1.40E-08	3.56E-10	1.88E-09	3.31E-11	2.27E-09	3.24E-10	9.87E-10	1.00E-11	1.32E-09
3920	469188.24	3819173.52	3.76E-09	1.46E-08	1.93E-10	1.85E-08	3.13E-09	1.07E-08	1.39E-10	1.40E-08	3.55E-10	1.88E-09	3.29E-11	2.27E-09	3.23E-10	9.83E-10	9.97E-12	1.32E-09
3921	469192.06	3819164.75	3.75E-09	1.45E-08	1.93E-10	1.85E-08	3.12E-09	1.07E-08	1.38E-10	1.39E-08	3.54E-10	1.87E-09	3.29E-11	2.26E-09	3.22E-10	9.80E-10	9.94E-12	1.31E-09
3922	469195.89	3819155.99	3.74E-09	1.45E-08	1.92E-10	1.84E-08	3.12E-09	1.07E-08	1.38E-10	1.39E-08	3.53E-10	1.87E-09	3.28E-11	2.25E-09	3.21E-10	9.78E-10	9.92E-12	1.31E-09
3923	469199.71	3819147.23	3.74E-09	1.45E-08	1.92E-10	1.84E-08	3.11E-09	1.07E-08	1.38E-10	1.39E-08	3.53E-10	1.87E-09	3.28E-11	2.25E-09	3.21E-10	9.77E-10	9.91E-12	1.31E-09
3924	469203.53	3819138.47	3.74E-09	1.45E-08	1.92E-10	1.84E-08	3.11E-09	1.07E-08	1.38E-10	1.39E-08	3.53E-10	1.87E-09	3.28E-11	2.25E-09	3.21E-10	9.77E-10	9.91E-12	1.31E-09
3925	469207.35	3819129.71	3.75E-09	1.45E-08	1.92E-10	1.85E-08	3.12E-09	1.07E-08	1.38E-10	1.39E-08	3.54E-10	1.87E-09	3.28E-11	2.26E-09	3.22E-10	9.79E-10	9.93E-12	1.31E-09
3926	469211.17	3819120.95	3.75E-09	1.46E-08	1.93E-10	1.85E-08	3.13E-09	1.07E-08	1.38E-10	1.40E-08	3.54E-10	1.87E-09	3.29E-11	2.26E-09	3.22E-10	9.81E-10	9.95E-12	1.31E-09
3927	469214.99	3819112.18	3.77E-09	1.46E-08	1.94E-10	1.86E-08	3.14E-09	1.07E-08	1.39E-10	1.40E-08	3.56E-10	1.88E-09	3.30E-11	2.27E-09	3.23E-10	9.85E-10	9.99E-12	1.32E-09
3928	469218.81	3819103.42	3.78E-09	1.47E-08	1.94E-10	1.86E-08	3.15E-09	1.08E-08	1.39E-10	1.41E-08	3.57E-10	1.89E-09	3.31E-11	2.28E-09	3.25E-10	9.89E-10	1.00E-11	1.32E-09
3929	469222.63	3819094.66	3.80E-09	1.48E-08	1.95E-10	1.87E-08	3.17E-09	1.08E-08	1.40E-10	1.41E-08	3.59E-10	1.90E-09	3.33E-11	2.29E-09	3.27E-10	9.94E-10	1.01E-11	1.33E-09
3930	469226.45	3819085.9	3.83E-09	1.48E-08	1.97E-10	1.89E-08	3.19E-09	1.09E-08	1.41E-10	1.42E-08	3.62E-10	1.91E-09	3.36E-11	2.31E-09	3.29E-10	1.00E-09	1.01E-11	1.34E-09
3931	469230.27	3819077.14	3.86E-09	1.50E-08	1.98E-10	1.90E-08	3.21E-09	1.10E-08	1.42E-10	1.43E-08	3.64E-10	1.93E-09	3.38E-11	2.32E-09	3.31E-10	1.01E-09	1.02E-11	1.35E-09
3932	469234.09	3819068.38	3.88E-09	1.51E-08	2.00E-10	1.91E-08	3.23E-09	1.11E-08	1.43E-10	1.44E-08	3.67E-10	1.94E-09	3.40E-11	2.34E-09	3.33E-10	1.02E-09	1.03E-11	1.36E-09

3933	469237.92	3819059.62	3.91E-09	1.52E-08	2.01E-10	1.93E-08	3.26E-09	1.11E-08	1.44E-10	1.46E-08	3.69E-10	1.95E-09	3.43E-11	2.36E-09	3.36E-10	1.02E-09	1.04E-11	1.37E-09
3934	469241.74	3819050.85	3.95E-09	1.53E-08	2.03E-10	1.94E-08	3.29E-09	1.12E-08	1.45E-10	1.47E-08	3.73E-10	1.97E-09	3.46E-11	2.38E-09	3.39E-10	1.03E-09	1.05E-11	1.38E-09
3935	469245.56	3819042.09	3.99E-09	1.55E-08	2.05E-10	1.97E-08	3.32E-09	1.14E-08	1.47E-10	1.48E-08	3.77E-10	1.99E-09	3.50E-11	2.40E-09	3.42E-10	1.04E-09	1.06E-11	1.40E-09
3936	469249.38	3819033.33	4.04E-09	1.57E-08	2.08E-10	1.99E-08	3.37E-09	1.15E-08	1.49E-10	1.50E-08	3.82E-10	2.02E-09	3.54E-11	2.44E-09	3.47E-10	1.06E-09	1.07E-11	1.41E-09
3937	469253.2	3819024.57	4.09E-09	1.59E-08	2.10E-10	2.02E-08	3.41E-09	1.17E-08	1.51E-10	1.52E-08	3.87E-10	2.04E-09	3.59E-11	2.47E-09	3.51E-10	1.07E-09	1.09E-11	1.43E-09
3938	469272.3	3818980.76	4.43E-09	1.72E-08	2.27E-10	2.18E-08	3.69E-09	1.26E-08	1.63E-10	1.65E-08	4.18E-10	2.21E-09	3.88E-11	2.67E-09	3.80E-10	1.16E-09	1.17E-11	1.55E-09
3939	469276.13	3818972	4.51E-09	1.75E-08	2.31E-10	2.22E-08	3.75E-09	1.28E-08	1.66E-10	1.68E-08	4.25E-10	2.25E-09	3.95E-11	2.71E-09	3.87E-10	1.18E-09	1.19E-11	1.58E-09
3940	469279.95	3818963.24	4.59E-09	1.78E-08	2.36E-10	2.26E-08	3.82E-09	1.31E-08	1.69E-10	1.71E-08	4.33E-10	2.29E-09	4.02E-11	2.76E-09	3.94E-10	1.20E-09	1.22E-11	1.60E-09
3941	469283.77	3818954.48	4.67E-09	1.81E-08	2.40E-10	2.30E-08	3.89E-09	1.33E-08	1.72E-10	1.74E-08	4.41E-10	2.33E-09	4.09E-11	2.81E-09	4.01E-10	1.22E-09	1.24E-11	1.63E-09
3942	469287.59	3818945.72	4.76E-09	1.85E-08	2.45E-10	2.35E-08	3.96E-09	1.36E-08	1.76E-10	1.77E-08	4.49E-10	2.38E-09	4.17E-11	2.87E-09	4.09E-10	1.24E-09	1.26E-11	1.67E-09
3943	469291.41	3818936.96	4.85E-09	1.88E-08	2.49E-10	2.39E-08	4.04E-09	1.38E-08	1.79E-10	1.80E-08	4.58E-10	2.42E-09	4.25E-11	2.92E-09	4.16E-10	1.27E-09	1.29E-11	1.70E-09
3944	469295.23	3818928.19	4.95E-09	1.92E-08	2.54E-10	2.44E-08	4.12E-09	1.41E-08	1.83E-10	1.84E-08	4.67E-10	2.47E-09	4.34E-11	2.98E-09	4.25E-10	1.29E-09	1.31E-11	1.73E-09
3945	469299.05	3818919.43	5.04E-09	1.95E-08	2.59E-10	2.48E-08	4.20E-09	1.44E-08	1.86E-10	1.87E-08	4.76E-10	2.52E-09	4.42E-11	3.04E-09	4.33E-10	1.32E-09	1.34E-11	1.76E-09
3946	469302.87	3818910.67	5.13E-09	1.99E-08	2.64E-10	2.53E-08	4.27E-09	1.46E-08	1.89E-10	1.91E-08	4.84E-10	2.56E-09	4.50E-11	3.09E-09	4.40E-10	1.34E-09	1.36E-11	1.80E-09
3947	469306.69	3818901.91	5.23E-09	2.03E-08	2.68E-10	2.58E-08	4.35E-09	1.49E-08	1.93E-10	1.94E-08	4.93E-10	2.61E-09	4.58E-11	3.15E-09	4.49E-10	1.37E-09	1.39E-11	1.83E-09
3948	469310.51	3818893.15	5.32E-09	2.06E-08	2.74E-10	2.62E-08	4.43E-09	1.52E-08	1.96E-10	1.98E-08	5.03E-10	2.66E-09	4.66E-11	3.21E-09	4.57E-10	1.39E-09	1.41E-11	1.86E-09
3949	469314.34	3818884.39	5.43E-09	2.11E-08	2.79E-10	2.68E-08	4.52E-09	1.55E-08	2.00E-10	2.02E-08	5.13E-10	2.71E-09	4.76E-11	3.27E-09	4.66E-10	1.42E-09	1.44E-11	1.90E-09
3950	469318.16	3818875.62	5.53E-09	2.15E-08	2.84E-10	2.73E-08	4.61E-09	1.58E-08	2.04E-10	2.06E-08	5.23E-10	2.76E-09	4.85E-11	3.33E-09	4.75E-10	1.45E-09	1.47E-11	1.94E-09
3951	469321.98	3818866.86	5.64E-09	2.19E-08	2.90E-10	2.78E-08	4.69E-09	1.61E-08	2.08E-10	2.10E-08	5.32E-10	2.81E-09	4.94E-11	3.40E-09	4.84E-10	1.47E-09	1.49E-11	1.97E-09
3952	469325.8	3818858.1	5.74E-09	2.23E-08	2.95E-10	2.83E-08	4.78E-09	1.64E-08	2.12E-10	2.14E-08	5.42E-10	2.87E-09	5.03E-11	3.46E-09	4.93E-10	1.50E-09	1.52E-11	2.01E-09
3953	469329.62	3818849.34	5.85E-09	2.27E-08	3.00E-10	2.88E-08	4.87E-09	1.67E-08	2.16E-10	2.17E-08	5.52E-10	2.92E-09	5.12E-11	3.52E-09	5.02E-10	1.53E-09	1.55E-11	2.05E-09
3954	469333.44	3818840.58	5.94E-09	2.31E-08	3.05E-10	2.93E-08	4.95E-09	1.69E-08	2.19E-10	2.21E-08	5.61E-10	2.97E-09	5.21E-11	3.58E-09	5.10E-10	1.55E-09	1.58E-11	2.08E-09
3955	469337.26	3818831.82	6.04E-09	2.34E-08	3.11E-10	2.98E-08	5.03E-09	1.72E-08	2.23E-10	2.25E-08	5.71E-10	3.02E-09	5.30E-11	3.64E-09	5.19E-10	1.58E-09	1.60E-11	2.11E-09
3956	469341.08	3818823.06	6.14E-09	2.38E-08	3.15E-10	3.03E-08	5.11E-09	1.75E-08	2.26E-10	2.28E-08	5.80E-10	3.06E-09	5.38E-11	3.70E-09	5.27E-10	1.60E-09	1.63E-11	2.15E-09
3957	469344.9	3818814.29	6.23E-09	2.42E-08	3.20E-10	3.07E-08	5.19E-09	1.78E-08	2.30E-10	2.32E-08	5.88E-10	3.11E-09	5.46E-11	3.75E-09	5.35E-10	1.63E-09	1.65E-11	2.18E-09
3958	469348.72	3818805.53	6.32E-09	2.45E-08	3.25E-10	3.12E-08	5.26E-09	1.80E-08	2.33E-10	2.35E-08	5.97E-10	3.16E-09	5.54E-11	3.81E-09	5.43E-10	1.65E-09	1.68E-11	2.21E-09
3959	469352.54	3818796.77	6.41E-09	2.48E-08	3.29E-10	3.16E-08	5.34E-09	1.83E-08	2.36E-10	2.38E-08	6.05E-10	3.20E-09	5.61E-11	3.86E-09	5.50E-10	1.67E-09	1.70E-11	2.24E-09
3960	469356.37	3818788.01	6.49E-09	2.52E-08	3.34E-10	3.20E-08	5.41E-09	1.85E-08	2.39E-10	2.42E-08	6.13E-10	3.24E-09	5.69E-11	3.91E-09	5.57E-10	1.70E-09	1.72E-11	2.27E-09
3961	469360.19	3818779.25	6.57E-09	2.55E-08	3.38E-10	3.24E-08	5.48E-09	1.87E-08	2.42E-10	2.45E-08	6.21E-10	3.28E-09	5.76E-11	3.96E-09	5.64E-10	1.72E-09	1.74E-11	2.30E-09
3962	469364.01	3818770.49	6.65E-09	2.58E-08	3.42E-10	3.28E-08	5.54E-09	1.90E-08	2.45E-10	2.47E-08	6.28E-10	3.32E-09	5.83E-11	4.01E-09	5.71E-10	1.74E-09	1.76E-11	2.33E-09
3963	469367.83	3818761.73	6.72E-09	2.61E-08	3.45E-10	3.31E-08	5.60E-09	1.92E-08	2.48E-10	2.50E-08	6.35E-10	3.36E-09	5.89E-11	4.05E-09	5.77E-10	1.76E-09	1.78E-11	2.35E-09
3964	469371.65	3818752.96	6.79E-09	2.63E-08	3.49E-10	3.35E-08	5.66E-09	1.94E-08	2.50E-10	2.53E-08	6.41E-10	3.39E-09	5.95E-11	4.09E-09	5.83E-10	1.78E-09	1.80E-11	2.38E-09
3965	469375.47	3818744.2	6.86E-09	2.66E-08	3.52E-10	3.38E-08	5.71E-09	1.95E-08	2.53E-10	2.55E-08	6.48E-10	3.42E-09	6.01E-11	4.13E-09	5.89E-10	1.79E-09	1.82E-11	2.40E-09
3966	469379.29	3818735.44	6.92E-09	2.68E-08	3.56E-10	3.41E-08	5.76E-09	1.97E-08	2.55E-10	2.57E-08	6.53E-10	3.45E-09	6.06E-11	4.17E-09	5.94E-10	1.81E-09	1.83E-11	2.42E-09
3967	469383.11	3818726.68	6.98E-09	2.71E-08	3.59E-10	3.44E-08	5.81E-09	1.99E-08	2.57E-10	2.60E-08	6.59E-10	3.48E-09	6.11E-11	4.20E-09	5.99E-10	1.82E-09	1.85E-11	2.44E-09
3968	469386.93	3818717.92	7.03E-09	2.73E-08	3.61E-10	3.47E-08	5.86E-09	2.00E-08	2.59E-10	2.62E-08	6.64E-10	3.51E-09	6.16E-11	4.24E-09	6.04E-10	1.84E-09	1.86E-11	2.46E-09
3969	469390.75	3818709.16	7.09E-09	2.75E-08	3.64E-10	3.49E-08	5.90E-09	2.02E-08	2.61E-10	2.64E-08	6.69E-10	3.54E-09	6.21E-11	4.27E-09	6.08E-10	1.85E-09	1.88E-11	2.48E-09
3970	469394.58	3818700.4	7.14E-09	2.77E-08	3.67E-10	3.52E-08	5.95E-09	2.03E-08	2.63E-10	2.65E-08	6.74E-10	3.56E-09	6.25E-11	4.30E-09	6.13E-10	1.87E-09	1.89E-11	2.50E-09
3971	469398.4	3818691.63	7.18E-09	2.79E-08	3.69E-10	3.54E-08	5.98E-09	2.05E-08	2.65E-10	2.67E-08	6.78E-10	3.59E-09	6.30E-11	4.33E-09	6.17E-10	1.88E-09	1.90E-11	2.51E-09
3972	469402.22	3818682.87	7.23E-09	2.80E-08	3.71E-10	3.56E-08	6.02E-09	2.06E-08	2.67E-10	2.69E-08	6.83E-10	3.61E-09	6.33E-11	4.35E-09	6.21E-10	1.89E-09	1.92E-11	2.53E-09
3973	469406.04	3818674.11	7.27E-09	2.82E-08	3.74E-10	3.58E-08	6.06E-09	2.07E-08	2.68E-10	2.70E-08	6.87E-10	3.63E-09	6.37E-11	4.38E-09	6.24E-10	1.90E-09	1.93E-11	2.54E-09
3974	469409.86	3818665.35	7.31E-09	2.84E-08	3.76E-10	3.60E-08	6.09E-09	2.08E-08	2.70E-10	2.72E-08	6.90E-10	3.65E-09	6.41E-11	4.41E-09	6.28E-10	1.91E-09	1.94E-11	2.56E-09
3975	469413.68	3818656.59	7.36E-09	2.85E-08	3.78E-10	3.63E-08	6.13E-09	2.10E-08	2.71E-10	2.74E-08	6.95E-10	3.67E-09	6.45E-11	4.43E-09	6.32E-10	1.92E-09	1.95E-11	2.58E-09
3976	469417.5	3818647.83	7.40E-09	2.87E-08	3.80E-10	3.65E-08	6.16E-09	2.11E-08	2.73E-10	2.75E-08	6.98E-10	3.69E-09	6.48E-11	4.46E-09	6.35E-10	1.93E-09	1.96E-11	2.59E-09
3977	469421.32	3818639.07	7.43E-09	2.88E-08	3.82E-10	3.66E-08	6.19E-09	2.12E-08	2.74E-10	2.76E-08	7.02E-10	3.71E-09	6.51E-11	4.48E-09	6.38E-10	1.94E-09	1.97E-11	2.60E-09
3978	469425.14	3818630.3	7.47E-09	2.90E-08	3.84E-10	3.68E-08	6.22E-09	2.13E-08	2.75E-10	2.78E-08	7.05E-10	3.73E-09	6.54E-11	4.50E-09	6.41E-10	1.95E-09	1.98E-11	2.61E-09
3979	469428.96	3818621.54	7.51E-09	2.91E-08	3.86E-10	3.70E-08	6.25E-09	2.14E-08	2.77E-10	2.79E-08	7.09E-10	3.75E-09	6.58E-11	4.52E-09	6.45E-10	1.96E-09	1.99E-11	2.63E-09
3980	469432.79	3818612.78	7.55E-09	2.93E-08	3.88E-10	3.72E-08	6.29E-09	2.15E-08	2.78E-10	2.81E-08	7.13E-10	3.77E-09	6.61E-11	4.55E-09	6.48E-10	1.97E-09	2.00E-11	2.64E-09
3981	469436.61	3818604.02	7.59E-09	2.94E-08	3.90E-10	3.74E-08	6.32E-09	2.16E-08	2.80E-10	2.82E-08	7.17E-10	3.79E-09	6.65E-11	4.57E-09	6.51E-10	1.98E-09	2.01E-11	2.66E-09
3982	469440.43	3818595.26	7.62E-09	2.96E-08	3.92E-10	3.76E-08	6.35E-09	2.17E-08	2.81E-10	2.83E-08	7.20E-10	3.80E-09	6.68E-11	4.59E-09	6.54E-10	1.99E-09	2.02E-11	2.67E-09
3983	469444.25	3818586.5	7.66E-09	2.97E-08	3.94E-10	3.78E-08	6.38E-09	2.18E-08	2.83E-10	2.85E-08	7.24E-10	3.83E-09	6.72E-11	4.62E-09	6.58E-10	2.00E-09	2.03E-11	2.68E-09
3984	469448.07	3818577.73	7.70E-09	2.99E-08	3.96E-10	3.80E-08	6.42E-09	2.20E-08	2.84E-10	2.87E-08	7.28E-10	3.85E-09	6.75E-11	4.64E-09	6.61E-10	2.01E-09	2.04E-11	2.70E-09
3985	469451.89	3818568.97	7.74E-09	3.00E-08	3.98E-10	3.82E-08	6.45E-09	2.21E-08	2.86E-10	2.88E-08	7.31E-10	3.86E-09	6.78E-11	4.66E-09	6.65E-10	2.02E-09	2.05E-11	2.71E-09
3986	469464.6	3818556.69	7.92E-09	3.07E-08	4.07E-10	3.91E-08	6.60E-09	2.26E-08	2.92E-10	2.95E-08	7.48E-10	3.96E-09	6.94E-11	4.77E-09	6.80E-10	2.07E-09	2.10E-11	2.77E-09
3987	469473.48	3818553.17	8.08E-09	3.13E-08	4.15E-10	3.98E-08	6.73E-09	2.30E-08	2.98E-10	3.00E-08	7.63E-10	4.03E-09	7.08E-11	4.87E-09	6.93E-10	2.11E-09	2.14E-11	2.83E-09
3988	469482.37	3818549.65	8.23E-09	3.19E-08	4.23E-10	4.06E-08	6.85E-09	2.34E-08	3.03E-10	3.06E-08	7.77E-10	4.11E-09	7.21E-11	4.96E-09	7.06E-10	2.15E-09	2.18E-11	2.88E-09
3989	469509.03	3818539.09	8.67E-09	3.36E-08	4.46E-10	4.28E-08	7.22E-09	2.47E-08	3.20E-10	3.23E-08	8.19E-10	4.33E-09	7.60E-11	5.22E-09	7.44E-10	2.27E-09	2.30E-11	3.03E-09
3990	469517.92	3818535.57	8.82E-09	3.42E-08	4.53E-10	4.35E-08	7.34E-09	2.51E-08	3.25E-10	3.28E-08	8.33E-10	4.40E-09	7.73E-11	5.31E-09	7.57E-10	2.30E-09	2.34E-11	3.09E-09
3991	469526.81	3818532.05	8.95E-09	3.47E-08	4.60E-10	4.41E-08	7.46E-09	2.55E-08	3.30E-10	3.33E-08	8.45E-10	4.47E-09	7.84E-11	5.39E-09	7.68E-10	2.34E-09	2.37E-11	3.13E-09
3992	469535.69	3818528.53	9.09E-09	3.52E-08	4.67E-10	4.48E-08	7.57E-09	2.59E-08	3.35E-10	3.38E-08	8.58E-10	4.54E-09	7.96E-11	5.47E-09	7.80E-10	2.38E-09	2.41E-11	3.18E-09
3993	469544.58	3818525.01	9.22E-09	3.57E-08	4.74E-10	4.54E-08	7.68E-09	2.63E-08	3.40E-10	3.43E-08	8.70E-10	4.60E-09	8.08E-11	5.55E-09	7.91E-10	2.41E-09	2.44E-11	3.23E-09
3994	469553.47	3818521.5	9.35E-09	3.63E-08	4.80E-10	4.61E-08	7.79E-09	2.66E-08	3.45E-10	3.48E-08	8.83E-10	4.67E-09	8.19E-11	5.63E-09	8.03E-10	2.44E-09	2.48E-11	3.27E-09
3995	469562.35	3818517.98	9.48E-09	3.68E-08	4.87E-10	4.67E-08	7.89E-09	2.70E-08	3.49E-10	3.52E-08	8.95E-10	4.73E-09	8.30E-11	5.71E-09	8.13E-10	2.48E-09	2.51E-11	3.32E-09
3996	469571.24	3818514.46	9.60E-09	3.72E-08	4.93E-10	4.73E-08	8.00E-09	2.74E-08	3.54E-10	3.57E-08	9.07E-10	4.79E-09	8.42E-11	5.79E-09	8.24E-10	2.51E-09	2.55E-11	3.36E-09
3997	469580.13	3818510.94	9.72E-09	3.77E-08	4.99E-10	4.79E-08	8.09E-09	2.77E-08	3.58E-10	3.61E-08	9.17E-10	4.85E-09	8.51E-11	5.85E-09	8.34E-10	2.54E-09	2.58E-11	3.40E-09
3998	469589.01	3818507.42	9.83E-09	3.81E-08	5.05E-10	4.85E-08	8.19E-09	2.80E-08	3.62E-10	3.66E-08	9.28E-10	4.91E-09	8.61E-11	5.92E-09	8.44E-10	2.57E-09	2.61E-11	3.44E-09
3999	469597.9	3818503.9	9.94E-09	3.85E-08	5.11E-10	4.90E-08	8.28E-09	2.83E-08	3.66E-10	3.70E-08	9.38E-10	4.96E-09	8.71E-11	5.99E-09	8.53E-10	2.60E-09	2.63E-11	3.48E-09
4000	469606.79	3818500.38	1.00E-08	3.89E-08	5.16E-10	4.95E-08	8.36E-09	2.86E-08	3.70E-10	3.73E-08	9.48E-10	5.01E-09	8.80E-11	6.05E-09	8.62E-10	2.62E-09	2.66E-11	3.51E-09
4001	469615.67	3818496.86	1.01E-08	3.93E-08	5.21E-10	5.00E-08	8.45E-09	2.89E-08	3.74E-10	3.77E-08	9.58E-10	5.06E-09	8.89E-11	6.11E-09	8.71E-10	2.65E-09	2.69E-11	3.55E-09
4002	469624.56	3818493.34	1.02E-08	3.97E-08	5.26E-10	5.05E-08	8.53E-09	2.92E-08	3.78E-10	3.81E-08	9.67E-10	5.11E-09	8.97E-11	6.17E-09	8.79E-10	2.68E-09	2.71E-11	3.58E-09
4003	469633.45	3818489.82	1.03E-08	4.01E-08	5.31E-10	5.10E-08	8.61E-09	2.95E-08	3.81E-10	3.85E-08	9.76E-10	5.16E-09	9.06E-11	6.23E-09	8.87E-10	2.70E-09	2.74E-11	3.62E-09
4004	469642.33	3818486.3	1.04E-08	4.05E-08	5.36E-10	5.15E-08	8.70E-09	2.98E-08	3.85E-10	3.88E-08	9.86E-10	5.21E-09	9.15E-11	6.29E-09	8.96E-10	2.73E-09	2.77E-11	3.65E-09
4005	469651.22	3818482.78	1.05E-08	4.09E-08	5.41E-10	5.19E-08	8.77E-09	3.00E-08	3.88E-10	3.92E-08	9.95E-10	5.26E-09	9.23E-11	6.35E-09	9.04E-10	2.75E-09	2.79E-11	3.69E-09
4006	469660.11	3818479.26	1.06E-08	4.12E-08	5.46E-10	5.24E-08	8.85E-09	3.03E-08	3.92E-10	3.95E-08	1.00E-09	5.30E-09	9.31E-11	6.40E-09	9.12E-10	2.78E-09	2.82E-11	3.72E-09
4007	469668.99	3818475.74	1.07E-08	4.16E-08	5.51E-10	5.29E-08	8.93E-09	3.06E-08	3.96E-10	3.99E-08	1.01E-09	5.36E-09	9.40E-11	6.46E-09	9.21E-10	2.80E-09	2.84E-11	3.75E-09
4008	469677.88	3818472.22	1.08E-08	4.20E-08	5.57E-10	5.34E-08	9.02E-09	3.09E-08	3.99E-10	4.03E-08	1.02E-09	5.41E-09	9.49E-11	6.53E-09	9.30E-10	2.83E-09	2.87E-11	3.79E-09
4009	469713.43	3818458.14	1.12E-08	4.35E-08	5.77E-10	5.54E-08	9.35E-09	3.20E-08	4.14E-10	4.18E-08	1.06E-09	5.61E-09	9.84E-11	6.76E-09	9.64E-10	2.94E-09	2.98E-11	3.93E-09
4010	469722.31	3818454.62	1.13E-08	4.39E-08	5.82E-10	5.59E-08	9.44E-09	3.23E-08	4.18E-10	4.21E-08	1.07E-09	5.66E-09	9.93E-11	6.83E-09	9.73E-10	2.96E-09	3.00E-11	3.96E-09
4011	469731.2	3818451.1	1.14E-08	4.43E-08	5.87E-10	5.63E-08	9.52E-09	3.26E-08	4.21E-10	4.25E-08	1.08E-09	5.70E-09	1.00E-10	6.88E-09	9.81E-10	2.99E-09	3.03E-11	4.00E-09
4012	469740.09	3818447.58	1.15E-08	4.47E-08	5.92E-10	5.68E-08	9.59E-09	3.28E-08	4.25E-10	4.28E-08	1.09E-09	5.75E-09	1.01E-10	6.94E-09	9.89E-10	3.01E-09	3.05E-11	4.03E-09
4013	469748.97	3818444.06	1.16E-08	4.50E-08	5.97E-10	5.73E-08	9.67E-09	3.31E-08	4.28E-10	4.32E-08	1.10E-09	5.80E-09	1.02E-10	7.00E-09	9.97E-10	3.04E-09	3.08E-11	4.06E-09
4014	469757.86	3818440.54	1.17E-08	4.54E-08	6.01E-10	5.77E-08	9.75E-09	3.34E-08	4.32E-10	4.35E-08	1.11E-09	5.84E-09	1.03E-10	7.05E-09	1.00E-09	3.06E-09	3.10E-11	4.10E-09
4015	469828.96	3818412.38	1.24E-08	4.80E-08	6.36E-10	6.10E-08	1.03E-08	3.53E-08	4.56E-10	4.60E-08	1.17E-09	6.18E-09	1.08E-10	7.45E-09	1.06E-09	3.23E-09	3.28E-11	4.33E-09
4016	469837.84	3818408.86	1.24E-08	4.82E-08	6.39E-10	6.13E-08	1.04E-08	3.54E-08	4.58E-10	4.62E-08	1.17E-09	6.20E-09	1.09E-10	7.49E-09	1.07E-09	3.25E-09	3.29E-11	4.35E-09
4017	469846.73	3818405.34	1.25E-08	4.84E-08	6.41E-10	6.15E-08	1.04E-08	3.56E-08	4.60E-10	4.64E-08	1.18E-09	6.23E-09	1.09E-10	7.52E-09	1.07E-09	3.26E-09	3.31E-11	4.37E-09
4018	469855.62	3818401.82	1.25E-08	4.86E-08	6.44E-10	6.18E-08	1.04E-08	3.57E-08	4.62E-10	4.66E-08	1.18E-09	6.26E-09	1.10E-10	7.55E-09	1.08E-09	3.28E-09	3.32E-11	4.39E-09
4019	469864.5	3818398.31	1.26E-08	4.88E-08	6.46E-10	6.20E-08	1.05E-08	3.59E-08	4.64E-10	4.68E-08	1.19E-09	6.28E-09	1.10E-10	7.58E-09	1.08E-09	3.29E-09	3.34E-11	4.40E-09
4020	469873.39	3818394.79	1.26E-08	4.90E-08	6.49E-10	6.22E-08	1.05E-08	3.60E-08	4.66E-10	4.70E-08	1.19E-09	6.30E-09	1.11E-10	7.61E-09	1.08E-09	3.30E-09	3.35E-11	4.42E-09
4021	469882.28	3818391.27	1.27E-08	4.91E-08	6.51E-10	6.24E-08	1.05E-08	3.61E-08	4.67E-10	4.71E-08	1.20E-09	6.32E-09	1.11E-10	7.63E-09	1.09E-09	3.31E-09	3.36E-11	4.43E-09
4022	469891.16	3818387.75	1.27E-08	4.93E-08	6.53E-10	6.26E-08	1.06E-08	3.62E-08	4.68E-10	4.72E-08	1.20E-09	6.34E-09	1.11E-10	7.65E-09	1.09E-09	3.32E-09	3.37E-11	4.44E-09
4023	469900.05	3818384.23	1.27E-08	4.94E-08	6.55E-10	6.28E-08	1.06E-08	3.63E-08	4.70E-10	4.74E-08	1.20E-09	6.36E-09	1.12E-10	7.68E-09	1.09E-09	3.33E-09	3.38E-11	4.46E-09
4024	469908.94	3818380.71	1.28E-08	4.96E-08	6.57E-10	6.30E-08	1.06E-08	3.64E-08	4.71E-10	4.76E-08	1.21E-09	6.38E-09	1.12E-10	7.70E-09	1.10E-09	3.34E-09	3.39E-11	4.47E-09
4025	469917.82	3818377.19	1.28E-08	4.97E-08	6.59E-10	6.32E-08	1.07E-08	3.65E-08	4.73E-10	4.77E-08	1.21E-09	6.40E-09	1.12E-10	7.73E-09	1.10E-09	3.35E-09	3.40E-11	4.49E-09
4026	469926.71	3818373.67	1.29E-08	4.99E-08	6.61E-10	6.35E-08	1.07E-08	3.67E-08	4.75E-10	4.79E-08	1.22E-09	6.43E-09	1.13E-10	7.75E-09	1.11E-09	3.36E-09	3.41E-11	4.50E-09
4027	469935.6	3818370.15	1.29E-08	5.01E-08	6.64E-10	6.37E-08	1.08E-08	3.68E-08	4.76E-10	4.81E-08	1.22E-09	6.45E-09	1.13E-10	7.78E-09	1.11E-09	3.38E-09	3.42E-11	4.52E-09
4028	469944.48	3818366.63	1.30E-08	5.03E-08	6.66E-10	6.39E-08	1.08E-08	3.70E-08	4.78E-10	4.82E-08	1.22E-09	6.48E-09	1.14E-10	7.81E-09	1.11E-09	3.39E-09	3.44E-11

4029	469953.37	3818363.11	1.30E-08	5.05E-08	6.69E-10	6.42E-08	1.08E-08	3.71E-08	4.80E-10	4.84E-08	1.23E-09	6.50E-09	1.14E-10	7.85E-09	1.12E-09	3.40E-09	3.45E-11	4.56E-09
4030	469962.26	3818359.59	1.31E-08	5.08E-08	6.72E-10	6.45E-08	1.09E-08	3.73E-08	4.83E-10	4.87E-08	1.24E-09	6.53E-09	1.15E-10	7.88E-09	1.12E-09	3.42E-09	3.47E-11	4.58E-09
4031	469971.14	3818356.07	1.31E-08	5.10E-08	6.76E-10	6.48E-08	1.10E-08	3.75E-08	4.85E-10	4.89E-08	1.24E-09	6.56E-09	1.15E-10	7.92E-09	1.13E-09	3.44E-09	3.49E-11	4.60E-09
4032	469980.03	3818352.55	1.32E-08	5.13E-08	6.79E-10	6.52E-08	1.10E-08	3.77E-08	4.88E-10	4.92E-08	1.25E-09	6.60E-09	1.16E-10	7.96E-09	1.13E-09	3.46E-09	3.50E-11	4.63E-09
4033	469988.92	3818349.03	1.33E-08	5.16E-08	6.83E-10	6.55E-08	1.11E-08	3.79E-08	4.90E-10	4.94E-08	1.26E-09	6.64E-09	1.16E-10	8.01E-09	1.14E-09	3.48E-09	3.52E-11	4.65E-09
4034	469997.8	3818345.51	1.34E-08	5.19E-08	6.87E-10	6.59E-08	1.11E-08	3.81E-08	4.93E-10	4.97E-08	1.26E-09	6.67E-09	1.17E-10	8.05E-09	1.15E-09	3.50E-09	3.54E-11	4.68E-09
4035	470006.69	3818341.99	1.35E-08	5.22E-08	6.91E-10	6.63E-08	1.12E-08	3.83E-08	4.96E-10	5.00E-08	1.27E-09	6.72E-09	1.18E-10	8.11E-09	1.15E-09	3.52E-09	3.57E-11	4.71E-09
4036	470033.35	3818331.43	1.37E-08	5.32E-08	7.05E-10	6.77E-08	1.14E-08	3.91E-08	5.06E-10	5.11E-08	1.30E-09	6.85E-09	1.20E-10	8.27E-09	1.18E-09	3.59E-09	3.64E-11	4.80E-09
4037	470042.24	3818327.91	1.38E-08	5.36E-08	7.10E-10	6.81E-08	1.15E-08	3.94E-08	5.10E-10	5.14E-08	1.31E-09	6.90E-09	1.21E-10	8.33E-09	1.19E-09	3.61E-09	3.66E-11	4.84E-09
4038	470051.13	3818324.39	1.39E-08	5.39E-08	7.14E-10	6.85E-08	1.16E-08	3.96E-08	5.13E-10	5.17E-08	1.31E-09	6.94E-09	1.22E-10	8.37E-09	1.19E-09	3.63E-09	3.69E-11	4.86E-09
4039	470060.01	3818320.87	1.40E-08	5.42E-08	7.17E-10	6.88E-08	1.16E-08	3.98E-08	5.15E-10	5.19E-08	1.32E-09	6.97E-09	1.22E-10	8.41E-09	1.20E-09	3.65E-09	3.70E-11	4.89E-09
4040	470068.9	3818317.35	1.40E-08	5.43E-08	7.20E-10	6.91E-08	1.17E-08	3.99E-08	5.17E-10	5.21E-08	1.32E-09	7.00E-09	1.23E-10	8.44E-09	1.20E-09	3.66E-09	3.71E-11	4.90E-09
4041	470077.79	3818313.83	1.41E-08	5.45E-08	7.22E-10	6.93E-08	1.17E-08	4.00E-08	5.18E-10	5.23E-08	1.33E-09	7.02E-09	1.23E-10	8.47E-09	1.21E-09	3.67E-09	3.73E-11	4.92E-09
4042	470086.67	3818310.31	1.41E-08	5.46E-08	7.23E-10	6.94E-08	1.17E-08	4.01E-08	5.19E-10	5.24E-08	1.33E-09	7.03E-09	1.23E-10	8.48E-09	1.21E-09	3.68E-09	3.73E-11	4.93E-09
4043	470095.56	3818306.79	1.41E-08	5.46E-08	7.23E-10	6.94E-08	1.17E-08	4.01E-08	5.19E-10	5.24E-08	1.33E-09	7.03E-09	1.23E-10	8.48E-09	1.21E-09	3.68E-09	3.73E-11	4.93E-09
4044	470104.45	3818303.27	1.41E-08	5.45E-08	7.22E-10	6.93E-08	1.17E-08	4.01E-08	5.18E-10	5.23E-08	1.33E-09	7.02E-09	1.23E-10	8.47E-09	1.21E-09	3.67E-09	3.73E-11	4.92E-09
4045	470113.33	3818299.75	1.40E-08	5.44E-08	7.20E-10	6.91E-08	1.17E-08	3.99E-08	5.17E-10	5.21E-08	1.32E-09	7.00E-09	1.23E-10	8.44E-09	1.20E-09	3.66E-09	3.72E-11	4.90E-09
4046	469168.75	3819236.62	4.00E-09	1.55E-08	2.05E-10	1.97E-08	3.33E-09	1.14E-08	1.47E-10	1.49E-08	3.77E-10	2.00E-09	3.50E-11	2.41E-09	3.43E-10	1.04E-09	1.06E-11	1.40E-09
4047	469168.56	3819246.27	4.06E-09	1.58E-08	2.09E-10	2.00E-08	3.38E-09	1.16E-08	1.50E-10	1.51E-08	3.84E-10	2.03E-09	3.56E-11	2.45E-09	3.49E-10	1.06E-09	1.08E-11	1.42E-09
4048	469168.37	3819255.92	4.13E-09	1.60E-08	2.12E-10	2.03E-08	3.44E-09	1.18E-08	1.52E-10	1.54E-08	3.90E-10	2.06E-09	3.62E-11	2.49E-09	3.54E-10	1.08E-09	1.09E-11	1.44E-09
4049	469168.17	3819265.56	4.19E-09	1.63E-08	2.15E-10	2.07E-08	3.49E-09	1.19E-08	1.55E-10	1.56E-08	3.96E-10	2.09E-09	3.67E-11	2.53E-09	3.60E-10	1.10E-09	1.11E-11	1.47E-09
4050	469167.98	3819275.21	4.26E-09	1.65E-08	2.19E-10	2.10E-08	3.55E-09	1.21E-08	1.57E-10	1.58E-08	4.02E-10	2.13E-09	3.73E-11	2.57E-09	3.66E-10	1.11E-09	1.13E-11	1.49E-09
4051	469167.79	3819284.86	4.32E-09	1.68E-08	2.22E-10	2.13E-08	3.60E-09	1.23E-08	1.59E-10	1.61E-08	4.08E-10	2.16E-09	3.79E-11	2.60E-09	3.71E-10	1.13E-09	1.15E-11	1.51E-09
4052	469167.59	3819294.51	4.39E-09	1.70E-08	2.26E-10	2.17E-08	3.66E-09	1.25E-08	1.62E-10	1.63E-08	4.15E-10	2.19E-09	3.85E-11	2.65E-09	3.77E-10	1.15E-09	1.16E-11	1.54E-09
4053	469167.4	3819304.16	4.46E-09	1.73E-08	2.29E-10	2.20E-08	3.71E-09	1.27E-08	1.64E-10	1.66E-08	4.21E-10	2.23E-09	3.91E-11	2.69E-09	3.83E-10	1.17E-09	1.18E-11	1.56E-09
4054	469167.21	3819313.8	4.52E-09	1.75E-08	2.32E-10	2.23E-08	3.76E-09	1.29E-08	1.67E-10	1.68E-08	4.27E-10	2.26E-09	3.96E-11	2.72E-09	3.88E-10	1.18E-09	1.20E-11	1.58E-09
4055	469167.01	3819323.45	4.59E-09	1.78E-08	2.36E-10	2.26E-08	3.82E-09	1.31E-08	1.69E-10	1.71E-08	4.33E-10	2.29E-09	4.02E-11	2.76E-09	3.94E-10	1.20E-09	1.22E-11	1.60E-09
4056	469166.82	3819333.1	4.65E-09	1.80E-08	2.39E-10	2.29E-08	3.87E-09	1.32E-08	1.71E-10	1.73E-08	4.39E-10	2.32E-09	4.07E-11	2.80E-09	3.99E-10	1.21E-09	1.23E-11	1.63E-09
4057	469166.63	3819342.75	4.71E-09	1.83E-08	2.42E-10	2.32E-08	3.92E-09	1.34E-08	1.74E-10	1.75E-08	4.45E-10	2.35E-09	4.13E-11	2.84E-09	4.04E-10	1.23E-09	1.25E-11	1.65E-09
4058	469166.43	3819352.4	4.79E-09	1.86E-08	2.46E-10	2.36E-08	3.99E-09	1.37E-08	1.77E-10	1.78E-08	4.53E-10	2.39E-09	4.20E-11	2.89E-09	4.11E-10	1.25E-09	1.27E-11	1.68E-09
4059	469166.24	3819362.05	4.87E-09	1.89E-08	2.50E-10	2.40E-08	4.05E-09	1.39E-08	1.79E-10	1.81E-08	4.59E-10	2.43E-09	4.26E-11	2.93E-09	4.18E-10	1.27E-09	1.29E-11	1.70E-09
4060	469166.05	3819371.69	4.94E-09	1.92E-08	2.54E-10	2.43E-08	4.11E-09	1.41E-08	1.82E-10	1.84E-08	4.66E-10	2.47E-09	4.33E-11	2.97E-09	4.24E-10	1.29E-09	1.31E-11	1.73E-09
4061	469165.85	3819381.34	5.02E-09	1.95E-08	2.58E-10	2.48E-08	4.18E-09	1.43E-08	1.85E-10	1.87E-08	4.74E-10	2.51E-09	4.40E-11	3.03E-09	4.31E-10	1.31E-09	1.33E-11	1.76E-09
4062	469165.66	3819390.99	5.11E-09	1.98E-08	2.62E-10	2.52E-08	4.25E-09	1.45E-08	1.88E-10	1.90E-08	4.82E-10	2.55E-09	4.47E-11	3.08E-09	4.38E-10	1.33E-09	1.35E-11	1.79E-09
4063	469165.47	3819400.64	5.20E-09	2.02E-08	2.67E-10	2.56E-08	4.33E-09	1.48E-08	1.92E-10	1.93E-08	4.91E-10	2.59E-09	4.55E-11	3.13E-09	4.46E-10	1.36E-09	1.38E-11	1.82E-09
4064	469165.27	3819410.29	5.28E-09	2.05E-08	2.71E-10	2.60E-08	4.40E-09	1.51E-08	1.95E-10	1.97E-08	4.99E-10	2.64E-09	4.63E-11	3.18E-09	4.54E-10	1.38E-09	1.40E-11	1.85E-09
4065	469165.08	3819419.93	5.37E-09	2.08E-08	2.76E-10	2.65E-08	4.47E-09	1.53E-08	1.98E-10	2.00E-08	5.07E-10	2.68E-09	4.71E-11	3.24E-09	4.61E-10	1.40E-09	1.42E-11	1.88E-09
4066	469164.89	3819429.58	5.46E-09	2.12E-08	2.81E-10	2.69E-08	4.55E-09	1.56E-08	2.01E-10	2.03E-08	5.16E-10	2.73E-09	4.79E-11	3.29E-09	4.69E-10	1.43E-09	1.45E-11	1.91E-09
4067	469096.83	3819198.12	3.28E-09	1.27E-08	1.68E-10	1.62E-08	2.73E-09	9.34E-09	1.21E-10	1.22E-08	3.09E-10	1.64E-09	2.87E-11	1.97E-09	2.81E-10	8.56E-10	8.69E-12	1.15E-09
4068	469100.67	3819189.31	3.25E-09	1.26E-08	1.67E-10	1.60E-08	2.71E-09	9.27E-09	1.20E-10	1.21E-08	3.07E-10	1.62E-09	2.85E-11	1.96E-09	2.79E-10	8.51E-10	8.63E-12	1.14E-09
4069	469104.51	3819180.51	3.23E-09	1.25E-08	1.66E-10	1.59E-08	2.69E-09	9.21E-09	1.19E-10	1.20E-08	3.05E-10	1.61E-09	2.83E-11	1.95E-09	2.77E-10	8.45E-10	8.57E-12	1.13E-09
4070	469108.35	3819171.71	3.21E-09	1.25E-08	1.65E-10	1.58E-08	2.68E-09	9.16E-09	1.19E-10	1.20E-08	3.04E-10	1.60E-09	2.82E-11	1.94E-09	2.76E-10	8.40E-10	8.52E-12	1.12E-09
4071	469112.19	3819162.9	3.20E-09	1.24E-08	1.64E-10	1.58E-08	2.67E-09	9.12E-09	1.18E-10	1.19E-08	3.02E-10	1.60E-09	2.80E-11	1.93E-09	2.75E-10	8.36E-10	8.48E-12	1.12E-09
4072	469116.03	3819154.1	3.19E-09	1.24E-08	1.64E-10	1.57E-08	2.65E-09	9.08E-09	1.17E-10	1.18E-08	3.01E-10	1.59E-09	2.79E-11	1.92E-09	2.73E-10	8.33E-10	8.44E-12	1.11E-09
4073	469119.87	3819145.3	3.17E-09	1.23E-08	1.63E-10	1.56E-08	2.64E-09	9.04E-09	1.17E-10	1.18E-08	2.99E-10	1.58E-09	2.78E-11	1.91E-09	2.72E-10	8.29E-10	8.41E-12	1.11E-09
4074	469123.71	3819136.49	3.16E-09	1.23E-08	1.62E-10	1.56E-08	2.63E-09	9.01E-09	1.17E-10	1.18E-08	2.98E-10	1.58E-09	2.77E-11	1.90E-09	2.71E-10	8.26E-10	8.38E-12	1.11E-09
4075	469127.54	3819127.69	3.16E-09	1.23E-08	1.62E-10	1.56E-08	2.63E-09	9.01E-09	1.17E-10	1.18E-08	2.98E-10	1.58E-09	2.77E-11	1.90E-09	2.71E-10	8.26E-10	8.38E-12	1.11E-09
4076	469131.38	3819118.89	3.16E-09	1.23E-08	1.62E-10	1.56E-08	2.63E-09	9.01E-09	1.17E-10	1.18E-08	2.98E-10	1.58E-09	2.77E-11	1.90E-09	2.71E-10	8.26E-10	8.38E-12	1.11E-09
4077	469135.22	3819110.09	3.16E-09	1.23E-08	1.63E-10	1.56E-08	2.63E-09	9.02E-09	1.17E-10	1.18E-08	2.99E-10	1.58E-09	2.77E-11	1.91E-09	2.72E-10	8.27E-10	8.39E-12	1.11E-09
4078	469139.06	3819101.28	3.17E-09	1.23E-08	1.63E-10	1.56E-08	2.64E-09	9.03E-09	1.17E-10	1.18E-08	2.99E-10	1.58E-09	2.78E-11	1.91E-09	2.72E-10	8.28E-10	8.40E-12	1.11E-09
4079	469142.9	3819092.48	3.18E-09	1.23E-08	1.63E-10	1.57E-08	2.65E-09	9.06E-09	1.17E-10	1.18E-08	3.00E-10	1.59E-09	2.78E-11	1.91E-09	2.73E-10	8.31E-10	8.42E-12	1.11E-09
4080	469146.74	3819083.68	3.19E-09	1.24E-08	1.64E-10	1.57E-08	2.66E-09	9.10E-09	1.18E-10	1.19E-08	3.01E-10	1.59E-09	2.80E-11	1.92E-09	2.74E-10	8.35E-10	8.46E-12	1.12E-09
4081	469150.58	3819074.87	3.21E-09	1.25E-08	1.65E-10	1.58E-08	2.67E-09	9.15E-09	1.18E-10	1.19E-08	3.03E-10	1.60E-09	2.81E-11	1.93E-09	2.76E-10	8.39E-10	8.51E-12	1.12E-09
4082	469154.42	3819066.07	3.23E-09	1.25E-08	1.66E-10	1.59E-08	2.69E-09	9.21E-09	1.19E-10	1.20E-08	3.05E-10	1.61E-09	2.83E-11	1.95E-09	2.77E-10	8.45E-10	8.57E-12	1.13E-09
4083	469158.26	3819057.27	3.25E-09	1.26E-08	1.67E-10	1.60E-08	2.71E-09	9.27E-09	1.20E-10	1.21E-08	3.07E-10	1.62E-09	2.85E-11	1.96E-09	2.79E-10	8.51E-10	8.63E-12	1.14E-09
4084	469162.1	3819048.47	3.28E-09	1.27E-08	1.69E-10	1.62E-08	2.73E-09	9.35E-09	1.21E-10	1.22E-08	3.10E-10	1.64E-09	2.87E-11	1.98E-09	2.82E-10	8.57E-10	8.69E-12	1.15E-09
4085	469165.94	3819039.66	3.31E-09	1.28E-08	1.70E-10	1.63E-08	2.76E-09	9.44E-09	1.22E-10	1.23E-08	3.13E-10	1.65E-09	2.90E-11	2.00E-09	2.84E-10	8.66E-10	8.78E-12	1.16E-09
4086	469169.77	3819030.86	3.35E-09	1.30E-08	1.72E-10	1.65E-08	2.79E-09	9.53E-09	1.23E-10	1.24E-08	3.16E-10	1.67E-09	2.93E-11	2.02E-09	2.87E-10	8.74E-10	8.87E-12	1.17E-09
4087	469173.61	3819022.06	3.38E-09	1.31E-08	1.74E-10	1.67E-08	2.82E-09	9.64E-09	1.25E-10	1.26E-08	3.19E-10	1.69E-09	2.96E-11	2.04E-09	2.90E-10	8.84E-10	8.96E-12	1.18E-09
4088	469177.45	3819013.25	3.42E-09	1.33E-08	1.76E-10	1.68E-08	2.85E-09	9.74E-09	1.26E-10	1.27E-08	3.23E-10	1.71E-09	3.00E-11	2.06E-09	2.93E-10	8.93E-10	9.06E-12	1.20E-09
4089	469181.29	3819004.45	3.46E-09	1.34E-08	1.78E-10	1.71E-08	2.88E-09	9.86E-09	1.28E-10	1.29E-08	3.27E-10	1.73E-09	3.03E-11	2.09E-09	2.97E-10	9.05E-10	9.18E-12	1.21E-09
4090	469185.13	3818995.65	3.51E-09	1.36E-08	1.80E-10	1.73E-08	2.92E-09	1.00E-08	1.29E-10	1.31E-08	3.31E-10	1.75E-09	3.07E-11	2.11E-09	3.01E-10	9.17E-10	9.30E-12	1.23E-09
4091	469188.97	3818986.85	3.56E-09	1.38E-08	1.83E-10	1.75E-08	2.96E-09	1.01E-08	1.31E-10	1.32E-08	3.36E-10	1.78E-09	3.12E-11	2.14E-09	3.05E-10	9.30E-10	9.43E-12	1.24E-09
4092	469192.81	3818978.04	3.60E-09	1.40E-08	1.85E-10	1.78E-08	3.00E-09	1.03E-08	1.33E-10	1.34E-08	3.40E-10	1.80E-09	3.16E-11	2.17E-09	3.09E-10	9.42E-10	9.55E-12	1.26E-09
4093	469196.65	3818969.24	3.66E-09	1.42E-08	1.88E-10	1.80E-08	3.05E-09	1.04E-08	1.35E-10	1.36E-08	3.45E-10	1.83E-09	3.21E-11	2.20E-09	3.14E-10	9.56E-10	9.70E-12	1.28E-09
4094	469200.49	3818960.44	3.72E-09	1.44E-08	1.91E-10	1.83E-08	3.10E-09	1.06E-08	1.37E-10	1.38E-08	3.51E-10	1.86E-09	3.26E-11	2.24E-09	3.19E-10	9.71E-10	9.85E-12	1.30E-09
4095	469204.33	3818951.63	3.77E-09	1.46E-08	1.94E-10	1.86E-08	3.14E-09	1.08E-08	1.39E-10	1.40E-08	3.56E-10	1.88E-09	3.31E-11	2.27E-09	3.24E-10	9.87E-10	1.00E-11	1.32E-09
4096	469208.16	3818942.83	3.84E-09	1.49E-08	1.97E-10	1.89E-08	3.20E-09	1.09E-08	1.41E-10	1.43E-08	3.62E-10	1.92E-09	3.36E-11	2.31E-09	3.29E-10	1.00E-09	1.02E-11	1.34E-09
4097	469212	3818934.03	3.89E-09	1.51E-08	2.00E-10	1.92E-08	3.24E-09	1.11E-08	1.44E-10	1.45E-08	3.68E-10	1.94E-09	3.41E-11	2.35E-09	3.34E-10	1.02E-09	1.03E-11	1.36E-09
4098	469215.84	3818925.23	3.96E-09	1.54E-08	2.03E-10	1.95E-08	3.30E-09	1.13E-08	1.46E-10	1.47E-08	3.74E-10	1.98E-09	3.47E-11	2.39E-09	3.40E-10	1.04E-09	1.05E-11	1.39E-09
4099	469219.68	3818916.42	4.03E-09	1.56E-08	2.07E-10	1.99E-08	3.36E-09	1.15E-08	1.49E-10	1.50E-08	3.81E-10	2.01E-09	3.53E-11	2.43E-09	3.46E-10	1.05E-09	1.07E-11	1.41E-09
4100	469223.52	3818907.62	4.11E-09	1.59E-08	2.11E-10	2.03E-08	3.42E-09	1.17E-08	1.52E-10	1.53E-08	3.88E-10	2.05E-09	3.60E-11	2.48E-09	3.53E-10	1.07E-09	1.09E-11	1.44E-09
4101	469227.36	3818898.82	4.19E-09	1.62E-08	2.15E-10	2.06E-08	3.49E-09	1.19E-08	1.54E-10	1.56E-08	3.96E-10	2.09E-09	3.67E-11	2.52E-09	3.60E-10	1.10E-09	1.11E-11	1.47E-09
4102	469231.2	3818890.01	4.27E-09	1.66E-08	2.19E-10	2.10E-08	3.56E-09	1.22E-08	1.57E-10	1.59E-08	4.03E-10	2.13E-09	3.74E-11	2.57E-09	3.66E-10	1.12E-09	1.13E-11	1.49E-09
4103	469235.04	3818881.21	4.35E-09	1.69E-08	2.24E-10	2.15E-08	3.63E-09	1.24E-08	1.61E-10	1.62E-08	4.11E-10	2.17E-09	3.81E-11	2.62E-09	3.74E-10	1.14E-09	1.15E-11	1.52E-09
4104	469238.88	3818872.41	4.44E-09	1.72E-08	2.28E-10	2.19E-08	3.69E-09	1.26E-08	1.64E-10	1.65E-08	4.19E-10	2.21E-09	3.89E-11	2.67E-09	3.81E-10	1.16E-09	1.18E-11	1.55E-09
4105	469242.72	3818863.61	4.52E-09	1.75E-08	2.32E-10	2.23E-08	3.77E-09	1.29E-08	1.67E-10	1.68E-08	4.27E-10	2.26E-09	3.96E-11	2.73E-09	3.88E-10	1.18E-09	1.20E-11	1.58E-09
4106	469246.55	3818854.8	4.61E-09	1.79E-08	2.37E-10	2.27E-08	3.84E-09	1.31E-08	1.70E-10	1.71E-08	4.35E-10	2.30E-09	4.04E-11	2.78E-09	3.95E-10	1.20E-09	1.22E-11	1.61E-09
4107	469250.39	3818846	4.69E-09	1.82E-08	2.41E-10	2.31E-08	3.91E-09	1.34E-08	1.73E-10	1.75E-08	4.43E-10	2.34E-09	4.11E-11	2.83E-09	4.03E-10	1.23E-09	1.24E-11	1.64E-09
4108	469254.23	3818837.2	4.78E-09	1.85E-08	2.46E-10	2.36E-08	3.98E-09	1.36E-08	1.76E-10	1.78E-08	4.52E-10	2.39E-09	4.19E-11	2.88E-09	4.10E-10	1.25E-09	1.27E-11	1.67E-09
4109	469277.27	3818784.38	5.28E-09	2.05E-08	2.71E-10	2.60E-08	4.40E-09	1.51E-08	1.95E-10	1.97E-08	4.99E-10	2.64E-09	4.63E-11	3.18E-09	4.54E-10	1.38E-09	1.40E-11	1.85E-09
4110	469281.11	3818775.58	5.36E-09	2.08E-08	2.75E-10	2.64E-08	4.46E-09	1.53E-08	1.98E-10	1.99E-08	5.06E-10	2.68E-09	4.70E-11	3.23E-09	4.60E-10	1.40E-09	1.42E-11	1.88E-09
4111	469284.95	3818766.77	5.44E-09	2.11E-08	2.79E-10	2.68E-08	4.53E-09	1.55E-08	2.00E-10	2.02E-08	5.13E-10	2.71E-09	4.76E-11	3.27E-09	4.67E-10	1.42E-09	1.44E-11	1.90E-09
4112	469288.78	3818757.97	5.51E-09	2.14E-08	2.83E-10	2.72E-08	4.59E-09	1.57E-08	2.03E-10	2.05E-08	5.20E-10	2.75E-09	4.83E-11	3.32E-09	4.73E-10	1.44E-09	1.46E-11	1.93E-09
4113	469292.62	3818749.17	5.58E-09	2.16E-08	2.87E-10	2.75E-08	4.65E-09	1.59E-08	2.06E-10	2.07E-08	5.27E-10	2.78E-09	4.89E-11	3.36E-09	4.79E-10	1.46E-09	1.48E-11	1.95E-09
4114	469296.46	3818740.36	5.64E-09	2.19E-08	2.90E-10	2.78E-08	4.70E-09	1.61E-08	2.08E-10	2.10E-08	5.33E-10	2.82E-09	4.95E-11	3.40E-09	4.84E-10	1.48E-09	1.50E-11	1.97E-09
4115	469300.3	3818731.56	5.70E-09	2.21E-08	2.93E-10	2.81E-08	4.75E-09	1.63E-08	2.10E-10	2.12E-08	5.39E-10	2.85E-09	5.00E-11	3.44E-09	4.90E-10	1.49E-09	1.51E-11	2.00E-09
4116	469304.14	3818722.76	5.76E-09	2.24E-08	2.96E-10	2.84E-08	4.80E-09	1.64E-08	2.13E-10	2.14E-08	5.44E-10	2.88E-09	5.05E-11	3.47E-09	4.95E-10	1.51E-09	1.53E-11	2.02E-09
4117	469307.98	3818713.96	5.81E-09	2.25E-08	2.99E-10	2.87E-08	4.84E-09	1.66E-08	2.14E-10	2.16E-08	5.49E-10	2.90E-09	5.09E-11	3.50E-09	4.99E-10	1.52E-09	1.54E-11	2.03E-09
4118	469311.82	3818705.15	5.87E-09	2.28E-08	3.02E-10	2.89E-08	4.89E-09	1.67E-08	2.16E-10	2.18E-08	5.54E-10	2.93E-09	5.14E-11	3.54E-09	5.04E-10	1.53E-09	1.56E-11	2.05E-09
4119	469315.66	3818696.35	5.92E-09	2.29E-08	3.04E-10	2.92E-08	4.93E-09	1.69E-08	2.18E-10	2.20E-08	5.59E-10	2.95E-09	5.18E-11	3.56E-09	5.08E-10	1.55E-09	1.57E-11	2.07E-09
4120	469319.5	3818687.55	5.96E-09	2.31E-08	3.06E-10	2.94E-08	4.96E-09	1.70E-08	2.20E-10	2.22E-08	5.63E-10	2.98E-09	5.22E-11	3.59E-09	5.12E-10	1.56E-09	1.58E-11	2.09E-09
4121	469323.34	3818678.74	6.00E-09	2.33E-08	3.08E-10	2.96E-08	5.00E-09	1.71E-08	2.21E-10	2.23E-08	5.67E-10	3.00E-09	5.26E-11	3.62E-09	5.15E-10	1.57E-09	1.59E-11	2.10E-09
4122	469327.17	3818669.94	6.04E-09	2.34E-08	3.11E-10	2.98E-08	5.03E-09	1.72E-08	2.23E-10	2.25E-08	5.71E-10	3.02E-09	5.30E-11	3.64E-09	5.19E-10	1.58E-09	1.60E-11	2.11E-09
4123	469331.01	3818661.14	6.08E-09	2.36E-08	3.12E-10	3.00E-08	5.06E-09	1.73E-08	2.24E-10	2.26E-08	5.74E-10	3.04E-09	5.33E-11	3.66E-09	5.22E-10	1.59E-09	1.61E-11	2.13E-09
4124	469334.85	3818652.34	6.12E-09	2.37E-08	3.14E-10	3.02E-08	5.09E-09	1.74E-08	2.26E-10	2.27E-08	5.78E-10	3.05E-09	5.36E-11	3.68E-09	5.25E-10	1.60E-09	1.62E-11	2.14E

4125	469338.69	3818643.53	6.15E-09	2.39E-08	3.16E-10	3.03E-08	5.12E-09	1.75E-08	2.27E-10	2.29E-08	5.81E-10	3.07E-09	5.39E-11	3.71E-09	5.28E-10	1.61E-09	1.63E-11	2.15E-09
4126	469342.53	3818634.73	6.18E-09	2.40E-08	3.18E-10	3.05E-08	5.15E-09	1.76E-08	2.28E-10	2.30E-08	5.84E-10	3.09E-09	5.42E-11	3.73E-09	5.31E-10	1.62E-09	1.64E-11	2.16E-09
4127	469346.37	3818625.93	6.22E-09	2.41E-08	3.19E-10	3.07E-08	5.18E-09	1.77E-08	2.29E-10	2.31E-08	5.87E-10	3.10E-09	5.45E-11	3.75E-09	5.34E-10	1.63E-09	1.65E-11	2.18E-09
4128	469350.21	3818617.12	6.25E-09	2.42E-08	3.21E-10	3.08E-08	5.20E-09	1.78E-08	2.30E-10	2.32E-08	5.90E-10	3.12E-09	5.47E-11	3.76E-09	5.36E-10	1.63E-09	1.66E-11	2.19E-09
4129	469354.05	3818608.32	6.28E-09	2.43E-08	3.22E-10	3.09E-08	5.23E-09	1.79E-08	2.31E-10	2.33E-08	5.93E-10	3.13E-09	5.50E-11	3.78E-09	5.39E-10	1.64E-09	1.66E-11	2.20E-09
4130	469357.89	3818599.52	6.31E-09	2.45E-08	3.24E-10	3.11E-08	5.25E-09	1.80E-08	2.33E-10	2.35E-08	5.96E-10	3.15E-09	5.53E-11	3.80E-09	5.42E-10	1.65E-09	1.67E-11	2.21E-09
4131	469361.73	3818590.72	6.34E-09	2.46E-08	3.26E-10	3.12E-08	5.28E-09	1.81E-08	2.34E-10	2.36E-08	5.98E-10	3.16E-09	5.55E-11	3.82E-09	5.44E-10	1.66E-09	1.68E-11	2.22E-09
4132	469365.56	3818581.91	6.36E-09	2.47E-08	3.27E-10	3.14E-08	5.30E-09	1.81E-08	2.35E-10	2.37E-08	6.01E-10	3.17E-09	5.57E-11	3.83E-09	5.46E-10	1.66E-09	1.69E-11	2.23E-09
4133	469369.4	3818573.11	6.38E-09	2.47E-08	3.28E-10	3.15E-08	5.32E-09	1.82E-08	2.35E-10	2.37E-08	6.03E-10	3.19E-09	5.59E-11	3.84E-09	5.48E-10	1.67E-09	1.69E-11	2.23E-09
4134	469373.24	3818564.31	6.41E-09	2.48E-08	3.29E-10	3.16E-08	5.34E-09	1.83E-08	2.36E-10	2.38E-08	6.05E-10	3.20E-09	5.61E-11	3.86E-09	5.50E-10	1.67E-09	1.70E-11	2.24E-09
4135	469377.08	3818555.5	6.44E-09	2.50E-08	3.31E-10	3.17E-08	5.36E-09	1.84E-08	2.37E-10	2.40E-08	6.08E-10	3.22E-09	5.64E-11	3.88E-09	5.53E-10	1.68E-09	1.71E-11	2.25E-09
4136	469380.92	3818546.7	6.47E-09	2.51E-08	3.33E-10	3.19E-08	5.39E-09	1.84E-08	2.39E-10	2.41E-08	6.11E-10	3.23E-09	5.67E-11	3.90E-09	5.56E-10	1.69E-09	1.72E-11	2.26E-09
4137	469384.76	3818537.9	6.50E-09	2.52E-08	3.34E-10	3.21E-08	5.42E-09	1.85E-08	2.40E-10	2.42E-08	6.14E-10	3.25E-09	5.70E-11	3.92E-09	5.58E-10	1.70E-09	1.72E-11	2.28E-09
4138	469388.6	3818529.09	6.53E-09	2.53E-08	3.36E-10	3.22E-08	5.44E-09	1.86E-08	2.41E-10	2.43E-08	6.17E-10	3.26E-09	5.73E-11	3.94E-09	5.61E-10	1.71E-09	1.73E-11	2.29E-09
4139	469392.44	3818520.29	6.56E-09	2.54E-08	3.37E-10	3.23E-08	5.46E-09	1.87E-08	2.42E-10	2.44E-08	6.19E-10	3.27E-09	5.75E-11	3.95E-09	5.63E-10	1.71E-09	1.74E-11	2.30E-09
4140	469396.28	3818511.49	6.58E-09	2.55E-08	3.38E-10	3.25E-08	5.48E-09	1.88E-08	2.43E-10	2.45E-08	6.22E-10	3.29E-09	5.77E-11	3.97E-09	5.65E-10	1.72E-09	1.75E-11	2.30E-09
4141	469409.05	3818499.15	6.75E-09	2.62E-08	3.47E-10	3.33E-08	5.62E-09	1.92E-08	2.49E-10	2.51E-08	6.37E-10	3.37E-09	5.91E-11	4.07E-09	5.79E-10	1.76E-09	1.79E-11	2.36E-09
4142	469417.97	3818495.61	6.88E-09	2.67E-08	3.53E-10	3.39E-08	5.73E-09	1.96E-08	2.54E-10	2.56E-08	6.49E-10	3.43E-09	6.03E-11	4.14E-09	5.90E-10	1.80E-09	1.82E-11	2.41E-09
4143	469426.9	3818492.08	7.00E-09	2.71E-08	3.59E-10	3.45E-08	5.83E-09	1.99E-08	2.58E-10	2.60E-08	6.61E-10	3.49E-09	6.13E-11	4.21E-09	6.01E-10	1.83E-09	1.85E-11	2.45E-09
4144	469435.83	3818488.54	7.12E-09	2.76E-08	3.66E-10	3.51E-08	5.93E-09	2.03E-08	2.62E-10	2.65E-08	6.72E-10	3.55E-09	6.24E-11	4.29E-09	6.11E-10	1.86E-09	1.89E-11	2.49E-09
4145	469444.76	3818485	7.24E-09	2.81E-08	3.72E-10	3.57E-08	6.03E-09	2.06E-08	2.67E-10	2.69E-08	6.83E-10	3.61E-09	6.34E-11	4.36E-09	6.21E-10	1.89E-09	1.92E-11	2.53E-09
4146	469453.69	3818481.47	7.36E-09	2.85E-08	3.78E-10	3.63E-08	6.13E-09	2.10E-08	2.71E-10	2.74E-08	6.95E-10	3.67E-09	6.45E-11	4.43E-09	6.32E-10	1.92E-09	1.95E-11	2.58E-09
4147	469462.62	3818477.93	7.48E-09	2.90E-08	3.84E-10	3.69E-08	6.23E-09	2.13E-08	2.76E-10	2.78E-08	7.07E-10	3.74E-09	6.56E-11	4.51E-09	6.42E-10	1.96E-09	1.98E-11	2.62E-09
4148	469471.55	3818474.4	7.60E-09	2.95E-08	3.91E-10	3.75E-08	6.33E-09	2.17E-08	2.80E-10	2.83E-08	7.18E-10	3.80E-09	6.66E-11	4.58E-09	6.53E-10	1.99E-09	2.02E-11	2.66E-09
4149	469480.48	3818470.86	7.72E-09	3.00E-08	3.97E-10	3.81E-08	6.43E-09	2.20E-08	2.85E-10	2.87E-08	7.29E-10	3.86E-09	6.77E-11	4.65E-09	6.63E-10	2.02E-09	2.05E-11	2.70E-09
4150	469507.26	3818460.25	8.04E-09	3.12E-08	4.13E-10	3.97E-08	6.70E-09	2.29E-08	2.97E-10	2.99E-08	7.60E-10	4.02E-09	7.05E-11	4.85E-09	6.90E-10	2.10E-09	2.13E-11	2.81E-09
4151	469516.19	3818456.71	8.14E-09	3.16E-08	4.18E-10	4.01E-08	6.78E-09	2.32E-08	3.00E-10	3.03E-08	7.69E-10	4.06E-09	7.13E-11	4.90E-09	6.99E-10	2.13E-09	2.16E-11	2.85E-09
4152	469525.12	3818453.18	8.24E-09	3.19E-08	4.23E-10	4.06E-08	6.86E-09	2.35E-08	3.04E-10	3.06E-08	7.78E-10	4.11E-09	7.22E-11	4.96E-09	7.07E-10	2.15E-09	2.18E-11	2.88E-09
4153	469534.05	3818449.64	8.32E-09	3.23E-08	4.28E-10	4.10E-08	6.93E-09	2.37E-08	3.07E-10	3.10E-08	7.86E-10	4.16E-09	7.29E-11	5.01E-09	7.14E-10	2.18E-09	2.21E-11	2.91E-09
4154	469542.98	3818446.1	8.41E-09	3.26E-08	4.32E-10	4.15E-08	7.01E-09	2.40E-08	3.10E-10	3.13E-08	7.94E-10	4.20E-09	7.37E-11	5.07E-09	7.22E-10	2.20E-09	2.23E-11	2.94E-09
4155	469551.91	3818442.57	8.49E-09	3.29E-08	4.36E-10	4.19E-08	7.07E-09	2.42E-08	3.13E-10	3.16E-08	8.02E-10	4.24E-09	7.44E-11	5.11E-09	7.29E-10	2.22E-09	2.25E-11	2.97E-09
4156	469560.83	3818439.03	8.57E-09	3.32E-08	4.40E-10	4.22E-08	7.14E-09	2.44E-08	3.16E-10	3.19E-08	8.09E-10	4.28E-09	7.51E-11	5.16E-09	7.36E-10	2.24E-09	2.27E-11	3.00E-09
4157	469569.76	3818435.5	8.65E-09	3.35E-08	4.44E-10	4.26E-08	7.20E-09	2.46E-08	3.19E-10	3.22E-08	8.17E-10	4.32E-09	7.58E-11	5.21E-09	7.42E-10	2.26E-09	2.29E-11	3.03E-09
4158	469659.05	3818400.13	9.42E-09	3.65E-08	4.84E-10	4.64E-08	7.85E-09	2.68E-08	3.47E-10	3.50E-08	8.90E-10	4.70E-09	8.26E-11	5.68E-09	8.09E-10	2.46E-09	2.50E-11	3.30E-09
4159	469667.98	3818396.6	9.50E-09	3.68E-08	4.88E-10	4.68E-08	7.91E-09	2.71E-08	3.50E-10	3.53E-08	8.97E-10	4.74E-09	8.33E-11	5.72E-09	8.16E-10	2.48E-09	2.52E-11	3.32E-09
4160	469676.91	3818393.06	9.58E-09	3.71E-08	4.92E-10	4.72E-08	7.98E-09	2.73E-08	3.53E-10	3.56E-08	9.04E-10	4.78E-09	8.39E-11	5.77E-09	8.22E-10	2.50E-09	2.54E-11	3.35E-09
4161	469712.62	3818378.91	9.89E-09	3.84E-08	5.08E-10	4.88E-08	8.24E-09	2.82E-08	3.65E-10	3.68E-08	9.34E-10	4.94E-09	8.67E-11	5.96E-09	8.49E-10	2.59E-09	2.62E-11	3.46E-09
4162	469721.55	3818375.38	9.97E-09	3.87E-08	5.12E-10	4.92E-08	8.30E-09	2.84E-08	3.68E-10	3.71E-08	9.41E-10	4.98E-09	8.74E-11	6.01E-09	8.56E-10	2.61E-09	2.64E-11	3.49E-09
4163	469730.48	3818371.84	1.01E-08	3.90E-08	5.17E-10	4.96E-08	8.37E-09	2.87E-08	3.71E-10	3.74E-08	9.49E-10	5.02E-09	8.81E-11	6.06E-09	8.63E-10	2.63E-09	2.67E-11	3.52E-09
4164	469739.41	3818368.3	1.01E-08	3.93E-08	5.20E-10	4.99E-08	8.44E-09	2.89E-08	3.74E-10	3.77E-08	9.57E-10	5.06E-09	8.88E-11	6.10E-09	8.70E-10	2.65E-09	2.69E-11	3.54E-09
4165	469748.34	3818364.77	1.02E-08	3.96E-08	5.24E-10	5.03E-08	8.50E-09	2.91E-08	3.76E-10	3.80E-08	9.63E-10	5.09E-09	8.94E-11	6.15E-09	8.76E-10	2.67E-09	2.70E-11	3.57E-09
4166	469757.27	3818361.23	1.03E-08	3.99E-08	5.28E-10	5.07E-08	8.56E-09	2.93E-08	3.79E-10	3.82E-08	9.70E-10	5.13E-09	9.00E-11	6.19E-09	8.82E-10	2.69E-09	2.72E-11	3.60E-09
4167	469766.2	3818357.7	1.03E-08	4.01E-08	5.32E-10	5.10E-08	8.62E-09	2.95E-08	3.82E-10	3.85E-08	9.77E-10	5.17E-09	9.07E-11	6.23E-09	8.88E-10	2.71E-09	2.74E-11	3.62E-09
4168	469775.13	3818354.16	1.04E-08	4.04E-08	5.35E-10	5.14E-08	8.68E-09	2.97E-08	3.84E-10	3.88E-08	9.84E-10	5.20E-09	9.13E-11	6.28E-09	8.95E-10	2.72E-09	2.76E-11	3.65E-09
4169	469784.05	3818350.62	1.05E-08	4.07E-08	5.39E-10	5.17E-08	8.73E-09	2.99E-08	3.87E-10	3.90E-08	9.90E-10	5.23E-09	9.19E-11	6.32E-09	9.00E-10	2.74E-09	2.78E-11	3.67E-09
4170	469792.98	3818347.09	1.05E-08	4.09E-08	5.41E-10	5.19E-08	8.78E-09	3.00E-08	3.89E-10	3.92E-08	9.95E-10	5.26E-09	9.23E-11	6.35E-09	9.05E-10	2.75E-09	2.79E-11	3.69E-09
4171	469801.91	3818343.55	1.06E-08	4.11E-08	5.44E-10	5.22E-08	8.82E-09	3.02E-08	3.91E-10	3.94E-08	1.00E-09	5.29E-09	9.28E-11	6.38E-09	9.09E-10	2.77E-09	2.81E-11	3.71E-09
4172	469810.84	3818340.01	1.06E-08	4.13E-08	5.47E-10	5.25E-08	8.87E-09	3.03E-08	3.93E-10	3.96E-08	1.01E-09	5.32E-09	9.33E-11	6.41E-09	9.14E-10	2.78E-09	2.82E-11	3.73E-09
4173	469819.77	3818336.48	1.07E-08	4.15E-08	5.49E-10	5.27E-08	8.91E-09	3.05E-08	3.94E-10	3.98E-08	1.01E-09	5.34E-09	9.37E-11	6.44E-09	9.18E-10	2.80E-09	2.83E-11	3.74E-09
4174	469828.7	3818332.94	1.07E-08	4.16E-08	5.52E-10	5.29E-08	8.94E-09	3.06E-08	3.96E-10	3.99E-08	1.01E-09	5.36E-09	9.41E-11	6.47E-09	9.21E-10	2.81E-09	2.85E-11	3.76E-09
4175	469837.63	3818329.4	1.08E-08	4.18E-08	5.54E-10	5.31E-08	8.97E-09	3.07E-08	3.97E-10	4.01E-08	1.02E-09	5.38E-09	9.44E-11	6.49E-09	9.25E-10	2.82E-09	2.86E-11	3.77E-09
4176	469846.56	3818325.87	1.08E-08	4.19E-08	5.55E-10	5.33E-08	9.00E-09	3.08E-08	3.99E-10	4.02E-08	1.02E-09	5.40E-09	9.47E-11	6.51E-09	9.28E-10	2.83E-09	2.87E-11	3.78E-09
4177	469855.48	3818322.33	1.08E-08	4.20E-08	5.57E-10	5.34E-08	9.03E-09	3.09E-08	4.00E-10	4.03E-08	1.02E-09	5.41E-09	9.50E-11	6.53E-09	9.30E-10	2.83E-09	2.87E-11	3.79E-09
4178	469864.41	3818318.8	1.09E-08	4.22E-08	5.58E-10	5.36E-08	9.05E-09	3.10E-08	4.01E-10	4.04E-08	1.03E-09	5.43E-09	9.52E-11	6.55E-09	9.33E-10	2.84E-09	2.88E-11	3.80E-09
4179	469873.34	3818315.26	1.09E-08	4.23E-08	5.60E-10	5.37E-08	9.07E-09	3.10E-08	4.02E-10	4.05E-08	1.03E-09	5.44E-09	9.55E-11	6.56E-09	9.35E-10	2.85E-09	2.89E-11	3.81E-09
4180	469882.27	3818311.72	1.09E-08	4.23E-08	5.61E-10	5.38E-08	9.09E-09	3.11E-08	4.03E-10	4.06E-08	1.03E-09	5.45E-09	9.57E-11	6.58E-09	9.37E-10	2.85E-09	2.89E-11	3.82E-09
4181	469891.2	3818308.19	1.09E-08	4.24E-08	5.62E-10	5.40E-08	9.12E-09	3.12E-08	4.04E-10	4.07E-08	1.03E-09	5.46E-09	9.59E-11	6.59E-09	9.40E-10	2.86E-09	2.90E-11	3.83E-09
4182	469900.13	3818304.65	1.10E-08	4.25E-08	5.64E-10	5.41E-08	9.14E-09	3.13E-08	4.05E-10	4.08E-08	1.04E-09	5.48E-09	9.61E-11	6.61E-09	9.42E-10	2.87E-09	2.91E-11	3.84E-09
4183	469909.06	3818301.11	1.10E-08	4.27E-08	5.66E-10	5.43E-08	9.17E-09	3.14E-08	4.06E-10	4.09E-08	1.04E-09	5.50E-09	9.64E-11	6.63E-09	9.45E-10	2.88E-09	2.92E-11	3.85E-09
4184	469917.99	3818297.58	1.11E-08	4.29E-08	5.68E-10	5.45E-08	9.21E-09	3.15E-08	4.08E-10	4.11E-08	1.04E-09	5.52E-09	9.69E-11	6.66E-09	9.49E-10	2.89E-09	2.93E-11	3.87E-09
4185	469926.92	3818294.04	1.11E-08	4.31E-08	5.71E-10	5.48E-08	9.25E-09	3.17E-08	4.10E-10	4.13E-08	1.05E-09	5.55E-09	9.73E-11	6.69E-09	9.54E-10	2.90E-09	2.94E-11	3.89E-09
4186	469935.84	3818290.51	1.12E-08	4.33E-08	5.73E-10	5.50E-08	9.29E-09	3.18E-08	4.12E-10	4.15E-08	1.05E-09	5.57E-09	9.78E-11	6.72E-09	9.58E-10	2.92E-09	2.96E-11	3.90E-09
4187	469944.77	3818286.97	1.12E-08	4.35E-08	5.76E-10	5.53E-08	9.34E-09	3.19E-08	4.13E-10	4.17E-08	1.06E-09	5.60E-09	9.82E-11	6.75E-09	9.62E-10	2.93E-09	2.97E-11	3.92E-09
4188	469953.7	3818283.43	1.13E-08	4.37E-08	5.79E-10	5.55E-08	9.38E-09	3.21E-08	4.15E-10	4.19E-08	1.06E-09	5.62E-09	9.87E-11	6.78E-09	9.67E-10	2.94E-09	2.99E-11	3.94E-09
4189	469962.63	3818279.9	1.13E-08	4.39E-08	5.82E-10	5.58E-08	9.43E-09	3.23E-08	4.17E-10	4.21E-08	1.07E-09	5.65E-09	9.92E-11	6.82E-09	9.72E-10	2.96E-09	3.00E-11	3.96E-09
4190	469971.56	3818276.36	1.14E-08	4.42E-08	5.85E-10	5.61E-08	9.48E-09	3.24E-08	4.20E-10	4.23E-08	1.08E-09	5.68E-09	9.98E-11	6.86E-09	9.77E-10	2.98E-09	3.02E-11	3.98E-09
4191	469980.49	3818272.82	1.15E-08	4.44E-08	5.88E-10	5.64E-08	9.54E-09	3.26E-08	4.22E-10	4.26E-08	1.08E-09	5.72E-09	1.00E-10	6.90E-09	9.83E-10	2.99E-09	3.04E-11	4.01E-09
4192	469989.42	3818269.29	1.15E-08	4.47E-08	5.92E-10	5.68E-08	9.59E-09	3.28E-08	4.25E-10	4.28E-08	1.09E-09	5.75E-09	1.01E-10	6.94E-09	9.89E-10	3.01E-09	3.05E-11	4.03E-09
4193	469998.35	3818265.75	1.16E-08	4.50E-08	5.97E-10	5.73E-08	9.67E-09	3.31E-08	4.28E-10	4.32E-08	1.10E-09	5.80E-09	1.02E-10	7.00E-09	9.97E-10	3.04E-09	3.08E-11	4.06E-09
4194	470007.27	3818262.21	1.17E-08	4.54E-08	6.01E-10	5.77E-08	9.75E-09	3.34E-08	4.32E-10	4.35E-08	1.11E-09	5.84E-09	1.03E-10	7.05E-09	1.00E-09	3.06E-09	3.10E-11	4.10E-09
4195	470034.06	3818251.61	1.19E-08	4.63E-08	6.14E-10	5.89E-08	9.95E-09	3.41E-08	4.41E-10	4.44E-08	1.13E-09	5.97E-09	1.05E-10	7.20E-09	1.03E-09	3.12E-09	3.17E-11	4.18E-09
4196	470042.99	3818248.07	1.20E-08	4.66E-08	6.17E-10	5.92E-08	1.00E-08	3.42E-08	4.43E-10	4.47E-08	1.13E-09	6.00E-09	1.05E-10	7.24E-09	1.03E-09	3.14E-09	3.19E-11	4.20E-09
4197	470051.92	3818244.53	1.21E-08	4.68E-08	6.21E-10	5.95E-08	1.01E-08	3.44E-08	4.45E-10	4.49E-08	1.14E-09	6.03E-09	1.06E-10	7.28E-09	1.04E-09	3.16E-09	3.20E-11	4.23E-09
4198	470060.85	3818241	1.21E-08	4.70E-08	6.23E-10	5.98E-08	1.01E-08	3.46E-08	4.47E-10	4.51E-08	1.15E-09	6.06E-09	1.06E-10	7.31E-09	1.04E-09	3.17E-09	3.22E-11	4.24E-09
4199	470069.78	3818237.46	1.22E-08	4.72E-08	6.25E-10	6.00E-08	1.01E-08	3.47E-08	4.49E-10	4.52E-08	1.15E-09	6.07E-09	1.07E-10	7.33E-09	1.04E-09	3.18E-09	3.22E-11	4.26E-09
4200	470078.7	3818233.92	1.22E-08	4.72E-08	6.26E-10	6.00E-08	1.01E-08	3.47E-08	4.49E-10	4.53E-08	1.15E-09	6.08E-09	1.07E-10	7.34E-09	1.05E-09	3.18E-09	3.23E-11	4.26E-09
4201	470087.63	3818230.39	1.22E-08	4.72E-08	6.26E-10	6.00E-08	1.01E-08	3.47E-08	4.49E-10	4.53E-08	1.15E-09	6.08E-09	1.07E-10	7.34E-09	1.05E-09	3.18E-09	3.23E-11	4.26E-09
4202	470096.56	3818226.85	1.22E-08	4.72E-08	6.25E-10	6.00E-08	1.01E-08	3.47E-08	4.49E-10	4.52E-08	1.15E-09	6.07E-09	1.07E-10	7.33E-09	1.04E-09	3.18E-09	3.22E-11	4.26E-09
4203	470105.49	3818223.31	1.21E-08	4.70E-08	6.23E-10	5.98E-08	1.01E-08	3.46E-08	4.47E-10	4.51E-08	1.15E-09	6.06E-09	1.06E-10	7.31E-09	1.04E-09	3.17E-09	3.22E-11	4.24E-09
4204	470114.42	3818219.78	1.21E-08	4.69E-08	6.21E-10	5.96E-08	1.01E-08	3.44E-08	4.46E-10	4.49E-08	1.14E-09	6.03E-09	1.06E-10	7.28E-09	1.04E-09	3.16E-09	3.20E-11	4.23E-09
4205	469078.55	3819055.02	2.75E-09	1.07E-08	1.41E-10	1.36E-08	2.29E-09	7.83E-09	1.01E-10	1.02E-08	2.60E-10	1.37E-09	2.41E-11	1.66E-09	2.36E-10	7.19E-10	7.29E-12	9.62E-10
4206	469082.41	3819046.19	2.76E-09	1.07E-08	1.42E-10	1.36E-08	2.30E-09	7.86E-09	1.02E-10	1.03E-08	2.61E-10	1.38E-09	2.42E-11	1.66E-09	2.37E-10	7.21E-10	7.32E-12	9.66E-10
4207	469086.26	3819037.35	2.78E-09	1.08E-08	1.43E-10	1.37E-08	2.32E-09	7.93E-09	1.03E-10	1.03E-08	2.63E-10	1.39E-09	2.44E-11	1.68E-09	2.39E-10	7.27E-10	7.37E-12	9.73E-10
4208	469090.12	3819028.51	2.80E-09	1.09E-08	1.44E-10	1.38E-08	2.33E-09	7.98E-09	1.03E-10	1.04E-08	2.64E-10	1.40E-09	2.45E-11	1.69E-09	2.40E-10	7.32E-10	7.42E-12	9.80E-10
4209	469093.97	3819019.67	2.83E-09	1.10E-08	1.45E-10	1.39E-08	2.36E-09	8.06E-09	1.04E-10	1.05E-08	2.67E-10	1.41E-09	2.48E-11	1.70E-09	2.43E-10	7.39E-10	7.50E-12	9.90E-10
4210	469097.83	3819010.83	2.85E-09	1.11E-08	1.47E-10	1.41E-08	2.38E-09	8.13E-09	1.05E-10	1.06E-08	2.70E-10	1.43E-09	2.50E-11	1.72E-09	2.45E-10	7.46E-10	7.57E-12	9.99E-10
4211	469101.68	3819001.99	2.88E-09	1.12E-08	1.48E-10	1.42E-08	2.40E-09	8.22E-09	1.06E-10	1.07E-08	2.72E-10	1.44E-09	2.53E-11	1.74E-09	2.48E-10	7.54E-10	7.64E-12	1.01E-09
4212	469105.54	3818993.15	2.91E-09	1.13E-08	1.50E-10	1.44E-08	2.43E-09	8.30E-09	1.07E-10	1.08E-08	2.75E-10	1.45E-09	2.55E-11	1.75E-09	2.50E-10	7.61E-10	7.72E-12	1.02E-09
4213	469109.39	3818984.32	2.94E-09	1.14E-08	1.51E-10	1.45E-08	2.45E-09	8.38E-09	1.08E-10	1.09E-08	2.78E-10	1.47E-09	2.58E-11	1.77E-09	2.53E-10	7.69E-10	7.80E-12	1.03E-09
4214	469113.24	3818975.48	2.98E-09	1.16E-08	1.53E-10	1.47E-08	2.48E-09	8.49E-09	1.10E-10	1.11E-08	2.81E-10	1.49E-09	2.61E-11	1.79E-09	2.56E-10	7.79E-10	7.89E-12	1.04E-09
4215	469117.1	3818966.64	3.02E-09	1.17E-08	1.55E-10	1.49E-08	2.51E-09	8.60E-09	1.11E-10	1.12E-08	2.85E-10	1.51E-09	2.64E-11	1.82E-09	2.59E-10	7.89E-10	8.00E-12	1.06E-09
4216	469120.95	3818957.8	3.06E-09	1.19E-08	1.57E-10	1.51E-08	2.55E-09	8.71E-09	1.13E-10	1.14E-08	2.89E-10	1.53E-09	2.68E-11	1.84E-09	2.63E-10	7.99E-10	8.11E-12	1.07E-09
4217	469124.81	3818948.96	3.10E-09	1.20E-08	1.59E-10	1.53E-08	2.58E-09	8.84E-09	1.14E-10	1.15E-08	2.93E-10	1.55E-09	2.72E-11	1.87E-09	2.66E-10	8.11E-10	8.22E-12	1.09E-09
4218	469128.66	3818940.12	3.15E-09	1.22E-08	1.62E-10	1.55E-08	2.62E-09	8.96E-09	1.16E-10	1.17E-08	2.97E-10	1.57E-09	2.76E-11	1.89E-09	2.70E-10	8.22E-10	8.34E-12	1.10E-09
4219	469132.52	3818931.28	3.20E-09	1.24E-08	1.64E-10	1.58E-08	2.66E-09	9.11E-09	1.18E-10	1.19E-08	3.02E-10	1.60E-09	2.80E-11	1.93E-09	2.74E-10	8.36E-10	8.47E-12	1.12E-09
4220	469136.37	3818922.45	3.25E-09	1.26E-08	1.67E-10	1.60E-08	2.70E-09	9.25E-09	1.20E-10	1.21E-08	3.07E-10	1.62E-09	2.85E-11	1.96E-09	2.79E-10	8.49E-10	8.61E-12	1

4221	469140.23	3818913.61	3.30E-09	1.28E-08	1.70E-10	1.63E-08	2.75E-09	9.41E-09	1.22E-10	1.23E-08	3.12E-10	1.65E-09	2.89E-11	1.99E-09	2.83E-10	8.63E-10	8.75E-12	1.16E-09
4222	469144.08	3818904.77	3.36E-09	1.30E-08	1.72E-10	1.65E-08	2.80E-09	9.56E-09	1.24E-10	1.25E-08	3.17E-10	1.68E-09	2.94E-11	2.02E-09	2.88E-10	8.77E-10	8.90E-12	1.17E-09
4223	469147.94	3818895.93	3.41E-09	1.32E-08	1.75E-10	1.68E-08	2.84E-09	9.73E-09	1.26E-10	1.27E-08	3.22E-10	1.70E-09	2.99E-11	2.06E-09	2.93E-10	8.93E-10	9.05E-12	1.19E-09
4224	469151.79	3818887.09	3.47E-09	1.35E-08	1.78E-10	1.71E-08	2.89E-09	9.89E-09	1.28E-10	1.29E-08	3.28E-10	1.73E-09	3.04E-11	2.09E-09	2.98E-10	9.07E-10	9.20E-12	1.21E-09
4225	469155.65	3818878.25	3.53E-09	1.37E-08	1.81E-10	1.74E-08	2.94E-09	1.01E-08	1.30E-10	1.31E-08	3.33E-10	1.76E-09	3.09E-11	2.12E-09	3.03E-10	9.22E-10	9.35E-12	1.23E-09
4226	469159.5	3818869.41	3.59E-09	1.39E-08	1.84E-10	1.77E-08	2.99E-09	1.02E-08	1.32E-10	1.33E-08	3.39E-10	1.79E-09	3.14E-11	2.16E-09	3.08E-10	9.38E-10	9.51E-12	1.26E-09
4227	469163.35	3818860.58	3.65E-09	1.42E-08	1.88E-10	1.80E-08	3.04E-09	1.04E-08	1.35E-10	1.36E-08	3.45E-10	1.82E-09	3.20E-11	2.20E-09	3.14E-10	9.55E-10	9.69E-12	1.28E-09
4228	469167.21	3818851.74	3.72E-09	1.44E-08	1.91E-10	1.84E-08	3.10E-09	1.06E-08	1.37E-10	1.38E-08	3.52E-10	1.86E-09	3.26E-11	2.24E-09	3.20E-10	9.73E-10	9.87E-12	1.30E-09
4229	469171.06	3818842.9	3.80E-09	1.47E-08	1.95E-10	1.87E-08	3.16E-09	1.08E-08	1.40E-10	1.41E-08	3.58E-10	1.90E-09	3.33E-11	2.29E-09	3.26E-10	9.92E-10	1.01E-11	1.33E-09
4230	469174.92	3818834.06	3.87E-09	1.50E-08	1.99E-10	1.91E-08	3.22E-09	1.10E-08	1.43E-10	1.44E-08	3.65E-10	1.93E-09	3.39E-11	2.33E-09	3.32E-10	1.01E-09	1.03E-11	1.35E-09
4231	469178.77	3818825.22	3.94E-09	1.53E-08	2.03E-10	1.94E-08	3.28E-09	1.12E-08	1.45E-10	1.47E-08	3.72E-10	1.97E-09	3.45E-11	2.37E-09	3.38E-10	1.03E-09	1.04E-11	1.38E-09
4232	469182.63	3818816.38	4.01E-09	1.56E-08	2.06E-10	1.98E-08	3.34E-09	1.14E-08	1.48E-10	1.49E-08	3.79E-10	2.00E-09	3.52E-11	2.42E-09	3.45E-10	1.05E-09	1.06E-11	1.40E-09
4233	469186.48	3818807.54	4.09E-09	1.59E-08	2.10E-10	2.02E-08	3.41E-09	1.17E-08	1.51E-10	1.52E-08	3.86E-10	2.04E-09	3.58E-11	2.46E-09	3.51E-10	1.07E-09	1.08E-11	1.43E-09
4234	469190.34	3818798.7	4.17E-09	1.62E-08	2.14E-10	2.05E-08	3.47E-09	1.19E-08	1.54E-10	1.55E-08	3.93E-10	2.08E-09	3.65E-11	2.51E-09	3.58E-10	1.09E-09	1.10E-11	1.46E-09
4235	469194.19	3818789.87	4.24E-09	1.64E-08	2.18E-10	2.09E-08	3.53E-09	1.21E-08	1.56E-10	1.58E-08	4.00E-10	2.12E-09	3.72E-11	2.55E-09	3.64E-10	1.11E-09	1.12E-11	1.48E-09
4236	469198.05	3818781.03	4.31E-09	1.67E-08	2.22E-10	2.13E-08	3.59E-09	1.23E-08	1.59E-10	1.60E-08	4.07E-10	2.15E-09	3.78E-11	2.60E-09	3.70E-10	1.13E-09	1.14E-11	1.51E-09
4237	469201.9	3818772.19	4.39E-09	1.70E-08	2.25E-10	2.16E-08	3.65E-09	1.25E-08	1.62E-10	1.63E-08	4.14E-10	2.19E-09	3.84E-11	2.64E-09	3.76E-10	1.15E-09	1.16E-11	1.53E-09
4238	469205.76	3818763.35	4.45E-09	1.73E-08	2.29E-10	2.20E-08	3.71E-09	1.27E-08	1.64E-10	1.66E-08	4.21E-10	2.22E-09	3.90E-11	2.68E-09	3.82E-10	1.16E-09	1.18E-11	1.56E-09
4239	469209.61	3818754.51	4.52E-09	1.75E-08	2.32E-10	2.23E-08	3.77E-09	1.29E-08	1.67E-10	1.68E-08	4.27E-10	2.26E-09	3.96E-11	2.73E-09	3.88E-10	1.18E-09	1.20E-11	1.58E-09
4240	469213.46	3818745.67	4.59E-09	1.78E-08	2.36E-10	2.26E-08	3.83E-09	1.31E-08	1.69E-10	1.71E-08	4.34E-10	2.29E-09	4.02E-11	2.77E-09	3.94E-10	1.20E-09	1.22E-11	1.61E-09
4241	469217.32	3818736.83	4.66E-09	1.81E-08	2.39E-10	2.30E-08	3.88E-09	1.33E-08	1.72E-10	1.73E-08	4.40E-10	2.33E-09	4.08E-11	2.81E-09	4.00E-10	1.22E-09	1.23E-11	1.63E-09
4242	469221.17	3818728	4.72E-09	1.83E-08	2.43E-10	2.33E-08	3.93E-09	1.35E-08	1.74E-10	1.76E-08	4.46E-10	2.36E-09	4.14E-11	2.85E-09	4.05E-10	1.23E-09	1.25E-11	1.65E-09
4243	469225.03	3818719.16	4.78E-09	1.85E-08	2.46E-10	2.36E-08	3.98E-09	1.36E-08	1.76E-10	1.78E-08	4.52E-10	2.39E-09	4.19E-11	2.88E-09	4.10E-10	1.25E-09	1.27E-11	1.67E-09
4244	469228.88	3818710.32	4.84E-09	1.88E-08	2.49E-10	2.39E-08	4.03E-09	1.38E-08	1.79E-10	1.80E-08	4.57E-10	2.42E-09	4.24E-11	2.92E-09	4.16E-10	1.27E-09	1.28E-11	1.69E-09
4245	469232.74	3818701.48	4.90E-09	1.90E-08	2.52E-10	2.41E-08	4.08E-09	1.40E-08	1.81E-10	1.82E-08	4.62E-10	2.45E-09	4.29E-11	2.95E-09	4.20E-10	1.28E-09	1.30E-11	1.71E-09
4246	469236.59	3818692.64	4.95E-09	1.92E-08	2.54E-10	2.44E-08	4.12E-09	1.41E-08	1.83E-10	1.84E-08	4.67E-10	2.47E-09	4.34E-11	2.98E-09	4.25E-10	1.29E-09	1.31E-11	1.73E-09
4247	469240.45	3818683.8	5.00E-09	1.94E-08	2.57E-10	2.46E-08	4.16E-09	1.42E-08	1.84E-10	1.86E-08	4.72E-10	2.50E-09	4.38E-11	3.01E-09	4.29E-10	1.31E-09	1.33E-11	1.75E-09
4248	469244.3	3818674.96	5.04E-09	1.96E-08	2.59E-10	2.49E-08	4.20E-09	1.44E-08	1.86E-10	1.88E-08	4.76E-10	2.52E-09	4.42E-11	3.04E-09	4.33E-10	1.32E-09	1.34E-11	1.76E-09
4249	469248.16	3818666.13	5.09E-09	1.97E-08	2.61E-10	2.51E-08	4.24E-09	1.45E-08	1.88E-10	1.89E-08	4.80E-10	2.54E-09	4.46E-11	3.06E-09	4.37E-10	1.33E-09	1.35E-11	1.78E-09
4250	469252.01	3818657.29	5.12E-09	1.99E-08	2.63E-10	2.53E-08	4.27E-09	1.46E-08	1.89E-10	1.91E-08	4.84E-10	2.56E-09	4.49E-11	3.09E-09	4.40E-10	1.34E-09	1.36E-11	1.79E-09
4251	469255.87	3818648.45	5.16E-09	2.00E-08	2.65E-10	2.54E-08	4.30E-09	1.47E-08	1.90E-10	1.92E-08	4.87E-10	2.58E-09	4.52E-11	3.11E-09	4.43E-10	1.35E-09	1.37E-11	1.81E-09
4252	469278.99	3818595.42	5.32E-09	2.06E-08	2.74E-10	2.62E-08	4.43E-09	1.52E-08	1.96E-10	1.98E-08	5.03E-10	2.66E-09	4.66E-11	3.21E-09	4.57E-10	1.39E-09	1.41E-11	1.86E-09
4253	469282.85	3818586.58	5.35E-09	2.07E-08	2.75E-10	2.64E-08	4.46E-09	1.52E-08	1.97E-10	1.99E-08	5.05E-10	2.67E-09	4.69E-11	3.22E-09	4.59E-10	1.40E-09	1.42E-11	1.87E-09
4254	469286.7	3818577.74	5.37E-09	2.08E-08	2.76E-10	2.65E-08	4.47E-09	1.53E-08	1.98E-10	2.00E-08	5.07E-10	2.68E-09	4.71E-11	3.24E-09	4.61E-10	1.40E-09	1.42E-11	1.88E-09
4255	469290.56	3818568.9	5.39E-09	2.09E-08	2.77E-10	2.66E-08	4.49E-09	1.54E-08	1.99E-10	2.01E-08	5.09E-10	2.69E-09	4.73E-11	3.25E-09	4.63E-10	1.41E-09	1.43E-11	1.89E-09
4256	469294.41	3818560.06	5.41E-09	2.10E-08	2.78E-10	2.67E-08	4.50E-09	1.54E-08	1.99E-10	2.01E-08	5.11E-10	2.70E-09	4.74E-11	3.26E-09	4.64E-10	1.41E-09	1.43E-11	1.89E-09
4257	469298.27	3818551.22	5.42E-09	2.10E-08	2.79E-10	2.67E-08	4.52E-09	1.55E-08	2.00E-10	2.02E-08	5.12E-10	2.71E-09	4.75E-11	3.27E-09	4.65E-10	1.42E-09	1.44E-11	1.90E-09
4258	469302.12	3818542.39	5.44E-09	2.11E-08	2.79E-10	2.68E-08	4.53E-09	1.55E-08	2.01E-10	2.02E-08	5.14E-10	2.72E-09	4.77E-11	3.28E-09	4.67E-10	1.42E-09	1.44E-11	1.90E-09
4259	469305.98	3818533.55	5.46E-09	2.12E-08	2.80E-10	2.69E-08	4.55E-09	1.56E-08	2.01E-10	2.03E-08	5.15E-10	2.72E-09	4.78E-11	3.29E-09	4.69E-10	1.43E-09	1.45E-11	1.91E-09
4260	469309.83	3818524.71	5.48E-09	2.13E-08	2.82E-10	2.70E-08	4.57E-09	1.56E-08	2.02E-10	2.04E-08	5.18E-10	2.74E-09	4.80E-11	3.30E-09	4.71E-10	1.43E-09	1.45E-11	1.92E-09
4261	469313.68	3818515.87	5.51E-09	2.14E-08	2.83E-10	2.71E-08	4.59E-09	1.57E-08	2.03E-10	2.05E-08	5.20E-10	2.75E-09	4.82E-11	3.32E-09	4.73E-10	1.44E-09	1.46E-11	1.93E-09
4262	469317.54	3818507.03	5.53E-09	2.14E-08	2.84E-10	2.72E-08	4.60E-09	1.58E-08	2.04E-10	2.06E-08	5.22E-10	2.76E-09	4.84E-11	3.33E-09	4.74E-10	1.44E-09	1.47E-11	1.93E-09
4263	469321.39	3818498.19	5.55E-09	2.15E-08	2.85E-10	2.74E-08	4.62E-09	1.58E-08	2.05E-10	2.07E-08	5.24E-10	2.77E-09	4.87E-11	3.35E-09	4.77E-10	1.45E-09	1.47E-11	1.94E-09
4264	469325.25	3818489.35	5.58E-09	2.16E-08	2.87E-10	2.75E-08	4.65E-09	1.59E-08	2.06E-10	2.08E-08	5.27E-10	2.79E-09	4.89E-11	3.36E-09	4.79E-10	1.46E-09	1.48E-11	1.95E-09
4265	469329.1	3818480.51	5.61E-09	2.18E-08	2.88E-10	2.77E-08	4.67E-09	1.60E-08	2.07E-10	2.09E-08	5.30E-10	2.80E-09	4.92E-11	3.38E-09	4.82E-10	1.47E-09	1.49E-11	1.96E-09
4266	469332.96	3818471.68	5.64E-09	2.19E-08	2.90E-10	2.78E-08	4.69E-09	1.61E-08	2.08E-10	2.10E-08	5.32E-10	2.81E-09	4.94E-11	3.40E-09	4.84E-10	1.47E-09	1.49E-11	1.97E-09
4267	469336.81	3818462.84	5.65E-09	2.19E-08	2.91E-10	2.79E-08	4.71E-09	1.61E-08	2.09E-10	2.10E-08	5.34E-10	2.82E-09	4.95E-11	3.41E-09	4.85E-10	1.48E-09	1.50E-11	1.98E-09
4268	469340.67	3818454	5.68E-09	2.20E-08	2.92E-10	2.80E-08	4.73E-09	1.62E-08	2.09E-10	2.11E-08	5.36E-10	2.83E-09	4.97E-11	3.42E-09	4.87E-10	1.48E-09	1.50E-11	1.99E-09
4269	469353.49	3818441.61	5.80E-09	2.25E-08	2.98E-10	2.86E-08	4.83E-09	1.65E-08	2.14E-10	2.16E-08	5.48E-10	2.90E-09	5.09E-11	3.50E-09	4.98E-10	1.52E-09	1.54E-11	2.03E-09
4270	469362.45	3818438.06	5.91E-09	2.29E-08	3.04E-10	2.91E-08	4.92E-09	1.68E-08	2.18E-10	2.20E-08	5.58E-10	2.95E-09	5.18E-11	3.56E-09	5.07E-10	1.54E-09	1.57E-11	2.07E-09
4271	469371.42	3818434.51	6.02E-09	2.33E-08	3.09E-10	2.97E-08	5.01E-09	1.71E-08	2.22E-10	2.24E-08	5.68E-10	3.00E-09	5.27E-11	3.63E-09	5.17E-10	1.57E-09	1.60E-11	2.11E-09
4272	469380.38	3818430.96	6.12E-09	2.37E-08	3.15E-10	3.02E-08	5.10E-09	1.75E-08	2.26E-10	2.28E-08	5.78E-10	3.06E-09	5.37E-11	3.69E-09	5.26E-10	1.60E-09	1.62E-11	2.14E-09
4273	469389.35	3818427.41	6.23E-09	2.42E-08	3.20E-10	3.07E-08	5.19E-09	1.78E-08	2.30E-10	2.32E-08	5.88E-10	3.11E-09	5.46E-11	3.75E-09	5.35E-10	1.63E-09	1.65E-11	2.18E-09
4274	469470.03	3818395.45	7.06E-09	2.74E-08	3.63E-10	3.48E-08	5.88E-09	2.01E-08	2.60E-10	2.63E-08	6.66E-10	3.52E-09	6.18E-11	4.25E-09	6.06E-10	1.84E-09	1.87E-11	2.47E-09
4275	469479	3818391.9	7.14E-09	2.77E-08	3.67E-10	3.52E-08	5.95E-09	2.03E-08	2.63E-10	2.65E-08	6.74E-10	3.56E-09	6.25E-11	4.30E-09	6.13E-10	1.87E-09	1.89E-11	2.50E-09
4276	469487.96	3818388.35	7.21E-09	2.80E-08	3.70E-10	3.55E-08	6.00E-09	2.05E-08	2.66E-10	2.68E-08	6.81E-10	3.60E-09	6.32E-11	4.34E-09	6.19E-10	1.88E-09	1.91E-11	2.52E-09
4277	469496.93	3818384.8	7.27E-09	2.82E-08	3.74E-10	3.58E-08	6.06E-09	2.07E-08	2.68E-10	2.70E-08	6.87E-10	3.63E-09	6.37E-11	4.38E-09	6.24E-10	1.90E-09	1.93E-11	2.54E-09
4278	469505.89	3818381.25	7.34E-09	2.85E-08	3.77E-10	3.62E-08	6.11E-09	2.09E-08	2.71E-10	2.73E-08	6.93E-10	3.66E-09	6.43E-11	4.42E-09	6.30E-10	1.92E-09	1.95E-11	2.57E-09
4279	469514.86	3818377.7	7.40E-09	2.87E-08	3.80E-10	3.65E-08	6.16E-09	2.11E-08	2.73E-10	2.75E-08	6.98E-10	3.69E-09	6.48E-11	4.46E-09	6.35E-10	1.93E-09	1.96E-11	2.59E-09
4280	469523.82	3818374.15	7.46E-09	2.89E-08	3.83E-10	3.68E-08	6.21E-09	2.13E-08	2.75E-10	2.77E-08	7.04E-10	3.72E-09	6.54E-11	4.49E-09	6.40E-10	1.95E-09	1.98E-11	2.61E-09
4281	469532.79	3818370.6	7.51E-09	2.91E-08	3.86E-10	3.70E-08	6.26E-09	2.14E-08	2.77E-10	2.79E-08	7.09E-10	3.75E-09	6.58E-11	4.53E-09	6.45E-10	1.96E-09	1.99E-11	2.63E-09
4282	469541.75	3818367.04	7.57E-09	2.94E-08	3.89E-10	3.73E-08	6.31E-09	2.16E-08	2.79E-10	2.82E-08	7.15E-10	3.78E-09	6.63E-11	4.56E-09	6.50E-10	1.98E-09	2.01E-11	2.65E-09
4283	469550.72	3818363.49	7.63E-09	2.96E-08	3.92E-10	3.76E-08	6.35E-09	2.17E-08	2.81E-10	2.84E-08	7.20E-10	3.81E-09	6.68E-11	4.60E-09	6.55E-10	1.99E-09	2.02E-11	2.67E-09
4284	469559.68	3818359.94	7.68E-09	2.98E-08	3.95E-10	3.79E-08	6.40E-09	2.19E-08	2.83E-10	2.86E-08	7.26E-10	3.84E-09	6.73E-11	4.63E-09	6.60E-10	2.01E-09	2.04E-11	2.69E-09
4285	469568.65	3818356.39	7.73E-09	3.00E-08	3.97E-10	3.81E-08	6.44E-09	2.20E-08	2.85E-10	2.88E-08	7.30E-10	3.86E-09	6.78E-11	4.66E-09	6.64E-10	2.02E-09	2.05E-11	2.71E-09
4286	469577.61	3818352.84	7.80E-09	3.02E-08	4.01E-10	3.84E-08	6.50E-09	2.22E-08	2.88E-10	2.90E-08	7.37E-10	3.89E-09	6.83E-11	4.70E-09	6.70E-10	2.04E-09	2.07E-11	2.73E-09
4287	469586.58	3818349.29	7.86E-09	3.05E-08	4.04E-10	3.88E-08	6.55E-09	2.24E-08	2.90E-10	2.92E-08	7.42E-10	3.92E-09	6.89E-11	4.74E-09	6.75E-10	2.06E-09	2.08E-11	2.75E-09
4288	469595.54	3818345.74	7.93E-09	3.07E-08	4.07E-10	3.91E-08	6.60E-09	2.26E-08	2.92E-10	2.95E-08	7.49E-10	3.96E-09	6.95E-11	4.78E-09	6.80E-10	2.07E-09	2.10E-11	2.77E-09
4289	469604.51	3818342.19	7.98E-09	3.10E-08	4.10E-10	3.94E-08	6.65E-09	2.28E-08	2.94E-10	2.97E-08	7.54E-10	3.99E-09	7.00E-11	4.81E-09	6.85E-10	2.09E-09	2.12E-11	2.79E-09
4290	469613.47	3818338.64	8.05E-09	3.12E-08	4.14E-10	3.97E-08	6.71E-09	2.29E-08	2.97E-10	2.99E-08	7.60E-10	4.02E-09	7.05E-11	4.85E-09	6.91E-10	2.10E-09	2.13E-11	2.82E-09
4291	469622.44	3818335.09	8.12E-09	3.15E-08	4.17E-10	4.00E-08	6.76E-09	2.31E-08	2.99E-10	3.02E-08	7.66E-10	4.05E-09	7.11E-11	4.89E-09	6.97E-10	2.12E-09	2.15E-11	2.84E-09
4292	469631.4	3818331.54	8.19E-09	3.18E-08	4.21E-10	4.04E-08	6.82E-09	2.33E-08	3.02E-10	3.05E-08	7.73E-10	4.09E-09	7.18E-11	4.93E-09	7.03E-10	2.14E-09	2.17E-11	2.87E-09
4293	469640.37	3818327.99	8.25E-09	3.20E-08	4.24E-10	4.07E-08	6.87E-09	2.35E-08	3.04E-10	3.07E-08	7.79E-10	4.12E-09	7.23E-11	4.97E-09	7.08E-10	2.16E-09	2.19E-11	2.89E-09
4294	469649.33	3818324.44	8.32E-09	3.23E-08	4.27E-10	4.10E-08	6.93E-09	2.37E-08	3.07E-10	3.09E-08	7.85E-10	4.15E-09	7.29E-11	5.01E-09	7.14E-10	2.17E-09	2.20E-11	2.91E-09
4295	469658.3	3818320.89	8.38E-09	3.25E-08	4.31E-10	4.13E-08	6.98E-09	2.39E-08	3.09E-10	3.12E-08	7.92E-10	4.19E-09	7.35E-11	5.05E-09	7.20E-10	2.19E-09	2.22E-11	2.93E-09
4296	469667.26	3818317.34	8.45E-09	3.28E-08	4.34E-10	4.17E-08	7.04E-09	2.41E-08	3.12E-10	3.14E-08	7.98E-10	4.22E-09	7.41E-11	5.09E-09	7.25E-10	2.21E-09	2.24E-11	2.96E-09
4297	469676.23	3818313.78	8.52E-09	3.30E-08	4.38E-10	4.20E-08	7.09E-09	2.43E-08	3.14E-10	3.17E-08	8.04E-10	4.25E-09	7.46E-11	5.13E-09	7.31E-10	2.23E-09	2.26E-11	2.98E-09
4298	469712.09	3818299.58	8.78E-09	3.41E-08	4.51E-10	4.33E-08	7.31E-09	2.50E-08	3.24E-10	3.27E-08	8.29E-10	4.38E-09	7.69E-11	5.29E-09	7.54E-10	2.30E-09	2.33E-11	3.07E-09
4299	469721.05	3818296.03	8.84E-09	3.43E-08	4.54E-10	4.36E-08	7.37E-09	2.52E-08	3.26E-10	3.29E-08	8.35E-10	4.41E-09	7.75E-11	5.33E-09	7.59E-10	2.31E-09	2.34E-11	3.09E-09
4300	469730.02	3818292.48	8.91E-09	3.46E-08	4.58E-10	4.39E-08	7.42E-09	2.54E-08	3.29E-10	3.31E-08	8.41E-10	4.45E-09	7.81E-11	5.37E-09	7.65E-10	2.33E-09	2.36E-11	3.12E-09
4301	469738.98	3818288.93	8.97E-09	3.48E-08	4.61E-10	4.42E-08	7.47E-09	2.56E-08	3.31E-10	3.34E-08	8.47E-10	4.48E-09	7.86E-11	5.40E-09	7.70E-10	2.34E-09	2.38E-11	3.14E-09
4302	469747.95	3818285.38	9.03E-09	3.50E-08	4.64E-10	4.45E-08	7.52E-09	2.57E-08	3.33E-10	3.36E-08	8.53E-10	4.51E-09	7.91E-11	5.44E-09	7.75E-10	2.36E-09	2.39E-11	3.16E-09
4303	469756.91	3818281.83	9.08E-09	3.52E-08	4.67E-10	4.48E-08	7.57E-09	2.59E-08	3.35E-10	3.38E-08	8.58E-10	4.53E-09	7.96E-11	5.47E-09	7.80E-10	2.37E-09	2.41E-11	3.18E-09
4304	469765.88	3818278.28	9.13E-09	3.54E-08	4.69E-10	4.50E-08	7.60E-09	2.60E-08	3.37E-10	3.40E-08	8.62E-10	4.56E-09	8.00E-11	5.50E-09	7.84E-10	2.39E-09	2.42E-11	3.19E-09
4305	469774.84	3818274.73	9.17E-09	3.56E-08	4.71E-10	4.52E-08	7.64E-09	2.61E-08	3.38E-10	3.41E-08	8.66E-10	4.58E-09	8.04E-11	5.53E-09	7.88E-10	2.40E-09	2.43E-11	3.21E-09
4306	469783.81	3818271.18	9.22E-09	3.57E-08	4.74E-10	4.54E-08	7.68E-09	2.63E-08	3.40E-10	3.43E-08	8.70E-10	4.60E-09	8.08E-11	5.55E-09	7.91E-10	2.41E-09	2.44E-11	3.23E-09
4307	469792.77	3818267.63	9.25E-09	3.59E-08	4.75E-10	4.56E-08	7.71E-09	2.64E-08	3.41E-10	3.44E-08	8.74E-10	4.62E-09	8.11E-11	5.58E-09	7.94E-10	2.42E-09	2.45E-11	3.24E-09
4308	469801.74	3818264.07	9.29E-09	3.60E-08	4.77E-10	4.58E-08	7.74E-09	2.65E-08	3.42E-10	3.45E-08	8.77E-10	4.64E-09	8.14E-11	5.59E-09	7.97E-10	2.43E-09	2.46E-11	3.25E-09
4309	469810.7	3818260.52	9.32E-09	3.61E-08	4.79E-10	4.59E-08	7.76E-09	2.66E-08	3.44E-10	3.47E-08	8.80E-10	4.65E-09	8.17E-11	5.61E-09	8.00E-10	2.44E-09	2.47E-11	3.26E-09
4310	469819.67	3818256.97	9.34E-09	3.62E-08	4.80E-10	4.61E-08	7.78E-09	2.66E-08	3.45E-10	3.48E-08	8.82E-10	4.67E-09	8.19E-11	5.63E-09	8.02E-10	2.44E-09	2.48E-11	3.27E-09
4311	469828.63	3818253.42	9.37E-09	3.63E-08	4.81E-10	4.62E-08	7.80E-09	2.67E-08	3.46E-10	3.49E-08	8.85E-10	4.68E-09	8.21E-11	5.65E-09	8.04E-10	2.45E-09	2.48E-11	3.28E-09
4312	469837.6	3818249.87	9.40E-09	3.64E-08	4.83E-10	4.63E-08	7.83E-09	2.68E-08	3.47E-10	3.49E-08	8.87E-10	4.69E-09	8.23E-11	5.66E-09	8.07E-10	2.46E-09	2.49E-11	3.29E-09
4313	469846.56	3818246.32	9.41E-09	3.65E-08	4.84E-10	4.64E-08	7.84E-09	2.68E-08	3.47E-10	3.50E-08	8.89E-10	4.70E-09	8.25E-11	5.67E-09	8.08E-10	2.46E-09	2.50E-11	3.29E-09
4314	469855.53	3818242.77	9.44E-09	3.66E-08	4.85E-10	4.65E-08	7.86E-09	2.69E-08	3.48E-10	3.51E-08	8.91E-10	4.71E-09	8.27E-11	5.68E-09	8.10E-10	2.47E-09	2.50E-11	3.30E-09
4315	469864.49	3818239.22	9.46E-09	3.67E-08	4.86E-10	4.66E-08	7.88E-09	2.70E-08	3.49E-10	3.52E-08	8.93E-10	4.72E-09	8.29E-11	5.70E-09	8.12E-10	2.47E-09	2.51E-11	3.31E-09
4316	469873.46	3818235.67	9.48E-09	3.68E-08	4.87E-10	4.67E-08	7.89E-09	2.70E-08	3.49E-10	3.52E-08	8.95E-10	4.73E-09	8.30E-11	5.71E-09	8.13E-10	2.48E-09	2.51E-11	3.32

4317	469882.42	3818232.12	9.50E-09	3.68E-08	4.88E-10	4.68E-08	7.91E-09	2.71E-08	3.50E-10	3.53E-08	8.97E-10	4.74E-09	8.33E-11	5.72E-09	8.16E-10	2.48E-09	2.52E-11	3.32E-09
4318	469891.39	3818228.57	9.53E-09	3.70E-08	4.90E-10	4.70E-08	7.94E-09	2.72E-08	3.51E-10	3.54E-08	9.00E-10	4.76E-09	8.35E-11	5.74E-09	8.18E-10	2.49E-09	2.53E-11	3.33E-09
4319	469900.35	3818225.02	9.57E-09	3.71E-08	4.92E-10	4.72E-08	7.97E-09	2.73E-08	3.53E-10	3.56E-08	9.03E-10	4.78E-09	8.38E-11	5.76E-09	8.21E-10	2.50E-09	2.54E-11	3.35E-09
4320	469909.32	3818221.47	9.61E-09	3.73E-08	4.94E-10	4.74E-08	8.00E-09	2.74E-08	3.54E-10	3.57E-08	9.07E-10	4.80E-09	8.42E-11	5.79E-09	8.25E-10	2.51E-09	2.55E-11	3.36E-09
4321	469918.28	3818217.92	9.66E-09	3.75E-08	4.96E-10	4.76E-08	8.04E-09	2.75E-08	3.56E-10	3.59E-08	9.12E-10	4.82E-09	8.46E-11	5.82E-09	8.29E-10	2.52E-09	2.56E-11	3.38E-09
4322	469927.25	3818214.36	9.70E-09	3.76E-08	4.99E-10	4.78E-08	8.08E-09	2.77E-08	3.58E-10	3.61E-08	9.16E-10	4.85E-09	8.50E-11	5.85E-09	8.33E-10	2.54E-09	2.57E-11	3.40E-09
4323	469936.21	3818210.81	9.75E-09	3.78E-08	5.01E-10	4.81E-08	8.12E-09	2.78E-08	3.60E-10	3.63E-08	9.21E-10	4.87E-09	8.54E-11	5.87E-09	8.37E-10	2.55E-09	2.58E-11	3.41E-09
4324	469945.18	3818207.26	9.80E-09	3.80E-08	5.03E-10	4.83E-08	8.16E-09	2.79E-08	3.61E-10	3.64E-08	9.25E-10	4.89E-09	8.58E-11	5.90E-09	8.41E-10	2.56E-09	2.60E-11	3.43E-09
4325	469954.14	3818203.71	9.85E-09	3.82E-08	5.06E-10	4.86E-08	8.21E-09	2.81E-08	3.63E-10	3.67E-08	9.31E-10	4.92E-09	8.63E-11	5.94E-09	8.46E-10	2.58E-09	2.61E-11	3.45E-09
4326	469963.11	3818200.16	9.92E-09	3.85E-08	5.10E-10	4.89E-08	8.27E-09	2.83E-08	3.66E-10	3.69E-08	9.37E-10	4.95E-09	8.70E-11	5.98E-09	8.52E-10	2.59E-09	2.63E-11	3.47E-09
4327	469972.07	3818196.61	1.00E-08	3.88E-08	5.14E-10	4.93E-08	8.33E-09	2.85E-08	3.69E-10	3.72E-08	9.45E-10	4.99E-09	8.77E-11	6.03E-09	8.59E-10	2.61E-09	2.65E-11	3.50E-09
4328	469981.04	3818193.06	1.01E-08	3.91E-08	5.18E-10	4.97E-08	8.40E-09	2.87E-08	3.72E-10	3.75E-08	9.52E-10	5.03E-09	8.83E-11	6.07E-09	8.65E-10	2.63E-09	2.67E-11	3.53E-09
4329	469990	3818189.51	1.02E-08	3.94E-08	5.22E-10	5.01E-08	8.46E-09	2.89E-08	3.75E-10	3.78E-08	9.59E-10	5.07E-09	8.90E-11	6.12E-09	8.72E-10	2.65E-09	2.69E-11	3.55E-09
4330	469998.97	3818185.96	1.02E-08	3.97E-08	5.26E-10	5.04E-08	8.52E-09	2.92E-08	3.77E-10	3.81E-08	9.66E-10	5.11E-09	8.97E-11	6.16E-09	8.78E-10	2.67E-09	2.71E-11	3.58E-09
4331	470007.93	3818182.41	1.03E-08	4.00E-08	5.30E-10	5.08E-08	8.59E-09	2.94E-08	3.80E-10	3.83E-08	9.73E-10	5.15E-09	9.03E-11	6.21E-09	8.85E-10	2.69E-09	2.73E-11	3.61E-09
4332	470043.79	3818168.21	1.06E-08	4.09E-08	5.42E-10	5.20E-08	8.79E-09	3.01E-08	3.89E-10	3.93E-08	9.97E-10	5.27E-09	9.25E-11	6.36E-09	9.06E-10	2.76E-09	2.80E-11	3.69E-09
4333	470052.76	3818164.66	1.06E-08	4.11E-08	5.44E-10	5.22E-08	8.83E-09	3.02E-08	3.91E-10	3.94E-08	1.00E-09	5.29E-09	9.28E-11	6.38E-09	9.10E-10	2.77E-09	2.81E-11	3.71E-09
4334	470061.72	3818161.1	1.06E-08	4.12E-08	5.46E-10	5.24E-08	8.85E-09	3.03E-08	3.92E-10	3.95E-08	1.00E-09	5.30E-09	9.31E-11	6.40E-09	9.12E-10	2.78E-09	2.82E-11	3.72E-09
4335	470070.69	3818157.55	1.06E-08	4.12E-08	5.46E-10	5.24E-08	8.86E-09	3.03E-08	3.92E-10	3.96E-08	1.00E-09	5.31E-09	9.32E-11	6.41E-09	9.13E-10	2.78E-09	2.82E-11	3.72E-09
4336	470079.65	3818154	1.06E-08	4.12E-08	5.46E-10	5.24E-08	8.86E-09	3.03E-08	3.92E-10	3.95E-08	1.00E-09	5.31E-09	9.32E-11	6.41E-09	9.13E-10	2.78E-09	2.82E-11	3.72E-09
4337	470088.62	3818150.45	1.04E-08	4.02E-08	5.33E-10	5.11E-08	8.64E-09	2.96E-08	3.83E-10	3.86E-08	9.80E-10	5.18E-09	9.09E-11	6.25E-09	8.91E-10	2.71E-09	2.75E-11	3.63E-09
4338	470097.58	3818146.9	1.03E-08	4.01E-08	5.32E-10	5.10E-08	8.62E-09	2.95E-08	3.82E-10	3.85E-08	9.77E-10	5.17E-09	9.07E-11	6.23E-09	8.88E-10	2.71E-09	2.74E-11	3.62E-09
4339	470106.55	3818143.35	1.03E-08	4.00E-08	5.30E-10	5.08E-08	8.59E-09	2.94E-08	3.80E-10	3.84E-08	9.74E-10	5.15E-09	9.04E-11	6.21E-09	8.85E-10	2.70E-09	2.73E-11	3.61E-09
4340	470115.51	3818139.8	1.03E-08	3.98E-08	5.27E-10	5.06E-08	8.55E-09	2.93E-08	3.79E-10	3.82E-08	9.69E-10	5.12E-09	8.99E-11	6.18E-09	8.81E-10	2.68E-09	2.72E-11	3.59E-09
4341	469008.78	3819233.42	2.98E-09	1.16E-08	1.53E-10	1.47E-08	2.48E-09	8.50E-09	1.10E-10	1.11E-08	2.82E-10	1.49E-09	2.61E-11	1.80E-09	2.56E-10	7.79E-10	7.90E-12	1.04E-09
4342	469008.59	3819243.06	3.04E-09	1.18E-08	1.56E-10	1.50E-08	2.53E-09	8.65E-09	1.12E-10	1.13E-08	2.87E-10	1.52E-09	2.66E-11	1.83E-09	2.61E-10	7.94E-10	8.05E-12	1.06E-09
4343	469008.4	3819252.71	3.09E-09	1.20E-08	1.59E-10	1.52E-08	2.57E-09	8.80E-09	1.14E-10	1.15E-08	2.92E-10	1.54E-09	2.71E-11	1.86E-09	2.65E-10	8.07E-10	8.18E-12	1.08E-09
4344	469008.2	3819262.36	3.14E-09	1.22E-08	1.61E-10	1.55E-08	2.61E-09	8.94E-09	1.16E-10	1.17E-08	2.96E-10	1.57E-09	2.75E-11	1.89E-09	2.69E-10	8.20E-10	8.32E-12	1.10E-09
4345	469008.01	3819272.01	3.19E-09	1.24E-08	1.64E-10	1.57E-08	2.65E-09	9.08E-09	1.17E-10	1.18E-08	3.01E-10	1.59E-09	2.79E-11	1.92E-09	2.73E-10	8.33E-10	8.44E-12	1.11E-09
4346	469007.82	3819281.66	3.24E-09	1.26E-08	1.66E-10	1.60E-08	2.70E-09	9.22E-09	1.19E-10	1.20E-08	3.06E-10	1.62E-09	2.84E-11	1.95E-09	2.78E-10	8.46E-10	8.58E-12	1.13E-09
4347	469007.62	3819291.3	3.28E-09	1.27E-08	1.69E-10	1.62E-08	2.73E-09	9.36E-09	1.21E-10	1.22E-08	3.10E-10	1.64E-09	2.88E-11	1.98E-09	2.82E-10	8.58E-10	8.70E-12	1.15E-09
4348	469007.43	3819300.95	3.33E-09	1.29E-08	1.71E-10	1.64E-08	2.77E-09	9.49E-09	1.23E-10	1.24E-08	3.15E-10	1.66E-09	2.92E-11	2.01E-09	2.86E-10	8.71E-10	8.83E-12	1.17E-09
4349	469007.24	3819310.6	3.37E-09	1.31E-08	1.73E-10	1.66E-08	2.81E-09	9.62E-09	1.24E-10	1.26E-08	3.19E-10	1.68E-09	2.96E-11	2.03E-09	2.90E-10	8.82E-10	8.95E-12	1.18E-09
4350	469007.05	3819320.25	3.42E-09	1.33E-08	1.76E-10	1.68E-08	2.85E-09	9.74E-09	1.26E-10	1.27E-08	3.23E-10	1.71E-09	3.00E-11	2.06E-09	2.93E-10	8.93E-10	9.06E-12	1.20E-09
4351	469006.85	3819329.9	3.46E-09	1.34E-08	1.78E-10	1.71E-08	2.88E-09	9.86E-09	1.28E-10	1.29E-08	3.27E-10	1.73E-09	3.03E-11	2.09E-09	2.97E-10	9.05E-10	9.18E-12	1.21E-09
4352	469006.66	3819339.55	3.50E-09	1.36E-08	1.80E-10	1.72E-08	2.91E-09	9.97E-09	1.29E-10	1.30E-08	3.30E-10	1.75E-09	3.07E-11	2.11E-09	3.00E-10	9.14E-10	9.27E-12	1.22E-09
4353	469006.47	3819349.19	3.54E-09	1.37E-08	1.82E-10	1.74E-08	2.95E-09	1.01E-08	1.30E-10	1.32E-08	3.34E-10	1.77E-09	3.10E-11	2.13E-09	3.04E-10	9.25E-10	9.38E-12	1.24E-09
4354	469006.27	3819358.84	3.57E-09	1.39E-08	1.84E-10	1.76E-08	2.98E-09	1.02E-08	1.32E-10	1.33E-08	3.38E-10	1.78E-09	3.13E-11	2.15E-09	3.07E-10	9.34E-10	9.48E-12	1.25E-09
4355	469006.08	3819368.49	3.61E-09	1.40E-08	1.86E-10	1.78E-08	3.01E-09	1.03E-08	1.33E-10	1.34E-08	3.41E-10	1.80E-09	3.16E-11	2.18E-09	3.10E-10	9.44E-10	9.57E-12	1.26E-09
4356	469005.89	3819378.14	3.64E-09	1.41E-08	1.87E-10	1.80E-08	3.03E-09	1.04E-08	1.34E-10	1.36E-08	3.44E-10	1.82E-09	3.19E-11	2.19E-09	3.13E-10	9.52E-10	9.66E-12	1.27E-09
4357	469005.69	3819387.79	3.68E-09	1.43E-08	1.89E-10	1.81E-08	3.06E-09	1.05E-08	1.36E-10	1.37E-08	3.47E-10	1.84E-09	3.22E-11	2.21E-09	3.16E-10	9.61E-10	9.75E-12	1.29E-09
4358	469005.5	3819397.43	3.71E-09	1.44E-08	1.91E-10	1.83E-08	3.09E-09	1.06E-08	1.37E-10	1.38E-08	3.51E-10	1.85E-09	3.25E-11	2.24E-09	3.19E-10	9.70E-10	9.84E-12	1.30E-09
4359	469005.31	3819407.08	3.80E-09	1.48E-08	1.95E-10	1.87E-08	3.17E-09	1.08E-08	1.40E-10	1.41E-08	3.59E-10	1.90E-09	3.33E-11	2.29E-09	3.27E-10	9.94E-10	1.01E-11	1.33E-09
4360	469005.11	3819416.73	3.85E-09	1.49E-08	1.98E-10	1.90E-08	3.21E-09	1.10E-08	1.42E-10	1.43E-08	3.64E-10	1.92E-09	3.38E-11	2.32E-09	3.31E-10	1.01E-09	1.02E-11	1.35E-09
4361	469004.92	3819426.38	3.91E-09	1.52E-08	2.01E-10	1.93E-08	3.26E-09	1.11E-08	1.44E-10	1.45E-08	3.69E-10	1.95E-09	3.43E-11	2.35E-09	3.36E-10	1.02E-09	1.04E-11	1.37E-09
4362	469078.44	3818870.28	2.93E-09	1.14E-08	1.51E-10	1.45E-08	2.44E-09	8.36E-09	1.08E-10	1.09E-08	2.77E-10	1.46E-09	2.57E-11	1.77E-09	2.52E-10	7.67E-10	7.78E-12	1.03E-09
4363	469082.27	3818861.5	2.99E-09	1.16E-08	1.53E-10	1.47E-08	2.49E-09	8.51E-09	1.10E-10	1.11E-08	2.82E-10	1.49E-09	2.62E-11	1.80E-09	2.56E-10	7.80E-10	7.91E-12	1.04E-09
4364	469086.09	3818852.73	3.04E-09	1.18E-08	1.56E-10	1.50E-08	2.53E-09	8.65E-09	1.12E-10	1.13E-08	2.87E-10	1.52E-09	2.66E-11	1.83E-09	2.61E-10	7.94E-10	8.05E-12	1.06E-09
4365	469089.92	3818843.95	3.09E-09	1.20E-08	1.59E-10	1.53E-08	2.58E-09	8.82E-09	1.14E-10	1.15E-08	2.92E-10	1.54E-09	2.71E-11	1.86E-09	2.66E-10	8.09E-10	8.20E-12	1.08E-09
4366	469093.75	3818835.18	3.15E-09	1.22E-08	1.62E-10	1.55E-08	2.62E-09	8.97E-09	1.16E-10	1.17E-08	2.97E-10	1.57E-09	2.76E-11	1.90E-09	2.70E-10	8.23E-10	8.35E-12	1.10E-09
4367	469097.58	3818826.4	3.20E-09	1.24E-08	1.64E-10	1.58E-08	2.67E-09	9.12E-09	1.18E-10	1.19E-08	3.02E-10	1.60E-09	2.80E-11	1.93E-09	2.75E-10	8.36E-10	8.48E-12	1.12E-09
4368	469101.4	3818817.63	3.25E-09	1.26E-08	1.67E-10	1.60E-08	2.71E-09	9.27E-09	1.20E-10	1.21E-08	3.07E-10	1.62E-09	2.85E-11	1.96E-09	2.79E-10	8.51E-10	8.63E-12	1.14E-09
4369	469105.23	3818808.85	3.31E-09	1.28E-08	1.70E-10	1.63E-08	2.76E-09	9.44E-09	1.22E-10	1.23E-08	3.13E-10	1.65E-09	2.90E-11	2.00E-09	2.84E-10	8.66E-10	8.78E-12	1.16E-09
4370	469109.06	3818800.08	3.37E-09	1.31E-08	1.73E-10	1.66E-08	2.81E-09	9.61E-09	1.24E-10	1.25E-08	3.18E-10	1.68E-09	2.95E-11	2.03E-09	2.89E-10	8.81E-10	8.94E-12	1.18E-09
4371	469112.88	3818791.3	3.44E-09	1.33E-08	1.77E-10	1.69E-08	2.86E-09	9.79E-09	1.27E-10	1.28E-08	3.24E-10	1.72E-09	3.01E-11	2.07E-09	2.95E-10	8.98E-10	9.11E-12	1.20E-09
4372	469116.71	3818782.53	3.50E-09	1.36E-08	1.80E-10	1.72E-08	2.91E-09	9.97E-09	1.29E-10	1.30E-08	3.30E-10	1.75E-09	3.07E-11	2.11E-09	3.00E-10	9.14E-10	9.27E-12	1.22E-09
4373	469120.54	3818773.75	3.56E-09	1.38E-08	1.83E-10	1.76E-08	2.97E-09	1.02E-08	1.31E-10	1.33E-08	3.36E-10	1.78E-09	3.12E-11	2.15E-09	3.06E-10	9.32E-10	9.45E-12	1.25E-09
4374	469124.36	3818764.97	3.63E-09	1.41E-08	1.86E-10	1.79E-08	3.02E-09	1.03E-08	1.34E-10	1.35E-08	3.42E-10	1.81E-09	3.18E-11	2.18E-09	3.11E-10	9.48E-10	9.61E-12	1.27E-09
4375	469128.19	3818756.2	3.69E-09	1.43E-08	1.90E-10	1.82E-08	3.07E-09	1.05E-08	1.36E-10	1.37E-08	3.49E-10	1.84E-09	3.23E-11	2.22E-09	3.17E-10	9.65E-10	9.78E-12	1.29E-09
4376	469132.02	3818747.42	3.76E-09	1.46E-08	1.93E-10	1.85E-08	3.13E-09	1.07E-08	1.39E-10	1.40E-08	3.55E-10	1.88E-09	3.29E-11	2.26E-09	3.22E-10	9.82E-10	9.96E-12	1.31E-09
4377	469135.85	3818738.65	3.82E-09	1.48E-08	1.96E-10	1.88E-08	3.18E-09	1.09E-08	1.41E-10	1.42E-08	3.61E-10	1.91E-09	3.35E-11	2.30E-09	3.28E-10	9.98E-10	1.01E-11	1.34E-09
4378	469139.67	3818729.87	3.88E-09	1.50E-08	1.99E-10	1.91E-08	3.23E-09	1.11E-08	1.43E-10	1.44E-08	3.66E-10	1.94E-09	3.40E-11	2.34E-09	3.33E-10	1.01E-09	1.03E-11	1.36E-09
4379	469143.5	3818721.1	3.94E-09	1.53E-08	2.02E-10	1.94E-08	3.28E-09	1.12E-08	1.45E-10	1.46E-08	3.72E-10	1.97E-09	3.45E-11	2.37E-09	3.38E-10	1.03E-09	1.04E-11	1.38E-09
4380	469147.33	3818712.32	4.00E-09	1.55E-08	2.06E-10	1.97E-08	3.33E-09	1.14E-08	1.48E-10	1.49E-08	3.78E-10	2.00E-09	3.50E-11	2.41E-09	3.43E-10	1.05E-09	1.06E-11	1.40E-09
4381	469151.15	3818703.55	4.05E-09	1.57E-08	2.08E-10	2.00E-08	3.38E-09	1.16E-08	1.50E-10	1.51E-08	3.83E-10	2.02E-09	3.55E-11	2.44E-09	3.48E-10	1.06E-09	1.07E-11	1.42E-09
4382	469154.98	3818694.77	4.11E-09	1.59E-08	2.11E-10	2.03E-08	3.42E-09	1.17E-08	1.52E-10	1.53E-08	3.88E-10	2.05E-09	3.60E-11	2.48E-09	3.53E-10	1.07E-09	1.09E-11	1.44E-09
4383	469158.81	3818686	4.16E-09	1.61E-08	2.14E-10	2.05E-08	3.47E-09	1.19E-08	1.54E-10	1.55E-08	3.93E-10	2.08E-09	3.65E-11	2.51E-09	3.57E-10	1.09E-09	1.10E-11	1.46E-09
4384	469162.63	3818677.22	4.21E-09	1.63E-08	2.17E-10	2.08E-08	3.51E-09	1.20E-08	1.55E-10	1.57E-08	3.98E-10	2.10E-09	3.69E-11	2.54E-09	3.62E-10	1.10E-09	1.12E-11	1.47E-09
4385	469166.46	3818668.45	4.26E-09	1.65E-08	2.19E-10	2.10E-08	3.55E-09	1.21E-08	1.57E-10	1.59E-08	4.02E-10	2.13E-09	3.73E-11	2.57E-09	3.66E-10	1.11E-09	1.13E-11	1.49E-09
4386	469170.29	3818659.67	4.31E-09	1.67E-08	2.21E-10	2.12E-08	3.59E-09	1.23E-08	1.59E-10	1.60E-08	4.07E-10	2.15E-09	3.78E-11	2.60E-09	3.70E-10	1.13E-09	1.14E-11	1.51E-09
4387	469174.12	3818650.9	4.35E-09	1.69E-08	2.23E-10	2.14E-08	3.62E-09	1.24E-08	1.60E-10	1.62E-08	4.11E-10	2.17E-09	3.81E-11	2.62E-09	3.73E-10	1.14E-09	1.15E-11	1.52E-09
4388	469177.94	3818642.12	4.39E-09	1.70E-08	2.25E-10	2.16E-08	3.66E-09	1.25E-08	1.62E-10	1.63E-08	4.14E-10	2.19E-09	3.85E-11	2.64E-09	3.77E-10	1.15E-09	1.16E-11	1.54E-09
4389	469181.77	3818633.34	4.43E-09	1.72E-08	2.27E-10	2.18E-08	3.69E-09	1.26E-08	1.63E-10	1.65E-08	4.18E-10	2.21E-09	3.88E-11	2.67E-09	3.80E-10	1.16E-09	1.17E-11	1.55E-09
4390	469185.6	3818624.57	4.46E-09	1.73E-08	2.29E-10	2.20E-08	3.71E-09	1.27E-08	1.64E-10	1.66E-08	4.21E-10	2.23E-09	3.91E-11	2.69E-09	3.83E-10	1.17E-09	1.18E-11	1.56E-09
4391	469189.42	3818615.79	4.49E-09	1.74E-08	2.31E-10	2.21E-08	3.74E-09	1.28E-08	1.66E-10	1.67E-08	4.24E-10	2.24E-09	3.94E-11	2.71E-09	3.85E-10	1.17E-09	1.19E-11	1.57E-09
4392	469193.25	3818607.02	4.52E-09	1.75E-08	2.32E-10	2.23E-08	3.76E-09	1.29E-08	1.67E-10	1.68E-08	4.27E-10	2.26E-09	3.96E-11	2.72E-09	3.88E-10	1.18E-09	1.20E-11	1.58E-09
4393	469197.08	3818598.24	4.55E-09	1.76E-08	2.34E-10	2.24E-08	3.79E-09	1.30E-08	1.68E-10	1.69E-08	4.29E-10	2.27E-09	3.98E-11	2.74E-09	3.90E-10	1.19E-09	1.20E-11	1.59E-09
4394	469200.91	3818589.47	4.57E-09	1.77E-08	2.35E-10	2.25E-08	3.80E-09	1.30E-08	1.68E-10	1.70E-08	4.31E-10	2.28E-09	4.00E-11	2.75E-09	3.92E-10	1.19E-09	1.21E-11	1.60E-09
4395	469204.73	3818580.69	4.59E-09	1.78E-08	2.36E-10	2.26E-08	3.82E-09	1.31E-08	1.69E-10	1.71E-08	4.33E-10	2.29E-09	4.02E-11	2.76E-09	3.94E-10	1.20E-09	1.22E-11	1.61E-09
4396	469208.56	3818571.92	4.61E-09	1.79E-08	2.37E-10	2.27E-08	3.84E-09	1.31E-08	1.70E-10	1.71E-08	4.35E-10	2.30E-09	4.04E-11	2.78E-09	3.95E-10	1.20E-09	1.22E-11	1.61E-09
4397	469212.39	3818563.14	4.63E-09	1.79E-08	2.38E-10	2.28E-08	3.85E-09	1.32E-08	1.71E-10	1.72E-08	4.37E-10	2.31E-09	4.05E-11	2.79E-09	3.97E-10	1.21E-09	1.23E-11	1.62E-09
4398	469216.21	3818554.37	4.64E-09	1.80E-08	2.39E-10	2.29E-08	3.87E-09	1.32E-08	1.71E-10	1.73E-08	4.38E-10	2.32E-09	4.07E-11	2.80E-09	3.99E-10	1.21E-09	1.23E-11	1.62E-09
4399	469220.04	3818545.59	4.66E-09	1.81E-08	2.39E-10	2.30E-08	3.88E-09	1.33E-08	1.72E-10	1.73E-08	4.40E-10	2.33E-09	4.08E-11	2.81E-09	4.00E-10	1.22E-09	1.23E-11	1.63E-09
4400	469223.87	3818536.82	4.67E-09	1.81E-08	2.40E-10	2.30E-08	3.89E-09	1.33E-08	1.72E-10	1.74E-08	4.41E-10	2.33E-09	4.09E-11	2.81E-09	4.01E-10	1.22E-09	1.24E-11	1.63E-09
4401	469227.69	3818528.04	4.68E-09	1.82E-08	2.41E-10	2.31E-08	3.90E-09	1.33E-08	1.73E-10	1.74E-08	4.42E-10	2.34E-09	4.10E-11	2.82E-09	4.02E-10	1.22E-09	1.24E-11	1.64E-09
4402	469231.52	3818519.26	4.70E-09	1.82E-08	2.41E-10	2.32E-08	3.91E-09	1.34E-08	1.73E-10	1.75E-08	4.44E-10	2.35E-09	4.12E-11	2.83E-09	4.03E-10	1.23E-09	1.25E-11	1.64E-09
4403	469235.35	3818510.49	4.71E-09	1.83E-08	2.42E-10	2.32E-08	3.93E-09	1.34E-08	1.74E-10	1.75E-08	4.45E-10	2.35E-09	4.13E-11	2.84E-09	4.05E-10	1.23E-09	1.25E-11	1.65E-09
4404	469239.18	3818501.71	4.73E-09	1.83E-08	2.43E-10	2.33E-08	3.94E-09	1.35E-08	1.74E-10	1.76E-08	4.46E-10	2.36E-09	4.14E-11	2.85E-09	4.06E-10	1.24E-09	1.25E-11	1.65E-09
4405	469243	3818492.94	4.73E-09	1.84E-08	2.43E-10	2.33E-08	3.94E-09	1.35E-08	1.75E-10	1.76E-08	4.47E-10	2.36E-09	4.15E-11	2.85E-09	4.06E-10	1.24E-09	1.25E-11	1.66E-09
4406	469246.83	3818484.16	4.75E-09	1.84E-08	2.44E-10	2.34E-08	3.95E-09	1.35E-08	1.75E-10	1.76E-08	4.48E-10	2.37E-09	4.16E-11	2.86E-09	4.07E-10	1.24E-09	1.26E-11	1.66E-09
4407	469250.66	3818475.39	4.76E-09	1.84E-08	2.44E-10	2.34E-08	3.96E-09	1.36E-08	1.75E-10	1.77E-08	4.49E-10	2.37E-09	4.17E-11	2.87E-09	4.08E-10	1.24E-09	1.26E-11	1.66E-09
4408	469254.48	3818466.61	4.77E-09	1.85E-08	2.45E-10	2.35E-08	3.97E-09	1.36E-08	1.76E-10	1.77E-08	4.50E-10	2.38E-09	4.18E-11	2.87E-09	4.10E-10	1.25E-09	1.26E-11	1.67E-09
4409	469258.31	3818457.84	4.79E-09	1.86E-08	2.46E-10	2.36E-08	3.99E-09	1.37E-08	1.77E-10	1.78E-08	4.53E-10	2.39E-09	4.20E-11	2.89E-09	4.11E-10	1.25E-09	1.27E-11	1.68E-09
4410	469297.83	3818384.11	5.05E-09	1.96E-08	2.59E-10	2.49E-08	4.20E-09	1.44E-08	1.86E-10	1.88E-08	4.77E-10	2.52E-09	4.42E-11	3.04E-09	4.33E-10	1.32E-09	1.34E-11	1.77E-09
4411	469306.73	3818380.58	5.13E-09	1.99E-08	2.64E-10	2.53E-08	4.28E-09	1.46E-08	1.89E-10	1.91E-08	4.85E-10	2.56E-09	4.50E-11	3.09E-09	4.41E-10	1.34E-09	1.36E-11	1.80E-09
4412	469315.63	3818377.06	5.22E-09	2.03E-08	2.68E-10	2.57E-08	4.35E-09	1.49E-08	1.93E-10	1.94E-08	4.93E-10	2.61E-09	4.58E-11	3.15E-09	4.48E-10	1.36E-09	1.38E-11	1.83E-09

4413	469324.53	3818373.53	5.31E-09	2.06E-08	2.73E-10	2.62E-08	4.42E-09	1.51E-08	1.96E-10	1.97E-08	5.01E-10	2.65E-09	4.65E-11	3.20E-09	4.56E-10	1.39E-09	1.41E-11	1.86E-09
4414	469333.43	3818370.01	5.40E-09	2.09E-08	2.77E-10	2.66E-08	4.50E-09	1.54E-08	1.99E-10	2.01E-08	5.10E-10	2.70E-09	4.73E-11	3.25E-09	4.64E-10	1.41E-09	1.43E-11	1.89E-09
4415	469342.33	3818366.48	5.49E-09	2.13E-08	2.82E-10	2.70E-08	4.57E-09	1.56E-08	2.02E-10	2.04E-08	5.18E-10	2.74E-09	4.81E-11	3.31E-09	4.71E-10	1.43E-09	1.45E-11	1.92E-09
4416	469351.23	3818362.96	5.57E-09	2.16E-08	2.86E-10	2.75E-08	4.64E-09	1.59E-08	2.06E-10	2.07E-08	5.26E-10	2.78E-09	4.88E-11	3.36E-09	4.79E-10	1.46E-09	1.48E-11	1.95E-09
4417	469360.13	3818359.43	5.66E-09	2.19E-08	2.91E-10	2.79E-08	4.71E-09	1.61E-08	2.09E-10	2.10E-08	5.34E-10	2.82E-09	4.96E-11	3.41E-09	4.86E-10	1.48E-09	1.50E-11	1.98E-09
4418	469369.03	3818355.91	5.73E-09	2.22E-08	2.95E-10	2.83E-08	4.78E-09	1.63E-08	2.11E-10	2.13E-08	5.41E-10	2.86E-09	5.02E-11	3.45E-09	4.92E-10	1.50E-09	1.52E-11	2.01E-09
4419	469377.94	3818352.38	5.81E-09	2.25E-08	2.99E-10	2.87E-08	4.84E-09	1.66E-08	2.14E-10	2.16E-08	5.49E-10	2.90E-09	5.09E-11	3.50E-09	4.99E-10	1.52E-09	1.54E-11	2.03E-09
4420	469386.84	3818348.86	5.89E-09	2.28E-08	3.02E-10	2.90E-08	4.90E-09	1.68E-08	2.17E-10	2.19E-08	5.56E-10	2.94E-09	5.16E-11	3.55E-09	5.05E-10	1.54E-09	1.56E-11	2.06E-09
4421	469395.74	3818345.33	5.96E-09	2.31E-08	3.06E-10	2.94E-08	4.97E-09	1.70E-08	2.20E-10	2.22E-08	5.63E-10	2.98E-09	5.23E-11	3.59E-09	5.12E-10	1.56E-09	1.58E-11	2.09E-09
4422	469404.64	3818341.81	6.03E-09	2.34E-08	3.10E-10	2.97E-08	5.02E-09	1.72E-08	2.22E-10	2.24E-08	5.70E-10	3.01E-09	5.29E-11	3.63E-09	5.18E-10	1.58E-09	1.60E-11	2.11E-09
4423	469413.54	3818338.28	6.10E-09	2.37E-08	3.13E-10	3.01E-08	5.08E-09	1.74E-08	2.25E-10	2.27E-08	5.76E-10	3.05E-09	5.35E-11	3.68E-09	5.24E-10	1.59E-09	1.62E-11	2.13E-09
4424	469422.44	3818334.76	6.16E-09	2.39E-08	3.17E-10	3.04E-08	5.13E-09	1.76E-08	2.27E-10	2.29E-08	5.82E-10	3.08E-09	5.40E-11	3.71E-09	5.29E-10	1.61E-09	1.63E-11	2.16E-09
4425	469431.34	3818331.23	6.22E-09	2.41E-08	3.20E-10	3.07E-08	5.18E-09	1.77E-08	2.29E-10	2.31E-08	5.87E-10	3.11E-09	5.45E-11	3.75E-09	5.34E-10	1.63E-09	1.65E-11	2.18E-09
4426	469440.24	3818327.7	6.28E-09	2.44E-08	3.23E-10	3.10E-08	5.23E-09	1.79E-08	2.32E-10	2.34E-08	5.93E-10	3.14E-09	5.51E-11	3.79E-09	5.39E-10	1.64E-09	1.67E-11	2.20E-09
4427	469449.14	3818324.18	6.34E-09	2.46E-08	3.26E-10	3.12E-08	5.28E-09	1.81E-08	2.34E-10	2.36E-08	5.98E-10	3.16E-09	5.55E-11	3.82E-09	5.44E-10	1.66E-09	1.68E-11	2.22E-09
4428	469458.04	3818320.65	6.38E-09	2.48E-08	3.28E-10	3.15E-08	5.32E-09	1.82E-08	2.35E-10	2.37E-08	6.03E-10	3.19E-09	5.60E-11	3.85E-09	5.48E-10	1.67E-09	1.69E-11	2.23E-09
4429	469466.94	3818317.13	6.43E-09	2.49E-08	3.30E-10	3.17E-08	5.36E-09	1.83E-08	2.37E-10	2.39E-08	6.07E-10	3.21E-09	5.64E-11	3.88E-09	5.52E-10	1.68E-09	1.71E-11	2.25E-09
4430	469475.84	3818313.6	6.48E-09	2.51E-08	3.33E-10	3.19E-08	5.40E-09	1.85E-08	2.39E-10	2.41E-08	6.12E-10	3.23E-09	5.68E-11	3.90E-09	5.56E-10	1.69E-09	1.72E-11	2.27E-09
4431	469484.75	3818310.08	6.52E-09	2.53E-08	3.35E-10	3.22E-08	5.43E-09	1.86E-08	2.41E-10	2.43E-08	6.16E-10	3.26E-09	5.72E-11	3.93E-09	5.60E-10	1.71E-09	1.73E-11	2.28E-09
4432	469493.65	3818306.55	6.57E-09	2.55E-08	3.37E-10	3.24E-08	5.47E-09	1.87E-08	2.42E-10	2.44E-08	6.20E-10	3.28E-09	5.75E-11	3.96E-09	5.64E-10	1.72E-09	1.74E-11	2.30E-09
4433	469502.55	3818303.03	6.61E-09	2.56E-08	3.39E-10	3.26E-08	5.50E-09	1.88E-08	2.44E-10	2.46E-08	6.24E-10	3.30E-09	5.79E-11	3.98E-09	5.67E-10	1.73E-09	1.75E-11	2.31E-09
4434	469511.45	3818299.5	6.65E-09	2.58E-08	3.42E-10	3.28E-08	5.54E-09	1.90E-08	2.45E-10	2.47E-08	6.28E-10	3.32E-09	5.83E-11	4.01E-09	5.71E-10	1.74E-09	1.76E-11	2.33E-09
4435	469520.35	3818295.98	6.70E-09	2.60E-08	3.44E-10	3.30E-08	5.58E-09	1.91E-08	2.47E-10	2.49E-08	6.33E-10	3.35E-09	5.87E-11	4.04E-09	5.75E-10	1.75E-09	1.78E-11	2.34E-09
4436	469529.25	3818292.45	6.75E-09	2.62E-08	3.47E-10	3.33E-08	5.62E-09	1.92E-08	2.49E-10	2.51E-08	6.38E-10	3.37E-09	5.92E-11	4.07E-09	5.80E-10	1.77E-09	1.79E-11	2.36E-09
4437	469538.15	3818288.93	6.80E-09	2.64E-08	3.49E-10	3.35E-08	5.66E-09	1.94E-08	2.51E-10	2.53E-08	6.42E-10	3.39E-09	5.96E-11	4.10E-09	5.84E-10	1.78E-09	1.80E-11	2.38E-09
4438	469547.05	3818285.4	6.85E-09	2.66E-08	3.52E-10	3.38E-08	5.70E-09	1.95E-08	2.53E-10	2.55E-08	6.47E-10	3.42E-09	6.00E-11	4.12E-09	5.88E-10	1.79E-09	1.82E-11	2.40E-09
4439	469555.95	3818281.88	6.89E-09	2.67E-08	3.54E-10	3.40E-08	5.74E-09	1.96E-08	2.54E-10	2.56E-08	6.51E-10	3.44E-09	6.04E-11	4.15E-09	5.92E-10	1.80E-09	1.83E-11	2.41E-09
4440	469564.85	3818278.35	6.94E-09	2.69E-08	3.57E-10	3.42E-08	5.78E-09	1.98E-08	2.56E-10	2.58E-08	6.56E-10	3.47E-09	6.09E-11	4.18E-09	5.96E-10	1.82E-09	1.84E-11	2.43E-09
4441	469573.75	3818274.83	7.00E-09	2.71E-08	3.60E-10	3.45E-08	5.83E-09	1.99E-08	2.58E-10	2.60E-08	6.61E-10	3.49E-09	6.13E-11	4.22E-09	6.01E-10	1.83E-09	1.86E-11	2.45E-09
4442	469582.66	3818271.3	7.05E-09	2.73E-08	3.62E-10	3.48E-08	5.87E-09	2.01E-08	2.60E-10	2.62E-08	6.66E-10	3.52E-09	6.18E-11	4.25E-09	6.05E-10	1.84E-09	1.87E-11	2.47E-09
4443	469591.56	3818267.77	7.10E-09	2.75E-08	3.65E-10	3.50E-08	5.91E-09	2.02E-08	2.62E-10	2.64E-08	6.71E-10	3.55E-09	6.22E-11	4.28E-09	6.10E-10	1.86E-09	1.88E-11	2.48E-09
4444	469600.46	3818264.25	7.16E-09	2.78E-08	3.68E-10	3.53E-08	5.96E-09	2.04E-08	2.64E-10	2.66E-08	6.76E-10	3.57E-09	6.27E-11	4.31E-09	6.14E-10	1.87E-09	1.90E-11	2.50E-09
4445	469609.36	3818260.72	7.21E-09	2.80E-08	3.70E-10	3.55E-08	6.01E-09	2.05E-08	2.66E-10	2.68E-08	6.81E-10	3.60E-09	6.32E-11	4.34E-09	6.19E-10	1.88E-09	1.91E-11	2.52E-09
4446	469618.26	3818257.2	7.26E-09	2.82E-08	3.73E-10	3.58E-08	6.05E-09	2.07E-08	2.68E-10	2.70E-08	6.86E-10	3.63E-09	6.37E-11	4.38E-09	6.24E-10	1.90E-09	1.93E-11	2.54E-09
4447	469627.16	3818253.67	7.32E-09	2.84E-08	3.76E-10	3.61E-08	6.10E-09	2.09E-08	2.70E-10	2.72E-08	6.92E-10	3.66E-09	6.42E-11	4.41E-09	6.29E-10	1.91E-09	1.94E-11	2.56E-09
4448	469636.06	3818250.15	7.38E-09	2.86E-08	3.79E-10	3.64E-08	6.15E-09	2.10E-08	2.72E-10	2.75E-08	6.97E-10	3.69E-09	6.47E-11	4.45E-09	6.34E-10	1.93E-09	1.96E-11	2.58E-09
4449	469644.96	3818246.62	7.45E-09	2.89E-08	3.83E-10	3.67E-08	6.21E-09	2.12E-08	2.75E-10	2.77E-08	7.04E-10	3.72E-09	6.53E-11	4.49E-09	6.40E-10	1.95E-09	1.98E-11	2.61E-09
4450	469653.86	3818243.1	7.51E-09	2.91E-08	3.86E-10	3.70E-08	6.26E-09	2.14E-08	2.77E-10	2.79E-08	7.09E-10	3.75E-09	6.58E-11	4.53E-09	6.45E-10	1.96E-09	1.99E-11	2.63E-09
4451	469662.76	3818239.57	7.57E-09	2.94E-08	3.89E-10	3.73E-08	6.31E-09	2.16E-08	2.79E-10	2.82E-08	7.15E-10	3.78E-09	6.64E-11	4.56E-09	6.50E-10	1.98E-09	2.01E-11	2.65E-09
4452	469671.66	3818236.05	7.63E-09	2.96E-08	3.92E-10	3.76E-08	6.35E-09	2.17E-08	2.81E-10	2.84E-08	7.20E-10	3.81E-09	6.68E-11	4.60E-09	6.55E-10	1.99E-09	2.02E-11	2.67E-09
4453	469716.17	3818218.42	7.88E-09	3.06E-08	4.05E-10	3.88E-08	6.56E-09	2.25E-08	2.91E-10	2.93E-08	7.44E-10	3.93E-09	6.90E-11	4.75E-09	6.76E-10	2.06E-09	2.09E-11	2.76E-09
4454	469725.07	3818214.9	7.93E-09	3.07E-08	4.07E-10	3.91E-08	6.60E-09	2.26E-08	2.92E-10	2.95E-08	7.49E-10	3.96E-09	6.95E-11	4.78E-09	6.80E-10	2.07E-09	2.10E-11	2.77E-09
4455	469733.97	3818211.37	7.97E-09	3.09E-08	4.10E-10	3.93E-08	6.64E-09	2.27E-08	2.94E-10	2.96E-08	7.53E-10	3.98E-09	6.98E-11	4.80E-09	6.84E-10	2.08E-09	2.11E-11	2.79E-09
4456	469742.87	3818207.84	8.01E-09	3.11E-08	4.12E-10	3.95E-08	6.68E-09	2.28E-08	2.96E-10	2.98E-08	7.57E-10	4.00E-09	7.02E-11	4.83E-09	6.88E-10	2.09E-09	2.12E-11	2.80E-09
4457	469751.77	3818204.32	8.05E-09	3.12E-08	4.14E-10	3.97E-08	6.71E-09	2.30E-08	2.97E-10	3.00E-08	7.61E-10	4.02E-09	7.06E-11	4.85E-09	6.91E-10	2.11E-09	2.14E-11	2.82E-09
4458	469760.67	3818200.79	8.09E-09	3.14E-08	4.15E-10	3.99E-08	6.74E-09	2.30E-08	2.98E-10	3.01E-08	7.64E-10	4.04E-09	7.09E-11	4.87E-09	6.94E-10	2.11E-09	2.14E-11	2.83E-09
4459	469769.57	3818197.27	8.12E-09	3.15E-08	4.17E-10	4.00E-08	6.76E-09	2.31E-08	2.99E-10	3.02E-08	7.66E-10	4.05E-09	7.11E-11	4.89E-09	6.97E-10	2.12E-09	2.15E-11	2.84E-09
4460	469778.47	3818193.74	8.14E-09	3.16E-08	4.18E-10	4.01E-08	6.78E-09	2.32E-08	3.00E-10	3.03E-08	7.69E-10	4.06E-09	7.13E-11	4.90E-09	6.99E-10	2.13E-09	2.16E-11	2.85E-09
4461	469787.37	3818190.22	8.17E-09	3.17E-08	4.20E-10	4.03E-08	6.80E-09	2.33E-08	3.01E-10	3.04E-08	7.71E-10	4.08E-09	7.16E-11	4.92E-09	7.01E-10	2.13E-09	2.16E-11	2.86E-09
4462	469796.28	3818186.69	8.19E-09	3.18E-08	4.21E-10	4.04E-08	6.82E-09	2.33E-08	3.02E-10	3.05E-08	7.73E-10	4.09E-09	7.18E-11	4.93E-09	7.03E-10	2.14E-09	2.17E-11	2.87E-09
4463	469805.18	3818183.17	8.21E-09	3.18E-08	4.22E-10	4.05E-08	6.84E-09	2.34E-08	3.03E-10	3.05E-08	7.75E-10	4.10E-09	7.19E-11	4.94E-09	7.05E-10	2.15E-09	2.18E-11	2.87E-09
4464	469814.08	3818179.64	8.23E-09	3.19E-08	4.23E-10	4.06E-08	6.85E-09	2.34E-08	3.03E-10	3.06E-08	7.77E-10	4.11E-09	7.21E-11	4.96E-09	7.06E-10	2.15E-09	2.18E-11	2.88E-09
4465	469822.98	3818176.12	8.25E-09	3.20E-08	4.24E-10	4.07E-08	6.87E-09	2.35E-08	3.04E-10	3.07E-08	7.79E-10	4.12E-09	7.23E-11	4.97E-09	7.08E-10	2.16E-09	2.19E-11	2.89E-09
4466	469831.88	3818172.59	8.28E-09	3.21E-08	4.25E-10	4.08E-08	6.89E-09	2.36E-08	3.05E-10	3.08E-08	7.81E-10	4.13E-09	7.25E-11	4.99E-09	7.10E-10	2.16E-09	2.19E-11	2.90E-09
4467	469840.78	3818169.07	8.30E-09	3.22E-08	4.27E-10	4.09E-08	6.91E-09	2.37E-08	3.06E-10	3.09E-08	7.84E-10	4.14E-09	7.27E-11	5.00E-09	7.13E-10	2.17E-09	2.20E-11	2.90E-09
4468	469849.68	3818165.54	8.32E-09	3.23E-08	4.27E-10	4.10E-08	6.93E-09	2.37E-08	3.07E-10	3.09E-08	7.86E-10	4.15E-09	7.29E-11	5.01E-09	7.14E-10	2.17E-09	2.21E-11	2.91E-09
4469	469858.58	3818162.02	8.34E-09	3.24E-08	4.29E-10	4.11E-08	6.95E-09	2.38E-08	3.08E-10	3.10E-08	7.88E-10	4.17E-09	7.31E-11	5.03E-09	7.16E-10	2.18E-09	2.21E-11	2.92E-09
4470	469867.48	3818158.49	8.37E-09	3.25E-08	4.30E-10	4.13E-08	6.97E-09	2.39E-08	3.09E-10	3.11E-08	7.91E-10	4.18E-09	7.34E-11	5.04E-09	7.19E-10	2.19E-09	2.22E-11	2.93E-09
4471	469876.38	3818154.97	8.41E-09	3.26E-08	4.32E-10	4.14E-08	7.00E-09	2.40E-08	3.10E-10	3.13E-08	7.94E-10	4.20E-09	7.37E-11	5.06E-09	7.22E-10	2.20E-09	2.23E-11	2.94E-09
4472	469885.28	3818151.44	8.44E-09	3.27E-08	4.33E-10	4.16E-08	7.03E-09	2.40E-08	3.11E-10	3.14E-08	7.97E-10	4.21E-09	7.39E-11	5.08E-09	7.24E-10	2.21E-09	2.24E-11	2.95E-09
4473	469894.19	3818147.92	8.47E-09	3.29E-08	4.35E-10	4.18E-08	7.06E-09	2.41E-08	3.12E-10	3.15E-08	8.00E-10	4.23E-09	7.42E-11	5.10E-09	7.27E-10	2.21E-09	2.25E-11	2.96E-09
4474	469903.09	3818144.39	8.50E-09	3.30E-08	4.37E-10	4.19E-08	7.08E-09	2.42E-08	3.14E-10	3.16E-08	8.03E-10	4.25E-09	7.45E-11	5.12E-09	7.30E-10	2.22E-09	2.25E-11	2.98E-09
4475	469911.99	3818140.86	8.54E-09	3.31E-08	4.39E-10	4.21E-08	7.12E-09	2.44E-08	3.15E-10	3.18E-08	8.07E-10	4.27E-09	7.49E-11	5.15E-09	7.34E-10	2.23E-09	2.27E-11	2.99E-09
4476	469920.89	3818137.34	8.59E-09	3.33E-08	4.41E-10	4.24E-08	7.16E-09	2.45E-08	3.17E-10	3.20E-08	8.11E-10	4.29E-09	7.53E-11	5.18E-09	7.38E-10	2.25E-09	2.28E-11	3.01E-09
4477	469929.79	3818133.81	8.65E-09	3.35E-08	4.44E-10	4.26E-08	7.20E-09	2.46E-08	3.19E-10	3.22E-08	8.17E-10	4.32E-09	7.58E-11	5.21E-09	7.42E-10	2.26E-09	2.29E-11	3.03E-09
4478	469938.69	3818130.29	8.70E-09	3.37E-08	4.47E-10	4.29E-08	7.24E-09	2.48E-08	3.21E-10	3.24E-08	8.21E-10	4.34E-09	7.62E-11	5.24E-09	7.47E-10	2.27E-09	2.31E-11	3.04E-09
4479	469947.59	3818126.76	8.75E-09	3.39E-08	4.50E-10	4.31E-08	7.29E-09	2.49E-08	3.23E-10	3.26E-08	8.26E-10	4.37E-09	7.67E-11	5.27E-09	7.51E-10	2.29E-09	2.32E-11	3.06E-09
4480	469956.49	3818123.24	8.81E-09	3.42E-08	4.53E-10	4.34E-08	7.34E-09	2.51E-08	3.25E-10	3.28E-08	8.32E-10	4.40E-09	7.72E-11	5.31E-09	7.56E-10	2.30E-09	2.34E-11	3.08E-09
4481	469965.39	3818119.71	8.87E-09	3.44E-08	4.56E-10	4.37E-08	7.39E-09	2.53E-08	3.27E-10	3.30E-08	8.38E-10	4.43E-09	7.77E-11	5.34E-09	7.62E-10	2.32E-09	2.35E-11	3.10E-09
4482	469974.29	3818116.19	8.93E-09	3.46E-08	4.59E-10	4.40E-08	7.44E-09	2.55E-08	3.29E-10	3.32E-08	8.43E-10	4.46E-09	7.83E-11	5.38E-09	7.67E-10	2.33E-09	2.37E-11	3.12E-09
4483	469983.19	3818112.66	8.99E-09	3.49E-08	4.62E-10	4.43E-08	7.49E-09	2.56E-08	3.31E-10	3.34E-08	8.49E-10	4.49E-09	7.88E-11	5.42E-09	7.72E-10	2.35E-09	2.38E-11	3.15E-09
4484	469992.09	3818109.14	9.05E-09	3.51E-08	4.65E-10	4.46E-08	7.54E-09	2.58E-08	3.34E-10	3.37E-08	8.54E-10	4.52E-09	7.93E-11	5.45E-09	7.77E-10	2.36E-09	2.40E-11	3.17E-09
4485	470001	3818105.61	9.11E-09	3.53E-08	4.68E-10	4.49E-08	7.59E-09	2.60E-08	3.36E-10	3.39E-08	8.60E-10	4.55E-09	7.98E-11	5.49E-09	7.82E-10	2.38E-09	2.42E-11	3.19E-09
4486	470009.9	3818102.09	9.17E-09	3.56E-08	4.71E-10	4.52E-08	7.64E-09	2.61E-08	3.38E-10	3.41E-08	8.66E-10	4.58E-09	8.04E-11	5.53E-09	7.88E-10	2.40E-09	2.43E-11	3.21E-09
4487	470018.8	3818098.56	9.23E-09	3.58E-08	4.74E-10	4.55E-08	7.69E-09	2.63E-08	3.40E-10	3.43E-08	8.71E-10	4.61E-09	8.09E-11	5.56E-09	7.92E-10	2.41E-09	2.45E-11	3.23E-09
4488	470045.5	3818087.99	9.34E-09	3.62E-08	4.80E-10	4.60E-08	7.78E-09	2.66E-08	3.45E-10	3.47E-08	8.82E-10	4.66E-09	8.19E-11	5.63E-09	8.02E-10	2.44E-09	2.48E-11	3.27E-09
4489	470054.4	3818084.46	9.37E-09	3.63E-08	4.81E-10	4.62E-08	7.80E-09	2.67E-08	3.45E-10	3.48E-08	8.84E-10	4.68E-09	8.21E-11	5.64E-09	8.04E-10	2.45E-09	2.48E-11	3.28E-09
4490	470063.3	3818080.93	9.38E-09	3.64E-08	4.82E-10	4.62E-08	7.81E-09	2.67E-08	3.46E-10	3.49E-08	8.86E-10	4.68E-09	8.22E-11	5.65E-09	8.05E-10	2.45E-09	2.49E-11	3.28E-09
4491	470072.2	3818077.41	9.39E-09	3.64E-08	4.82E-10	4.63E-08	7.82E-09	2.68E-08	3.46E-10	3.49E-08	8.87E-10	4.69E-09	8.23E-11	5.66E-09	8.06E-10	2.45E-09	2.49E-11	3.29E-09
4492	470081.1	3818073.88	9.39E-09	3.64E-08	4.82E-10	4.63E-08	7.82E-09	2.68E-08	3.46E-10	3.49E-08	8.87E-10	4.69E-09	8.23E-11	5.66E-09	8.06E-10	2.45E-09	2.49E-11	3.29E-09
4493	470090	3818070.36	9.38E-09	3.64E-08	4.82E-10	4.62E-08	7.81E-09	2.67E-08	3.46E-10	3.49E-08	8.86E-10	4.68E-09	8.22E-11	5.65E-09	8.05E-10	2.45E-09	2.49E-11	3.28E-09
4494	470098.91	3818066.83	9.36E-09	3.63E-08	4.81E-10	4.62E-08	7.80E-09	2.67E-08	3.45E-10	3.48E-08	8.84E-10	4.67E-09	8.20E-11	5.64E-09	8.04E-10	2.45E-09	2.48E-11	3.28E-09
4495	470107.81	3818063.31	9.33E-09	3.62E-08	4.79E-10	4.60E-08	7.77E-09	2.66E-08	3.44E-10	3.47E-08	8.81E-10	4.66E-09	8.18E-11	5.62E-09	8.01E-10	2.44E-09	2.47E-11	3.26E-09
4496	470116.71	3818059.78	9.29E-09	3.60E-08	4.78E-10	4.58E-08	7.74E-09	2.65E-08	3.43E-10	3.46E-08	8.78E-10	4.64E-09	8.14E-11	5.60E-09	7.98E-10	2.43E-09	2.46E-11	3.25E-09
4497	468928.8	3819231.81	2.63E-09	1.02E-08	1.35E-10	1.29E-08	2.19E-09	7.48E-09	9.68E-11	9.77E-09	2.48E-10	1.31E-09	2.30E-11	1.58E-09	2.25E-10	6.86E-10	6.96E-12	9.19E-10
4498	468928.61	3819241.46	2.67E-09	1.04E-08	1.37E-10	1.32E-08	2.22E-09	7.61E-09	9.84E-11	9.93E-09	2.52E-10	1.33E-09	2.34E-11	1.61E-09	2.29E-10	6.98E-10	7.08E-12	9.34E-10
4499	468928.41	3819251.11	2.71E-09	1.05E-08	1.39E-10	1.34E-08	2.26E-09	7.73E-09	1.00E-10	1.01E-08	2.56E-10	1.35E-09	2.38E-11	1.63E-09	2.33E-10	7.09E-10	7.19E-12	9.49E-10
4500	468928.22	3819260.76	2.76E-09	1.07E-08	1.42E-10	1.36E-08	2.30E-09	7.85E-09	1.02E-10	1.03E-08	2.60E-10	1.38E-09	2.42E-11	1.66E-09	2.37E-10	7.20E-10	7.31E-12	9.64E-10
4501	468928.03	3819270.41	2.80E-09	1.09E-08	1.44E-10	1.38E-08	2.34E-09	7.99E-09	1.03E-10	1.04E-08	2.65E-10	1.40E-09	2.46E-11	1.69E-09	2.41E-10	7.33E-10	7.43E-12	9.81E-10
4502	468927.83	3819280.06	2.85E-09	1.10E-08	1.46E-10	1.40E-08	2.37E-09	8.11E-09	1.05E-10	1.06E-08	2.69E-10	1.42E-09	2.49E-11	1.72E-09	2.44E-10	7.44E-10	7.55E-12	9.96E-10
4503	468927.64	3819289.7	2.89E-09	1.12E-08	1.48E-10	1.42E-08	2.40E-09	8.23E-09	1.06E-10	1.07E-08	2.73E-10	1.44E-09	2.53E-11	1.74E-09	2.48E-10	7.55E-10	7.65E-12	1.01E-09
4504	468927.45	3819299.35	2.93E-09	1.14E-08	1.50E-10	1.44E-08	2.44E-09	8.34E-09	1.08E-10	1.09E-08	2.76E-10	1.46E-09	2.56E-11	1.76E-09	2.51E-10	7.65E-10	7.76E-12	1.02E-09
4505	468927.25	3819309	2.97E-09	1.15E-08	1.52E-10	1.46E-08	2.47E-09	8.46E-09	1.09E-10	1.10E-08	2.80E-10	1.48E-09	2.60E-11	1.79E-09	2.55E-10	7.76E-10	7.87E-12	1.04E-09
4506	468927.06	3819318.65	3.00E-09	1.16E-08	1.54E-10	1.48E-08	2.50E-09	8.56E-09	1.11E-10	1.12E-08	2.84E-10	1.50E-09	2.63E-11	1.81E-09	2.58E-10	7.85E-10	7.96E-12	1.05E-09
4507	468926.87	3819328.3	3.04E-09	1.18E-08	1.56E-10	1.50E-08	2.53E-09	8.66E-09	1.12E-10	1.13E-08	2.87E-10	1.52E-09	2.66E-11	1.83E-09	2.61E-10	7.95E-10	8.06E-12	1.06E-09
4508	468926.68	3819337.94	3.08E-09	1.19E-08	1.58E-10	1.52E-08	2.56E-09	8.77E-09	1.13E-10	1.14E-08	2.90E-10	1.54E-09	2.70E-11	1.85E-09	2.64E-10	8.04E-10	8.15E-12	1.08

4509	468926.48	3819347.59	3.11E-09	1.21E-08	1.60E-10	1.53E-08	2.59E-09	8.86E-09	1.15E-10	1.16E-08	2.94E-10	1.55E-09	2.72E-11	1.87E-09	2.67E-10	8.13E-10	8.24E-12	1.09E-09
4510	468926.29	3819357.24	3.14E-09	1.22E-08	1.61E-10	1.55E-08	2.61E-09	8.94E-09	1.16E-10	1.17E-08	2.96E-10	1.57E-09	2.75E-11	1.89E-09	2.69E-10	8.20E-10	8.32E-12	1.10E-09
4511	468926.1	3819366.89	3.17E-09	1.23E-08	1.63E-10	1.56E-08	2.64E-09	9.03E-09	1.17E-10	1.18E-08	2.99E-10	1.58E-09	2.78E-11	1.91E-09	2.72E-10	8.28E-10	8.40E-12	1.11E-09
4512	468925.9	3819376.54	3.19E-09	1.24E-08	1.64E-10	1.57E-08	2.66E-09	9.10E-09	1.18E-10	1.19E-08	3.01E-10	1.59E-09	2.80E-11	1.92E-09	2.74E-10	8.35E-10	8.46E-12	1.12E-09
4513	468925.71	3819386.19	3.22E-09	1.25E-08	1.65E-10	1.59E-08	2.68E-09	9.17E-09	1.19E-10	1.20E-08	3.04E-10	1.61E-09	2.82E-11	1.94E-09	2.76E-10	8.41E-10	8.53E-12	1.13E-09
4514	468925.52	3819395.83	3.24E-09	1.26E-08	1.67E-10	1.60E-08	2.70E-09	9.24E-09	1.20E-10	1.21E-08	3.06E-10	1.62E-09	2.84E-11	1.95E-09	2.78E-10	8.48E-10	8.60E-12	1.13E-09
4515	468925.32	3819405.48	3.27E-09	1.27E-08	1.68E-10	1.61E-08	2.72E-09	9.31E-09	1.20E-10	1.21E-08	3.08E-10	1.63E-09	2.86E-11	1.97E-09	2.80E-10	8.54E-10	8.66E-12	1.14E-09
4516	468925.13	3819415.13	3.29E-09	1.28E-08	1.69E-10	1.62E-08	2.74E-09	9.38E-09	1.21E-10	1.22E-08	3.11E-10	1.64E-09	2.88E-11	1.98E-09	2.82E-10	8.60E-10	8.72E-12	1.15E-09
4517	468924.94	3819424.78	3.32E-09	1.29E-08	1.70E-10	1.63E-08	2.76E-09	9.45E-09	1.22E-10	1.23E-08	3.13E-10	1.66E-09	2.91E-11	2.00E-09	2.85E-10	8.67E-10	8.79E-12	1.16E-09
4518	469075.84	3818691.24	3.43E-09	1.33E-08	1.76E-10	1.69E-08	2.86E-09	9.78E-09	1.27E-10	1.28E-08	3.24E-10	1.71E-09	3.01E-11	2.07E-09	2.95E-10	8.97E-10	9.10E-12	1.20E-09
4519	469079.68	3818682.43	3.48E-09	1.35E-08	1.79E-10	1.72E-08	2.90E-09	9.93E-09	1.28E-10	1.30E-08	3.29E-10	1.74E-09	3.05E-11	2.10E-09	2.99E-10	9.11E-10	9.23E-12	1.22E-09
4520	469083.52	3818673.62	3.54E-09	1.37E-08	1.82E-10	1.74E-08	2.95E-09	1.01E-08	1.30E-10	1.32E-08	3.34E-10	1.77E-09	3.10E-11	2.13E-09	3.04E-10	9.25E-10	9.38E-12	1.24E-09
4521	469087.36	3818664.82	3.59E-09	1.39E-08	1.84E-10	1.77E-08	2.99E-09	1.02E-08	1.32E-10	1.33E-08	3.39E-10	1.79E-09	3.14E-11	2.16E-09	3.08E-10	9.38E-10	9.51E-12	1.26E-09
4522	469091.2	3818656.01	3.64E-09	1.41E-08	1.87E-10	1.79E-08	3.03E-09	1.04E-08	1.34E-10	1.35E-08	3.43E-10	1.82E-09	3.19E-11	2.19E-09	3.12E-10	9.51E-10	9.64E-12	1.27E-09
4523	469095.05	3818647.2	3.68E-09	1.43E-08	1.89E-10	1.82E-08	3.07E-09	1.05E-08	1.36E-10	1.37E-08	3.48E-10	1.84E-09	3.23E-11	2.22E-09	3.16E-10	9.63E-10	9.76E-12	1.29E-09
4524	469098.89	3818638.39	3.73E-09	1.45E-08	1.91E-10	1.84E-08	3.10E-09	1.06E-08	1.37E-10	1.39E-08	3.52E-10	1.86E-09	3.27E-11	2.25E-09	3.20E-10	9.74E-10	9.88E-12	1.30E-09
4525	469102.73	3818629.58	3.77E-09	1.46E-08	1.94E-10	1.86E-08	3.14E-09	1.07E-08	1.39E-10	1.40E-08	3.56E-10	1.88E-09	3.30E-11	2.27E-09	3.24E-10	9.86E-10	1.00E-11	1.32E-09
4526	469106.57	3818620.78	3.81E-09	1.48E-08	1.96E-10	1.88E-08	3.17E-09	1.09E-08	1.41E-10	1.42E-08	3.60E-10	1.90E-09	3.34E-11	2.30E-09	3.27E-10	9.96E-10	1.01E-11	1.33E-09
4527	469137.3	3818550.31	4.03E-09	1.56E-08	2.07E-10	1.99E-08	3.36E-09	1.15E-08	1.49E-10	1.50E-08	3.80E-10	2.01E-09	3.53E-11	2.43E-09	3.46E-10	1.05E-09	1.07E-11	1.41E-09
4528	469141.14	3818541.5	4.05E-09	1.57E-08	2.08E-10	2.00E-08	3.37E-09	1.15E-08	1.49E-10	1.51E-08	3.82E-10	2.02E-09	3.55E-11	2.44E-09	3.47E-10	1.06E-09	1.07E-11	1.42E-09
4529	469144.98	3818532.69	4.06E-09	1.58E-08	2.09E-10	2.00E-08	3.38E-09	1.16E-08	1.50E-10	1.51E-08	3.84E-10	2.03E-09	3.56E-11	2.45E-09	3.49E-10	1.06E-09	1.08E-11	1.42E-09
4530	469148.82	3818523.89	4.08E-09	1.58E-08	2.09E-10	2.01E-08	3.40E-09	1.16E-08	1.50E-10	1.52E-08	3.85E-10	2.03E-09	3.57E-11	2.46E-09	3.50E-10	1.07E-09	1.08E-11	1.43E-09
4531	469152.66	3818515.08	4.09E-09	1.59E-08	2.10E-10	2.01E-08	3.40E-09	1.16E-08	1.51E-10	1.52E-08	3.86E-10	2.04E-09	3.58E-11	2.46E-09	3.51E-10	1.07E-09	1.08E-11	1.43E-09
4532	469156.51	3818506.27	4.10E-09	1.59E-08	2.11E-10	2.02E-08	3.41E-09	1.17E-08	1.51E-10	1.52E-08	3.87E-10	2.05E-09	3.59E-11	2.47E-09	3.52E-10	1.07E-09	1.09E-11	1.43E-09
4533	469160.35	3818497.46	4.11E-09	1.59E-08	2.11E-10	2.02E-08	3.42E-09	1.17E-08	1.51E-10	1.53E-08	3.88E-10	2.05E-09	3.60E-11	2.47E-09	3.52E-10	1.07E-09	1.09E-11	1.44E-09
4534	469164.19	3818488.65	4.12E-09	1.60E-08	2.11E-10	2.03E-08	3.43E-09	1.17E-08	1.52E-10	1.53E-08	3.89E-10	2.06E-09	3.61E-11	2.48E-09	3.53E-10	1.08E-09	1.09E-11	1.44E-09
4535	469168.03	3818479.85	4.12E-09	1.60E-08	2.12E-10	2.03E-08	3.43E-09	1.18E-08	1.52E-10	1.53E-08	3.89E-10	2.06E-09	3.61E-11	2.48E-09	3.54E-10	1.08E-09	1.09E-11	1.44E-09
4536	469171.87	3818471.04	4.13E-09	1.60E-08	2.12E-10	2.04E-08	3.44E-09	1.18E-08	1.52E-10	1.54E-08	3.90E-10	2.06E-09	3.62E-11	2.49E-09	3.55E-10	1.08E-09	1.10E-11	1.45E-09
4537	469175.71	3818462.23	4.14E-09	1.60E-08	2.13E-10	2.04E-08	3.45E-09	1.18E-08	1.53E-10	1.54E-08	3.91E-10	2.07E-09	3.63E-11	2.49E-09	3.55E-10	1.08E-09	1.10E-11	1.45E-09
4538	469179.55	3818453.42	4.15E-09	1.61E-08	2.13E-10	2.05E-08	3.46E-09	1.18E-08	1.53E-10	1.54E-08	3.92E-10	2.07E-09	3.64E-11	2.50E-09	3.56E-10	1.08E-09	1.10E-11	1.45E-09
4539	469183.39	3818444.61	4.16E-09	1.61E-08	2.14E-10	2.05E-08	3.46E-09	1.19E-08	1.53E-10	1.55E-08	3.93E-10	2.08E-09	3.65E-11	2.51E-09	3.57E-10	1.09E-09	1.10E-11	1.46E-09
4540	469187.24	3818435.81	4.16E-09	1.61E-08	2.14E-10	2.05E-08	3.47E-09	1.19E-08	1.54E-10	1.55E-08	3.93E-10	2.08E-09	3.65E-11	2.51E-09	3.57E-10	1.09E-09	1.10E-11	1.46E-09
4541	469191.08	3818427	4.17E-09	1.62E-08	2.14E-10	2.06E-08	3.47E-09	1.19E-08	1.54E-10	1.55E-08	3.94E-10	2.08E-09	3.65E-11	2.51E-09	3.58E-10	1.09E-09	1.11E-11	1.46E-09
4542	469206.44	3818391.77	4.22E-09	1.64E-08	2.17E-10	2.08E-08	3.52E-09	1.20E-08	1.56E-10	1.57E-08	3.99E-10	2.11E-09	3.70E-11	2.54E-09	3.62E-10	1.10E-09	1.12E-11	1.48E-09
4543	469210.28	3818382.96	4.24E-09	1.64E-08	2.18E-10	2.09E-08	3.53E-09	1.21E-08	1.56E-10	1.58E-08	4.00E-10	2.11E-09	3.71E-11	2.55E-09	3.64E-10	1.11E-09	1.12E-11	1.48E-09
4544	469214.13	3818374.15	4.25E-09	1.65E-08	2.18E-10	2.10E-08	3.54E-09	1.21E-08	1.57E-10	1.58E-08	4.01E-10	2.12E-09	3.72E-11	2.56E-09	3.65E-10	1.11E-09	1.13E-11	1.49E-09
4545	469217.97	3818365.34	4.27E-09	1.66E-08	2.19E-10	2.10E-08	3.56E-09	1.22E-08	1.57E-10	1.59E-08	4.03E-10	2.13E-09	3.74E-11	2.57E-09	3.66E-10	1.12E-09	1.13E-11	1.49E-09
4546	469221.81	3818356.53	4.29E-09	1.66E-08	2.20E-10	2.11E-08	3.57E-09	1.22E-08	1.58E-10	1.59E-08	4.05E-10	2.14E-09	3.76E-11	2.58E-09	3.68E-10	1.12E-09	1.14E-11	1.50E-09
4547	469225.65	3818347.72	4.31E-09	1.67E-08	2.22E-10	2.13E-08	3.59E-09	1.23E-08	1.59E-10	1.60E-08	4.07E-10	2.15E-09	3.78E-11	2.60E-09	3.70E-10	1.13E-09	1.14E-11	1.51E-09
4548	469229.49	3818338.92	4.33E-09	1.68E-08	2.23E-10	2.14E-08	3.61E-09	1.24E-08	1.60E-10	1.61E-08	4.09E-10	2.16E-09	3.80E-11	2.61E-09	3.72E-10	1.13E-09	1.15E-11	1.52E-09
4549	469242.27	3818326.57	4.43E-09	1.72E-08	2.27E-10	2.18E-08	3.69E-09	1.26E-08	1.63E-10	1.65E-08	4.18E-10	2.21E-09	3.88E-11	2.67E-09	3.80E-10	1.16E-09	1.17E-11	1.55E-09
4550	469251.2	3818323.03	4.50E-09	1.75E-08	2.31E-10	2.22E-08	3.75E-09	1.28E-08	1.66E-10	1.67E-08	4.25E-10	2.25E-09	3.94E-11	2.71E-09	3.86E-10	1.18E-09	1.19E-11	1.58E-09
4551	469260.13	3818319.49	4.58E-09	1.78E-08	2.35E-10	2.26E-08	3.81E-09	1.30E-08	1.69E-10	1.70E-08	4.32E-10	2.29E-09	4.01E-11	2.76E-09	3.93E-10	1.20E-09	1.21E-11	1.60E-09
4552	469269.07	3818315.95	4.65E-09	1.81E-08	2.39E-10	2.29E-08	3.88E-09	1.33E-08	1.72E-10	1.73E-08	4.39E-10	2.32E-09	4.08E-11	2.80E-09	4.00E-10	1.22E-09	1.23E-11	1.63E-09
4553	469278	3818312.42	4.73E-09	1.83E-08	2.43E-10	2.33E-08	3.94E-09	1.35E-08	1.74E-10	1.76E-08	4.47E-10	2.36E-09	4.15E-11	2.85E-09	4.06E-10	1.24E-09	1.25E-11	1.66E-09
4554	469286.94	3818308.88	4.80E-09	1.86E-08	2.47E-10	2.37E-08	4.00E-09	1.37E-08	1.77E-10	1.79E-08	4.54E-10	2.40E-09	4.21E-11	2.89E-09	4.12E-10	1.26E-09	1.27E-11	1.68E-09
4555	469295.87	3818305.34	4.88E-09	1.89E-08	2.51E-10	2.41E-08	4.06E-09	1.39E-08	1.80E-10	1.82E-08	4.61E-10	2.44E-09	4.28E-11	2.94E-09	4.19E-10	1.28E-09	1.29E-11	1.71E-09
4556	469304.8	3818301.8	4.95E-09	1.92E-08	2.54E-10	2.44E-08	4.13E-09	1.41E-08	1.83E-10	1.84E-08	4.68E-10	2.47E-09	4.34E-11	2.98E-09	4.25E-10	1.29E-09	1.31E-11	1.73E-09
4557	469313.74	3818298.26	5.02E-09	1.95E-08	2.58E-10	2.48E-08	4.18E-09	1.43E-08	1.85E-10	1.87E-08	4.74E-10	2.51E-09	4.40E-11	3.03E-09	4.31E-10	1.31E-09	1.33E-11	1.76E-09
4558	469322.67	3818294.72	5.09E-09	1.97E-08	2.62E-10	2.51E-08	4.24E-09	1.45E-08	1.88E-10	1.89E-08	4.81E-10	2.54E-09	4.46E-11	3.07E-09	4.37E-10	1.33E-09	1.35E-11	1.78E-09
4559	469331.61	3818291.19	5.16E-09	2.00E-08	2.65E-10	2.54E-08	4.29E-09	1.47E-08	1.90E-10	1.92E-08	4.87E-10	2.57E-09	4.52E-11	3.11E-09	4.43E-10	1.35E-09	1.37E-11	1.80E-09
4560	469340.54	3818287.65	5.22E-09	2.02E-08	2.68E-10	2.57E-08	4.35E-09	1.49E-08	1.92E-10	1.94E-08	4.93E-10	2.60E-09	4.57E-11	3.14E-09	4.48E-10	1.36E-09	1.38E-11	1.83E-09
4561	469349.47	3818284.11	5.28E-09	2.05E-08	2.71E-10	2.60E-08	4.39E-09	1.50E-08	1.95E-10	1.96E-08	4.98E-10	2.63E-09	4.62E-11	3.18E-09	4.53E-10	1.38E-09	1.40E-11	1.85E-09
4562	469358.41	3818280.57	5.33E-09	2.07E-08	2.74E-10	2.63E-08	4.44E-09	1.52E-08	1.97E-10	1.98E-08	5.04E-10	2.66E-09	4.67E-11	3.21E-09	4.58E-10	1.39E-09	1.41E-11	1.87E-09
4563	469367.34	3818277.03	5.39E-09	2.09E-08	2.77E-10	2.65E-08	4.49E-09	1.53E-08	1.99E-10	2.00E-08	5.09E-10	2.69E-09	4.72E-11	3.24E-09	4.62E-10	1.41E-09	1.43E-11	1.88E-09
4564	469376.28	3818273.49	5.44E-09	2.11E-08	2.79E-10	2.68E-08	4.53E-09	1.55E-08	2.00E-10	2.02E-08	5.13E-10	2.71E-09	4.76E-11	3.27E-09	4.67E-10	1.42E-09	1.44E-11	1.90E-09
4565	469385.21	3818269.96	5.48E-09	2.13E-08	2.82E-10	2.70E-08	4.56E-09	1.56E-08	2.02E-10	2.04E-08	5.17E-10	2.74E-09	4.80E-11	3.30E-09	4.70E-10	1.43E-09	1.45E-11	1.92E-09
4566	469394.14	3818266.42	5.52E-09	2.14E-08	2.84E-10	2.72E-08	4.60E-09	1.57E-08	2.04E-10	2.05E-08	5.22E-10	2.76E-09	4.84E-11	3.33E-09	4.74E-10	1.44E-09	1.46E-11	1.93E-09
4567	469403.08	3818262.88	5.57E-09	2.16E-08	2.86E-10	2.75E-08	4.64E-09	1.59E-08	2.05E-10	2.07E-08	5.26E-10	2.78E-09	4.88E-11	3.36E-09	4.78E-10	1.46E-09	1.48E-11	1.95E-09
4568	469412.01	3818259.34	5.61E-09	2.18E-08	2.88E-10	2.77E-08	4.68E-09	1.60E-08	2.07E-10	2.09E-08	5.30E-10	2.80E-09	4.92E-11	3.38E-09	4.82E-10	1.47E-09	1.49E-11	1.96E-09
4569	469420.95	3818255.8	5.66E-09	2.19E-08	2.91E-10	2.79E-08	4.71E-09	1.61E-08	2.09E-10	2.10E-08	5.34E-10	2.82E-09	4.96E-11	3.41E-09	4.86E-10	1.48E-09	1.50E-11	1.98E-09
4570	469429.88	3818252.26	5.69E-09	2.21E-08	2.92E-10	2.81E-08	4.74E-09	1.62E-08	2.10E-10	2.12E-08	5.37E-10	2.84E-09	4.99E-11	3.43E-09	4.89E-10	1.49E-09	1.51E-11	1.99E-09
4571	469438.81	3818248.72	5.72E-09	2.22E-08	2.94E-10	2.82E-08	4.77E-09	1.63E-08	2.11E-10	2.13E-08	5.40E-10	2.86E-09	5.02E-11	3.45E-09	4.91E-10	1.50E-09	1.52E-11	2.00E-09
4572	469447.75	3818245.19	5.76E-09	2.23E-08	2.96E-10	2.84E-08	4.79E-09	1.64E-08	2.12E-10	2.14E-08	5.44E-10	2.87E-09	5.04E-11	3.47E-09	4.94E-10	1.50E-09	1.53E-11	2.01E-09
4573	469456.68	3818241.65	5.79E-09	2.25E-08	2.97E-10	2.85E-08	4.82E-09	1.65E-08	2.13E-10	2.15E-08	5.47E-10	2.89E-09	5.07E-11	3.49E-09	4.97E-10	1.51E-09	1.53E-11	2.03E-09
4574	469465.62	3818238.11	5.82E-09	2.26E-08	2.99E-10	2.87E-08	4.85E-09	1.66E-08	2.15E-10	2.17E-08	5.50E-10	2.91E-09	5.10E-11	3.51E-09	5.00E-10	1.52E-09	1.54E-11	2.04E-09
4575	469474.55	3818234.57	5.85E-09	2.27E-08	3.01E-10	2.88E-08	4.87E-09	1.67E-08	2.16E-10	2.18E-08	5.52E-10	2.92E-09	5.13E-11	3.52E-09	5.02E-10	1.53E-09	1.55E-11	2.05E-09
4576	469483.49	3818231.03	5.89E-09	2.28E-08	3.02E-10	2.90E-08	4.90E-09	1.68E-08	2.17E-10	2.19E-08	5.56E-10	2.94E-09	5.16E-11	3.55E-09	5.05E-10	1.54E-09	1.56E-11	2.06E-09
4577	469492.42	3818227.49	5.93E-09	2.30E-08	3.05E-10	2.92E-08	4.94E-09	1.69E-08	2.19E-10	2.21E-08	5.60E-10	2.96E-09	5.20E-11	3.57E-09	5.09E-10	1.55E-09	1.57E-11	2.08E-09
4578	469501.35	3818223.96	5.97E-09	2.32E-08	3.07E-10	2.95E-08	4.98E-09	1.70E-08	2.20E-10	2.22E-08	5.64E-10	2.98E-09	5.24E-11	3.60E-09	5.13E-10	1.56E-09	1.58E-11	2.09E-09
4579	469510.29	3818220.42	6.02E-09	2.34E-08	3.09E-10	2.97E-08	5.02E-09	1.72E-08	2.22E-10	2.24E-08	5.69E-10	3.01E-09	5.28E-11	3.63E-09	5.17E-10	1.57E-09	1.60E-11	2.11E-09
4580	469519.22	3818216.88	6.06E-09	2.35E-08	3.11E-10	2.99E-08	5.05E-09	1.73E-08	2.23E-10	2.25E-08	5.72E-10	3.02E-09	5.31E-11	3.65E-09	5.20E-10	1.58E-09	1.61E-11	2.12E-09
4581	469528.16	3818213.34	6.10E-09	2.36E-08	3.13E-10	3.01E-08	5.08E-09	1.74E-08	2.25E-10	2.27E-08	5.76E-10	3.04E-09	5.34E-11	3.67E-09	5.23E-10	1.59E-09	1.62E-11	2.13E-09
4582	469537.09	3818209.8	6.14E-09	2.38E-08	3.16E-10	3.03E-08	5.12E-09	1.75E-08	2.26E-10	2.28E-08	5.80E-10	3.07E-09	5.38E-11	3.70E-09	5.27E-10	1.61E-09	1.63E-11	2.15E-09
4583	469546.02	3818206.26	6.18E-09	2.40E-08	3.18E-10	3.05E-08	5.15E-09	1.76E-08	2.28E-10	2.30E-08	5.84E-10	3.09E-09	5.42E-11	3.73E-09	5.31E-10	1.62E-09	1.64E-11	2.16E-09
4584	469554.96	3818202.73	6.23E-09	2.42E-08	3.20E-10	3.07E-08	5.19E-09	1.78E-08	2.30E-10	2.32E-08	5.88E-10	3.11E-09	5.46E-11	3.75E-09	5.35E-10	1.63E-09	1.65E-11	2.18E-09
4585	469563.89	3818199.19	6.28E-09	2.43E-08	3.22E-10	3.09E-08	5.23E-09	1.79E-08	2.31E-10	2.33E-08	5.93E-10	3.13E-09	5.50E-11	3.78E-09	5.39E-10	1.64E-09	1.66E-11	2.20E-09
4586	469572.83	3818195.65	6.32E-09	2.45E-08	3.25E-10	3.12E-08	5.27E-09	1.80E-08	2.33E-10	2.35E-08	5.97E-10	3.16E-09	5.54E-11	3.81E-09	5.43E-10	1.65E-09	1.68E-11	2.21E-09
4587	469581.76	3818192.11	6.38E-09	2.47E-08	3.28E-10	3.15E-08	5.32E-09	1.82E-08	2.35E-10	2.37E-08	6.03E-10	3.19E-09	5.59E-11	3.84E-09	5.48E-10	1.67E-09	1.69E-11	2.23E-09
4588	469590.69	3818188.57	6.44E-09	2.50E-08	3.31E-10	3.17E-08	5.36E-09	1.83E-08	2.37E-10	2.39E-08	6.08E-10	3.21E-09	5.64E-11	3.88E-09	5.52E-10	1.68E-09	1.71E-11	2.25E-09
4589	469599.63	3818185.03	6.49E-09	2.52E-08	3.34E-10	3.20E-08	5.41E-09	1.85E-08	2.39E-10	2.42E-08	6.13E-10	3.24E-09	5.69E-11	3.91E-09	5.57E-10	1.70E-09	1.72E-11	2.27E-09
4590	469608.56	3818181.49	6.54E-09	2.54E-08	3.36E-10	3.22E-08	5.45E-09	1.86E-08	2.41E-10	2.43E-08	6.18E-10	3.27E-09	5.73E-11	3.94E-09	5.62E-10	1.71E-09	1.73E-11	2.29E-09
4591	469617.5	3818177.96	6.59E-09	2.56E-08	3.39E-10	3.25E-08	5.49E-09	1.88E-08	2.43E-10	2.45E-08	6.23E-10	3.29E-09	5.78E-11	3.97E-09	5.66E-10	1.72E-09	1.75E-11	2.31E-09
4592	469626.43	3818174.42	6.64E-09	2.58E-08	3.41E-10	3.27E-08	5.53E-09	1.89E-08	2.45E-10	2.47E-08	6.27E-10	3.31E-09	5.82E-11	4.00E-09	5.70E-10	1.74E-09	1.76E-11	2.32E-09
4593	469635.36	3818170.88	6.69E-09	2.59E-08	3.44E-10	3.30E-08	5.57E-09	1.91E-08	2.47E-10	2.49E-08	6.32E-10	3.34E-09	5.86E-11	4.03E-09	5.74E-10	1.75E-09	1.77E-11	2.34E-09
4594	469644.3	3818167.34	6.74E-09	2.61E-08	3.46E-10	3.32E-08	5.61E-09	1.92E-08	2.48E-10	2.51E-08	6.36E-10	3.36E-09	5.90E-11	4.06E-09	5.78E-10	1.76E-09	1.79E-11	2.36E-09
4595	469653.23	3818163.8	6.78E-09	2.63E-08	3.49E-10	3.34E-08	5.65E-09	1.93E-08	2.50E-10	2.52E-08	6.41E-10	3.39E-09	5.95E-11	4.09E-09	5.82E-10	1.77E-09	1.80E-11	2.37E-09
4596	469662.17	3818160.26	6.83E-09	2.65E-08	3.51E-10	3.37E-08	5.69E-09	1.95E-08	2.52E-10	2.54E-08	6.45E-10	3.41E-09	5.99E-11	4.12E-09	5.87E-10	1.79E-09	1.81E-11	2.39E-09
4597	469671.1	3818156.73	6.88E-09	2.67E-08	3.53E-10	3.39E-08	5.73E-09	1.96E-08	2.54E-10	2.56E-08	6.50E-10	3.43E-09	6.03E-11	4.14E-09	5.91E-10	1.80E-09	1.82E-11	2.41E-09
4598	469680.03	3818153.19	6.92E-09	2.69E-08	3.56E-10	3.41E-08	5.77E-09	1.97E-08	2.55E-10	2.58E-08	6.54E-10	3.46E-09	6.07E-11	4.17E-09	5.94E-10	1.81E-09	1.84E-11	2.42E-09
4599	469715.77	3818139.03	7.08E-09	2.75E-08	3.64E-10	3.49E-08	5.90E-09	2.02E-08	2.61E-10	2.63E-08	6.69E-10	3.54E-09	6.21E-11	4.27E-09	6.08E-10	1.85E-09	1.88E-11	2.48E-09
4600	469724.7	3818135.49	7.12E-09	2.76E-08	3.66E-10	3.51E-08	5.93E-09	2.03E-08	2.62E-10	2.65E-08	6.72E-10	3.55E-09	6.24E-11	4.29E-09	6.11E-10	1.86E-09	1.89E-11	2.49E-09
4601	469733.64	3818131.96	7.14E-09	2.77E-08	3.67E-10	3.52E-08	5.95E-09	2.04E-08	2.63E-10	2.66E-08	6.74E-10	3.57E-09	6.26E-11	4.30E-09	6.13E-10	1.87E-09	1.89E-11	2.50E-09
4602	469742.57	3818128.42	7.17E-09	2.78E-08	3.68E-10	3.53E-08	5.97E-09	2.04E-08	2.64E-10	2.67E-08	6.77E-10	3.58E-09	6.28E-11	4.32E-09	6.15E-10	1.87E-09	1.90E-11	2.51E-09
4603	469751.51	3818124.88	7.19E-09	2.79E-08	3.69E-10	3.54E-08	5.99E-09	2.05E-08	2.65E-10	2.67E-08	6.79E-10	3.59E-09	6.30E-11	4.33E-09	6.17E-10	1.88E-09	1.91E-11	2.52E-09
4604	469760.44	3818121.34	7.21E-09	2.80E-08	3.71E-10	3.56E-08	6.01E-09	2.06E-08	2.66E-10	2.68E-08	6.81E-10	3.60E-09	6.32E-11	4.35E-09	6.19E-10	1.89E-09	1.91E-11	2

4605	469769.37	3818117.8	7.24E-09	2.81E-08	3.72E-10	3.57E-08	6.03E-09	2.06E-08	2.67E-10	2.69E-08	6.83E-10	3.61E-09	6.34E-11	4.36E-09	6.21E-10	1.89E-09	1.92E-11	2.53E-09
4606	469778.31	3818114.26	7.26E-09	2.81E-08	3.73E-10	3.58E-08	6.05E-09	2.07E-08	2.68E-10	2.70E-08	6.85E-10	3.62E-09	6.36E-11	4.37E-09	6.23E-10	1.90E-09	1.92E-11	2.54E-09
4607	469787.24	3818110.73	7.28E-09	2.82E-08	3.74E-10	3.59E-08	6.06E-09	2.07E-08	2.68E-10	2.71E-08	6.87E-10	3.63E-09	6.38E-11	4.38E-09	6.25E-10	1.90E-09	1.93E-11	2.55E-09
4608	469796.18	3818107.19	7.29E-09	2.83E-08	3.75E-10	3.59E-08	6.07E-09	2.08E-08	2.69E-10	2.71E-08	6.88E-10	3.64E-09	6.39E-11	4.39E-09	6.26E-10	1.91E-09	1.93E-11	2.55E-09
4609	469805.11	3818103.65	7.31E-09	2.83E-08	3.76E-10	3.60E-08	6.09E-09	2.08E-08	2.70E-10	2.72E-08	6.90E-10	3.65E-09	6.40E-11	4.40E-09	6.27E-10	1.91E-09	1.94E-11	2.56E-09
4610	469814.05	3818100.11	7.33E-09	2.84E-08	3.77E-10	3.61E-08	6.11E-09	2.09E-08	2.70E-10	2.73E-08	6.92E-10	3.66E-09	6.42E-11	4.42E-09	6.29E-10	1.92E-09	1.94E-11	2.56E-09
4611	469822.98	3818096.57	7.35E-09	2.85E-08	3.78E-10	3.62E-08	6.12E-09	2.09E-08	2.71E-10	2.73E-08	6.94E-10	3.67E-09	6.44E-11	4.43E-09	6.31E-10	1.92E-09	1.95E-11	2.57E-09
4612	469831.91	3818093.03	7.37E-09	2.86E-08	3.79E-10	3.63E-08	6.14E-09	2.10E-08	2.72E-10	2.74E-08	6.96E-10	3.68E-09	6.46E-11	4.44E-09	6.32E-10	1.93E-09	1.95E-11	2.58E-09
4613	469840.85	3818089.5	7.39E-09	2.87E-08	3.80E-10	3.64E-08	6.15E-09	2.11E-08	2.72E-10	2.75E-08	6.98E-10	3.69E-09	6.47E-11	4.45E-09	6.34E-10	1.93E-09	1.96E-11	2.59E-09
4614	469849.78	3818085.96	7.40E-09	2.87E-08	3.80E-10	3.65E-08	6.17E-09	2.11E-08	2.73E-10	2.75E-08	6.99E-10	3.70E-09	6.49E-11	4.46E-09	6.36E-10	1.94E-09	1.96E-11	2.59E-09
4615	469858.72	3818082.42	7.42E-09	2.88E-08	3.81E-10	3.66E-08	6.18E-09	2.12E-08	2.74E-10	2.76E-08	7.01E-10	3.71E-09	6.51E-11	4.47E-09	6.37E-10	1.94E-09	1.97E-11	2.60E-09
4616	469867.65	3818078.88	7.45E-09	2.89E-08	3.83E-10	3.67E-08	6.20E-09	2.12E-08	2.75E-10	2.77E-08	7.03E-10	3.72E-09	6.53E-11	4.49E-09	6.39E-10	1.95E-09	1.97E-11	2.61E-09
4617	469876.58	3818075.34	7.48E-09	2.90E-08	3.84E-10	3.69E-08	6.23E-09	2.13E-08	2.76E-10	2.78E-08	7.06E-10	3.73E-09	6.55E-11	4.50E-09	6.42E-10	1.95E-09	1.98E-11	2.62E-09
4618	469885.52	3818071.8	7.51E-09	2.91E-08	3.86E-10	3.70E-08	6.25E-09	2.14E-08	2.77E-10	2.79E-08	7.09E-10	3.75E-09	6.58E-11	4.52E-09	6.45E-10	1.96E-09	1.99E-11	2.63E-09
4619	469894.45	3818068.26	7.54E-09	2.92E-08	3.87E-10	3.72E-08	6.28E-09	2.15E-08	2.78E-10	2.81E-08	7.12E-10	3.77E-09	6.61E-11	4.54E-09	6.47E-10	1.97E-09	2.00E-11	2.64E-09
4620	469903.39	3818064.73	7.58E-09	2.94E-08	3.89E-10	3.74E-08	6.31E-09	2.16E-08	2.79E-10	2.82E-08	7.16E-10	3.78E-09	6.64E-11	4.57E-09	6.51E-10	1.98E-09	2.01E-11	2.65E-09
4621	469912.32	3818061.19	7.62E-09	2.95E-08	3.91E-10	3.76E-08	6.34E-09	2.17E-08	2.81E-10	2.83E-08	7.19E-10	3.80E-09	6.68E-11	4.59E-09	6.54E-10	1.99E-09	2.02E-11	2.67E-09
4622	469921.25	3818057.65	7.67E-09	2.97E-08	3.94E-10	3.78E-08	6.39E-09	2.19E-08	2.83E-10	2.85E-08	7.24E-10	3.83E-09	6.72E-11	4.62E-09	6.58E-10	2.00E-09	2.03E-11	2.68E-09
4623	469930.19	3818054.11	7.72E-09	3.00E-08	3.97E-10	3.81E-08	6.43E-09	2.20E-08	2.85E-10	2.87E-08	7.29E-10	3.86E-09	6.77E-11	4.65E-09	6.63E-10	2.02E-09	2.05E-11	2.70E-09
4624	469939.12	3818050.57	7.76E-09	3.01E-08	3.99E-10	3.83E-08	6.47E-09	2.21E-08	2.86E-10	2.89E-08	7.33E-10	3.88E-09	6.80E-11	4.68E-09	6.66E-10	2.03E-09	2.06E-11	2.72E-09
4625	469948.06	3818047.03	7.80E-09	3.03E-08	4.01E-10	3.85E-08	6.50E-09	2.22E-08	2.88E-10	2.90E-08	7.37E-10	3.90E-09	6.84E-11	4.70E-09	6.70E-10	2.04E-09	2.07E-11	2.73E-09
4626	469956.99	3818043.5	7.85E-09	3.04E-08	4.03E-10	3.87E-08	6.54E-09	2.24E-08	2.89E-10	2.92E-08	7.41E-10	3.92E-09	6.88E-11	4.73E-09	6.74E-10	2.05E-09	2.08E-11	2.75E-09
4627	469965.92	3818039.96	7.90E-09	3.06E-08	4.06E-10	3.89E-08	6.58E-09	2.25E-08	2.91E-10	2.94E-08	7.46E-10	3.94E-09	6.92E-11	4.76E-09	6.78E-10	2.06E-09	2.09E-11	2.76E-09
4628	469974.86	3818036.42	7.95E-09	3.08E-08	4.09E-10	3.92E-08	6.62E-09	2.27E-08	2.93E-10	2.96E-08	7.51E-10	3.97E-09	6.97E-11	4.79E-09	6.83E-10	2.08E-09	2.11E-11	2.78E-09
4629	469983.79	3818032.88	8.01E-09	3.11E-08	4.12E-10	3.95E-08	6.67E-09	2.28E-08	2.95E-10	2.98E-08	7.56E-10	4.00E-09	7.02E-11	4.83E-09	6.88E-10	2.09E-09	2.12E-11	2.80E-09
4630	469992.73	3818029.34	8.07E-09	3.13E-08	4.15E-10	3.98E-08	6.72E-09	2.30E-08	2.98E-10	3.00E-08	7.62E-10	4.03E-09	7.07E-11	4.86E-09	6.93E-10	2.11E-09	2.14E-11	2.82E-09
4631	470001.66	3818025.8	8.12E-09	3.15E-08	4.17E-10	4.00E-08	6.76E-09	2.31E-08	2.99E-10	3.02E-08	7.66E-10	4.05E-09	7.11E-11	4.89E-09	6.97E-10	2.12E-09	2.15E-11	2.84E-09
4632	470010.59	3818022.27	8.16E-09	3.17E-08	4.19E-10	4.02E-08	6.80E-09	2.33E-08	3.01E-10	3.04E-08	7.71E-10	4.08E-09	7.15E-11	4.92E-09	7.01E-10	2.13E-09	2.16E-11	2.86E-09
4633	470019.53	3818018.73	8.21E-09	3.18E-08	4.22E-10	4.05E-08	6.84E-09	2.34E-08	3.03E-10	3.05E-08	7.75E-10	4.10E-09	7.19E-11	4.95E-09	7.05E-10	2.15E-09	2.18E-11	2.87E-09
4634	470046.33	3818008.11	8.32E-09	3.23E-08	4.27E-10	4.10E-08	6.93E-09	2.37E-08	3.07E-10	3.09E-08	7.86E-10	4.15E-09	7.29E-11	5.01E-09	7.14E-10	2.17E-09	2.21E-11	2.91E-09
4635	470055.26	3818004.57	8.34E-09	3.24E-08	4.29E-10	4.11E-08	6.95E-09	2.38E-08	3.08E-10	3.10E-08	7.88E-10	4.17E-09	7.31E-11	5.03E-09	7.16E-10	2.18E-09	2.21E-11	2.92E-09
4636	470064.2	3818001.03	8.37E-09	3.24E-08	4.30E-10	4.12E-08	6.97E-09	2.38E-08	3.09E-10	3.11E-08	7.90E-10	4.18E-09	7.33E-11	5.04E-09	7.18E-10	2.19E-09	2.22E-11	2.93E-09
4637	470073.13	3817997.5	8.38E-09	3.25E-08	4.30E-10	4.13E-08	6.98E-09	2.39E-08	3.09E-10	3.12E-08	7.91E-10	4.18E-09	7.34E-11	5.05E-09	7.19E-10	2.19E-09	2.22E-11	2.93E-09
4638	470082.07	3817993.96	8.38E-09	3.25E-08	4.31E-10	4.13E-08	6.98E-09	2.39E-08	3.09E-10	3.12E-08	7.92E-10	4.19E-09	7.35E-11	5.05E-09	7.20E-10	2.19E-09	2.22E-11	2.93E-09
4639	470091	3817990.42	8.38E-09	3.25E-08	4.31E-10	4.13E-08	6.98E-09	2.39E-08	3.09E-10	3.12E-08	7.92E-10	4.19E-09	7.35E-11	5.05E-09	7.20E-10	2.19E-09	2.22E-11	2.93E-09
4640	470099.93	3817986.88	8.37E-09	3.25E-08	4.30E-10	4.13E-08	6.97E-09	2.39E-08	3.09E-10	3.11E-08	7.90E-10	4.18E-09	7.33E-11	5.04E-09	7.19E-10	2.19E-09	2.22E-11	2.93E-09
4641	470108.87	3817983.34	8.35E-09	3.24E-08	4.29E-10	4.12E-08	6.95E-09	2.38E-08	3.08E-10	3.11E-08	7.88E-10	4.17E-09	7.32E-11	5.03E-09	7.17E-10	2.18E-09	2.21E-11	2.92E-09
4642	470117.8	3817979.8	8.32E-09	3.23E-08	4.27E-10	4.10E-08	6.93E-09	2.37E-08	3.07E-10	3.09E-08	7.85E-10	4.15E-09	7.29E-11	5.01E-09	7.14E-10	2.17E-09	2.20E-11	2.91E-09
4643	468848.82	3819230.21	2.33E-09	9.03E-09	1.20E-10	1.15E-08	1.94E-09	6.63E-09	8.58E-11	8.66E-09	2.20E-10	1.16E-09	2.04E-11	1.40E-09	2.00E-10	6.08E-10	6.17E-12	8.14E-10
4644	468848.62	3819239.86	2.37E-09	9.18E-09	1.22E-10	1.17E-08	1.97E-09	6.75E-09	8.73E-11	8.80E-09	2.24E-10	1.18E-09	2.07E-11	1.43E-09	2.03E-10	6.19E-10	6.27E-12	8.28E-10
4645	468848.43	3819249.51	2.41E-09	9.35E-09	1.24E-10	1.19E-08	2.01E-09	6.87E-09	8.89E-11	8.97E-09	2.28E-10	1.20E-09	2.11E-11	1.45E-09	2.07E-10	6.30E-10	6.39E-12	8.44E-10
4646	468848.24	3819259.16	2.45E-09	9.50E-09	1.26E-10	1.21E-08	2.04E-09	6.98E-09	9.04E-11	9.12E-09	2.31E-10	1.22E-09	2.15E-11	1.48E-09	2.10E-10	6.41E-10	6.50E-12	8.58E-10
4647	468848.04	3819268.81	2.49E-09	9.65E-09	1.28E-10	1.23E-08	2.07E-09	7.09E-09	9.17E-11	9.25E-09	2.35E-10	1.24E-09	2.18E-11	1.50E-09	2.14E-10	6.50E-10	6.59E-12	8.70E-10
4648	468847.85	3819278.45	2.53E-09	9.80E-09	1.30E-10	1.25E-08	2.10E-09	7.20E-09	9.32E-11	9.40E-09	2.39E-10	1.26E-09	2.21E-11	1.52E-09	2.17E-10	6.61E-10	6.70E-12	8.84E-10
4649	468847.66	3819288.1	2.56E-09	9.94E-09	1.32E-10	1.26E-08	2.14E-09	7.31E-09	9.45E-11	9.54E-09	2.42E-10	1.28E-09	2.25E-11	1.54E-09	2.20E-10	6.70E-10	6.80E-12	8.97E-10
4650	468847.46	3819297.75	2.60E-09	1.01E-08	1.34E-10	1.28E-08	2.17E-09	7.42E-09	9.60E-11	9.68E-09	2.46E-10	1.30E-09	2.28E-11	1.57E-09	2.23E-10	6.81E-10	6.90E-12	9.11E-10
4651	468847.27	3819307.4	2.64E-09	1.02E-08	1.35E-10	1.30E-08	2.20E-09	7.51E-09	9.72E-11	9.81E-09	2.49E-10	1.32E-09	2.31E-11	1.59E-09	2.26E-10	6.89E-10	6.99E-12	9.22E-10
4652	468847.08	3819317.05	2.67E-09	1.04E-08	1.37E-10	1.32E-08	2.23E-09	7.62E-09	9.86E-11	9.94E-09	2.52E-10	1.33E-09	2.34E-11	1.61E-09	2.29E-10	6.99E-10	7.08E-12	9.35E-10
4653	468846.88	3819326.69	2.70E-09	1.05E-08	1.39E-10	1.33E-08	2.25E-09	7.70E-09	9.96E-11	1.00E-08	2.55E-10	1.35E-09	2.37E-11	1.63E-09	2.32E-10	7.06E-10	7.16E-12	9.45E-10
4654	468846.69	3819336.34	2.73E-09	1.06E-08	1.40E-10	1.35E-08	2.27E-09	7.78E-09	1.01E-10	1.02E-08	2.58E-10	1.36E-09	2.39E-11	1.65E-09	2.34E-10	7.14E-10	7.24E-12	9.56E-10
4655	468846.5	3819345.99	2.76E-09	1.07E-08	1.42E-10	1.36E-08	2.30E-09	7.85E-09	1.02E-10	1.03E-08	2.60E-10	1.38E-09	2.42E-11	1.66E-09	2.37E-10	7.20E-10	7.31E-12	9.64E-10
4656	468846.3	3819355.64	2.78E-09	1.08E-08	1.43E-10	1.37E-08	2.32E-09	7.93E-09	1.03E-10	1.03E-08	2.63E-10	1.39E-09	2.44E-11	1.68E-09	2.39E-10	7.27E-10	7.37E-12	9.73E-10
4657	468846.11	3819365.29	2.80E-09	1.09E-08	1.44E-10	1.38E-08	2.34E-09	7.99E-09	1.03E-10	1.04E-08	2.65E-10	1.40E-09	2.46E-11	1.69E-09	2.41E-10	7.33E-10	7.43E-12	9.81E-10
4658	468845.92	3819374.94	2.83E-09	1.10E-08	1.45E-10	1.39E-08	2.35E-09	8.05E-09	1.04E-10	1.05E-08	2.67E-10	1.41E-09	2.48E-11	1.70E-09	2.43E-10	7.39E-10	7.49E-12	9.89E-10
4659	468845.73	3819384.58	2.85E-09	1.10E-08	1.46E-10	1.40E-08	2.37E-09	8.11E-09	1.05E-10	1.06E-08	2.69E-10	1.42E-09	2.49E-11	1.72E-09	2.44E-10	7.44E-10	7.55E-12	9.96E-10
4660	468845.53	3819394.23	2.87E-09	1.11E-08	1.47E-10	1.41E-08	2.39E-09	8.17E-09	1.06E-10	1.07E-08	2.71E-10	1.43E-09	2.51E-11	1.73E-09	2.46E-10	7.49E-10	7.60E-12	1.00E-09
4661	468845.34	3819403.88	2.88E-09	1.12E-08	1.48E-10	1.42E-08	2.40E-09	8.22E-09	1.06E-10	1.07E-08	2.72E-10	1.44E-09	2.53E-11	1.74E-09	2.48E-10	7.54E-10	7.64E-12	1.01E-09
4662	468845.15	3819413.53	2.90E-09	1.13E-08	1.49E-10	1.43E-08	2.42E-09	8.27E-09	1.07E-10	1.08E-08	2.74E-10	1.45E-09	2.54E-11	1.75E-09	2.49E-10	7.58E-10	7.69E-12	1.02E-09
4663	468844.95	3819423.18	2.92E-09	1.13E-08	1.50E-10	1.44E-08	2.43E-09	8.31E-09	1.08E-10	1.08E-08	2.75E-10	1.46E-09	2.56E-11	1.76E-09	2.50E-10	7.62E-10	7.73E-12	1.02E-09
4664	469127.64	3818387.47	3.68E-09	1.43E-08	1.89E-10	1.82E-08	3.07E-09	1.05E-08	1.36E-10	1.37E-08	3.48E-10	1.84E-09	3.23E-11	2.22E-09	3.16E-10	9.63E-10	9.76E-12	1.29E-09
4665	469131.49	3818378.63	3.69E-09	1.43E-08	1.89E-10	1.82E-08	3.07E-09	1.05E-08	1.36E-10	1.37E-08	3.48E-10	1.84E-09	3.23E-11	2.22E-09	3.17E-10	9.64E-10	9.77E-12	1.29E-09
4666	469135.34	3818369.79	3.69E-09	1.43E-08	1.89E-10	1.82E-08	3.07E-09	1.05E-08	1.36E-10	1.37E-08	3.48E-10	1.84E-09	3.23E-11	2.22E-09	3.17E-10	9.64E-10	9.77E-12	1.29E-09
4667	469139.2	3818360.95	3.69E-09	1.43E-08	1.90E-10	1.82E-08	3.07E-09	1.05E-08	1.36E-10	1.37E-08	3.49E-10	1.84E-09	3.23E-11	2.22E-09	3.17E-10	9.65E-10	9.78E-12	1.29E-09
4668	469143.05	3818352.12	3.70E-09	1.44E-08	1.90E-10	1.82E-08	3.08E-09	1.05E-08	1.37E-10	1.38E-08	3.50E-10	1.85E-09	3.24E-11	2.23E-09	3.18E-10	9.68E-10	9.81E-12	1.30E-09
4669	469146.91	3818343.28	3.71E-09	1.44E-08	1.91E-10	1.83E-08	3.09E-09	1.06E-08	1.37E-10	1.38E-08	3.51E-10	1.85E-09	3.25E-11	2.24E-09	3.19E-10	9.70E-10	9.84E-12	1.30E-09
4670	469150.76	3818334.44	3.73E-09	1.45E-08	1.91E-10	1.84E-08	3.10E-09	1.06E-08	1.37E-10	1.39E-08	3.52E-10	1.86E-09	3.27E-11	2.25E-09	3.20E-10	9.74E-10	9.88E-12	1.30E-09
4671	469154.61	3818325.61	3.74E-09	1.45E-08	1.92E-10	1.84E-08	3.12E-09	1.07E-08	1.38E-10	1.39E-08	3.53E-10	1.87E-09	3.28E-11	2.25E-09	3.21E-10	9.78E-10	9.92E-12	1.31E-09
4672	469158.47	3818316.77	3.76E-09	1.46E-08	1.93E-10	1.85E-08	3.13E-09	1.07E-08	1.39E-10	1.40E-08	3.55E-10	1.88E-09	3.29E-11	2.27E-09	3.23E-10	9.83E-10	9.97E-12	1.32E-09
4673	469162.32	3818307.93	3.78E-09	1.47E-08	1.94E-10	1.86E-08	3.15E-09	1.08E-08	1.39E-10	1.41E-08	3.57E-10	1.89E-09	3.31E-11	2.28E-09	3.24E-10	9.88E-10	1.00E-11	1.32E-09
4674	469166.18	3818299.09	3.80E-09	1.47E-08	1.95E-10	1.87E-08	3.16E-09	1.08E-08	1.40E-10	1.41E-08	3.59E-10	1.90E-09	3.33E-11	2.29E-09	3.26E-10	9.93E-10	1.01E-11	1.33E-09
4675	469170.03	3818290.26	3.82E-09	1.48E-08	1.96E-10	1.88E-08	3.18E-09	1.09E-08	1.41E-10	1.42E-08	3.61E-10	1.91E-09	3.35E-11	2.30E-09	3.28E-10	9.98E-10	1.01E-11	1.34E-09
4676	469173.88	3818281.42	3.83E-09	1.49E-08	1.97E-10	1.89E-08	3.19E-09	1.09E-08	1.41E-10	1.43E-08	3.62E-10	1.91E-09	3.36E-11	2.31E-09	3.29E-10	1.00E-09	1.02E-11	1.34E-09
4677	469186.7	3818269.03	3.91E-09	1.52E-08	2.01E-10	1.93E-08	3.26E-09	1.11E-08	1.44E-10	1.45E-08	3.69E-10	1.95E-09	3.43E-11	2.35E-09	3.36E-10	1.02E-09	1.04E-11	1.37E-09
4678	469195.66	3818265.48	3.97E-09	1.54E-08	2.04E-10	1.96E-08	3.31E-09	1.13E-08	1.47E-10	1.48E-08	3.75E-10	1.98E-09	3.48E-11	2.39E-09	3.41E-10	1.04E-09	1.05E-11	1.39E-09
4679	469204.63	3818261.93	4.04E-09	1.57E-08	2.08E-10	1.99E-08	3.36E-09	1.15E-08	1.49E-10	1.50E-08	3.81E-10	2.02E-09	3.54E-11	2.43E-09	3.47E-10	1.06E-09	1.07E-11	1.41E-09
4680	469213.59	3818258.38	4.11E-09	1.59E-08	2.11E-10	2.03E-08	3.42E-09	1.17E-08	1.52E-10	1.53E-08	3.88E-10	2.05E-09	3.60E-11	2.48E-09	3.53E-10	1.07E-09	1.09E-11	1.44E-09
4681	469222.55	3818254.83	4.18E-09	1.62E-08	2.15E-10	2.06E-08	3.48E-09	1.19E-08	1.54E-10	1.55E-08	3.95E-10	2.09E-09	3.66E-11	2.52E-09	3.59E-10	1.09E-09	1.11E-11	1.46E-09
4682	469231.52	3818251.28	4.25E-09	1.65E-08	2.18E-10	2.09E-08	3.54E-09	1.21E-08	1.57E-10	1.58E-08	4.01E-10	2.12E-09	3.72E-11	2.56E-09	3.65E-10	1.11E-09	1.13E-11	1.49E-09
4683	469240.48	3818247.73	4.31E-09	1.67E-08	2.22E-10	2.13E-08	3.59E-09	1.23E-08	1.59E-10	1.60E-08	4.07E-10	2.15E-09	3.78E-11	2.60E-09	3.70E-10	1.13E-09	1.14E-11	1.51E-09
4684	469249.44	3818244.18	4.37E-09	1.70E-08	2.25E-10	2.16E-08	3.64E-09	1.25E-08	1.61E-10	1.63E-08	4.13E-10	2.18E-09	3.83E-11	2.64E-09	3.76E-10	1.14E-09	1.16E-11	1.53E-09
4685	469258.41	3818240.63	4.43E-09	1.72E-08	2.28E-10	2.19E-08	3.69E-09	1.26E-08	1.63E-10	1.65E-08	4.19E-10	2.21E-09	3.88E-11	2.67E-09	3.80E-10	1.16E-09	1.18E-11	1.55E-09
4686	469267.37	3818237.08	4.49E-09	1.74E-08	2.31E-10	2.21E-08	3.74E-09	1.28E-08	1.66E-10	1.67E-08	4.24E-10	2.24E-09	3.94E-11	2.71E-09	3.85E-10	1.17E-09	1.19E-11	1.57E-09
4687	469276.34	3818233.53	4.55E-09	1.77E-08	2.34E-10	2.24E-08	3.79E-09	1.30E-08	1.68E-10	1.69E-08	4.30E-10	2.27E-09	3.99E-11	2.74E-09	3.91E-10	1.19E-09	1.21E-11	1.59E-09
4688	469285.3	3818229.98	4.61E-09	1.79E-08	2.37E-10	2.27E-08	3.84E-09	1.31E-08	1.70E-10	1.71E-08	4.35E-10	2.30E-09	4.04E-11	2.78E-09	3.96E-10	1.21E-09	1.22E-11	1.61E-09
4689	469294.26	3818226.43	4.67E-09	1.81E-08	2.40E-10	2.30E-08	3.89E-09	1.33E-08	1.72E-10	1.74E-08	4.41E-10	2.33E-09	4.09E-11	2.81E-09	4.00E-10	1.22E-09	1.24E-11	1.63E-09
4690	469303.23	3818222.88	4.72E-09	1.83E-08	2.42E-10	2.32E-08	3.93E-09	1.34E-08	1.74E-10	1.75E-08	4.45E-10	2.35E-09	4.13E-11	2.84E-09	4.05E-10	1.23E-09	1.25E-11	1.65E-09
4691	469312.19	3818219.33	4.76E-09	1.85E-08	2.45E-10	2.35E-08	3.97E-09	1.36E-08	1.76E-10	1.77E-08	4.50E-10	2.38E-09	4.17E-11	2.87E-09	4.09E-10	1.25E-09	1.26E-11	1.67E-09
4692	469321.15	3818215.78	4.81E-09	1.86E-08	2.47E-10	2.37E-08	4.00E-09	1.37E-08	1.77E-10	1.79E-08	4.54E-10	2.40E-09	4.21E-11	2.90E-09	4.13E-10	1.26E-09	1.27E-11	1.68E-09
4693	469330.12	3818212.23	4.85E-09	1.88E-08	2.49E-10	2.39E-08	4.04E-09	1.38E-08	1.79E-10	1.80E-08	4.58E-10	2.42E-09	4.25E-11	2.92E-09	4.16E-10	1.27E-09	1.29E-11	1.70E-09
4694	469339.08	3818208.68	4.89E-09	1.90E-08	2.51E-10	2.41E-08	4.07E-09	1.39E-08	1.80E-10	1.82E-08	4.61E-10	2.44E-09	4.28E-11	2.94E-09	4.20E-10	1.28E-09	1.30E-11	1.71E-09
4695	469348.04	3818205.13	4.92E-09	1.91E-08	2.53E-10	2.43E-08	4.10E-09	1.40E-08	1.81E-10	1.83E-08	4.65E-10	2.46E-09	4.31E-11	2.96E-09	4.22E-10	1.29E-09	1.30E-11	1.72E-09
4696	469357.01	3818201.58	4.95E-09	1.92E-08	2.54E-10	2.44E-08	4.13E-09	1.41E-08	1.83E-10	1.84E-08	4.68E-10	2.47E-09	4.34E-11	2.98E-09	4.25E-10	1.29E-09	1.31E-11	1.73E-09
4697	469365.97	3818198.03	4.98E-09	1.93E-08	2.56E-10	2.46E-08	4.15E-09	1.42E-08	1.84E-10	1.85E-08	4.70E-10	2.49E-09	4.37E-11	3.00E-09	4.28E-10	1.30E-09	1.32E-11	1.74E-09
4698	469374.93	3818194.48	5.01E-09	1.94E-08	2.57E-10	2.47E-08	4.17E-09	1.43E-08	1.85E-10	1.86E-08	4.73E-10	2.50E-09	4.39E-11	3.02E-09	4.30E-10	1.31E-09	1.33E-11	1.75E-09
4699	469383.9	3818190.93	5.04E-09	1.95E-08	2.59E-10	2.48E-08	4.19E-09	1.44E-08	1.86E-10	1.87E-08	4.76E-10	2.51E-09	4.41E-11	3.03E-09	4.32E-10	1.32E-09	1.34E-11	1.76E-09
4700	469392.86	3818187.38	5.06E-09	1.96E-08	2.60E-10	2.50E-08	4.22E-09	1.44E-08	1.87E-10	1.88E-08	4.78E-10	2.53E-09	4.44E-11	3.05E-09	4.35E-10	1.32E-09	1.34E-11

4701	469401.82	3818183.83	5.09E-09	1.97E-08	2.61E-10	2.51E-08	4.24E-09	1.45E-08	1.88E-10	1.89E-08	4.80E-10	2.54E-09	4.46E-11	3.06E-09	4.37E-10	1.33E-09	1.35E-11	1.78E-09
4702	469410.79	3818180.28	5.11E-09	1.98E-08	2.63E-10	2.52E-08	4.26E-09	1.46E-08	1.89E-10	1.90E-08	4.83E-10	2.55E-09	4.48E-11	3.08E-09	4.39E-10	1.34E-09	1.36E-11	1.79E-09
4703	469419.75	3818176.73	5.13E-09	1.99E-08	2.64E-10	2.53E-08	4.28E-09	1.46E-08	1.89E-10	1.91E-08	4.85E-10	2.56E-09	4.50E-11	3.09E-09	4.41E-10	1.34E-09	1.36E-11	1.80E-09
4704	469428.71	3818173.18	5.17E-09	2.00E-08	2.65E-10	2.55E-08	4.30E-09	1.47E-08	1.91E-10	1.92E-08	4.88E-10	2.58E-09	4.53E-11	3.11E-09	4.44E-10	1.35E-09	1.37E-11	1.81E-09
4705	469437.68	3818169.63	5.20E-09	2.02E-08	2.67E-10	2.56E-08	4.33E-09	1.48E-08	1.92E-10	1.93E-08	4.91E-10	2.60E-09	4.56E-11	3.13E-09	4.46E-10	1.36E-09	1.38E-11	1.82E-09
4706	469446.64	3818166.08	5.23E-09	2.03E-08	2.69E-10	2.58E-08	4.36E-09	1.49E-08	1.93E-10	1.95E-08	4.94E-10	2.61E-09	4.59E-11	3.15E-09	4.49E-10	1.37E-09	1.39E-11	1.83E-09
4707	469455.6	3818162.53	5.27E-09	2.04E-08	2.71E-10	2.60E-08	4.39E-09	1.50E-08	1.94E-10	1.96E-08	4.97E-10	2.63E-09	4.61E-11	3.17E-09	4.52E-10	1.38E-09	1.40E-11	1.84E-09
4708	469464.57	3818158.98	5.29E-09	2.05E-08	2.72E-10	2.61E-08	4.41E-09	1.51E-08	1.95E-10	1.97E-08	5.00E-10	2.64E-09	4.64E-11	3.19E-09	4.54E-10	1.38E-09	1.40E-11	1.85E-09
4709	469473.53	3818155.43	5.32E-09	2.06E-08	2.74E-10	2.62E-08	4.43E-09	1.52E-08	1.96E-10	1.98E-08	5.03E-10	2.66E-09	4.66E-11	3.21E-09	4.57E-10	1.39E-09	1.41E-11	1.86E-09
4710	469482.5	3818151.88	5.36E-09	2.08E-08	2.75E-10	2.64E-08	4.46E-09	1.53E-08	1.98E-10	1.99E-08	5.06E-10	2.67E-09	4.69E-11	3.23E-09	4.60E-10	1.40E-09	1.42E-11	1.87E-09
4711	469491.46	3818148.33	5.39E-09	2.09E-08	2.77E-10	2.66E-08	4.49E-09	1.54E-08	1.99E-10	2.01E-08	5.09E-10	2.69E-09	4.73E-11	3.25E-09	4.63E-10	1.41E-09	1.43E-11	1.89E-09
4712	469500.42	3818144.78	5.43E-09	2.10E-08	2.79E-10	2.67E-08	4.52E-09	1.55E-08	2.00E-10	2.02E-08	5.12E-10	2.71E-09	4.75E-11	3.27E-09	4.66E-10	1.42E-09	1.44E-11	1.90E-09
4713	469509.39	3818141.23	5.47E-09	2.12E-08	2.81E-10	2.69E-08	4.55E-09	1.56E-08	2.02E-10	2.03E-08	5.16E-10	2.73E-09	4.79E-11	3.29E-09	4.69E-10	1.43E-09	1.45E-11	1.91E-09
4714	469518.35	3818137.68	5.51E-09	2.14E-08	2.83E-10	2.72E-08	4.59E-09	1.57E-08	2.03E-10	2.05E-08	5.20E-10	2.75E-09	4.83E-11	3.32E-09	4.73E-10	1.44E-09	1.46E-11	1.93E-09
4715	469527.31	3818134.13	5.56E-09	2.15E-08	2.85E-10	2.74E-08	4.63E-09	1.58E-08	2.05E-10	2.07E-08	5.25E-10	2.77E-09	4.87E-11	3.35E-09	4.77E-10	1.45E-09	1.47E-11	1.94E-09
4716	469536.28	3818130.58	5.60E-09	2.17E-08	2.88E-10	2.76E-08	4.67E-09	1.60E-08	2.07E-10	2.08E-08	5.29E-10	2.80E-09	4.91E-11	3.38E-09	4.81E-10	1.46E-09	1.49E-11	1.96E-09
4717	469545.24	3818127.03	5.65E-09	2.19E-08	2.90E-10	2.79E-08	4.71E-09	1.61E-08	2.08E-10	2.10E-08	5.34E-10	2.82E-09	4.95E-11	3.40E-09	4.85E-10	1.48E-09	1.50E-11	1.98E-09
4718	469554.2	3818123.48	5.69E-09	2.21E-08	2.92E-10	2.81E-08	4.74E-09	1.62E-08	2.10E-10	2.12E-08	5.37E-10	2.84E-09	4.99E-11	3.43E-09	4.89E-10	1.49E-09	1.51E-11	1.99E-09
4719	469563.17	3818119.93	5.73E-09	2.22E-08	2.95E-10	2.83E-08	4.78E-09	1.63E-08	2.11E-10	2.13E-08	5.41E-10	2.86E-09	5.02E-11	3.45E-09	4.92E-10	1.50E-09	1.52E-11	2.01E-09
4720	469572.13	3818116.38	5.78E-09	2.24E-08	2.97E-10	2.85E-08	4.81E-09	1.65E-08	2.13E-10	2.15E-08	5.46E-10	2.88E-09	5.06E-11	3.48E-09	4.96E-10	1.51E-09	1.53E-11	2.02E-09
4721	469581.09	3818112.83	5.82E-09	2.26E-08	2.99E-10	2.87E-08	4.85E-09	1.66E-08	2.15E-10	2.17E-08	5.50E-10	2.91E-09	5.10E-11	3.51E-09	5.00E-10	1.52E-09	1.54E-11	2.04E-09
4722	469590.06	3818109.28	5.86E-09	2.27E-08	3.01E-10	2.89E-08	4.89E-09	1.67E-08	2.16E-10	2.18E-08	5.54E-10	2.93E-09	5.14E-11	3.53E-09	5.03E-10	1.53E-09	1.55E-11	2.05E-09
4723	469599.02	3818105.73	5.91E-09	2.29E-08	3.04E-10	2.91E-08	4.92E-09	1.68E-08	2.18E-10	2.20E-08	5.58E-10	2.95E-09	5.18E-11	3.56E-09	5.07E-10	1.54E-09	1.57E-11	2.07E-09
4724	469607.98	3818102.18	5.96E-09	2.31E-08	3.06E-10	2.94E-08	4.96E-09	1.70E-08	2.20E-10	2.22E-08	5.62E-10	2.97E-09	5.22E-11	3.59E-09	5.11E-10	1.56E-09	1.58E-11	2.08E-09
4725	469616.95	3818098.63	6.00E-09	2.33E-08	3.08E-10	2.96E-08	5.00E-09	1.71E-08	2.21E-10	2.23E-08	5.67E-10	3.00E-09	5.26E-11	3.62E-09	5.15E-10	1.57E-09	1.59E-11	2.10E-09
4726	469625.91	3818095.08	6.05E-09	2.35E-08	3.11E-10	2.98E-08	5.04E-09	1.72E-08	2.23E-10	2.25E-08	5.71E-10	3.02E-09	5.30E-11	3.64E-09	5.19E-10	1.58E-09	1.60E-11	2.12E-09
4727	469634.87	3818091.53	6.09E-09	2.36E-08	3.13E-10	3.00E-08	5.07E-09	1.73E-08	2.24E-10	2.26E-08	5.75E-10	3.04E-09	5.33E-11	3.67E-09	5.23E-10	1.59E-09	1.61E-11	2.13E-09
4728	469643.84	3818087.98	6.13E-09	2.38E-08	3.15E-10	3.02E-08	5.10E-09	1.75E-08	2.26E-10	2.28E-08	5.79E-10	3.06E-09	5.37E-11	3.69E-09	5.26E-10	1.60E-09	1.62E-11	2.14E-09
4729	469652.8	3818084.43	6.16E-09	2.39E-08	3.17E-10	3.04E-08	5.13E-09	1.76E-08	2.27E-10	2.29E-08	5.82E-10	3.08E-09	5.40E-11	3.71E-09	5.29E-10	1.61E-09	1.63E-11	2.16E-09
4730	469661.77	3818080.88	6.20E-09	2.40E-08	3.18E-10	3.05E-08	5.16E-09	1.77E-08	2.29E-10	2.30E-08	5.85E-10	3.09E-09	5.43E-11	3.73E-09	5.32E-10	1.62E-09	1.64E-11	2.17E-09
4731	469670.73	3818077.33	6.23E-09	2.42E-08	3.20E-10	3.07E-08	5.19E-09	1.78E-08	2.30E-10	2.32E-08	5.89E-10	3.11E-09	5.46E-11	3.75E-09	5.35E-10	1.63E-09	1.65E-11	2.18E-09
4732	469679.69	3818073.78	6.26E-09	2.43E-08	3.22E-10	3.09E-08	5.22E-09	1.78E-08	2.31E-10	2.33E-08	5.91E-10	3.13E-09	5.49E-11	3.77E-09	5.38E-10	1.64E-09	1.66E-11	2.19E-09
4733	469715.55	3818059.58	6.37E-09	2.47E-08	3.27E-10	3.14E-08	5.30E-09	1.81E-08	2.35E-10	2.37E-08	6.01E-10	3.18E-09	5.58E-11	3.84E-09	5.47E-10	1.66E-09	1.69E-11	2.23E-09
4734	469724.51	3818056.03	6.39E-09	2.48E-08	3.28E-10	3.15E-08	5.32E-09	1.82E-08	2.36E-10	2.38E-08	6.03E-10	3.19E-09	5.60E-11	3.85E-09	5.48E-10	1.67E-09	1.69E-11	2.24E-09
4735	469733.47	3818052.48	6.41E-09	2.48E-08	3.29E-10	3.16E-08	5.34E-09	1.83E-08	2.36E-10	2.38E-08	6.05E-10	3.20E-09	5.61E-11	3.86E-09	5.50E-10	1.67E-09	1.70E-11	2.24E-09
4736	469742.44	3818048.93	6.42E-09	2.49E-08	3.30E-10	3.17E-08	5.35E-09	1.83E-08	2.37E-10	2.39E-08	6.07E-10	3.21E-09	5.63E-11	3.87E-09	5.52E-10	1.68E-09	1.70E-11	2.25E-09
4737	469751.4	3818045.38	6.44E-09	2.50E-08	3.31E-10	3.18E-08	5.37E-09	1.84E-08	2.38E-10	2.40E-08	6.08E-10	3.22E-09	5.65E-11	3.88E-09	5.53E-10	1.68E-09	1.71E-11	2.25E-09
4738	469760.36	3818041.83	6.46E-09	2.50E-08	3.32E-10	3.18E-08	5.38E-09	1.84E-08	2.38E-10	2.40E-08	6.10E-10	3.22E-09	5.66E-11	3.89E-09	5.54E-10	1.69E-09	1.71E-11	2.26E-09
4739	469769.33	3818038.28	6.47E-09	2.51E-08	3.33E-10	3.19E-08	5.39E-09	1.84E-08	2.39E-10	2.41E-08	6.11E-10	3.23E-09	5.67E-11	3.90E-09	5.56E-10	1.69E-09	1.72E-11	2.26E-09
4740	469778.29	3818034.73	6.49E-09	2.52E-08	3.33E-10	3.20E-08	5.40E-09	1.85E-08	2.39E-10	2.41E-08	6.13E-10	3.24E-09	5.68E-11	3.91E-09	5.57E-10	1.70E-09	1.72E-11	2.27E-09
4741	469787.25	3818031.18	6.50E-09	2.52E-08	3.34E-10	3.20E-08	5.41E-09	1.85E-08	2.40E-10	2.42E-08	6.14E-10	3.24E-09	5.69E-11	3.91E-09	5.58E-10	1.70E-09	1.72E-11	2.27E-09
4742	469796.22	3818027.63	6.51E-09	2.52E-08	3.34E-10	3.21E-08	5.42E-09	1.85E-08	2.40E-10	2.42E-08	6.15E-10	3.25E-09	5.70E-11	3.92E-09	5.59E-10	1.70E-09	1.73E-11	2.28E-09
4743	469805.18	3818024.08	6.52E-09	2.53E-08	3.35E-10	3.21E-08	5.43E-09	1.86E-08	2.40E-10	2.43E-08	6.16E-10	3.25E-09	5.71E-11	3.93E-09	5.60E-10	1.70E-09	1.73E-11	2.28E-09
4744	469814.14	3818020.53	6.53E-09	2.53E-08	3.35E-10	3.22E-08	5.44E-09	1.86E-08	2.41E-10	2.43E-08	6.16E-10	3.26E-09	5.72E-11	3.93E-09	5.60E-10	1.71E-09	1.73E-11	2.28E-09
4745	469823.11	3818016.98	6.54E-09	2.54E-08	3.36E-10	3.22E-08	5.45E-09	1.86E-08	2.41E-10	2.43E-08	6.17E-10	3.26E-09	5.73E-11	3.94E-09	5.61E-10	1.71E-09	1.73E-11	2.29E-09
4746	469832.07	3818013.43	6.55E-09	2.54E-08	3.37E-10	3.23E-08	5.46E-09	1.87E-08	2.42E-10	2.44E-08	6.19E-10	3.27E-09	5.74E-11	3.95E-09	5.62E-10	1.71E-09	1.74E-11	2.29E-09
4747	469841.03	3818009.88	6.56E-09	2.55E-08	3.37E-10	3.24E-08	5.47E-09	1.87E-08	2.42E-10	2.44E-08	6.20E-10	3.28E-09	5.75E-11	3.95E-09	5.63E-10	1.72E-09	1.74E-11	2.30E-09
4748	469850	3818006.33	6.58E-09	2.55E-08	3.38E-10	3.24E-08	5.48E-09	1.88E-08	2.43E-10	2.45E-08	6.21E-10	3.29E-09	5.77E-11	3.96E-09	5.65E-10	1.72E-09	1.74E-11	2.30E-09
4749	469858.96	3818002.78	6.60E-09	2.56E-08	3.39E-10	3.26E-08	5.50E-09	1.88E-08	2.44E-10	2.46E-08	6.24E-10	3.30E-09	5.79E-11	3.98E-09	5.67E-10	1.73E-09	1.75E-11	2.31E-09
4750	469867.93	3817999.23	6.62E-09	2.57E-08	3.40E-10	3.26E-08	5.52E-09	1.89E-08	2.44E-10	2.46E-08	6.25E-10	3.31E-09	5.80E-11	3.99E-09	5.68E-10	1.73E-09	1.76E-11	2.32E-09
4751	469876.89	3817995.68	6.64E-09	2.58E-08	3.41E-10	3.27E-08	5.53E-09	1.89E-08	2.45E-10	2.47E-08	6.27E-10	3.31E-09	5.82E-11	4.00E-09	5.70E-10	1.74E-09	1.76E-11	2.32E-09
4752	469885.85	3817992.13	6.66E-09	2.58E-08	3.42E-10	3.29E-08	5.55E-09	1.90E-08	2.46E-10	2.48E-08	6.29E-10	3.33E-09	5.84E-11	4.02E-09	5.72E-10	1.74E-09	1.77E-11	2.33E-09
4753	469894.82	3817988.58	6.69E-09	2.60E-08	3.44E-10	3.30E-08	5.58E-09	1.91E-08	2.47E-10	2.49E-08	6.32E-10	3.34E-09	5.87E-11	4.03E-09	5.75E-10	1.75E-09	1.77E-11	2.34E-09
4754	469903.78	3817985.03	6.73E-09	2.61E-08	3.46E-10	3.32E-08	5.61E-09	1.92E-08	2.48E-10	2.50E-08	6.36E-10	3.36E-09	5.90E-11	4.05E-09	5.78E-10	1.76E-09	1.78E-11	2.36E-09
4755	469912.74	3817981.48	6.77E-09	2.63E-08	3.48E-10	3.34E-08	5.64E-09	1.93E-08	2.50E-10	2.52E-08	6.39E-10	3.38E-09	5.93E-11	4.08E-09	5.81E-10	1.77E-09	1.79E-11	2.37E-09
4756	469921.71	3817977.93	6.81E-09	2.64E-08	3.50E-10	3.36E-08	5.68E-09	1.94E-08	2.51E-10	2.53E-08	6.43E-10	3.40E-09	5.97E-11	4.11E-09	5.85E-10	1.78E-09	1.81E-11	2.38E-09
4757	469930.67	3817974.38	6.86E-09	2.66E-08	3.52E-10	3.38E-08	5.71E-09	1.95E-08	2.53E-10	2.55E-08	6.48E-10	3.42E-09	6.01E-11	4.13E-09	5.89E-10	1.79E-09	1.82E-11	2.40E-09
4758	469939.63	3817970.83	6.91E-09	2.68E-08	3.55E-10	3.41E-08	5.75E-09	1.97E-08	2.55E-10	2.57E-08	6.52E-10	3.45E-09	6.05E-11	4.16E-09	5.93E-10	1.81E-09	1.83E-11	2.42E-09
4759	469948.6	3817967.28	6.96E-09	2.70E-08	3.58E-10	3.43E-08	5.80E-09	1.98E-08	2.57E-10	2.59E-08	6.58E-10	3.48E-09	6.10E-11	4.19E-09	5.98E-10	1.82E-09	1.85E-11	2.44E-09
4760	469957.56	3817963.73	7.02E-09	2.72E-08	3.61E-10	3.46E-08	5.85E-09	2.00E-08	2.59E-10	2.61E-08	6.63E-10	3.51E-09	6.16E-11	4.23E-09	6.03E-10	1.84E-09	1.86E-11	2.46E-09
4761	469966.52	3817960.18	7.08E-09	2.74E-08	3.64E-10	3.49E-08	5.89E-09	2.02E-08	2.61E-10	2.63E-08	6.68E-10	3.53E-09	6.20E-11	4.26E-09	6.07E-10	1.85E-09	1.88E-11	2.48E-09
4762	469975.49	3817956.63	7.13E-09	2.76E-08	3.66E-10	3.51E-08	5.94E-09	2.03E-08	2.63E-10	2.65E-08	6.73E-10	3.56E-09	6.25E-11	4.29E-09	6.12E-10	1.86E-09	1.89E-11	2.49E-09
4763	469984.45	3817953.07	7.18E-09	2.78E-08	3.69E-10	3.54E-08	5.98E-09	2.05E-08	2.65E-10	2.67E-08	6.78E-10	3.58E-09	6.29E-11	4.32E-09	6.16E-10	1.88E-09	1.90E-11	2.51E-09
4764	469993.41	3817949.52	7.23E-09	2.80E-08	3.71E-10	3.56E-08	6.02E-09	2.06E-08	2.67E-10	2.69E-08	6.83E-10	3.61E-09	6.33E-11	4.35E-09	6.21E-10	1.89E-09	1.92E-11	2.53E-09
4765	470002.38	3817945.97	7.27E-09	2.82E-08	3.73E-10	3.58E-08	6.05E-09	2.07E-08	2.68E-10	2.70E-08	6.86E-10	3.63E-09	6.37E-11	4.38E-09	6.24E-10	1.90E-09	1.93E-11	2.54E-09
4766	470011.34	3817942.42	7.31E-09	2.84E-08	3.76E-10	3.60E-08	6.09E-09	2.08E-08	2.70E-10	2.72E-08	6.90E-10	3.65E-09	6.41E-11	4.41E-09	6.28E-10	1.91E-09	1.94E-11	2.56E-09
4767	470020.3	3817938.87	7.35E-09	2.85E-08	3.78E-10	3.62E-08	6.12E-09	2.10E-08	2.71E-10	2.73E-08	6.94E-10	3.67E-09	6.44E-11	4.43E-09	6.31E-10	1.92E-09	1.95E-11	2.57E-09
4768	470047.19	3817928.22	7.47E-09	2.90E-08	3.84E-10	3.68E-08	6.22E-09	2.13E-08	2.76E-10	2.78E-08	7.06E-10	3.73E-09	6.55E-11	4.50E-09	6.41E-10	1.95E-09	1.98E-11	2.61E-09
4769	470056.16	3817924.67	7.50E-09	2.91E-08	3.85E-10	3.70E-08	6.25E-09	2.14E-08	2.77E-10	2.79E-08	7.08E-10	3.75E-09	6.57E-11	4.52E-09	6.44E-10	1.96E-09	1.99E-11	2.62E-09
4770	470065.12	3817921.12	7.52E-09	2.92E-08	3.86E-10	3.71E-08	6.26E-09	2.14E-08	2.77E-10	2.80E-08	7.10E-10	3.75E-09	6.59E-11	4.53E-09	6.46E-10	1.97E-09	1.99E-11	2.63E-09
4771	470074.09	3817917.57	7.53E-09	2.92E-08	3.87E-10	3.71E-08	6.28E-09	2.15E-08	2.78E-10	2.80E-08	7.11E-10	3.76E-09	6.60E-11	4.54E-09	6.47E-10	1.97E-09	2.00E-11	2.64E-09
4772	470083.05	3817914.02	7.54E-09	2.92E-08	3.87E-10	3.72E-08	6.28E-09	2.15E-08	2.78E-10	2.80E-08	7.12E-10	3.76E-09	6.61E-11	4.54E-09	6.47E-10	1.97E-09	2.00E-11	2.64E-09
4773	470092.01	3817910.47	7.53E-09	2.92E-08	3.87E-10	3.71E-08	6.28E-09	2.15E-08	2.78E-10	2.80E-08	7.11E-10	3.76E-09	6.60E-11	4.54E-09	6.47E-10	1.97E-09	2.00E-11	2.64E-09
4774	470100.98	3817906.92	7.52E-09	2.92E-08	3.87E-10	3.71E-08	6.27E-09	2.14E-08	2.77E-10	2.80E-08	7.10E-10	3.76E-09	6.59E-11	4.53E-09	6.46E-10	1.97E-09	1.99E-11	2.63E-09
4775	470109.94	3817903.37	7.50E-09	2.91E-08	3.86E-10	3.70E-08	6.25E-09	2.14E-08	2.77E-10	2.79E-08	7.09E-10	3.75E-09	6.58E-11	4.52E-09	6.44E-10	1.96E-09	1.99E-11	2.63E-09
4776	470118.9	3817899.82	7.48E-09	2.90E-08	3.84E-10	3.69E-08	6.23E-09	2.13E-08	2.76E-10	2.78E-08	7.06E-10	3.73E-09	6.55E-11	4.50E-09	6.42E-10	1.95E-09	1.98E-11	2.62E-09
4777	468768.83	3819228.61	2.08E-09	8.07E-09	1.07E-10	1.03E-08	1.73E-09	5.93E-09	7.67E-11	7.74E-09	1.96E-10	1.04E-09	1.82E-11	1.25E-09	1.79E-10	5.44E-10	5.51E-12	7.28E-10
4778	468768.64	3819238.26	2.12E-09	8.21E-09	1.09E-10	1.04E-08	1.76E-09	6.03E-09	7.80E-11	7.87E-09	2.00E-10	1.06E-09	1.85E-11	1.27E-09	1.82E-10	5.53E-10	5.61E-12	7.40E-10
4779	468768.45	3819247.91	2.16E-09	8.36E-09	1.11E-10	1.06E-08	1.80E-09	6.14E-09	7.95E-11	8.02E-09	2.04E-10	1.08E-09	1.89E-11	1.30E-09	1.85E-10	5.64E-10	5.72E-12	7.54E-10
4780	468768.25	3819257.56	2.19E-09	8.50E-09	1.13E-10	1.08E-08	1.83E-09	6.25E-09	8.09E-11	8.16E-09	2.07E-10	1.09E-09	1.92E-11	1.32E-09	1.88E-10	5.73E-10	5.81E-12	7.67E-10
4781	468768.06	3819267.2	2.23E-09	8.64E-09	1.15E-10	1.10E-08	1.86E-09	6.35E-09	8.22E-11	8.29E-09	2.10E-10	1.11E-09	1.95E-11	1.34E-09	1.91E-10	5.83E-10	5.91E-12	7.80E-10
4782	468767.87	3819276.85	2.27E-09	8.79E-09	1.16E-10	1.12E-08	1.89E-09	6.46E-09	8.35E-11	8.43E-09	2.14E-10	1.13E-09	1.99E-11	1.36E-09	1.94E-10	5.92E-10	6.01E-12	7.93E-10
4783	468767.67	3819286.5	2.30E-09	8.91E-09	1.18E-10	1.13E-08	1.91E-09	6.55E-09	8.47E-11	8.55E-09	2.17E-10	1.15E-09	2.01E-11	1.38E-09	1.97E-10	6.01E-10	6.09E-12	8.04E-10
4784	468767.48	3819296.15	2.33E-09	9.04E-09	1.20E-10	1.15E-08	1.94E-09	6.64E-09	8.60E-11	8.67E-09	2.20E-10	1.16E-09	2.04E-11	1.40E-09	2.00E-10	6.09E-10	6.18E-12	8.16E-10
4785	468767.29	3819305.8	2.36E-09	9.17E-09	1.21E-10	1.17E-08	1.97E-09	6.74E-09	8.72E-11	8.79E-09	2.23E-10	1.18E-09	2.07E-11	1.42E-09	2.03E-10	6.18E-10	6.27E-12	8.27E-10
4786	468767.09	3819315.45	2.39E-09	9.28E-09	1.23E-10	1.18E-08	1.99E-09	6.82E-09	8.82E-11	8.90E-09	2.26E-10	1.19E-09	2.10E-11	1.44E-09	2.05E-10	6.25E-10	6.34E-12	8.37E-10
4787	468766.9	3819325.09	2.42E-09	9.39E-09	1.24E-10	1.19E-08	2.02E-09	6.90E-09	8.93E-11	9.01E-09	2.29E-10	1.21E-09	2.12E-11	1.46E-09	2.08E-10	6.33E-10	6.42E-12	8.47E-10
4788	468766.71	3819334.74	2.45E-09	9.49E-09	1.26E-10	1.21E-08	2.04E-09	6.97E-09	9.02E-11	9.10E-09	2.31E-10	1.22E-09	2.14E-11	1.47E-09	2.10E-10	6.40E-10	6.49E-12	8.56E-10
4789	468766.51	3819344.39	2.47E-09	9.58E-09	1.27E-10	1.22E-08	2.06E-09	7.04E-09	9.11E-11	9.18E-09	2.33E-10	1.23E-09	2.16E-11	1.49E-09	2.12E-10	6.45E-10	6.54E-12	8.64E-10
4790	468766.32	3819354.04	2.49E-09	9.66E-09	1.28E-10	1.23E-08	2.07E-09	7.10E-09	9.19E-11	9.26E-09	2.35E-10	1.24E-09	2.18E-11	1.50E-09	2.14E-10	6.51E-10	6.60E-12	8.72E-10
4791	468766.13	3819363.69	2.51E-09	9.74E-09	1.29E-10	1.24E-08	2.09E-09	7.16E-09	9.27E-11	9.35E-09	2.37E-10	1.25E-09	2.20E-11	1.51E-09	2.16E-10	6.57E-10	6.66E-12	8.79E-10
4792	468765.93	3819373.33	2.53E-09	9.82E-09	1.30E-10	1.25E-08	2.11E-09	7.21E-09	9.33E-11	9.41E-09	2.39E-10	1.26E-09	2.22E-11	1.52E-09	2.17E-10	6.62E-10	6.71E-12	8.86E-10
4793	468765.74	3819382.98	2.55E-09	9.89E-09	1.31E-10	1.26E-08	2.12E-09	7.26E-09	9.40E-11	9.48E-09	2.41E-10	1.27E-09	2.23E-11	1.54E-09	2.19E-10	6.66E-10	6.76E-12	8.92E-10
4794	468765.55	3819392.63	2.56E-09	9.94E-09	1.32E-10	1.26E-08	2.14E-09	7.31E-09	9.45E-11	9.54E-09	2.42E-10	1.28E-09	2.25E-11	1.54E-09	2.20E-10	6.70E-10	6.80E-12	8.97E-10
4795	468765.35	3819402.28	2.58E-09	1.00E-08	1.32E-10	1.27E-08	2.15E-09	7.35E-09	9.51E-11	9.59E-09	2.43E-10	1.29E-09	2.26E-11	1.55E-09	2.21E-10	6.74E-10	6.83E-12	9.02E-10
4796	468765.16	3819411.93	2.59E-09	1.00E-08	1.33E-10	1.28E-08	2.16E-09	7.38E-09	9.55E-11	9.63E-09	2.44E-10	1.29E-09	2.27E-11	1.56E-09	2.22E-10	6.77E-10	6.86E-12	9.

4797	468764.97	3819421.58	2.60E-09	1.01E-08	1.33E-10	1.28E-08	2.16E-09	7.40E-09	9.57E-11	9.66E-09	2.45E-10	1.30E-09	2.27E-11	1.56E-09	2.23E-10	6.79E-10	6.88E-12	9.08E-10
4798	468696.9	3819190.14	1.77E-09	6.87E-09	9.10E-11	8.73E-09	1.47E-09	5.05E-09	6.53E-11	6.59E-09	1.67E-10	8.84E-10	1.55E-11	1.07E-09	1.52E-10	4.63E-10	4.69E-12	6.20E-10
4799	468700.73	3819181.36	1.75E-09	6.78E-09	8.99E-11	8.62E-09	1.46E-09	4.98E-09	6.45E-11	6.51E-09	1.65E-10	8.73E-10	1.53E-11	1.05E-09	1.50E-10	4.57E-10	4.64E-12	6.12E-10
4800	468704.56	3819172.58	1.73E-09	6.71E-09	8.89E-11	8.53E-09	1.44E-09	4.93E-09	6.38E-11	6.44E-09	1.63E-10	8.64E-10	1.52E-11	1.04E-09	1.49E-10	4.52E-10	4.59E-12	6.06E-10
4801	468708.39	3819163.79	1.71E-09	6.64E-09	8.80E-11	8.44E-09	1.43E-09	4.88E-09	6.32E-11	6.37E-09	1.62E-10	8.55E-10	1.50E-11	1.03E-09	1.47E-10	4.48E-10	4.54E-12	5.99E-10
4802	468712.22	3819155.01	1.70E-09	6.59E-09	8.72E-11	8.37E-09	1.41E-09	4.84E-09	6.26E-11	6.32E-09	1.60E-10	8.48E-10	1.49E-11	1.02E-09	1.46E-10	4.44E-10	4.50E-12	5.94E-10
4803	468716.05	3819146.22	1.68E-09	6.52E-09	8.63E-11	8.28E-09	1.40E-09	4.79E-09	6.20E-11	6.25E-09	1.59E-10	8.39E-10	1.47E-11	1.01E-09	1.44E-10	4.39E-10	4.45E-12	5.88E-10
4804	468719.88	3819137.44	1.67E-09	6.46E-09	8.56E-11	8.21E-09	1.39E-09	4.75E-09	6.14E-11	6.19E-09	1.57E-10	8.31E-10	1.46E-11	1.00E-09	1.43E-10	4.35E-10	4.41E-12	5.83E-10
4805	468723.71	3819128.65	1.65E-09	6.42E-09	8.50E-11	8.16E-09	1.38E-09	4.71E-09	6.10E-11	6.15E-09	1.56E-10	8.26E-10	1.45E-11	9.97E-10	1.42E-10	4.32E-10	4.39E-12	5.79E-10
4806	468727.54	3819119.87	1.64E-09	6.37E-09	8.44E-11	8.10E-09	1.37E-09	4.68E-09	6.06E-11	6.11E-09	1.55E-10	8.21E-10	1.44E-11	9.90E-10	1.41E-10	4.30E-10	4.36E-12	5.75E-10
4807	468731.38	3819111.08	1.64E-09	6.35E-09	8.41E-11	8.07E-09	1.36E-09	4.66E-09	6.03E-11	6.09E-09	1.55E-10	8.17E-10	1.43E-11	9.86E-10	1.40E-10	4.28E-10	4.34E-12	5.73E-10
4808	469045.52	3818390.75	3.27E-09	1.27E-08	1.68E-10	1.61E-08	2.72E-09	9.32E-09	1.21E-10	1.22E-08	3.09E-10	1.63E-09	2.86E-11	1.97E-09	2.81E-10	8.55E-10	8.67E-12	1.14E-09
4809	469049.35	3818381.96	3.27E-09	1.27E-08	1.68E-10	1.61E-08	2.73E-09	9.33E-09	1.21E-10	1.22E-08	3.09E-10	1.63E-09	2.87E-11	1.97E-09	2.81E-10	8.55E-10	8.68E-12	1.15E-09
4810	469053.18	3818373.18	3.27E-09	1.27E-08	1.68E-10	1.61E-08	2.73E-09	9.33E-09	1.21E-10	1.22E-08	3.09E-10	1.63E-09	2.87E-11	1.97E-09	2.81E-10	8.55E-10	8.68E-12	1.15E-09
4811	469057.01	3818364.39	3.27E-09	1.27E-08	1.68E-10	1.61E-08	2.73E-09	9.33E-09	1.21E-10	1.22E-08	3.09E-10	1.63E-09	2.87E-11	1.97E-09	2.81E-10	8.55E-10	8.68E-12	1.15E-09
4812	469060.85	3818355.61	3.27E-09	1.27E-08	1.68E-10	1.61E-08	2.72E-09	9.32E-09	1.21E-10	1.22E-08	3.09E-10	1.63E-09	2.86E-11	1.97E-09	2.81E-10	8.55E-10	8.67E-12	1.14E-09
4813	469064.68	3818346.83	3.27E-09	1.27E-08	1.68E-10	1.61E-08	2.73E-09	9.33E-09	1.21E-10	1.22E-08	3.09E-10	1.63E-09	2.87E-11	1.97E-09	2.81E-10	8.55E-10	8.68E-12	1.15E-09
4814	469068.51	3818338.04	3.28E-09	1.27E-08	1.68E-10	1.62E-08	2.73E-09	9.34E-09	1.21E-10	1.22E-08	3.09E-10	1.64E-09	2.87E-11	1.97E-09	2.81E-10	8.56E-10	8.69E-12	1.15E-09
4815	469072.34	3818329.26	3.28E-09	1.27E-08	1.69E-10	1.62E-08	2.73E-09	9.35E-09	1.21E-10	1.22E-08	3.10E-10	1.64E-09	2.87E-11	1.98E-09	2.82E-10	8.57E-10	8.69E-12	1.15E-09
4816	469076.17	3818320.47	3.28E-09	1.27E-08	1.69E-10	1.62E-08	2.73E-09	9.36E-09	1.21E-10	1.22E-08	3.10E-10	1.64E-09	2.88E-11	1.98E-09	2.82E-10	8.58E-10	8.70E-12	1.15E-09
4817	469080	3818311.69	3.29E-09	1.28E-08	1.69E-10	1.62E-08	2.74E-09	9.38E-09	1.21E-10	1.22E-08	3.11E-10	1.64E-09	2.88E-11	1.98E-09	2.82E-10	8.60E-10	8.72E-12	1.15E-09
4818	469083.83	3818302.9	3.30E-09	1.28E-08	1.69E-10	1.63E-08	2.75E-09	9.40E-09	1.22E-10	1.23E-08	3.11E-10	1.65E-09	2.89E-11	1.99E-09	2.83E-10	8.62E-10	8.74E-12	1.15E-09
4819	469087.66	3818294.12	3.31E-09	1.28E-08	1.70E-10	1.63E-08	2.76E-09	9.43E-09	1.22E-10	1.23E-08	3.12E-10	1.65E-09	2.90E-11	1.99E-09	2.84E-10	8.65E-10	8.77E-12	1.16E-09
4820	469091.49	3818285.33	3.31E-09	1.28E-08	1.70E-10	1.63E-08	2.76E-09	9.44E-09	1.22E-10	1.23E-08	3.13E-10	1.65E-09	2.90E-11	2.00E-09	2.84E-10	8.66E-10	8.78E-12	1.16E-09
4821	469095.32	3818276.55	3.32E-09	1.29E-08	1.71E-10	1.64E-08	2.77E-09	9.46E-09	1.22E-10	1.23E-08	3.13E-10	1.66E-09	2.91E-11	2.00E-09	2.85E-10	8.68E-10	8.80E-12	1.16E-09
4822	469099.16	3818267.76	3.33E-09	1.29E-08	1.71E-10	1.64E-08	2.77E-09	9.49E-09	1.23E-10	1.24E-08	3.15E-10	1.66E-09	2.92E-11	2.01E-09	2.86E-10	8.71E-10	8.83E-12	1.17E-09
4823	469102.99	3818258.98	3.34E-09	1.30E-08	1.72E-10	1.65E-08	2.78E-09	9.52E-09	1.23E-10	1.24E-08	3.16E-10	1.67E-09	2.93E-11	2.01E-09	2.87E-10	8.74E-10	8.86E-12	1.17E-09
4824	469106.82	3818250.2	3.36E-09	1.30E-08	1.73E-10	1.66E-08	2.80E-09	9.57E-09	1.24E-10	1.25E-08	3.17E-10	1.68E-09	2.94E-11	2.02E-09	2.88E-10	8.78E-10	8.91E-12	1.18E-09
4825	469110.65	3818241.41	3.38E-09	1.31E-08	1.74E-10	1.67E-08	2.81E-09	9.63E-09	1.25E-10	1.26E-08	3.19E-10	1.69E-09	2.96E-11	2.04E-09	2.90E-10	8.83E-10	8.95E-12	1.18E-09
4826	469114.48	3818232.63	3.40E-09	1.32E-08	1.74E-10	1.67E-08	2.83E-09	9.68E-09	1.25E-10	1.26E-08	3.21E-10	1.70E-09	2.98E-11	2.05E-09	2.92E-10	8.88E-10	9.00E-12	1.19E-09
4827	469118.31	3818223.84	3.42E-09	1.33E-08	1.76E-10	1.68E-08	2.85E-09	9.74E-09	1.26E-10	1.27E-08	3.23E-10	1.71E-09	3.00E-11	2.06E-09	2.93E-10	8.93E-10	9.06E-12	1.20E-09
4828	469131.05	3818211.53	3.49E-09	1.36E-08	1.80E-10	1.72E-08	2.91E-09	9.96E-09	1.29E-10	1.30E-08	3.30E-10	1.74E-09	3.06E-11	2.11E-09	3.00E-10	9.13E-10	9.26E-12	1.22E-09
4829	469139.96	3818208	3.55E-09	1.38E-08	1.82E-10	1.75E-08	2.96E-09	1.01E-08	1.31E-10	1.32E-08	3.35E-10	1.77E-09	3.11E-11	2.14E-09	3.05E-10	9.28E-10	9.41E-12	1.24E-09
4830	469148.87	3818204.47	3.61E-09	1.40E-08	1.85E-10	1.78E-08	3.00E-09	1.03E-08	1.33E-10	1.34E-08	3.41E-10	1.80E-09	3.16E-11	2.17E-09	3.10E-10	9.43E-10	9.56E-12	1.26E-09
4831	469157.78	3818200.94	3.66E-09	1.42E-08	1.88E-10	1.81E-08	3.05E-09	1.04E-08	1.35E-10	1.36E-08	3.46E-10	1.83E-09	3.21E-11	2.21E-09	3.14E-10	9.57E-10	9.71E-12	1.28E-09
4832	469166.69	3818197.41	3.72E-09	1.44E-08	1.91E-10	1.83E-08	3.10E-09	1.06E-08	1.37E-10	1.38E-08	3.51E-10	1.86E-09	3.26E-11	2.24E-09	3.19E-10	9.72E-10	9.86E-12	1.30E-09
4833	469175.6	3818193.88	3.78E-09	1.47E-08	1.94E-10	1.86E-08	3.15E-09	1.08E-08	1.39E-10	1.41E-08	3.57E-10	1.89E-09	3.31E-11	2.28E-09	3.24E-10	9.88E-10	1.00E-11	1.32E-09
4834	469184.51	3818190.35	3.84E-09	1.49E-08	1.97E-10	1.89E-08	3.20E-09	1.09E-08	1.41E-10	1.43E-08	3.62E-10	1.92E-09	3.36E-11	2.31E-09	3.29E-10	1.00E-09	1.02E-11	1.34E-09
4835	469193.42	3818186.83	3.89E-09	1.51E-08	2.00E-10	1.92E-08	3.24E-09	1.11E-08	1.44E-10	1.45E-08	3.68E-10	1.94E-09	3.41E-11	2.35E-09	3.34E-10	1.02E-09	1.03E-11	1.36E-09
4836	469202.33	3818183.3	3.95E-09	1.53E-08	2.03E-10	1.95E-08	3.29E-09	1.13E-08	1.46E-10	1.47E-08	3.73E-10	1.97E-09	3.46E-11	2.38E-09	3.39E-10	1.03E-09	1.05E-11	1.38E-09
4837	469211.24	3818179.77	4.00E-09	1.55E-08	2.06E-10	1.97E-08	3.33E-09	1.14E-08	1.48E-10	1.49E-08	3.78E-10	2.00E-09	3.50E-11	2.41E-09	3.43E-10	1.05E-09	1.06E-11	1.40E-09
4838	469220.15	3818176.24	4.05E-09	1.57E-08	2.08E-10	2.00E-08	3.37E-09	1.15E-08	1.49E-10	1.51E-08	3.82E-10	2.02E-09	3.55E-11	2.44E-09	3.48E-10	1.06E-09	1.07E-11	1.42E-09
4839	469229.06	3818172.71	4.10E-09	1.59E-08	2.11E-10	2.02E-08	3.42E-09	1.17E-08	1.51E-10	1.53E-08	3.87E-10	2.05E-09	3.59E-11	2.47E-09	3.52E-10	1.07E-09	1.09E-11	1.44E-09
4840	469237.97	3818169.18	4.15E-09	1.61E-08	2.13E-10	2.04E-08	3.45E-09	1.18E-08	1.53E-10	1.54E-08	3.91E-10	2.07E-09	3.63E-11	2.50E-09	3.56E-10	1.08E-09	1.10E-11	1.45E-09
4841	469246.89	3818165.65	4.19E-09	1.62E-08	2.15E-10	2.06E-08	3.49E-09	1.19E-08	1.54E-10	1.56E-08	3.96E-10	2.09E-09	3.67E-11	2.52E-09	3.60E-10	1.10E-09	1.11E-11	1.47E-09
4842	469255.8	3818162.12	4.23E-09	1.64E-08	2.17E-10	2.09E-08	3.53E-09	1.21E-08	1.56E-10	1.57E-08	4.00E-10	2.11E-09	3.71E-11	2.55E-09	3.63E-10	1.11E-09	1.12E-11	1.48E-09
4843	469264.71	3818158.59	4.27E-09	1.66E-08	2.19E-10	2.10E-08	3.56E-09	1.22E-08	1.57E-10	1.59E-08	4.03E-10	2.13E-09	3.74E-11	2.57E-09	3.66E-10	1.12E-09	1.13E-11	1.49E-09
4844	469273.62	3818155.06	4.31E-09	1.67E-08	2.21E-10	2.12E-08	3.59E-09	1.23E-08	1.59E-10	1.60E-08	4.07E-10	2.15E-09	3.77E-11	2.59E-09	3.70E-10	1.13E-09	1.14E-11	1.51E-09
4845	469282.53	3818151.54	4.34E-09	1.68E-08	2.23E-10	2.14E-08	3.61E-09	1.24E-08	1.60E-10	1.61E-08	4.10E-10	2.17E-09	3.80E-11	2.61E-09	3.72E-10	1.13E-09	1.15E-11	1.52E-09
4846	469291.44	3818148.01	4.37E-09	1.69E-08	2.24E-10	2.15E-08	3.64E-09	1.24E-08	1.61E-10	1.62E-08	4.12E-10	2.18E-09	3.83E-11	2.63E-09	3.75E-10	1.14E-09	1.16E-11	1.53E-09
4847	469300.35	3818144.48	4.39E-09	1.70E-08	2.26E-10	2.17E-08	3.66E-09	1.25E-08	1.62E-10	1.63E-08	4.15E-10	2.19E-09	3.85E-11	2.65E-09	3.77E-10	1.15E-09	1.16E-11	1.54E-09
4848	469309.26	3818140.95	4.42E-09	1.71E-08	2.27E-10	2.18E-08	3.68E-09	1.26E-08	1.63E-10	1.64E-08	4.17E-10	2.21E-09	3.87E-11	2.66E-09	3.79E-10	1.15E-09	1.17E-11	1.55E-09
4849	469318.17	3818137.42	4.44E-09	1.72E-08	2.28E-10	2.19E-08	3.70E-09	1.27E-08	1.64E-10	1.65E-08	4.19E-10	2.22E-09	3.89E-11	2.67E-09	3.81E-10	1.16E-09	1.18E-11	1.55E-09
4850	469327.08	3818133.89	4.46E-09	1.73E-08	2.29E-10	2.20E-08	3.72E-09	1.27E-08	1.65E-10	1.66E-08	4.21E-10	2.23E-09	3.91E-11	2.69E-09	3.83E-10	1.17E-09	1.18E-11	1.56E-09
4851	469335.99	3818130.36	4.49E-09	1.74E-08	2.31E-10	2.21E-08	3.74E-09	1.28E-08	1.65E-10	1.67E-08	4.24E-10	2.24E-09	3.93E-11	2.70E-09	3.85E-10	1.17E-09	1.19E-11	1.57E-09
4852	469344.9	3818126.83	4.51E-09	1.75E-08	2.32E-10	2.22E-08	3.76E-09	1.29E-08	1.66E-10	1.68E-08	4.26E-10	2.25E-09	3.95E-11	2.72E-09	3.87E-10	1.18E-09	1.20E-11	1.58E-09
4853	469353.81	3818123.3	4.53E-09	1.76E-08	2.33E-10	2.24E-08	3.78E-09	1.29E-08	1.67E-10	1.69E-08	4.28E-10	2.26E-09	3.97E-11	2.73E-09	3.89E-10	1.19E-09	1.20E-11	1.59E-09
4854	469362.72	3818119.77	4.56E-09	1.77E-08	2.34E-10	2.25E-08	3.80E-09	1.30E-08	1.68E-10	1.70E-08	4.31E-10	2.28E-09	4.00E-11	2.75E-09	3.91E-10	1.19E-09	1.21E-11	1.60E-09
4855	469371.63	3818116.25	4.58E-09	1.78E-08	2.35E-10	2.26E-08	3.81E-09	1.30E-08	1.69E-10	1.70E-08	4.32E-10	2.29E-09	4.01E-11	2.76E-09	3.93E-10	1.20E-09	1.21E-11	1.60E-09
4856	469380.54	3818112.72	4.60E-09	1.78E-08	2.36E-10	2.27E-08	3.83E-09	1.31E-08	1.69E-10	1.71E-08	4.34E-10	2.29E-09	4.03E-11	2.77E-09	3.95E-10	1.20E-09	1.22E-11	1.61E-09
4857	469389.45	3818109.19	4.61E-09	1.79E-08	2.37E-10	2.27E-08	3.84E-09	1.32E-08	1.70E-10	1.72E-08	4.36E-10	2.30E-09	4.04E-11	2.78E-09	3.96E-10	1.21E-09	1.22E-11	1.61E-09
4858	469398.36	3818105.66	4.64E-09	1.80E-08	2.38E-10	2.29E-08	3.86E-09	1.32E-08	1.71E-10	1.72E-08	4.38E-10	2.31E-09	4.06E-11	2.79E-09	3.98E-10	1.21E-09	1.23E-11	1.62E-09
4859	469407.27	3818102.13	4.66E-09	1.81E-08	2.39E-10	2.30E-08	3.88E-09	1.33E-08	1.72E-10	1.73E-08	4.40E-10	2.33E-09	4.08E-11	2.81E-09	4.00E-10	1.22E-09	1.23E-11	1.63E-09
4860	469416.18	3818098.6	4.68E-09	1.81E-08	2.40E-10	2.31E-08	3.90E-09	1.33E-08	1.73E-10	1.74E-08	4.42E-10	2.34E-09	4.10E-11	2.82E-09	4.02E-10	1.22E-09	1.24E-11	1.64E-09
4861	469425.09	3818095.07	4.71E-09	1.82E-08	2.42E-10	2.32E-08	3.92E-09	1.34E-08	1.74E-10	1.75E-08	4.44E-10	2.35E-09	4.12E-11	2.83E-09	4.04E-10	1.23E-09	1.25E-11	1.65E-09
4862	469434	3818091.54	4.73E-09	1.83E-08	2.43E-10	2.33E-08	3.94E-09	1.35E-08	1.74E-10	1.76E-08	4.47E-10	2.36E-09	4.15E-11	2.85E-09	4.06E-10	1.24E-09	1.25E-11	1.66E-09
4863	469442.91	3818088.01	4.76E-09	1.84E-08	2.44E-10	2.34E-08	3.96E-09	1.36E-08	1.75E-10	1.77E-08	4.49E-10	2.37E-09	4.17E-11	2.87E-09	4.08E-10	1.24E-09	1.26E-11	1.66E-09
4864	469451.82	3818084.48	4.79E-09	1.86E-08	2.46E-10	2.36E-08	3.99E-09	1.36E-08	1.77E-10	1.78E-08	4.52E-10	2.39E-09	4.20E-11	2.88E-09	4.11E-10	1.25E-09	1.27E-11	1.68E-09
4865	469460.73	3818080.96	4.83E-09	1.87E-08	2.48E-10	2.38E-08	4.02E-09	1.38E-08	1.78E-10	1.79E-08	4.56E-10	2.41E-09	4.23E-11	2.91E-09	4.14E-10	1.26E-09	1.28E-11	1.69E-09
4866	469469.64	3818077.43	4.86E-09	1.89E-08	2.50E-10	2.40E-08	4.05E-09	1.39E-08	1.79E-10	1.81E-08	4.59E-10	2.43E-09	4.26E-11	2.93E-09	4.17E-10	1.27E-09	1.29E-11	1.70E-09
4867	469478.55	3818073.9	4.90E-09	1.90E-08	2.52E-10	2.42E-08	4.08E-09	1.40E-08	1.81E-10	1.82E-08	4.63E-10	2.45E-09	4.30E-11	2.95E-09	4.21E-10	1.28E-09	1.30E-11	1.72E-09
4868	469487.46	3818070.37	4.94E-09	1.92E-08	2.54E-10	2.43E-08	4.11E-09	1.41E-08	1.82E-10	1.84E-08	4.66E-10	2.47E-09	4.33E-11	2.97E-09	4.24E-10	1.29E-09	1.31E-11	1.73E-09
4869	469496.37	3818066.84	4.97E-09	1.93E-08	2.56E-10	2.45E-08	4.14E-09	1.42E-08	1.83E-10	1.85E-08	4.70E-10	2.48E-09	4.36E-11	3.00E-09	4.27E-10	1.30E-09	1.32E-11	1.74E-09
4870	469505.28	3818063.31	5.01E-09	1.94E-08	2.57E-10	2.47E-08	4.17E-09	1.43E-08	1.85E-10	1.86E-08	4.73E-10	2.50E-09	4.39E-11	3.02E-09	4.30E-10	1.31E-09	1.33E-11	1.75E-09
4871	469514.19	3818059.78	5.05E-09	1.96E-08	2.59E-10	2.49E-08	4.20E-09	1.44E-08	1.86E-10	1.88E-08	4.77E-10	2.52E-09	4.42E-11	3.04E-09	4.33E-10	1.32E-09	1.34E-11	1.77E-09
4872	469523.1	3818056.25	5.08E-09	1.97E-08	2.61E-10	2.51E-08	4.23E-09	1.45E-08	1.87E-10	1.89E-08	4.80E-10	2.54E-09	4.45E-11	3.06E-09	4.36E-10	1.33E-09	1.35E-11	1.78E-09
4873	469532.01	3818052.72	5.12E-09	1.99E-08	2.63E-10	2.53E-08	4.27E-09	1.46E-08	1.89E-10	1.91E-08	4.84E-10	2.56E-09	4.49E-11	3.09E-09	4.40E-10	1.34E-09	1.36E-11	1.79E-09
4874	469540.92	3818049.19	5.16E-09	2.00E-08	2.65E-10	2.55E-08	4.30E-09	1.47E-08	1.90E-10	1.92E-08	4.88E-10	2.58E-09	4.52E-11	3.11E-09	4.43E-10	1.35E-09	1.37E-11	1.81E-09
4875	469549.83	3818045.67	5.21E-09	2.02E-08	2.68E-10	2.57E-08	4.34E-09	1.48E-08	1.92E-10	1.94E-08	4.92E-10	2.60E-09	4.56E-11	3.14E-09	4.47E-10	1.36E-09	1.38E-11	1.82E-09
4876	469558.74	3818042.14	5.25E-09	2.04E-08	2.70E-10	2.59E-08	4.37E-09	1.50E-08	1.94E-10	1.95E-08	4.96E-10	2.62E-09	4.60E-11	3.16E-09	4.51E-10	1.37E-09	1.39E-11	1.84E-09
4877	469567.65	3818038.61	5.29E-09	2.05E-08	2.72E-10	2.61E-08	4.41E-09	1.51E-08	1.95E-10	1.97E-08	5.00E-10	2.64E-09	4.64E-11	3.19E-09	4.54E-10	1.38E-09	1.40E-11	1.85E-09
4878	469576.56	3818035.08	5.33E-09	2.07E-08	2.74E-10	2.63E-08	4.44E-09	1.52E-08	1.97E-10	1.98E-08	5.03E-10	2.66E-09	4.67E-11	3.21E-09	4.58E-10	1.39E-09	1.41E-11	1.87E-09
4879	469585.47	3818031.55	5.37E-09	2.08E-08	2.76E-10	2.65E-08	4.47E-09	1.53E-08	1.98E-10	2.00E-08	5.07E-10	2.68E-09	4.70E-11	3.23E-09	4.61E-10	1.40E-09	1.42E-11	1.88E-09
4880	469594.38	3818028.02	5.40E-09	2.09E-08	2.77E-10	2.66E-08	4.50E-09	1.54E-08	1.99E-10	2.01E-08	5.10E-10	2.70E-09	4.73E-11	3.25E-09	4.64E-10	1.41E-09	1.43E-11	1.89E-09
4881	469603.29	3818024.49	5.44E-09	2.11E-08	2.79E-10	2.68E-08	4.53E-09	1.55E-08	2.00E-10	2.02E-08	5.13E-10	2.71E-09	4.76E-11	3.27E-09	4.67E-10	1.42E-09	1.44E-11	1.90E-09
4882	469612.2	3818020.96	5.47E-09	2.12E-08	2.81E-10	2.70E-08	4.56E-09	1.56E-08	2.02E-10	2.03E-08	5.16E-10	2.73E-09	4.79E-11	3.29E-09	4.69E-10	1.43E-09	1.45E-11	1.91E-09
4883	469621.11	3818017.43	5.50E-09	2.13E-08	2.83E-10	2.71E-08	4.58E-09	1.57E-08	2.03E-10	2.05E-08	5.19E-10	2.75E-09	4.82E-11	3.31E-09	4.72E-10	1.44E-09	1.46E-11	1.92E-09
4884	469630.02	3818013.9	5.53E-09	2.14E-08	2.84E-10	2.73E-08	4.61E-09	1.58E-08	2.04E-10	2.06E-08	5.22E-10	2.76E-09	4.85E-11	3.33E-09	4.75E-10	1.45E-09	1.47E-11	1.94E-09
4885	469638.93	3818010.38	5.56E-09	2.16E-08	2.86E-10	2.74E-08	4.63E-09	1.58E-08	2.05E-10	2.07E-08	5.25E-10	2.78E-09	4.87E-11	3.35E-09	4.77E-10	1.45E-09	1.47E-11	1.95E-09
4886	469647.84	3818006.85	5.59E-09	2.17E-08	2.87E-10	2.76E-08	4.66E-09	1.59E-08	2.06E-10	2.08E-08	5.28E-10	2.79E-09	4.90E-11	3.37E-09	4.80E-10	1.46E-09	1.48E-11	1.96E-09
4887	469656.75	3818003.32	5.61E-09	2.18E-08	2.88E-10	2.77E-08	4.68E-09	1.60E-08	2.07E-10	2.09E-08	5.30E-10	2.80E-09	4.92E-11	3.38E-09	4.82E-10	1.47E-09	1.49E-11	1.96E-09
4888	469665.66	3817999.79	5.64E-09	2.19E-08	2.90E-10	2.78E-08	4.70E-09	1.61E-08	2.08E-10	2.10E-08	5.33E-10	2.82E-09	4.94E-11	3.40E-09	4.84E-10	1.47E-09	1.50E-11	1.97E-09
4889	469674.58	3817996.26	5.66E-09	2.20E-08	2.91E-10	2.79E-08	4.72E-09	1.61E-08	2.09E-10	2.11E-08	5.35E-10	2.83E-09	4.96E-11	3.41E-09	4.86E-10	1.48E-09	1.50E-11	1.98E-09
4890	469710.22	3817982.14	5.73E-09	2.22E-08	2.94E-10	2.82E-08	4.77E-09	1.63E-08	2.11E-10	2.13E-08	5.41E-10	2.86E-09	5.02E-11	3.45E-09	4.92E-10	1.50E-09	1.52E-11	2.00E-09
4891	469719.13	3817978.61	5.74E-09	2.23E-08	2.95E-10	2.83E-08	4.78E-09	1.64E-08	2.12E-10	2.13E-08	5.42E-10	2.86E-09	5.03E-11	3.46E-09	4.93E-10	1.50E-09	1.52E-11	2.01E-09
4892	469728.04	3817975.09	5.75E-09	2.23E-08	2.95E-10	2.83E-08	4.79E-09	1.64E-08	2.12E-10	2.14E-08	5.43E-10	2.87E-09	5.04E-11	3.46E-09	4.93E-10	1.50E-09	1.52E-11	2.01

4893	469736.95	3817971.56	5.76E-09	2.23E-08	2.96E-10	2.84E-08	4.80E-09	1.64E-08	2.12E-10	2.14E-08	5.44E-10	2.88E-09	5.05E-11	3.47E-09	4.94E-10	1.51E-09	1.53E-11	2.02E-09
4894	469745.86	3817968.03	5.77E-09	2.24E-08	2.96E-10	2.84E-08	4.80E-09	1.64E-08	2.13E-10	2.15E-08	5.45E-10	2.88E-09	5.05E-11	3.47E-09	4.95E-10	1.51E-09	1.53E-11	2.02E-09
4895	469754.77	3817964.5	5.77E-09	2.24E-08	2.97E-10	2.85E-08	4.81E-09	1.65E-08	2.13E-10	2.15E-08	5.45E-10	2.88E-09	5.06E-11	3.48E-09	4.96E-10	1.51E-09	1.53E-11	2.02E-09
4896	469763.68	3817960.97	5.78E-09	2.24E-08	2.97E-10	2.85E-08	4.82E-09	1.65E-08	2.13E-10	2.15E-08	5.46E-10	2.89E-09	5.07E-11	3.48E-09	4.96E-10	1.51E-09	1.53E-11	2.02E-09
4897	469772.59	3817957.44	5.78E-09	2.24E-08	2.97E-10	2.85E-08	4.82E-09	1.65E-08	2.13E-10	2.15E-08	5.46E-10	2.89E-09	5.07E-11	3.49E-09	4.97E-10	1.51E-09	1.53E-11	2.02E-09
4898	469781.5	3817953.91	5.79E-09	2.25E-08	2.98E-10	2.86E-08	4.82E-09	1.65E-08	2.14E-10	2.15E-08	5.47E-10	2.89E-09	5.08E-11	3.49E-09	4.97E-10	1.51E-09	1.54E-11	2.03E-09
4899	469790.41	3817950.38	5.80E-09	2.25E-08	2.98E-10	2.86E-08	4.83E-09	1.65E-08	2.14E-10	2.16E-08	5.48E-10	2.90E-09	5.08E-11	3.49E-09	4.98E-10	1.52E-09	1.54E-11	2.03E-09
4900	469799.32	3817946.85	5.80E-09	2.25E-08	2.98E-10	2.86E-08	4.83E-09	1.65E-08	2.14E-10	2.16E-08	5.48E-10	2.90E-09	5.09E-11	3.50E-09	4.98E-10	1.52E-09	1.54E-11	2.03E-09
4901	469808.23	3817943.33	5.81E-09	2.25E-08	2.99E-10	2.87E-08	4.84E-09	1.66E-08	2.14E-10	2.16E-08	5.49E-10	2.90E-09	5.09E-11	3.50E-09	4.99E-10	1.52E-09	1.54E-11	2.03E-09
4902	469817.14	3817939.8	5.82E-09	2.26E-08	2.99E-10	2.87E-08	4.85E-09	1.66E-08	2.15E-10	2.17E-08	5.50E-10	2.91E-09	5.10E-11	3.51E-09	5.00E-10	1.52E-09	1.54E-11	2.04E-09
4903	469826.05	3817936.27	5.84E-09	2.26E-08	3.00E-10	2.88E-08	4.86E-09	1.66E-08	2.15E-10	2.17E-08	5.51E-10	2.91E-09	5.11E-11	3.52E-09	5.01E-10	1.53E-09	1.55E-11	2.04E-09
4904	469834.96	3817932.74	5.85E-09	2.27E-08	3.01E-10	2.88E-08	4.87E-09	1.67E-08	2.16E-10	2.18E-08	5.52E-10	2.92E-09	5.13E-11	3.52E-09	5.02E-10	1.53E-09	1.55E-11	2.05E-09
4905	469843.87	3817929.21	5.86E-09	2.27E-08	3.01E-10	2.89E-08	4.89E-09	1.67E-08	2.16E-10	2.18E-08	5.54E-10	2.93E-09	5.14E-11	3.53E-09	5.03E-10	1.53E-09	1.55E-11	2.05E-09
4906	469852.78	3817925.68	5.88E-09	2.28E-08	3.02E-10	2.90E-08	4.90E-09	1.68E-08	2.17E-10	2.19E-08	5.55E-10	2.94E-09	5.15E-11	3.54E-09	5.05E-10	1.54E-09	1.56E-11	2.06E-09
4907	469861.69	3817922.15	5.90E-09	2.29E-08	3.03E-10	2.91E-08	4.91E-09	1.68E-08	2.18E-10	2.19E-08	5.57E-10	2.94E-09	5.17E-11	3.55E-09	5.06E-10	1.54E-09	1.56E-11	2.06E-09
4908	469870.6	3817918.62	5.92E-09	2.30E-08	3.04E-10	2.92E-08	4.93E-09	1.69E-08	2.18E-10	2.20E-08	5.59E-10	2.96E-09	5.19E-11	3.57E-09	5.08E-10	1.55E-09	1.57E-11	2.07E-09
4909	469879.51	3817915.09	5.95E-09	2.31E-08	3.06E-10	2.93E-08	4.96E-09	1.70E-08	2.20E-10	2.21E-08	5.62E-10	2.97E-09	5.22E-11	3.59E-09	5.11E-10	1.56E-09	1.58E-11	2.08E-09
4910	469888.42	3817911.56	5.98E-09	2.32E-08	3.07E-10	2.95E-08	4.98E-09	1.70E-08	2.20E-10	2.22E-08	5.64E-10	2.98E-09	5.24E-11	3.60E-09	5.13E-10	1.56E-09	1.58E-11	2.09E-09
4911	469897.33	3817908.04	6.01E-09	2.33E-08	3.09E-10	2.96E-08	5.00E-09	1.71E-08	2.22E-10	2.23E-08	5.67E-10	3.00E-09	5.26E-11	3.62E-09	5.16E-10	1.57E-09	1.59E-11	2.10E-09
4912	469906.24	3817904.51	6.05E-09	2.35E-08	3.11E-10	2.98E-08	5.04E-09	1.72E-08	2.23E-10	2.25E-08	5.71E-10	3.02E-09	5.30E-11	3.64E-09	5.19E-10	1.58E-09	1.60E-11	2.12E-09
4913	469915.15	3817900.98	6.09E-09	2.36E-08	3.13E-10	3.00E-08	5.07E-09	1.74E-08	2.25E-10	2.27E-08	5.75E-10	3.04E-09	5.34E-11	3.67E-09	5.23E-10	1.59E-09	1.61E-11	2.13E-09
4914	469924.06	3817897.45	6.14E-09	2.38E-08	3.15E-10	3.03E-08	5.11E-09	1.75E-08	2.26E-10	2.28E-08	5.80E-10	3.06E-09	5.38E-11	3.70E-09	5.27E-10	1.60E-09	1.63E-11	2.15E-09
4915	469977.52	3817876.27	6.41E-09	2.48E-08	3.29E-10	3.16E-08	5.34E-09	1.83E-08	2.36E-10	2.38E-08	6.05E-10	3.20E-09	5.61E-11	3.86E-09	5.50E-10	1.67E-09	1.70E-11	2.24E-09
4916	469986.43	3817872.75	6.46E-09	2.51E-08	3.32E-10	3.19E-08	5.38E-09	1.84E-08	2.38E-10	2.40E-08	6.10E-10	3.23E-09	5.66E-11	3.89E-09	5.55E-10	1.69E-09	1.71E-11	2.26E-09
4917	469995.34	3817869.22	6.52E-09	2.53E-08	3.35E-10	3.21E-08	5.43E-09	1.86E-08	2.40E-10	2.42E-08	6.15E-10	3.25E-09	5.71E-11	3.93E-09	5.59E-10	1.70E-09	1.73E-11	2.28E-09
4918	470004.25	3817865.69	6.57E-09	2.55E-08	3.37E-10	3.24E-08	5.47E-09	1.87E-08	2.42E-10	2.44E-08	6.20E-10	3.28E-09	5.75E-11	3.96E-09	5.64E-10	1.72E-09	1.74E-11	2.30E-09
4919	470013.16	3817862.16	6.62E-09	2.57E-08	3.40E-10	3.26E-08	5.51E-09	1.89E-08	2.44E-10	2.46E-08	6.25E-10	3.30E-09	5.80E-11	3.99E-09	5.68E-10	1.73E-09	1.75E-11	2.32E-09
4920	470022.07	3817858.63	6.66E-09	2.58E-08	3.42E-10	3.28E-08	5.55E-09	1.90E-08	2.46E-10	2.48E-08	6.29E-10	3.33E-09	5.84E-11	4.01E-09	5.72E-10	1.74E-09	1.77E-11	2.33E-09
4921	470048.8	3817848.04	6.77E-09	2.62E-08	3.48E-10	3.34E-08	5.64E-09	1.93E-08	2.50E-10	2.52E-08	6.39E-10	3.38E-09	5.93E-11	4.08E-09	5.81E-10	1.77E-09	1.79E-11	2.37E-09
4922	470057.71	3817844.51	6.79E-09	2.63E-08	3.49E-10	3.35E-08	5.65E-09	1.93E-08	2.50E-10	2.53E-08	6.41E-10	3.39E-09	5.95E-11	4.09E-09	5.83E-10	1.77E-09	1.80E-11	2.38E-09
4923	470066.62	3817840.98	6.81E-09	2.64E-08	3.50E-10	3.36E-08	5.67E-09	1.94E-08	2.51E-10	2.53E-08	6.43E-10	3.40E-09	5.96E-11	4.10E-09	5.84E-10	1.78E-09	1.80E-11	2.38E-09
4924	470075.53	3817837.46	6.81E-09	2.64E-08	3.50E-10	3.36E-08	5.68E-09	1.94E-08	2.51E-10	2.53E-08	6.43E-10	3.40E-09	5.97E-11	4.11E-09	5.85E-10	1.78E-09	1.81E-11	2.38E-09
4925	470084.44	3817833.93	6.81E-09	2.64E-08	3.50E-10	3.36E-08	5.68E-09	1.94E-08	2.51E-10	2.53E-08	6.43E-10	3.40E-09	5.97E-11	4.11E-09	5.85E-10	1.78E-09	1.81E-11	2.38E-09
4926	470093.35	3817830.4	6.81E-09	2.64E-08	3.50E-10	3.36E-08	5.68E-09	1.94E-08	2.51E-10	2.53E-08	6.43E-10	3.40E-09	5.97E-11	4.11E-09	5.85E-10	1.78E-09	1.81E-11	2.38E-09
4927	470102.27	3817826.87	6.80E-09	2.64E-08	3.50E-10	3.35E-08	5.67E-09	1.94E-08	2.51E-10	2.53E-08	6.42E-10	3.40E-09	5.96E-11	4.10E-09	5.84E-10	1.78E-09	1.80E-11	2.38E-09
4928	468688.85	3819227.01	1.88E-09	7.28E-09	9.64E-11	9.25E-09	1.56E-09	5.35E-09	6.92E-11	6.98E-09	1.77E-10	9.37E-10	1.64E-11	1.13E-09	1.61E-10	4.90E-10	4.97E-12	6.57E-10
4929	468688.66	3819236.66	1.91E-09	7.40E-09	9.81E-11	9.41E-09	1.59E-09	5.44E-09	7.04E-11	7.10E-09	1.80E-10	9.53E-10	1.67E-11	1.15E-09	1.64E-10	4.99E-10	5.06E-12	6.68E-10
4930	468688.46	3819246.31	1.94E-09	7.53E-09	9.98E-11	9.57E-09	1.62E-09	5.53E-09	7.16E-11	7.22E-09	1.83E-10	9.69E-10	1.70E-11	1.17E-09	1.67E-10	5.08E-10	5.15E-12	6.79E-10
4931	468688.27	3819255.95	1.97E-09	7.66E-09	1.01E-10	9.73E-09	1.64E-09	5.63E-09	7.28E-11	7.34E-09	1.86E-10	9.86E-10	1.73E-11	1.19E-09	1.69E-10	5.16E-10	5.23E-12	6.91E-10
4932	468688.08	3819265.6	2.01E-09	7.80E-09	1.03E-10	9.91E-09	1.67E-09	5.73E-09	7.42E-11	7.48E-09	1.90E-10	1.00E-09	1.76E-11	1.21E-09	1.73E-10	5.26E-10	5.33E-12	7.04E-10
4933	468687.88	3819275.25	2.04E-09	7.93E-09	1.05E-10	1.01E-08	1.70E-09	5.82E-09	7.54E-11	7.60E-09	1.93E-10	1.02E-09	1.79E-11	1.23E-09	1.75E-10	5.34E-10	5.42E-12	7.15E-10
4934	468687.69	3819284.9	2.08E-09	8.05E-09	1.07E-10	1.02E-08	1.73E-09	5.92E-09	7.66E-11	7.72E-09	1.96E-10	1.04E-09	1.82E-11	1.25E-09	1.78E-10	5.43E-10	5.50E-12	7.26E-10
4935	468687.5	3819294.55	2.11E-09	8.17E-09	1.08E-10	1.04E-08	1.75E-09	6.00E-09	7.76E-11	7.83E-09	1.99E-10	1.05E-09	1.84E-11	1.27E-09	1.81E-10	5.50E-10	5.58E-12	7.37E-10
4936	468687.3	3819304.2	2.13E-09	8.28E-09	1.10E-10	1.05E-08	1.78E-09	6.08E-09	7.87E-11	7.94E-09	2.02E-10	1.07E-09	1.87E-11	1.29E-09	1.83E-10	5.58E-10	5.66E-12	7.47E-10
4937	468687.11	3819313.84	2.16E-09	8.38E-09	1.11E-10	1.06E-08	1.80E-09	6.16E-09	7.97E-11	8.03E-09	2.04E-10	1.08E-09	1.89E-11	1.30E-09	1.85E-10	5.65E-10	5.73E-12	7.56E-10
4938	468686.92	3819323.49	2.19E-09	8.48E-09	1.12E-10	1.08E-08	1.82E-09	6.23E-09	8.06E-11	8.13E-09	2.06E-10	1.09E-09	1.91E-11	1.32E-09	1.88E-10	5.71E-10	5.79E-12	7.65E-10
4939	468686.72	3819333.14	2.21E-09	8.57E-09	1.14E-10	1.09E-08	1.84E-09	6.30E-09	8.15E-11	8.22E-09	2.09E-10	1.10E-09	1.94E-11	1.33E-09	1.90E-10	5.78E-10	5.86E-12	7.74E-10
4940	468686.53	3819342.79	2.23E-09	8.66E-09	1.15E-10	1.10E-08	1.86E-09	6.36E-09	8.23E-11	8.30E-09	2.11E-10	1.11E-09	1.96E-11	1.35E-09	1.92E-10	5.84E-10	5.92E-12	7.81E-10
4941	468686.34	3819352.44	2.25E-09	8.73E-09	1.16E-10	1.11E-08	1.87E-09	6.41E-09	8.30E-11	8.37E-09	2.13E-10	1.12E-09	1.97E-11	1.36E-09	1.93E-10	5.88E-10	5.97E-12	7.88E-10
4942	468686.14	3819362.08	2.27E-09	8.80E-09	1.17E-10	1.12E-08	1.89E-09	6.47E-09	8.37E-11	8.44E-09	2.14E-10	1.13E-09	1.99E-11	1.37E-09	1.95E-10	5.93E-10	6.01E-12	7.94E-10
4943	468685.95	3819371.73	2.28E-09	8.86E-09	1.17E-10	1.13E-08	1.90E-09	6.51E-09	8.42E-11	8.49E-09	2.16E-10	1.14E-09	2.00E-11	1.38E-09	1.96E-10	5.97E-10	6.05E-12	7.99E-10
4944	468685.76	3819381.38	2.30E-09	8.91E-09	1.18E-10	1.13E-08	1.91E-09	6.55E-09	8.47E-11	8.55E-09	2.17E-10	1.15E-09	2.01E-11	1.38E-09	1.97E-10	6.01E-10	6.09E-12	8.04E-10
4945	468685.56	3819391.03	2.31E-09	8.95E-09	1.19E-10	1.14E-08	1.92E-09	6.58E-09	8.52E-11	8.59E-09	2.18E-10	1.15E-09	2.02E-11	1.39E-09	1.98E-10	6.04E-10	6.12E-12	8.08E-10
4946	468685.37	3819400.68	2.32E-09	9.00E-09	1.19E-10	1.14E-08	1.93E-09	6.61E-09	8.56E-11	8.63E-09	2.19E-10	1.16E-09	2.03E-11	1.40E-09	1.99E-10	6.06E-10	6.15E-12	8.12E-10
4947	468685.18	3819410.33	2.33E-09	9.04E-09	1.20E-10	1.15E-08	1.94E-09	6.64E-09	8.60E-11	8.67E-09	2.20E-10	1.16E-09	2.04E-11	1.40E-09	2.00E-10	6.09E-10	6.18E-12	8.16E-10
4948	468684.98	3819419.97	2.34E-09	9.07E-09	1.20E-10	1.15E-08	1.95E-09	6.66E-09	8.62E-11	8.70E-09	2.21E-10	1.17E-09	2.05E-11	1.41E-09	2.01E-10	6.11E-10	6.20E-12	8.18E-10
4949	468616.94	3819188.49	1.60E-09	6.20E-09	8.22E-11	7.89E-09	1.33E-09	4.56E-09	5.90E-11	5.95E-09	1.51E-10	7.99E-10	1.40E-11	9.64E-10	1.37E-10	4.18E-10	4.24E-12	5.60E-10
4950	468620.78	3819179.68	1.58E-09	6.13E-09	8.13E-11	7.80E-09	1.32E-09	4.51E-09	5.83E-11	5.88E-09	1.49E-10	7.90E-10	1.39E-11	9.53E-10	1.36E-10	4.13E-10	4.19E-12	5.53E-10
4951	468624.62	3819170.87	1.57E-09	6.08E-09	8.05E-11	7.73E-09	1.31E-09	4.47E-09	5.78E-11	5.83E-09	1.48E-10	7.82E-10	1.37E-11	9.44E-10	1.35E-10	4.10E-10	4.15E-12	5.48E-10
4952	468628.46	3819162.05	1.55E-09	6.01E-09	7.96E-11	7.64E-09	1.29E-09	4.41E-09	5.71E-11	5.76E-09	1.46E-10	7.73E-10	1.36E-11	9.33E-10	1.33E-10	4.05E-10	4.11E-12	5.42E-10
4953	468632.31	3819153.24	1.53E-09	5.94E-09	7.87E-11	7.55E-09	1.28E-09	4.36E-09	5.65E-11	5.69E-09	1.45E-10	7.64E-10	1.34E-11	9.22E-10	1.31E-10	4.00E-10	4.06E-12	5.36E-10
4954	468636.15	3819144.43	1.52E-09	5.88E-09	7.79E-11	7.47E-09	1.26E-09	4.32E-09	5.59E-11	5.64E-09	1.43E-10	7.57E-10	1.33E-11	9.13E-10	1.30E-10	3.96E-10	4.02E-12	5.31E-10
4955	468639.99	3819135.62	1.50E-09	5.82E-09	7.72E-11	7.40E-09	1.25E-09	4.28E-09	5.54E-11	5.59E-09	1.42E-10	7.50E-10	1.32E-11	9.05E-10	1.29E-10	3.93E-10	3.98E-12	5.25E-10
4956	468643.84	3819126.81	1.49E-09	5.78E-09	7.66E-11	7.35E-09	1.24E-09	4.25E-09	5.50E-11	5.55E-09	1.41E-10	7.44E-10	1.31E-11	8.98E-10	1.28E-10	3.90E-10	3.95E-12	5.22E-10
4957	468647.68	3819118	1.48E-09	5.74E-09	7.60E-11	7.30E-09	1.23E-09	4.22E-09	5.46E-11	5.50E-09	1.40E-10	7.39E-10	1.30E-11	8.92E-10	1.27E-10	3.87E-10	3.92E-12	5.18E-10
4958	468651.52	3819109.18	1.47E-09	5.71E-09	7.57E-11	7.26E-09	1.23E-09	4.20E-09	5.43E-11	5.48E-09	1.39E-10	7.35E-10	1.29E-11	8.87E-10	1.26E-10	3.85E-10	3.90E-12	5.15E-10
4959	468655.36	3819100.37	1.46E-09	5.67E-09	7.51E-11	7.21E-09	1.22E-09	4.17E-09	5.39E-11	5.44E-09	1.38E-10	7.30E-10	1.28E-11	8.81E-10	1.25E-10	3.82E-10	3.87E-12	5.11E-10
4960	468659.21	3819091.56	1.46E-09	5.65E-09	7.49E-11	7.19E-09	1.21E-09	4.16E-09	5.38E-11	5.42E-09	1.38E-10	7.28E-10	1.28E-11	8.78E-10	1.25E-10	3.81E-10	3.87E-12	5.10E-10
4961	468663.05	3819082.75	1.45E-09	5.63E-09	7.45E-11	7.15E-09	1.21E-09	4.13E-09	5.35E-11	5.40E-09	1.37E-10	7.24E-10	1.27E-11	8.74E-10	1.25E-10	3.79E-10	3.85E-12	5.08E-10
4962	468666.89	3819073.94	1.45E-09	5.61E-09	7.44E-11	7.13E-09	1.21E-09	4.12E-09	5.34E-11	5.38E-09	1.37E-10	7.23E-10	1.27E-11	8.72E-10	1.24E-10	3.78E-10	3.84E-12	5.06E-10
4963	468670.74	3819065.13	1.44E-09	5.60E-09	7.42E-11	7.12E-09	1.20E-09	4.11E-09	5.32E-11	5.37E-09	1.36E-10	7.21E-10	1.26E-11	8.70E-10	1.24E-10	3.77E-10	3.83E-12	5.05E-10
4964	468674.58	3819056.31	1.44E-09	5.60E-09	7.42E-11	7.12E-09	1.20E-09	4.11E-09	5.32E-11	5.37E-09	1.36E-10	7.21E-10	1.26E-11	8.70E-10	1.24E-10	3.77E-10	3.83E-12	5.05E-10
4965	468678.42	3819047.5	1.44E-09	5.58E-09	7.40E-11	7.10E-09	1.20E-09	4.10E-09	5.31E-11	5.36E-09	1.36E-10	7.19E-10	1.26E-11	8.67E-10	1.24E-10	3.76E-10	3.82E-12	5.04E-10
4966	468682.26	3819038.69	1.44E-09	5.58E-09	7.40E-11	7.10E-09	1.20E-09	4.10E-09	5.31E-11	5.36E-09	1.36E-10	7.19E-10	1.26E-11	8.67E-10	1.24E-10	3.76E-10	3.82E-12	5.04E-10
4967	468686.11	3819029.88	1.44E-09	5.57E-09	7.38E-11	7.08E-09	1.20E-09	4.09E-09	5.30E-11	5.34E-09	1.36E-10	7.17E-10	1.26E-11	8.65E-10	1.23E-10	3.75E-10	3.81E-12	5.03E-10
4968	468689.95	3819021.07	1.44E-09	5.57E-09	7.38E-11	7.08E-09	1.20E-09	4.09E-09	5.30E-11	5.34E-09	1.36E-10	7.17E-10	1.26E-11	8.65E-10	1.23E-10	3.75E-10	3.81E-12	5.03E-10
4969	468693.79	3819012.26	1.44E-09	5.57E-09	7.38E-11	7.08E-09	1.20E-09	4.09E-09	5.30E-11	5.34E-09	1.36E-10	7.17E-10	1.26E-11	8.65E-10	1.23E-10	3.75E-10	3.81E-12	5.03E-10
4970	468697.64	3819003.45	1.44E-09	5.58E-09	7.40E-11	7.10E-09	1.20E-09	4.10E-09	5.31E-11	5.36E-09	1.36E-10	7.19E-10	1.26E-11	8.67E-10	1.24E-10	3.76E-10	3.82E-12	5.04E-10
4971	468701.48	3818994.63	1.44E-09	5.60E-09	7.42E-11	7.12E-09	1.20E-09	4.11E-09	5.32E-11	5.37E-09	1.36E-10	7.21E-10	1.26E-11	8.70E-10	1.24E-10	3.77E-10	3.83E-12	5.05E-10
4972	468705.32	3818985.82	1.45E-09	5.61E-09	7.44E-11	7.13E-09	1.21E-09	4.12E-09	5.34E-11	5.38E-09	1.37E-10	7.23E-10	1.27E-11	8.72E-10	1.24E-10	3.78E-10	3.84E-12	5.06E-10
4973	468709.16	3818977.01	1.45E-09	5.63E-09	7.45E-11	7.15E-09	1.21E-09	4.13E-09	5.35E-11	5.40E-09	1.37E-10	7.24E-10	1.27E-11	8.74E-10	1.25E-10	3.79E-10	3.85E-12	5.08E-10
4974	468713.01	3818968.2	1.45E-09	5.64E-09	7.47E-11	7.17E-09	1.21E-09	4.14E-09	5.36E-11	5.41E-09	1.37E-10	7.26E-10	1.27E-11	8.76E-10	1.25E-10	3.80E-10	3.86E-12	5.09E-10
4975	468716.85	3818959.39	1.46E-09	5.67E-09	7.51E-11	7.21E-09	1.22E-09	4.17E-09	5.39E-11	5.44E-09	1.38E-10	7.30E-10	1.28E-11	8.81E-10	1.25E-10	3.82E-10	3.87E-12	5.11E-10
4976	468720.69	3818950.58	1.47E-09	5.68E-09	7.53E-11	7.22E-09	1.22E-09	4.18E-09	5.40E-11	5.45E-09	1.38E-10	7.32E-10	1.28E-11	8.83E-10	1.26E-10	3.83E-10	3.88E-12	5.13E-10
4977	468724.54	3818941.76	1.47E-09	5.70E-09	7.55E-11	7.24E-09	1.22E-09	4.19E-09	5.42E-11	5.46E-09	1.39E-10	7.33E-10	1.29E-11	8.85E-10	1.26E-10	3.84E-10	3.89E-12	5.14E-10
4978	468728.38	3818932.95	1.48E-09	5.73E-09	7.59E-11	7.28E-09	1.23E-09	4.21E-09	5.44E-11	5.49E-09	1.39E-10	7.37E-10	1.29E-11	8.89E-10	1.27E-10	3.86E-10	3.91E-12	5.17E-10
4979	468732.22	3818924.14	1.48E-09	5.74E-09	7.60E-11	7.30E-09	1.23E-09	4.22E-09	5.46E-11	5.50E-09	1.40E-10	7.39E-10	1.30E-11	8.92E-10	1.27E-10	3.87E-10	3.92E-12	5.18E-10
4980	468736.06	3818915.33	1.49E-09	5.78E-09	7.66E-11	7.35E-09	1.24E-09	4.25E-09	5.50E-11	5.55E-09	1.41E-10	7.44E-10	1.31E-11	8.98E-10	1.28E-10	3.90E-10	3.95E-12	5.22E-10
4981	468966.63	3818386.63	2.94E-09	1.14E-08	1.51E-10	1.45E-08	2.45E-09	8.38E-09	1.08E-10	1.09E-08	2.78E-10	1.47E-09	2.58E-11	1.77E-09	2.53E-10	7.69E-10	7.80E-12	1.03E-09
4982	468970.48	3818377.82	2.94E-09	1.14E-08	1.51E-10	1.45E-08	2.45E-09	8.38E-09	1.08E-10	1.09E-08	2.78E-10	1.47E-09	2.58E-11	1.77E-09	2.53E-10	7.69E-10	7.80E-12	1.03E-09
4983	468974.32	3818369.01	2.94E-09	1.14E-08	1.51E-10	1.45E-08	2.45E-09	8.38E-09	1.08E-10	1.09E-08	2.78E-10	1.47E-09	2.58E-11	1.77E-09	2.53E-10	7.69E-10	7.80E-12	1.03E-09
4984	468978.16	3818360.2	2.94E-09	1.14E-08	1.51E-10	1.45E-08	2.45E-09	8.38E-09	1.08E-10	1.09E-08	2.78E-10	1.47E-09	2.58E-11	1.77E-09	2.53E-10	7.69E-10	7.80E-12	1.03E-09
4985	468982.01	3818351.39	2.94E-09	1.14E-08	1.51E-10	1.45E-08	2.45E-09	8.37E-09	1.08E-10	1.09E-08	2.77E-10	1.47E-09	2.57E-11	1.77E-09	2.52E-10	7.68E-10	7.79E-12	1.03E-09
4986	468985.85	3818342.57	2.94E-09	1.14E-08	1.51E-10	1.45E-08	2.45E-09	8.37E-09	1.08E-10	1.09E-08	2.77E-10	1.47E-09	2.57E-11	1.77E-09	2.52E-10	7.68E-10	7.79E-12	1.03E-09
4987	468989.69	3818333.76	2.94E-09	1.14E-08	1.51E-10	1.45E-08	2.45E-09	8.37E-09	1.08E-10	1.09E-08	2.77E-10	1.47E-09	2.57E-11	1.77E-09	2.52E-10	7.68E-10	7.79E-12	1.03E-09
4988	468993.53	3818324.95	2.93E-09	1.14E-08	1.51E-10	1.45E-08	2.44E-09	8.36E-09	1.08E-10	1.09E-08	2.77E-10	1.46E-09	2.57E-11	1.77E-09	2.52E-10	7.67E-10	7.78E-12

4989	468997.38	3818316.14	2.93E-09	1.14E-08	1.51E-10	1.44E-08	2.44E-09	8.35E-09	1.08E-10	1.09E-08	2.77E-10	1.46E-09	2.57E-11	1.77E-09	2.52E-10	7.66E-10	7.77E-12	1.03E-09
4990	469001.22	3818307.33	2.93E-09	1.14E-08	1.51E-10	1.44E-08	2.44E-09	8.35E-09	1.08E-10	1.09E-08	2.77E-10	1.46E-09	2.57E-11	1.77E-09	2.52E-10	7.66E-10	7.77E-12	1.03E-09
4991	469005.06	3818298.52	2.93E-09	1.14E-08	1.51E-10	1.44E-08	2.44E-09	8.35E-09	1.08E-10	1.09E-08	2.77E-10	1.46E-09	2.57E-11	1.77E-09	2.52E-10	7.66E-10	7.77E-12	1.03E-09
4992	469008.9	3818289.71	2.93E-09	1.14E-08	1.51E-10	1.44E-08	2.44E-09	8.35E-09	1.08E-10	1.09E-08	2.77E-10	1.46E-09	2.57E-11	1.77E-09	2.52E-10	7.66E-10	7.77E-12	1.03E-09
4993	469012.75	3818280.89	2.93E-09	1.14E-08	1.51E-10	1.45E-08	2.44E-09	8.36E-09	1.08E-10	1.09E-08	2.77E-10	1.46E-09	2.57E-11	1.77E-09	2.52E-10	7.67E-10	7.78E-12	1.03E-09
4994	469016.59	3818272.08	2.94E-09	1.14E-08	1.51E-10	1.45E-08	2.45E-09	8.37E-09	1.08E-10	1.09E-08	2.77E-10	1.47E-09	2.57E-11	1.77E-09	2.52E-10	7.68E-10	7.79E-12	1.03E-09
4995	469020.43	3818263.27	2.94E-09	1.14E-08	1.51E-10	1.45E-08	2.45E-09	8.37E-09	1.08E-10	1.09E-08	2.77E-10	1.47E-09	2.57E-11	1.77E-09	2.52E-10	7.68E-10	7.79E-12	1.03E-09
4996	469024.28	3818254.46	2.94E-09	1.14E-08	1.51E-10	1.45E-08	2.45E-09	8.37E-09	1.08E-10	1.09E-08	2.77E-10	1.47E-09	2.57E-11	1.77E-09	2.52E-10	7.68E-10	7.79E-12	1.03E-09
4997	469028.12	3818245.65	2.94E-09	1.14E-08	1.51E-10	1.45E-08	2.45E-09	8.38E-09	1.08E-10	1.09E-08	2.78E-10	1.47E-09	2.58E-11	1.77E-09	2.53E-10	7.69E-10	7.80E-12	1.03E-09
4998	469031.96	3818236.84	2.95E-09	1.14E-08	1.51E-10	1.45E-08	2.45E-09	8.39E-09	1.09E-10	1.10E-08	2.78E-10	1.47E-09	2.58E-11	1.77E-09	2.53E-10	7.70E-10	7.81E-12	1.03E-09
4999	469035.8	3818228.02	2.96E-09	1.15E-08	1.52E-10	1.46E-08	2.46E-09	8.42E-09	1.09E-10	1.10E-08	2.79E-10	1.48E-09	2.59E-11	1.78E-09	2.54E-10	7.73E-10	7.84E-12	1.03E-09
5000	469039.65	3818219.21	2.97E-09	1.15E-08	1.52E-10	1.46E-08	2.47E-09	8.46E-09	1.09E-10	1.10E-08	2.80E-10	1.48E-09	2.60E-11	1.79E-09	2.55E-10	7.76E-10	7.87E-12	1.04E-09
5001	469043.49	3818210.4	2.98E-09	1.16E-08	1.53E-10	1.47E-08	2.48E-09	8.49E-09	1.10E-10	1.11E-08	2.81E-10	1.49E-09	2.61E-11	1.79E-09	2.56E-10	7.79E-10	7.89E-12	1.04E-09
5002	469047.33	3818201.59	2.99E-09	1.16E-08	1.54E-10	1.47E-08	2.49E-09	8.52E-09	1.10E-10	1.11E-08	2.82E-10	1.49E-09	2.62E-11	1.80E-09	2.57E-10	7.81E-10	7.92E-12	1.05E-09
5003	469051.18	3818192.78	3.00E-09	1.16E-08	1.54E-10	1.48E-08	2.50E-09	8.56E-09	1.11E-10	1.12E-08	2.84E-10	1.50E-09	2.63E-11	1.81E-09	2.58E-10	7.85E-10	7.96E-12	1.05E-09
5004	469055.02	3818183.97	3.02E-09	1.17E-08	1.55E-10	1.49E-08	2.52E-09	8.61E-09	1.11E-10	1.12E-08	2.85E-10	1.51E-09	2.65E-11	1.82E-09	2.59E-10	7.90E-10	8.01E-12	1.06E-09
5005	469058.86	3818175.15	3.04E-09	1.18E-08	1.56E-10	1.50E-08	2.53E-09	8.65E-09	1.12E-10	1.13E-08	2.87E-10	1.52E-09	2.66E-11	1.83E-09	2.61E-10	7.94E-10	8.05E-12	1.06E-09
5006	469062.7	3818166.34	3.05E-09	1.18E-08	1.57E-10	1.51E-08	2.54E-09	8.70E-09	1.13E-10	1.14E-08	2.88E-10	1.52E-09	2.68E-11	1.84E-09	2.62E-10	7.98E-10	8.10E-12	1.07E-09
5007	469075.48	3818153.99	3.12E-09	1.21E-08	1.60E-10	1.54E-08	2.60E-09	8.90E-09	1.15E-10	1.16E-08	2.95E-10	1.56E-09	2.74E-11	1.88E-09	2.68E-10	8.17E-10	8.28E-12	1.09E-09
5008	469084.42	3818150.45	3.17E-09	1.23E-08	1.63E-10	1.56E-08	2.64E-09	9.05E-09	1.17E-10	1.18E-08	3.00E-10	1.58E-09	2.78E-11	1.91E-09	2.73E-10	8.30E-10	8.42E-12	1.11E-09
5009	469093.36	3818146.91	3.23E-09	1.25E-08	1.66E-10	1.59E-08	2.69E-09	9.19E-09	1.19E-10	1.20E-08	3.05E-10	1.61E-09	2.83E-11	1.94E-09	2.77E-10	8.43E-10	8.55E-12	1.13E-09
5010	469102.3	3818143.37	3.28E-09	1.27E-08	1.68E-10	1.62E-08	2.73E-09	9.34E-09	1.21E-10	1.22E-08	3.09E-10	1.64E-09	2.87E-11	1.97E-09	2.81E-10	8.56E-10	8.69E-12	1.15E-09
5011	469111.24	3818139.83	3.33E-09	1.29E-08	1.71E-10	1.64E-08	2.77E-09	9.48E-09	1.23E-10	1.24E-08	3.14E-10	1.66E-09	2.92E-11	2.00E-09	2.86E-10	8.70E-10	8.82E-12	1.16E-09
5012	469120.17	3818136.29	3.38E-09	1.31E-08	1.74E-10	1.67E-08	2.82E-09	9.64E-09	1.25E-10	1.26E-08	3.19E-10	1.69E-09	2.96E-11	2.04E-09	2.90E-10	8.84E-10	8.96E-12	1.18E-09
5013	469129.11	3818132.75	3.43E-09	1.33E-08	1.76E-10	1.69E-08	2.86E-09	9.78E-09	1.27E-10	1.28E-08	3.24E-10	1.71E-09	3.01E-11	2.07E-09	2.95E-10	8.97E-10	9.10E-12	1.20E-09
5014	469138.05	3818129.21	3.48E-09	1.35E-08	1.79E-10	1.72E-08	2.90E-09	9.92E-09	1.28E-10	1.29E-08	3.29E-10	1.74E-09	3.05E-11	2.10E-09	2.99E-10	9.10E-10	9.22E-12	1.22E-09
5015	469146.99	3818125.67	3.53E-09	1.37E-08	1.81E-10	1.74E-08	2.94E-09	1.01E-08	1.30E-10	1.31E-08	3.33E-10	1.76E-09	3.09E-11	2.13E-09	3.03E-10	9.23E-10	9.36E-12	1.24E-09
5016	469155.92	3818122.13	3.58E-09	1.39E-08	1.84E-10	1.76E-08	2.98E-09	1.02E-08	1.32E-10	1.33E-08	3.38E-10	1.79E-09	3.14E-11	2.16E-09	3.07E-10	9.35E-10	9.48E-12	1.25E-09
5017	469164.86	3818118.59	3.63E-09	1.41E-08	1.86E-10	1.79E-08	3.02E-09	1.03E-08	1.34E-10	1.35E-08	3.42E-10	1.81E-09	3.18E-11	2.18E-09	3.11E-10	9.48E-10	9.61E-12	1.27E-09
5018	469173.8	3818115.05	3.67E-09	1.42E-08	1.89E-10	1.81E-08	3.06E-09	1.05E-08	1.35E-10	1.36E-08	3.46E-10	1.83E-09	3.21E-11	2.21E-09	3.15E-10	9.59E-10	9.73E-12	1.28E-09
5019	469182.74	3818111.51	3.71E-09	1.44E-08	1.91E-10	1.83E-08	3.09E-09	1.06E-08	1.37E-10	1.38E-08	3.50E-10	1.85E-09	3.25E-11	2.23E-09	3.18E-10	9.70E-10	9.83E-12	1.30E-09
5020	469191.67	3818107.97	3.75E-09	1.45E-08	1.93E-10	1.85E-08	3.12E-09	1.07E-08	1.38E-10	1.39E-08	3.54E-10	1.87E-09	3.29E-11	2.26E-09	3.22E-10	9.80E-10	9.94E-12	1.31E-09
5021	469200.61	3818104.43	3.79E-09	1.47E-08	1.94E-10	1.87E-08	3.15E-09	1.08E-08	1.40E-10	1.41E-08	3.57E-10	1.89E-09	3.32E-11	2.28E-09	3.25E-10	9.89E-10	1.00E-11	1.32E-09
5022	469209.55	3818100.89	3.82E-09	1.48E-08	1.96E-10	1.88E-08	3.18E-09	1.09E-08	1.41E-10	1.42E-08	3.61E-10	1.91E-09	3.35E-11	2.30E-09	3.28E-10	9.98E-10	1.01E-11	1.34E-09
5023	469218.49	3818097.35	3.85E-09	1.49E-08	1.98E-10	1.90E-08	3.21E-09	1.10E-08	1.42E-10	1.43E-08	3.64E-10	1.92E-09	3.37E-11	2.32E-09	3.31E-10	1.01E-09	1.02E-11	1.35E-09
5024	469227.42	3818093.81	3.88E-09	1.50E-08	1.99E-10	1.91E-08	3.23E-09	1.11E-08	1.43E-10	1.44E-08	3.66E-10	1.94E-09	3.40E-11	2.34E-09	3.33E-10	1.01E-09	1.03E-11	1.36E-09
5025	469236.36	3818090.27	3.91E-09	1.51E-08	2.01E-10	1.93E-08	3.25E-09	1.11E-08	1.44E-10	1.45E-08	3.69E-10	1.95E-09	3.42E-11	2.35E-09	3.35E-10	1.02E-09	1.04E-11	1.37E-09
5026	469245.3	3818086.73	3.93E-09	1.52E-08	2.02E-10	1.94E-08	3.27E-09	1.12E-08	1.45E-10	1.46E-08	3.71E-10	1.96E-09	3.44E-11	2.37E-09	3.37E-10	1.03E-09	1.04E-11	1.38E-09
5027	469254.24	3818083.19	3.96E-09	1.53E-08	2.03E-10	1.95E-08	3.30E-09	1.13E-08	1.46E-10	1.47E-08	3.74E-10	1.98E-09	3.47E-11	2.38E-09	3.40E-10	1.03E-09	1.05E-11	1.38E-09
5028	469263.18	3818079.65	3.98E-09	1.54E-08	2.04E-10	1.96E-08	3.31E-09	1.13E-08	1.47E-10	1.48E-08	3.76E-10	1.99E-09	3.49E-11	2.40E-09	3.41E-10	1.04E-09	1.05E-11	1.39E-09
5029	469272.11	3818076.11	4.00E-09	1.55E-08	2.06E-10	1.97E-08	3.33E-09	1.14E-08	1.48E-10	1.49E-08	3.78E-10	2.00E-09	3.50E-11	2.41E-09	3.43E-10	1.05E-09	1.06E-11	1.40E-09
5030	469281.05	3818072.57	4.01E-09	1.56E-08	2.06E-10	1.98E-08	3.34E-09	1.14E-08	1.48E-10	1.49E-08	3.79E-10	2.00E-09	3.52E-11	2.42E-09	3.45E-10	1.05E-09	1.06E-11	1.40E-09
5031	469289.99	3818069.04	4.03E-09	1.56E-08	2.07E-10	1.99E-08	3.36E-09	1.15E-08	1.49E-10	1.50E-08	3.81E-10	2.01E-09	3.53E-11	2.43E-09	3.46E-10	1.05E-09	1.07E-11	1.41E-09
5032	469298.93	3818065.5	4.05E-09	1.57E-08	2.08E-10	2.00E-08	3.37E-09	1.15E-08	1.49E-10	1.51E-08	3.82E-10	2.02E-09	3.55E-11	2.44E-09	3.48E-10	1.06E-09	1.07E-11	1.42E-09
5033	469307.86	3818061.96	4.07E-09	1.58E-08	2.09E-10	2.00E-08	3.39E-09	1.16E-08	1.50E-10	1.51E-08	3.84E-10	2.03E-09	3.56E-11	2.45E-09	3.49E-10	1.06E-09	1.08E-11	1.42E-09
5034	469316.8	3818058.42	4.08E-09	1.58E-08	2.10E-10	2.01E-08	3.40E-09	1.16E-08	1.50E-10	1.52E-08	3.85E-10	2.04E-09	3.57E-11	2.46E-09	3.50E-10	1.07E-09	1.08E-11	1.43E-09
5035	469325.74	3818054.88	4.09E-09	1.59E-08	2.10E-10	2.02E-08	3.41E-09	1.17E-08	1.51E-10	1.52E-08	3.86E-10	2.04E-09	3.58E-11	2.46E-09	3.51E-10	1.07E-09	1.08E-11	1.43E-09
5036	469334.68	3818051.34	4.11E-09	1.59E-08	2.11E-10	2.02E-08	3.42E-09	1.17E-08	1.51E-10	1.53E-08	3.88E-10	2.05E-09	3.60E-11	2.47E-09	3.52E-10	1.07E-09	1.09E-11	1.44E-09
5037	469343.61	3818047.8	4.12E-09	1.60E-08	2.12E-10	2.03E-08	3.43E-09	1.17E-08	1.52E-10	1.53E-08	3.89E-10	2.06E-09	3.61E-11	2.48E-09	3.54E-10	1.08E-09	1.09E-11	1.44E-09
5038	469352.55	3818044.26	4.14E-09	1.60E-08	2.13E-10	2.04E-08	3.45E-09	1.18E-08	1.53E-10	1.54E-08	3.91E-10	2.07E-09	3.63E-11	2.49E-09	3.55E-10	1.08E-09	1.10E-11	1.45E-09
5039	469361.49	3818040.72	4.16E-09	1.61E-08	2.14E-10	2.05E-08	3.46E-09	1.18E-08	1.53E-10	1.55E-08	3.92E-10	2.07E-09	3.64E-11	2.50E-09	3.57E-10	1.09E-09	1.10E-11	1.45E-09
5040	469370.43	3818037.18	4.18E-09	1.62E-08	2.15E-10	2.06E-08	3.48E-09	1.19E-08	1.54E-10	1.55E-08	3.95E-10	2.09E-09	3.66E-11	2.52E-09	3.59E-10	1.09E-09	1.11E-11	1.46E-09
5041	469379.36	3818033.64	4.20E-09	1.63E-08	2.16E-10	2.07E-08	3.50E-09	1.20E-08	1.55E-10	1.56E-08	3.97E-10	2.10E-09	3.68E-11	2.53E-09	3.61E-10	1.10E-09	1.11E-11	1.47E-09
5042	469388.3	3818030.1	4.23E-09	1.64E-08	2.17E-10	2.09E-08	3.53E-09	1.21E-08	1.56E-10	1.57E-08	4.00E-10	2.11E-09	3.71E-11	2.55E-09	3.63E-10	1.11E-09	1.12E-11	1.48E-09
5043	469397.24	3818026.56	4.25E-09	1.65E-08	2.19E-10	2.10E-08	3.54E-09	1.21E-08	1.57E-10	1.58E-08	4.02E-10	2.12E-09	3.73E-11	2.56E-09	3.65E-10	1.11E-09	1.13E-11	1.49E-09
5044	469406.18	3818023.02	4.28E-09	1.66E-08	2.20E-10	2.11E-08	3.56E-09	1.22E-08	1.58E-10	1.59E-08	4.04E-10	2.13E-09	3.75E-11	2.58E-09	3.67E-10	1.12E-09	1.13E-11	1.50E-09
5045	469415.11	3818019.48	4.30E-09	1.67E-08	2.21E-10	2.12E-08	3.58E-09	1.23E-08	1.59E-10	1.60E-08	4.06E-10	2.15E-09	3.77E-11	2.59E-09	3.69E-10	1.12E-09	1.14E-11	1.51E-09
5046	469424.05	3818015.94	4.33E-09	1.68E-08	2.23E-10	2.13E-08	3.61E-09	1.23E-08	1.60E-10	1.61E-08	4.09E-10	2.16E-09	3.79E-11	2.61E-09	3.72E-10	1.13E-09	1.15E-11	1.52E-09
5047	469432.99	3818012.4	4.36E-09	1.69E-08	2.24E-10	2.15E-08	3.63E-09	1.24E-08	1.61E-10	1.62E-08	4.12E-10	2.18E-09	3.82E-11	2.63E-09	3.74E-10	1.14E-09	1.16E-11	1.53E-09
5048	469441.93	3818008.86	4.39E-09	1.70E-08	2.25E-10	2.16E-08	3.66E-09	1.25E-08	1.62E-10	1.63E-08	4.14E-10	2.19E-09	3.85E-11	2.64E-09	3.77E-10	1.15E-09	1.16E-11	1.54E-09
5049	469450.87	3818005.32	4.42E-09	1.71E-08	2.27E-10	2.18E-08	3.68E-09	1.26E-08	1.63E-10	1.64E-08	4.17E-10	2.21E-09	3.87E-11	2.66E-09	3.79E-10	1.15E-09	1.17E-11	1.55E-09
5050	469459.8	3818001.78	4.45E-09	1.73E-08	2.29E-10	2.20E-08	3.71E-09	1.27E-08	1.64E-10	1.66E-08	4.21E-10	2.22E-09	3.90E-11	2.68E-09	3.82E-10	1.16E-09	1.18E-11	1.56E-09
5051	469468.74	3817998.24	4.49E-09	1.74E-08	2.31E-10	2.22E-08	3.74E-09	1.28E-08	1.66E-10	1.67E-08	4.24E-10	2.24E-09	3.94E-11	2.71E-09	3.86E-10	1.17E-09	1.19E-11	1.57E-09
5052	469477.68	3817994.7	4.53E-09	1.76E-08	2.33E-10	2.23E-08	3.77E-09	1.29E-08	1.67E-10	1.69E-08	4.28E-10	2.26E-09	3.97E-11	2.73E-09	3.89E-10	1.18E-09	1.20E-11	1.59E-09
5053	469486.62	3817991.16	4.56E-09	1.77E-08	2.34E-10	2.25E-08	3.80E-09	1.30E-08	1.68E-10	1.70E-08	4.31E-10	2.28E-09	4.00E-11	2.75E-09	3.92E-10	1.19E-09	1.21E-11	1.60E-09
5054	469495.55	3817987.62	4.60E-09	1.78E-08	2.36E-10	2.27E-08	3.83E-09	1.31E-08	1.69E-10	1.71E-08	4.34E-10	2.29E-09	4.03E-11	2.77E-09	3.95E-10	1.20E-09	1.22E-11	1.61E-09
5055	469504.49	3817984.08	4.63E-09	1.80E-08	2.38E-10	2.28E-08	3.86E-09	1.32E-08	1.71E-10	1.72E-08	4.37E-10	2.31E-09	4.06E-11	2.79E-09	3.97E-10	1.21E-09	1.23E-11	1.62E-09
5056	469513.43	3817980.54	4.66E-09	1.81E-08	2.40E-10	2.30E-08	3.88E-09	1.33E-08	1.72E-10	1.73E-08	4.40E-10	2.33E-09	4.08E-11	2.81E-09	4.00E-10	1.22E-09	1.24E-11	1.63E-09
5057	469522.37	3817977	4.70E-09	1.82E-08	2.41E-10	2.32E-08	3.91E-09	1.34E-08	1.73E-10	1.75E-08	4.44E-10	2.35E-09	4.12E-11	2.83E-09	4.03E-10	1.23E-09	1.25E-11	1.64E-09
5058	469531.3	3817973.46	4.73E-09	1.84E-08	2.43E-10	2.33E-08	3.94E-09	1.35E-08	1.75E-10	1.76E-08	4.47E-10	2.36E-09	4.15E-11	2.85E-09	4.06E-10	1.24E-09	1.25E-11	1.66E-09
5059	469540.24	3817969.92	4.77E-09	1.85E-08	2.45E-10	2.35E-08	3.97E-09	1.36E-08	1.76E-10	1.77E-08	4.50E-10	2.38E-09	4.18E-11	2.87E-09	4.10E-10	1.25E-09	1.26E-11	1.67E-09
5060	469549.18	3817966.38	4.80E-09	1.86E-08	2.47E-10	2.37E-08	4.00E-09	1.37E-08	1.77E-10	1.79E-08	4.54E-10	2.40E-09	4.21E-11	2.89E-09	4.12E-10	1.26E-09	1.27E-11	1.68E-09
5061	469558.12	3817962.84	4.84E-09	1.88E-08	2.48E-10	2.38E-08	4.03E-09	1.38E-08	1.78E-10	1.80E-08	4.57E-10	2.41E-09	4.24E-11	2.91E-09	4.15E-10	1.26E-09	1.28E-11	1.69E-09
5062	469567.05	3817959.3	4.87E-09	1.89E-08	2.50E-10	2.40E-08	4.05E-09	1.39E-08	1.79E-10	1.81E-08	4.59E-10	2.43E-09	4.26E-11	2.93E-09	4.18E-10	1.27E-09	1.29E-11	1.70E-09
5063	469575.99	3817955.76	4.90E-09	1.90E-08	2.52E-10	2.41E-08	4.08E-09	1.40E-08	1.81E-10	1.82E-08	4.62E-10	2.45E-09	4.29E-11	2.95E-09	4.20E-10	1.28E-09	1.30E-11	1.71E-09
5064	469584.93	3817952.22	4.93E-09	1.91E-08	2.53E-10	2.43E-08	4.10E-09	1.40E-08	1.82E-10	1.83E-08	4.65E-10	2.46E-09	4.32E-11	2.97E-09	4.23E-10	1.29E-09	1.31E-11	1.72E-09
5065	469593.87	3817948.68	4.96E-09	1.92E-08	2.55E-10	2.44E-08	4.13E-09	1.41E-08	1.83E-10	1.84E-08	4.68E-10	2.47E-09	4.34E-11	2.99E-09	4.25E-10	1.30E-09	1.31E-11	1.73E-09
5066	469602.8	3817945.14	4.98E-09	1.93E-08	2.56E-10	2.46E-08	4.15E-09	1.42E-08	1.84E-10	1.85E-08	4.70E-10	2.49E-09	4.37E-11	3.00E-09	4.28E-10	1.30E-09	1.32E-11	1.74E-09
5067	469611.74	3817941.6	5.01E-09	1.94E-08	2.57E-10	2.47E-08	4.17E-09	1.43E-08	1.85E-10	1.86E-08	4.73E-10	2.50E-09	4.39E-11	3.02E-09	4.30E-10	1.31E-09	1.33E-11	1.75E-09
5068	469620.68	3817938.06	5.03E-09	1.95E-08	2.59E-10	2.48E-08	4.19E-09	1.43E-08	1.86E-10	1.87E-08	4.75E-10	2.51E-09	4.41E-11	3.03E-09	4.32E-10	1.32E-09	1.33E-11	1.76E-09
5069	469629.62	3817934.52	5.05E-09	1.96E-08	2.60E-10	2.49E-08	4.21E-09	1.44E-08	1.86E-10	1.88E-08	4.77E-10	2.52E-09	4.43E-11	3.04E-09	4.34E-10	1.32E-09	1.34E-11	1.77E-09
5070	469638.56	3817930.98	5.08E-09	1.97E-08	2.61E-10	2.50E-08	4.23E-09	1.45E-08	1.87E-10	1.89E-08	4.79E-10	2.53E-09	4.45E-11	3.06E-09	4.36E-10	1.33E-09	1.35E-11	1.78E-09
5071	469647.49	3817927.44	5.10E-09	1.98E-08	2.62E-10	2.51E-08	4.25E-09	1.45E-08	1.88E-10	1.90E-08	4.81E-10	2.55E-09	4.47E-11	3.07E-09	4.38E-10	1.33E-09	1.35E-11	1.78E-09
5072	469656.43	3817923.9	5.12E-09	1.98E-08	2.63E-10	2.52E-08	4.26E-09	1.46E-08	1.89E-10	1.90E-08	4.83E-10	2.55E-09	4.48E-11	3.08E-09	4.39E-10	1.34E-09	1.36E-11	1.79E-09
5073	469665.37	3817920.36	5.13E-09	1.99E-08	2.64E-10	2.53E-08	4.27E-09	1.46E-08	1.89E-10	1.91E-08	4.84E-10	2.56E-09	4.50E-11	3.09E-09	4.40E-10	1.34E-09	1.36E-11	1.80E-09
5074	469674.31	3817916.82	5.14E-09	1.99E-08	2.64E-10	2.53E-08	4.28E-09	1.47E-08	1.90E-10	1.91E-08	4.86E-10	2.57E-09	4.51E-11	3.10E-09	4.41E-10	1.34E-09	1.36E-11	1.80E-09
5075	469683.24	3817913.28	5.15E-09	2.00E-08	2.65E-10	2.54E-08	4.29E-09	1.47E-08	1.90E-10	1.92E-08	4.87E-10	2.57E-09	4.52E-11	3.10E-09	4.42E-10	1.35E-09	1.37E-11	1.80E-09
5076	469710.06	3817902.66	5.17E-09	2.01E-08	2.66E-10	2.55E-08	4.31E-09	1.47E-08	1.91E-10	1.92E-08	4.89E-10	2.58E-09	4.53E-11	3.12E-09	4.44E-10	1.35E-09	1.37E-11	1.81E-09
5077	469754.74	3817884.96	5.19E-09	2.01E-08	2.67E-10	2.56E-08	4.32E-09	1.48E-08	1.91E-10	1.93E-08	4.90E-10	2.59E-09	4.55E-11	3.13E-09	4.45E-10	1.36E-09	1.38E-11	1.82E-09
5078	469763.68	3817881.42	5.19E-09	2.01E-08	2.67E-10	2.56E-08	4.32E-09	1.48E-08	1.91E-10	1.93E-08	4.90E-10	2.59E-09	4.55E-11	3.13E-09	4.45E-10	1.36E-09	1.38E-11	1.82E-09
5079	469772.62	3817877.88	5.19E-09	2.01E-08	2.67E-10	2.56E-08	4.32E-09	1.48E-08	1.91E-10	1.93E-08	4.90E-10	2.59E-09	4.55E-11	3.13E-09	4.46E-10	1.36E-09	1.38E-11	1.82E-09
5080	469781.56	3817874.34	5.20E-09	2.02E-08	2.67E-10	2.56E-08	4.33E-09	1.48E-08	1.92E-10	1.93E-08	4.91E-10	2.59E-09	4.55E-11	3.13E-09	4.46E-10	1.36E-09	1.38E-11	1.82E-09
5081	469790.5	3817870.8	5.20E-09	2.02E-08	2.67E-10	2.56E-08	4.33E-09	1.48E-08	1.92E-10	1.93E-08	4.91E-10	2.60E-09	4.56E-11	3.13E-09	4.46E-10	1.36E-09	1.38E-11	1.82E-09
5082	469799.43	3817867.26	5.20E-09	2.02E-08	2.67E-10	2.57E-08	4.33E-09	1.48E-08	1.92E-10	1.94E-08	4.91E-10	2.60E-09	4.56E-11	3.13E-09	4.47E-10	1.36E-09	1.38E-11	1.82E-09
5083	469808.37	3817863.72	5.21E-09	2.02E-08	2.68E-10	2.57E-08	4.34E-09	1.48E-08	1.92E-10	1.94E-08	4.92E-10	2.60E-09	4.57E-11	3.14E-09	4.47E-10	1.36E-09	1.38E-11	1.82E-09
5084	469817.31	3817860.18	5.22E-09	2.02E-08	2.68E-10	2.57E-08	4.35E-09	1.49E-08	1.92E-10	1.94E-08	4.93E-10	2.60E-09	4.57E-11	3.14E-09	4.48E-10	1.36E-09	1.38E-11

5085	469826.25	3817856.64	5.23E-09	2.03E-08	2.69E-10	2.58E-08	4.36E-09	1.49E-08	1.93E-10	1.94E-08	4.94E-10	2.61E-09	4.58E-11	3.15E-09	4.49E-10	1.37E-09	1.39E-11	1.83E-09
5086	469835.18	3817853.1	5.24E-09	2.03E-08	2.69E-10	2.58E-08	4.36E-09	1.49E-08	1.93E-10	1.95E-08	4.95E-10	2.62E-09	4.59E-11	3.16E-09	4.50E-10	1.37E-09	1.39E-11	1.83E-09
5087	469844.12	3817849.56	5.25E-09	2.04E-08	2.70E-10	2.59E-08	4.38E-09	1.50E-08	1.94E-10	1.95E-08	4.96E-10	2.62E-09	4.60E-11	3.17E-09	4.51E-10	1.37E-09	1.39E-11	1.84E-09
5088	469853.06	3817846.02	5.27E-09	2.04E-08	2.71E-10	2.60E-08	4.39E-09	1.50E-08	1.94E-10	1.96E-08	4.97E-10	2.63E-09	4.61E-11	3.17E-09	4.52E-10	1.38E-09	1.40E-11	1.84E-09
5089	469862	3817842.48	5.28E-09	2.05E-08	2.71E-10	2.60E-08	4.40E-09	1.50E-08	1.95E-10	1.96E-08	4.99E-10	2.64E-09	4.63E-11	3.18E-09	4.53E-10	1.38E-09	1.40E-11	1.85E-09
5090	469870.93	3817838.95	5.30E-09	2.06E-08	2.72E-10	2.61E-08	4.42E-09	1.51E-08	1.96E-10	1.97E-08	5.01E-10	2.65E-09	4.65E-11	3.19E-09	4.55E-10	1.39E-09	1.41E-11	1.86E-09
5091	469879.87	3817835.41	5.33E-09	2.07E-08	2.74E-10	2.63E-08	4.44E-09	1.52E-08	1.97E-10	1.98E-08	5.03E-10	2.66E-09	4.67E-11	3.21E-09	4.58E-10	1.39E-09	1.41E-11	1.87E-09
5092	469888.81	3817831.87	5.36E-09	2.08E-08	2.76E-10	2.64E-08	4.47E-09	1.53E-08	1.98E-10	1.99E-08	5.06E-10	2.68E-09	4.70E-11	3.23E-09	4.60E-10	1.40E-09	1.42E-11	1.88E-09
5093	469897.75	3817828.33	5.40E-09	2.09E-08	2.77E-10	2.66E-08	4.49E-09	1.54E-08	1.99E-10	2.01E-08	5.10E-10	2.69E-09	4.73E-11	3.25E-09	4.63E-10	1.41E-09	1.43E-11	1.89E-09
5094	469906.68	3817824.79	5.43E-09	2.11E-08	2.79E-10	2.68E-08	4.52E-09	1.55E-08	2.00E-10	2.02E-08	5.13E-10	2.71E-09	4.76E-11	3.27E-09	4.66E-10	1.42E-09	1.44E-11	1.90E-09
5095	469915.62	3817821.25	5.46E-09	2.12E-08	2.81E-10	2.69E-08	4.55E-09	1.56E-08	2.01E-10	2.03E-08	5.16E-10	2.73E-09	4.79E-11	3.29E-09	4.69E-10	1.43E-09	1.45E-11	1.91E-09
5096	469924.56	3817817.71	5.50E-09	2.13E-08	2.83E-10	2.71E-08	4.58E-09	1.57E-08	2.03E-10	2.05E-08	5.19E-10	2.75E-09	4.82E-11	3.31E-09	4.72E-10	1.44E-09	1.46E-11	1.92E-09
5097	469933.5	3817814.17	5.55E-09	2.15E-08	2.85E-10	2.73E-08	4.62E-09	1.58E-08	2.04E-10	2.06E-08	5.24E-10	2.77E-09	4.86E-11	3.34E-09	4.76E-10	1.45E-09	1.47E-11	1.94E-09
5098	469942.43	3817810.63	5.60E-09	2.17E-08	2.88E-10	2.76E-08	4.66E-09	1.60E-08	2.07E-10	2.08E-08	5.29E-10	2.80E-09	4.91E-11	3.37E-09	4.81E-10	1.46E-09	1.48E-11	1.96E-09
5099	469951.37	3817807.09	5.65E-09	2.19E-08	2.91E-10	2.79E-08	4.71E-09	1.61E-08	2.09E-10	2.10E-08	5.34E-10	2.82E-09	4.95E-11	3.41E-09	4.85E-10	1.48E-09	1.50E-11	1.98E-09
5100	469960.31	3817803.55	5.71E-09	2.21E-08	2.93E-10	2.81E-08	4.75E-09	1.63E-08	2.11E-10	2.12E-08	5.39E-10	2.85E-09	5.00E-11	3.44E-09	4.90E-10	1.49E-09	1.51E-11	2.00E-09
5101	469969.25	3817800.01	5.77E-09	2.24E-08	2.96E-10	2.84E-08	4.80E-09	1.64E-08	2.13E-10	2.15E-08	5.45E-10	2.88E-09	5.05E-11	3.47E-09	4.95E-10	1.51E-09	1.53E-11	2.02E-09
5102	469978.19	3817796.47	5.82E-09	2.26E-08	2.99E-10	2.87E-08	4.85E-09	1.66E-08	2.15E-10	2.17E-08	5.50E-10	2.91E-09	5.10E-11	3.51E-09	5.00E-10	1.52E-09	1.54E-11	2.04E-09
5103	469987.12	3817792.93	5.88E-09	2.28E-08	3.02E-10	2.90E-08	4.90E-09	1.68E-08	2.17E-10	2.19E-08	5.55E-10	2.94E-09	5.15E-11	3.54E-09	5.05E-10	1.54E-09	1.56E-11	2.06E-09
5104	469996.06	3817789.39	5.93E-09	2.30E-08	3.05E-10	2.92E-08	4.94E-09	1.69E-08	2.19E-10	2.20E-08	5.60E-10	2.96E-09	5.19E-11	3.57E-09	5.09E-10	1.55E-09	1.57E-11	2.07E-09
5105	470022.87	3817778.77	6.06E-09	2.35E-08	3.11E-10	2.99E-08	5.05E-09	1.73E-08	2.24E-10	2.25E-08	5.72E-10	3.03E-09	5.31E-11	3.65E-09	5.20E-10	1.58E-09	1.61E-11	2.12E-09
5106	470031.81	3817775.23	6.10E-09	2.37E-08	3.13E-10	3.01E-08	5.08E-09	1.74E-08	2.25E-10	2.27E-08	5.76E-10	3.05E-09	5.35E-11	3.68E-09	5.24E-10	1.59E-09	1.62E-11	2.13E-09
5107	470040.75	3817771.69	6.14E-09	2.38E-08	3.15E-10	3.03E-08	5.11E-09	1.75E-08	2.26E-10	2.28E-08	5.80E-10	3.06E-09	5.38E-11	3.70E-09	5.27E-10	1.60E-09	1.63E-11	2.15E-09
5108	470049.69	3817768.15	6.17E-09	2.39E-08	3.17E-10	3.04E-08	5.14E-09	1.76E-08	2.27E-10	2.29E-08	5.82E-10	3.08E-09	5.40E-11	3.72E-09	5.29E-10	1.61E-09	1.63E-11	2.16E-09
5109	470058.62	3817764.61	6.19E-09	2.40E-08	3.18E-10	3.05E-08	5.15E-09	1.76E-08	2.28E-10	2.30E-08	5.84E-10	3.09E-09	5.42E-11	3.73E-09	5.31E-10	1.62E-09	1.64E-11	2.17E-09
5110	470067.56	3817761.07	6.20E-09	2.41E-08	3.19E-10	3.06E-08	5.17E-09	1.77E-08	2.29E-10	2.31E-08	5.86E-10	3.10E-09	5.44E-11	3.74E-09	5.33E-10	1.62E-09	1.64E-11	2.17E-09
5111	468608.86	3819225.41	1.70E-09	6.59E-09	8.72E-11	8.37E-09	1.41E-09	4.84E-09	6.26E-11	6.32E-09	1.60E-10	8.48E-10	1.49E-11	1.02E-09	1.46E-10	4.44E-10	4.50E-12	5.94E-10
5112	468608.67	3819235.06	1.73E-09	6.71E-09	8.89E-11	8.53E-09	1.44E-09	4.93E-09	6.38E-11	6.44E-09	1.63E-10	8.64E-10	1.52E-11	1.04E-09	1.49E-10	4.52E-10	4.59E-12	6.06E-10
5113	468608.48	3819244.7	1.76E-09	6.84E-09	9.06E-11	8.69E-09	1.47E-09	5.03E-09	6.50E-11	6.56E-09	1.67E-10	8.80E-10	1.55E-11	1.06E-09	1.51E-10	4.61E-10	4.67E-12	6.17E-10
5114	468608.28	3819254.35	1.79E-09	6.95E-09	9.21E-11	8.84E-09	1.49E-09	5.11E-09	6.61E-11	6.67E-09	1.69E-10	8.95E-10	1.57E-11	1.08E-09	1.54E-10	4.69E-10	4.75E-12	6.27E-10
5115	468608.09	3819264	1.83E-09	7.08E-09	9.38E-11	9.00E-09	1.52E-09	5.20E-09	6.73E-11	6.79E-09	1.72E-10	9.11E-10	1.60E-11	1.10E-09	1.57E-10	4.77E-10	4.84E-12	6.39E-10
5116	468607.9	3819273.65	1.85E-09	7.19E-09	9.53E-11	9.14E-09	1.54E-09	5.28E-09	6.84E-11	6.90E-09	1.75E-10	9.26E-10	1.63E-11	1.12E-09	1.59E-10	4.85E-10	4.92E-12	6.49E-10
5117	468607.71	3819283.3	1.88E-09	7.30E-09	9.68E-11	9.29E-09	1.57E-09	5.37E-09	6.95E-11	7.01E-09	1.78E-10	9.40E-10	1.65E-11	1.13E-09	1.62E-10	4.92E-10	4.99E-12	6.59E-10
5118	468607.51	3819292.95	1.91E-09	7.40E-09	9.81E-11	9.41E-09	1.59E-09	5.44E-09	7.04E-11	7.10E-09	1.80E-10	9.53E-10	1.67E-11	1.15E-09	1.64E-10	4.99E-10	5.06E-12	6.68E-10
5119	468607.32	3819302.59	1.93E-09	7.50E-09	9.94E-11	9.54E-09	1.61E-09	5.51E-09	7.13E-11	7.20E-09	1.83E-10	9.66E-10	1.70E-11	1.17E-09	1.66E-10	5.06E-10	5.13E-12	6.77E-10
5120	468607.13	3819312.24	1.96E-09	7.60E-09	1.01E-10	9.66E-09	1.63E-09	5.59E-09	7.23E-11	7.29E-09	1.85E-10	9.78E-10	1.72E-11	1.18E-09	1.68E-10	5.12E-10	5.20E-12	6.86E-10
5121	468606.93	3819321.89	1.98E-09	7.69E-09	1.02E-10	9.77E-09	1.65E-09	5.65E-09	7.31E-11	7.37E-09	1.87E-10	9.89E-10	1.74E-11	1.19E-09	1.70E-10	5.18E-10	5.25E-12	6.93E-10
5122	468606.74	3819331.54	2.00E-09	7.77E-09	1.03E-10	9.88E-09	1.67E-09	5.71E-09	7.39E-11	7.45E-09	1.89E-10	1.00E-09	1.76E-11	1.21E-09	1.72E-10	5.24E-10	5.31E-12	7.01E-10
5123	468606.55	3819341.19	2.03E-09	7.85E-09	1.04E-10	9.98E-09	1.69E-09	5.77E-09	7.47E-11	7.53E-09	1.91E-10	1.01E-09	1.77E-11	1.22E-09	1.74E-10	5.29E-10	5.37E-12	7.09E-10
5124	468606.35	3819350.83	2.04E-09	7.93E-09	1.05E-10	1.01E-08	1.70E-09	5.82E-09	7.54E-11	7.60E-09	1.93E-10	1.02E-09	1.79E-11	1.23E-09	1.75E-10	5.34E-10	5.42E-12	7.15E-10
5125	468606.16	3819360.48	2.06E-09	8.00E-09	1.06E-10	1.02E-08	1.72E-09	5.88E-09	7.60E-11	7.67E-09	1.95E-10	1.03E-09	1.81E-11	1.24E-09	1.77E-10	5.39E-10	5.47E-12	7.21E-10
5126	468605.97	3819370.13	2.08E-09	8.05E-09	1.07E-10	1.02E-08	1.73E-09	5.92E-09	7.66E-11	7.72E-09	1.96E-10	1.04E-09	1.82E-11	1.25E-09	1.78E-10	5.43E-10	5.50E-12	7.26E-10
5127	468605.77	3819379.78	2.09E-09	8.09E-09	1.07E-10	1.03E-08	1.74E-09	5.95E-09	7.70E-11	7.76E-09	1.97E-10	1.04E-09	1.83E-11	1.26E-09	1.79E-10	5.46E-10	5.53E-12	7.30E-10
5128	468605.58	3819389.43	2.10E-09	8.14E-09	1.08E-10	1.03E-08	1.75E-09	5.98E-09	7.74E-11	7.80E-09	1.98E-10	1.05E-09	1.84E-11	1.26E-09	1.80E-10	5.48E-10	5.56E-12	7.34E-10
5129	468605.39	3819399.08	2.11E-09	8.18E-09	1.08E-10	1.04E-08	1.76E-09	6.01E-09	7.78E-11	7.84E-09	1.99E-10	1.05E-09	1.85E-11	1.27E-09	1.81E-10	5.51E-10	5.59E-12	7.38E-10
5130	468605.19	3819408.72	2.12E-09	8.21E-09	1.09E-10	1.04E-08	1.76E-09	6.03E-09	7.80E-11	7.87E-09	2.00E-10	1.06E-09	1.85E-11	1.27E-09	1.82E-10	5.53E-10	5.61E-12	7.40E-10
5131	468605	3819418.37	2.12E-09	8.22E-09	1.09E-10	1.05E-08	1.77E-09	6.04E-09	7.82E-11	7.89E-09	2.00E-10	1.06E-09	1.86E-11	1.28E-09	1.82E-10	5.54E-10	5.62E-12	7.42E-10
5132	470093.02	3819664.65	4.19E-07	1.62E-06	2.15E-08	2.07E-06	3.49E-07	1.19E-06	1.54E-08	1.56E-06	3.96E-08	2.09E-07	3.67E-09	2.52E-07	3.60E-08	1.10E-07	1.11E-09	1.47E-07
5133	470084.4	3819660.93	4.16E-07	1.62E-06	2.14E-08	2.05E-06	3.47E-07	1.19E-06	1.54E-08	1.55E-06	3.93E-08	2.08E-07	3.65E-09	2.51E-07	3.58E-08	1.09E-07	1.10E-09	1.46E-07
5134	470075.78	3819657.2	4.13E-07	1.60E-06	2.12E-08	2.04E-06	3.44E-07	1.18E-06	1.52E-08	1.54E-06	3.90E-08	2.06E-07	3.62E-09	2.49E-07	3.54E-08	1.08E-07	1.09E-09	1.44E-07
5135	470067.17	3819653.47	4.08E-07	1.58E-06	2.10E-08	2.01E-06	3.40E-07	1.16E-06	1.50E-08	1.52E-06	3.85E-08	2.04E-07	3.57E-09	2.46E-07	3.50E-08	1.07E-07	1.08E-09	1.43E-07
5136	470101.64	3819668.38	4.20E-07	1.63E-06	2.16E-08	2.07E-06	3.50E-07	1.20E-06	1.55E-08	1.56E-06	3.96E-08	2.10E-07	3.68E-09	2.53E-07	3.60E-08	1.10E-07	1.11E-09	1.47E-07
5137	470111.33	3819668.51	4.28E-07	1.66E-06	2.20E-08	2.11E-06	3.57E-07	1.22E-06	1.58E-08	1.59E-06	4.04E-08	2.14E-07	3.75E-09	2.58E-07	3.68E-08	1.12E-07	1.14E-09	1.50E-07
5138	470121.03	3819668.65	4.35E-07	1.69E-06	2.24E-08	2.15E-06	3.63E-07	1.24E-06	1.61E-08	1.62E-06	4.11E-08	2.17E-07	3.82E-09	2.62E-07	3.74E-08	1.14E-07	1.15E-09	1.52E-07
5139	470130.73	3819668.78	4.41E-07	1.71E-06	2.27E-08	2.17E-06	3.67E-07	1.26E-06	1.63E-08	1.64E-06	4.17E-08	2.20E-07	3.87E-09	2.66E-07	3.79E-08	1.15E-07	1.17E-09	1.54E-07
5140	470140.43	3819668.92	4.45E-07	1.73E-06	2.29E-08	2.19E-06	3.71E-07	1.27E-06	1.64E-08	1.66E-06	4.20E-08	2.22E-07	3.90E-09	2.68E-07	3.82E-08	1.16E-07	1.18E-09	1.56E-07
5141	470150.12	3819669.05	4.47E-07	1.74E-06	2.30E-08	2.21E-06	3.73E-07	1.28E-06	1.65E-08	1.66E-06	4.23E-08	2.23E-07	3.92E-09	2.70E-07	3.84E-08	1.17E-07	1.19E-09	1.57E-07
5142	470159.82	3819669.19	4.48E-07	1.74E-06	2.30E-08	2.21E-06	3.73E-07	1.28E-06	1.65E-08	1.67E-06	4.23E-08	2.24E-07	3.93E-09	2.70E-07	3.85E-08	1.17E-07	1.19E-09	1.57E-07
5143	470169.52	3819669.32	4.47E-07	1.73E-06	2.30E-08	2.20E-06	3.72E-07	1.27E-06	1.65E-08	1.66E-06	4.22E-08	2.23E-07	3.92E-09	2.69E-07	3.84E-08	1.17E-07	1.18E-09	1.56E-07
5144	470179.22	3819669.46	4.44E-07	1.72E-06	2.28E-08	2.19E-06	3.70E-07	1.27E-06	1.64E-08	1.65E-06	4.19E-08	2.22E-07	3.89E-09	2.67E-07	3.81E-08	1.16E-07	1.18E-09	1.55E-07
5145	470188.91	3819669.59	4.39E-07	1.70E-06	2.26E-08	2.17E-06	3.66E-07	1.25E-06	1.62E-08	1.63E-06	4.15E-08	2.19E-07	3.85E-09	2.65E-07	3.77E-08	1.15E-07	1.16E-09	1.54E-07
5146	470198.61	3819669.73	4.33E-07	1.68E-06	2.23E-08	2.14E-06	3.61E-07	1.23E-06	1.60E-08	1.61E-06	4.09E-08	2.16E-07	3.80E-09	2.61E-07	3.72E-08	1.13E-07	1.15E-09	1.52E-07
5147	470208.31	3819669.86	4.26E-07	1.65E-06	2.19E-08	2.10E-06	3.55E-07	1.21E-06	1.57E-08	1.58E-06	4.02E-08	2.13E-07	3.73E-09	2.56E-07	3.65E-08	1.11E-07	1.13E-09	1.49E-07
5148	470218	3819670	4.17E-07	1.62E-06	2.14E-08	2.05E-06	3.47E-07	1.19E-06	1.54E-08	1.55E-06	3.94E-08	2.08E-07	3.65E-09	2.51E-07	3.58E-08	1.09E-07	1.11E-09	1.46E-07
5149	470227.7	3819670.13	4.07E-07	1.58E-06	2.09E-08	2.01E-06	3.39E-07	1.16E-06	1.50E-08	1.51E-06	3.84E-08	2.03E-07	3.57E-09	2.45E-07	3.49E-08	1.06E-07	1.08E-09	1.42E-07
5150	470237.4	3819670.27	3.96E-07	1.54E-06	2.03E-08	1.95E-06	3.30E-07	1.13E-06	1.46E-08	1.47E-06	3.74E-08	1.98E-07	3.47E-09	2.39E-07	3.40E-08	1.04E-07	1.05E-09	1.39E-07
5151	470247.1	3819670.4	3.84E-07	1.49E-06	1.98E-08	1.90E-06	3.20E-07	1.10E-06	1.42E-08	1.43E-06	3.63E-08	1.92E-07	3.37E-09	2.32E-07	3.30E-08	1.01E-07	1.02E-09	1.35E-07
5152	470256.79	3819670.54	3.72E-07	1.44E-06	1.91E-08	1.84E-06	3.10E-07	1.06E-06	1.37E-08	1.38E-06	3.52E-08	1.86E-07	3.26E-09	2.24E-07	3.20E-08	9.73E-08	9.87E-10	1.30E-07
5153	470266.49	3819670.67	3.60E-07	1.40E-06	1.85E-08	1.77E-06	3.00E-07	1.03E-06	1.33E-08	1.34E-06	3.40E-08	1.80E-07	3.15E-09	2.17E-07	3.09E-08	9.41E-08	9.54E-10	1.26E-07
5154	470092.9	3819684.72	3.79E-07	1.47E-06	1.95E-08	1.87E-06	3.15E-07	1.08E-06	1.40E-08	1.41E-06	3.58E-08	1.89E-07	3.32E-09	2.28E-07	3.25E-08	9.90E-08	1.00E-09	1.33E-07
5155	470084.44	3819681.06	3.77E-07	1.46E-06	1.94E-08	1.86E-06	3.14E-07	1.08E-06	1.39E-08	1.40E-06	3.56E-08	1.88E-07	3.31E-09	2.27E-07	3.24E-08	9.86E-08	1.00E-09	1.32E-07
5156	470075.98	3819677.4	3.75E-07	1.45E-06	1.93E-08	1.85E-06	3.12E-07	1.07E-06	1.38E-08	1.39E-06	3.54E-08	1.87E-07	3.29E-09	2.26E-07	3.22E-08	9.80E-08	9.94E-10	1.31E-07
5157	470067.52	3819673.74	3.71E-07	1.44E-06	1.91E-08	1.83E-06	3.09E-07	1.06E-06	1.37E-08	1.38E-06	3.51E-08	1.85E-07	3.26E-09	2.24E-07	3.19E-08	9.71E-08	9.85E-10	1.30E-07
5158	470059.05	3819670.08	3.67E-07	1.42E-06	1.89E-08	1.81E-06	3.06E-07	1.05E-06	1.35E-08	1.37E-06	3.47E-08	1.83E-07	3.22E-09	2.21E-07	3.15E-08	9.59E-08	9.73E-10	1.28E-07
5159	470050.59	3819666.42	3.62E-07	1.40E-06	1.86E-08	1.78E-06	3.01E-07	1.03E-06	1.33E-08	1.34E-06	3.41E-08	1.80E-07	3.17E-09	2.18E-07	3.10E-08	9.45E-08	9.58E-10	1.26E-07
5160	470042.13	3819662.77	3.55E-07	1.38E-06	1.82E-08	1.75E-06	2.96E-07	1.01E-06	1.31E-08	1.32E-06	3.35E-08	1.77E-07	3.11E-09	2.14E-07	3.05E-08	9.28E-08	9.41E-10	1.24E-07
5161	470033.67	3819659.11	3.48E-07	1.35E-06	1.79E-08	1.71E-06	2.90E-07	9.91E-07	1.28E-08	1.29E-06	3.28E-08	1.74E-07	3.05E-09	2.10E-07	2.99E-08	9.09E-08	9.22E-10	1.22E-07
5162	470025.21	3819655.45	3.40E-07	1.32E-06	1.75E-08	1.68E-06	2.83E-07	9.68E-07	1.25E-08	1.26E-06	3.21E-08	1.70E-07	2.98E-09	2.05E-07	2.92E-08	8.88E-08	9.01E-10	1.19E-07
5163	470016.75	3819651.79	3.31E-07	1.28E-06	1.70E-08	1.63E-06	2.76E-07	9.44E-07	1.22E-08	1.23E-06	3.13E-08	1.65E-07	2.90E-09	2.00E-07	2.84E-08	8.66E-08	8.78E-10	1.16E-07
5164	470101.36	3819688.38	3.79E-07	1.47E-06	1.95E-08	1.87E-06	3.16E-07	1.08E-06	1.40E-08	1.41E-06	3.58E-08	1.89E-07	3.32E-09	2.28E-07	3.25E-08	9.90E-08	1.00E-09	1.33E-07
5165	470111.06	3819688.51	3.86E-07	1.50E-06	1.98E-08	1.90E-06	3.21E-07	1.10E-06	1.42E-08	1.43E-06	3.64E-08	1.93E-07	3.38E-09	2.32E-07	3.31E-08	1.01E-07	1.02E-09	1.35E-07
5166	470120.75	3819688.65	3.91E-07	1.52E-06	2.01E-08	1.93E-06	3.26E-07	1.11E-06	1.44E-08	1.45E-06	3.69E-08	1.95E-07	3.43E-09	2.36E-07	3.36E-08	1.02E-07	1.04E-09	1.37E-07
5167	470130.45	3819688.78	3.95E-07	1.53E-06	2.03E-08	1.95E-06	3.29E-07	1.13E-06	1.46E-08	1.47E-06	3.73E-08	1.97E-07	3.46E-09	2.38E-07	3.39E-08	1.03E-07	1.05E-09	1.38E-07
5168	470140.15	3819688.92	3.98E-07	1.54E-06	2.05E-08	1.96E-06	3.32E-07	1.13E-06	1.47E-08	1.48E-06	3.76E-08	1.99E-07	3.49E-09	2.40E-07	3.42E-08	1.04E-07	1.06E-09	1.39E-07
5169	470149.85	3819689.05	4.00E-07	1.55E-06	2.05E-08	1.97E-06	3.33E-07	1.14E-06	1.47E-08	1.49E-06	3.77E-08	2.00E-07	3.50E-09	2.41E-07	3.43E-08	1.04E-07	1.06E-09	1.40E-07
5170	470159.54	3819689.19	4.00E-07	1.55E-06	2.05E-08	1.97E-06	3.33E-07	1.14E-06	1.47E-08	1.49E-06	3.77E-08	2.00E-07	3.50E-09	2.41E-07	3.43E-08	1.04E-07	1.06E-09	1.40E-07
5171	470169.24	3819689.32	3.98E-07	1.54E-06	2.05E-08	1.96E-06	3.32E-07	1.14E-06	1.47E-08	1.48E-06	3.76E-08	1.99E-07	3.49E-09	2.40E-07	3.42E-08	1.04E-07	1.06E-09	1.39E-07
5172	470178.94	3819689.46	3.96E-07	1.53E-06	2.03E-08	1.95E-06	3.29E-07	1.13E-06	1.46E-08	1.47E-06	3.74E-08	1.97E-07	3.47E-09	2.38E-07	3.40E-08	1.03E-07	1.05E-09	1.38E-07
5173	470188.63	3819689.59	3.91E-07	1.52E-06	2.01E-08	1.93E-06	3.26E-07	1.12E-06	1.44E-08	1.46E-06	3.70E-08	1.95E-07	3.43E-09	2.36E-07	3.36E-08	1.02E-07	1.04E-09	1.37E-07
5174	470198.33	3819689.73	3.86E-07	1.50E-06	1.98E-08	1.90E-06	3.22E-07	1.10E-06	1.42E-08	1.44E-06	3.65E-08	1.93E-07	3.38E-09	2.33E-07	3.31E-08	1.01E-07	1.02E-09	1.35E-07
5175	470208.03	3819689.86	3.80E-07	1.47E-06	1.95E-08	1.87E-06	3.16E-07	1.08E-06	1.40E-08	1.41E-06	3.59E-08	1.90E-07	3.33E-09	2.29E-07	3.26E-08	9.93E-08	1.01E-09	1.33E-07
5176	470217.73	3819690	3.72E-07	1.44E-06	1.91E-08	1.83E-06	3.10E-07	1.06E-06	1.37E-08	1.38E-06	3.51E-08	1.86E-07	3.26E-09	2.24E-07	3.19E-08	9.73E-08	9.87E-10	1.30E-07
5177	470227.42	3819690.13	3.64E-07	1.41E-06	1.87E-08	1.79E-06	3.03E-07	1.04E-06	1.34E-08	1.35E-06	3.44E-08	1.82E-07	3.19E-09	2.19E-07	3.12E-08	9.51E-08	9.64E-10	1.27E-07
5178	470237.12	3819690.27	3.55E-07	1.38E-06	1.82E-08	1.75E-06	2.95E-07	1.01E-06	1.31E-08	1.32E-06	3.35E-08	1.77E-07	3.11E-09	2.14E-07	3.04E-08	9.27E-08	9.40E-10	1.24E-07
5179	470246.82	3819690.4	3.45E-07	1.34E-06	1.77E-08	1.70E-06	2.87E-07	9.83E-07	1.27E-08	1.28E-06	3.26E-08	1.72E-07	3.02E-09	2.08E-07	2.96E-08	9.02E-08	9.14E-10	1.21E-07
5180	470256.51	3819690.54	3.35E-07	1.30E-06	1.72E-08	1.65E-06	2.79E-07	9.54E-07	1.23E-08	1.25E-06	3.16E-08	1.67E-07	2.93E-09	2.02E-07	2.87E-08	8.75E-08	8.87E-10	1.17E-07

5181	470266.21	3819690.67	3.24E-07	1.26E-06	1.67E-08	1.60E-06	2.70E-07	9.24E-07	1.20E-08	1.21E-06	3.06E-08	1.62E-07	2.84E-09	1.95E-07	2.78E-08	8.48E-08	8.60E-10	1.13E-07
5182	470092.35	3819704.6	3.44E-07	1.33E-06	1.77E-08	1.70E-06	2.86E-07	9.80E-07	1.27E-08	1.28E-06	3.25E-08	1.72E-07	3.01E-09	2.07E-07	2.95E-08	8.99E-08	9.12E-10	1.20E-07
5183	470083.62	3819700.82	3.43E-07	1.33E-06	1.76E-08	1.69E-06	2.86E-07	9.78E-07	1.27E-08	1.28E-06	3.24E-08	1.71E-07	3.01E-09	2.07E-07	2.95E-08	8.97E-08	9.10E-10	1.20E-07
5184	470074.89	3819697.05	3.41E-07	1.32E-06	1.75E-08	1.68E-06	2.84E-07	9.73E-07	1.26E-08	1.27E-06	3.22E-08	1.70E-07	2.99E-09	2.06E-07	2.93E-08	8.93E-08	9.05E-10	1.19E-07
5185	470066.16	3819693.28	3.39E-07	1.31E-06	1.74E-08	1.67E-06	2.82E-07	9.65E-07	1.25E-08	1.26E-06	3.20E-08	1.69E-07	2.97E-09	2.04E-07	2.91E-08	8.85E-08	8.98E-10	1.19E-07
5186	470057.43	3819689.5	3.35E-07	1.30E-06	1.72E-08	1.65E-06	2.79E-07	9.55E-07	1.24E-08	1.25E-06	3.16E-08	1.67E-07	2.94E-09	2.02E-07	2.88E-08	8.76E-08	8.88E-10	1.17E-07
5187	470048.7	3819685.73	3.31E-07	1.28E-06	1.70E-08	1.63E-06	2.75E-07	9.42E-07	1.22E-08	1.23E-06	3.12E-08	1.65E-07	2.90E-09	1.99E-07	2.84E-08	8.64E-08	8.77E-10	1.16E-07
5188	470039.97	3819681.95	3.25E-07	1.26E-06	1.67E-08	1.60E-06	2.71E-07	9.27E-07	1.20E-08	1.21E-06	3.07E-08	1.62E-07	2.85E-09	1.96E-07	2.79E-08	8.51E-08	8.63E-10	1.14E-07
5189	470031.24	3819678.18	3.19E-07	1.24E-06	1.64E-08	1.57E-06	2.66E-07	9.10E-07	1.18E-08	1.19E-06	3.02E-08	1.59E-07	2.80E-09	1.92E-07	2.74E-08	8.35E-08	8.46E-10	1.12E-07
5190	470022.51	3819674.4	3.13E-07	1.21E-06	1.61E-08	1.54E-06	2.60E-07	8.91E-07	1.15E-08	1.16E-06	2.95E-08	1.56E-07	2.74E-09	1.88E-07	2.68E-08	8.17E-08	8.29E-10	1.09E-07
5191	470013.78	3819670.63	3.05E-07	1.18E-06	1.57E-08	1.50E-06	2.54E-07	8.70E-07	1.13E-08	1.14E-06	2.88E-08	1.52E-07	2.67E-09	1.84E-07	2.62E-08	7.98E-08	8.09E-10	1.07E-07
5192	470005.06	3819666.85	2.97E-07	1.15E-06	1.53E-08	1.47E-06	2.48E-07	8.48E-07	1.10E-08	1.11E-06	2.81E-08	1.49E-07	2.61E-09	1.79E-07	2.55E-08	7.78E-08	7.89E-10	1.04E-07
5193	469996.33	3819663.08	2.89E-07	1.12E-06	1.49E-08	1.43E-06	2.41E-07	8.24E-07	1.07E-08	1.08E-06	2.73E-08	1.44E-07	2.53E-09	1.74E-07	2.48E-08	7.56E-08	7.67E-10	1.01E-07
5194	469987.6	3819659.3	2.81E-07	1.09E-06	1.44E-08	1.38E-06	2.34E-07	8.00E-07	1.04E-08	1.04E-06	2.65E-08	1.40E-07	2.46E-09	1.69E-07	2.41E-08	7.34E-08	7.44E-10	9.82E-08
5195	470101.08	3819708.37	3.44E-07	1.33E-06	1.77E-08	1.69E-06	2.86E-07	9.79E-07	1.27E-08	1.28E-06	3.24E-08	1.72E-07	3.01E-09	2.07E-07	2.95E-08	8.98E-08	9.11E-10	1.20E-07
5196	470110.78	3819708.51	3.49E-07	1.35E-06	1.79E-08	1.72E-06	2.91E-07	9.94E-07	1.29E-08	1.30E-06	3.29E-08	1.74E-07	3.06E-09	2.10E-07	2.99E-08	9.12E-08	9.25E-10	1.22E-07
5197	470120.48	3819708.64	3.53E-07	1.37E-06	1.81E-08	1.74E-06	2.94E-07	1.01E-06	1.30E-08	1.31E-06	3.33E-08	1.76E-07	3.09E-09	2.13E-07	3.03E-08	9.23E-08	9.36E-10	1.24E-07
5198	470130.17	3819708.78	3.56E-07	1.38E-06	1.83E-08	1.76E-06	2.97E-07	1.02E-06	1.31E-08	1.33E-06	3.36E-08	1.78E-07	3.12E-09	2.15E-07	3.06E-08	9.31E-08	9.44E-10	1.25E-07
5199	470139.87	3819708.91	3.58E-07	1.39E-06	1.84E-08	1.77E-06	2.98E-07	1.02E-06	1.32E-08	1.33E-06	3.38E-08	1.79E-07	3.14E-09	2.16E-07	3.08E-08	9.37E-08	9.50E-10	1.25E-07
5200	470149.57	3819709.05	3.59E-07	1.39E-06	1.85E-08	1.77E-06	2.99E-07	1.02E-06	1.32E-08	1.34E-06	3.39E-08	1.79E-07	3.15E-09	2.16E-07	3.08E-08	9.39E-08	9.52E-10	1.26E-07
5201	470159.26	3819709.18	3.59E-07	1.39E-06	1.84E-08	1.77E-06	2.99E-07	1.02E-06	1.32E-08	1.33E-06	3.39E-08	1.79E-07	3.14E-09	2.16E-07	3.08E-08	9.38E-08	9.51E-10	1.26E-07
5202	470168.96	3819709.32	3.57E-07	1.39E-06	1.84E-08	1.76E-06	2.98E-07	1.02E-06	1.32E-08	1.33E-06	3.38E-08	1.78E-07	3.13E-09	2.15E-07	3.07E-08	9.34E-08	9.47E-10	1.25E-07
5203	470178.66	3819709.45	3.55E-07	1.38E-06	1.82E-08	1.75E-06	2.96E-07	1.01E-06	1.31E-08	1.32E-06	3.35E-08	1.77E-07	3.11E-09	2.14E-07	3.05E-08	9.28E-08	9.41E-10	1.24E-07
5204	470188.36	3819709.59	3.51E-07	1.36E-06	1.80E-08	1.73E-06	2.92E-07	1.00E-06	1.30E-08	1.31E-06	3.32E-08	1.75E-07	3.08E-09	2.12E-07	3.01E-08	9.18E-08	9.31E-10	1.23E-07
5205	470198.05	3819709.72	3.46E-07	1.34E-06	1.78E-08	1.71E-06	2.89E-07	9.87E-07	1.28E-08	1.29E-06	3.27E-08	1.73E-07	3.04E-09	2.09E-07	2.97E-08	9.06E-08	9.18E-10	1.21E-07
5206	470207.75	3819709.86	3.41E-07	1.32E-06	1.75E-08	1.68E-06	2.84E-07	9.71E-07	1.26E-08	1.27E-06	3.22E-08	1.70E-07	2.99E-09	2.05E-07	2.93E-08	8.91E-08	9.04E-10	1.19E-07
5207	470217.45	3819709.99	3.34E-07	1.30E-06	1.72E-08	1.65E-06	2.79E-07	9.53E-07	1.23E-08	1.24E-06	3.16E-08	1.67E-07	2.93E-09	2.01E-07	2.87E-08	8.74E-08	8.87E-10	1.17E-07
5208	470227.14	3819710.13	3.27E-07	1.27E-06	1.68E-08	1.61E-06	2.73E-07	9.33E-07	1.21E-08	1.22E-06	3.09E-08	1.63E-07	2.87E-09	1.97E-07	2.81E-08	8.56E-08	8.68E-10	1.15E-07
5209	470236.84	3819710.26	3.20E-07	1.24E-06	1.64E-08	1.58E-06	2.66E-07	9.11E-07	1.18E-08	1.19E-06	3.02E-08	1.60E-07	2.80E-09	1.93E-07	2.74E-08	8.35E-08	8.47E-10	1.12E-07
5210	470246.54	3819710.4	3.11E-07	1.21E-06	1.60E-08	1.53E-06	2.59E-07	8.87E-07	1.15E-08	1.16E-06	2.94E-08	1.55E-07	2.73E-09	1.88E-07	2.67E-08	8.14E-08	8.25E-10	1.09E-07
5211	470256.24	3819710.53	3.03E-07	1.17E-06	1.56E-08	1.49E-06	2.52E-07	8.63E-07	1.12E-08	1.13E-06	2.86E-08	1.51E-07	2.65E-09	1.82E-07	2.60E-08	7.91E-08	8.03E-10	1.06E-07
5212	470265.93	3819710.67	2.94E-07	1.14E-06	1.51E-08	1.45E-06	2.45E-07	8.37E-07	1.08E-08	1.09E-06	2.77E-08	1.47E-07	2.57E-09	1.77E-07	2.52E-08	7.68E-08	7.79E-10	1.03E-07
5213	470092.22	3819724.66	3.14E-07	1.22E-06	1.61E-08	1.55E-06	2.61E-07	8.94E-07	1.16E-08	1.17E-06	2.96E-08	1.57E-07	2.75E-09	1.89E-07	2.69E-08	8.20E-08	8.31E-10	1.10E-07
5214	470083.64	3819720.95	3.13E-07	1.22E-06	1.61E-08	1.55E-06	2.61E-07	8.93E-07	1.16E-08	1.17E-06	2.96E-08	1.57E-07	2.75E-09	1.89E-07	2.69E-08	8.19E-08	8.31E-10	1.10E-07
5215	470075.05	3819717.24	3.12E-07	1.21E-06	1.61E-08	1.54E-06	2.60E-07	8.90E-07	1.15E-08	1.16E-06	2.95E-08	1.56E-07	2.74E-09	1.88E-07	2.68E-08	8.17E-08	8.28E-10	1.09E-07
5216	470066.47	3819713.53	3.11E-07	1.20E-06	1.60E-08	1.53E-06	2.59E-07	8.85E-07	1.15E-08	1.16E-06	2.93E-08	1.55E-07	2.72E-09	1.87E-07	2.67E-08	8.12E-08	8.23E-10	1.09E-07
5217	470014.97	3819691.25	2.85E-07	1.10E-06	1.46E-08	1.40E-06	2.37E-07	8.12E-07	1.05E-08	1.06E-06	2.69E-08	1.42E-07	2.50E-09	1.72E-07	2.45E-08	7.45E-08	7.55E-10	9.97E-08
5218	470006.38	3819687.54	2.79E-07	1.08E-06	1.43E-08	1.37E-06	2.32E-07	7.94E-07	1.03E-08	1.04E-06	2.63E-08	1.39E-07	2.44E-09	1.68E-07	2.39E-08	7.29E-08	7.39E-10	9.75E-08
5219	469997.8	3819683.83	2.72E-07	1.06E-06	1.40E-08	1.34E-06	2.27E-07	7.76E-07	1.00E-08	1.01E-06	2.57E-08	1.36E-07	2.38E-09	1.64E-07	2.34E-08	7.11E-08	7.21E-10	9.52E-08
5220	469989.22	3819680.12	2.65E-07	1.03E-06	1.36E-08	1.31E-06	2.21E-07	7.56E-07	9.78E-09	9.87E-07	2.50E-08	1.32E-07	2.32E-09	1.60E-07	2.28E-08	6.93E-08	7.03E-10	9.28E-08
5221	469980.63	3819676.41	2.58E-07	1.00E-06	1.33E-08	1.27E-06	2.15E-07	7.35E-07	9.52E-09	9.60E-07	2.44E-08	1.29E-07	2.26E-09	1.55E-07	2.22E-08	6.75E-08	6.84E-10	9.03E-08
5222	470100.8	3819728.37	3.13E-07	1.21E-06	1.61E-08	1.54E-06	2.61E-07	8.92E-07	1.15E-08	1.16E-06	2.95E-08	1.56E-07	2.74E-09	1.88E-07	2.69E-08	8.18E-08	8.29E-10	1.09E-07
5223	470110.5	3819728.51	3.17E-07	1.23E-06	1.63E-08	1.56E-06	2.64E-07	9.03E-07	1.17E-08	1.18E-06	2.99E-08	1.58E-07	2.78E-09	1.91E-07	2.72E-08	8.28E-08	8.40E-10	1.11E-07
5224	470120.2	3819728.64	3.20E-07	1.24E-06	1.64E-08	1.58E-06	2.67E-07	9.12E-07	1.18E-08	1.19E-06	3.02E-08	1.60E-07	2.81E-09	1.93E-07	2.75E-08	8.37E-08	8.49E-10	1.12E-07
5225	470129.89	3819728.78	3.23E-07	1.25E-06	1.66E-08	1.59E-06	2.69E-07	9.19E-07	1.19E-08	1.20E-06	3.05E-08	1.61E-07	2.83E-09	1.94E-07	2.77E-08	8.43E-08	8.55E-10	1.13E-07
5226	470139.59	3819728.91	3.24E-07	1.26E-06	1.66E-08	1.60E-06	2.70E-07	9.23E-07	1.19E-08	1.20E-06	3.06E-08	1.62E-07	2.84E-09	1.95E-07	2.78E-08	8.47E-08	8.59E-10	1.13E-07
5227	470149.29	3819729.05	3.24E-07	1.26E-06	1.67E-08	1.60E-06	2.70E-07	9.24E-07	1.20E-08	1.21E-06	3.06E-08	1.62E-07	2.84E-09	1.95E-07	2.78E-08	8.48E-08	8.60E-10	1.13E-07
5228	470158.99	3819729.18	3.24E-07	1.26E-06	1.66E-08	1.60E-06	2.70E-07	9.23E-07	1.19E-08	1.20E-06	3.06E-08	1.62E-07	2.84E-09	1.95E-07	2.78E-08	8.47E-08	8.58E-10	1.13E-07
5229	470168.68	3819729.32	3.22E-07	1.25E-06	1.66E-08	1.59E-06	2.68E-07	9.19E-07	1.19E-08	1.20E-06	3.04E-08	1.61E-07	2.82E-09	1.94E-07	2.77E-08	8.43E-08	8.54E-10	1.13E-07
5230	470178.38	3819729.45	3.20E-07	1.24E-06	1.64E-08	1.58E-06	2.66E-07	9.12E-07	1.18E-08	1.19E-06	3.02E-08	1.60E-07	2.80E-09	1.93E-07	2.75E-08	8.36E-08	8.48E-10	1.12E-07
5231	470188.08	3819729.59	3.17E-07	1.23E-06	1.63E-08	1.56E-06	2.64E-07	9.02E-07	1.17E-08	1.18E-06	2.99E-08	1.58E-07	2.77E-09	1.91E-07	2.72E-08	8.28E-08	8.39E-10	1.11E-07
5232	470197.77	3819729.72	3.12E-07	1.21E-06	1.61E-08	1.54E-06	2.60E-07	8.90E-07	1.15E-08	1.16E-06	2.95E-08	1.56E-07	2.74E-09	1.88E-07	2.68E-08	8.17E-08	8.28E-10	1.09E-07
5233	470207.47	3819729.86	3.08E-07	1.19E-06	1.58E-08	1.52E-06	2.56E-07	8.76E-07	1.13E-08	1.14E-06	2.90E-08	1.54E-07	2.70E-09	1.85E-07	2.64E-08	8.04E-08	8.15E-10	1.08E-07
5234	470217.17	3819729.99	3.02E-07	1.17E-06	1.55E-08	1.49E-06	2.52E-07	8.61E-07	1.11E-08	1.12E-06	2.85E-08	1.51E-07	2.65E-09	1.82E-07	2.59E-08	7.89E-08	8.01E-10	1.06E-07
5235	470226.87	3819730.13	2.96E-07	1.15E-06	1.52E-08	1.46E-06	2.46E-07	8.43E-07	1.09E-08	1.10E-06	2.79E-08	1.48E-07	2.59E-09	1.78E-07	2.54E-08	7.73E-08	7.84E-10	1.04E-07
5236	470236.56	3819730.26	2.89E-07	1.12E-06	1.49E-08	1.43E-06	2.41E-07	8.25E-07	1.07E-08	1.08E-06	2.73E-08	1.44E-07	2.54E-09	1.74E-07	2.48E-08	7.56E-08	7.67E-10	1.01E-07
5237	470246.26	3819730.4	2.82E-07	1.10E-06	1.45E-08	1.39E-06	2.35E-07	8.05E-07	1.04E-08	1.05E-06	2.67E-08	1.41E-07	2.48E-09	1.70E-07	2.42E-08	7.38E-08	7.49E-10	9.88E-08
5238	470255.96	3819730.53	2.75E-07	1.07E-06	1.41E-08	1.36E-06	2.29E-07	7.84E-07	1.02E-08	1.02E-06	2.60E-08	1.37E-07	2.41E-09	1.66E-07	2.36E-08	7.20E-08	7.30E-10	9.63E-08
5239	470265.66	3819730.67	2.68E-07	1.04E-06	1.38E-08	1.32E-06	2.23E-07	7.63E-07	9.87E-09	9.96E-07	2.53E-08	1.34E-07	2.35E-09	1.61E-07	2.30E-08	7.00E-08	7.10E-10	9.37E-08
5240	470091.71	3819744.56	2.87E-07	1.11E-06	1.48E-08	1.42E-06	2.39E-07	8.18E-07	1.06E-08	1.07E-06	2.71E-08	1.43E-07	2.52E-09	1.73E-07	2.46E-08	7.51E-08	7.61E-10	1.00E-07
5241	470082.9	3819740.75	2.87E-07	1.11E-06	1.48E-08	1.42E-06	2.39E-07	8.19E-07	1.06E-08	1.07E-06	2.71E-08	1.43E-07	2.52E-09	1.73E-07	2.47E-08	7.51E-08	7.62E-10	1.01E-07
5242	470074.08	3819736.94	2.87E-07	1.11E-06	1.47E-08	1.41E-06	2.39E-07	8.17E-07	1.06E-08	1.07E-06	2.71E-08	1.43E-07	2.51E-09	1.73E-07	2.46E-08	7.50E-08	7.60E-10	1.00E-07
5243	470065.27	3819733.13	2.85E-07	1.11E-06	1.47E-08	1.41E-06	2.38E-07	8.13E-07	1.05E-08	1.06E-06	2.70E-08	1.43E-07	2.50E-09	1.72E-07	2.45E-08	7.46E-08	7.57E-10	9.99E-08
5244	470100.52	3819748.37	2.86E-07	1.11E-06	1.47E-08	1.41E-06	2.38E-07	8.15E-07	1.06E-08	1.06E-06	2.70E-08	1.43E-07	2.51E-09	1.72E-07	2.46E-08	7.48E-08	7.58E-10	1.00E-07
5245	470110.22	3819748.51	2.89E-07	1.12E-06	1.49E-08	1.43E-06	2.41E-07	8.25E-07	1.07E-08	1.08E-06	2.73E-08	1.44E-07	2.54E-09	1.74E-07	2.48E-08	7.56E-08	7.67E-10	1.01E-07
5246	470119.92	3819748.64	2.92E-07	1.13E-06	1.50E-08	1.44E-06	2.43E-07	8.32E-07	1.08E-08	1.09E-06	2.76E-08	1.46E-07	2.56E-09	1.76E-07	2.51E-08	7.63E-08	7.74E-10	1.02E-07
5247	470129.62	3819748.78	2.94E-07	1.14E-06	1.51E-08	1.45E-06	2.45E-07	8.37E-07	1.08E-08	1.09E-06	2.77E-08	1.47E-07	2.57E-09	1.77E-07	2.52E-08	7.68E-08	7.78E-10	1.03E-07
5248	470139.31	3819748.91	2.95E-07	1.14E-06	1.51E-08	1.45E-06	2.45E-07	8.40E-07	1.09E-08	1.10E-06	2.78E-08	1.47E-07	2.58E-09	1.77E-07	2.53E-08	7.70E-08	7.81E-10	1.03E-07
5249	470149.01	3819749.05	2.95E-07	1.14E-06	1.51E-08	1.45E-06	2.45E-07	8.40E-07	1.09E-08	1.10E-06	2.78E-08	1.47E-07	2.58E-09	1.78E-07	2.53E-08	7.70E-08	7.81E-10	1.03E-07
5250	470158.71	3819749.18	2.94E-07	1.14E-06	1.51E-08	1.45E-06	2.45E-07	8.38E-07	1.08E-08	1.09E-06	2.78E-08	1.47E-07	2.58E-09	1.77E-07	2.52E-08	7.69E-08	7.79E-10	1.03E-07
5251	470168.4	3819749.32	2.92E-07	1.13E-06	1.50E-08	1.44E-06	2.44E-07	8.34E-07	1.08E-08	1.09E-06	2.76E-08	1.46E-07	2.56E-09	1.76E-07	2.51E-08	7.65E-08	7.75E-10	1.02E-07
5252	470178.1	3819749.45	2.90E-07	1.13E-06	1.49E-08	1.43E-06	2.42E-07	8.27E-07	1.07E-08	1.08E-06	2.74E-08	1.45E-07	2.54E-09	1.75E-07	2.49E-08	7.59E-08	7.69E-10	1.02E-07
5253	470187.8	3819749.59	2.87E-07	1.11E-06	1.48E-08	1.42E-06	2.39E-07	8.19E-07	1.06E-08	1.07E-06	2.71E-08	1.43E-07	2.52E-09	1.73E-07	2.47E-08	7.51E-08	7.61E-10	1.01E-07
5254	470197.5	3819749.72	2.84E-07	1.10E-06	1.46E-08	1.40E-06	2.36E-07	8.08E-07	1.05E-08	1.05E-06	2.68E-08	1.42E-07	2.48E-09	1.71E-07	2.43E-08	7.41E-08	7.52E-10	9.92E-08
5255	470207.19	3819749.86	2.79E-07	1.08E-06	1.43E-08	1.38E-06	2.33E-07	7.96E-07	1.03E-08	1.04E-06	2.64E-08	1.39E-07	2.45E-09	1.68E-07	2.40E-08	7.30E-08	7.40E-10	9.77E-08
5256	470216.89	3819749.99	2.74E-07	1.06E-06	1.41E-08	1.35E-06	2.29E-07	7.82E-07	1.01E-08	1.02E-06	2.59E-08	1.37E-07	2.40E-09	1.65E-07	2.36E-08	7.17E-08	7.28E-10	9.60E-08
5257	470226.59	3819750.13	2.69E-07	1.04E-06	1.38E-08	1.33E-06	2.24E-07	7.67E-07	9.93E-09	1.00E-06	2.54E-08	1.34E-07	2.36E-09	1.62E-07	2.31E-08	7.04E-08	7.13E-10	9.42E-08
5258	470236.29	3819750.26	2.63E-07	1.02E-06	1.35E-08	1.30E-06	2.19E-07	7.51E-07	9.72E-09	9.80E-07	2.49E-08	1.32E-07	2.31E-09	1.59E-07	2.26E-08	6.89E-08	6.98E-10	9.22E-08
5259	470245.98	3819750.4	2.58E-07	9.99E-07	1.32E-08	1.27E-06	2.14E-07	7.34E-07	9.50E-09	9.58E-07	2.43E-08	1.29E-07	2.26E-09	1.55E-07	2.21E-08	6.73E-08	6.83E-10	9.01E-08
5260	470255.68	3819750.53	2.51E-07	9.74E-07	1.29E-08	1.24E-06	2.09E-07	7.16E-07	9.27E-09	9.35E-07	2.37E-08	1.25E-07	2.20E-09	1.51E-07	2.16E-08	6.57E-08	6.66E-10	8.79E-08
5261	470265.38	3819750.67	2.45E-07	9.49E-07	1.26E-08	1.21E-06	2.04E-07	6.97E-07	9.03E-09	9.10E-07	2.31E-08	1.22E-07	2.14E-09	1.47E-07	2.10E-08	6.40E-08	6.49E-10	8.56E-08
5262	470091.09	3819784.53	2.44E-07	9.45E-07	1.25E-08	1.20E-06	2.03E-07	6.94E-07	8.98E-09	9.06E-07	2.30E-08	1.22E-07	2.13E-09	1.47E-07	2.09E-08	6.37E-08	6.46E-10	8.52E-08
5263	470082.21	3819780.69	2.44E-07	9.47E-07	1.25E-08	1.20E-06	2.03E-07	6.96E-07	9.00E-09	9.08E-07	2.31E-08	1.22E-07	2.14E-09	1.47E-07	2.10E-08	6.38E-08	6.47E-10	8.54E-08
5264	470073.33	3819776.85	2.44E-07	9.47E-07	1.25E-08	1.20E-06	2.03E-07	6.96E-07	9.00E-09	9.08E-07	2.31E-08	1.22E-07	2.14E-09	1.47E-07	2.10E-08	6.38E-08	6.47E-10	8.54E-08
5265	470064.45	3819773.01	2.44E-07	9.45E-07	1.25E-08	1.20E-06	2.03E-07	6.94E-07	8.98E-09	9.06E-07	2.30E-08	1.22E-07	2.13E-09	1.47E-07	2.09E-08	6.37E-08	6.46E-10	8.52E-08
5266	470099.97	3819788.37	2.42E-07	9.40E-07	1.25E-08	1.19E-06	2.02E-07	6.91E-07	8.94E-09	9.02E-07	2.29E-08	1.21E-07	2.12E-09	1.46E-07	2.08E-08	6.34E-08	6.43E-10	8.48E-08
5267	470109.66	3819788.5	2.44E-07	9.48E-07	1.26E-08	1.20E-06	2.04E-07	6.96E-07	9.01E-09	9.09E-07	2.31E-08	1.22E-07	2.14E-09	1.47E-07	2.10E-08	6.39E-08	6.48E-10	8.55E-08
5268	470119.36	3819788.64	2.46E-07	9.54E-07	1.26E-08	1.21E-06	2.05E-07	7.01E-07	9.07E-09	9.15E-07	2.32E-08	1.23E-07	2.15E-09	1.48E-07	2.11E-08	6.43E-08	6.52E-10	8.60E-08
5269	470129.06	3819788.77	2.47E-07	9.57E-07	1.27E-08	1.22E-06	2.06E-07	7.03E-07	9.10E-09	9.18E-07	2.33E-08	1.23E-07	2.16E-09	1.49E-07	2.12E-08	6.45E-08	6.54E-10	8.64E-08
5270	470138.76	3819788.91	2.47E-07	9.58E-07	1.27E-08	1.22E-06	2.06E-07	7.04E-07	9.11E-09	9.19E-07	2.33E-08	1.23E-07	2.17E-09	1.49E-07	2.12E-08	6.46E-08	6.55E-10	8.65E-08
5271	470148.45	3819789.04	2.47E-07	9.57E-07	1.27E-08	1.22E-06	2.06E-07	7.04E-07	9.10E-09	9.18E-07	2.33E-08	1.23E-07	2.16E-09	1.49E-07	2.12E-08	6.45E-08	6.54E-10	8.64E-08
5272	470158.15	3819789.18	2.46E-07	9.54E-07	1.26E-08	1.21E-06	2.05E-07	7.01E-07	9.07E-09	9.15E-07	2.32E-08	1.23E-07	2.16E-09	1.48E-07	2.11E-08	6.43E-08	6.52E-10	8.61E-08
5273	470167.85	3819789.31	2.45E-07	9.49E-07	1.26E-08	1.21E-06	2.04E-07	6.97E-07	9.02E-09	9.10E-07	2.31E-08	1.22E-07	2.14E-09	1.47E-07	2.10E-08	6.39E-08	6.48E-10	8.56E-08
5274	470177.54	3819789.45	2.43E-07	9.41E-07	1.25E-08	1.20E-06	2.02E-07	6.91E-07	8.95E-09	9.02E-07	2.29E-08	1.21E-07	2.13E-09	1.46E-07	2.08E-08	6.34E-08	6.43E-10	8.49E-08
5275	470187.24	3819789.58	2.40E-07	9.31E-07	1.23E-08	1.18E-06	2.00E-07	6.84E-07	8.86E-09	8.93E-07	2.27E-08	1.20E-07	2.10E-09	1.45E-07	2.06E-08	6.28E-08	6.37E-10	8.40E-08
5276	470196.94	3819789.72	2.37E-07	9.20E-07	1.22E-08	1.17E-06	1.98E-07	6.76E-07	8.75E-09	8.82E-07	2.24E-08	1.18E-07	2.08E-09	1.43E-07	2.04E-08	6.20E-08	6.29E-10

5277	470206.64	3819789.85	2.34E-07	9.07E-07	1.20E-08	1.15E-06	1.95E-07	6.66E-07	8.62E-09	8.70E-07	2.21E-08	1.17E-07	2.05E-09	1.41E-07	2.01E-08	6.11E-08	6.20E-10	8.18E-08
5278	470216.33	3819789.99	2.30E-07	8.92E-07	1.18E-08	1.13E-06	1.92E-07	6.56E-07	8.48E-09	8.56E-07	2.17E-08	1.15E-07	2.02E-09	1.39E-07	1.97E-08	6.01E-08	6.10E-10	8.05E-08
5279	470226.03	3819790.12	2.26E-07	8.76E-07	1.16E-08	1.11E-06	1.88E-07	6.44E-07	8.33E-09	8.40E-07	2.13E-08	1.13E-07	1.98E-09	1.36E-07	1.94E-08	5.91E-08	5.99E-10	7.91E-08
5280	470235.73	3819790.26	2.22E-07	8.59E-07	1.14E-08	1.09E-06	1.85E-07	6.31E-07	8.17E-09	8.24E-07	2.09E-08	1.11E-07	1.94E-09	1.33E-07	1.90E-08	5.79E-08	5.87E-10	7.75E-08
5281	470245.43	3819790.39	2.17E-07	8.42E-07	1.11E-08	1.07E-06	1.81E-07	6.18E-07	8.00E-09	8.07E-07	2.05E-08	1.08E-07	1.90E-09	1.31E-07	1.86E-08	5.67E-08	5.75E-10	7.59E-08
5282	470255.12	3819790.53	2.12E-07	8.23E-07	1.09E-08	1.05E-06	1.77E-07	6.05E-07	7.83E-09	7.89E-07	2.00E-08	1.06E-07	1.86E-09	1.28E-07	1.82E-08	5.55E-08	5.62E-10	7.42E-08
5283	470264.82	3819790.66	2.07E-07	8.04E-07	1.06E-08	1.02E-06	1.73E-07	5.91E-07	7.64E-09	7.71E-07	1.96E-08	1.03E-07	1.82E-09	1.25E-07	1.78E-08	5.42E-08	5.49E-10	7.25E-08
5284	470090.77	3819824.63	2.09E-07	8.12E-07	1.08E-08	1.03E-06	1.74E-07	5.97E-07	7.72E-09	7.79E-07	1.98E-08	1.05E-07	1.83E-09	1.26E-07	1.80E-08	5.47E-08	5.55E-10	7.32E-08
5285	470082.12	3819820.89	2.10E-07	8.15E-07	1.08E-08	1.04E-06	1.75E-07	5.99E-07	7.75E-09	7.82E-07	1.98E-08	1.05E-07	1.84E-09	1.27E-07	1.80E-08	5.49E-08	5.57E-10	7.35E-08
5286	470073.48	3819817.15	2.11E-07	8.17E-07	1.08E-08	1.04E-06	1.75E-07	6.00E-07	7.77E-09	7.83E-07	1.99E-08	1.05E-07	1.85E-09	1.27E-07	1.81E-08	5.50E-08	5.58E-10	7.37E-08
5287	470064.84	3819813.41	2.10E-07	8.16E-07	1.08E-08	1.04E-06	1.75E-07	6.00E-07	7.76E-09	7.83E-07	1.99E-08	1.05E-07	1.84E-09	1.27E-07	1.81E-08	5.50E-08	5.58E-10	7.37E-08
5288	470099.41	3819828.36	2.08E-07	8.07E-07	1.07E-08	1.03E-06	1.73E-07	5.93E-07	7.67E-09	7.74E-07	1.96E-08	1.04E-07	1.82E-09	1.25E-07	1.79E-08	5.44E-08	5.52E-10	7.28E-08
5289	470109.11	3819828.5	2.09E-07	8.12E-07	1.08E-08	1.03E-06	1.74E-07	5.96E-07	7.72E-09	7.78E-07	1.98E-08	1.04E-07	1.83E-09	1.26E-07	1.80E-08	5.47E-08	5.55E-10	7.32E-08
5290	470118.8	3819828.63	2.10E-07	8.15E-07	1.08E-08	1.04E-06	1.75E-07	5.99E-07	7.75E-09	7.82E-07	1.98E-08	1.05E-07	1.84E-09	1.27E-07	1.80E-08	5.49E-08	5.57E-10	7.35E-08
5291	470128.5	3819828.77	2.11E-07	8.17E-07	1.08E-08	1.04E-06	1.75E-07	6.00E-07	7.77E-09	7.83E-07	1.99E-08	1.05E-07	1.85E-09	1.27E-07	1.81E-08	5.50E-08	5.58E-10	7.37E-08
5292	470138.2	3819828.9	2.11E-07	8.16E-07	1.08E-08	1.04E-06	1.75E-07	6.00E-07	7.76E-09	7.83E-07	1.99E-08	1.05E-07	1.84E-09	1.27E-07	1.81E-08	5.50E-08	5.58E-10	7.37E-08
5293	470147.9	3819829.04	2.10E-07	8.15E-07	1.08E-08	1.04E-06	1.75E-07	5.99E-07	7.75E-09	7.81E-07	1.98E-08	1.05E-07	1.84E-09	1.27E-07	1.80E-08	5.49E-08	5.57E-10	7.35E-08
5294	470157.59	3819829.17	2.09E-07	8.11E-07	1.07E-08	1.03E-06	1.74E-07	5.96E-07	7.71E-09	7.78E-07	1.97E-08	1.04E-07	1.83E-09	1.26E-07	1.80E-08	5.47E-08	5.54E-10	7.32E-08
5295	470167.29	3819829.31	2.08E-07	8.06E-07	1.07E-08	1.02E-06	1.73E-07	5.92E-07	7.66E-09	7.73E-07	1.96E-08	1.04E-07	1.82E-09	1.25E-07	1.78E-08	5.43E-08	5.51E-10	7.27E-08
5296	470176.99	3819829.44	2.06E-07	7.99E-07	1.06E-08	1.02E-06	1.72E-07	5.87E-07	7.60E-09	7.67E-07	1.95E-08	1.03E-07	1.81E-09	1.24E-07	1.77E-08	5.39E-08	5.46E-10	7.21E-08
5297	470186.69	3819829.58	2.04E-07	7.91E-07	1.05E-08	1.01E-06	1.70E-07	5.81E-07	7.52E-09	7.59E-07	1.93E-08	1.02E-07	1.79E-09	1.23E-07	1.75E-08	5.33E-08	5.41E-10	7.14E-08
5298	470196.38	3819829.71	2.02E-07	7.82E-07	1.04E-08	9.94E-07	1.68E-07	5.74E-07	7.43E-09	7.50E-07	1.90E-08	1.01E-07	1.77E-09	1.21E-07	1.73E-08	5.27E-08	5.34E-10	7.05E-08
5299	470206.08	3819829.85	1.99E-07	7.71E-07	1.02E-08	9.80E-07	1.66E-07	5.67E-07	7.33E-09	7.40E-07	1.88E-08	9.93E-08	1.74E-09	1.20E-07	1.71E-08	5.20E-08	5.27E-10	6.96E-08
5300	470215.78	3819829.98	1.96E-07	7.60E-07	1.01E-08	9.65E-07	1.63E-07	5.58E-07	7.22E-09	7.28E-07	1.85E-08	9.78E-08	1.72E-09	1.18E-07	1.68E-08	5.12E-08	5.19E-10	6.85E-08
5301	470225.47	3819830.12	1.93E-07	7.47E-07	9.90E-09	9.49E-07	1.60E-07	5.49E-07	7.10E-09	7.16E-07	1.82E-08	9.62E-08	1.69E-09	1.16E-07	1.65E-08	5.04E-08	5.11E-10	6.74E-08
5302	470235.17	3819830.25	1.89E-07	7.34E-07	9.72E-09	9.33E-07	1.58E-07	5.39E-07	6.98E-09	7.04E-07	1.79E-08	9.45E-08	1.66E-09	1.14E-07	1.62E-08	4.95E-08	5.02E-10	6.62E-08
5303	470244.87	3819830.39	1.86E-07	7.20E-07	9.54E-09	9.15E-07	1.55E-07	5.29E-07	6.84E-09	6.90E-07	1.75E-08	9.27E-08	1.63E-09	1.12E-07	1.59E-08	4.85E-08	4.92E-10	6.49E-08
5304	470254.57	3819830.52	1.82E-07	7.05E-07	9.34E-09	8.97E-07	1.51E-07	5.18E-07	6.71E-09	6.76E-07	1.72E-08	9.08E-08	1.59E-09	1.10E-07	1.56E-08	4.75E-08	4.82E-10	6.36E-08
5305	470264.26	3819830.66	1.78E-07	6.91E-07	9.15E-09	8.78E-07	1.48E-07	5.07E-07	6.57E-09	6.62E-07	1.68E-08	8.89E-08	1.56E-09	1.07E-07	1.53E-08	4.65E-08	4.72E-10	6.23E-08
5306	470090.14	3819864.59	1.82E-07	7.05E-07	9.34E-09	8.96E-07	1.51E-07	5.18E-07	6.71E-09	6.76E-07	1.72E-08	9.08E-08	1.59E-09	1.10E-07	1.56E-08	4.75E-08	4.82E-10	6.36E-08
5307	470081.43	3819860.83	1.83E-07	7.09E-07	9.39E-09	9.01E-07	1.52E-07	5.21E-07	6.74E-09	6.80E-07	1.73E-08	9.13E-08	1.60E-09	1.10E-07	1.57E-08	4.78E-08	4.85E-10	6.40E-08
5308	470072.72	3819857.06	1.83E-07	7.11E-07	9.42E-09	9.04E-07	1.53E-07	5.23E-07	6.76E-09	6.82E-07	1.73E-08	9.15E-08	1.61E-09	1.10E-07	1.57E-08	4.79E-08	4.86E-10	6.42E-08
5309	470064.01	3819853.29	1.84E-07	7.12E-07	9.43E-09	9.05E-07	1.53E-07	5.23E-07	6.77E-09	6.83E-07	1.73E-08	9.17E-08	1.61E-09	1.11E-07	1.58E-08	4.80E-08	4.87E-10	6.42E-08
5310	470098.85	3819868.36	1.81E-07	7.00E-07	9.28E-09	8.90E-07	1.50E-07	5.15E-07	6.66E-09	6.72E-07	1.71E-08	9.02E-08	1.58E-09	1.09E-07	1.55E-08	4.72E-08	4.79E-10	6.32E-08
5311	470108.55	3819868.49	1.81E-07	7.03E-07	9.32E-09	8.94E-07	1.51E-07	5.17E-07	6.69E-09	6.75E-07	1.71E-08	9.05E-08	1.59E-09	1.09E-07	1.56E-08	4.74E-08	4.81E-10	6.35E-08
5312	470118.25	3819868.63	1.82E-07	7.05E-07	9.34E-09	8.96E-07	1.51E-07	5.18E-07	6.70E-09	6.76E-07	1.72E-08	9.08E-08	1.59E-09	1.10E-07	1.56E-08	4.75E-08	4.82E-10	6.36E-08
5313	470127.95	3819868.76	1.82E-07	7.05E-07	9.35E-09	8.97E-07	1.52E-07	5.18E-07	6.71E-09	6.77E-07	1.72E-08	9.08E-08	1.59E-09	1.10E-07	1.56E-08	4.76E-08	4.82E-10	6.36E-08
5314	470137.64	3819868.9	1.82E-07	7.05E-07	9.33E-09	8.96E-07	1.51E-07	5.18E-07	6.70E-09	6.76E-07	1.72E-08	9.07E-08	1.59E-09	1.09E-07	1.56E-08	4.75E-08	4.82E-10	6.36E-08
5315	470147.34	3819869.03	1.81E-07	7.02E-07	9.30E-09	8.93E-07	1.51E-07	5.16E-07	6.68E-09	6.74E-07	1.71E-08	9.04E-08	1.59E-09	1.09E-07	1.55E-08	4.73E-08	4.80E-10	6.34E-08
5316	470157.04	3819869.17	1.80E-07	6.99E-07	9.26E-09	8.88E-07	1.50E-07	5.13E-07	6.64E-09	6.70E-07	1.70E-08	9.00E-08	1.58E-09	1.09E-07	1.55E-08	4.71E-08	4.78E-10	6.30E-08
5317	470166.73	3819869.3	1.79E-07	6.94E-07	9.19E-09	8.82E-07	1.49E-07	5.10E-07	6.60E-09	6.66E-07	1.69E-08	8.93E-08	1.57E-09	1.08E-07	1.54E-08	4.68E-08	4.74E-10	6.26E-08
5318	470176.43	3819869.44	1.77E-07	6.88E-07	9.12E-09	8.75E-07	1.48E-07	5.06E-07	6.54E-09	6.60E-07	1.68E-08	8.86E-08	1.55E-09	1.07E-07	1.52E-08	4.64E-08	4.70E-10	6.21E-08
5319	470186.13	3819869.57	1.76E-07	6.81E-07	9.03E-09	8.66E-07	1.46E-07	5.01E-07	6.48E-09	6.53E-07	1.66E-08	8.77E-08	1.54E-09	1.06E-07	1.51E-08	4.59E-08	4.66E-10	6.15E-08
5320	470195.83	3819869.71	1.74E-07	6.73E-07	8.92E-09	8.56E-07	1.45E-07	4.95E-07	6.40E-09	6.46E-07	1.64E-08	8.67E-08	1.52E-09	1.05E-07	1.49E-08	4.54E-08	4.60E-10	6.08E-08
5321	470205.52	3819869.84	1.71E-07	6.65E-07	8.80E-09	8.45E-07	1.43E-07	4.88E-07	6.32E-09	6.37E-07	1.62E-08	8.56E-08	1.50E-09	1.03E-07	1.47E-08	4.48E-08	4.54E-10	6.00E-08
5322	470215.22	3819869.98	1.69E-07	6.55E-07	8.67E-09	8.32E-07	1.41E-07	4.81E-07	6.23E-09	6.28E-07	1.59E-08	8.43E-08	1.48E-09	1.02E-07	1.45E-08	4.41E-08	4.48E-10	5.91E-08
5323	470224.92	3819870.11	1.66E-07	6.44E-07	8.54E-09	8.19E-07	1.38E-07	4.73E-07	6.13E-09	6.18E-07	1.57E-08	8.29E-08	1.46E-09	1.00E-07	1.43E-08	4.34E-08	4.40E-10	5.81E-08
5324	470234.61	3819870.25	1.63E-07	6.34E-07	8.39E-09	8.05E-07	1.36E-07	4.66E-07	6.02E-09	6.08E-07	1.54E-08	8.16E-08	1.43E-09	9.84E-08	1.40E-08	4.27E-08	4.33E-10	5.72E-08
5325	470244.31	3819870.38	1.61E-07	6.22E-07	8.25E-09	7.91E-07	1.34E-07	4.57E-07	5.92E-09	5.97E-07	1.52E-08	8.01E-08	1.41E-09	9.67E-08	1.38E-08	4.20E-08	4.25E-10	5.62E-08
5326	470254.01	3819870.52	1.58E-07	6.11E-07	8.09E-09	7.77E-07	1.31E-07	4.49E-07	5.81E-09	5.86E-07	1.49E-08	7.87E-08	1.38E-09	9.49E-08	1.35E-08	4.12E-08	4.18E-10	5.51E-08
5327	470263.71	3819870.65	1.55E-07	5.99E-07	7.94E-09	7.62E-07	1.29E-07	4.40E-07	5.70E-09	5.75E-07	1.46E-08	7.72E-08	1.35E-09	9.31E-08	1.33E-08	4.04E-08	4.10E-10	5.41E-08
5328	470089.53	3819904.56	1.59E-07	6.18E-07	8.19E-09	7.86E-07	1.33E-07	4.54E-07	5.88E-09	5.93E-07	1.51E-08	7.96E-08	1.40E-09	9.61E-08	1.37E-08	4.17E-08	4.23E-10	5.58E-08
5329	470080.76	3819900.77	1.60E-07	6.22E-07	8.24E-09	7.91E-07	1.34E-07	4.57E-07	5.91E-09	5.97E-07	1.51E-08	8.01E-08	1.41E-09	9.66E-08	1.38E-08	4.19E-08	4.25E-10	5.61E-08
5330	470072	3819896.98	1.61E-07	6.24E-07	8.27E-09	7.94E-07	1.34E-07	4.59E-07	5.94E-09	5.99E-07	1.52E-08	8.04E-08	1.41E-09	9.70E-08	1.38E-08	4.21E-08	4.27E-10	5.63E-08
5331	470063.23	3819893.19	1.61E-07	6.26E-07	8.29E-09	7.96E-07	1.34E-07	4.60E-07	5.95E-09	6.00E-07	1.52E-08	8.06E-08	1.41E-09	9.72E-08	1.39E-08	4.22E-08	4.28E-10	5.65E-08
5332	470098.3	3819908.36	1.58E-07	6.14E-07	8.13E-09	7.80E-07	1.32E-07	4.51E-07	5.84E-09	5.89E-07	1.49E-08	7.90E-08	1.39E-09	9.54E-08	1.36E-08	4.14E-08	4.20E-10	5.54E-08
5333	470107.99	3819908.49	1.59E-07	6.16E-07	8.16E-09	7.83E-07	1.32E-07	4.52E-07	5.85E-09	5.90E-07	1.50E-08	7.93E-08	1.39E-09	9.56E-08	1.36E-08	4.15E-08	4.21E-10	5.55E-08
5334	470117.69	3819908.63	1.59E-07	6.16E-07	8.17E-09	7.83E-07	1.32E-07	4.53E-07	5.86E-09	5.91E-07	1.50E-08	7.93E-08	1.39E-09	9.57E-08	1.36E-08	4.15E-08	4.21E-10	5.56E-08
5335	470127.39	3819908.76	1.59E-07	6.16E-07	8.16E-09	7.83E-07	1.32E-07	4.53E-07	5.86E-09	5.91E-07	1.50E-08	7.93E-08	1.39E-09	9.57E-08	1.36E-08	4.15E-08	4.21E-10	5.56E-08
5336	470137.09	3819908.9	1.58E-07	6.15E-07	8.14E-09	7.81E-07	1.32E-07	4.52E-07	5.84E-09	5.89E-07	1.50E-08	7.91E-08	1.39E-09	9.55E-08	1.36E-08	4.14E-08	4.20E-10	5.55E-08
5337	470146.78	3819909.03	1.58E-07	6.12E-07	8.11E-09	7.78E-07	1.31E-07	4.50E-07	5.82E-09	5.87E-07	1.49E-08	7.88E-08	1.38E-09	9.51E-08	1.36E-08	4.13E-08	4.18E-10	5.52E-08
5338	470156.48	3819909.17	1.57E-07	6.09E-07	8.07E-09	7.74E-07	1.31E-07	4.47E-07	5.79E-09	5.84E-07	1.48E-08	7.84E-08	1.38E-09	9.46E-08	1.35E-08	4.10E-08	4.16E-10	5.49E-08
5339	470166.18	3819909.3	1.56E-07	6.05E-07	8.01E-09	7.68E-07	1.30E-07	4.44E-07	5.75E-09	5.80E-07	1.47E-08	7.78E-08	1.37E-09	9.39E-08	1.34E-08	4.07E-08	4.13E-10	5.45E-08
5340	470175.87	3819909.44	1.55E-07	5.99E-07	7.94E-09	7.62E-07	1.29E-07	4.40E-07	5.70E-09	5.75E-07	1.46E-08	7.72E-08	1.35E-09	9.31E-08	1.33E-08	4.04E-08	4.10E-10	5.41E-08
5341	470185.57	3819909.57	1.53E-07	5.93E-07	7.86E-09	7.54E-07	1.27E-07	4.36E-07	5.64E-09	5.69E-07	1.44E-08	7.64E-08	1.34E-09	9.22E-08	1.31E-08	4.00E-08	4.06E-10	5.35E-08
5342	470195.27	3819909.71	1.51E-07	5.87E-07	7.77E-09	7.46E-07	1.26E-07	4.31E-07	5.58E-09	5.63E-07	1.43E-08	7.55E-08	1.33E-09	9.12E-08	1.30E-08	3.96E-08	4.01E-10	5.29E-08
5343	470204.97	3819909.84	1.49E-07	5.79E-07	7.68E-09	7.36E-07	1.24E-07	4.26E-07	5.51E-09	5.56E-07	1.41E-08	7.46E-08	1.31E-09	9.00E-08	1.28E-08	3.91E-08	3.96E-10	5.23E-08
5344	470214.66	3819909.98	1.47E-07	5.71E-07	7.57E-09	7.26E-07	1.23E-07	4.20E-07	5.43E-09	5.48E-07	1.39E-08	7.35E-08	1.29E-09	8.87E-08	1.26E-08	3.85E-08	3.91E-10	5.15E-08
5345	470224.36	3819910.11	1.45E-07	5.63E-07	7.46E-09	7.15E-07	1.21E-07	4.14E-07	5.35E-09	5.40E-07	1.37E-08	7.24E-08	1.27E-09	8.74E-08	1.25E-08	3.79E-08	3.85E-10	5.08E-08
5346	470234.06	3819910.25	1.43E-07	5.54E-07	7.34E-09	7.04E-07	1.19E-07	4.07E-07	5.27E-09	5.31E-07	1.35E-08	7.13E-08	1.25E-09	8.60E-08	1.23E-08	3.73E-08	3.79E-10	5.00E-08
5347	470243.76	3819910.38	1.41E-07	5.45E-07	7.22E-09	6.93E-07	1.17E-07	4.00E-07	5.18E-09	5.23E-07	1.33E-08	7.01E-08	1.23E-09	8.46E-08	1.21E-08	3.67E-08	3.72E-10	4.92E-08
5348	470253.45	3819910.52	1.38E-07	5.36E-07	7.10E-09	6.81E-07	1.15E-07	3.94E-07	5.09E-09	5.14E-07	1.30E-08	6.90E-08	1.21E-09	8.32E-08	1.19E-08	3.61E-08	3.66E-10	4.83E-08
5349	470263.15	3819910.65	1.36E-07	5.26E-07	6.97E-09	6.69E-07	1.13E-07	3.87E-07	5.00E-09	5.05E-07	1.28E-08	6.77E-08	1.19E-09	8.17E-08	1.16E-08	3.55E-08	3.60E-10	4.75E-08
5350	470088.93	3819944.54	1.41E-07	5.47E-07	7.25E-09	6.96E-07	1.18E-07	4.02E-07	5.20E-09	5.25E-07	1.33E-08	7.04E-08	1.24E-09	8.50E-08	1.21E-08	3.69E-08	3.74E-10	4.94E-08
5351	470080.11	3819940.73	1.42E-07	5.51E-07	7.30E-09	7.00E-07	1.18E-07	4.05E-07	5.24E-09	5.28E-07	1.34E-08	7.09E-08	1.24E-09	8.56E-08	1.22E-08	3.71E-08	3.76E-10	4.97E-08
5352	470071.3	3819936.92	1.43E-07	5.54E-07	7.33E-09	7.04E-07	1.19E-07	4.07E-07	5.26E-09	5.31E-07	1.35E-08	7.13E-08	1.25E-09	8.60E-08	1.23E-08	3.73E-08	3.78E-10	4.99E-08
5353	470062.49	3819933.11	1.43E-07	5.55E-07	7.36E-09	7.06E-07	1.19E-07	4.08E-07	5.28E-09	5.33E-07	1.35E-08	7.15E-08	1.25E-09	8.63E-08	1.23E-08	3.74E-08	3.80E-10	5.01E-08
5354	469608.31	3819447.33	2.34E-08	9.07E-08	1.20E-09	1.15E-07	1.95E-08	6.66E-08	8.62E-10	8.70E-08	2.21E-09	1.17E-08	2.05E-10	1.41E-08	2.01E-09	6.11E-09	6.20E-11	8.18E-09
5355	470097.74	3819948.35	1.40E-07	5.43E-07	7.19E-09	6.90E-07	1.17E-07	3.99E-07	5.16E-09	5.21E-07	1.32E-08	6.99E-08	1.23E-09	8.43E-08	1.20E-08	3.66E-08	3.71E-10	4.90E-08
5356	470107.44	3819948.49	1.40E-07	5.44E-07	7.20E-09	6.91E-07	1.17E-07	4.00E-07	5.17E-09	5.21E-07	1.32E-08	7.00E-08	1.23E-09	8.45E-08	1.20E-08	3.66E-08	3.72E-10	4.91E-08
5357	470117.13	3819948.62	1.40E-07	5.44E-07	7.20E-09	6.91E-07	1.17E-07	4.00E-07	5.17E-09	5.22E-07	1.32E-08	7.00E-08	1.23E-09	8.45E-08	1.20E-08	3.67E-08	3.72E-10	4.91E-08
5358	470126.83	3819948.76	1.40E-07	5.43E-07	7.19E-09	6.90E-07	1.17E-07	3.99E-07	5.16E-09	5.21E-07	1.32E-08	6.99E-08	1.23E-09	8.43E-08	1.20E-08	3.66E-08	3.71E-10	4.90E-08
5359	470136.53	3819948.89	1.40E-07	5.41E-07	7.17E-09	6.88E-07	1.16E-07	3.98E-07	5.15E-09	5.19E-07	1.32E-08	6.97E-08	1.22E-09	8.41E-08	1.20E-08	3.65E-08	3.70E-10	4.88E-08
5360	470146.23	3819949.03	1.39E-07	5.39E-07	7.14E-09	6.85E-07	1.16E-07	3.96E-07	5.12E-09	5.17E-07	1.31E-08	6.94E-08	1.22E-09	8.37E-08	1.19E-08	3.63E-08	3.68E-10	4.86E-08
5361	470155.92	3819949.16	1.38E-07	5.36E-07	7.10E-09	6.81E-07	1.15E-07	3.94E-07	5.09E-09	5.14E-07	1.30E-08	6.90E-08	1.21E-09	8.32E-08	1.19E-08	3.61E-08	3.66E-10	4.83E-08
5362	470165.62	3819949.3	1.37E-07	5.32E-07	7.04E-09	6.76E-07	1.14E-07	3.91E-07	5.06E-09	5.10E-07	1.29E-08	6.85E-08	1.20E-09	8.26E-08	1.18E-08	3.58E-08	3.63E-10	4.80E-08
5363	470175.32	3819949.43	1.36E-07	5.27E-07	6.98E-09	6.70E-07	1.13E-07	3.87E-07	5.01E-09	5.06E-07	1.28E-08	6.79E-08	1.19E-09	8.19E-08	1.17E-08	3.55E-08	3.60E-10	4.76E-08
5364	470185.01	3819949.57	1.35E-07	5.22E-07	6.92E-09	6.64E-07	1.12E-07	3.84E-07	4.96E-09	5.01E-07	1.27E-08	6.72E-08	1.18E-09	8.11E-08	1.16E-08	3.52E-08	3.57E-10	4.71E-08
5365	470194.71	3819949.7	1.33E-07	5.16E-07	6.84E-09	6.56E-07	1.11E-07	3.79E-07	4.91E-09	4.95E-07	1.26E-08	6.65E-08	1.17E-09	8.02E-08	1.14E-08	3.48E-08	3.53E-10	4.66E-08
5366	470204.41	3819949.84	1.32E-07	5.10E-07	6.76E-09	6.48E-07	1.10E-07	3.75E-07	4.85E-09	4.89E-07	1.24E-08	6.57E-08	1.15E-09	7.92E-08	1.13E-08	3.44E-08	3.49E-10	4.60E-08
5367	470214.11	3819949.97	1.30E-07	5.04E-07	6.67E-09	6.40E-07	1.08E-07	3.70E-07	4.79E-09	4.83E-07	1.23E-08	6.48E-08	1.14E-09	7.82E-08	1.11E-08	3.39E-08	3.44E-10	4.54E-08
5368	470223.8	3819950.11	1.28E-07	4.97E-07	6.58E-09	6.31E-07	1.07E-07	3.65E-07	4.72E-09	4.76E-07	1.21E-08	6.39E-08	1.12E-09	7.72E-08	1.10E-08	3.35E-08	3.40E-10	4.48E-08
5369	470233.5	3819950.24	1.26E-07	4.89E-07	6.48E-09	6.22E-07	1.05E-07	3.60E-07	4.65E-09	4.69E-07	1.19E-08	6.30E-08	1.11E-09	7.60E-08	1.08E-08	3.30E-08	3.35E-10	4.42E-08
5370	470243.2	3819950.38	1.24E-07	4.82E-07	6.38E-09	6.12E-07	1.03E-07	3.54E-07	4.58E-09	4.62E-07	1.17E-08	6.20E-08	1.09E-09	7.48E-08	1.07E-08	3.25E-08	3.29E-10	4.35E-08
5371	470252.9	3819950.51	1.22E-07	4.74E-07	6.28E-09	6.02E-07	1.02E-07	3.48E-07	4.51E-09	4.55E-07	1.15E-08	6.10E-08	1.07E-09	7.36E-08	1.05E-08	3.19E-08	3.24E-10	4.28E-08
5372	470262.59	3819950.65	1.20E-07	4.66E-07	6.17E-09	5.92E-07	1.00E-07	3.42E-07	4.43E-09	4.47E-07	1.13E-08	6.00E-08	1.05E-09	7.24E-08	1.03E-08	3.14E-08	3.19E-10	4.

5373	470088.33	3819984.52	1.26E-07	4.87E-07	6.46E-09	6.20E-07	1.05E-07	3.58E-07	4.63E-09	4.67E-07	1.19E-08	6.27E-08	1.10E-09	7.57E-08	1.08E-08	3.29E-08	3.33E-10	4.40E-08
5374	470079.47	3819980.69	1.27E-07	4.91E-07	6.50E-09	6.24E-07	1.05E-07	3.61E-07	4.67E-09	4.71E-07	1.20E-08	6.32E-08	1.11E-09	7.62E-08	1.09E-08	3.31E-08	3.36E-10	4.43E-08
5375	470070.62	3819976.86	1.27E-07	4.94E-07	6.54E-09	6.28E-07	1.06E-07	3.63E-07	4.70E-09	4.74E-07	1.20E-08	6.36E-08	1.12E-09	7.67E-08	1.09E-08	3.33E-08	3.37E-10	4.45E-08
5376	470061.76	3819973.03	1.28E-07	4.96E-07	6.57E-09	6.31E-07	1.07E-07	3.65E-07	4.72E-09	4.76E-07	1.21E-08	6.39E-08	1.12E-09	7.71E-08	1.10E-08	3.34E-08	3.39E-10	4.48E-08
5377	469607.12	3819545.34	3.26E-08	1.27E-07	1.68E-09	1.61E-07	2.72E-08	9.30E-08	1.20E-09	1.21E-07	3.08E-09	1.63E-08	2.86E-10	1.97E-08	2.80E-09	8.53E-09	8.65E-11	1.14E-08
5378	469603.6	3819536.36	3.11E-08	1.21E-07	1.60E-09	1.53E-07	2.59E-08	8.87E-08	1.15E-09	1.16E-07	2.94E-09	1.55E-08	2.73E-10	1.88E-08	2.67E-09	8.14E-09	8.25E-11	1.09E-08
5379	469600.07	3819527.38	2.97E-08	1.15E-07	1.53E-09	1.46E-07	2.47E-08	8.46E-08	1.10E-09	1.10E-07	2.80E-09	1.48E-08	2.60E-10	1.79E-08	2.55E-09	7.76E-09	7.87E-11	1.04E-08
5380	469596.54	3819518.4	2.83E-08	1.10E-07	1.46E-09	1.40E-07	2.36E-08	8.08E-08	1.05E-09	1.05E-07	2.68E-09	1.41E-08	2.48E-10	1.71E-08	2.43E-09	7.41E-09	7.51E-11	9.92E-09
5381	469593.02	3819509.42	2.70E-08	1.05E-07	1.39E-09	1.33E-07	2.25E-08	7.71E-08	9.98E-10	1.01E-07	2.55E-09	1.35E-08	2.37E-10	1.63E-08	2.32E-09	7.07E-09	7.17E-11	9.47E-09
5382	469589.49	3819500.45	2.58E-08	1.00E-07	1.33E-09	1.27E-07	2.15E-08	7.36E-08	9.52E-10	9.60E-08	2.44E-09	1.29E-08	2.26E-10	1.56E-08	2.22E-09	6.75E-09	6.84E-11	9.03E-09
5383	469585.97	3819491.47	2.46E-08	9.56E-08	1.27E-09	1.21E-07	2.05E-08	7.02E-08	9.09E-10	9.16E-08	2.33E-09	1.23E-08	2.16E-10	1.48E-08	2.12E-09	6.44E-09	6.53E-11	8.62E-09
5384	469582.44	3819482.49	2.35E-08	9.12E-08	1.21E-09	1.16E-07	1.96E-08	6.70E-08	8.67E-10	8.75E-08	2.22E-09	1.17E-08	2.06E-10	1.42E-08	2.02E-09	6.15E-09	6.23E-11	8.23E-09
5385	469578.91	3819473.51	2.24E-08	8.71E-08	1.15E-09	1.11E-07	1.87E-08	6.40E-08	8.28E-10	8.35E-08	2.12E-09	1.12E-08	1.97E-10	1.35E-08	1.93E-09	5.87E-09	5.95E-11	7.86E-09
5386	469575.39	3819464.53	2.14E-08	8.32E-08	1.10E-09	1.06E-07	1.79E-08	6.11E-08	7.91E-10	7.98E-08	2.02E-09	1.07E-08	1.88E-10	1.29E-08	1.84E-09	5.61E-09	5.68E-11	7.50E-09
5387	469571.86	3819455.55	2.05E-08	7.95E-08	1.05E-09	1.01E-07	1.71E-08	5.84E-08	7.56E-10	7.62E-08	1.93E-09	1.02E-08	1.80E-10	1.23E-08	1.76E-09	5.36E-09	5.43E-11	7.17E-09
5388	469568.33	3819446.57	1.96E-08	7.60E-08	1.01E-09	9.66E-08	1.63E-08	5.58E-08	7.22E-10	7.29E-08	1.85E-09	9.78E-09	1.72E-10	1.18E-08	1.68E-09	5.12E-09	5.19E-11	6.85E-09
5389	470097.18	3819988.35	1.25E-07	4.83E-07	6.40E-09	6.14E-07	1.04E-07	3.55E-07	4.60E-09	4.64E-07	1.18E-08	6.22E-08	1.09E-09	7.51E-08	1.07E-08	3.26E-08	3.30E-10	4.36E-08
5390	470106.88	3819988.48	1.25E-07	4.83E-07	6.40E-09	6.15E-07	1.04E-07	3.55E-07	4.60E-09	4.64E-07	1.18E-08	6.22E-08	1.09E-09	7.51E-08	1.07E-08	3.26E-08	3.30E-10	4.36E-08
5391	470116.58	3819988.62	1.25E-07	4.83E-07	6.40E-09	6.14E-07	1.04E-07	3.55E-07	4.59E-09	4.63E-07	1.18E-08	6.22E-08	1.09E-09	7.50E-08	1.07E-08	3.26E-08	3.30E-10	4.36E-08
5392	470126.27	3819988.75	1.24E-07	4.82E-07	6.39E-09	6.13E-07	1.04E-07	3.54E-07	4.58E-09	4.62E-07	1.17E-08	6.21E-08	1.09E-09	7.49E-08	1.07E-08	3.25E-08	3.30E-10	4.35E-08
5393	470135.97	3819988.89	1.24E-07	4.80E-07	6.36E-09	6.11E-07	1.03E-07	3.53E-07	4.57E-09	4.61E-07	1.17E-08	6.18E-08	1.09E-09	7.46E-08	1.06E-08	3.24E-08	3.28E-10	4.33E-08
5394	470145.67	3819989.02	1.23E-07	4.78E-07	6.33E-09	6.08E-07	1.03E-07	3.51E-07	4.55E-09	4.59E-07	1.16E-08	6.15E-08	1.08E-09	7.43E-08	1.06E-08	3.22E-08	3.27E-10	4.31E-08
5395	470155.37	3819989.16	1.22E-07	4.75E-07	6.29E-09	6.04E-07	1.02E-07	3.49E-07	4.52E-09	4.56E-07	1.16E-08	6.12E-08	1.07E-09	7.38E-08	1.05E-08	3.20E-08	3.25E-10	4.29E-08
5396	470165.06	3819989.29	1.22E-07	4.71E-07	6.25E-09	5.99E-07	1.01E-07	3.46E-07	4.48E-09	4.52E-07	1.15E-08	6.07E-08	1.07E-09	7.32E-08	1.04E-08	3.18E-08	3.22E-10	4.25E-08
5397	470174.76	3819989.43	1.21E-07	4.67E-07	6.19E-09	5.94E-07	1.00E-07	3.43E-07	4.44E-09	4.48E-07	1.14E-08	6.02E-08	1.06E-09	7.26E-08	1.03E-08	3.15E-08	3.19E-10	4.22E-08
5398	470184.46	3819989.56	1.19E-07	4.63E-07	6.13E-09	5.88E-07	9.94E-08	3.40E-07	4.40E-09	4.44E-07	1.13E-08	5.96E-08	1.05E-09	7.19E-08	1.02E-08	3.12E-08	3.16E-10	4.18E-08
5399	470194.16	3819989.7	1.18E-07	4.58E-07	6.07E-09	5.82E-07	9.84E-08	3.37E-07	4.35E-09	4.39E-07	1.12E-08	5.90E-08	1.03E-09	7.11E-08	1.01E-08	3.09E-08	3.13E-10	4.13E-08
5400	470203.85	3819989.83	1.17E-07	4.53E-07	6.00E-09	5.75E-07	9.72E-08	3.33E-07	4.30E-09	4.34E-07	1.10E-08	5.83E-08	1.02E-09	7.03E-08	1.00E-08	3.05E-08	3.09E-10	4.08E-08
5401	470213.55	3819989.97	1.15E-07	4.47E-07	5.92E-09	5.68E-07	9.60E-08	3.29E-07	4.25E-09	4.29E-07	1.09E-08	5.75E-08	1.01E-09	6.94E-08	9.90E-09	3.01E-08	3.06E-10	4.03E-08
5402	470223.25	3819990.1	1.14E-07	4.41E-07	5.85E-09	5.61E-07	9.48E-08	3.24E-07	4.20E-09	4.23E-07	1.07E-08	5.68E-08	9.97E-10	6.85E-08	9.77E-09	2.97E-08	3.02E-10	3.98E-08
5403	470232.94	3819990.24	1.12E-07	4.35E-07	5.76E-09	5.53E-07	9.34E-08	3.20E-07	4.14E-09	4.17E-07	1.06E-08	5.60E-08	9.83E-10	6.76E-08	9.63E-09	2.93E-08	2.97E-10	3.93E-08
5404	470242.64	3819990.37	1.11E-07	4.29E-07	5.68E-09	5.45E-07	9.21E-08	3.15E-07	4.08E-09	4.11E-07	1.04E-08	5.52E-08	9.69E-10	6.66E-08	9.49E-09	2.89E-08	2.93E-10	3.87E-08
5405	470252.34	3819990.51	1.09E-07	4.22E-07	5.59E-09	5.37E-07	9.07E-08	3.10E-07	4.02E-09	4.05E-07	1.03E-08	5.44E-08	9.54E-10	6.56E-08	9.35E-09	2.85E-08	2.89E-10	3.81E-08
5406	470262.04	3819990.64	1.07E-07	4.16E-07	5.51E-09	5.28E-07	8.93E-08	3.05E-07	3.95E-09	3.99E-07	1.01E-08	5.35E-08	9.39E-10	6.46E-08	9.20E-09	2.80E-08	2.84E-10	3.75E-08
5407	470069.96	3820016.81	1.14E-07	4.44E-07	5.88E-09	5.64E-07	9.54E-08	3.26E-07	4.22E-09	4.26E-07	1.08E-08	5.72E-08	1.00E-09	6.90E-08	9.83E-09	2.99E-08	3.04E-10	4.01E-08
5408	470061.07	3820012.97	1.15E-07	4.46E-07	5.91E-09	5.67E-07	9.58E-08	3.28E-07	4.24E-09	4.28E-07	1.09E-08	5.74E-08	1.01E-09	6.93E-08	9.88E-09	3.01E-08	3.05E-10	4.03E-08
5409	469595.63	3819617.1	3.79E-08	1.47E-07	1.95E-09	1.87E-07	3.16E-08	1.08E-07	1.40E-09	1.41E-07	3.58E-09	1.89E-08	3.32E-10	2.28E-08	3.25E-09	9.91E-09	1.00E-10	1.33E-08
5410	469592.09	3819608.08	3.64E-08	1.41E-07	1.87E-09	1.79E-07	3.03E-08	1.04E-07	1.34E-09	1.35E-07	3.44E-09	1.82E-08	3.19E-10	2.19E-08	3.13E-09	9.52E-09	9.65E-11	1.27E-08
5411	469588.54	3819599.07	3.49E-08	1.36E-07	1.80E-09	1.72E-07	2.91E-08	9.96E-08	1.29E-09	1.30E-07	3.30E-09	1.74E-08	3.06E-10	2.10E-08	3.00E-09	9.13E-09	9.26E-11	1.22E-08
5412	469585	3819590.05	3.35E-08	1.30E-07	1.72E-09	1.65E-07	2.79E-08	9.55E-08	1.24E-09	1.25E-07	3.16E-09	1.67E-08	2.94E-10	2.02E-08	2.88E-09	8.76E-09	8.88E-11	1.17E-08
5413	469581.46	3819581.04	3.21E-08	1.25E-07	1.65E-09	1.58E-07	2.68E-08	9.16E-08	1.19E-09	1.20E-07	3.04E-09	1.60E-08	2.82E-10	1.94E-08	2.76E-09	8.40E-09	8.52E-11	1.12E-08
5414	469577.92	3819572.02	3.08E-08	1.20E-07	1.58E-09	1.52E-07	2.57E-08	8.78E-08	1.14E-09	1.15E-07	2.91E-09	1.54E-08	2.70E-10	1.86E-08	2.65E-09	8.06E-09	8.17E-11	1.08E-08
5415	469574.38	3819563.01	2.95E-08	1.14E-07	1.52E-09	1.46E-07	2.46E-08	8.41E-08	1.09E-09	1.10E-07	2.79E-09	1.47E-08	2.59E-10	1.78E-08	2.53E-09	7.72E-09	7.83E-11	1.03E-08
5416	469570.84	3819553.99	2.82E-08	1.10E-07	1.45E-09	1.39E-07	2.35E-08	8.05E-08	1.04E-09	1.05E-07	2.67E-09	1.41E-08	2.48E-10	1.70E-08	2.43E-09	7.38E-09	7.49E-11	9.88E-09
5417	469567.3	3819544.98	2.70E-08	1.05E-07	1.39E-09	1.33E-07	2.25E-08	7.70E-08	9.97E-10	1.01E-07	2.55E-09	1.35E-08	2.37E-10	1.63E-08	2.32E-09	7.06E-09	7.16E-11	9.46E-09
5418	469563.76	3819535.96	2.58E-08	1.00E-07	1.33E-09	1.27E-07	2.15E-08	7.37E-08	9.53E-10	9.61E-08	2.44E-09	1.29E-08	2.27E-10	1.56E-08	2.22E-09	6.76E-09	6.85E-11	9.04E-09
5419	469560.22	3819526.94	2.47E-08	9.59E-08	1.27E-09	1.22E-07	2.06E-08	7.04E-08	9.12E-10	9.19E-08	2.33E-09	1.23E-08	2.17E-10	1.49E-08	2.12E-09	6.46E-09	6.55E-11	8.65E-09
5420	469556.68	3819517.93	2.36E-08	9.16E-08	1.21E-09	1.16E-07	1.97E-08	6.73E-08	8.72E-10	8.79E-08	2.23E-09	1.18E-08	2.07E-10	1.42E-08	2.03E-09	6.18E-09	6.26E-11	8.27E-09
5421	469553.14	3819508.91	2.26E-08	8.76E-08	1.16E-09	1.11E-07	1.88E-08	6.44E-08	8.33E-10	8.40E-08	2.13E-09	1.13E-08	1.98E-10	1.36E-08	1.94E-09	5.91E-09	5.99E-11	7.90E-09
5422	469549.6	3819499.9	2.16E-08	8.38E-08	1.11E-09	1.06E-07	1.80E-08	6.16E-08	7.97E-10	8.04E-08	2.04E-09	1.08E-08	1.89E-10	1.30E-08	1.85E-09	5.65E-09	5.73E-11	7.56E-09
5423	469546.06	3819490.88	2.07E-08	8.01E-08	1.06E-09	1.02E-07	1.72E-08	5.89E-08	7.62E-10	7.68E-08	1.95E-09	1.03E-08	1.81E-10	1.24E-08	1.77E-09	5.40E-09	5.48E-11	7.23E-09
5424	469542.52	3819481.87	1.98E-08	7.66E-08	1.02E-09	9.74E-08	1.65E-08	5.63E-08	7.29E-10	7.35E-08	1.87E-09	9.87E-09	1.73E-10	1.19E-08	1.70E-09	5.17E-09	5.24E-11	6.92E-09
5425	469538.98	3819472.85	1.89E-08	7.33E-08	9.72E-10	9.32E-08	1.58E-08	5.39E-08	6.97E-10	7.03E-08	1.79E-09	9.44E-09	1.66E-10	1.14E-08	1.62E-09	4.94E-09	5.01E-11	6.62E-09
5426	469535.44	3819463.84	1.81E-08	7.02E-08	9.30E-10	8.92E-08	1.51E-08	5.16E-08	6.68E-10	6.73E-08	1.71E-09	9.04E-09	1.59E-10	1.09E-08	1.55E-09	4.73E-09	4.80E-11	6.33E-09
5427	469531.9	3819454.82	1.73E-08	6.73E-08	8.91E-10	8.55E-08	1.44E-08	4.94E-08	6.40E-10	6.45E-08	1.64E-09	8.66E-09	1.52E-10	1.04E-08	1.49E-09	4.53E-09	4.60E-11	6.07E-09
5428	469528.36	3819445.8	1.66E-08	6.45E-08	8.54E-10	8.20E-08	1.38E-08	4.74E-08	6.13E-10	6.18E-08	1.57E-09	8.30E-09	1.46E-10	1.00E-08	1.43E-09	4.35E-09	4.41E-11	5.82E-09
5429	470087.33	3820064.56	1.02E-07	3.95E-07	5.24E-09	5.02E-07	8.49E-08	2.90E-07	3.76E-09	3.79E-07	9.63E-09	5.09E-08	8.93E-10	6.14E-08	8.75E-09	2.66E-08	2.70E-10	3.57E-08
5430	470078.58	3820060.78	1.03E-07	3.98E-07	5.28E-09	5.06E-07	8.56E-08	2.93E-07	3.79E-09	3.82E-07	9.70E-09	5.13E-08	9.00E-10	6.19E-08	8.82E-09	2.69E-08	2.72E-10	3.59E-08
5431	470069.84	3820057	1.03E-07	4.01E-07	5.31E-09	5.10E-07	8.62E-08	2.95E-07	3.81E-09	3.85E-07	9.77E-09	5.16E-08	9.06E-10	6.23E-08	8.88E-09	2.70E-08	2.74E-10	3.62E-08
5432	470061.1	3820053.22	1.04E-07	4.03E-07	5.34E-09	5.13E-07	8.66E-08	2.96E-07	3.84E-09	3.87E-07	9.82E-09	5.19E-08	9.11E-10	6.27E-08	8.93E-09	2.72E-08	2.76E-10	3.64E-08
5433	470052.35	3820049.44	1.04E-07	4.05E-07	5.37E-09	5.15E-07	8.70E-08	2.98E-07	3.85E-09	3.89E-07	9.86E-09	5.22E-08	9.15E-10	6.29E-08	8.97E-09	2.73E-08	2.77E-10	3.66E-08
5434	469667.66	3819883.08	6.07E-08	2.35E-07	3.12E-09	2.99E-07	5.05E-08	1.73E-07	2.24E-09	2.26E-07	5.73E-09	3.03E-08	5.32E-10	3.65E-08	5.21E-09	1.59E-08	1.61E-10	2.12E-08
5435	469655.44	3819870.44	5.90E-08	2.29E-07	3.03E-09	2.91E-07	4.91E-08	1.68E-07	2.18E-09	2.19E-07	5.57E-09	2.95E-08	5.17E-10	3.55E-08	5.06E-09	1.54E-08	1.56E-10	2.06E-08
5436	469651.95	3819861.57	5.86E-08	2.27E-07	3.01E-09	2.89E-07	4.88E-08	1.67E-07	2.16E-09	2.18E-07	5.54E-09	2.93E-08	5.14E-10	3.53E-08	5.03E-09	1.53E-08	1.55E-10	2.05E-08
5437	469648.47	3819852.7	5.82E-08	2.26E-07	2.99E-09	2.87E-07	4.85E-08	1.66E-07	2.15E-09	2.17E-07	5.50E-09	2.91E-08	5.10E-10	3.51E-08	5.00E-09	1.52E-08	1.54E-10	2.04E-08
5438	469644.99	3819843.84	5.78E-08	2.24E-07	2.97E-09	2.85E-07	4.81E-08	1.65E-07	2.13E-09	2.15E-07	5.46E-09	2.88E-08	5.06E-10	3.48E-08	4.96E-09	1.51E-08	1.53E-10	2.02E-08
5439	469557.94	3819622.18	3.23E-08	1.25E-07	1.66E-09	1.59E-07	2.69E-08	9.22E-08	1.19E-09	1.20E-07	3.05E-09	1.61E-08	2.83E-10	1.95E-08	2.78E-09	8.45E-09	8.57E-11	1.13E-08
5440	469554.46	3819613.31	3.11E-08	1.21E-07	1.60E-09	1.53E-07	2.59E-08	8.87E-08	1.15E-09	1.16E-07	2.94E-09	1.55E-08	2.73E-10	1.88E-08	2.67E-09	8.14E-09	8.25E-11	1.09E-08
5441	469550.98	3819604.45	2.99E-08	1.16E-07	1.54E-09	1.48E-07	2.49E-08	8.53E-08	1.10E-09	1.11E-07	2.83E-09	1.50E-08	2.62E-10	1.80E-08	2.57E-09	7.83E-09	7.94E-11	1.05E-08
5442	469547.5	3819595.58	2.88E-08	1.12E-07	1.48E-09	1.42E-07	2.40E-08	8.20E-08	1.06E-09	1.07E-07	2.72E-09	1.44E-08	2.52E-10	1.73E-08	2.47E-09	7.53E-09	7.63E-11	1.01E-08
5443	469544.02	3819586.72	2.77E-08	1.07E-07	1.42E-09	1.36E-07	2.30E-08	7.88E-08	1.02E-09	1.03E-07	2.61E-09	1.38E-08	2.42E-10	1.67E-08	2.37E-09	7.23E-09	7.33E-11	9.68E-09
5444	469540.53	3819577.85	2.66E-08	1.03E-07	1.36E-09	1.31E-07	2.21E-08	7.57E-08	9.79E-10	9.88E-08	2.51E-09	1.33E-08	2.33E-10	1.60E-08	2.28E-09	6.94E-09	7.04E-11	9.29E-09
5445	469537.05	3819568.98	2.55E-08	9.88E-08	1.31E-09	1.26E-07	2.12E-08	7.26E-08	9.40E-10	9.48E-08	2.41E-09	1.27E-08	2.23E-10	1.53E-08	2.19E-09	6.66E-09	6.75E-11	8.91E-09
5446	469533.57	3819560.12	2.44E-08	9.47E-08	1.25E-09	1.20E-07	2.03E-08	6.96E-08	9.00E-10	9.08E-08	2.31E-09	1.22E-08	2.14E-10	1.47E-08	2.10E-09	6.38E-09	6.47E-11	8.54E-09
5447	469530.09	3819551.25	2.34E-08	9.07E-08	1.20E-09	1.15E-07	1.95E-08	6.67E-08	8.63E-10	8.70E-08	2.21E-09	1.17E-08	2.05E-10	1.41E-08	2.01E-09	6.12E-09	6.20E-11	8.19E-09
5448	469526.61	3819542.38	2.24E-08	8.69E-08	1.15E-09	1.10E-07	1.87E-08	6.39E-08	8.27E-10	8.34E-08	2.12E-09	1.12E-08	1.96E-10	1.35E-08	1.92E-09	5.86E-09	5.94E-11	7.84E-09
5449	469523.12	3819533.52	2.15E-08	8.33E-08	1.10E-09	1.06E-07	1.79E-08	6.12E-08	7.92E-10	7.99E-08	2.03E-09	1.07E-08	1.88E-10	1.29E-08	1.84E-09	5.61E-09	5.69E-11	7.51E-09
5450	469519.64	3819524.65	2.06E-08	7.97E-08	1.06E-09	1.01E-07	1.71E-08	5.86E-08	7.58E-10	7.65E-08	1.94E-09	1.03E-08	1.80E-10	1.24E-08	1.77E-09	5.38E-09	5.45E-11	7.19E-09
5451	469516.16	3819515.79	1.97E-08	7.64E-08	1.01E-09	9.71E-08	1.64E-08	5.61E-08	7.27E-10	7.33E-08	1.86E-09	9.84E-09	1.73E-10	1.19E-08	1.69E-09	5.15E-09	5.22E-11	6.89E-09
5452	469512.68	3819506.92	1.89E-08	7.32E-08	9.70E-10	9.30E-08	1.57E-08	5.38E-08	6.96E-10	7.02E-08	1.78E-09	9.42E-09	1.65E-10	1.14E-08	1.62E-09	4.93E-09	5.00E-11	6.60E-09
5453	469509.2	3819498.05	1.81E-08	7.01E-08	9.29E-10	8.92E-08	1.51E-08	5.15E-08	6.67E-10	6.73E-08	1.71E-09	9.03E-09	1.58E-10	1.09E-08	1.55E-09	4.73E-09	4.79E-11	6.33E-09
5454	469505.72	3819489.19	1.74E-08	6.73E-08	8.92E-10	8.56E-08	1.45E-08	4.95E-08	6.40E-10	6.46E-08	1.64E-09	8.67E-09	1.52E-10	1.05E-08	1.49E-09	4.54E-09	4.60E-11	6.08E-09
5455	469502.23	3819480.32	1.67E-08	6.47E-08	8.57E-10	8.22E-08	1.39E-08	4.75E-08	6.15E-10	6.20E-08	1.57E-09	8.33E-09	1.46E-10	1.00E-08	1.43E-09	4.36E-09	4.42E-11	5.83E-09
5456	469498.75	3819471.45	1.60E-08	6.21E-08	8.23E-10	7.90E-08	1.33E-08	4.57E-08	5.91E-10	5.96E-08	1.51E-09	8.00E-09	1.40E-10	9.65E-09	1.38E-09	4.19E-09	4.25E-11	5.61E-09
5457	469495.27	3819462.59	1.54E-08	5.97E-08	7.91E-10	7.59E-08	1.28E-08	4.39E-08	5.68E-10	5.72E-08	1.45E-09	7.68E-09	1.35E-10	9.27E-09	1.32E-09	4.02E-09	4.08E-11	5.38E-09
5458	469491.79	3819453.72	1.48E-08	5.73E-08	7.59E-10	7.28E-08	1.23E-08	4.21E-08	5.45E-10	5.50E-08	1.40E-09	7.38E-09	1.29E-10	8.90E-09	1.27E-09	3.86E-09	3.92E-11	5.17E-09
5459	469488.31	3819444.85	1.42E-08	5.51E-08	7.30E-10	7.00E-08	1.18E-08	4.05E-08	5.24E-10	5.28E-08	1.34E-09	7.09E-09	1.24E-10	8.56E-09	1.22E-09	3.71E-09	3.77E-11	4.97E-09
5460	470096.07	3820068.34	1.01E-07	3.92E-07	5.19E-09	4.98E-07	8.41E-08	2.88E-07	3.73E-09	3.76E-07	9.54E-09	5.04E-08	8.85E-10	6.09E-08	8.67E-09	2.64E-08	2.68E-10	3.53E-08
5461	470105.77	3820068.47	1.01E-07	3.91E-07	5.18E-09	4.97E-07	8.40E-08	2.88E-07	3.72E-09	3.75E-07	9.53E-09	5.04E-08	8.84E-10	6.08E-08	8.66E-09	2.64E-08	2.67E-10	3.53E-08
5462	470115.46	3820068.61	1.01E-07	3.90E-07	5.17E-09	4.96E-07	8.38E-08	2.87E-07	3.71E-09	3.74E-07	9.51E-09	5.03E-08	8.82E-10	6.06E-08	8.64E-09	2.63E-08	2.67E-10	3.52E-08
5463	470125.16	3820068.74	1.00E-07	3.89E-07	5.15E-09	4.94E-07	8.35E-08	2.86E-07	3.70E-09	3.73E-07	9.47E-09	5.01E-08	8.79E-10	6.04E-08	8.61E-09	2.62E-08	2.66E-10	3.51E-08
5464	470134.86	3820068.88	9.98E-08	3.87E-07	5.13E-09	4.92E-07	8.32E-08	2.85E-07	3.68E-09	3.71E-07	9.43E-09	4.98E-08	8.75E-10	6.01E-08	8.57E-09	2.61E-08	2.65E-10	3.49E-08
5465	470144.56	3820069.01	9.92E-08	3.85E-07	5.10E-09	4.89E-07	8.27E-08	2.83E-07	3.66E-09	3.69E-07	9.37E-09	4.95E-08	8.70E-10	5.98E-08	8.52E-09	2.59E-08	2.63E-10	3.47E-08
5466	470154.25	3820069.15	9.85E-08	3.82E-07	5.06E-09	4.86E-07	8.21E-08	2.81E-07	3.63E-09	3.67E-07	9.31E-09	4.92E-08	8.63E-10	5.94E-08	8.46E-09	2.58E-08	2.61E-10	3.45E-08
5467	470163.95	3820069.28	9.77E-08	3.79E-07	5.02E-09	4.82E-07	8.14E-08	2.79E-07	3.60E-09	3.64E-07	9.23E-09	4.88E-08	8.56E-10	5.89E-08	8.39E-09	2.55E-08	2.59E-10	3.42E-08
5468	470173.65	3820069.42	9.69E-08	3.76E-07	4.98E-09	4.78E-07	8.07E-08	2.76E-07	3.57E-09	3.60E-07	9.15E-09	4.84E-08	8.49E-10	5.84E-08	8.32E-09	2.53E-08	2.57E-10	3

5469	470183.34	3820069.55	9.59E-08	3.72E-07	4.93E-09	4.73E-07	7.99E-08	2.73E-07	3.54E-09	3.57E-07	9.06E-09	4.79E-08	8.41E-10	5.78E-08	8.24E-09	2.51E-08	2.54E-10	3.36E-08
5470	470193.04	3820069.69	9.50E-08	3.68E-07	4.88E-09	4.68E-07	7.91E-08	2.71E-07	3.50E-09	3.53E-07	8.97E-09	4.74E-08	8.32E-10	5.72E-08	8.15E-09	2.48E-08	2.52E-10	3.32E-08
5471	470202.74	3820069.82	9.39E-08	3.64E-07	4.82E-09	4.63E-07	7.82E-08	2.68E-07	3.46E-09	3.49E-07	8.87E-09	4.69E-08	8.23E-10	5.66E-08	8.06E-09	2.45E-08	2.49E-10	3.29E-08
5472	470212.44	3820069.96	9.28E-08	3.60E-07	4.77E-09	4.57E-07	7.73E-08	2.64E-07	3.42E-09	3.45E-07	8.76E-09	4.63E-08	8.13E-10	5.59E-08	7.97E-09	2.43E-08	2.46E-10	3.25E-08
5473	470222.13	3820070.09	9.16E-08	3.55E-07	4.71E-09	4.52E-07	7.63E-08	2.61E-07	3.38E-09	3.41E-07	8.65E-09	4.57E-08	8.03E-10	5.52E-08	7.87E-09	2.40E-08	2.43E-10	3.21E-08
5474	470231.83	3820070.23	9.04E-08	3.51E-07	4.65E-09	4.46E-07	7.53E-08	2.58E-07	3.34E-09	3.36E-07	8.54E-09	4.52E-08	7.93E-10	5.45E-08	7.76E-09	2.36E-08	2.40E-10	3.16E-08
5475	470241.53	3820070.36	8.93E-08	3.46E-07	4.59E-09	4.40E-07	7.44E-08	2.54E-07	3.29E-09	3.32E-07	8.43E-09	4.46E-08	7.82E-10	5.38E-08	7.66E-09	2.33E-08	2.37E-10	3.12E-08
5476	470251.23	3820070.5	8.81E-08	3.42E-07	4.52E-09	4.34E-07	7.34E-08	2.51E-07	3.25E-09	3.28E-07	8.32E-09	4.40E-08	7.72E-10	5.31E-08	7.56E-09	2.30E-08	2.33E-10	3.08E-08
5477	470260.92	3820070.63	8.69E-08	3.37E-07	4.46E-09	4.28E-07	7.24E-08	2.48E-07	3.20E-09	3.23E-07	8.20E-09	4.34E-08	7.61E-10	5.23E-08	7.46E-09	2.27E-08	2.30E-10	3.04E-08
5478	470086.73	3820104.54	9.25E-08	3.59E-07	4.75E-09	4.56E-07	7.71E-08	2.64E-07	3.41E-09	3.44E-07	8.74E-09	4.62E-08	8.11E-10	5.58E-08	7.94E-09	2.42E-08	2.45E-10	3.24E-08
5479	470077.95	3820100.74	9.33E-08	3.62E-07	4.79E-09	4.60E-07	7.77E-08	2.66E-07	3.44E-09	3.47E-07	8.81E-09	4.66E-08	8.18E-10	5.62E-08	8.01E-09	2.44E-08	2.47E-10	3.27E-08
5480	470069.17	3820096.95	9.40E-08	3.65E-07	4.83E-09	4.63E-07	7.83E-08	2.68E-07	3.47E-09	3.50E-07	8.88E-09	4.69E-08	8.24E-10	5.66E-08	8.07E-09	2.46E-08	2.49E-10	3.29E-08
5481	470060.39	3820093.15	9.46E-08	3.67E-07	4.86E-09	4.66E-07	7.88E-08	2.70E-07	3.49E-09	3.52E-07	8.93E-09	4.72E-08	8.29E-10	5.70E-08	8.12E-09	2.47E-08	2.51E-10	3.31E-08
5482	470051.61	3820089.35	9.51E-08	3.69E-07	4.88E-09	4.69E-07	7.92E-08	2.71E-07	3.51E-09	3.54E-07	8.98E-09	4.75E-08	8.33E-10	5.73E-08	8.16E-09	2.48E-08	2.52E-10	3.33E-08
5483	470042.83	3820085.56	9.54E-08	3.70E-07	4.90E-09	4.70E-07	7.95E-08	2.72E-07	3.52E-09	3.55E-07	9.01E-09	4.76E-08	8.36E-10	5.75E-08	8.19E-09	2.49E-08	2.53E-10	3.34E-08
5484	470034.05	3820081.76	9.57E-08	3.71E-07	4.92E-09	4.72E-07	7.97E-08	2.73E-07	3.53E-09	3.56E-07	9.03E-09	4.78E-08	8.38E-10	5.76E-08	8.21E-09	2.50E-08	2.54E-10	3.35E-08
5485	470025.27	3820077.96	9.58E-08	3.72E-07	4.92E-09	4.72E-07	7.98E-08	2.73E-07	3.53E-09	3.56E-07	9.05E-09	4.78E-08	8.40E-10	5.77E-08	8.23E-09	2.51E-08	2.54E-10	3.35E-08
5486	470016.49	3820074.16	9.59E-08	3.72E-07	4.93E-09	4.73E-07	7.99E-08	2.73E-07	3.54E-09	3.57E-07	9.05E-09	4.79E-08	8.40E-10	5.78E-08	8.23E-09	2.51E-08	2.54E-10	3.35E-08
5487	470007.71	3820070.37	9.58E-08	3.72E-07	4.92E-09	4.72E-07	7.98E-08	2.73E-07	3.53E-09	3.56E-07	9.05E-09	4.78E-08	8.39E-10	5.77E-08	8.22E-09	2.50E-08	2.54E-10	3.35E-08
5488	469998.93	3820066.57	9.56E-08	3.71E-07	4.91E-09	4.71E-07	7.96E-08	2.72E-07	3.53E-09	3.56E-07	9.03E-09	4.77E-08	8.38E-10	5.76E-08	8.21E-09	2.50E-08	2.53E-10	3.35E-08
5489	469990.15	3820062.77	9.53E-08	3.70E-07	4.90E-09	4.70E-07	7.94E-08	2.72E-07	3.52E-09	3.55E-07	9.00E-09	4.76E-08	8.35E-10	5.74E-08	8.18E-09	2.49E-08	2.53E-10	3.34E-08
5490	469981.37	3820058.98	9.50E-08	3.68E-07	4.88E-09	4.68E-07	7.91E-08	2.71E-07	3.50E-09	3.53E-07	8.97E-09	4.74E-08	8.32E-10	5.72E-08	8.15E-09	2.48E-08	2.52E-10	3.32E-08
5491	469972.59	3820055.18	9.45E-08	3.66E-07	4.86E-09	4.66E-07	7.87E-08	2.69E-07	3.48E-09	3.51E-07	8.92E-09	4.72E-08	8.28E-10	5.69E-08	8.11E-09	2.47E-08	2.50E-10	3.31E-08
5492	469963.81	3820051.38	9.39E-08	3.64E-07	4.83E-09	4.63E-07	7.82E-08	2.68E-07	3.46E-09	3.49E-07	8.87E-09	4.69E-08	8.23E-10	5.66E-08	8.06E-09	2.46E-08	2.49E-10	3.29E-08
5493	469665.28	3819922.29	5.85E-08	2.27E-07	3.01E-09	2.88E-07	4.87E-08	1.67E-07	2.16E-09	2.18E-07	5.52E-09	2.92E-08	5.13E-10	3.52E-08	5.02E-09	1.53E-08	1.55E-10	2.05E-08
5494	469656.5	3819918.49	5.73E-08	2.22E-07	2.95E-09	2.83E-07	4.78E-08	1.63E-07	2.11E-09	2.13E-07	5.41E-09	2.86E-08	5.02E-10	3.45E-08	4.92E-09	1.50E-08	1.52E-10	2.01E-08
5495	469647.72	3819914.7	5.62E-08	2.18E-07	2.89E-09	2.77E-07	4.68E-08	1.60E-07	2.07E-09	2.09E-07	5.30E-09	2.80E-08	4.92E-10	3.38E-08	4.82E-09	1.47E-08	1.49E-10	1.97E-08
5496	469638.94	3819910.9	5.50E-08	2.13E-07	2.83E-09	2.71E-07	4.58E-08	1.57E-07	2.03E-09	2.05E-07	5.19E-09	2.75E-08	4.82E-10	3.31E-08	4.72E-09	1.44E-08	1.46E-10	1.92E-08
5497	469626.66	3819898.2	5.36E-08	2.08E-07	2.75E-09	2.64E-07	4.46E-08	1.53E-07	1.98E-09	1.99E-07	5.06E-09	2.67E-08	4.69E-10	3.23E-08	4.60E-09	1.40E-08	1.42E-10	1.87E-08
5498	469623.16	3819889.3	5.33E-08	2.07E-07	2.74E-09	2.63E-07	4.44E-08	1.52E-07	1.96E-09	1.98E-07	5.03E-09	2.66E-08	4.67E-10	3.21E-08	4.57E-09	1.39E-08	1.41E-10	1.86E-08
5499	469619.67	3819880.39	5.29E-08	2.05E-07	2.72E-09	2.61E-07	4.41E-08	1.51E-07	1.95E-09	1.97E-07	5.00E-09	2.64E-08	4.64E-10	3.19E-08	4.54E-09	1.38E-08	1.40E-10	1.85E-08
5500	469616.17	3819871.49	5.25E-08	2.04E-07	2.70E-09	2.59E-07	4.37E-08	1.50E-07	1.94E-09	1.95E-07	4.96E-09	2.62E-08	4.60E-10	3.16E-08	4.51E-09	1.37E-08	1.39E-10	1.84E-08
5501	469612.67	3819862.58	5.21E-08	2.02E-07	2.67E-09	2.57E-07	4.34E-08	1.48E-07	1.92E-09	1.94E-07	4.92E-09	2.60E-08	4.56E-10	3.14E-08	4.47E-09	1.36E-08	1.38E-10	1.82E-08
5502	469609.18	3819853.68	5.16E-08	2.00E-07	2.65E-09	2.54E-07	4.29E-08	1.47E-07	1.90E-09	1.92E-07	4.87E-09	2.57E-08	4.52E-10	3.11E-08	4.43E-09	1.35E-08	1.37E-10	1.80E-08
5503	469605.68	3819844.78	5.10E-08	1.98E-07	2.62E-09	2.52E-07	4.25E-08	1.45E-07	1.88E-09	1.90E-07	4.82E-09	2.55E-08	4.47E-10	3.07E-08	4.38E-09	1.33E-08	1.35E-10	1.79E-08
5504	469518.26	3819622.17	2.73E-08	1.06E-07	1.40E-09	1.35E-07	2.28E-08	7.79E-08	1.01E-09	1.02E-07	2.58E-09	1.37E-08	2.40E-10	1.65E-08	2.35E-09	7.15E-09	7.25E-11	9.57E-09
5505	469514.77	3819613.27	2.63E-08	1.02E-07	1.35E-09	1.30E-07	2.19E-08	7.50E-08	9.70E-10	9.78E-08	2.48E-09	1.31E-08	2.30E-10	1.58E-08	2.26E-09	6.88E-09	6.97E-11	9.20E-09
5506	469511.27	3819604.37	2.53E-08	9.81E-08	1.30E-09	1.25E-07	2.11E-08	7.21E-08	9.33E-10	9.41E-08	2.39E-09	1.26E-08	2.22E-10	1.52E-08	2.17E-09	6.61E-09	6.71E-11	8.85E-09
5507	469507.77	3819595.46	2.43E-08	9.44E-08	1.25E-09	1.20E-07	2.03E-08	6.93E-08	8.97E-10	9.05E-08	2.30E-09	1.21E-08	2.13E-10	1.47E-08	2.09E-09	6.36E-09	6.45E-11	8.51E-09
5508	469504.28	3819586.56	2.34E-08	9.07E-08	1.20E-09	1.15E-07	1.95E-08	6.66E-08	8.62E-10	8.70E-08	2.21E-09	1.17E-08	2.05E-10	1.41E-08	2.01E-09	6.11E-09	6.20E-11	8.18E-09
5509	469500.78	3819577.65	2.24E-08	8.70E-08	1.15E-09	1.11E-07	1.87E-08	6.39E-08	8.27E-10	8.34E-08	2.12E-09	1.12E-08	1.97E-10	1.35E-08	1.93E-09	5.86E-09	5.95E-11	7.85E-09
5510	469497.28	3819568.75	2.15E-08	8.34E-08	1.11E-09	1.06E-07	1.79E-08	6.13E-08	7.93E-10	8.00E-08	2.03E-09	1.07E-08	1.88E-10	1.30E-08	1.85E-09	5.62E-09	5.70E-11	7.53E-09
5511	469493.79	3819559.84	2.06E-08	8.00E-08	1.06E-09	1.02E-07	1.72E-08	5.88E-08	7.61E-10	7.67E-08	1.95E-09	1.03E-08	1.81E-10	1.24E-08	1.77E-09	5.39E-09	5.47E-11	7.22E-09
5512	469490.29	3819550.94	1.98E-08	7.67E-08	1.02E-09	9.75E-08	1.65E-08	5.64E-08	7.30E-10	7.36E-08	1.87E-09	9.88E-09	1.73E-10	1.19E-08	1.70E-09	5.17E-09	5.24E-11	6.92E-09
5513	469486.79	3819542.04	1.90E-08	7.36E-08	9.76E-10	9.36E-08	1.58E-08	5.41E-08	7.00E-10	7.06E-08	1.79E-09	9.48E-09	1.66E-10	1.14E-08	1.63E-09	4.96E-09	5.03E-11	6.64E-09
5514	469483.3	3819533.13	1.82E-08	7.07E-08	9.36E-10	8.98E-08	1.52E-08	5.19E-08	6.72E-10	6.78E-08	1.72E-09	9.10E-09	1.60E-10	1.10E-08	1.56E-09	4.76E-09	4.83E-11	6.38E-09
5515	469479.8	3819524.23	1.75E-08	6.78E-08	8.99E-10	8.62E-08	1.46E-08	4.98E-08	6.45E-10	6.51E-08	1.65E-09	8.73E-09	1.53E-10	1.05E-08	1.50E-09	4.57E-09	4.64E-11	6.12E-09
5516	469476.3	3819515.32	1.68E-08	6.51E-08	8.63E-10	8.28E-08	1.40E-08	4.79E-08	6.19E-10	6.25E-08	1.59E-09	8.38E-09	1.47E-10	1.01E-08	1.44E-09	4.39E-09	4.45E-11	5.88E-09
5517	469472.81	3819506.42	1.61E-08	6.25E-08	8.29E-10	7.95E-08	1.34E-08	4.60E-08	5.95E-10	6.00E-08	1.52E-09	8.05E-09	1.41E-10	9.72E-09	1.38E-09	4.22E-09	4.27E-11	5.64E-09
5518	469469.31	3819497.52	1.55E-08	6.01E-08	7.96E-10	7.64E-08	1.29E-08	4.41E-08	5.71E-10	5.76E-08	1.46E-09	7.73E-09	1.36E-10	9.33E-09	1.33E-09	4.05E-09	4.11E-11	5.42E-09
5519	469465.81	3819488.61	1.49E-08	5.77E-08	7.65E-10	7.34E-08	1.24E-08	4.24E-08	5.49E-10	5.54E-08	1.41E-09	7.43E-09	1.30E-10	8.97E-09	1.28E-09	3.89E-09	3.95E-11	5.21E-09
5520	469462.32	3819479.71	1.43E-08	5.55E-08	7.36E-10	7.06E-08	1.19E-08	4.08E-08	5.28E-10	5.32E-08	1.35E-09	7.15E-09	1.25E-10	8.62E-09	1.23E-09	3.74E-09	3.79E-11	5.01E-09
5521	469458.82	3819470.8	1.38E-08	5.34E-08	7.08E-10	6.79E-08	1.15E-08	3.92E-08	5.08E-10	5.12E-08	1.30E-09	6.87E-09	1.21E-10	8.30E-09	1.18E-09	3.60E-09	3.65E-11	4.82E-09
5522	469455.32	3819461.9	1.33E-08	5.14E-08	6.81E-10	6.53E-08	1.10E-08	3.78E-08	4.89E-10	4.93E-08	1.25E-09	6.62E-09	1.16E-10	7.98E-09	1.14E-09	3.46E-09	3.51E-11	4.64E-09
5523	469451.83	3819453	1.28E-08	4.95E-08	6.56E-10	6.29E-08	1.06E-08	3.64E-08	4.71E-10	4.75E-08	1.21E-09	6.37E-09	1.12E-10	7.69E-09	1.10E-09	3.34E-09	3.38E-11	4.47E-09
5524	469448.33	3819444.09	1.23E-08	4.77E-08	6.32E-10	6.07E-08	1.02E-08	3.51E-08	4.54E-10	4.58E-08	1.16E-09	6.14E-09	1.08E-10	7.41E-09	1.06E-09	3.22E-09	3.26E-11	4.31E-09
5525	470095.51	3820108.34	9.17E-08	3.56E-07	4.71E-09	4.52E-07	7.64E-08	2.61E-07	3.38E-09	3.41E-07	8.66E-09	4.58E-08	8.03E-10	5.52E-08	7.87E-09	2.40E-08	2.43E-10	3.21E-08
5526	470105.21	3820108.47	9.15E-08	3.55E-07	4.70E-09	4.51E-07	7.62E-08	2.61E-07	3.37E-09	3.40E-07	8.64E-09	4.57E-08	8.02E-10	5.51E-08	7.86E-09	2.39E-08	2.43E-10	3.20E-08
5527	470114.91	3820108.61	9.12E-08	3.54E-07	4.69E-09	4.50E-07	7.60E-08	2.60E-07	3.36E-09	3.39E-07	8.61E-09	4.55E-08	7.99E-10	5.50E-08	7.83E-09	2.38E-08	2.42E-10	3.19E-08
5528	470124.6	3820108.74	9.09E-08	3.52E-07	4.67E-09	4.48E-07	7.57E-08	2.59E-07	3.35E-09	3.38E-07	8.58E-09	4.54E-08	7.96E-10	5.47E-08	7.80E-09	2.38E-08	2.41E-10	3.18E-08
5529	470134.3	3820108.88	9.04E-08	3.51E-07	4.65E-09	4.46E-07	7.53E-08	2.58E-07	3.33E-09	3.36E-07	8.54E-09	4.51E-08	7.92E-10	5.45E-08	7.76E-09	2.36E-08	2.40E-10	3.16E-08
5530	470144	3820109.01	8.99E-08	3.49E-07	4.62E-09	4.43E-07	7.48E-08	2.56E-07	3.31E-09	3.34E-07	8.49E-09	4.49E-08	7.87E-10	5.41E-08	7.71E-09	2.35E-08	2.38E-10	3.14E-08
5531	470153.7	3820109.15	8.92E-08	3.46E-07	4.58E-09	4.40E-07	7.43E-08	2.54E-07	3.29E-09	3.32E-07	8.43E-09	4.45E-08	7.82E-10	5.38E-08	7.66E-09	2.33E-08	2.37E-10	3.12E-08
5532	470163.39	3820109.28	8.85E-08	3.43E-07	4.55E-09	4.36E-07	7.37E-08	2.52E-07	3.26E-09	3.29E-07	8.36E-09	4.42E-08	7.76E-10	5.33E-08	7.60E-09	2.31E-08	2.35E-10	3.10E-08
5533	470173.09	3820109.42	8.77E-08	3.40E-07	4.51E-09	4.33E-07	7.31E-08	2.50E-07	3.24E-09	3.26E-07	8.29E-09	4.38E-08	7.69E-10	5.29E-08	7.53E-09	2.29E-08	2.33E-10	3.07E-08
5534	470182.79	3820109.55	8.69E-08	3.37E-07	4.46E-09	4.28E-07	7.24E-08	2.48E-07	3.20E-09	3.23E-07	8.21E-09	4.34E-08	7.61E-10	5.24E-08	7.46E-09	2.27E-08	2.30E-10	3.04E-08
5535	470192.48	3820109.69	8.60E-08	3.34E-07	4.42E-09	4.24E-07	7.16E-08	2.45E-07	3.17E-09	3.20E-07	8.12E-09	4.29E-08	7.54E-10	5.18E-08	7.38E-09	2.25E-08	2.28E-10	3.01E-08
5536	470202.18	3820109.82	8.50E-08	3.30E-07	4.37E-09	4.19E-07	7.08E-08	2.42E-07	3.14E-09	3.16E-07	8.03E-09	4.25E-08	7.45E-10	5.12E-08	7.30E-09	2.22E-08	2.25E-10	2.98E-08
5537	470211.88	3820109.96	8.41E-08	3.26E-07	4.32E-09	4.15E-07	7.00E-08	2.40E-07	3.10E-09	3.13E-07	7.94E-09	4.20E-08	7.37E-10	5.07E-08	7.22E-09	2.20E-08	2.23E-10	2.94E-08
5538	470221.58	3820110.09	8.31E-08	3.22E-07	4.27E-09	4.10E-07	6.92E-08	2.37E-07	3.07E-09	3.09E-07	7.85E-09	4.15E-08	7.28E-10	5.01E-08	7.13E-09	2.17E-08	2.20E-10	2.91E-08
5539	470231.27	3820110.23	8.21E-08	3.18E-07	4.22E-09	4.05E-07	6.84E-08	2.34E-07	3.03E-09	3.05E-07	7.75E-09	4.10E-08	7.19E-10	4.95E-08	7.05E-09	2.15E-08	2.18E-10	2.87E-08
5540	470240.97	3820110.36	8.10E-08	3.14E-07	4.16E-09	4.00E-07	6.75E-08	2.31E-07	2.99E-09	3.01E-07	7.65E-09	4.05E-08	7.10E-10	4.88E-08	6.96E-09	2.12E-08	2.15E-10	2.84E-08
5541	470250.67	3820110.5	8.00E-08	3.10E-07	4.11E-09	3.94E-07	6.66E-08	2.28E-07	2.95E-09	2.97E-07	7.55E-09	3.99E-08	7.01E-10	4.82E-08	6.87E-09	2.09E-08	2.12E-10	2.80E-08
5542	470260.37	3820110.63	7.89E-08	3.06E-07	4.05E-09	3.89E-07	6.57E-08	2.25E-07	2.91E-09	2.94E-07	7.45E-09	3.94E-08	6.91E-10	4.75E-08	6.77E-09	2.06E-08	2.09E-10	2.76E-08
5543	470086.14	3820144.52	8.44E-08	3.28E-07	4.34E-09	4.16E-07	7.03E-08	2.41E-07	3.11E-09	3.14E-07	7.97E-09	4.22E-08	7.40E-10	5.09E-08	7.25E-09	2.21E-08	2.24E-10	2.95E-08
5544	470077.33	3820140.71	8.52E-08	3.30E-07	4.38E-09	4.20E-07	7.10E-08	2.43E-07	3.14E-09	3.17E-07	8.04E-09	4.25E-08	7.46E-10	5.13E-08	7.31E-09	2.23E-08	2.26E-10	2.98E-08
5545	470068.52	3820136.9	8.58E-08	3.33E-07	4.41E-09	4.23E-07	7.15E-08	2.45E-07	3.17E-09	3.19E-07	8.10E-09	4.29E-08	7.52E-10	5.17E-08	7.37E-09	2.24E-08	2.28E-10	3.00E-08
5546	470059.7	3820133.09	8.64E-08	3.35E-07	4.44E-09	4.26E-07	7.20E-08	2.46E-07	3.19E-09	3.21E-07	8.16E-09	4.31E-08	7.57E-10	5.20E-08	7.42E-09	2.26E-08	2.29E-10	3.02E-08
5547	470050.89	3820129.28	8.69E-08	3.37E-07	4.46E-09	4.28E-07	7.24E-08	2.48E-07	3.20E-09	3.23E-07	8.20E-09	4.34E-08	7.61E-10	5.23E-08	7.46E-09	2.27E-08	2.30E-10	3.04E-08
5548	470042.07	3820125.46	8.72E-08	3.38E-07	4.48E-09	4.30E-07	7.27E-08	2.49E-07	3.22E-09	3.25E-07	8.24E-09	4.36E-08	7.64E-10	5.26E-08	7.49E-09	2.28E-08	2.31E-10	3.05E-08
5549	470033.26	3820121.65	8.75E-08	3.39E-07	4.50E-09	4.31E-07	7.29E-08	2.49E-07	3.23E-09	3.26E-07	8.27E-09	4.37E-08	7.67E-10	5.27E-08	7.51E-09	2.29E-08	2.32E-10	3.06E-08
5550	470024.45	3820117.84	8.77E-08	3.40E-07	4.51E-09	4.32E-07	7.31E-08	2.50E-07	3.24E-09	3.26E-07	8.28E-09	4.38E-08	7.69E-10	5.29E-08	7.53E-09	2.29E-08	2.33E-10	3.07E-08
5551	470015.63	3820114.03	8.78E-08	3.41E-07	4.51E-09	4.33E-07	7.31E-08	2.50E-07	3.24E-09	3.27E-07	8.29E-09	4.38E-08	7.70E-10	5.29E-08	7.54E-09	2.30E-08	2.33E-10	3.07E-08
5552	470006.82	3820110.22	8.78E-08	3.41E-07	4.51E-09	4.33E-07	7.31E-08	2.50E-07	3.24E-09	3.27E-07	8.29E-09	4.38E-08	7.70E-10	5.29E-08	7.54E-09	2.30E-08	2.33E-10	3.07E-08
5553	469998.01	3820106.41	8.77E-08	3.40E-07	4.51E-09	4.32E-07	7.31E-08	2.50E-07	3.24E-09	3.26E-07	8.28E-09	4.38E-08	7.69E-10	5.29E-08	7.53E-09	2.29E-08	2.33E-10	3.07E-08
5554	469989.19	3820102.6	8.75E-08	3.40E-07	4.50E-09	4.32E-07	7.29E-08	2.49E-07	3.23E-09	3.26E-07	8.27E-09	4.37E-08	7.67E-10	5.27E-08	7.52E-09	2.29E-08	2.32E-10	3.06E-08
5555	469980.38	3820098.79	8.73E-08	3.38E-07	4.48E-09	4.30E-07	7.27E-08	2.49E-07	3.22E-09	3.25E-07	8.24E-09	4.36E-08	7.65E-10	5.26E-08	7.49E-09	2.28E-08	2.31E-10	3.05E-08
5556	469971.57	3820094.98	8.69E-08	3.37E-07	4.47E-09	4.28E-07	7.24E-08	2.48E-07	3.21E-09	3.23E-07	8.21E-09	4.34E-08	7.62E-10	5.24E-08	7.46E-09	2.27E-08	2.30E-10	3.04E-08
5557	469962.75	3820091.16	8.65E-08	3.35E-07	4.44E-09	4.26E-07	7.20E-08	2.46E-07	3.19E-09	3.22E-07	8.17E-09	4.32E-08	7.58E-10	5.21E-08	7.42E-09	2.26E-08	2.29E-10	3.03E-08
5558	469953.94	3820087.35	8.60E-08	3.33E-07	4.42E-09	4.24E-07	7.16E-08	2.45E-07	3.17E-09	3.20E-07	8.12E-09	4.29E-08	7.53E-10	5.18E-08	7.38E-09	2.25E-08	2.28E-10	3.01E-08
5559	469945.13	3820083.54	8.54E-08	3.31E-07	4.39E-09	4.21E-07	7.11E-08	2.43E-07	3.15E-09	3.18E-07	8.07E-09	4.26E-08	7.48E-10	5.15E-08	7.33E-09	2.23E-08	2.26E-10	2.99E-08
5560	469936.31	3820079.73	8.48E-08	3.29E-07	4.36E-09	4.18E-07	7.06E-08	2.42E-07	3.13E-09	3.15E-07	8.00E-09	4.23E-08	7.43E-10	5.11E-08	7.28E-09	2.22E-08	2.25E-10	2.97E-08
5561	469927.5	3820075.92	8.41E-08	3.26E-07	4.32E-09	4.14E-07	7.00E-08	2.40E-07	3.10E-09	3.13E-07	7.94E-09	4.20E-08	7.37E-10	5.07E-08	7.22E-09	2.20E-08	2.23E-10	2.94E-08
5562	469918.68	3820072.11	8.33E-08	3.23E-07	4.28E-09	4.11E-07	6.94E-08	2.37E-07	3.07E-09	3.10E-07	7.87E-09	4.16E-08	7.30E-10	5.02E-08	7.15E-09	2.18E-08	2.21E-10	2.92E-08
5563	469909.87	3820068.3	8.25E-08	3.20E-07	4.24E-09	4.07E-07	6.88E-08	2.35E-07	3.04E-09	3.07E-07	7.79E-09	4.12E-08	7.23E-10	4.97E-08	7.09E-09	2.16E-08	2.19E-10	2.89E-08
5564	469901.06	3820064.49	8.17E-08	3.17E-07	4.20E-09	4.03E-07	6.81E-08	2.33E-07	3.01E-09	3.04E-07	7.72E-09	4.08E-08	7.16E-10	4.92E-08	7.02E-09	2.14E-08	2.17E-10	2.86E

5565	469892.24	3820060.67	8.09E-08	3.14E-07	4.15E-09	3.99E-07	6.73E-08	2.30E-07	2.98E-09	3.01E-07	7.64E-09	4.04E-08	7.09E-10	4.87E-08	6.94E-09	2.11E-08	2.14E-10	2.83E-08
5566	469883.43	3820056.86	8.00E-08	3.10E-07	4.11E-09	3.94E-07	6.66E-08	2.28E-07	2.95E-09	2.97E-07	7.55E-09	3.99E-08	7.01E-10	4.82E-08	6.86E-09	2.09E-08	2.12E-10	2.80E-08
5567	469874.62	3820053.05	7.91E-08	3.07E-07	4.06E-09	3.90E-07	6.58E-08	2.25E-07	2.92E-09	2.94E-07	7.46E-09	3.95E-08	6.93E-10	4.76E-08	6.79E-09	2.07E-08	2.10E-10	2.77E-08
5568	469865.8	3820049.24	7.81E-08	3.03E-07	4.01E-09	3.85E-07	6.51E-08	2.23E-07	2.88E-09	2.91E-07	7.38E-09	3.90E-08	6.85E-10	4.71E-08	6.71E-09	2.04E-08	2.07E-10	2.73E-08
5569	469671.91	3819965.39	5.71E-08	2.21E-07	2.93E-09	2.82E-07	4.76E-08	1.63E-07	2.11E-09	2.12E-07	5.39E-09	2.85E-08	5.00E-10	3.44E-08	4.90E-09	1.49E-08	1.51E-10	2.00E-08
5570	469663.09	3819961.58	5.61E-08	2.18E-07	2.88E-09	2.77E-07	4.68E-08	1.60E-07	2.07E-09	2.09E-07	5.30E-09	2.80E-08	4.92E-10	3.38E-08	4.82E-09	1.47E-08	1.49E-10	1.96E-08
5571	469654.28	3819957.77	5.51E-08	2.14E-07	2.83E-09	2.72E-07	4.59E-08	1.57E-07	2.03E-09	2.05E-07	5.21E-09	2.75E-08	4.83E-10	3.32E-08	4.73E-09	1.44E-08	1.46E-10	1.93E-08
5572	469645.46	3819953.96	5.42E-08	2.10E-07	2.78E-09	2.67E-07	4.51E-08	1.54E-07	2.00E-09	2.01E-07	5.11E-09	2.70E-08	4.75E-10	3.26E-08	4.65E-09	1.42E-08	1.44E-10	1.89E-08
5573	469636.65	3819950.15	5.32E-08	2.06E-07	2.73E-09	2.62E-07	4.43E-08	1.51E-07	1.96E-09	1.98E-07	5.02E-09	2.65E-08	4.66E-10	3.20E-08	4.56E-09	1.39E-08	1.41E-10	1.86E-08
5574	469627.84	3819946.34	5.21E-08	2.02E-07	2.68E-09	2.57E-07	4.34E-08	1.49E-07	1.92E-09	1.94E-07	4.92E-09	2.60E-08	4.57E-10	3.14E-08	4.48E-09	1.36E-08	1.38E-10	1.82E-08
5575	469619.02	3819942.53	5.11E-08	1.98E-07	2.63E-09	2.52E-07	4.26E-08	1.46E-07	1.89E-09	1.90E-07	4.83E-09	2.55E-08	4.48E-10	3.08E-08	4.39E-09	1.34E-08	1.36E-10	1.79E-08
5576	469610.21	3819938.72	5.01E-08	1.94E-07	2.58E-09	2.47E-07	4.17E-08	1.43E-07	1.85E-09	1.86E-07	4.73E-09	2.50E-08	4.39E-10	3.02E-08	4.30E-09	1.31E-08	1.33E-10	1.75E-08
5577	469597.89	3819925.97	4.89E-08	1.90E-07	2.51E-09	2.41E-07	4.07E-08	1.39E-07	1.80E-09	1.82E-07	4.62E-09	2.44E-08	4.28E-10	2.94E-08	4.20E-09	1.28E-08	1.30E-10	1.71E-08
5578	469594.38	3819917.03	4.86E-08	1.89E-07	2.50E-09	2.40E-07	4.05E-08	1.39E-07	1.79E-09	1.81E-07	4.59E-09	2.43E-08	4.26E-10	2.93E-08	4.17E-09	1.27E-08	1.29E-10	1.70E-08
5579	469590.87	3819908.09	4.83E-08	1.87E-07	2.48E-09	2.38E-07	4.02E-08	1.38E-07	1.78E-09	1.80E-07	4.56E-09	2.41E-08	4.23E-10	2.91E-08	4.15E-09	1.26E-08	1.28E-10	1.69E-08
5580	469587.36	3819899.15	4.80E-08	1.86E-07	2.46E-09	2.36E-07	3.99E-08	1.37E-07	1.77E-09	1.78E-07	4.53E-09	2.39E-08	4.20E-10	2.89E-08	4.12E-09	1.25E-08	1.27E-10	1.68E-08
5581	469583.85	3819890.21	4.76E-08	1.84E-07	2.44E-09	2.34E-07	3.96E-08	1.36E-07	1.75E-09	1.77E-07	4.49E-09	2.37E-08	4.17E-10	2.87E-08	4.08E-09	1.24E-08	1.26E-10	1.66E-08
5582	469580.34	3819881.28	4.71E-08	1.83E-07	2.42E-09	2.32E-07	3.93E-08	1.34E-07	1.74E-09	1.75E-07	4.45E-09	2.35E-08	4.13E-10	2.84E-08	4.05E-09	1.23E-08	1.25E-10	1.65E-08
5583	469576.83	3819872.34	4.67E-08	1.81E-07	2.40E-09	2.30E-07	3.89E-08	1.33E-07	1.72E-09	1.74E-07	4.41E-09	2.33E-08	4.09E-10	2.81E-08	4.01E-09	1.22E-08	1.24E-10	1.63E-08
5584	469573.32	3819863.4	4.62E-08	1.79E-07	2.37E-09	2.28E-07	3.85E-08	1.32E-07	1.70E-09	1.72E-07	4.36E-09	2.31E-08	4.05E-10	2.78E-08	3.96E-09	1.21E-08	1.22E-10	1.62E-08
5585	469569.81	3819854.46	4.56E-08	1.77E-07	2.35E-09	2.25E-07	3.80E-08	1.30E-07	1.68E-09	1.70E-07	4.31E-09	2.28E-08	4.00E-10	2.75E-08	3.92E-09	1.19E-08	1.21E-10	1.60E-08
5586	469566.3	3819845.53	4.51E-08	1.75E-07	2.32E-09	2.22E-07	3.75E-08	1.28E-07	1.66E-09	1.68E-07	4.26E-09	2.25E-08	3.95E-10	2.71E-08	3.87E-09	1.18E-08	1.19E-10	1.58E-08
5587	469478.55	3819622.08	2.33E-08	9.03E-08	1.20E-09	1.15E-07	1.94E-08	6.63E-08	8.58E-10	8.66E-08	2.20E-09	1.16E-08	2.04E-10	1.40E-08	2.00E-09	6.08E-09	6.17E-11	8.14E-09
5588	469475.04	3819613.14	2.24E-08	8.68E-08	1.15E-09	1.10E-07	1.87E-08	6.38E-08	8.26E-10	8.33E-08	2.11E-09	1.12E-08	1.96E-10	1.35E-08	1.92E-09	5.85E-09	5.94E-11	7.83E-09
5589	469471.53	3819604.21	2.16E-08	8.36E-08	1.11E-09	1.06E-07	1.80E-08	6.14E-08	7.95E-10	8.02E-08	2.04E-09	1.08E-08	1.89E-10	1.30E-08	1.85E-09	5.63E-09	5.71E-11	7.54E-09
5590	469468.02	3819595.27	2.07E-08	8.04E-08	1.07E-09	1.02E-07	1.73E-08	5.91E-08	7.65E-10	7.71E-08	1.96E-09	1.04E-08	1.82E-10	1.25E-08	1.78E-09	5.42E-09	5.50E-11	7.25E-09
5591	469464.51	3819586.33	1.99E-08	7.73E-08	1.02E-09	9.83E-08	1.66E-08	5.68E-08	7.35E-10	7.42E-08	1.88E-09	9.95E-09	1.75E-10	1.20E-08	1.71E-09	5.21E-09	5.28E-11	6.98E-09
5592	469461	3819577.39	1.91E-08	7.42E-08	9.84E-10	9.44E-08	1.59E-08	5.46E-08	7.06E-10	7.12E-08	1.81E-09	9.56E-09	1.68E-10	1.15E-08	1.64E-09	5.00E-09	5.07E-11	6.70E-09
5593	469457.49	3819568.45	1.84E-08	7.13E-08	9.44E-10	9.06E-08	1.53E-08	5.24E-08	6.78E-10	6.84E-08	1.74E-09	9.17E-09	1.61E-10	1.11E-08	1.58E-09	4.80E-09	4.87E-11	6.43E-09
5594	469453.98	3819559.52	1.76E-08	6.84E-08	9.06E-10	8.69E-08	1.47E-08	5.03E-08	6.50E-10	6.56E-08	1.67E-09	8.80E-09	1.55E-10	1.06E-08	1.51E-09	4.61E-09	4.67E-11	6.17E-09
5595	469450.47	3819550.58	1.69E-08	6.57E-08	8.70E-10	8.35E-08	1.41E-08	4.83E-08	6.25E-10	6.30E-08	1.60E-09	8.46E-09	1.48E-10	1.02E-08	1.45E-09	4.43E-09	4.49E-11	5.93E-09
5596	469446.96	3819541.64	1.63E-08	6.31E-08	8.37E-10	8.03E-08	1.36E-08	4.64E-08	6.00E-10	6.06E-08	1.54E-09	8.13E-09	1.43E-10	9.81E-09	1.40E-09	4.26E-09	4.32E-11	5.70E-09
5597	469443.45	3819532.7	1.57E-08	6.07E-08	8.04E-10	7.71E-08	1.30E-08	4.46E-08	5.77E-10	5.82E-08	1.48E-09	7.81E-09	1.37E-10	9.43E-09	1.34E-09	4.09E-09	4.15E-11	5.48E-09
5598	469439.94	3819523.77	1.50E-08	5.84E-08	7.73E-10	7.42E-08	1.25E-08	4.29E-08	5.55E-10	5.60E-08	1.42E-09	7.51E-09	1.32E-10	9.06E-09	1.29E-09	3.93E-09	3.99E-11	5.26E-09
5599	469436.43	3819514.83	1.45E-08	5.61E-08	7.43E-10	7.13E-08	1.21E-08	4.12E-08	5.34E-10	5.38E-08	1.37E-09	7.22E-09	1.27E-10	8.72E-09	1.24E-09	3.78E-09	3.84E-11	5.06E-09
5600	469432.92	3819505.89	1.39E-08	5.40E-08	7.15E-10	6.86E-08	1.16E-08	3.97E-08	5.13E-10	5.18E-08	1.31E-09	6.95E-09	1.22E-10	8.39E-09	1.19E-09	3.64E-09	3.69E-11	4.87E-09
5601	469429.41	3819496.95	1.34E-08	5.20E-08	6.88E-10	6.61E-08	1.12E-08	3.82E-08	4.94E-10	4.98E-08	1.27E-09	6.69E-09	1.17E-10	8.07E-09	1.15E-09	3.50E-09	3.55E-11	4.69E-09
5602	469425.9	3819488.01	1.29E-08	5.00E-08	6.63E-10	6.36E-08	1.07E-08	3.68E-08	4.76E-10	4.80E-08	1.22E-09	6.44E-09	1.13E-10	7.77E-09	1.11E-09	3.37E-09	3.42E-11	4.51E-09
5603	469422.39	3819479.08	1.24E-08	4.82E-08	6.39E-10	6.13E-08	1.04E-08	3.54E-08	4.58E-10	4.62E-08	1.17E-09	6.20E-09	1.09E-10	7.49E-09	1.07E-09	3.25E-09	3.29E-11	4.35E-09
5604	469418.88	3819470.14	1.20E-08	4.65E-08	6.16E-10	5.91E-08	9.98E-09	3.41E-08	4.42E-10	4.46E-08	1.13E-09	5.98E-09	1.05E-10	7.22E-09	1.03E-09	3.13E-09	3.18E-11	4.19E-09
5605	469415.37	3819461.2	1.16E-08	4.48E-08	5.94E-10	5.70E-08	9.63E-09	3.29E-08	4.26E-10	4.30E-08	1.09E-09	5.77E-09	1.01E-10	6.96E-09	9.92E-10	3.02E-09	3.06E-11	4.04E-09
5606	469411.86	3819452.26	1.12E-08	4.33E-08	5.73E-10	5.50E-08	9.29E-09	3.18E-08	4.11E-10	4.15E-08	1.05E-09	5.57E-09	9.78E-11	6.72E-09	9.58E-10	2.92E-09	2.96E-11	3.90E-09
5607	469408.35	3819443.32	1.08E-08	4.18E-08	5.54E-10	5.31E-08	8.97E-09	3.07E-08	3.97E-10	4.01E-08	1.02E-09	5.38E-09	9.44E-11	6.49E-09	9.25E-10	2.82E-09	2.86E-11	3.77E-09
5608	470094.96	3820148.33	8.36E-08	3.24E-07	4.30E-09	4.12E-07	6.97E-08	2.38E-07	3.08E-09	3.11E-07	7.90E-09	4.18E-08	7.33E-10	5.04E-08	7.18E-09	2.19E-08	2.22E-10	2.93E-08
5609	470104.65	3820148.47	8.34E-08	3.23E-07	4.29E-09	4.11E-07	6.95E-08	2.38E-07	3.08E-09	3.10E-07	7.88E-09	4.16E-08	7.31E-10	5.02E-08	7.16E-09	2.18E-08	2.21E-10	2.92E-08
5610	470114.35	3820148.6	8.31E-08	3.22E-07	4.27E-09	4.10E-07	6.92E-08	2.37E-07	3.06E-09	3.09E-07	7.85E-09	4.15E-08	7.28E-10	5.01E-08	7.13E-09	2.17E-08	2.20E-10	2.91E-08
5611	470124.05	3820148.74	8.27E-08	3.21E-07	4.25E-09	4.08E-07	6.89E-08	2.36E-07	3.05E-09	3.08E-07	7.81E-09	4.13E-08	7.25E-10	4.98E-08	7.10E-09	2.16E-08	2.19E-10	2.90E-08
5612	470133.74	3820148.87	8.23E-08	3.19E-07	4.23E-09	4.06E-07	6.85E-08	2.35E-07	3.03E-09	3.06E-07	7.77E-09	4.11E-08	7.21E-10	4.96E-08	7.06E-09	2.15E-08	2.18E-10	2.88E-08
5613	470143.44	3820149.01	8.18E-08	3.17E-07	4.20E-09	4.03E-07	6.81E-08	2.33E-07	3.02E-09	3.04E-07	7.72E-09	4.08E-08	7.17E-10	4.93E-08	7.02E-09	2.14E-08	2.17E-10	2.86E-08
5614	470153.14	3820149.14	8.12E-08	3.15E-07	4.17E-09	4.00E-07	6.76E-08	2.31E-07	2.99E-09	3.02E-07	7.66E-09	4.05E-08	7.11E-10	4.89E-08	6.97E-09	2.12E-08	2.15E-10	2.84E-08
5615	470162.84	3820149.28	8.05E-08	3.12E-07	4.14E-09	3.97E-07	6.70E-08	2.29E-07	2.97E-09	2.99E-07	7.60E-09	4.02E-08	7.05E-10	4.85E-08	6.91E-09	2.10E-08	2.13E-10	2.82E-08
5616	470172.53	3820149.41	7.98E-08	3.09E-07	4.10E-09	3.93E-07	6.65E-08	2.27E-07	2.94E-09	2.97E-07	7.53E-09	3.98E-08	6.99E-10	4.81E-08	6.85E-09	2.09E-08	2.12E-10	2.79E-08
5617	470182.23	3820149.55	7.90E-08	3.07E-07	4.06E-09	3.90E-07	6.58E-08	2.25E-07	2.91E-09	2.94E-07	7.46E-09	3.95E-08	6.93E-10	4.76E-08	6.78E-09	2.07E-08	2.10E-10	2.77E-08
5618	470191.93	3820149.68	7.82E-08	3.03E-07	4.02E-09	3.86E-07	6.52E-08	2.23E-07	2.89E-09	2.91E-07	7.39E-09	3.91E-08	6.86E-10	4.71E-08	6.72E-09	2.05E-08	2.07E-10	2.74E-08
5619	470201.63	3820149.82	7.74E-08	3.00E-07	3.98E-09	3.82E-07	6.45E-08	2.21E-07	2.86E-09	2.88E-07	7.31E-09	3.87E-08	6.78E-10	4.66E-08	6.65E-09	2.02E-08	2.05E-10	2.71E-08
5620	470211.32	3820149.95	7.66E-08	2.97E-07	3.93E-09	3.77E-07	6.38E-08	2.18E-07	2.82E-09	2.85E-07	7.23E-09	3.82E-08	6.71E-10	4.61E-08	6.57E-09	2.00E-08	2.03E-10	2.68E-08
5621	470221.02	3820150.09	7.57E-08	2.93E-07	3.89E-09	3.73E-07	6.30E-08	2.16E-07	2.79E-09	2.81E-07	7.14E-09	3.78E-08	6.63E-10	4.56E-08	6.49E-09	1.98E-08	2.01E-10	2.65E-08
5622	470230.72	3820150.22	7.47E-08	2.90E-07	3.84E-09	3.68E-07	6.23E-08	2.13E-07	2.76E-09	2.78E-07	7.06E-09	3.73E-08	6.55E-10	4.50E-08	6.42E-09	1.95E-08	1.98E-10	2.62E-08
5623	470240.41	3820150.36	7.38E-08	2.86E-07	3.79E-09	3.64E-07	6.15E-08	2.10E-07	2.72E-09	2.75E-07	6.97E-09	3.69E-08	6.47E-10	4.45E-08	6.34E-09	1.93E-08	1.96E-10	2.58E-08
5624	470250.11	3820150.49	7.29E-08	2.83E-07	3.75E-09	3.60E-07	6.08E-08	2.08E-07	2.69E-09	2.71E-07	6.89E-09	3.64E-08	6.39E-10	4.39E-08	6.26E-09	1.91E-08	1.93E-10	2.55E-08
5625	470259.81	3820150.63	7.20E-08	2.79E-07	3.70E-09	3.55E-07	6.00E-08	2.05E-07	2.66E-09	2.68E-07	6.80E-09	3.60E-08	6.31E-10	4.34E-08	6.18E-09	1.88E-08	1.91E-10	2.52E-08
5626	470049.49	3820209.15	7.33E-08	2.84E-07	3.77E-09	3.62E-07	6.11E-08	2.09E-07	2.70E-09	2.73E-07	6.93E-09	3.66E-08	6.43E-10	4.42E-08	6.30E-09	1.92E-08	1.94E-10	2.57E-08
5627	470040.62	3820205.31	7.37E-08	2.86E-07	3.79E-09	3.63E-07	6.14E-08	2.10E-07	2.72E-09	2.74E-07	6.96E-09	3.68E-08	6.46E-10	4.44E-08	6.33E-09	1.93E-08	1.95E-10	2.58E-08
5628	470031.75	3820201.47	7.41E-08	2.87E-07	3.81E-09	3.65E-07	6.17E-08	2.11E-07	2.73E-09	2.75E-07	6.99E-09	3.70E-08	6.49E-10	4.46E-08	6.36E-09	1.94E-08	1.96E-10	2.59E-08
5629	470022.88	3820197.64	7.43E-08	2.88E-07	3.82E-09	3.66E-07	6.19E-08	2.12E-07	2.74E-09	2.76E-07	7.02E-09	3.71E-08	6.51E-10	4.48E-08	6.38E-09	1.94E-08	1.97E-10	2.60E-08
5630	470014.01	3820193.8	7.45E-08	2.89E-07	3.83E-09	3.67E-07	6.20E-08	2.12E-07	2.75E-09	2.77E-07	7.03E-09	3.72E-08	6.53E-10	4.49E-08	6.39E-09	1.95E-08	1.97E-10	2.61E-08
5631	470005.14	3820189.97	7.46E-08	2.89E-07	3.83E-09	3.68E-07	6.21E-08	2.13E-07	2.75E-09	2.77E-07	7.04E-09	3.72E-08	6.54E-10	4.49E-08	6.40E-09	1.95E-08	1.98E-10	2.61E-08
5632	469996.27	3820186.13	7.46E-08	2.89E-07	3.83E-09	3.68E-07	6.22E-08	2.13E-07	2.75E-09	2.78E-07	7.05E-09	3.73E-08	6.54E-10	4.50E-08	6.41E-09	1.95E-08	1.98E-10	2.61E-08
5633	469987.4	3820182.29	7.46E-08	2.89E-07	3.83E-09	3.68E-07	6.21E-08	2.13E-07	2.75E-09	2.77E-07	7.04E-09	3.72E-08	6.54E-10	4.49E-08	6.40E-09	1.95E-08	1.98E-10	2.61E-08
5634	469978.53	3820178.46	7.45E-08	2.89E-07	3.83E-09	3.67E-07	6.21E-08	2.12E-07	2.75E-09	2.77E-07	7.03E-09	3.72E-08	6.53E-10	4.49E-08	6.40E-09	1.95E-08	1.97E-10	2.61E-08
5635	469969.66	3820174.62	7.43E-08	2.88E-07	3.82E-09	3.66E-07	6.19E-08	2.12E-07	2.74E-09	2.76E-07	7.02E-09	3.71E-08	6.51E-10	4.48E-08	6.38E-09	1.94E-08	1.97E-10	2.60E-08
5636	469960.79	3820170.79	7.41E-08	2.87E-07	3.81E-09	3.65E-07	6.17E-08	2.11E-07	2.73E-09	2.76E-07	7.00E-09	3.70E-08	6.49E-10	4.46E-08	6.36E-09	1.94E-08	1.96E-10	2.59E-08
5637	469951.92	3820166.95	7.38E-08	2.86E-07	3.79E-09	3.64E-07	6.14E-08	2.10E-07	2.72E-09	2.74E-07	6.97E-09	3.68E-08	6.46E-10	4.44E-08	6.33E-09	1.93E-08	1.96E-10	2.58E-08
5638	469943.05	3820163.12	7.34E-08	2.85E-07	3.77E-09	3.62E-07	6.11E-08	2.09E-07	2.71E-09	2.73E-07	6.93E-09	3.66E-08	6.43E-10	4.42E-08	6.30E-09	1.92E-08	1.95E-10	2.57E-08
5639	469934.17	3820159.28	7.30E-08	2.83E-07	3.75E-09	3.60E-07	6.08E-08	2.08E-07	2.69E-09	2.71E-07	6.89E-09	3.64E-08	6.39E-10	4.40E-08	6.26E-09	1.91E-08	1.93E-10	2.55E-08
5640	469925.3	3820155.44	7.25E-08	2.81E-07	3.72E-09	3.57E-07	6.04E-08	2.07E-07	2.67E-09	2.70E-07	6.85E-09	3.62E-08	6.35E-10	4.37E-08	6.22E-09	1.89E-08	1.92E-10	2.54E-08
5641	469916.43	3820151.61	7.20E-08	2.79E-07	3.70E-09	3.55E-07	6.00E-08	2.05E-07	2.65E-09	2.68E-07	6.80E-09	3.59E-08	6.31E-10	4.34E-08	6.18E-09	1.88E-08	1.91E-10	2.52E-08
5642	469907.56	3820147.77	7.14E-08	2.77E-07	3.67E-09	3.52E-07	5.95E-08	2.04E-07	2.63E-09	2.66E-07	6.74E-09	3.57E-08	6.26E-10	4.30E-08	6.13E-09	1.87E-08	1.89E-10	2.50E-08
5643	469898.69	3820143.94	7.08E-08	2.75E-07	3.64E-09	3.49E-07	5.90E-08	2.02E-07	2.61E-09	2.63E-07	6.69E-09	3.54E-08	6.21E-10	4.27E-08	6.08E-09	1.85E-08	1.88E-10	2.48E-08
5644	469889.82	3820140.1	7.02E-08	2.72E-07	3.61E-09	3.46E-07	5.85E-08	2.00E-07	2.59E-09	2.61E-07	6.63E-09	3.51E-08	6.15E-10	4.23E-08	6.03E-09	1.84E-08	1.86E-10	2.46E-08
5645	469880.95	3820136.27	6.96E-08	2.70E-07	3.57E-09	3.43E-07	5.79E-08	1.98E-07	2.57E-09	2.59E-07	6.57E-09	3.47E-08	6.10E-10	4.19E-08	5.97E-09	1.82E-08	1.84E-10	2.43E-08
5646	469872.08	3820132.43	6.89E-08	2.67E-07	3.54E-09	3.40E-07	5.74E-08	1.96E-07	2.54E-09	2.56E-07	6.51E-09	3.44E-08	6.04E-10	4.15E-08	5.91E-09	1.80E-08	1.83E-10	2.41E-08
5647	469863.21	3820128.59	6.82E-08	2.64E-07	3.50E-09	3.36E-07	5.68E-08	1.94E-07	2.51E-09	2.54E-07	6.44E-09	3.40E-08	5.97E-10	4.11E-08	5.85E-09	1.78E-08	1.81E-10	2.39E-08
5648	469854.34	3820124.76	6.74E-08	2.62E-07	3.47E-09	3.32E-07	5.62E-08	1.92E-07	2.49E-09	2.51E-07	6.37E-09	3.37E-08	5.91E-10	4.06E-08	5.79E-09	1.76E-08	1.79E-10	2.36E-08
5649	469845.47	3820120.92	6.67E-08	2.59E-07	3.43E-09	3.29E-07	5.56E-08	1.90E-07	2.46E-09	2.48E-07	6.30E-09	3.33E-08	5.84E-10	4.02E-08	5.73E-09	1.74E-08	1.77E-10	2.33E-08
5650	469836.6	3820117.09	6.59E-08	2.56E-07	3.39E-09	3.25E-07	5.49E-08	1.88E-07	2.43E-09	2.45E-07	6.23E-09	3.29E-08	5.78E-10	3.97E-08	5.66E-09	1.72E-08	1.75E-10	2.31E-08
5651	469827.73	3820113.25	6.52E-08	2.53E-07	3.35E-09	3.21E-07	5.43E-08	1.86E-07	2.40E-09	2.42E-07	6.16E-09	3.25E-08	5.71E-10	3.93E-08	5.60E-09	1.70E-08	1.73E-10	2.28E-08
5652	469818.86	3820109.41	6.44E-08	2.50E-07	3.31E-09	3.18E-07	5.37E-08	1.84E-07	2.38E-09	2.40E-07	6.08E-09	3.22E-08	5.65E-10	3.88E-08	5.53E-09	1.68E-08	1.71E-10	2.25E-08
5653	469809.99	3820105.58	6.36E-08	2.47E-07	3.27E-09	3.14E-07	5.30E-08	1.81E-07	2.35E-09	2.37E-07	6.01E-09	3.18E-08	5.58E-10	3.83E-08	5.46E-09	1.66E-08	1.69E-10	2.23E-08
5654	469801.12	3820101.74	6.29E-08	2.44E-07	3.23E-09	3.10E-07	5.24E-08	1.79E-07	2.32E-09	2.34E-07	5.94E-09	3.14E-08	5.51E-10	3.79E-08	5.40E-09	1.64E-08	1.67E-10	2.20E-08
5655	469792.25	3820097.91	6.21E-08	2.41E-07	3.19E-09	3.06E-07	5.17E-08	1.77E-07	2.29E-09	2.31E-07	5.87E-09	3.10E-08	5.44E-10	3.74E-08	5.33E-09	1.62E-08	1.65E-10	2.17E-08
5656	469783.38	3820094.07	6.14E-08	2.38E-07	3.15E-09	3.03E-07	5.11E-08	1.75E-07	2.26E-09	2.28E-07	5.80E-09	3.06E-08	5.38E-10	3.70E-08	5.27E-09	1.60E-08	1.63E-10	2.15E-08
5657	469774.51	3820090.24	6.06E-08	2.35E-07	3.11E-09	2.99E-07	5.05E-08	1.73E-07	2.24E-09	2.26E-07	5.72E-09	3.03E-08	5.31E-10	3.65E-08	5.20E-09	1.58E-08	1.61E-10	2.12E-08
5658	469765.64	3820086.4	5.99E-08	2.32E-07	3.08E-09	2.95E-07	4.99E-08	1.71E-07	2.21E-09	2.23E-07	5.65E-09	2.99E-08	5.25E-10	3.61E-08	5.14E-09	1.57E-08	1.59E-10	2.10E-08
5659	469756.77	3820082.56	5.91E-08	2.29E-07	3.04E-09	2.92E-07	4.93E-08	1.69E-07	2.18E-09	2.20E-07	5.59E-09	2.95E-08	5.18E-10	3.56E-08	5.08E-09	1.55E-08	1.57E-10	2.07E-08
5660	469747.9	3820078.73	5.84E-08	2.27E-07	3.00E-09	2.88E-07	4.87E-08	1.66E-07	2.15E-09	2.17E-07	5.52E-09	2.92E-08	5.12E-10	3.52E-08	5.01E-09	1.53E-08	1.55E-10	2.

5661	469739.03	3820074.89	5.77E-08	2.24E-07	2.96E-09	2.84E-07	4.81E-08	1.64E-07	2.13E-09	2.15E-07	5.45E-09	2.88E-08	5.06E-10	3.48E-08	4.95E-09	1.51E-08	1.53E-10	2.02E-08
5662	469730.16	3820071.06	5.70E-08	2.21E-07	2.93E-09	2.81E-07	4.74E-08	1.62E-07	2.10E-09	2.12E-07	5.38E-09	2.84E-08	4.99E-10	3.43E-08	4.89E-09	1.49E-08	1.51E-10	1.99E-08
5663	469721.28	3820067.22	5.63E-08	2.18E-07	2.89E-09	2.77E-07	4.69E-08	1.60E-07	2.07E-09	2.09E-07	5.31E-09	2.81E-08	4.93E-10	3.39E-08	4.83E-09	1.47E-08	1.49E-10	1.97E-08
5664	469712.41	3820063.38	5.55E-08	2.15E-07	2.85E-09	2.74E-07	4.63E-08	1.58E-07	2.05E-09	2.07E-07	5.24E-09	2.77E-08	4.87E-10	3.35E-08	4.77E-09	1.45E-08	1.47E-10	1.94E-08
5665	469588.23	3820009.68	4.54E-08	1.76E-07	2.33E-09	2.24E-07	3.78E-08	1.29E-07	1.67E-09	1.69E-07	4.28E-09	2.26E-08	3.97E-10	2.73E-08	3.89E-09	1.19E-08	1.20E-10	1.59E-08
5666	469579.36	3820005.85	4.46E-08	1.73E-07	2.29E-09	2.20E-07	3.71E-08	1.27E-07	1.64E-09	1.66E-07	4.21E-09	2.23E-08	3.91E-10	2.69E-08	3.83E-09	1.17E-08	1.18E-10	1.56E-08
5667	469570.49	3820002.01	4.38E-08	1.70E-07	2.25E-09	2.16E-07	3.65E-08	1.25E-07	1.62E-09	1.63E-07	4.14E-09	2.19E-08	3.84E-10	2.64E-08	3.76E-09	1.15E-08	1.16E-10	1.53E-08
5668	469561.62	3819998.18	4.30E-08	1.67E-07	2.21E-09	2.12E-07	3.59E-08	1.23E-07	1.59E-09	1.60E-07	4.06E-09	2.15E-08	3.77E-10	2.59E-08	3.70E-09	1.13E-08	1.14E-10	1.51E-08
5669	469552.75	3819994.34	4.23E-08	1.64E-07	2.17E-09	2.08E-07	3.52E-08	1.20E-07	1.56E-09	1.57E-07	3.99E-09	2.11E-08	3.70E-10	2.55E-08	3.63E-09	1.10E-08	1.12E-10	1.48E-08
5670	469540.34	3819981.51	4.13E-08	1.60E-07	2.12E-09	2.04E-07	3.44E-08	1.18E-07	1.52E-09	1.54E-07	3.90E-09	2.06E-08	3.62E-10	2.49E-08	3.54E-09	1.08E-08	1.09E-10	1.44E-08
5671	469536.81	3819972.51	4.11E-08	1.59E-07	2.11E-09	2.02E-07	3.42E-08	1.17E-07	1.51E-09	1.53E-07	3.88E-09	2.05E-08	3.60E-10	2.47E-08	3.53E-09	1.07E-08	1.09E-10	1.44E-08
5672	469533.28	3819963.52	4.08E-08	1.58E-07	2.10E-09	2.01E-07	3.40E-08	1.16E-07	1.51E-09	1.52E-07	3.85E-09	2.04E-08	3.58E-10	2.46E-08	3.50E-09	1.07E-08	1.08E-10	1.43E-08
5673	469529.75	3819954.52	4.06E-08	1.57E-07	2.08E-09	2.00E-07	3.38E-08	1.16E-07	1.50E-09	1.51E-07	3.83E-09	2.02E-08	3.55E-10	2.44E-08	3.48E-09	1.06E-08	1.08E-10	1.42E-08
5674	469526.21	3819945.53	4.03E-08	1.56E-07	2.07E-09	1.98E-07	3.35E-08	1.15E-07	1.48E-09	1.50E-07	3.80E-09	2.01E-08	3.53E-10	2.42E-08	3.46E-09	1.05E-08	1.07E-10	1.41E-08
5675	469522.68	3819936.53	3.99E-08	1.55E-07	2.05E-09	1.97E-07	3.33E-08	1.14E-07	1.47E-09	1.49E-07	3.77E-09	1.99E-08	3.50E-10	2.41E-08	3.43E-09	1.04E-08	1.06E-10	1.40E-08
5676	469519.15	3819927.54	3.96E-08	1.53E-07	2.03E-09	1.95E-07	3.30E-08	1.13E-07	1.46E-09	1.47E-07	3.74E-09	1.98E-08	3.47E-10	2.38E-08	3.40E-09	1.03E-08	1.05E-10	1.38E-08
5677	469515.62	3819918.54	3.92E-08	1.52E-07	2.01E-09	1.93E-07	3.26E-08	1.12E-07	1.44E-09	1.46E-07	3.70E-09	1.96E-08	3.43E-10	2.36E-08	3.36E-09	1.02E-08	1.04E-10	1.37E-08
5678	469512.08	3819909.55	3.88E-08	1.50E-07	1.99E-09	1.91E-07	3.23E-08	1.10E-07	1.43E-09	1.44E-07	3.66E-09	1.94E-08	3.40E-10	2.34E-08	3.33E-09	1.01E-08	1.03E-10	1.36E-08
5679	469508.55	3819900.55	3.83E-08	1.49E-07	1.97E-09	1.89E-07	3.19E-08	1.09E-07	1.41E-09	1.43E-07	3.62E-09	1.91E-08	3.36E-10	2.31E-08	3.29E-09	1.00E-08	1.02E-10	1.34E-08
5680	469505.02	3819891.55	3.79E-08	1.47E-07	1.95E-09	1.87E-07	3.15E-08	1.08E-07	1.40E-09	1.41E-07	3.58E-09	1.89E-08	3.32E-10	2.28E-08	3.25E-09	9.90E-09	1.00E-10	1.32E-08
5681	469501.49	3819882.56	3.74E-08	1.45E-07	1.92E-09	1.84E-07	3.11E-08	1.06E-07	1.38E-09	1.39E-07	3.53E-09	1.87E-08	3.27E-10	2.25E-08	3.21E-09	9.77E-09	9.91E-11	1.31E-08
5682	469497.95	3819873.56	3.68E-08	1.43E-07	1.89E-09	1.82E-07	3.07E-08	1.05E-07	1.36E-09	1.37E-07	3.48E-09	1.84E-08	3.23E-10	2.22E-08	3.16E-09	9.63E-09	9.77E-11	1.29E-08
5683	469494.42	3819864.57	3.63E-08	1.41E-07	1.86E-09	1.79E-07	3.02E-08	1.03E-07	1.34E-09	1.35E-07	3.43E-09	1.81E-08	3.18E-10	2.19E-08	3.12E-09	9.49E-09	9.62E-11	1.27E-08
5684	469490.89	3819855.57	3.57E-08	1.39E-07	1.84E-09	1.76E-07	2.98E-08	1.02E-07	1.32E-09	1.33E-07	3.37E-09	1.78E-08	3.13E-10	2.15E-08	3.07E-09	9.34E-09	9.47E-11	1.25E-08
5685	469487.36	3819846.58	3.51E-08	1.36E-07	1.80E-09	1.73E-07	2.93E-08	1.00E-07	1.30E-09	1.31E-07	3.32E-09	1.75E-08	3.08E-10	2.12E-08	3.02E-09	9.18E-09	9.31E-11	1.23E-08
5686	469444.96	3819738.63	2.66E-08	1.03E-07	1.37E-09	1.31E-07	2.22E-08	7.59E-08	9.82E-10	9.90E-08	2.51E-09	1.33E-08	2.33E-10	1.60E-08	2.29E-09	6.96E-09	7.06E-11	9.32E-09
5687	469441.43	3819729.64	2.59E-08	1.00E-07	1.33E-09	1.28E-07	2.15E-08	7.37E-08	9.54E-10	9.62E-08	2.44E-09	1.29E-08	2.27E-10	1.56E-08	2.22E-09	6.76E-09	6.86E-11	9.05E-09
5688	469437.9	3819720.64	2.51E-08	9.74E-08	1.29E-09	1.24E-07	2.09E-08	7.16E-08	9.26E-10	9.34E-08	2.37E-09	1.25E-08	2.20E-10	1.51E-08	2.16E-09	6.56E-09	6.66E-11	8.79E-09
5689	469434.37	3819711.64	2.44E-08	9.44E-08	1.25E-09	1.20E-07	2.03E-08	6.94E-08	8.98E-10	9.06E-08	2.30E-09	1.22E-08	2.13E-10	1.47E-08	2.09E-09	6.37E-09	6.46E-11	8.52E-09
5690	469430.83	3819702.65	2.36E-08	9.15E-08	1.21E-09	1.16E-07	1.97E-08	6.72E-08	8.70E-10	8.78E-08	2.23E-09	1.18E-08	2.07E-10	1.42E-08	2.03E-09	6.17E-09	6.25E-11	8.26E-09
5691	469427.3	3819693.65	2.28E-08	8.85E-08	1.17E-09	1.13E-07	1.90E-08	6.51E-08	8.42E-10	8.49E-08	2.16E-09	1.14E-08	2.00E-10	1.38E-08	1.96E-09	5.97E-09	6.05E-11	7.99E-09
5692	469423.77	3819684.66	2.21E-08	8.56E-08	1.13E-09	1.09E-07	1.84E-08	6.29E-08	8.14E-10	8.21E-08	2.08E-09	1.10E-08	1.93E-10	1.33E-08	1.89E-09	5.77E-09	5.85E-11	7.72E-09
5693	469420.24	3819675.66	2.13E-08	8.26E-08	1.09E-09	1.05E-07	1.77E-08	6.07E-08	7.86E-10	7.92E-08	2.01E-09	1.06E-08	1.87E-10	1.28E-08	1.83E-09	5.57E-09	5.65E-11	7.45E-09
5694	469416.7	3819666.67	2.06E-08	7.98E-08	1.06E-09	1.01E-07	1.71E-08	5.87E-08	7.59E-10	7.66E-08	1.94E-09	1.03E-08	1.80E-10	1.24E-08	1.77E-09	5.38E-09	5.46E-11	7.20E-09
5695	469413.17	3819657.67	1.99E-08	7.71E-08	1.02E-09	9.80E-08	1.66E-08	5.67E-08	7.33E-10	7.40E-08	1.88E-09	9.93E-09	1.74E-10	1.20E-08	1.71E-09	5.20E-09	5.27E-11	6.96E-09
5696	469409.64	3819648.68	1.92E-08	7.44E-08	9.86E-10	9.46E-08	1.60E-08	5.47E-08	7.08E-10	7.14E-08	1.81E-09	9.58E-09	1.68E-10	1.16E-08	1.65E-09	5.02E-09	5.09E-11	6.72E-09
5697	469406.11	3819639.68	1.85E-08	7.18E-08	9.51E-10	9.13E-08	1.54E-08	5.28E-08	6.83E-10	6.89E-08	1.75E-09	9.25E-09	1.62E-10	1.12E-08	1.59E-09	4.84E-09	4.91E-11	6.48E-09
5698	469402.57	3819630.69	1.79E-08	6.93E-08	9.18E-10	8.80E-08	1.49E-08	5.09E-08	6.59E-10	6.64E-08	1.69E-09	8.92E-09	1.57E-10	1.08E-08	1.53E-09	4.67E-09	4.73E-11	6.25E-09
5699	469399.04	3819621.69	1.72E-08	6.68E-08	8.85E-10	8.49E-08	1.43E-08	4.91E-08	6.35E-10	6.41E-08	1.63E-09	8.60E-09	1.51E-10	1.04E-08	1.48E-09	4.50E-09	4.57E-11	6.03E-09
5700	469395.51	3819612.69	1.66E-08	6.43E-08	8.52E-10	8.18E-08	1.38E-08	4.73E-08	6.12E-10	6.17E-08	1.57E-09	8.28E-09	1.45E-10	1.00E-08	1.42E-09	4.34E-09	4.40E-11	5.81E-09
5701	469391.98	3819603.7	1.60E-08	6.19E-08	8.21E-10	7.87E-08	1.33E-08	4.55E-08	5.89E-10	5.94E-08	1.51E-09	7.97E-09	1.40E-10	9.62E-09	1.37E-09	4.17E-09	4.23E-11	5.59E-09
5702	469388.44	3819594.7	1.54E-08	5.96E-08	7.90E-10	7.58E-08	1.28E-08	4.38E-08	5.67E-10	5.72E-08	1.45E-09	7.67E-09	1.35E-10	9.26E-09	1.32E-09	4.02E-09	4.07E-11	5.38E-09
5703	469384.91	3819585.71	1.48E-08	5.73E-08	7.60E-10	7.29E-08	1.23E-08	4.21E-08	5.45E-10	5.50E-08	1.40E-09	7.38E-09	1.30E-10	8.91E-09	1.27E-09	3.86E-09	3.92E-11	5.17E-09
5704	469381.38	3819576.71	1.42E-08	5.52E-08	7.32E-10	7.02E-08	1.19E-08	4.06E-08	5.25E-10	5.30E-08	1.34E-09	7.11E-09	1.25E-10	8.58E-09	1.22E-09	3.72E-09	3.78E-11	4.98E-09
5705	469377.85	3819567.72	1.37E-08	5.32E-08	7.05E-10	6.76E-08	1.14E-08	3.91E-08	5.06E-10	5.10E-08	1.30E-09	6.85E-09	1.20E-10	8.27E-09	1.18E-09	3.59E-09	3.64E-11	4.80E-09
5706	469374.31	3819558.72	1.32E-08	5.13E-08	6.79E-10	6.52E-08	1.10E-08	3.77E-08	4.88E-10	4.92E-08	1.25E-09	6.60E-09	1.16E-10	7.96E-09	1.13E-09	3.46E-09	3.50E-11	4.63E-09
5707	469370.78	3819549.73	1.27E-08	4.94E-08	6.55E-10	6.28E-08	1.06E-08	3.63E-08	4.70E-10	4.74E-08	1.20E-09	6.36E-09	1.12E-10	7.68E-09	1.09E-09	3.33E-09	3.38E-11	4.46E-09
5708	469367.25	3819540.73	1.23E-08	4.76E-08	6.31E-10	6.05E-08	1.02E-08	3.50E-08	4.53E-10	4.57E-08	1.16E-09	6.13E-09	1.08E-10	7.40E-09	1.05E-09	3.21E-09	3.26E-11	4.30E-09
5709	469363.71	3819531.74	1.18E-08	4.59E-08	6.08E-10	5.84E-08	9.86E-09	3.37E-08	4.37E-10	4.41E-08	1.12E-09	5.91E-09	1.04E-10	7.13E-09	1.02E-09	3.10E-09	3.14E-11	4.14E-09
5710	469360.18	3819522.74	1.14E-08	4.43E-08	5.87E-10	5.63E-08	9.52E-09	3.26E-08	4.21E-10	4.25E-08	1.08E-09	5.70E-09	1.00E-10	6.88E-09	9.81E-10	2.99E-09	3.03E-11	4.00E-09
5711	469356.65	3819513.74	1.10E-08	4.28E-08	5.66E-10	5.43E-08	9.18E-09	3.14E-08	4.07E-10	4.10E-08	1.04E-09	5.50E-09	9.66E-11	6.64E-09	9.46E-10	2.88E-09	2.92E-11	3.86E-09
5712	469353.12	3819504.75	1.06E-08	4.13E-08	5.47E-10	5.25E-08	8.87E-09	3.03E-08	3.93E-10	3.96E-08	1.01E-09	5.31E-09	9.33E-11	6.41E-09	9.14E-10	2.78E-09	2.82E-11	3.72E-09
5713	469349.58	3819495.75	1.03E-08	3.99E-08	5.28E-10	5.07E-08	8.57E-09	2.93E-08	3.79E-10	3.82E-08	9.71E-10	5.13E-09	9.01E-11	6.19E-09	8.83E-10	2.69E-09	2.73E-11	3.60E-09
5714	469346.05	3819486.76	9.94E-09	3.85E-08	5.11E-10	4.90E-08	8.28E-09	2.83E-08	3.66E-10	3.70E-08	9.38E-10	4.96E-09	8.71E-11	5.99E-09	8.53E-10	2.60E-09	2.63E-11	3.48E-09
5715	469342.52	3819477.76	9.61E-09	3.73E-08	4.94E-10	4.74E-08	8.00E-09	2.74E-08	3.54E-10	3.57E-08	9.07E-10	4.80E-09	8.42E-11	5.79E-09	8.25E-10	2.51E-09	2.55E-11	3.36E-09
5716	469338.99	3819468.77	9.30E-09	3.61E-08	4.78E-10	4.59E-08	7.75E-09	2.65E-08	3.43E-10	3.46E-08	8.78E-10	4.64E-09	8.15E-11	5.60E-09	7.98E-10	2.43E-09	2.47E-11	3.25E-09
5717	469335.45	3819459.77	9.00E-09	3.49E-08	4.62E-10	4.44E-08	7.50E-09	2.56E-08	3.32E-10	3.35E-08	8.50E-10	4.49E-09	7.89E-11	5.42E-09	7.73E-10	2.35E-09	2.39E-11	3.15E-09
5718	469331.92	3819450.78	8.70E-09	3.38E-08	4.47E-10	4.29E-08	7.25E-09	2.48E-08	3.21E-10	3.24E-08	8.22E-10	4.35E-09	7.63E-11	5.24E-09	7.47E-10	2.28E-09	2.31E-11	3.05E-09
5719	469328.39	3819441.78	8.43E-09	3.27E-08	4.33E-10	4.16E-08	7.02E-09	2.40E-08	3.11E-10	3.14E-08	7.96E-10	4.21E-09	7.39E-11	5.08E-09	7.24E-10	2.20E-09	2.23E-11	2.95E-09
5720	470093.84	3820228.32	7.04E-08	2.73E-07	3.62E-09	3.47E-07	5.87E-08	2.01E-07	2.60E-09	2.62E-07	6.65E-09	3.52E-08	6.17E-10	4.24E-08	6.05E-09	1.84E-08	1.87E-10	2.46E-08
5721	470103.54	3820228.46	7.02E-08	2.72E-07	3.61E-09	3.46E-07	5.85E-08	2.00E-07	2.59E-09	2.61E-07	6.63E-09	3.50E-08	6.15E-10	4.23E-08	6.03E-09	1.83E-08	1.86E-10	2.46E-08
5722	470113.24	3820228.59	6.99E-08	2.71E-07	3.59E-09	3.45E-07	5.82E-08	1.99E-07	2.58E-09	2.60E-07	6.60E-09	3.49E-08	6.12E-10	4.21E-08	6.00E-09	1.83E-08	1.85E-10	2.45E-08
5723	470122.93	3820228.73	6.95E-08	2.70E-07	3.57E-09	3.43E-07	5.79E-08	1.98E-07	2.56E-09	2.59E-07	6.57E-09	3.47E-08	6.09E-10	4.19E-08	5.97E-09	1.82E-08	1.84E-10	2.43E-08
5724	470132.63	3820228.86	6.91E-08	2.68E-07	3.55E-09	3.41E-07	5.76E-08	1.97E-07	2.55E-09	2.57E-07	6.53E-09	3.45E-08	6.06E-10	4.16E-08	5.93E-09	1.81E-08	1.83E-10	2.42E-08
5725	470142.33	3820229	6.87E-08	2.66E-07	3.53E-09	3.38E-07	5.72E-08	1.96E-07	2.53E-09	2.55E-07	6.48E-09	3.43E-08	6.02E-10	4.14E-08	5.89E-09	1.79E-08	1.82E-10	2.40E-08
5726	470152.03	3820229.13	6.81E-08	2.64E-07	3.50E-09	3.36E-07	5.68E-08	1.94E-07	2.51E-09	2.53E-07	6.43E-09	3.40E-08	5.97E-10	4.10E-08	5.85E-09	1.78E-08	1.81E-10	2.38E-08
5727	470161.72	3820229.27	6.76E-08	2.62E-07	3.47E-09	3.33E-07	5.63E-08	1.93E-07	2.49E-09	2.51E-07	6.38E-09	3.37E-08	5.92E-10	4.07E-08	5.80E-09	1.77E-08	1.79E-10	2.36E-08
5728	470171.42	3820229.4	6.70E-08	2.60E-07	3.44E-09	3.30E-07	5.58E-08	1.91E-07	2.47E-09	2.49E-07	6.32E-09	3.34E-08	5.87E-10	4.03E-08	5.75E-09	1.75E-08	1.78E-10	2.34E-08
5729	470181.12	3820229.54	6.63E-08	2.57E-07	3.41E-09	3.27E-07	5.52E-08	1.89E-07	2.45E-09	2.47E-07	6.26E-09	3.31E-08	5.81E-10	4.00E-08	5.69E-09	1.73E-08	1.76E-10	2.32E-08
5730	470190.81	3820229.67	6.57E-08	2.55E-07	3.37E-09	3.24E-07	5.47E-08	1.87E-07	2.42E-09	2.44E-07	6.20E-09	3.28E-08	5.75E-10	3.96E-08	5.64E-09	1.72E-08	1.74E-10	2.30E-08
5731	470200.51	3820229.81	6.50E-08	2.52E-07	3.34E-09	3.20E-07	5.41E-08	1.85E-07	2.40E-09	2.42E-07	6.14E-09	3.24E-08	5.69E-10	3.91E-08	5.58E-09	1.70E-08	1.72E-10	2.27E-08
5732	470210.21	3820229.94	6.43E-08	2.49E-07	3.30E-09	3.17E-07	5.35E-08	1.83E-07	2.37E-09	2.39E-07	6.07E-09	3.21E-08	5.63E-10	3.87E-08	5.52E-09	1.68E-08	1.70E-10	2.25E-08
5733	470219.91	3820230.08	6.35E-08	2.46E-07	3.26E-09	3.13E-07	5.29E-08	1.81E-07	2.34E-09	2.36E-07	6.00E-09	3.17E-08	5.57E-10	3.83E-08	5.45E-09	1.66E-08	1.68E-10	2.22E-08
5734	470229.6	3820230.21	6.28E-08	2.44E-07	3.23E-09	3.10E-07	5.23E-08	1.79E-07	2.32E-09	2.34E-07	5.93E-09	3.14E-08	5.50E-10	3.78E-08	5.39E-09	1.64E-08	1.67E-10	2.20E-08
5735	470239.3	3820230.35	6.21E-08	2.41E-07	3.19E-09	3.06E-07	5.17E-08	1.77E-07	2.29E-09	2.31E-07	5.86E-09	3.10E-08	5.44E-10	3.74E-08	5.33E-09	1.62E-08	1.65E-10	2.17E-08
5736	470249	3820230.48	6.14E-08	2.38E-07	3.15E-09	3.03E-07	5.11E-08	1.75E-07	2.26E-09	2.28E-07	5.80E-09	3.06E-08	5.38E-10	3.70E-08	5.27E-09	1.60E-08	1.63E-10	2.15E-08
5737	470258.7	3820230.62	6.07E-08	2.35E-07	3.12E-09	2.99E-07	5.05E-08	1.73E-07	2.24E-09	2.26E-07	5.73E-09	3.03E-08	5.32E-10	3.65E-08	5.21E-09	1.59E-08	1.61E-10	2.12E-08
5738	470268.39	3820230.75	5.99E-08	2.32E-07	3.08E-09	2.95E-07	4.99E-08	1.71E-07	2.21E-09	2.23E-07	5.66E-09	2.99E-08	5.25E-10	3.61E-08	5.15E-09	1.57E-08	1.59E-10	2.10E-08
5739	470083.94	3820304.52	6.08E-08	2.36E-07	3.12E-09	3.00E-07	5.06E-08	1.73E-07	2.24E-09	2.26E-07	5.74E-09	3.03E-08	5.33E-10	3.66E-08	5.22E-09	1.59E-08	1.61E-10	2.13E-08
5740	470075.15	3820300.72	6.13E-08	2.38E-07	3.15E-09	3.02E-07	5.11E-08	1.75E-07	2.26E-09	2.28E-07	5.79E-09	3.06E-08	5.37E-10	3.70E-08	5.27E-09	1.60E-08	1.63E-10	2.15E-08
5741	470066.36	3820296.92	6.18E-08	2.40E-07	3.18E-09	3.05E-07	5.15E-08	1.76E-07	2.28E-09	2.30E-07	5.84E-09	3.09E-08	5.42E-10	3.73E-08	5.31E-09	1.62E-08	1.64E-10	2.16E-08
5742	470057.58	3820293.12	6.23E-08	2.42E-07	3.20E-09	3.07E-07	5.19E-08	1.78E-07	2.30E-09	2.32E-07	5.88E-09	3.11E-08	5.46E-10	3.75E-08	5.35E-09	1.63E-08	1.65E-10	2.18E-08
5743	470048.79	3820289.32	6.27E-08	2.43E-07	3.22E-09	3.09E-07	5.23E-08	1.79E-07	2.31E-09	2.33E-07	5.93E-09	3.13E-08	5.50E-10	3.78E-08	5.39E-09	1.64E-08	1.66E-10	2.20E-08
5744	470040	3820285.52	6.31E-08	2.45E-07	3.24E-09	3.11E-07	5.26E-08	1.80E-07	2.33E-09	2.35E-07	5.96E-09	3.15E-08	5.53E-10	3.80E-08	5.42E-09	1.65E-08	1.67E-10	2.21E-08
5745	470031.21	3820281.72	6.34E-08	2.46E-07	3.26E-09	3.13E-07	5.28E-08	1.81E-07	2.34E-09	2.36E-07	5.99E-09	3.17E-08	5.56E-10	3.82E-08	5.45E-09	1.66E-08	1.68E-10	2.22E-08
5746	470022.42	3820277.92	6.37E-08	2.47E-07	3.27E-09	3.14E-07	5.31E-08	1.82E-07	2.35E-09	2.37E-07	6.02E-09	3.18E-08	5.58E-10	3.84E-08	5.47E-09	1.67E-08	1.69E-10	2.23E-08
5747	470013.64	3820274.12	6.39E-08	2.48E-07	3.28E-09	3.15E-07	5.32E-08	1.82E-07	2.36E-09	2.38E-07	6.04E-09	3.19E-08	5.60E-10	3.85E-08	5.49E-09	1.67E-08	1.69E-10	2.24E-08
5748	470004.85	3820270.31	6.41E-08	2.49E-07	3.29E-09	3.16E-07	5.34E-08	1.83E-07	2.36E-09	2.38E-07	6.05E-09	3.20E-08	5.62E-10	3.86E-08	5.50E-09	1.68E-08	1.70E-10	2.24E-08
5749	469996.06	3820266.51	6.42E-08	2.49E-07	3.30E-09	3.17E-07	5.35E-08	1.83E-07	2.37E-09	2.39E-07	6.07E-09	3.21E-08	5.63E-10	3.87E-08	5.51E-09	1.68E-08	1.70E-10	2.25E-08
5750	469952.12	3820247.51	6.40E-08	2.48E-07	3.29E-09	3.15E-07	5.33E-08	1.82E-07	2.36E-09	2.38E-07	6.04E-09	3.20E-08	5.61E-10	3.86E-08	5.49E-09	1.67E-08	1.70E-10	2.24E-08
5751	469943.33	3820243.71	6.38E-08	2.47E-07	3.28E-09	3.15E-07	5.31E-08	1.82E-07	2.35E-09	2.37E-07	6.02E-09	3.19E-08	5.59E-10	3.84E-08	5.48E-09	1.67E-08	1.69E-10	2.23E-08
5752	469934.54	3820239.91	6.36E-08	2.47E-07	3.27E-09	3.13E-07	5.29E-08	1.81E-07	2.34E-09	2.36E-07	6.00E-09	3.17E-08	5.57E-10	3.83E-08	5.46E-09	1.66E-08	1.69E-10	2.22E-08
5753	469925.76	3820236.11	6.33E-08	2.45E-07	3.25E-09	3.12E-07	5.27E-08	1.80E-07	2.33E-09	2.35E-07	5.98E-09	3.16E-08	5.55E-10	3.81E-08	5.43E-09	1.65E-08	1.68E-10	2.21E-08
5754	469916.97	3820232.31	6.29E-08	2.44E-07	3.23E-09	3.10E-07	5.24E-08	1.79E-07	2.32E-09	2.34E-07	5.94E-09	3.14E-08	5.52E-10	3.79E-08	5.40E-09	1.65E-08	1.67E-10	2.20E-08
5755	469908.18	3820228.51	6.26E-08	2.43E-07	3.21E-09	3.08E-07	5.21E-08	1.78E-07	2.31E-09	2.33E-07	5.91E-09	3.12E-08	5.48E-10	3.77E-08	5.37E-09	1.64E-08	1.66E-10	2.19E-08
5756	469899.39	3820224.71	6.22E-08	2.41E-07	3.19E-09	3.06E-07	5.18E-08	1.77E-07	2.29E-09	2.31E-07	5.87E-09	3.10E-08	5.45E-10	3.74E-08	5.34E-09	1.62E-08	1.65E-10	2.17

5757	469890.6	3820220.91	6.17E-08	2.39E-07	3.17E-09	3.04E-07	5.14E-08	1.76E-07	2.28E-09	2.30E-07	5.83E-09	3.08E-08	5.41E-10	3.72E-08	5.30E-09	1.61E-08	1.64E-10	2.16E-08
5758	469881.82	3820217.11	6.13E-08	2.38E-07	3.15E-09	3.02E-07	5.10E-08	1.75E-07	2.26E-09	2.28E-07	5.79E-09	3.06E-08	5.37E-10	3.69E-08	5.26E-09	1.60E-08	1.62E-10	2.14E-08
5759	469873.03	3820213.31	6.08E-08	2.36E-07	3.12E-09	3.00E-07	5.06E-08	1.73E-07	2.24E-09	2.26E-07	5.74E-09	3.04E-08	5.33E-10	3.66E-08	5.22E-09	1.59E-08	1.61E-10	2.13E-08
5760	469864.24	3820209.51	6.03E-08	2.34E-07	3.10E-09	2.97E-07	5.02E-08	1.72E-07	2.22E-09	2.24E-07	5.69E-09	3.01E-08	5.28E-10	3.63E-08	5.17E-09	1.58E-08	1.60E-10	2.11E-08
5761	469855.45	3820205.71	5.97E-08	2.32E-07	3.07E-09	2.94E-07	4.98E-08	1.70E-07	2.20E-09	2.22E-07	5.64E-09	2.98E-08	5.23E-10	3.60E-08	5.13E-09	1.56E-08	1.58E-10	2.09E-08
5762	469846.66	3820201.91	5.92E-08	2.29E-07	3.04E-09	2.92E-07	4.93E-08	1.69E-07	2.18E-09	2.20E-07	5.59E-09	2.95E-08	5.19E-10	3.56E-08	5.08E-09	1.55E-08	1.57E-10	2.07E-08
5763	469837.88	3820198.11	5.86E-08	2.27E-07	3.01E-09	2.89E-07	4.88E-08	1.67E-07	2.16E-09	2.18E-07	5.53E-09	2.93E-08	5.13E-10	3.53E-08	5.03E-09	1.53E-08	1.55E-10	2.05E-08
5764	469829.09	3820194.31	5.80E-08	2.25E-07	2.98E-09	2.86E-07	4.83E-08	1.65E-07	2.14E-09	2.16E-07	5.48E-09	2.90E-08	5.08E-10	3.50E-08	4.98E-09	1.52E-08	1.54E-10	2.03E-08
5765	469820.3	3820190.51	5.74E-08	2.23E-07	2.95E-09	2.83E-07	4.78E-08	1.64E-07	2.12E-09	2.14E-07	5.42E-09	2.87E-08	5.03E-10	3.46E-08	4.93E-09	1.50E-08	1.52E-10	2.01E-08
5766	469811.51	3820186.71	5.68E-08	2.20E-07	2.92E-09	2.80E-07	4.73E-08	1.62E-07	2.10E-09	2.11E-07	5.36E-09	2.84E-08	4.98E-10	3.42E-08	4.88E-09	1.49E-08	1.51E-10	1.99E-08
5767	469802.72	3820182.91	5.62E-08	2.18E-07	2.89E-09	2.77E-07	4.68E-08	1.60E-07	2.07E-09	2.09E-07	5.31E-09	2.81E-08	4.93E-10	3.39E-08	4.83E-09	1.47E-08	1.49E-10	1.97E-08
5768	469793.94	3820179.11	5.56E-08	2.16E-07	2.86E-09	2.74E-07	4.63E-08	1.58E-07	2.05E-09	2.07E-07	5.25E-09	2.78E-08	4.87E-10	3.35E-08	4.77E-09	1.45E-08	1.47E-10	1.95E-08
5769	469785.15	3820175.31	5.50E-08	2.13E-07	2.83E-09	2.71E-07	4.58E-08	1.57E-07	2.03E-09	2.05E-07	5.19E-09	2.75E-08	4.82E-10	3.31E-08	4.72E-09	1.44E-08	1.46E-10	1.92E-08
5770	469776.36	3820171.51	5.44E-08	2.11E-07	2.79E-09	2.68E-07	4.53E-08	1.55E-07	2.01E-09	2.02E-07	5.14E-09	2.72E-08	4.77E-10	3.28E-08	4.67E-09	1.42E-08	1.44E-10	1.90E-08
5771	469767.57	3820167.71	5.38E-08	2.09E-07	2.76E-09	2.65E-07	4.48E-08	1.53E-07	1.98E-09	2.00E-07	5.08E-09	2.69E-08	4.71E-10	3.24E-08	4.62E-09	1.41E-08	1.43E-10	1.88E-08
5772	469758.78	3820163.91	5.32E-08	2.06E-07	2.73E-09	2.62E-07	4.43E-08	1.52E-07	1.96E-09	1.98E-07	5.02E-09	2.66E-08	4.66E-10	3.20E-08	4.57E-09	1.39E-08	1.41E-10	1.86E-08
5773	469750	3820160.11	5.26E-08	2.04E-07	2.70E-09	2.59E-07	4.38E-08	1.50E-07	1.94E-09	1.96E-07	4.97E-09	2.63E-08	4.61E-10	3.17E-08	4.52E-09	1.38E-08	1.39E-10	1.84E-08
5774	469741.21	3820156.31	5.20E-08	2.02E-07	2.67E-09	2.56E-07	4.33E-08	1.48E-07	1.92E-09	1.93E-07	4.91E-09	2.60E-08	4.56E-10	3.13E-08	4.47E-09	1.36E-08	1.38E-10	1.82E-08
5775	469732.42	3820152.51	5.14E-08	1.99E-07	2.64E-09	2.54E-07	4.28E-08	1.47E-07	1.90E-09	1.91E-07	4.86E-09	2.57E-08	4.51E-10	3.10E-08	4.41E-09	1.34E-08	1.36E-10	1.80E-08
5776	469723.63	3820148.71	5.08E-08	1.97E-07	2.61E-09	2.51E-07	4.24E-08	1.45E-07	1.88E-09	1.89E-07	4.80E-09	2.54E-08	4.46E-10	3.06E-08	4.36E-09	1.33E-08	1.35E-10	1.78E-08
5777	469714.84	3820144.91	5.03E-08	1.95E-07	2.58E-09	2.48E-07	4.19E-08	1.43E-07	1.85E-09	1.87E-07	4.75E-09	2.51E-08	4.41E-10	3.03E-08	4.32E-09	1.31E-08	1.33E-10	1.76E-08
5778	469706.06	3820141.11	4.97E-08	1.93E-07	2.55E-09	2.45E-07	4.14E-08	1.42E-07	1.83E-09	1.85E-07	4.69E-09	2.48E-08	4.36E-10	2.99E-08	4.27E-09	1.30E-08	1.32E-10	1.74E-08
5779	469521.51	3820061.31	3.80E-08	1.47E-07	1.95E-09	1.87E-07	3.16E-08	1.08E-07	1.40E-09	1.41E-07	3.59E-09	1.90E-08	3.33E-10	2.29E-08	3.26E-09	9.93E-09	1.01E-10	1.33E-08
5780	469512.72	3820057.51	3.74E-08	1.45E-07	1.92E-09	1.84E-07	3.11E-08	1.07E-07	1.38E-09	1.39E-07	3.53E-09	1.87E-08	3.28E-10	2.25E-08	3.21E-09	9.77E-09	9.91E-11	1.31E-08
5781	469503.93	3820053.71	3.68E-08	1.43E-07	1.89E-09	1.81E-07	3.06E-08	1.05E-07	1.36E-09	1.37E-07	3.47E-09	1.84E-08	3.22E-10	2.22E-08	3.16E-09	9.62E-09	9.75E-11	1.29E-08
5782	469495.14	3820049.91	3.62E-08	1.40E-07	1.86E-09	1.78E-07	3.01E-08	1.03E-07	1.33E-09	1.35E-07	3.42E-09	1.81E-08	3.17E-10	2.18E-08	3.11E-09	9.46E-09	9.59E-11	1.27E-08
5783	469482.86	3820037.19	3.54E-08	1.37E-07	1.82E-09	1.75E-07	2.95E-08	1.01E-07	1.31E-09	1.32E-07	3.34E-09	1.77E-08	3.10E-10	2.13E-08	3.04E-09	9.26E-09	9.39E-11	1.24E-08
5784	469472.36	3820010.46	3.48E-08	1.35E-07	1.79E-09	1.72E-07	2.90E-08	9.93E-08	1.29E-09	1.30E-07	3.29E-09	1.74E-08	3.05E-10	2.10E-08	2.99E-09	9.11E-09	9.24E-11	1.22E-08
5785	469468.86	3820001.55	3.46E-08	1.34E-07	1.78E-09	1.71E-07	2.88E-08	9.86E-08	1.28E-09	1.29E-07	3.27E-09	1.73E-08	3.03E-10	2.08E-08	2.97E-09	9.05E-09	9.17E-11	1.21E-08
5786	469465.36	3819992.63	3.44E-08	1.33E-07	1.77E-09	1.69E-07	2.86E-08	9.79E-08	1.27E-09	1.28E-07	3.24E-09	1.72E-08	3.01E-10	2.07E-08	2.95E-09	8.98E-09	9.11E-11	1.20E-08
5787	469461.86	3819983.72	3.41E-08	1.32E-07	1.75E-09	1.68E-07	2.84E-08	9.71E-08	1.26E-09	1.27E-07	3.22E-09	1.70E-08	2.99E-10	2.05E-08	2.93E-09	8.91E-09	9.03E-11	1.19E-08
5788	469458.36	3819974.81	3.38E-08	1.31E-07	1.74E-09	1.67E-07	2.81E-08	9.63E-08	1.25E-09	1.26E-07	3.19E-09	1.69E-08	2.96E-10	2.04E-08	2.90E-09	8.83E-09	8.96E-11	1.18E-08
5789	469454.86	3819965.9	3.35E-08	1.30E-07	1.72E-09	1.65E-07	2.79E-08	9.54E-08	1.23E-09	1.24E-07	3.16E-09	1.67E-08	2.93E-10	2.02E-08	2.87E-09	8.75E-09	8.87E-11	1.17E-08
5790	469398.86	3819823.31	2.59E-08	1.01E-07	1.33E-09	1.28E-07	2.16E-08	7.39E-08	9.57E-10	9.65E-08	2.45E-09	1.30E-08	2.27E-10	1.56E-08	2.23E-09	6.78E-09	6.88E-11	9.08E-09
5791	469395.36	3819814.4	2.54E-08	9.83E-08	1.30E-09	1.25E-07	2.11E-08	7.23E-08	9.35E-10	9.43E-08	2.39E-09	1.27E-08	2.22E-10	1.53E-08	2.18E-09	6.63E-09	6.72E-11	8.87E-09
5792	469391.86	3819805.48	2.48E-08	9.60E-08	1.27E-09	1.22E-07	2.06E-08	7.06E-08	9.13E-10	9.21E-08	2.34E-09	1.24E-08	2.17E-10	1.49E-08	2.13E-09	6.47E-09	6.56E-11	8.66E-09
5793	469388.36	3819796.57	2.41E-08	9.36E-08	1.24E-09	1.19E-07	2.01E-08	6.88E-08	8.90E-10	8.98E-08	2.28E-09	1.21E-08	2.12E-10	1.45E-08	2.07E-09	6.31E-09	6.40E-11	8.45E-09
5794	469384.86	3819787.66	2.35E-08	9.13E-08	1.21E-09	1.16E-07	1.96E-08	6.71E-08	8.68E-10	8.76E-08	2.22E-09	1.18E-08	2.06E-10	1.42E-08	2.02E-09	6.16E-09	6.24E-11	8.24E-09
5795	469381.36	3819778.75	2.29E-08	8.90E-08	1.18E-09	1.13E-07	1.91E-08	6.54E-08	8.46E-10	8.54E-08	2.17E-09	1.15E-08	2.01E-10	1.38E-08	1.97E-09	6.00E-09	6.08E-11	8.03E-09
5796	469377.86	3819769.84	2.23E-08	8.66E-08	1.15E-09	1.10E-07	1.86E-08	6.37E-08	8.24E-10	8.31E-08	2.11E-09	1.12E-08	1.96E-10	1.35E-08	1.92E-09	5.84E-09	5.92E-11	7.82E-09
5797	469374.36	3819760.92	2.17E-08	8.43E-08	1.12E-09	1.07E-07	1.81E-08	6.19E-08	8.01E-10	8.08E-08	2.05E-09	1.09E-08	1.90E-10	1.31E-08	1.87E-09	5.68E-09	5.76E-11	7.60E-09
5798	469370.86	3819752.01	2.11E-08	8.20E-08	1.09E-09	1.04E-07	1.76E-08	6.02E-08	7.79E-10	7.86E-08	2.00E-09	1.06E-08	1.85E-10	1.27E-08	1.81E-09	5.52E-09	5.60E-11	7.39E-09
5799	469367.36	3819743.1	2.05E-08	7.96E-08	1.06E-09	1.01E-07	1.71E-08	5.85E-08	7.57E-10	7.64E-08	1.94E-09	1.03E-08	1.80E-10	1.24E-08	1.76E-09	5.37E-09	5.44E-11	7.19E-09
5800	469363.86	3819734.19	1.99E-08	7.73E-08	1.02E-09	9.83E-08	1.66E-08	5.68E-08	7.35E-10	7.42E-08	1.88E-09	9.96E-09	1.75E-10	1.20E-08	1.71E-09	5.21E-09	5.29E-11	6.98E-09
5801	469360.36	3819725.28	1.94E-08	7.51E-08	9.94E-10	9.54E-08	1.61E-08	5.51E-08	7.14E-10	7.20E-08	1.83E-09	9.66E-09	1.70E-10	1.17E-08	1.66E-09	5.06E-09	5.13E-11	6.77E-09
5802	469356.86	3819716.36	1.88E-08	7.28E-08	9.64E-10	9.25E-08	1.56E-08	5.35E-08	6.92E-10	6.98E-08	1.77E-09	9.37E-09	1.64E-10	1.13E-08	1.61E-09	4.91E-09	4.97E-11	6.57E-09
5803	469353.37	3819707.45	1.82E-08	7.06E-08	9.35E-10	8.97E-08	1.52E-08	5.18E-08	6.71E-10	6.77E-08	1.72E-09	9.08E-09	1.59E-10	1.10E-08	1.56E-09	4.76E-09	4.82E-11	6.37E-09
5804	469349.87	3819698.54	1.76E-08	6.83E-08	9.05E-10	8.68E-08	1.47E-08	5.02E-08	6.49E-10	6.55E-08	1.66E-09	8.79E-09	1.54E-10	1.06E-08	1.51E-09	4.60E-09	4.67E-11	6.16E-09
5805	469346.37	3819689.63	1.70E-08	6.60E-08	8.75E-10	8.39E-08	1.42E-08	4.85E-08	6.28E-10	6.33E-08	1.61E-09	8.50E-09	1.49E-10	1.03E-08	1.46E-09	4.45E-09	4.51E-11	5.96E-09
5806	469342.87	3819680.72	1.65E-08	6.38E-08	8.46E-10	8.11E-08	1.37E-08	4.69E-08	6.07E-10	6.12E-08	1.55E-09	8.22E-09	1.44E-10	9.92E-09	1.41E-09	4.30E-09	4.36E-11	5.76E-09
5807	469339.37	3819671.81	1.59E-08	6.17E-08	8.18E-10	7.84E-08	1.33E-08	4.53E-08	5.87E-10	5.92E-08	1.50E-09	7.94E-09	1.39E-10	9.59E-09	1.37E-09	4.16E-09	4.22E-11	5.57E-09
5808	469335.87	3819662.89	1.54E-08	5.97E-08	7.91E-10	7.59E-08	1.28E-08	4.39E-08	5.68E-10	5.72E-08	1.45E-09	7.68E-09	1.35E-10	9.27E-09	1.32E-09	4.02E-09	4.08E-11	5.38E-09
5809	469332.37	3819653.98	1.49E-08	5.77E-08	7.64E-10	7.33E-08	1.24E-08	4.24E-08	5.49E-10	5.53E-08	1.40E-09	7.43E-09	1.30E-10	8.96E-09	1.28E-09	3.89E-09	3.94E-11	5.21E-09
5810	469328.87	3819645.07	1.44E-08	5.58E-08	7.39E-10	7.09E-08	1.20E-08	4.10E-08	5.30E-10	5.35E-08	1.36E-09	7.18E-09	1.26E-10	8.66E-09	1.23E-09	3.76E-09	3.81E-11	5.03E-09
5811	469325.37	3819636.16	1.39E-08	5.39E-08	7.14E-10	6.85E-08	1.16E-08	3.96E-08	5.12E-10	5.17E-08	1.31E-09	6.93E-09	1.22E-10	8.37E-09	1.19E-09	3.63E-09	3.68E-11	4.86E-09
5812	469321.87	3819627.25	1.34E-08	5.20E-08	6.89E-10	6.61E-08	1.12E-08	3.82E-08	4.95E-10	4.99E-08	1.27E-09	6.70E-09	1.18E-10	8.08E-09	1.15E-09	3.51E-09	3.56E-11	4.69E-09
5813	469318.37	3819618.33	1.30E-08	5.03E-08	6.66E-10	6.39E-08	1.08E-08	3.69E-08	4.78E-10	4.82E-08	1.22E-09	6.47E-09	1.14E-10	7.81E-09	1.11E-09	3.39E-09	3.44E-11	4.54E-09
5814	469314.87	3819609.42	1.25E-08	4.85E-08	6.43E-10	6.17E-08	1.04E-08	3.56E-08	4.61E-10	4.65E-08	1.18E-09	6.24E-09	1.10E-10	7.54E-09	1.07E-09	3.27E-09	3.32E-11	4.38E-09
5815	469311.37	3819600.51	1.21E-08	4.68E-08	6.20E-10	5.95E-08	1.01E-08	3.44E-08	4.45E-10	4.49E-08	1.14E-09	6.03E-09	1.06E-10	7.27E-09	1.04E-09	3.15E-09	3.20E-11	4.22E-09
5816	469307.87	3819591.6	1.16E-08	4.52E-08	5.98E-10	5.74E-08	9.70E-09	3.32E-08	4.29E-10	4.33E-08	1.10E-09	5.81E-09	1.02E-10	7.01E-09	1.00E-09	3.04E-09	3.09E-11	4.07E-09
5817	469304.37	3819582.69	1.12E-08	4.36E-08	5.77E-10	5.54E-08	9.36E-09	3.20E-08	4.15E-10	4.18E-08	1.06E-09	5.61E-09	9.85E-11	6.77E-09	9.65E-10	2.94E-09	2.98E-11	3.93E-09
5818	469300.87	3819573.77	1.09E-08	4.21E-08	5.58E-10	5.35E-08	9.05E-09	3.10E-08	4.01E-10	4.04E-08	1.03E-09	5.42E-09	9.52E-11	6.54E-09	9.32E-10	2.84E-09	2.88E-11	3.80E-09
5819	469297.37	3819564.86	1.05E-08	4.07E-08	5.39E-10	5.17E-08	8.74E-09	2.99E-08	3.87E-10	3.90E-08	9.91E-10	5.24E-09	9.20E-11	6.32E-09	9.01E-10	2.74E-09	2.78E-11	3.67E-09
5820	469293.87	3819555.95	1.01E-08	3.93E-08	5.21E-10	5.00E-08	8.45E-09	2.89E-08	3.74E-10	3.77E-08	9.58E-10	5.06E-09	8.89E-11	6.11E-09	8.71E-10	2.65E-09	2.69E-11	3.55E-09
5821	469290.37	3819547.04	9.81E-09	3.80E-08	5.04E-10	4.84E-08	8.17E-09	2.80E-08	3.62E-10	3.65E-08	9.26E-10	4.90E-09	8.60E-11	5.91E-09	8.42E-10	2.56E-09	2.60E-11	3.43E-09
5822	469286.87	3819538.13	9.49E-09	3.68E-08	4.88E-10	4.68E-08	7.90E-09	2.70E-08	3.50E-10	3.53E-08	8.96E-10	4.74E-09	8.32E-11	5.72E-09	8.15E-10	2.48E-09	2.52E-11	3.32E-09
5823	469283.37	3819529.21	9.18E-09	3.56E-08	4.72E-10	4.53E-08	7.65E-09	2.62E-08	3.39E-10	3.42E-08	8.67E-10	4.59E-09	8.05E-11	5.53E-09	7.88E-10	2.40E-09	2.43E-11	3.21E-09
5824	469279.87	3819520.3	8.89E-09	3.45E-08	4.57E-10	4.38E-08	7.41E-09	2.53E-08	3.28E-10	3.31E-08	8.40E-10	4.44E-09	7.79E-11	5.36E-09	7.64E-10	2.33E-09	2.36E-11	3.11E-09
5825	469276.37	3819511.39	8.62E-09	3.34E-08	4.43E-10	4.25E-08	7.18E-09	2.46E-08	3.18E-10	3.21E-08	8.14E-10	4.30E-09	7.55E-11	5.19E-09	7.40E-10	2.25E-09	2.28E-11	3.02E-09
5826	469272.87	3819502.48	8.35E-09	3.24E-08	4.29E-10	4.12E-08	6.96E-09	2.38E-08	3.08E-10	3.11E-08	7.89E-10	4.17E-09	7.32E-11	5.03E-09	7.17E-10	2.18E-09	2.21E-11	2.92E-09
5827	469269.37	3819493.57	8.10E-09	3.14E-08	4.16E-10	3.99E-08	6.74E-09	2.31E-08	2.99E-10	3.01E-08	7.65E-10	4.04E-09	7.10E-11	4.88E-09	6.95E-10	2.12E-09	2.15E-11	2.83E-09
5828	469265.87	3819484.66	7.85E-09	3.04E-08	4.03E-10	3.87E-08	6.54E-09	2.24E-08	2.89E-10	2.92E-08	7.41E-10	3.92E-09	6.88E-11	4.73E-09	6.74E-10	2.05E-09	2.08E-11	2.75E-09
5829	469262.37	3819475.74	7.61E-09	2.95E-08	3.91E-10	3.75E-08	6.34E-09	2.17E-08	2.81E-10	2.83E-08	7.18E-10	3.80E-09	6.67E-11	4.58E-09	6.53E-10	1.99E-09	2.02E-11	2.66E-09
5830	469258.87	3819466.83	7.38E-09	2.86E-08	3.79E-10	3.64E-08	6.15E-09	2.10E-08	2.72E-10	2.75E-08	6.97E-10	3.69E-09	6.47E-11	4.45E-09	6.34E-10	1.93E-09	1.96E-11	2.58E-09
5831	469255.37	3819457.92	7.17E-09	2.78E-08	3.69E-10	3.54E-08	5.98E-09	2.04E-08	2.65E-10	2.67E-08	6.77E-10	3.58E-09	6.29E-11	4.32E-09	6.16E-10	1.88E-09	1.90E-11	2.51E-09
5832	469251.87	3819449.01	6.97E-09	2.70E-08	3.58E-10	3.44E-08	5.81E-09	1.99E-08	2.57E-10	2.59E-08	6.59E-10	3.48E-09	6.11E-11	4.20E-09	5.99E-10	1.82E-09	1.85E-11	2.44E-09
5833	469248.37	3819440.1	6.79E-09	2.63E-08	3.49E-10	3.35E-08	5.65E-09	1.93E-08	2.50E-10	2.53E-08	6.41E-10	3.39E-09	5.95E-11	4.09E-09	5.83E-10	1.77E-09	1.80E-11	2.38E-09
5834	470092.73	3820308.32	6.02E-08	2.33E-07	3.09E-09	2.97E-07	5.01E-08	1.71E-07	2.22E-09	2.24E-07	5.68E-09	3.00E-08	5.27E-10	3.63E-08	5.17E-09	1.57E-08	1.60E-10	2.11E-08
5835	470102.43	3820308.45	5.99E-08	2.32E-07	3.08E-09	2.95E-07	4.99E-08	1.71E-07	2.21E-09	2.23E-07	5.66E-09	2.99E-08	5.25E-10	3.61E-08	5.14E-09	1.57E-08	1.59E-10	2.10E-08
5836	470112.12	3820308.59	5.96E-08	2.31E-07	3.06E-09	2.94E-07	4.97E-08	1.70E-07	2.20E-09	2.22E-07	5.63E-09	2.98E-08	5.23E-10	3.59E-08	5.12E-09	1.56E-08	1.58E-10	2.09E-08
5837	470121.82	3820308.72	5.93E-08	2.30E-07	3.05E-09	2.92E-07	4.94E-08	1.69E-07	2.19E-09	2.21E-07	5.60E-09	2.96E-08	5.20E-10	3.57E-08	5.09E-09	1.55E-08	1.57E-10	2.08E-08
5838	470131.52	3820308.86	5.90E-08	2.29E-07	3.03E-09	2.91E-07	4.91E-08	1.68E-07	2.17E-09	2.19E-07	5.57E-09	2.94E-08	5.17E-10	3.55E-08	5.06E-09	1.54E-08	1.56E-10	2.06E-08
5839	470141.21	3820308.99	5.86E-08	2.27E-07	3.01E-09	2.89E-07	4.88E-08	1.67E-07	2.16E-09	2.18E-07	5.53E-09	2.92E-08	5.13E-10	3.53E-08	5.03E-09	1.53E-08	1.55E-10	2.05E-08
5840	470150.91	3820309.13	5.81E-08	2.25E-07	2.99E-09	2.86E-07	4.84E-08	1.66E-07	2.14E-09	2.16E-07	5.49E-09	2.90E-08	5.09E-10	3.50E-08	4.99E-09	1.52E-08	1.54E-10	2.03E-08
5841	470160.61	3820309.26	5.76E-08	2.23E-07	2.96E-09	2.84E-07	4.80E-08	1.64E-07	2.13E-09	2.14E-07	5.44E-09	2.88E-08	5.05E-10	3.47E-08	4.95E-09	1.51E-08	1.53E-10	2.02E-08
5842	470170.31	3820309.4	5.71E-08	2.22E-07	2.93E-09	2.82E-07	4.76E-08	1.63E-07	2.11E-09	2.12E-07	5.39E-09	2.85E-08	5.00E-10	3.44E-08	4.90E-09	1.49E-08	1.51E-10	2.00E-08
5843	470180	3820309.53	5.66E-08	2.19E-07	2.91E-09	2.79E-07	4.71E-08	1.61E-07	2.09E-09	2.10E-07	5.34E-09	2.82E-08	4.96E-10	3.41E-08	4.86E-09	1.48E-08	1.50E-10	1.98E-08
5844	470189.7	3820309.67	5.60E-08	2.17E-07	2.88E-09	2.76E-07	4.66E-08	1.60E-07	2.06E-09	2.08E-07	5.29E-09	2.79E-08	4.91E-10	3.37E-08	4.81E-09	1.46E-08	1.48E-10	1.96E-08
5845	470199.4	3820309.8	5.54E-08	2.15E-07	2.85E-09	2.73E-07	4.61E-08	1.58E-07	2.04E-09	2.06E-07	5.23E-09	2.77E-08	4.85E-10	3.34E-08	4.75E-09	1.45E-08	1.47E-10	1.94E-08
5846	470209.1	3820309.94	5.48E-08	2.13E-07	2.82E-09	2.70E-07	4.56E-08	1.56E-07	2.02E-09	2.04E-07	5.18E-09	2.74E-08	4.80E-10	3.30E-08	4.70E-09	1.43E-08	1.45E-10	1.92E-08
5847	470218.79	3820310.07	5.42E-08	2.10E-07	2.79E-09	2.67E-07	4.52E-08	1.54E-07	2.00E-09	2.02E-07	5.12E-09	2.71E-08	4.75E-10	3.27E-08	4.65E-09	1.42E-08	1.44E-10	1.90E-08
5848	470228.49	3820310.21	5.36E-08	2.08E-07	2.75E-09	2.64E-07	4.47E-08	1.53E-07	1.98E-09	1.99E-07	5.06E-09	2.68E-08	4.70E-10	3.23E-08	4.60E-09	1.40E-08	1.42E-10	1.88E-08
5849	470238.19	3820310.34	5.30E-08	2.06E-07	2.72E-09	2.61E-07	4.42E-08	1.51E-07	1.96E-09	1.97E-07	5.01E-09	2.65E-08	4.65E-10	3.19E-08	4.55E-09	1.39E-08	1.41E-10	1.86E-08
5850	470247.88	3820310.48	5.24E-08	2.03E-07	2.69E-09	2.58E-07	4.37E-08	1.49E-07	1.93E-09	1.95E-07	4.95E-09	2.62E-08	4.59E-10	3.16E-08	4.50E-09	1.37E-08	1.39E-10	1.83E-08
5851	470257.58	3820310.61	5.18E-08	2.01E-07	2.66E-09	2.55E-07	4.32E-08	1.48E-07	1.91E-09	1.93E-07	4.89E-09	2.59E-08	4.54E-10	3.12E-08	4.45E-09	1.35E-08	1.37E-10	1.81E-08
5852	470267.28	3820310.75	5.13E-08	1.99E-07	2.63E-09	2.53E-07	4.27E-08	1.46E-07	1.89E-09	1.91E-07	4.84E-09	2.56E-08	4.49E-10	3.09E-08	4.40E-09	1.34E-08	1.36E-10	1.79E

5853	470082.78	3820384.49	5.24E-08	2.03E-07	2.69E-09	2.58E-07	4.37E-08	1.49E-07	1.93E-09	1.95E-07	4.95E-09	2.62E-08	4.59E-10	3.16E-08	4.50E-09	1.37E-08	1.39E-10	1.83E-08
5854	470073.94	3820380.67	5.29E-08	2.05E-07	2.72E-09	2.61E-07	4.41E-08	1.51E-07	1.95E-09	1.97E-07	5.00E-09	2.64E-08	4.64E-10	3.19E-08	4.54E-09	1.38E-08	1.40E-10	1.85E-08
5855	470065.1	3820376.84	5.34E-08	2.07E-07	2.74E-09	2.63E-07	4.45E-08	1.52E-07	1.97E-09	1.99E-07	5.04E-09	2.67E-08	4.68E-10	3.22E-08	4.59E-09	1.40E-08	1.42E-10	1.87E-08
5856	470056.27	3820373.02	5.39E-08	2.09E-07	2.77E-09	2.65E-07	4.49E-08	1.53E-07	1.99E-09	2.00E-07	5.09E-09	2.69E-08	4.72E-10	3.24E-08	4.62E-09	1.41E-08	1.43E-10	1.88E-08
5857	470047.43	3820369.2	5.43E-08	2.10E-07	2.79E-09	2.67E-07	4.52E-08	1.55E-07	2.00E-09	2.02E-07	5.12E-09	2.71E-08	4.75E-10	3.27E-08	4.66E-09	1.42E-08	1.44E-10	1.90E-08
5858	470038.59	3820365.38	5.46E-08	2.12E-07	2.81E-09	2.69E-07	4.55E-08	1.56E-07	2.01E-09	2.03E-07	5.16E-09	2.73E-08	4.79E-10	3.29E-08	4.69E-09	1.43E-08	1.45E-10	1.91E-08
5859	470029.76	3820361.56	5.50E-08	2.13E-07	2.82E-09	2.71E-07	4.58E-08	1.57E-07	2.03E-09	2.04E-07	5.19E-09	2.74E-08	4.82E-10	3.31E-08	4.72E-09	1.44E-08	1.46E-10	1.92E-08
5860	470020.92	3820357.74	5.53E-08	2.14E-07	2.84E-09	2.72E-07	4.60E-08	1.57E-07	2.04E-09	2.06E-07	5.22E-09	2.76E-08	4.84E-10	3.33E-08	4.74E-09	1.44E-08	1.46E-10	1.93E-08
5861	470012.08	3820353.92	5.55E-08	2.15E-07	2.85E-09	2.74E-07	4.62E-08	1.58E-07	2.05E-09	2.06E-07	5.24E-09	2.77E-08	4.86E-10	3.34E-08	4.77E-09	1.45E-08	1.47E-10	1.94E-08
5862	470003.24	3820350.1	5.57E-08	2.16E-07	2.86E-09	2.75E-07	4.64E-08	1.59E-07	2.05E-09	2.07E-07	5.26E-09	2.78E-08	4.88E-10	3.36E-08	4.78E-09	1.46E-08	1.48E-10	1.95E-08
5863	469994.41	3820346.27	5.59E-08	2.17E-07	2.87E-09	2.75E-07	4.65E-08	1.59E-07	2.06E-09	2.08E-07	5.28E-09	2.79E-08	4.90E-10	3.37E-08	4.80E-09	1.46E-08	1.48E-10	1.96E-08
5864	469985.57	3820342.45	5.60E-08	2.17E-07	2.88E-09	2.76E-07	4.66E-08	1.60E-07	2.07E-09	2.08E-07	5.29E-09	2.80E-08	4.91E-10	3.37E-08	4.81E-09	1.46E-08	1.48E-10	1.96E-08
5865	469976.73	3820338.63	5.61E-08	2.18E-07	2.88E-09	2.76E-07	4.67E-08	1.60E-07	2.07E-09	2.09E-07	5.30E-09	2.80E-08	4.91E-10	3.38E-08	4.81E-09	1.47E-08	1.49E-10	1.96E-08
5866	469967.9	3820334.81	5.61E-08	2.18E-07	2.88E-09	2.77E-07	4.67E-08	1.60E-07	2.07E-09	2.09E-07	5.30E-09	2.80E-08	4.92E-10	3.38E-08	4.82E-09	1.47E-08	1.49E-10	1.96E-08
5867	469959.06	3820330.99	5.61E-08	2.18E-07	2.88E-09	2.77E-07	4.67E-08	1.60E-07	2.07E-09	2.09E-07	5.30E-09	2.80E-08	4.92E-10	3.38E-08	4.82E-09	1.47E-08	1.49E-10	1.96E-08
5868	469950.22	3820327.17	5.61E-08	2.17E-07	2.88E-09	2.76E-07	4.67E-08	1.60E-07	2.07E-09	2.09E-07	5.29E-09	2.80E-08	4.91E-10	3.38E-08	4.81E-09	1.47E-08	1.49E-10	1.96E-08
5869	469941.39	3820323.35	5.60E-08	2.17E-07	2.88E-09	2.76E-07	4.66E-08	1.59E-07	2.06E-09	2.08E-07	5.28E-09	2.79E-08	4.90E-10	3.37E-08	4.80E-09	1.46E-08	1.48E-10	1.96E-08
5870	469932.55	3820319.52	5.58E-08	2.17E-07	2.87E-09	2.75E-07	4.65E-08	1.59E-07	2.06E-09	2.08E-07	5.27E-09	2.79E-08	4.89E-10	3.36E-08	4.79E-09	1.46E-08	1.48E-10	1.95E-08
5871	469923.71	3820315.7	5.57E-08	2.16E-07	2.86E-09	2.74E-07	4.64E-08	1.59E-07	2.05E-09	2.07E-07	5.26E-09	2.78E-08	4.88E-10	3.35E-08	4.78E-09	1.46E-08	1.48E-10	1.95E-08
5872	469914.87	3820311.88	5.55E-08	2.15E-07	2.85E-09	2.73E-07	4.62E-08	1.58E-07	2.05E-09	2.06E-07	5.24E-09	2.77E-08	4.86E-10	3.34E-08	4.76E-09	1.45E-08	1.47E-10	1.94E-08
5873	469906.04	3820308.06	5.52E-08	2.14E-07	2.84E-09	2.72E-07	4.60E-08	1.57E-07	2.04E-09	2.05E-07	5.21E-09	2.76E-08	4.84E-10	3.33E-08	4.74E-09	1.44E-08	1.46E-10	1.93E-08
5874	469853.01	3820285.13	5.31E-08	2.06E-07	2.73E-09	2.62E-07	4.43E-08	1.51E-07	1.96E-09	1.98E-07	5.02E-09	2.65E-08	4.66E-10	3.20E-08	4.56E-09	1.39E-08	1.41E-10	1.86E-08
5875	469844.18	3820281.31	5.27E-08	2.04E-07	2.71E-09	2.60E-07	4.39E-08	1.50E-07	1.94E-09	1.96E-07	4.98E-09	2.63E-08	4.62E-10	3.17E-08	4.52E-09	1.38E-08	1.40E-10	1.84E-08
5876	469835.34	3820277.49	5.22E-08	2.03E-07	2.68E-09	2.58E-07	4.35E-08	1.49E-07	1.93E-09	1.94E-07	4.93E-09	2.61E-08	4.58E-10	3.15E-08	4.49E-09	1.37E-08	1.39E-10	1.83E-08
5877	469826.5	3820273.67	5.18E-08	2.01E-07	2.66E-09	2.55E-07	4.31E-08	1.48E-07	1.91E-09	1.93E-07	4.89E-09	2.59E-08	4.54E-10	3.12E-08	4.45E-09	1.35E-08	1.37E-10	1.81E-08
5878	469817.67	3820269.85	5.13E-08	1.99E-07	2.64E-09	2.53E-07	4.27E-08	1.46E-07	1.89E-09	1.91E-07	4.85E-09	2.56E-08	4.50E-10	3.09E-08	4.41E-09	1.34E-08	1.36E-10	1.80E-08
5879	469808.83	3820266.02	5.08E-08	1.97E-07	2.61E-09	2.51E-07	4.23E-08	1.45E-07	1.88E-09	1.89E-07	4.80E-09	2.54E-08	4.46E-10	3.06E-08	4.36E-09	1.33E-08	1.35E-10	1.78E-08
5880	469799.99	3820262.2	5.03E-08	1.95E-07	2.59E-09	2.48E-07	4.19E-08	1.43E-07	1.86E-09	1.87E-07	4.75E-09	2.51E-08	4.41E-10	3.03E-08	4.32E-09	1.32E-08	1.33E-10	1.76E-08
5881	469791.16	3820258.38	4.98E-08	1.93E-07	2.56E-09	2.46E-07	4.15E-08	1.42E-07	1.84E-09	1.85E-07	4.71E-09	2.49E-08	4.37E-10	3.00E-08	4.28E-09	1.30E-08	1.32E-10	1.74E-08
5882	469782.32	3820254.56	4.93E-08	1.91E-07	2.54E-09	2.43E-07	4.11E-08	1.41E-07	1.82E-09	1.84E-07	4.66E-09	2.46E-08	4.32E-10	2.97E-08	4.24E-09	1.29E-08	1.31E-10	1.73E-08
5883	469773.48	3820250.74	4.88E-08	1.89E-07	2.51E-09	2.41E-07	4.07E-08	1.39E-07	1.80E-09	1.82E-07	4.61E-09	2.44E-08	4.28E-10	2.94E-08	4.19E-09	1.28E-08	1.29E-10	1.71E-08
5884	469764.64	3820246.92	4.83E-08	1.87E-07	2.48E-09	2.38E-07	4.03E-08	1.38E-07	1.78E-09	1.80E-07	4.56E-09	2.41E-08	4.23E-10	2.91E-08	4.15E-09	1.26E-08	1.28E-10	1.69E-08
5885	469755.81	3820243.1	4.78E-08	1.85E-07	2.46E-09	2.36E-07	3.98E-08	1.36E-07	1.76E-09	1.78E-07	4.52E-09	2.39E-08	4.19E-10	2.88E-08	4.11E-09	1.25E-08	1.27E-10	1.67E-08
5886	469746.97	3820239.28	4.73E-08	1.84E-07	2.43E-09	2.33E-07	3.94E-08	1.35E-07	1.75E-09	1.76E-07	4.47E-09	2.36E-08	4.15E-10	2.85E-08	4.06E-09	1.24E-08	1.25E-10	1.66E-08
5887	469738.13	3820235.45	4.68E-08	1.82E-07	2.41E-09	2.31E-07	3.90E-08	1.33E-07	1.73E-09	1.74E-07	4.42E-09	2.34E-08	4.10E-10	2.82E-08	4.02E-09	1.22E-08	1.24E-10	1.64E-08
5888	469729.3	3820231.63	4.63E-08	1.80E-07	2.38E-09	2.28E-07	3.86E-08	1.32E-07	1.71E-09	1.72E-07	4.38E-09	2.31E-08	4.06E-10	2.79E-08	3.98E-09	1.21E-08	1.23E-10	1.62E-08
5889	469720.46	3820227.81	4.58E-08	1.78E-07	2.36E-09	2.26E-07	3.82E-08	1.31E-07	1.69E-09	1.71E-07	4.33E-09	2.29E-08	4.02E-10	2.76E-08	3.94E-09	1.20E-08	1.22E-10	1.60E-08
5890	469711.62	3820223.99	4.54E-08	1.76E-07	2.33E-09	2.24E-07	3.78E-08	1.29E-07	1.67E-09	1.69E-07	4.28E-09	2.26E-08	3.98E-10	2.73E-08	3.89E-09	1.19E-08	1.20E-10	1.59E-08
5891	469702.78	3820220.17	4.49E-08	1.74E-07	2.31E-09	2.21E-07	3.74E-08	1.28E-07	1.66E-09	1.67E-07	4.24E-09	2.24E-08	3.93E-10	2.70E-08	3.85E-09	1.17E-08	1.19E-10	1.57E-08
5892	469667.44	3820204.88	4.30E-08	1.67E-07	2.21E-09	2.12E-07	3.58E-08	1.23E-07	1.59E-09	1.60E-07	4.06E-09	2.15E-08	3.77E-10	2.59E-08	3.69E-09	1.13E-08	1.14E-10	1.51E-08
5893	469658.6	3820201.06	4.26E-08	1.65E-07	2.19E-09	2.10E-07	3.55E-08	1.21E-07	1.57E-09	1.58E-07	4.02E-09	2.13E-08	3.73E-10	2.57E-08	3.66E-09	1.11E-08	1.13E-10	1.49E-08
5894	469649.76	3820197.24	4.21E-08	1.63E-07	2.17E-09	2.08E-07	3.51E-08	1.20E-07	1.55E-09	1.57E-07	3.98E-09	2.10E-08	3.69E-10	2.54E-08	3.62E-09	1.10E-08	1.12E-10	1.47E-08
5895	469640.93	3820193.42	4.17E-08	1.62E-07	2.14E-09	2.06E-07	3.47E-08	1.19E-07	1.54E-09	1.55E-07	3.94E-09	2.08E-08	3.65E-10	2.51E-08	3.58E-09	1.09E-08	1.11E-10	1.46E-08
5896	469632.09	3820189.6	4.13E-08	1.60E-07	2.12E-09	2.03E-07	3.44E-08	1.18E-07	1.52E-09	1.54E-07	3.90E-09	2.06E-08	3.62E-10	2.49E-08	3.54E-09	1.08E-08	1.09E-10	1.44E-08
5897	469623.25	3820185.78	4.08E-08	1.58E-07	2.10E-09	2.01E-07	3.40E-08	1.16E-07	1.51E-09	1.52E-07	3.86E-09	2.04E-08	3.58E-10	2.46E-08	3.51E-09	1.07E-08	1.08E-10	1.43E-08
5898	469614.41	3820181.95	4.04E-08	1.57E-07	2.08E-09	1.99E-07	3.37E-08	1.15E-07	1.49E-09	1.50E-07	3.82E-09	2.02E-08	3.54E-10	2.43E-08	3.47E-09	1.06E-08	1.07E-10	1.41E-08
5899	469605.58	3820178.13	4.00E-08	1.55E-07	2.05E-09	1.97E-07	3.33E-08	1.14E-07	1.47E-09	1.49E-07	3.78E-09	2.00E-08	3.50E-10	2.41E-08	3.43E-09	1.05E-08	1.06E-10	1.40E-08
5900	469517.21	3820139.92	3.57E-08	1.38E-07	1.83E-09	1.76E-07	2.97E-08	1.02E-07	1.31E-09	1.33E-07	3.37E-09	1.78E-08	3.12E-10	2.15E-08	3.06E-09	9.32E-09	9.45E-11	1.25E-08
5901	469508.37	3820136.1	3.52E-08	1.37E-07	1.81E-09	1.74E-07	2.93E-08	1.00E-07	1.30E-09	1.31E-07	3.32E-09	1.76E-08	3.08E-10	2.12E-08	3.02E-09	9.20E-09	9.33E-11	1.23E-08
5902	469499.53	3820132.28	3.47E-08	1.35E-07	1.78E-09	1.71E-07	2.89E-08	9.90E-08	1.28E-09	1.29E-07	3.28E-09	1.73E-08	3.04E-10	2.09E-08	2.98E-09	9.08E-09	9.21E-11	1.22E-08
5903	469490.7	3820128.46	3.43E-08	1.33E-07	1.76E-09	1.69E-07	2.86E-08	9.77E-08	1.26E-09	1.28E-07	3.24E-09	1.71E-08	3.00E-10	2.07E-08	2.94E-09	8.96E-09	9.09E-11	1.20E-08
5904	469481.86	3820124.63	3.38E-08	1.31E-07	1.74E-09	1.67E-07	2.82E-08	9.63E-08	1.25E-09	1.26E-07	3.19E-09	1.69E-08	2.96E-10	2.04E-08	2.90E-09	8.84E-09	8.96E-11	1.18E-08
5905	469473.02	3820120.81	3.33E-08	1.29E-07	1.71E-09	1.64E-07	2.78E-08	9.50E-08	1.23E-09	1.24E-07	3.15E-09	1.66E-08	2.92E-10	2.01E-08	2.86E-09	8.72E-09	8.84E-11	1.17E-08
5906	469464.18	3820116.99	3.29E-08	1.27E-07	1.69E-09	1.62E-07	2.74E-08	9.37E-08	1.21E-09	1.22E-07	3.10E-09	1.64E-08	2.88E-10	1.98E-08	2.82E-09	8.59E-09	8.71E-11	1.15E-08
5907	469455.35	3820113.17	3.24E-08	1.26E-07	1.66E-09	1.60E-07	2.70E-08	9.23E-08	1.19E-09	1.20E-07	3.06E-09	1.62E-08	2.84E-10	1.95E-08	2.78E-09	8.46E-09	8.58E-11	1.13E-08
5908	469446.51	3820109.35	3.19E-08	1.24E-07	1.64E-09	1.57E-07	2.66E-08	9.09E-08	1.18E-09	1.19E-07	3.01E-09	1.59E-08	2.79E-10	1.92E-08	2.74E-09	8.34E-09	8.45E-11	1.12E-08
5909	469437.67	3820105.53	3.14E-08	1.22E-07	1.61E-09	1.55E-07	2.62E-08	8.95E-08	1.16E-09	1.17E-07	2.96E-09	1.57E-08	2.75E-10	1.89E-08	2.70E-09	8.21E-09	8.32E-11	1.10E-08
5910	469425.32	3820092.74	3.08E-08	1.19E-07	1.58E-09	1.52E-07	2.56E-08	8.77E-08	1.14E-09	1.15E-07	2.91E-09	1.54E-08	2.70E-10	1.85E-08	2.64E-09	8.05E-09	8.16E-11	1.08E-08
5911	469421.8	3820083.78	3.06E-08	1.19E-07	1.57E-09	1.51E-07	2.55E-08	8.73E-08	1.13E-09	1.14E-07	2.89E-09	1.53E-08	2.69E-10	1.85E-08	2.63E-09	8.01E-09	8.12E-11	1.07E-08
5912	469418.28	3820074.82	3.05E-08	1.18E-07	1.57E-09	1.50E-07	2.54E-08	8.69E-08	1.12E-09	1.13E-07	2.88E-09	1.52E-08	2.67E-10	1.84E-08	2.62E-09	7.97E-09	8.08E-11	1.07E-08
5913	469414.76	3820065.86	3.03E-08	1.18E-07	1.56E-09	1.49E-07	2.52E-08	8.64E-08	1.12E-09	1.13E-07	2.86E-09	1.51E-08	2.66E-10	1.83E-08	2.60E-09	7.92E-09	8.04E-11	1.06E-08
5914	469411.24	3820056.9	3.01E-08	1.17E-07	1.55E-09	1.49E-07	2.51E-08	8.59E-08	1.11E-09	1.12E-07	2.84E-09	1.50E-08	2.64E-10	1.81E-08	2.59E-09	7.88E-09	7.99E-11	1.05E-08
5915	469407.72	3820047.94	2.99E-08	1.16E-07	1.54E-09	1.48E-07	2.49E-08	8.53E-08	1.10E-09	1.11E-07	2.83E-09	1.49E-08	2.62E-10	1.80E-08	2.57E-09	7.82E-09	7.93E-11	1.05E-08
5916	469404.2	3820038.97	2.97E-08	1.15E-07	1.53E-09	1.46E-07	2.47E-08	8.46E-08	1.10E-09	1.10E-07	2.80E-09	1.48E-08	2.60E-10	1.79E-08	2.55E-09	7.76E-09	7.87E-11	1.04E-08
5917	469319.74	3819823.89	2.03E-08	7.88E-08	1.04E-09	1.00E-07	1.69E-08	5.79E-08	7.49E-10	7.56E-08	1.92E-09	1.01E-08	1.78E-10	1.22E-08	1.74E-09	5.31E-09	5.38E-11	7.11E-09
5918	469316.22	3819814.93	1.98E-08	7.68E-08	1.02E-09	9.77E-08	1.65E-08	5.65E-08	7.31E-10	7.37E-08	1.87E-09	9.89E-09	1.74E-10	1.19E-08	1.70E-09	5.18E-09	5.25E-11	6.93E-09
5919	469312.7	3819805.97	1.93E-08	7.49E-08	9.92E-10	9.52E-08	1.61E-08	5.50E-08	7.12E-10	7.18E-08	1.82E-09	9.64E-09	1.69E-10	1.16E-08	1.66E-09	5.05E-09	5.12E-11	6.75E-09
5920	469309.18	3819797.01	1.88E-08	7.29E-08	9.66E-10	9.27E-08	1.57E-08	5.36E-08	6.93E-10	6.99E-08	1.78E-09	9.39E-09	1.65E-10	1.13E-08	1.61E-09	4.92E-09	4.98E-11	6.58E-09
5921	469305.66	3819788.05	1.83E-08	7.10E-08	9.41E-10	9.03E-08	1.52E-08	5.22E-08	6.75E-10	6.81E-08	1.73E-09	9.14E-09	1.60E-10	1.10E-08	1.57E-09	4.79E-09	4.85E-11	6.41E-09
5922	469302.14	3819779.09	1.78E-08	6.91E-08	9.15E-10	8.78E-08	1.48E-08	5.08E-08	6.57E-10	6.63E-08	1.68E-09	8.90E-09	1.56E-10	1.07E-08	1.53E-09	4.66E-09	4.72E-11	6.23E-09
5923	469298.62	3819770.12	1.73E-08	6.72E-08	8.90E-10	8.54E-08	1.44E-08	4.94E-08	6.39E-10	6.45E-08	1.64E-09	8.65E-09	1.52E-10	1.04E-08	1.49E-09	4.53E-09	4.59E-11	6.06E-09
5924	469295.1	3819761.16	1.68E-08	6.53E-08	8.66E-10	8.30E-08	1.40E-08	4.80E-08	6.21E-10	6.27E-08	1.59E-09	8.41E-09	1.48E-10	1.01E-08	1.45E-09	4.40E-09	4.47E-11	5.89E-09
5925	469291.58	3819752.2	1.64E-08	6.35E-08	8.41E-10	8.07E-08	1.36E-08	4.66E-08	6.04E-10	6.09E-08	1.55E-09	8.17E-09	1.43E-10	9.86E-09	1.40E-09	4.28E-09	4.34E-11	5.73E-09
5926	469288.06	3819743.24	1.59E-08	6.16E-08	8.17E-10	7.83E-08	1.32E-08	4.53E-08	5.86E-10	5.91E-08	1.50E-09	7.93E-09	1.39E-10	9.57E-09	1.36E-09	4.15E-09	4.21E-11	5.56E-09
5927	469284.54	3819734.28	1.54E-08	5.98E-08	7.93E-10	7.60E-08	1.28E-08	4.40E-08	5.69E-10	5.74E-08	1.46E-09	7.70E-09	1.35E-10	9.29E-09	1.32E-09	4.03E-09	4.09E-11	5.40E-09
5928	469281.03	3819725.32	1.50E-08	5.80E-08	7.68E-10	7.37E-08	1.25E-08	4.26E-08	5.51E-10	5.56E-08	1.41E-09	7.46E-09	1.31E-10	9.01E-09	1.28E-09	3.91E-09	3.96E-11	5.23E-09
5929	469277.51	3819716.35	1.45E-08	5.62E-08	7.44E-10	7.14E-08	1.21E-08	4.13E-08	5.34E-10	5.39E-08	1.37E-09	7.23E-09	1.27E-10	8.72E-09	1.24E-09	3.79E-09	3.84E-11	5.07E-09
5930	469273.99	3819707.39	1.40E-08	5.44E-08	7.20E-10	6.91E-08	1.17E-08	4.00E-08	5.17E-10	5.22E-08	1.32E-09	7.00E-09	1.23E-10	8.45E-09	1.20E-09	3.67E-09	3.72E-11	4.91E-09
5931	469270.47	3819698.43	1.36E-08	5.27E-08	6.98E-10	6.69E-08	1.13E-08	3.87E-08	5.01E-10	5.05E-08	1.28E-09	6.78E-09	1.19E-10	8.18E-09	1.17E-09	3.55E-09	3.60E-11	4.75E-09
5932	469266.95	3819689.47	1.31E-08	5.10E-08	6.76E-10	6.48E-08	1.10E-08	3.75E-08	4.85E-10	4.89E-08	1.24E-09	6.56E-09	1.15E-10	7.92E-09	1.13E-09	3.44E-09	3.49E-11	4.60E-09
5933	469263.43	3819680.51	1.27E-08	4.94E-08	6.54E-10	6.28E-08	1.06E-08	3.63E-08	4.70E-10	4.74E-08	1.20E-09	6.36E-09	1.12E-10	7.67E-09	1.09E-09	3.33E-09	3.38E-11	4.46E-09
5934	469259.91	3819671.55	1.23E-08	4.78E-08	6.33E-10	6.08E-08	1.03E-08	3.51E-08	4.55E-10	4.58E-08	1.16E-09	6.15E-09	1.08E-10	7.43E-09	1.06E-09	3.22E-09	3.27E-11	4.31E-09
5935	469256.39	3819662.59	1.19E-08	4.63E-08	6.13E-10	5.88E-08	9.94E-09	3.40E-08	4.40E-10	4.44E-08	1.13E-09	5.96E-09	1.05E-10	7.19E-09	1.02E-09	3.12E-09	3.16E-11	4.17E-09
5936	469252.87	3819653.62	1.15E-08	4.48E-08	5.93E-10	5.69E-08	9.62E-09	3.29E-08	4.26E-10	4.29E-08	1.09E-09	5.76E-09	1.01E-10	6.96E-09	9.91E-10	3.02E-09	3.06E-11	4.04E-09
5937	469249.35	3819644.66	1.12E-08	4.33E-08	5.74E-10	5.51E-08	9.31E-09	3.18E-08	4.12E-10	4.16E-08	1.06E-09	5.58E-09	9.79E-11	6.73E-09	9.59E-10	2.92E-09	2.96E-11	3.91E-09
5938	469245.83	3819635.7	1.08E-08	4.19E-08	5.55E-10	5.33E-08	9.00E-09	3.08E-08	3.99E-10	4.02E-08	1.02E-09	5.40E-09	9.47E-11	6.51E-09	9.28E-10	2.83E-09	2.87E-11	3.78E-09
5939	469242.31	3819626.74	1.05E-08	4.06E-08	5.37E-10	5.16E-08	8.71E-09	2.98E-08	3.86E-10	3.89E-08	9.88E-10	5.22E-09	9.17E-11	6.30E-09	8.98E-10	2.73E-09	2.77E-11	3.66E-09
5940	469238.79	3819617.78	1.01E-08	3.93E-08	5.20E-10	4.99E-08	8.43E-09	2.88E-08	3.73E-10	3.77E-08	9.56E-10	5.05E-09	8.87E-11	6.10E-09	8.69E-10	2.65E-09	2.68E-11	3.54E-09
5941	469235.27	3819608.82	9.79E-09	3.80E-08	5.03E-10	4.83E-08	8.15E-09	2.79E-08	3.61E-10	3.64E-08	9.24E-10	4.89E-09	8.58E-11	5.90E-09	8.40E-10	2.56E-09	2.59E-11	3.43E-09
5942	469231.76	3819599.85	9.46E-09	3.67E-08	4.86E-10	4.67E-08	7.88E-09	2.70E-08	3.49E-10	3.52E-08	8.94E-10	4.73E-09	8.29E-11	5.70E-09	8.13E-10	2.47E-09	2.51E-11	3.31E-09
5943	469228.24	3819590.89	9.15E-09	3.55E-08	4.70E-10	4.51E-08	7.62E-09	2.61E-08	3.38E-10	3.40E-08	8.64E-10	4.57E-09	8.02E-11	5.51E-09	7.86E-10	2.39E-09	2.43E-11	3.20E-09
5944	469224.72	3819581.93	8.86E-09	3.44E-08	4.55E-10	4.37E-08	7.38E-09	2.52E-08	3.27E-10	3.29E-08	8.36E-10	4.42E-09	7.76E-11	5.34E-09	7.60E-10	2.32E-09	2.35E-11	3.10E-09
5945	469221.2	3819572.97	8.58E-09	3.33E-08	4.41E-10	4.23E-08	7.14E-09	2.44E-08	3.16E-10	3.19E-08	8.10E-10	4.28E-09	7.52E-11	5.17E-09	7.36E-10	2.24E-09	2.27E-11	3.00E-09
5946	469217.68	3819564.01	8.31E-09	3.22E-08	4.27E-10	4.10E-08	6.92E-09	2.37E-08	3.07E-10	3.09E-08	7.85E-10	4.15E-09	7.28E-11	5.01E-09	7.14E-10	2.17E-09	2.20E-11	2.91E-09
5947	469214.16	3819555.05	8.06E-09	3.13E-08	4.14E-10	3.97E-08	6.71E-09	2.30E-08	2.97E-10	3.00E-08	7.61E-10	4.02E-09	7.06E-11	4.85E-09	6.92E-10	2.11E-09	2.14E-11	2.82E-09
5948	469210.64	3819546.08	7.81E-09	3.03E-08	4.01E-10	3.85E-08	6.51E-09	2.23E-08	2.88E-10	2.91E-08	7.38E-10	3.90E-09	6.85E-11	4.71E-09	6.71E-10	2.04E-09	2.07E-11

5949	469207.12	3819537.12	7.58E-09	2.94E-08	3.89E-10	3.74E-08	6.31E-09	2.16E-08	2.79E-10	2.82E-08	7.16E-10	3.78E-09	6.64E-11	4.57E-09	6.51E-10	1.98E-09	2.01E-11	2.65E-09
5950	469203.6	3819528.16	7.36E-09	2.85E-08	3.78E-10	3.63E-08	6.13E-09	2.10E-08	2.71E-10	2.74E-08	6.95E-10	3.67E-09	6.45E-11	4.43E-09	6.31E-10	1.92E-09	1.95E-11	2.57E-09
5951	469200.08	3819519.2	7.14E-09	2.77E-08	3.67E-10	3.52E-08	5.95E-09	2.04E-08	2.64E-10	2.66E-08	6.75E-10	3.57E-09	6.26E-11	4.30E-09	6.13E-10	1.87E-09	1.89E-11	2.50E-09
5952	469196.56	3819510.24	6.94E-09	2.69E-08	3.57E-10	3.42E-08	5.78E-09	1.98E-08	2.56E-10	2.58E-08	6.55E-10	3.47E-09	6.08E-11	4.18E-09	5.96E-10	1.81E-09	1.84E-11	2.43E-09
5953	469193.04	3819501.28	6.75E-09	2.62E-08	3.47E-10	3.33E-08	5.62E-09	1.92E-08	2.49E-10	2.51E-08	6.37E-10	3.37E-09	5.91E-11	4.07E-09	5.79E-10	1.76E-09	1.79E-11	2.36E-09
5954	469189.52	3819492.31	6.56E-09	2.54E-08	3.37E-10	3.23E-08	5.46E-09	1.87E-08	2.42E-10	2.44E-08	6.19E-10	3.27E-09	5.75E-11	3.95E-09	5.63E-10	1.71E-09	1.74E-11	2.30E-09
5955	469186	3819483.35	6.37E-09	2.47E-08	3.28E-10	3.14E-08	5.31E-09	1.82E-08	2.35E-10	2.37E-08	6.02E-10	3.18E-09	5.59E-11	3.84E-09	5.47E-10	1.67E-09	1.69E-11	2.23E-09
5956	469182.48	3819474.39	6.20E-09	2.40E-08	3.19E-10	3.06E-08	5.16E-09	1.77E-08	2.29E-10	2.31E-08	5.85E-10	3.10E-09	5.43E-11	3.73E-09	5.32E-10	1.62E-09	1.64E-11	2.17E-09
5957	469178.97	3819465.43	6.03E-09	2.34E-08	3.10E-10	2.97E-08	5.02E-09	1.72E-08	2.22E-10	2.24E-08	5.70E-10	3.01E-09	5.29E-11	3.63E-09	5.18E-10	1.58E-09	1.60E-11	2.11E-09
5958	469175.45	3819456.47	5.88E-09	2.28E-08	3.02E-10	2.90E-08	4.90E-09	1.68E-08	2.17E-10	2.19E-08	5.55E-10	2.94E-09	5.15E-11	3.54E-09	5.05E-10	1.54E-09	1.56E-11	2.06E-09
5959	469171.93	3819447.51	5.73E-09	2.22E-08	2.95E-10	2.83E-08	4.78E-09	1.63E-08	2.11E-10	2.13E-08	5.41E-10	2.86E-09	5.02E-11	3.45E-09	4.92E-10	1.50E-09	1.52E-11	2.01E-09
5960	469168.41	3819438.54	5.60E-09	2.17E-08	2.88E-10	2.76E-08	4.66E-09	1.59E-08	2.06E-10	2.08E-08	5.28E-10	2.79E-09	4.90E-11	3.37E-09	4.80E-10	1.46E-09	1.48E-11	1.96E-09
5961	470091.62	3820388.31	5.19E-08	2.01E-07	2.67E-09	2.56E-07	4.32E-08	1.48E-07	1.91E-09	1.93E-07	4.90E-09	2.59E-08	4.55E-10	3.13E-08	4.45E-09	1.36E-08	1.38E-10	1.82E-08
5962	470101.31	3820388.44	5.16E-08	2.00E-07	2.65E-09	2.55E-07	4.30E-08	1.47E-07	1.90E-09	1.92E-07	4.88E-09	2.58E-08	4.53E-10	3.11E-08	4.43E-09	1.35E-08	1.37E-10	1.81E-08
5963	470111.01	3820388.58	5.14E-08	1.99E-07	2.64E-09	2.53E-07	4.28E-08	1.46E-07	1.89E-09	1.91E-07	4.85E-09	2.56E-08	4.50E-10	3.09E-08	4.41E-09	1.34E-08	1.36E-10	1.80E-08
5964	470120.71	3820388.71	5.11E-08	1.98E-07	2.62E-09	2.52E-07	4.26E-08	1.46E-07	1.88E-09	1.90E-07	4.82E-09	2.55E-08	4.48E-10	3.08E-08	4.39E-09	1.34E-08	1.35E-10	1.79E-08
5965	470130.4	3820388.85	5.08E-08	1.97E-07	2.61E-09	2.50E-07	4.23E-08	1.45E-07	1.87E-09	1.89E-07	4.79E-09	2.54E-08	4.45E-10	3.06E-08	4.36E-09	1.33E-08	1.35E-10	1.78E-08
5966	470140.1	3820388.98	5.04E-08	1.96E-07	2.59E-09	2.49E-07	4.20E-08	1.44E-07	1.86E-09	1.88E-07	4.76E-09	2.52E-08	4.42E-10	3.04E-08	4.33E-09	1.32E-08	1.34E-10	1.76E-08
5967	470149.8	3820389.12	5.00E-08	1.94E-07	2.57E-09	2.47E-07	4.17E-08	1.43E-07	1.84E-09	1.86E-07	4.72E-09	2.50E-08	4.38E-10	3.01E-08	4.29E-09	1.31E-08	1.33E-10	1.75E-08
5968	470159.5	3820389.25	4.96E-08	1.92E-07	2.55E-09	2.45E-07	4.13E-08	1.41E-07	1.83E-09	1.84E-07	4.68E-09	2.48E-08	4.35E-10	2.99E-08	4.26E-09	1.30E-08	1.31E-10	1.74E-08
5969	470169.19	3820389.39	4.92E-08	1.91E-07	2.53E-09	2.42E-07	4.09E-08	1.40E-07	1.81E-09	1.83E-07	4.64E-09	2.45E-08	4.31E-10	2.96E-08	4.22E-09	1.28E-08	1.30E-10	1.72E-08
5970	470178.89	3820389.52	4.87E-08	1.89E-07	2.50E-09	2.40E-07	4.06E-08	1.39E-07	1.80E-09	1.81E-07	4.60E-09	2.43E-08	4.27E-10	2.93E-08	4.18E-09	1.27E-08	1.29E-10	1.70E-08
5971	470188.59	3820389.66	4.83E-08	1.87E-07	2.48E-09	2.38E-07	4.02E-08	1.38E-07	1.78E-09	1.80E-07	4.56E-09	2.41E-08	4.23E-10	2.91E-08	4.14E-09	1.26E-08	1.28E-10	1.69E-08
5972	470198.28	3820389.79	4.78E-08	1.85E-07	2.46E-09	2.36E-07	3.98E-08	1.36E-07	1.76E-09	1.78E-07	4.51E-09	2.39E-08	4.19E-10	2.88E-08	4.10E-09	1.25E-08	1.27E-10	1.67E-08
5973	470207.98	3820389.93	4.73E-08	1.84E-07	2.43E-09	2.33E-07	3.94E-08	1.35E-07	1.75E-09	1.76E-07	4.47E-09	2.36E-08	4.15E-10	2.85E-08	4.06E-09	1.24E-08	1.25E-10	1.66E-08
5974	470217.68	3820390.06	4.69E-08	1.82E-07	2.41E-09	2.31E-07	3.90E-08	1.34E-07	1.73E-09	1.74E-07	4.42E-09	2.34E-08	4.11E-10	2.82E-08	4.02E-09	1.22E-08	1.24E-10	1.64E-08
5975	470227.38	3820390.2	4.64E-08	1.80E-07	2.38E-09	2.29E-07	3.86E-08	1.32E-07	1.71E-09	1.73E-07	4.38E-09	2.32E-08	4.06E-10	2.79E-08	3.98E-09	1.21E-08	1.23E-10	1.62E-08
5976	470237.07	3820390.33	4.59E-08	1.78E-07	2.36E-09	2.26E-07	3.82E-08	1.31E-07	1.69E-09	1.71E-07	4.33E-09	2.29E-08	4.02E-10	2.76E-08	3.94E-09	1.20E-08	1.22E-10	1.61E-08
5977	470246.77	3820390.47	4.54E-08	1.76E-07	2.33E-09	2.24E-07	3.78E-08	1.29E-07	1.67E-09	1.69E-07	4.29E-09	2.27E-08	3.98E-10	2.73E-08	3.90E-09	1.19E-08	1.20E-10	1.59E-08
5978	470256.47	3820390.6	4.49E-08	1.74E-07	2.31E-09	2.21E-07	3.74E-08	1.28E-07	1.66E-09	1.67E-07	4.24E-09	2.24E-08	3.93E-10	2.71E-08	3.85E-09	1.17E-08	1.19E-10	1.57E-08
5979	470266.17	3820390.74	4.44E-08	1.72E-07	2.28E-09	2.19E-07	3.70E-08	1.27E-07	1.64E-09	1.65E-07	4.20E-09	2.22E-08	3.89E-10	2.68E-08	3.81E-09	1.16E-08	1.18E-10	1.55E-08
5980	470081.62	3820464.46	4.58E-08	1.78E-07	2.35E-09	2.26E-07	3.82E-08	1.31E-07	1.69E-09	1.70E-07	4.33E-09	2.29E-08	4.02E-10	2.76E-08	3.93E-09	1.20E-08	1.21E-10	1.60E-08
5981	470072.74	3820460.62	4.63E-08	1.79E-07	2.38E-09	2.28E-07	3.85E-08	1.32E-07	1.71E-09	1.72E-07	4.37E-09	2.31E-08	4.05E-10	2.79E-08	3.97E-09	1.21E-08	1.23E-10	1.62E-08
5982	470063.86	3820456.78	4.67E-08	1.81E-07	2.40E-09	2.30E-07	3.89E-08	1.33E-07	1.72E-09	1.74E-07	4.41E-09	2.33E-08	4.09E-10	2.81E-08	4.01E-09	1.22E-08	1.24E-10	1.63E-08
5983	470054.99	3820452.94	4.71E-08	1.83E-07	2.42E-09	2.32E-07	3.92E-08	1.34E-07	1.74E-09	1.75E-07	4.45E-09	2.35E-08	4.12E-10	2.84E-08	4.04E-09	1.23E-08	1.25E-10	1.65E-08
5984	470046.11	3820449.1	4.74E-08	1.84E-07	2.44E-09	2.34E-07	3.95E-08	1.35E-07	1.75E-09	1.76E-07	4.48E-09	2.37E-08	4.16E-10	2.86E-08	4.07E-09	1.24E-08	1.26E-10	1.66E-08
5985	470037.23	3820445.26	4.78E-08	1.85E-07	2.46E-09	2.36E-07	3.98E-08	1.36E-07	1.76E-09	1.78E-07	4.51E-09	2.39E-08	4.19E-10	2.88E-08	4.10E-09	1.25E-08	1.27E-10	1.67E-08
5986	470028.35	3820441.43	4.81E-08	1.87E-07	2.47E-09	2.37E-07	4.01E-08	1.37E-07	1.78E-09	1.79E-07	4.55E-09	2.40E-08	4.22E-10	2.90E-08	4.13E-09	1.26E-08	1.28E-10	1.68E-08
5987	470019.47	3820437.59	4.84E-08	1.88E-07	2.49E-09	2.39E-07	4.03E-08	1.38E-07	1.79E-09	1.80E-07	4.57E-09	2.42E-08	4.24E-10	2.92E-08	4.16E-09	1.27E-08	1.28E-10	1.69E-08
5988	470010.59	3820433.75	4.87E-08	1.89E-07	2.50E-09	2.40E-07	4.05E-08	1.39E-07	1.80E-09	1.81E-07	4.60E-09	2.43E-08	4.27E-10	2.93E-08	4.18E-09	1.27E-08	1.29E-10	1.70E-08
5989	470001.71	3820429.91	4.89E-08	1.90E-07	2.51E-09	2.41E-07	4.07E-08	1.39E-07	1.80E-09	1.82E-07	4.62E-09	2.44E-08	4.28E-10	2.95E-08	4.20E-09	1.28E-08	1.30E-10	1.71E-08
5990	469992.83	3820426.07	4.91E-08	1.90E-07	2.52E-09	2.42E-07	4.09E-08	1.40E-07	1.81E-09	1.83E-07	4.63E-09	2.45E-08	4.30E-10	2.96E-08	4.21E-09	1.28E-08	1.30E-10	1.72E-08
5991	469983.96	3820422.23	4.92E-08	1.91E-07	2.53E-09	2.43E-07	4.10E-08	1.40E-07	1.82E-09	1.83E-07	4.65E-09	2.46E-08	4.31E-10	2.97E-08	4.23E-09	1.29E-08	1.30E-10	1.72E-08
5992	469975.08	3820418.39	4.94E-08	1.91E-07	2.54E-09	2.43E-07	4.11E-08	1.41E-07	1.82E-09	1.84E-07	4.66E-09	2.46E-08	4.32E-10	2.97E-08	4.24E-09	1.29E-08	1.31E-10	1.73E-08
5993	469966.2	3820414.55	4.94E-08	1.92E-07	2.54E-09	2.44E-07	4.12E-08	1.41E-07	1.82E-09	1.84E-07	4.67E-09	2.47E-08	4.33E-10	2.98E-08	4.24E-09	1.29E-08	1.31E-10	1.73E-08
5994	469957.32	3820410.71	4.95E-08	1.92E-07	2.54E-09	2.44E-07	4.12E-08	1.41E-07	1.83E-09	1.84E-07	4.67E-09	2.47E-08	4.34E-10	2.98E-08	4.25E-09	1.29E-08	1.31E-10	1.73E-08
5995	469948.44	3820406.87	4.95E-08	1.92E-07	2.54E-09	2.44E-07	4.12E-08	1.41E-07	1.83E-09	1.84E-07	4.67E-09	2.47E-08	4.34E-10	2.98E-08	4.25E-09	1.29E-08	1.31E-10	1.73E-08
5996	469939.56	3820403.03	4.95E-08	1.92E-07	2.54E-09	2.44E-07	4.12E-08	1.41E-07	1.82E-09	1.84E-07	4.67E-09	2.47E-08	4.33E-10	2.98E-08	4.25E-09	1.29E-08	1.31E-10	1.73E-08
5997	469930.68	3820399.19	4.94E-08	1.92E-07	2.54E-09	2.44E-07	4.11E-08	1.41E-07	1.82E-09	1.84E-07	4.66E-09	2.47E-08	4.33E-10	2.98E-08	4.24E-09	1.29E-08	1.31E-10	1.73E-08
5998	469921.8	3820395.35	4.93E-08	1.91E-07	2.53E-09	2.43E-07	4.11E-08	1.41E-07	1.82E-09	1.83E-07	4.66E-09	2.46E-08	4.32E-10	2.97E-08	4.23E-09	1.29E-08	1.31E-10	1.73E-08
5999	469912.92	3820391.51	4.92E-08	1.91E-07	2.53E-09	2.43E-07	4.10E-08	1.40E-07	1.81E-09	1.83E-07	4.65E-09	2.46E-08	4.31E-10	2.96E-08	4.22E-09	1.29E-08	1.30E-10	1.72E-08
6000	469904.05	3820387.67	4.91E-08	1.90E-07	2.52E-09	2.42E-07	4.09E-08	1.40E-07	1.81E-09	1.82E-07	4.63E-09	2.45E-08	4.30E-10	2.96E-08	4.21E-09	1.28E-08	1.30E-10	1.72E-08
6001	469895.17	3820383.83	4.89E-08	1.90E-07	2.51E-09	2.41E-07	4.07E-08	1.39E-07	1.80E-09	1.82E-07	4.62E-09	2.44E-08	4.28E-10	2.94E-08	4.20E-09	1.28E-08	1.30E-10	1.71E-08
6002	469886.29	3820379.99	4.87E-08	1.89E-07	2.50E-09	2.40E-07	4.05E-08	1.39E-07	1.79E-09	1.81E-07	4.60E-09	2.43E-08	4.26E-10	2.93E-08	4.18E-09	1.27E-08	1.29E-10	1.70E-08
6003	469877.41	3820376.15	4.84E-08	1.88E-07	2.49E-09	2.39E-07	4.03E-08	1.38E-07	1.79E-09	1.80E-07	4.57E-09	2.42E-08	4.24E-10	2.92E-08	4.16E-09	1.27E-08	1.28E-10	1.69E-08
6004	469868.53	3820372.31	4.82E-08	1.87E-07	2.48E-09	2.38E-07	4.01E-08	1.37E-07	1.78E-09	1.79E-07	4.55E-09	2.41E-08	4.22E-10	2.90E-08	4.14E-09	1.26E-08	1.28E-10	1.69E-08
6005	469859.65	3820368.48	4.79E-08	1.86E-07	2.46E-09	2.36E-07	3.99E-08	1.36E-07	1.77E-09	1.78E-07	4.52E-09	2.39E-08	4.20E-10	2.88E-08	4.11E-09	1.25E-08	1.27E-10	1.68E-08
6006	469850.77	3820364.64	4.76E-08	1.84E-07	2.44E-09	2.34E-07	3.96E-08	1.36E-07	1.75E-09	1.77E-07	4.49E-09	2.37E-08	4.17E-10	2.87E-08	4.08E-09	1.24E-08	1.26E-10	1.66E-08
6007	469841.89	3820360.8	4.72E-08	1.83E-07	2.43E-09	2.33E-07	3.93E-08	1.35E-07	1.74E-09	1.76E-07	4.46E-09	2.36E-08	4.14E-10	2.85E-08	4.06E-09	1.23E-08	1.25E-10	1.65E-08
6008	469833.02	3820356.96	4.69E-08	1.82E-07	2.41E-09	2.31E-07	3.91E-08	1.34E-07	1.73E-09	1.74E-07	4.43E-09	2.34E-08	4.11E-10	2.83E-08	4.03E-09	1.23E-08	1.24E-10	1.64E-08
6009	469824.14	3820353.12	4.65E-08	1.80E-07	2.39E-09	2.29E-07	3.88E-08	1.33E-07	1.72E-09	1.73E-07	4.39E-09	2.32E-08	4.08E-10	2.80E-08	3.99E-09	1.22E-08	1.23E-10	1.63E-08
6010	469815.26	3820349.28	4.62E-08	1.79E-07	2.37E-09	2.28E-07	3.84E-08	1.32E-07	1.70E-09	1.72E-07	4.36E-09	2.30E-08	4.04E-10	2.78E-08	3.96E-09	1.21E-08	1.22E-10	1.62E-08
6011	469806.38	3820345.44	4.58E-08	1.78E-07	2.35E-09	2.26E-07	3.81E-08	1.30E-07	1.69E-09	1.70E-07	4.32E-09	2.29E-08	4.01E-10	2.76E-08	3.93E-09	1.20E-08	1.21E-10	1.60E-08
6012	469797.5	3820341.6	4.54E-08	1.76E-07	2.33E-09	2.24E-07	3.78E-08	1.29E-07	1.67E-09	1.69E-07	4.28E-09	2.27E-08	3.98E-10	2.73E-08	3.90E-09	1.19E-08	1.20E-10	1.59E-08
6013	469788.62	3820337.76	4.50E-08	1.74E-07	2.31E-09	2.22E-07	3.75E-08	1.28E-07	1.66E-09	1.67E-07	4.25E-09	2.25E-08	3.94E-10	2.71E-08	3.86E-09	1.18E-08	1.19E-10	1.57E-08
6014	469726.47	3820310.88	4.20E-08	1.63E-07	2.16E-09	2.07E-07	3.50E-08	1.20E-07	1.55E-09	1.56E-07	3.97E-09	2.10E-08	3.68E-10	2.53E-08	3.61E-09	1.10E-08	1.11E-10	1.47E-08
6015	469717.59	3820307.04	4.16E-08	1.61E-07	2.14E-09	2.05E-07	3.46E-08	1.19E-07	1.53E-09	1.55E-07	3.93E-09	2.08E-08	3.64E-10	2.51E-08	3.57E-09	1.09E-08	1.10E-10	1.46E-08
6016	469708.71	3820303.2	4.12E-08	1.60E-07	2.12E-09	2.03E-07	3.43E-08	1.17E-07	1.52E-09	1.53E-07	3.89E-09	2.06E-08	3.61E-10	2.48E-08	3.53E-09	1.08E-08	1.09E-10	1.44E-08
6017	469699.83	3820299.37	4.08E-08	1.58E-07	2.09E-09	2.01E-07	3.39E-08	1.16E-07	1.50E-09	1.52E-07	3.85E-09	2.03E-08	3.57E-10	2.46E-08	3.50E-09	1.07E-08	1.08E-10	1.43E-08
6018	469611.04	3820260.97	3.69E-08	1.43E-07	1.90E-09	1.82E-07	3.08E-08	1.05E-07	1.36E-09	1.37E-07	3.49E-09	1.84E-08	3.24E-10	2.23E-08	3.17E-09	9.66E-09	9.79E-11	1.29E-08
6019	469602.17	3820257.13	3.66E-08	1.42E-07	1.88E-09	1.80E-07	3.05E-08	1.04E-07	1.35E-09	1.36E-07	3.46E-09	1.83E-08	3.21E-10	2.20E-08	3.14E-09	9.57E-09	9.70E-11	1.28E-08
6020	469593.29	3820253.29	3.62E-08	1.41E-07	1.86E-09	1.79E-07	3.02E-08	1.03E-07	1.34E-09	1.35E-07	3.42E-09	1.81E-08	3.18E-10	2.18E-08	3.11E-09	9.47E-09	9.61E-11	1.27E-08
6021	469584.41	3820249.45	3.59E-08	1.39E-07	1.84E-09	1.77E-07	2.99E-08	1.02E-07	1.32E-09	1.34E-07	3.39E-09	1.79E-08	3.15E-10	2.16E-08	3.08E-09	9.38E-09	9.52E-11	1.26E-08
6022	469575.53	3820245.61	3.56E-08	1.38E-07	1.83E-09	1.75E-07	2.96E-08	1.01E-07	1.31E-09	1.32E-07	3.36E-09	1.78E-08	3.12E-10	2.14E-08	3.05E-09	9.29E-09	9.43E-11	1.24E-08
6023	469566.65	3820241.77	3.52E-08	1.37E-07	1.81E-09	1.74E-07	2.93E-08	1.00E-07	1.30E-09	1.31E-07	3.33E-09	1.76E-08	3.09E-10	2.12E-08	3.02E-09	9.20E-09	9.33E-11	1.23E-08
6024	469557.77	3820237.93	3.49E-08	1.35E-07	1.79E-09	1.72E-07	2.90E-08	9.94E-08	1.29E-09	1.30E-07	3.29E-09	1.74E-08	3.06E-10	2.10E-08	2.99E-09	9.12E-09	9.24E-11	1.22E-08
6025	469548.89	3820234.09	3.45E-08	1.34E-07	1.77E-09	1.70E-07	2.88E-08	9.84E-08	1.27E-09	1.28E-07	3.26E-09	1.72E-08	3.03E-10	2.08E-08	2.96E-09	9.03E-09	9.15E-11	1.21E-08
6026	469540.01	3820230.26	3.42E-08	1.33E-07	1.76E-09	1.69E-07	2.85E-08	9.74E-08	1.26E-09	1.27E-07	3.23E-09	1.71E-08	3.00E-10	2.06E-08	2.94E-09	8.94E-09	9.06E-11	1.20E-08
6027	469531.13	3820226.42	3.39E-08	1.31E-07	1.74E-09	1.67E-07	2.82E-08	9.65E-08	1.25E-09	1.26E-07	3.20E-09	1.69E-08	2.97E-10	2.04E-08	2.91E-09	8.85E-09	8.97E-11	1.18E-08
6028	469522.26	3820222.58	3.35E-08	1.30E-07	1.72E-09	1.65E-07	2.79E-08	9.55E-08	1.24E-09	1.25E-07	3.16E-09	1.67E-08	2.94E-10	2.02E-08	2.88E-09	8.76E-09	8.88E-11	1.17E-08
6029	469513.38	3820218.74	3.32E-08	1.29E-07	1.70E-09	1.64E-07	2.76E-08	9.45E-08	1.22E-09	1.23E-07	3.13E-09	1.66E-08	2.91E-10	2.00E-08	2.85E-09	8.67E-09	8.79E-11	1.16E-08
6030	469504.5	3820214.9	3.28E-08	1.27E-07	1.69E-09	1.62E-07	2.73E-08	9.35E-08	1.21E-09	1.22E-07	3.10E-09	1.64E-08	2.88E-10	1.98E-08	2.82E-09	8.58E-09	8.70E-11	1.15E-08
6031	469495.62	3820211.06	3.25E-08	1.26E-07	1.67E-09	1.60E-07	2.70E-08	9.25E-08	1.20E-09	1.21E-07	3.07E-09	1.62E-08	2.85E-10	1.96E-08	2.79E-09	8.49E-09	8.61E-11	1.14E-08
6032	469486.74	3820207.22	3.21E-08	1.25E-07	1.65E-09	1.58E-07	2.68E-08	9.15E-08	1.18E-09	1.19E-07	3.03E-09	1.60E-08	2.81E-10	1.94E-08	2.76E-09	8.40E-09	8.52E-11	1.12E-08
6033	469477.86	3820203.38	3.18E-08	1.23E-07	1.63E-09	1.57E-07	2.65E-08	9.05E-08	1.17E-09	1.18E-07	3.00E-09	1.59E-08	2.78E-10	1.91E-08	2.73E-09	8.30E-09	8.42E-11	1.11E-08
6034	469468.98	3820199.54	3.14E-08	1.22E-07	1.61E-09	1.55E-07	2.62E-08	8.95E-08	1.16E-09	1.17E-07	2.97E-09	1.57E-08	2.75E-10	1.89E-08	2.70E-09	8.21E-09	8.33E-11	1.10E-08
6035	469460.1	3820195.7	3.10E-08	1.20E-07	1.60E-09	1.53E-07	2.59E-08	8.85E-08	1.14E-09	1.15E-07	2.93E-09	1.55E-08	2.72E-10	1.87E-08	2.67E-09	8.12E-09	8.23E-11	1.09E-08
6036	469451.23	3820191.86	3.07E-08	1.19E-07	1.58E-09	1.51E-07	2.56E-08	8.74E-08	1.13E-09	1.14E-07	2.90E-09	1.53E-08	2.69E-10	1.85E-08	2.63E-09	8.02E-09	8.13E-11	1.07E-08
6037	469442.35	3820188.02	3.03E-08	1.18E-07	1.56E-09	1.49E-07	2.52E-08	8.64E-08	1.12E-09	1.13E-07	2.86E-09	1.51E-08	2.66E-10	1.83E-08	2.60E-09	7.92E-09	8.03E-11	1.06E-08
6038	469433.47	3820184.18	2.99E-08	1.16E-07	1.54E-09	1.48E-07	2.49E-08	8.53E-08	1.10E-09	1.11E-07	2.83E-09	1.49E-08	2.62E-10	1.80E-08	2.57E-09	7.82E-09	7.93E-11	1.05E-08
6039	469424.59	3820180.34	2.96E-08	1.15E-07	1.52E-09	1.46E-07	2.46E-08	8.42E-08	1.09E-09	1.10E-07	2.79E-09	1.48E-08	2.59E-10	1.78E-08	2.54E-09	7.73E-09	7.83E-11	1.03E-08
6040	469415.71	3820176.5	2.92E-08	1.13E-07	1.50E-09	1.44E-07	2.43E-08	8.31E-08	1.08E-09	1.08E-07	2.75E-09	1.46E-08	2.56E-10	1.76E-08	2.50E-09	7.62E-09	7.73E-11	1.02E-08
6041	469406.83	3820172.66	2.88E-08	1.12E-07	1.48E-09	1.42E-07	2.40E-08	8.20E-08	1.06E-09	1.07E-07	2.72E-09	1.44E-08	2.52E-10	1.73E-08	2.47E-09	7.52E-09	7.63E-11	1.01E-08
6042	469397.95	3820168.82	2.84E-08	1.10E-07	1.46E-09	1.40E-07	2.36E-08	8.09E-08	1.05E-09	1.06E-07	2.68E-09	1.42E-08	2.49E-10	1.71E-08	2.44E-09	7.42E-09	7.52E-11	9.93E-09
6043	469389.07	3820164.98	2.80E-08	1.09E-07	1.44E-09	1.38E-07	2.33E-08	7.97E-08	1.03E-09	1.04E-07	2.64E-09	1.40E-08	2.45E-10	1.69E-08	2.40E-09	7.31E-09	7.42E-11	9.79E-09
6044	469380.19	3820161.15	2.76E-08	1.07E-07	1.42E-09	1.36E-07	2.30E-08	7.86E-08	1.02E-09	1.03E-07	2.60E-09	1.38E-08	2.42E-10	1.66E-08	2.37E-09	7.21E-09	7.31E-11	9.

6045	469367.78	3820148.3	2.71E-08	1.05E-07	1.39E-09	1.33E-07	2.25E-08	7.71E-08	9.98E-10	1.01E-07	2.56E-09	1.35E-08	2.37E-10	1.63E-08	2.32E-09	7.07E-09	7.17E-11	9.47E-09
6046	469364.24	3820139.3	2.69E-08	1.04E-07	1.38E-09	1.33E-07	2.24E-08	7.68E-08	9.94E-10	1.00E-07	2.54E-09	1.34E-08	2.36E-10	1.62E-08	2.31E-09	7.04E-09	7.14E-11	9.43E-09
6047	469360.71	3820130.29	2.68E-08	1.04E-07	1.38E-09	1.32E-07	2.23E-08	7.64E-08	9.89E-10	9.97E-08	2.53E-09	1.34E-08	2.35E-10	1.62E-08	2.30E-09	7.01E-09	7.11E-11	9.38E-09
6048	469357.17	3820121.29	2.67E-08	1.03E-07	1.37E-09	1.31E-07	2.22E-08	7.60E-08	9.84E-10	9.92E-08	2.52E-09	1.33E-08	2.34E-10	1.61E-08	2.29E-09	6.97E-09	7.07E-11	9.33E-09
6049	469353.64	3820112.29	2.65E-08	1.03E-07	1.36E-09	1.31E-07	2.21E-08	7.56E-08	9.78E-10	9.86E-08	2.50E-09	1.32E-08	2.32E-10	1.60E-08	2.28E-09	6.93E-09	7.03E-11	9.28E-09
6050	469350.1	3820103.28	2.63E-08	1.02E-07	1.35E-09	1.30E-07	2.19E-08	7.51E-08	9.72E-10	9.80E-08	2.49E-09	1.32E-08	2.31E-10	1.59E-08	2.26E-09	6.89E-09	6.98E-11	9.22E-09
6051	469346.56	3820094.28	2.62E-08	1.01E-07	1.34E-09	1.29E-07	2.18E-08	7.46E-08	9.65E-10	9.73E-08	2.47E-09	1.31E-08	2.29E-10	1.58E-08	2.25E-09	6.84E-09	6.94E-11	9.15E-09
6052	469343.03	3820085.27	2.60E-08	1.01E-07	1.33E-09	1.28E-07	2.16E-08	7.40E-08	9.58E-10	9.66E-08	2.45E-09	1.30E-08	2.28E-10	1.56E-08	2.23E-09	6.79E-09	6.88E-11	9.09E-09
6053	469339.49	3820076.27	2.58E-08	9.99E-08	1.32E-09	1.27E-07	2.15E-08	7.34E-08	9.50E-10	9.58E-08	2.43E-09	1.29E-08	2.26E-10	1.55E-08	2.21E-09	6.74E-09	6.83E-11	9.02E-09
6054	469335.96	3820067.27	2.55E-08	9.91E-08	1.31E-09	1.26E-07	2.13E-08	7.28E-08	9.42E-10	9.50E-08	2.41E-09	1.28E-08	2.24E-10	1.54E-08	2.19E-09	6.68E-09	6.77E-11	8.94E-09
6055	469332.42	3820058.26	2.53E-08	9.82E-08	1.30E-09	1.25E-07	2.11E-08	7.21E-08	9.33E-10	9.41E-08	2.39E-09	1.26E-08	2.22E-10	1.52E-08	2.17E-09	6.62E-09	6.71E-11	8.86E-09
6056	469328.88	3820049.26	2.51E-08	9.72E-08	1.29E-09	1.24E-07	2.09E-08	7.14E-08	9.25E-10	9.32E-08	2.37E-09	1.25E-08	2.20E-10	1.51E-08	2.15E-09	6.55E-09	6.65E-11	8.77E-09
6057	469325.35	3820040.25	2.48E-08	9.62E-08	1.27E-09	1.22E-07	2.07E-08	7.07E-08	9.15E-10	9.23E-08	2.34E-09	1.24E-08	2.17E-10	1.49E-08	2.13E-09	6.49E-09	6.58E-11	8.68E-09
6058	469190.98	3819698.1	1.07E-08	4.15E-08	5.50E-10	5.28E-08	8.91E-09	3.05E-08	3.95E-10	3.98E-08	1.01E-09	5.34E-09	9.38E-11	6.45E-09	9.19E-10	2.80E-09	2.84E-11	3.74E-09
6059	469187.45	3819689.1	1.04E-08	4.02E-08	5.33E-10	5.11E-08	8.64E-09	2.96E-08	3.83E-10	3.86E-08	9.80E-10	5.18E-09	9.09E-11	6.25E-09	8.91E-10	2.71E-09	2.75E-11	3.63E-09
6060	469183.91	3819680.09	1.01E-08	3.90E-08	5.17E-10	4.96E-08	8.37E-09	2.87E-08	3.71E-10	3.74E-08	9.49E-10	5.02E-09	8.81E-11	6.06E-09	8.63E-10	2.63E-09	2.67E-11	3.52E-09
6061	469180.37	3819671.09	9.74E-09	3.78E-08	5.01E-10	4.80E-08	8.12E-09	2.78E-08	3.59E-10	3.62E-08	9.20E-10	4.87E-09	8.54E-11	5.87E-09	8.37E-10	2.55E-09	2.58E-11	3.41E-09
6062	469176.84	3819662.09	9.44E-09	3.66E-08	4.85E-10	4.66E-08	7.87E-09	2.69E-08	3.48E-10	3.51E-08	8.92E-10	4.71E-09	8.27E-11	5.69E-09	8.11E-10	2.47E-09	2.50E-11	3.30E-09
6063	469173.3	3819653.08	9.15E-09	3.55E-08	4.70E-10	4.51E-08	7.62E-09	2.61E-08	3.37E-10	3.40E-08	8.64E-10	4.57E-09	8.02E-11	5.51E-09	7.85E-10	2.39E-09	2.43E-11	3.20E-09
6064	469169.77	3819644.08	8.86E-09	3.44E-08	4.55E-10	4.37E-08	7.38E-09	2.53E-08	3.27E-10	3.30E-08	8.37E-10	4.42E-09	7.77E-11	5.34E-09	7.61E-10	2.32E-09	2.35E-11	3.10E-09
6065	469166.23	3819635.07	8.58E-09	3.33E-08	4.41E-10	4.23E-08	7.15E-09	2.45E-08	3.17E-10	3.19E-08	8.11E-10	4.29E-09	7.52E-11	5.17E-09	7.37E-10	2.24E-09	2.28E-11	3.00E-09
6066	469162.7	3819626.07	8.32E-09	3.23E-08	4.27E-10	4.10E-08	6.93E-09	2.37E-08	3.07E-10	3.09E-08	7.86E-10	4.15E-09	7.29E-11	5.01E-09	7.14E-10	2.17E-09	2.21E-11	2.91E-09
6067	469159.16	3819617.07	8.06E-09	3.13E-08	4.14E-10	3.98E-08	6.72E-09	2.30E-08	2.97E-10	3.00E-08	7.62E-10	4.03E-09	7.07E-11	4.86E-09	6.92E-10	2.11E-09	2.14E-11	2.82E-09
6068	469155.62	3819608.06	7.81E-09	3.03E-08	4.01E-10	3.85E-08	6.51E-09	2.23E-08	2.88E-10	2.91E-08	7.38E-10	3.90E-09	6.85E-11	4.71E-09	6.71E-10	2.04E-09	2.07E-11	2.73E-09
6069	469152.09	3819599.06	7.58E-09	2.94E-08	3.89E-10	3.74E-08	6.31E-09	2.16E-08	2.79E-10	2.82E-08	7.16E-10	3.78E-09	6.64E-11	4.57E-09	6.51E-10	1.98E-09	2.01E-11	2.65E-09
6070	469148.55	3819590.05	7.35E-09	2.85E-08	3.78E-10	3.62E-08	6.12E-09	2.10E-08	2.71E-10	2.73E-08	6.94E-10	3.67E-09	6.44E-11	4.43E-09	6.31E-10	1.92E-09	1.95E-11	2.57E-09
6071	469145.02	3819581.05	7.14E-09	2.77E-08	3.67E-10	3.52E-08	5.95E-09	2.03E-08	2.63E-10	2.65E-08	6.74E-10	3.56E-09	6.25E-11	4.30E-09	6.13E-10	1.87E-09	1.89E-11	2.50E-09
6072	469141.48	3819572.05	6.93E-09	2.69E-08	3.56E-10	3.42E-08	5.77E-09	1.98E-08	2.56E-10	2.58E-08	6.54E-10	3.46E-09	6.07E-11	4.18E-09	5.95E-10	1.81E-09	1.84E-11	2.43E-09
6073	469137.94	3819563.04	6.73E-09	2.61E-08	3.46E-10	3.32E-08	5.61E-09	1.92E-08	2.48E-10	2.50E-08	6.36E-10	3.36E-09	5.90E-11	4.05E-09	5.78E-10	1.76E-09	1.78E-11	2.36E-09
6074	469134.41	3819554.04	6.54E-09	2.54E-08	3.36E-10	3.22E-08	5.45E-09	1.86E-08	2.41E-10	2.43E-08	6.18E-10	3.27E-09	5.73E-11	3.94E-09	5.62E-10	1.71E-09	1.73E-11	2.29E-09
6075	469130.87	3819545.03	6.36E-09	2.47E-08	3.27E-10	3.14E-08	5.30E-09	1.81E-08	2.35E-10	2.37E-08	6.01E-10	3.17E-09	5.57E-11	3.83E-09	5.46E-10	1.66E-09	1.69E-11	2.23E-09
6076	469127.34	3819536.03	6.18E-09	2.40E-08	3.18E-10	3.05E-08	5.15E-09	1.76E-08	2.28E-10	2.30E-08	5.84E-10	3.09E-09	5.42E-11	3.73E-09	5.31E-10	1.62E-09	1.64E-11	2.16E-09
6077	469123.8	3819527.03	6.02E-09	2.33E-08	3.09E-10	2.97E-08	5.01E-09	1.71E-08	2.22E-10	2.24E-08	5.68E-10	3.00E-09	5.27E-11	3.63E-09	5.17E-10	1.57E-09	1.60E-11	2.11E-09
6078	469120.26	3819518.02	5.86E-09	2.27E-08	3.01E-10	2.89E-08	4.88E-09	1.67E-08	2.16E-10	2.18E-08	5.53E-10	2.93E-09	5.14E-11	3.53E-09	5.03E-10	1.53E-09	1.55E-11	2.05E-09
6079	469116.73	3819509.02	5.71E-09	2.21E-08	2.93E-10	2.81E-08	4.75E-09	1.63E-08	2.11E-10	2.12E-08	5.39E-10	2.85E-09	5.00E-11	3.44E-09	4.90E-10	1.49E-09	1.51E-11	2.00E-09
6080	469113.19	3819500.01	5.56E-09	2.16E-08	2.86E-10	2.74E-08	4.63E-09	1.59E-08	2.05E-10	2.07E-08	5.25E-10	2.78E-09	4.88E-11	3.35E-09	4.78E-10	1.45E-09	1.47E-11	1.95E-09
6081	469109.66	3819491.01	5.42E-09	2.10E-08	2.79E-10	2.67E-08	4.52E-09	1.55E-08	2.00E-10	2.02E-08	5.12E-10	2.71E-09	4.75E-11	3.27E-09	4.65E-10	1.42E-09	1.44E-11	1.90E-09
6082	469106.12	3819482.01	5.28E-09	2.05E-08	2.71E-10	2.60E-08	4.40E-09	1.51E-08	1.95E-10	1.97E-08	4.99E-10	2.64E-09	4.63E-11	3.18E-09	4.54E-10	1.38E-09	1.40E-11	1.85E-09
6083	469102.58	3819473	5.15E-09	2.00E-08	2.65E-10	2.54E-08	4.29E-09	1.47E-08	1.90E-10	1.92E-08	4.87E-10	2.57E-09	4.52E-11	3.10E-09	4.42E-10	1.35E-09	1.37E-11	1.80E-09
6084	470090.5	3820468.3	4.54E-08	1.76E-07	2.33E-09	2.24E-07	3.78E-08	1.29E-07	1.67E-09	1.69E-07	4.28E-09	2.26E-08	3.97E-10	2.73E-08	3.89E-09	1.19E-08	1.20E-10	1.59E-08
6085	470100.2	3820468.44	4.51E-08	1.75E-07	2.32E-09	2.22E-07	3.76E-08	1.29E-07	1.66E-09	1.68E-07	4.26E-09	2.25E-08	3.95E-10	2.72E-08	3.87E-09	1.18E-08	1.20E-10	1.58E-08
6086	470109.9	3820468.57	4.49E-08	1.74E-07	2.31E-09	2.21E-07	3.74E-08	1.28E-07	1.65E-09	1.67E-07	4.24E-09	2.24E-08	3.93E-10	2.70E-08	3.85E-09	1.17E-08	1.19E-10	1.57E-08
6087	470119.59	3820468.71	4.46E-08	1.73E-07	2.29E-09	2.20E-07	3.72E-08	1.27E-07	1.65E-09	1.66E-07	4.21E-09	2.23E-08	3.91E-10	2.69E-08	3.83E-09	1.17E-08	1.18E-10	1.56E-08
6088	470129.29	3820468.84	4.43E-08	1.72E-07	2.28E-09	2.19E-07	3.69E-08	1.26E-07	1.63E-09	1.65E-07	4.19E-09	2.21E-08	3.88E-10	2.67E-08	3.81E-09	1.16E-08	1.18E-10	1.55E-08
6089	470138.99	3820468.98	4.40E-08	1.71E-07	2.26E-09	2.17E-07	3.67E-08	1.25E-07	1.62E-09	1.64E-07	4.16E-09	2.20E-08	3.86E-10	2.65E-08	3.78E-09	1.15E-08	1.17E-10	1.54E-08
6090	470148.68	3820469.11	4.37E-08	1.69E-07	2.24E-09	2.15E-07	3.64E-08	1.25E-07	1.61E-09	1.63E-07	4.13E-09	2.18E-08	3.83E-10	2.63E-08	3.75E-09	1.14E-08	1.16E-10	1.53E-08
6091	470158.38	3820469.25	4.33E-08	1.68E-07	2.23E-09	2.14E-07	3.61E-08	1.23E-07	1.60E-09	1.61E-07	4.09E-09	2.16E-08	3.80E-10	2.61E-08	3.72E-09	1.13E-08	1.15E-10	1.52E-08
6092	470168.08	3820469.38	4.30E-08	1.67E-07	2.21E-09	2.12E-07	3.58E-08	1.22E-07	1.58E-09	1.60E-07	4.06E-09	2.15E-08	3.77E-10	2.59E-08	3.69E-09	1.12E-08	1.14E-10	1.50E-08
6093	470177.78	3820469.52	4.26E-08	1.65E-07	2.19E-09	2.10E-07	3.55E-08	1.21E-07	1.57E-09	1.58E-07	4.02E-09	2.13E-08	3.73E-10	2.57E-08	3.66E-09	1.11E-08	1.13E-10	1.49E-08
6094	470187.47	3820469.65	4.22E-08	1.64E-07	2.17E-09	2.08E-07	3.52E-08	1.20E-07	1.56E-09	1.57E-07	3.99E-09	2.11E-08	3.70E-10	2.54E-08	3.62E-09	1.10E-08	1.12E-10	1.48E-08
6095	470197.17	3820469.79	4.18E-08	1.62E-07	2.15E-09	2.06E-07	3.48E-08	1.19E-07	1.54E-09	1.56E-07	3.95E-09	2.09E-08	3.66E-10	2.52E-08	3.59E-09	1.09E-08	1.11E-10	1.46E-08
6096	470206.87	3820469.92	4.14E-08	1.61E-07	2.13E-09	2.04E-07	3.45E-08	1.18E-07	1.53E-09	1.54E-07	3.91E-09	2.07E-08	3.63E-10	2.50E-08	3.56E-09	1.08E-08	1.10E-10	1.45E-08
6097	470216.57	3820470.06	4.10E-08	1.59E-07	2.11E-09	2.02E-07	3.42E-08	1.17E-07	1.51E-09	1.53E-07	3.87E-09	2.05E-08	3.59E-10	2.47E-08	3.52E-09	1.07E-08	1.09E-10	1.44E-08
6098	470226.26	3820470.19	4.06E-08	1.58E-07	2.09E-09	2.00E-07	3.38E-08	1.16E-07	1.50E-09	1.51E-07	3.84E-09	2.03E-08	3.56E-10	2.45E-08	3.49E-09	1.06E-08	1.08E-10	1.42E-08
6099	470235.96	3820470.33	4.02E-08	1.56E-07	2.07E-09	1.98E-07	3.35E-08	1.15E-07	1.48E-09	1.50E-07	3.80E-09	2.01E-08	3.52E-10	2.42E-08	3.45E-09	1.05E-08	1.07E-10	1.41E-08
6100	470245.66	3820470.46	3.98E-08	1.54E-07	2.05E-09	1.96E-07	3.32E-08	1.13E-07	1.47E-09	1.48E-07	3.76E-09	1.99E-08	3.49E-10	2.40E-08	3.42E-09	1.04E-08	1.06E-10	1.39E-08
6101	470255.35	3820470.6	3.94E-08	1.53E-07	2.02E-09	1.94E-07	3.28E-08	1.12E-07	1.45E-09	1.47E-07	3.72E-09	1.97E-08	3.45E-10	2.37E-08	3.38E-09	1.03E-08	1.04E-10	1.38E-08
6102	470265.05	3820470.73	3.90E-08	1.51E-07	2.00E-09	1.92E-07	3.25E-08	1.11E-07	1.44E-09	1.45E-07	3.68E-09	1.95E-08	3.42E-10	2.35E-08	3.35E-09	1.02E-08	1.03E-10	1.37E-08
6103	470080.57	3820544.48	4.05E-08	1.57E-07	2.08E-09	2.00E-07	3.37E-08	1.15E-07	1.49E-09	1.51E-07	3.82E-09	2.02E-08	3.55E-10	2.44E-08	3.48E-09	1.06E-08	1.07E-10	1.42E-08
6104	470071.76	3820540.67	4.09E-08	1.59E-07	2.10E-09	2.02E-07	3.41E-08	1.17E-07	1.51E-09	1.52E-07	3.86E-09	2.04E-08	3.58E-10	2.46E-08	3.51E-09	1.07E-08	1.08E-10	1.43E-08
6105	470062.95	3820536.86	4.13E-08	1.60E-07	2.12E-09	2.03E-07	3.44E-08	1.18E-07	1.52E-09	1.53E-07	3.90E-09	2.06E-08	3.62E-10	2.49E-08	3.54E-09	1.08E-08	1.09E-10	1.44E-08
6106	470054.13	3820533.05	4.16E-08	1.61E-07	2.14E-09	2.05E-07	3.47E-08	1.19E-07	1.53E-09	1.55E-07	3.93E-09	2.08E-08	3.65E-10	2.51E-08	3.57E-09	1.09E-08	1.10E-10	1.46E-08
6107	470045.32	3820529.24	4.19E-08	1.63E-07	2.16E-09	2.07E-07	3.49E-08	1.20E-07	1.55E-09	1.56E-07	3.96E-09	2.09E-08	3.68E-10	2.53E-08	3.60E-09	1.10E-08	1.11E-10	1.47E-08
6108	470036.51	3820525.43	4.23E-08	1.64E-07	2.17E-09	2.08E-07	3.52E-08	1.20E-07	1.56E-09	1.57E-07	3.99E-09	2.11E-08	3.70E-10	2.55E-08	3.63E-09	1.10E-08	1.12E-10	1.48E-08
6109	470027.69	3820521.61	4.25E-08	1.65E-07	2.19E-09	2.10E-07	3.54E-08	1.21E-07	1.57E-09	1.58E-07	4.02E-09	2.12E-08	3.73E-10	2.56E-08	3.65E-09	1.11E-08	1.13E-10	1.49E-08
6110	470018.88	3820517.8	4.28E-08	1.66E-07	2.20E-09	2.11E-07	3.57E-08	1.22E-07	1.58E-09	1.59E-07	4.04E-09	2.14E-08	3.75E-10	2.58E-08	3.68E-09	1.12E-08	1.13E-10	1.50E-08
6111	470010.07	3820513.99	4.31E-08	1.67E-07	2.21E-09	2.12E-07	3.59E-08	1.23E-07	1.59E-09	1.60E-07	4.07E-09	2.15E-08	3.77E-10	2.60E-08	3.70E-09	1.13E-08	1.14E-10	1.51E-08
6112	470001.25	3820510.18	4.33E-08	1.68E-07	2.23E-09	2.13E-07	3.61E-08	1.23E-07	1.60E-09	1.61E-07	4.09E-09	2.16E-08	3.79E-10	2.61E-08	3.72E-09	1.13E-08	1.15E-10	1.52E-08
6113	469992.44	3820506.37	4.35E-08	1.69E-07	2.24E-09	2.15E-07	3.62E-08	1.24E-07	1.60E-09	1.62E-07	4.11E-09	2.17E-08	3.81E-10	2.62E-08	3.74E-09	1.14E-08	1.15E-10	1.52E-08
6114	469983.63	3820502.56	4.37E-08	1.69E-07	2.24E-09	2.15E-07	3.64E-08	1.25E-07	1.61E-09	1.63E-07	4.13E-09	2.18E-08	3.83E-10	2.63E-08	3.75E-09	1.14E-08	1.16E-10	1.53E-08
6115	469974.81	3820498.75	4.38E-08	1.70E-07	2.25E-09	2.16E-07	3.65E-08	1.25E-07	1.62E-09	1.63E-07	4.14E-09	2.19E-08	3.84E-10	2.64E-08	3.76E-09	1.15E-08	1.16E-10	1.53E-08
6116	469966	3820494.94	4.40E-08	1.70E-07	2.26E-09	2.17E-07	3.66E-08	1.25E-07	1.62E-09	1.64E-07	4.15E-09	2.19E-08	3.85E-10	2.65E-08	3.77E-09	1.15E-08	1.17E-10	1.54E-08
6117	469957.18	3820491.13	4.40E-08	1.71E-07	2.26E-09	2.17E-07	3.67E-08	1.26E-07	1.62E-09	1.64E-07	4.16E-09	2.20E-08	3.86E-10	2.65E-08	3.78E-09	1.15E-08	1.17E-10	1.54E-08
6118	469948.37	3820487.31	4.41E-08	1.71E-07	2.27E-09	2.17E-07	3.67E-08	1.26E-07	1.63E-09	1.64E-07	4.16E-09	2.20E-08	3.86E-10	2.66E-08	3.79E-09	1.15E-08	1.17E-10	1.54E-08
6119	469939.56	3820483.5	4.41E-08	1.71E-07	2.27E-09	2.17E-07	3.67E-08	1.26E-07	1.63E-09	1.64E-07	4.17E-09	2.20E-08	3.87E-10	2.66E-08	3.79E-09	1.15E-08	1.17E-10	1.54E-08
6120	469930.74	3820479.69	4.41E-08	1.71E-07	2.27E-09	2.17E-07	3.67E-08	1.26E-07	1.63E-09	1.64E-07	4.16E-09	2.20E-08	3.87E-10	2.66E-08	3.79E-09	1.15E-08	1.17E-10	1.54E-08
6121	469921.93	3820475.88	4.41E-08	1.71E-07	2.27E-09	2.17E-07	3.67E-08	1.26E-07	1.63E-09	1.64E-07	4.16E-09	2.20E-08	3.86E-10	2.66E-08	3.78E-09	1.15E-08	1.17E-10	1.54E-08
6122	469913.12	3820472.07	4.40E-08	1.71E-07	2.26E-09	2.17E-07	3.67E-08	1.25E-07	1.62E-09	1.64E-07	4.16E-09	2.20E-08	3.86E-10	2.65E-08	3.78E-09	1.15E-08	1.17E-10	1.54E-08
6123	469904.3	3820468.26	4.40E-08	1.70E-07	2.26E-09	2.17E-07	3.66E-08	1.25E-07	1.62E-09	1.64E-07	4.15E-09	2.19E-08	3.85E-10	2.65E-08	3.77E-09	1.15E-08	1.17E-10	1.54E-08
6124	469895.49	3820464.45	4.39E-08	1.70E-07	2.25E-09	2.16E-07	3.65E-08	1.25E-07	1.62E-09	1.63E-07	4.14E-09	2.19E-08	3.84E-10	2.64E-08	3.76E-09	1.15E-08	1.16E-10	1.53E-08
6125	469886.68	3820460.64	4.37E-08	1.70E-07	2.25E-09	2.15E-07	3.64E-08	1.25E-07	1.61E-09	1.63E-07	4.13E-09	2.18E-08	3.83E-10	2.63E-08	3.75E-09	1.14E-08	1.16E-10	1.53E-08
6126	469877.86	3820456.82	4.35E-08	1.69E-07	2.24E-09	2.15E-07	3.63E-08	1.24E-07	1.61E-09	1.62E-07	4.11E-09	2.17E-08	3.82E-10	2.62E-08	3.74E-09	1.14E-08	1.15E-10	1.52E-08
6127	469869.05	3820453.01	4.34E-08	1.68E-07	2.23E-09	2.14E-07	3.61E-08	1.24E-07	1.60E-09	1.61E-07	4.09E-09	2.16E-08	3.80E-10	2.61E-08	3.72E-09	1.13E-08	1.15E-10	1.52E-08
6128	469860.24	3820449.2	4.32E-08	1.67E-07	2.22E-09	2.13E-07	3.60E-08	1.23E-07	1.59E-09	1.61E-07	4.08E-09	2.16E-08	3.78E-10	2.60E-08	3.71E-09	1.13E-08	1.14E-10	1.51E-08
6129	469851.42	3820445.39	4.29E-08	1.67E-07	2.21E-09	2.12E-07	3.58E-08	1.22E-07	1.58E-09	1.60E-07	4.06E-09	2.14E-08	3.76E-10	2.59E-08	3.69E-09	1.12E-08	1.14E-10	1.50E-08
6130	469842.61	3820441.58	4.27E-08	1.66E-07	2.19E-09	2.11E-07	3.56E-08	1.22E-07	1.58E-09	1.59E-07	4.03E-09	2.13E-08	3.74E-10	2.57E-08	3.67E-09	1.12E-08	1.13E-10	1.49E-08
6131	469833.79	3820437.77	4.25E-08	1.65E-07	2.18E-09	2.09E-07	3.54E-08	1.21E-07	1.57E-09	1.58E-07	4.01E-09	2.12E-08	3.72E-10	2.56E-08	3.64E-09	1.11E-08	1.13E-10	1.49E-08
6132	469824.98	3820433.96	4.22E-08	1.64E-07	2.17E-09	2.08E-07	3.51E-08	1.20E-07	1.56E-09	1.57E-07	3.98E-09	2.11E-08	3.70E-10	2.54E-08	3.62E-09	1.10E-08	1.12E-10	1.48E-08
6133	469816.17	3820430.15	4.19E-08	1.63E-07	2.15E-09	2.07E-07	3.49E-08	1.19E-07	1.55E-09	1.56E-07	3.96E-09	2.09E-08	3.67E-10	2.52E-08	3.60E-09	1.10E-08	1.11E-10	1.47E-08
6134	469807.35	3820426.33	4.16E-08	1.61E-07	2.14E-09	2.05E-07	3.47E-08	1.19E-07	1.53E-09	1.55E-07	3.93E-09	2.08E-08	3.65E-10	2.51E-08	3.57E-09	1.09E-08	1.10E-10	1.46E-08
6135	469798.54	3820422.52	4.13E-08	1.60E-07	2.12E-09	2.04E-07	3.44E-08	1.18E-07	1.52E-09	1.54E-07	3.90E-09	2.06E-08	3.62E-10	2.49E-08	3.54E-09	1.08E-08	1.09E-10	1.44E-08
6136	469789.73	3820418.71	4.09E-08	1.59E-07	2.10E-09	2.02E-07	3.41E-08	1.17E-07	1.51E-09	1.52E-07	3.87E-09	2.04E-08	3.59E-10	2.47E-08	3.52E-09	1.07E-08	1.09E-10	1.43E-08
6137	469780.91	3820414.9	4.06E-08	1.58E-07	2.09E-09	2.00E-07	3.38E-08	1.16E-07	1.50E-09	1.51E-07	3.83E-09	2.03E-08	3.56E-10	2.45E-08	3.49E-09	1.06E-08	1.08E-10	1.42E-08
6138	469772.1	3820411.09	4.03E-08	1.56E-07	2.07E-09	1.99E-07	3.35E-08	1.15E-07	1.49E-09	1.50E-07	3.80E-09	2.01E-08	3.53E-10	2.43E-08	3.46E-09	1.05E-08	1.07E-10	1.41E-08
6139	469763.29	3820407.28	3.99E-08	1.55E-07	2.05E-09	1.97E-07	3.33E-08	1.14E-07	1.47E-09	1.49E-07	3.77E-09	1.99E-08	3.50E-10	2.41E-08	3.43E-09	1.04E-08	1.06E-10	1.40E-08
6140	469754.47	3820403.47	3.96E-08	1.54E-07	2.03E-09	1.95E-07	3.30E-08	1.13E-07	1.46E-09	1.47E-07	3.74E-09	1.98E-08	3.47E-10	2.38E-08	3.40E-09	1.03E-08	1.05E-10	1.38E

6141	469745.66	3820399.66	3.92E-08	1.52E-07	2.02E-09	1.93E-07	3.27E-08	1.12E-07	1.45E-09	1.46E-07	3.70E-09	1.96E-08	3.44E-10	2.36E-08	3.37E-09	1.03E-08	1.04E-10	1.37E-08
6142	469736.85	3820395.84	3.89E-08	1.51E-07	2.00E-09	1.92E-07	3.24E-08	1.11E-07	1.43E-09	1.45E-07	3.67E-09	1.94E-08	3.41E-10	2.34E-08	3.34E-09	1.02E-08	1.03E-10	1.36E-08
6143	469728.03	3820392.03	3.85E-08	1.49E-07	1.98E-09	1.90E-07	3.21E-08	1.10E-07	1.42E-09	1.43E-07	3.64E-09	1.92E-08	3.37E-10	2.32E-08	3.31E-09	1.01E-08	1.02E-10	1.35E-08
6144	469719.22	3820388.22	3.81E-08	1.48E-07	1.96E-09	1.88E-07	3.18E-08	1.09E-07	1.41E-09	1.42E-07	3.60E-09	1.90E-08	3.34E-10	2.30E-08	3.27E-09	9.97E-09	1.01E-10	1.33E-08
6145	469710.41	3820384.41	3.78E-08	1.47E-07	1.94E-09	1.86E-07	3.15E-08	1.08E-07	1.39E-09	1.41E-07	3.57E-09	1.89E-08	3.31E-10	2.28E-08	3.24E-09	9.88E-09	1.00E-10	1.32E-08
6146	469701.59	3820380.6	3.74E-08	1.45E-07	1.92E-09	1.84E-07	3.12E-08	1.07E-07	1.38E-09	1.39E-07	3.53E-09	1.87E-08	3.28E-10	2.25E-08	3.21E-09	9.78E-09	9.92E-11	1.31E-08
6147	469613.46	3820342.49	3.41E-08	1.32E-07	1.75E-09	1.68E-07	2.84E-08	9.71E-08	1.26E-09	1.27E-07	3.22E-09	1.70E-08	2.99E-10	2.05E-08	2.93E-09	8.91E-09	9.03E-11	1.19E-08
6148	469604.64	3820338.68	3.38E-08	1.31E-07	1.74E-09	1.66E-07	2.81E-08	9.62E-08	1.25E-09	1.26E-07	3.19E-09	1.69E-08	2.96E-10	2.03E-08	2.90E-09	8.83E-09	8.95E-11	1.18E-08
6149	469595.83	3820334.87	3.35E-08	1.30E-07	1.72E-09	1.65E-07	2.79E-08	9.54E-08	1.23E-09	1.24E-07	3.16E-09	1.67E-08	2.93E-10	2.02E-08	2.87E-09	8.75E-09	8.87E-11	1.17E-08
6150	469587.02	3820331.05	3.32E-08	1.29E-07	1.70E-09	1.64E-07	2.76E-08	9.45E-08	1.22E-09	1.23E-07	3.13E-09	1.66E-08	2.91E-10	2.00E-08	2.85E-09	8.67E-09	8.79E-11	1.16E-08
6151	469578.2	3820327.24	3.29E-08	1.28E-07	1.69E-09	1.62E-07	2.74E-08	9.37E-08	1.21E-09	1.22E-07	3.11E-09	1.64E-08	2.88E-10	1.98E-08	2.82E-09	8.60E-09	8.72E-11	1.15E-08
6152	469569.39	3820323.43	3.26E-08	1.26E-07	1.67E-09	1.61E-07	2.71E-08	9.29E-08	1.20E-09	1.21E-07	3.08E-09	1.63E-08	2.86E-10	1.96E-08	2.80E-09	8.52E-09	8.64E-11	1.14E-08
6153	469560.57	3820319.62	3.23E-08	1.25E-07	1.66E-09	1.59E-07	2.69E-08	9.21E-08	1.19E-09	1.20E-07	3.05E-09	1.61E-08	2.83E-10	1.95E-08	2.77E-09	8.45E-09	8.57E-11	1.13E-08
6154	469551.76	3820315.81	3.20E-08	1.24E-07	1.65E-09	1.58E-07	2.67E-08	9.13E-08	1.18E-09	1.19E-07	3.02E-09	1.60E-08	2.81E-10	1.93E-08	2.75E-09	8.37E-09	8.49E-11	1.12E-08
6155	469542.95	3820312	3.18E-08	1.23E-07	1.63E-09	1.57E-07	2.64E-08	9.05E-08	1.17E-09	1.18E-07	3.00E-09	1.59E-08	2.78E-10	1.91E-08	2.73E-09	8.30E-09	8.42E-11	1.11E-08
6156	469534.13	3820308.19	3.15E-08	1.22E-07	1.62E-09	1.55E-07	2.62E-08	8.97E-08	1.16E-09	1.17E-07	2.97E-09	1.57E-08	2.76E-10	1.90E-08	2.70E-09	8.23E-09	8.35E-11	1.10E-08
6157	469525.32	3820304.38	3.12E-08	1.21E-07	1.60E-09	1.54E-07	2.60E-08	8.89E-08	1.15E-09	1.16E-07	2.95E-09	1.56E-08	2.73E-10	1.88E-08	2.68E-09	8.16E-09	8.27E-11	1.09E-08
6158	469516.51	3820300.56	3.09E-08	1.20E-07	1.59E-09	1.53E-07	2.58E-08	8.82E-08	1.14E-09	1.15E-07	2.92E-09	1.54E-08	2.71E-10	1.86E-08	2.66E-09	8.09E-09	8.20E-11	1.08E-08
6159	469507.69	3820296.75	3.07E-08	1.19E-07	1.58E-09	1.51E-07	2.55E-08	8.74E-08	1.13E-09	1.14E-07	2.90E-09	1.53E-08	2.69E-10	1.85E-08	2.63E-09	8.02E-09	8.13E-11	1.07E-08
6160	469498.88	3820292.94	3.04E-08	1.18E-07	1.56E-09	1.50E-07	2.53E-08	8.66E-08	1.12E-09	1.13E-07	2.87E-09	1.52E-08	2.66E-10	1.83E-08	2.61E-09	7.95E-09	8.06E-11	1.06E-08
6161	469490.07	3820289.13	3.01E-08	1.17E-07	1.55E-09	1.49E-07	2.51E-08	8.59E-08	1.11E-09	1.12E-07	2.84E-09	1.50E-08	2.64E-10	1.81E-08	2.59E-09	7.88E-09	7.99E-11	1.05E-08
6162	469481.25	3820285.32	2.99E-08	1.16E-07	1.53E-09	1.47E-07	2.49E-08	8.51E-08	1.10E-09	1.11E-07	2.82E-09	1.49E-08	2.62E-10	1.80E-08	2.56E-09	7.81E-09	7.92E-11	1.04E-08
6163	469472.44	3820281.51	2.96E-08	1.15E-07	1.52E-09	1.46E-07	2.46E-08	8.43E-08	1.09E-09	1.10E-07	2.79E-09	1.48E-08	2.59E-10	1.78E-08	2.54E-09	7.73E-09	7.84E-11	1.04E-08
6164	469463.63	3820277.7	2.93E-08	1.14E-07	1.51E-09	1.44E-07	2.44E-08	8.35E-08	1.08E-09	1.09E-07	2.77E-09	1.46E-08	2.57E-10	1.77E-08	2.52E-09	7.66E-09	7.77E-11	1.03E-08
6165	469454.81	3820273.89	2.90E-08	1.13E-07	1.49E-09	1.43E-07	2.42E-08	8.27E-08	1.07E-09	1.08E-07	2.74E-09	1.45E-08	2.54E-10	1.75E-08	2.49E-09	7.59E-09	7.70E-11	1.02E-08
6166	469446	3820270.07	2.88E-08	1.12E-07	1.48E-09	1.42E-07	2.40E-08	8.19E-08	1.06E-09	1.07E-07	2.72E-09	1.44E-08	2.52E-10	1.73E-08	2.47E-09	7.52E-09	7.62E-11	1.01E-08
6167	469437.19	3820266.26	2.85E-08	1.10E-07	1.46E-09	1.40E-07	2.37E-08	8.11E-08	1.05E-09	1.06E-07	2.69E-09	1.42E-08	2.49E-10	1.71E-08	2.44E-09	7.44E-09	7.55E-11	9.96E-09
6168	469428.37	3820262.45	2.82E-08	1.09E-07	1.45E-09	1.39E-07	2.35E-08	8.03E-08	1.04E-09	1.05E-07	2.66E-09	1.41E-08	2.47E-10	1.70E-08	2.42E-09	7.37E-09	7.47E-11	9.86E-09
6169	469419.56	3820258.64	2.79E-08	1.08E-07	1.43E-09	1.37E-07	2.32E-08	7.95E-08	1.03E-09	1.04E-07	2.63E-09	1.39E-08	2.44E-10	1.68E-08	2.39E-09	7.29E-09	7.39E-11	9.76E-09
6170	469410.74	3820254.83	2.76E-08	1.07E-07	1.42E-09	1.36E-07	2.30E-08	7.86E-08	1.02E-09	1.03E-07	2.61E-09	1.38E-08	2.42E-10	1.66E-08	2.37E-09	7.21E-09	7.32E-11	9.66E-09
6171	469401.93	3820251.02	2.73E-08	1.06E-07	1.40E-09	1.35E-07	2.27E-08	7.78E-08	1.01E-09	1.02E-07	2.58E-09	1.36E-08	2.39E-10	1.64E-08	2.34E-09	7.13E-09	7.24E-11	9.55E-09
6172	469393.12	3820247.21	2.70E-08	1.05E-07	1.39E-09	1.33E-07	2.25E-08	7.69E-08	9.95E-10	1.00E-07	2.55E-09	1.35E-08	2.37E-10	1.63E-08	2.32E-09	7.06E-09	7.16E-11	9.44E-09
6173	469384.3	3820243.4	2.67E-08	1.03E-07	1.37E-09	1.32E-07	2.22E-08	7.60E-08	9.84E-10	9.92E-08	2.52E-09	1.33E-08	2.34E-10	1.61E-08	2.29E-09	6.97E-09	7.07E-11	9.34E-09
6174	469375.49	3820239.58	2.64E-08	1.02E-07	1.36E-09	1.30E-07	2.20E-08	7.52E-08	9.73E-10	9.81E-08	2.49E-09	1.32E-08	2.31E-10	1.59E-08	2.26E-09	6.89E-09	6.99E-11	9.23E-09
6175	469366.68	3820235.77	2.61E-08	1.01E-07	1.34E-09	1.28E-07	2.17E-08	7.43E-08	9.61E-10	9.69E-08	2.46E-09	1.30E-08	2.28E-10	1.57E-08	2.24E-09	6.81E-09	6.91E-11	9.12E-09
6176	469357.86	3820231.96	2.57E-08	9.98E-08	1.32E-09	1.27E-07	2.14E-08	7.34E-08	9.49E-10	9.57E-08	2.43E-09	1.29E-08	2.26E-10	1.55E-08	2.21E-09	6.73E-09	6.82E-11	9.01E-09
6177	469349.05	3820228.15	2.54E-08	9.86E-08	1.31E-09	1.25E-07	2.12E-08	7.24E-08	9.38E-10	9.46E-08	2.40E-09	1.27E-08	2.23E-10	1.53E-08	2.18E-09	6.65E-09	6.74E-11	8.89E-09
6178	469340.24	3820224.34	2.51E-08	9.73E-08	1.29E-09	1.24E-07	2.09E-08	7.15E-08	9.25E-10	9.33E-08	2.37E-09	1.25E-08	2.20E-10	1.51E-08	2.15E-09	6.56E-09	6.65E-11	8.78E-09
6179	469331.42	3820220.53	2.48E-08	9.60E-08	1.27E-09	1.22E-07	2.06E-08	7.06E-08	9.13E-10	9.21E-08	2.34E-09	1.24E-08	2.17E-10	1.49E-08	2.13E-09	6.47E-09	6.56E-11	8.66E-09
6180	469322.61	3820216.72	2.44E-08	9.48E-08	1.26E-09	1.20E-07	2.03E-08	6.96E-08	9.01E-10	9.09E-08	2.31E-09	1.22E-08	2.14E-10	1.47E-08	2.10E-09	6.39E-09	6.48E-11	8.55E-09
6181	469310.29	3820203.97	2.40E-08	9.31E-08	1.23E-09	1.18E-07	2.00E-08	6.84E-08	8.85E-10	8.93E-08	2.27E-09	1.20E-08	2.10E-10	1.45E-08	2.06E-09	6.28E-09	6.36E-11	8.40E-09
6182	469306.78	3820195.03	2.39E-08	9.27E-08	1.23E-09	1.18E-07	1.99E-08	6.81E-08	8.82E-10	8.89E-08	2.26E-09	1.19E-08	2.10E-10	1.44E-08	2.05E-09	6.25E-09	6.34E-11	8.37E-09
6183	469303.27	3820186.09	2.38E-08	9.23E-08	1.22E-09	1.17E-07	1.98E-08	6.78E-08	8.78E-10	8.85E-08	2.25E-09	1.19E-08	2.09E-10	1.43E-08	2.04E-09	6.22E-09	6.31E-11	8.33E-09
6184	469299.76	3820177.16	2.37E-08	9.18E-08	1.22E-09	1.17E-07	1.97E-08	6.75E-08	8.73E-10	8.81E-08	2.24E-09	1.18E-08	2.08E-10	1.43E-08	2.03E-09	6.19E-09	6.28E-11	8.29E-09
6185	469296.25	3820168.22	2.36E-08	9.14E-08	1.21E-09	1.16E-07	1.96E-08	6.71E-08	8.69E-10	8.76E-08	2.22E-09	1.18E-08	2.06E-10	1.42E-08	2.02E-09	6.16E-09	6.24E-11	8.24E-09
6186	469292.74	3820159.28	2.34E-08	9.08E-08	1.20E-09	1.15E-07	1.95E-08	6.67E-08	8.64E-10	8.71E-08	2.21E-09	1.17E-08	2.05E-10	1.41E-08	2.01E-09	6.12E-09	6.21E-11	8.19E-09
6187	469271.68	3820105.65	2.24E-08	8.68E-08	1.15E-09	1.10E-07	1.86E-08	6.38E-08	8.25E-10	8.32E-08	2.11E-09	1.12E-08	1.96E-10	1.35E-08	1.92E-09	5.85E-09	5.93E-11	7.83E-09
6188	469268.17	3820096.71	2.22E-08	8.60E-08	1.14E-09	1.09E-07	1.85E-08	6.32E-08	8.18E-10	8.25E-08	2.09E-09	1.11E-08	1.94E-10	1.34E-08	1.90E-09	5.80E-09	5.88E-11	7.76E-09
6189	469264.66	3820087.78	2.20E-08	8.51E-08	1.13E-09	1.08E-07	1.83E-08	6.26E-08	8.10E-10	8.17E-08	2.07E-09	1.10E-08	1.92E-10	1.32E-08	1.88E-09	5.74E-09	5.82E-11	7.68E-09
6190	469261.15	3820078.84	2.17E-08	8.43E-08	1.12E-09	1.07E-07	1.81E-08	6.19E-08	8.01E-10	8.08E-08	2.05E-09	1.08E-08	1.90E-10	1.31E-08	1.87E-09	5.68E-09	5.76E-11	7.60E-09
6191	469257.64	3820069.9	2.15E-08	8.34E-08	1.10E-09	1.06E-07	1.79E-08	6.13E-08	7.93E-10	7.99E-08	2.03E-09	1.07E-08	1.88E-10	1.29E-08	1.85E-09	5.62E-09	5.70E-11	7.52E-09
6192	469254.13	3820060.96	2.12E-08	8.24E-08	1.09E-09	1.05E-07	1.77E-08	6.06E-08	7.84E-10	7.90E-08	2.01E-09	1.06E-08	1.86E-10	1.28E-08	1.82E-09	5.55E-09	5.63E-11	7.44E-09
6193	469250.62	3820052.03	2.10E-08	8.14E-08	1.08E-09	1.03E-07	1.75E-08	5.98E-08	7.74E-10	7.81E-08	1.98E-09	1.05E-08	1.84E-10	1.26E-08	1.80E-09	5.49E-09	5.57E-11	7.35E-09
6194	469247.11	3820043.09	2.07E-08	8.04E-08	1.07E-09	1.02E-07	1.73E-08	5.91E-08	7.65E-10	7.71E-08	1.96E-09	1.04E-08	1.82E-10	1.25E-08	1.78E-09	5.42E-09	5.50E-11	7.25E-09
6195	469243.6	3820034.15	2.05E-08	7.94E-08	1.05E-09	1.01E-07	1.70E-08	5.83E-08	7.55E-10	7.61E-08	1.93E-09	1.02E-08	1.79E-10	1.23E-08	1.76E-09	5.35E-09	5.42E-11	7.16E-09
6196	469145.32	3819783.89	1.13E-08	4.40E-08	5.83E-10	5.59E-08	9.45E-09	3.23E-08	4.18E-10	4.22E-08	1.07E-09	5.66E-09	9.94E-11	6.83E-09	9.74E-10	2.96E-09	3.01E-11	3.97E-09
6197	469141.81	3819774.95	1.10E-08	4.28E-08	5.67E-10	5.44E-08	9.19E-09	3.14E-08	4.07E-10	4.10E-08	1.04E-09	5.51E-09	9.67E-11	6.65E-09	9.47E-10	2.88E-09	2.92E-11	3.86E-09
6198	469138.3	3819766.02	1.07E-08	4.16E-08	5.51E-10	5.29E-08	8.93E-09	3.06E-08	3.96E-10	3.99E-08	1.01E-09	5.36E-09	9.40E-11	6.46E-09	9.21E-10	2.80E-09	2.84E-11	3.75E-09
6199	469134.79	3819757.08	1.04E-08	4.04E-08	5.36E-10	5.14E-08	8.68E-09	2.97E-08	3.84E-10	3.88E-08	9.84E-10	5.20E-09	9.14E-11	6.28E-09	8.95E-10	2.73E-09	2.76E-11	3.65E-09
6200	469131.28	3819748.14	1.01E-08	3.93E-08	5.20E-10	4.99E-08	8.44E-09	2.89E-08	3.74E-10	3.77E-08	9.57E-10	5.06E-09	8.88E-11	6.10E-09	8.70E-10	2.65E-09	2.69E-11	3.54E-09
6201	469127.77	3819739.2	9.84E-09	3.82E-08	5.06E-10	4.85E-08	8.20E-09	2.81E-08	3.63E-10	3.66E-08	9.29E-10	4.91E-09	8.63E-11	5.93E-09	8.45E-10	2.57E-09	2.61E-11	3.44E-09
6202	469124.26	3819730.26	9.56E-09	3.71E-08	4.91E-10	4.71E-08	7.97E-09	2.73E-08	3.53E-10	3.56E-08	9.03E-10	4.77E-09	8.38E-11	5.76E-09	8.21E-10	2.50E-09	2.54E-11	3.35E-09
6203	469120.75	3819721.33	9.29E-09	3.60E-08	4.77E-10	4.58E-08	7.74E-09	2.65E-08	3.42E-10	3.45E-08	8.77E-10	4.64E-09	8.14E-11	5.59E-09	7.97E-10	2.43E-09	2.46E-11	3.25E-09
6204	469117.24	3819712.39	9.01E-09	3.50E-08	4.63E-10	4.44E-08	7.51E-09	2.57E-08	3.32E-10	3.35E-08	8.51E-10	4.50E-09	7.90E-11	5.43E-09	7.74E-10	2.36E-09	2.39E-11	3.15E-09
6205	469113.73	3819703.45	8.75E-09	3.39E-08	4.49E-10	4.31E-08	7.29E-09	2.49E-08	3.23E-10	3.25E-08	8.26E-10	4.37E-09	7.67E-11	5.27E-09	7.51E-10	2.29E-09	2.32E-11	3.06E-09
6206	469110.22	3819694.51	8.49E-09	3.29E-08	4.36E-10	4.18E-08	7.07E-09	2.42E-08	3.13E-10	3.16E-08	8.01E-10	4.24E-09	7.44E-11	5.11E-09	7.29E-10	2.22E-09	2.25E-11	2.97E-09
6207	469106.71	3819685.58	8.23E-09	3.19E-08	4.23E-10	4.06E-08	6.86E-09	2.35E-08	3.04E-10	3.06E-08	7.77E-10	4.11E-09	7.21E-11	4.96E-09	7.07E-10	2.15E-09	2.18E-11	2.88E-09
6208	469103.2	3819676.64	7.99E-09	3.10E-08	4.10E-10	3.94E-08	6.65E-09	2.28E-08	2.95E-10	2.97E-08	7.54E-10	3.99E-09	7.00E-11	4.81E-09	6.86E-10	2.09E-09	2.12E-11	2.80E-09
6209	469099.69	3819667.7	7.76E-09	3.01E-08	3.98E-10	3.82E-08	6.46E-09	2.21E-08	2.86E-10	2.88E-08	7.32E-10	3.87E-09	6.80E-11	4.67E-09	6.66E-10	2.03E-09	2.06E-11	2.71E-09
6210	469096.18	3819658.76	7.53E-09	2.92E-08	3.87E-10	3.71E-08	6.27E-09	2.15E-08	2.78E-10	2.80E-08	7.11E-10	3.76E-09	6.60E-11	4.54E-09	6.46E-10	1.97E-09	2.00E-11	2.63E-09
6211	469092.67	3819649.82	7.31E-09	2.84E-08	3.76E-10	3.60E-08	6.09E-09	2.08E-08	2.70E-10	2.72E-08	6.90E-10	3.65E-09	6.41E-11	4.41E-09	6.28E-10	1.91E-09	1.94E-11	2.56E-09
6212	469089.16	3819640.89	7.10E-09	2.75E-08	3.65E-10	3.50E-08	5.91E-09	2.02E-08	2.62E-10	2.64E-08	6.71E-10	3.55E-09	6.22E-11	4.28E-09	6.10E-10	1.86E-09	1.88E-11	2.48E-09
6213	469085.65	3819631.95	6.90E-09	2.68E-08	3.54E-10	3.40E-08	5.75E-09	1.97E-08	2.54E-10	2.57E-08	6.51E-10	3.44E-09	6.04E-11	4.16E-09	5.92E-10	1.80E-09	1.83E-11	2.41E-09
6214	469082.14	3819623.01	6.70E-09	2.60E-08	3.45E-10	3.31E-08	5.58E-09	1.91E-08	2.47E-10	2.49E-08	6.33E-10	3.35E-09	5.88E-11	4.04E-09	5.76E-10	1.75E-09	1.78E-11	2.35E-09
6215	469078.63	3819614.07	6.52E-09	2.53E-08	3.35E-10	3.21E-08	5.43E-09	1.86E-08	2.40E-10	2.42E-08	6.15E-10	3.25E-09	5.71E-11	3.93E-09	5.59E-10	1.70E-09	1.73E-11	2.28E-09
6216	469075.12	3819605.14	6.33E-09	2.46E-08	3.25E-10	3.12E-08	5.28E-09	1.81E-08	2.34E-10	2.36E-08	5.98E-10	3.16E-09	5.55E-11	3.82E-09	5.44E-10	1.66E-09	1.68E-11	2.22E-09
6217	469071.61	3819596.2	6.16E-09	2.39E-08	3.16E-10	3.04E-08	5.13E-09	1.76E-08	2.27E-10	2.29E-08	5.82E-10	3.08E-09	5.40E-11	3.71E-09	5.29E-10	1.61E-09	1.63E-11	2.16E-09
6218	469068.1	3819587.26	5.99E-09	2.32E-08	3.08E-10	2.95E-08	4.99E-09	1.71E-08	2.21E-10	2.23E-08	5.66E-10	2.99E-09	5.25E-11	3.61E-09	5.14E-10	1.57E-09	1.59E-11	2.10E-09
6219	469064.59	3819578.32	5.83E-09	2.26E-08	3.00E-10	2.88E-08	4.86E-09	1.66E-08	2.15E-10	2.17E-08	5.51E-10	2.91E-09	5.11E-11	3.51E-09	5.01E-10	1.52E-09	1.55E-11	2.04E-09
6220	469061.08	3819569.38	5.68E-09	2.20E-08	2.92E-10	2.80E-08	4.73E-09	1.62E-08	2.09E-10	2.11E-08	5.36E-10	2.84E-09	4.98E-11	3.42E-09	4.88E-10	1.48E-09	1.51E-11	1.99E-09
6221	469057.57	3819560.45	5.53E-09	2.14E-08	2.84E-10	2.73E-08	4.61E-09	1.58E-08	2.04E-10	2.06E-08	5.22E-10	2.76E-09	4.85E-11	3.33E-09	4.75E-10	1.45E-09	1.47E-11	1.94E-09
6222	469054.06	3819551.51	5.39E-09	2.09E-08	2.77E-10	2.65E-08	4.49E-09	1.53E-08	1.99E-10	2.00E-08	5.09E-10	2.69E-09	4.72E-11	3.24E-09	4.62E-10	1.41E-09	1.43E-11	1.88E-09
6223	469050.55	3819542.57	5.25E-09	2.03E-08	2.70E-10	2.59E-08	4.37E-09	1.50E-08	1.94E-10	1.95E-08	4.95E-10	2.62E-09	4.60E-11	3.16E-09	4.50E-10	1.37E-09	1.39E-11	1.84E-09
6224	469047.04	3819533.63	5.12E-09	1.98E-08	2.63E-10	2.52E-08	4.26E-09	1.46E-08	1.89E-10	1.90E-08	4.83E-10	2.55E-09	4.48E-11	3.08E-09	4.39E-10	1.34E-09	1.36E-11	1.79E-09
6225	469043.53	3819524.7	4.99E-09	1.94E-08	2.57E-10	2.46E-08	4.16E-09	1.42E-08	1.84E-10	1.86E-08	4.71E-10	2.49E-09	4.37E-11	3.01E-09	4.29E-10	1.31E-09	1.32E-11	1.75E-09
6226	469040.02	3819515.76	4.87E-09	1.89E-08	2.50E-10	2.40E-08	4.06E-09	1.39E-08	1.80E-10	1.81E-08	4.60E-10	2.43E-09	4.27E-11	2.93E-09	4.18E-10	1.27E-09	1.29E-11	1.70E-09
6227	469036.51	3819506.82	4.75E-09	1.84E-08	2.44E-10	2.34E-08	3.96E-09	1.35E-08	1.75E-10	1.77E-08	4.49E-10	2.37E-09	4.16E-11	2.86E-09	4.08E-10	1.24E-09	1.26E-11	1.66E-09
6228	469033	3819497.88	4.64E-09	1.80E-08	2.39E-10	2.29E-08	3.87E-09	1.32E-08	1.71E-10	1.73E-08	4.38E-10	2.32E-09	4.07E-11	2.80E-09	3.99E-10	1.21E-09	1.23E-11	1.62E-09
6229	469029.49	3819488.94	4.54E-09	1.76E-08	2.33E-10	2.24E-08	3.78E-09	1.29E-08	1.67E-10	1.69E-08	4.29E-10	2.27E-09	3.98E-11	2.73E-09	3.90E-10	1.19E-09	1.20E-11	1.59E-09
6230	469025.98	3819480.01	4.44E-09	1.72E-08	2.28E-10	2.19E-08	3.70E-09	1.27E-08	1.64E-10	1.65E-08	4.19E-10	2.22E-09	3.89E-11	2.67E-09	3.81E-10	1.16E-09	1.18E-11	1.55E-09
6231	469022.47	3819471.07	4.34E-09	1.68E-08	2.23E-10	2.14E-08	3.62E-09	1.24E-08	1.60E-10	1.61E-08	4.10E-10	2.17E-09	3.80E-11	2.62E-09	3.73E-10	1.13E-09	1.15E-11	1.52E-09
6232	469018.96	3819462.13	4.25E-09	1.65E-08	2.18E-10	2.09E-08	3.54E-09	1.21E-08	1.57E-10	1.58E-08	4.01E-10	2.12E-09	3.72E-11	2.56E-09	3.65E-10	1.11E-09	1.13E-11	1.49E-09
6233	469015.45	3819453.19	4.16E-09	1.61E-08	2.14E-10	2.05E-08	3.46E-09	1.18E-08	1.53E-10	1.55E-08	3.92E-10	2.07E-09	3.64E-11	2.50E-09	3.57E-10	1.09E-09	1.10E-11	1.45E-09
6234	469011.94	3819444.26	4.07E-09	1.58E-08	2.09E-10	2.01E-08	3.39E-09	1.16E-08	1.50E-10	1.51E-08	3.84E-10	2.03E-09	3.57E-11	2.45E-09	3.49E-10	1.06E-09	1.08E-11	1.42E-09
6235	469008.43	3819435.32	3.99E-09	1.55E-08	2.05E-10	1.96E-08	3.32E-09	1.14E-08	1.47E-10	1.48E-08	3.76E-10	1.99E-09	3.49E-11	2.40E-09	3.42E-10	1.04E-09	1.06E-11	1.39E-09
6236	470089.39	3820548.29	4.01E-08	1.56E-07	2.06E-09	1.98E-07	3.34E-08	1.14E-07	1.48E-09	1.49E-07	3.79E-09	2.00E-08	3.51E-10	2.42E-08	3.44E-09	1.05E-08	1.06E-10	1.40E-08

6237	470099.09	3820548.43	3.99E-08	1.55E-07	2.05E-09	1.97E-07	3.32E-08	1.14E-07	1.47E-09	1.48E-07	3.77E-09	1.99E-08	3.49E-10	2.40E-08	3.42E-09	1.04E-08	1.06E-10	1.40E-08
6238	470108.78	3820548.56	3.96E-08	1.54E-07	2.04E-09	1.95E-07	3.30E-08	1.13E-07	1.46E-09	1.47E-07	3.74E-09	1.98E-08	3.47E-10	2.39E-08	3.40E-09	1.04E-08	1.05E-10	1.39E-08
6239	470118.48	3820548.7	3.94E-08	1.53E-07	2.02E-09	1.94E-07	3.28E-08	1.12E-07	1.45E-09	1.46E-07	3.72E-09	1.97E-08	3.45E-10	2.37E-08	3.38E-09	1.03E-08	1.04E-10	1.38E-08
6240	470128.18	3820548.83	3.91E-08	1.52E-07	2.01E-09	1.93E-07	3.26E-08	1.11E-07	1.44E-09	1.45E-07	3.69E-09	1.95E-08	3.43E-10	2.36E-08	3.36E-09	1.02E-08	1.04E-10	1.37E-08
6241	470137.87	3820548.97	3.88E-08	1.51E-07	1.99E-09	1.91E-07	3.23E-08	1.11E-07	1.43E-09	1.44E-07	3.67E-09	1.94E-08	3.40E-10	2.34E-08	3.33E-09	1.01E-08	1.03E-10	1.36E-08
6242	470147.57	3820549.1	3.85E-08	1.49E-07	1.98E-09	1.90E-07	3.21E-08	1.10E-07	1.42E-09	1.43E-07	3.64E-09	1.92E-08	3.38E-10	2.32E-08	3.31E-09	1.01E-08	1.02E-10	1.35E-08
6243	470157.27	3820549.24	3.82E-08	1.48E-07	1.96E-09	1.88E-07	3.18E-08	1.09E-07	1.41E-09	1.42E-07	3.61E-09	1.91E-08	3.35E-10	2.30E-08	3.28E-09	9.99E-09	1.01E-10	1.34E-08
6244	470166.97	3820549.37	3.79E-08	1.47E-07	1.95E-09	1.87E-07	3.16E-08	1.08E-07	1.40E-09	1.41E-07	3.58E-09	1.89E-08	3.32E-10	2.28E-08	3.25E-09	9.90E-09	1.00E-10	1.33E-08
6245	470176.66	3820549.51	3.76E-08	1.46E-07	1.93E-09	1.85E-07	3.13E-08	1.07E-07	1.39E-09	1.40E-07	3.55E-09	1.88E-08	3.29E-10	2.26E-08	3.22E-09	9.82E-09	9.96E-11	1.31E-08
6246	470186.36	3820549.64	3.72E-08	1.44E-07	1.91E-09	1.84E-07	3.10E-08	1.06E-07	1.37E-09	1.38E-07	3.52E-09	1.86E-08	3.26E-10	2.24E-08	3.20E-09	9.73E-09	9.87E-11	1.30E-08
6247	470196.06	3820549.78	3.69E-08	1.43E-07	1.90E-09	1.82E-07	3.07E-08	1.05E-07	1.36E-09	1.37E-07	3.48E-09	1.84E-08	3.23E-10	2.22E-08	3.17E-09	9.64E-09	9.78E-11	1.29E-08
6248	470205.75	3820549.91	3.65E-08	1.42E-07	1.88E-09	1.80E-07	3.04E-08	1.04E-07	1.35E-09	1.36E-07	3.45E-09	1.82E-08	3.20E-10	2.20E-08	3.14E-09	9.55E-09	9.69E-11	1.28E-08
6249	470215.45	3820550.05	3.62E-08	1.40E-07	1.86E-09	1.78E-07	3.02E-08	1.03E-07	1.34E-09	1.35E-07	3.42E-09	1.81E-08	3.17E-10	2.18E-08	3.11E-09	9.46E-09	9.60E-11	1.27E-08
6250	470225.15	3820550.18	3.59E-08	1.39E-07	1.84E-09	1.77E-07	2.99E-08	1.02E-07	1.32E-09	1.33E-07	3.39E-09	1.79E-08	3.14E-10	2.16E-08	3.08E-09	9.38E-09	9.51E-11	1.25E-08
6251	470234.85	3820550.32	3.55E-08	1.38E-07	1.82E-09	1.75E-07	2.96E-08	1.01E-07	1.31E-09	1.32E-07	3.35E-09	1.77E-08	3.11E-10	2.14E-08	3.05E-09	9.28E-09	9.42E-11	1.24E-08
6252	470244.54	3820550.45	3.52E-08	1.36E-07	1.81E-09	1.73E-07	2.93E-08	1.00E-07	1.30E-09	1.31E-07	3.32E-09	1.76E-08	3.08E-10	2.12E-08	3.02E-09	9.20E-09	9.33E-11	1.23E-08
6253	470254.24	3820550.59	3.48E-08	1.35E-07	1.79E-09	1.72E-07	2.90E-08	9.93E-08	1.29E-09	1.30E-07	3.29E-09	1.74E-08	3.05E-10	2.10E-08	2.99E-09	9.11E-09	9.24E-11	1.22E-08
6254	470263.94	3820550.72	3.45E-08	1.34E-07	1.77E-09	1.70E-07	2.88E-08	9.84E-08	1.27E-09	1.28E-07	3.26E-09	1.72E-08	3.03E-10	2.08E-08	2.96E-09	9.02E-09	9.15E-11	1.21E-08
6255	470079.42	3820624.46	3.61E-08	1.40E-07	1.85E-09	1.78E-07	3.01E-08	1.03E-07	1.33E-09	1.34E-07	3.41E-09	1.80E-08	3.16E-10	2.17E-08	3.10E-09	9.44E-09	9.57E-11	1.26E-08
6256	470070.57	3820620.63	3.64E-08	1.41E-07	1.87E-09	1.80E-07	3.04E-08	1.04E-07	1.34E-09	1.36E-07	3.44E-09	1.82E-08	3.19E-10	2.20E-08	3.13E-09	9.53E-09	9.66E-11	1.28E-08
6257	470061.72	3820616.8	3.68E-08	1.43E-07	1.89E-09	1.81E-07	3.06E-08	1.05E-07	1.36E-09	1.37E-07	3.47E-09	1.84E-08	3.22E-10	2.22E-08	3.16E-09	9.61E-09	9.75E-11	1.29E-08
6258	470052.87	3820612.98	3.71E-08	1.44E-07	1.91E-09	1.83E-07	3.09E-08	1.06E-07	1.37E-09	1.38E-07	3.50E-09	1.85E-08	3.25E-10	2.23E-08	3.18E-09	9.70E-09	9.83E-11	1.30E-08
6259	470044.02	3820609.15	3.74E-08	1.45E-07	1.92E-09	1.84E-07	3.12E-08	1.07E-07	1.38E-09	1.39E-07	3.53E-09	1.87E-08	3.28E-10	2.25E-08	3.21E-09	9.78E-09	9.92E-11	1.31E-08
6260	470035.17	3820605.32	3.77E-08	1.46E-07	1.94E-09	1.86E-07	3.14E-08	1.07E-07	1.39E-09	1.40E-07	3.56E-09	1.88E-08	3.30E-10	2.27E-08	3.24E-09	9.85E-09	9.99E-11	1.32E-08
6261	470026.32	3820601.49	3.80E-08	1.47E-07	1.95E-09	1.87E-07	3.16E-08	1.08E-07	1.40E-09	1.41E-07	3.58E-09	1.90E-08	3.33E-10	2.29E-08	3.26E-09	9.92E-09	1.01E-10	1.33E-08
6262	470017.47	3820597.67	3.82E-08	1.48E-07	1.96E-09	1.88E-07	3.18E-08	1.09E-07	1.41E-09	1.42E-07	3.61E-09	1.91E-08	3.35E-10	2.30E-08	3.28E-09	9.99E-09	1.01E-10	1.34E-08
6263	470008.61	3820593.84	3.85E-08	1.49E-07	1.98E-09	1.90E-07	3.20E-08	1.10E-07	1.42E-09	1.43E-07	3.63E-09	1.92E-08	3.37E-10	2.32E-08	3.30E-09	1.01E-08	1.02E-10	1.35E-08
6264	469999.76	3820590.01	3.87E-08	1.50E-07	1.99E-09	1.91E-07	3.22E-08	1.10E-07	1.43E-09	1.44E-07	3.65E-09	1.93E-08	3.39E-10	2.33E-08	3.32E-09	1.01E-08	1.03E-10	1.35E-08
6265	469990.91	3820586.18	3.89E-08	1.51E-07	2.00E-09	1.92E-07	3.24E-08	1.11E-07	1.43E-09	1.45E-07	3.67E-09	1.94E-08	3.41E-10	2.34E-08	3.34E-09	1.02E-08	1.03E-10	1.36E-08
6266	469982.06	3820582.36	3.91E-08	1.52E-07	2.01E-09	1.93E-07	3.25E-08	1.11E-07	1.44E-09	1.45E-07	3.69E-09	1.95E-08	3.42E-10	2.35E-08	3.35E-09	1.02E-08	1.04E-10	1.37E-08
6267	469973.21	3820578.53	3.92E-08	1.52E-07	2.02E-09	1.93E-07	3.27E-08	1.12E-07	1.45E-09	1.46E-07	3.70E-09	1.96E-08	3.44E-10	2.36E-08	3.37E-09	1.03E-08	1.04E-10	1.37E-08
6268	469964.36	3820574.7	3.94E-08	1.53E-07	2.02E-09	1.94E-07	3.28E-08	1.12E-07	1.45E-09	1.46E-07	3.72E-09	1.97E-08	3.45E-10	2.37E-08	3.38E-09	1.03E-08	1.04E-10	1.38E-08
6269	469955.51	3820570.87	3.95E-08	1.53E-07	2.03E-09	1.95E-07	3.29E-08	1.12E-07	1.46E-09	1.47E-07	3.73E-09	1.97E-08	3.46E-10	2.38E-08	3.39E-09	1.03E-08	1.05E-10	1.38E-08
6270	469946.66	3820567.05	3.96E-08	1.53E-07	2.03E-09	1.95E-07	3.29E-08	1.13E-07	1.46E-09	1.47E-07	3.74E-09	1.97E-08	3.47E-10	2.38E-08	3.40E-09	1.03E-08	1.05E-10	1.38E-08
6271	469937.81	3820563.22	3.96E-08	1.54E-07	2.04E-09	1.95E-07	3.30E-08	1.13E-07	1.46E-09	1.47E-07	3.74E-09	1.98E-08	3.47E-10	2.39E-08	3.40E-09	1.04E-08	1.05E-10	1.39E-08
6272	469928.96	3820559.39	3.97E-08	1.54E-07	2.04E-09	1.96E-07	3.30E-08	1.13E-07	1.46E-09	1.48E-07	3.75E-09	1.98E-08	3.48E-10	2.39E-08	3.40E-09	1.04E-08	1.05E-10	1.39E-08
6273	469920.1	3820555.56	3.97E-08	1.54E-07	2.04E-09	1.96E-07	3.30E-08	1.13E-07	1.46E-09	1.48E-07	3.75E-09	1.98E-08	3.48E-10	2.39E-08	3.41E-09	1.04E-08	1.05E-10	1.39E-08
6274	469911.25	3820551.74	3.97E-08	1.54E-07	2.04E-09	1.96E-07	3.30E-08	1.13E-07	1.46E-09	1.48E-07	3.75E-09	1.98E-08	3.48E-10	2.39E-08	3.41E-09	1.04E-08	1.05E-10	1.39E-08
6275	469902.4	3820547.91	3.96E-08	1.54E-07	2.04E-09	1.95E-07	3.30E-08	1.13E-07	1.46E-09	1.47E-07	3.74E-09	1.98E-08	3.47E-10	2.39E-08	3.40E-09	1.04E-08	1.05E-10	1.39E-08
6276	469893.55	3820544.08	3.96E-08	1.54E-07	2.03E-09	1.95E-07	3.30E-08	1.13E-07	1.46E-09	1.47E-07	3.74E-09	1.98E-08	3.47E-10	2.38E-08	3.40E-09	1.03E-08	1.05E-10	1.38E-08
6277	469884.7	3820540.25	3.95E-08	1.53E-07	2.03E-09	1.95E-07	3.29E-08	1.13E-07	1.46E-09	1.47E-07	3.73E-09	1.97E-08	3.46E-10	2.38E-08	3.39E-09	1.03E-08	1.05E-10	1.38E-08
6278	469875.85	3820536.43	3.94E-08	1.53E-07	2.02E-09	1.94E-07	3.28E-08	1.12E-07	1.45E-09	1.47E-07	3.72E-09	1.97E-08	3.45E-10	2.37E-08	3.38E-09	1.03E-08	1.04E-10	1.38E-08
6279	469867	3820532.6	3.93E-08	1.52E-07	2.02E-09	1.94E-07	3.27E-08	1.12E-07	1.45E-09	1.46E-07	3.71E-09	1.96E-08	3.44E-10	2.37E-08	3.37E-09	1.03E-08	1.04E-10	1.37E-08
6280	469858.15	3820528.77	3.91E-08	1.52E-07	2.01E-09	1.93E-07	3.26E-08	1.11E-07	1.44E-09	1.46E-07	3.69E-09	1.95E-08	3.43E-10	2.36E-08	3.36E-09	1.02E-08	1.04E-10	1.37E-08
6281	469849.3	3820524.94	3.90E-08	1.51E-07	2.00E-09	1.92E-07	3.25E-08	1.11E-07	1.44E-09	1.45E-07	3.68E-09	1.95E-08	3.41E-10	2.35E-08	3.34E-09	1.02E-08	1.03E-10	1.36E-08
6282	469840.44	3820521.12	3.88E-08	1.50E-07	1.99E-09	1.91E-07	3.23E-08	1.11E-07	1.43E-09	1.44E-07	3.66E-09	1.94E-08	3.40E-10	2.34E-08	3.33E-09	1.01E-08	1.03E-10	1.36E-08
6283	469831.59	3820517.29	3.86E-08	1.50E-07	1.98E-09	1.90E-07	3.21E-08	1.10E-07	1.42E-09	1.44E-07	3.64E-09	1.93E-08	3.38E-10	2.32E-08	3.31E-09	1.01E-08	1.02E-10	1.35E-08
6284	469822.74	3820513.46	3.84E-08	1.49E-07	1.97E-09	1.89E-07	3.20E-08	1.09E-07	1.42E-09	1.43E-07	3.62E-09	1.92E-08	3.36E-10	2.31E-08	3.29E-09	1.00E-08	1.02E-10	1.34E-08
6285	469813.89	3820509.64	3.81E-08	1.48E-07	1.96E-09	1.88E-07	3.18E-08	1.09E-07	1.41E-09	1.42E-07	3.60E-09	1.90E-08	3.34E-10	2.30E-08	3.27E-09	9.97E-09	1.01E-10	1.33E-08
6286	469805.04	3820505.81	3.79E-08	1.47E-07	1.95E-09	1.87E-07	3.16E-08	1.08E-07	1.40E-09	1.41E-07	3.58E-09	1.89E-08	3.32E-10	2.28E-08	3.25E-09	9.91E-09	1.00E-10	1.33E-08
6287	469796.19	3820501.98	3.76E-08	1.46E-07	1.93E-09	1.86E-07	3.14E-08	1.07E-07	1.39E-09	1.40E-07	3.56E-09	1.88E-08	3.30E-10	2.27E-08	3.23E-09	9.84E-09	9.98E-11	1.32E-08
6288	469787.34	3820498.15	3.74E-08	1.45E-07	1.92E-09	1.84E-07	3.11E-08	1.07E-07	1.38E-09	1.39E-07	3.53E-09	1.87E-08	3.28E-10	2.25E-08	3.21E-09	9.77E-09	9.91E-11	1.31E-08
6289	469778.49	3820494.33	3.71E-08	1.44E-07	1.91E-09	1.83E-07	3.09E-08	1.06E-07	1.37E-09	1.38E-07	3.50E-09	1.85E-08	3.25E-10	2.24E-08	3.19E-09	9.70E-09	9.84E-11	1.30E-08
6290	469769.64	3820490.5	3.68E-08	1.43E-07	1.89E-09	1.82E-07	3.07E-08	1.05E-07	1.36E-09	1.37E-07	3.48E-09	1.84E-08	3.23E-10	2.22E-08	3.16E-09	9.63E-09	9.76E-11	1.29E-08
6291	469760.79	3820486.67	3.65E-08	1.42E-07	1.88E-09	1.80E-07	3.04E-08	1.04E-07	1.35E-09	1.36E-07	3.45E-09	1.82E-08	3.20E-10	2.20E-08	3.14E-09	9.55E-09	9.68E-11	1.28E-08
6292	469751.93	3820482.84	3.62E-08	1.41E-07	1.86E-09	1.79E-07	3.02E-08	1.03E-07	1.34E-09	1.35E-07	3.42E-09	1.81E-08	3.18E-10	2.18E-08	3.11E-09	9.47E-09	9.61E-11	1.27E-08
6293	469743.08	3820479.02	3.59E-08	1.39E-07	1.85E-09	1.77E-07	2.99E-08	1.02E-07	1.33E-09	1.34E-07	3.39E-09	1.79E-08	3.15E-10	2.16E-08	3.08E-09	9.39E-09	9.52E-11	1.26E-08
6294	469734.23	3820475.19	3.56E-08	1.38E-07	1.83E-09	1.76E-07	2.97E-08	1.02E-07	1.31E-09	1.32E-07	3.36E-09	1.78E-08	3.12E-10	2.15E-08	3.06E-09	9.31E-09	9.44E-11	1.25E-08
6295	469725.38	3820471.36	3.53E-08	1.37E-07	1.81E-09	1.74E-07	2.94E-08	1.01E-07	1.30E-09	1.31E-07	3.33E-09	1.76E-08	3.09E-10	2.13E-08	3.03E-09	9.23E-09	9.36E-11	1.24E-08
6296	469716.53	3820467.53	3.50E-08	1.36E-07	1.80E-09	1.73E-07	2.92E-08	9.97E-08	1.29E-09	1.30E-07	3.30E-09	1.75E-08	3.07E-10	2.11E-08	3.00E-09	9.15E-09	9.28E-11	1.22E-08
6297	469707.68	3820463.71	3.47E-08	1.35E-07	1.78E-09	1.71E-07	2.89E-08	9.88E-08	1.28E-09	1.29E-07	3.28E-09	1.73E-08	3.04E-10	2.09E-08	2.98E-09	9.07E-09	9.19E-11	1.21E-08
6298	469698.83	3820459.88	3.44E-08	1.33E-07	1.77E-09	1.69E-07	2.86E-08	9.80E-08	1.27E-09	1.28E-07	3.25E-09	1.72E-08	3.01E-10	2.07E-08	2.95E-09	8.99E-09	9.11E-11	1.20E-08
6299	469610.32	3820421.6	3.14E-08	1.22E-07	1.61E-09	1.55E-07	2.61E-08	8.94E-08	1.16E-09	1.17E-07	2.96E-09	1.57E-08	2.75E-10	1.89E-08	2.69E-09	8.20E-09	8.32E-11	1.10E-08
6300	469601.47	3820417.78	3.11E-08	1.21E-07	1.60E-09	1.53E-07	2.59E-08	8.86E-08	1.15E-09	1.16E-07	2.94E-09	1.55E-08	2.73E-10	1.87E-08	2.67E-09	8.13E-09	8.25E-11	1.09E-08
6301	469592.62	3820413.95	3.08E-08	1.20E-07	1.58E-09	1.52E-07	2.57E-08	8.79E-08	1.14E-09	1.15E-07	2.91E-09	1.54E-08	2.70E-10	1.86E-08	2.65E-09	8.06E-09	8.17E-11	1.08E-08
6302	469583.76	3820410.12	3.06E-08	1.19E-07	1.57E-09	1.51E-07	2.55E-08	8.71E-08	1.13E-09	1.14E-07	2.89E-09	1.53E-08	2.68E-10	1.84E-08	2.62E-09	7.99E-09	8.10E-11	1.07E-08
6303	469574.91	3820406.29	3.03E-08	1.18E-07	1.56E-09	1.49E-07	2.52E-08	8.64E-08	1.12E-09	1.13E-07	2.86E-09	1.51E-08	2.66E-10	1.83E-08	2.60E-09	7.92E-09	8.04E-11	1.06E-08
6304	469566.06	3820402.47	3.01E-08	1.17E-07	1.54E-09	1.48E-07	2.50E-08	8.57E-08	1.11E-09	1.12E-07	2.84E-09	1.50E-08	2.63E-10	1.81E-08	2.58E-09	7.86E-09	7.97E-11	1.05E-08
6305	469557.21	3820398.64	2.98E-08	1.16E-07	1.53E-09	1.47E-07	2.48E-08	8.49E-08	1.10E-09	1.11E-07	2.81E-09	1.49E-08	2.61E-10	1.80E-08	2.56E-09	7.79E-09	7.90E-11	1.04E-08
6306	469548.36	3820394.81	2.96E-08	1.15E-07	1.52E-09	1.46E-07	2.46E-08	8.42E-08	1.09E-09	1.10E-07	2.79E-09	1.48E-08	2.59E-10	1.78E-08	2.54E-09	7.73E-09	7.83E-11	1.03E-08
6307	469539.51	3820390.98	2.93E-08	1.14E-07	1.51E-09	1.44E-07	2.44E-08	8.35E-08	1.08E-09	1.09E-07	2.77E-09	1.46E-08	2.57E-10	1.77E-08	2.52E-09	7.66E-09	7.77E-11	1.03E-08
6308	469530.66	3820387.16	2.91E-08	1.13E-07	1.49E-09	1.43E-07	2.42E-08	8.29E-08	1.07E-09	1.08E-07	2.75E-09	1.45E-08	2.55E-10	1.75E-08	2.50E-09	7.60E-09	7.71E-11	1.02E-08
6309	469521.81	3820383.33	2.89E-08	1.12E-07	1.48E-09	1.42E-07	2.40E-08	8.22E-08	1.06E-09	1.07E-07	2.72E-09	1.44E-08	2.53E-10	1.74E-08	2.48E-09	7.54E-09	7.65E-11	1.01E-08
6310	469512.96	3820379.5	2.86E-08	1.11E-07	1.47E-09	1.41E-07	2.38E-08	8.16E-08	1.06E-09	1.06E-07	2.70E-09	1.43E-08	2.51E-10	1.72E-08	2.46E-09	7.48E-09	7.59E-11	1.00E-08
6311	469504.1	3820375.67	2.84E-08	1.10E-07	1.46E-09	1.40E-07	2.37E-08	8.09E-08	1.05E-09	1.06E-07	2.68E-09	1.42E-08	2.49E-10	1.71E-08	2.44E-09	7.42E-09	7.53E-11	9.94E-09
6312	469495.25	3820371.85	2.82E-08	1.09E-07	1.45E-09	1.39E-07	2.35E-08	8.03E-08	1.04E-09	1.05E-07	2.66E-09	1.41E-08	2.47E-10	1.70E-08	2.42E-09	7.36E-09	7.47E-11	9.86E-09
6313	469486.4	3820368.02	2.79E-08	1.08E-07	1.44E-09	1.38E-07	2.33E-08	7.96E-08	1.03E-09	1.04E-07	2.64E-09	1.40E-08	2.45E-10	1.68E-08	2.40E-09	7.30E-09	7.41E-11	9.78E-09
6314	469477.55	3820364.19	2.77E-08	1.08E-07	1.42E-09	1.37E-07	2.31E-08	7.90E-08	1.02E-09	1.03E-07	2.62E-09	1.38E-08	2.43E-10	1.67E-08	2.38E-09	7.25E-09	7.35E-11	9.70E-09
6315	469468.7	3820360.37	2.75E-08	1.07E-07	1.41E-09	1.36E-07	2.29E-08	7.84E-08	1.01E-09	1.02E-07	2.60E-09	1.37E-08	2.41E-10	1.66E-08	2.36E-09	7.19E-09	7.29E-11	9.62E-09
6316	469459.85	3820356.54	2.73E-08	1.06E-07	1.40E-09	1.34E-07	2.27E-08	7.77E-08	1.01E-09	1.01E-07	2.58E-09	1.36E-08	2.39E-10	1.64E-08	2.34E-09	7.13E-09	7.23E-11	9.54E-09
6317	469451	3820352.71	2.71E-08	1.05E-07	1.39E-09	1.33E-07	2.25E-08	7.71E-08	9.98E-10	1.01E-07	2.55E-09	1.35E-08	2.37E-10	1.63E-08	2.32E-09	7.07E-09	7.17E-11	9.47E-09
6318	469442.15	3820348.88	2.68E-08	1.04E-07	1.38E-09	1.32E-07	2.24E-08	7.65E-08	9.90E-10	9.98E-08	2.53E-09	1.34E-08	2.35E-10	1.62E-08	2.30E-09	7.01E-09	7.11E-11	9.39E-09
6319	469433.3	3820345.06	2.66E-08	1.03E-07	1.37E-09	1.31E-07	2.22E-08	7.58E-08	9.81E-10	9.90E-08	2.51E-09	1.33E-08	2.33E-10	1.60E-08	2.28E-09	6.96E-09	7.05E-11	9.31E-09
6320	469424.45	3820341.23	2.64E-08	1.02E-07	1.36E-09	1.30E-07	2.20E-08	7.52E-08	9.73E-10	9.82E-08	2.49E-09	1.32E-08	2.31E-10	1.59E-08	2.27E-09	6.90E-09	7.00E-11	9.23E-09
6321	469415.59	3820337.4	2.62E-08	1.01E-07	1.34E-09	1.29E-07	2.18E-08	7.45E-08	9.65E-10	9.73E-08	2.47E-09	1.31E-08	2.29E-10	1.58E-08	2.25E-09	6.84E-09	6.93E-11	9.15E-09
6322	469406.74	3820333.57	2.59E-08	1.01E-07	1.33E-09	1.28E-07	2.16E-08	7.39E-08	9.56E-10	9.64E-08	2.45E-09	1.29E-08	2.27E-10	1.56E-08	2.23E-09	6.78E-09	6.87E-11	9.07E-09
6323	469397.89	3820329.75	2.57E-08	9.97E-08	1.32E-09	1.27E-07	2.14E-08	7.32E-08	9.48E-10	9.56E-08	2.43E-09	1.28E-08	2.25E-10	1.55E-08	2.21E-09	6.72E-09	6.81E-11	8.99E-09
6324	469389.04	3820325.92	2.55E-08	9.88E-08	1.31E-09	1.26E-07	2.12E-08	7.26E-08	9.39E-10	9.47E-08	2.40E-09	1.27E-08	2.23E-10	1.53E-08	2.19E-09	6.66E-09	6.75E-11	8.91E-09
6325	469380.19	3820322.09	2.52E-08	9.79E-08	1.30E-09	1.24E-07	2.10E-08	7.19E-08	9.31E-10	9.38E-08	2.38E-09	1.26E-08	2.21E-10	1.52E-08	2.17E-09	6.60E-09	6.69E-11	8.83E-09
6326	469371.34	3820318.26	2.50E-08	9.69E-08	1.28E-09	1.23E-07	2.08E-08	7.12E-08	9.22E-10	9.30E-08	2.36E-09	1.25E-08	2.19E-10	1.51E-08	2.15E-09	6.53E-09	6.62E-11	8.74E-09
6327	469362.49	3820314.44	2.47E-08	9.60E-08	1.27E-09	1.22E-07	2.06E-08	7.05E-08	9.13E-10	9.21E-08	2.34E-09	1.24E-08	2.17E-10	1.49E-08	2.12E-09	6.47E-09	6.56E-11	8.66E-09
6328	469353.64	3820310.61	2.45E-08	9.50E-08	1.26E-09	1.21E-07	2.04E-08	6.98E-08	9.04E-10	9.11E-08	2.31E-09	1.22E-08	2.15E-10	1.48E-08	2.10E-09	6.41E-09	6.50E-11	8.57E-09
6329	469344.79	3820306.78	2.43E-08	9.41E-08	1.25E-09	1.20E-07	2.02E-08	6.91E-08	8.94E-10	9.02E-08	2.29E-09	1.21E-08	2.13E-10	1.46E-08	2.08E-09	6.34E-09	6.43E-11	8.49E-09
6330	469335.93	3820302.95	2.40E-08	9.31E-08	1.23E-09	1.18E-07	2.00E-08	6.84E-08	8.85E-10	8.93E-08	2.27E-09	1.20E-08	2.10E-10	1.45E-08	2.06E-09	6.27E-09	6.36E-11	8.40E-09
6331	469327.08	3820299.13	2.37E-08	9.21E-08	1.22E-09	1.17E-07	1.98E-08	6.77E-08	8.76E-10	8.83E-08	2.24E-09	1.19E-08	2.08E-10	1.43E-08	2.04E-09	6.21E-09	6.29E-11	8.31E-09
6332	469318.23	3820295.3	2.35E-08	9.11E-08	1.21E-09	1.16E-07	1.96E-08	6.69E-08	8.66E-10	8.73E-08	2.22E-09	1.17E-08	2.06E-10	1.41E-08	2.02E-09	6.14E-09	6.22E-11	8.22E

6333	469309.38	3820291.47	2.32E-08	9.01E-08	1.19E-09	1.14E-07	1.93E-08	6.62E-08	8.56E-10	8.64E-08	2.19E-09	1.16E-08	2.03E-10	1.40E-08	1.99E-09	6.07E-09	6.16E-11	8.12E-09
6334	469300.53	3820287.64	2.30E-08	8.90E-08	1.18E-09	1.13E-07	1.91E-08	6.54E-08	8.46E-10	8.54E-08	2.17E-09	1.15E-08	2.01E-10	1.38E-08	1.97E-09	6.00E-09	6.08E-11	8.03E-09
6335	469291.68	3820283.82	2.27E-08	8.80E-08	1.17E-09	1.12E-07	1.89E-08	6.46E-08	8.37E-10	8.44E-08	2.14E-09	1.13E-08	1.99E-10	1.37E-08	1.95E-09	5.93E-09	6.01E-11	7.94E-09
6336	469265.13	3820272.33	2.18E-08	8.47E-08	1.12E-09	1.08E-07	1.82E-08	6.23E-08	8.06E-10	8.13E-08	2.06E-09	1.09E-08	1.91E-10	1.32E-08	1.88E-09	5.71E-09	5.79E-11	7.65E-09
6337	469252.75	3820259.53	2.15E-08	8.33E-08	1.10E-09	1.06E-07	1.79E-08	6.12E-08	7.93E-10	7.99E-08	2.03E-09	1.07E-08	1.88E-10	1.29E-08	1.84E-09	5.62E-09	5.70E-11	7.52E-09
6338	469249.23	3820250.56	2.14E-08	8.30E-08	1.10E-09	1.06E-07	1.78E-08	6.10E-08	7.89E-10	7.96E-08	2.02E-09	1.07E-08	1.88E-10	1.29E-08	1.84E-09	5.60E-09	5.67E-11	7.49E-09
6339	469245.7	3820241.58	2.13E-08	8.27E-08	1.10E-09	1.05E-07	1.78E-08	6.07E-08	7.86E-10	7.93E-08	2.01E-09	1.06E-08	1.87E-10	1.28E-08	1.83E-09	5.57E-09	5.65E-11	7.46E-09
6340	469242.18	3820232.6	2.12E-08	8.23E-08	1.09E-09	1.05E-07	1.77E-08	6.05E-08	7.82E-10	7.89E-08	2.00E-09	1.06E-08	1.86E-10	1.28E-08	1.82E-09	5.55E-09	5.62E-11	7.42E-09
6341	469238.65	3820223.63	2.11E-08	8.18E-08	1.08E-09	1.04E-07	1.76E-08	6.01E-08	7.78E-10	7.85E-08	1.99E-09	1.05E-08	1.85E-10	1.27E-08	1.81E-09	5.52E-09	5.59E-11	7.38E-09
6342	469235.13	3820214.65	2.10E-08	8.14E-08	1.08E-09	1.03E-07	1.75E-08	5.98E-08	7.74E-10	7.81E-08	1.98E-09	1.05E-08	1.84E-10	1.26E-08	1.80E-09	5.49E-09	5.56E-11	7.34E-09
6343	469231.6	3820205.68	2.09E-08	8.09E-08	1.07E-09	1.03E-07	1.74E-08	5.94E-08	7.69E-10	7.76E-08	1.97E-09	1.04E-08	1.83E-10	1.26E-08	1.79E-09	5.45E-09	5.53E-11	7.30E-09
6344	469228.08	3820196.7	2.07E-08	8.04E-08	1.06E-09	1.02E-07	1.73E-08	5.91E-08	7.64E-10	7.71E-08	1.96E-09	1.03E-08	1.82E-10	1.25E-08	1.78E-09	5.42E-09	5.49E-11	7.25E-09
6345	469224.55	3820187.72	2.06E-08	7.98E-08	1.06E-09	1.01E-07	1.71E-08	5.87E-08	7.59E-10	7.66E-08	1.94E-09	1.03E-08	1.80E-10	1.24E-08	1.77E-09	5.38E-09	5.46E-11	7.20E-09
6346	469221.03	3820178.75	2.04E-08	7.93E-08	1.05E-09	1.01E-07	1.70E-08	5.82E-08	7.54E-10	7.60E-08	1.93E-09	1.02E-08	1.79E-10	1.23E-08	1.75E-09	5.34E-09	5.42E-11	7.15E-09
6347	469217.5	3820169.77	2.03E-08	7.86E-08	1.04E-09	1.00E-07	1.69E-08	5.78E-08	7.48E-10	7.54E-08	1.91E-09	1.01E-08	1.78E-10	1.22E-08	1.74E-09	5.30E-09	5.38E-11	7.10E-09
6348	469213.98	3820160.8	2.01E-08	7.80E-08	1.03E-09	9.92E-08	1.68E-08	5.73E-08	7.42E-10	7.48E-08	1.90E-09	1.00E-08	1.76E-10	1.21E-08	1.73E-09	5.26E-09	5.33E-11	7.04E-09
6349	469210.45	3820151.82	1.99E-08	7.73E-08	1.02E-09	9.83E-08	1.66E-08	5.68E-08	7.35E-10	7.42E-08	1.88E-09	9.96E-09	1.75E-10	1.20E-08	1.71E-09	5.21E-09	5.29E-11	6.98E-09
6350	469206.93	3820142.85	1.98E-08	7.66E-08	1.02E-09	9.74E-08	1.65E-08	5.63E-08	7.29E-10	7.35E-08	1.87E-09	9.86E-09	1.73E-10	1.19E-08	1.70E-09	5.17E-09	5.24E-11	6.91E-09
6351	469203.4	3820133.87	1.96E-08	7.59E-08	1.01E-09	9.65E-08	1.63E-08	5.58E-08	7.22E-10	7.28E-08	1.85E-09	9.77E-09	1.71E-10	1.18E-08	1.68E-09	5.12E-09	5.19E-11	6.85E-09
6352	469199.88	3820124.89	1.94E-08	7.51E-08	9.95E-10	9.55E-08	1.61E-08	5.52E-08	7.14E-10	7.20E-08	1.83E-09	9.67E-09	1.70E-10	1.17E-08	1.66E-09	5.06E-09	5.13E-11	6.78E-09
6353	469196.35	3820115.92	1.92E-08	7.43E-08	9.85E-10	9.45E-08	1.60E-08	5.46E-08	7.07E-10	7.13E-08	1.81E-09	9.57E-09	1.68E-10	1.15E-08	1.65E-09	5.01E-09	5.08E-11	6.71E-09
6354	469192.83	3820106.94	1.90E-08	7.35E-08	9.74E-10	9.34E-08	1.58E-08	5.40E-08	6.99E-10	7.05E-08	1.79E-09	9.46E-09	1.66E-10	1.14E-08	1.63E-09	4.96E-09	5.02E-11	6.63E-09
6355	469189.3	3820097.97	1.87E-08	7.27E-08	9.63E-10	9.24E-08	1.56E-08	5.34E-08	6.91E-10	6.97E-08	1.77E-09	9.35E-09	1.64E-10	1.13E-08	1.61E-09	4.90E-09	4.97E-11	6.56E-09
6356	469185.78	3820088.99	1.85E-08	7.18E-08	9.51E-10	9.13E-08	1.54E-08	5.28E-08	6.83E-10	6.89E-08	1.75E-09	9.24E-09	1.62E-10	1.12E-08	1.59E-09	4.84E-09	4.91E-11	6.48E-09
6357	469182.25	3820080.01	1.83E-08	7.09E-08	9.39E-10	9.01E-08	1.52E-08	5.21E-08	6.74E-10	6.80E-08	1.73E-09	9.13E-09	1.60E-10	1.10E-08	1.57E-09	4.78E-09	4.85E-11	6.40E-09
6358	469178.73	3820071.04	1.80E-08	7.00E-08	9.27E-10	8.90E-08	1.50E-08	5.14E-08	6.66E-10	6.71E-08	1.70E-09	9.01E-09	1.58E-10	1.09E-08	1.55E-09	4.72E-09	4.78E-11	6.31E-09
6359	469175.2	3820062.06	1.78E-08	6.90E-08	9.15E-10	8.78E-08	1.48E-08	5.07E-08	6.57E-10	6.62E-08	1.68E-09	8.89E-09	1.56E-10	1.07E-08	1.53E-09	4.65E-09	4.72E-11	6.23E-09
6360	469083.56	3819828.69	1.05E-08	4.07E-08	5.40E-10	5.18E-08	8.75E-09	2.99E-08	3.87E-10	3.91E-08	9.92E-10	5.24E-09	9.21E-11	6.33E-09	9.02E-10	2.75E-09	2.78E-11	3.68E-09
6361	469080.03	3819819.71	1.02E-08	3.97E-08	5.26E-10	5.04E-08	8.52E-09	2.92E-08	3.77E-10	3.81E-08	9.66E-10	5.11E-09	8.97E-11	6.16E-09	8.78E-10	2.67E-09	2.71E-11	3.58E-09
6362	469076.51	3819810.74	9.97E-09	3.87E-08	5.12E-10	4.91E-08	8.30E-09	2.84E-08	3.68E-10	3.71E-08	9.41E-10	4.98E-09	8.73E-11	6.00E-09	8.56E-10	2.61E-09	2.64E-11	3.49E-09
6363	469072.98	3819801.76	9.70E-09	3.76E-08	4.98E-10	4.78E-08	8.08E-09	2.76E-08	3.58E-10	3.61E-08	9.16E-10	4.84E-09	8.50E-11	5.84E-09	8.33E-10	2.54E-09	2.57E-11	3.39E-09
6364	469069.46	3819792.79	9.44E-09	3.66E-08	4.85E-10	4.66E-08	7.87E-09	2.69E-08	3.48E-10	3.51E-08	8.92E-10	4.71E-09	8.27E-11	5.69E-09	8.11E-10	2.47E-09	2.50E-11	3.30E-09
6365	469065.93	3819783.81	9.19E-09	3.57E-08	4.72E-10	4.53E-08	7.66E-09	2.62E-08	3.39E-10	3.42E-08	8.68E-10	4.59E-09	8.06E-11	5.54E-09	7.89E-10	2.40E-09	2.44E-11	3.22E-09
6366	469062.41	3819774.84	8.94E-09	3.47E-08	4.59E-10	4.41E-08	7.45E-09	2.55E-08	3.30E-10	3.33E-08	8.44E-10	4.46E-09	7.84E-11	5.39E-09	7.68E-10	2.34E-09	2.37E-11	3.13E-09
6367	469058.88	3819765.86	8.70E-09	3.37E-08	4.47E-10	4.29E-08	7.24E-09	2.48E-08	3.21E-10	3.24E-08	8.21E-10	4.34E-09	7.62E-11	5.24E-09	7.47E-10	2.27E-09	2.31E-11	3.04E-09
6368	469055.36	3819756.88	8.46E-09	3.28E-08	4.35E-10	4.17E-08	7.04E-09	2.41E-08	3.12E-10	3.15E-08	7.99E-10	4.22E-09	7.41E-11	5.10E-09	7.26E-10	2.21E-09	2.24E-11	2.96E-09
6369	469051.83	3819747.91	8.22E-09	3.19E-08	4.22E-10	4.05E-08	6.85E-09	2.34E-08	3.03E-10	3.06E-08	7.76E-10	4.10E-09	7.20E-11	4.95E-09	7.06E-10	2.15E-09	2.18E-11	2.88E-09
6370	469048.31	3819738.93	7.99E-09	3.10E-08	4.10E-10	3.94E-08	6.65E-09	2.28E-08	2.95E-10	2.97E-08	7.54E-10	3.99E-09	7.00E-11	4.81E-09	6.86E-10	2.09E-09	2.12E-11	2.80E-09
6371	469044.78	3819729.96	7.76E-09	3.01E-08	3.99E-10	3.83E-08	6.47E-09	2.21E-08	2.86E-10	2.89E-08	7.33E-10	3.88E-09	6.80E-11	4.68E-09	6.66E-10	2.03E-09	2.06E-11	2.72E-09
6372	469041.26	3819720.98	7.54E-09	2.92E-08	3.87E-10	3.72E-08	6.28E-09	2.15E-08	2.78E-10	2.81E-08	7.12E-10	3.77E-09	6.61E-11	4.54E-09	6.47E-10	1.97E-09	2.00E-11	2.64E-09
6373	469037.73	3819712	7.33E-09	2.84E-08	3.76E-10	3.61E-08	6.10E-09	2.09E-08	2.70E-10	2.73E-08	6.92E-10	3.66E-09	6.42E-11	4.41E-09	6.29E-10	1.92E-09	1.94E-11	2.56E-09
6374	469034.21	3819703.03	7.12E-09	2.76E-08	3.66E-10	3.51E-08	5.93E-09	2.03E-08	2.63E-10	2.65E-08	6.73E-10	3.56E-09	6.24E-11	4.29E-09	6.11E-10	1.86E-09	1.89E-11	2.49E-09
6375	469030.68	3819694.05	6.92E-09	2.69E-08	3.56E-10	3.41E-08	5.77E-09	1.97E-08	2.55E-10	2.58E-08	6.54E-10	3.46E-09	6.07E-11	4.17E-09	5.94E-10	1.81E-09	1.84E-11	2.42E-09
6376	469027.16	3819685.08	6.73E-09	2.61E-08	3.46E-10	3.32E-08	5.61E-09	1.92E-08	2.48E-10	2.50E-08	6.36E-10	3.36E-09	5.90E-11	4.05E-09	5.78E-10	1.76E-09	1.78E-11	2.36E-09
6377	469023.63	3819676.1	6.54E-09	2.54E-08	3.36E-10	3.23E-08	5.45E-09	1.87E-08	2.41E-10	2.43E-08	6.18E-10	3.27E-09	5.74E-11	3.94E-09	5.62E-10	1.71E-09	1.74E-11	2.29E-09
6378	469020.11	3819667.13	6.36E-09	2.47E-08	3.27E-10	3.14E-08	5.30E-09	1.81E-08	2.35E-10	2.37E-08	6.01E-10	3.18E-09	5.58E-11	3.83E-09	5.46E-10	1.66E-09	1.69E-11	2.23E-09
6379	469016.58	3819658.15	6.19E-09	2.40E-08	3.18E-10	3.05E-08	5.15E-09	1.76E-08	2.28E-10	2.30E-08	5.84E-10	3.09E-09	5.42E-11	3.73E-09	5.31E-10	1.62E-09	1.64E-11	2.17E-09
6380	469013.06	3819649.17	6.02E-09	2.34E-08	3.09E-10	2.97E-08	5.02E-09	1.72E-08	2.22E-10	2.24E-08	5.69E-10	3.01E-09	5.28E-11	3.63E-09	5.17E-10	1.57E-09	1.60E-11	2.11E-09
6381	469009.53	3819640.2	5.85E-09	2.27E-08	3.01E-10	2.89E-08	4.88E-09	1.67E-08	2.16E-10	2.18E-08	5.53E-10	2.92E-09	5.13E-11	3.53E-09	5.03E-10	1.53E-09	1.55E-11	2.05E-09
6382	469006.01	3819631.22	5.69E-09	2.21E-08	2.93E-10	2.81E-08	4.74E-09	1.62E-08	2.10E-10	2.12E-08	5.38E-10	2.84E-09	4.99E-11	3.43E-09	4.89E-10	1.49E-09	1.51E-11	1.99E-09
6383	469002.48	3819622.25	5.54E-09	2.15E-08	2.85E-10	2.73E-08	4.61E-09	1.58E-08	2.04E-10	2.06E-08	5.23E-10	2.76E-09	4.85E-11	3.34E-09	4.75E-10	1.45E-09	1.47E-11	1.94E-09
6384	468998.96	3819613.27	5.39E-09	2.09E-08	2.77E-10	2.66E-08	4.49E-09	1.54E-08	1.99E-10	2.00E-08	5.09E-10	2.69E-09	4.72E-11	3.25E-09	4.63E-10	1.41E-09	1.43E-11	1.89E-09
6385	468995.43	3819604.29	5.25E-09	2.03E-08	2.70E-10	2.59E-08	4.37E-09	1.50E-08	1.94E-10	1.95E-08	4.95E-10	2.62E-09	4.60E-11	3.16E-09	4.50E-10	1.37E-09	1.39E-11	1.84E-09
6386	468991.91	3819595.32	5.12E-09	1.98E-08	2.63E-10	2.52E-08	4.26E-09	1.46E-08	1.89E-10	1.90E-08	4.83E-10	2.55E-09	4.48E-11	3.08E-09	4.39E-10	1.34E-09	1.36E-11	1.79E-09
6387	468988.38	3819586.34	4.99E-09	1.93E-08	2.56E-10	2.46E-08	4.15E-09	1.42E-08	1.84E-10	1.85E-08	4.71E-10	2.49E-09	4.37E-11	3.00E-09	4.28E-10	1.30E-09	1.32E-11	1.74E-09
6388	468984.86	3819577.37	4.86E-09	1.89E-08	2.50E-10	2.40E-08	4.05E-09	1.39E-08	1.79E-10	1.81E-08	4.59E-10	2.43E-09	4.26E-11	2.93E-09	4.17E-10	1.27E-09	1.29E-11	1.70E-09
6389	468981.33	3819568.39	4.75E-09	1.84E-08	2.44E-10	2.34E-08	3.95E-09	1.35E-08	1.75E-10	1.76E-08	4.48E-10	2.37E-09	4.16E-11	2.86E-09	4.07E-10	1.24E-09	1.26E-11	1.66E-09
6390	468977.81	3819559.42	4.63E-09	1.80E-08	2.38E-10	2.28E-08	3.86E-09	1.32E-08	1.71E-10	1.72E-08	4.37E-10	2.31E-09	4.06E-11	2.79E-09	3.97E-10	1.21E-09	1.23E-11	1.62E-09
6391	468974.28	3819550.44	4.52E-09	1.75E-08	2.32E-10	2.23E-08	3.76E-09	1.29E-08	1.67E-10	1.68E-08	4.27E-10	2.26E-09	3.96E-11	2.72E-09	3.88E-10	1.18E-09	1.20E-11	1.58E-09
6392	468970.76	3819541.46	4.42E-09	1.71E-08	2.27E-10	2.18E-08	3.68E-09	1.26E-08	1.63E-10	1.64E-08	4.17E-10	2.21E-09	3.87E-11	2.66E-09	3.79E-10	1.15E-09	1.17E-11	1.55E-09
6393	468967.24	3819532.49	4.32E-09	1.67E-08	2.22E-10	2.13E-08	3.59E-09	1.23E-08	1.59E-10	1.61E-08	4.08E-10	2.15E-09	3.78E-11	2.60E-09	3.71E-10	1.13E-09	1.14E-11	1.51E-09
6394	468963.71	3819523.51	4.22E-09	1.64E-08	2.17E-10	2.08E-08	3.51E-09	1.20E-08	1.56E-10	1.57E-08	3.98E-10	2.11E-09	3.70E-11	2.54E-09	3.62E-10	1.10E-09	1.12E-11	1.48E-09
6395	468960.19	3819514.54	4.12E-09	1.60E-08	2.12E-10	2.03E-08	3.43E-09	1.18E-08	1.52E-10	1.53E-08	3.89E-10	2.06E-09	3.61E-11	2.48E-09	3.54E-10	1.08E-09	1.09E-11	1.44E-09
6396	468956.66	3819505.56	4.03E-09	1.56E-08	2.07E-10	1.99E-08	3.36E-09	1.15E-08	1.49E-10	1.50E-08	3.81E-10	2.01E-09	3.53E-11	2.43E-09	3.46E-10	1.05E-09	1.07E-11	1.41E-09
6397	468953.14	3819496.58	3.95E-09	1.53E-08	2.03E-10	1.94E-08	3.29E-09	1.12E-08	1.45E-10	1.47E-08	3.73E-10	1.97E-09	3.46E-11	2.38E-09	3.39E-10	1.03E-09	1.05E-11	1.38E-09
6398	468949.61	3819487.61	3.87E-09	1.50E-08	1.99E-10	1.91E-08	3.22E-09	1.10E-08	1.43E-10	1.44E-08	3.65E-10	1.93E-09	3.39E-11	2.33E-09	3.32E-10	1.01E-09	1.02E-11	1.35E-09
6399	468946.09	3819478.63	3.79E-09	1.47E-08	1.94E-10	1.87E-08	3.15E-09	1.08E-08	1.40E-10	1.41E-08	3.57E-10	1.89E-09	3.32E-11	2.28E-09	3.25E-10	9.89E-10	1.00E-11	1.32E-09
6400	468942.56	3819469.66	3.71E-09	1.44E-08	1.91E-10	1.83E-08	3.09E-09	1.06E-08	1.37E-10	1.38E-08	3.51E-10	1.85E-09	3.25E-11	2.24E-09	3.19E-10	9.70E-10	9.84E-12	1.30E-09
6401	468939.04	3819460.68	3.51E-09	1.36E-08	1.80E-10	1.73E-08	2.92E-09	1.00E-08	1.29E-10	1.31E-08	3.31E-10	1.75E-09	3.07E-11	2.11E-09	3.01E-10	9.17E-10	9.30E-12	1.23E-09
6402	468935.51	3819451.71	3.45E-09	1.34E-08	1.77E-10	1.70E-08	2.88E-09	9.84E-09	1.27E-10	1.28E-08	3.26E-10	1.72E-09	3.03E-11	2.08E-09	2.97E-10	9.03E-10	9.16E-12	1.21E-09
6403	468931.99	3819442.73	3.41E-09	1.32E-08	1.75E-10	1.68E-08	2.84E-09	9.71E-09	1.26E-10	1.27E-08	3.22E-10	1.70E-09	2.99E-11	2.05E-09	2.92E-10	8.91E-10	9.03E-12	1.19E-09
6404	468928.46	3819433.75	3.36E-09	1.30E-08	1.73E-10	1.66E-08	2.80E-09	9.57E-09	1.24E-10	1.25E-08	3.17E-10	1.68E-09	2.94E-11	2.02E-09	2.88E-10	8.78E-10	8.91E-12	1.18E-09
6405	470088.27	3820628.29	3.57E-08	1.39E-07	1.84E-09	1.76E-07	2.98E-08	1.02E-07	1.32E-09	1.33E-07	3.37E-09	1.78E-08	3.13E-10	2.15E-08	3.07E-09	9.34E-09	9.47E-11	1.25E-08
6406	470097.97	3820628.42	3.55E-08	1.38E-07	1.82E-09	1.75E-07	2.96E-08	1.01E-07	1.31E-09	1.32E-07	3.35E-09	1.77E-08	3.11E-10	2.14E-08	3.05E-09	9.28E-09	9.41E-11	1.24E-08
6407	470107.67	3820628.56	3.53E-08	1.37E-07	1.81E-09	1.74E-07	2.94E-08	1.00E-07	1.30E-09	1.31E-07	3.33E-09	1.76E-08	3.09E-10	2.12E-08	3.03E-09	9.22E-09	9.35E-11	1.23E-08
6408	470117.37	3820628.69	3.50E-08	1.36E-07	1.80E-09	1.73E-07	2.92E-08	9.98E-08	1.29E-09	1.30E-07	3.31E-09	1.75E-08	3.07E-10	2.11E-08	3.01E-09	9.16E-09	9.29E-11	1.23E-08
6409	470127.06	3820628.83	3.48E-08	1.35E-07	1.79E-09	1.71E-07	2.90E-08	9.91E-08	1.28E-09	1.29E-07	3.28E-09	1.74E-08	3.05E-10	2.10E-08	2.99E-09	9.09E-09	9.22E-11	1.22E-08
6410	470136.76	3820628.96	3.45E-08	1.34E-07	1.77E-09	1.70E-07	2.88E-08	9.84E-08	1.27E-09	1.28E-07	3.26E-09	1.72E-08	3.03E-10	2.08E-08	2.96E-09	9.02E-09	9.15E-11	1.21E-08
6411	470146.46	3820629.1	3.43E-08	1.33E-07	1.76E-09	1.69E-07	2.85E-08	9.76E-08	1.26E-09	1.27E-07	3.23E-09	1.71E-08	3.00E-10	2.06E-08	2.94E-09	8.95E-09	9.08E-11	1.20E-08
6412	470156.15	3820629.23	3.40E-08	1.32E-07	1.75E-09	1.68E-07	2.83E-08	9.68E-08	1.25E-09	1.26E-07	3.21E-09	1.70E-08	2.98E-10	2.05E-08	2.92E-09	8.88E-09	9.01E-11	1.19E-08
6413	470165.85	3820629.37	3.37E-08	1.31E-07	1.73E-09	1.66E-07	2.81E-08	9.60E-08	1.24E-09	1.25E-07	3.18E-09	1.68E-08	2.95E-10	2.03E-08	2.89E-09	8.81E-09	8.93E-11	1.18E-08
6414	470175.55	3820629.5	3.34E-08	1.30E-07	1.72E-09	1.65E-07	2.78E-08	9.52E-08	1.23E-09	1.24E-07	3.15E-09	1.67E-08	2.93E-10	2.01E-08	2.87E-09	8.73E-09	8.86E-11	1.17E-08
6415	470185.25	3820629.64	3.31E-08	1.28E-07	1.70E-09	1.63E-07	2.76E-08	9.44E-08	1.22E-09	1.23E-07	3.13E-09	1.65E-08	2.90E-10	1.99E-08	2.84E-09	8.66E-09	8.78E-11	1.16E-08
6416	470194.94	3820629.77	3.28E-08	1.27E-07	1.69E-09	1.62E-07	2.73E-08	9.35E-08	1.21E-09	1.22E-07	3.10E-09	1.64E-08	2.88E-10	1.98E-08	2.82E-09	8.58E-09	8.70E-11	1.15E-08
6417	470204.64	3820629.91	3.25E-08	1.26E-07	1.67E-09	1.60E-07	2.71E-08	9.27E-08	1.20E-09	1.21E-07	3.07E-09	1.62E-08	2.85E-10	1.96E-08	2.79E-09	8.50E-09	8.62E-11	1.14E-08
6418	470214.34	3820630.04	3.22E-08	1.25E-07	1.66E-09	1.59E-07	2.68E-08	9.18E-08	1.19E-09	1.20E-07	3.04E-09	1.61E-08	2.82E-10	1.94E-08	2.77E-09	8.42E-09	8.54E-11	1.13E-08
6419	470224.04	3820630.18	3.19E-08	1.24E-07	1.64E-09	1.57E-07	2.66E-08	9.10E-08	1.18E-09	1.19E-07	3.01E-09	1.59E-08	2.80E-10	1.92E-08	2.74E-09	8.35E-09	8.46E-11	1.12E-08
6420	470233.73	3820630.31	3.16E-08	1.23E-07	1.63E-09	1.56E-07	2.63E-08	9.01E-08	1.17E-09	1.18E-07	2.99E-09	1.58E-08	2.77E-10	1.91E-08	2.72E-09	8.27E-09	8.39E-11	1.11E-08
6421	470243.43	3820630.45	3.13E-08	1.22E-07	1.61E-09	1.54E-07	2.61E-08	8.93E-08	1.16E-09	1.17E-07	2.96E-09	1.56E-08	2.75E-10	1.89E-08	2.69E-09	8.19E-09	8.31E-11	1.10E-08
6422	470253.13	3820630.58	3.10E-08	1.20E-07	1.60E-09	1.53E-07	2.59E-08	8.85E-08	1.15E-09	1.15E-07	2.93E-09	1.55E-08	2.72E-10	1.87E-08	2.67E-09	8.12E-09	8.23E-11	1.09E-08
6423	470262.82	3820630.72	3.08E-08	1.19E-07	1.58E-09	1.52E-07	2.56E-08	8.77E-08	1.13E-09	1.14E-07	2.91E-09	1.54E-08	2.70E-10	1.85E-08	2.64E-09	8.04E-09	8.16E-11	1.08E-08
6424	470078.28	3820704.44	3.24E-08	1.26E-07	1.66E-09	1.60E-07	2.70E-08	9.23E-08	1.19E-09	1.21E-07	3.06E-09	1.62E-08	2.84E-10	1.95E-08	2.78E-09	8.47E-09	8.59E-11	1.13E-08
6425	470069.39	3820700.59	3.27E-08	1.27E-07	1.68E-09	1.61E-07	2.73E-08	9.33E-08	1.21E-09	1.22E-07	3.09E-09	1.63E-08	2.87E-10	1.97E-08	2.81E-09	8.56E-09	8.68E-11	1.15E-08
6426	470060.51	3820696.75	3.30E-08	1.28E-07	1.70E-09	1.63E-07	2.75E-08	9.42E-08	1.22E-09	1.23E-07	3.12E-09	1.65E-08	2.90E-10	1.99E-08	2.84E-09	8.64E-09	8.76E-11	1.16E-08
6427	470051.62	3820692.91	3.33E-08	1.29E-07	1.71E-09	1.64E-07	2.78E-08	9.50E-08	1.23E-09	1.24E-07	3.15E-09	1.66E-08	2.92E-10	2.01E-08	2.86E-09	8.72E-09	8.84E-11	1.17E-08
6428	470042.74	3820689.07	3.36E-08	1.30E-07	1.73E-09	1.66E-07	2.80E-08	9.58E-08	1.24E-09	1.25E-07	3.17E-09	1.68E-08	2.95E-10	2.03E-08	2.89E-09	8.79E-09	8.91E-11	1.

6429	470033.86	3820685.23	3.39E-08	1.31E-07	1.74E-09	1.67E-07	2.82E-08	9.66E-08	1.25E-09	1.26E-07	3.20E-09	1.69E-08	2.97E-10	2.04E-08	2.91E-09	8.86E-09	8.98E-11	1.19E-08
6430	470024.97	3820681.39	3.41E-08	1.32E-07	1.75E-09	1.68E-07	2.84E-08	9.73E-08	1.26E-09	1.27E-07	3.22E-09	1.70E-08	2.99E-10	2.06E-08	2.93E-09	8.92E-09	9.05E-11	1.19E-08
6431	470016.09	3820677.54	3.44E-08	1.33E-07	1.77E-09	1.69E-07	2.86E-08	9.80E-08	1.27E-09	1.28E-07	3.25E-09	1.72E-08	3.01E-10	2.07E-08	2.95E-09	8.99E-09	9.11E-11	1.20E-08
6432	470007.2	3820673.7	3.46E-08	1.34E-07	1.78E-09	1.71E-07	2.88E-08	9.86E-08	1.28E-09	1.29E-07	3.27E-09	1.73E-08	3.03E-10	2.09E-08	2.97E-09	9.05E-09	9.18E-11	1.21E-08
6433	469998.32	3820669.86	3.48E-08	1.35E-07	1.79E-09	1.72E-07	2.90E-08	9.93E-08	1.28E-09	1.30E-07	3.29E-09	1.74E-08	3.05E-10	2.10E-08	2.99E-09	9.10E-09	9.23E-11	1.22E-08
6434	469989.44	3820666.02	3.50E-08	1.36E-07	1.80E-09	1.73E-07	2.92E-08	9.98E-08	1.29E-09	1.30E-07	3.31E-09	1.75E-08	3.07E-10	2.11E-08	3.01E-09	9.16E-09	9.29E-11	1.23E-08
6435	469980.55	3820662.18	3.52E-08	1.37E-07	1.81E-09	1.74E-07	2.93E-08	1.00E-07	1.30E-09	1.31E-07	3.32E-09	1.76E-08	3.08E-10	2.12E-08	3.02E-09	9.20E-09	9.33E-11	1.23E-08
6436	469971.67	3820658.34	3.54E-08	1.37E-07	1.82E-09	1.74E-07	2.95E-08	1.01E-07	1.30E-09	1.32E-07	3.34E-09	1.77E-08	3.10E-10	2.13E-08	3.04E-09	9.24E-09	9.37E-11	1.24E-08
6437	469962.78	3820654.49	3.55E-08	1.38E-07	1.82E-09	1.75E-07	2.96E-08	1.01E-07	1.31E-09	1.32E-07	3.35E-09	1.77E-08	3.11E-10	2.14E-08	3.05E-09	9.28E-09	9.41E-11	1.24E-08
6438	469953.9	3820650.65	3.56E-08	1.38E-07	1.83E-09	1.76E-07	2.97E-08	1.01E-07	1.31E-09	1.32E-07	3.36E-09	1.78E-08	3.12E-10	2.15E-08	3.06E-09	9.31E-09	9.44E-11	1.25E-08
6439	469945.02	3820646.81	3.57E-08	1.38E-07	1.83E-09	1.76E-07	2.97E-08	1.02E-07	1.32E-09	1.33E-07	3.37E-09	1.78E-08	3.13E-10	2.15E-08	3.07E-09	9.33E-09	9.47E-11	1.25E-08
6440	469936.13	3820642.97	3.58E-08	1.39E-07	1.84E-09	1.76E-07	2.98E-08	1.02E-07	1.32E-09	1.33E-07	3.38E-09	1.79E-08	3.14E-10	2.16E-08	3.07E-09	9.35E-09	9.49E-11	1.25E-08
6441	469927.25	3820639.13	3.58E-08	1.39E-07	1.84E-09	1.77E-07	2.99E-08	1.02E-07	1.32E-09	1.33E-07	3.38E-09	1.79E-08	3.14E-10	2.16E-08	3.08E-09	9.37E-09	9.50E-11	1.25E-08
6442	469918.36	3820635.29	3.59E-08	1.39E-07	1.84E-09	1.77E-07	2.99E-08	1.02E-07	1.32E-09	1.33E-07	3.39E-09	1.79E-08	3.14E-10	2.16E-08	3.08E-09	9.38E-09	9.51E-11	1.26E-08
6443	469909.48	3820631.44	3.59E-08	1.39E-07	1.84E-09	1.77E-07	2.99E-08	1.02E-07	1.32E-09	1.34E-07	3.39E-09	1.79E-08	3.15E-10	2.16E-08	3.08E-09	9.38E-09	9.52E-11	1.26E-08
6444	469900.6	3820627.6	3.59E-08	1.39E-07	1.84E-09	1.77E-07	2.99E-08	1.02E-07	1.32E-09	1.34E-07	3.39E-09	1.79E-08	3.15E-10	2.16E-08	3.08E-09	9.39E-09	9.52E-11	1.26E-08
6445	469891.71	3820623.76	3.59E-08	1.39E-07	1.84E-09	1.77E-07	2.99E-08	1.02E-07	1.32E-09	1.33E-07	3.39E-09	1.79E-08	3.14E-10	2.16E-08	3.08E-09	9.38E-09	9.51E-11	1.26E-08
6446	469882.83	3820619.92	3.58E-08	1.39E-07	1.84E-09	1.77E-07	2.99E-08	1.02E-07	1.32E-09	1.33E-07	3.38E-09	1.79E-08	3.14E-10	2.16E-08	3.08E-09	9.37E-09	9.50E-11	1.25E-08
6447	469873.94	3820616.08	3.58E-08	1.39E-07	1.84E-09	1.76E-07	2.98E-08	1.02E-07	1.32E-09	1.33E-07	3.38E-09	1.79E-08	3.14E-10	2.16E-08	3.07E-09	9.35E-09	9.49E-11	1.25E-08
6448	469865.06	3820612.24	3.57E-08	1.39E-07	1.83E-09	1.76E-07	2.97E-08	1.02E-07	1.32E-09	1.33E-07	3.37E-09	1.78E-08	3.13E-10	2.15E-08	3.07E-09	9.34E-09	9.47E-11	1.25E-08
6449	469856.18	3820608.39	3.56E-08	1.38E-07	1.83E-09	1.76E-07	2.97E-08	1.01E-07	1.31E-09	1.32E-07	3.36E-09	1.78E-08	3.12E-10	2.15E-08	3.06E-09	9.31E-09	9.44E-11	1.25E-08
6450	469847.29	3820604.55	3.55E-08	1.38E-07	1.82E-09	1.75E-07	2.96E-08	1.01E-07	1.31E-09	1.32E-07	3.35E-09	1.77E-08	3.11E-10	2.14E-08	3.05E-09	9.28E-09	9.41E-11	1.24E-08
6451	469838.41	3820600.71	3.54E-08	1.37E-07	1.82E-09	1.74E-07	2.95E-08	1.01E-07	1.30E-09	1.32E-07	3.34E-09	1.77E-08	3.10E-10	2.13E-08	3.04E-09	9.25E-09	9.38E-11	1.24E-08
6452	469829.52	3820596.87	3.52E-08	1.37E-07	1.81E-09	1.74E-07	2.93E-08	1.00E-07	1.30E-09	1.31E-07	3.33E-09	1.76E-08	3.09E-10	2.12E-08	3.02E-09	9.21E-09	9.34E-11	1.23E-08
6453	469820.64	3820593.03	3.51E-08	1.36E-07	1.80E-09	1.73E-07	2.92E-08	9.99E-08	1.29E-09	1.30E-07	3.31E-09	1.75E-08	3.07E-10	2.11E-08	3.01E-09	9.16E-09	9.29E-11	1.23E-08
6454	469811.75	3820589.19	3.49E-08	1.35E-07	1.79E-09	1.72E-07	2.91E-08	9.94E-08	1.29E-09	1.30E-07	3.29E-09	1.74E-08	3.06E-10	2.10E-08	2.99E-09	9.12E-09	9.25E-11	1.22E-08
6455	469802.87	3820585.34	3.47E-08	1.35E-07	1.78E-09	1.71E-07	2.89E-08	9.89E-08	1.28E-09	1.29E-07	3.28E-09	1.73E-08	3.04E-10	2.09E-08	2.98E-09	9.07E-09	9.20E-11	1.21E-08
6456	469793.99	3820581.5	3.45E-08	1.34E-07	1.77E-09	1.70E-07	2.87E-08	9.83E-08	1.27E-09	1.28E-07	3.26E-09	1.72E-08	3.02E-10	2.08E-08	2.96E-09	9.02E-09	9.14E-11	1.21E-08
6457	469785.1	3820577.66	3.43E-08	1.33E-07	1.76E-09	1.69E-07	2.85E-08	9.77E-08	1.26E-09	1.27E-07	3.24E-09	1.71E-08	3.00E-10	2.06E-08	2.94E-09	8.96E-09	9.09E-11	1.20E-08
6458	469776.22	3820573.82	3.40E-08	1.32E-07	1.75E-09	1.68E-07	2.84E-08	9.70E-08	1.26E-09	1.27E-07	3.22E-09	1.70E-08	2.98E-10	2.05E-08	2.92E-09	8.90E-09	9.03E-11	1.19E-08
6459	469767.33	3820569.98	3.38E-08	1.31E-07	1.74E-09	1.67E-07	2.82E-08	9.64E-08	1.25E-09	1.26E-07	3.19E-09	1.69E-08	2.96E-10	2.04E-08	2.90E-09	8.84E-09	8.96E-11	1.18E-08
6460	469758.45	3820566.13	3.36E-08	1.30E-07	1.72E-09	1.65E-07	2.80E-08	9.57E-08	1.24E-09	1.25E-07	3.17E-09	1.68E-08	2.94E-10	2.02E-08	2.88E-09	8.78E-09	8.90E-11	1.17E-08
6461	469749.57	3820562.29	3.33E-08	1.29E-07	1.71E-09	1.64E-07	2.78E-08	9.50E-08	1.23E-09	1.24E-07	3.15E-09	1.66E-08	2.92E-10	2.01E-08	2.86E-09	8.71E-09	8.83E-11	1.17E-08
6462	469740.68	3820558.45	3.31E-08	1.28E-07	1.70E-09	1.63E-07	2.75E-08	9.42E-08	1.22E-09	1.23E-07	3.12E-09	1.65E-08	2.90E-10	1.99E-08	2.84E-09	8.64E-09	8.77E-11	1.16E-08
6463	469731.8	3820554.61	3.28E-08	1.27E-07	1.69E-09	1.62E-07	2.73E-08	9.35E-08	1.21E-09	1.22E-07	3.10E-09	1.64E-08	2.87E-10	1.98E-08	2.82E-09	8.58E-09	8.70E-11	1.15E-08
6464	469722.91	3820550.77	3.25E-08	1.26E-07	1.67E-09	1.60E-07	2.71E-08	9.27E-08	1.20E-09	1.21E-07	3.07E-09	1.62E-08	2.85E-10	1.96E-08	2.79E-09	8.51E-09	8.63E-11	1.14E-08
6465	469714.03	3820546.93	3.23E-08	1.25E-07	1.66E-09	1.59E-07	2.69E-08	9.20E-08	1.19E-09	1.20E-07	3.05E-09	1.61E-08	2.83E-10	1.94E-08	2.77E-09	8.44E-09	8.56E-11	1.13E-08
6466	469705.15	3820543.08	3.20E-08	1.24E-07	1.64E-09	1.58E-07	2.67E-08	9.12E-08	1.18E-09	1.19E-07	3.02E-09	1.60E-08	2.80E-10	1.93E-08	2.75E-09	8.37E-09	8.48E-11	1.12E-08
6467	469696.26	3820539.24	3.17E-08	1.23E-07	1.63E-09	1.56E-07	2.64E-08	9.04E-08	1.17E-09	1.18E-07	3.00E-09	1.58E-08	2.78E-10	1.91E-08	2.72E-09	8.29E-09	8.41E-11	1.11E-08
6468	469607.42	3820500.83	2.90E-08	1.13E-07	1.49E-09	1.43E-07	2.42E-08	8.28E-08	1.07E-09	1.08E-07	2.74E-09	1.45E-08	2.55E-10	1.75E-08	2.49E-09	7.59E-09	7.70E-11	1.02E-08
6469	469598.54	3820496.98	2.88E-08	1.12E-07	1.48E-09	1.42E-07	2.40E-08	8.21E-08	1.06E-09	1.07E-07	2.72E-09	1.44E-08	2.52E-10	1.73E-08	2.47E-09	7.53E-09	7.63E-11	1.01E-08
6470	469589.65	3820493.14	2.85E-08	1.11E-07	1.47E-09	1.41E-07	2.38E-08	8.14E-08	1.05E-09	1.06E-07	2.70E-09	1.43E-08	2.50E-10	1.72E-08	2.45E-09	7.46E-09	7.57E-11	9.99E-09
6471	469580.77	3820489.3	2.83E-08	1.10E-07	1.45E-09	1.40E-07	2.36E-08	8.07E-08	1.04E-09	1.05E-07	2.67E-09	1.41E-08	2.48E-10	1.71E-08	2.43E-09	7.40E-09	7.50E-11	9.90E-09
6472	469571.89	3820485.46	2.81E-08	1.09E-07	1.44E-09	1.38E-07	2.34E-08	8.00E-08	1.03E-09	1.04E-07	2.65E-09	1.40E-08	2.46E-10	1.69E-08	2.41E-09	7.34E-09	7.44E-11	9.82E-09
6473	469563	3820481.62	2.78E-08	1.08E-07	1.43E-09	1.37E-07	2.32E-08	7.93E-08	1.03E-09	1.04E-07	2.63E-09	1.39E-08	2.44E-10	1.68E-08	2.39E-09	7.27E-09	7.38E-11	9.74E-09
6474	469554.12	3820477.78	2.76E-08	1.07E-07	1.42E-09	1.36E-07	2.30E-08	7.87E-08	1.02E-09	1.03E-07	2.61E-09	1.38E-08	2.42E-10	1.66E-08	2.37E-09	7.22E-09	7.32E-11	9.66E-09
6475	469545.23	3820473.93	2.74E-08	1.06E-07	1.41E-09	1.35E-07	2.28E-08	7.80E-08	1.01E-09	1.02E-07	2.59E-09	1.37E-08	2.40E-10	1.65E-08	2.35E-09	7.16E-09	7.26E-11	9.58E-09
6476	469536.35	3820470.09	2.72E-08	1.05E-07	1.40E-09	1.34E-07	2.26E-08	7.74E-08	1.00E-09	1.01E-07	2.56E-09	1.36E-08	2.38E-10	1.64E-08	2.33E-09	7.10E-09	7.20E-11	9.50E-09
6477	469527.46	3820466.25	2.69E-08	1.05E-07	1.38E-09	1.33E-07	2.24E-08	7.68E-08	9.94E-10	1.00E-07	2.54E-09	1.35E-08	2.36E-10	1.62E-08	2.31E-09	7.04E-09	7.14E-11	9.43E-09
6478	469518.58	3820462.41	2.67E-08	1.04E-07	1.37E-09	1.32E-07	2.23E-08	7.62E-08	9.86E-10	9.95E-08	2.53E-09	1.34E-08	2.34E-10	1.61E-08	2.30E-09	6.99E-09	7.09E-11	9.36E-09
6479	469509.7	3820458.57	2.65E-08	1.03E-07	1.36E-09	1.31E-07	2.21E-08	7.56E-08	9.78E-10	9.87E-08	2.51E-09	1.32E-08	2.32E-10	1.60E-08	2.28E-09	6.94E-09	7.03E-11	9.28E-09
6480	469500.81	3820454.73	2.63E-08	1.02E-07	1.35E-09	1.30E-07	2.19E-08	7.50E-08	9.71E-10	9.80E-08	2.49E-09	1.31E-08	2.31E-10	1.59E-08	2.26E-09	6.88E-09	6.98E-11	9.21E-09
6481	469491.93	3820450.88	2.61E-08	1.01E-07	1.34E-09	1.29E-07	2.18E-08	7.45E-08	9.64E-10	9.72E-08	2.47E-09	1.30E-08	2.29E-10	1.57E-08	2.24E-09	6.83E-09	6.93E-11	9.14E-09
6482	469483.04	3820447.04	2.59E-08	1.01E-07	1.33E-09	1.28E-07	2.16E-08	7.39E-08	9.57E-10	9.65E-08	2.45E-09	1.30E-08	2.27E-10	1.56E-08	2.23E-09	6.78E-09	6.88E-11	9.08E-09
6483	469474.16	3820443.2	2.57E-08	9.99E-08	1.32E-09	1.27E-07	2.14E-08	7.34E-08	9.50E-10	9.58E-08	2.43E-09	1.29E-08	2.26E-10	1.55E-08	2.21E-09	6.73E-09	6.83E-11	9.01E-09
6484	469465.28	3820439.36	2.56E-08	9.91E-08	1.31E-09	1.26E-07	2.13E-08	7.28E-08	9.43E-10	9.51E-08	2.41E-09	1.28E-08	2.24E-10	1.54E-08	2.19E-09	6.68E-09	6.78E-11	8.94E-09
6485	469456.39	3820435.52	2.54E-08	9.84E-08	1.30E-09	1.25E-07	2.11E-08	7.23E-08	9.36E-10	9.44E-08	2.40E-09	1.27E-08	2.22E-10	1.53E-08	2.18E-09	6.63E-09	6.73E-11	8.88E-09
6486	469447.51	3820431.68	2.52E-08	9.77E-08	1.29E-09	1.24E-07	2.10E-08	7.18E-08	9.29E-10	9.37E-08	2.38E-09	1.26E-08	2.21E-10	1.52E-08	2.16E-09	6.58E-09	6.68E-11	8.81E-09
6487	469438.62	3820427.83	2.50E-08	9.70E-08	1.28E-09	1.23E-07	2.08E-08	7.12E-08	9.22E-10	9.30E-08	2.36E-09	1.25E-08	2.19E-10	1.51E-08	2.15E-09	6.53E-09	6.63E-11	8.75E-09
6488	469429.74	3820423.99	2.48E-08	9.62E-08	1.28E-09	1.22E-07	2.07E-08	7.07E-08	9.15E-10	9.23E-08	2.34E-09	1.24E-08	2.17E-10	1.50E-08	2.13E-09	6.49E-09	6.58E-11	8.68E-09
6489	469420.86	3820420.15	2.46E-08	9.55E-08	1.27E-09	1.21E-07	2.05E-08	7.02E-08	9.09E-10	9.16E-08	2.33E-09	1.23E-08	2.16E-10	1.48E-08	2.11E-09	6.44E-09	6.53E-11	8.62E-09
6490	469411.97	3820416.31	2.45E-08	9.48E-08	1.26E-09	1.21E-07	2.04E-08	6.97E-08	9.02E-10	9.10E-08	2.31E-09	1.22E-08	2.14E-10	1.47E-08	2.10E-09	6.39E-09	6.48E-11	8.56E-09
6491	469403.09	3820412.47	2.43E-08	9.41E-08	1.25E-09	1.20E-07	2.02E-08	6.92E-08	8.95E-10	9.03E-08	2.29E-09	1.21E-08	2.13E-10	1.46E-08	2.08E-09	6.35E-09	6.43E-11	8.49E-09
6492	469394.2	3820408.62	2.41E-08	9.34E-08	1.24E-09	1.19E-07	2.01E-08	6.87E-08	8.89E-10	8.96E-08	2.28E-09	1.20E-08	2.11E-10	1.45E-08	2.07E-09	6.30E-09	6.39E-11	8.43E-09
6493	469385.32	3820404.78	2.39E-08	9.27E-08	1.23E-09	1.18E-07	1.99E-08	6.81E-08	8.82E-10	8.89E-08	2.26E-09	1.19E-08	2.10E-10	1.44E-08	2.05E-09	6.25E-09	6.34E-11	8.37E-09
6494	469376.44	3820400.94	2.37E-08	9.20E-08	1.22E-09	1.17E-07	1.98E-08	6.76E-08	8.75E-10	8.82E-08	2.24E-09	1.18E-08	2.08E-10	1.43E-08	2.04E-09	6.20E-09	6.29E-11	8.30E-09
6495	469367.55	3820397.1	2.35E-08	9.13E-08	1.21E-09	1.16E-07	1.96E-08	6.71E-08	8.68E-10	8.75E-08	2.22E-09	1.17E-08	2.06E-10	1.42E-08	2.02E-09	6.15E-09	6.24E-11	8.23E-09
6496	469358.67	3820393.26	2.33E-08	9.05E-08	1.20E-09	1.15E-07	1.94E-08	6.65E-08	8.61E-10	8.68E-08	2.20E-09	1.17E-08	2.05E-10	1.41E-08	2.00E-09	6.10E-09	6.19E-11	8.17E-09
6497	469349.78	3820389.42	2.32E-08	8.98E-08	1.19E-09	1.14E-07	1.93E-08	6.60E-08	8.54E-10	8.61E-08	2.19E-09	1.16E-08	2.03E-10	1.39E-08	1.99E-09	6.05E-09	6.14E-11	8.10E-09
6498	469340.9	3820385.57	2.30E-08	8.90E-08	1.18E-09	1.13E-07	1.91E-08	6.54E-08	8.47E-10	8.54E-08	2.17E-09	1.15E-08	2.01E-10	1.38E-08	1.97E-09	6.00E-09	6.09E-11	8.03E-09
6499	469332.02	3820381.73	2.28E-08	8.83E-08	1.17E-09	1.12E-07	1.90E-08	6.49E-08	8.39E-10	8.47E-08	2.15E-09	1.14E-08	1.99E-10	1.37E-08	1.95E-09	5.95E-09	6.03E-11	7.96E-09
6500	469323.13	3820377.89	2.26E-08	8.75E-08	1.16E-09	1.11E-07	1.88E-08	6.43E-08	8.32E-10	8.39E-08	2.13E-09	1.13E-08	1.98E-10	1.36E-08	1.94E-09	5.90E-09	5.98E-11	7.89E-09
6501	469314.25	3820374.05	2.24E-08	8.67E-08	1.15E-09	1.10E-07	1.86E-08	6.37E-08	8.25E-10	8.32E-08	2.11E-09	1.12E-08	1.96E-10	1.35E-08	1.92E-09	5.84E-09	5.93E-11	7.82E-09
6502	469305.36	3820370.21	2.22E-08	8.59E-08	1.14E-09	1.09E-07	1.85E-08	6.31E-08	8.17E-10	8.24E-08	2.09E-09	1.11E-08	1.94E-10	1.33E-08	1.90E-09	5.79E-09	5.87E-11	7.75E-09
6503	469296.48	3820366.37	2.19E-08	8.51E-08	1.13E-09	1.08E-07	1.83E-08	6.25E-08	8.09E-10	8.16E-08	2.07E-09	1.10E-08	1.92E-10	1.32E-08	1.88E-09	5.74E-09	5.82E-11	7.68E-09
6504	469269.83	3820354.84	2.13E-08	8.26E-08	1.09E-09	1.05E-07	1.77E-08	6.07E-08	7.86E-10	7.93E-08	2.01E-09	1.06E-08	1.87E-10	1.28E-08	1.83E-09	5.57E-09	5.65E-11	7.46E-09
6505	469260.94	3820351	2.11E-08	8.18E-08	1.08E-09	1.04E-07	1.76E-08	6.01E-08	7.78E-10	7.84E-08	1.99E-09	1.05E-08	1.85E-10	1.27E-08	1.81E-09	5.51E-09	5.59E-11	7.38E-09
6506	469252.06	3820347.16	2.09E-08	8.09E-08	1.07E-09	1.03E-07	1.74E-08	5.95E-08	7.69E-10	7.76E-08	1.97E-09	1.04E-08	1.83E-10	1.26E-08	1.79E-09	5.45E-09	5.53E-11	7.30E-09
6507	469243.18	3820343.32	2.06E-08	8.00E-08	1.06E-09	1.02E-07	1.72E-08	5.88E-08	7.61E-10	7.68E-08	1.95E-09	1.03E-08	1.81E-10	1.24E-08	1.77E-09	5.39E-09	5.47E-11	7.22E-09
6508	469234.29	3820339.47	2.04E-08	7.91E-08	1.05E-09	1.01E-07	1.70E-08	5.82E-08	7.53E-10	7.59E-08	1.93E-09	1.02E-08	1.79E-10	1.23E-08	1.75E-09	5.33E-09	5.41E-11	7.14E-09
6509	469225.41	3820335.63	2.02E-08	7.82E-08	1.04E-09	9.94E-08	1.68E-08	5.75E-08	7.44E-10	7.50E-08	1.90E-09	1.01E-08	1.77E-10	1.22E-08	1.73E-09	5.27E-09	5.35E-11	7.06E-09
6510	469216.52	3820331.79	1.99E-08	7.73E-08	1.02E-09	9.83E-08	1.66E-08	5.68E-08	7.35E-10	7.41E-08	1.88E-09	9.95E-09	1.75E-10	1.20E-08	1.71E-09	5.21E-09	5.28E-11	6.97E-09
6511	469207.64	3820327.95	1.97E-08	7.64E-08	1.01E-09	9.71E-08	1.64E-08	5.61E-08	7.26E-10	7.33E-08	1.86E-09	9.83E-09	1.73E-10	1.19E-08	1.69E-09	5.15E-09	5.22E-11	6.89E-09
6512	469195.22	3820315.1	1.94E-08	7.52E-08	9.96E-10	9.56E-08	1.61E-08	5.53E-08	7.15E-10	7.21E-08	1.83E-09	9.68E-09	1.70E-10	1.17E-08	1.66E-09	5.07E-09	5.14E-11	6.78E-09
6513	469191.68	3820306.09	1.93E-08	7.49E-08	9.92E-10	9.52E-08	1.61E-08	5.50E-08	7.12E-10	7.18E-08	1.82E-09	9.64E-09	1.69E-10	1.16E-08	1.66E-09	5.05E-09	5.12E-11	6.76E-09
6514	469188.14	3820297.08	1.92E-08	7.46E-08	9.88E-10	9.48E-08	1.60E-08	5.48E-08	7.09E-10	7.15E-08	1.82E-09	9.60E-09	1.69E-10	1.16E-08	1.65E-09	5.03E-09	5.10E-11	6.73E-09
6515	469184.6	3820288.07	1.91E-08	7.43E-08	9.84E-10	9.44E-08	1.59E-08	5.46E-08	7.06E-10	7.12E-08	1.81E-09	9.56E-09	1.68E-10	1.15E-08	1.64E-09	5.01E-09	5.08E-11	6.70E-09
6516	469181.06	3820279.06	1.91E-08	7.39E-08	9.79E-10	9.39E-08	1.59E-08	5.43E-08	7.03E-10	7.09E-08	1.80E-09	9.51E-09	1.67E-10	1.15E-08	1.64E-09	4.98E-09	5.05E-11	6.67E-09
6517	469177.53	3820270.05	1.90E-08	7.35E-08	9.74E-10	9.34E-08	1.58E-08	5.40E-08	6.99E-10	7.05E-08	1.79E-09	9.46E-09	1.66E-10	1.14E-08	1.63E-09	4.96E-09	5.02E-11	6.63E-09
6518	469173.99	3820261.04	1.88E-08	7.31E-08	9.68E-10	9.29E-08	1.57E-08	5.37E-08	6.95E-10	7.01E-08	1.78E-09	9.41E-09	1.65E-10	1.14E-08	1.62E-09	4.93E-09	5.00E-11	6.59E-09
6519	469170.45	3820252.03	1.87E-08	7.27E-08	9.63E-10	9.23E-08	1.56E-08	5.34E-08	6.91E-10	6.97E-08	1.77E-09	9.35E-09	1.64E-10	1.13E-08	1.61E-09	4.90E-09	4.97E-11	6.55E-09
6520	469166.91	3820243.02	1.86E-08	7.22E-08	9.56E-10	9.17E-08	1.55E-08	5.30E-08	6.86E-10	6.92E-08	1.76E-09	9.29E-09	1.63E-10	1.12E-08	1.60E-09	4.86E-09	4.93E-11	6.51E-09
6521	469163.37	3820234.01	1.85E-08	7.17E-08	9.50E-10	9.11E-08	1.54E-08	5.27E-08	6.82E-10	6.87E-08	1.75E-09	9.23E-09	1.62E-10	1.11E-08	1.59E-09	4.83E-09	4.90E-11	6.47E-09
6522	469159.84	3820225	1.83E-08	7.12E-08	9.43E-10	9.04E-08	1.53E-08	5.23E-08	6.77E-10	6.82E-08	1.73E-09	9.16E-09	1.61E-10	1.11E-08	1.58E-09	4.80E-09	4.86E-11	6.42E-09
6523	469156.3	3820216	1.82E-08	7.06E-08	9.35E-10	8.98E-08	1.52E-08	5.19E-08	6.71E-10	6.77E-08	1.72E-09	9.09E-09	1.60E-10	1.10E-08	1.56E-09	4.76E-09	4.83E-11	6.37E-09
6524	469152.76	3820206.99	1.81E-08	7.00E-08	9.28E-10	8.90E-08	1.50E-08	5.15E-08	6.66E-10	6.72E-08	1.71E-09	9.02E-09	1.58E-10	1.09E-08	1.55E-09	4.72E-09	4.79E-11	6.32E-

6525	469149.22	3820197.98	1.79E-08	6.95E-08	9.20E-10	8.83E-08	1.49E-08	5.10E-08	6.60E-10	6.66E-08	1.69E-09	8.94E-09	1.57E-10	1.08E-08	1.54E-09	4.68E-09	4.75E-11	6.27E-09
6526	469145.68	3820188.97	1.77E-08	6.88E-08	9.12E-10	8.75E-08	1.48E-08	5.06E-08	6.55E-10	6.60E-08	1.68E-09	8.86E-09	1.56E-10	1.07E-08	1.52E-09	4.64E-09	4.70E-11	6.21E-09
6527	469142.15	3820179.96	1.76E-08	6.82E-08	9.03E-10	8.67E-08	1.46E-08	5.01E-08	6.48E-10	6.54E-08	1.66E-09	8.78E-09	1.54E-10	1.06E-08	1.51E-09	4.60E-09	4.66E-11	6.15E-09
6528	469138.61	3820170.95	1.74E-08	6.75E-08	8.95E-10	8.58E-08	1.45E-08	4.96E-08	6.42E-10	6.48E-08	1.64E-09	8.69E-09	1.53E-10	1.05E-08	1.49E-09	4.55E-09	4.62E-11	6.09E-09
6529	469135.07	3820161.94	1.72E-08	6.68E-08	8.85E-10	8.49E-08	1.44E-08	4.91E-08	6.35E-10	6.41E-08	1.63E-09	8.60E-09	1.51E-10	1.04E-08	1.48E-09	4.50E-09	4.57E-11	6.03E-09
6530	469131.53	3820152.93	1.70E-08	6.61E-08	8.76E-10	8.40E-08	1.42E-08	4.86E-08	6.29E-10	6.34E-08	1.61E-09	8.51E-09	1.49E-10	1.03E-08	1.46E-09	4.46E-09	4.52E-11	5.96E-09
6531	469127.99	3820143.92	1.69E-08	6.54E-08	8.66E-10	8.31E-08	1.40E-08	4.80E-08	6.22E-10	6.27E-08	1.59E-09	8.42E-09	1.48E-10	1.02E-08	1.45E-09	4.41E-09	4.47E-11	5.90E-09
6532	469124.46	3820134.91	1.67E-08	6.46E-08	8.56E-10	8.21E-08	1.39E-08	4.75E-08	6.14E-10	6.20E-08	1.57E-09	8.32E-09	1.46E-10	1.00E-08	1.43E-09	4.36E-09	4.42E-11	5.83E-09
6533	469120.92	3820125.9	1.65E-08	6.38E-08	8.46E-10	8.11E-08	1.37E-08	4.69E-08	6.07E-10	6.12E-08	1.55E-09	8.22E-09	1.44E-10	9.92E-09	1.41E-09	4.30E-09	4.36E-11	5.76E-09
6534	469117.38	3820116.89	1.63E-08	6.31E-08	8.35E-10	8.01E-08	1.35E-08	4.63E-08	6.00E-10	6.05E-08	1.54E-09	8.12E-09	1.42E-10	9.79E-09	1.40E-09	4.25E-09	4.31E-11	5.69E-09
6535	469113.84	3820107.88	1.60E-08	6.22E-08	8.24E-10	7.91E-08	1.34E-08	4.57E-08	5.92E-10	5.97E-08	1.52E-09	8.01E-09	1.41E-10	9.67E-09	1.38E-09	4.19E-09	4.25E-11	5.61E-09
6536	469110.3	3820098.87	1.58E-08	6.14E-08	8.13E-10	7.80E-08	1.32E-08	4.51E-08	5.84E-10	5.89E-08	1.49E-09	7.90E-09	1.39E-10	9.54E-09	1.36E-09	4.14E-09	4.20E-11	5.54E-09
6537	469106.77	3820089.87	1.56E-08	6.06E-08	8.02E-10	7.70E-08	1.30E-08	4.45E-08	5.76E-10	5.81E-08	1.47E-09	7.80E-09	1.37E-10	9.41E-09	1.34E-09	4.08E-09	4.14E-11	5.46E-09
6538	469103.23	3820080.86	1.54E-08	5.97E-08	7.91E-10	7.59E-08	1.28E-08	4.39E-08	5.68E-10	5.73E-08	1.45E-09	7.69E-09	1.35E-10	9.27E-09	1.32E-09	4.02E-09	4.08E-11	5.39E-09
6539	469099.69	3820071.85	1.52E-08	5.88E-08	7.79E-10	7.48E-08	1.26E-08	4.32E-08	5.59E-10	5.64E-08	1.43E-09	7.57E-09	1.33E-10	9.14E-09	1.30E-09	3.97E-09	4.02E-11	5.31E-09
6540	469096.15	3820062.84	1.49E-08	5.79E-08	7.68E-10	7.37E-08	1.24E-08	4.26E-08	5.51E-10	5.56E-08	1.41E-09	7.46E-09	1.31E-10	9.00E-09	1.28E-09	3.91E-09	3.96E-11	5.23E-09
6541	469074.92	3820008.78	1.35E-08	5.24E-08	6.94E-10	6.66E-08	1.13E-08	3.85E-08	4.98E-10	5.02E-08	1.28E-09	6.74E-09	1.18E-10	8.14E-09	1.16E-09	3.53E-09	3.58E-11	4.73E-09
6542	469071.39	3819999.77	1.33E-08	5.14E-08	6.81E-10	6.54E-08	1.10E-08	3.78E-08	4.89E-10	4.93E-08	1.25E-09	6.62E-09	1.16E-10	7.99E-09	1.14E-09	3.47E-09	3.52E-11	4.64E-09
6543	469067.85	3819990.76	1.30E-08	5.05E-08	6.69E-10	6.42E-08	1.08E-08	3.71E-08	4.80E-10	4.84E-08	1.23E-09	6.50E-09	1.14E-10	7.84E-09	1.12E-09	3.40E-09	3.45E-11	4.55E-09
6544	469064.31	3819981.75	1.28E-08	4.95E-08	6.55E-10	6.29E-08	1.06E-08	3.64E-08	4.70E-10	4.74E-08	1.20E-09	6.37E-09	1.12E-10	7.68E-09	1.09E-09	3.33E-09	3.38E-11	4.46E-09
6545	469060.77	3819972.74	1.25E-08	4.85E-08	6.42E-10	6.16E-08	1.04E-08	3.56E-08	4.61E-10	4.65E-08	1.18E-09	6.24E-09	1.10E-10	7.53E-09	1.07E-09	3.27E-09	3.31E-11	4.37E-09
6546	469057.23	3819963.73	1.23E-08	4.75E-08	6.29E-10	6.04E-08	1.02E-08	3.49E-08	4.52E-10	4.56E-08	1.16E-09	6.12E-09	1.07E-10	7.38E-09	1.05E-09	3.20E-09	3.25E-11	4.29E-09
6547	469053.7	3819954.73	1.20E-08	4.65E-08	6.17E-10	5.92E-08	9.99E-09	3.42E-08	4.43E-10	4.46E-08	1.13E-09	5.99E-09	1.05E-10	7.23E-09	1.03E-09	3.14E-09	3.18E-11	4.20E-09
6548	469050.16	3819945.72	1.18E-08	4.56E-08	6.04E-10	5.79E-08	9.79E-09	3.35E-08	4.33E-10	4.37E-08	1.11E-09	5.87E-09	1.03E-10	7.08E-09	1.01E-09	3.07E-09	3.12E-11	4.11E-09
6549	469046.62	3819936.71	1.15E-08	4.46E-08	5.91E-10	5.67E-08	9.58E-09	3.28E-08	4.24E-10	4.28E-08	1.09E-09	5.74E-09	1.01E-10	6.93E-09	9.87E-10	3.01E-09	3.05E-11	4.02E-09
6550	469043.08	3819927.7	1.13E-08	4.36E-08	5.78E-10	5.55E-08	9.37E-09	3.21E-08	4.15E-10	4.19E-08	1.06E-09	5.62E-09	9.86E-11	6.78E-09	9.66E-10	2.94E-09	2.98E-11	3.94E-09
6551	469039.54	3819918.69	1.10E-08	4.27E-08	5.65E-10	5.42E-08	9.16E-09	3.14E-08	4.06E-10	4.09E-08	1.04E-09	5.49E-09	9.64E-11	6.63E-09	9.45E-10	2.88E-09	2.92E-11	3.85E-09
6552	469036.01	3819909.68	1.08E-08	4.17E-08	5.52E-10	5.30E-08	8.96E-09	3.06E-08	3.97E-10	4.00E-08	1.02E-09	5.37E-09	9.42E-11	6.48E-09	9.23E-10	2.81E-09	2.85E-11	3.76E-09
6553	469032.47	3819900.67	1.05E-08	4.07E-08	5.39E-10	5.17E-08	8.74E-09	2.99E-08	3.87E-10	3.90E-08	9.91E-10	5.24E-09	9.20E-11	6.32E-09	9.01E-10	2.74E-09	2.78E-11	3.67E-09
6554	469028.93	3819891.66	1.02E-08	3.97E-08	5.26E-10	5.05E-08	8.53E-09	2.92E-08	3.78E-10	3.81E-08	9.68E-10	5.12E-09	8.98E-11	6.17E-09	8.80E-10	2.68E-09	2.72E-11	3.59E-09
6555	469025.39	3819882.65	1.00E-08	3.88E-08	5.14E-10	4.93E-08	8.33E-09	2.85E-08	3.69E-10	3.72E-08	9.44E-10	4.99E-09	8.76E-11	6.02E-09	8.58E-10	2.61E-09	2.65E-11	3.50E-09
6556	469021.85	3819873.64	9.76E-09	3.79E-08	5.01E-10	4.81E-08	8.13E-09	2.78E-08	3.60E-10	3.63E-08	9.22E-10	4.87E-09	8.55E-11	5.88E-09	8.38E-10	2.55E-09	2.59E-11	3.41E-09
6557	469018.32	3819864.63	9.53E-09	3.69E-08	4.89E-10	4.70E-08	7.93E-09	2.71E-08	3.51E-10	3.54E-08	9.00E-10	4.76E-09	8.35E-11	5.74E-09	8.18E-10	2.49E-09	2.53E-11	3.33E-09
6558	469014.78	3819855.62	9.29E-09	3.60E-08	4.77E-10	4.58E-08	7.74E-09	2.65E-08	3.43E-10	3.46E-08	8.77E-10	4.64E-09	8.14E-11	5.60E-09	7.98E-10	2.43E-09	2.46E-11	3.25E-09
6559	469011.24	3819846.61	9.06E-09	3.51E-08	4.66E-10	4.47E-08	7.55E-09	2.58E-08	3.34E-10	3.37E-08	8.56E-10	4.52E-09	7.94E-11	5.46E-09	7.78E-10	2.37E-09	2.40E-11	3.17E-09
6560	469007.7	3819837.6	8.83E-09	3.43E-08	4.54E-10	4.35E-08	7.36E-09	2.52E-08	3.26E-10	3.29E-08	8.34E-10	4.41E-09	7.74E-11	5.32E-09	7.58E-10	2.31E-09	2.34E-11	3.09E-09
6561	469004.16	3819828.6	8.61E-09	3.34E-08	4.42E-10	4.24E-08	7.17E-09	2.45E-08	3.18E-10	3.20E-08	8.13E-10	4.30E-09	7.55E-11	5.19E-09	7.39E-10	2.25E-09	2.28E-11	3.01E-09
6562	469000.63	3819819.59	8.39E-09	3.25E-08	4.31E-10	4.14E-08	6.99E-09	2.39E-08	3.09E-10	3.12E-08	7.92E-10	4.19E-09	7.35E-11	5.05E-09	7.20E-10	2.19E-09	2.22E-11	2.94E-09
6563	468997.09	3819810.58	8.17E-09	3.17E-08	4.20E-10	4.03E-08	6.81E-09	2.33E-08	3.01E-10	3.04E-08	7.72E-10	4.08E-09	7.16E-11	4.92E-09	7.01E-10	2.14E-09	2.17E-11	2.86E-09
6564	468993.55	3819801.57	7.96E-09	3.09E-08	4.09E-10	3.92E-08	6.63E-09	2.27E-08	2.93E-10	2.96E-08	7.51E-10	3.97E-09	6.97E-11	4.79E-09	6.83E-10	2.08E-09	2.11E-11	2.78E-09
6565	468990.01	3819792.56	7.74E-09	3.00E-08	3.98E-10	3.82E-08	6.45E-09	2.21E-08	2.86E-10	2.88E-08	7.31E-10	3.86E-09	6.78E-11	4.66E-09	6.65E-10	2.02E-09	2.05E-11	2.71E-09
6566	468986.47	3819783.55	7.53E-09	2.92E-08	3.87E-10	3.71E-08	6.28E-09	2.15E-08	2.78E-10	2.80E-08	7.11E-10	3.76E-09	6.60E-11	4.54E-09	6.47E-10	1.97E-09	2.00E-11	2.64E-09
6567	468982.94	3819774.54	7.33E-09	2.84E-08	3.77E-10	3.61E-08	6.11E-09	2.09E-08	2.70E-10	2.73E-08	6.92E-10	3.66E-09	6.42E-11	4.42E-09	6.29E-10	1.92E-09	1.94E-11	2.56E-09
6568	468979.4	3819765.53	7.13E-09	2.77E-08	3.67E-10	3.52E-08	5.94E-09	2.03E-08	2.63E-10	2.65E-08	6.74E-10	3.56E-09	6.25E-11	4.30E-09	6.12E-10	1.86E-09	1.89E-11	2.50E-09
6569	468975.86	3819756.52	6.94E-09	2.69E-08	3.57E-10	3.42E-08	5.78E-09	1.98E-08	2.56E-10	2.58E-08	6.55E-10	3.47E-09	6.08E-11	4.18E-09	5.96E-10	1.81E-09	1.84E-11	2.43E-09
6570	468972.32	3819747.51	6.76E-09	2.62E-08	3.47E-10	3.33E-08	5.63E-09	1.93E-08	2.49E-10	2.51E-08	6.38E-10	3.37E-09	5.92E-11	4.07E-09	5.80E-10	1.77E-09	1.79E-11	2.36E-09
6571	468968.78	3819738.5	6.57E-09	2.55E-08	3.38E-10	3.24E-08	5.48E-09	1.87E-08	2.42E-10	2.45E-08	6.21E-10	3.28E-09	5.76E-11	3.96E-09	5.64E-10	1.72E-09	1.74E-11	2.30E-09
6572	468965.25	3819729.49	6.40E-09	2.48E-08	3.29E-10	3.15E-08	5.33E-09	1.82E-08	2.36E-10	2.38E-08	6.04E-10	3.20E-09	5.61E-11	3.86E-09	5.49E-10	1.67E-09	1.70E-11	2.24E-09
6573	468961.71	3819720.48	6.23E-09	2.42E-08	3.20E-10	3.07E-08	5.19E-09	1.78E-08	2.30E-10	2.32E-08	5.88E-10	3.11E-09	5.46E-11	3.75E-09	5.35E-10	1.63E-09	1.65E-11	2.18E-09
6574	468958.17	3819711.47	6.06E-09	2.35E-08	3.11E-10	2.99E-08	5.05E-09	1.73E-08	2.24E-10	2.25E-08	5.72E-10	3.03E-09	5.31E-11	3.65E-09	5.20E-10	1.58E-09	1.61E-11	2.12E-09
6575	468954.63	3819702.47	5.90E-09	2.29E-08	3.03E-10	2.91E-08	4.92E-09	1.68E-08	2.18E-10	2.20E-08	5.57E-10	2.95E-09	5.17E-11	3.56E-09	5.07E-10	1.54E-09	1.56E-11	2.06E-09
6576	468951.09	3819693.46	5.74E-09	2.23E-08	2.95E-10	2.83E-08	4.78E-09	1.64E-08	2.12E-10	2.14E-08	5.42E-10	2.87E-09	5.03E-11	3.46E-09	4.93E-10	1.50E-09	1.52E-11	2.01E-09
6577	468947.56	3819684.45	5.59E-09	2.17E-08	2.87E-10	2.75E-08	4.65E-09	1.59E-08	2.06E-10	2.08E-08	5.27E-10	2.79E-09	4.89E-11	3.36E-09	4.79E-10	1.46E-09	1.48E-11	1.95E-09
6578	468944.02	3819675.44	5.43E-09	2.11E-08	2.79E-10	2.68E-08	4.52E-09	1.55E-08	2.00E-10	2.02E-08	5.13E-10	2.71E-09	4.76E-11	3.27E-09	4.66E-10	1.42E-09	1.44E-11	1.90E-09
6579	468940.48	3819666.43	5.29E-09	2.05E-08	2.72E-10	2.61E-08	4.41E-09	1.51E-08	1.95E-10	1.97E-08	5.00E-10	2.64E-09	4.64E-11	3.19E-09	4.54E-10	1.38E-09	1.40E-11	1.85E-09
6580	468936.94	3819657.42	5.15E-09	2.00E-08	2.65E-10	2.54E-08	4.29E-09	1.47E-08	1.90E-10	1.92E-08	4.87E-10	2.57E-09	4.52E-11	3.10E-09	4.42E-10	1.35E-09	1.37E-11	1.80E-09
6581	468933.4	3819648.41	5.02E-09	1.95E-08	2.58E-10	2.48E-08	4.18E-09	1.43E-08	1.85E-10	1.87E-08	4.74E-10	2.51E-09	4.40E-11	3.03E-09	4.31E-10	1.31E-09	1.33E-11	1.76E-09
6582	468929.87	3819639.4	4.89E-09	1.90E-08	2.51E-10	2.41E-08	4.08E-09	1.39E-08	1.80E-10	1.82E-08	4.62E-10	2.44E-09	4.29E-11	2.95E-09	4.20E-10	1.28E-09	1.30E-11	1.71E-09
6583	468926.33	3819630.39	4.77E-09	1.85E-08	2.45E-10	2.35E-08	3.97E-09	1.36E-08	1.76E-10	1.77E-08	4.50E-10	2.38E-09	4.18E-11	2.87E-09	4.10E-10	1.25E-09	1.26E-11	1.67E-09
6584	468922.79	3819621.38	4.65E-09	1.81E-08	2.39E-10	2.29E-08	3.88E-09	1.33E-08	1.72E-10	1.73E-08	4.39E-10	2.32E-09	4.08E-11	2.80E-09	4.00E-10	1.22E-09	1.23E-11	1.63E-09
6585	468919.25	3819612.37	4.54E-09	1.76E-08	2.33E-10	2.24E-08	3.78E-09	1.29E-08	1.67E-10	1.69E-08	4.29E-10	2.27E-09	3.98E-11	2.73E-09	3.90E-10	1.19E-09	1.20E-11	1.59E-09
6586	468915.71	3819603.36	4.43E-09	1.72E-08	2.27E-10	2.18E-08	3.69E-09	1.26E-08	1.63E-10	1.65E-08	4.18E-10	2.21E-09	3.88E-11	2.67E-09	3.80E-10	1.16E-09	1.17E-11	1.55E-09
6587	468912.17	3819594.35	4.32E-09	1.67E-08	2.22E-10	2.13E-08	3.59E-09	1.23E-08	1.59E-10	1.61E-08	4.08E-10	2.15E-09	3.78E-11	2.60E-09	3.71E-10	1.13E-09	1.14E-11	1.51E-09
6588	468908.64	3819585.34	4.21E-09	1.63E-08	2.16E-10	2.08E-08	3.51E-09	1.20E-08	1.55E-10	1.57E-08	3.98E-10	2.10E-09	3.69E-11	2.54E-09	3.61E-10	1.10E-09	1.12E-11	1.47E-09
6589	468905.1	3819576.33	4.12E-09	1.60E-08	2.11E-10	2.03E-08	3.43E-09	1.17E-08	1.52E-10	1.53E-08	3.89E-10	2.06E-09	3.61E-11	2.48E-09	3.53E-10	1.08E-09	1.09E-11	1.44E-09
6590	468901.56	3819567.33	4.02E-09	1.56E-08	2.07E-10	1.98E-08	3.35E-09	1.15E-08	1.48E-10	1.50E-08	3.80E-10	2.01E-09	3.52E-11	2.42E-09	3.45E-10	1.05E-09	1.07E-11	1.41E-09
6591	468898.02	3819558.32	3.93E-09	1.53E-08	2.02E-10	1.94E-08	3.28E-09	1.12E-08	1.45E-10	1.46E-08	3.72E-10	1.96E-09	3.45E-11	2.37E-09	3.38E-10	1.03E-09	1.04E-11	1.38E-09
6592	468894.48	3819549.31	3.85E-09	1.49E-08	1.98E-10	1.90E-08	3.21E-09	1.10E-08	1.42E-10	1.43E-08	3.64E-10	1.92E-09	3.37E-11	2.32E-09	3.31E-10	1.01E-09	1.02E-11	1.35E-09
6593	468890.95	3819540.3	3.77E-09	1.46E-08	1.94E-10	1.86E-08	3.14E-09	1.07E-08	1.39E-10	1.40E-08	3.56E-10	1.88E-09	3.30E-11	2.27E-09	3.23E-10	9.85E-10	9.99E-12	1.32E-09
6594	468887.41	3819531.29	3.69E-09	1.43E-08	1.90E-10	1.82E-08	3.07E-09	1.05E-08	1.36E-10	1.37E-08	3.49E-10	1.84E-09	3.23E-11	2.22E-09	3.17E-10	9.65E-10	9.78E-12	1.29E-09
6595	468883.87	3819522.28	3.39E-09	1.31E-08	1.74E-10	1.67E-08	2.82E-09	9.65E-09	1.25E-10	1.26E-08	3.20E-10	1.69E-09	2.97E-11	2.04E-09	2.91E-10	8.85E-10	8.97E-12	1.18E-09
6596	468880.33	3819513.27	3.32E-09	1.29E-08	1.70E-10	1.63E-08	2.76E-09	9.45E-09	1.22E-10	1.23E-08	3.13E-10	1.66E-09	2.91E-11	2.00E-09	2.85E-10	8.67E-10	8.79E-12	1.16E-09
6597	468876.79	3819504.26	3.26E-09	1.26E-08	1.67E-10	1.61E-08	2.71E-09	9.28E-09	1.20E-10	1.21E-08	3.08E-10	1.63E-09	2.85E-11	1.96E-09	2.80E-10	8.52E-10	8.64E-12	1.14E-09
6598	468873.26	3819495.25	3.20E-09	1.24E-08	1.65E-10	1.58E-08	2.67E-09	9.13E-09	1.18E-10	1.19E-08	3.03E-10	1.60E-09	2.81E-11	1.93E-09	2.75E-10	8.37E-10	8.49E-12	1.12E-09
6599	468869.72	3819486.24	3.16E-09	1.23E-08	1.63E-10	1.56E-08	2.63E-09	9.02E-09	1.17E-10	1.18E-08	2.99E-10	1.58E-09	2.77E-11	1.91E-09	2.72E-10	8.27E-10	8.39E-12	1.11E-09
6600	468866.18	3819477.23	3.12E-09	1.21E-08	1.60E-10	1.54E-08	2.60E-09	8.90E-09	1.15E-10	1.16E-08	2.95E-10	1.56E-09	2.74E-11	1.88E-09	2.68E-10	8.17E-10	8.28E-12	1.09E-09
6601	468862.64	3819468.22	3.09E-09	1.20E-08	1.59E-10	1.52E-08	2.57E-09	8.80E-09	1.14E-10	1.15E-08	2.92E-10	1.54E-09	2.71E-11	1.86E-09	2.65E-10	8.07E-10	8.18E-12	1.08E-09
6602	468859.1	3819459.21	3.05E-09	1.18E-08	1.57E-10	1.51E-08	2.54E-09	8.70E-09	1.13E-10	1.14E-08	2.88E-10	1.52E-09	2.68E-11	1.84E-09	2.62E-10	7.98E-10	8.10E-12	1.07E-09
6603	468855.57	3819450.2	3.02E-09	1.17E-08	1.55E-10	1.49E-08	2.51E-09	8.60E-09	1.11E-10	1.12E-08	2.85E-10	1.51E-09	2.64E-11	1.82E-09	2.59E-10	7.89E-10	8.00E-12	1.06E-09
6604	468852.03	3819441.2	2.99E-09	1.16E-08	1.53E-10	1.47E-08	2.49E-09	8.51E-09	1.10E-10	1.11E-08	2.82E-10	1.49E-09	2.62E-11	1.80E-09	2.56E-10	7.80E-10	7.91E-12	1.04E-09
6605	468848.49	3819432.19	2.95E-09	1.14E-08	1.52E-10	1.45E-08	2.46E-09	8.40E-09	1.09E-10	1.10E-08	2.78E-10	1.47E-09	2.58E-11	1.78E-09	2.53E-10	7.71E-10	7.82E-12	1.03E-09
6606	470087.16	3820708.28	3.21E-08	1.24E-07	1.65E-09	1.58E-07	2.67E-08	9.14E-08	1.18E-09	1.19E-07	3.03E-09	1.60E-08	2.81E-10	1.93E-08	2.75E-09	8.39E-09	8.50E-11	1.12E-08
6607	470096.86	3820708.41	3.19E-08	1.24E-07	1.64E-09	1.57E-07	2.66E-08	9.09E-08	1.18E-09	1.19E-07	3.01E-09	1.59E-08	2.79E-10	1.92E-08	2.74E-09	8.34E-09	8.45E-11	1.12E-08
6608	470106.56	3820708.55	3.17E-08	1.23E-07	1.63E-09	1.56E-07	2.64E-08	9.03E-08	1.17E-09	1.18E-07	2.99E-09	1.58E-08	2.78E-10	1.91E-08	2.72E-09	8.28E-09	8.40E-11	1.11E-08
6609	470116.25	3820708.68	3.15E-08	1.22E-07	1.62E-09	1.55E-07	2.62E-08	8.97E-08	1.16E-09	1.17E-07	2.97E-09	1.57E-08	2.76E-10	1.90E-08	2.70E-09	8.23E-09	8.34E-11	1.10E-08
6610	470125.95	3820708.82	3.12E-08	1.21E-07	1.61E-09	1.54E-07	2.60E-08	8.91E-08	1.15E-09	1.16E-07	2.95E-09	1.56E-08	2.74E-10	1.88E-08	2.68E-09	8.17E-09	8.28E-11	1.09E-08
6611	470135.65	3820708.95	3.10E-08	1.20E-07	1.59E-09	1.53E-07	2.58E-08	8.84E-08	1.14E-09	1.15E-07	2.93E-09	1.55E-08	2.72E-10	1.87E-08	2.66E-09	8.11E-09	8.22E-11	1.09E-08
6612	470145.34	3820709.09	3.08E-08	1.19E-07	1.58E-09	1.52E-07	2.56E-08	8.77E-08	1.14E-09	1.14E-07	2.91E-09	1.54E-08	2.70E-10	1.85E-08	2.64E-09	8.05E-09	8.16E-11	1.08E-08
6613	470155.04	3820709.22	3.05E-08	1.18E-07	1.57E-09	1.50E-07	2.54E-08	8.70E-08	1.13E-09	1.14E-07	2.88E-09	1.52E-08	2.67E-10	1.84E-08	2.62E-09	7.98E-09	8.09E-11	1.07E-08
6614	470164.74	3820709.36	3.03E-08	1.17E-07	1.56E-09	1.49E-07	2.52E-08	8.63E-08	1.12E-09	1.13E-07	2.86E-09	1.51E-08	2.65E-10	1.82E-08	2.60E-09	7.91E-09	8.03E-11	1.06E-08
6615	470174.44	3820709.49	3.00E-08	1.16E-07	1.54E-09	1.48E-07	2.50E-08	8.56E-08	1.11E-09	1.12E-07	2.83E-09	1.50E-08	2.63E-10	1.81E-08	2.58E-09	7.85E-09	7.96E-11	1.05E-08
6616	470184.13	3820709.63	2.98E-08	1.15E-07	1.53E-09	1.47E-07	2.48E-08	8.48E-08	1.10E-09	1.11E-07	2.81E-09	1.49E-08	2.61E-10	1.79E-08	2.55E-09	7.78E-09	7.89E-11	1.04E-08
6617	470193.83	3820709.76	2.95E-08	1.14E-07	1.52E-09	1.45E-07	2.46E-08	8.41E-08	1.09E-09	1.10E-07	2.79E-09	1.47E-08	2.59E-10	1.78E-08	2.53E-09	7.71E-09	7.82E-11	1.03E-08
6618	470203.53	3820709.9	2.92E-08	1.13E-07	1.50E-09	1.44E-07	2.44E-08	8.33E-08	1.08E-09	1.09E-07	2.76E-09	1.46E-08	2.56E-10	1.76E-08	2.51E-09	7.64E-09	7.75E-11	1.02E-08
6619	470213.22	3820710.03	2.90E-08	1.12E-07	1.49E-09	1.43E-07	2.41E-08	8.26E-08	1.07E-09	1.08E-07	2.74E-09	1.45E-08	2.54E-10	1.75E-08	2.49E-09	7.57E-09	7.68E-11	1.01E-08
6620	470222.92	3820710.17	2.87E-08	1.11E-07	1.48E-09	1.42E-07	2.39E-08	8.18E-08	1.06E-09	1.07E-07	2.71E-09	1.43E-08	2.52E-10	1.73E-08	2.47E-09	7.51E-09	7.61E-11

6621	470232.62	3820710.3	2.85E-08	1.10E-07	1.46E-09	1.40E-07	2.37E-08	8.11E-08	1.05E-09	1.06E-07	2.69E-09	1.42E-08	2.49E-10	1.71E-08	2.44E-09	7.44E-09	7.54E-11	9.96E-09
6622	470242.32	3820710.44	2.82E-08	1.09E-07	1.45E-09	1.39E-07	2.35E-08	8.03E-08	1.04E-09	1.05E-07	2.66E-09	1.41E-08	2.47E-10	1.70E-08	2.42E-09	7.37E-09	7.47E-11	9.86E-09
6623	470252.01	3820710.57	2.79E-08	1.08E-07	1.44E-09	1.38E-07	2.33E-08	7.96E-08	1.03E-09	1.04E-07	2.64E-09	1.39E-08	2.45E-10	1.68E-08	2.40E-09	7.30E-09	7.40E-11	9.77E-09
6624	470261.71	3820710.71	2.77E-08	1.07E-07	1.42E-09	1.36E-07	2.31E-08	7.89E-08	1.02E-09	1.03E-07	2.61E-09	1.38E-08	2.43E-10	1.67E-08	2.38E-09	7.24E-09	7.34E-11	9.68E-09
6625	470077.22	3820784.45	2.93E-08	1.14E-07	1.51E-09	1.45E-07	2.44E-08	8.36E-08	1.08E-09	1.09E-07	2.77E-09	1.46E-08	2.57E-10	1.77E-08	2.52E-09	7.67E-09	7.78E-11	1.03E-08
6626	470068.39	3820780.63	2.96E-08	1.15E-07	1.52E-09	1.46E-07	2.47E-08	8.44E-08	1.09E-09	1.10E-07	2.80E-09	1.48E-08	2.59E-10	1.78E-08	2.54E-09	7.74E-09	7.85E-11	1.04E-08
6627	470059.56	3820776.82	2.99E-08	1.16E-07	1.54E-09	1.47E-07	2.49E-08	8.52E-08	1.10E-09	1.11E-07	2.82E-09	1.49E-08	2.62E-10	1.80E-08	2.57E-09	7.81E-09	7.92E-11	1.05E-08
6628	470050.73	3820773	3.01E-08	1.17E-07	1.55E-09	1.49E-07	2.51E-08	8.59E-08	1.11E-09	1.12E-07	2.85E-09	1.51E-08	2.64E-10	1.82E-08	2.59E-09	7.88E-09	7.99E-11	1.05E-08
6629	470041.9	3820769.18	3.04E-08	1.18E-07	1.56E-09	1.50E-07	2.53E-08	8.66E-08	1.12E-09	1.13E-07	2.87E-09	1.52E-08	2.66E-10	1.83E-08	2.61E-09	7.95E-09	8.06E-11	1.06E-08
6630	470033.07	3820765.36	3.07E-08	1.19E-07	1.58E-09	1.51E-07	2.55E-08	8.74E-08	1.13E-09	1.14E-07	2.89E-09	1.53E-08	2.69E-10	1.85E-08	2.63E-09	8.01E-09	8.13E-11	1.07E-08
6631	470024.24	3820761.54	3.09E-08	1.20E-07	1.59E-09	1.52E-07	2.57E-08	8.81E-08	1.14E-09	1.15E-07	2.92E-09	1.54E-08	2.71E-10	1.86E-08	2.65E-09	8.08E-09	8.19E-11	1.08E-08
6632	470015.41	3820757.72	3.11E-08	1.21E-07	1.60E-09	1.53E-07	2.59E-08	8.87E-08	1.15E-09	1.16E-07	2.94E-09	1.55E-08	2.73E-10	1.87E-08	2.67E-09	8.14E-09	8.25E-11	1.09E-08
6633	470006.58	3820753.91	3.13E-08	1.22E-07	1.61E-09	1.54E-07	2.61E-08	8.93E-08	1.16E-09	1.17E-07	2.96E-09	1.56E-08	2.75E-10	1.89E-08	2.69E-09	8.19E-09	8.31E-11	1.10E-08
6634	469997.75	3820750.09	3.15E-08	1.22E-07	1.62E-09	1.55E-07	2.63E-08	8.98E-08	1.16E-09	1.17E-07	2.98E-09	1.57E-08	2.76E-10	1.90E-08	2.71E-09	8.24E-09	8.36E-11	1.10E-08
6635	469988.92	3820746.27	3.17E-08	1.23E-07	1.63E-09	1.56E-07	2.64E-08	9.03E-08	1.17E-09	1.18E-07	2.99E-09	1.58E-08	2.78E-10	1.91E-08	2.72E-09	8.29E-09	8.40E-11	1.11E-08
6636	469980.09	3820742.45	3.19E-08	1.24E-07	1.64E-09	1.57E-07	2.65E-08	9.08E-08	1.18E-09	1.19E-07	3.01E-09	1.59E-08	2.79E-10	1.92E-08	2.74E-09	8.33E-09	8.45E-11	1.11E-08
6637	469971.26	3820738.63	3.20E-08	1.24E-07	1.65E-09	1.58E-07	2.67E-08	9.12E-08	1.18E-09	1.19E-07	3.02E-09	1.60E-08	2.81E-10	1.93E-08	2.75E-09	8.37E-09	8.49E-11	1.12E-08
6638	469962.43	3820734.81	3.22E-08	1.25E-07	1.65E-09	1.59E-07	2.68E-08	9.16E-08	1.19E-09	1.20E-07	3.04E-09	1.61E-08	2.82E-10	1.94E-08	2.76E-09	8.41E-09	8.52E-11	1.13E-08
6639	469953.6	3820731	3.23E-08	1.25E-07	1.66E-09	1.59E-07	2.69E-08	9.20E-08	1.19E-09	1.20E-07	3.05E-09	1.61E-08	2.83E-10	1.94E-08	2.77E-09	8.44E-09	8.56E-11	1.13E-08
6640	469944.77	3820727.18	3.24E-08	1.26E-07	1.66E-09	1.60E-07	2.70E-08	9.23E-08	1.19E-09	1.20E-07	3.06E-09	1.62E-08	2.84E-10	1.95E-08	2.78E-09	8.47E-09	8.59E-11	1.13E-08
6641	469935.94	3820723.36	3.25E-08	1.26E-07	1.67E-09	1.60E-07	2.71E-08	9.26E-08	1.20E-09	1.21E-07	3.07E-09	1.62E-08	2.85E-10	1.96E-08	2.79E-09	8.49E-09	8.61E-11	1.14E-08
6642	469927.11	3820719.54	3.26E-08	1.26E-07	1.67E-09	1.61E-07	2.71E-08	9.28E-08	1.20E-09	1.21E-07	3.08E-09	1.63E-08	2.85E-10	1.96E-08	2.80E-09	8.51E-09	8.63E-11	1.14E-08
6643	469918.28	3820715.72	3.26E-08	1.27E-07	1.68E-09	1.61E-07	2.72E-08	9.30E-08	1.20E-09	1.21E-07	3.08E-09	1.63E-08	2.86E-10	1.97E-08	2.80E-09	8.53E-09	8.65E-11	1.14E-08
6644	469909.45	3820711.9	3.27E-08	1.27E-07	1.68E-09	1.61E-07	2.72E-08	9.31E-08	1.20E-09	1.22E-07	3.09E-09	1.63E-08	2.86E-10	1.97E-08	2.80E-09	8.54E-09	8.66E-11	1.14E-08
6645	469900.62	3820708.09	3.27E-08	1.27E-07	1.68E-09	1.61E-07	2.72E-08	9.32E-08	1.21E-09	1.22E-07	3.09E-09	1.63E-08	2.87E-10	1.97E-08	2.81E-09	8.55E-09	8.67E-11	1.14E-08
6646	469891.79	3820704.27	3.27E-08	1.27E-07	1.68E-09	1.61E-07	2.72E-08	9.32E-08	1.21E-09	1.22E-07	3.09E-09	1.63E-08	2.87E-10	1.97E-08	2.81E-09	8.55E-09	8.67E-11	1.14E-08
6647	469882.96	3820700.45	3.27E-08	1.27E-07	1.68E-09	1.61E-07	2.72E-08	9.32E-08	1.21E-09	1.22E-07	3.09E-09	1.63E-08	2.86E-10	1.97E-08	2.81E-09	8.55E-09	8.67E-11	1.14E-08
6648	469874.13	3820696.63	3.27E-08	1.27E-07	1.68E-09	1.61E-07	2.72E-08	9.31E-08	1.20E-09	1.21E-07	3.08E-09	1.63E-08	2.86E-10	1.97E-08	2.80E-09	8.54E-09	8.66E-11	1.14E-08
6649	469865.3	3820692.81	3.26E-08	1.27E-07	1.68E-09	1.61E-07	2.72E-08	9.30E-08	1.20E-09	1.21E-07	3.08E-09	1.63E-08	2.86E-10	1.97E-08	2.80E-09	8.53E-09	8.65E-11	1.14E-08
6650	469856.47	3820688.99	3.26E-08	1.26E-07	1.67E-09	1.61E-07	2.71E-08	9.28E-08	1.20E-09	1.21E-07	3.08E-09	1.63E-08	2.85E-10	1.96E-08	2.80E-09	8.51E-09	8.63E-11	1.14E-08
6651	469847.64	3820685.17	3.25E-08	1.26E-07	1.67E-09	1.60E-07	2.71E-08	9.26E-08	1.20E-09	1.21E-07	3.07E-09	1.62E-08	2.85E-10	1.96E-08	2.79E-09	8.50E-09	8.62E-11	1.14E-08
6652	469838.81	3820681.36	3.24E-08	1.26E-07	1.67E-09	1.60E-07	2.70E-08	9.24E-08	1.20E-09	1.21E-07	3.06E-09	1.62E-08	2.84E-10	1.95E-08	2.78E-09	8.47E-09	8.59E-11	1.13E-08
6653	469829.98	3820677.54	3.23E-08	1.25E-07	1.66E-09	1.59E-07	2.69E-08	9.21E-08	1.19E-09	1.20E-07	3.05E-09	1.61E-08	2.83E-10	1.95E-08	2.77E-09	8.45E-09	8.57E-11	1.13E-08
6654	469821.15	3820673.72	3.22E-08	1.25E-07	1.65E-09	1.59E-07	2.68E-08	9.17E-08	1.19E-09	1.20E-07	3.04E-09	1.61E-08	2.82E-10	1.94E-08	2.76E-09	8.42E-09	8.53E-11	1.13E-08
6655	469812.32	3820669.9	3.21E-08	1.24E-07	1.65E-09	1.58E-07	2.67E-08	9.14E-08	1.18E-09	1.19E-07	3.03E-09	1.60E-08	2.81E-10	1.93E-08	2.75E-09	8.38E-09	8.50E-11	1.12E-08
6656	469803.49	3820666.08	3.19E-08	1.24E-07	1.64E-09	1.57E-07	2.66E-08	9.10E-08	1.18E-09	1.19E-07	3.01E-09	1.59E-08	2.80E-10	1.92E-08	2.74E-09	8.34E-09	8.46E-11	1.12E-08
6657	469794.66	3820662.26	3.18E-08	1.23E-07	1.63E-09	1.57E-07	2.65E-08	9.05E-08	1.17E-09	1.18E-07	3.00E-09	1.59E-08	2.78E-10	1.91E-08	2.73E-09	8.30E-09	8.42E-11	1.11E-08
6658	469785.83	3820658.45	3.16E-08	1.23E-07	1.62E-09	1.56E-07	2.63E-08	9.01E-08	1.17E-09	1.18E-07	2.98E-09	1.58E-08	2.77E-10	1.90E-08	2.71E-09	8.26E-09	8.38E-11	1.11E-08
6659	469777	3820654.63	3.14E-08	1.22E-07	1.61E-09	1.55E-07	2.62E-08	8.96E-08	1.16E-09	1.17E-07	2.97E-09	1.57E-08	2.75E-10	1.89E-08	2.70E-09	8.22E-09	8.33E-11	1.10E-08
6660	469768.17	3820650.81	3.12E-08	1.21E-07	1.61E-09	1.54E-07	2.60E-08	8.90E-08	1.15E-09	1.16E-07	2.95E-09	1.56E-08	2.74E-10	1.88E-08	2.68E-09	8.17E-09	8.28E-11	1.09E-08
6661	469759.34	3820646.99	3.10E-08	1.20E-07	1.60E-09	1.53E-07	2.59E-08	8.85E-08	1.15E-09	1.15E-07	2.93E-09	1.55E-08	2.72E-10	1.87E-08	2.67E-09	8.12E-09	8.23E-11	1.09E-08
6662	469750.51	3820643.17	3.08E-08	1.20E-07	1.59E-09	1.52E-07	2.57E-08	8.79E-08	1.14E-09	1.15E-07	2.91E-09	1.54E-08	2.70E-10	1.86E-08	2.65E-09	8.06E-09	8.18E-11	1.08E-08
6663	469741.68	3820639.35	3.06E-08	1.19E-07	1.57E-09	1.51E-07	2.55E-08	8.73E-08	1.13E-09	1.14E-07	2.89E-09	1.53E-08	2.68E-10	1.85E-08	2.63E-09	8.01E-09	8.12E-11	1.07E-08
6664	469732.85	3820635.54	3.04E-08	1.18E-07	1.56E-09	1.50E-07	2.53E-08	8.67E-08	1.12E-09	1.13E-07	2.87E-09	1.52E-08	2.67E-10	1.83E-08	2.61E-09	7.95E-09	8.06E-11	1.06E-08
6665	469724.02	3820631.72	3.02E-08	1.17E-07	1.55E-09	1.49E-07	2.52E-08	8.61E-08	1.11E-09	1.12E-07	2.85E-09	1.51E-08	2.65E-10	1.82E-08	2.59E-09	7.89E-09	8.01E-11	1.06E-08
6666	469715.19	3820627.9	3.00E-08	1.16E-07	1.54E-09	1.48E-07	2.50E-08	8.54E-08	1.11E-09	1.12E-07	2.83E-09	1.50E-08	2.63E-10	1.81E-08	2.57E-09	7.84E-09	7.95E-11	1.05E-08
6667	469706.36	3820624.08	2.97E-08	1.15E-07	1.53E-09	1.47E-07	2.48E-08	8.48E-08	1.10E-09	1.11E-07	2.81E-09	1.48E-08	2.61E-10	1.79E-08	2.55E-09	7.77E-09	7.88E-11	1.04E-08
6668	469697.53	3820620.26	2.95E-08	1.14E-07	1.52E-09	1.45E-07	2.46E-08	8.41E-08	1.09E-09	1.10E-07	2.79E-09	1.47E-08	2.59E-10	1.78E-08	2.53E-09	7.71E-09	7.82E-11	1.03E-08
6669	469662.21	3820604.99	2.85E-08	1.11E-07	1.47E-09	1.41E-07	2.38E-08	8.14E-08	1.05E-09	1.06E-07	2.70E-09	1.43E-08	2.50E-10	1.72E-08	2.45E-09	7.46E-09	7.57E-11	9.99E-09
6670	469653.38	3820601.17	2.83E-08	1.10E-07	1.45E-09	1.40E-07	2.36E-08	8.07E-08	1.04E-09	1.05E-07	2.67E-09	1.41E-08	2.48E-10	1.71E-08	2.43E-09	7.40E-09	7.50E-11	9.90E-09
6671	469644.55	3820597.35	2.81E-08	1.09E-07	1.44E-09	1.38E-07	2.34E-08	8.00E-08	1.04E-09	1.04E-07	2.65E-09	1.40E-08	2.46E-10	1.69E-08	2.41E-09	7.34E-09	7.44E-11	9.82E-09
6672	469635.72	3820593.53	2.78E-08	1.08E-07	1.43E-09	1.37E-07	2.32E-08	7.93E-08	1.03E-09	1.04E-07	2.63E-09	1.39E-08	2.44E-10	1.68E-08	2.39E-09	7.28E-09	7.38E-11	9.74E-09
6673	469626.89	3820589.72	2.76E-08	1.07E-07	1.42E-09	1.36E-07	2.30E-08	7.86E-08	1.02E-09	1.03E-07	2.61E-09	1.38E-08	2.42E-10	1.66E-08	2.37E-09	7.21E-09	7.32E-11	9.66E-09
6674	469618.06	3820585.9	2.74E-08	1.06E-07	1.41E-09	1.35E-07	2.28E-08	7.80E-08	1.01E-09	1.02E-07	2.58E-09	1.37E-08	2.40E-10	1.65E-08	2.35E-09	7.15E-09	7.25E-11	9.57E-09
6675	469609.23	3820582.08	2.71E-08	1.05E-07	1.39E-09	1.34E-07	2.26E-08	7.73E-08	1.00E-09	1.01E-07	2.56E-09	1.35E-08	2.38E-10	1.63E-08	2.33E-09	7.09E-09	7.19E-11	9.49E-09
6676	469600.4	3820578.26	2.69E-08	1.04E-07	1.38E-09	1.33E-07	2.24E-08	7.66E-08	9.92E-10	1.00E-07	2.54E-09	1.34E-08	2.36E-10	1.62E-08	2.31E-09	7.03E-09	7.13E-11	9.41E-09
6677	469591.57	3820574.44	2.67E-08	1.03E-07	1.37E-09	1.31E-07	2.22E-08	7.60E-08	9.84E-10	9.92E-08	2.52E-09	1.33E-08	2.34E-10	1.61E-08	2.29E-09	6.97E-09	7.07E-11	9.33E-09
6678	469582.74	3820570.62	2.64E-08	1.03E-07	1.36E-09	1.30E-07	2.20E-08	7.54E-08	9.75E-10	9.84E-08	2.50E-09	1.32E-08	2.32E-10	1.59E-08	2.27E-09	6.91E-09	7.01E-11	9.25E-09
6679	469573.91	3820566.81	2.62E-08	1.02E-07	1.35E-09	1.29E-07	2.18E-08	7.48E-08	9.67E-10	9.76E-08	2.48E-09	1.31E-08	2.30E-10	1.58E-08	2.25E-09	6.86E-09	6.95E-11	9.18E-09
6680	469565.08	3820562.99	2.60E-08	1.01E-07	1.34E-09	1.28E-07	2.17E-08	7.41E-08	9.59E-10	9.68E-08	2.46E-09	1.30E-08	2.28E-10	1.57E-08	2.23E-09	6.80E-09	6.90E-11	9.10E-09
6681	469556.25	3820559.17	2.58E-08	1.00E-07	1.33E-09	1.27E-07	2.15E-08	7.35E-08	9.52E-10	9.60E-08	2.44E-09	1.29E-08	2.26E-10	1.55E-08	2.21E-09	6.75E-09	6.84E-11	9.03E-09
6682	469547.42	3820555.35	2.56E-08	9.93E-08	1.32E-09	1.26E-07	2.13E-08	7.30E-08	9.44E-10	9.52E-08	2.42E-09	1.28E-08	2.24E-10	1.54E-08	2.20E-09	6.69E-09	6.79E-11	8.96E-09
6683	469538.59	3820551.53	2.54E-08	9.85E-08	1.30E-09	1.25E-07	2.12E-08	7.24E-08	9.37E-10	9.45E-08	2.40E-09	1.27E-08	2.23E-10	1.53E-08	2.18E-09	6.64E-09	6.73E-11	8.89E-09
6684	469529.76	3820547.71	2.52E-08	9.77E-08	1.29E-09	1.24E-07	2.10E-08	7.18E-08	9.29E-10	9.37E-08	2.38E-09	1.26E-08	2.21E-10	1.52E-08	2.16E-09	6.59E-09	6.68E-11	8.82E-09
6685	469520.93	3820543.9	2.50E-08	9.70E-08	1.28E-09	1.23E-07	2.08E-08	7.13E-08	9.22E-10	9.30E-08	2.36E-09	1.25E-08	2.19E-10	1.51E-08	2.15E-09	6.54E-09	6.63E-11	8.75E-09
6686	469512.1	3820540.08	2.48E-08	9.62E-08	1.27E-09	1.22E-07	2.07E-08	7.07E-08	9.15E-10	9.23E-08	2.34E-09	1.24E-08	2.17E-10	1.49E-08	2.13E-09	6.49E-09	6.58E-11	8.68E-09
6687	469503.27	3820536.26	2.46E-08	9.55E-08	1.27E-09	1.21E-07	2.05E-08	7.02E-08	9.08E-10	9.16E-08	2.33E-09	1.23E-08	2.16E-10	1.48E-08	2.11E-09	6.44E-09	6.53E-11	8.62E-09
6688	469494.44	3820532.44	2.44E-08	9.48E-08	1.26E-09	1.21E-07	2.04E-08	6.97E-08	9.02E-10	9.09E-08	2.31E-09	1.22E-08	2.14E-10	1.47E-08	2.10E-09	6.39E-09	6.48E-11	8.55E-09
6689	469485.61	3820528.62	2.43E-08	9.41E-08	1.25E-09	1.20E-07	2.02E-08	6.92E-08	8.95E-10	9.03E-08	2.29E-09	1.21E-08	2.13E-10	1.46E-08	2.08E-09	6.34E-09	6.43E-11	8.49E-09
6690	469476.78	3820524.8	2.41E-08	9.34E-08	1.24E-09	1.19E-07	2.01E-08	6.87E-08	8.89E-10	8.96E-08	2.28E-09	1.20E-08	2.11E-10	1.45E-08	2.07E-09	6.30E-09	6.39E-11	8.43E-09
6691	469467.95	3820520.99	2.39E-08	9.28E-08	1.23E-09	1.18E-07	1.99E-08	6.82E-08	8.82E-10	8.90E-08	2.26E-09	1.19E-08	2.10E-10	1.44E-08	2.05E-09	6.25E-09	6.34E-11	8.37E-09
6692	469459.12	3820517.17	2.38E-08	9.21E-08	1.22E-09	1.17E-07	1.98E-08	6.77E-08	8.76E-10	8.84E-08	2.24E-09	1.19E-08	2.08E-10	1.43E-08	2.04E-09	6.21E-09	6.30E-11	8.31E-09
6693	469450.29	3820513.35	2.36E-08	9.15E-08	1.21E-09	1.16E-07	1.97E-08	6.72E-08	8.70E-10	8.78E-08	2.23E-09	1.18E-08	2.07E-10	1.42E-08	2.03E-09	6.17E-09	6.25E-11	8.25E-09
6694	469441.46	3820509.53	2.34E-08	9.09E-08	1.20E-09	1.16E-07	1.95E-08	6.68E-08	8.64E-10	8.72E-08	2.21E-09	1.17E-08	2.05E-10	1.41E-08	2.01E-09	6.13E-09	6.21E-11	8.20E-09
6695	469432.63	3820505.71	2.33E-08	9.03E-08	1.20E-09	1.15E-07	1.94E-08	6.63E-08	8.58E-10	8.66E-08	2.20E-09	1.16E-08	2.04E-10	1.40E-08	2.00E-09	6.08E-09	6.17E-11	8.14E-09
6696	469423.8	3820501.89	2.31E-08	8.96E-08	1.19E-09	1.14E-07	1.93E-08	6.59E-08	8.52E-10	8.60E-08	2.18E-09	1.15E-08	2.03E-10	1.39E-08	1.98E-09	6.04E-09	6.13E-11	8.09E-09
6697	469414.97	3820498.08	2.30E-08	8.90E-08	1.18E-09	1.13E-07	1.91E-08	6.54E-08	8.47E-10	8.54E-08	2.17E-09	1.15E-08	2.01E-10	1.38E-08	1.97E-09	6.00E-09	6.09E-11	8.03E-09
6698	469406.14	3820494.26	2.28E-08	8.85E-08	1.17E-09	1.12E-07	1.90E-08	6.50E-08	8.41E-10	8.48E-08	2.15E-09	1.14E-08	2.00E-10	1.37E-08	1.96E-09	5.96E-09	6.05E-11	7.98E-09
6699	469397.31	3820490.44	2.27E-08	8.79E-08	1.16E-09	1.12E-07	1.89E-08	6.46E-08	8.36E-10	8.43E-08	2.14E-09	1.13E-08	1.99E-10	1.36E-08	1.94E-09	5.92E-09	6.01E-11	7.93E-09
6700	469388.48	3820486.62	2.25E-08	8.73E-08	1.16E-09	1.11E-07	1.87E-08	6.41E-08	8.30E-10	8.37E-08	2.13E-09	1.12E-08	1.97E-10	1.36E-08	1.93E-09	5.88E-09	5.97E-11	7.88E-09
6701	469379.65	3820482.8	2.24E-08	8.67E-08	1.15E-09	1.10E-07	1.86E-08	6.37E-08	8.25E-10	8.32E-08	2.11E-09	1.12E-08	1.96E-10	1.35E-08	1.92E-09	5.84E-09	5.93E-11	7.82E-09
6702	469370.82	3820478.98	2.22E-08	8.61E-08	1.14E-09	1.09E-07	1.85E-08	6.33E-08	8.19E-10	8.26E-08	2.10E-09	1.11E-08	1.95E-10	1.34E-08	1.91E-09	5.80E-09	5.89E-11	7.77E-09
6703	469361.98	3820475.17	2.21E-08	8.55E-08	1.13E-09	1.09E-07	1.84E-08	6.28E-08	8.13E-10	8.20E-08	2.08E-09	1.10E-08	1.93E-10	1.33E-08	1.89E-09	5.76E-09	5.85E-11	7.72E-09
6704	469353.15	3820471.35	2.19E-08	8.49E-08	1.13E-09	1.08E-07	1.82E-08	6.24E-08	8.08E-10	8.15E-08	2.07E-09	1.09E-08	1.92E-10	1.32E-08	1.88E-09	5.73E-09	5.81E-11	7.66E-09
6705	469344.32	3820467.53	2.17E-08	8.43E-08	1.12E-09	1.07E-07	1.81E-08	6.20E-08	8.02E-10	8.09E-08	2.05E-09	1.09E-08	1.91E-10	1.31E-08	1.87E-09	5.69E-09	5.77E-11	7.61E-09
6706	469335.49	3820463.71	2.16E-08	8.38E-08	1.11E-09	1.06E-07	1.80E-08	6.15E-08	7.96E-10	8.03E-08	2.04E-09	1.08E-08	1.89E-10	1.30E-08	1.85E-09	5.65E-09	5.72E-11	7.56E-09
6707	469326.66	3820459.89	2.14E-08	8.32E-08	1.10E-09	1.06E-07	1.79E-08	6.11E-08	7.91E-10	7.98E-08	2.02E-09	1.07E-08	1.88E-10	1.29E-08	1.84E-09	5.61E-09	5.68E-11	7.50E-09
6708	469317.83	3820456.07	2.13E-08	8.26E-08	1.09E-09	1.05E-07	1.77E-08	6.07E-08	7.85E-10	7.92E-08	2.01E-09	1.06E-08	1.87E-10	1.28E-08	1.83E-09	5.56E-09	5.64E-11	7.45E-09
6709	469309	3820452.26	2.11E-08	8.20E-08	1.09E-09	1.04E-07	1.76E-08	6.02E-08	7.79E-10	7.86E-08	2.00E-09	1.06E-08	1.85E-10	1.27E-08	1.81E-09	5.52E-09	5.60E-11	7.39E-09
6710	469300.17	3820448.44	2.10E-08	8.13E-08	1.08E-09	1.03E-07	1.75E-08	5.98E-08	7.73E-10	7.80E-08	1.98E-09	1.05E-08	1.84E-10	1.26E-08	1.80E-09	5.48E-09	5.56E-11	7.34E-09
6711	469291.34	3820444.62	2.08E-08	8.07E-08	1.07E-09	1.03E-07	1.73E-08	5.93E-08	7.68E-10	7.74E-08	1.97E-09	1.04E-08	1.82E-10	1.25E-08	1.79E-09	5.44E-09	5.52E-11	7.28E-09
6712	469264.85	3820433.16	2.03E-08	7.88E-08	1.04E-09	1.00E-07	1.69E-08	5.79E-08	7.49E-10	7.56E-08	1.92E-09	1.01E-08	1.78E-10	1.22E-08	1.74E-09	5.31E-09	5.38E-11	7.11E-09
6713	469256.02	3820429.35	2.01E-08	7.81E-08	1.03E-09	9.93E-08	1.68E-08	5.74E-08	7.43E-10	7.49E-08	1.90E-09	1.01E-08	1.76E-10	1.21E-08	1.73E-09	5.26E-09	5.34E-11	7.05E-09
6714	469247.19	3820425.53	2.00E-08	7.74E-08	1.03E-09	9.84E-08	1.66E-08	5.69E-08	7.36E-10	7.43E-08	1.89E-09	9.97E-09	1.75E-10	1.20E-08	1.71E-09	5.22E-09	5.29E-11	6.99E-09
6715	469238.36	3820421.71	1.98E-08	7.67E-08	1.02E-09	9.75E-08	1.65E-08	5.64E-08	7.30E-10	7.36E-08	1.87E-09	9.88E-09	1.73E-10	1.19E-08	1.70E-09	5.17E-09	5.25E-11	6.92E-09
6716	469229.53	3820417.89	1.96E-08	7.60E-08	1.01E-09	9.67E-08	1.63E-08	5.59E-08	7.23E-10	7.29E-08	1.85E-09	9.79E-09	1.72E-10	1.18E-08	1.68E-09	5.13E-09	5.20E-11	6.86E-09

6717	469220.7	3820414.07	1.94E-08	7.53E-08	9.98E-10	9.58E-08	1.62E-08	5.54E-08	7.16E-10	7.23E-08	1.83E-09	9.70E-09	1.70E-10	1.17E-08	1.67E-09	5.08E-09	5.15E-11	6.80E-09
6718	469211.87	3820410.25	1.92E-08	7.46E-08	9.88E-10	9.48E-08	1.60E-08	5.48E-08	7.10E-10	7.16E-08	1.82E-09	9.61E-09	1.69E-10	1.16E-08	1.65E-09	5.03E-09	5.10E-11	6.73E-09
6719	469203.04	3820406.44	1.90E-08	7.39E-08	9.79E-10	9.39E-08	1.59E-08	5.43E-08	7.03E-10	7.09E-08	1.80E-09	9.51E-09	1.67E-10	1.15E-08	1.64E-09	4.98E-09	5.05E-11	6.67E-09
6720	469194.21	3820402.62	1.89E-08	7.31E-08	9.69E-10	9.30E-08	1.57E-08	5.37E-08	6.95E-10	7.01E-08	1.78E-09	9.41E-09	1.65E-10	1.14E-08	1.62E-09	4.93E-09	5.00E-11	6.60E-09
6721	469185.38	3820398.8	1.87E-08	7.24E-08	9.59E-10	9.20E-08	1.55E-08	5.32E-08	6.88E-10	6.94E-08	1.76E-09	9.32E-09	1.64E-10	1.12E-08	1.60E-09	4.88E-09	4.95E-11	6.53E-09
6722	469176.55	3820394.98	1.85E-08	7.16E-08	9.49E-10	9.10E-08	1.54E-08	5.26E-08	6.81E-10	6.87E-08	1.74E-09	9.22E-09	1.62E-10	1.11E-08	1.59E-09	4.83E-09	4.90E-11	6.46E-09
6723	469167.72	3820391.16	1.83E-08	7.08E-08	9.39E-10	9.01E-08	1.52E-08	5.21E-08	6.74E-10	6.79E-08	1.72E-09	9.12E-09	1.60E-10	1.10E-08	1.57E-09	4.78E-09	4.84E-11	6.39E-09
6724	469158.89	3820387.34	1.81E-08	7.01E-08	9.28E-10	8.91E-08	1.50E-08	5.15E-08	6.66E-10	6.72E-08	1.71E-09	9.02E-09	1.58E-10	1.09E-08	1.55E-09	4.72E-09	4.79E-11	6.32E-09
6725	469150.06	3820383.53	1.79E-08	6.93E-08	9.18E-10	8.80E-08	1.49E-08	5.09E-08	6.59E-10	6.64E-08	1.69E-09	8.92E-09	1.57E-10	1.08E-08	1.53E-09	4.67E-09	4.73E-11	6.25E-09
6726	469137.72	3820370.75	1.76E-08	6.83E-08	9.04E-10	8.68E-08	1.47E-08	5.02E-08	6.49E-10	6.55E-08	1.66E-09	8.79E-09	1.54E-10	1.06E-08	1.51E-09	4.60E-09	4.67E-11	6.16E-09
6727	469134.2	3820361.8	1.75E-08	6.80E-08	9.01E-10	8.65E-08	1.46E-08	5.00E-08	6.47E-10	6.52E-08	1.66E-09	8.76E-09	1.54E-10	1.06E-08	1.51E-09	4.58E-09	4.65E-11	6.14E-09
6728	469130.68	3820352.84	1.75E-08	6.77E-08	8.98E-10	8.61E-08	1.45E-08	4.98E-08	6.44E-10	6.50E-08	1.65E-09	8.72E-09	1.53E-10	1.05E-08	1.50E-09	4.57E-09	4.63E-11	6.11E-09
6729	469127.17	3820343.89	1.74E-08	6.75E-08	8.94E-10	8.57E-08	1.45E-08	4.96E-08	6.41E-10	6.47E-08	1.64E-09	8.68E-09	1.52E-10	1.05E-08	1.49E-09	4.55E-09	4.61E-11	6.09E-09
6730	469123.65	3820334.94	1.73E-08	6.71E-08	8.89E-10	8.53E-08	1.44E-08	4.93E-08	6.38E-10	6.44E-08	1.63E-09	8.64E-09	1.52E-10	1.04E-08	1.49E-09	4.53E-09	4.59E-11	6.06E-09
6731	469120.14	3820325.98	1.72E-08	6.68E-08	8.85E-10	8.49E-08	1.44E-08	4.91E-08	6.35E-10	6.41E-08	1.63E-09	8.60E-09	1.51E-10	1.04E-08	1.48E-09	4.50E-09	4.57E-11	6.03E-09
6732	469116.62	3820317.03	1.71E-08	6.65E-08	8.80E-10	8.45E-08	1.43E-08	4.88E-08	6.32E-10	6.37E-08	1.62E-09	8.56E-09	1.50E-10	1.03E-08	1.47E-09	4.48E-09	4.54E-11	6.00E-09
6733	469113.1	3820308.07	1.70E-08	6.61E-08	8.75E-10	8.40E-08	1.42E-08	4.86E-08	6.28E-10	6.34E-08	1.61E-09	8.51E-09	1.49E-10	1.03E-08	1.46E-09	4.45E-09	4.52E-11	5.96E-09
6734	469109.59	3820299.12	1.69E-08	6.57E-08	8.70E-10	8.35E-08	1.41E-08	4.83E-08	6.25E-10	6.30E-08	1.60E-09	8.46E-09	1.48E-10	1.02E-08	1.45E-09	4.43E-09	4.49E-11	5.93E-09
6735	469106.07	3820290.16	1.68E-08	6.53E-08	8.65E-10	8.30E-08	1.40E-08	4.80E-08	6.21E-10	6.26E-08	1.59E-09	8.40E-09	1.47E-10	1.01E-08	1.44E-09	4.40E-09	4.46E-11	5.89E-09
6736	469102.55	3820281.21	1.67E-08	6.48E-08	8.59E-10	8.24E-08	1.39E-08	4.76E-08	6.16E-10	6.22E-08	1.58E-09	8.35E-09	1.46E-10	1.01E-08	1.43E-09	4.37E-09	4.43E-11	5.85E-09
6737	469099.04	3820272.25	1.66E-08	6.44E-08	8.53E-10	8.18E-08	1.38E-08	4.73E-08	6.12E-10	6.17E-08	1.57E-09	8.29E-09	1.45E-10	1.00E-08	1.42E-09	4.34E-09	4.40E-11	5.81E-09
6738	469095.52	3820263.3	1.65E-08	6.39E-08	8.46E-10	8.12E-08	1.37E-08	4.69E-08	6.07E-10	6.13E-08	1.56E-09	8.22E-09	1.44E-10	9.92E-09	1.41E-09	4.31E-09	4.37E-11	5.76E-09
6739	469092	3820254.34	1.63E-08	6.34E-08	8.40E-10	8.06E-08	1.36E-08	4.66E-08	6.03E-10	6.08E-08	1.54E-09	8.16E-09	1.43E-10	9.85E-09	1.40E-09	4.27E-09	4.33E-11	5.72E-09
6740	469088.49	3820245.39	1.62E-08	6.29E-08	8.33E-10	7.99E-08	1.35E-08	4.62E-08	5.98E-10	6.03E-08	1.53E-09	8.09E-09	1.42E-10	9.77E-09	1.39E-09	4.24E-09	4.30E-11	5.67E-09
6741	469084.97	3820236.44	1.61E-08	6.23E-08	8.26E-10	7.92E-08	1.34E-08	4.58E-08	5.93E-10	5.98E-08	1.52E-09	8.02E-09	1.41E-10	9.68E-09	1.38E-09	4.20E-09	4.26E-11	5.62E-09
6742	469081.45	3820227.48	1.59E-08	6.18E-08	8.18E-10	7.85E-08	1.33E-08	4.54E-08	5.87E-10	5.92E-08	1.50E-09	7.95E-09	1.40E-10	9.59E-09	1.37E-09	4.16E-09	4.22E-11	5.57E-09
6743	469077.94	3820218.53	1.58E-08	6.12E-08	8.10E-10	7.78E-08	1.31E-08	4.50E-08	5.82E-10	5.87E-08	1.49E-09	7.88E-09	1.38E-10	9.50E-09	1.35E-09	4.12E-09	4.18E-11	5.52E-09
6744	469074.42	3820209.57	1.56E-08	6.06E-08	8.02E-10	7.70E-08	1.30E-08	4.45E-08	5.76E-10	5.81E-08	1.47E-09	7.80E-09	1.37E-10	9.41E-09	1.34E-09	4.08E-09	4.14E-11	5.46E-09
6745	469070.9	3820200.62	1.55E-08	6.00E-08	7.94E-10	7.62E-08	1.29E-08	4.41E-08	5.70E-10	5.75E-08	1.46E-09	7.72E-09	1.35E-10	9.31E-09	1.33E-09	4.04E-09	4.10E-11	5.41E-09
6746	469067.39	3820191.66	1.53E-08	5.93E-08	7.86E-10	7.54E-08	1.27E-08	4.36E-08	5.64E-10	5.69E-08	1.44E-09	7.64E-09	1.34E-10	9.22E-09	1.31E-09	4.00E-09	4.06E-11	5.35E-09
6747	469063.87	3820182.71	1.51E-08	5.87E-08	7.77E-10	7.46E-08	1.26E-08	4.31E-08	5.58E-10	5.63E-08	1.43E-09	7.55E-09	1.33E-10	9.11E-09	1.30E-09	3.95E-09	4.01E-11	5.29E-09
6748	469060.35	3820173.75	1.50E-08	5.80E-08	7.68E-10	7.37E-08	1.25E-08	4.26E-08	5.52E-10	5.56E-08	1.41E-09	7.47E-09	1.31E-10	9.01E-09	1.28E-09	3.91E-09	3.96E-11	5.23E-09
6749	469056.84	3820164.8	1.48E-08	5.73E-08	7.59E-10	7.29E-08	1.23E-08	4.21E-08	5.45E-10	5.50E-08	1.40E-09	7.38E-09	1.30E-10	8.90E-09	1.27E-09	3.86E-09	3.92E-11	5.17E-09
6750	469053.32	3820155.84	1.46E-08	5.66E-08	7.50E-10	7.20E-08	1.22E-08	4.16E-08	5.38E-10	5.43E-08	1.38E-09	7.29E-09	1.28E-10	8.80E-09	1.25E-09	3.82E-09	3.87E-11	5.11E-09
6751	469049.81	3820146.89	1.44E-08	5.59E-08	7.41E-10	7.11E-08	1.20E-08	4.11E-08	5.32E-10	5.36E-08	1.36E-09	7.20E-09	1.26E-10	8.69E-09	1.24E-09	3.77E-09	3.82E-11	5.04E-09
6752	469046.29	3820137.94	1.42E-08	5.52E-08	7.31E-10	7.02E-08	1.19E-08	4.06E-08	5.25E-10	5.29E-08	1.34E-09	7.11E-09	1.25E-10	8.57E-09	1.22E-09	3.72E-09	3.77E-11	4.98E-09
6753	469042.77	3820128.98	1.40E-08	5.45E-08	7.22E-10	6.92E-08	1.17E-08	4.00E-08	5.18E-10	5.22E-08	1.33E-09	7.01E-09	1.23E-10	8.46E-09	1.21E-09	3.67E-09	3.72E-11	4.91E-09
6754	469039.26	3820120.03	1.39E-08	5.37E-08	7.12E-10	6.83E-08	1.15E-08	3.95E-08	5.11E-10	5.15E-08	1.31E-09	6.91E-09	1.21E-10	8.34E-09	1.19E-09	3.62E-09	3.67E-11	4.85E-09
6755	469035.74	3820111.07	1.37E-08	5.30E-08	7.02E-10	6.73E-08	1.14E-08	3.89E-08	5.04E-10	5.08E-08	1.29E-09	6.82E-09	1.20E-10	8.23E-09	1.17E-09	3.57E-09	3.62E-11	4.78E-09
6756	469032.22	3820102.12	1.35E-08	5.22E-08	6.91E-10	6.63E-08	1.12E-08	3.84E-08	4.96E-10	5.01E-08	1.27E-09	6.72E-09	1.18E-10	8.11E-09	1.16E-09	3.52E-09	3.57E-11	4.71E-09
6757	469028.71	3820093.16	1.33E-08	5.14E-08	6.81E-10	6.54E-08	1.10E-08	3.78E-08	4.89E-10	4.93E-08	1.25E-09	6.62E-09	1.16E-10	7.99E-09	1.14E-09	3.47E-09	3.51E-11	4.64E-09
6758	469025.19	3820084.21	1.31E-08	5.06E-08	6.71E-10	6.43E-08	1.09E-08	3.72E-08	4.81E-10	4.86E-08	1.23E-09	6.52E-09	1.14E-10	7.86E-09	1.12E-09	3.41E-09	3.46E-11	4.57E-09
6759	469021.67	3820075.25	1.28E-08	4.98E-08	6.60E-10	6.33E-08	1.07E-08	3.66E-08	4.74E-10	4.78E-08	1.21E-09	6.41E-09	1.13E-10	7.74E-09	1.10E-09	3.36E-09	3.41E-11	4.50E-09
6760	469018.16	3820066.3	1.26E-08	4.90E-08	6.49E-10	6.23E-08	1.05E-08	3.60E-08	4.66E-10	4.70E-08	1.19E-09	6.31E-09	1.11E-10	7.61E-09	1.09E-09	3.30E-09	3.35E-11	4.42E-09
6761	469014.64	3820057.35	1.24E-08	4.82E-08	6.39E-10	6.13E-08	1.04E-08	3.54E-08	4.58E-10	4.62E-08	1.17E-09	6.21E-09	1.09E-10	7.49E-09	1.07E-09	3.25E-09	3.30E-11	4.35E-09
6762	468993.54	3820003.62	1.11E-08	4.32E-08	5.72E-10	5.49E-08	9.28E-09	3.18E-08	4.11E-10	4.14E-08	1.05E-09	5.56E-09	9.76E-11	6.71E-09	9.56E-10	2.91E-09	2.95E-11	3.90E-09
6763	468990.02	3819994.66	1.09E-08	4.24E-08	5.61E-10	5.39E-08	9.10E-09	3.11E-08	4.03E-10	4.06E-08	1.03E-09	5.46E-09	9.57E-11	6.58E-09	9.38E-10	2.86E-09	2.90E-11	3.82E-09
6764	468986.51	3819985.71	1.07E-08	4.15E-08	5.50E-10	5.28E-08	8.92E-09	3.05E-08	3.95E-10	3.98E-08	1.01E-09	5.35E-09	9.39E-11	6.45E-09	9.20E-10	2.80E-09	2.84E-11	3.75E-09
6765	468982.99	3819976.75	1.05E-08	4.07E-08	5.39E-10	5.17E-08	8.74E-09	2.99E-08	3.87E-10	3.90E-08	9.91E-10	5.24E-09	9.20E-11	6.32E-09	9.01E-10	2.74E-09	2.78E-11	3.67E-09
6766	468979.48	3819967.8	1.03E-08	3.99E-08	5.28E-10	5.07E-08	8.57E-09	2.93E-08	3.79E-10	3.82E-08	9.71E-10	5.13E-09	9.01E-11	6.19E-09	8.83E-10	2.69E-09	2.73E-11	3.60E-09
6767	468975.96	3819958.85	1.01E-08	3.91E-08	5.18E-10	4.97E-08	8.39E-09	2.87E-08	3.71E-10	3.75E-08	9.51E-10	5.03E-09	8.83E-11	6.07E-09	8.65E-10	2.63E-09	2.67E-11	3.52E-09
6768	468972.44	3819949.89	9.86E-09	3.82E-08	5.06E-10	4.86E-08	8.21E-09	2.81E-08	3.64E-10	3.67E-08	9.31E-10	4.92E-09	8.64E-11	5.94E-09	8.46E-10	2.58E-09	2.61E-11	3.45E-09
6769	468968.93	3819940.94	9.65E-09	3.74E-08	4.96E-10	4.76E-08	8.03E-09	2.75E-08	3.56E-10	3.59E-08	9.11E-10	4.82E-09	8.45E-11	5.81E-09	8.28E-10	2.52E-09	2.56E-11	3.38E-09
6770	468965.41	3819931.98	9.43E-09	3.66E-08	4.85E-10	4.65E-08	7.86E-09	2.69E-08	3.48E-10	3.51E-08	8.91E-10	4.71E-09	8.27E-11	5.68E-09	8.10E-10	2.47E-09	2.50E-11	3.30E-09
6771	468961.89	3819923.03	9.22E-09	3.58E-08	4.74E-10	4.55E-08	7.68E-09	2.63E-08	3.40E-10	3.43E-08	8.71E-10	4.60E-09	8.08E-11	5.56E-09	7.92E-10	2.41E-09	2.44E-11	3.23E-09
6772	468958.38	3819914.07	9.01E-09	3.49E-08	4.63E-10	4.44E-08	7.50E-09	2.57E-08	3.32E-10	3.35E-08	8.51E-10	4.50E-09	7.90E-11	5.43E-09	7.73E-10	2.36E-09	2.39E-11	3.15E-09
6773	468954.86	3819905.12	8.80E-09	3.41E-08	4.52E-10	4.34E-08	7.33E-09	2.51E-08	3.25E-10	3.27E-08	8.31E-10	4.39E-09	7.71E-11	5.30E-09	7.55E-10	2.30E-09	2.33E-11	3.08E-09
6774	468951.34	3819896.16	8.59E-09	3.33E-08	4.41E-10	4.24E-08	7.16E-09	2.45E-08	3.17E-10	3.20E-08	8.11E-10	4.29E-09	7.53E-11	5.18E-09	7.38E-10	2.25E-09	2.28E-11	3.01E-09
6775	468947.83	3819887.21	8.39E-09	3.25E-08	4.31E-10	4.14E-08	6.99E-09	2.39E-08	3.09E-10	3.12E-08	7.92E-10	4.19E-09	7.35E-11	5.05E-09	7.20E-10	2.19E-09	2.22E-11	2.94E-09
6776	468944.31	3819878.26	8.19E-09	3.18E-08	4.21E-10	4.04E-08	6.82E-09	2.33E-08	3.02E-10	3.05E-08	7.74E-10	4.09E-09	7.18E-11	4.94E-09	7.03E-10	2.14E-09	2.17E-11	2.87E-09
6777	468940.79	3819869.3	8.00E-09	3.10E-08	4.11E-10	3.94E-08	6.66E-09	2.28E-08	2.95E-10	2.97E-08	7.55E-10	3.99E-09	7.01E-11	4.82E-09	6.86E-10	2.09E-09	2.12E-11	2.80E-09
6778	468937.28	3819860.35	7.80E-09	3.03E-08	4.01E-10	3.85E-08	6.50E-09	2.22E-08	2.88E-10	2.90E-08	7.37E-10	3.90E-09	6.84E-11	4.70E-09	6.70E-10	2.04E-09	2.07E-11	2.73E-09
6779	468933.76	3819851.39	7.61E-09	2.95E-08	3.91E-10	3.75E-08	6.34E-09	2.17E-08	2.81E-10	2.83E-08	7.19E-10	3.80E-09	6.67E-11	4.59E-09	6.54E-10	1.99E-09	2.02E-11	2.66E-09
6780	468930.24	3819842.44	7.43E-09	2.88E-08	3.82E-10	3.66E-08	6.19E-09	2.12E-08	2.74E-10	2.76E-08	7.01E-10	3.71E-09	6.51E-11	4.48E-09	6.38E-10	1.94E-09	1.97E-11	2.60E-09
6781	468926.73	3819833.48	7.24E-09	2.81E-08	3.72E-10	3.57E-08	6.03E-09	2.06E-08	2.67E-10	2.69E-08	6.84E-10	3.62E-09	6.35E-11	4.36E-09	6.22E-10	1.89E-09	1.92E-11	2.53E-09
6782	468923.21	3819824.53	7.06E-09	2.74E-08	3.63E-10	3.48E-08	5.88E-09	2.01E-08	2.61E-10	2.63E-08	6.67E-10	3.53E-09	6.19E-11	4.26E-09	6.06E-10	1.85E-09	1.87E-11	2.47E-09
6783	468919.69	3819815.57	6.88E-09	2.67E-08	3.53E-10	3.39E-08	5.73E-09	1.96E-08	2.54E-10	2.56E-08	6.50E-10	3.43E-09	6.03E-11	4.14E-09	5.91E-10	1.80E-09	1.82E-11	2.41E-09
6784	468916.18	3819806.62	6.70E-09	2.60E-08	3.44E-10	3.30E-08	5.58E-09	1.91E-08	2.47E-10	2.49E-08	6.33E-10	3.35E-09	5.87E-11	4.04E-09	5.75E-10	1.75E-09	1.78E-11	2.34E-09
6785	468912.66	3819797.66	6.53E-09	2.53E-08	3.35E-10	3.22E-08	5.44E-09	1.86E-08	2.41E-10	2.43E-08	6.16E-10	3.26E-09	5.72E-11	3.93E-09	5.60E-10	1.71E-09	1.73E-11	2.28E-09
6786	468909.15	3819788.71	6.36E-09	2.47E-08	3.27E-10	3.14E-08	5.30E-09	1.81E-08	2.35E-10	2.37E-08	6.01E-10	3.18E-09	5.58E-11	3.83E-09	5.46E-10	1.66E-09	1.69E-11	2.23E-09
6787	468905.63	3819779.76	6.20E-09	2.40E-08	3.19E-10	3.06E-08	5.16E-09	1.77E-08	2.29E-10	2.31E-08	5.85E-10	3.10E-09	5.43E-11	3.73E-09	5.32E-10	1.62E-09	1.64E-11	2.17E-09
6788	468902.11	3819770.8	6.04E-09	2.34E-08	3.11E-10	2.98E-08	5.03E-09	1.72E-08	2.23E-10	2.25E-08	5.71E-10	3.02E-09	5.30E-11	3.64E-09	5.19E-10	1.58E-09	1.60E-11	2.11E-09
6789	468898.6	3819761.85	5.89E-09	2.28E-08	3.02E-10	2.90E-08	4.90E-09	1.68E-08	2.17E-10	2.19E-08	5.56E-10	2.94E-09	5.16E-11	3.55E-09	5.05E-10	1.54E-09	1.56E-11	2.06E-09
6790	468895.08	3819752.89	5.74E-09	2.23E-08	2.95E-10	2.83E-08	4.78E-09	1.64E-08	2.12E-10	2.13E-08	5.42E-10	2.86E-09	5.03E-11	3.46E-09	4.93E-10	1.50E-09	1.52E-11	2.01E-09
6791	468891.56	3819743.94	5.59E-09	2.17E-08	2.87E-10	2.76E-08	4.66E-09	1.59E-08	2.06E-10	2.08E-08	5.28E-10	2.79E-09	4.90E-11	3.37E-09	4.80E-10	1.46E-09	1.48E-11	1.96E-09
6792	468888.05	3819734.98	5.45E-09	2.11E-08	2.80E-10	2.69E-08	4.54E-09	1.55E-08	2.01E-10	2.03E-08	5.15E-10	2.72E-09	4.78E-11	3.28E-09	4.68E-10	1.42E-09	1.44E-11	1.91E-09
6793	468884.53	3819726.03	5.31E-09	2.06E-08	2.73E-10	2.62E-08	4.42E-09	1.51E-08	1.96E-10	1.98E-08	5.02E-10	2.65E-09	4.66E-11	3.20E-09	4.56E-10	1.39E-09	1.41E-11	1.86E-09
6794	468881.01	3819717.07	5.18E-09	2.01E-08	2.66E-10	2.55E-08	4.31E-09	1.48E-08	1.91E-10	1.93E-08	4.89E-10	2.59E-09	4.54E-11	3.12E-09	4.44E-10	1.35E-09	1.37E-11	1.81E-09
6795	468877.5	3819708.12	5.05E-09	1.96E-08	2.59E-10	2.49E-08	4.20E-09	1.44E-08	1.86E-10	1.88E-08	4.77E-10	2.52E-09	4.42E-11	3.04E-09	4.33E-10	1.32E-09	1.34E-11	1.77E-09
6796	468873.98	3819699.16	4.92E-09	1.91E-08	2.53E-10	2.42E-08	4.09E-09	1.40E-08	1.81E-10	1.83E-08	4.64E-10	2.45E-09	4.31E-11	2.96E-09	4.22E-10	1.29E-09	1.30E-11	1.72E-09
6797	468870.46	3819690.21	4.79E-09	1.86E-08	2.46E-10	2.36E-08	3.99E-09	1.37E-08	1.77E-10	1.78E-08	4.53E-10	2.39E-09	4.20E-11	2.89E-09	4.11E-10	1.25E-09	1.27E-11	1.68E-09
6798	468866.95	3819681.26	4.67E-09	1.81E-08	2.40E-10	2.30E-08	3.89E-09	1.33E-08	1.72E-10	1.74E-08	4.41E-10	2.33E-09	4.09E-11	2.81E-09	4.01E-10	1.22E-09	1.24E-11	1.63E-09
6799	468863.43	3819672.3	4.55E-09	1.77E-08	2.34E-10	2.24E-08	3.79E-09	1.30E-08	1.68E-10	1.69E-08	4.30E-10	2.27E-09	3.99E-11	2.74E-09	3.91E-10	1.19E-09	1.21E-11	1.59E-09
6800	468859.91	3819663.35	4.44E-09	1.72E-08	2.28E-10	2.19E-08	3.70E-09	1.27E-08	1.64E-10	1.65E-08	4.20E-10	2.22E-09	3.89E-11	2.68E-09	3.81E-10	1.16E-09	1.18E-11	1.55E-09
6801	468856.4	3819654.39	4.34E-09	1.68E-08	2.23E-10	2.14E-08	3.61E-09	1.24E-08	1.60E-10	1.61E-08	4.10E-10	2.17E-09	3.80E-11	2.61E-09	3.72E-10	1.13E-09	1.15E-11	1.52E-09
6802	468852.88	3819645.44	4.23E-09	1.64E-08	2.17E-10	2.09E-08	3.53E-09	1.21E-08	1.56E-10	1.57E-08	4.00E-10	2.11E-09	3.71E-11	2.55E-09	3.63E-10	1.11E-09	1.12E-11	1.48E-09
6803	468849.36	3819636.48	4.13E-09	1.60E-08	2.12E-10	2.04E-08	3.44E-09	1.18E-08	1.52E-10	1.54E-08	3.90E-10	2.06E-09	3.62E-11	2.49E-09	3.55E-10	1.08E-09	1.10E-11	1.45E-09
6804	468845.85	3819627.53	4.03E-09	1.56E-08	2.07E-10	1.99E-08	3.36E-09	1.15E-08	1.49E-10	1.50E-08	3.81E-10	2.01E-09	3.53E-11	2.43E-09	3.46E-10	1.05E-09	1.07E-11	1.41E-09
6805	468842.33	3819618.57	3.94E-09	1.53E-08	2.02E-10	1.94E-08	3.28E-09	1.12E-08	1.45E-10	1.46E-08	3.72E-10	1.97E-09	3.45E-11	2.37E-09	3.38E-10	1.03E-09	1.04E-11	1.38E-09
6806	468838.82	3819609.62	3.85E-09	1.49E-08	1.98E-10	1.90E-08	3.21E-09	1.10E-08	1.42E-10	1.43E-08	3.64E-10	1.92E-09	3.37E-11	2.32E-09	3.31E-10	1.01E-09	1.02E-11	1.35E-09
6807	468835.3	3819600.67	3.76E-09	1.46E-08	1.93E-10	1.86E-08	3.13E-09	1.07E-08	1.39E-10	1.40E-08	3.55E-10	1.88E-09	3.30E-11	2.27E-09	3.23E-10	9.84E-10	9.98E-12	1.32E-09
6808	468831.78	3819591.71	3.68E-09	1.43E-08	1.89E-10	1.82E-08	3.07E-09	1.05E-08	1.36E-10	1.37E-08	3.48E-10	1.84E-09	3.23E-11	2.22E-09	3.16E-10	9.63E-10	9.76E-12	1.29E-09
6809	468828.27	3819582.76	3.60E-09	1.40E-08	1.85E-10	1.78E-08	3.00E-09	1.03E-08	1.33E-10	1.34E-08	3.40E-10	1.80E-09	3.16E-11	2.17E-09	3.09E-10	9.42E-10	9.55E-12	1.26E-09
6810	468824.75	3819573.8	3.53E-09	1.37E-08	1.81E-10	1.74E-08	2.94E-09	1.01E-08	1.30E-10	1.31E-08	3.33E-10	1.76E-09	3.09E-11	2.12E-09	3.03E-10	9.22E-10	9.35E-12	1.23E-09
6811	468821.23	3819564.85	3.46E-09	1.34E-08	1.78E-10	1.70E-08	2.88E-09	9.85E-09	1.28E-10	1.29E-08	3.27E-10	1.73E-09	3.03E-11	2.08E-09	2.97E-10	9.04E-10	9.17E-12	1.21E-09
6812	468817.72	3819555.89	3.14E-09	1.22E-08	1.61E-10	1.55E-08	2.62E-09	8.95E-09	1.16E-10	1.17E-08	2.97E-10	1.57E-09	2.75E-11	1.89E-09	2.70E-10	8.21E-10	8.33E-12

6813	468814.2	3819546.94	3.07E-09	1.19E-08	1.58E-10	1.51E-08	2.56E-09	8.76E-09	1.13E-10	1.14E-08	2.90E-10	1.53E-09	2.69E-11	1.85E-09	2.64E-10	8.03E-10	8.14E-12	1.08E-09
6814	468810.68	3819537.98	3.01E-09	1.17E-08	1.55E-10	1.49E-08	2.51E-09	8.59E-09	1.11E-10	1.12E-08	2.85E-10	1.50E-09	2.64E-11	1.82E-09	2.59E-10	7.88E-10	7.99E-12	1.05E-09
6815	468807.17	3819529.03	2.96E-09	1.15E-08	1.52E-10	1.46E-08	2.47E-09	8.45E-09	1.09E-10	1.10E-08	2.80E-10	1.48E-09	2.60E-11	1.79E-09	2.54E-10	7.75E-10	7.86E-12	1.04E-09
6816	468803.65	3819520.07	2.92E-09	1.13E-08	1.50E-10	1.44E-08	2.43E-09	8.32E-09	1.08E-10	1.09E-08	2.76E-10	1.46E-09	2.56E-11	1.76E-09	2.51E-10	7.63E-10	7.74E-12	1.02E-09
6817	468800.13	3819511.12	2.88E-09	1.12E-08	1.48E-10	1.42E-08	2.40E-09	8.22E-09	1.06E-10	1.07E-08	2.72E-10	1.44E-09	2.53E-11	1.74E-09	2.48E-10	7.54E-10	7.64E-12	1.01E-09
6818	468796.62	3819502.17	2.85E-09	1.11E-08	1.46E-10	1.41E-08	2.37E-09	8.12E-09	1.05E-10	1.06E-08	2.69E-10	1.42E-09	2.50E-11	1.72E-09	2.45E-10	7.45E-10	7.56E-12	9.97E-10
6819	468793.1	3819493.21	2.81E-09	1.09E-08	1.45E-10	1.39E-08	2.34E-09	8.02E-09	1.04E-10	1.05E-08	2.66E-10	1.41E-09	2.47E-11	1.70E-09	2.42E-10	7.36E-10	7.46E-12	9.85E-10
6820	468789.58	3819484.26	2.78E-09	1.08E-08	1.43E-10	1.37E-08	2.31E-09	7.92E-09	1.02E-10	1.03E-08	2.62E-10	1.39E-09	2.43E-11	1.67E-09	2.38E-10	7.26E-10	7.36E-12	9.72E-10
6821	468786.07	3819475.3	2.75E-09	1.06E-08	1.41E-10	1.35E-08	2.29E-09	7.82E-09	1.01E-10	1.02E-08	2.59E-10	1.37E-09	2.41E-11	1.65E-09	2.36E-10	7.18E-10	7.28E-12	9.61E-10
6822	468782.55	3819466.35	2.72E-09	1.05E-08	1.40E-10	1.34E-08	2.26E-09	7.74E-09	1.00E-10	1.01E-08	2.56E-10	1.36E-09	2.38E-11	1.64E-09	2.33E-10	7.10E-10	7.20E-12	9.50E-10
6823	468779.03	3819457.39	2.69E-09	1.04E-08	1.38E-10	1.33E-08	2.24E-09	7.67E-09	9.92E-11	1.00E-08	2.54E-10	1.34E-09	2.36E-11	1.62E-09	2.31E-10	7.03E-10	7.13E-12	9.42E-10
6824	468775.52	3819448.44	2.67E-09	1.04E-08	1.37E-10	1.32E-08	2.22E-09	7.61E-09	9.84E-11	9.93E-09	2.52E-10	1.33E-09	2.34E-11	1.61E-09	2.29E-10	6.98E-10	7.08E-12	9.34E-10
6825	468772	3819439.48	2.64E-09	1.03E-08	1.36E-10	1.30E-08	2.20E-09	7.53E-09	9.75E-11	9.83E-09	2.50E-10	1.32E-09	2.32E-11	1.59E-09	2.27E-10	6.91E-10	7.01E-12	9.25E-10
6826	468768.49	3819430.53	2.62E-09	1.02E-08	1.35E-10	1.29E-08	2.18E-09	7.47E-09	9.67E-11	9.75E-09	2.48E-10	1.31E-09	2.30E-11	1.58E-09	2.25E-10	6.85E-10	6.95E-12	9.17E-10
6827	470086.05	3820788.27	2.90E-08	1.13E-07	1.49E-09	1.43E-07	2.42E-08	8.28E-08	1.07E-09	1.08E-07	2.74E-09	1.45E-08	2.54E-10	1.75E-08	2.49E-09	7.59E-09	7.70E-11	1.02E-08
6828	470095.74	3820788.41	2.89E-08	1.12E-07	1.48E-09	1.42E-07	2.40E-08	8.22E-08	1.06E-09	1.07E-07	2.72E-09	1.44E-08	2.53E-10	1.74E-08	2.48E-09	7.54E-09	7.65E-11	1.01E-08
6829	470105.44	3820788.54	2.87E-08	1.11E-07	1.47E-09	1.41E-07	2.39E-08	8.17E-08	1.06E-09	1.07E-07	2.71E-09	1.43E-08	2.51E-10	1.73E-08	2.46E-09	7.49E-09	7.60E-11	1.00E-08
6830	470115.14	3820788.68	2.85E-08	1.10E-07	1.46E-09	1.40E-07	2.37E-08	8.11E-08	1.05E-09	1.06E-07	2.69E-09	1.42E-08	2.49E-10	1.71E-08	2.44E-09	7.44E-09	7.54E-11	9.96E-09
6831	470124.84	3820788.81	2.83E-08	1.10E-07	1.45E-09	1.39E-07	2.35E-08	8.05E-08	1.04E-09	1.05E-07	2.67E-09	1.41E-08	2.48E-10	1.70E-08	2.43E-09	7.39E-09	7.49E-11	9.89E-09
6832	470134.53	3820788.95	2.80E-08	1.09E-07	1.44E-09	1.38E-07	2.34E-08	7.99E-08	1.03E-09	1.04E-07	2.65E-09	1.40E-08	2.46E-10	1.69E-08	2.41E-09	7.33E-09	7.43E-11	9.81E-09
6833	470144.23	3820789.08	2.78E-08	1.08E-07	1.43E-09	1.37E-07	2.32E-08	7.93E-08	1.03E-09	1.03E-07	2.63E-09	1.39E-08	2.44E-10	1.68E-08	2.39E-09	7.27E-09	7.38E-11	9.74E-09
6834	470153.93	3820789.22	2.76E-08	1.07E-07	1.42E-09	1.36E-07	2.30E-08	7.87E-08	1.02E-09	1.03E-07	2.61E-09	1.38E-08	2.42E-10	1.66E-08	2.37E-09	7.22E-09	7.32E-11	9.66E-09
6835	470163.62	3820789.35	2.74E-08	1.06E-07	1.41E-09	1.35E-07	2.28E-08	7.80E-08	1.01E-09	1.02E-07	2.59E-09	1.37E-08	2.40E-10	1.65E-08	2.35E-09	7.16E-09	7.26E-11	9.58E-09
6836	470173.32	3820789.49	2.72E-08	1.05E-07	1.40E-09	1.34E-07	2.26E-08	7.74E-08	1.00E-09	1.01E-07	2.56E-09	1.36E-08	2.38E-10	1.64E-08	2.33E-09	7.10E-09	7.20E-11	9.50E-09
6837	470183.02	3820789.62	2.69E-08	1.04E-07	1.38E-09	1.33E-07	2.24E-08	7.67E-08	9.93E-10	1.00E-07	2.54E-09	1.34E-08	2.36E-10	1.62E-08	2.31E-09	7.04E-09	7.14E-11	9.42E-09
6838	470192.72	3820789.76	2.67E-08	1.03E-07	1.37E-09	1.32E-07	2.22E-08	7.60E-08	9.84E-10	9.93E-08	2.52E-09	1.33E-08	2.34E-10	1.61E-08	2.29E-09	6.98E-09	7.07E-11	9.34E-09
6839	470202.41	3820789.89	2.65E-08	1.03E-07	1.36E-09	1.30E-07	2.20E-08	7.54E-08	9.76E-10	9.84E-08	2.50E-09	1.32E-08	2.32E-10	1.59E-08	2.27E-09	6.91E-09	7.01E-11	9.26E-09
6840	470212.11	3820790.03	2.62E-08	1.02E-07	1.35E-09	1.29E-07	2.18E-08	7.47E-08	9.67E-10	9.75E-08	2.48E-09	1.31E-08	2.30E-10	1.58E-08	2.25E-09	6.85E-09	6.95E-11	9.18E-09
6841	470221.81	3820790.16	2.60E-08	1.01E-07	1.34E-09	1.28E-07	2.16E-08	7.41E-08	9.58E-10	9.67E-08	2.45E-09	1.30E-08	2.28E-10	1.57E-08	2.23E-09	6.79E-09	6.89E-11	9.09E-09
6842	470231.51	3820790.3	2.58E-08	9.99E-08	1.32E-09	1.27E-07	2.15E-08	7.34E-08	9.50E-10	9.58E-08	2.43E-09	1.29E-08	2.26E-10	1.55E-08	2.21E-09	6.73E-09	6.83E-11	9.01E-09
6843	470241.2	3820790.43	2.55E-08	9.90E-08	1.31E-09	1.26E-07	2.13E-08	7.28E-08	9.42E-10	9.50E-08	2.41E-09	1.27E-08	2.24E-10	1.54E-08	2.19E-09	6.67E-09	6.77E-11	8.93E-09
6844	470250.9	3820790.57	2.53E-08	9.82E-08	1.30E-09	1.25E-07	2.11E-08	7.21E-08	9.33E-10	9.41E-08	2.39E-09	1.26E-08	2.22E-10	1.52E-08	2.17E-09	6.62E-09	6.71E-11	8.86E-09
6845	470260.6	3820790.7	2.51E-08	9.73E-08	1.29E-09	1.24E-07	2.09E-08	7.15E-08	9.25E-10	9.33E-08	2.37E-09	1.25E-08	2.20E-10	1.51E-08	2.15E-09	6.56E-09	6.65E-11	8.78E-09
6846	470076.07	3820864.43	2.67E-08	1.03E-07	1.37E-09	1.31E-07	2.22E-08	7.60E-08	9.83E-10	9.92E-08	2.52E-09	1.33E-08	2.34E-10	1.61E-08	2.29E-09	6.97E-09	7.07E-11	9.33E-09
6847	470067.21	3820860.6	2.69E-08	1.04E-07	1.38E-09	1.33E-07	2.24E-08	7.67E-08	9.92E-10	1.00E-07	2.54E-09	1.34E-08	2.36E-10	1.62E-08	2.31E-09	7.03E-09	7.13E-11	9.42E-09
6848	470058.35	3820856.77	2.72E-08	1.05E-07	1.40E-09	1.34E-07	2.26E-08	7.74E-08	1.00E-09	1.01E-07	2.56E-09	1.36E-08	2.38E-10	1.64E-08	2.33E-09	7.10E-09	7.20E-11	9.50E-09
6849	470049.49	3820852.94	2.74E-08	1.06E-07	1.41E-09	1.35E-07	2.28E-08	7.81E-08	1.01E-09	1.02E-07	2.59E-09	1.37E-08	2.40E-10	1.65E-08	2.35E-09	7.16E-09	7.26E-11	9.58E-09
6850	469969.75	3820818.45	2.91E-08	1.13E-07	1.50E-09	1.44E-07	2.43E-08	8.31E-08	1.07E-09	1.08E-07	2.75E-09	1.46E-08	2.55E-10	1.76E-08	2.50E-09	7.62E-09	7.73E-11	1.02E-08
6851	469960.89	3820814.62	2.93E-08	1.14E-07	1.50E-09	1.44E-07	2.44E-08	8.34E-08	1.08E-09	1.09E-07	2.77E-09	1.46E-08	2.57E-10	1.76E-08	2.51E-09	7.65E-09	7.76E-11	1.02E-08
6852	469952.03	3820810.79	2.94E-08	1.14E-07	1.51E-09	1.45E-07	2.45E-08	8.38E-08	1.08E-09	1.09E-07	2.78E-09	1.47E-08	2.58E-10	1.77E-08	2.52E-09	7.69E-09	7.80E-11	1.03E-08
6853	469943.17	3820806.96	2.95E-08	1.15E-07	1.52E-09	1.46E-07	2.46E-08	8.41E-08	1.09E-09	1.10E-07	2.79E-09	1.47E-08	2.59E-10	1.78E-08	2.53E-09	7.72E-09	7.83E-11	1.03E-08
6854	469934.31	3820803.13	2.96E-08	1.15E-07	1.52E-09	1.46E-07	2.47E-08	8.44E-08	1.09E-09	1.10E-07	2.80E-09	1.48E-08	2.60E-10	1.78E-08	2.54E-09	7.74E-09	7.85E-11	1.04E-08
6855	469925.45	3820799.3	2.97E-08	1.15E-07	1.53E-09	1.46E-07	2.48E-08	8.47E-08	1.10E-09	1.11E-07	2.81E-09	1.48E-08	2.60E-10	1.79E-08	2.55E-09	7.77E-09	7.88E-11	1.04E-08
6856	469916.59	3820795.46	2.98E-08	1.16E-07	1.53E-09	1.47E-07	2.48E-08	8.49E-08	1.10E-09	1.11E-07	2.81E-09	1.49E-08	2.61E-10	1.79E-08	2.56E-09	7.79E-09	7.90E-11	1.04E-08
6857	469907.73	3820791.63	2.98E-08	1.16E-07	1.53E-09	1.47E-07	2.49E-08	8.51E-08	1.10E-09	1.11E-07	2.82E-09	1.49E-08	2.62E-10	1.80E-08	2.56E-09	7.80E-09	7.91E-11	1.04E-08
6858	469898.87	3820787.8	2.99E-08	1.16E-07	1.54E-09	1.47E-07	2.49E-08	8.52E-08	1.10E-09	1.11E-07	2.82E-09	1.49E-08	2.62E-10	1.80E-08	2.57E-09	7.81E-09	7.92E-11	1.05E-08
6859	469890.01	3820783.97	2.99E-08	1.16E-07	1.54E-09	1.47E-07	2.49E-08	8.53E-08	1.10E-09	1.11E-07	2.82E-09	1.49E-08	2.62E-10	1.80E-08	2.57E-09	7.82E-09	7.93E-11	1.05E-08
6860	469881.15	3820780.14	2.99E-08	1.16E-07	1.54E-09	1.48E-07	2.49E-08	8.53E-08	1.10E-09	1.11E-07	2.83E-09	1.49E-08	2.62E-10	1.80E-08	2.57E-09	7.82E-09	7.93E-11	1.05E-08
6861	469872.29	3820776.31	2.99E-08	1.16E-07	1.54E-09	1.48E-07	2.49E-08	8.53E-08	1.10E-09	1.11E-07	2.83E-09	1.49E-08	2.62E-10	1.80E-08	2.57E-09	7.82E-09	7.93E-11	1.05E-08
6862	469863.42	3820772.48	2.99E-08	1.16E-07	1.54E-09	1.47E-07	2.49E-08	8.52E-08	1.10E-09	1.11E-07	2.82E-09	1.49E-08	2.62E-10	1.80E-08	2.57E-09	7.82E-09	7.93E-11	1.05E-08
6863	469854.56	3820768.64	2.99E-08	1.16E-07	1.53E-09	1.47E-07	2.49E-08	8.51E-08	1.10E-09	1.11E-07	2.82E-09	1.49E-08	2.62E-10	1.80E-08	2.56E-09	7.81E-09	7.92E-11	1.05E-08
6864	469845.7	3820764.81	2.98E-08	1.16E-07	1.53E-09	1.47E-07	2.48E-08	8.50E-08	1.10E-09	1.11E-07	2.82E-09	1.49E-08	2.61E-10	1.80E-08	2.56E-09	7.80E-09	7.91E-11	1.04E-08
6865	469836.84	3820760.98	2.98E-08	1.15E-07	1.53E-09	1.47E-07	2.48E-08	8.48E-08	1.10E-09	1.11E-07	2.81E-09	1.49E-08	2.61E-10	1.79E-08	2.56E-09	7.78E-09	7.89E-11	1.04E-08
6866	469827.98	3820757.15	2.97E-08	1.15E-07	1.53E-09	1.46E-07	2.47E-08	8.46E-08	1.10E-09	1.10E-07	2.80E-09	1.48E-08	2.60E-10	1.79E-08	2.55E-09	7.76E-09	7.87E-11	1.04E-08
6867	469819.12	3820753.32	2.96E-08	1.15E-07	1.52E-09	1.46E-07	2.47E-08	8.44E-08	1.09E-09	1.10E-07	2.80E-09	1.48E-08	2.60E-10	1.78E-08	2.54E-09	7.74E-09	7.85E-11	1.04E-08
6868	469810.26	3820749.49	2.95E-08	1.15E-07	1.52E-09	1.46E-07	2.46E-08	8.41E-08	1.09E-09	1.10E-07	2.79E-09	1.47E-08	2.59E-10	1.78E-08	2.53E-09	7.72E-09	7.83E-11	1.03E-08
6869	469801.4	3820745.66	2.94E-08	1.14E-07	1.51E-09	1.45E-07	2.45E-08	8.38E-08	1.09E-09	1.09E-07	2.78E-09	1.47E-08	2.58E-10	1.77E-08	2.53E-09	7.69E-09	7.80E-11	1.03E-08
6870	469792.54	3820741.82	2.93E-08	1.14E-07	1.51E-09	1.44E-07	2.44E-08	8.35E-08	1.08E-09	1.09E-07	2.77E-09	1.46E-08	2.57E-10	1.77E-08	2.52E-09	7.66E-09	7.77E-11	1.03E-08
6871	469783.68	3820737.99	2.92E-08	1.13E-07	1.50E-09	1.44E-07	2.43E-08	8.31E-08	1.08E-09	1.09E-07	2.76E-09	1.46E-08	2.56E-10	1.76E-08	2.50E-09	7.63E-09	7.73E-11	1.02E-08
6872	469774.82	3820734.16	2.90E-08	1.13E-07	1.49E-09	1.43E-07	2.42E-08	8.28E-08	1.07E-09	1.08E-07	2.74E-09	1.45E-08	2.54E-10	1.75E-08	2.49E-09	7.59E-09	7.70E-11	1.02E-08
6873	469765.96	3820730.33	2.89E-08	1.12E-07	1.48E-09	1.42E-07	2.41E-08	8.23E-08	1.07E-09	1.07E-07	2.73E-09	1.44E-08	2.53E-10	1.74E-08	2.48E-09	7.55E-09	7.66E-11	1.01E-08
6874	469757.1	3820726.5	2.87E-08	1.11E-07	1.48E-09	1.42E-07	2.39E-08	8.19E-08	1.06E-09	1.07E-07	2.71E-09	1.43E-08	2.52E-10	1.73E-08	2.47E-09	7.51E-09	7.62E-11	1.01E-08
6875	469748.24	3820722.67	2.86E-08	1.11E-07	1.47E-09	1.41E-07	2.38E-08	8.14E-08	1.05E-09	1.06E-07	2.70E-09	1.43E-08	2.50E-10	1.72E-08	2.45E-09	7.47E-09	7.57E-11	9.99E-09
6876	469739.38	3820718.84	2.84E-08	1.10E-07	1.46E-09	1.40E-07	2.36E-08	8.09E-08	1.05E-09	1.06E-07	2.68E-09	1.42E-08	2.49E-10	1.71E-08	2.44E-09	7.42E-09	7.53E-11	9.93E-09
6877	469730.52	3820715	2.82E-08	1.09E-07	1.45E-09	1.39E-07	2.35E-08	8.04E-08	1.04E-09	1.05E-07	2.66E-09	1.41E-08	2.47E-10	1.70E-08	2.42E-09	7.37E-09	7.48E-11	9.87E-09
6878	469721.66	3820711.17	2.80E-08	1.09E-07	1.44E-09	1.38E-07	2.33E-08	7.99E-08	1.03E-09	1.04E-07	2.65E-09	1.40E-08	2.46E-10	1.69E-08	2.41E-09	7.32E-09	7.43E-11	9.80E-09
6879	469712.8	3820707.34	2.78E-08	1.08E-07	1.43E-09	1.37E-07	2.32E-08	7.93E-08	1.03E-09	1.04E-07	2.63E-09	1.39E-08	2.44E-10	1.68E-08	2.39E-09	7.27E-09	7.38E-11	9.74E-09
6880	469703.94	3820703.51	2.76E-08	1.07E-07	1.42E-09	1.36E-07	2.30E-08	7.87E-08	1.02E-09	1.03E-07	2.61E-09	1.38E-08	2.42E-10	1.66E-08	2.37E-09	7.22E-09	7.32E-11	9.67E-09
6881	469624.2	3820669.03	2.57E-08	9.98E-08	1.32E-09	1.27E-07	2.14E-08	7.34E-08	9.49E-10	9.58E-08	2.43E-09	1.29E-08	2.26E-10	1.55E-08	2.21E-09	6.73E-09	6.82E-11	9.01E-09
6882	469615.33	3820665.2	2.55E-08	9.90E-08	1.31E-09	1.26E-07	2.13E-08	7.28E-08	9.42E-10	9.50E-08	2.41E-09	1.27E-08	2.24E-10	1.54E-08	2.19E-09	6.67E-09	6.77E-11	8.93E-09
6883	469606.47	3820661.36	2.53E-08	9.82E-08	1.30E-09	1.25E-07	2.11E-08	7.22E-08	9.34E-10	9.42E-08	2.39E-09	1.26E-08	2.22E-10	1.53E-08	2.17E-09	6.62E-09	6.71E-11	8.86E-09
6884	469597.61	3820657.53	2.51E-08	9.74E-08	1.29E-09	1.24E-07	2.09E-08	7.16E-08	9.26E-10	9.34E-08	2.37E-09	1.25E-08	2.20E-10	1.51E-08	2.16E-09	6.57E-09	6.66E-11	8.79E-09
6885	469588.75	3820653.7	2.49E-08	9.66E-08	1.28E-09	1.23E-07	2.07E-08	7.10E-08	9.19E-10	9.27E-08	2.35E-09	1.24E-08	2.18E-10	1.50E-08	2.14E-09	6.51E-09	6.60E-11	8.72E-09
6886	469579.89	3820649.87	2.47E-08	9.58E-08	1.27E-09	1.22E-07	2.06E-08	7.04E-08	9.11E-10	9.19E-08	2.33E-09	1.23E-08	2.16E-10	1.49E-08	2.12E-09	6.46E-09	6.55E-11	8.64E-09
6887	469571.03	3820646.04	2.45E-08	9.50E-08	1.26E-09	1.21E-07	2.04E-08	6.98E-08	9.03E-10	9.11E-08	2.31E-09	1.22E-08	2.15E-10	1.48E-08	2.10E-09	6.40E-09	6.49E-11	8.57E-09
6888	469562.17	3820642.21	2.43E-08	9.42E-08	1.25E-09	1.20E-07	2.02E-08	6.92E-08	8.96E-10	9.04E-08	2.29E-09	1.21E-08	2.13E-10	1.46E-08	2.09E-09	6.35E-09	6.44E-11	8.50E-09
6889	469553.31	3820638.38	2.41E-08	9.35E-08	1.24E-09	1.19E-07	2.01E-08	6.87E-08	8.89E-10	8.96E-08	2.28E-09	1.20E-08	2.11E-10	1.45E-08	2.07E-09	6.30E-09	6.39E-11	8.43E-09
6890	469544.45	3820634.54	2.39E-08	9.27E-08	1.23E-09	1.18E-07	1.99E-08	6.81E-08	8.82E-10	8.89E-08	2.26E-09	1.19E-08	2.10E-10	1.44E-08	2.05E-09	6.25E-09	6.34E-11	8.37E-09
6891	469535.59	3820630.71	2.37E-08	9.20E-08	1.22E-09	1.17E-07	1.98E-08	6.76E-08	8.75E-10	8.82E-08	2.24E-09	1.18E-08	2.08E-10	1.43E-08	2.04E-09	6.20E-09	6.29E-11	8.30E-09
6892	469526.73	3820626.88	2.35E-08	9.13E-08	1.21E-09	1.16E-07	1.96E-08	6.71E-08	8.68E-10	8.76E-08	2.22E-09	1.18E-08	2.06E-10	1.42E-08	2.02E-09	6.15E-09	6.24E-11	8.24E-09
6893	469517.87	3820623.05	2.34E-08	9.06E-08	1.20E-09	1.15E-07	1.95E-08	6.66E-08	8.61E-10	8.69E-08	2.21E-09	1.17E-08	2.05E-10	1.41E-08	2.01E-09	6.11E-09	6.19E-11	8.17E-09
6894	469509.01	3820619.22	2.32E-08	8.99E-08	1.19E-09	1.14E-07	1.93E-08	6.61E-08	8.55E-10	8.62E-08	2.19E-09	1.16E-08	2.03E-10	1.40E-08	1.99E-09	6.06E-09	6.14E-11	8.11E-09
6895	469500.15	3820615.39	2.30E-08	8.92E-08	1.18E-09	1.13E-07	1.92E-08	6.56E-08	8.48E-10	8.56E-08	2.17E-09	1.15E-08	2.02E-10	1.39E-08	1.97E-09	6.01E-09	6.10E-11	8.05E-09
6896	469491.29	3820611.56	2.28E-08	8.85E-08	1.17E-09	1.13E-07	1.90E-08	6.51E-08	8.42E-10	8.49E-08	2.16E-09	1.14E-08	2.00E-10	1.38E-08	1.96E-09	5.97E-09	6.05E-11	7.99E-09
6897	469482.43	3820607.72	2.27E-08	8.79E-08	1.16E-09	1.12E-07	1.89E-08	6.46E-08	8.36E-10	8.43E-08	2.14E-09	1.13E-08	1.99E-10	1.37E-08	1.95E-09	5.92E-09	6.01E-11	7.93E-09
6898	469473.57	3820603.89	2.25E-08	8.73E-08	1.16E-09	1.11E-07	1.87E-08	6.41E-08	8.30E-10	8.37E-08	2.12E-09	1.12E-08	1.97E-10	1.36E-08	1.93E-09	5.88E-09	5.97E-11	7.87E-09
6899	469464.71	3820600.06	2.24E-08	8.67E-08	1.15E-09	1.10E-07	1.86E-08	6.37E-08	8.24E-10	8.31E-08	2.11E-09	1.12E-08	1.96E-10	1.35E-08	1.92E-09	5.84E-09	5.93E-11	7.82E-09
6900	469455.85	3820596.23	2.22E-08	8.61E-08	1.14E-09	1.09E-07	1.85E-08	6.33E-08	8.19E-10	8.26E-08	2.10E-09	1.11E-08	1.95E-10	1.34E-08	1.91E-09	5.80E-09	5.88E-11	7.77E-09
6901	469446.99	3820592.4	2.20E-08	8.55E-08	1.13E-09	1.09E-07	1.84E-08	6.28E-08	8.13E-10	8.20E-08	2.08E-09	1.10E-08	1.93E-10	1.33E-08	1.89E-09	5.76E-09	5.85E-11	7.72E-09
6902	469438.13	3820588.57	2.19E-08	8.49E-08	1.13E-09	1.08E-07	1.82E-08	6.24E-08	8.08E-10	8.15E-08	2.07E-09	1.09E-08	1.92E-10	1.32E-08	1.88E-09	5.73E-09	5.81E-11	7.66E-09
6903	469429.27	3820584.73	2.18E-08	8.44E-08	1.12E-09	1.07E-07	1.81E-08	6.20E-08	8.02E-10	8.09E-08	2.05E-09	1.09E-08	1.91E-10	1.31E-08	1.87E-09	5.69E-09	5.77E-11	7.61E-09
6904	469420.41	3820580.9	2.16E-08	8.38E-08	1.11E-09	1.07E-07	1.80E-08	6.16E-08	7.97E-10	8.04E-08	2.04E-09	1.08E-08	1.89E-10	1.30E-08	1.86E-09	5.65E-09	5.73E-11	7.56E-09
6905	469411.55	3820577.07	2.15E-08	8.33E-08	1.10E-09	1.06E-07	1.79E-08	6.12E-08	7.92E-10	7.99E-08	2.03E-09	1.07E-08	1.88E-10	1.29E-08	1.84E-09	5.61E-09	5.69E-11	7.51E-09
6906	469402.69	3820573.24	2.13E-08	8.28E-08	1.10E-09	1.05E-07	1.78E-08	6.08E-08	7.87E-10	7.94E-08	2.02E-09	1.07E-08	1.87E-10	1.29E-08	1.83E-09	5.58E-09	5.66E-11	7.47E-09
6907	469393.83	3820569.41	2.12E-08	8.23E-08	1.09E-09	1.05E-07	1.77E-08	6.04E-08	7.82E-10	7.89E-08	2.00E-09	1.06E-08	1.86E-10	1.28E-08	1.82E-09	5.54E-09	5.62E-11	7.42E-09
6908	469384.97	3820565.58	2.11E-08	8.17E-08	1.08E-09	1.04E-07	1.76E-08	6.01E-08	7.77E-10	7.84E-08	1.99E-09	1.05E-08	1.85E-10	1.27E-08	1.81E-09	5.51E-09	5.59E-11	7

6909	469376.11	3820561.75	2.09E-08	8.12E-08	1.08E-09	1.03E-07	1.74E-08	5.97E-08	7.72E-10	7.79E-08	1.98E-09	1.05E-08	1.84E-10	1.26E-08	1.80E-09	5.48E-09	5.55E-11	7.33E-09
6910	469367.25	3820557.91	2.08E-08	8.07E-08	1.07E-09	1.03E-07	1.73E-08	5.93E-08	7.68E-10	7.74E-08	1.97E-09	1.04E-08	1.82E-10	1.25E-08	1.79E-09	5.44E-09	5.52E-11	7.28E-09
6911	469358.38	3820554.08	2.07E-08	8.02E-08	1.06E-09	1.02E-07	1.72E-08	5.89E-08	7.63E-10	7.69E-08	1.95E-09	1.03E-08	1.81E-10	1.25E-08	1.78E-09	5.41E-09	5.48E-11	7.24E-09
6912	469349.52	3820550.25	2.06E-08	7.97E-08	1.06E-09	1.01E-07	1.71E-08	5.86E-08	7.58E-10	7.65E-08	1.94E-09	1.03E-08	1.80E-10	1.24E-08	1.76E-09	5.37E-09	5.45E-11	7.19E-09
6913	469340.66	3820546.42	2.04E-08	7.92E-08	1.05E-09	1.01E-07	1.70E-08	5.82E-08	7.53E-10	7.60E-08	1.93E-09	1.02E-08	1.79E-10	1.23E-08	1.75E-09	5.34E-09	5.42E-11	7.15E-09
6914	469331.8	3820542.59	2.03E-08	7.87E-08	1.04E-09	1.00E-07	1.69E-08	5.79E-08	7.49E-10	7.55E-08	1.92E-09	1.01E-08	1.78E-10	1.22E-08	1.74E-09	5.31E-09	5.38E-11	7.10E-09
6915	469296.36	3820527.26	1.98E-08	7.68E-08	1.02E-09	9.76E-08	1.65E-08	5.64E-08	7.30E-10	7.36E-08	1.87E-09	9.88E-09	1.73E-10	1.19E-08	1.70E-09	5.17E-09	5.25E-11	6.93E-09
6916	469287.5	3820523.43	1.97E-08	7.63E-08	1.01E-09	9.69E-08	1.64E-08	5.60E-08	7.25E-10	7.31E-08	1.86E-09	9.82E-09	1.72E-10	1.18E-08	1.69E-09	5.14E-09	5.21E-11	6.88E-09
6917	469278.64	3820519.6	1.95E-08	7.58E-08	1.00E-09	9.63E-08	1.63E-08	5.57E-08	7.20E-10	7.27E-08	1.84E-09	9.75E-09	1.71E-10	1.18E-08	1.68E-09	5.11E-09	5.18E-11	6.83E-09
6918	469269.78	3820515.77	1.94E-08	7.52E-08	9.97E-10	9.56E-08	1.62E-08	5.53E-08	7.16E-10	7.22E-08	1.83E-09	9.69E-09	1.70E-10	1.17E-08	1.67E-09	5.07E-09	5.14E-11	6.79E-09
6919	469260.92	3820511.94	1.93E-08	7.47E-08	9.90E-10	9.50E-08	1.60E-08	5.49E-08	7.10E-10	7.17E-08	1.82E-09	9.62E-09	1.69E-10	1.16E-08	1.65E-09	5.04E-09	5.11E-11	6.74E-09
6920	469252.06	3820508.11	1.91E-08	7.42E-08	9.83E-10	9.43E-08	1.59E-08	5.45E-08	7.05E-10	7.11E-08	1.81E-09	9.55E-09	1.68E-10	1.15E-08	1.64E-09	5.00E-09	5.07E-11	6.69E-09
6921	469243.2	3820504.27	1.90E-08	7.36E-08	9.76E-10	9.36E-08	1.58E-08	5.41E-08	7.00E-10	7.06E-08	1.79E-09	9.48E-09	1.66E-10	1.14E-08	1.63E-09	4.96E-09	5.03E-11	6.64E-09
6922	469234.34	3820500.44	1.88E-08	7.31E-08	9.68E-10	9.29E-08	1.57E-08	5.37E-08	6.95E-10	7.01E-08	1.78E-09	9.41E-09	1.65E-10	1.14E-08	1.62E-09	4.93E-09	5.00E-11	6.59E-09
6923	469225.48	3820496.61	1.87E-08	7.25E-08	9.61E-10	9.22E-08	1.56E-08	5.33E-08	6.90E-10	6.96E-08	1.77E-09	9.34E-09	1.64E-10	1.13E-08	1.61E-09	4.89E-09	4.96E-11	6.54E-09
6924	469216.62	3820492.78	1.86E-08	7.20E-08	9.54E-10	9.15E-08	1.55E-08	5.29E-08	6.84E-10	6.90E-08	1.75E-09	9.27E-09	1.63E-10	1.12E-08	1.59E-09	4.85E-09	4.92E-11	6.49E-09
6925	469207.76	3820488.95	1.84E-08	7.14E-08	9.46E-10	9.08E-08	1.53E-08	5.25E-08	6.79E-10	6.85E-08	1.74E-09	9.19E-09	1.61E-10	1.11E-08	1.58E-09	4.81E-09	4.88E-11	6.44E-09
6926	469198.9	3820485.12	1.83E-08	7.08E-08	9.38E-10	9.00E-08	1.52E-08	5.21E-08	6.74E-10	6.79E-08	1.72E-09	9.12E-09	1.60E-10	1.10E-08	1.57E-09	4.77E-09	4.84E-11	6.39E-09
6927	469190.04	3820481.29	1.81E-08	7.03E-08	9.31E-10	8.93E-08	1.51E-08	5.16E-08	6.68E-10	6.74E-08	1.71E-09	9.04E-09	1.59E-10	1.09E-08	1.56E-09	4.74E-09	4.80E-11	6.34E-09
6928	469181.18	3820477.45	1.80E-08	6.97E-08	9.23E-10	8.85E-08	1.50E-08	5.12E-08	6.62E-10	6.68E-08	1.70E-09	8.97E-09	1.57E-10	1.08E-08	1.54E-09	4.69E-09	4.76E-11	6.28E-09
6929	469172.32	3820473.62	1.78E-08	6.91E-08	9.15E-10	8.78E-08	1.48E-08	5.07E-08	6.57E-10	6.62E-08	1.68E-09	8.89E-09	1.56E-10	1.07E-08	1.53E-09	4.65E-09	4.72E-11	6.23E-09
6930	469163.46	3820469.79	1.76E-08	6.85E-08	9.07E-10	8.70E-08	1.47E-08	5.03E-08	6.51E-10	6.56E-08	1.67E-09	8.81E-09	1.55E-10	1.06E-08	1.52E-09	4.61E-09	4.68E-11	6.18E-09
6931	469154.6	3820465.96	1.75E-08	6.78E-08	8.99E-10	8.62E-08	1.46E-08	4.98E-08	6.45E-10	6.51E-08	1.65E-09	8.73E-09	1.53E-10	1.05E-08	1.50E-09	4.57E-09	4.64E-11	6.12E-09
6932	469145.74	3820462.13	1.73E-08	6.72E-08	8.90E-10	8.54E-08	1.44E-08	4.94E-08	6.39E-10	6.44E-08	1.64E-09	8.65E-09	1.52E-10	1.04E-08	1.49E-09	4.53E-09	4.59E-11	6.06E-09
6933	469136.88	3820458.3	1.72E-08	6.66E-08	8.82E-10	8.46E-08	1.43E-08	4.89E-08	6.33E-10	6.38E-08	1.62E-09	8.57E-09	1.50E-10	1.03E-08	1.47E-09	4.49E-09	4.55E-11	6.01E-09
6934	469128.02	3820454.47	1.70E-08	6.59E-08	8.73E-10	8.38E-08	1.42E-08	4.84E-08	6.27E-10	6.32E-08	1.60E-09	8.48E-09	1.49E-10	1.02E-08	1.46E-09	4.44E-09	4.51E-11	5.95E-09
6935	469119.16	3820450.63	1.68E-08	6.53E-08	8.64E-10	8.29E-08	1.40E-08	4.79E-08	6.20E-10	6.26E-08	1.59E-09	8.40E-09	1.47E-10	1.01E-08	1.44E-09	4.40E-09	4.46E-11	5.89E-09
6936	469110.3	3820446.8	1.66E-08	6.46E-08	8.55E-10	8.21E-08	1.39E-08	4.74E-08	6.14E-10	6.19E-08	1.57E-09	8.31E-09	1.46E-10	1.00E-08	1.43E-09	4.35E-09	4.41E-11	5.83E-09
6937	469101.43	3820442.97	1.65E-08	6.39E-08	8.46E-10	8.12E-08	1.37E-08	4.69E-08	6.07E-10	6.13E-08	1.56E-09	8.22E-09	1.44E-10	9.92E-09	1.41E-09	4.31E-09	4.37E-11	5.76E-09
6938	469092.57	3820439.14	1.63E-08	6.32E-08	8.37E-10	8.03E-08	1.36E-08	4.64E-08	6.01E-10	6.06E-08	1.54E-09	8.13E-09	1.43E-10	9.81E-09	1.40E-09	4.26E-09	4.32E-11	5.70E-09
6939	469080.19	3820426.32	1.61E-08	6.23E-08	8.25E-10	7.92E-08	1.34E-08	4.58E-08	5.92E-10	5.97E-08	1.52E-09	8.02E-09	1.41E-10	9.68E-09	1.38E-09	4.20E-09	4.26E-11	5.62E-09
6940	469076.66	3820417.34	1.60E-08	6.21E-08	8.22E-10	7.89E-08	1.33E-08	4.56E-08	5.90E-10	5.95E-08	1.51E-09	7.99E-09	1.40E-10	9.64E-09	1.37E-09	4.18E-09	4.24E-11	5.60E-09
6941	469073.13	3820408.35	1.59E-08	6.18E-08	8.19E-10	7.86E-08	1.33E-08	4.54E-08	5.88E-10	5.93E-08	1.51E-09	7.96E-09	1.40E-10	9.61E-09	1.37E-09	4.17E-09	4.23E-11	5.58E-09
6942	469069.6	3820399.37	1.59E-08	6.16E-08	8.16E-10	7.83E-08	1.32E-08	4.53E-08	5.86E-10	5.91E-08	1.50E-09	7.93E-09	1.39E-10	9.57E-09	1.36E-09	4.15E-09	4.21E-11	5.56E-09
6943	469066.07	3820390.38	1.58E-08	6.13E-08	8.12E-10	7.79E-08	1.32E-08	4.51E-08	5.83E-10	5.88E-08	1.49E-09	7.89E-09	1.39E-10	9.52E-09	1.36E-09	4.13E-09	4.19E-11	5.53E-09
6944	469062.54	3820381.4	1.57E-08	6.10E-08	8.09E-10	7.76E-08	1.31E-08	4.48E-08	5.80E-10	5.85E-08	1.49E-09	7.86E-09	1.38E-10	9.48E-09	1.35E-09	4.11E-09	4.17E-11	5.51E-09
6945	469059.01	3820372.41	1.57E-08	6.07E-08	8.04E-10	7.72E-08	1.30E-08	4.46E-08	5.77E-10	5.82E-08	1.48E-09	7.82E-09	1.37E-10	9.43E-09	1.34E-09	4.09E-09	4.15E-11	5.48E-09
6946	469055.49	3820363.43	1.56E-08	6.04E-08	8.00E-10	7.68E-08	1.30E-08	4.44E-08	5.74E-10	5.79E-08	1.47E-09	7.78E-09	1.36E-10	9.38E-09	1.34E-09	4.07E-09	4.13E-11	5.45E-09
6947	469051.96	3820354.44	1.55E-08	6.01E-08	7.96E-10	7.63E-08	1.29E-08	4.41E-08	5.71E-10	5.76E-08	1.46E-09	7.73E-09	1.36E-10	9.33E-09	1.33E-09	4.05E-09	4.11E-11	5.42E-09
6948	469048.43	3820345.46	1.54E-08	5.97E-08	7.91E-10	7.59E-08	1.28E-08	4.39E-08	5.68E-10	5.73E-08	1.45E-09	7.69E-09	1.35E-10	9.27E-09	1.32E-09	4.02E-09	4.08E-11	5.39E-09
6949	469044.9	3820336.47	1.53E-08	5.93E-08	7.86E-10	7.54E-08	1.27E-08	4.36E-08	5.64E-10	5.69E-08	1.44E-09	7.64E-09	1.34E-10	9.22E-09	1.31E-09	4.00E-09	4.06E-11	5.35E-09
6950	469041.37	3820327.49	1.52E-08	5.89E-08	7.81E-10	7.49E-08	1.27E-08	4.33E-08	5.60E-10	5.65E-08	1.43E-09	7.59E-09	1.33E-10	9.15E-09	1.30E-09	3.97E-09	4.03E-11	5.32E-09
6951	469037.84	3820318.5	1.51E-08	5.85E-08	7.75E-10	7.44E-08	1.26E-08	4.30E-08	5.56E-10	5.61E-08	1.42E-09	7.53E-09	1.32E-10	9.09E-09	1.30E-09	3.94E-09	4.00E-11	5.28E-09
6952	469034.31	3820309.51	1.50E-08	5.81E-08	7.69E-10	7.38E-08	1.25E-08	4.27E-08	5.52E-10	5.57E-08	1.41E-09	7.48E-09	1.31E-10	9.02E-09	1.29E-09	3.91E-09	3.97E-11	5.24E-09
6953	469030.79	3820300.53	1.49E-08	5.76E-08	7.63E-10	7.32E-08	1.24E-08	4.23E-08	5.48E-10	5.53E-08	1.40E-09	7.42E-09	1.30E-10	8.95E-09	1.28E-09	3.88E-09	3.94E-11	5.20E-09
6954	469027.26	3820291.54	1.47E-08	5.72E-08	7.57E-10	7.27E-08	1.23E-08	4.20E-08	5.44E-10	5.48E-08	1.39E-09	7.36E-09	1.29E-10	8.88E-09	1.27E-09	3.85E-09	3.91E-11	5.16E-09
6955	469023.73	3820282.56	1.46E-08	5.67E-08	7.51E-10	7.20E-08	1.22E-08	4.16E-08	5.39E-10	5.44E-08	1.38E-09	7.30E-09	1.28E-10	8.80E-09	1.25E-09	3.82E-09	3.87E-11	5.11E-09
6956	469020.2	3820273.57	1.45E-08	5.62E-08	7.44E-10	7.14E-08	1.21E-08	4.13E-08	5.34E-10	5.39E-08	1.37E-09	7.23E-09	1.27E-10	8.72E-09	1.24E-09	3.79E-09	3.84E-11	5.07E-09
6957	469016.67	3820264.59	1.44E-08	5.57E-08	7.37E-10	7.07E-08	1.20E-08	4.09E-08	5.29E-10	5.34E-08	1.36E-09	7.17E-09	1.26E-10	8.65E-09	1.23E-09	3.75E-09	3.80E-11	5.02E-09
6958	469013.14	3820255.6	1.42E-08	5.51E-08	7.30E-10	7.01E-08	1.18E-08	4.05E-08	5.24E-10	5.29E-08	1.34E-09	7.10E-09	1.25E-10	8.57E-09	1.22E-09	3.72E-09	3.77E-11	4.97E-09
6959	469009.61	3820246.62	1.41E-08	5.46E-08	7.23E-10	6.94E-08	1.17E-08	4.01E-08	5.19E-10	5.24E-08	1.33E-09	7.03E-09	1.23E-10	8.48E-09	1.21E-09	3.68E-09	3.73E-11	4.93E-09
6960	469006.09	3820237.63	1.39E-08	5.40E-08	7.16E-10	6.87E-08	1.16E-08	3.97E-08	5.14E-10	5.18E-08	1.32E-09	6.95E-09	1.22E-10	8.39E-09	1.20E-09	3.64E-09	3.69E-11	4.87E-09
6961	469002.56	3820228.65	1.38E-08	5.35E-08	7.08E-10	6.80E-08	1.15E-08	3.93E-08	5.08E-10	5.13E-08	1.30E-09	6.88E-09	1.21E-10	8.30E-09	1.18E-09	3.60E-09	3.65E-11	4.82E-09
6962	468999.03	3820219.66	1.36E-08	5.29E-08	7.00E-10	6.72E-08	1.14E-08	3.88E-08	5.03E-10	5.07E-08	1.29E-09	6.81E-09	1.19E-10	8.21E-09	1.17E-09	3.56E-09	3.61E-11	4.77E-09
6963	468995.5	3820210.68	1.35E-08	5.23E-08	6.93E-10	6.64E-08	1.12E-08	3.84E-08	4.97E-10	5.01E-08	1.27E-09	6.73E-09	1.18E-10	8.12E-09	1.16E-09	3.52E-09	3.57E-11	4.72E-09
6964	468991.97	3820201.69	1.33E-08	5.17E-08	6.85E-10	6.57E-08	1.11E-08	3.80E-08	4.91E-10	4.96E-08	1.26E-09	6.65E-09	1.17E-10	8.03E-09	1.14E-09	3.48E-09	3.53E-11	4.66E-09
6965	468988.44	3820192.71	1.32E-08	5.10E-08	6.76E-10	6.49E-08	1.10E-08	3.75E-08	4.85E-10	4.90E-08	1.24E-09	6.57E-09	1.15E-10	7.93E-09	1.13E-09	3.44E-09	3.49E-11	4.61E-09
6966	468984.91	3820183.72	1.30E-08	5.04E-08	6.68E-10	6.41E-08	1.08E-08	3.70E-08	4.79E-10	4.84E-08	1.23E-09	6.49E-09	1.14E-10	7.83E-09	1.12E-09	3.40E-09	3.45E-11	4.55E-09
6967	468981.39	3820174.74	1.28E-08	4.98E-08	6.59E-10	6.33E-08	1.07E-08	3.66E-08	4.73E-10	4.77E-08	1.21E-09	6.41E-09	1.12E-10	7.73E-09	1.10E-09	3.35E-09	3.40E-11	4.49E-09
6968	468977.86	3820165.75	1.27E-08	4.91E-08	6.51E-10	6.24E-08	1.05E-08	3.61E-08	4.67E-10	4.71E-08	1.20E-09	6.32E-09	1.11E-10	7.63E-09	1.09E-09	3.31E-09	3.36E-11	4.43E-09
6969	468974.33	3820156.77	1.25E-08	4.85E-08	6.42E-10	6.16E-08	1.04E-08	3.56E-08	4.61E-10	4.65E-08	1.18E-09	6.24E-09	1.09E-10	7.53E-09	1.07E-09	3.27E-09	3.31E-11	4.37E-09
6970	468970.8	3820147.78	1.23E-08	4.78E-08	6.33E-10	6.07E-08	1.03E-08	3.51E-08	4.54E-10	4.58E-08	1.16E-09	6.15E-09	1.08E-10	7.42E-09	1.06E-09	3.22E-09	3.27E-11	4.31E-09
6971	468967.27	3820138.79	1.21E-08	4.71E-08	6.24E-10	5.99E-08	1.01E-08	3.46E-08	4.48E-10	4.52E-08	1.15E-09	6.06E-09	1.06E-10	7.32E-09	1.04E-09	3.17E-09	3.22E-11	4.25E-09
6972	468963.74	3820129.81	1.20E-08	4.64E-08	6.15E-10	5.90E-08	9.97E-09	3.41E-08	4.41E-10	4.45E-08	1.13E-09	5.97E-09	1.05E-10	7.21E-09	1.03E-09	3.13E-09	3.17E-11	4.19E-09
6973	468960.21	3820120.82	1.18E-08	4.57E-08	6.06E-10	5.81E-08	9.82E-09	3.36E-08	4.35E-10	4.38E-08	1.11E-09	5.89E-09	1.03E-10	7.10E-09	1.01E-09	3.08E-09	3.13E-11	4.12E-09
6974	468956.69	3820111.84	1.16E-08	4.50E-08	5.96E-10	5.72E-08	9.66E-09	3.31E-08	4.28E-10	4.32E-08	1.10E-09	5.79E-09	1.02E-10	6.99E-09	9.96E-10	3.03E-09	3.08E-11	4.06E-09
6975	468953.16	3820102.85	1.14E-08	4.43E-08	5.87E-10	5.63E-08	9.51E-09	3.25E-08	4.21E-10	4.25E-08	1.08E-09	5.70E-09	1.00E-10	6.88E-09	9.80E-10	2.98E-09	3.03E-11	3.99E-09
6976	468949.63	3820093.87	1.12E-08	4.36E-08	5.77E-10	5.54E-08	9.36E-09	3.20E-08	4.14E-10	4.18E-08	1.06E-09	5.61E-09	9.84E-11	6.77E-09	9.64E-10	2.94E-09	2.98E-11	3.93E-09
6977	468946.1	3820084.88	1.10E-08	4.28E-08	5.68E-10	5.45E-08	9.20E-09	3.15E-08	4.07E-10	4.11E-08	1.04E-09	5.52E-09	9.68E-11	6.65E-09	9.48E-10	2.89E-09	2.93E-11	3.87E-09
6978	468942.57	3820075.9	1.09E-08	4.21E-08	5.58E-10	5.35E-08	9.05E-09	3.10E-08	4.01E-10	4.04E-08	1.03E-09	5.42E-09	9.52E-11	6.54E-09	9.32E-10	2.84E-09	2.88E-11	3.80E-09
6979	468939.04	3820066.91	1.07E-08	4.14E-08	5.49E-10	5.26E-08	8.89E-09	3.04E-08	3.94E-10	3.97E-08	1.01E-09	5.33E-09	9.35E-11	6.43E-09	9.16E-10	2.79E-09	2.83E-11	3.74E-09
6980	468935.51	3820057.93	1.05E-08	4.07E-08	5.39E-10	5.17E-08	8.74E-09	2.99E-08	3.87E-10	3.90E-08	9.91E-10	5.24E-09	9.19E-11	6.32E-09	9.01E-10	2.74E-09	2.78E-11	3.67E-09
6981	468914.34	3820004.02	9.36E-09	3.63E-08	4.81E-10	4.62E-08	7.80E-09	2.67E-08	3.45E-10	3.48E-08	8.84E-10	4.67E-09	8.20E-11	5.64E-09	8.04E-10	2.45E-09	2.48E-11	3.28E-09
6982	468910.81	3819995.03	9.17E-09	3.56E-08	4.71E-10	4.52E-08	7.64E-09	2.61E-08	3.38E-10	3.41E-08	8.66E-10	4.58E-09	8.04E-11	5.52E-09	7.87E-10	2.40E-09	2.43E-11	3.21E-09
6983	468907.29	3819986.05	8.98E-09	3.48E-08	4.61E-10	4.43E-08	7.48E-09	2.56E-08	3.31E-10	3.34E-08	8.48E-10	4.48E-09	7.87E-11	5.41E-09	7.71E-10	2.35E-09	2.38E-11	3.14E-09
6984	468903.76	3819977.06	8.79E-09	3.41E-08	4.52E-10	4.33E-08	7.32E-09	2.50E-08	3.24E-10	3.27E-08	8.30E-10	4.39E-09	7.70E-11	5.29E-09	7.54E-10	2.30E-09	2.33E-11	3.08E-09
6985	468900.23	3819968.07	8.60E-09	3.34E-08	4.42E-10	4.24E-08	7.17E-09	2.45E-08	3.17E-10	3.20E-08	8.12E-10	4.30E-09	7.54E-11	5.18E-09	7.39E-10	2.25E-09	2.28E-11	3.01E-09
6986	468896.7	3819959.09	8.42E-09	3.27E-08	4.33E-10	4.15E-08	7.01E-09	2.40E-08	3.11E-10	3.13E-08	7.95E-10	4.20E-09	7.38E-11	5.07E-09	7.23E-10	2.20E-09	2.23E-11	2.95E-09
6987	468893.17	3819950.1	8.24E-09	3.20E-08	4.23E-10	4.06E-08	6.86E-09	2.35E-08	3.04E-10	3.06E-08	7.78E-10	4.11E-09	7.22E-11	4.96E-09	7.07E-10	2.15E-09	2.18E-11	2.88E-09
6988	468889.64	3819941.12	8.06E-09	3.13E-08	4.14E-10	3.97E-08	6.71E-09	2.30E-08	2.97E-10	3.00E-08	7.61E-10	4.02E-09	7.06E-11	4.86E-09	6.92E-10	2.11E-09	2.14E-11	2.82E-09
6989	468886.11	3819932.13	7.88E-09	3.06E-08	4.05E-10	3.89E-08	6.57E-09	2.25E-08	2.91E-10	2.93E-08	7.44E-10	3.94E-09	6.91E-11	4.75E-09	6.77E-10	2.06E-09	2.09E-11	2.76E-09
6990	468882.59	3819923.15	7.71E-09	2.99E-08	3.96E-10	3.80E-08	6.42E-09	2.20E-08	2.84E-10	2.87E-08	7.28E-10	3.85E-09	6.75E-11	4.64E-09	6.62E-10	2.02E-09	2.04E-11	2.70E-09
6991	468879.06	3819914.16	7.53E-09	2.92E-08	3.87E-10	3.71E-08	6.28E-09	2.15E-08	2.78E-10	2.80E-08	7.11E-10	3.76E-09	6.60E-11	4.54E-09	6.47E-10	1.97E-09	2.00E-11	2.64E-09
6992	468875.53	3819905.18	7.36E-09	2.86E-08	3.78E-10	3.63E-08	6.13E-09	2.10E-08	2.72E-10	2.74E-08	6.95E-10	3.68E-09	6.45E-11	4.44E-09	6.32E-10	1.92E-09	1.95E-11	2.58E-09
6993	468872	3819896.19	7.19E-09	2.79E-08	3.70E-10	3.55E-08	5.99E-09	2.05E-08	2.65E-10	2.68E-08	6.79E-10	3.59E-09	6.30E-11	4.33E-09	6.17E-10	1.88E-09	1.91E-11	2.52E-09
6994	468868.47	3819887.21	7.02E-09	2.72E-08	3.61E-10	3.46E-08	5.85E-09	2.00E-08	2.59E-10	2.61E-08	6.63E-10	3.51E-09	6.16E-11	4.23E-09	6.03E-10	1.84E-09	1.86E-11	2.46E-09
6995	468864.94	3819878.22	6.86E-09	2.66E-08	3.53E-10	3.38E-08	5.72E-09	1.96E-08	2.53E-10	2.55E-08	6.48E-10	3.43E-09	6.01E-11	4.13E-09	5.89E-10	1.79E-09	1.82E-11	2.40E-09
6996	468861.41	3819869.24	6.70E-09	2.60E-08	3.44E-10	3.30E-08	5.58E-09	1.91E-08	2.47E-10	2.49E-08	6.32E-10	3.34E-09	5.87E-11	4.04E-09	5.75E-10	1.75E-09	1.78E-11	2.34E-09
6997	468857.88	3819860.25	6.54E-09	2.54E-08	3.36E-10	3.22E-08	5.45E-09	1.86E-08	2.41E-10	2.43E-08	6.17E-10	3.26E-09	5.73E-11	3.94E-09	5.61E-10	1.71E-09	1.73E-11	2.29E-09
6998	468854.36	3819851.27	6.38E-09	2.47E-08	3.28E-10	3.15E-08	5.32E-09	1.82E-08	2.35E-10	2.37E-08	6.03E-10	3.19E-09	5.59E-11	3.84E-09	5.48E-10	1.67E-09	1.69E-11	2.23E-09
6999	468850.83	3819842.28	6.22E-09	2.41E-08	3.20E-10	3.07E-08	5.18E-09	1.77E-08	2.29E-10	2.31E-08	5.87E-10	3.11E-09	5.45E-11	3.75E-09	5.34E-10	1.63E-09	1.65E-11	2.18E-09
7000	468847.3	3819833.3	6.06E-09	2.35E-08	3.12E-10	2.99E-08	5.05E-09	1.73E-08	2.24E-10	2.26E-08	5.73E-10	3.03E-09	5.31E-11	3.65E-09	5.21E-10	1.59E-09	1.61E-11	2.12E-09
7001	468843.77	3819824.31	5.92E-09	2.29E-08	3.04E-10	2.92E-08	4.93E-09	1.69E-08	2.18E-10	2.20E-08	5.59E-10	2.95E-09	5.18E-11	3.56E-09	5.08E-10	1.55E-09	1.57E-11	2.07E-09
7002	468840.24	3819815.33	5.77E-09	2.24E-08	2.96E-10	2.84E-08	4.81E-09	1.64E-08	2.13E-10	2.15E-08	5.45E-10	2.88E-09	5.06E-11	3.48E-09	4.95E-10	1.51E-09	1.53E-11	2.02E-09
7003	468836.71	3819806.34	5.63E-09	2.18E-08	2.89E-10	2.77E-08	4.69E-09	1.60E-08	2.08E-10	2.09E-08	5.32E-10	2.81E-09	4.93E-11	3.39E-09	4.83E-10	1.47E-09	1.49E-11	1.97E-09
7004	468833.18	3819797.35	5.49E-09	2.13E-08	2.82E-10	2.71E-08	4.57E-09	1.56E-08	2.02E-10	2.04E-08	5.18E-10	2.74E-09	4.81E-11	3.31E-09	4.71E-10	1.44E-09	1.46E-11	1.

7005	468829.66	3819788.37	5.36E-09	2.08E-08	2.75E-10	2.64E-08	4.46E-09	1.53E-08	1.98E-10	1.99E-08	5.06E-10	2.67E-09	4.69E-11	3.23E-09	4.60E-10	1.40E-09	1.42E-11	1.87E-09
7006	468826.13	3819779.38	5.23E-09	2.03E-08	2.68E-10	2.58E-08	4.35E-09	1.49E-08	1.93E-10	1.94E-08	4.93E-10	2.61E-09	4.58E-11	3.15E-09	4.49E-10	1.37E-09	1.39E-11	1.83E-09
7007	468822.6	3819770.4	5.10E-09	1.98E-08	2.62E-10	2.51E-08	4.25E-09	1.45E-08	1.88E-10	1.90E-08	4.81E-10	2.55E-09	4.47E-11	3.07E-09	4.38E-10	1.33E-09	1.35E-11	1.78E-09
7008	468819.07	3819761.41	4.97E-09	1.93E-08	2.55E-10	2.45E-08	4.14E-09	1.42E-08	1.83E-10	1.85E-08	4.69E-10	2.48E-09	4.36E-11	2.99E-09	4.27E-10	1.30E-09	1.32E-11	1.74E-09
7009	468815.54	3819752.43	4.85E-09	1.88E-08	2.49E-10	2.39E-08	4.04E-09	1.38E-08	1.79E-10	1.80E-08	4.58E-10	2.42E-09	4.25E-11	2.92E-09	4.16E-10	1.27E-09	1.28E-11	1.70E-09
7010	468812.01	3819743.44	4.73E-09	1.83E-08	2.43E-10	2.33E-08	3.94E-09	1.35E-08	1.74E-10	1.76E-08	4.46E-10	2.36E-09	4.14E-11	2.85E-09	4.06E-10	1.24E-09	1.25E-11	1.65E-09
7011	468808.48	3819734.46	4.61E-09	1.79E-08	2.37E-10	2.27E-08	3.84E-09	1.31E-08	1.70E-10	1.71E-08	4.35E-10	2.30E-09	4.04E-11	2.78E-09	3.96E-10	1.21E-09	1.22E-11	1.61E-09
7012	468804.96	3819725.47	4.50E-09	1.74E-08	2.31E-10	2.22E-08	3.75E-09	1.28E-08	1.66E-10	1.67E-08	4.25E-10	2.25E-09	3.94E-11	2.71E-09	3.86E-10	1.18E-09	1.19E-11	1.57E-09
7013	468801.43	3819716.49	4.39E-09	1.70E-08	2.25E-10	2.16E-08	3.66E-09	1.25E-08	1.62E-10	1.63E-08	4.14E-10	2.19E-09	3.85E-11	2.64E-09	3.77E-10	1.15E-09	1.16E-11	1.54E-09
7014	468797.9	3819707.5	4.28E-09	1.66E-08	2.20E-10	2.11E-08	3.57E-09	1.22E-08	1.58E-10	1.59E-08	4.04E-10	2.14E-09	3.75E-11	2.58E-09	3.68E-10	1.12E-09	1.14E-11	1.50E-09
7015	468794.37	3819698.52	4.18E-09	1.62E-08	2.15E-10	2.06E-08	3.48E-09	1.19E-08	1.54E-10	1.56E-08	3.95E-10	2.09E-09	3.66E-11	2.52E-09	3.59E-10	1.09E-09	1.11E-11	1.46E-09
7016	468790.84	3819689.53	4.08E-09	1.58E-08	2.10E-10	2.01E-08	3.40E-09	1.16E-08	1.51E-10	1.52E-08	3.86E-10	2.04E-09	3.58E-11	2.46E-09	3.51E-10	1.07E-09	1.08E-11	1.43E-09
7017	468787.31	3819680.55	3.99E-09	1.55E-08	2.05E-10	1.96E-08	3.32E-09	1.14E-08	1.47E-10	1.48E-08	3.76E-10	1.99E-09	3.49E-11	2.40E-09	3.42E-10	1.04E-09	1.06E-11	1.39E-09
7018	468783.78	3819671.56	3.89E-09	1.51E-08	2.00E-10	1.92E-08	3.24E-09	1.11E-08	1.44E-10	1.45E-08	3.68E-10	1.94E-09	3.41E-11	2.35E-09	3.34E-10	1.02E-09	1.03E-11	1.36E-09
7019	468780.26	3819662.58	3.80E-09	1.48E-08	1.95E-10	1.87E-08	3.17E-09	1.08E-08	1.40E-10	1.41E-08	3.59E-10	1.90E-09	3.33E-11	2.29E-09	3.27E-10	9.94E-10	1.01E-11	1.33E-09
7020	468776.73	3819653.59	3.72E-09	1.44E-08	1.91E-10	1.83E-08	3.10E-09	1.06E-08	1.37E-10	1.38E-08	3.51E-10	1.86E-09	3.26E-11	2.24E-09	3.19E-10	9.71E-10	9.85E-12	1.30E-09
7021	468773.2	3819644.61	3.63E-09	1.41E-08	1.87E-10	1.79E-08	3.03E-09	1.04E-08	1.34E-10	1.35E-08	3.43E-10	1.81E-09	3.18E-11	2.19E-09	3.12E-10	9.50E-10	9.63E-12	1.27E-09
7022	468769.67	3819635.62	3.55E-09	1.38E-08	1.83E-10	1.75E-08	2.96E-09	1.01E-08	1.31E-10	1.32E-08	3.35E-10	1.77E-09	3.11E-11	2.14E-09	3.05E-10	9.29E-10	9.42E-12	1.24E-09
7023	468766.14	3819626.63	3.47E-09	1.35E-08	1.78E-10	1.71E-08	2.89E-09	9.90E-09	1.28E-10	1.29E-08	3.28E-10	1.73E-09	3.04E-11	2.09E-09	2.98E-10	9.08E-10	9.21E-12	1.22E-09
7024	468762.61	3819617.65	3.40E-09	1.32E-08	1.75E-10	1.68E-08	2.83E-09	9.69E-09	1.25E-10	1.26E-08	3.21E-10	1.70E-09	2.98E-11	2.05E-09	2.92E-10	8.89E-10	9.01E-12	1.19E-09
7025	468759.08	3819608.66	3.05E-09	1.18E-08	1.57E-10	1.51E-08	2.54E-09	8.70E-09	1.13E-10	1.14E-08	2.88E-10	1.52E-09	2.68E-11	1.84E-09	2.62E-10	7.98E-10	8.10E-12	1.07E-09
7026	468755.56	3819599.68	2.99E-09	1.16E-08	1.54E-10	1.48E-08	2.49E-09	8.53E-09	1.10E-10	1.11E-08	2.83E-10	1.49E-09	2.62E-11	1.80E-09	2.57E-10	7.82E-10	7.93E-12	1.05E-09
7027	468752.03	3819590.69	2.93E-09	1.14E-08	1.51E-10	1.44E-08	2.44E-09	8.35E-09	1.08E-10	1.09E-08	2.77E-10	1.46E-09	2.57E-11	1.77E-09	2.52E-10	7.66E-10	7.77E-12	1.03E-09
7028	468748.5	3819581.71	2.87E-09	1.11E-08	1.47E-10	1.41E-08	2.39E-09	8.18E-09	1.06E-10	1.07E-08	2.71E-10	1.43E-09	2.51E-11	1.73E-09	2.46E-10	7.50E-10	7.61E-12	1.00E-09
7029	468744.97	3819572.72	2.81E-09	1.09E-08	1.44E-10	1.39E-08	2.34E-09	8.01E-09	1.04E-10	1.05E-08	2.65E-10	1.40E-09	2.46E-11	1.69E-09	2.41E-10	7.35E-10	7.45E-12	9.84E-10
7030	468741.44	3819563.74	2.76E-09	1.07E-08	1.42E-10	1.36E-08	2.30E-09	7.86E-09	1.02E-10	1.03E-08	2.61E-10	1.38E-09	2.42E-11	1.66E-09	2.37E-10	7.21E-10	7.32E-12	9.66E-10
7031	468737.91	3819554.75	2.72E-09	1.05E-08	1.40E-10	1.34E-08	2.26E-09	7.74E-09	1.00E-10	1.01E-08	2.56E-10	1.36E-09	2.38E-11	1.64E-09	2.33E-10	7.10E-10	7.20E-12	9.50E-10
7032	468734.38	3819545.77	2.67E-09	1.04E-08	1.37E-10	1.32E-08	2.22E-09	7.61E-09	9.84E-11	9.93E-09	2.52E-10	1.33E-09	2.34E-11	1.61E-09	2.29E-10	6.98E-10	7.08E-12	9.34E-10
7033	468730.86	3819536.78	2.63E-09	1.02E-08	1.35E-10	1.29E-08	2.19E-09	7.48E-09	9.68E-11	9.77E-09	2.48E-10	1.31E-09	2.30E-11	1.58E-09	2.25E-10	6.86E-10	6.96E-12	9.19E-10
7034	468727.33	3819527.8	2.59E-09	1.00E-08	1.33E-10	1.27E-08	2.15E-09	7.37E-09	9.53E-11	9.62E-09	2.44E-10	1.29E-09	2.27E-11	1.56E-09	2.22E-10	6.76E-10	6.85E-12	9.05E-10
7035	468723.8	3819518.81	2.56E-09	9.93E-09	1.32E-10	1.26E-08	2.13E-09	7.30E-09	9.44E-11	9.52E-09	2.42E-10	1.28E-09	2.24E-11	1.54E-09	2.20E-10	6.69E-10	6.79E-12	8.96E-10
7036	468720.27	3819509.83	2.53E-09	9.83E-09	1.30E-10	1.25E-08	2.11E-09	7.22E-09	9.35E-11	9.43E-09	2.39E-10	1.27E-09	2.22E-11	1.53E-09	2.18E-10	6.63E-10	6.72E-12	8.87E-10
7037	468716.74	3819500.84	2.51E-09	9.74E-09	1.29E-10	1.24E-08	2.09E-09	7.16E-09	9.27E-11	9.35E-09	2.37E-10	1.25E-09	2.20E-11	1.51E-09	2.16E-10	6.57E-10	6.66E-12	8.79E-10
7038	468713.21	3819491.86	2.49E-09	9.65E-09	1.28E-10	1.23E-08	2.07E-09	7.09E-09	9.17E-11	9.25E-09	2.35E-10	1.24E-09	2.18E-11	1.50E-09	2.14E-10	6.50E-10	6.59E-12	8.70E-10
7039	468709.68	3819482.87	2.47E-09	9.56E-09	1.27E-10	1.22E-08	2.05E-09	7.03E-09	9.09E-11	9.17E-09	2.33E-10	1.23E-09	2.16E-11	1.49E-09	2.12E-10	6.44E-10	6.54E-12	8.63E-10
7040	468706.16	3819473.89	2.44E-09	9.48E-09	1.26E-10	1.20E-08	2.04E-09	6.96E-09	9.01E-11	9.09E-09	2.31E-10	1.22E-09	2.14E-11	1.47E-09	2.10E-10	6.39E-10	6.48E-12	8.55E-10
7041	468702.63	3819464.9	2.42E-09	9.39E-09	1.24E-10	1.19E-08	2.02E-09	6.90E-09	8.93E-11	9.01E-09	2.29E-10	1.21E-09	2.12E-11	1.46E-09	2.08E-10	6.33E-10	6.42E-12	8.47E-10
7042	468699.1	3819455.91	2.40E-09	9.32E-09	1.23E-10	1.18E-08	2.00E-09	6.85E-09	8.86E-11	8.94E-09	2.27E-10	1.20E-09	2.11E-11	1.45E-09	2.06E-10	6.28E-10	6.37E-12	8.41E-10
7043	468695.57	3819446.93	2.39E-09	9.27E-09	1.23E-10	1.18E-08	1.99E-09	6.81E-09	8.81E-11	8.89E-09	2.26E-10	1.19E-09	2.09E-11	1.44E-09	2.05E-10	6.24E-10	6.33E-12	8.36E-10
7044	468692.04	3819437.94	2.37E-09	9.19E-09	1.22E-10	1.17E-08	1.97E-09	6.76E-09	8.74E-11	8.82E-09	2.24E-10	1.18E-09	2.08E-11	1.43E-09	2.04E-10	6.20E-10	6.28E-12	8.30E-10
7045	468688.51	3819428.96	2.36E-09	9.14E-09	1.21E-10	1.16E-08	1.96E-09	6.71E-09	8.69E-11	8.76E-09	2.22E-10	1.18E-09	2.06E-11	1.42E-09	2.02E-10	6.16E-10	6.25E-12	8.24E-10
7046	470084.93	3820868.26	2.64E-08	1.02E-07	1.36E-09	1.30E-07	2.20E-08	7.52E-08	9.74E-10	9.82E-08	2.49E-09	1.32E-08	2.31E-10	1.59E-08	2.27E-09	6.90E-09	7.00E-11	9.24E-09
7047	470094.63	3820868.4	2.62E-08	1.02E-07	1.35E-09	1.29E-07	2.18E-08	7.48E-08	9.67E-10	9.76E-08	2.48E-09	1.31E-08	2.30E-10	1.58E-08	2.25E-09	6.86E-09	6.95E-11	9.18E-09
7048	470104.33	3820868.53	2.61E-08	1.01E-07	1.34E-09	1.28E-07	2.17E-08	7.42E-08	9.61E-10	9.69E-08	2.46E-09	1.30E-08	2.28E-10	1.57E-08	2.24E-09	6.81E-09	6.91E-11	9.12E-09
7049	470114.03	3820868.67	2.59E-08	1.00E-07	1.33E-09	1.28E-07	2.15E-08	7.37E-08	9.54E-10	9.62E-08	2.44E-09	1.29E-08	2.27E-10	1.56E-08	2.22E-09	6.76E-09	6.86E-11	9.05E-09
7050	470123.72	3820868.8	2.57E-08	9.96E-08	1.32E-09	1.27E-07	2.14E-08	7.32E-08	9.47E-10	9.55E-08	2.43E-09	1.28E-08	2.25E-10	1.55E-08	2.20E-09	6.71E-09	6.81E-11	8.99E-09
7051	470133.42	3820868.94	2.55E-08	9.89E-08	1.31E-09	1.26E-07	2.12E-08	7.27E-08	9.40E-10	9.48E-08	2.41E-09	1.27E-08	2.23E-10	1.54E-08	2.19E-09	6.66E-09	6.76E-11	8.92E-09
7052	470143.12	3820869.07	2.53E-08	9.81E-08	1.30E-09	1.25E-07	2.11E-08	7.21E-08	9.33E-10	9.41E-08	2.39E-09	1.26E-08	2.22E-10	1.52E-08	2.17E-09	6.61E-09	6.71E-11	8.85E-09
7053	470152.81	3820869.21	2.51E-08	9.74E-08	1.29E-09	1.24E-07	2.09E-08	7.15E-08	9.26E-10	9.34E-08	2.37E-09	1.25E-08	2.20E-10	1.51E-08	2.16E-09	6.56E-09	6.65E-11	8.78E-09
7054	470162.51	3820869.34	2.49E-08	9.66E-08	1.28E-09	1.23E-07	2.07E-08	7.10E-08	9.18E-10	9.26E-08	2.35E-09	1.24E-08	2.18E-10	1.50E-08	2.14E-09	6.51E-09	6.60E-11	8.71E-09
7055	470172.21	3820869.48	2.47E-08	9.58E-08	1.27E-09	1.22E-07	2.06E-08	7.04E-08	9.11E-10	9.19E-08	2.33E-09	1.23E-08	2.16E-10	1.49E-08	2.12E-09	6.46E-09	6.55E-11	8.64E-09
7056	470181.91	3820869.61	2.45E-08	9.50E-08	1.26E-09	1.21E-07	2.04E-08	6.98E-08	9.03E-10	9.11E-08	2.31E-09	1.22E-08	2.15E-10	1.48E-08	2.10E-09	6.40E-09	6.49E-11	8.57E-09
7057	470191.6	3820869.75	2.43E-08	9.42E-08	1.25E-09	1.20E-07	2.02E-08	6.92E-08	8.96E-10	9.03E-08	2.29E-09	1.21E-08	2.13E-10	1.46E-08	2.09E-09	6.35E-09	6.44E-11	8.50E-09
7058	470201.3	3820869.88	2.41E-08	9.34E-08	1.24E-09	1.19E-07	2.01E-08	6.86E-08	8.88E-10	8.96E-08	2.27E-09	1.20E-08	2.11E-10	1.45E-08	2.07E-09	6.29E-09	6.38E-11	8.43E-09
7059	470211	3820870.02	2.39E-08	9.26E-08	1.23E-09	1.18E-07	1.99E-08	6.80E-08	8.80E-10	8.88E-08	2.25E-09	1.19E-08	2.09E-10	1.44E-08	2.05E-09	6.24E-09	6.33E-11	8.35E-09
7060	470220.69	3820870.15	2.37E-08	9.18E-08	1.22E-09	1.17E-07	1.97E-08	6.74E-08	8.73E-10	8.80E-08	2.23E-09	1.18E-08	2.07E-10	1.43E-08	2.03E-09	6.19E-09	6.27E-11	8.28E-09
7061	470230.39	3820870.29	2.35E-08	9.10E-08	1.21E-09	1.16E-07	1.95E-08	6.69E-08	8.65E-10	8.73E-08	2.22E-09	1.17E-08	2.06E-10	1.41E-08	2.01E-09	6.13E-09	6.22E-11	8.21E-09
7062	470240.09	3820870.42	2.33E-08	9.02E-08	1.20E-09	1.15E-07	1.94E-08	6.63E-08	8.58E-10	8.65E-08	2.20E-09	1.16E-08	2.04E-10	1.40E-08	2.00E-09	6.08E-09	6.17E-11	8.14E-09
7063	470249.79	3820870.56	2.31E-08	8.94E-08	1.18E-09	1.14E-07	1.92E-08	6.57E-08	8.50E-10	8.58E-08	2.18E-09	1.15E-08	2.02E-10	1.39E-08	1.98E-09	6.03E-09	6.11E-11	8.07E-09
7064	470259.48	3820870.69	2.29E-08	8.87E-08	1.17E-09	1.13E-07	1.90E-08	6.51E-08	8.43E-10	8.50E-08	2.16E-09	1.14E-08	2.00E-10	1.38E-08	1.96E-09	5.98E-09	6.06E-11	8.00E-09
7065	470074.93	3820944.41	2.44E-08	9.45E-08	1.25E-09	1.20E-07	2.03E-08	6.94E-08	8.98E-10	9.06E-08	2.30E-09	1.22E-08	2.13E-10	1.47E-08	2.09E-09	6.37E-09	6.46E-11	8.52E-09
7066	470066.04	3820940.57	2.46E-08	9.53E-08	1.26E-09	1.21E-07	2.05E-08	7.01E-08	9.07E-10	9.14E-08	2.32E-09	1.23E-08	2.15E-10	1.48E-08	2.11E-09	6.43E-09	6.52E-11	8.60E-09
7067	470057.16	3820936.72	2.48E-08	9.62E-08	1.27E-09	1.22E-07	2.07E-08	7.07E-08	9.15E-10	9.23E-08	2.34E-09	1.24E-08	2.17E-10	1.49E-08	2.13E-09	6.49E-09	6.58E-11	8.68E-09
7068	470048.27	3820932.88	2.50E-08	9.71E-08	1.29E-09	1.23E-07	2.08E-08	7.13E-08	9.23E-10	9.31E-08	2.36E-09	1.25E-08	2.19E-10	1.51E-08	2.15E-09	6.54E-09	6.63E-11	8.76E-09
7069	470039.38	3820929.04	2.52E-08	9.79E-08	1.30E-09	1.24E-07	2.10E-08	7.19E-08	9.31E-10	9.39E-08	2.38E-09	1.26E-08	2.21E-10	1.52E-08	2.17E-09	6.60E-09	6.69E-11	8.83E-09
7070	470030.49	3820925.2	2.54E-08	9.87E-08	1.31E-09	1.25E-07	2.12E-08	7.25E-08	9.38E-10	9.46E-08	2.40E-09	1.27E-08	2.23E-10	1.53E-08	2.18E-09	6.65E-09	6.75E-11	8.90E-09
7071	470021.61	3820921.35	2.56E-08	9.95E-08	1.32E-09	1.26E-07	2.14E-08	7.31E-08	9.46E-10	9.54E-08	2.42E-09	1.28E-08	2.25E-10	1.55E-08	2.20E-09	6.70E-09	6.80E-11	8.97E-09
7072	469994.94	3820909.82	2.62E-08	1.02E-07	1.35E-09	1.29E-07	2.18E-08	7.47E-08	9.67E-10	9.75E-08	2.47E-09	1.31E-08	2.30E-10	1.58E-08	2.25E-09	6.85E-09	6.95E-11	9.17E-09
7073	469986.06	3820905.98	2.64E-08	1.02E-07	1.36E-09	1.30E-07	2.20E-08	7.52E-08	9.73E-10	9.81E-08	2.49E-09	1.32E-08	2.31E-10	1.59E-08	2.26E-09	6.89E-09	6.99E-11	9.23E-09
7074	469977.17	3820902.14	2.65E-08	1.03E-07	1.36E-09	1.31E-07	2.21E-08	7.56E-08	9.78E-10	9.87E-08	2.50E-09	1.32E-08	2.32E-10	1.60E-08	2.28E-09	6.93E-09	7.03E-11	9.28E-09
7075	469968.28	3820898.29	2.67E-08	1.03E-07	1.37E-09	1.31E-07	2.22E-08	7.60E-08	9.83E-10	9.92E-08	2.52E-09	1.33E-08	2.34E-10	1.61E-08	2.29E-09	6.97E-09	7.07E-11	9.33E-09
7076	469959.39	3820894.45	2.68E-08	1.04E-07	1.38E-09	1.32E-07	2.23E-08	7.63E-08	9.88E-10	9.96E-08	2.53E-09	1.34E-08	2.35E-10	1.61E-08	2.30E-09	7.00E-09	7.10E-11	9.37E-09
7077	469950.51	3820890.61	2.69E-08	1.04E-07	1.38E-09	1.33E-07	2.24E-08	7.67E-08	9.93E-10	1.00E-07	2.54E-09	1.34E-08	2.36E-10	1.62E-08	2.31E-09	7.04E-09	7.14E-11	9.42E-09
7078	469941.62	3820886.76	2.70E-08	1.05E-07	1.39E-09	1.33E-07	2.25E-08	7.70E-08	9.97E-10	1.01E-07	2.55E-09	1.35E-08	2.37E-10	1.63E-08	2.32E-09	7.07E-09	7.17E-11	9.46E-09
7079	469932.73	3820882.92	2.71E-08	1.05E-07	1.39E-09	1.34E-07	2.26E-08	7.73E-08	1.00E-09	1.01E-07	2.56E-09	1.36E-08	2.38E-10	1.64E-08	2.33E-09	7.09E-09	7.19E-11	9.50E-09
7080	469923.84	3820879.08	2.72E-08	1.06E-07	1.40E-09	1.34E-07	2.27E-08	7.76E-08	1.00E-09	1.01E-07	2.57E-09	1.36E-08	2.39E-10	1.64E-08	2.34E-09	7.12E-09	7.22E-11	9.53E-09
7081	469914.96	3820875.23	2.73E-08	1.06E-07	1.40E-09	1.35E-07	2.27E-08	7.78E-08	1.01E-09	1.02E-07	2.58E-09	1.36E-08	2.39E-10	1.65E-08	2.34E-09	7.14E-09	7.24E-11	9.56E-09
7082	469906.07	3820871.39	2.74E-08	1.06E-07	1.41E-09	1.35E-07	2.28E-08	7.80E-08	1.01E-09	1.02E-07	2.58E-09	1.37E-08	2.40E-10	1.65E-08	2.35E-09	7.16E-09	7.26E-11	9.58E-09
7083	469897.18	3820867.55	2.74E-08	1.06E-07	1.41E-09	1.35E-07	2.28E-08	7.82E-08	1.01E-09	1.02E-07	2.59E-09	1.37E-08	2.40E-10	1.65E-08	2.35E-09	7.17E-09	7.27E-11	9.60E-09
7084	469888.29	3820863.7	2.75E-08	1.07E-07	1.41E-09	1.35E-07	2.29E-08	7.83E-08	1.01E-09	1.02E-07	2.59E-09	1.37E-08	2.41E-10	1.65E-08	2.36E-09	7.18E-09	7.28E-11	9.61E-09
7085	469879.4	3820859.86	2.75E-08	1.07E-07	1.41E-09	1.35E-07	2.29E-08	7.83E-08	1.01E-09	1.02E-07	2.60E-09	1.37E-08	2.41E-10	1.66E-08	2.36E-09	7.18E-09	7.29E-11	9.62E-09
7086	469870.52	3820856.02	2.75E-08	1.07E-07	1.41E-09	1.36E-07	2.29E-08	7.84E-08	1.01E-09	1.02E-07	2.60E-09	1.37E-08	2.41E-10	1.66E-08	2.36E-09	7.19E-09	7.29E-11	9.62E-09
7087	469861.63	3820852.17	2.75E-08	1.07E-07	1.41E-09	1.36E-07	2.29E-08	7.84E-08	1.01E-09	1.02E-07	2.60E-09	1.37E-08	2.41E-10	1.66E-08	2.36E-09	7.19E-09	7.29E-11	9.62E-09
7088	469852.74	3820848.33	2.75E-08	1.07E-07	1.41E-09	1.35E-07	2.29E-08	7.83E-08	1.01E-09	1.02E-07	2.60E-09	1.37E-08	2.41E-10	1.66E-08	2.36E-09	7.18E-09	7.29E-11	9.62E-09
7089	469781.64	3820817.58	2.70E-08	1.05E-07	1.39E-09	1.33E-07	2.25E-08	7.70E-08	9.96E-10	1.00E-07	2.55E-09	1.35E-08	2.37E-10	1.63E-08	2.32E-09	7.06E-09	7.16E-11	9.45E-09
7090	469772.75	3820813.74	2.69E-08	1.04E-07	1.38E-09	1.33E-07	2.24E-08	7.67E-08	9.92E-10	1.00E-07	2.54E-09	1.34E-08	2.36E-10	1.62E-08	2.31E-09	7.03E-09	7.13E-11	9.41E-09
7091	469763.87	3820809.9	2.68E-08	1.04E-07	1.38E-09	1.32E-07	2.23E-08	7.63E-08	9.88E-10	9.96E-08	2.53E-09	1.34E-08	2.35E-10	1.61E-08	2.30E-09	7.00E-09	7.10E-11	9.37E-09
7092	469754.98	3820806.05	2.67E-08	1.03E-07	1.37E-09	1.31E-07	2.22E-08	7.60E-08	9.83E-10	9.92E-08	2.52E-09	1.33E-08	2.34E-10	1.61E-08	2.29E-09	6.97E-09	7.07E-11	9.33E-09
7093	469746.09	3820802.21	2.65E-08	1.03E-07	1.36E-09	1.31E-07	2.21E-08	7.56E-08	9.78E-10	9.87E-08	2.51E-09	1.32E-08	2.32E-10	1.60E-08	2.28E-09	6.94E-09	7.03E-11	9.28E-09
7094	469737.2	3820798.37	2.64E-08	1.02E-07	1.36E-09	1.30E-07	2.20E-08	7.52E-08	9.73E-10	9.82E-08	2.49E-09	1.32E-08	2.31E-10	1.59E-08	2.27E-09	6.90E-09	7.00E-11	9.23E-09
7095	469728.32	3820794.52	2.62E-08	1.02E-07	1.35E-09	1.29E-07	2.19E-08	7.48E-08	9.68E-10	9.76E-08	2.48E-09	1.31E-08	2.30E-10	1.58E-08	2.25E-09	6.86E-09	6.96E-11	9.18E-09
7096	469719.43	3820790.68	2.61E-08	1.01E-07	1.34E-09	1.29E-07	2.17E-08	7.43E-08	9.62E-10	9.70E-08	2.46E-09	1.30E-08	2.29E-10	1.57E-08	2.24E-09	6.82E-09	6.92E-11	9.13E-09
7097	469710.54	3820786.84	2.59E-08	1.01E-07	1.33E-09	1.28E-07	2.16E-08	7.39E-08	9.56E-10	9.64E-08	2.45E-09	1.29E-08	2.27E-10	1.56E-08	2.23E-09	6.78E-09	6.87E-11	9.07E-09
7098	469701.65	3820783	2.58E-08	9.99E-08	1.32E-09	1.27E-07	2.15E-08	7.34E-08	9.50E-10	9.58E-08	2.43E-09	1.29E-08	2.26E-10	1.55E-08	2.21E-09	6.73E-09	6.83E-11	9.01E-09
7099	469657.21	3820763.78	2.49E-08	9.64E-08	1.28E-09	1.23E-07	2.07E-08	7.08E-08	9.17E-10	9.25E-08	2.35E-09	1.24E-08	2.18E-10	1.50E-08	2.13E-09	6.50E-09	6.59E-11	8.70E-09
7100	469648.33	3820759.94	2.47E-08	9.57E-08	1.27E-09	1.22E-07	2.05E-08	7.03E-08	9.10E-10	9.17E-08	2.33E-09	1.23E-08	2.16E-10	1.49E-08	2.12E-09	6.45E-09	6.54E-11	8

7101	469639.44	3820756.09	2.45E-08	9.49E-08	1.26E-09	1.21E-07	2.04E-08	6.97E-08	9.02E-10	9.10E-08	2.31E-09	1.22E-08	2.14E-10	1.47E-08	2.10E-09	6.40E-09	6.49E-11	8.56E-09
7102	469630.55	3820752.25	2.43E-08	9.41E-08	1.25E-09	1.20E-07	2.02E-08	6.92E-08	8.95E-10	9.03E-08	2.29E-09	1.21E-08	2.13E-10	1.46E-08	2.08E-09	6.35E-09	6.43E-11	8.49E-09
7103	469621.66	3820748.41	2.41E-08	9.34E-08	1.24E-09	1.19E-07	2.01E-08	6.86E-08	8.88E-10	8.96E-08	2.27E-09	1.20E-08	2.11E-10	1.45E-08	2.07E-09	6.30E-09	6.38E-11	8.43E-09
7104	469612.78	3820744.56	2.39E-08	9.27E-08	1.23E-09	1.18E-07	1.99E-08	6.81E-08	8.81E-10	8.89E-08	2.26E-09	1.19E-08	2.09E-10	1.44E-08	2.05E-09	6.25E-09	6.33E-11	8.36E-09
7105	469603.89	3820740.72	2.37E-08	9.19E-08	1.22E-09	1.17E-07	1.97E-08	6.76E-08	8.74E-10	8.82E-08	2.24E-09	1.18E-08	2.08E-10	1.43E-08	2.04E-09	6.20E-09	6.28E-11	8.30E-09
7106	469595	3820736.88	2.35E-08	9.12E-08	1.21E-09	1.16E-07	1.96E-08	6.70E-08	8.67E-10	8.75E-08	2.22E-09	1.17E-08	2.06E-10	1.42E-08	2.02E-09	6.15E-09	6.23E-11	8.23E-09
7107	469586.11	3820733.03	2.33E-08	9.05E-08	1.20E-09	1.15E-07	1.94E-08	6.65E-08	8.60E-10	8.68E-08	2.20E-09	1.16E-08	2.04E-10	1.41E-08	2.00E-09	6.10E-09	6.19E-11	8.16E-09
7108	469577.23	3820729.19	2.31E-08	8.98E-08	1.19E-09	1.14E-07	1.93E-08	6.60E-08	8.54E-10	8.61E-08	2.19E-09	1.16E-08	2.03E-10	1.39E-08	1.99E-09	6.05E-09	6.14E-11	8.10E-09
7109	469568.34	3820725.35	2.30E-08	8.90E-08	1.18E-09	1.13E-07	1.91E-08	6.54E-08	8.47E-10	8.54E-08	2.17E-09	1.15E-08	2.01E-10	1.38E-08	1.97E-09	6.00E-09	6.09E-11	8.03E-09
7110	469559.45	3820721.5	2.28E-08	8.83E-08	1.17E-09	1.12E-07	1.90E-08	6.49E-08	8.40E-10	8.47E-08	2.15E-09	1.14E-08	2.00E-10	1.37E-08	1.95E-09	5.95E-09	6.04E-11	7.97E-09
7111	469550.56	3820717.66	2.26E-08	8.76E-08	1.16E-09	1.11E-07	1.88E-08	6.44E-08	8.33E-10	8.40E-08	2.13E-09	1.13E-08	1.98E-10	1.36E-08	1.94E-09	5.91E-09	5.99E-11	7.91E-09
7112	469541.68	3820713.82	2.24E-08	8.69E-08	1.15E-09	1.11E-07	1.87E-08	6.39E-08	8.27E-10	8.34E-08	2.12E-09	1.12E-08	1.96E-10	1.35E-08	1.92E-09	5.86E-09	5.94E-11	7.84E-09
7113	469532.79	3820709.97	2.22E-08	8.63E-08	1.14E-09	1.10E-07	1.85E-08	6.34E-08	8.20E-10	8.27E-08	2.10E-09	1.11E-08	1.95E-10	1.34E-08	1.91E-09	5.81E-09	5.90E-11	7.78E-09
7114	469523.9	3820706.13	2.21E-08	8.56E-08	1.13E-09	1.09E-07	1.84E-08	6.29E-08	8.14E-10	8.21E-08	2.08E-09	1.10E-08	1.93E-10	1.33E-08	1.89E-09	5.77E-09	5.85E-11	7.72E-09
7115	469515.01	3820702.29	2.19E-08	8.49E-08	1.13E-09	1.08E-07	1.82E-08	6.24E-08	8.08E-10	8.15E-08	2.07E-09	1.09E-08	1.92E-10	1.32E-08	1.88E-09	5.73E-09	5.81E-11	7.66E-09
7116	469506.12	3820698.44	2.17E-08	8.43E-08	1.12E-09	1.07E-07	1.81E-08	6.19E-08	8.01E-10	8.08E-08	2.05E-09	1.09E-08	1.90E-10	1.31E-08	1.87E-09	5.68E-09	5.76E-11	7.60E-09
7117	469497.24	3820694.6	2.16E-08	8.37E-08	1.11E-09	1.06E-07	1.80E-08	6.15E-08	7.96E-10	8.02E-08	2.04E-09	1.08E-08	1.89E-10	1.30E-08	1.85E-09	5.64E-09	5.72E-11	7.55E-09
7118	469488.35	3820690.76	2.14E-08	8.30E-08	1.10E-09	1.06E-07	1.78E-08	6.10E-08	7.90E-10	7.96E-08	2.02E-09	1.07E-08	1.88E-10	1.29E-08	1.84E-09	5.60E-09	5.68E-11	7.49E-09
7119	469479.46	3820686.91	2.13E-08	8.24E-08	1.09E-09	1.05E-07	1.77E-08	6.06E-08	7.84E-10	7.91E-08	2.01E-09	1.06E-08	1.86E-10	1.28E-08	1.82E-09	5.56E-09	5.64E-11	7.44E-09
7120	469355.04	3820633.11	1.94E-08	7.53E-08	9.97E-10	9.57E-08	1.62E-08	5.53E-08	7.16E-10	7.22E-08	1.83E-09	9.69E-09	1.70E-10	1.17E-08	1.67E-09	5.07E-09	5.15E-11	6.79E-09
7121	469346.15	3820629.27	1.93E-08	7.49E-08	9.92E-10	9.52E-08	1.61E-08	5.50E-08	7.12E-10	7.18E-08	1.82E-09	9.64E-09	1.69E-10	1.16E-08	1.66E-09	5.05E-09	5.12E-11	6.75E-09
7122	469337.26	3820625.42	1.92E-08	7.44E-08	9.86E-10	9.46E-08	1.60E-08	5.47E-08	7.08E-10	7.14E-08	1.81E-09	9.58E-09	1.68E-10	1.16E-08	1.65E-09	5.02E-09	5.09E-11	6.72E-09
7123	469328.37	3820621.58	1.91E-08	7.40E-08	9.80E-10	9.41E-08	1.59E-08	5.44E-08	7.04E-10	7.10E-08	1.80E-09	9.53E-09	1.67E-10	1.15E-08	1.64E-09	4.99E-09	5.06E-11	6.68E-09
7124	469319.48	3820617.74	1.90E-08	7.36E-08	9.75E-10	9.35E-08	1.58E-08	5.41E-08	7.00E-10	7.06E-08	1.79E-09	9.47E-09	1.66E-10	1.14E-08	1.63E-09	4.96E-09	5.03E-11	6.64E-09
7125	469310.6	3820613.89	1.89E-08	7.32E-08	9.69E-10	9.30E-08	1.57E-08	5.38E-08	6.96E-10	7.02E-08	1.78E-09	9.42E-09	1.65E-10	1.14E-08	1.62E-09	4.93E-09	5.00E-11	6.60E-09
7126	469301.71	3820610.05	1.88E-08	7.27E-08	9.64E-10	9.25E-08	1.56E-08	5.34E-08	6.92E-10	6.98E-08	1.77E-09	9.36E-09	1.64E-10	1.13E-08	1.61E-09	4.90E-09	4.97E-11	6.56E-09
7127	469292.82	3820606.21	1.86E-08	7.23E-08	9.58E-10	9.19E-08	1.55E-08	5.31E-08	6.88E-10	6.94E-08	1.76E-09	9.31E-09	1.63E-10	1.12E-08	1.60E-09	4.87E-09	4.94E-11	6.52E-09
7128	469283.93	3820602.36	1.85E-08	7.19E-08	9.52E-10	9.14E-08	1.54E-08	5.28E-08	6.84E-10	6.90E-08	1.75E-09	9.25E-09	1.62E-10	1.12E-08	1.59E-09	4.85E-09	4.91E-11	6.49E-09
7129	469275.05	3820598.52	1.84E-08	7.15E-08	9.47E-10	9.08E-08	1.53E-08	5.25E-08	6.80E-10	6.85E-08	1.74E-09	9.20E-09	1.61E-10	1.11E-08	1.58E-09	4.82E-09	4.89E-11	6.45E-09
7130	469266.16	3820594.68	1.83E-08	7.10E-08	9.41E-10	9.03E-08	1.53E-08	5.22E-08	6.76E-10	6.81E-08	1.73E-09	9.15E-09	1.61E-10	1.10E-08	1.57E-09	4.79E-09	4.86E-11	6.41E-09
7131	469257.27	3820590.83	1.82E-08	7.06E-08	9.36E-10	8.98E-08	1.52E-08	5.19E-08	6.72E-10	6.77E-08	1.72E-09	9.09E-09	1.60E-10	1.10E-08	1.56E-09	4.76E-09	4.83E-11	6.37E-09
7132	469248.38	3820586.99	1.81E-08	7.02E-08	9.30E-10	8.92E-08	1.51E-08	5.16E-08	6.68E-10	6.73E-08	1.71E-09	9.04E-09	1.59E-10	1.09E-08	1.55E-09	4.73E-09	4.80E-11	6.33E-09
7133	469239.5	3820583.15	1.80E-08	6.98E-08	9.24E-10	8.87E-08	1.50E-08	5.13E-08	6.64E-10	6.69E-08	1.70E-09	8.98E-09	1.58E-10	1.08E-08	1.54E-09	4.70E-09	4.77E-11	6.30E-09
7134	469230.61	3820579.3	1.79E-08	6.93E-08	9.19E-10	8.81E-08	1.49E-08	5.10E-08	6.59E-10	6.65E-08	1.69E-09	8.93E-09	1.57E-10	1.08E-08	1.53E-09	4.67E-09	4.74E-11	6.26E-09
7135	469221.72	3820575.46	1.78E-08	6.89E-08	9.13E-10	8.76E-08	1.48E-08	5.06E-08	6.55E-10	6.61E-08	1.68E-09	8.87E-09	1.56E-10	1.07E-08	1.53E-09	4.64E-09	4.71E-11	6.22E-09
7136	469212.83	3820571.62	1.76E-08	6.85E-08	9.07E-10	8.70E-08	1.47E-08	5.03E-08	6.51E-10	6.56E-08	1.67E-09	8.81E-09	1.55E-10	1.06E-08	1.52E-09	4.61E-09	4.68E-11	6.18E-09
7137	469203.95	3820567.77	1.75E-08	6.80E-08	9.01E-10	8.64E-08	1.46E-08	5.00E-08	6.47E-10	6.52E-08	1.66E-09	8.75E-09	1.54E-10	1.06E-08	1.51E-09	4.58E-09	4.65E-11	6.14E-09
7138	469195.06	3820563.93	1.74E-08	6.75E-08	8.95E-10	8.59E-08	1.45E-08	4.96E-08	6.42E-10	6.48E-08	1.64E-09	8.70E-09	1.53E-10	1.05E-08	1.50E-09	4.55E-09	4.62E-11	6.09E-09
7139	469186.17	3820560.09	1.73E-08	6.71E-08	8.89E-10	8.53E-08	1.44E-08	4.93E-08	6.38E-10	6.43E-08	1.63E-09	8.64E-09	1.52E-10	1.04E-08	1.48E-09	4.52E-09	4.59E-11	6.05E-09
7140	469177.28	3820556.24	1.72E-08	6.66E-08	8.83E-10	8.47E-08	1.43E-08	4.90E-08	6.33E-10	6.39E-08	1.62E-09	8.58E-09	1.51E-10	1.03E-08	1.47E-09	4.49E-09	4.55E-11	6.01E-09
7141	469168.4	3820552.4	1.71E-08	6.61E-08	8.76E-10	8.41E-08	1.42E-08	4.86E-08	6.29E-10	6.34E-08	1.61E-09	8.51E-09	1.49E-10	1.03E-08	1.46E-09	4.46E-09	4.52E-11	5.97E-09
7142	469159.51	3820548.56	1.69E-08	6.56E-08	8.70E-10	8.34E-08	1.41E-08	4.82E-08	6.24E-10	6.30E-08	1.60E-09	8.45E-09	1.48E-10	1.02E-08	1.45E-09	4.42E-09	4.49E-11	5.92E-09
7143	469150.62	3820544.71	1.68E-08	6.52E-08	8.63E-10	8.28E-08	1.40E-08	4.79E-08	6.20E-10	6.25E-08	1.59E-09	8.39E-09	1.47E-10	1.01E-08	1.44E-09	4.39E-09	4.45E-11	5.88E-09
7144	469141.73	3820540.87	1.67E-08	6.46E-08	8.56E-10	8.22E-08	1.39E-08	4.75E-08	6.15E-10	6.20E-08	1.57E-09	8.32E-09	1.46E-10	1.00E-08	1.43E-09	4.36E-09	4.42E-11	5.83E-09
7145	469132.85	3820537.03	1.65E-08	6.41E-08	8.50E-10	8.15E-08	1.38E-08	4.71E-08	6.10E-10	6.15E-08	1.56E-09	8.26E-09	1.45E-10	9.96E-09	1.42E-09	4.32E-09	4.38E-11	5.79E-09
7146	469123.96	3820533.18	1.64E-08	6.36E-08	8.43E-10	8.09E-08	1.37E-08	4.67E-08	6.05E-10	6.10E-08	1.55E-09	8.19E-09	1.44E-10	9.88E-09	1.41E-09	4.29E-09	4.35E-11	5.74E-09
7147	469115.07	3820529.34	1.63E-08	6.31E-08	8.36E-10	8.02E-08	1.36E-08	4.64E-08	6.00E-10	6.05E-08	1.54E-09	8.12E-09	1.43E-10	9.80E-09	1.40E-09	4.25E-09	4.31E-11	5.69E-09
7148	469106.18	3820525.5	1.61E-08	6.26E-08	8.29E-10	7.95E-08	1.34E-08	4.60E-08	5.95E-10	6.00E-08	1.52E-09	8.05E-09	1.41E-10	9.72E-09	1.38E-09	4.22E-09	4.28E-11	5.64E-09
7149	469097.29	3820521.65	1.60E-08	6.20E-08	8.21E-10	7.88E-08	1.33E-08	4.56E-08	5.90E-10	5.95E-08	1.51E-09	7.98E-09	1.40E-10	9.63E-09	1.37E-09	4.18E-09	4.24E-11	5.59E-09
7150	469088.41	3820517.81	1.58E-08	6.15E-08	8.14E-10	7.81E-08	1.32E-08	4.52E-08	5.84E-10	5.89E-08	1.50E-09	7.91E-09	1.39E-10	9.55E-09	1.36E-09	4.14E-09	4.20E-11	5.54E-09
7151	469079.52	3820513.97	1.57E-08	6.09E-08	8.07E-10	7.74E-08	1.31E-08	4.47E-08	5.79E-10	5.84E-08	1.48E-09	7.84E-09	1.38E-10	9.46E-09	1.35E-09	4.10E-09	4.16E-11	5.49E-09
7152	469070.63	3820510.12	1.56E-08	6.03E-08	7.99E-10	7.67E-08	1.30E-08	4.43E-08	5.74E-10	5.78E-08	1.47E-09	7.76E-09	1.36E-10	9.37E-09	1.34E-09	4.07E-09	4.12E-11	5.44E-09
7153	469061.74	3820506.28	1.54E-08	5.97E-08	7.91E-10	7.59E-08	1.28E-08	4.39E-08	5.68E-10	5.73E-08	1.45E-09	7.69E-09	1.35E-10	9.28E-09	1.32E-09	4.03E-09	4.08E-11	5.39E-09
7154	469052.86	3820502.44	1.53E-08	5.92E-08	7.84E-10	7.52E-08	1.27E-08	4.35E-08	5.63E-10	5.67E-08	1.44E-09	7.62E-09	1.34E-10	9.19E-09	1.31E-09	3.99E-09	4.04E-11	5.34E-09
7155	469043.97	3820498.6	1.51E-08	5.86E-08	7.76E-10	7.44E-08	1.26E-08	4.30E-08	5.57E-10	5.62E-08	1.43E-09	7.54E-09	1.32E-10	9.10E-09	1.30E-09	3.95E-09	4.00E-11	5.28E-09
7156	469035.08	3820494.75	1.49E-08	5.80E-08	7.68E-10	7.37E-08	1.24E-08	4.26E-08	5.51E-10	5.56E-08	1.41E-09	7.46E-09	1.31E-10	9.00E-09	1.28E-09	3.91E-09	3.96E-11	5.23E-09
7157	469022.65	3820481.9	1.47E-08	5.72E-08	7.57E-10	7.27E-08	1.23E-08	4.20E-08	5.44E-10	5.48E-08	1.39E-09	7.36E-09	1.29E-10	8.88E-09	1.27E-09	3.85E-09	3.91E-11	5.16E-09
7158	469019.11	3820472.88	1.47E-08	5.70E-08	7.55E-10	7.24E-08	1.22E-08	4.19E-08	5.42E-10	5.47E-08	1.39E-09	7.34E-09	1.29E-10	8.85E-09	1.26E-09	3.84E-09	3.90E-11	5.14E-09
7159	469015.58	3820463.87	1.46E-08	5.68E-08	7.52E-10	7.22E-08	1.22E-08	4.17E-08	5.40E-10	5.45E-08	1.38E-09	7.31E-09	1.28E-10	8.82E-09	1.26E-09	3.83E-09	3.88E-11	5.12E-09
7160	469012.04	3820454.86	1.46E-08	5.65E-08	7.49E-10	7.19E-08	1.21E-08	4.16E-08	5.38E-10	5.42E-08	1.38E-09	7.28E-09	1.28E-10	8.78E-09	1.25E-09	3.81E-09	3.87E-11	5.10E-09
7161	469008.5	3820445.84	1.45E-08	5.63E-08	7.46E-10	7.16E-08	1.21E-08	4.14E-08	5.35E-10	5.40E-08	1.37E-09	7.25E-09	1.27E-10	8.75E-09	1.25E-09	3.80E-09	3.85E-11	5.08E-09
7162	469004.96	3820436.83	1.45E-08	5.61E-08	7.43E-10	7.13E-08	1.20E-08	4.12E-08	5.33E-10	5.38E-08	1.36E-09	7.22E-09	1.27E-10	8.71E-09	1.24E-09	3.78E-09	3.83E-11	5.06E-09
7163	469001.42	3820427.82	1.44E-08	5.58E-08	7.39E-10	7.09E-08	1.20E-08	4.10E-08	5.30E-10	5.35E-08	1.36E-09	7.18E-09	1.26E-10	8.67E-09	1.23E-09	3.76E-09	3.81E-11	5.03E-09
7164	468997.88	3820418.81	1.43E-08	5.55E-08	7.35E-10	7.06E-08	1.19E-08	4.08E-08	5.28E-10	5.32E-08	1.35E-09	7.15E-09	1.25E-10	8.62E-09	1.23E-09	3.74E-09	3.79E-11	5.01E-09
7165	468994.34	3820409.79	1.42E-08	5.52E-08	7.31E-10	7.02E-08	1.19E-08	4.06E-08	5.25E-10	5.30E-08	1.34E-09	7.11E-09	1.25E-10	8.58E-09	1.22E-09	3.72E-09	3.77E-11	4.98E-09
7166	468990.8	3820400.78	1.42E-08	5.49E-08	7.27E-10	6.98E-08	1.18E-08	4.03E-08	5.22E-10	5.26E-08	1.34E-09	7.07E-09	1.24E-10	8.53E-09	1.21E-09	3.70E-09	3.75E-11	4.95E-09
7167	468987.26	3820391.77	1.41E-08	5.46E-08	7.23E-10	6.94E-08	1.17E-08	4.01E-08	5.19E-10	5.23E-08	1.33E-09	7.02E-09	1.23E-10	8.48E-09	1.21E-09	3.68E-09	3.73E-11	4.92E-09
7168	468983.72	3820382.75	1.40E-08	5.42E-08	7.18E-10	6.89E-08	1.16E-08	3.98E-08	5.15E-10	5.20E-08	1.32E-09	6.98E-09	1.22E-10	8.42E-09	1.20E-09	3.65E-09	3.71E-11	4.89E-09
7169	468980.18	3820373.74	1.39E-08	5.39E-08	7.13E-10	6.85E-08	1.16E-08	3.96E-08	5.12E-10	5.17E-08	1.31E-09	6.93E-09	1.22E-10	8.37E-09	1.19E-09	3.63E-09	3.68E-11	4.86E-09
7170	468976.64	3820364.73	1.38E-08	5.35E-08	7.08E-10	6.80E-08	1.15E-08	3.93E-08	5.09E-10	5.13E-08	1.30E-09	6.88E-09	1.21E-10	8.31E-09	1.18E-09	3.60E-09	3.66E-11	4.82E-09
7171	468973.1	3820355.71	1.37E-08	5.31E-08	7.03E-10	6.75E-08	1.14E-08	3.90E-08	5.05E-10	5.09E-08	1.29E-09	6.83E-09	1.20E-10	8.25E-09	1.17E-09	3.58E-09	3.63E-11	4.79E-09
7172	468969.56	3820346.7	1.36E-08	5.27E-08	6.98E-10	6.69E-08	1.13E-08	3.87E-08	5.01E-10	5.05E-08	1.28E-09	6.78E-09	1.19E-10	8.18E-09	1.17E-09	3.55E-09	3.60E-11	4.75E-09
7173	468966.02	3820337.69	1.35E-08	5.23E-08	6.92E-10	6.64E-08	1.12E-08	3.84E-08	4.97E-10	5.01E-08	1.27E-09	6.73E-09	1.18E-10	8.12E-09	1.16E-09	3.52E-09	3.57E-11	4.72E-09
7174	468962.48	3820328.68	1.34E-08	5.18E-08	6.87E-10	6.59E-08	1.11E-08	3.81E-08	4.93E-10	4.97E-08	1.26E-09	6.67E-09	1.17E-10	8.05E-09	1.15E-09	3.49E-09	3.54E-11	4.68E-09
7175	468958.94	3820319.66	1.32E-08	5.14E-08	6.81E-10	6.53E-08	1.10E-08	3.77E-08	4.89E-10	4.93E-08	1.25E-09	6.61E-09	1.16E-10	7.98E-09	1.14E-09	3.46E-09	3.51E-11	4.64E-09
7176	468955.4	3820310.65	1.31E-08	5.09E-08	6.74E-10	6.47E-08	1.09E-08	3.74E-08	4.84E-10	4.88E-08	1.24E-09	6.55E-09	1.15E-10	7.91E-09	1.13E-09	3.43E-09	3.48E-11	4.59E-09
7177	468951.87	3820301.64	1.30E-08	5.04E-08	6.68E-10	6.41E-08	1.08E-08	3.71E-08	4.80E-10	4.84E-08	1.23E-09	6.49E-09	1.14E-10	7.84E-09	1.12E-09	3.40E-09	3.45E-11	4.55E-09
7178	468948.33	3820292.62	1.29E-08	5.00E-08	6.62E-10	6.35E-08	1.07E-08	3.67E-08	4.75E-10	4.79E-08	1.22E-09	6.43E-09	1.13E-10	7.76E-09	1.11E-09	3.37E-09	3.42E-11	4.51E-09
7179	468944.79	3820283.61	1.28E-08	4.95E-08	6.55E-10	6.29E-08	1.06E-08	3.64E-08	4.70E-10	4.74E-08	1.20E-09	6.37E-09	1.12E-10	7.68E-09	1.09E-09	3.33E-09	3.38E-11	4.46E-09
7180	468941.25	3820274.6	1.26E-08	4.90E-08	6.49E-10	6.22E-08	1.05E-08	3.60E-08	4.66E-10	4.70E-08	1.19E-09	6.30E-09	1.11E-10	7.61E-09	1.08E-09	3.30E-09	3.35E-11	4.42E-09
7181	468937.71	3820265.59	1.25E-08	4.84E-08	6.42E-10	6.16E-08	1.04E-08	3.56E-08	4.61E-10	4.65E-08	1.18E-09	6.24E-09	1.09E-10	7.52E-09	1.07E-09	3.27E-09	3.31E-11	4.37E-09
7182	468934.17	3820256.57	1.24E-08	4.79E-08	6.35E-10	6.09E-08	1.03E-08	3.52E-08	4.56E-10	4.60E-08	1.17E-09	6.17E-09	1.08E-10	7.44E-09	1.06E-09	3.23E-09	3.28E-11	4.32E-09
7183	468930.63	3820247.56	1.22E-08	4.74E-08	6.28E-10	6.02E-08	1.02E-08	3.48E-08	4.51E-10	4.54E-08	1.15E-09	6.10E-09	1.07E-10	7.36E-09	1.05E-09	3.19E-09	3.24E-11	4.27E-09
7184	468927.09	3820238.55	1.21E-08	4.68E-08	6.20E-10	5.95E-08	1.01E-08	3.44E-08	4.45E-10	4.49E-08	1.14E-09	6.03E-09	1.06E-10	7.27E-09	1.04E-09	3.16E-09	3.20E-11	4.23E-09
7185	468923.55	3820229.53	1.19E-08	4.63E-08	6.13E-10	5.88E-08	9.94E-09	3.40E-08	4.40E-10	4.44E-08	1.13E-09	5.96E-09	1.05E-10	7.19E-09	1.02E-09	3.12E-09	3.16E-11	4.17E-09
7186	468920.01	3820220.52	1.18E-08	4.57E-08	6.05E-10	5.81E-08	9.82E-09	3.36E-08	4.35E-10	4.38E-08	1.11E-09	5.88E-09	1.03E-10	7.10E-09	1.01E-09	3.08E-09	3.12E-11	4.12E-09
7187	468916.47	3820211.51	1.16E-08	4.51E-08	5.98E-10	5.74E-08	9.69E-09	3.32E-08	4.29E-10	4.33E-08	1.10E-09	5.81E-09	1.02E-10	7.01E-09	9.99E-10	3.04E-09	3.09E-11	4.07E-09
7188	468912.93	3820202.5	1.15E-08	4.45E-08	5.90E-10	5.66E-08	9.57E-09	3.27E-08	4.24E-10	4.27E-08	1.08E-09	5.73E-09	1.01E-10	6.92E-09	9.86E-10	3.00E-09	3.04E-11	4.02E-09
7189	468909.39	3820193.48	1.13E-08	4.40E-08	5.83E-10	5.59E-08	9.44E-09	3.23E-08	4.18E-10	4.22E-08	1.07E-09	5.66E-09	9.93E-11	6.83E-09	9.73E-10	2.96E-09	3.01E-11	3.97E-09
7190	468905.85	3820184.47	1.12E-08	4.34E-08	5.74E-10	5.51E-08	9.31E-09	3.19E-08	4.12E-10	4.16E-08	1.06E-09	5.58E-09	9.80E-11	6.74E-09	9.60E-10	2.92E-09	2.96E-11	3.91E-09
7191	468902.31	3820175.46	1.10E-08	4.28E-08	5.67E-10	5.44E-08	9.19E-09	3.14E-08	4.07E-10	4.10E-08	1.04E-09	5.51E-09	9.66E-11	6.64E-09	9.47E-10	2.88E-09	2.92E-11	3.86E-09
7192	468898.77	3820166.44	1.09E-08	4.22E-08	5.58E-10	5.36E-08	9.05E-09	3.10E-08	4.01E-10	4.04E-08	1.03E-09	5.43E-09	9.52E-11	6.55E-09	9.33E-10	2.84E-09	2.88E-11	3.80E-09
7193	468895.23	3820157.43	1.07E-08	4.15E-08	5.50E-10	5.28E-08	8.92E-09	3.05E-08	3.95E-10	3.98E-08	1.01E-09	5.35E-09	9.39E-11	6.45E-09	9.20E-10	2.80E-09	2.84E-11	3.75E-09
7194	468891.7	3820148.42	1.05E-08	4.09E-08	5.42E-10	5.20E-08	8.79E-09	3.01E-08	3.89E-10	3.92E-08	9.96E-10	5.27E-09	9.24E-11	6.35E-09	9.06E-10	2.76E-09	2.80E-11	3.69E-09
7195	468888.16	3820139.41	1.04E-08	4.03E-08	5.33E-10	5.12E-08	8.65E-09	2.96E-08	3.83E-10	3.86E-08	9.80E-10	5.18E-09	9.10E-11	6.25E-09	8.91E-10	2.71E-09	2.75E-11	3.63E-09
7196	468884.62	3820130.39	1.02E-08	3.96E-08	5.25E-10	5.04E-08	8.51E-09	2.91E-08	3.77E-10	3.80E-08	9.65E-10	5.10E-09	8.95E-11	6.16E-09	8.77E-10	2.67E-09	2.71E-11

7197	468881.08	3820121.38	1.01E-08	3.90E-08	5.17E-10	4.96E-08	8.38E-09	2.87E-08	3.71E-10	3.74E-08	9.50E-10	5.02E-09	8.81E-11	6.06E-09	8.63E-10	2.63E-09	2.67E-11	3.52E-09
7198	468877.54	3820112.37	9.89E-09	3.84E-08	5.08E-10	4.88E-08	8.24E-09	2.82E-08	3.65E-10	3.68E-08	9.34E-10	4.94E-09	8.67E-11	5.96E-09	8.49E-10	2.59E-09	2.62E-11	3.46E-09
7199	468874	3820103.35	9.73E-09	3.77E-08	5.00E-10	4.79E-08	8.10E-09	2.77E-08	3.59E-10	3.62E-08	9.18E-10	4.86E-09	8.52E-11	5.86E-09	8.35E-10	2.54E-09	2.58E-11	3.40E-09
7200	468870.46	3820094.34	9.56E-09	3.71E-08	4.91E-10	4.71E-08	7.97E-09	2.73E-08	3.53E-10	3.56E-08	9.03E-10	4.77E-09	8.38E-11	5.76E-09	8.21E-10	2.50E-09	2.54E-11	3.35E-09
7201	468866.92	3820085.33	9.40E-09	3.65E-08	4.83E-10	4.63E-08	7.83E-09	2.68E-08	3.47E-10	3.50E-08	8.88E-10	4.69E-09	8.24E-11	5.66E-09	8.07E-10	2.46E-09	2.49E-11	3.29E-09
7202	468863.38	3820076.31	9.24E-09	3.58E-08	4.75E-10	4.55E-08	7.69E-09	2.63E-08	3.41E-10	3.44E-08	8.72E-10	4.61E-09	8.09E-11	5.56E-09	7.93E-10	2.41E-09	2.45E-11	3.23E-09
7203	468859.84	3820067.3	9.07E-09	3.52E-08	4.66E-10	4.47E-08	7.55E-09	2.58E-08	3.34E-10	3.37E-08	8.56E-10	4.53E-09	7.95E-11	5.46E-09	7.78E-10	2.37E-09	2.40E-11	3.17E-09
7204	468856.3	3820058.29	8.90E-09	3.45E-08	4.58E-10	4.39E-08	7.42E-09	2.54E-08	3.28E-10	3.31E-08	8.41E-10	4.45E-09	7.80E-11	5.36E-09	7.64E-10	2.33E-09	2.36E-11	3.12E-09
7205	468852.76	3820049.28	8.74E-09	3.39E-08	4.49E-10	4.31E-08	7.28E-09	2.49E-08	3.22E-10	3.25E-08	8.25E-10	4.36E-09	7.66E-11	5.27E-09	7.50E-10	2.29E-09	2.32E-11	3.06E-09
7206	468849.22	3820040.26	8.57E-09	3.33E-08	4.41E-10	4.23E-08	7.14E-09	2.44E-08	3.16E-10	3.19E-08	8.10E-10	4.28E-09	7.51E-11	5.17E-09	7.36E-10	2.24E-09	2.27E-11	3.00E-09
7207	468845.68	3820031.25	8.41E-09	3.26E-08	4.32E-10	4.15E-08	7.01E-09	2.40E-08	3.10E-10	3.13E-08	7.94E-10	4.20E-09	7.37E-11	5.07E-09	7.22E-10	2.20E-09	2.23E-11	2.94E-09
7208	468835.06	3820004.21	7.91E-09	3.07E-08	4.07E-10	3.90E-08	6.59E-09	2.25E-08	2.92E-10	2.94E-08	7.47E-10	3.95E-09	6.93E-11	4.77E-09	6.79E-10	2.07E-09	2.10E-11	2.77E-09
7209	468831.52	3819995.2	7.75E-09	3.01E-08	3.98E-10	3.82E-08	6.45E-09	2.21E-08	2.86E-10	2.88E-08	7.32E-10	3.87E-09	6.79E-11	4.67E-09	6.65E-10	2.03E-09	2.05E-11	2.71E-09
7210	468827.99	3819986.19	7.58E-09	2.94E-08	3.90E-10	3.74E-08	6.32E-09	2.16E-08	2.80E-10	2.82E-08	7.16E-10	3.79E-09	6.65E-11	4.57E-09	6.51E-10	1.98E-09	2.01E-11	2.65E-09
7211	468824.45	3819977.17	7.43E-09	2.88E-08	3.82E-10	3.66E-08	6.19E-09	2.12E-08	2.74E-10	2.76E-08	7.01E-10	3.71E-09	6.51E-11	4.48E-09	6.38E-10	1.94E-09	1.97E-11	2.60E-09
7212	468820.91	3819968.16	7.27E-09	2.82E-08	3.73E-10	3.58E-08	6.05E-09	2.07E-08	2.68E-10	2.70E-08	6.86E-10	3.63E-09	6.37E-11	4.38E-09	6.24E-10	1.90E-09	1.93E-11	2.54E-09
7213	468817.37	3819959.15	7.12E-09	2.76E-08	3.66E-10	3.51E-08	5.93E-09	2.03E-08	2.62E-10	2.65E-08	6.72E-10	3.55E-09	6.24E-11	4.29E-09	6.11E-10	1.86E-09	1.89E-11	2.49E-09
7214	468813.83	3819950.13	6.96E-09	2.70E-08	3.58E-10	3.43E-08	5.80E-09	1.98E-08	2.57E-10	2.59E-08	6.57E-10	3.47E-09	6.10E-11	4.19E-09	5.97E-10	1.82E-09	1.84E-11	2.44E-09
7215	468810.29	3819941.12	6.81E-09	2.64E-08	3.50E-10	3.36E-08	5.67E-09	1.94E-08	2.51E-10	2.53E-08	6.43E-10	3.40E-09	5.96E-11	4.10E-09	5.84E-10	1.78E-09	1.80E-11	2.38E-09
7216	468806.75	3819932.11	6.66E-09	2.58E-08	3.42E-10	3.28E-08	5.55E-09	1.90E-08	2.46E-10	2.48E-08	6.29E-10	3.32E-09	5.83E-11	4.01E-09	5.72E-10	1.74E-09	1.76E-11	2.33E-09
7217	468803.21	3819923.1	6.51E-09	2.52E-08	3.34E-10	3.21E-08	5.42E-09	1.85E-08	2.40E-10	2.42E-08	6.15E-10	3.25E-09	5.70E-11	3.92E-09	5.59E-10	1.70E-09	1.73E-11	2.28E-09
7218	468799.67	3819914.08	6.36E-09	2.47E-08	3.27E-10	3.14E-08	5.30E-09	1.81E-08	2.35E-10	2.37E-08	6.01E-10	3.18E-09	5.58E-11	3.83E-09	5.46E-10	1.66E-09	1.69E-11	2.23E-09
7219	468796.13	3819905.07	6.22E-09	2.41E-08	3.19E-10	3.07E-08	5.18E-09	1.77E-08	2.29E-10	2.31E-08	5.87E-10	3.10E-09	5.45E-11	3.75E-09	5.34E-10	1.63E-09	1.65E-11	2.18E-09
7220	468792.59	3819896.06	6.08E-09	2.36E-08	3.12E-10	3.00E-08	5.06E-09	1.73E-08	2.24E-10	2.26E-08	5.74E-10	3.03E-09	5.32E-11	3.66E-09	5.22E-10	1.59E-09	1.61E-11	2.13E-09
7221	468789.05	3819887.04	5.94E-09	2.30E-08	3.05E-10	2.93E-08	4.95E-09	1.69E-08	2.19E-10	2.21E-08	5.61E-10	2.96E-09	5.20E-11	3.58E-09	5.10E-10	1.55E-09	1.57E-11	2.08E-09
7222	468785.51	3819878.03	5.80E-09	2.25E-08	2.98E-10	2.86E-08	4.83E-09	1.65E-08	2.14E-10	2.16E-08	5.47E-10	2.89E-09	5.08E-11	3.49E-09	4.98E-10	1.52E-09	1.54E-11	2.03E-09
7223	468781.97	3819869.02	5.66E-09	2.19E-08	2.91E-10	2.79E-08	4.71E-09	1.61E-08	2.09E-10	2.10E-08	5.34E-10	2.82E-09	4.96E-11	3.41E-09	4.86E-10	1.48E-09	1.50E-11	1.98E-09
7224	468778.43	3819860	5.52E-09	2.14E-08	2.84E-10	2.72E-08	4.60E-09	1.57E-08	2.04E-10	2.05E-08	5.22E-10	2.76E-09	4.84E-11	3.33E-09	4.74E-10	1.44E-09	1.46E-11	1.93E-09
7225	468774.89	3819850.99	5.39E-09	2.09E-08	2.77E-10	2.66E-08	4.49E-09	1.54E-08	1.99E-10	2.00E-08	5.09E-10	2.69E-09	4.72E-11	3.25E-09	4.63E-10	1.41E-09	1.43E-11	1.89E-09
7226	468771.35	3819841.98	5.27E-09	2.04E-08	2.71E-10	2.60E-08	4.39E-09	1.50E-08	1.94E-10	1.96E-08	4.97E-10	2.63E-09	4.61E-11	3.17E-09	4.52E-10	1.38E-09	1.40E-11	1.84E-09
7227	468767.81	3819832.97	5.14E-09	1.99E-08	2.64E-10	2.53E-08	4.28E-09	1.46E-08	1.89E-10	1.91E-08	4.85E-10	2.57E-09	4.50E-11	3.10E-09	4.41E-10	1.34E-09	1.36E-11	1.80E-09
7228	468764.28	3819823.95	5.02E-09	1.95E-08	2.58E-10	2.47E-08	4.18E-09	1.43E-08	1.85E-10	1.87E-08	4.74E-10	2.51E-09	4.40E-11	3.02E-09	4.31E-10	1.31E-09	1.33E-11	1.76E-09
7229	468760.74	3819814.94	4.90E-09	1.90E-08	2.52E-10	2.41E-08	4.08E-09	1.40E-08	1.81E-10	1.82E-08	4.62E-10	2.45E-09	4.29E-11	2.95E-09	4.20E-10	1.28E-09	1.30E-11	1.71E-09
7230	468757.2	3819805.93	4.78E-09	1.85E-08	2.46E-10	2.36E-08	3.98E-09	1.36E-08	1.76E-10	1.78E-08	4.52E-10	2.39E-09	4.19E-11	2.88E-09	4.10E-10	1.25E-09	1.27E-11	1.67E-09
7231	468753.66	3819796.91	4.67E-09	1.81E-08	2.40E-10	2.30E-08	3.89E-09	1.33E-08	1.72E-10	1.74E-08	4.41E-10	2.33E-09	4.09E-11	2.81E-09	4.01E-10	1.22E-09	1.24E-11	1.63E-09
7232	468750.12	3819787.9	4.56E-09	1.77E-08	2.34E-10	2.25E-08	3.79E-09	1.30E-08	1.68E-10	1.69E-08	4.30E-10	2.27E-09	3.99E-11	2.74E-09	3.91E-10	1.19E-09	1.21E-11	1.59E-09
7233	468746.58	3819778.89	4.45E-09	1.72E-08	2.28E-10	2.19E-08	3.70E-09	1.27E-08	1.64E-10	1.65E-08	4.20E-10	2.22E-09	3.90E-11	2.68E-09	3.82E-10	1.16E-09	1.18E-11	1.56E-09
7234	468743.04	3819769.88	4.34E-09	1.68E-08	2.23E-10	2.14E-08	3.61E-09	1.24E-08	1.60E-10	1.61E-08	4.10E-10	2.17E-09	3.80E-11	2.61E-09	3.72E-10	1.13E-09	1.15E-11	1.52E-09
7235	468739.5	3819760.86	4.24E-09	1.64E-08	2.18E-10	2.09E-08	3.53E-09	1.21E-08	1.56E-10	1.58E-08	4.00E-10	2.11E-09	3.71E-11	2.55E-09	3.64E-10	1.11E-09	1.12E-11	1.48E-09
7236	468735.96	3819751.85	4.14E-09	1.60E-08	2.13E-10	2.04E-08	3.45E-09	1.18E-08	1.53E-10	1.54E-08	3.91E-10	2.07E-09	3.63E-11	2.49E-09	3.55E-10	1.08E-09	1.10E-11	1.45E-09
7237	468732.42	3819742.84	4.04E-09	1.57E-08	2.08E-10	1.99E-08	3.36E-09	1.15E-08	1.49E-10	1.50E-08	3.81E-10	2.02E-09	3.54E-11	2.43E-09	3.47E-10	1.06E-09	1.07E-11	1.41E-09
7238	468728.88	3819733.82	3.95E-09	1.53E-08	2.03E-10	1.94E-08	3.29E-09	1.12E-08	1.45E-10	1.47E-08	3.73E-10	1.97E-09	3.46E-11	2.38E-09	3.39E-10	1.03E-09	1.05E-11	1.38E-09
7239	468725.34	3819724.81	3.86E-09	1.50E-08	1.98E-10	1.90E-08	3.21E-09	1.10E-08	1.42E-10	1.43E-08	3.64E-10	1.93E-09	3.38E-11	2.32E-09	3.31E-10	1.01E-09	1.02E-11	1.35E-09
7240	468721.8	3819715.8	3.77E-09	1.46E-08	1.94E-10	1.86E-08	3.14E-09	1.07E-08	1.39E-10	1.40E-08	3.56E-10	1.88E-09	3.30E-11	2.27E-09	3.23E-10	9.85E-10	9.99E-12	1.32E-09
7241	468718.26	3819706.79	3.68E-09	1.43E-08	1.89E-10	1.82E-08	3.07E-09	1.05E-08	1.36E-10	1.37E-08	3.48E-10	1.84E-09	3.23E-11	2.22E-09	3.16E-10	9.63E-10	9.76E-12	1.29E-09
7242	468714.72	3819697.77	3.60E-09	1.40E-08	1.85E-10	1.77E-08	3.00E-09	1.03E-08	1.33E-10	1.34E-08	3.40E-10	1.80E-09	3.15E-11	2.17E-09	3.09E-10	9.41E-10	9.54E-12	1.26E-09
7243	468711.18	3819688.76	3.52E-09	1.36E-08	1.81E-10	1.73E-08	2.93E-09	1.00E-08	1.30E-10	1.31E-08	3.32E-10	1.76E-09	3.08E-11	2.12E-09	3.02E-10	9.19E-10	9.32E-12	1.23E-09
7244	468707.64	3819679.75	3.44E-09	1.33E-08	1.77E-10	1.69E-08	2.86E-09	9.79E-09	1.27E-10	1.28E-08	3.24E-10	1.72E-09	3.01E-11	2.07E-09	2.95E-10	8.98E-10	9.11E-12	1.20E-09
7245	468704.1	3819670.73	3.36E-09	1.30E-08	1.73E-10	1.66E-08	2.80E-09	9.58E-09	1.24E-10	1.25E-08	3.18E-10	1.68E-09	2.95E-11	2.03E-09	2.89E-10	8.79E-10	8.92E-12	1.18E-09
7246	468700.57	3819661.72	3.29E-09	1.28E-08	1.69E-10	1.62E-08	2.74E-09	9.38E-09	1.21E-10	1.22E-08	3.11E-10	1.64E-09	2.88E-11	1.98E-09	2.82E-10	8.60E-10	8.72E-12	1.15E-09
7247	468697.03	3819652.71	3.22E-09	1.25E-08	1.66E-10	1.59E-08	2.68E-09	9.18E-09	1.19E-10	1.20E-08	3.04E-10	1.61E-09	2.82E-11	1.94E-09	2.77E-10	8.42E-10	8.54E-12	1.13E-09
7248	468693.49	3819643.69	2.88E-09	1.12E-08	1.48E-10	1.42E-08	2.40E-09	8.21E-09	1.06E-10	1.07E-08	2.72E-10	1.44E-09	2.52E-11	1.73E-09	2.47E-10	7.53E-10	7.63E-12	1.01E-09
7249	468689.95	3819634.68	2.81E-09	1.09E-08	1.44E-10	1.38E-08	2.34E-09	8.00E-09	1.04E-10	1.04E-08	2.65E-10	1.40E-09	2.46E-11	1.69E-09	2.41E-10	7.34E-10	7.44E-12	9.82E-10
7250	468686.41	3819625.67	2.74E-09	1.06E-08	1.41E-10	1.35E-08	2.28E-09	7.80E-09	1.01E-10	1.02E-08	2.59E-10	1.37E-09	2.40E-11	1.65E-09	2.35E-10	7.16E-10	7.26E-12	9.58E-10
7251	468682.87	3819616.66	2.68E-09	1.04E-08	1.38E-10	1.32E-08	2.23E-09	7.63E-09	9.87E-11	9.95E-09	2.53E-10	1.34E-09	2.35E-11	1.61E-09	2.30E-10	7.00E-10	7.09E-12	9.36E-10
7252	468679.33	3819607.64	2.63E-09	1.02E-08	1.35E-10	1.30E-08	2.19E-09	7.49E-09	9.70E-11	9.78E-09	2.48E-10	1.31E-09	2.30E-11	1.58E-09	2.26E-10	6.87E-10	6.97E-12	9.20E-10
7253	468675.79	3819598.63	2.59E-09	1.00E-08	1.33E-10	1.27E-08	2.15E-09	7.37E-09	9.53E-11	9.62E-09	2.44E-10	1.29E-09	2.27E-11	1.56E-09	2.22E-10	6.76E-10	6.85E-12	9.05E-10
7254	468672.25	3819589.62	2.55E-09	9.87E-09	1.31E-10	1.25E-08	2.12E-09	7.25E-09	9.39E-11	9.47E-09	2.40E-10	1.27E-09	2.23E-11	1.53E-09	2.18E-10	6.65E-10	6.75E-12	8.91E-10
7255	468668.71	3819580.6	2.50E-09	9.70E-09	1.29E-10	1.23E-08	2.08E-09	7.13E-09	9.23E-11	9.31E-09	2.36E-10	1.25E-09	2.19E-11	1.51E-09	2.15E-10	6.54E-10	6.63E-12	8.75E-10
7256	468665.17	3819571.59	2.45E-09	9.52E-09	1.26E-10	1.21E-08	2.04E-09	6.99E-09	9.05E-11	9.13E-09	2.32E-10	1.23E-09	2.15E-11	1.48E-09	2.11E-10	6.42E-10	6.51E-12	8.59E-10
7257	468661.63	3819562.58	2.41E-09	9.36E-09	1.24E-10	1.19E-08	2.01E-09	6.88E-09	8.90E-11	8.98E-09	2.28E-10	1.21E-09	2.12E-11	1.45E-09	2.07E-10	6.31E-10	6.40E-12	8.45E-10
7258	468658.09	3819553.57	2.38E-09	9.24E-09	1.22E-10	1.17E-08	1.98E-09	6.79E-09	8.78E-11	8.86E-09	2.25E-10	1.19E-09	2.09E-11	1.43E-09	2.04E-10	6.23E-10	6.31E-12	8.33E-10
7259	468654.55	3819544.55	2.35E-09	9.12E-09	1.21E-10	1.16E-08	1.96E-09	6.70E-09	8.68E-11	8.75E-09	2.22E-10	1.17E-09	2.06E-11	1.42E-09	2.02E-10	6.15E-10	6.24E-12	8.23E-10
7260	468651.01	3819535.54	2.33E-09	9.04E-09	1.20E-10	1.15E-08	1.94E-09	6.64E-09	8.60E-11	8.67E-09	2.20E-10	1.16E-09	2.04E-11	1.40E-09	2.00E-10	6.09E-10	6.18E-12	8.16E-10
7261	468647.47	3819526.53	2.31E-09	8.95E-09	1.19E-10	1.14E-08	1.92E-09	6.58E-09	8.52E-11	8.59E-09	2.18E-10	1.15E-09	2.02E-11	1.39E-09	1.98E-10	6.04E-10	6.12E-12	8.08E-10
7262	468643.93	3819517.51	2.28E-09	8.86E-09	1.17E-10	1.13E-08	1.90E-09	6.51E-09	8.42E-11	8.49E-09	2.16E-10	1.14E-09	2.00E-11	1.38E-09	1.96E-10	5.97E-10	6.05E-12	7.99E-10
7263	468640.39	3819508.5	2.26E-09	8.77E-09	1.16E-10	1.11E-08	1.88E-09	6.45E-09	8.34E-11	8.41E-09	2.14E-10	1.13E-09	1.98E-11	1.36E-09	1.94E-10	5.91E-10	6.00E-12	7.91E-10
7264	468636.86	3819499.49	2.24E-09	8.69E-09	1.15E-10	1.10E-08	1.87E-09	6.38E-09	8.26E-11	8.33E-09	2.12E-10	1.12E-09	1.96E-11	1.35E-09	1.92E-10	5.86E-10	5.94E-12	7.84E-10
7265	468633.32	3819490.48	2.22E-09	8.62E-09	1.14E-10	1.10E-08	1.85E-09	6.33E-09	8.19E-11	8.26E-09	2.10E-10	1.11E-09	1.95E-11	1.34E-09	1.91E-10	5.81E-10	5.89E-12	7.77E-10
7266	468629.78	3819481.46	2.21E-09	8.56E-09	1.13E-10	1.09E-08	1.84E-09	6.29E-09	8.14E-11	8.21E-09	2.08E-10	1.10E-09	1.93E-11	1.33E-09	1.89E-10	5.77E-10	5.85E-12	7.72E-10
7267	468626.24	3819472.45	2.19E-09	8.50E-09	1.13E-10	1.08E-08	1.83E-09	6.25E-09	8.09E-11	8.16E-09	2.07E-10	1.09E-09	1.92E-11	1.32E-09	1.88E-10	5.73E-10	5.81E-12	7.67E-10
7268	468622.7	3819463.44	2.18E-09	8.46E-09	1.12E-10	1.08E-08	1.82E-09	6.22E-09	8.05E-11	8.11E-09	2.06E-10	1.09E-09	1.91E-11	1.31E-09	1.87E-10	5.70E-10	5.78E-12	7.63E-10
7269	468619.16	3819454.42	2.17E-09	8.42E-09	1.12E-10	1.07E-08	1.81E-09	6.19E-09	8.01E-11	8.07E-09	2.05E-10	1.08E-09	1.90E-11	1.31E-09	1.86E-10	5.67E-10	5.75E-12	7.60E-10
7270	468615.62	3819445.41	2.16E-09	8.38E-09	1.11E-10	1.06E-08	1.80E-09	6.16E-09	7.97E-11	8.03E-09	2.04E-10	1.08E-09	1.89E-11	1.30E-09	1.85E-10	5.65E-10	5.73E-12	7.56E-10
7271	468612.08	3819436.4	2.15E-09	8.33E-09	1.10E-10	1.06E-08	1.79E-09	6.12E-09	7.93E-11	7.99E-09	2.03E-10	1.07E-09	1.88E-11	1.29E-09	1.84E-10	5.62E-10	5.70E-12	7.52E-10
7272	468608.54	3819427.39	2.13E-09	8.28E-09	1.10E-10	1.05E-08	1.78E-09	6.08E-09	7.87E-11	7.94E-09	2.02E-10	1.07E-09	1.87E-11	1.29E-09	1.83E-10	5.58E-10	5.66E-12	7.47E-10
7273	470083.82	3820948.25	2.41E-08	9.36E-08	1.24E-09	1.19E-07	2.01E-08	6.87E-08	8.90E-10	8.97E-08	2.28E-09	1.20E-08	2.11E-10	1.45E-08	2.07E-09	6.31E-09	6.39E-11	8.44E-09
7274	470093.52	3820948.39	2.40E-08	9.30E-08	1.23E-09	1.18E-07	2.00E-08	6.83E-08	8.84E-10	8.92E-08	2.26E-09	1.20E-08	2.10E-10	1.44E-08	2.06E-09	6.27E-09	6.35E-11	8.39E-09
7275	470103.21	3820948.52	2.38E-08	9.24E-08	1.22E-09	1.17E-07	1.98E-08	6.79E-08	8.78E-10	8.86E-08	2.25E-09	1.19E-08	2.09E-10	1.43E-08	2.04E-09	6.22E-09	6.31E-11	8.33E-09
7276	470112.91	3820948.66	2.36E-08	9.17E-08	1.21E-09	1.17E-07	1.97E-08	6.74E-08	8.72E-10	8.80E-08	2.23E-09	1.18E-08	2.07E-10	1.42E-08	2.03E-09	6.18E-09	6.27E-11	8.27E-09
7277	470122.61	3820948.79	2.35E-08	9.11E-08	1.21E-09	1.16E-07	1.96E-08	6.69E-08	8.66E-10	8.73E-08	2.22E-09	1.17E-08	2.06E-10	1.41E-08	2.02E-09	6.14E-09	6.22E-11	8.22E-09
7278	470132.31	3820948.93	2.33E-08	9.04E-08	1.20E-09	1.15E-07	1.94E-08	6.64E-08	8.60E-10	8.67E-08	2.20E-09	1.16E-08	2.04E-10	1.40E-08	2.00E-09	6.09E-09	6.18E-11	8.16E-09
7279	470142	3820949.06	2.31E-08	8.97E-08	1.19E-09	1.14E-07	1.93E-08	6.59E-08	8.53E-10	8.60E-08	2.18E-09	1.15E-08	2.03E-10	1.39E-08	1.99E-09	6.05E-09	6.13E-11	8.09E-09
7280	470151.7	3820949.2	2.29E-08	8.90E-08	1.18E-09	1.13E-07	1.91E-08	6.54E-08	8.46E-10	8.53E-08	2.17E-09	1.15E-08	2.01E-10	1.38E-08	1.97E-09	6.00E-09	6.08E-11	8.03E-09
7281	470161.4	3820949.33	2.28E-08	8.83E-08	1.17E-09	1.12E-07	1.90E-08	6.48E-08	8.39E-10	8.46E-08	2.15E-09	1.14E-08	1.99E-10	1.37E-08	1.95E-09	5.95E-09	6.03E-11	7.96E-09
7282	470171.09	3820949.47	2.26E-08	8.75E-08	1.16E-09	1.11E-07	1.88E-08	6.43E-08	8.32E-10	8.39E-08	2.13E-09	1.13E-08	1.98E-10	1.36E-08	1.94E-09	5.90E-09	5.98E-11	7.90E-09
7283	470180.79	3820949.6	2.24E-08	8.68E-08	1.15E-09	1.10E-07	1.86E-08	6.38E-08	8.25E-10	8.32E-08	2.11E-09	1.12E-08	1.96E-10	1.35E-08	1.92E-09	5.85E-09	5.93E-11	7.83E-09
7284	470190.49	3820949.74	2.22E-08	8.61E-08	1.14E-09	1.09E-07	1.85E-08	6.33E-08	8.19E-10	8.26E-08	2.10E-09	1.11E-08	1.95E-10	1.34E-08	1.91E-09	5.80E-09	5.89E-11	7.77E-09
7285	470200.19	3820949.87	2.20E-08	8.54E-08	1.13E-09	1.09E-07	1.83E-08	6.27E-08	8.12E-10	8.19E-08	2.08E-09	1.10E-08	1.93E-10	1.33E-08	1.89E-09	5.76E-09	5.84E-11	7.70E-09
7286	470209.88	3820950.01	2.18E-08	8.47E-08	1.12E-09	1.08E-07	1.82E-08	6.22E-08	8.05E-10	8.12E-08	2.06E-09	1.09E-08	1.91E-10	1.32E-08	1.87E-09	5.71E-09	5.79E-11	7.64E-09
7287	470219.58	3820950.14	2.16E-08	8.40E-08	1.11E-09	1.07E-07	1.80E-08	6.17E-08	7.98E-10	8.05E-08	2.04E-09	1.08E-08	1.90E-10	1.30E-08	1.86E-09	5.66E-09	5.74E-11	7.57E-09
7288	470229.28	3820950.28	2.15E-08	8.33E-08	1.10E-09	1.06E-07	1.79E-08	6.12E-08	7.92E-10	7.99E-08	2.03E-09	1.07E-08	1.88E-10	1.29E-08	1.84E-09	5.61E-09	5.69E-11	7.51E-09
7289	470238.98	3820950.41	2.13E-08	8.26E-08	1.09E-09	1.05E-07	1.77E-08	6.07E-08	7.85E-10	7.92E-08	2.01E-09	1.06E-08	1.87E-10	1.28E-08	1.83E-09	5.56E-09	5.64E-11	7.45E-09
7290	470248.67	3820950.55	2.11E-08	8.19E-08	1.08E-09	1.04E-07	1.76E-08	6.02E-08	7.78E-10	7.85E-08	1.99E-09	1.05E-08	1.85E-10	1.27E-08	1.81E-09	5.52E-09	5.60E-11	7.39E-09
7291	470258.37	3820950.68	2.09E-08	8.12E-08	1.08E-09	1.03E-07	1.74E-08	5.97E-08	7.72E-10	7.79E-08	1.98E-09	1.05E-08	1.83E-10	1.26E-08	1.80E-09	5.47E-09	5.55E-11	7.32E-09
7292	470306.24	3819458.15	1.49E-06	5.79E-06	7.67E-08	7.36E-06	1.24E-06	4.26E-06	5.51E-08	5.55E-06	1.41E-07	7.46E-07	1.31E-08	9.00E-07	1.28E-07	3.90E-07	3.96E-09	5.23E-07

7293	470309.33	3819441.44	1.70E-06	6.58E-06	8.72E-08	8.37E-06	1.41E-06	4.84E-06	6.26E-08	6.32E-06	1.60E-07	8.48E-07	1.49E-08	1.02E-06	1.46E-07	4.44E-07	4.50E-09	5.94E-07
7294	470309.41	3819431.79	1.85E-06	7.18E-06	9.51E-08	9.12E-06	1.54E-06	5.27E-06	6.82E-08	6.88E-06	1.75E-07	9.24E-07	1.62E-08	1.11E-06	1.59E-07	4.84E-07	4.90E-09	6.47E-07
7295	470309.5	3819422.14	1.99E-06	7.72E-06	1.02E-07	9.81E-06	1.66E-06	5.67E-06	7.34E-08	7.40E-06	1.88E-07	9.94E-07	1.74E-08	1.20E-06	1.71E-07	5.20E-07	5.28E-09	6.96E-07
7296	470309.58	3819412.49	2.11E-06	8.18E-06	1.08E-07	1.04E-05	1.76E-06	6.01E-06	7.77E-08	7.84E-06	1.99E-07	1.05E-06	1.85E-08	1.27E-06	1.81E-07	5.51E-07	5.59E-09	7.38E-07
7297	470309.66	3819402.85	2.20E-06	8.53E-06	1.13E-07	1.08E-05	1.83E-06	6.27E-06	8.11E-08	8.18E-06	2.08E-07	1.10E-06	1.93E-08	1.33E-06	1.89E-07	5.75E-07	5.83E-09	7.70E-07
7298	470309.75	3819393.2	2.27E-06	8.80E-06	1.17E-07	1.12E-05	1.89E-06	6.47E-06	8.37E-08	8.44E-06	2.14E-07	1.13E-06	1.99E-08	1.37E-06	1.95E-07	5.93E-07	6.01E-09	7.94E-07
7299	470309.83	3819383.55	2.32E-06	8.98E-06	1.19E-07	1.14E-05	1.93E-06	6.60E-06	8.54E-08	8.61E-06	2.19E-07	1.16E-06	2.03E-08	1.40E-06	1.99E-07	6.05E-07	6.14E-09	8.10E-07
7300	470309.91	3819373.9	2.34E-06	9.08E-06	1.20E-07	1.15E-05	1.95E-06	6.67E-06	8.64E-08	8.71E-06	2.21E-07	1.17E-06	2.05E-08	1.41E-06	2.01E-07	6.12E-07	6.21E-09	8.19E-07
7301	470309.99	3819364.25	2.35E-06	9.11E-06	1.21E-07	1.16E-05	1.96E-06	6.69E-06	8.66E-08	8.73E-06	2.22E-07	1.17E-06	2.06E-08	1.41E-06	2.02E-07	6.14E-07	6.22E-09	8.22E-07
7302	470310.08	3819354.61	2.34E-06	9.07E-06	1.20E-07	1.15E-05	1.95E-06	6.66E-06	8.62E-08	8.70E-06	2.21E-07	1.17E-06	2.05E-08	1.41E-06	2.01E-07	6.11E-07	6.20E-09	8.18E-07
7303	470310.16	3819344.96	2.32E-06	8.98E-06	1.19E-07	1.14E-05	1.93E-06	6.60E-06	8.54E-08	8.61E-06	2.19E-07	1.16E-06	2.03E-08	1.40E-06	1.99E-07	6.05E-07	6.14E-09	8.10E-07
7304	470310.24	3819335.31	2.28E-06	8.84E-06	1.17E-07	1.12E-05	1.90E-06	6.50E-06	8.41E-08	8.48E-06	2.15E-07	1.14E-06	2.00E-08	1.37E-06	1.96E-07	5.96E-07	6.05E-09	7.98E-07
7305	470310.32	3819325.66	2.23E-06	8.65E-06	1.15E-07	1.10E-05	1.86E-06	6.36E-06	8.23E-08	8.30E-06	2.11E-07	1.11E-06	1.96E-08	1.34E-06	1.92E-07	5.83E-07	5.91E-09	7.81E-07
7306	470310.41	3819316.01	2.17E-06	8.40E-06	1.11E-07	1.07E-05	1.80E-06	6.17E-06	7.99E-08	8.05E-06	2.04E-07	1.08E-06	1.90E-08	1.30E-06	1.86E-07	5.66E-07	5.74E-09	7.58E-07
7307	470310.49	3819306.36	2.08E-06	8.08E-06	1.07E-07	1.03E-05	1.73E-06	5.93E-06	7.68E-08	7.75E-06	1.97E-07	1.04E-06	1.82E-08	1.25E-06	1.79E-07	5.44E-07	5.52E-09	7.29E-07
7308	470310.57	3819296.72	1.98E-06	7.69E-06	1.02E-07	9.77E-06	1.65E-06	5.65E-06	7.31E-08	7.37E-06	1.87E-07	9.90E-07	1.74E-08	1.19E-06	1.70E-07	5.18E-07	5.25E-09	6.94E-07
7309	470310.66	3819287.07	1.86E-06	7.22E-06	9.57E-08	9.18E-06	1.55E-06	5.31E-06	6.87E-08	6.93E-06	1.76E-07	9.30E-07	1.63E-08	1.12E-06	1.60E-07	4.87E-07	4.94E-09	6.52E-07
7310	470310.74	3819277.42	1.72E-06	6.68E-06	8.85E-08	8.49E-06	1.43E-06	4.91E-06	6.35E-08	6.40E-06	1.63E-07	8.60E-07	1.51E-08	1.04E-06	1.48E-07	4.50E-07	4.56E-09	6.02E-07
7311	470310.82	3819267.77	1.56E-06	6.06E-06	8.02E-08	7.70E-06	1.30E-06	4.45E-06	5.76E-08	5.81E-06	1.47E-07	7.79E-07	1.37E-08	9.41E-07	1.34E-07	4.08E-07	4.14E-09	5.46E-07
7312	470310.9	3819258.12	1.38E-06	5.37E-06	7.11E-08	6.82E-06	1.15E-06	3.94E-06	5.10E-08	5.15E-06	1.31E-07	6.91E-07	1.21E-08	8.34E-07	1.19E-07	3.62E-07	3.67E-09	4.84E-07
7313	470310.99	3819248.48	1.20E-06	4.65E-06	6.17E-08	5.92E-06	1.00E-06	3.42E-06	4.43E-08	4.46E-06	1.13E-07	5.99E-07	1.05E-08	7.23E-07	1.03E-07	3.14E-07	3.18E-09	4.20E-07
7314	470316.24	3819458.24	1.32E-06	5.11E-06	6.77E-08	6.49E-06	1.10E-06	3.75E-06	4.86E-08	4.90E-06	1.24E-07	6.57E-07	1.15E-08	7.93E-07	1.13E-07	3.44E-07	3.49E-09	4.61E-07
7315	470310.22	3819472.37	1.23E-06	4.76E-06	6.30E-08	6.05E-06	1.02E-06	3.50E-06	4.53E-08	4.56E-06	1.16E-07	6.13E-07	1.08E-08	7.39E-07	1.05E-07	3.21E-07	3.25E-09	4.29E-07
7316	470319.33	3819441.52	1.47E-06	5.70E-06	7.54E-08	7.24E-06	1.22E-06	4.18E-06	5.42E-08	5.46E-06	1.39E-07	7.33E-07	1.29E-08	8.85E-07	1.26E-07	3.84E-07	3.89E-09	5.14E-07
7317	470319.41	3819431.88	1.58E-06	6.13E-06	8.12E-08	7.79E-06	1.32E-06	4.50E-06	5.83E-08	5.88E-06	1.49E-07	7.89E-07	1.38E-08	9.52E-07	1.36E-07	4.13E-07	4.19E-09	5.53E-07
7318	470319.5	3819422.23	1.68E-06	6.52E-06	8.64E-08	8.29E-06	1.40E-06	4.79E-06	6.20E-08	6.26E-06	1.59E-07	8.40E-07	1.47E-08	1.01E-06	1.44E-07	4.40E-07	4.46E-09	5.89E-07
7319	470319.58	3819412.58	1.77E-06	6.86E-06	9.08E-08	8.72E-06	1.47E-06	5.04E-06	6.52E-08	6.58E-06	1.67E-07	8.83E-07	1.55E-08	1.07E-06	1.52E-07	4.62E-07	4.69E-09	6.19E-07
7320	470319.66	3819402.93	1.84E-06	7.13E-06	9.44E-08	9.06E-06	1.53E-06	5.24E-06	6.78E-08	6.83E-06	1.74E-07	9.17E-07	1.61E-08	1.11E-06	1.58E-07	4.80E-07	4.87E-09	6.43E-07
7321	470319.74	3819393.28	1.89E-06	7.34E-06	9.72E-08	9.33E-06	1.58E-06	5.39E-06	6.98E-08	7.04E-06	1.79E-07	9.44E-07	1.66E-08	1.14E-06	1.62E-07	4.95E-07	5.01E-09	6.62E-07
7322	470319.83	3819383.64	1.93E-06	7.48E-06	9.91E-08	9.50E-06	1.61E-06	5.49E-06	7.11E-08	7.17E-06	1.82E-07	9.62E-07	1.69E-08	1.16E-06	1.65E-07	5.04E-07	5.11E-09	6.75E-07
7323	470319.91	3819373.99	1.95E-06	7.55E-06	1.00E-07	9.60E-06	1.62E-06	5.55E-06	7.18E-08	7.24E-06	1.84E-07	9.72E-07	1.71E-08	1.17E-06	1.67E-07	5.09E-07	5.16E-09	6.81E-07
7324	470319.99	3819364.34	1.95E-06	7.56E-06	1.00E-07	9.61E-06	1.62E-06	5.56E-06	7.19E-08	7.25E-06	1.84E-07	9.73E-07	1.71E-08	1.17E-06	1.67E-07	5.10E-07	5.17E-09	6.82E-07
7325	470320.08	3819354.69	1.94E-06	7.52E-06	9.96E-08	9.56E-06	1.61E-06	5.53E-06	7.15E-08	7.21E-06	1.83E-07	9.68E-07	1.70E-08	1.17E-06	1.66E-07	5.07E-07	5.14E-09	6.78E-07
7326	470320.16	3819345.04	1.92E-06	7.43E-06	9.84E-08	9.45E-06	1.60E-06	5.46E-06	7.07E-08	7.13E-06	1.81E-07	9.57E-07	1.68E-08	1.15E-06	1.64E-07	5.01E-07	5.08E-09	6.70E-07
7327	470320.24	3819335.39	1.88E-06	7.30E-06	9.67E-08	9.27E-06	1.57E-06	5.36E-06	6.94E-08	7.00E-06	1.78E-07	9.39E-07	1.65E-08	1.13E-06	1.62E-07	4.92E-07	4.99E-09	6.58E-07
7328	470320.32	3819325.75	1.83E-06	7.12E-06	9.43E-08	9.05E-06	1.53E-06	5.23E-06	6.77E-08	6.83E-06	1.73E-07	9.16E-07	1.61E-08	1.11E-06	1.58E-07	4.80E-07	4.86E-09	6.42E-07
7329	470320.41	3819316.1	1.78E-06	6.89E-06	9.12E-08	8.75E-06	1.48E-06	5.06E-06	6.55E-08	6.60E-06	1.68E-07	8.86E-07	1.56E-08	1.07E-06	1.52E-07	4.64E-07	4.71E-09	6.21E-07
7330	470320.49	3819306.45	1.70E-06	6.61E-06	8.75E-08	8.40E-06	1.42E-06	4.86E-06	6.28E-08	6.34E-06	1.61E-07	8.51E-07	1.49E-08	1.03E-06	1.46E-07	4.45E-07	4.52E-09	5.96E-07
7331	470320.57	3819296.8	1.62E-06	6.28E-06	8.31E-08	7.98E-06	1.35E-06	4.61E-06	5.97E-08	6.02E-06	1.53E-07	8.08E-07	1.42E-08	9.75E-07	1.39E-07	4.23E-07	4.29E-09	5.66E-07
7332	470320.65	3819287.15	1.52E-06	5.89E-06	7.80E-08	7.49E-06	1.26E-06	4.33E-06	5.60E-08	5.65E-06	1.43E-07	7.58E-07	1.33E-08	9.15E-07	1.30E-07	3.97E-07	4.03E-09	5.31E-07
7333	470320.74	3819277.51	1.40E-06	5.45E-06	7.22E-08	6.92E-06	1.17E-06	4.00E-06	5.18E-08	5.22E-06	1.33E-07	7.01E-07	1.23E-08	8.46E-07	1.21E-07	3.67E-07	3.72E-09	4.91E-07
7334	470320.82	3819267.86	1.28E-06	4.96E-06	6.57E-08	6.30E-06	1.06E-06	3.64E-06	4.71E-08	4.75E-06	1.21E-07	6.38E-07	1.12E-08	7.70E-07	1.10E-07	3.34E-07	3.39E-09	4.47E-07
7335	470320.9	3819258.21	1.14E-06	4.43E-06	5.87E-08	5.63E-06	9.51E-07	3.26E-06	4.21E-08	4.25E-06	1.08E-07	5.70E-07	1.00E-08	6.88E-07	9.81E-08	2.99E-07	3.03E-09	4.00E-07
7336	470320.99	3819248.56	1.00E-06	3.89E-06	5.16E-08	4.95E-06	8.36E-07	2.86E-06	3.70E-08	3.73E-06	9.48E-08	5.01E-07	8.80E-09	6.05E-07	8.62E-08	2.62E-07	2.66E-09	3.51E-07
7337	470325.49	3819460.09	1.16E-06	4.51E-06	5.97E-08	5.73E-06	9.68E-07	3.31E-06	4.29E-08	4.32E-06	1.10E-07	5.80E-07	1.02E-08	7.00E-07	9.98E-08	3.04E-07	3.08E-09	4.07E-07
7338	470321.73	3819468.92	1.12E-06	4.34E-06	5.75E-08	5.52E-06	9.33E-07	3.19E-06	4.13E-08	4.17E-06	1.06E-07	5.59E-07	9.82E-09	6.75E-07	9.61E-08	2.93E-07	2.97E-09	3.92E-07
7339	470317.97	3819477.75	1.07E-06	4.16E-06	5.51E-08	5.29E-06	8.93E-07	3.06E-06	3.96E-08	3.99E-06	1.01E-07	5.35E-07	9.40E-09	6.46E-07	9.21E-08	2.80E-07	2.84E-09	3.75E-07
7340	470305.29	3819490.14	1.08E-06	4.18E-06	5.54E-08	5.31E-06	8.97E-07	3.07E-06	3.97E-08	4.01E-06	1.02E-07	5.38E-07	9.44E-09	6.49E-07	9.25E-08	2.82E-07	2.86E-09	3.77E-07
7341	470329.25	3819451.26	1.20E-06	4.64E-06	6.14E-08	5.90E-06	9.96E-07	3.41E-06	4.41E-08	4.45E-06	1.13E-07	5.97E-07	1.05E-08	7.20E-07	1.03E-07	3.13E-07	3.17E-09	4.18E-07
7342	470329.33	3819441.61	1.28E-06	4.98E-06	6.60E-08	6.33E-06	1.07E-06	3.66E-06	4.74E-08	4.78E-06	1.21E-07	6.41E-07	1.13E-08	7.74E-07	1.10E-07	3.36E-07	3.41E-09	4.50E-07
7343	470329.41	3819431.96	1.37E-06	5.31E-06	7.04E-08	6.76E-06	1.14E-06	3.91E-06	5.05E-08	5.10E-06	1.29E-07	6.84E-07	1.20E-08	8.26E-07	1.18E-07	3.58E-07	3.63E-09	4.79E-07
7344	470329.5	3819422.31	1.45E-06	5.61E-06	7.44E-08	7.14E-06	1.21E-06	4.13E-06	5.34E-08	5.39E-06	1.37E-07	7.23E-07	1.27E-08	8.72E-07	1.24E-07	3.78E-07	3.84E-09	5.07E-07
7345	470329.58	3819412.67	1.51E-06	5.87E-06	7.78E-08	7.46E-06	1.26E-06	4.31E-06	5.58E-08	5.63E-06	1.43E-07	7.56E-07	1.33E-08	9.12E-07	1.30E-07	3.96E-07	4.01E-09	5.30E-07
7346	470329.66	3819403.02	1.57E-06	6.08E-06	8.05E-08	7.72E-06	1.31E-06	4.47E-06	5.78E-08	5.83E-06	1.48E-07	7.82E-07	1.37E-08	9.44E-07	1.35E-07	4.10E-07	4.15E-09	5.48E-07
7347	470329.74	3819393.37	1.61E-06	6.23E-06	8.26E-08	7.92E-06	1.34E-06	4.58E-06	5.93E-08	5.98E-06	1.52E-07	8.03E-07	1.41E-08	9.68E-07	1.38E-07	4.20E-07	4.26E-09	5.62E-07
7348	470329.83	3819383.72	1.63E-06	6.34E-06	8.40E-08	8.05E-06	1.36E-06	4.66E-06	6.03E-08	6.08E-06	1.54E-07	8.16E-07	1.43E-08	9.84E-07	1.40E-07	4.27E-07	4.33E-09	5.72E-07
7349	470329.91	3819374.07	1.65E-06	6.39E-06	8.46E-08	8.12E-06	1.37E-06	4.69E-06	6.08E-08	6.13E-06	1.56E-07	8.22E-07	1.44E-08	9.92E-07	1.41E-07	4.31E-07	4.37E-09	5.76E-07
7350	470329.99	3819364.43	1.65E-06	6.39E-06	8.47E-08	8.12E-06	1.37E-06	4.70E-06	6.08E-08	6.13E-06	1.56E-07	8.23E-07	1.44E-08	9.93E-07	1.41E-07	4.31E-07	4.37E-09	5.77E-07
7351	470330.08	3819354.78	1.64E-06	6.35E-06	8.41E-08	8.07E-06	1.36E-06	4.67E-06	6.04E-08	6.09E-06	1.55E-07	8.18E-07	1.43E-08	9.87E-07	1.41E-07	4.28E-07	4.34E-09	5.73E-07
7352	470330.16	3819345.13	1.62E-06	6.27E-06	8.31E-08	7.97E-06	1.35E-06	4.61E-06	5.96E-08	6.01E-06	1.53E-07	8.07E-07	1.42E-08	9.74E-07	1.39E-07	4.23E-07	4.29E-09	5.66E-07
7353	470330.24	3819335.48	1.58E-06	6.15E-06	8.14E-08	7.81E-06	1.32E-06	4.52E-06	5.84E-08	5.89E-06	1.50E-07	7.91E-07	1.39E-08	9.55E-07	1.36E-07	4.14E-07	4.20E-09	5.55E-07
7354	470330.32	3819325.83	1.54E-06	5.98E-06	7.93E-08	7.61E-06	1.29E-06	4.40E-06	5.69E-08	5.74E-06	1.46E-07	7.70E-07	1.35E-08	9.29E-07	1.32E-07	4.03E-07	4.09E-09	5.40E-07
7355	470330.41	3819316.18	1.49E-06	5.78E-06	7.66E-08	7.35E-06	1.24E-06	4.25E-06	5.50E-08	5.54E-06	1.41E-07	7.44E-07	1.31E-08	8.98E-07	1.28E-07	3.90E-07	3.95E-09	5.22E-07
7356	470330.49	3819306.54	1.43E-06	5.54E-06	7.34E-08	7.04E-06	1.19E-06	4.07E-06	5.27E-08	5.31E-06	1.35E-07	7.13E-07	1.25E-08	8.60E-07	1.23E-07	3.73E-07	3.79E-09	5.00E-07
7357	470330.57	3819296.89	1.35E-06	5.25E-06	6.96E-08	6.68E-06	1.13E-06	3.86E-06	5.00E-08	5.04E-06	1.28E-07	6.76E-07	1.19E-08	8.16E-07	1.16E-07	3.54E-07	3.59E-09	4.74E-07
7358	470330.65	3819287.24	1.27E-06	4.93E-06	6.53E-08	6.26E-06	1.06E-06	3.62E-06	4.69E-08	4.73E-06	1.20E-07	6.34E-07	1.11E-08	7.66E-07	1.09E-07	3.32E-07	3.37E-09	4.45E-07
7359	470330.74	3819277.59	1.18E-06	4.56E-06	6.05E-08	5.80E-06	9.80E-07	3.35E-06	4.34E-08	4.38E-06	1.11E-07	5.88E-07	1.03E-08	7.09E-07	1.01E-07	3.08E-07	3.12E-09	4.12E-07
7360	470330.82	3819267.94	1.07E-06	4.17E-06	5.52E-08	5.30E-06	8.95E-07	3.06E-06	3.96E-08	4.00E-06	1.01E-07	5.37E-07	9.42E-09	6.48E-07	9.23E-08	2.81E-07	2.85E-09	3.76E-07
7361	470330.9	3819258.3	9.67E-07	3.75E-06	4.97E-08	4.77E-06	8.06E-07	2.76E-06	3.57E-08	3.60E-06	9.14E-08	4.83E-07	8.48E-09	5.83E-07	8.30E-08	2.53E-07	2.56E-09	3.39E-07
7362	470330.99	3819248.65	8.59E-07	3.33E-06	4.41E-08	4.23E-06	7.15E-07	2.45E-06	3.17E-08	3.19E-06	8.11E-08	4.29E-07	7.53E-09	5.17E-07	7.37E-08	2.25E-07	2.28E-09	3.01E-07
7363	470335.64	3819459.82	1.04E-06	4.04E-06	5.35E-08	5.13E-06	8.67E-07	2.97E-06	3.84E-08	3.87E-06	9.83E-08	5.20E-07	9.12E-09	6.27E-07	8.94E-08	2.72E-07	2.76E-09	3.64E-07
7364	470332.03	3819468.3	1.01E-06	3.92E-06	5.20E-08	4.98E-06	8.42E-07	2.88E-06	3.73E-08	3.76E-06	9.55E-08	5.05E-07	8.86E-09	6.09E-07	8.68E-08	2.64E-07	2.68E-09	3.54E-07
7365	470328.42	3819476.78	9.76E-07	3.78E-06	5.01E-08	4.81E-06	8.13E-07	2.78E-06	3.60E-08	3.63E-06	9.21E-08	4.87E-07	8.55E-09	5.88E-07	8.37E-08	2.55E-07	2.59E-09	3.41E-07
7366	470324.81	3819485.25	9.38E-07	3.64E-06	4.82E-08	4.62E-06	7.81E-07	2.67E-06	3.46E-08	3.49E-06	8.85E-08	4.68E-07	8.22E-09	5.65E-07	8.05E-08	2.45E-07	2.49E-09	3.28E-07
7367	470312.64	3819497.15	9.41E-07	3.65E-06	4.83E-08	4.64E-06	7.83E-07	2.68E-06	3.47E-08	3.50E-06	8.88E-08	4.70E-07	8.24E-09	5.67E-07	8.07E-08	2.46E-07	2.49E-09	3.29E-07
7368	470304.08	3819500.57	9.84E-07	3.81E-06	5.05E-08	4.85E-06	8.19E-07	2.80E-06	3.63E-08	3.66E-06	9.29E-08	4.91E-07	8.62E-09	5.93E-07	8.44E-08	2.57E-07	2.61E-09	3.44E-07
7369	470339.25	3819451.34	1.06E-06	4.13E-06	5.47E-08	5.25E-06	8.87E-07	3.03E-06	3.93E-08	3.96E-06	1.01E-07	5.32E-07	9.33E-09	6.42E-07	9.14E-08	2.78E-07	2.82E-09	3.73E-07
7370	470339.33	3819441.7	1.14E-06	4.40E-06	5.83E-08	5.60E-06	9.45E-07	3.23E-06	4.19E-08	4.22E-06	1.07E-07	5.67E-07	9.95E-09	6.84E-07	9.74E-08	2.97E-07	3.01E-09	3.97E-07
7371	470339.41	3819432.05	1.20E-06	4.66E-06	6.18E-08	5.93E-06	1.00E-06	3.43E-06	4.43E-08	4.47E-06	1.13E-07	6.00E-07	1.05E-08	7.24E-07	1.03E-07	3.14E-07	3.19E-09	4.21E-07
7372	470339.5	3819422.4	1.26E-06	4.90E-06	6.49E-08	6.22E-06	1.05E-06	3.60E-06	4.66E-08	4.70E-06	1.19E-07	6.30E-07	1.11E-08	7.60E-07	1.08E-07	3.30E-07	3.35E-09	4.42E-07
7373	470339.58	3819412.75	1.31E-06	5.10E-06	6.75E-08	6.48E-06	1.09E-06	3.74E-06	4.85E-08	4.89E-06	1.24E-07	6.56E-07	1.15E-08	7.92E-07	1.13E-07	3.43E-07	3.48E-09	4.60E-07
7374	470339.66	3819403.1	1.36E-06	5.26E-06	6.96E-08	6.68E-06	1.13E-06	3.86E-06	5.00E-08	5.04E-06	1.28E-07	6.77E-07	1.19E-08	8.16E-07	1.16E-07	3.54E-07	3.59E-09	4.74E-07
7375	470339.74	3819393.46	1.39E-06	5.38E-06	7.12E-08	6.83E-06	1.15E-06	3.95E-06	5.11E-08	5.16E-06	1.31E-07	6.92E-07	1.21E-08	8.35E-07	1.19E-07	3.62E-07	3.67E-09	4.85E-07
7376	470339.83	3819383.81	1.41E-06	5.45E-06	7.22E-08	6.93E-06	1.17E-06	4.01E-06	5.18E-08	5.23E-06	1.33E-07	7.02E-07	1.23E-08	8.47E-07	1.21E-07	3.67E-07	3.73E-09	4.92E-07
7377	470339.91	3819374.16	1.41E-06	5.49E-06	7.27E-08	6.98E-06	1.18E-06	4.03E-06	5.22E-08	5.26E-06	1.34E-07	7.06E-07	1.24E-08	8.52E-07	1.21E-07	3.70E-07	3.75E-09	4.95E-07
7378	470339.99	3819364.51	1.41E-06	5.49E-06	7.27E-08	6.97E-06	1.18E-06	4.03E-06	5.22E-08	5.26E-06	1.34E-07	7.06E-07	1.24E-08	8.52E-07	1.21E-07	3.70E-07	3.75E-09	4.95E-07
7379	470340.08	3819354.86	1.40E-06	5.45E-06	7.22E-08	6.92E-06	1.17E-06	4.00E-06	5.18E-08	5.22E-06	1.33E-07	7.01E-07	1.23E-08	8.46E-07	1.21E-07	3.67E-07	3.72E-09	4.91E-07
7380	470340.16	3819345.21	1.38E-06	5.37E-06	7.12E-08	6.83E-06	1.15E-06	3.95E-06	5.11E-08	5.15E-06	1.31E-07	6.91E-07	1.21E-08	8.34E-07	1.19E-07	3.62E-07	3.67E-09	4.85E-07
7381	470340.24	3819335.57	1.36E-06	5.26E-06	6.97E-08	6.68E-06	1.13E-06	3.86E-06	5.00E-08	5.04E-06	1.28E-07	6.77E-07	1.19E-08	8.17E-07	1.16E-07	3.54E-07	3.59E-09	4.74E-07
7382	470340.32	3819325.92	1.32E-06	5.11E-06	6.77E-08	6.50E-06	1.10E-06	3.76E-06	4.86E-08	4.90E-06	1.24E-07	6.58E-07	1.16E-08	7.94E-07	1.13E-07	3.45E-07	3.49E-09	4.61E-07
7383	470340.41	3819316.27	1.27E-06	4.93E-06	6.54E-08	6.27E-06	1.06E-06	3.63E-06	4.69E-08	4.73E-06	1.20E-07	6.35E-07	1.11E-08	7.66E-07	1.09E-07	3.33E-07	3.37E-09	4.45E-07
7384	470340.49	3819306.62	1.22E-06	4.72E-06	6.26E-08	6.00E-06	1.01E-06	3.47E-06	4.49E-08	4.53E-06	1.15E-07	6.08E-07	1.07E-08	7.33E-07	1.05E-07	3.18E-07	3.23E-09	4.26E-07
7385	470340.57	3819296.97	1.15E-06	4.48E-06	5.93E-08	5.69E-06	9.62E-07	3.29E-06	4.26E-08	4.29E-06	1.09E-07	5.76E-07	1.01E-08	6.95E-07	9.91E-08	3.02E-07	3.06E-09	4.04E-07
7386	470340.65	3819287.33	1.08E-06	4.20E-06	5.57E-08	5.34E-06	9.02E-07	3.09E-06	4.00E-08	4.03E-06	1.02E-07	5.41E-07	9.49E-09	6.53E-07	9.30E-08	2.83E-07	2.87E-09	3.79E-07
7387	470340.74	3819277.68	1.01E-06	3.90E-06	5.16E-08	4.96E-06	8.37E-07	2.86E-06	3.71E-08	3.74E-06	9.49E-08	5.02E-07	8.81E-09	6.06E-07	8.63E-08	2.63E-07	2.66E-09	3.52E-07
7388	470340.82	3819268.03	9.21E-07	3.57E-06	4.73E-08	4.54E-06	7.67E-07	2.63E-06	3.40E-08	3.43E-06	8.70E-08	4.60E-07	8.07E-09	5.55E-07	7.91E-08	2.41E-07	2.44E-09

7389	470340.9	3819258.38	8.34E-07	3.24E-06	4.29E-08	4.11E-06	6.95E-07	2.38E-06	3.08E-08	3.10E-06	7.88E-08	4.17E-07	7.31E-09	5.03E-07	7.16E-08	2.18E-07	2.21E-09	2.92E-07
7390	470340.99	3819248.73	7.47E-07	2.90E-06	3.84E-08	3.68E-06	6.22E-07	2.13E-06	2.75E-08	2.78E-06	7.05E-08	3.73E-07	6.54E-09	4.50E-07	6.41E-08	1.95E-07	1.98E-09	2.61E-07
7391	470345.74	3819459.67	9.38E-07	3.64E-06	4.82E-08	4.62E-06	7.81E-07	2.67E-06	3.46E-08	3.49E-06	8.86E-08	4.68E-07	8.22E-09	5.65E-07	8.05E-08	2.45E-07	2.49E-09	3.28E-07
7392	470338.72	3819476.16	8.89E-07	3.45E-06	4.57E-08	4.38E-06	7.40E-07	2.53E-06	3.28E-08	3.31E-06	8.39E-08	4.44E-07	7.79E-09	5.35E-07	7.63E-08	2.32E-07	2.36E-09	3.11E-07
7393	470331.7	3819492.64	8.28E-07	3.21E-06	4.26E-08	4.08E-06	6.90E-07	2.36E-06	3.05E-08	3.08E-06	7.82E-08	4.14E-07	7.26E-09	4.99E-07	7.11E-08	2.17E-07	2.20E-09	2.90E-07
7394	470319.87	3819504.2	8.31E-07	3.22E-06	4.27E-08	4.09E-06	6.92E-07	2.37E-06	3.06E-08	3.09E-06	7.84E-08	4.15E-07	7.28E-09	5.00E-07	7.13E-08	2.17E-07	2.20E-09	2.91E-07
7395	470303.23	3819510.85	8.99E-07	3.49E-06	4.62E-08	4.43E-06	7.49E-07	2.56E-06	3.32E-08	3.34E-06	8.49E-08	4.49E-07	7.88E-09	5.42E-07	7.72E-08	2.35E-07	2.38E-09	3.15E-07
7396	470349.33	3819441.78	1.01E-06	3.92E-06	5.20E-08	4.98E-06	8.42E-07	2.88E-06	3.73E-08	3.76E-06	9.55E-08	5.05E-07	8.86E-09	6.09E-07	8.68E-08	2.64E-07	2.68E-09	3.54E-07
7397	470349.41	3819432.13	1.06E-06	4.13E-06	5.47E-08	5.25E-06	8.87E-07	3.03E-06	3.93E-08	3.96E-06	1.01E-07	5.31E-07	9.33E-09	6.41E-07	9.14E-08	2.78E-07	2.82E-09	3.72E-07
7398	470349.5	3819422.49	1.11E-06	4.31E-06	5.71E-08	5.48E-06	9.26E-07	3.17E-06	4.10E-08	4.14E-06	1.05E-07	5.55E-07	9.75E-09	6.70E-07	9.55E-08	2.91E-07	2.95E-09	3.89E-07
7399	470349.58	3819412.84	1.15E-06	4.47E-06	5.92E-08	5.68E-06	9.60E-07	3.29E-06	4.25E-08	4.29E-06	1.09E-07	5.76E-07	1.01E-08	6.95E-07	9.90E-08	3.01E-07	3.06E-09	4.03E-07
7400	470349.66	3819403.19	1.19E-06	4.60E-06	6.09E-08	5.84E-06	9.88E-07	3.38E-06	4.37E-08	4.41E-06	1.12E-07	5.92E-07	1.04E-08	7.14E-07	1.02E-07	3.10E-07	3.14E-09	4.15E-07
7401	470349.74	3819393.54	1.21E-06	4.69E-06	6.21E-08	5.96E-06	1.01E-06	3.45E-06	4.46E-08	4.50E-06	1.14E-07	6.04E-07	1.06E-08	7.29E-07	1.04E-07	3.16E-07	3.21E-09	4.23E-07
7402	470349.83	3819383.89	1.22E-06	4.75E-06	6.29E-08	6.03E-06	1.02E-06	3.49E-06	4.51E-08	4.55E-06	1.16E-07	6.11E-07	1.07E-08	7.37E-07	1.05E-07	3.20E-07	3.24E-09	4.28E-07
7403	470349.91	3819374.24	1.23E-06	4.77E-06	6.32E-08	6.06E-06	1.02E-06	3.51E-06	4.54E-08	4.58E-06	1.16E-07	6.14E-07	1.08E-08	7.41E-07	1.06E-07	3.22E-07	3.26E-09	4.30E-07
7404	470349.99	3819364.6	1.23E-06	4.77E-06	6.31E-08	6.06E-06	1.02E-06	3.50E-06	4.53E-08	4.57E-06	1.16E-07	6.14E-07	1.08E-08	7.40E-07	1.05E-07	3.21E-07	3.26E-09	4.30E-07
7405	470350.07	3819354.95	1.22E-06	4.73E-06	6.26E-08	6.01E-06	1.02E-06	3.47E-06	4.50E-08	4.54E-06	1.15E-07	6.09E-07	1.07E-08	7.35E-07	1.05E-07	3.19E-07	3.23E-09	4.27E-07
7406	470350.16	3819345.3	1.20E-06	4.66E-06	6.17E-08	5.92E-06	1.00E-06	3.42E-06	4.43E-08	4.47E-06	1.13E-07	6.00E-07	1.05E-08	7.24E-07	1.03E-07	3.14E-07	3.18E-09	4.20E-07
7407	470350.24	3819335.65	1.17E-06	4.56E-06	6.04E-08	5.79E-06	9.79E-07	3.35E-06	4.33E-08	4.37E-06	1.11E-07	5.87E-07	1.03E-08	7.08E-07	1.01E-07	3.07E-07	3.11E-09	4.11E-07
7408	470350.32	3819326	1.14E-06	4.43E-06	5.86E-08	5.63E-06	9.51E-07	3.25E-06	4.21E-08	4.24E-06	1.08E-07	5.70E-07	1.00E-08	6.88E-07	9.80E-08	2.98E-07	3.03E-09	3.99E-07
7409	470350.41	3819316.36	1.10E-06	4.27E-06	5.65E-08	5.42E-06	9.16E-07	3.14E-06	4.06E-08	4.09E-06	1.04E-07	5.49E-07	9.64E-09	6.63E-07	9.45E-08	2.88E-07	2.92E-09	3.85E-07
7410	470350.49	3819306.71	1.05E-06	4.08E-06	5.41E-08	5.19E-06	8.77E-07	3.00E-06	3.88E-08	3.92E-06	9.94E-08	5.25E-07	9.22E-09	6.34E-07	9.04E-08	2.75E-07	2.79E-09	3.68E-07
7411	470350.57	3819297.06	9.98E-07	3.87E-06	5.13E-08	4.92E-06	8.31E-07	2.84E-06	3.68E-08	3.71E-06	9.43E-08	4.98E-07	8.75E-09	6.01E-07	8.57E-08	2.61E-07	2.65E-09	3.49E-07
7412	470350.65	3819287.41	9.38E-07	3.64E-06	4.82E-08	4.62E-06	7.81E-07	2.67E-06	3.46E-08	3.49E-06	8.85E-08	4.68E-07	8.22E-09	5.65E-07	8.05E-08	2.45E-07	2.49E-09	3.28E-07
7413	470350.74	3819277.76	8.72E-07	3.38E-06	4.48E-08	4.30E-06	7.26E-07	2.48E-06	3.21E-08	3.24E-06	8.23E-08	4.35E-07	7.64E-09	5.25E-07	7.48E-08	2.28E-07	2.31E-09	3.05E-07
7414	470350.82	3819268.11	8.02E-07	3.11E-06	4.12E-08	3.95E-06	6.68E-07	2.28E-06	2.96E-08	2.98E-06	7.57E-08	4.00E-07	7.03E-09	4.83E-07	6.88E-08	2.10E-07	2.13E-09	2.81E-07
7415	470350.9	3819258.47	7.30E-07	2.83E-06	3.75E-08	3.60E-06	6.08E-07	2.08E-06	2.69E-08	2.71E-06	6.89E-08	3.64E-07	6.40E-09	4.40E-07	6.27E-08	1.91E-07	1.93E-09	2.55E-07
7416	470350.98	3819248.82	6.58E-07	2.55E-06	3.38E-08	3.24E-06	5.48E-07	1.88E-06	2.43E-08	2.45E-06	6.21E-08	3.29E-07	5.77E-09	3.96E-07	5.65E-08	1.72E-07	1.74E-09	2.30E-07
7417	470355.81	3819459.59	8.49E-07	3.29E-06	4.36E-08	4.18E-06	7.07E-07	2.42E-06	3.13E-08	3.16E-06	8.01E-08	4.24E-07	7.44E-09	5.11E-07	7.29E-08	2.22E-07	2.25E-09	2.97E-07
7418	470348.93	3819475.74	8.12E-07	3.15E-06	4.17E-08	4.00E-06	6.76E-07	2.31E-06	2.99E-08	3.02E-06	7.67E-08	4.05E-07	7.11E-09	4.89E-07	6.97E-08	2.12E-07	2.15E-09	2.84E-07
7419	470342.06	3819491.88	7.64E-07	2.96E-06	3.92E-08	3.77E-06	6.36E-07	2.18E-06	2.82E-08	2.84E-06	7.21E-08	3.81E-07	6.69E-09	4.60E-07	6.56E-08	2.00E-07	2.02E-09	2.67E-07
7420	470327.03	3819511.29	7.41E-07	2.87E-06	3.81E-08	3.65E-06	6.17E-07	2.11E-06	2.73E-08	2.76E-06	7.00E-08	3.70E-07	6.49E-09	4.46E-07	6.36E-08	1.94E-07	1.96E-09	2.59E-07
7421	470310.73	3819517.8	7.97E-07	3.09E-06	4.09E-08	3.93E-06	6.63E-07	2.27E-06	2.94E-08	2.96E-06	7.52E-08	3.98E-07	6.98E-09	4.80E-07	6.84E-08	2.08E-07	2.11E-09	2.79E-07
7422	470359.33	3819441.87	9.07E-07	3.52E-06	4.66E-08	4.47E-06	7.55E-07	2.58E-06	3.34E-08	3.37E-06	8.56E-08	4.53E-07	7.95E-09	5.46E-07	7.79E-08	2.37E-07	2.40E-09	3.17E-07
7423	470359.41	3819432.22	9.50E-07	3.68E-06	4.88E-08	4.68E-06	7.91E-07	2.71E-06	3.50E-08	3.53E-06	8.97E-08	4.74E-07	8.32E-09	5.72E-07	8.15E-08	2.48E-07	2.52E-09	3.32E-07
7424	470359.5	3819422.57	9.88E-07	3.83E-06	5.08E-08	4.87E-06	8.23E-07	2.82E-06	3.64E-08	3.68E-06	9.33E-08	4.93E-07	8.66E-09	5.95E-07	8.48E-08	2.58E-07	2.62E-09	3.46E-07
7425	470359.58	3819412.92	1.02E-06	3.96E-06	5.25E-08	5.03E-06	8.51E-07	2.91E-06	3.77E-08	3.80E-06	9.64E-08	5.10E-07	8.95E-09	6.15E-07	8.77E-08	2.67E-07	2.71E-09	3.57E-07
7426	470359.66	3819403.28	1.05E-06	4.06E-06	5.38E-08	5.16E-06	8.72E-07	2.98E-06	3.86E-08	3.90E-06	9.89E-08	5.23E-07	9.18E-09	6.31E-07	8.99E-08	2.74E-07	2.78E-09	3.66E-07
7427	470359.74	3819393.63	1.07E-06	4.13E-06	5.48E-08	5.26E-06	8.88E-07	3.04E-06	3.93E-08	3.97E-06	1.01E-07	5.32E-07	9.34E-09	6.42E-07	9.15E-08	2.79E-07	2.83E-09	3.73E-07
7428	470359.83	3819383.98	1.08E-06	4.18E-06	5.53E-08	5.31E-06	8.97E-07	3.07E-06	3.97E-08	4.01E-06	1.02E-07	5.38E-07	9.44E-09	6.49E-07	9.25E-08	2.82E-07	2.86E-09	3.77E-07
7429	470359.91	3819374.33	1.08E-06	4.19E-06	5.56E-08	5.33E-06	9.01E-07	3.08E-06	3.99E-08	4.02E-06	1.02E-07	5.40E-07	9.47E-09	6.51E-07	9.28E-08	2.83E-07	2.87E-09	3.78E-07
7430	470359.99	3819364.68	1.08E-06	4.18E-06	5.54E-08	5.32E-06	8.98E-07	3.07E-06	3.98E-08	4.01E-06	1.02E-07	5.38E-07	9.45E-09	6.50E-07	9.26E-08	2.82E-07	2.86E-09	3.77E-07
7431	470360.07	3819355.03	1.07E-06	4.14E-06	5.49E-08	5.27E-06	8.90E-07	3.05E-06	3.94E-08	3.98E-06	1.01E-07	5.34E-07	9.37E-09	6.44E-07	9.17E-08	2.79E-07	2.83E-09	3.74E-07
7432	470360.16	3819345.39	1.05E-06	4.08E-06	5.40E-08	5.19E-06	8.76E-07	3.00E-06	3.88E-08	3.91E-06	9.93E-08	5.25E-07	9.22E-09	6.34E-07	9.03E-08	2.75E-07	2.79E-09	3.68E-07
7433	470360.24	3819335.74	1.03E-06	3.99E-06	5.28E-08	5.07E-06	8.57E-07	2.93E-06	3.79E-08	3.82E-06	9.71E-08	5.13E-07	9.01E-09	6.20E-07	8.83E-08	2.69E-07	2.73E-09	3.60E-07
7434	470360.32	3819326.09	9.98E-07	3.87E-06	5.13E-08	4.92E-06	8.32E-07	2.85E-06	3.68E-08	3.71E-06	9.43E-08	4.98E-07	8.75E-09	6.02E-07	8.57E-08	2.61E-07	2.65E-09	3.49E-07
7435	470360.41	3819316.44	9.62E-07	3.73E-06	4.94E-08	4.74E-06	8.02E-07	2.74E-06	3.55E-08	3.58E-06	9.09E-08	4.80E-07	8.43E-09	5.80E-07	8.26E-08	2.52E-07	2.55E-09	3.37E-07
7436	470360.49	3819306.79	9.20E-07	3.57E-06	4.73E-08	4.54E-06	7.67E-07	2.62E-06	3.39E-08	3.42E-06	8.69E-08	4.60E-07	8.07E-09	5.55E-07	7.90E-08	2.41E-07	2.44E-09	3.22E-07
7437	470360.57	3819297.15	8.73E-07	3.39E-06	4.49E-08	4.31E-06	7.27E-07	2.49E-06	3.22E-08	3.25E-06	8.25E-08	4.36E-07	7.65E-09	5.26E-07	7.50E-08	2.28E-07	2.32E-09	3.06E-07
7438	470360.65	3819287.5	8.21E-07	3.19E-06	4.22E-08	4.05E-06	6.84E-07	2.34E-06	3.03E-08	3.05E-06	7.76E-08	4.10E-07	7.20E-09	4.95E-07	7.05E-08	2.15E-07	2.18E-09	2.87E-07
7439	470360.74	3819277.85	7.65E-07	2.97E-06	3.93E-08	3.77E-06	6.37E-07	2.18E-06	2.82E-08	2.85E-06	7.22E-08	3.82E-07	6.70E-09	4.61E-07	6.57E-08	2.00E-07	2.03E-09	2.68E-07
7440	470360.82	3819268.2	7.06E-07	2.74E-06	3.63E-08	3.48E-06	5.88E-07	2.01E-06	2.60E-08	2.63E-06	6.67E-08	3.53E-07	6.19E-09	4.25E-07	6.06E-08	1.85E-07	1.87E-09	2.47E-07
7441	470360.9	3819258.55	6.46E-07	2.50E-06	3.32E-08	3.18E-06	5.38E-07	1.84E-06	2.38E-08	2.40E-06	6.10E-08	3.22E-07	5.66E-09	3.89E-07	5.54E-08	1.69E-07	1.71E-09	2.26E-07
7442	470360.98	3819248.9	5.86E-07	2.27E-06	3.01E-08	2.89E-06	4.88E-07	1.67E-06	2.16E-08	2.18E-06	5.53E-08	2.92E-07	5.13E-09	3.53E-07	5.03E-08	1.53E-07	1.55E-09	2.05E-07
7443	470365.86	3819459.55	7.72E-07	2.99E-06	3.97E-08	3.80E-06	6.43E-07	2.20E-06	2.85E-08	2.87E-06	7.29E-08	3.85E-07	6.76E-09	4.65E-07	6.62E-08	2.02E-07	2.05E-09	2.70E-07
7444	470359.09	3819475.44	7.44E-07	2.88E-06	3.82E-08	3.67E-06	6.19E-07	2.12E-06	2.74E-08	2.77E-06	7.02E-08	3.71E-07	6.52E-09	4.48E-07	6.38E-08	1.94E-07	1.97E-09	2.60E-07
7445	470352.32	3819491.34	7.05E-07	2.74E-06	3.62E-08	3.48E-06	5.88E-07	2.01E-06	2.60E-08	2.62E-06	6.66E-08	3.52E-07	6.18E-09	4.25E-07	6.06E-08	1.84E-07	1.87E-09	2.47E-07
7446	470345.55	3819507.23	6.64E-07	2.57E-06	3.41E-08	3.27E-06	5.53E-07	1.89E-06	2.45E-08	2.47E-06	6.27E-08	3.31E-07	5.82E-09	4.00E-07	5.70E-08	1.74E-07	1.76E-09	2.32E-07
7447	470334.15	3819518.39	6.66E-07	2.58E-06	3.42E-08	3.28E-06	5.54E-07	1.90E-06	2.45E-08	2.48E-06	6.28E-08	3.32E-07	5.83E-09	4.01E-07	5.71E-08	1.74E-07	1.76E-09	2.33E-07
7448	470318.11	3819524.8	7.12E-07	2.76E-06	3.66E-08	3.51E-06	5.93E-07	2.03E-06	2.63E-08	2.65E-06	6.72E-08	3.55E-07	6.24E-09	4.29E-07	6.11E-08	1.86E-07	1.89E-09	2.49E-07
7449	470302.06	3819531.21	7.59E-07	2.94E-06	3.90E-08	3.74E-06	6.32E-07	2.16E-06	2.80E-08	2.82E-06	7.16E-08	3.79E-07	6.65E-09	4.57E-07	6.51E-08	1.98E-07	2.01E-09	2.66E-07
7450	470369.33	3819441.95	8.18E-07	3.17E-06	4.20E-08	4.03E-06	6.82E-07	2.33E-06	3.02E-08	3.04E-06	7.73E-08	4.09E-07	7.17E-09	4.93E-07	7.03E-08	2.14E-07	2.17E-09	2.86E-07
7451	470369.41	3819432.31	8.53E-07	3.31E-06	4.38E-08	4.21E-06	7.11E-07	2.43E-06	3.15E-08	3.17E-06	8.06E-08	4.26E-07	7.48E-09	5.14E-07	7.33E-08	2.23E-07	2.26E-09	2.99E-07
7452	470369.49	3819422.66	8.85E-07	3.43E-06	4.55E-08	4.36E-06	7.37E-07	2.52E-06	3.26E-08	3.29E-06	8.35E-08	4.42E-07	7.75E-09	5.33E-07	7.60E-08	2.31E-07	2.35E-09	3.10E-07
7453	470369.58	3819413.01	9.11E-07	3.53E-06	4.68E-08	4.49E-06	7.59E-07	2.60E-06	3.36E-08	3.39E-06	8.60E-08	4.55E-07	7.98E-09	5.49E-07	7.82E-08	2.38E-07	2.42E-09	3.19E-07
7454	470369.66	3819403.36	9.32E-07	3.62E-06	4.79E-08	4.60E-06	7.76E-07	2.66E-06	3.44E-08	3.47E-06	8.80E-08	4.65E-07	8.17E-09	5.62E-07	8.00E-08	2.44E-07	2.47E-09	3.26E-07
7455	470369.74	3819393.71	9.47E-07	3.67E-06	4.87E-08	4.67E-06	7.89E-07	2.70E-06	3.49E-08	3.52E-06	8.94E-08	4.73E-07	8.30E-09	5.71E-07	8.13E-08	2.48E-07	2.51E-09	3.31E-07
7456	470369.83	3819384.06	9.56E-07	3.71E-06	4.91E-08	4.71E-06	7.96E-07	2.72E-06	3.52E-08	3.56E-06	9.03E-08	4.77E-07	8.38E-09	5.76E-07	8.20E-08	2.50E-07	2.53E-09	3.34E-07
7457	470369.91	3819374.42	9.58E-07	3.72E-06	4.92E-08	4.72E-06	7.98E-07	2.73E-06	3.53E-08	3.56E-06	9.05E-08	4.78E-07	8.40E-09	5.77E-07	8.23E-08	2.50E-07	2.54E-09	3.35E-07
7458	470369.99	3819364.77	9.55E-07	3.70E-06	4.90E-08	4.71E-06	7.95E-07	2.72E-06	3.52E-08	3.55E-06	9.01E-08	4.77E-07	8.36E-09	5.75E-07	8.19E-08	2.50E-07	2.53E-09	3.34E-07
7459	470370.07	3819355.12	9.45E-07	3.66E-06	4.85E-08	4.66E-06	7.87E-07	2.69E-06	3.48E-08	3.51E-06	8.92E-08	4.72E-07	8.28E-09	5.69E-07	8.11E-08	2.47E-07	2.50E-09	3.31E-07
7460	470370.16	3819345.47	9.29E-07	3.60E-06	4.77E-08	4.58E-06	7.74E-07	2.65E-06	3.43E-08	3.46E-06	8.77E-08	4.64E-07	8.14E-09	5.60E-07	7.98E-08	2.43E-07	2.46E-09	3.25E-07
7461	470370.24	3819335.82	9.08E-07	3.52E-06	4.67E-08	4.48E-06	7.56E-07	2.59E-06	3.35E-08	3.38E-06	8.58E-08	4.53E-07	7.96E-09	5.47E-07	7.80E-08	2.37E-07	2.41E-09	3.18E-07
7462	470370.32	3819326.18	8.82E-07	3.42E-06	4.53E-08	4.35E-06	7.34E-07	2.51E-06	3.25E-08	3.28E-06	8.33E-08	4.40E-07	7.73E-09	5.31E-07	7.57E-08	2.30E-07	2.34E-09	3.08E-07
7463	470370.4	3819316.53	8.50E-07	3.30E-06	4.37E-08	4.19E-06	7.08E-07	2.42E-06	3.13E-08	3.16E-06	8.02E-08	4.24E-07	7.45E-09	5.12E-07	7.30E-08	2.22E-07	2.25E-09	2.97E-07
7464	470370.49	3819306.88	8.13E-07	3.15E-06	4.18E-08	4.01E-06	6.77E-07	2.32E-06	3.00E-08	3.02E-06	7.68E-08	4.06E-07	7.12E-09	4.90E-07	6.98E-08	2.13E-07	2.16E-09	2.84E-07
7465	470370.57	3819297.23	7.72E-07	2.99E-06	3.97E-08	3.80E-06	6.43E-07	2.20E-06	2.85E-08	2.87E-06	7.29E-08	3.85E-07	6.76E-09	4.65E-07	6.62E-08	2.02E-07	2.05E-09	2.70E-07
7466	470370.65	3819287.58	7.27E-07	2.82E-06	3.73E-08	3.58E-06	6.05E-07	2.07E-06	2.68E-08	2.70E-06	6.86E-08	3.63E-07	6.37E-09	4.38E-07	6.24E-08	1.90E-07	1.93E-09	2.54E-07
7467	470370.74	3819277.93	6.78E-07	2.63E-06	3.49E-08	3.34E-06	5.65E-07	1.93E-06	2.50E-08	2.52E-06	6.41E-08	3.39E-07	5.95E-09	4.09E-07	5.82E-08	1.77E-07	1.80E-09	2.37E-07
7468	470370.82	3819268.29	6.28E-07	2.44E-06	3.23E-08	3.10E-06	5.23E-07	1.79E-06	2.32E-08	2.34E-06	5.93E-08	3.14E-07	5.51E-09	3.79E-07	5.39E-08	1.64E-07	1.67E-09	2.20E-07
7469	470370.9	3819258.64	5.77E-07	2.24E-06	2.96E-08	2.84E-06	4.81E-07	1.64E-06	2.13E-08	2.15E-06	5.45E-08	2.88E-07	5.06E-09	3.48E-07	4.95E-08	1.51E-07	1.53E-09	2.02E-07
7470	470370.98	3819248.99	5.26E-07	2.04E-06	2.70E-08	2.59E-06	4.38E-07	1.50E-06	1.94E-08	1.96E-06	4.97E-08	2.63E-07	4.61E-09	3.17E-07	4.52E-08	1.38E-07	1.39E-09	1.84E-07
7471	470375.49	3819460.52	7.03E-07	2.73E-06	3.61E-08	3.47E-06	5.86E-07	2.00E-06	2.59E-08	2.62E-06	6.64E-08	3.51E-07	6.16E-09	4.24E-07	6.04E-08	1.84E-07	1.86E-09	2.46E-07
7472	470371.72	3819469.35	6.92E-07	2.69E-06	3.56E-08	3.41E-06	5.77E-07	1.97E-06	2.55E-08	2.58E-06	6.54E-08	3.46E-07	6.07E-09	4.17E-07	5.94E-08	1.81E-07	1.84E-09	2.42E-07
7473	470367.96	3819478.18	6.78E-07	2.63E-06	3.48E-08	3.34E-06	5.65E-07	1.93E-06	2.50E-08	2.52E-06	6.40E-08	3.39E-07	5.94E-09	4.09E-07	5.82E-08	1.77E-07	1.80E-09	2.37E-07
7474	470364.2	3819487.01	6.61E-07	2.56E-06	3.40E-08	3.26E-06	5.51E-07	1.88E-06	2.44E-08	2.46E-06	6.24E-08	3.30E-07	5.80E-09	3.98E-07	5.68E-08	1.73E-07	1.75E-09	2.31E-07
7475	470360.44	3819495.84	6.42E-07	2.49E-06	3.30E-08	3.17E-06	5.35E-07	1.83E-06	2.37E-08	2.39E-06	6.07E-08	3.21E-07	5.63E-09	3.87E-07	5.52E-08	1.68E-07	1.70E-09	2.25E-07
7476	470356.68	3819504.67	6.23E-07	2.42E-06	3.20E-08	3.07E-06	5.19E-07	1.77E-06	2.30E-08	2.32E-06	5.88E-08	3.11E-07	5.46E-09	3.75E-07	5.35E-08	1.63E-07	1.65E-09	2.18E-07
7477	470352.92	3819513.5	6.03E-07	2.34E-06	3.10E-08	2.97E-06	5.02E-07	1.72E-06	2.22E-08	2.24E-06	5.69E-08	3.01E-07	5.28E-09	3.63E-07	5.17E-08	1.58E-07	1.60E-09	2.11E-07
7478	470340.25	3819525.89	6.04E-07	2.34E-06	3.10E-08	2.98E-06	5.03E-07	1.72E-06	2.23E-08	2.25E-06	5.70E-08	3.02E-07	5.29E-09	3.64E-07	5.19E-08	1.58E-07	1.60E-09	2.11E-07
7479	470331.34	3819529.45	6.26E-07	2.43E-06	3.22E-08	3.09E-06	5.21E-07	1.78E-06	2.31E-08	2.33E-06	5.91E-08	3.13E-07	5.49E-09	3.77E-07	5.37E-08	1.64E-07	1.66E-09	2.19E-07
7480	470322.42	3819533.01	6.48E-07	2.51E-06	3.33E-08	3.20E-06	5.40E-07	1.85E-06	2.39E-08	2.41E-06	6.12E-08	3.24E-07	5.68E-09	3.91E-07	5.57E-08	1.69E-07	1.72E-09	2.27E-07
7481	470313.51	3819536.58	6.71E-07	2.60E-06	3.45E-08	3.31E-06	5.59E-07	1.91E-06	2.47E-08	2.50E-06	6.34E-08	3.35E-07	5.88E-09	4.04E-07	5.76E-08	1.75E-07	1.78E-09	2.35E-07
7482	470304.6	3819540.14	6.94E-07	2.69E-06	3.56E-08	3.42E-06	5.78E-07	1.98E-06	2.56E-08	2.58E-06	6.55E-08	3.46E-07	6.08E-09	4.18E-07	5.95E-08	1.81E-07	1.84E-09	2.43E-07
7483	470379.25	3819451.69	7.11E-07	2.76E-06	3.65E-08	3.51E-06	5.92E-07	2.03E-06	2.62E-08	2.64E-06	6.71E-08	3.55E-07	6.23E-09	4.28E-07	6.10E-08	1.86E-07	1.88E-09	2.49E-07
7484	470379.33	3819442.04	7.42E-07	2.88E-06	3.81E-08	3.66E-06	6.18E-07	2.12E-06	2.74E-08	2.76E-06	7.01E-08	3.71E-07	6.50E-09	4.47E-07	6.37E-08	1.94E-07	1.97E-09	2.

7485	470379.41	3819432.39	7.71E-07	2.99E-06	3.96E-08	3.80E-06	6.42E-07	2.20E-06	2.84E-08	2.87E-06	7.28E-08	3.85E-07	6.76E-09	4.65E-07	6.62E-08	2.02E-07	2.04E-09	2.70E-07
7486	470379.49	3819422.74	7.97E-07	3.09E-06	4.09E-08	3.93E-06	6.64E-07	2.27E-06	2.94E-08	2.96E-06	7.53E-08	3.98E-07	6.98E-09	4.80E-07	6.84E-08	2.08E-07	2.11E-09	2.79E-07
7487	470379.58	3819413.09	8.18E-07	3.17E-06	4.21E-08	4.03E-06	6.82E-07	2.33E-06	3.02E-08	3.04E-06	7.73E-08	4.09E-07	7.17E-09	4.93E-07	7.03E-08	2.14E-07	2.17E-09	2.86E-07
7488	470379.66	3819403.45	8.35E-07	3.24E-06	4.29E-08	4.12E-06	6.96E-07	2.38E-06	3.08E-08	3.11E-06	7.89E-08	4.17E-07	7.32E-09	5.03E-07	7.17E-08	2.18E-07	2.21E-09	2.92E-07
7489	470379.74	3819393.8	8.47E-07	3.29E-06	4.35E-08	4.18E-06	7.06E-07	2.41E-06	3.12E-08	3.15E-06	8.00E-08	4.23E-07	7.43E-09	5.10E-07	7.27E-08	2.22E-07	2.25E-09	2.96E-07
7490	470379.83	3819384.15	8.54E-07	3.31E-06	4.39E-08	4.21E-06	7.11E-07	2.43E-06	3.15E-08	3.18E-06	8.06E-08	4.26E-07	7.48E-09	5.14E-07	7.33E-08	2.23E-07	2.26E-09	2.99E-07
7491	470379.91	3819374.5	8.55E-07	3.32E-06	4.39E-08	4.22E-06	7.12E-07	2.44E-06	3.15E-08	3.18E-06	8.07E-08	4.27E-07	7.49E-09	5.15E-07	7.34E-08	2.24E-07	2.27E-09	2.99E-07
7492	470379.99	3819364.85	8.51E-07	3.30E-06	4.37E-08	4.19E-06	7.09E-07	2.43E-06	3.14E-08	3.17E-06	8.04E-08	4.25E-07	7.46E-09	5.13E-07	7.31E-08	2.22E-07	2.26E-09	2.98E-07
7493	470380.07	3819355.21	8.42E-07	3.26E-06	4.32E-08	4.15E-06	7.01E-07	2.40E-06	3.10E-08	3.13E-06	7.95E-08	4.20E-07	7.37E-09	5.07E-07	7.22E-08	2.20E-07	2.23E-09	2.94E-07
7494	470380.16	3819345.56	8.27E-07	3.21E-06	4.25E-08	4.08E-06	6.89E-07	2.36E-06	3.05E-08	3.08E-06	7.81E-08	4.13E-07	7.25E-09	4.98E-07	7.10E-08	2.16E-07	2.19E-09	2.89E-07
7495	470380.24	3819335.91	8.08E-07	3.13E-06	4.15E-08	3.98E-06	6.73E-07	2.30E-06	2.98E-08	3.01E-06	7.63E-08	4.04E-07	7.08E-09	4.87E-07	6.94E-08	2.11E-07	2.14E-09	2.83E-07
7496	470380.32	3819326.26	7.85E-07	3.04E-06	4.03E-08	3.87E-06	6.54E-07	2.24E-06	2.89E-08	2.92E-06	7.41E-08	3.92E-07	6.88E-09	4.73E-07	6.74E-08	2.05E-07	2.08E-09	2.75E-07
7497	470380.4	3819316.61	7.56E-07	2.93E-06	3.89E-08	3.73E-06	6.30E-07	2.16E-06	2.79E-08	2.81E-06	7.14E-08	3.78E-07	6.63E-09	4.56E-07	6.49E-08	1.98E-07	2.01E-09	2.65E-07
7498	470380.49	3819306.96	7.24E-07	2.81E-06	3.72E-08	3.57E-06	6.03E-07	2.06E-06	2.67E-08	2.69E-06	6.84E-08	3.61E-07	6.34E-09	4.36E-07	6.21E-08	1.89E-07	1.92E-09	2.53E-07
7499	470380.57	3819297.32	6.88E-07	2.67E-06	3.53E-08	3.39E-06	5.73E-07	1.96E-06	2.54E-08	2.56E-06	6.49E-08	3.43E-07	6.03E-09	4.14E-07	5.90E-08	1.80E-07	1.82E-09	2.41E-07
7500	470380.65	3819287.67	6.49E-07	2.52E-06	3.33E-08	3.20E-06	5.40E-07	1.85E-06	2.39E-08	2.41E-06	6.12E-08	3.24E-07	5.68E-09	3.91E-07	5.57E-08	1.70E-07	1.72E-09	2.27E-07
7501	470380.74	3819278.02	6.07E-07	2.35E-06	3.12E-08	2.99E-06	5.06E-07	1.73E-06	2.24E-08	2.26E-06	5.73E-08	3.03E-07	5.32E-09	3.66E-07	5.21E-08	1.59E-07	1.61E-09	2.12E-07
7502	470380.82	3819268.37	5.64E-07	2.19E-06	2.90E-08	2.78E-06	4.69E-07	1.61E-06	2.08E-08	2.10E-06	5.32E-08	2.81E-07	4.94E-09	3.40E-07	4.84E-08	1.47E-07	1.49E-09	1.97E-07
7503	470380.9	3819258.72	5.20E-07	2.02E-06	2.67E-08	2.56E-06	4.33E-07	1.48E-06	1.92E-08	1.93E-06	4.91E-08	2.59E-07	4.55E-09	3.13E-07	4.46E-08	1.36E-07	1.38E-09	1.82E-07
7504	470380.98	3819249.08	4.76E-07	1.85E-06	2.44E-08	2.35E-06	3.96E-07	1.36E-06	1.75E-08	1.77E-06	4.49E-08	2.38E-07	4.17E-09	2.87E-07	4.08E-08	1.24E-07	1.26E-09	1.67E-07
7505	470395.64	3819460.34	5.93E-07	2.30E-06	3.05E-08	2.92E-06	4.94E-07	1.69E-06	2.19E-08	2.21E-06	5.60E-08	2.96E-07	5.20E-09	3.57E-07	5.09E-08	1.55E-07	1.57E-09	2.08E-07
7506	470392.03	3819468.81	5.87E-07	2.28E-06	3.02E-08	2.89E-06	4.89E-07	1.67E-06	2.17E-08	2.18E-06	5.54E-08	2.93E-07	5.14E-09	3.54E-07	5.04E-08	1.53E-07	1.56E-09	2.05E-07
7507	470388.41	3819477.29	5.79E-07	2.25E-06	2.97E-08	2.85E-06	4.82E-07	1.65E-06	2.13E-08	2.15E-06	5.47E-08	2.89E-07	5.07E-09	3.49E-07	4.97E-08	1.51E-07	1.53E-09	2.03E-07
7508	470384.8	3819485.77	5.69E-07	2.21E-06	2.92E-08	2.80E-06	4.74E-07	1.62E-06	2.10E-08	2.12E-06	5.37E-08	2.84E-07	4.98E-09	3.43E-07	4.88E-08	1.49E-07	1.51E-09	1.99E-07
7509	470381.19	3819494.25	5.57E-07	2.16E-06	2.86E-08	2.75E-06	4.64E-07	1.59E-06	2.05E-08	2.07E-06	5.26E-08	2.78E-07	4.88E-09	3.35E-07	4.78E-08	1.46E-07	1.48E-09	1.95E-07
7510	470377.58	3819502.72	5.44E-07	2.11E-06	2.79E-08	2.68E-06	4.53E-07	1.55E-06	2.00E-08	2.02E-06	5.13E-08	2.71E-07	4.76E-09	3.27E-07	4.67E-08	1.42E-07	1.44E-09	1.90E-07
7511	470373.97	3819511.2	5.29E-07	2.05E-06	2.72E-08	2.61E-06	4.41E-07	1.51E-06	1.95E-08	1.97E-06	5.00E-08	2.64E-07	4.64E-09	3.19E-07	4.54E-08	1.38E-07	1.40E-09	1.85E-07
7512	470370.36	3819519.68	5.15E-07	2.00E-06	2.64E-08	2.54E-06	4.29E-07	1.47E-06	1.90E-08	1.91E-06	4.86E-08	2.57E-07	4.51E-09	3.10E-07	4.42E-08	1.35E-07	1.36E-09	1.80E-07
7513	470366.75	3819528.15	5.00E-07	1.94E-06	2.57E-08	2.46E-06	4.16E-07	1.42E-06	1.84E-08	1.86E-06	4.72E-08	2.50E-07	4.38E-09	3.01E-07	4.29E-08	1.31E-07	1.32E-09	1.75E-07
7514	470354.59	3819540.05	5.01E-07	1.94E-06	2.57E-08	2.47E-06	4.17E-07	1.43E-06	1.85E-08	1.86E-06	4.73E-08	2.50E-07	4.39E-09	3.02E-07	4.30E-08	1.31E-07	1.33E-09	1.75E-07
7515	470346.03	3819543.47	5.17E-07	2.00E-06	2.65E-08	2.55E-06	4.30E-07	1.47E-06	1.91E-08	1.92E-06	4.88E-08	2.58E-07	4.53E-09	3.11E-07	4.43E-08	1.35E-07	1.37E-09	1.81E-07
7516	470337.47	3819546.89	5.33E-07	2.07E-06	2.74E-08	2.63E-06	4.44E-07	1.52E-06	1.96E-08	1.98E-06	5.03E-08	2.66E-07	4.67E-09	3.21E-07	4.57E-08	1.39E-07	1.41E-09	1.86E-07
7517	470328.92	3819550.31	5.49E-07	2.13E-06	2.82E-08	2.71E-06	4.57E-07	1.57E-06	2.03E-08	2.04E-06	5.19E-08	2.74E-07	4.81E-09	3.31E-07	4.72E-08	1.44E-07	1.46E-09	1.92E-07
7518	470320.36	3819553.73	5.66E-07	2.20E-06	2.91E-08	2.79E-06	4.71E-07	1.61E-06	2.09E-08	2.11E-06	5.34E-08	2.83E-07	4.96E-09	3.41E-07	4.86E-08	1.48E-07	1.50E-09	1.98E-07
7519	470311.8	3819557.14	5.83E-07	2.26E-06	2.99E-08	2.87E-06	4.85E-07	1.66E-06	2.15E-08	2.17E-06	5.50E-08	2.91E-07	5.11E-09	3.51E-07	5.00E-08	1.52E-07	1.55E-09	2.04E-07
7520	470303.25	3819560.56	6.00E-07	2.33E-06	3.08E-08	2.96E-06	4.99E-07	1.71E-06	2.21E-08	2.23E-06	5.66E-08	2.99E-07	5.25E-09	3.61E-07	5.15E-08	1.57E-07	1.59E-09	2.10E-07
7521	470399.25	3819451.86	5.97E-07	2.32E-06	3.07E-08	2.94E-06	4.97E-07	1.70E-06	2.20E-08	2.22E-06	5.64E-08	2.98E-07	5.23E-09	3.60E-07	5.12E-08	1.56E-07	1.58E-09	2.09E-07
7522	470399.33	3819442.21	6.19E-07	2.40E-06	3.18E-08	3.05E-06	5.16E-07	1.76E-06	2.28E-08	2.30E-06	5.84E-08	3.09E-07	5.42E-09	3.73E-07	5.31E-08	1.62E-07	1.64E-09	2.17E-07
7523	470399.41	3819432.56	6.39E-07	2.48E-06	3.28E-08	3.15E-06	5.32E-07	1.82E-06	2.36E-08	2.38E-06	6.03E-08	3.19E-07	5.60E-09	3.85E-07	5.49E-08	1.67E-07	1.69E-09	2.24E-07
7524	470399.49	3819422.91	6.57E-07	2.55E-06	3.37E-08	3.24E-06	5.47E-07	1.87E-06	2.42E-08	2.44E-06	6.20E-08	3.28E-07	5.75E-09	3.96E-07	5.64E-08	1.72E-07	1.74E-09	2.30E-07
7525	470399.58	3819413.27	6.71E-07	2.60E-06	3.45E-08	3.31E-06	5.59E-07	1.91E-06	2.48E-08	2.50E-06	6.34E-08	3.35E-07	5.88E-09	4.04E-07	5.76E-08	1.75E-07	1.78E-09	2.35E-07
7526	470399.66	3819403.62	6.82E-07	2.65E-06	3.51E-08	3.36E-06	5.68E-07	1.94E-06	2.52E-08	2.54E-06	6.44E-08	3.41E-07	5.98E-09	4.11E-07	5.86E-08	1.78E-07	1.81E-09	2.39E-07
7527	470399.74	3819393.97	6.90E-07	2.68E-06	3.54E-08	3.40E-06	5.75E-07	1.97E-06	2.54E-08	2.57E-06	6.51E-08	3.44E-07	6.05E-09	4.16E-07	5.92E-08	1.80E-07	1.83E-09	2.41E-07
7528	470399.82	3819384.32	6.94E-07	2.69E-06	3.56E-08	3.42E-06	5.78E-07	1.98E-06	2.56E-08	2.58E-06	6.55E-08	3.46E-07	6.08E-09	4.18E-07	5.95E-08	1.81E-07	1.84E-09	2.43E-07
7529	470399.91	3819374.67	6.93E-07	2.69E-06	3.56E-08	3.42E-06	5.77E-07	1.98E-06	2.56E-08	2.58E-06	6.55E-08	3.46E-07	6.07E-09	4.18E-07	5.95E-08	1.81E-07	1.84E-09	2.43E-07
7530	470399.99	3819365.03	6.89E-07	2.67E-06	3.54E-08	3.40E-06	5.74E-07	1.96E-06	2.54E-08	2.56E-06	6.50E-08	3.44E-07	6.04E-09	4.15E-07	5.91E-08	1.80E-07	1.83E-09	2.41E-07
7531	470400.07	3819355.38	6.81E-07	2.64E-06	3.50E-08	3.36E-06	5.67E-07	1.94E-06	2.51E-08	2.53E-06	6.43E-08	3.40E-07	5.96E-09	4.10E-07	5.84E-08	1.78E-07	1.80E-09	2.38E-07
7532	470400.16	3819345.73	6.68E-07	2.59E-06	3.43E-08	3.30E-06	5.57E-07	1.91E-06	2.47E-08	2.49E-06	6.31E-08	3.34E-07	5.86E-09	4.03E-07	5.74E-08	1.75E-07	1.77E-09	2.34E-07
7533	470400.24	3819336.08	6.53E-07	2.53E-06	3.35E-08	3.22E-06	5.44E-07	1.86E-06	2.41E-08	2.43E-06	6.16E-08	3.26E-07	5.72E-09	3.93E-07	5.60E-08	1.71E-07	1.73E-09	2.28E-07
7534	470400.32	3819326.43	6.34E-07	2.46E-06	3.26E-08	3.12E-06	5.28E-07	1.81E-06	2.34E-08	2.36E-06	5.98E-08	3.16E-07	5.55E-09	3.82E-07	5.44E-08	1.66E-07	1.68E-09	2.22E-07
7535	470400.4	3819316.78	6.11E-07	2.37E-06	3.14E-08	3.01E-06	5.09E-07	1.74E-06	2.25E-08	2.27E-06	5.77E-08	3.05E-07	5.36E-09	3.68E-07	5.25E-08	1.60E-07	1.62E-09	2.14E-07
7536	470400.49	3819307.14	5.86E-07	2.27E-06	3.01E-08	2.89E-06	4.88E-07	1.67E-06	2.16E-08	2.18E-06	5.53E-08	2.92E-07	5.13E-09	3.53E-07	5.03E-08	1.53E-07	1.55E-09	2.05E-07
7537	470400.57	3819297.49	5.58E-07	2.16E-06	2.87E-08	2.75E-06	4.65E-07	1.59E-06	2.06E-08	2.07E-06	5.27E-08	2.78E-07	4.89E-09	3.36E-07	4.79E-08	1.46E-07	1.48E-09	1.95E-07
7538	470400.65	3819287.84	5.28E-07	2.05E-06	2.71E-08	2.60E-06	4.40E-07	1.50E-06	1.95E-08	1.96E-06	4.98E-08	2.63E-07	4.62E-09	3.18E-07	4.53E-08	1.38E-07	1.40E-09	1.85E-07
7539	470400.73	3819278.19	4.96E-07	1.92E-06	2.55E-08	2.44E-06	4.13E-07	1.41E-06	1.83E-08	1.84E-06	4.68E-08	2.48E-07	4.35E-09	2.99E-07	4.26E-08	1.30E-07	1.31E-09	1.74E-07
7540	470400.82	3819268.54	4.63E-07	1.80E-06	2.38E-08	2.28E-06	3.86E-07	1.32E-06	1.71E-08	1.72E-06	4.37E-08	2.31E-07	4.06E-09	2.79E-07	3.97E-08	1.21E-07	1.23E-09	1.62E-07
7541	470400.9	3819258.9	4.30E-07	1.67E-06	2.21E-08	2.12E-06	3.58E-07	1.22E-06	1.58E-08	1.60E-06	4.06E-08	2.15E-07	3.77E-09	2.59E-07	3.69E-08	1.12E-07	1.14E-09	1.50E-07
7542	470400.98	3819249.25	3.97E-07	1.54E-06	2.04E-08	1.96E-06	3.30E-07	1.13E-06	1.46E-08	1.48E-06	3.75E-08	1.98E-07	3.48E-09	2.39E-07	3.40E-08	1.04E-07	1.05E-09	1.39E-07
7543	470415.73	3819460.27	5.06E-07	1.96E-06	2.60E-08	2.50E-06	4.22E-07	1.44E-06	1.87E-08	1.88E-06	4.78E-08	2.53E-07	4.44E-09	3.05E-07	4.35E-08	1.32E-07	1.34E-09	1.77E-07
7544	470408.71	3819476.76	4.98E-07	1.93E-06	2.56E-08	2.46E-06	4.15E-07	1.42E-06	1.84E-08	1.85E-06	4.70E-08	2.49E-07	4.37E-09	3.00E-07	4.28E-08	1.30E-07	1.32E-09	1.74E-07
7545	470401.7	3819493.24	4.84E-07	1.88E-06	2.49E-08	2.39E-06	4.03E-07	1.38E-06	1.79E-08	1.80E-06	4.57E-08	2.42E-07	4.24E-09	2.92E-07	4.16E-08	1.27E-07	1.28E-09	1.69E-07
7546	470394.68	3819509.72	4.65E-07	1.81E-06	2.39E-08	2.29E-06	3.88E-07	1.33E-06	1.72E-08	1.73E-06	4.40E-08	2.32E-07	4.08E-09	2.80E-07	4.00E-08	1.22E-07	1.23E-09	1.63E-07
7547	470387.66	3819526.21	4.44E-07	1.72E-06	2.28E-08	2.19E-06	3.70E-07	1.26E-06	1.64E-08	1.65E-06	4.19E-08	2.22E-07	3.89E-09	2.67E-07	3.81E-08	1.16E-07	1.18E-09	1.55E-07
7548	470380.64	3819542.69	4.22E-07	1.64E-06	2.17E-08	2.08E-06	3.51E-07	1.20E-06	1.56E-08	1.57E-06	3.98E-08	2.11E-07	3.70E-09	2.54E-07	3.62E-08	1.10E-07	1.12E-09	1.48E-07
7549	470368.81	3819554.26	4.23E-07	1.64E-06	2.17E-08	2.08E-06	3.52E-07	1.20E-06	1.56E-08	1.57E-06	3.99E-08	2.11E-07	3.70E-09	2.55E-07	3.63E-08	1.10E-07	1.12E-09	1.48E-07
7550	470352.17	3819560.9	4.47E-07	1.73E-06	2.30E-08	2.20E-06	3.72E-07	1.27E-06	1.65E-08	1.66E-06	4.22E-08	2.23E-07	3.91E-09	2.69E-07	3.83E-08	1.17E-07	1.18E-09	1.56E-07
7551	470335.53	3819567.55	4.72E-07	1.83E-06	2.42E-08	2.33E-06	3.93E-07	1.34E-06	1.74E-08	1.75E-06	4.46E-08	2.36E-07	4.13E-09	2.84E-07	4.05E-08	1.23E-07	1.25E-09	1.65E-07
7552	470318.89	3819574.2	4.98E-07	1.93E-06	2.56E-08	2.45E-06	4.15E-07	1.42E-06	1.84E-08	1.85E-06	4.70E-08	2.48E-07	4.36E-09	3.00E-07	4.27E-08	1.30E-07	1.32E-09	1.74E-07
7553	470302.26	3819580.85	5.24E-07	2.03E-06	2.69E-08	2.58E-06	4.36E-07	1.49E-06	1.93E-08	1.95E-06	4.94E-08	2.61E-07	4.59E-09	3.15E-07	4.49E-08	1.37E-07	1.39E-09	1.83E-07
7554	470419.33	3819442.38	5.24E-07	2.03E-06	2.69E-08	2.58E-06	4.36E-07	1.49E-06	1.93E-08	1.95E-06	4.95E-08	2.61E-07	4.59E-09	3.15E-07	4.50E-08	1.37E-07	1.39E-09	1.83E-07
7555	470419.41	3819432.73	5.38E-07	2.09E-06	2.76E-08	2.65E-06	4.48E-07	1.53E-06	1.98E-08	2.00E-06	5.08E-08	2.69E-07	4.71E-09	3.24E-07	4.62E-08	1.41E-07	1.43E-09	1.88E-07
7556	470419.49	3819423.09	5.50E-07	2.13E-06	2.83E-08	2.71E-06	4.58E-07	1.57E-06	2.03E-08	2.05E-06	5.20E-08	2.75E-07	4.82E-09	3.31E-07	4.72E-08	1.44E-07	1.46E-09	1.93E-07
7557	470419.58	3819413.44	5.60E-07	2.17E-06	2.88E-08	2.76E-06	4.67E-07	1.60E-06	2.07E-08	2.08E-06	5.29E-08	2.80E-07	4.91E-09	3.37E-07	4.81E-08	1.46E-07	1.49E-09	1.96E-07
7558	470419.66	3819403.79	5.68E-07	2.20E-06	2.92E-08	2.80E-06	4.73E-07	1.62E-06	2.09E-08	2.11E-06	5.36E-08	2.83E-07	4.97E-09	3.42E-07	4.87E-08	1.48E-07	1.50E-09	1.99E-07
7559	470419.74	3819394.14	5.72E-07	2.22E-06	2.94E-08	2.82E-06	4.77E-07	1.63E-06	2.11E-08	2.13E-06	5.41E-08	2.86E-07	5.02E-09	3.45E-07	4.91E-08	1.50E-07	1.52E-09	2.00E-07
7560	470419.82	3819384.49	5.74E-07	2.23E-06	2.95E-08	2.83E-06	4.78E-07	1.64E-06	2.12E-08	2.14E-06	5.42E-08	2.87E-07	5.03E-09	3.46E-07	4.93E-08	1.50E-07	1.52E-09	2.01E-07
7561	470419.91	3819374.84	5.73E-07	2.22E-06	2.94E-08	2.82E-06	4.77E-07	1.63E-06	2.11E-08	2.13E-06	5.41E-08	2.86E-07	5.02E-09	3.45E-07	4.92E-08	1.50E-07	1.52E-09	2.00E-07
7562	470419.99	3819365.2	5.69E-07	2.21E-06	2.92E-08	2.80E-06	4.74E-07	1.62E-06	2.10E-08	2.12E-06	5.37E-08	2.84E-07	4.98E-09	3.43E-07	4.88E-08	1.49E-07	1.51E-09	1.99E-07
7563	470420.07	3819355.55	5.62E-07	2.18E-06	2.89E-08	2.77E-06	4.68E-07	1.60E-06	2.07E-08	2.09E-06	5.30E-08	2.80E-07	4.92E-09	3.38E-07	4.82E-08	1.47E-07	1.49E-09	1.96E-07
7564	470420.15	3819345.9	5.51E-07	2.14E-06	2.83E-08	2.72E-06	4.59E-07	1.57E-06	2.03E-08	2.05E-06	5.21E-08	2.75E-07	4.83E-09	3.32E-07	4.73E-08	1.44E-07	1.46E-09	1.93E-07
7565	470420.24	3819336.25	5.38E-07	2.09E-06	2.77E-08	2.65E-06	4.49E-07	1.53E-06	1.99E-08	2.00E-06	5.08E-08	2.69E-07	4.72E-09	3.24E-07	4.62E-08	1.41E-07	1.43E-09	1.88E-07
7566	470420.32	3819326.6	5.23E-07	2.03E-06	2.69E-08	2.58E-06	4.36E-07	1.49E-06	1.93E-08	1.95E-06	4.94E-08	2.61E-07	4.58E-09	3.15E-07	4.49E-08	1.37E-07	1.39E-09	1.83E-07
7567	470420.4	3819316.96	5.05E-07	1.96E-06	2.59E-08	2.49E-06	4.21E-07	1.44E-06	1.86E-08	1.88E-06	4.77E-08	2.52E-07	4.42E-09	3.04E-07	4.33E-08	1.32E-07	1.34E-09	1.77E-07
7568	470420.49	3819307.31	4.85E-07	1.88E-06	2.49E-08	2.39E-06	4.04E-07	1.38E-06	1.79E-08	1.80E-06	4.58E-08	2.42E-07	4.25E-09	2.92E-07	4.16E-08	1.27E-07	1.28E-09	1.70E-07
7569	470420.57	3819297.66	4.63E-07	1.79E-06	2.38E-08	2.28E-06	3.85E-07	1.32E-06	1.71E-08	1.72E-06	4.37E-08	2.31E-07	4.05E-09	2.79E-07	3.97E-08	1.21E-07	1.23E-09	1.62E-07
7570	470420.65	3819288.01	4.39E-07	1.70E-06	2.26E-08	2.16E-06	3.66E-07	1.25E-06	1.62E-08	1.63E-06	4.15E-08	2.19E-07	3.85E-09	2.65E-07	3.77E-08	1.15E-07	1.16E-09	1.54E-07
7571	470420.73	3819278.36	4.14E-07	1.61E-06	2.13E-08	2.04E-06	3.45E-07	1.18E-06	1.53E-08	1.54E-06	3.91E-08	2.07E-07	3.63E-09	2.50E-07	3.56E-08	1.08E-07	1.10E-09	1.45E-07
7572	470420.82	3819268.71	3.89E-07	1.51E-06	2.00E-08	1.92E-06	3.24E-07	1.11E-06	1.43E-08	1.45E-06	3.67E-08	1.94E-07	3.41E-09	2.34E-07	3.34E-08	1.02E-07	1.03E-09	1.36E-07
7573	470420.9	3819259.07	3.63E-07	1.41E-06	1.86E-08	1.79E-06	3.02E-07	1.03E-06	1.34E-08	1.35E-06	3.43E-08	1.81E-07	3.18E-09	2.19E-07	3.11E-08	9.48E-08	9.62E-10	1.27E-07
7574	470420.98	3819249.42	3.37E-07	1.31E-06	1.73E-08	1.66E-06	2.81E-07	9.60E-07	1.24E-08	1.25E-06	3.18E-08	1.68E-07	2.95E-09	2.03E-07	2.89E-08	8.81E-08	8.93E-10	1.18E-07
7575	470435.54	3819460.9	4.37E-07	1.69E-06	2.24E-08	2.15E-06	3.64E-07	1.24E-06	1.61E-08	1.62E-06	4.12E-08	2.18E-07	3.83E-09	2.63E-07	3.75E-08	1.14E-07	1.16E-09	1.53E-07
7576	470431.84	3819469.59	4.35E-07	1.69E-06	2.23E-08	2.14E-06	3.62E-07	1.24E-06	1.60E-08	1.62E-06	4.11E-08	2.17E-07	3.81E-09	2.62E-07	3.73E-08	1.14E-07	1.15E-09	1.52E-07
7577	470428.14	3819478.29	4.32E-07	1.67E-06	2.22E-08	2.13E-06	3.60E-07	1.23E-06	1.59E-08	1.61E-06	4.08E-08	2.16E-07	3.78E-09	2.60E-07	3.71E-08	1.13E-07	1.14E-09	1.51E-07
7578	470424.43	3819486.98	4.27E-07	1.66E-06	2.19E-08	2.11E-06	3.56E-07	1.22E-06	1.58E-08	1.59E-06	4.03E-08	2.13E-07	3.74E-09	2.57E-07	3.67E-08	1.12E-07	1.13E-09	1.49E-07
7579	470420.73	3819495.68	4.21E-07	1.63E-06	2.17E-08	2.08E-06	3.51E-07	1.20E-06	1.55E-08	1.57E-06	3.98E-08	2.10E-07	3.69E-09	2.54E-07	3.62E-08	1.10E-07	1.12E-09	1.47E-07
7580	470417.03	3819504.37	4.15E-07	1.61E-06	2.13E-08	2.04E-06	3.45E-07	1.18E-06	1.53E-08	1.54E-06	3.91E-08	2.07E-07	3.63E-09	2.50E-07	3.56E-08	1.08E-07	1.10E-09

7581	470413.32	3819513.06	4.07E-07	1.58E-06	2.09E-08	2.01E-06	3.39E-07	1.16E-06	1.50E-08	1.51E-06	3.84E-08	2.03E-07	3.56E-09	2.45E-07	3.49E-08	1.06E-07	1.08E-09	1.42E-07
7582	470409.62	3819521.76	3.98E-07	1.54E-06	2.05E-08	1.96E-06	3.32E-07	1.14E-06	1.47E-08	1.48E-06	3.76E-08	1.99E-07	3.49E-09	2.40E-07	3.42E-08	1.04E-07	1.06E-09	1.39E-07
7583	470405.92	3819530.45	3.89E-07	1.51E-06	2.00E-08	1.92E-06	3.24E-07	1.11E-06	1.44E-08	1.45E-06	3.68E-08	1.94E-07	3.41E-09	2.35E-07	3.34E-08	1.02E-07	1.03E-09	1.36E-07
7584	470402.22	3819539.15	3.80E-07	1.48E-06	1.95E-08	1.88E-06	3.17E-07	1.08E-06	1.40E-08	1.42E-06	3.59E-08	1.90E-07	3.33E-09	2.29E-07	3.27E-08	9.95E-08	1.01E-09	1.33E-07
7585	470398.51	3819547.84	3.71E-07	1.44E-06	1.91E-08	1.83E-06	3.09E-07	1.06E-06	1.37E-08	1.38E-06	3.51E-08	1.85E-07	3.25E-09	2.24E-07	3.19E-08	9.71E-08	9.84E-10	1.30E-07
7586	470394.81	3819556.54	3.62E-07	1.40E-06	1.86E-08	1.79E-06	3.02E-07	1.03E-06	1.34E-08	1.35E-06	3.42E-08	1.81E-07	3.17E-09	2.18E-07	3.11E-08	9.47E-08	9.60E-10	1.27E-07
7587	470382.33	3819568.74	3.63E-07	1.41E-06	1.86E-08	1.79E-06	3.02E-07	1.03E-06	1.34E-08	1.35E-06	3.42E-08	1.81E-07	3.18E-09	2.18E-07	3.11E-08	9.48E-08	9.61E-10	1.27E-07
7588	470373.56	3819572.25	3.73E-07	1.44E-06	1.91E-08	1.84E-06	3.10E-07	1.06E-06	1.37E-08	1.39E-06	3.52E-08	1.86E-07	3.26E-09	2.24E-07	3.20E-08	9.74E-08	9.88E-10	1.30E-07
7589	470364.78	3819575.75	3.83E-07	1.48E-06	1.97E-08	1.89E-06	3.19E-07	1.09E-06	1.41E-08	1.42E-06	3.61E-08	1.91E-07	3.35E-09	2.31E-07	3.29E-08	1.00E-07	1.01E-09	1.34E-07
7590	470356	3819579.26	3.93E-07	1.52E-06	2.02E-08	1.94E-06	3.27E-07	1.12E-06	1.45E-08	1.46E-06	3.71E-08	1.96E-07	3.44E-09	2.37E-07	3.37E-08	1.03E-07	1.04E-09	1.38E-07
7591	470347.23	3819582.76	4.04E-07	1.57E-06	2.07E-08	1.99E-06	3.36E-07	1.15E-06	1.49E-08	1.50E-06	3.81E-08	2.02E-07	3.54E-09	2.43E-07	3.47E-08	1.06E-07	1.07E-09	1.41E-07
7592	470338.45	3819586.27	4.15E-07	1.61E-06	2.13E-08	2.04E-06	3.45E-07	1.18E-06	1.53E-08	1.54E-06	3.92E-08	2.07E-07	3.63E-09	2.50E-07	3.56E-08	1.08E-07	1.10E-09	1.45E-07
7593	470329.68	3819589.78	4.26E-07	1.65E-06	2.19E-08	2.10E-06	3.55E-07	1.21E-06	1.57E-08	1.58E-06	4.02E-08	2.13E-07	3.73E-09	2.57E-07	3.66E-08	1.11E-07	1.13E-09	1.49E-07
7594	470320.9	3819593.28	4.37E-07	1.69E-06	2.25E-08	2.15E-06	3.64E-07	1.25E-06	1.61E-08	1.63E-06	4.13E-08	2.18E-07	3.83E-09	2.63E-07	3.75E-08	1.14E-07	1.16E-09	1.53E-07
7595	470312.13	3819596.79	4.48E-07	1.74E-06	2.30E-08	2.21E-06	3.73E-07	1.28E-06	1.65E-08	1.67E-06	4.23E-08	2.24E-07	3.93E-09	2.70E-07	3.85E-08	1.17E-07	1.19E-09	1.57E-07
7596	470303.35	3819600.3	4.59E-07	1.78E-06	2.36E-08	2.26E-06	3.82E-07	1.31E-06	1.69E-08	1.71E-06	4.34E-08	2.29E-07	4.02E-09	2.77E-07	3.94E-08	1.20E-07	1.22E-09	1.61E-07
7597	470439.24	3819452.2	4.37E-07	1.69E-06	2.25E-08	2.15E-06	3.64E-07	1.25E-06	1.61E-08	1.63E-06	4.13E-08	2.18E-07	3.83E-09	2.63E-07	3.75E-08	1.14E-07	1.16E-09	1.53E-07
7598	470439.33	3819442.55	4.48E-07	1.74E-06	2.30E-08	2.21E-06	3.74E-07	1.28E-06	1.65E-08	1.67E-06	4.24E-08	2.24E-07	3.93E-09	2.70E-07	3.85E-08	1.17E-07	1.19E-09	1.57E-07
7599	470439.41	3819432.91	4.59E-07	1.78E-06	2.36E-08	2.26E-06	3.82E-07	1.31E-06	1.69E-08	1.71E-06	4.33E-08	2.29E-07	4.02E-09	2.76E-07	3.94E-08	1.20E-07	1.22E-09	1.61E-07
7600	470439.49	3819423.26	4.67E-07	1.81E-06	2.40E-08	2.30E-06	3.89E-07	1.33E-06	1.72E-08	1.74E-06	4.41E-08	2.33E-07	4.10E-09	2.82E-07	4.01E-08	1.22E-07	1.24E-09	1.64E-07
7601	470439.58	3819413.61	4.74E-07	1.84E-06	2.44E-08	2.34E-06	3.95E-07	1.35E-06	1.75E-08	1.76E-06	4.48E-08	2.37E-07	4.16E-09	2.86E-07	4.07E-08	1.24E-07	1.26E-09	1.66E-07
7602	470439.66	3819403.96	4.79E-07	1.86E-06	2.46E-08	2.36E-06	3.99E-07	1.37E-06	1.77E-08	1.78E-06	4.53E-08	2.39E-07	4.20E-09	2.89E-07	4.12E-08	1.25E-07	1.27E-09	1.68E-07
7603	470439.74	3819394.31	4.82E-07	1.87E-06	2.48E-08	2.38E-06	4.02E-07	1.37E-06	1.78E-08	1.79E-06	4.55E-08	2.41E-07	4.23E-09	2.91E-07	4.14E-08	1.26E-07	1.28E-09	1.69E-07
7604	470439.82	3819384.66	4.83E-07	1.87E-06	2.48E-08	2.38E-06	4.02E-07	1.38E-06	1.78E-08	1.80E-06	4.56E-08	2.41E-07	4.23E-09	2.91E-07	4.15E-08	1.26E-07	1.28E-09	1.69E-07
7605	470439.91	3819375.02	4.81E-07	1.87E-06	2.47E-08	2.37E-06	4.01E-07	1.37E-06	1.77E-08	1.79E-06	4.54E-08	2.40E-07	4.22E-09	2.90E-07	4.13E-08	1.26E-07	1.28E-09	1.68E-07
7606	470439.99	3819365.37	4.77E-07	1.85E-06	2.45E-08	2.35E-06	3.98E-07	1.36E-06	1.76E-08	1.78E-06	4.51E-08	2.38E-07	4.18E-09	2.88E-07	4.10E-08	1.25E-07	1.27E-09	1.67E-07
7607	470440.07	3819355.72	4.71E-07	1.83E-06	2.42E-08	2.32E-06	3.92E-07	1.34E-06	1.74E-08	1.75E-06	4.45E-08	2.35E-07	4.13E-09	2.84E-07	4.04E-08	1.23E-07	1.25E-09	1.65E-07
7608	470440.15	3819346.07	4.62E-07	1.79E-06	2.38E-08	2.28E-06	3.85E-07	1.32E-06	1.71E-08	1.72E-06	4.37E-08	2.31E-07	4.05E-09	2.79E-07	3.97E-08	1.21E-07	1.23E-09	1.62E-07
7609	470440.24	3819336.42	4.52E-07	1.75E-06	2.32E-08	2.23E-06	3.76E-07	1.29E-06	1.67E-08	1.68E-06	4.27E-08	2.26E-07	3.96E-09	2.72E-07	3.88E-08	1.18E-07	1.20E-09	1.58E-07
7610	470440.32	3819326.78	4.39E-07	1.70E-06	2.26E-08	2.16E-06	3.66E-07	1.25E-06	1.62E-08	1.63E-06	4.15E-08	2.19E-07	3.85E-09	2.65E-07	3.77E-08	1.15E-07	1.16E-09	1.54E-07
7611	470440.4	3819317.13	4.25E-07	1.65E-06	2.18E-08	2.09E-06	3.54E-07	1.21E-06	1.57E-08	1.58E-06	4.01E-08	2.12E-07	3.72E-09	2.56E-07	3.64E-08	1.11E-07	1.13E-09	1.49E-07
7612	470440.49	3819307.48	4.08E-07	1.58E-06	2.10E-08	2.01E-06	3.40E-07	1.16E-06	1.51E-08	1.52E-06	3.86E-08	2.04E-07	3.58E-09	2.46E-07	3.50E-08	1.07E-07	1.08E-09	1.43E-07
7613	470440.57	3819297.83	3.91E-07	1.51E-06	2.01E-08	1.93E-06	3.25E-07	1.11E-06	1.44E-08	1.45E-06	3.69E-08	1.95E-07	3.42E-09	2.35E-07	3.35E-08	1.02E-07	1.04E-09	1.37E-07
7614	470440.65	3819288.18	3.72E-07	1.44E-06	1.91E-08	1.83E-06	3.10E-07	1.06E-06	1.37E-08	1.38E-06	3.51E-08	1.86E-07	3.26E-09	2.24E-07	3.19E-08	9.72E-08	9.86E-10	1.30E-07
7615	470440.73	3819278.53	3.52E-07	1.37E-06	1.81E-08	1.74E-06	2.93E-07	1.00E-06	1.30E-08	1.31E-06	3.32E-08	1.76E-07	3.09E-09	2.12E-07	3.02E-08	9.20E-08	9.33E-10	1.23E-07
7616	470440.82	3819268.89	3.32E-07	1.29E-06	1.70E-08	1.64E-06	2.76E-07	9.45E-07	1.22E-08	1.23E-06	3.13E-08	1.66E-07	2.91E-09	2.00E-07	2.85E-08	8.67E-08	8.80E-10	1.16E-07
7617	470440.9	3819259.24	3.11E-07	1.21E-06	1.60E-08	1.53E-06	2.59E-07	8.87E-07	1.15E-08	1.16E-06	2.94E-08	1.55E-07	2.73E-09	1.87E-07	2.67E-08	8.13E-08	8.25E-10	1.09E-07
7618	470440.98	3819249.59	2.91E-07	1.13E-06	1.49E-08	1.43E-06	2.42E-07	8.28E-07	1.07E-08	1.08E-06	2.74E-08	1.45E-07	2.55E-09	1.75E-07	2.50E-08	7.60E-08	7.71E-10	1.02E-07
7619	470455.63	3819460.85	3.80E-07	1.47E-06	1.95E-08	1.87E-06	3.17E-07	1.08E-06	1.40E-08	1.41E-06	3.59E-08	1.90E-07	3.33E-09	2.29E-07	3.26E-08	9.94E-08	1.01E-09	1.33E-07
7620	470452.02	3819469.33	3.80E-07	1.47E-06	1.95E-08	1.87E-06	3.16E-07	1.08E-06	1.40E-08	1.41E-06	3.58E-08	1.89E-07	3.33E-09	2.29E-07	3.26E-08	9.92E-08	1.01E-09	1.33E-07
7621	470448.41	3819477.81	3.78E-07	1.47E-06	1.94E-08	1.86E-06	3.15E-07	1.08E-06	1.39E-08	1.41E-06	3.57E-08	1.89E-07	3.31E-09	2.28E-07	3.24E-08	9.88E-08	1.00E-09	1.32E-07
7622	470444.8	3819486.28	3.75E-07	1.46E-06	1.93E-08	1.85E-06	3.13E-07	1.07E-06	1.38E-08	1.40E-06	3.54E-08	1.87E-07	3.29E-09	2.26E-07	3.22E-08	9.81E-08	9.95E-10	1.31E-07
7623	470441.19	3819494.76	3.72E-07	1.44E-06	1.91E-08	1.83E-06	3.09E-07	1.06E-06	1.37E-08	1.38E-06	3.51E-08	1.86E-07	3.26E-09	2.24E-07	3.19E-08	9.71E-08	9.85E-10	1.30E-07
7624	470437.58	3819503.24	3.67E-07	1.42E-06	1.89E-08	1.81E-06	3.06E-07	1.05E-06	1.35E-08	1.37E-06	3.47E-08	1.83E-07	3.22E-09	2.21E-07	3.15E-08	9.59E-08	9.73E-10	1.28E-07
7625	470433.97	3819511.71	3.62E-07	1.40E-06	1.86E-08	1.78E-06	3.01E-07	1.03E-06	1.33E-08	1.35E-06	3.42E-08	1.81E-07	3.17E-09	2.18E-07	3.10E-08	9.45E-08	9.59E-10	1.27E-07
7626	470430.36	3819520.19	3.56E-07	1.38E-06	1.83E-08	1.75E-06	2.96E-07	1.01E-06	1.31E-08	1.32E-06	3.36E-08	1.78E-07	3.12E-09	2.14E-07	3.05E-08	9.30E-08	9.43E-10	1.24E-07
7627	470426.75	3819528.67	3.49E-07	1.35E-06	1.79E-08	1.72E-06	2.91E-07	9.95E-07	1.29E-08	1.30E-06	3.30E-08	1.74E-07	3.06E-09	2.10E-07	3.00E-08	9.13E-08	9.26E-10	1.22E-07
7628	470423.14	3819537.15	3.42E-07	1.33E-06	1.76E-08	1.69E-06	2.85E-07	9.76E-07	1.26E-08	1.27E-06	3.23E-08	1.71E-07	3.00E-09	2.06E-07	2.94E-08	8.95E-08	9.08E-10	1.20E-07
7629	470419.53	3819545.62	3.35E-07	1.30E-06	1.72E-08	1.65E-06	2.79E-07	9.56E-07	1.24E-08	1.25E-06	3.17E-08	1.68E-07	2.94E-09	2.02E-07	2.88E-08	8.77E-08	8.89E-10	1.17E-07
7630	470415.92	3819554.1	3.28E-07	1.27E-06	1.69E-08	1.62E-06	2.73E-07	9.36E-07	1.21E-08	1.22E-06	3.10E-08	1.64E-07	2.88E-09	1.98E-07	2.82E-08	8.58E-08	8.70E-10	1.15E-07
7631	470412.31	3819562.58	3.21E-07	1.25E-06	1.65E-08	1.58E-06	2.67E-07	9.15E-07	1.18E-08	1.19E-06	3.03E-08	1.60E-07	2.81E-09	1.93E-07	2.76E-08	8.39E-08	8.51E-10	1.12E-07
7632	470408.7	3819571.06	3.14E-07	1.22E-06	1.61E-08	1.55E-06	2.61E-07	8.94E-07	1.16E-08	1.17E-06	2.96E-08	1.57E-07	2.75E-09	1.89E-07	2.69E-08	8.20E-08	8.32E-10	1.10E-07
7633	470396.53	3819582.95	3.14E-07	1.22E-06	1.61E-08	1.55E-06	2.62E-07	8.95E-07	1.16E-08	1.17E-06	2.97E-08	1.57E-07	2.75E-09	1.89E-07	2.70E-08	8.21E-08	8.33E-10	1.10E-07
7634	470387.98	3819586.37	3.22E-07	1.25E-06	1.65E-08	1.59E-06	2.68E-07	9.17E-07	1.19E-08	1.20E-06	3.04E-08	1.61E-07	2.82E-09	1.94E-07	2.76E-08	8.42E-08	8.53E-10	1.13E-07
7635	470379.42	3819589.79	3.30E-07	1.28E-06	1.69E-08	1.63E-06	2.75E-07	9.40E-07	1.22E-08	1.23E-06	3.12E-08	1.65E-07	2.89E-09	1.99E-07	2.83E-08	8.62E-08	8.74E-10	1.15E-07
7636	470370.86	3819593.21	3.38E-07	1.31E-06	1.74E-08	1.67E-06	2.82E-07	9.63E-07	1.25E-08	1.26E-06	3.19E-08	1.69E-07	2.96E-09	2.04E-07	2.90E-08	8.84E-08	8.96E-10	1.18E-07
7637	470362.31	3819596.63	3.46E-07	1.34E-06	1.78E-08	1.71E-06	2.89E-07	9.87E-07	1.28E-08	1.29E-06	3.27E-08	1.73E-07	3.04E-09	2.09E-07	2.97E-08	9.05E-08	9.18E-10	1.21E-07
7638	470353.75	3819600.04	3.55E-07	1.38E-06	1.82E-08	1.75E-06	2.96E-07	1.01E-06	1.31E-08	1.32E-06	3.35E-08	1.77E-07	3.11E-09	2.14E-07	3.05E-08	9.28E-08	9.41E-10	1.24E-07
7639	470345.2	3819603.46	3.64E-07	1.41E-06	1.87E-08	1.79E-06	3.03E-07	1.04E-06	1.34E-08	1.35E-06	3.44E-08	1.82E-07	3.19E-09	2.19E-07	3.12E-08	9.51E-08	9.64E-10	1.27E-07
7640	470336.64	3819606.88	3.73E-07	1.45E-06	1.92E-08	1.84E-06	3.10E-07	1.06E-06	1.37E-08	1.39E-06	3.52E-08	1.86E-07	3.27E-09	2.25E-07	3.20E-08	9.74E-08	9.88E-10	1.30E-07
7641	470328.08	3819610.3	3.82E-07	1.48E-06	1.96E-08	1.88E-06	3.18E-07	1.09E-06	1.41E-08	1.42E-06	3.61E-08	1.91E-07	3.35E-09	2.30E-07	3.28E-08	9.98E-08	1.01E-09	1.34E-07
7642	470319.53	3819613.72	3.91E-07	1.52E-06	2.01E-08	1.93E-06	3.26E-07	1.11E-06	1.44E-08	1.45E-06	3.69E-08	1.95E-07	3.43E-09	2.35E-07	3.36E-08	1.02E-07	1.04E-09	1.37E-07
7643	470310.97	3819617.14	4.00E-07	1.55E-06	2.05E-08	1.97E-06	3.33E-07	1.14E-06	1.47E-08	1.49E-06	3.78E-08	2.00E-07	3.50E-09	2.41E-07	3.43E-08	1.05E-07	1.06E-09	1.40E-07
7644	470302.41	3819620.56	4.09E-07	1.59E-06	2.10E-08	2.02E-06	3.41E-07	1.17E-06	1.51E-08	1.52E-06	3.86E-08	2.04E-07	3.58E-09	2.46E-07	3.51E-08	1.07E-07	1.08E-09	1.43E-07
7645	470459.24	3819452.37	3.79E-07	1.47E-06	1.95E-08	1.87E-06	3.16E-07	1.08E-06	1.40E-08	1.41E-06	3.58E-08	1.89E-07	3.33E-09	2.29E-07	3.26E-08	9.92E-08	1.01E-09	1.33E-07
7646	470459.33	3819442.73	3.88E-07	1.50E-06	1.99E-08	1.91E-06	3.23E-07	1.11E-06	1.43E-08	1.44E-06	3.66E-08	1.94E-07	3.40E-09	2.34E-07	3.33E-08	1.01E-07	1.03E-09	1.36E-07
7647	470459.41	3819433.08	3.96E-07	1.53E-06	2.03E-08	1.95E-06	3.29E-07	1.13E-06	1.46E-08	1.47E-06	3.73E-08	1.97E-07	3.47E-09	2.38E-07	3.40E-08	1.03E-07	1.05E-09	1.38E-07
7648	470459.49	3819423.43	4.02E-07	1.56E-06	2.06E-08	1.98E-06	3.35E-07	1.14E-06	1.48E-08	1.49E-06	3.79E-08	2.01E-07	3.52E-09	2.42E-07	3.45E-08	1.05E-07	1.07E-09	1.41E-07
7649	470459.57	3819413.78	4.07E-07	1.58E-06	2.09E-08	2.00E-06	3.39E-07	1.16E-06	1.50E-08	1.51E-06	3.84E-08	2.03E-07	3.56E-09	2.45E-07	3.49E-08	1.06E-07	1.08E-09	1.42E-07
7650	470459.66	3819404.13	4.10E-07	1.59E-06	2.11E-08	2.02E-06	3.41E-07	1.17E-06	1.51E-08	1.52E-06	3.87E-08	2.05E-07	3.59E-09	2.47E-07	3.52E-08	1.07E-07	1.09E-09	1.43E-07
7651	470459.74	3819394.48	4.12E-07	1.60E-06	2.11E-08	2.03E-06	3.43E-07	1.17E-06	1.52E-08	1.53E-06	3.89E-08	2.05E-07	3.61E-09	2.48E-07	3.53E-08	1.08E-07	1.09E-09	1.44E-07
7652	470459.82	3819384.84	4.11E-07	1.60E-06	2.11E-08	2.03E-06	3.43E-07	1.17E-06	1.52E-08	1.53E-06	3.89E-08	2.05E-07	3.61E-09	2.48E-07	3.53E-08	1.08E-07	1.09E-09	1.44E-07
7653	470459.91	3819375.19	4.10E-07	1.59E-06	2.10E-08	2.02E-06	3.41E-07	1.17E-06	1.51E-08	1.52E-06	3.87E-08	2.04E-07	3.59E-09	2.47E-07	3.52E-08	1.07E-07	1.09E-09	1.43E-07
7654	470459.99	3819365.54	4.06E-07	1.57E-06	2.09E-08	2.00E-06	3.38E-07	1.16E-06	1.50E-08	1.51E-06	3.83E-08	2.03E-07	3.56E-09	2.45E-07	3.48E-08	1.06E-07	1.08E-09	1.42E-07
7655	470460.07	3819355.89	4.00E-07	1.55E-06	2.06E-08	1.97E-06	3.34E-07	1.14E-06	1.48E-08	1.49E-06	3.78E-08	2.00E-07	3.51E-09	2.41E-07	3.44E-08	1.05E-07	1.06E-09	1.40E-07
7656	470460.15	3819346.24	3.93E-07	1.53E-06	2.02E-08	1.94E-06	3.28E-07	1.12E-06	1.45E-08	1.46E-06	3.71E-08	1.96E-07	3.45E-09	2.37E-07	3.38E-08	1.03E-07	1.04E-09	1.38E-07
7657	470460.24	3819336.6	3.84E-07	1.49E-06	1.97E-08	1.89E-06	3.20E-07	1.10E-06	1.42E-08	1.43E-06	3.63E-08	1.92E-07	3.37E-09	2.32E-07	3.30E-08	1.00E-07	1.02E-09	1.34E-07
7658	470460.32	3819326.95	3.74E-07	1.45E-06	1.92E-08	1.84E-06	3.11E-07	1.07E-06	1.38E-08	1.39E-06	3.53E-08	1.87E-07	3.28E-09	2.25E-07	3.21E-08	9.77E-08	9.91E-10	1.31E-07
7659	470460.4	3819317.3	3.62E-07	1.40E-06	1.86E-08	1.78E-06	3.02E-07	1.03E-06	1.34E-08	1.35E-06	3.42E-08	1.81E-07	3.17E-09	2.18E-07	3.11E-08	9.46E-08	9.60E-10	1.27E-07
7660	470460.48	3819307.65	3.49E-07	1.35E-06	1.79E-08	1.72E-06	2.91E-07	9.94E-07	1.29E-08	1.30E-06	3.29E-08	1.74E-07	3.06E-09	2.10E-07	2.99E-08	9.12E-08	9.25E-10	1.22E-07
7661	470460.57	3819298	3.34E-07	1.30E-06	1.72E-08	1.65E-06	2.79E-07	9.53E-07	1.23E-08	1.24E-06	3.16E-08	1.67E-07	2.93E-09	2.02E-07	2.87E-08	8.74E-08	8.87E-10	1.17E-07
7662	470460.65	3819288.35	3.19E-07	1.24E-06	1.64E-08	1.57E-06	2.66E-07	9.10E-07	1.18E-08	1.19E-06	3.02E-08	1.59E-07	2.80E-09	1.92E-07	2.74E-08	8.35E-08	8.46E-10	1.12E-07
7663	470460.73	3819278.71	3.03E-07	1.18E-06	1.56E-08	1.50E-06	2.53E-07	8.65E-07	1.12E-08	1.13E-06	2.86E-08	1.51E-07	2.66E-09	1.83E-07	2.60E-08	7.93E-08	8.04E-10	1.06E-07
7664	470460.82	3819269.06	2.87E-07	1.11E-06	1.47E-08	1.41E-06	2.39E-07	8.18E-07	1.06E-08	1.07E-06	2.71E-08	1.43E-07	2.51E-09	1.73E-07	2.46E-08	7.50E-08	7.61E-10	1.00E-07
7665	470460.9	3819259.41	2.70E-07	1.05E-06	1.39E-08	1.33E-06	2.25E-07	7.71E-07	9.97E-09	1.01E-06	2.55E-08	1.35E-07	2.37E-09	1.63E-07	2.32E-08	7.07E-08	7.17E-10	9.46E-08
7666	470460.98	3819249.76	2.54E-07	9.84E-07	1.30E-08	1.25E-06	2.11E-07	7.23E-07	9.36E-09	9.44E-07	2.40E-08	1.27E-07	2.22E-09	1.53E-07	2.18E-08	6.63E-08	6.73E-10	8.88E-08
7667	470475.48	3819461.38	3.33E-07	1.29E-06	1.71E-08	1.64E-06	2.78E-07	9.50E-07	1.23E-08	1.24E-06	3.15E-08	1.66E-07	2.92E-09	2.01E-07	2.86E-08	8.72E-08	8.84E-10	1.17E-07
7668	470471.72	3819470.21	3.34E-07	1.29E-06	1.71E-08	1.64E-06	2.78E-07	9.51E-07	1.23E-08	1.24E-06	3.15E-08	1.67E-07	2.92E-09	2.01E-07	2.86E-08	8.72E-08	8.84E-10	1.17E-07
7669	470467.96	3819479.04	3.33E-07	1.29E-06	1.71E-08	1.64E-06	2.77E-07	9.48E-07	1.23E-08	1.24E-06	3.14E-08	1.66E-07	2.92E-09	2.00E-07	2.86E-08	8.70E-08	8.82E-10	1.16E-07
7670	470464.2	3819487.87	3.31E-07	1.28E-06	1.70E-08	1.63E-06	2.76E-07	9.43E-07	1.22E-08	1.23E-06	3.13E-08	1.65E-07	2.90E-09	1.99E-07	2.84E-08	8.65E-08	8.77E-10	1.16E-07
7671	470460.44	3819496.7	3.28E-07	1.27E-06	1.69E-08	1.62E-06	2.74E-07	9.36E-07	1.21E-08	1.22E-06	3.10E-08	1.64E-07	2.88E-09	1.98E-07	2.82E-08	8.59E-08	8.71E-10	1.15E-07
7672	470456.68	3819505.53	3.25E-07	1.26E-06	1.67E-08	1.60E-06	2.71E-07	9.26E-07	1.20E-08	1.21E-06	3.07E-08	1.62E-07	2.85E-09	1.96E-07	2.79E-08	8.50E-08	8.62E-10	1.14E-07
7673	470452.92	3819514.36	3.21E-07	1.24E-06	1.65E-08	1.58E-06	2.67E-07	9.14E-07	1.18E-08	1.19E-06	3.03E-08	1.60E-07	2.81E-09	1.93E-07	2.75E-08	8.39E-08	8.51E-10	1.12E-07
7674	470449.16	3819523.19	3.16E-07	1.23E-06	1.62E-08	1.56E-06	2.63E-07	9.01E-07	1.17E-08	1.18E-06	2.98E-08	1.58E-07	2.77E-09	1.90E-07	2.71E-08	8.26E-08	8.38E-10	1.11E-07
7675	470445.4	3819532.02	3.11E-07	1.21E-06	1.60E-08	1.53E-06	2.59E-07	8.86E-07	1.15E-08	1.16E-06	2.94E-08	1.55E-07	2.72E-09	1.87E-07	2.67E-08	8.13E-08	8.24E-10	1.09E-07
7676	470441.64	3819540.85	3.05E-07	1.18E-06	1.57E-08	1.51E-06	2.54E-07	8.71E-07	1.13E-08	1.14E-06	2.88E-08	1.53E-07	2.68E-09	1.84E-07	2.62E-08	7.99E-08	8.10E-10	1.07E

7677	470437.88	3819549.68	3.00E-07	1.16E-06	1.54E-08	1.48E-06	2.50E-07	8.54E-07	1.11E-08	1.11E-06	2.83E-08	1.50E-07	2.63E-09	1.81E-07	2.57E-08	7.83E-08	7.94E-10	1.05E-07
7678	470434.11	3819558.51	2.94E-07	1.14E-06	1.51E-08	1.45E-06	2.45E-07	8.37E-07	1.08E-08	1.09E-06	2.77E-08	1.47E-07	2.57E-09	1.77E-07	2.52E-08	7.68E-08	7.79E-10	1.03E-07
7679	470430.35	3819567.34	2.88E-07	1.12E-06	1.48E-08	1.42E-06	2.40E-07	8.19E-07	1.06E-08	1.07E-06	2.72E-08	1.44E-07	2.52E-09	1.73E-07	2.47E-08	7.52E-08	7.62E-10	1.01E-07
7680	470426.59	3819576.17	2.81E-07	1.09E-06	1.45E-08	1.39E-06	2.34E-07	8.02E-07	1.04E-08	1.05E-06	2.66E-08	1.40E-07	2.47E-09	1.70E-07	2.42E-08	7.36E-08	7.46E-10	9.84E-08
7681	470422.83	3819585	2.75E-07	1.07E-06	1.41E-08	1.36E-06	2.29E-07	7.84E-07	1.01E-08	1.02E-06	2.60E-08	1.37E-07	2.41E-09	1.66E-07	2.36E-08	7.19E-08	7.29E-10	9.63E-08
7682	470410.16	3819597.39	2.75E-07	1.07E-06	1.42E-08	1.36E-06	2.29E-07	7.85E-07	1.02E-08	1.02E-06	2.60E-08	1.38E-07	2.41E-09	1.66E-07	2.36E-08	7.20E-08	7.30E-10	9.64E-08
7683	470401.25	3819600.96	2.82E-07	1.09E-06	1.45E-08	1.39E-06	2.35E-07	8.04E-07	1.04E-08	1.05E-06	2.66E-08	1.41E-07	2.47E-09	1.70E-07	2.42E-08	7.37E-08	7.48E-10	9.87E-08
7684	470392.33	3819604.52	2.89E-07	1.12E-06	1.48E-08	1.42E-06	2.41E-07	8.23E-07	1.07E-08	1.07E-06	2.73E-08	1.44E-07	2.53E-09	1.74E-07	2.48E-08	7.55E-08	7.66E-10	1.01E-07
7685	470383.42	3819608.08	2.96E-07	1.15E-06	1.52E-08	1.46E-06	2.46E-07	8.43E-07	1.09E-08	1.10E-06	2.79E-08	1.48E-07	2.59E-09	1.78E-07	2.54E-08	7.73E-08	7.84E-10	1.03E-07
7686	470374.51	3819611.64	3.03E-07	1.17E-06	1.56E-08	1.49E-06	2.52E-07	8.63E-07	1.12E-08	1.13E-06	2.86E-08	1.51E-07	2.65E-09	1.82E-07	2.60E-08	7.92E-08	8.03E-10	1.06E-07
7687	470365.59	3819615.2	3.10E-07	1.20E-06	1.59E-08	1.53E-06	2.58E-07	8.84E-07	1.14E-08	1.15E-06	2.93E-08	1.55E-07	2.72E-09	1.87E-07	2.66E-08	8.11E-08	8.23E-10	1.09E-07
7688	470356.68	3819618.76	3.18E-07	1.23E-06	1.63E-08	1.57E-06	2.65E-07	9.06E-07	1.17E-08	1.18E-06	3.00E-08	1.59E-07	2.79E-09	1.91E-07	2.73E-08	8.31E-08	8.43E-10	1.11E-07
7689	470347.77	3819622.32	3.26E-07	1.26E-06	1.67E-08	1.61E-06	2.71E-07	9.28E-07	1.20E-08	1.21E-06	3.07E-08	1.63E-07	2.85E-09	1.96E-07	2.80E-08	8.51E-08	8.63E-10	1.14E-07
7690	470338.86	3819625.88	3.34E-07	1.29E-06	1.71E-08	1.64E-06	2.78E-07	9.50E-07	1.23E-08	1.24E-06	3.15E-08	1.67E-07	2.92E-09	2.01E-07	2.86E-08	8.72E-08	8.84E-10	1.17E-07
7691	470329.94	3819629.44	3.42E-07	1.32E-06	1.75E-08	1.68E-06	2.84E-07	9.73E-07	1.26E-08	1.27E-06	3.22E-08	1.71E-07	2.99E-09	2.06E-07	2.93E-08	8.93E-08	9.05E-10	1.19E-07
7692	470321.03	3819633.01	3.49E-07	1.36E-06	1.80E-08	1.72E-06	2.91E-07	9.96E-07	1.29E-08	1.30E-06	3.30E-08	1.74E-07	3.06E-09	2.11E-07	3.00E-08	9.14E-08	9.26E-10	1.22E-07
7693	470312.12	3819636.57	3.58E-07	1.39E-06	1.84E-08	1.76E-06	2.98E-07	1.02E-06	1.32E-08	1.33E-06	3.38E-08	1.79E-07	3.13E-09	2.15E-07	3.07E-08	9.35E-08	9.48E-10	1.25E-07
7694	470303.2	3819640.13	3.66E-07	1.42E-06	1.88E-08	1.80E-06	3.04E-07	1.04E-06	1.35E-08	1.36E-06	3.45E-08	1.82E-07	3.20E-09	2.20E-07	3.14E-08	9.56E-08	9.69E-10	1.28E-07
7695	470479.24	3819452.54	3.32E-07	1.29E-06	1.71E-08	1.64E-06	2.77E-07	9.47E-07	1.23E-08	1.24E-06	3.14E-08	1.66E-07	2.91E-09	2.00E-07	2.85E-08	8.68E-08	8.81E-10	1.16E-07
7696	470479.33	3819442.9	3.39E-07	1.31E-06	1.74E-08	1.67E-06	2.82E-07	9.65E-07	1.25E-08	1.26E-06	3.20E-08	1.69E-07	2.97E-09	2.04E-07	2.91E-08	8.85E-08	8.98E-10	1.18E-07
7697	470479.41	3819433.25	3.44E-07	1.33E-06	1.77E-08	1.70E-06	2.87E-07	9.81E-07	1.27E-08	1.28E-06	3.25E-08	1.72E-07	3.02E-09	2.07E-07	2.95E-08	9.00E-08	9.12E-10	1.20E-07
7698	470479.49	3819423.6	3.49E-07	1.35E-06	1.79E-08	1.72E-06	2.90E-07	9.94E-07	1.29E-08	1.30E-06	3.29E-08	1.74E-07	3.06E-09	2.10E-07	2.99E-08	9.11E-08	9.24E-10	1.22E-07
7699	470479.57	3819413.95	3.52E-07	1.37E-06	1.81E-08	1.74E-06	2.93E-07	1.00E-06	1.30E-08	1.31E-06	3.32E-08	1.76E-07	3.08E-09	2.12E-07	3.02E-08	9.20E-08	9.33E-10	1.23E-07
7700	470479.66	3819404.3	3.54E-07	1.37E-06	1.82E-08	1.75E-06	2.95E-07	1.01E-06	1.31E-08	1.32E-06	3.34E-08	1.77E-07	3.10E-09	2.13E-07	3.04E-08	9.26E-08	9.39E-10	1.24E-07
7701	470479.74	3819394.66	3.55E-07	1.38E-06	1.82E-08	1.75E-06	2.96E-07	1.01E-06	1.31E-08	1.32E-06	3.35E-08	1.77E-07	3.11E-09	2.14E-07	3.05E-08	9.28E-08	9.41E-10	1.24E-07
7702	470479.82	3819385.01	3.54E-07	1.37E-06	1.82E-08	1.75E-06	2.95E-07	1.01E-06	1.31E-08	1.32E-06	3.35E-08	1.77E-07	3.11E-09	2.14E-07	3.04E-08	9.27E-08	9.40E-10	1.24E-07
7703	470479.9	3819375.36	3.53E-07	1.37E-06	1.81E-08	1.74E-06	2.94E-07	1.00E-06	1.30E-08	1.31E-06	3.33E-08	1.76E-07	3.09E-09	2.12E-07	3.03E-08	9.22E-08	9.35E-10	1.23E-07
7704	470479.99	3819365.71	3.49E-07	1.35E-06	1.79E-08	1.72E-06	2.91E-07	9.95E-07	1.29E-08	1.30E-06	3.30E-08	1.74E-07	3.06E-09	2.10E-07	3.00E-08	9.13E-08	9.26E-10	1.22E-07
7705	470480.07	3819356.06	3.44E-07	1.34E-06	1.77E-08	1.70E-06	2.87E-07	9.82E-07	1.27E-08	1.28E-06	3.25E-08	1.72E-07	3.02E-09	2.08E-07	2.96E-08	9.00E-08	9.13E-10	1.21E-07
7706	470480.15	3819346.41	3.38E-07	1.31E-06	1.74E-08	1.67E-06	2.82E-07	9.64E-07	1.25E-08	1.26E-06	3.19E-08	1.69E-07	2.96E-09	2.04E-07	2.90E-08	8.84E-08	8.97E-10	1.18E-07
7707	470480.24	3819336.77	3.31E-07	1.28E-06	1.70E-08	1.63E-06	2.76E-07	9.43E-07	1.22E-08	1.23E-06	3.12E-08	1.65E-07	2.90E-09	1.99E-07	2.84E-08	8.65E-08	8.77E-10	1.16E-07
7708	470480.32	3819327.12	3.22E-07	1.25E-06	1.66E-08	1.59E-06	2.68E-07	9.18E-07	1.19E-08	1.20E-06	3.04E-08	1.61E-07	2.82E-09	1.94E-07	2.77E-08	8.42E-08	8.54E-10	1.13E-07
7709	470480.4	3819317.47	3.12E-07	1.21E-06	1.61E-08	1.54E-06	2.60E-07	8.90E-07	1.15E-08	1.16E-06	2.95E-08	1.56E-07	2.74E-09	1.88E-07	2.68E-08	8.17E-08	8.28E-10	1.09E-07
7710	470480.48	3819307.82	3.02E-07	1.17E-06	1.55E-08	1.49E-06	2.51E-07	8.59E-07	1.11E-08	1.12E-06	2.85E-08	1.51E-07	2.64E-09	1.82E-07	2.59E-08	7.88E-08	7.99E-10	1.06E-07
7711	470480.57	3819298.17	2.90E-07	1.12E-06	1.49E-08	1.43E-06	2.41E-07	8.26E-07	1.07E-08	1.08E-06	2.74E-08	1.45E-07	2.54E-09	1.75E-07	2.49E-08	7.58E-08	7.68E-10	1.01E-07
7712	470480.65	3819288.53	2.77E-07	1.08E-06	1.43E-08	1.37E-06	2.31E-07	7.91E-07	1.02E-08	1.03E-06	2.62E-08	1.38E-07	2.43E-09	1.67E-07	2.38E-08	7.25E-08	7.35E-10	9.71E-08
7713	470480.73	3819278.88	2.64E-07	1.03E-06	1.36E-08	1.30E-06	2.20E-07	7.54E-07	9.75E-09	9.84E-07	2.50E-08	1.32E-07	2.32E-09	1.59E-07	2.27E-08	6.91E-08	7.01E-10	9.25E-08
7714	470480.81	3819269.23	2.51E-07	9.74E-07	1.29E-08	1.24E-06	2.09E-07	7.15E-07	9.26E-09	9.34E-07	2.37E-08	1.25E-07	2.20E-09	1.51E-07	2.15E-08	6.56E-08	6.65E-10	8.78E-08
7715	470480.9	3819259.58	2.37E-07	9.21E-07	1.22E-08	1.17E-06	1.98E-07	6.77E-07	8.75E-09	8.83E-07	2.24E-08	1.19E-07	2.08E-09	1.43E-07	2.04E-08	6.21E-08	6.29E-10	8.31E-08
7716	470480.98	3819249.93	2.24E-07	8.68E-07	1.15E-08	1.10E-06	1.86E-07	6.38E-07	8.25E-09	8.32E-07	2.11E-08	1.12E-07	1.96E-09	1.35E-07	1.92E-08	5.85E-08	5.93E-10	7.83E-08
7717	470495.56	3819461.35	2.94E-07	1.14E-06	1.51E-08	1.45E-06	2.45E-07	8.39E-07	1.09E-08	1.09E-06	2.78E-08	1.47E-07	2.58E-09	1.77E-07	2.53E-08	7.69E-08	7.80E-10	1.03E-07
7718	470491.89	3819469.98	2.95E-07	1.14E-06	1.52E-08	1.45E-06	2.46E-07	8.41E-07	1.09E-08	1.10E-06	2.79E-08	1.47E-07	2.59E-09	1.78E-07	2.53E-08	7.71E-08	7.82E-10	1.03E-07
7719	470488.21	3819478.62	2.95E-07	1.14E-06	1.52E-08	1.45E-06	2.46E-07	8.41E-07	1.09E-08	1.10E-06	2.79E-08	1.47E-07	2.58E-09	1.78E-07	2.53E-08	7.71E-08	7.82E-10	1.03E-07
7720	470484.53	3819487.25	2.94E-07	1.14E-06	1.51E-08	1.45E-06	2.45E-07	8.38E-07	1.08E-08	1.09E-06	2.78E-08	1.47E-07	2.58E-09	1.77E-07	2.53E-08	7.69E-08	7.80E-10	1.03E-07
7721	470480.86	3819495.89	2.93E-07	1.14E-06	1.50E-08	1.44E-06	2.44E-07	8.34E-07	1.08E-08	1.09E-06	2.76E-08	1.46E-07	2.56E-09	1.76E-07	2.51E-08	7.65E-08	7.76E-10	1.02E-07
7722	470477.18	3819504.52	2.91E-07	1.13E-06	1.49E-08	1.43E-06	2.42E-07	8.28E-07	1.07E-08	1.08E-06	2.74E-08	1.45E-07	2.55E-09	1.75E-07	2.49E-08	7.60E-08	7.70E-10	1.02E-07
7723	470473.5	3819513.16	2.88E-07	1.12E-06	1.48E-08	1.42E-06	2.40E-07	8.20E-07	1.06E-08	1.07E-06	2.72E-08	1.44E-07	2.52E-09	1.73E-07	2.47E-08	7.52E-08	7.63E-10	1.01E-07
7724	470469.83	3819521.79	2.84E-07	1.10E-06	1.46E-08	1.40E-06	2.37E-07	8.11E-07	1.05E-08	1.06E-06	2.69E-08	1.42E-07	2.49E-09	1.71E-07	2.44E-08	7.44E-08	7.54E-10	9.95E-08
7725	470466.15	3819530.42	2.81E-07	1.09E-06	1.44E-08	1.38E-06	2.34E-07	8.00E-07	1.04E-08	1.04E-06	2.65E-08	1.40E-07	2.46E-09	1.69E-07	2.41E-08	7.34E-08	7.44E-10	9.83E-08
7726	470462.47	3819539.06	2.77E-07	1.07E-06	1.42E-08	1.36E-06	2.31E-07	7.89E-07	1.02E-08	1.03E-06	2.61E-08	1.38E-07	2.43E-09	1.67E-07	2.38E-08	7.23E-08	7.34E-10	9.68E-08
7727	470458.79	3819547.69	2.72E-07	1.06E-06	1.40E-08	1.34E-06	2.27E-07	7.76E-07	1.00E-08	1.01E-06	2.57E-08	1.36E-07	2.39E-09	1.64E-07	2.34E-08	7.12E-08	7.22E-10	9.53E-08
7728	470455.12	3819556.33	2.68E-07	1.04E-06	1.38E-08	1.32E-06	2.23E-07	7.63E-07	9.88E-09	9.96E-07	2.53E-08	1.34E-07	2.35E-09	1.61E-07	2.30E-08	7.00E-08	7.10E-10	9.37E-08
7729	470451.44	3819564.96	2.63E-07	1.02E-06	1.35E-08	1.30E-06	2.19E-07	7.50E-07	9.70E-09	9.78E-07	2.48E-08	1.31E-07	2.30E-09	1.58E-07	2.26E-08	6.88E-08	6.97E-10	9.20E-08
7730	470447.76	3819573.6	2.58E-07	1.00E-06	1.33E-08	1.27E-06	2.15E-07	7.36E-07	9.52E-09	9.60E-07	2.44E-08	1.29E-07	2.26E-09	1.55E-07	2.22E-08	6.75E-08	6.84E-10	9.03E-08
7731	470444.09	3819582.23	2.53E-07	9.82E-07	1.30E-08	1.25E-06	2.11E-07	7.21E-07	9.33E-09	9.41E-07	2.39E-08	1.26E-07	2.22E-09	1.52E-07	2.17E-08	6.62E-08	6.71E-10	8.86E-08
7732	470440.41	3819590.86	2.48E-07	9.62E-07	1.27E-08	1.22E-06	2.07E-07	7.07E-07	9.15E-09	9.23E-07	2.34E-08	1.24E-07	2.17E-09	1.49E-07	2.13E-08	6.48E-08	6.58E-10	8.68E-08
7733	470436.73	3819599.5	2.43E-07	9.42E-07	1.25E-08	1.20E-06	2.02E-07	6.92E-07	8.96E-09	9.04E-07	2.29E-08	1.21E-07	2.13E-09	1.46E-07	2.09E-08	6.35E-08	6.44E-10	8.50E-08
7734	470424.34	3819611.62	2.43E-07	9.43E-07	1.25E-08	1.20E-06	2.03E-07	6.93E-07	8.97E-09	9.05E-07	2.30E-08	1.21E-07	2.13E-09	1.47E-07	2.09E-08	6.36E-08	6.45E-10	8.51E-08
7735	470415.62	3819615.1	2.49E-07	9.64E-07	1.28E-08	1.23E-06	2.07E-07	7.08E-07	9.17E-09	9.25E-07	2.35E-08	1.24E-07	2.18E-09	1.50E-07	2.13E-08	6.50E-08	6.59E-10	8.70E-08
7736	470406.91	3819618.58	2.54E-07	9.85E-07	1.31E-08	1.25E-06	2.12E-07	7.24E-07	9.37E-09	9.45E-07	2.40E-08	1.27E-07	2.23E-09	1.53E-07	2.18E-08	6.64E-08	6.73E-10	8.89E-08
7737	470398.19	3819622.06	2.60E-07	1.01E-06	1.33E-08	1.28E-06	2.16E-07	7.40E-07	9.57E-09	9.66E-07	2.45E-08	1.30E-07	2.27E-09	1.56E-07	2.23E-08	6.79E-08	6.88E-10	9.08E-08
7738	470389.48	3819625.54	2.65E-07	1.03E-06	1.36E-08	1.31E-06	2.21E-07	7.56E-07	9.79E-09	9.87E-07	2.51E-08	1.33E-07	2.33E-09	1.60E-07	2.28E-08	6.94E-08	7.04E-10	9.29E-08
7739	470380.77	3819629.03	2.71E-07	1.05E-06	1.39E-08	1.34E-06	2.26E-07	7.73E-07	1.00E-08	1.01E-06	2.56E-08	1.35E-07	2.38E-09	1.63E-07	2.33E-08	7.09E-08	7.19E-10	9.49E-08
7740	470372.05	3819632.51	2.77E-07	1.08E-06	1.43E-08	1.37E-06	2.31E-07	7.91E-07	1.02E-08	1.03E-06	2.62E-08	1.39E-07	2.43E-09	1.67E-07	2.38E-08	7.25E-08	7.36E-10	9.71E-08
7741	470363.34	3819635.99	2.84E-07	1.10E-06	1.46E-08	1.40E-06	2.36E-07	8.09E-07	1.05E-08	1.06E-06	2.68E-08	1.42E-07	2.49E-09	1.71E-07	2.44E-08	7.42E-08	7.52E-10	9.93E-08
7742	470354.62	3819639.47	2.90E-07	1.13E-06	1.49E-08	1.43E-06	2.42E-07	8.27E-07	1.07E-08	1.08E-06	2.74E-08	1.45E-07	2.54E-09	1.75E-07	2.49E-08	7.59E-08	7.69E-10	1.02E-07
7743	470345.91	3819642.95	2.97E-07	1.15E-06	1.53E-08	1.46E-06	2.47E-07	8.46E-07	1.09E-08	1.10E-06	2.80E-08	1.48E-07	2.60E-09	1.79E-07	2.55E-08	7.76E-08	7.87E-10	1.04E-07
7744	470337.19	3819646.43	3.03E-07	1.18E-06	1.56E-08	1.50E-06	2.53E-07	8.65E-07	1.12E-08	1.13E-06	2.87E-08	1.52E-07	2.66E-09	1.83E-07	2.61E-08	7.93E-08	8.04E-10	1.06E-07
7745	470328.48	3819649.92	3.10E-07	1.20E-06	1.59E-08	1.53E-06	2.58E-07	8.84E-07	1.14E-08	1.15E-06	2.93E-08	1.55E-07	2.72E-09	1.87E-07	2.66E-08	8.11E-08	8.22E-10	1.09E-07
7746	470319.76	3819653.4	3.17E-07	1.23E-06	1.63E-08	1.56E-06	2.64E-07	9.03E-07	1.17E-08	1.18E-06	2.99E-08	1.58E-07	2.78E-09	1.91E-07	2.72E-08	8.28E-08	8.40E-10	1.11E-07
7747	470311.05	3819656.88	3.24E-07	1.25E-06	1.66E-08	1.59E-06	2.69E-07	9.22E-07	1.19E-08	1.20E-06	3.06E-08	1.62E-07	2.84E-09	1.95E-07	2.78E-08	8.46E-08	8.58E-10	1.13E-07
7748	470302.33	3819660.36	3.30E-07	1.28E-06	1.70E-08	1.63E-06	2.75E-07	9.41E-07	1.22E-08	1.23E-06	3.12E-08	1.65E-07	2.89E-09	1.99E-07	2.83E-08	8.63E-08	8.75E-10	1.16E-07
7749	470499.24	3819452.72	2.93E-07	1.14E-06	1.50E-08	1.44E-06	2.44E-07	8.35E-07	1.08E-08	1.09E-06	2.77E-08	1.46E-07	2.57E-09	1.76E-07	2.51E-08	7.66E-08	7.76E-10	1.02E-07
7750	470499.32	3819443.07	2.98E-07	1.15E-06	1.53E-08	1.47E-06	2.48E-07	8.49E-07	1.10E-08	1.11E-06	2.81E-08	1.49E-07	2.61E-09	1.79E-07	2.56E-08	7.78E-08	7.89E-10	1.04E-07
7751	470499.41	3819433.42	3.02E-07	1.17E-06	1.55E-08	1.49E-06	2.51E-07	8.60E-07	1.11E-08	1.12E-06	2.85E-08	1.51E-07	2.64E-09	1.82E-07	2.59E-08	7.89E-08	8.00E-10	1.06E-07
7752	470499.49	3819423.77	3.05E-07	1.18E-06	1.57E-08	1.50E-06	2.54E-07	8.69E-07	1.13E-08	1.13E-06	2.88E-08	1.52E-07	2.67E-09	1.84E-07	2.62E-08	7.98E-08	8.09E-10	1.07E-07
7753	470499.57	3819414.12	3.07E-07	1.19E-06	1.58E-08	1.52E-06	2.56E-07	8.76E-07	1.13E-08	1.14E-06	2.90E-08	1.53E-07	2.69E-09	1.85E-07	2.64E-08	8.04E-08	8.15E-10	1.08E-07
7754	470499.66	3819404.48	3.09E-07	1.20E-06	1.59E-08	1.52E-06	2.57E-07	8.80E-07	1.14E-08	1.15E-06	2.92E-08	1.54E-07	2.71E-09	1.86E-07	2.65E-08	8.07E-08	8.19E-10	1.08E-07
7755	470499.74	3819394.83	3.09E-07	1.20E-06	1.59E-08	1.52E-06	2.57E-07	8.81E-07	1.14E-08	1.15E-06	2.92E-08	1.54E-07	2.71E-09	1.86E-07	2.65E-08	8.08E-08	8.19E-10	1.08E-07
7756	470499.82	3819385.18	3.08E-07	1.20E-06	1.58E-08	1.52E-06	2.57E-07	8.79E-07	1.14E-08	1.15E-06	2.91E-08	1.54E-07	2.70E-09	1.86E-07	2.65E-08	8.06E-08	8.17E-10	1.08E-07
7757	470499.9	3819375.53	3.06E-07	1.19E-06	1.57E-08	1.51E-06	2.55E-07	8.73E-07	1.13E-08	1.14E-06	2.89E-08	1.53E-07	2.69E-09	1.85E-07	2.63E-08	8.01E-08	8.12E-10	1.07E-07
7758	470499.99	3819365.88	3.03E-07	1.18E-06	1.56E-08	1.50E-06	2.53E-07	8.65E-07	1.12E-08	1.13E-06	2.87E-08	1.51E-07	2.66E-09	1.83E-07	2.60E-08	7.93E-08	8.04E-10	1.06E-07
7759	470500.07	3819356.23	2.99E-07	1.16E-06	1.54E-08	1.48E-06	2.49E-07	8.53E-07	1.10E-08	1.11E-06	2.83E-08	1.49E-07	2.62E-09	1.80E-07	2.57E-08	7.82E-08	7.93E-10	1.05E-07
7760	470500.15	3819346.59	2.94E-07	1.14E-06	1.51E-08	1.45E-06	2.45E-07	8.38E-07	1.08E-08	1.09E-06	2.78E-08	1.47E-07	2.58E-09	1.77E-07	2.52E-08	7.69E-08	7.79E-10	1.03E-07
7761	470500.23	3819336.94	2.88E-07	1.12E-06	1.48E-08	1.42E-06	2.40E-07	8.20E-07	1.06E-08	1.07E-06	2.72E-08	1.44E-07	2.52E-09	1.73E-07	2.47E-08	7.52E-08	7.63E-10	1.01E-07
7762	470500.32	3819327.29	2.80E-07	1.09E-06	1.44E-08	1.38E-06	2.34E-07	7.99E-07	1.03E-08	1.04E-06	2.65E-08	1.40E-07	2.46E-09	1.69E-07	2.41E-08	7.33E-08	7.43E-10	9.81E-08
7763	470500.4	3819317.64	2.72E-07	1.06E-06	1.40E-08	1.34E-06	2.27E-07	7.76E-07	1.00E-08	1.01E-06	2.57E-08	1.36E-07	2.39E-09	1.64E-07	2.34E-08	7.12E-08	7.22E-10	9.53E-08
7764	470515.63	3819461.37	2.62E-07	1.01E-06	1.34E-08	1.29E-06	2.18E-07	7.46E-07	9.65E-09	9.73E-07	2.47E-08	1.31E-07	2.29E-09	1.58E-07	2.25E-08	6.84E-08	6.93E-10	9.15E-08
7765	470512.02	3819469.84	2.63E-07	1.02E-06	1.35E-08	1.29E-06	2.19E-07	7.48E-07	9.68E-09	9.77E-07	2.48E-08	1.31E-07	2.30E-09	1.58E-07	2.25E-08	6.86E-08	6.96E-10	9.19E-08
7766	470508.41	3819478.32	2.63E-07	1.02E-06	1.35E-08	1.30E-06	2.19E-07	7.49E-07	9.70E-09	9.78E-07	2.48E-08	1.31E-07	2.30E-09	1.58E-07	2.26E-08	6.87E-08	6.97E-10	9.20E-08
7767	470504.8	3819486.8	2.63E-07	1.02E-06	1.35E-08	1.29E-06	2.19E-07	7.49E-07	9.69E-09	9.77E-07	2.48E-08	1.31E-07	2.30E-09	1.58E-07	2.26E-08	6.87E-08	6.96E-10	9.19E-08
7768	470501.19	3819495.27	2.62E-07	1.02E-06	1.35E-08	1.29E-06	2.18E-07	7.46E-07	9.66E-09	9.74E-07	2.47E-08	1.31E-07	2.30E-09	1.58E-07	2.25E-08	6.85E-08	6.94E-10	9.16E-08
7769	470497.58	3819503.75	2.61E-07	1.01E-06	1.34E-08	1.28E-06	2.17E-07	7.43E-07	9.61E-09	9.70E-07	2.46E-08	1.30E-07	2.28E-09	1.57E-07	2.24E-08	6.81E-08	6.91E-10	9.12E-08
7770	470493.97	3819512.23	2.59E-07	1.00E-06	1.33E-08	1.28E-06	2.16E-07	7.38E-07	9.55E-09	9.63E-07	2.44E-08	1.29E-07	2.27E-09	1.56E-07	2.22E-08	6.77E-08	6.86E-10	9.06E-08
7771	470490.36	3819520.71	2.57E-07	9.96E-07	1.32E-08	1.27E-06	2.14E-07	7.32E-07	9.47E-09	9.55E-07	2.42E-08	1.28E-07	2.25E-09	1.55E-07	2.20E-08	6.71E-08	6.80E-10	8.98E-08
7772	470486.75	3819529.18	2.54E-07	9.85E-07	1.31E-08	1.25E-06	2.12E-07	7.24E-07	9.37E-09	9.45E-07	2.40E-08	1.27E-07	2.23E-09	1.53E-07	2.18E-08	6.64E-08	6.74E-10

7773	470483.14	3819537.66	2.51E-07	9.74E-07	1.29E-08	1.24E-06	2.09E-07	7.16E-09	9.26E-09	9.34E-07	2.37E-08	1.25E-07	2.20E-09	1.51E-07	2.16E-08	6.57E-08	6.66E-10	8.79E-08
7774	470479.53	3819546.14	2.48E-07	9.61E-07	1.27E-08	1.22E-06	2.06E-07	7.06E-07	9.14E-09	9.22E-07	2.34E-08	1.24E-07	2.17E-09	1.49E-07	2.13E-08	6.48E-08	6.57E-10	8.67E-08
7775	470475.92	3819554.62	2.44E-07	9.48E-07	1.26E-08	1.20E-06	2.04E-07	6.97E-07	9.01E-09	9.09E-07	2.31E-08	1.22E-07	2.14E-09	1.47E-07	2.10E-08	6.39E-08	6.48E-10	8.55E-08
7776	470472.31	3819563.09	2.41E-07	9.34E-07	1.24E-08	1.19E-06	2.00E-07	6.86E-07	8.88E-09	8.95E-07	2.27E-08	1.20E-07	2.11E-09	1.45E-07	2.07E-08	6.29E-08	6.38E-10	8.42E-08
7777	470468.7	3819571.57	2.37E-07	9.19E-07	1.22E-08	1.17E-06	1.97E-07	6.75E-07	8.73E-09	8.81E-07	2.24E-08	1.18E-07	2.08E-09	1.43E-07	2.03E-08	6.19E-08	6.28E-10	8.29E-08
7778	470465.09	3819580.05	2.33E-07	9.03E-07	1.20E-08	1.15E-06	1.94E-07	6.64E-07	8.59E-09	8.66E-07	2.20E-08	1.16E-07	2.04E-09	1.40E-07	2.00E-08	6.09E-08	6.17E-10	8.15E-08
7779	470461.48	3819588.52	2.29E-07	8.87E-07	1.18E-08	1.13E-06	1.91E-07	6.52E-07	8.44E-09	8.51E-07	2.16E-08	1.14E-07	2.00E-09	1.38E-07	1.96E-08	5.98E-08	6.06E-10	8.00E-08
7780	470457.87	3819597	2.25E-07	8.71E-07	1.15E-08	1.11E-06	1.87E-07	6.40E-07	8.28E-09	8.35E-07	2.12E-08	1.12E-07	1.97E-09	1.35E-07	1.93E-08	5.87E-08	5.95E-10	7.86E-08
7781	470454.26	3819605.48	2.20E-07	8.55E-07	1.13E-08	1.09E-06	1.84E-07	6.28E-07	8.13E-09	8.20E-07	2.08E-08	1.10E-07	1.93E-09	1.33E-07	1.89E-08	5.76E-08	5.84E-10	7.71E-08
7782	470450.65	3819613.96	2.16E-07	8.39E-07	1.11E-08	1.07E-06	1.80E-07	6.16E-07	7.98E-09	8.04E-07	2.04E-08	1.08E-07	1.90E-09	1.30E-07	1.86E-08	5.65E-08	5.73E-10	7.57E-08
7783	470438.48	3819625.85	2.16E-07	8.39E-07	1.11E-08	1.07E-06	1.80E-07	6.17E-07	7.98E-09	8.05E-07	2.04E-08	1.08E-07	1.90E-09	1.30E-07	1.86E-08	5.66E-08	5.74E-10	7.57E-08
7784	470429.92	3819629.27	2.21E-07	8.56E-07	1.13E-08	1.09E-06	1.84E-07	6.29E-07	8.14E-09	8.21E-07	2.09E-08	1.10E-07	1.94E-09	1.33E-07	1.90E-08	5.77E-08	5.85E-10	7.73E-08
7785	470421.37	3819632.69	2.25E-07	8.74E-07	1.16E-08	1.11E-06	1.88E-07	6.42E-07	8.31E-09	8.38E-07	2.13E-08	1.12E-07	1.97E-09	1.36E-07	1.93E-08	5.89E-08	5.97E-10	7.88E-08
7786	470412.81	3819636.11	2.30E-07	8.92E-07	1.18E-08	1.13E-06	1.91E-07	6.55E-07	8.48E-09	8.55E-07	2.17E-08	1.15E-07	2.01E-09	1.39E-07	1.97E-08	6.01E-08	6.09E-10	8.04E-08
7787	470404.25	3819639.53	2.35E-07	9.10E-07	1.21E-08	1.16E-06	1.95E-07	6.69E-07	8.65E-09	8.73E-07	2.22E-08	1.17E-07	2.06E-09	1.41E-07	2.01E-08	6.13E-08	6.22E-10	8.21E-08
7788	470395.7	3819642.95	2.40E-07	9.29E-07	1.23E-08	1.18E-06	1.99E-07	6.83E-07	8.83E-09	8.91E-07	2.26E-08	1.20E-07	2.10E-09	1.44E-07	2.06E-08	6.26E-08	6.35E-10	8.38E-08
7789	470387.14	3819646.36	2.45E-07	9.48E-07	1.26E-08	1.21E-06	2.04E-07	6.97E-07	9.02E-09	9.10E-07	2.31E-08	1.22E-07	2.14E-09	1.47E-07	2.10E-08	6.39E-08	6.48E-10	8.56E-08
7790	470378.59	3819649.78	2.50E-07	9.68E-07	1.28E-08	1.23E-06	2.08E-07	7.12E-07	9.21E-09	9.29E-07	2.36E-08	1.25E-07	2.19E-09	1.50E-07	2.14E-08	6.53E-08	6.62E-10	8.74E-08
7791	470370.03	3819653.2	2.55E-07	9.89E-07	1.31E-08	1.26E-06	2.12E-07	7.27E-07	9.41E-09	9.49E-07	2.41E-08	1.27E-07	2.23E-09	1.54E-07	2.19E-08	6.67E-08	6.76E-10	8.92E-08
7792	470361.47	3819656.62	2.60E-07	1.01E-06	1.34E-08	1.28E-06	2.17E-07	7.42E-07	9.61E-09	9.69E-07	2.46E-08	1.30E-07	2.28E-09	1.57E-07	2.24E-08	6.81E-08	6.91E-10	9.12E-08
7793	470352.92	3819660.04	2.66E-07	1.03E-06	1.37E-08	1.31E-06	2.22E-07	7.58E-07	9.81E-09	9.90E-07	2.51E-08	1.33E-07	2.33E-09	1.60E-07	2.28E-08	6.95E-08	7.05E-10	9.31E-08
7794	470344.36	3819663.46	2.72E-07	1.05E-06	1.40E-08	1.34E-06	2.26E-07	7.74E-07	1.00E-08	1.01E-06	2.57E-08	1.36E-07	2.38E-09	1.64E-07	2.33E-08	7.10E-08	7.20E-10	9.51E-08
7795	470335.8	3819666.88	2.77E-07	1.08E-06	1.42E-08	1.37E-06	2.31E-07	7.90E-07	1.02E-08	1.03E-06	2.62E-08	1.38E-07	2.43E-09	1.67E-07	2.38E-08	7.25E-08	7.35E-10	9.70E-08
7796	470327.25	3819670.29	2.83E-07	1.10E-06	1.45E-08	1.39E-06	2.36E-07	8.06E-07	1.04E-08	1.05E-06	2.67E-08	1.41E-07	2.48E-09	1.70E-07	2.43E-08	7.40E-08	7.50E-10	9.90E-08
7797	470318.69	3819673.71	2.89E-07	1.12E-06	1.48E-08	1.42E-06	2.40E-07	8.22E-07	1.06E-08	1.07E-06	2.72E-08	1.44E-07	2.53E-09	1.74E-07	2.48E-08	7.54E-08	7.65E-10	1.01E-07
7798	470310.13	3819677.13	2.94E-07	1.14E-06	1.51E-08	1.45E-06	2.45E-07	8.38E-07	1.08E-08	1.09E-06	2.78E-08	1.47E-07	2.58E-09	1.77E-07	2.53E-08	7.69E-08	7.80E-10	1.03E-07
7799	470301.58	3819680.55	3.00E-07	1.16E-06	1.54E-08	1.48E-06	2.50E-07	8.54E-07	1.10E-08	1.11E-06	2.83E-08	1.50E-07	2.63E-09	1.80E-07	2.57E-08	7.83E-08	7.94E-10	1.05E-07
7800	470519.24	3819452.89	2.60E-07	1.01E-06	1.34E-08	1.28E-06	2.17E-07	7.41E-07	9.59E-09	9.67E-07	2.46E-08	1.30E-07	2.28E-09	1.57E-07	2.23E-08	6.80E-08	6.89E-10	9.10E-08
7801	470519.32	3819443.24	2.64E-07	1.02E-06	1.36E-08	1.30E-06	2.20E-07	7.52E-07	9.73E-09	9.81E-07	2.49E-08	1.32E-07	2.31E-09	1.59E-07	2.26E-08	6.89E-08	6.99E-10	9.23E-08
7802	470519.41	3819433.59	2.67E-07	1.03E-06	1.37E-08	1.32E-06	2.22E-07	7.60E-07	9.84E-09	9.92E-07	2.52E-08	1.33E-07	2.34E-09	1.61E-07	2.29E-08	6.97E-08	7.07E-10	9.34E-08
7803	470519.49	3819423.94	2.69E-07	1.04E-06	1.38E-08	1.33E-06	2.24E-07	7.67E-07	9.93E-09	1.00E-06	2.54E-08	1.34E-07	2.36E-09	1.62E-07	2.31E-08	7.04E-08	7.13E-10	9.42E-08
7804	470519.57	3819414.3	2.71E-07	1.05E-06	1.39E-08	1.33E-06	2.26E-07	7.72E-07	9.99E-09	1.01E-06	2.56E-08	1.35E-07	2.37E-09	1.63E-07	2.32E-08	7.08E-08	7.18E-10	9.47E-08
7805	470519.65	3819404.65	2.72E-07	1.05E-06	1.40E-08	1.34E-06	2.26E-07	7.74E-07	1.00E-08	1.01E-06	2.56E-08	1.36E-07	2.38E-09	1.64E-07	2.33E-08	7.10E-08	7.20E-10	9.50E-08
7806	470519.74	3819395	2.72E-07	1.05E-06	1.40E-08	1.34E-06	2.26E-07	7.74E-07	1.00E-08	1.01E-06	2.56E-08	1.36E-07	2.38E-09	1.64E-07	2.33E-08	7.10E-08	7.20E-10	9.50E-08
7807	470535.52	3819461.81	2.34E-07	9.07E-07	1.20E-08	1.15E-06	1.95E-07	6.67E-07	8.63E-09	8.70E-07	2.21E-08	1.17E-07	2.05E-09	1.41E-07	2.01E-08	6.11E-08	6.20E-10	8.18E-08
7808	470531.79	3819470.55	2.35E-07	9.12E-07	1.21E-08	1.16E-06	1.96E-07	6.70E-07	8.67E-09	8.74E-07	2.22E-08	1.17E-07	2.06E-09	1.42E-07	2.02E-08	6.14E-08	6.23E-10	8.22E-08
7809	470528.07	3819479.3	2.36E-07	9.14E-07	1.21E-08	1.16E-06	1.96E-07	6.72E-07	8.69E-09	8.77E-07	2.23E-08	1.18E-07	2.06E-09	1.42E-07	2.02E-08	6.16E-08	6.25E-10	8.25E-08
7810	470524.34	3819488.04	2.36E-07	9.14E-07	1.21E-08	1.16E-06	1.96E-07	6.72E-07	8.70E-09	8.77E-07	2.23E-08	1.18E-07	2.07E-09	1.42E-07	2.02E-08	6.16E-08	6.25E-10	8.25E-08
7811	470520.62	3819496.79	2.35E-07	9.13E-07	1.21E-08	1.16E-06	1.96E-07	6.71E-07	8.68E-09	8.76E-07	2.22E-08	1.18E-07	2.06E-09	1.42E-07	2.02E-08	6.15E-08	6.24E-10	8.24E-08
7812	470516.89	3819505.54	2.35E-07	9.10E-07	1.21E-08	1.16E-06	1.95E-07	6.68E-07	8.65E-09	8.72E-07	2.21E-08	1.17E-07	2.06E-09	1.41E-07	2.01E-08	6.13E-08	6.22E-10	8.21E-08
7813	470513.17	3819514.28	2.33E-07	9.05E-07	1.20E-08	1.15E-06	1.94E-07	6.65E-07	8.60E-09	8.68E-07	2.20E-08	1.16E-07	2.04E-09	1.41E-07	2.00E-08	6.10E-08	6.18E-10	8.16E-08
7814	470509.44	3819523.03	2.32E-07	8.98E-07	1.19E-08	1.14E-06	1.93E-07	6.60E-07	8.54E-09	8.62E-07	2.19E-08	1.16E-07	2.03E-09	1.40E-07	1.99E-08	6.06E-08	6.14E-10	8.11E-08
7815	470505.72	3819531.78	2.30E-07	8.91E-07	1.18E-08	1.13E-06	1.91E-07	6.54E-07	8.47E-09	8.54E-07	2.17E-08	1.15E-07	2.01E-09	1.38E-07	1.97E-08	6.00E-08	6.09E-10	8.03E-08
7816	470501.99	3819540.52	2.27E-07	8.81E-07	1.17E-08	1.12E-06	1.89E-07	6.48E-07	8.38E-09	8.45E-07	2.15E-08	1.13E-07	1.99E-09	1.37E-07	1.95E-08	5.94E-08	6.02E-10	7.95E-08
7817	470498.27	3819549.27	2.25E-07	8.71E-07	1.15E-08	1.11E-06	1.87E-07	6.40E-07	8.28E-09	8.36E-07	2.12E-08	1.12E-07	1.97E-09	1.35E-07	1.93E-08	5.87E-08	5.95E-10	7.86E-08
7818	470494.54	3819558.02	2.22E-07	8.60E-07	1.14E-08	1.09E-06	1.85E-07	6.32E-07	8.18E-09	8.25E-07	2.09E-08	1.11E-07	1.94E-09	1.34E-07	1.90E-08	5.80E-08	5.88E-10	7.76E-08
7819	470490.82	3819566.76	2.19E-07	8.48E-07	1.12E-08	1.08E-06	1.82E-07	6.23E-07	8.06E-09	8.13E-07	2.06E-08	1.09E-07	1.92E-09	1.32E-07	1.88E-08	5.72E-08	5.80E-10	7.65E-08
7820	470487.09	3819575.51	2.15E-07	8.35E-07	1.11E-08	1.06E-06	1.79E-07	6.14E-07	7.94E-09	8.01E-07	2.03E-08	1.08E-07	1.89E-09	1.30E-07	1.85E-08	5.63E-08	5.71E-10	7.54E-08
7821	470483.37	3819584.26	2.12E-07	8.22E-07	1.09E-08	1.05E-06	1.77E-07	6.04E-07	7.82E-09	7.89E-07	2.00E-08	1.06E-07	1.86E-09	1.28E-07	1.82E-08	5.54E-08	5.62E-10	7.42E-08
7822	470479.64	3819593	2.08E-07	8.09E-07	1.07E-08	1.03E-06	1.74E-07	5.94E-07	7.69E-09	7.76E-07	1.97E-08	1.04E-07	1.83E-09	1.26E-07	1.79E-08	5.45E-08	5.53E-10	7.30E-08
7823	470475.92	3819601.75	2.05E-07	7.95E-07	1.05E-08	1.01E-06	1.71E-07	5.84E-07	7.56E-09	7.62E-07	1.93E-08	1.02E-07	1.80E-09	1.23E-07	1.76E-08	5.36E-08	5.43E-10	7.17E-08
7824	470472.19	3819610.49	2.01E-07	7.81E-07	1.03E-08	9.92E-07	1.68E-07	5.74E-07	7.42E-09	7.49E-07	1.90E-08	1.00E-07	1.76E-09	1.21E-07	1.73E-08	5.26E-08	5.34E-10	7.04E-08
7825	470468.47	3819619.24	1.98E-07	7.67E-07	1.02E-08	9.74E-07	1.65E-07	5.63E-07	7.29E-09	7.35E-07	1.87E-08	9.87E-08	1.73E-09	1.19E-07	1.70E-08	5.17E-08	5.24E-10	6.92E-08
7826	470464.74	3819627.99	1.94E-07	7.52E-07	9.97E-09	9.56E-07	1.62E-07	5.53E-07	7.15E-09	7.22E-07	1.83E-08	9.69E-08	1.70E-09	1.17E-07	1.67E-08	5.07E-08	5.14E-10	6.79E-08
7827	470452.19	3819640.26	1.94E-07	7.53E-07	9.97E-09	9.57E-07	1.62E-07	5.53E-07	7.16E-09	7.22E-07	1.83E-08	9.69E-08	1.70E-09	1.17E-07	1.67E-08	5.07E-08	5.15E-10	6.79E-08
7828	470443.36	3819643.79	1.98E-07	7.68E-07	1.02E-08	9.76E-07	1.65E-07	5.64E-07	7.30E-09	7.36E-07	1.87E-08	9.88E-08	1.73E-09	1.19E-07	1.70E-08	5.17E-08	5.25E-10	6.93E-08
7829	470434.53	3819647.32	2.02E-07	7.83E-07	1.04E-08	9.95E-07	1.68E-07	5.75E-07	7.44E-09	7.51E-07	1.91E-08	1.01E-07	1.77E-09	1.22E-07	1.73E-08	5.28E-08	5.35E-10	7.06E-08
7830	470425.71	3819650.84	2.06E-07	7.98E-07	1.06E-08	1.01E-06	1.71E-07	5.87E-07	7.59E-09	7.66E-07	1.94E-08	1.03E-07	1.80E-09	1.24E-07	1.77E-08	5.38E-08	5.46E-10	7.20E-08
7831	470416.88	3819654.37	2.10E-07	8.15E-07	1.08E-08	1.04E-06	1.75E-07	5.99E-07	7.74E-09	7.81E-07	1.98E-08	1.05E-07	1.84E-09	1.27E-07	1.80E-08	5.49E-08	5.57E-10	7.35E-08
7832	470408.05	3819657.9	2.14E-07	8.31E-07	1.10E-08	1.06E-06	1.78E-07	6.11E-07	7.90E-09	7.97E-07	2.02E-08	1.07E-07	1.88E-09	1.29E-07	1.84E-08	5.60E-08	5.68E-10	7.50E-08
7833	470399.22	3819661.42	2.19E-07	8.48E-07	1.12E-08	1.08E-06	1.82E-07	6.23E-07	8.07E-09	8.14E-07	2.07E-08	1.09E-07	1.92E-09	1.32E-07	1.88E-08	5.72E-08	5.80E-10	7.65E-08
7834	470390.39	3819664.95	2.23E-07	8.66E-07	1.15E-08	1.10E-06	1.86E-07	6.36E-07	8.23E-09	8.30E-07	2.11E-08	1.11E-07	1.96E-09	1.35E-07	1.92E-08	5.84E-08	5.92E-10	7.81E-08
7835	470381.57	3819668.48	2.28E-07	8.84E-07	1.17E-08	1.12E-06	1.90E-07	6.50E-07	8.41E-09	8.48E-07	2.15E-08	1.14E-07	2.00E-09	1.37E-07	1.96E-08	5.96E-08	6.04E-10	7.98E-08
7836	470372.74	3819672.01	2.33E-07	9.03E-07	1.20E-08	1.15E-06	1.94E-07	6.63E-07	8.58E-09	8.66E-07	2.20E-08	1.16E-07	2.04E-09	1.40E-07	2.00E-08	6.09E-08	6.17E-10	8.15E-08
7837	470363.91	3819675.53	2.38E-07	9.22E-07	1.22E-08	1.17E-06	1.98E-07	6.77E-07	8.77E-09	8.84E-07	2.24E-08	1.19E-07	2.08E-09	1.43E-07	2.04E-08	6.21E-08	6.30E-10	8.32E-08
7838	470355.08	3819679.06	2.43E-07	9.41E-07	1.25E-08	1.20E-06	2.02E-07	6.92E-07	8.95E-09	9.03E-07	2.29E-08	1.21E-07	2.13E-09	1.46E-07	2.08E-08	6.35E-08	6.44E-10	8.49E-08
7839	470346.25	3819682.59	2.48E-07	9.61E-07	1.27E-08	1.22E-06	2.06E-07	7.06E-07	9.14E-09	9.22E-07	2.34E-08	1.24E-07	2.17E-09	1.49E-07	2.13E-08	6.48E-08	6.57E-10	8.67E-08
7840	470337.43	3819686.11	2.53E-07	9.81E-07	1.30E-08	1.25E-06	2.11E-07	7.21E-07	9.33E-09	9.41E-07	2.39E-08	1.26E-07	2.22E-09	1.52E-07	2.17E-08	6.61E-08	6.70E-10	8.85E-08
7841	470328.6	3819689.64	2.58E-07	1.00E-06	1.33E-08	1.27E-06	2.15E-07	7.35E-07	9.51E-09	9.59E-07	2.44E-08	1.29E-07	2.26E-09	1.55E-07	2.21E-08	6.74E-08	6.84E-10	9.02E-08
7842	470319.77	3819693.17	2.63E-07	1.02E-06	1.35E-08	1.30E-06	2.19E-07	7.49E-07	9.69E-09	9.78E-07	2.48E-08	1.31E-07	2.30E-09	1.58E-07	2.26E-08	6.87E-08	6.97E-10	9.20E-08
7843	470310.94	3819696.7	2.68E-07	1.04E-06	1.38E-08	1.32E-06	2.23E-07	7.63E-07	9.88E-09	9.96E-07	2.53E-08	1.34E-07	2.35E-09	1.61E-07	2.30E-08	7.00E-08	7.10E-10	9.37E-08
7844	470302.11	3819700.22	2.73E-07	1.06E-06	1.40E-08	1.34E-06	2.27E-07	7.77E-07	1.01E-08	1.01E-06	2.57E-08	1.36E-07	2.39E-09	1.64E-07	2.34E-08	7.13E-08	7.23E-10	9.54E-08
7845	470540.93	3819496.23	2.13E-07	8.25E-07	1.09E-08	1.05E-06	1.77E-07	6.06E-07	7.84E-09	7.91E-07	2.01E-08	1.06E-07	1.86E-09	1.28E-07	1.83E-08	5.56E-08	5.64E-10	7.44E-08
7846	470537.26	3819504.83	2.12E-07	8.23E-07	1.09E-08	1.05E-06	1.77E-07	6.05E-07	7.83E-09	7.89E-07	2.00E-08	1.06E-07	1.86E-09	1.28E-07	1.82E-08	5.55E-08	5.63E-10	7.43E-08
7847	470533.6	3819513.43	2.12E-07	8.20E-07	1.09E-08	1.04E-06	1.76E-07	6.03E-07	7.80E-09	7.87E-07	2.00E-08	1.06E-07	1.85E-09	1.27E-07	1.82E-08	5.53E-08	5.61E-10	7.40E-08
7848	470529.94	3819522.03	2.10E-07	8.16E-07	1.08E-08	1.04E-06	1.75E-07	6.00E-07	7.76E-09	7.83E-07	1.99E-08	1.05E-07	1.84E-09	1.27E-07	1.81E-08	5.50E-08	5.58E-10	7.36E-08
7849	470526.28	3819530.63	2.09E-07	8.11E-07	1.07E-08	1.03E-06	1.74E-07	5.96E-07	7.71E-09	7.78E-07	1.97E-08	1.04E-07	1.83E-09	1.26E-07	1.79E-08	5.47E-08	5.54E-10	7.32E-08
7850	470522.61	3819539.23	2.07E-07	8.04E-07	1.07E-08	1.02E-06	1.73E-07	5.91E-07	7.65E-09	7.71E-07	1.96E-08	1.04E-07	1.82E-09	1.25E-07	1.78E-08	5.42E-08	5.50E-10	7.26E-08
7851	470518.95	3819547.83	2.05E-07	7.97E-07	1.06E-08	1.01E-06	1.71E-07	5.86E-07	7.58E-09	7.64E-07	1.94E-08	1.03E-07	1.80E-09	1.24E-07	1.76E-08	5.37E-08	5.45E-10	7.19E-08
7852	470515.29	3819556.43	2.03E-07	7.89E-07	1.04E-08	1.00E-06	1.69E-07	5.79E-07	7.50E-09	7.56E-07	1.92E-08	1.02E-07	1.78E-09	1.22E-07	1.75E-08	5.32E-08	5.39E-10	7.11E-08
7853	470511.63	3819565.03	2.01E-07	7.79E-07	1.03E-08	9.91E-07	1.67E-07	5.73E-07	7.41E-09	7.48E-07	1.90E-08	1.00E-07	1.76E-09	1.21E-07	1.73E-08	5.25E-08	5.33E-10	7.03E-08
7854	470507.96	3819573.63	1.98E-07	7.70E-07	1.02E-08	9.78E-07	1.65E-07	5.66E-07	7.32E-09	7.38E-07	1.87E-08	9.91E-08	1.74E-09	1.20E-07	1.70E-08	5.19E-08	5.26E-10	6.94E-08
7855	470504.3	3819582.23	1.96E-07	7.59E-07	1.01E-08	9.65E-07	1.63E-07	5.58E-07	7.22E-09	7.28E-07	1.85E-08	9.77E-08	1.72E-09	1.18E-07	1.68E-08	5.12E-08	5.19E-10	6.85E-08
7856	470500.64	3819590.83	1.93E-07	7.48E-07	9.91E-09	9.51E-07	1.61E-07	5.50E-07	7.12E-09	7.18E-07	1.82E-08	9.63E-08	1.69E-09	1.16E-07	1.66E-08	5.04E-08	5.12E-10	6.75E-08
7857	470496.98	3819599.43	1.90E-07	7.37E-07	9.77E-09	9.37E-07	1.58E-07	5.42E-07	7.01E-09	7.07E-07	1.79E-08	9.49E-08	1.67E-09	1.15E-07	1.63E-08	4.97E-08	5.04E-10	6.65E-08
7858	470493.31	3819608.03	1.87E-07	7.26E-07	9.61E-09	9.22E-07	1.56E-07	5.33E-07	6.90E-09	6.96E-07	1.77E-08	9.34E-08	1.64E-09	1.13E-07	1.61E-08	4.89E-08	4.96E-10	6.55E-08
7859	470489.65	3819616.63	1.84E-07	7.14E-07	9.46E-09	9.07E-07	1.53E-07	5.25E-07	6.79E-09	6.85E-07	1.74E-08	9.19E-08	1.61E-09	1.11E-07	1.58E-08	4.81E-08	4.88E-10	6.44E-08
7860	470485.99	3819625.23	1.81E-07	7.02E-07	9.30E-09	8.92E-07	1.51E-07	5.16E-07	6.68E-09	6.73E-07	1.71E-08	9.04E-08	1.59E-09	1.09E-07	1.55E-08	4.73E-08	4.80E-10	6.33E-08
7861	470482.33	3819633.83	1.78E-07	6.90E-07	9.14E-09	8.77E-07	1.48E-07	5.07E-07	6.56E-09	6.62E-07	1.68E-08	8.88E-08	1.56E-09	1.07E-07	1.53E-08	4.65E-08	4.72E-10	6.23E-08
7862	470478.66	3819642.43	1.75E-07	6.78E-07	8.99E-09	8.62E-07	1.46E-07	4.98E-07	6.45E-09	6.51E-07	1.65E-08	8.73E-08	1.53E-09	1.05E-07	1.50E-08	4.57E-08	4.64E-10	6.12E-08
7863	470466.32	3819654.5	1.75E-07	6.78E-07	8.99E-09	8.62E-07	1.46E-07	4.99E-07	6.45E-09	6.51E-07	1.65E-08	8.73E-08	1.53E-09	1.05E-07	1.50E-08	4.57E-08	4.64E-10	6.12E-08
7864	470457.64	3819657.97	1.78E-07	6.91E-07	9.15E-09	8.78E-07	1.48E-07	5.08E-07	6.57E-09	6.63E-07	1.68E-08	8.89E-08	1.56E-09	1.07E-07	1.53E-08	4.66E-08	4.72E-10	6.23E-08
7865	470448.96	3819661.44	1.81E-07	7.04E-07	9.32E-09	8.94E-07	1.51E-07	5.17E-07	6.69E-09	6.75E-07	1.71E-08	9.06E-08	1.59E-09	1.09E-07	1.56E-08	4.74E-08	4.81E-10	6.35E-08
7866	470440.28	3819664.91	1.85E-07	7.17E-07	9.50E-09	9.11E-07	1.54E-07	5.27E-07	6.82E-09	6.87E-07	1.75E-08	9.23E-08	1.62E-09	1.11E-07	1.59E-08	4.83E-08	4.90E-10	6.47E-08
7867	470431.6	3819668.38	1.88E-07	7.30E-07	9.67E-09	9.28E-07	1.57E-07	5.37E-07	6.94E-09	7.00E-07	1.78E-08	9.40E-08	1.65E-09	1.13E-07	1.62E-08	4.92E-08	4.99E-10	6.59E-08
7868	470422.92	3819671.84	1.92E-07	7.44E-07	9.86E-09	9.46E-07	1.60E-07	5.47E-07	7.08E-09	7.14E-07	1.81E-08	9.58E-08	1.68E-09	1.16E-07	1.65E-08	5.02E-08	5.09E-10	6.71E-08

7869	470414.24	3819675.31	1.96E-07	7.58E-07	1.00E-08	9.64E-07	1.63E-07	5.57E-07	7.21E-09	7.27E-07	1.85E-08	9.76E-08	1.71E-09	1.18E-07	1.68E-08	5.11E-08	5.18E-10	6.84E-08
7870	470405.56	3819678.78	1.99E-07	7.73E-07	1.02E-08	9.83E-07	1.66E-07	5.68E-07	7.35E-09	7.41E-07	1.88E-08	9.95E-08	1.75E-09	1.20E-07	1.71E-08	5.21E-08	5.28E-10	6.97E-08
7871	470396.88	3819682.25	2.03E-07	7.88E-07	1.04E-08	1.00E-06	1.69E-07	5.79E-07	7.50E-09	7.56E-07	1.92E-08	1.01E-07	1.78E-09	1.22E-07	1.75E-08	5.31E-08	5.39E-10	7.11E-08
7872	470388.2	3819685.72	2.07E-07	8.04E-07	1.07E-08	1.02E-06	1.73E-07	5.91E-07	7.65E-09	7.71E-07	1.96E-08	1.04E-07	1.82E-09	1.25E-07	1.78E-08	5.42E-08	5.50E-10	7.25E-08
7873	470379.52	3819689.18	2.11E-07	8.20E-07	1.09E-08	1.04E-06	1.76E-07	6.03E-07	7.80E-09	7.87E-07	2.00E-08	1.06E-07	1.85E-09	1.27E-07	1.82E-08	5.53E-08	5.61E-10	7.40E-08
7874	470370.84	3819692.65	2.16E-07	8.37E-07	1.11E-08	1.06E-06	1.80E-07	6.15E-07	7.96E-09	8.03E-07	2.04E-08	1.08E-07	1.89E-09	1.30E-07	1.85E-08	5.64E-08	5.72E-10	7.55E-08
7875	470362.16	3819696.12	2.20E-07	8.54E-07	1.13E-08	1.08E-06	1.83E-07	6.27E-07	8.12E-09	8.19E-07	2.08E-08	1.10E-07	1.93E-09	1.33E-07	1.89E-08	5.75E-08	5.83E-10	7.70E-08
7876	470353.48	3819699.59	2.24E-07	8.70E-07	1.15E-08	1.11E-06	1.87E-07	6.40E-07	8.28E-09	8.35E-07	2.12E-08	1.12E-07	1.97E-09	1.35E-07	1.93E-08	5.87E-08	5.95E-10	7.85E-08
7877	470344.8	3819703.06	2.29E-07	8.87E-07	1.18E-08	1.13E-06	1.91E-07	6.52E-07	8.44E-09	8.51E-07	2.16E-08	1.14E-07	2.01E-09	1.38E-07	1.96E-08	5.98E-08	6.07E-10	8.01E-08
7878	470336.11	3819706.53	2.33E-07	9.04E-07	1.20E-08	1.15E-06	1.94E-07	6.65E-07	8.60E-09	8.67E-07	2.20E-08	1.16E-07	2.04E-09	1.40E-07	2.00E-08	6.10E-08	6.18E-10	8.16E-08
7879	470327.43	3819709.99	2.37E-07	9.21E-07	1.22E-08	1.17E-06	1.98E-07	6.77E-07	8.76E-09	8.83E-07	2.24E-08	1.19E-07	2.08E-09	1.43E-07	2.04E-08	6.21E-08	6.30E-10	8.31E-08
7880	470318.75	3819713.46	2.42E-07	9.37E-07	1.24E-08	1.19E-06	2.01E-07	6.89E-07	8.91E-09	8.99E-07	2.28E-08	1.21E-07	2.12E-09	1.46E-07	2.07E-08	6.32E-08	6.41E-10	8.46E-08
7881	470310.07	3819716.93	2.46E-07	9.54E-07	1.26E-08	1.21E-06	2.05E-07	7.01E-07	9.07E-09	9.14E-07	2.32E-08	1.23E-07	2.15E-09	1.48E-07	2.11E-08	6.43E-08	6.52E-10	8.60E-08
7882	470301.39	3819720.4	2.50E-07	9.69E-07	1.28E-08	1.23E-06	2.08E-07	7.12E-07	9.21E-09	9.29E-07	2.36E-08	1.25E-07	2.19E-09	1.51E-07	2.14E-08	6.53E-08	6.62E-10	8.74E-08
7883	470560.98	3819250.62	1.45E-07	5.64E-07	7.47E-09	7.17E-07	1.21E-07	4.14E-07	5.36E-09	5.41E-07	1.37E-08	7.26E-08	1.27E-09	8.76E-08	1.25E-08	3.80E-08	3.86E-10	5.09E-08
7884	470561.06	3819240.97	1.39E-07	5.37E-07	7.12E-09	6.83E-07	1.15E-07	3.95E-07	5.11E-09	5.15E-07	1.31E-08	6.92E-08	1.21E-09	8.35E-08	1.19E-08	3.62E-08	3.67E-10	4.85E-08
7885	470549.15	3819524.05	1.91E-07	7.42E-07	9.84E-09	9.44E-07	1.59E-07	5.46E-07	7.06E-09	7.12E-07	1.81E-08	9.56E-08	1.68E-09	1.15E-07	1.64E-08	5.00E-08	5.07E-10	6.70E-08
7886	470545.39	3819532.88	1.90E-07	7.38E-07	9.78E-09	9.39E-07	1.59E-07	5.43E-07	7.02E-09	7.08E-07	1.80E-08	9.51E-08	1.67E-09	1.15E-07	1.63E-08	4.98E-08	5.05E-10	6.66E-08
7887	470541.63	3819541.71	1.89E-07	7.33E-07	9.72E-09	9.32E-07	1.58E-07	5.39E-07	6.97E-09	7.03E-07	1.79E-08	9.44E-08	1.66E-09	1.14E-07	1.62E-08	4.94E-08	5.01E-10	6.62E-08
7888	470537.87	3819550.54	1.88E-07	7.27E-07	9.64E-09	9.25E-07	1.56E-07	5.35E-07	6.92E-09	6.98E-07	1.77E-08	9.36E-08	1.64E-09	1.13E-07	1.61E-08	4.90E-08	4.97E-10	6.56E-08
7889	470534.11	3819559.37	1.86E-07	7.21E-07	9.55E-09	9.16E-07	1.55E-07	5.30E-07	6.85E-09	6.91E-07	1.75E-08	9.28E-08	1.63E-09	1.12E-07	1.60E-08	4.86E-08	4.93E-10	6.50E-08
7890	470530.35	3819568.2	1.84E-07	7.13E-07	9.45E-09	9.06E-07	1.53E-07	5.24E-07	6.78E-09	6.84E-07	1.74E-08	9.18E-08	1.61E-09	1.11E-07	1.58E-08	4.81E-08	4.87E-10	6.43E-08
7891	470526.59	3819577.03	1.82E-07	7.05E-07	9.34E-09	8.96E-07	1.51E-07	5.18E-07	6.70E-09	6.76E-07	1.72E-08	9.07E-08	1.59E-09	1.09E-07	1.56E-08	4.75E-08	4.82E-10	6.36E-08
7892	470522.83	3819585.86	1.79E-07	6.96E-07	9.22E-09	8.85E-07	1.50E-07	5.12E-07	6.62E-09	6.68E-07	1.69E-08	8.96E-08	1.57E-09	1.08E-07	1.54E-08	4.69E-08	4.76E-10	6.28E-08
7893	470519.07	3819594.69	1.77E-07	6.87E-07	9.10E-09	8.73E-07	1.48E-07	5.05E-07	6.53E-09	6.59E-07	1.67E-08	8.84E-08	1.55E-09	1.07E-07	1.52E-08	4.63E-08	4.70E-10	6.20E-08
7894	470515.31	3819603.52	1.75E-07	6.77E-07	8.97E-09	8.61E-07	1.45E-07	4.98E-07	6.44E-09	6.50E-07	1.65E-08	8.72E-08	1.53E-09	1.05E-07	1.50E-08	4.57E-08	4.63E-10	6.11E-08
7895	470511.55	3819612.35	1.72E-07	6.67E-07	8.84E-09	8.48E-07	1.43E-07	4.90E-07	6.35E-09	6.40E-07	1.62E-08	8.59E-08	1.51E-09	1.04E-07	1.48E-08	4.50E-08	4.56E-10	6.02E-08
7896	470507.79	3819621.18	1.69E-07	6.57E-07	8.71E-09	8.35E-07	1.41E-07	4.83E-07	6.25E-09	6.30E-07	1.60E-08	8.46E-08	1.48E-09	1.02E-07	1.45E-08	4.43E-08	4.49E-10	5.93E-08
7897	470504.03	3819630.01	1.67E-07	6.47E-07	8.57E-09	8.22E-07	1.39E-07	4.75E-07	6.15E-09	6.20E-07	1.57E-08	8.33E-08	1.46E-09	1.00E-07	1.43E-08	4.36E-08	4.42E-10	5.84E-08
7898	470500.26	3819638.84	1.64E-07	6.36E-07	8.43E-09	8.09E-07	1.37E-07	4.68E-07	6.05E-09	6.10E-07	1.55E-08	8.19E-08	1.44E-09	9.88E-08	1.41E-08	4.29E-08	4.35E-10	5.74E-08
7899	470496.5	3819647.67	1.61E-07	6.26E-07	8.29E-09	7.95E-07	1.34E-07	4.60E-07	5.95E-09	6.00E-07	1.52E-08	8.06E-08	1.41E-09	9.72E-08	1.39E-08	4.22E-08	4.28E-10	5.65E-08
7900	470492.74	3819656.5	1.59E-07	6.15E-07	8.15E-09	7.82E-07	1.32E-07	4.52E-07	5.85E-09	5.90E-07	1.50E-08	7.92E-08	1.39E-09	9.55E-08	1.36E-08	4.14E-08	4.20E-10	5.55E-08
7901	470480.07	3819668.9	1.59E-07	6.15E-07	8.14E-09	7.81E-07	1.32E-07	4.52E-07	5.85E-09	5.90E-07	1.50E-08	7.91E-08	1.39E-09	9.55E-08	1.36E-08	4.14E-08	4.20E-10	5.55E-08
7902	470471.16	3819672.46	1.61E-07	6.26E-07	8.29E-09	7.95E-07	1.34E-07	4.60E-07	5.95E-09	6.00E-07	1.52E-08	8.05E-08	1.41E-09	9.72E-08	1.38E-08	4.22E-08	4.28E-10	5.64E-08
7903	470462.24	3819676.02	1.64E-07	6.37E-07	8.44E-09	8.10E-07	1.37E-07	4.68E-07	6.06E-09	6.11E-07	1.55E-08	8.20E-08	1.44E-09	9.89E-08	1.41E-08	4.29E-08	4.35E-10	5.75E-08
7904	470453.33	3819679.58	1.67E-07	6.49E-07	8.59E-09	8.25E-07	1.39E-07	4.77E-07	6.17E-09	6.22E-07	1.58E-08	8.35E-08	1.47E-09	1.01E-07	1.44E-08	4.37E-08	4.43E-10	5.85E-08
7905	470444.42	3819683.14	1.70E-07	6.61E-07	8.76E-09	8.40E-07	1.42E-07	4.86E-07	6.28E-09	6.34E-07	1.61E-08	8.51E-08	1.49E-09	1.03E-07	1.46E-08	4.45E-08	4.52E-10	5.96E-08
7906	470435.51	3819686.7	1.74E-07	6.73E-07	8.92E-09	8.56E-07	1.45E-07	4.95E-07	6.40E-09	6.46E-07	1.64E-08	8.67E-08	1.52E-09	1.05E-07	1.49E-08	4.54E-08	4.60E-10	6.08E-08
7907	470426.59	3819690.26	1.77E-07	6.86E-07	9.09E-09	8.72E-07	1.47E-07	5.04E-07	6.52E-09	6.58E-07	1.67E-08	8.83E-08	1.55E-09	1.07E-07	1.52E-08	4.62E-08	4.69E-10	6.19E-08
7908	470417.68	3819693.82	1.80E-07	6.99E-07	9.26E-09	8.89E-07	1.50E-07	5.14E-07	6.65E-09	6.71E-07	1.70E-08	9.00E-08	1.58E-09	1.09E-07	1.55E-08	4.71E-08	4.78E-10	6.31E-08
7909	470408.77	3819697.38	1.84E-07	7.13E-07	9.44E-09	9.06E-07	1.53E-07	5.24E-07	6.78E-09	6.84E-07	1.74E-08	9.17E-08	1.61E-09	1.11E-07	1.58E-08	4.80E-08	4.87E-10	6.43E-08
7910	470399.85	3819700.95	1.87E-07	7.27E-07	9.63E-09	9.24E-07	1.56E-07	5.34E-07	6.91E-09	6.97E-07	1.77E-08	9.36E-08	1.64E-09	1.13E-07	1.61E-08	4.90E-08	4.97E-10	6.56E-08
7911	470390.94	3819704.51	1.91E-07	7.41E-07	9.82E-09	9.42E-07	1.59E-07	5.45E-07	7.05E-09	7.11E-07	1.80E-08	9.54E-08	1.67E-09	1.15E-07	1.64E-08	5.00E-08	5.07E-10	6.69E-08
7912	470382.03	3819708.07	1.95E-07	7.56E-07	1.00E-08	9.61E-07	1.62E-07	5.56E-07	7.19E-09	7.25E-07	1.84E-08	9.73E-08	1.71E-09	1.17E-07	1.67E-08	5.10E-08	5.17E-10	6.82E-08
7913	470373.12	3819711.63	1.99E-07	7.71E-07	1.02E-08	9.80E-07	1.66E-07	5.67E-07	7.33E-09	7.40E-07	1.88E-08	9.93E-08	1.74E-09	1.20E-07	1.71E-08	5.20E-08	5.27E-10	6.96E-08
7914	470364.2	3819715.19	2.03E-07	7.86E-07	1.04E-08	1.00E-06	1.69E-07	5.78E-07	7.48E-09	7.54E-07	1.91E-08	1.01E-07	1.78E-09	1.22E-07	1.74E-08	5.30E-08	5.38E-10	7.10E-08
7915	470355.29	3819718.75	2.07E-07	8.02E-07	1.06E-08	1.02E-06	1.72E-07	5.89E-07	7.63E-09	7.69E-07	1.95E-08	1.03E-07	1.81E-09	1.25E-07	1.77E-08	5.41E-08	5.48E-10	7.23E-08
7916	470346.38	3819722.31	2.11E-07	8.17E-07	1.08E-08	1.04E-06	1.76E-07	6.01E-07	7.77E-09	7.84E-07	1.99E-08	1.05E-07	1.85E-09	1.27E-07	1.81E-08	5.51E-08	5.59E-10	7.37E-08
7917	470337.46	3819725.87	2.15E-07	8.33E-07	1.10E-08	1.06E-06	1.79E-07	6.12E-07	7.92E-09	7.98E-07	2.03E-08	1.07E-07	1.88E-09	1.29E-07	1.84E-08	5.61E-08	5.69E-10	7.51E-08
7918	470328.55	3819729.43	2.18E-07	8.47E-07	1.12E-08	1.08E-06	1.82E-07	6.23E-07	8.06E-09	8.13E-07	2.06E-08	1.09E-07	1.91E-09	1.32E-07	1.88E-08	5.71E-08	5.79E-10	7.65E-08
7919	470319.64	3819733	2.22E-07	8.62E-07	1.14E-08	1.10E-06	1.85E-07	6.33E-07	8.20E-09	8.27E-07	2.10E-08	1.11E-07	1.95E-09	1.34E-07	1.91E-08	5.81E-08	5.89E-10	7.78E-08
7920	470310.73	3819736.56	2.26E-07	8.76E-07	1.16E-08	1.11E-06	1.88E-07	6.44E-07	8.33E-09	8.40E-07	2.13E-08	1.13E-07	1.98E-09	1.36E-07	1.94E-08	5.91E-08	5.99E-10	7.91E-08
7921	470301.81	3819740.12	2.29E-07	8.90E-07	1.18E-08	1.13E-06	1.91E-07	6.54E-07	8.46E-09	8.53E-07	2.17E-08	1.15E-07	2.01E-09	1.38E-07	1.97E-08	6.00E-08	6.08E-10	8.03E-08
7922	470580.4	3819318.33	1.70E-07	6.60E-07	8.74E-09	8.38E-07	1.42E-07	4.85E-07	6.27E-09	6.33E-07	1.61E-08	8.49E-08	1.49E-09	1.02E-07	1.46E-08	4.45E-08	4.51E-10	5.95E-08
7923	470580.48	3819308.68	1.65E-07	6.42E-07	8.50E-09	8.16E-07	1.38E-07	4.72E-07	6.10E-09	6.15E-07	1.56E-08	8.26E-08	1.45E-09	9.97E-08	1.42E-08	4.33E-08	4.39E-10	5.79E-08
7924	470580.56	3819299.03	1.61E-07	6.22E-07	8.25E-09	7.91E-07	1.34E-07	4.57E-07	5.92E-09	5.97E-07	1.52E-08	8.01E-08	1.41E-09	9.67E-08	1.38E-08	4.20E-08	4.25E-10	5.62E-08
7925	470580.65	3819289.38	1.55E-07	6.02E-07	7.98E-09	7.65E-07	1.29E-07	4.42E-07	5.73E-09	5.77E-07	1.47E-08	7.75E-08	1.36E-09	9.35E-08	1.33E-08	4.06E-08	4.12E-10	5.43E-08
7926	470580.73	3819279.73	1.50E-07	5.81E-07	7.70E-09	7.38E-07	1.25E-07	4.27E-07	5.52E-09	5.57E-07	1.41E-08	7.48E-08	1.31E-09	9.02E-08	1.29E-08	3.92E-08	3.97E-10	5.24E-08
7927	470580.81	3819270.09	1.44E-07	5.59E-07	7.40E-09	7.10E-07	1.20E-07	4.11E-07	5.31E-09	5.36E-07	1.36E-08	7.19E-08	1.26E-09	8.68E-08	1.24E-08	3.77E-08	3.82E-10	5.04E-08
7928	470580.89	3819260.44	1.38E-07	5.36E-07	7.11E-09	6.82E-07	1.15E-07	3.94E-07	5.10E-09	5.14E-07	1.31E-08	6.90E-08	1.21E-09	8.33E-08	1.19E-08	3.62E-08	3.67E-10	4.84E-08
7929	470580.98	3819250.79	1.32E-07	5.13E-07	6.80E-09	6.53E-07	1.10E-07	3.77E-07	4.88E-09	4.92E-07	1.25E-08	6.61E-08	1.16E-09	7.98E-08	1.14E-08	3.46E-08	3.51E-10	4.63E-08
7930	470581.06	3819241.14	1.26E-07	4.90E-07	6.50E-09	6.23E-07	1.05E-07	3.60E-07	4.66E-09	4.70E-07	1.19E-08	6.31E-08	1.11E-09	7.62E-08	1.09E-08	3.31E-08	3.35E-10	4.42E-08
7931	470557.13	3819599.57	1.51E-07	5.86E-07	7.76E-09	7.45E-07	1.26E-07	4.31E-07	5.57E-09	5.62E-07	1.43E-08	7.54E-08	1.32E-09	9.10E-08	1.30E-08	3.95E-08	4.01E-10	5.29E-08
7932	470553.48	3819608.15	1.49E-07	5.80E-07	7.68E-09	7.37E-07	1.24E-07	4.26E-07	5.51E-09	5.56E-07	1.41E-08	7.46E-08	1.31E-09	9.00E-08	1.28E-08	3.91E-08	3.96E-10	5.23E-08
7933	470549.83	3819616.73	1.48E-07	5.73E-07	7.59E-09	7.28E-07	1.23E-07	4.21E-07	5.45E-09	5.49E-07	1.39E-08	7.37E-08	1.29E-09	8.90E-08	1.27E-08	3.86E-08	3.91E-10	5.17E-08
7934	470546.17	3819625.31	1.46E-07	5.66E-07	7.49E-09	7.19E-07	1.22E-07	4.16E-07	5.38E-09	5.43E-07	1.38E-08	7.28E-08	1.28E-09	8.79E-08	1.25E-08	3.81E-08	3.87E-10	5.10E-08
7935	470542.52	3819633.89	1.44E-07	5.59E-07	7.40E-09	7.10E-07	1.20E-07	4.10E-07	5.31E-09	5.36E-07	1.36E-08	7.19E-08	1.26E-09	8.68E-08	1.24E-08	3.76E-08	3.82E-10	5.04E-08
7936	470538.87	3819642.47	1.42E-07	5.51E-07	7.30E-09	7.00E-07	1.18E-07	4.05E-07	5.24E-09	5.29E-07	1.34E-08	7.09E-08	1.25E-09	8.56E-08	1.22E-08	3.71E-08	3.77E-10	4.97E-08
7937	470535.21	3819651.04	1.40E-07	5.43E-07	7.20E-09	6.91E-07	1.17E-07	3.99E-07	5.17E-09	5.21E-07	1.32E-08	7.00E-08	1.23E-09	8.44E-08	1.20E-08	3.66E-08	3.71E-10	4.90E-08
7938	470531.56	3819659.62	1.38E-07	5.36E-07	7.10E-09	6.81E-07	1.15E-07	3.94E-07	5.09E-09	5.14E-07	1.30E-08	6.89E-08	1.21E-09	8.32E-08	1.19E-08	3.61E-08	3.66E-10	4.83E-08
7939	470527.91	3819668.2	1.36E-07	5.28E-07	6.99E-09	6.71E-07	1.13E-07	3.88E-07	5.02E-09	5.06E-07	1.28E-08	6.79E-08	1.19E-09	8.20E-08	1.17E-08	3.56E-08	3.61E-10	4.76E-08
7940	470524.25	3819676.78	1.34E-07	5.20E-07	6.88E-09	6.61E-07	1.12E-07	3.82E-07	4.94E-09	4.98E-07	1.27E-08	6.69E-08	1.17E-09	8.07E-08	1.15E-08	3.50E-08	3.55E-10	4.69E-08
7941	470520.6	3819685.36	1.32E-07	5.12E-07	6.78E-09	6.51E-07	1.10E-07	3.76E-07	4.87E-09	4.91E-07	1.25E-08	6.59E-08	1.16E-09	7.95E-08	1.13E-08	3.45E-08	3.50E-10	4.62E-08
7942	470508.29	3819697.39	1.32E-07	5.12E-07	6.78E-09	6.51E-07	1.10E-07	3.76E-07	4.87E-09	4.91E-07	1.25E-08	6.59E-08	1.16E-09	7.95E-08	1.13E-08	3.45E-08	3.50E-10	4.62E-08
7943	470499.63	3819700.85	1.34E-07	5.20E-07	6.89E-09	6.61E-07	1.12E-07	3.82E-07	4.95E-09	4.99E-07	1.27E-08	6.69E-08	1.18E-09	8.08E-08	1.15E-08	3.51E-08	3.55E-10	4.69E-08
7944	470490.97	3819704.31	1.36E-07	5.28E-07	7.00E-09	6.71E-07	1.13E-07	3.88E-07	5.02E-09	5.07E-07	1.29E-08	6.80E-08	1.19E-09	8.21E-08	1.17E-08	3.56E-08	3.61E-10	4.77E-08
7945	470482.31	3819707.77	1.38E-07	5.37E-07	7.11E-09	6.82E-07	1.15E-07	3.94E-07	5.10E-09	5.15E-07	1.31E-08	6.91E-08	1.21E-09	8.34E-08	1.19E-08	3.62E-08	3.67E-10	4.84E-08
7946	470473.66	3819711.23	1.41E-07	5.45E-07	7.22E-09	6.93E-07	1.17E-07	4.01E-07	5.19E-09	5.23E-07	1.33E-08	7.02E-08	1.23E-09	8.47E-08	1.21E-08	3.68E-08	3.73E-10	4.92E-08
7947	470465	3819714.69	1.43E-07	5.54E-07	7.34E-09	7.05E-07	1.19E-07	4.07E-07	5.27E-09	5.32E-07	1.35E-08	7.14E-08	1.25E-09	8.61E-08	1.23E-08	3.74E-08	3.79E-10	5.00E-08
7948	470456.34	3819718.15	1.45E-07	5.64E-07	7.47E-09	7.17E-07	1.21E-07	4.14E-07	5.36E-09	5.41E-07	1.37E-08	7.26E-08	1.27E-09	8.76E-08	1.25E-08	3.80E-08	3.85E-10	5.09E-08
7949	470447.68	3819721.61	1.48E-07	5.74E-07	7.60E-09	7.29E-07	1.23E-07	4.21E-07	5.45E-09	5.50E-07	1.40E-08	7.38E-08	1.30E-09	8.91E-08	1.27E-08	3.87E-08	3.92E-10	5.17E-08
7950	470439.02	3819725.07	1.50E-07	5.83E-07	7.73E-09	7.42E-07	1.25E-07	4.29E-07	5.55E-09	5.60E-07	1.42E-08	7.51E-08	1.32E-09	9.06E-08	1.29E-08	3.93E-08	3.99E-10	5.26E-08
7951	470430.36	3819728.53	1.53E-07	5.94E-07	7.86E-09	7.55E-07	1.27E-07	4.36E-07	5.65E-09	5.69E-07	1.45E-08	7.64E-08	1.34E-09	9.22E-08	1.31E-08	4.00E-08	4.06E-10	5.36E-08
7952	470421.71	3819731.99	1.56E-07	6.04E-07	8.00E-09	7.68E-07	1.30E-07	4.44E-07	5.75E-09	5.79E-07	1.47E-08	7.78E-08	1.37E-09	9.39E-08	1.34E-08	4.07E-08	4.13E-10	5.45E-08
7953	470413.05	3819735.45	1.59E-07	6.15E-07	8.15E-09	7.82E-07	1.32E-07	4.52E-07	5.85E-09	5.90E-07	1.50E-08	7.92E-08	1.39E-09	9.55E-08	1.36E-08	4.15E-08	4.20E-10	5.55E-08
7954	470404.39	3819738.91	1.61E-07	6.26E-07	8.30E-09	7.96E-07	1.35E-07	4.60E-07	5.96E-09	6.01E-07	1.52E-08	8.06E-08	1.42E-09	9.73E-08	1.39E-08	4.22E-08	4.28E-10	5.65E-08
7955	470395.73	3819742.37	1.64E-07	6.38E-07	8.45E-09	8.11E-07	1.37E-07	4.69E-07	6.06E-09	6.12E-07	1.55E-08	8.21E-08	1.44E-09	9.91E-08	1.41E-08	4.30E-08	4.36E-10	5.75E-08
7956	470387.07	3819745.83	1.67E-07	6.49E-07	8.60E-09	8.26E-07	1.39E-07	4.77E-07	6.18E-09	6.23E-07	1.58E-08	8.36E-08	1.47E-09	1.01E-07	1.44E-08	4.38E-08	4.44E-10	5.86E-08
7957	470378.42	3819749.28	1.71E-07	6.61E-07	8.76E-09	8.41E-07	1.42E-07	4.86E-07	6.29E-09	6.34E-07	1.61E-08	8.51E-08	1.49E-09	1.03E-07	1.46E-08	4.46E-08	4.52E-10	5.97E-08
7958	470369.76	3819752.74	1.74E-07	6.73E-07	8.92E-09	8.56E-07	1.45E-07	4.95E-07	6.40E-09	6.46E-07	1.64E-08	8.67E-08	1.52E-09	1.05E-07	1.49E-08	4.54E-08	4.60E-10	6.07E-08
7959	470361.1	3819756.2	1.77E-07	6.85E-07	9.08E-09	8.71E-07	1.47E-07	5.03E-07	6.51E-09	6.57E-07	1.67E-08	8.82E-08	1.55E-09	1.06E-07	1.52E-08	4.62E-08	4.68E-10	6.18E-08
7960	470352.44	3819759.66	1.80E-07	6.97E-07	9.23E-09	8.86E-07	1.50E-07	5.12E-07	6.63E-09	6.68E-07	1.70E-08	8.97E-08	1.57E-09	1.08E-07	1.54E-08	4.70E-08	4.76E-10	6.29E-08
7961	470343.78	3819763.12	1.83E-07	7.09E-07	9.39E-09	9.01E-07	1.52E-07	5.21E-07	6.74E-09	6.80E-07	1.73E-08	9.12E-08	1.60E-09	1.10E-07	1.57E-08	4.78E-08	4.84E-10	6.39E-08
7962	470335.12	3819766.58	1.86E-07	7.20E-07	9.54E-09	9.16E-07	1.55E-07	5.29E-07	6.85E-09	6.91E-07	1.75E-08	9.27E-08	1.63E-09	1.12E-07	1.59E-08	4.86E-08	4.92E-10	6.50E-08
7963	470326.47	3819770.04	1.89E-07	7.32E-07	9.69E-09	9.30E-07	1.57E-07	5.38E-07	6.96E-09	7.02E-07	1.78E-08	9.42E-08	1.65E-09	1.14E-07	1.62E-08	4.93E-08	5.00E-10	6.60E-08
7964	470317.81	3819773.5	1.91E-07	7.42E-07	9.83E-09	9.43E-07	1.59E-07	5.45E-07	7.06E-09	7.12E-07	1.81E-08	9.55E-08	1.68E-09	1.15E-07	1.64E-08	5.00E-08	5.07E-10	6

7965	470309.15	3819776.96	1.94E-07	7.52E-07	9.96E-09	9.56E-07	1.61E-07	5.52E-07	7.15E-09	7.21E-07	1.83E-08	9.68E-08	1.70E-09	1.17E-07	1.66E-08	5.07E-08	5.14E-10	6.78E-08
7966	470300.49	3819780.42	1.96E-07	7.61E-07	1.01E-08	9.67E-07	1.63E-07	5.59E-07	7.23E-09	7.30E-07	1.85E-08	9.79E-08	1.72E-09	1.18E-07	1.68E-08	5.13E-08	5.20E-10	6.86E-08
7967	470619.24	3819453.75	1.55E-07	6.01E-07	7.96E-09	7.64E-07	1.29E-07	4.42E-07	5.71E-09	5.76E-07	1.46E-08	7.74E-08	1.36E-09	9.34E-08	1.33E-08	4.05E-08	4.11E-10	5.42E-08
7968	470619.32	3819444.1	1.56E-07	6.05E-07	8.01E-09	7.69E-07	1.30E-07	4.44E-07	5.75E-09	5.80E-07	1.47E-08	7.78E-08	1.37E-09	9.39E-08	1.34E-08	4.08E-08	4.13E-10	5.46E-08
7969	470619.4	3819434.45	1.57E-07	6.07E-07	8.04E-09	7.72E-07	1.30E-07	4.46E-07	5.77E-09	5.82E-07	1.48E-08	7.82E-08	1.37E-09	9.43E-08	1.34E-08	4.09E-08	4.15E-10	5.48E-08
7970	470619.49	3819424.8	1.57E-07	6.09E-07	8.06E-09	7.74E-07	1.31E-07	4.47E-07	5.79E-09	5.84E-07	1.48E-08	7.84E-08	1.38E-09	9.45E-08	1.35E-08	4.10E-08	4.16E-10	5.49E-08
7971	470619.57	3819415.15	1.57E-07	6.09E-07	8.07E-09	7.74E-07	1.31E-07	4.47E-07	5.79E-09	5.84E-07	1.48E-08	7.84E-08	1.38E-09	9.46E-08	1.35E-08	4.10E-08	4.16E-10	5.49E-08
7972	470619.65	3819405.5	1.57E-07	6.08E-07	8.05E-09	7.73E-07	1.31E-07	4.47E-07	5.78E-09	5.83E-07	1.48E-08	7.82E-08	1.37E-09	9.44E-08	1.35E-08	4.10E-08	4.15E-10	5.48E-08
7973	470619.73	3819395.86	1.56E-07	6.05E-07	8.02E-09	7.70E-07	1.30E-07	4.45E-07	5.76E-09	5.81E-07	1.47E-08	7.79E-08	1.37E-09	9.41E-08	1.34E-08	4.08E-08	4.14E-10	5.46E-08
7974	470619.82	3819386.21	1.55E-07	6.02E-07	7.97E-09	7.65E-07	1.29E-07	4.42E-07	5.72E-09	5.77E-07	1.47E-08	7.75E-08	1.36E-09	9.35E-08	1.33E-08	4.06E-08	4.11E-10	5.43E-08
7975	470619.9	3819376.56	1.54E-07	5.97E-07	7.91E-09	7.59E-07	1.28E-07	4.39E-07	5.68E-09	5.72E-07	1.45E-08	7.68E-08	1.35E-09	9.27E-08	1.32E-08	4.02E-08	4.08E-10	5.38E-08
7976	470619.98	3819366.91	1.52E-07	5.91E-07	7.82E-09	7.51E-07	1.27E-07	4.34E-07	5.62E-09	5.66E-07	1.44E-08	7.60E-08	1.33E-09	9.17E-08	1.31E-08	3.98E-08	4.04E-10	5.33E-08
7977	470620.06	3819357.26	1.50E-07	5.83E-07	7.72E-09	7.41E-07	1.25E-07	4.28E-07	5.54E-09	5.59E-07	1.42E-08	7.50E-08	1.32E-09	9.05E-08	1.29E-08	3.93E-08	3.98E-10	5.26E-08
7978	470620.15	3819347.62	1.48E-07	5.74E-07	7.60E-09	7.30E-07	1.23E-07	4.22E-07	5.46E-09	5.50E-07	1.40E-08	7.39E-08	1.30E-09	8.92E-08	1.27E-08	3.87E-08	3.92E-10	5.18E-08
7979	470620.23	3819337.97	1.45E-07	5.64E-07	7.47E-09	7.17E-07	1.21E-07	4.14E-07	5.36E-09	5.41E-07	1.37E-08	7.26E-08	1.27E-09	8.76E-08	1.25E-08	3.80E-08	3.85E-10	5.09E-08
7980	470620.31	3819328.32	1.42E-07	5.52E-07	7.32E-09	7.02E-07	1.19E-07	4.06E-07	5.25E-09	5.30E-07	1.35E-08	7.11E-08	1.25E-09	8.58E-08	1.22E-08	3.72E-08	3.78E-10	4.98E-08
7981	470655.55	3819462.75	1.31E-07	5.08E-07	6.73E-09	6.46E-07	1.09E-07	3.73E-07	4.83E-09	4.87E-07	1.24E-08	6.54E-08	1.15E-09	7.89E-08	1.12E-08	3.42E-08	3.47E-10	4.58E-08
7982	470651.86	3819471.41	1.32E-07	5.13E-07	6.79E-09	6.52E-07	1.10E-07	3.77E-07	4.87E-09	4.92E-07	1.25E-08	6.60E-08	1.16E-09	7.96E-08	1.13E-08	3.45E-08	3.50E-10	4.62E-08
7983	470648.17	3819480.07	1.33E-07	5.17E-07	6.84E-09	6.57E-07	1.11E-07	3.80E-07	4.91E-09	4.95E-07	1.26E-08	6.65E-08	1.17E-09	8.02E-08	1.14E-08	3.48E-08	3.53E-10	4.66E-08
7984	470644.48	3819488.73	1.34E-07	5.20E-07	6.89E-09	6.61E-07	1.12E-07	3.82E-07	4.94E-09	4.98E-07	1.27E-08	6.69E-08	1.17E-09	8.07E-08	1.15E-08	3.50E-08	3.55E-10	4.69E-08
7985	470640.8	3819497.39	1.35E-07	5.22E-07	6.92E-09	6.64E-07	1.12E-07	3.84E-07	4.97E-09	5.01E-07	1.27E-08	6.72E-08	1.18E-09	8.11E-08	1.16E-08	3.52E-08	3.57E-10	4.71E-08
7986	470637.11	3819506.05	1.35E-07	5.24E-07	6.94E-09	6.66E-07	1.13E-07	3.85E-07	4.98E-09	5.03E-07	1.28E-08	6.75E-08	1.18E-09	8.14E-08	1.16E-08	3.53E-08	3.58E-10	4.73E-08
7987	470633.42	3819514.71	1.35E-07	5.25E-07	6.96E-09	6.68E-07	1.13E-07	3.86E-07	5.00E-09	5.04E-07	1.28E-08	6.76E-08	1.19E-09	8.16E-08	1.16E-08	3.54E-08	3.59E-10	4.74E-08
7988	470567.04	3819670.58	1.20E-07	4.64E-07	6.15E-09	5.90E-07	9.97E-08	3.41E-07	4.41E-09	4.45E-07	1.13E-08	5.97E-08	1.05E-09	7.21E-08	1.03E-08	3.13E-08	3.17E-10	4.19E-08
7989	470563.35	3819679.24	1.18E-07	4.58E-07	6.07E-09	5.82E-07	9.84E-08	3.37E-07	4.35E-09	4.39E-07	1.12E-08	5.90E-08	1.03E-09	7.11E-08	1.01E-08	3.09E-08	3.13E-10	4.13E-08
7990	470559.66	3819687.9	1.17E-07	4.52E-07	5.99E-09	5.75E-07	9.71E-08	3.32E-07	4.30E-09	4.33E-07	1.10E-08	5.82E-08	1.02E-09	7.02E-08	1.00E-08	3.05E-08	3.09E-10	4.08E-08
7991	470555.98	3819696.56	1.15E-07	4.46E-07	5.91E-09	5.67E-07	9.58E-08	3.28E-07	4.24E-09	4.28E-07	1.09E-08	5.74E-08	1.01E-09	6.93E-08	9.87E-09	3.01E-08	3.05E-10	4.02E-08
7992	470552.29	3819705.22	1.13E-07	4.40E-07	5.83E-09	5.59E-07	9.45E-08	3.23E-07	4.18E-09	4.22E-07	1.07E-08	5.66E-08	9.94E-10	6.83E-08	9.74E-09	2.96E-08	3.01E-10	3.97E-08
7993	470548.6	3819713.88	1.12E-07	4.34E-07	5.75E-09	5.51E-07	9.32E-08	3.19E-07	4.13E-09	4.16E-07	1.06E-08	5.58E-08	9.80E-10	6.74E-08	9.60E-09	2.92E-08	2.97E-10	3.91E-08
7994	470536.17	3819726.03	1.12E-07	4.34E-07	5.75E-09	5.52E-07	9.32E-08	3.19E-07	4.13E-09	4.16E-07	1.06E-08	5.59E-08	9.80E-10	6.74E-08	9.61E-09	2.92E-08	2.97E-10	3.92E-08
7995	470527.43	3819729.52	1.14E-07	4.40E-07	5.83E-09	5.60E-07	9.45E-08	3.23E-07	4.19E-09	4.22E-07	1.07E-08	5.67E-08	9.95E-10	6.84E-08	9.74E-09	2.97E-08	3.01E-10	3.97E-08
7996	470518.69	3819733.01	1.15E-07	4.47E-07	5.92E-09	5.68E-07	9.59E-08	3.28E-07	4.25E-09	4.28E-07	1.09E-08	5.75E-08	1.01E-09	6.94E-08	9.88E-09	3.01E-08	3.05E-10	4.03E-08
7997	470509.95	3819736.5	1.17E-07	4.53E-07	6.00E-09	5.76E-07	9.73E-08	3.33E-07	4.31E-09	4.35E-07	1.10E-08	5.83E-08	1.02E-09	7.04E-08	1.00E-08	3.05E-08	3.10E-10	4.09E-08
7998	470501.21	3819740	1.19E-07	4.60E-07	6.09E-09	5.84E-07	9.87E-08	3.38E-07	4.37E-09	4.41E-07	1.12E-08	5.92E-08	1.04E-09	7.14E-08	1.02E-08	3.10E-08	3.14E-10	4.15E-08
7999	470492.47	3819743.49	1.20E-07	4.67E-07	6.19E-09	5.93E-07	1.00E-07	3.43E-07	4.44E-09	4.48E-07	1.14E-08	6.01E-08	1.05E-09	7.25E-08	1.03E-08	3.15E-08	3.19E-10	4.21E-08
8000	470483.73	3819746.98	1.22E-07	4.74E-07	6.28E-09	6.03E-07	1.02E-07	3.48E-07	4.51E-09	4.55E-07	1.15E-08	6.10E-08	1.07E-09	7.37E-08	1.05E-08	3.20E-08	3.24E-10	4.28E-08
8001	470474.99	3819750.47	1.24E-07	4.82E-07	6.38E-09	6.12E-07	1.03E-07	3.54E-07	4.58E-09	4.62E-07	1.17E-08	6.20E-08	1.09E-09	7.48E-08	1.07E-08	3.25E-08	3.29E-10	4.35E-08
8002	470466.25	3819753.97	1.26E-07	4.89E-07	6.48E-09	6.22E-07	1.05E-07	3.60E-07	4.65E-09	4.69E-07	1.19E-08	6.30E-08	1.11E-09	7.60E-08	1.08E-08	3.30E-08	3.35E-10	4.42E-08
8003	470457.51	3819757.46	1.28E-07	4.97E-07	6.59E-09	6.32E-07	1.07E-07	3.65E-07	4.73E-09	4.77E-07	1.21E-08	6.40E-08	1.12E-09	7.73E-08	1.10E-08	3.35E-08	3.40E-10	4.49E-08
8004	470448.77	3819760.95	1.30E-07	5.06E-07	6.70E-09	6.43E-07	1.09E-07	3.71E-07	4.81E-09	4.85E-07	1.23E-08	6.51E-08	1.14E-09	7.85E-08	1.12E-08	3.41E-08	3.46E-10	4.56E-08
8005	470440.03	3819764.44	1.33E-07	5.14E-07	6.81E-09	6.53E-07	1.10E-07	3.78E-07	4.89E-09	4.93E-07	1.25E-08	6.62E-08	1.16E-09	7.99E-08	1.14E-08	3.47E-08	3.51E-10	4.64E-08
8006	470431.29	3819767.93	1.35E-07	5.23E-07	6.93E-09	6.65E-07	1.12E-07	3.84E-07	4.97E-09	5.02E-07	1.27E-08	6.73E-08	1.18E-09	8.12E-08	1.16E-08	3.52E-08	3.57E-10	4.72E-08
8007	470422.55	3819771.43	1.37E-07	5.32E-07	7.05E-09	6.76E-07	1.14E-07	3.91E-07	5.06E-09	5.10E-07	1.30E-08	6.85E-08	1.20E-09	8.26E-08	1.18E-08	3.59E-08	3.64E-10	4.80E-08
8008	470413.81	3819774.92	1.40E-07	5.41E-07	7.17E-09	6.88E-07	1.16E-07	3.98E-07	5.15E-09	5.19E-07	1.32E-08	6.97E-08	1.22E-09	8.41E-08	1.20E-08	3.65E-08	3.70E-10	4.88E-08
8009	470405.07	3819778.41	1.42E-07	5.51E-07	7.30E-09	7.00E-07	1.18E-07	4.05E-07	5.24E-09	5.28E-07	1.34E-08	7.09E-08	1.24E-09	8.56E-08	1.22E-08	3.71E-08	3.77E-10	4.97E-08
8010	470396.33	3819781.9	1.45E-07	5.61E-07	7.43E-09	7.12E-07	1.20E-07	4.12E-07	5.33E-09	5.38E-07	1.36E-08	7.22E-08	1.27E-09	8.71E-08	1.24E-08	3.78E-08	3.83E-10	5.06E-08
8011	470387.59	3819785.39	1.47E-07	5.70E-07	7.55E-09	7.25E-07	1.22E-07	4.19E-07	5.42E-09	5.47E-07	1.39E-08	7.34E-08	1.29E-09	8.86E-08	1.26E-08	3.84E-08	3.90E-10	5.14E-08
8012	470378.84	3819788.89	1.50E-07	5.80E-07	7.68E-09	7.37E-07	1.25E-07	4.26E-07	5.52E-09	5.56E-07	1.41E-08	7.47E-08	1.31E-09	9.01E-08	1.28E-08	3.91E-08	3.96E-10	5.23E-08
8013	470370.1	3819792.38	1.52E-07	5.90E-07	7.82E-09	7.50E-07	1.27E-07	4.34E-07	5.61E-09	5.66E-07	1.44E-08	7.60E-08	1.33E-09	9.17E-08	1.31E-08	3.98E-08	4.03E-10	5.32E-08
8014	470361.36	3819795.87	1.55E-07	6.00E-07	7.95E-09	7.63E-07	1.29E-07	4.41E-07	5.70E-09	5.75E-07	1.46E-08	7.72E-08	1.36E-09	9.32E-08	1.33E-08	4.04E-08	4.10E-10	5.41E-08
8015	470352.62	3819799.36	1.57E-07	6.10E-07	8.08E-09	7.75E-07	1.31E-07	4.48E-07	5.80E-09	5.85E-07	1.48E-08	7.85E-08	1.38E-09	9.47E-08	1.35E-08	4.11E-08	4.17E-10	5.50E-08
8016	470343.88	3819802.86	1.59E-07	6.18E-07	8.19E-09	7.86E-07	1.33E-07	4.54E-07	5.88E-09	5.93E-07	1.51E-08	7.96E-08	1.40E-09	9.61E-08	1.37E-08	4.17E-08	4.23E-10	5.58E-08
8017	470335.14	3819806.35	1.62E-07	6.27E-07	8.31E-09	7.97E-07	1.35E-07	4.61E-07	5.96E-09	6.01E-07	1.53E-08	8.07E-08	1.42E-09	9.74E-08	1.39E-08	4.23E-08	4.29E-10	5.66E-08
8018	470326.4	3819809.84	1.64E-07	6.35E-07	8.42E-09	8.07E-07	1.36E-07	4.67E-07	6.04E-09	6.09E-07	1.55E-08	8.18E-08	1.44E-09	9.87E-08	1.41E-08	4.28E-08	4.34E-10	5.73E-08
8019	470317.66	3819813.33	1.66E-07	6.43E-07	8.52E-09	8.18E-07	1.38E-07	4.73E-07	6.12E-09	6.17E-07	1.57E-08	8.28E-08	1.45E-09	9.99E-08	1.42E-08	4.34E-08	4.40E-10	5.80E-08
8020	470308.92	3819816.82	1.68E-07	6.51E-07	8.62E-09	8.27E-07	1.40E-07	4.78E-07	6.19E-09	6.24E-07	1.58E-08	8.38E-08	1.47E-09	1.01E-07	1.44E-08	4.39E-08	4.45E-10	5.87E-08
8021	470300.18	3819820.32	1.70E-07	6.58E-07	8.71E-09	8.36E-07	1.41E-07	4.83E-07	6.25E-09	6.31E-07	1.60E-08	8.47E-08	1.49E-09	1.02E-07	1.46E-08	4.43E-08	4.50E-10	5.93E-08
8022	470659.24	3819454.09	1.30E-07	5.03E-07	6.66E-09	6.39E-07	1.08E-07	3.69E-07	4.78E-09	4.82E-07	1.22E-08	6.47E-08	1.14E-09	7.81E-08	1.11E-08	3.39E-08	3.44E-10	4.53E-08
8023	470659.32	3819444.44	1.30E-07	5.05E-07	6.69E-09	6.41E-07	1.08E-07	3.71E-07	4.80E-09	4.84E-07	1.23E-08	6.50E-08	1.14E-09	7.84E-08	1.12E-08	3.40E-08	3.45E-10	4.55E-08
8024	470659.4	3819434.79	1.30E-07	5.06E-07	6.70E-09	6.43E-07	1.09E-07	3.72E-07	4.81E-09	4.85E-07	1.23E-08	6.51E-08	1.14E-09	7.86E-08	1.12E-08	3.41E-08	3.46E-10	4.56E-08
8025	470659.48	3819425.14	1.31E-07	5.06E-07	6.71E-09	6.44E-07	1.09E-07	3.72E-07	4.81E-09	4.86E-07	1.23E-08	6.52E-08	1.14E-09	7.86E-08	1.12E-08	3.41E-08	3.46E-10	4.57E-08
8026	470659.57	3819415.5	1.30E-07	5.06E-07	6.70E-09	6.43E-07	1.09E-07	3.72E-07	4.81E-09	4.85E-07	1.23E-08	6.51E-08	1.14E-09	7.86E-08	1.12E-08	3.41E-08	3.46E-10	4.56E-08
8027	470659.65	3819405.85	1.30E-07	5.04E-07	6.68E-09	6.41E-07	1.08E-07	3.71E-07	4.80E-09	4.84E-07	1.23E-08	6.49E-08	1.14E-09	7.84E-08	1.12E-08	3.40E-08	3.45E-10	4.55E-08
8028	470660.31	3819328.66	1.19E-07	4.60E-07	6.09E-09	5.84E-07	9.87E-08	3.38E-07	4.37E-09	4.41E-07	1.12E-08	5.92E-08	1.04E-09	7.14E-08	1.02E-08	3.10E-08	3.14E-10	4.15E-08
8029	470660.39	3819319.01	1.16E-07	4.50E-07	5.96E-09	5.72E-07	9.67E-08	3.31E-07	4.28E-09	4.32E-07	1.10E-08	5.79E-08	1.02E-09	6.99E-08	9.96E-09	3.03E-08	3.08E-10	4.06E-08
8030	470660.48	3819309.37	1.13E-07	4.40E-07	5.83E-09	5.59E-07	9.45E-08	3.23E-07	4.18E-09	4.22E-07	1.07E-08	5.66E-08	9.94E-10	6.83E-08	9.74E-09	2.96E-08	3.01E-10	3.97E-08
8031	470660.56	3819299.72	1.11E-07	4.29E-07	5.68E-09	5.45E-07	9.21E-08	3.15E-07	4.08E-09	4.11E-07	1.04E-08	5.52E-08	9.69E-10	6.66E-08	9.49E-09	2.89E-08	2.93E-10	3.87E-08
8032	470660.64	3819290.07	1.08E-07	4.17E-07	5.53E-09	5.30E-07	8.96E-08	3.07E-07	3.97E-09	4.00E-07	1.02E-08	5.37E-08	9.43E-10	6.48E-08	9.24E-09	2.81E-08	2.85E-10	3.76E-08
8033	470660.73	3819280.42	1.04E-07	4.05E-07	5.37E-09	5.15E-07	8.70E-08	2.98E-07	3.85E-09	3.89E-07	9.86E-09	5.21E-08	9.15E-10	6.29E-08	8.97E-09	2.73E-08	2.77E-10	3.65E-08
8034	470660.81	3819270.77	1.01E-07	3.93E-07	5.20E-09	4.99E-07	8.43E-08	2.88E-07	3.73E-09	3.76E-07	9.56E-09	5.05E-08	8.87E-10	6.10E-08	8.69E-09	2.65E-08	2.68E-10	3.54E-08
8035	470660.89	3819261.12	9.79E-08	3.80E-07	5.03E-09	4.83E-07	8.15E-08	2.79E-07	3.61E-09	3.64E-07	9.24E-09	4.89E-08	8.58E-10	5.90E-08	8.40E-09	2.56E-08	2.59E-10	3.42E-08
8036	470660.97	3819251.48	9.45E-08	3.66E-07	4.85E-09	4.66E-07	7.87E-08	2.69E-07	3.48E-09	3.51E-07	8.92E-09	4.72E-08	8.28E-10	5.69E-08	8.11E-09	2.47E-08	2.50E-10	3.31E-08
8037	470661.06	3819241.83	9.10E-08	3.53E-07	4.67E-09	4.49E-07	7.58E-08	2.59E-07	3.36E-09	3.38E-07	8.59E-09	4.54E-08	7.97E-10	5.48E-08	7.81E-09	2.38E-08	2.41E-10	3.18E-08
8038	470695.52	3819463.16	1.11E-07	4.31E-07	5.70E-09	5.47E-07	9.25E-08	3.16E-07	4.09E-09	4.13E-07	1.05E-08	5.54E-08	9.73E-10	6.69E-08	9.53E-09	2.90E-08	2.94E-10	3.88E-08
8039	470691.8	3819471.88	1.12E-07	4.35E-07	5.76E-09	5.53E-07	9.34E-08	3.19E-07	4.13E-09	4.17E-07	1.06E-08	5.60E-08	9.82E-10	6.75E-08	9.62E-09	2.93E-08	2.97E-10	3.92E-08
8040	470688.09	3819480.61	1.13E-07	4.39E-07	5.81E-09	5.57E-07	9.42E-08	3.22E-07	4.17E-09	4.21E-07	1.07E-08	5.64E-08	9.91E-10	6.81E-08	9.71E-09	2.96E-08	3.00E-10	3.96E-08
8041	470684.37	3819489.34	1.14E-07	4.42E-07	5.85E-09	5.61E-07	9.49E-08	3.25E-07	4.20E-09	4.24E-07	1.08E-08	5.69E-08	9.98E-10	6.86E-08	9.78E-09	2.98E-08	3.02E-10	3.99E-08
8042	470680.65	3819498.06	1.15E-07	4.44E-07	5.89E-09	5.65E-07	9.54E-08	3.27E-07	4.23E-09	4.26E-07	1.08E-08	5.72E-08	1.00E-09	6.90E-08	9.84E-09	3.00E-08	3.04E-10	4.01E-08
8043	470676.94	3819506.79	1.15E-07	4.47E-07	5.92E-09	5.68E-07	9.59E-08	3.28E-07	4.25E-09	4.28E-07	1.09E-08	5.75E-08	1.01E-09	6.94E-08	9.89E-09	3.01E-08	3.05E-10	4.03E-08
8044	470673.22	3819515.52	1.16E-07	4.48E-07	5.94E-09	5.70E-07	9.63E-08	3.29E-07	4.26E-09	4.30E-07	1.09E-08	5.77E-08	1.01E-09	6.96E-08	9.92E-09	3.02E-08	3.06E-10	4.04E-08
8045	470669.5	3819524.24	1.16E-07	4.49E-07	5.95E-09	5.71E-07	9.65E-08	3.30E-07	4.27E-09	4.31E-07	1.09E-08	5.79E-08	1.02E-09	6.98E-08	9.95E-09	3.03E-08	3.07E-10	4.05E-08
8046	470665.79	3819532.97	1.16E-07	4.50E-07	5.96E-09	5.72E-07	9.67E-08	3.31E-07	4.28E-09	4.32E-07	1.10E-08	5.79E-08	1.02E-09	6.99E-08	9.96E-09	3.03E-08	3.08E-10	4.06E-08
8047	470662.07	3819541.7	1.16E-07	4.50E-07	5.97E-09	5.72E-07	9.67E-08	3.31E-07	4.28E-09	4.32E-07	1.10E-08	5.80E-08	1.02E-09	6.99E-08	9.97E-09	3.03E-08	3.08E-10	4.06E-08
8048	470658.35	3819550.42	1.16E-07	4.50E-07	5.96E-09	5.72E-07	9.66E-08	3.31E-07	4.28E-09	4.32E-07	1.10E-08	5.79E-08	1.02E-09	6.99E-08	9.96E-09	3.03E-08	3.08E-10	4.06E-08
8049	470654.64	3819559.15	1.16E-07	4.49E-07	5.95E-09	5.71E-07	9.65E-08	3.30E-07	4.27E-09	4.31E-07	1.09E-08	5.78E-08	1.02E-09	6.98E-08	9.94E-09	3.03E-08	3.07E-10	4.05E-08
8050	470650.92	3819567.88	1.16E-07	4.48E-07	5.94E-09	5.70E-07	9.62E-08	3.29E-07	4.26E-09	4.30E-07	1.09E-08	5.77E-08	1.01E-09	6.96E-08	9.92E-09	3.02E-08	3.06E-10	4.04E-08
8051	470555.26	3819758.17	9.74E-08	3.78E-07	5.00E-09	4.80E-07	8.11E-08	2.78E-07	3.59E-09	3.62E-07	9.20E-09	4.86E-08	8.53E-10	5.87E-08	8.36E-09	2.55E-08	2.58E-10	3.41E-08
8052	470546.45	3819761.69	9.87E-08	3.83E-07	5.07E-09	4.86E-07	8.22E-08	2.81E-07	3.64E-09	3.67E-07	9.32E-09	4.93E-08	8.65E-10	5.95E-08	8.47E-09	2.58E-08	2.62E-10	3.45E-08
8053	470537.64	3819765.21	1.00E-07	3.88E-07	5.14E-09	4.93E-07	8.33E-08	2.85E-07	3.69E-09	3.72E-07	9.44E-09	4.99E-08	8.76E-10	6.03E-08	8.59E-09	2.61E-08	2.65E-10	3.50E-08
8054	470528.84	3819768.73	1.01E-07	3.93E-07	5.21E-09	5.00E-07	8.44E-08	2.89E-07	3.74E-09	3.77E-07	9.57E-09	5.06E-08	8.88E-10	6.11E-08	8.70E-09	2.65E-08	2.69E-10	3.55E-08
8055	470520.03	3819772.25	1.03E-07	3.99E-07	5.28E-09	5.07E-07	8.57E-08	2.93E-07	3.79E-09	3.82E-07	9.71E-09	5.13E-08	9.01E-10	6.20E-08	8.83E-09	2.69E-08	2.73E-10	3.60E-08
8056	470511.22	3819775.77	1.04E-07	4.05E-07	5.36E-09	5.14E-07	8.69E-08	2.97E-07	3.85E-09	3.88E-07	9.85E-09	5.21E-08	9.14E-10	6.28E-08	8.96E-09	2.73E-08	2.77E-10	3.65E-08
8057	470502.41	3819779.29	1.06E-07	4.10E-07	5.44E-09	5.22E-07	8.82E-08	3.02E-07	3.90E-09	3.94E-07	9.99E-09	5.28E-08	9.27E-10	6.38E-08	9.09E-09	2.77E-08	2.81E-10	3.70E-08
8058	470493.6	3819782.81	1.07E-07	4.17E-07	5.52E-09	5.29E-07	8.95E-08	3.06E-07	3.96E-09	3.99E-07	1.01E-08	5.36E-08	9.41E-10	6.47E-08	9.22E-09	2.81E-08	2.85E-10	3.76E-08
8059	470484.8	3819786.33	1.09E-07	4.23E-07	5.60E-09	5.37E-07	9.08E-08	3.11E-07	4.02E-09	4.05E-07	1.03E-08	5.44E-08	9.55E-10	6.57E-08	9.36E-09	2.85E-08	2.89E-10	3.81E-08
8060	470475.99	3819789.85	1.11E-07	4.29E-07	5.69E-09	5.46E-07	9.22E-08	3.15E-07	4.08E-09	4.12E-07	1.05E-08	5.53E-08	9.70E-10	6.67E-08	9.50E-09	2.89E-08	2.93E-10

8061	470467.18	3819793.37	1.12E-07	4.36E-07	5.78E-09	5.54E-07	9.36E-08	3.20E-07	4.15E-09	4.18E-07	1.06E-08	5.61E-08	9.85E-10	6.77E-08	9.65E-09	2.94E-08	2.98E-10	3.93E-08
8062	470458.37	3819796.89	1.14E-07	4.43E-07	5.87E-09	5.63E-07	9.51E-08	3.26E-07	4.21E-09	4.25E-07	1.08E-08	5.70E-08	1.00E-09	6.88E-08	9.81E-09	2.99E-08	3.03E-10	4.00E-08
8063	470449.56	3819800.41	1.16E-07	4.50E-07	5.97E-09	5.72E-07	9.67E-08	3.31E-07	4.28E-09	4.32E-07	1.10E-08	5.80E-08	1.02E-09	6.99E-08	9.97E-09	3.04E-08	3.08E-10	4.06E-08
8064	470440.76	3819803.92	1.18E-07	4.58E-07	6.07E-09	5.82E-07	9.83E-08	3.36E-07	4.35E-09	4.39E-07	1.11E-08	5.89E-08	1.03E-09	7.11E-08	1.01E-08	3.09E-08	3.13E-10	4.13E-08
8065	470431.95	3819807.44	1.20E-07	4.66E-07	6.17E-09	5.92E-07	1.00E-07	3.42E-07	4.43E-09	4.47E-07	1.13E-08	5.99E-08	1.05E-09	7.23E-08	1.03E-08	3.14E-08	3.18E-10	4.20E-08
8066	470423.14	3819810.96	1.22E-07	4.74E-07	6.27E-09	6.02E-07	1.02E-07	3.48E-07	4.50E-09	4.54E-07	1.15E-08	6.10E-08	1.07E-09	7.36E-08	1.05E-08	3.19E-08	3.24E-10	4.27E-08
8067	470414.33	3819814.48	1.24E-07	4.82E-07	6.38E-09	6.12E-07	1.03E-07	3.54E-07	4.58E-09	4.62E-07	1.17E-08	6.20E-08	1.09E-09	7.48E-08	1.07E-08	3.25E-08	3.29E-10	4.35E-08
8068	470405.52	3819818	1.26E-07	4.90E-07	6.49E-09	6.23E-07	1.05E-07	3.60E-07	4.66E-09	4.70E-07	1.19E-08	6.31E-08	1.11E-09	7.61E-08	1.08E-08	3.30E-08	3.35E-10	4.42E-08
8069	470396.72	3819821.52	1.28E-07	4.98E-07	6.60E-09	6.33E-07	1.07E-07	3.66E-07	4.74E-09	4.78E-07	1.21E-08	6.41E-08	1.13E-09	7.74E-08	1.10E-08	3.36E-08	3.41E-10	4.49E-08
8070	470387.91	3819825.04	1.31E-07	5.06E-07	6.71E-09	6.44E-07	1.09E-07	3.72E-07	4.82E-09	4.86E-07	1.23E-08	6.52E-08	1.14E-09	7.87E-08	1.12E-08	3.41E-08	3.46E-10	4.57E-08
8071	470379.1	3819828.56	1.33E-07	5.14E-07	6.81E-09	6.54E-07	1.10E-07	3.78E-07	4.89E-09	4.93E-07	1.25E-08	6.62E-08	1.16E-09	7.99E-08	1.14E-08	3.47E-08	3.52E-10	4.64E-08
8072	470370.29	3819832.08	1.35E-07	5.22E-07	6.92E-09	6.64E-07	1.12E-07	3.84E-07	4.96E-09	5.01E-07	1.27E-08	6.72E-08	1.18E-09	8.11E-08	1.16E-08	3.52E-08	3.57E-10	4.71E-08
8073	470361.48	3819835.6	1.37E-07	5.30E-07	7.02E-09	6.73E-07	1.14E-07	3.89E-07	5.04E-09	5.08E-07	1.29E-08	6.82E-08	1.20E-09	8.23E-08	1.17E-08	3.57E-08	3.62E-10	4.78E-08
8074	470352.68	3819839.12	1.38E-07	5.37E-07	7.11E-09	6.82E-07	1.15E-07	3.95E-07	5.11E-09	5.15E-07	1.31E-08	6.91E-08	1.21E-09	8.34E-08	1.19E-08	3.62E-08	3.67E-10	4.84E-08
8075	470343.87	3819842.64	1.40E-07	5.44E-07	7.21E-09	6.92E-07	1.17E-07	4.00E-07	5.17E-09	5.22E-07	1.32E-08	7.00E-08	1.23E-09	8.45E-08	1.20E-08	3.67E-08	3.72E-10	4.91E-08
8076	470335.06	3819846.15	1.42E-07	5.51E-07	7.30E-09	7.00E-07	1.18E-07	4.05E-07	5.24E-09	5.28E-07	1.34E-08	7.09E-08	1.24E-09	8.56E-08	1.22E-08	3.71E-08	3.77E-10	4.97E-08
8077	470326.25	3819849.67	1.44E-07	5.58E-07	7.39E-09	7.09E-07	1.20E-07	4.10E-07	5.30E-09	5.35E-07	1.36E-08	7.18E-08	1.26E-09	8.66E-08	1.23E-08	3.76E-08	3.81E-10	5.03E-08
8078	470317.44	3819853.19	1.45E-07	5.64E-07	7.47E-09	7.17E-07	1.21E-07	4.14E-07	5.36E-09	5.41E-07	1.37E-08	7.26E-08	1.27E-09	8.76E-08	1.25E-08	3.80E-08	3.85E-10	5.09E-08
8079	470308.64	3819856.71	1.47E-07	5.70E-07	7.54E-09	7.24E-07	1.22E-07	4.18E-07	5.42E-09	5.46E-07	1.39E-08	7.33E-08	1.29E-09	8.85E-08	1.26E-08	3.84E-08	3.89E-10	5.14E-08
8080	470299.83	3819860.23	1.48E-07	5.75E-07	7.61E-09	7.31E-07	1.23E-07	4.22E-07	5.47E-09	5.51E-07	1.40E-08	7.40E-08	1.30E-09	8.93E-08	1.27E-08	3.87E-08	3.93E-10	5.19E-08
8081	470699.23	3819454.43	1.10E-07	4.26E-07	5.64E-09	5.41E-07	9.14E-08	3.13E-07	4.05E-09	4.08E-07	1.04E-08	5.48E-08	9.62E-10	6.61E-08	9.42E-09	2.87E-08	2.91E-10	3.84E-08
8082	470699.32	3819444.78	1.10E-07	4.27E-07	5.65E-09	5.43E-07	9.17E-08	3.14E-07	4.06E-09	4.09E-07	1.04E-08	5.49E-08	9.64E-10	6.63E-08	9.45E-09	2.88E-08	2.92E-10	3.85E-08
8083	470699.81	3819386.89	1.08E-07	4.20E-07	5.56E-09	5.34E-07	9.02E-08	3.08E-07	3.99E-09	4.03E-07	1.02E-08	5.40E-08	9.49E-10	6.52E-08	9.29E-09	2.83E-08	2.87E-10	3.79E-08
8084	470699.9	3819377.25	1.07E-07	4.16E-07	5.51E-09	5.29E-07	8.94E-08	3.06E-07	3.96E-09	3.99E-07	1.01E-08	5.36E-08	9.40E-10	6.47E-08	9.21E-09	2.81E-08	2.85E-10	3.76E-08
8085	470699.98	3819367.6	1.06E-07	4.12E-07	5.46E-09	5.24E-07	8.85E-08	3.03E-07	3.92E-09	3.95E-07	1.00E-08	5.30E-08	9.31E-10	6.40E-08	9.12E-09	2.78E-08	2.82E-10	3.72E-08
8086	470700.06	3819357.95	1.05E-07	4.07E-07	5.39E-09	5.17E-07	8.74E-08	2.99E-07	3.87E-09	3.90E-07	9.91E-09	5.24E-08	9.20E-10	6.32E-08	9.01E-09	2.74E-08	2.78E-10	3.67E-08
8087	470700.14	3819348.3	1.04E-07	4.01E-07	5.32E-09	5.10E-07	8.62E-08	2.95E-07	3.82E-09	3.85E-07	9.77E-09	5.17E-08	9.07E-10	6.24E-08	8.89E-09	2.71E-08	2.74E-10	3.62E-08
8088	470700.23	3819338.65	1.02E-07	3.95E-07	5.23E-09	5.02E-07	8.49E-08	2.90E-07	3.76E-09	3.79E-07	9.62E-09	5.09E-08	8.93E-10	6.14E-08	8.75E-09	2.66E-08	2.70E-10	3.56E-08
8089	470700.31	3819329	1.00E-07	3.88E-07	5.14E-09	4.93E-07	8.34E-08	2.85E-07	3.69E-09	3.72E-07	9.45E-09	5.00E-08	8.77E-10	6.03E-08	8.59E-09	2.62E-08	2.65E-10	3.50E-08
8090	470700.39	3819319.36	9.82E-08	3.81E-07	5.04E-09	4.84E-07	8.18E-08	2.80E-07	3.62E-09	3.65E-07	9.27E-09	4.90E-08	8.60E-10	5.91E-08	8.43E-09	2.57E-08	2.60E-10	3.44E-08
8091	470700.48	3819309.71	9.61E-08	3.73E-07	4.94E-09	4.74E-07	8.00E-08	2.74E-07	3.54E-09	3.57E-07	9.07E-09	4.80E-08	8.42E-10	5.79E-08	8.25E-09	2.51E-08	2.55E-10	3.36E-08
8092	470700.56	3819300.06	9.39E-08	3.64E-07	4.82E-09	4.63E-07	7.82E-08	2.68E-07	3.46E-09	3.49E-07	8.87E-09	4.69E-08	8.23E-10	5.66E-08	8.06E-09	2.45E-08	2.49E-10	3.29E-08
8093	470700.64	3819290.41	9.15E-08	3.55E-07	4.70E-09	4.51E-07	7.63E-08	2.61E-07	3.38E-09	3.41E-07	8.65E-09	4.57E-08	8.02E-10	5.52E-08	7.86E-09	2.39E-08	2.43E-10	3.20E-08
8094	470700.72	3819280.76	8.91E-08	3.46E-07	4.58E-09	4.39E-07	7.42E-08	2.54E-07	3.29E-09	3.31E-07	8.41E-09	4.45E-08	7.81E-10	5.37E-08	7.65E-09	2.33E-08	2.36E-10	3.12E-08
8095	470700.81	3819271.12	8.66E-08	3.36E-07	4.45E-09	4.27E-07	7.21E-08	2.47E-07	3.19E-09	3.22E-07	8.18E-09	4.32E-08	7.59E-10	5.22E-08	7.43E-09	2.26E-08	2.30E-10	3.03E-08
8096	470700.89	3819261.47	8.40E-08	3.26E-07	4.31E-09	4.14E-07	6.99E-08	2.39E-07	3.10E-09	3.12E-07	7.93E-09	4.19E-08	7.36E-10	5.06E-08	7.21E-09	2.20E-08	2.23E-10	2.94E-08
8097	470700.97	3819251.82	8.13E-08	3.15E-07	4.18E-09	4.01E-07	6.77E-08	2.32E-07	3.00E-09	3.02E-07	7.68E-09	4.06E-08	7.12E-10	4.90E-08	6.98E-09	2.13E-08	2.16E-10	2.84E-08
8098	470701.05	3819242.17	7.86E-08	3.05E-07	4.04E-09	3.87E-07	6.54E-08	2.24E-07	2.90E-09	2.92E-07	7.42E-09	3.92E-08	6.89E-10	4.73E-08	6.74E-09	2.05E-08	2.08E-10	2.75E-08
8099	470728.01	3819481.12	9.70E-08	3.76E-07	4.98E-09	4.78E-07	8.08E-08	2.76E-07	3.58E-09	3.61E-07	9.16E-09	4.84E-08	8.50E-10	5.84E-08	8.33E-09	2.54E-08	2.57E-10	3.39E-08
8100	470724.27	3819489.91	9.78E-08	3.79E-07	5.02E-09	4.82E-07	8.15E-08	2.79E-07	3.61E-09	3.64E-07	9.23E-09	4.88E-08	8.57E-10	5.89E-08	8.40E-09	2.56E-08	2.59E-10	3.42E-08
8101	470720.53	3819498.69	9.85E-08	3.82E-07	5.06E-09	4.86E-07	8.20E-08	2.81E-07	3.63E-09	3.66E-07	9.30E-09	4.92E-08	8.63E-10	5.93E-08	8.45E-09	2.57E-08	2.61E-10	3.45E-08
8102	470716.79	3819507.47	9.91E-08	3.84E-07	5.09E-09	4.88E-07	8.25E-08	2.82E-07	3.65E-09	3.69E-07	9.36E-09	4.95E-08	8.68E-10	5.97E-08	8.51E-09	2.59E-08	2.63E-10	3.47E-08
8103	470713.05	3819516.25	9.96E-08	3.86E-07	5.12E-09	4.91E-07	8.29E-08	2.84E-07	3.67E-09	3.70E-07	9.40E-09	4.97E-08	8.72E-10	6.00E-08	8.55E-09	2.60E-08	2.64E-10	3.48E-08
8104	470709.31	3819525.04	9.99E-08	3.88E-07	5.14E-09	4.93E-07	8.32E-08	2.85E-07	3.69E-09	3.72E-07	9.44E-09	4.99E-08	8.76E-10	6.02E-08	8.58E-09	2.61E-08	2.65E-10	3.50E-08
8105	470705.57	3819533.82	1.00E-07	3.89E-07	5.15E-09	4.94E-07	8.35E-08	2.86E-07	3.70E-09	3.73E-07	9.46E-09	5.00E-08	8.78E-10	6.04E-08	8.60E-09	2.62E-08	2.66E-10	3.51E-08
8106	470701.83	3819542.6	1.00E-07	3.89E-07	5.16E-09	4.95E-07	8.36E-08	2.86E-07	3.70E-09	3.73E-07	9.48E-09	5.01E-08	8.80E-10	6.05E-08	8.62E-09	2.62E-08	2.66E-10	3.51E-08
8107	470698.09	3819551.38	1.00E-07	3.90E-07	5.16E-09	4.95E-07	8.37E-08	2.86E-07	3.71E-09	3.74E-07	9.49E-09	5.02E-08	8.81E-10	6.05E-08	8.63E-09	2.63E-08	2.66E-10	3.52E-08
8108	470694.35	3819560.17	1.00E-07	3.90E-07	5.16E-09	4.95E-07	8.37E-08	2.86E-07	3.71E-09	3.74E-07	9.49E-09	5.02E-08	8.81E-10	6.05E-08	8.63E-09	2.63E-08	2.66E-10	3.52E-08
8109	470690.61	3819568.95	1.00E-07	3.89E-07	5.16E-09	4.95E-07	8.36E-08	2.86E-07	3.70E-09	3.73E-07	9.48E-09	5.01E-08	8.80E-10	6.05E-08	8.62E-09	2.62E-08	2.66E-10	3.51E-08
8110	470686.87	3819577.73	1.00E-07	3.89E-07	5.15E-09	4.94E-07	8.35E-08	2.86E-07	3.70E-09	3.73E-07	9.46E-09	5.00E-08	8.78E-10	6.04E-08	8.60E-09	2.62E-08	2.66E-10	3.51E-08
8111	470683.13	3819586.52	9.99E-08	3.88E-07	5.14E-09	4.93E-07	8.32E-08	2.85E-07	3.69E-09	3.72E-07	9.44E-09	4.99E-08	8.76E-10	6.02E-08	8.58E-09	2.61E-08	2.65E-10	3.50E-08
8112	470679.39	3819595.3	9.96E-08	3.86E-07	5.12E-09	4.91E-07	8.30E-08	2.84E-07	3.67E-09	3.70E-07	9.41E-09	4.97E-08	8.73E-10	6.00E-08	8.55E-09	2.60E-08	2.64E-10	3.49E-08
8113	470675.65	3819604.08	9.92E-08	3.85E-07	5.10E-09	4.89E-07	8.26E-08	2.83E-07	3.66E-09	3.69E-07	9.37E-09	4.95E-08	8.69E-10	5.98E-08	8.52E-09	2.59E-08	2.63E-10	3.47E-08
8114	470529.92	3819808.07	9.13E-08	3.54E-07	4.69E-09	4.50E-07	7.61E-08	2.60E-07	3.37E-09	3.40E-07	8.62E-09	4.56E-08	8.00E-10	5.50E-08	7.84E-09	2.39E-08	2.42E-10	3.20E-08
8115	470521.06	3819811.61	9.26E-08	3.59E-07	4.76E-09	4.56E-07	7.71E-08	2.64E-07	3.41E-09	3.44E-07	8.74E-09	4.62E-08	8.11E-10	5.58E-08	7.95E-09	2.42E-08	2.45E-10	3.24E-08
8116	470512.19	3819815.16	9.38E-08	3.64E-07	4.82E-09	4.63E-07	7.82E-08	2.67E-07	3.46E-09	3.49E-07	8.86E-09	4.69E-08	8.22E-10	5.65E-08	8.06E-09	2.45E-08	2.49E-10	3.28E-08
8117	470503.33	3819818.7	9.52E-08	3.69E-07	4.89E-09	4.69E-07	7.93E-08	2.71E-07	3.51E-09	3.54E-07	8.99E-09	4.75E-08	8.34E-10	5.73E-08	8.17E-09	2.49E-08	2.52E-10	3.33E-08
8118	470494.46	3819822.24	9.66E-08	3.75E-07	4.96E-09	4.76E-07	8.04E-08	2.75E-07	3.56E-09	3.59E-07	9.12E-09	4.82E-08	8.46E-10	5.82E-08	8.29E-09	2.52E-08	2.56E-10	3.38E-08
8119	470485.6	3819825.78	9.80E-08	3.80E-07	5.04E-09	4.83E-07	8.16E-08	2.79E-07	3.62E-09	3.65E-07	9.26E-09	4.89E-08	8.59E-10	5.91E-08	8.42E-09	2.56E-08	2.60E-10	3.43E-08
8120	470476.73	3819829.32	9.95E-08	3.86E-07	5.11E-09	4.91E-07	8.29E-08	2.84E-07	3.67E-09	3.70E-07	9.40E-09	4.97E-08	8.72E-10	6.00E-08	8.54E-09	2.60E-08	2.64E-10	3.48E-08
8121	470467.87	3819832.86	1.01E-07	3.92E-07	5.19E-09	4.98E-07	8.42E-08	2.88E-07	3.73E-09	3.76E-07	9.55E-09	5.05E-08	8.86E-10	6.09E-08	8.68E-09	2.64E-08	2.68E-10	3.54E-08
8122	470459.01	3819836.41	1.03E-07	3.98E-07	5.28E-09	5.06E-07	8.56E-08	2.93E-07	3.79E-09	3.82E-07	9.70E-09	5.13E-08	9.00E-10	6.19E-08	8.82E-09	2.69E-08	2.72E-10	3.59E-08
8123	470450.14	3819839.95	1.04E-07	4.05E-07	5.36E-09	5.15E-07	8.69E-08	2.97E-07	3.85E-09	3.88E-07	9.86E-09	5.21E-08	9.15E-10	6.29E-08	8.96E-09	2.73E-08	2.77E-10	3.65E-08
8124	470441.28	3819843.49	1.06E-07	4.11E-07	5.45E-09	5.23E-07	8.84E-08	3.02E-07	3.91E-09	3.95E-07	1.00E-08	5.30E-08	9.30E-10	6.39E-08	9.11E-09	2.77E-08	2.81E-10	3.71E-08
8125	470432.41	3819847.03	1.08E-07	4.18E-07	5.54E-09	5.32E-07	8.98E-08	3.07E-07	3.98E-09	4.01E-07	1.02E-08	5.38E-08	9.45E-10	6.50E-08	9.26E-09	2.82E-08	2.86E-10	3.77E-08
8126	470423.55	3819850.57	1.10E-07	4.25E-07	5.63E-09	5.41E-07	9.13E-08	3.12E-07	4.04E-09	4.08E-07	1.04E-08	5.47E-08	9.61E-10	6.61E-08	9.41E-09	2.87E-08	2.91E-10	3.84E-08
8127	470414.68	3819854.12	1.11E-07	4.32E-07	5.73E-09	5.49E-07	9.28E-08	3.18E-07	4.11E-09	4.15E-07	1.05E-08	5.56E-08	9.77E-10	6.71E-08	9.57E-09	2.91E-08	2.95E-10	3.90E-08
8128	470405.82	3819857.66	1.13E-07	4.39E-07	5.82E-09	5.58E-07	9.43E-08	3.23E-07	4.18E-09	4.21E-07	1.07E-08	5.65E-08	9.92E-10	6.82E-08	9.72E-09	2.96E-08	3.00E-10	3.96E-08
8129	470396.95	3819861.2	1.15E-07	4.46E-07	5.91E-09	5.67E-07	9.57E-08	3.28E-07	4.24E-09	4.28E-07	1.09E-08	5.74E-08	1.01E-09	6.92E-08	9.87E-09	3.00E-08	3.05E-10	4.02E-08
8130	470388.09	3819864.74	1.17E-07	4.52E-07	5.99E-09	5.75E-07	9.71E-08	3.32E-07	4.30E-09	4.34E-07	1.10E-08	5.82E-08	1.02E-09	7.03E-08	1.00E-08	3.05E-08	3.09E-10	4.08E-08
8131	470379.22	3819868.28	1.18E-07	4.59E-07	6.08E-09	5.83E-07	9.85E-08	3.37E-07	4.36E-09	4.40E-07	1.12E-08	5.91E-08	1.04E-09	7.13E-08	1.02E-08	3.09E-08	3.14E-10	4.14E-08
8132	470370.36	3819871.83	1.20E-07	4.65E-07	6.16E-09	5.91E-07	9.99E-08	3.42E-07	4.42E-09	4.46E-07	1.13E-08	5.99E-08	1.05E-09	7.23E-08	1.03E-08	3.14E-08	3.18E-10	4.20E-08
8133	470361.49	3819875.37	1.22E-07	4.71E-07	6.24E-09	5.99E-07	1.01E-07	3.46E-07	4.48E-09	4.52E-07	1.15E-08	6.07E-08	1.07E-09	7.32E-08	1.04E-08	3.18E-08	3.22E-10	4.25E-08
8134	470352.63	3819878.91	1.23E-07	4.77E-07	6.32E-09	6.07E-07	1.03E-07	3.51E-07	4.54E-09	4.58E-07	1.16E-08	6.14E-08	1.08E-09	7.42E-08	1.06E-08	3.22E-08	3.26E-10	4.31E-08
8135	470343.76	3819882.45	1.25E-07	4.83E-07	6.40E-09	6.14E-07	1.04E-07	3.55E-07	4.59E-09	4.63E-07	1.18E-08	6.22E-08	1.09E-09	7.50E-08	1.07E-08	3.26E-08	3.30E-10	4.36E-08
8136	470334.9	3819885.99	1.26E-07	4.88E-07	6.47E-09	6.21E-07	1.05E-07	3.59E-07	4.64E-09	4.68E-07	1.19E-08	6.29E-08	1.10E-09	7.59E-08	1.08E-08	3.29E-08	3.34E-10	4.41E-08
8137	470326.03	3819889.53	1.27E-07	4.94E-07	6.54E-09	6.27E-07	1.06E-07	3.63E-07	4.69E-09	4.73E-07	1.20E-08	6.35E-08	1.12E-09	7.67E-08	1.09E-08	3.33E-08	3.37E-10	4.45E-08
8138	470317.17	3819893.08	1.28E-07	4.98E-07	6.60E-09	6.33E-07	1.07E-07	3.66E-07	4.74E-09	4.78E-07	1.21E-08	6.41E-08	1.13E-09	7.74E-08	1.10E-08	3.36E-08	3.40E-10	4.49E-08
8139	470308.31	3819896.62	1.30E-07	5.02E-07	6.66E-09	6.39E-07	1.08E-07	3.69E-07	4.78E-09	4.82E-07	1.22E-08	6.47E-08	1.14E-09	7.80E-08	1.11E-08	3.39E-08	3.43E-10	4.53E-08
8140	470299.44	3819900.16	1.31E-07	5.06E-07	6.71E-09	6.44E-07	1.09E-07	3.72E-07	4.81E-09	4.86E-07	1.23E-08	6.52E-08	1.14E-09	7.86E-08	1.12E-08	3.41E-08	3.46E-10	4.57E-08
8141	470739.4	3819435.48	9.42E-08	3.65E-07	4.84E-09	4.64E-07	7.84E-08	2.68E-07	3.47E-09	3.50E-07	8.89E-09	4.70E-08	8.25E-10	5.67E-08	8.08E-09	2.46E-08	2.50E-10	3.29E-08
8142	470739.48	3819425.83	9.40E-08	3.65E-07	4.83E-09	4.64E-07	7.83E-08	2.68E-07	3.47E-09	3.50E-07	8.88E-09	4.69E-08	8.24E-10	5.66E-08	8.07E-09	2.46E-08	2.49E-10	3.29E-08
8143	470739.56	3819416.18	9.38E-08	3.64E-07	4.82E-09	4.62E-07	7.81E-08	2.67E-07	3.46E-09	3.49E-07	8.86E-09	4.68E-08	8.22E-10	5.65E-08	8.05E-09	2.45E-08	2.49E-10	3.28E-08
8144	470739.65	3819406.53	9.34E-08	3.62E-07	4.80E-09	4.60E-07	7.78E-08	2.66E-07	3.45E-09	3.47E-07	8.82E-09	4.66E-08	8.19E-10	5.63E-08	8.02E-09	2.44E-08	2.48E-10	3.27E-08
8145	470739.73	3819396.88	9.29E-08	3.60E-07	4.77E-09	4.58E-07	7.74E-08	2.65E-07	3.43E-09	3.46E-07	8.77E-09	4.64E-08	8.14E-10	5.60E-08	7.97E-09	2.43E-08	2.46E-10	3.25E-08
8146	470739.81	3819387.24	9.23E-08	3.58E-07	4.74E-09	4.55E-07	7.68E-08	2.63E-07	3.40E-09	3.43E-07	8.71E-09	4.61E-08	8.08E-10	5.56E-08	7.92E-09	2.41E-08	2.45E-10	3.23E-08
8147	470739.89	3819377.59	9.15E-08	3.55E-07	4.70E-09	4.51E-07	7.62E-08	2.61E-07	3.37E-09	3.40E-07	8.64E-09	4.57E-08	8.02E-10	5.51E-08	7.85E-09	2.39E-08	2.42E-10	3.20E-08
8148	470739.98	3819367.94	9.05E-08	3.51E-07	4.65E-09	4.46E-07	7.54E-08	2.58E-07	3.34E-09	3.37E-07	8.55E-09	4.52E-08	7.93E-10	5.46E-08	7.77E-09	2.37E-08	2.40E-10	3.17E-08
8149	470740.06	3819358.29	8.95E-08	3.47E-07	4.60E-09	4.41E-07	7.45E-08	2.55E-07	3.30E-09	3.33E-07	8.45E-09	4.47E-08	7.84E-10	5.39E-08	7.68E-09	2.34E-08	2.37E-10	3.13E-08
8150	470740.14	3819348.64	8.83E-08	3.43E-07	4.54E-09	4.35E-07	7.36E-08	2.52E-07	3.26E-09	3.28E-07	8.34E-09	4.41E-08	7.74E-10	5.32E-08	7.58E-09	2.31E-08	2.34E-10	3.09E-08
8151	470740.23	3819339	8.70E-08	3.37E-07	4.47E-09	4.29E-07	7.25E-08	2.48E-07	3.21E-09	3.24E-07	8.22E-09	4.34E-08	7.63E-10	5.24E-08	7.47E-09	2.27E-08	2.31E-10	3.04E-08
8152	470740.31	3819329.35	8.56E-08	3.32E-07	4.40E-09	4.22E-07	7.13E-08	2.44E-07	3.16E-09	3.18E-07	8.08E-09	4.27E-08	7.50E-10	5.16E-08	7.35E-09	2.24E-08	2.27E-10	3.00E-08
8153	470740.39	3819319.7	8.41E-08	3.26E-07	4.32E-09	4.14E-07	7.00E-08	2.40E-07	3.10E-09	3.13E-07	7.94E-09	4.20E-08	7.37E-10	5.06E-08	7.22E-09	2.20E-08	2.23E-10	2.94E-08
8154	470740.47	3819310.05	8.24E-08	3.20E-07	4.23E-09	4.06E-07	6.87E-08	2.35E-07	3.04E-09	3.07E-07	7.78E-09	4.12E-08	7.22E-10	4.97E-08	7.08E-09	2.15E-08	2.19E-10	2.88E-08
8155	470740.56	3819300.4	8.07E-08	3.13E-07	4.15E-09	3.98E-07	6.72E-08	2.30E-07	2.98E-09	3.00E-07	7.62E-09	4.03E-08	7.07E-10	4.86E-08	6.93E-09	2.11E-08	2.14E-10	2.82E-08
8156	470740.64	3819290.75	7.88E-08	3.06E-07	4.05E-09	3.89E-07	6.57E-08	2.25E-07	2.91E-09	2.93E-07	7.44E-09	3.94E-08	6.91E-10	4.75E-08	6.77E-09	2.06E-08	2.09E-10	2.76

8157	470740.72	3819281.11	7.69E-08	2.98E-07	3.95E-09	3.79E-07	6.41E-08	2.19E-07	2.84E-09	2.86E-07	7.26E-09	3.84E-08	6.74E-10	4.63E-08	6.60E-09	2.01E-08	2.04E-10	2.69E-08
8158	470740.8	3819271.46	7.49E-08	2.91E-07	3.85E-09	3.69E-07	6.24E-08	2.13E-07	2.76E-09	2.79E-07	7.07E-09	3.74E-08	6.56E-10	4.51E-08	6.43E-09	1.96E-08	1.99E-10	2.62E-08
8159	470740.89	3819261.81	7.28E-08	2.82E-07	3.74E-09	3.59E-07	6.07E-08	2.08E-07	2.69E-09	2.71E-07	6.88E-09	3.64E-08	6.38E-10	4.39E-08	6.25E-09	1.90E-08	1.93E-10	2.55E-08
8160	470740.97	3819252.16	7.07E-08	2.74E-07	3.63E-09	3.49E-07	5.89E-08	2.01E-07	2.61E-09	2.63E-07	6.68E-09	3.53E-08	6.20E-10	4.26E-08	6.07E-09	1.85E-08	1.87E-10	2.47E-08
8161	470741.05	3819242.51	6.85E-08	2.66E-07	3.52E-09	3.38E-07	5.71E-08	1.95E-07	2.53E-09	2.55E-07	6.47E-09	3.42E-08	6.01E-10	4.13E-08	5.88E-09	1.79E-08	1.82E-10	2.40E-08
8162	470775.47	3819463.95	8.23E-08	3.19E-07	4.23E-09	4.06E-07	6.85E-08	2.35E-07	3.04E-09	3.06E-07	7.77E-09	4.11E-08	7.21E-10	4.96E-08	7.06E-09	2.15E-08	2.18E-10	2.88E-08
8163	470771.71	3819472.78	8.32E-08	3.23E-07	4.27E-09	4.10E-07	6.93E-08	2.37E-07	3.07E-09	3.09E-07	7.86E-09	4.15E-08	7.29E-10	5.01E-08	7.14E-09	2.17E-08	2.21E-10	2.91E-08
8164	470752.91	3819516.93	8.65E-08	3.35E-07	4.44E-09	4.26E-07	7.20E-08	2.46E-07	3.19E-09	3.22E-07	8.17E-09	4.32E-08	7.58E-10	5.21E-08	7.42E-09	2.26E-08	2.29E-10	3.03E-08
8165	470749.15	3819525.76	8.69E-08	3.37E-07	4.47E-09	4.28E-07	7.24E-08	2.48E-07	3.21E-09	3.23E-07	8.21E-09	4.34E-08	7.62E-10	5.24E-08	7.46E-09	2.27E-08	2.30E-10	3.04E-08
8166	470745.39	3819534.59	8.72E-08	3.38E-07	4.48E-09	4.30E-07	7.27E-08	2.49E-07	3.22E-09	3.25E-07	8.24E-09	4.36E-08	7.65E-10	5.26E-08	7.49E-09	2.28E-08	2.31E-10	3.05E-08
8167	470741.62	3819543.42	8.75E-08	3.39E-07	4.50E-09	4.31E-07	7.29E-08	2.49E-07	3.23E-09	3.26E-07	8.26E-09	4.37E-08	7.67E-10	5.27E-08	7.51E-09	2.29E-08	2.32E-10	3.06E-08
8168	470737.86	3819552.25	8.77E-08	3.40E-07	4.51E-09	4.32E-07	7.30E-08	2.50E-07	3.23E-09	3.26E-07	8.28E-09	4.38E-08	7.68E-10	5.28E-08	7.53E-09	2.29E-08	2.32E-10	3.07E-08
8169	470734.1	3819561.08	8.78E-08	3.41E-07	4.51E-09	4.33E-07	7.31E-08	2.50E-07	3.24E-09	3.27E-07	8.29E-09	4.38E-08	7.69E-10	5.29E-08	7.54E-09	2.30E-08	2.33E-10	3.07E-08
8170	470730.34	3819569.91	8.78E-08	3.41E-07	4.51E-09	4.33E-07	7.32E-08	2.50E-07	3.24E-09	3.27E-07	8.29E-09	4.39E-08	7.70E-10	5.29E-08	7.54E-09	2.30E-08	2.33E-10	3.07E-08
8171	470726.58	3819578.74	8.78E-08	3.41E-07	4.51E-09	4.33E-07	7.31E-08	2.50E-07	3.24E-09	3.27E-07	8.29E-09	4.38E-08	7.69E-10	5.29E-08	7.54E-09	2.30E-08	2.33E-10	3.07E-08
8172	470722.82	3819587.57	8.77E-08	3.40E-07	4.51E-09	4.32E-07	7.31E-08	2.50E-07	3.23E-09	3.26E-07	8.28E-09	4.38E-08	7.69E-10	5.28E-08	7.53E-09	2.29E-08	2.32E-10	3.07E-08
8173	470719.06	3819596.41	8.75E-08	3.39E-07	4.50E-09	4.32E-07	7.29E-08	2.49E-07	3.23E-09	3.26E-07	8.27E-09	4.37E-08	7.67E-10	5.27E-08	7.51E-09	2.29E-08	2.32E-10	3.06E-08
8174	470715.3	3819605.24	8.73E-08	3.39E-07	4.49E-09	4.30E-07	7.27E-08	2.49E-07	3.22E-09	3.25E-07	8.24E-09	4.36E-08	7.65E-10	5.26E-08	7.49E-09	2.28E-08	2.31E-10	3.05E-08
8175	470711.54	3819614.07	8.70E-08	3.37E-07	4.47E-09	4.29E-07	7.25E-08	2.48E-07	3.21E-09	3.24E-07	8.22E-09	4.34E-08	7.63E-10	5.24E-08	7.47E-09	2.27E-08	2.31E-10	3.04E-08
8176	470707.78	3819622.9	8.67E-08	3.36E-07	4.45E-09	4.27E-07	7.22E-08	2.47E-07	3.20E-09	3.22E-07	8.18E-09	4.33E-08	7.60E-10	5.22E-08	7.44E-09	2.27E-08	2.30E-10	3.03E-08
8177	470704.02	3819631.73	8.63E-08	3.35E-07	4.43E-09	4.25E-07	7.19E-08	2.46E-07	3.18E-09	3.21E-07	8.15E-09	4.31E-08	7.56E-10	5.20E-08	7.41E-09	2.26E-08	2.29E-10	3.02E-08
8178	470504.02	3819858.19	8.63E-08	3.35E-07	4.43E-09	4.25E-07	7.19E-08	2.46E-07	3.18E-09	3.21E-07	8.15E-09	4.31E-08	7.56E-10	5.20E-08	7.41E-09	2.26E-08	2.29E-10	3.02E-08
8179	470495.11	3819861.75	8.76E-08	3.40E-07	4.50E-09	4.32E-07	7.29E-08	2.50E-07	3.23E-09	3.26E-07	8.27E-09	4.37E-08	7.67E-10	5.27E-08	7.52E-09	2.29E-08	2.32E-10	3.06E-08
8180	470486.2	3819865.32	8.89E-08	3.45E-07	4.57E-09	4.38E-07	7.40E-08	2.53E-07	3.28E-09	3.31E-07	8.39E-09	4.44E-08	7.79E-10	5.35E-08	7.63E-09	2.32E-08	2.36E-10	3.11E-08
8181	470477.29	3819868.88	9.02E-08	3.50E-07	4.64E-09	4.45E-07	7.52E-08	2.57E-07	3.33E-09	3.36E-07	8.52E-09	4.51E-08	7.91E-10	5.44E-08	7.75E-09	2.36E-08	2.39E-10	3.16E-08
8182	470468.37	3819872.44	9.17E-08	3.55E-07	4.71E-09	4.52E-07	7.63E-08	2.61E-07	3.38E-09	3.41E-07	8.65E-09	4.58E-08	8.03E-10	5.52E-08	7.87E-09	2.40E-08	2.43E-10	3.21E-08
8183	470459.46	3819876	9.31E-08	3.61E-07	4.78E-09	4.59E-07	7.75E-08	2.65E-07	3.43E-09	3.46E-07	8.79E-09	4.65E-08	8.16E-10	5.61E-08	7.99E-09	2.43E-08	2.47E-10	3.26E-08
8184	470450.55	3819879.56	9.46E-08	3.67E-07	4.86E-09	4.66E-07	7.88E-08	2.70E-07	3.49E-09	3.52E-07	8.93E-09	4.72E-08	8.29E-10	5.70E-08	8.12E-09	2.47E-08	2.51E-10	3.31E-08
8185	470441.63	3819883.12	9.61E-08	3.73E-07	4.94E-09	4.74E-07	8.00E-08	2.74E-07	3.54E-09	3.57E-07	9.07E-09	4.80E-08	8.42E-10	5.79E-08	8.25E-09	2.51E-08	2.55E-10	3.36E-08
8186	470432.72	3819886.68	9.76E-08	3.78E-07	5.01E-09	4.81E-07	8.13E-08	2.78E-07	3.60E-09	3.63E-07	9.21E-09	4.87E-08	8.55E-10	5.88E-08	8.38E-09	2.55E-08	2.59E-10	3.41E-08
8187	470423.81	3819890.24	9.91E-08	3.84E-07	5.09E-09	4.88E-07	8.25E-08	2.82E-07	3.65E-09	3.69E-07	9.36E-09	4.95E-08	8.68E-10	5.97E-08	8.51E-09	2.59E-08	2.63E-10	3.47E-08
8188	470414.9	3819893.8	1.01E-07	3.90E-07	5.17E-09	4.96E-07	8.38E-08	2.87E-07	3.71E-09	3.74E-07	9.50E-09	5.02E-08	8.81E-10	6.06E-08	8.63E-09	2.63E-08	2.67E-10	3.52E-08
8189	470405.98	3819897.37	1.02E-07	3.96E-07	5.24E-09	5.03E-07	8.50E-08	2.91E-07	3.76E-09	3.80E-07	9.64E-09	5.10E-08	8.94E-10	6.15E-08	8.76E-09	2.67E-08	2.71E-10	3.57E-08
8190	470397.07	3819900.93	1.04E-07	4.02E-07	5.32E-09	5.10E-07	8.62E-08	2.95E-07	3.82E-09	3.85E-07	9.78E-09	5.17E-08	9.07E-10	6.24E-08	8.89E-09	2.71E-08	2.74E-10	3.62E-08
8191	470388.16	3819904.49	1.05E-07	4.07E-07	5.39E-09	5.17E-07	8.74E-08	2.99E-07	3.87E-09	3.90E-07	9.91E-09	5.24E-08	9.20E-10	6.32E-08	9.01E-09	2.74E-08	2.78E-10	3.67E-08
8192	470379.24	3819908.05	1.06E-07	4.12E-07	5.46E-09	5.24E-07	8.86E-08	3.03E-07	3.92E-09	3.96E-07	1.00E-08	5.31E-08	9.32E-10	6.41E-08	9.13E-09	2.78E-08	2.82E-10	3.72E-08
8193	470370.33	3819911.61	1.08E-07	4.18E-07	5.53E-09	5.31E-07	8.97E-08	3.07E-07	3.97E-09	4.01E-07	1.02E-08	5.38E-08	9.44E-10	6.49E-08	9.24E-09	2.82E-08	2.85E-10	3.77E-08
8194	470361.42	3819915.17	1.09E-07	4.23E-07	5.60E-09	5.37E-07	9.08E-08	3.11E-07	4.02E-09	4.05E-07	1.03E-08	5.44E-08	9.55E-10	6.56E-08	9.35E-09	2.85E-08	2.89E-10	3.81E-08
8195	470352.51	3819918.73	1.10E-07	4.27E-07	5.66E-09	5.43E-07	9.18E-08	3.14E-07	4.06E-09	4.10E-07	1.04E-08	5.50E-08	9.66E-10	6.64E-08	9.46E-09	2.88E-08	2.92E-10	3.86E-08
8196	470343.59	3819922.29	1.11E-07	4.32E-07	5.72E-09	5.49E-07	9.27E-08	3.17E-07	4.10E-09	4.14E-07	1.05E-08	5.56E-08	9.75E-10	6.71E-08	9.55E-09	2.91E-08	2.95E-10	3.89E-08
8197	470334.68	3819925.85	1.12E-07	4.36E-07	5.77E-09	5.54E-07	9.36E-08	3.20E-07	4.14E-09	4.18E-07	1.06E-08	5.61E-08	9.84E-10	6.77E-08	9.64E-09	2.94E-08	2.98E-10	3.93E-08
8198	470325.77	3819929.41	1.13E-07	4.40E-07	5.82E-09	5.59E-07	9.44E-08	3.23E-07	4.18E-09	4.22E-07	1.07E-08	5.66E-08	9.93E-10	6.83E-08	9.73E-09	2.96E-08	3.00E-10	3.97E-08
8199	470316.85	3819932.98	1.14E-07	4.43E-07	5.87E-09	5.63E-07	9.52E-08	3.26E-07	4.21E-09	4.25E-07	1.08E-08	5.71E-08	1.00E-09	6.88E-08	9.81E-09	2.99E-08	3.03E-10	4.00E-08
8200	470307.94	3819936.54	1.15E-07	4.47E-07	5.92E-09	5.68E-07	9.59E-08	3.28E-07	4.25E-09	4.28E-07	1.09E-08	5.75E-08	1.01E-09	6.94E-08	9.89E-09	3.01E-08	3.05E-10	4.03E-08
8201	470299.03	3819940.1	1.16E-07	4.50E-07	5.96E-09	5.72E-07	9.66E-08	3.31E-07	4.28E-09	4.31E-07	1.10E-08	5.79E-08	1.02E-09	6.99E-08	9.96E-09	3.03E-08	3.08E-10	4.06E-08
8202	470779.23	3819455.12	8.13E-08	3.15E-07	4.18E-09	4.01E-07	6.78E-08	2.32E-07	3.00E-09	3.03E-07	7.68E-09	4.06E-08	7.13E-10	4.90E-08	6.98E-09	2.13E-08	2.16E-10	2.85E-08
8203	470779.31	3819445.47	8.14E-08	3.16E-07	4.18E-09	4.01E-07	6.78E-08	2.32E-07	3.00E-09	3.03E-07	7.68E-09	4.06E-08	7.13E-10	4.90E-08	6.98E-09	2.13E-08	2.16E-10	2.85E-08
8204	470779.4	3819435.82	8.13E-08	3.15E-07	4.18E-09	4.01E-07	6.77E-08	2.32E-07	3.00E-09	3.02E-07	7.68E-09	4.06E-08	7.12E-10	4.90E-08	6.98E-09	2.13E-08	2.15E-10	2.84E-08
8205	470779.48	3819426.17	8.11E-08	3.15E-07	4.17E-09	4.00E-07	6.76E-08	2.31E-07	2.99E-09	3.02E-07	7.66E-09	4.05E-08	7.11E-10	4.89E-08	6.96E-09	2.12E-08	2.15E-10	2.84E-08
8206	470779.56	3819416.52	8.09E-08	3.14E-07	4.16E-09	3.99E-07	6.74E-08	2.30E-07	2.98E-09	3.01E-07	7.64E-09	4.04E-08	7.09E-10	4.87E-08	6.94E-09	2.11E-08	2.14E-10	2.83E-08
8207	470779.65	3819406.88	8.05E-08	3.12E-07	4.14E-09	3.97E-07	6.71E-08	2.29E-07	2.97E-09	3.00E-07	7.60E-09	4.02E-08	7.06E-10	4.85E-08	6.91E-09	2.10E-08	2.13E-10	2.82E-08
8208	470779.73	3819397.23	8.01E-08	3.11E-07	4.11E-09	3.95E-07	6.67E-08	2.28E-07	2.95E-09	2.98E-07	7.56E-09	4.00E-08	7.02E-10	4.82E-08	6.87E-09	2.09E-08	2.12E-10	2.80E-08
8209	470779.81	3819387.58	7.95E-08	3.08E-07	4.09E-09	3.92E-07	6.62E-08	2.27E-07	2.93E-09	2.96E-07	7.51E-09	3.97E-08	6.97E-10	4.79E-08	6.83E-09	2.08E-08	2.11E-10	2.78E-08
8210	470779.89	3819377.93	7.88E-08	3.06E-07	4.05E-09	3.89E-07	6.57E-08	2.25E-07	2.91E-09	2.93E-07	7.45E-09	3.94E-08	6.91E-10	4.75E-08	6.77E-09	2.06E-08	2.09E-10	2.76E-08
8211	470779.98	3819368.28	7.81E-08	3.03E-07	4.01E-09	3.85E-07	6.50E-08	2.23E-07	2.88E-09	2.90E-07	7.37E-09	3.90E-08	6.84E-10	4.70E-08	6.70E-09	2.04E-08	2.07E-10	2.73E-08
8212	470780.06	3819358.64	7.72E-08	2.99E-07	3.97E-09	3.81E-07	6.43E-08	2.20E-07	2.85E-09	2.87E-07	7.29E-09	3.85E-08	6.77E-10	4.65E-08	6.63E-09	2.02E-08	2.05E-10	2.70E-08
8213	470780.14	3819348.99	7.62E-08	2.96E-07	3.92E-09	3.76E-07	6.35E-08	2.17E-07	2.81E-09	2.84E-07	7.20E-09	3.81E-08	6.68E-10	4.59E-08	6.54E-09	1.99E-08	2.02E-10	2.67E-08
8214	470780.22	3819339.34	7.52E-08	2.92E-07	3.86E-09	3.71E-07	6.26E-08	2.14E-07	2.77E-09	2.80E-07	7.10E-09	3.75E-08	6.59E-10	4.53E-08	6.45E-09	1.97E-08	1.99E-10	2.63E-08
8215	470780.31	3819329.69	7.40E-08	2.87E-07	3.80E-09	3.65E-07	6.17E-08	2.11E-07	2.73E-09	2.75E-07	6.99E-09	3.70E-08	6.49E-10	4.46E-08	6.36E-09	1.94E-08	1.96E-10	2.59E-08
8216	470780.39	3819320.04	7.28E-08	2.82E-07	3.74E-09	3.59E-07	6.06E-08	2.07E-07	2.68E-09	2.71E-07	6.87E-09	3.63E-08	6.38E-10	4.39E-08	6.25E-09	1.90E-08	1.93E-10	2.55E-08
8217	470780.47	3819310.39	7.15E-08	2.77E-07	3.67E-09	3.52E-07	5.95E-08	2.04E-07	2.64E-09	2.66E-07	6.75E-09	3.57E-08	6.26E-10	4.31E-08	6.14E-09	1.87E-08	1.89E-10	2.50E-08
8218	470780.56	3819300.75	7.01E-08	2.72E-07	3.60E-09	3.45E-07	5.84E-08	2.00E-07	2.58E-09	2.61E-07	6.62E-09	3.50E-08	6.14E-10	4.22E-08	6.02E-09	1.83E-08	1.86E-10	2.45E-08
8219	470780.64	3819291.1	6.86E-08	2.66E-07	3.52E-09	3.38E-07	5.71E-08	1.95E-07	2.53E-09	2.55E-07	6.48E-09	3.42E-08	6.01E-10	4.13E-08	5.89E-09	1.79E-08	1.82E-10	2.40E-08
8220	470780.72	3819281.45	6.70E-08	2.60E-07	3.44E-09	3.30E-07	5.58E-08	1.91E-07	2.47E-09	2.49E-07	6.33E-09	3.35E-08	5.87E-10	4.04E-08	5.76E-09	1.75E-08	1.78E-10	2.35E-08
8221	470780.8	3819271.8	6.54E-08	2.54E-07	3.36E-09	3.23E-07	5.45E-08	1.86E-07	2.41E-09	2.43E-07	6.18E-09	3.27E-08	5.73E-10	3.94E-08	5.62E-09	1.71E-08	1.73E-10	2.29E-08
8222	470780.89	3819262.15	6.38E-08	2.47E-07	3.28E-09	3.14E-07	5.31E-08	1.82E-07	2.35E-09	2.37E-07	6.02E-09	3.18E-08	5.59E-10	3.84E-08	5.47E-09	1.67E-08	1.69E-10	2.23E-08
8223	470780.97	3819252.51	6.20E-08	2.41E-07	3.19E-09	3.06E-07	5.17E-08	1.77E-07	2.29E-09	2.31E-07	5.86E-09	3.10E-08	5.44E-10	3.74E-08	5.33E-09	1.62E-08	1.64E-10	2.17E-08
8224	470781.05	3819242.86	6.03E-08	2.34E-07	3.10E-09	2.97E-07	5.02E-08	1.72E-07	2.22E-09	2.24E-07	5.69E-09	3.01E-08	5.28E-10	3.63E-08	5.18E-09	1.58E-08	1.60E-10	2.11E-08
8225	470815.45	3819464.33	7.18E-08	2.79E-07	3.69E-09	3.54E-07	5.98E-08	2.05E-07	2.65E-09	2.67E-07	6.78E-09	3.59E-08	6.29E-10	4.33E-08	6.16E-09	1.88E-08	1.90E-10	2.51E-08
8226	470811.67	3819473.2	7.26E-08	2.82E-07	3.73E-09	3.58E-07	6.05E-08	2.07E-07	2.68E-09	2.70E-07	6.86E-09	3.62E-08	6.36E-10	4.37E-08	6.23E-09	1.90E-08	1.92E-10	2.54E-08
8227	470807.9	3819482.07	7.33E-08	2.84E-07	3.77E-09	3.62E-07	6.11E-08	2.09E-07	2.70E-09	2.73E-07	6.93E-09	3.66E-08	6.43E-10	4.42E-08	6.30E-09	1.92E-08	1.94E-10	2.57E-08
8228	470804.12	3819490.95	7.40E-08	2.87E-07	3.80E-09	3.65E-07	6.16E-08	2.11E-07	2.73E-09	2.75E-07	6.99E-09	3.70E-08	6.49E-10	4.46E-08	6.35E-09	1.93E-08	1.96E-10	2.59E-08
8229	470800.34	3819499.82	7.46E-08	2.89E-07	3.83E-09	3.68E-07	6.22E-08	2.13E-07	2.75E-09	2.78E-07	7.05E-09	3.73E-08	6.54E-10	4.50E-08	6.41E-09	1.95E-08	1.98E-10	2.61E-08
8230	470796.56	3819508.69	7.52E-08	2.92E-07	3.86E-09	3.71E-07	6.26E-08	2.14E-07	2.77E-09	2.80E-07	7.10E-09	3.75E-08	6.59E-10	4.53E-08	6.45E-09	1.97E-08	1.99E-10	2.63E-08
8231	470781.45	3819544.18	7.68E-08	2.98E-07	3.95E-09	3.79E-07	6.40E-08	2.19E-07	2.83E-09	2.86E-07	7.25E-09	3.83E-08	6.73E-10	4.63E-08	6.59E-09	2.01E-08	2.04E-10	2.69E-08
8232	470777.67	3819553.05	7.70E-08	2.99E-07	3.96E-09	3.80E-07	6.42E-08	2.20E-07	2.84E-09	2.87E-07	7.28E-09	3.85E-08	6.75E-10	4.64E-08	6.61E-09	2.01E-08	2.04E-10	2.70E-08
8233	470773.89	3819561.92	7.72E-08	3.00E-07	3.97E-09	3.81E-07	6.43E-08	2.20E-07	2.85E-09	2.87E-07	7.29E-09	3.86E-08	6.77E-10	4.65E-08	6.63E-09	2.02E-08	2.05E-10	2.70E-08
8234	470770.11	3819570.79	7.73E-08	3.00E-07	3.97E-09	3.81E-07	6.44E-08	2.20E-07	2.85E-09	2.88E-07	7.30E-09	3.86E-08	6.78E-10	4.66E-08	6.64E-09	2.02E-08	2.05E-10	2.71E-08
8235	470766.34	3819579.66	7.74E-08	3.00E-07	3.98E-09	3.82E-07	6.45E-08	2.21E-07	2.86E-09	2.88E-07	7.31E-09	3.86E-08	6.78E-10	4.66E-08	6.65E-09	2.02E-08	2.05E-10	2.71E-08
8236	470762.56	3819588.53	7.74E-08	3.00E-07	3.98E-09	3.82E-07	6.45E-08	2.21E-07	2.86E-09	2.88E-07	7.31E-09	3.87E-08	6.78E-10	4.66E-08	6.65E-09	2.02E-08	2.05E-10	2.71E-08
8237	470758.78	3819597.41	7.74E-08	3.00E-07	3.98E-09	3.81E-07	6.44E-08	2.20E-07	2.85E-09	2.88E-07	7.31E-09	3.86E-08	6.78E-10	4.66E-08	6.64E-09	2.02E-08	2.05E-10	2.71E-08
8238	470755	3819606.28	7.73E-08	3.00E-07	3.97E-09	3.81E-07	6.44E-08	2.20E-07	2.85E-09	2.87E-07	7.30E-09	3.86E-08	6.77E-10	4.65E-08	6.63E-09	2.02E-08	2.05E-10	2.70E-08
8239	470751.22	3819615.15	7.71E-08	2.99E-07	3.96E-09	3.80E-07	6.42E-08	2.20E-07	2.84E-09	2.87E-07	7.28E-09	3.85E-08	6.76E-10	4.65E-08	6.62E-09	2.02E-08	2.04E-10	2.70E-08
8240	470747.44	3819624.02	7.69E-08	2.98E-07	3.95E-09	3.79E-07	6.41E-08	2.19E-07	2.84E-09	2.86E-07	7.26E-09	3.84E-08	6.74E-10	4.63E-08	6.60E-09	2.01E-08	2.04E-10	2.69E-08
8241	470743.67	3819632.89	7.67E-08	2.97E-07	3.94E-09	3.78E-07	6.39E-08	2.18E-07	2.83E-09	2.85E-07	7.24E-09	3.83E-08	6.72E-10	4.62E-08	6.58E-09	2.00E-08	2.03E-10	2.68E-08
8242	470739.89	3819641.76	7.64E-08	2.96E-07	3.92E-09	3.76E-07	6.36E-08	2.18E-07	2.82E-09	2.84E-07	7.21E-09	3.81E-08	6.69E-10	4.60E-08	6.56E-09	2.00E-08	2.02E-10	2.67E-08
8243	470736.11	3819650.63	7.60E-08	2.95E-07	3.91E-09	3.75E-07	6.33E-08	2.17E-07	2.80E-09	2.83E-07	7.18E-09	3.80E-08	6.66E-10	4.58E-08	6.53E-09	1.99E-08	2.02E-10	2.66E-08
8244	470732.33	3819659.51	7.57E-08	2.94E-07	3.89E-09	3.73E-07	6.30E-08	2.16E-07	2.79E-09	2.82E-07	7.15E-09	3.78E-08	6.63E-10	4.56E-08	6.50E-09	1.98E-08	2.01E-10	2.65E-08
8245	470728.55	3819668.38	7.53E-08	2.92E-07	3.87E-09	3.71E-07	6.27E-08	2.15E-07	2.78E-09	2.80E-07	7.11E-09	3.76E-08	6.60E-10	4.54E-08	6.46E-09	1.97E-08	2.00E-10	2.63E-08
8246	470477.68	3819908.49	8.24E-08	3.20E-07	4.23E-09	4.06E-07	6.86E-08	2.35E-07	3.04E-09	3.06E-07	7.78E-09	4.11E-08	7.22E-10	4.96E-08	7.07E-09	2.15E-08	2.18E-10	2.88E-08
8247	470468.73	3819912.07	8.37E-08	3.24E-07	4.30E-09	4.12E-07	6.97E-08	2.38E-07	3.09E-09	3.11E-07	7.90E-09	4.18E-08	7.33E-10	5.04E-08	7.18E-09	2.19E-08	2.22E-10	2.93E-08
8248	470459.77	3819915.65	8.49E-08	3.29E-07	4.36E-09	4.19E-07	7.08E-08	2.42E-07	3.13E-09	3.16E-07	8.02E-09	4.24E-08	7.44E-10	5.12E-08	7.29E-09	2.22E-08	2.25E-10	2.97E-08
8249	470450.82	3819919.22	8.62E-08	3.34E-07	4.43E-09	4.25E-07	7.18E-08	2.46E-07	3.18E-09	3.21E-07	8.14E-09	4.31E-08	7.56E-10	5.20E-08	7.40E-09	2.25E-08	2.29E-10	3.02E-08
8250	470441.87	3819922.8	8.75E-08	3.40E-07	4.50E-09	4.32E-07	7.29E-08	2.49E-07	3.23E-09	3.26E-07	8.27E-09	4.37E-08	7.67E-10	5.27E-08	7.52E-09	2.29E-08	2.32E-10	3.06E-08
8251	470432.91	3819926.38	8.88E-08	3.45E-07	4.56E-09	4.38E-07	7.40E-08	2.53E-07	3.28E-09	3.30E-07	8.39E-09	4.44E-08	7.79E-10	5.35E-08	7.63E-09	2.32E-08	2.36E-10	3.11E-08
8252	470423.96	3819929.96	9.01E-08	3.50E-07	4.63E-09	4.44E-07	7.51E-08	2.57E-07	3.32E-09	3.35E-07	8.51E-09	4.50E-08	7.90E-10	5.43E-08	7.74E-09	2.36E-08	2.39E-10	3.15E

8253	470415	3819933.54	9.14E-08	3.55E-07	4.70E-09	4.51E-07	7.61E-08	2.60E-07	3.37E-09	3.40E-07	8.63E-09	4.56E-08	8.01E-10	5.51E-08	7.85E-09	2.39E-08	2.42E-10	3.20E-08
8254	470406.05	3819937.11	9.26E-08	3.59E-07	4.76E-09	4.57E-07	7.72E-08	2.64E-07	3.42E-09	3.45E-07	8.75E-09	4.62E-08	8.12E-10	5.58E-08	7.95E-09	2.42E-08	2.46E-10	3.24E-08
8255	470397.09	3819940.69	9.38E-08	3.64E-07	4.82E-09	4.62E-07	7.81E-08	2.67E-07	3.46E-09	3.49E-07	8.86E-09	4.68E-08	8.22E-10	5.65E-08	8.05E-09	2.45E-08	2.49E-10	3.28E-08
8256	470388.14	3819944.27	9.49E-08	3.68E-07	4.88E-09	4.68E-07	7.91E-08	2.71E-07	3.50E-09	3.53E-07	8.97E-09	4.74E-08	8.32E-10	5.72E-08	8.15E-09	2.48E-08	2.52E-10	3.32E-08
8257	470379.18	3819947.85	9.60E-08	3.72E-07	4.93E-09	4.73E-07	8.00E-08	2.74E-07	3.54E-09	3.57E-07	9.07E-09	4.79E-08	8.41E-10	5.78E-08	8.24E-09	2.51E-08	2.55E-10	3.36E-08
8258	470370.23	3819951.42	9.71E-08	3.77E-07	4.99E-09	4.79E-07	8.09E-08	2.77E-07	3.58E-09	3.61E-07	9.17E-09	4.85E-08	8.51E-10	5.85E-08	8.34E-09	2.54E-08	2.57E-10	3.40E-08
8259	470361.28	3819955	9.81E-08	3.81E-07	5.04E-09	4.84E-07	8.17E-08	2.80E-07	3.62E-09	3.65E-07	9.27E-09	4.90E-08	8.60E-10	5.91E-08	8.42E-09	2.57E-08	2.60E-10	3.43E-08
8260	470352.32	3819958.58	9.91E-08	3.84E-07	5.09E-09	4.89E-07	8.25E-08	2.82E-07	3.65E-09	3.69E-07	9.36E-09	4.95E-08	8.68E-10	5.97E-08	8.51E-09	2.59E-08	2.63E-10	3.47E-08
8261	470343.37	3819962.16	1.00E-07	3.88E-07	5.14E-09	4.93E-07	8.33E-08	2.85E-07	3.69E-09	3.72E-07	9.45E-09	4.99E-08	8.76E-10	6.03E-08	8.59E-09	2.61E-08	2.65E-10	3.50E-08
8262	470334.41	3819965.73	1.01E-07	3.91E-07	5.18E-09	4.97E-07	8.40E-08	2.88E-07	3.72E-09	3.75E-07	9.53E-09	5.04E-08	8.84E-10	6.08E-08	8.66E-09	2.64E-08	2.67E-10	3.53E-08
8263	470325.46	3819969.31	1.02E-07	3.94E-07	5.23E-09	5.01E-07	8.47E-08	2.90E-07	3.75E-09	3.78E-07	9.60E-09	5.08E-08	8.91E-10	6.13E-08	8.73E-09	2.66E-08	2.70E-10	3.56E-08
8264	470316.5	3819972.89	1.02E-07	3.97E-07	5.26E-09	5.05E-07	8.53E-08	2.92E-07	3.78E-09	3.81E-07	9.68E-09	5.12E-08	8.98E-10	6.17E-08	8.80E-09	2.68E-08	2.72E-10	3.59E-08
8265	470307.55	3819976.47	1.03E-07	4.00E-07	5.30E-09	5.09E-07	8.59E-08	2.94E-07	3.80E-09	3.84E-07	9.74E-09	5.15E-08	9.04E-10	6.22E-08	8.86E-09	2.70E-08	2.73E-10	3.61E-08
8266	470819.23	3819455.46	7.10E-08	2.75E-07	3.65E-09	3.50E-07	5.91E-08	2.02E-07	2.62E-09	2.64E-07	6.70E-09	3.54E-08	6.22E-10	4.28E-08	6.09E-09	1.86E-08	1.88E-10	2.48E-08
8267	470819.31	3819445.81	7.09E-08	2.75E-07	3.64E-09	3.50E-07	5.91E-08	2.02E-07	2.62E-09	2.64E-07	6.70E-09	3.54E-08	6.22E-10	4.27E-08	6.09E-09	1.85E-08	1.88E-10	2.48E-08
8268	470819.4	3819436.16	7.08E-08	2.75E-07	3.64E-09	3.49E-07	5.90E-08	2.02E-07	2.61E-09	2.63E-07	6.69E-09	3.54E-08	6.21E-10	4.27E-08	6.08E-09	1.85E-08	1.88E-10	2.48E-08
8269	470819.48	3819426.52	7.06E-08	2.74E-07	3.63E-09	3.48E-07	5.88E-08	2.01E-07	2.61E-09	2.63E-07	6.67E-09	3.53E-08	6.19E-10	4.26E-08	6.06E-09	1.85E-08	1.87E-10	2.47E-08
8270	470819.56	3819416.87	7.04E-08	2.73E-07	3.62E-09	3.47E-07	5.86E-08	2.01E-07	2.60E-09	2.62E-07	6.65E-09	3.51E-08	6.17E-10	4.24E-08	6.04E-09	1.84E-08	1.87E-10	2.46E-08
8271	470819.64	3819407.22	7.01E-08	2.72E-07	3.60E-09	3.45E-07	5.84E-08	2.00E-07	2.58E-09	2.61E-07	6.62E-09	3.50E-08	6.14E-10	4.22E-08	6.01E-09	1.83E-08	1.86E-10	2.45E-08
8272	470819.73	3819397.57	6.97E-08	2.70E-07	3.58E-09	3.43E-07	5.80E-08	1.99E-07	2.57E-09	2.59E-07	6.58E-09	3.48E-08	6.10E-10	4.20E-08	5.98E-09	1.82E-08	1.85E-10	2.44E-08
8273	470819.81	3819387.92	6.92E-08	2.68E-07	3.55E-09	3.41E-07	5.76E-08	1.97E-07	2.55E-09	2.57E-07	6.53E-09	3.45E-08	6.06E-10	4.17E-08	5.94E-09	1.81E-08	1.83E-10	2.42E-08
8274	470819.89	3819378.27	6.86E-08	2.66E-07	3.53E-09	3.38E-07	5.72E-08	1.96E-07	2.53E-09	2.55E-07	6.48E-09	3.43E-08	6.01E-10	4.13E-08	5.89E-09	1.79E-08	1.82E-10	2.40E-08
8275	470819.97	3819368.63	6.80E-08	2.64E-07	3.49E-09	3.35E-07	5.66E-08	1.94E-07	2.51E-09	2.53E-07	6.42E-09	3.39E-08	5.96E-10	4.09E-08	5.84E-09	1.78E-08	1.80E-10	2.38E-08
8276	470820.06	3819358.98	6.73E-08	2.61E-07	3.46E-09	3.32E-07	5.60E-08	1.92E-07	2.48E-09	2.50E-07	6.35E-09	3.36E-08	5.89E-10	4.05E-08	5.77E-09	1.76E-08	1.78E-10	2.35E-08
8277	470820.14	3819349.33	6.65E-08	2.58E-07	3.41E-09	3.28E-07	5.54E-08	1.89E-07	2.45E-09	2.47E-07	6.28E-09	3.32E-08	5.82E-10	4.00E-08	5.71E-09	1.74E-08	1.76E-10	2.33E-08
8278	470820.22	3819339.68	6.56E-08	2.54E-07	3.37E-09	3.23E-07	5.46E-08	1.87E-07	2.42E-09	2.44E-07	6.19E-09	3.27E-08	5.75E-10	3.95E-08	5.63E-09	1.71E-08	1.74E-10	2.30E-08
8279	470820.31	3819330.03	6.47E-08	2.51E-07	3.32E-09	3.19E-07	5.39E-08	1.84E-07	2.38E-09	2.40E-07	6.11E-09	3.23E-08	5.67E-10	3.90E-08	5.55E-09	1.69E-08	1.71E-10	2.26E-08
8280	470820.39	3819320.39	6.36E-08	2.47E-07	3.27E-09	3.14E-07	5.30E-08	1.81E-07	2.35E-09	2.37E-07	6.01E-09	3.18E-08	5.58E-10	3.83E-08	5.46E-09	1.66E-08	1.69E-10	2.23E-08
8281	470820.47	3819310.74	6.26E-08	2.43E-07	3.21E-09	3.08E-07	5.21E-08	1.78E-07	2.31E-09	2.33E-07	5.91E-09	3.12E-08	5.48E-10	3.77E-08	5.37E-09	1.64E-08	1.66E-10	2.19E-08
8282	470820.55	3819301.09	6.14E-08	2.38E-07	3.16E-09	3.03E-07	5.12E-08	1.75E-07	2.27E-09	2.28E-07	5.80E-09	3.07E-08	5.38E-10	3.70E-08	5.27E-09	1.61E-08	1.63E-10	2.15E-08
8283	470820.64	3819291.44	6.02E-08	2.34E-07	3.09E-09	2.97E-07	5.02E-08	1.72E-07	2.22E-09	2.24E-07	5.69E-09	3.01E-08	5.28E-10	3.63E-08	5.17E-09	1.57E-08	1.60E-10	2.11E-08
8284	470820.72	3819281.79	5.89E-08	2.29E-07	3.03E-09	2.91E-07	4.91E-08	1.68E-07	2.17E-09	2.19E-07	5.57E-09	2.94E-08	5.17E-10	3.55E-08	5.06E-09	1.54E-08	1.56E-10	2.06E-08
8285	470820.8	3819272.14	5.76E-08	2.24E-07	2.96E-09	2.84E-07	4.80E-08	1.64E-07	2.13E-09	2.14E-07	5.44E-09	2.88E-08	5.05E-10	3.47E-08	4.95E-09	1.51E-08	1.53E-10	2.02E-08
8286	470820.88	3819262.5	5.63E-08	2.18E-07	2.89E-09	2.77E-07	4.69E-08	1.60E-07	2.08E-09	2.09E-07	5.31E-09	2.81E-08	4.93E-10	3.39E-08	4.83E-09	1.47E-08	1.49E-10	1.97E-08
8287	470820.97	3819252.85	5.49E-08	2.13E-07	2.82E-09	2.70E-07	4.57E-08	1.56E-07	2.02E-09	2.04E-07	5.18E-09	2.74E-08	4.81E-10	3.31E-08	4.71E-09	1.43E-08	1.45E-10	1.92E-08
8288	470821.05	3819243.2	5.34E-08	2.07E-07	2.75E-09	2.63E-07	4.45E-08	1.52E-07	1.97E-09	1.99E-07	5.04E-09	2.67E-08	4.68E-10	3.22E-08	4.59E-09	1.40E-08	1.42E-10	1.87E-08
8289	470855.52	3819464.52	6.31E-08	2.45E-07	3.24E-09	3.11E-07	5.26E-08	1.80E-07	2.33E-09	2.35E-07	5.96E-09	3.15E-08	5.53E-10	3.80E-08	5.42E-09	1.65E-08	1.67E-10	2.21E-08
8290	470851.8	3819473.24	6.38E-08	2.47E-07	3.28E-09	3.15E-07	5.31E-08	1.82E-07	2.35E-09	2.37E-07	6.03E-09	3.19E-08	5.59E-10	3.84E-08	5.48E-09	1.67E-08	1.69E-10	2.23E-08
8291	470848.09	3819481.96	6.45E-08	2.50E-07	3.31E-09	3.18E-07	5.37E-08	1.84E-07	2.38E-09	2.40E-07	6.09E-09	3.22E-08	5.65E-10	3.88E-08	5.53E-09	1.69E-08	1.71E-10	2.26E-08
8292	470844.38	3819490.67	6.51E-08	2.52E-07	3.34E-09	3.21E-07	5.42E-08	1.85E-07	2.40E-09	2.42E-07	6.14E-09	3.25E-08	5.70E-10	3.92E-08	5.59E-09	1.70E-08	1.72E-10	2.28E-08
8293	470840.67	3819499.39	6.56E-08	2.55E-07	3.37E-09	3.24E-07	5.47E-08	1.87E-07	2.42E-09	2.44E-07	6.20E-09	3.28E-08	5.75E-10	3.95E-08	5.63E-09	1.72E-08	1.74E-10	2.30E-08
8294	470836.95	3819508.11	6.62E-08	2.57E-07	3.40E-09	3.26E-07	5.51E-08	1.89E-07	2.44E-09	2.46E-07	6.25E-09	3.30E-08	5.80E-10	3.99E-08	5.68E-09	1.73E-08	1.75E-10	2.31E-08
8295	470833.24	3819516.83	6.66E-08	2.58E-07	3.42E-09	3.28E-07	5.55E-08	1.90E-07	2.46E-09	2.48E-07	6.29E-09	3.33E-08	5.84E-10	4.01E-08	5.72E-09	1.74E-08	1.77E-10	2.33E-08
8296	470829.53	3819525.55	6.70E-08	2.60E-07	3.45E-09	3.31E-07	5.58E-08	1.91E-07	2.47E-09	2.49E-07	6.33E-09	3.35E-08	5.88E-10	4.04E-08	5.76E-09	1.75E-08	1.78E-10	2.35E-08
8297	470825.81	3819534.26	6.74E-08	2.62E-07	3.46E-09	3.32E-07	5.62E-08	1.92E-07	2.49E-09	2.51E-07	6.37E-09	3.37E-08	5.91E-10	4.06E-08	5.79E-09	1.76E-08	1.79E-10	2.36E-08
8298	470807.25	3819577.85	6.86E-08	2.66E-07	3.52E-09	3.38E-07	5.71E-08	1.96E-07	2.53E-09	2.55E-07	6.48E-09	3.42E-08	6.01E-10	4.13E-08	5.89E-09	1.79E-08	1.82E-10	2.40E-08
8299	470803.54	3819586.57	6.87E-08	2.66E-07	3.53E-09	3.39E-07	5.72E-08	1.96E-07	2.53E-09	2.56E-07	6.49E-09	3.43E-08	6.02E-10	4.14E-08	5.90E-09	1.80E-08	1.82E-10	2.40E-08
8300	470799.83	3819595.29	6.87E-08	2.67E-07	3.53E-09	3.39E-07	5.73E-08	1.96E-07	2.54E-09	2.56E-07	6.49E-09	3.43E-08	6.02E-10	4.14E-08	5.90E-09	1.80E-08	1.82E-10	2.41E-08
8301	470796.11	3819604.01	6.87E-08	2.67E-07	3.53E-09	3.39E-07	5.73E-08	1.96E-07	2.54E-09	2.56E-07	6.49E-09	3.43E-08	6.02E-10	4.14E-08	5.90E-09	1.80E-08	1.82E-10	2.41E-08
8302	470792.4	3819612.72	6.87E-08	2.66E-07	3.53E-09	3.39E-07	5.72E-08	1.96E-07	2.53E-09	2.56E-07	6.49E-09	3.43E-08	6.02E-10	4.14E-08	5.90E-09	1.80E-08	1.82E-10	2.40E-08
8303	470788.69	3819621.44	6.86E-08	2.66E-07	3.53E-09	3.38E-07	5.72E-08	1.96E-07	2.53E-09	2.55E-07	6.48E-09	3.43E-08	6.01E-10	4.13E-08	5.89E-09	1.79E-08	1.82E-10	2.40E-08
8304	470784.98	3819630.16	6.85E-08	2.66E-07	3.52E-09	3.38E-07	5.71E-08	1.95E-07	2.53E-09	2.55E-07	6.47E-09	3.42E-08	6.00E-10	4.13E-08	5.88E-09	1.79E-08	1.82E-10	2.40E-08
8305	470781.26	3819638.88	6.84E-08	2.65E-07	3.51E-09	3.37E-07	5.69E-08	1.95E-07	2.52E-09	2.54E-07	6.45E-09	3.41E-08	5.99E-10	4.12E-08	5.87E-09	1.79E-08	1.81E-10	2.39E-08
8306	470777.55	3819647.59	6.82E-08	2.64E-07	3.50E-09	3.36E-07	5.68E-08	1.94E-07	2.51E-09	2.54E-07	6.44E-09	3.40E-08	5.97E-10	4.11E-08	5.85E-09	1.78E-08	1.81E-10	2.39E-08
8307	470773.84	3819656.31	6.79E-08	2.63E-07	3.49E-09	3.35E-07	5.66E-08	1.94E-07	2.51E-09	2.53E-07	6.42E-09	3.39E-08	5.95E-10	4.09E-08	5.83E-09	1.78E-08	1.80E-10	2.38E-08
8308	470770.12	3819665.03	6.77E-08	2.63E-07	3.48E-09	3.34E-07	5.64E-08	1.93E-07	2.50E-09	2.52E-07	6.39E-09	3.38E-08	5.93E-10	4.08E-08	5.81E-09	1.77E-08	1.79E-10	2.37E-08
8309	470766.41	3819673.75	6.74E-08	2.61E-07	3.46E-09	3.32E-07	5.61E-08	1.92E-07	2.49E-09	2.51E-07	6.37E-09	3.37E-08	5.91E-10	4.06E-08	5.79E-09	1.76E-08	1.79E-10	2.36E-08
8310	470762.7	3819682.47	6.71E-08	2.60E-07	3.45E-09	3.31E-07	5.59E-08	1.91E-07	2.47E-09	2.50E-07	6.34E-09	3.35E-08	5.88E-10	4.04E-08	5.76E-09	1.75E-08	1.78E-10	2.35E-08
8311	470758.99	3819691.18	6.68E-08	2.59E-07	3.43E-09	3.29E-07	5.56E-08	1.90E-07	2.46E-09	2.48E-07	6.31E-09	3.33E-08	5.85E-10	4.02E-08	5.73E-09	1.75E-08	1.77E-10	2.34E-08
8312	470473.56	3819949.91	7.62E-08	2.96E-07	3.92E-09	3.76E-07	6.35E-08	2.17E-07	2.81E-09	2.83E-07	7.20E-09	3.80E-08	6.68E-10	4.59E-08	6.54E-09	1.99E-08	2.02E-10	2.67E-08
8313	470464.76	3819953.43	7.73E-08	3.00E-07	3.97E-09	3.81E-07	6.44E-08	2.20E-07	2.85E-09	2.88E-07	7.30E-09	3.86E-08	6.77E-10	4.66E-08	6.64E-09	2.02E-08	2.05E-10	2.71E-08
8314	470455.96	3819956.95	7.84E-08	3.04E-07	4.03E-09	3.87E-07	6.53E-08	2.23E-07	2.89E-09	2.92E-07	7.40E-09	3.91E-08	6.87E-10	4.72E-08	6.73E-09	2.05E-08	2.08E-10	2.74E-08
8315	470447.16	3819960.46	7.95E-08	3.08E-07	4.08E-09	3.92E-07	6.62E-08	2.27E-07	2.93E-09	2.96E-07	7.51E-09	3.97E-08	6.97E-10	4.79E-08	6.82E-09	2.08E-08	2.11E-10	2.78E-08
8316	470438.36	3819963.98	8.06E-08	3.13E-07	4.14E-09	3.97E-07	6.71E-08	2.30E-07	2.97E-09	3.00E-07	7.61E-09	4.02E-08	7.06E-10	4.85E-08	6.92E-09	2.11E-08	2.14E-10	2.82E-08
8317	470429.56	3819967.49	8.17E-08	3.17E-07	4.20E-09	4.03E-07	6.80E-08	2.33E-07	3.01E-09	3.04E-07	7.71E-09	4.08E-08	7.16E-10	4.92E-08	7.01E-09	2.13E-08	2.16E-10	2.86E-08
8318	470420.76	3819971.01	8.27E-08	3.21E-07	4.25E-09	4.08E-07	6.89E-08	2.36E-07	3.05E-09	3.08E-07	7.81E-09	4.13E-08	7.25E-10	4.98E-08	7.10E-09	2.16E-08	2.19E-10	2.89E-08
8319	470411.96	3819974.52	8.37E-08	3.25E-07	4.30E-09	4.13E-07	6.97E-08	2.39E-07	3.09E-09	3.11E-07	7.91E-09	4.18E-08	7.34E-10	5.04E-08	7.19E-09	2.19E-08	2.22E-10	2.93E-08
8320	470403.16	3819978.04	8.47E-08	3.29E-07	4.35E-09	4.18E-07	7.06E-08	2.41E-07	3.12E-09	3.15E-07	8.00E-09	4.23E-08	7.42E-10	5.10E-08	7.27E-09	2.21E-08	2.25E-10	2.96E-08
8321	470394.36	3819981.55	8.57E-08	3.32E-07	4.40E-09	4.22E-07	7.14E-08	2.44E-07	3.16E-09	3.19E-07	8.09E-09	4.28E-08	7.51E-10	5.16E-08	7.36E-09	2.24E-08	2.27E-10	3.00E-08
8322	470385.56	3819985.07	8.66E-08	3.36E-07	4.45E-09	4.27E-07	7.21E-08	2.47E-07	3.19E-09	3.22E-07	8.18E-09	4.32E-08	7.59E-10	5.22E-08	7.43E-09	2.26E-08	2.30E-10	3.03E-08
8323	470376.77	3819988.59	8.75E-08	3.39E-07	4.49E-09	4.31E-07	7.29E-08	2.49E-07	3.23E-09	3.25E-07	8.26E-09	4.37E-08	7.67E-10	5.27E-08	7.51E-09	2.29E-08	2.32E-10	3.06E-08
8324	470367.97	3819992.1	8.83E-08	3.43E-07	4.54E-09	4.35E-07	7.36E-08	2.52E-07	3.26E-09	3.29E-07	8.34E-09	4.41E-08	7.74E-10	5.32E-08	7.58E-09	2.31E-08	2.34E-10	3.09E-08
8325	470359.17	3819995.62	8.91E-08	3.46E-07	4.58E-09	4.39E-07	7.42E-08	2.54E-07	3.29E-09	3.31E-07	8.42E-09	4.45E-08	7.81E-10	5.37E-08	7.65E-09	2.33E-08	2.36E-10	3.12E-08
8326	470350.37	3819999.13	8.99E-08	3.49E-07	4.62E-09	4.43E-07	7.49E-08	2.56E-07	3.31E-09	3.34E-07	8.49E-09	4.49E-08	7.88E-10	5.41E-08	7.72E-09	2.35E-08	2.38E-10	3.14E-08
8327	470341.57	3820002.65	9.06E-08	3.51E-07	4.65E-09	4.47E-07	7.54E-08	2.58E-07	3.34E-09	3.37E-07	8.55E-09	4.52E-08	7.94E-10	5.46E-08	7.78E-09	2.37E-08	2.40E-10	3.17E-08
8328	470332.77	3820006.16	9.13E-08	3.54E-07	4.69E-09	4.50E-07	7.60E-08	2.60E-07	3.37E-09	3.39E-07	8.62E-09	4.56E-08	8.00E-10	5.50E-08	7.83E-09	2.39E-08	2.42E-10	3.19E-08
8329	470323.97	3820009.68	9.19E-08	3.56E-07	4.72E-09	4.53E-07	7.65E-08	2.62E-07	3.39E-09	3.42E-07	8.67E-09	4.59E-08	8.05E-10	5.53E-08	7.89E-09	2.40E-08	2.44E-10	3.21E-08
8330	470315.17	3820013.2	9.24E-08	3.58E-07	4.75E-09	4.56E-07	7.70E-08	2.63E-07	3.41E-09	3.44E-07	8.73E-09	4.61E-08	8.10E-10	5.57E-08	7.93E-09	2.42E-08	2.45E-10	3.23E-08
8331	470859.23	3819455.8	6.24E-08	2.42E-07	3.21E-09	3.08E-07	5.20E-08	1.78E-07	2.30E-09	2.32E-07	5.89E-09	3.11E-08	5.47E-10	3.76E-08	5.36E-09	1.63E-08	1.65E-10	2.18E-08
8332	470859.31	3819446.15	6.23E-08	2.42E-07	3.20E-09	3.07E-07	5.19E-08	1.78E-07	2.30E-09	2.32E-07	5.89E-09	3.11E-08	5.46E-10	3.75E-08	5.35E-09	1.63E-08	1.65E-10	2.18E-08
8333	470859.39	3819436.51	6.22E-08	2.41E-07	3.20E-09	3.07E-07	5.18E-08	1.77E-07	2.29E-09	2.31E-07	5.87E-09	3.11E-08	5.45E-10	3.75E-08	5.34E-09	1.63E-08	1.65E-10	2.18E-08
8334	470859.48	3819426.86	6.20E-08	2.41E-07	3.19E-09	3.06E-07	5.17E-08	1.77E-07	2.29E-09	2.31E-07	5.86E-09	3.10E-08	5.44E-10	3.74E-08	5.32E-09	1.62E-08	1.64E-10	2.17E-08
8335	470859.56	3819417.21	6.18E-08	2.40E-07	3.18E-09	3.05E-07	5.15E-08	1.76E-07	2.28E-09	2.30E-07	5.84E-09	3.09E-08	5.42E-10	3.72E-08	5.30E-09	1.62E-08	1.64E-10	2.16E-08
8336	470859.64	3819407.56	6.15E-08	2.39E-07	3.16E-09	3.03E-07	5.12E-08	1.75E-07	2.27E-09	2.29E-07	5.81E-09	3.07E-08	5.39E-10	3.71E-08	5.28E-09	1.61E-08	1.63E-10	2.15E-08
8337	470859.73	3819397.91	6.11E-08	2.37E-07	3.14E-09	3.01E-07	5.09E-08	1.74E-07	2.25E-09	2.27E-07	5.77E-09	3.05E-08	5.36E-10	3.68E-08	5.25E-09	1.60E-08	1.62E-10	2.14E-08
8338	470859.81	3819388.27	6.07E-08	2.35E-07	3.12E-09	2.99E-07	5.06E-08	1.73E-07	2.24E-09	2.26E-07	5.73E-09	3.03E-08	5.32E-10	3.66E-08	5.21E-09	1.59E-08	1.61E-10	2.12E-08
8339	470859.89	3819378.62	6.02E-08	2.34E-07	3.09E-09	2.97E-07	5.02E-08	1.72E-07	2.22E-09	2.24E-07	5.69E-09	3.01E-08	5.28E-10	3.63E-08	5.17E-09	1.57E-08	1.60E-10	2.11E-08
8340	470859.97	3819368.97	5.97E-08	2.32E-07	3.07E-09	2.94E-07	4.97E-08	1.70E-07	2.20E-09	2.22E-07	5.64E-09	2.98E-08	5.23E-10	3.60E-08	5.12E-09	1.56E-08	1.58E-10	2.09E-08
8341	470860.06	3819359.32	5.91E-08	2.29E-07	3.04E-09	2.91E-07	4.92E-08	1.68E-07	2.18E-09	2.20E-07	5.58E-09	2.95E-08	5.18E-10	3.56E-08	5.07E-09	1.54E-08	1.57E-10	2.07E-08
8342	470860.14	3819349.67	5.84E-08	2.27E-07	3.00E-09	2.88E-07	4.87E-08	1.67E-07	2.15E-09	2.17E-07	5.52E-09	2.92E-08	5.12E-10	3.52E-08	5.02E-09	1.53E-08	1.55E-10	2.04E-08
8343	470860.22	3819340.02	5.77E-08	2.24E-07	2.97E-09	2.84E-07	4.81E-08	1.64E-07	2.13E-09	2.15E-07	5.45E-09	2.88E-08	5.06E-10	3.48E-08	4.95E-09	1.51E-08	1.53E-10	2.02E-08
8344	470860.3	3819330.38	5.69E-08	2.21E-07	2.93E-09	2.81E-07	4.74E-08	1.62E-07	2.10E-09	2.12E-07	5.38E-09	2.84E-08	4.99E-10	3.43E-08	4.89E-09	1.49E-08	1.51E-10	1.99E-08
8345	470860.39	3819320.73	5.61E-08	2.18E-07	2.88E-09	2.77E-07	4.67E-08	1.60E-07	2.07E-09	2.09E-07	5.30E-09	2.80E-08	4.92E-10	3.38E-08	4.82E-09	1.47E-08	1.49E-10	1.96E-08
8346	470860.47	3819311.08	5.52E-08	2.14E-07	2.84E-09	2.72E-07	4.60E-08	1.57E-07	2.04E-09	2.05E-07	5.21E-09	2.76E-08	4.84E-10	3.33E-08	4.74E-09	1.44E-08	1.46E-10	1.93E-08
8347	470860.55	3819301.43	5.43E-08	2.10E-07	2.79E-09	2.67E-07	4.52E-08	1.55E-07	2.00E-09	2.02E-07	5.12E-09	2.71E-08	4.75E-10	3.27E-08	4.66E-09	1.42E-08	1.44E-10	1.90E-08
8348	470860.64	3819291.78	5.33E-08	2.07E-07	2.74E-09	2.63E-07	4.44E-08	1.52E-07	1.96E-09	1.98E-07	5.03E-09	2.66E-08	4.67E-10	3.21E-08	4.57E-09	1.39E-08	1.41E-10	1.86E

8349	470860.72	3819282.14	5.22E-08	2.03E-07	2.68E-09	2.57E-07	4.35E-08	1.49E-07	1.93E-09	1.94E-07	4.93E-09	2.61E-08	4.58E-10	3.15E-08	4.48E-09	1.37E-08	1.38E-10	1.83E-08
8350	470860.8	3819272.49	5.11E-08	1.98E-07	2.63E-09	2.52E-07	4.26E-08	1.46E-07	1.89E-09	1.90E-07	4.83E-09	2.55E-08	4.48E-10	3.08E-08	4.39E-09	1.34E-08	1.36E-10	1.79E-08
8351	470860.88	3819262.84	5.00E-08	1.94E-07	2.57E-09	2.47E-07	4.17E-08	1.43E-07	1.84E-09	1.86E-07	4.72E-09	2.50E-08	4.38E-10	3.01E-08	4.29E-09	1.31E-08	1.33E-10	1.75E-08
8352	470860.97	3819253.19	4.88E-08	1.89E-07	2.51E-09	2.41E-07	4.07E-08	1.39E-07	1.80E-09	1.82E-07	4.61E-09	2.44E-08	4.28E-10	2.94E-08	4.19E-09	1.28E-08	1.29E-10	1.71E-08
8353	470861.05	3819243.54	4.77E-08	1.85E-07	2.45E-09	2.35E-07	3.97E-08	1.36E-07	1.76E-09	1.77E-07	4.50E-09	2.38E-08	4.18E-10	2.87E-08	4.09E-09	1.25E-08	1.26E-10	1.67E-08
8354	470895.5	3819464.91	5.59E-08	2.17E-07	2.87E-09	2.76E-07	4.66E-08	1.59E-07	2.06E-09	2.08E-07	5.28E-09	2.79E-08	4.90E-10	3.37E-08	4.80E-09	1.46E-08	1.48E-10	1.96E-08
8355	470891.77	3819473.67	5.65E-08	2.19E-07	2.90E-09	2.79E-07	4.71E-08	1.61E-07	2.08E-09	2.10E-07	5.34E-09	2.82E-08	4.95E-10	3.40E-08	4.85E-09	1.48E-08	1.50E-10	1.98E-08
8356	470888.04	3819482.43	5.71E-08	2.21E-07	2.93E-09	2.81E-07	4.75E-08	1.63E-07	2.10E-09	2.12E-07	5.39E-09	2.85E-08	5.00E-10	3.44E-08	4.90E-09	1.49E-08	1.51E-10	2.00E-08
8357	470884.3	3819491.19	5.76E-08	2.23E-07	2.96E-09	2.84E-07	4.80E-08	1.64E-07	2.13E-09	2.14E-07	5.44E-09	2.88E-08	5.05E-10	3.47E-08	4.95E-09	1.51E-08	1.53E-10	2.02E-08
8358	470880.57	3819499.95	5.81E-08	2.25E-07	2.99E-09	2.87E-07	4.84E-08	1.66E-07	2.14E-09	2.16E-07	5.49E-09	2.90E-08	5.09E-10	3.50E-08	4.99E-09	1.52E-08	1.54E-10	2.03E-08
8359	470876.84	3819508.71	5.86E-08	2.27E-07	3.01E-09	2.89E-07	4.88E-08	1.67E-07	2.16E-09	2.18E-07	5.54E-09	2.93E-08	5.14E-10	3.53E-08	5.03E-09	1.53E-08	1.55E-10	2.05E-08
8360	470873.11	3819517.46	5.91E-08	2.29E-07	3.03E-09	2.91E-07	4.92E-08	1.68E-07	2.18E-09	2.20E-07	5.58E-09	2.95E-08	5.18E-10	3.56E-08	5.07E-09	1.54E-08	1.57E-10	2.07E-08
8361	470869.38	3819526.22	5.95E-08	2.31E-07	3.06E-09	2.93E-07	4.95E-08	1.69E-07	2.19E-09	2.21E-07	5.62E-09	2.97E-08	5.21E-10	3.58E-08	5.11E-09	1.55E-08	1.58E-10	2.08E-08
8362	470865.65	3819534.98	5.98E-08	2.32E-07	3.07E-09	2.95E-07	4.98E-08	1.71E-07	2.21E-09	2.23E-07	5.65E-09	2.99E-08	5.24E-10	3.61E-08	5.14E-09	1.56E-08	1.59E-10	2.09E-08
8363	470861.92	3819543.74	6.02E-08	2.33E-07	3.09E-09	2.97E-07	5.01E-08	1.72E-07	2.22E-09	2.24E-07	5.68E-09	3.00E-08	5.27E-10	3.63E-08	5.17E-09	1.57E-08	1.60E-10	2.11E-08
8364	470858.19	3819552.5	6.05E-08	2.35E-07	3.11E-09	2.98E-07	5.04E-08	1.72E-07	2.23E-09	2.25E-07	5.71E-09	3.02E-08	5.30E-10	3.64E-08	5.19E-09	1.58E-08	1.60E-10	2.12E-08
8365	470854.46	3819561.26	6.07E-08	2.36E-07	3.12E-09	2.99E-07	5.06E-08	1.73E-07	2.24E-09	2.26E-07	5.74E-09	3.03E-08	5.32E-10	3.66E-08	5.21E-09	1.59E-08	1.61E-10	2.13E-08
8366	470850.73	3819570.02	6.10E-08	2.36E-07	3.13E-09	3.00E-07	5.08E-08	1.74E-07	2.25E-09	2.27E-07	5.76E-09	3.04E-08	5.34E-10	3.67E-08	5.23E-09	1.59E-08	1.62E-10	2.13E-08
8367	470835.81	3819605.06	6.14E-08	2.38E-07	3.16E-09	3.03E-07	5.12E-08	1.75E-07	2.27E-09	2.29E-07	5.80E-09	3.07E-08	5.38E-10	3.70E-08	5.27E-09	1.61E-08	1.63E-10	2.15E-08
8368	470832.08	3819613.82	6.15E-08	2.38E-07	3.16E-09	3.03E-07	5.12E-08	1.75E-07	2.27E-09	2.29E-07	5.80E-09	3.07E-08	5.39E-10	3.70E-08	5.28E-09	1.61E-08	1.63E-10	2.15E-08
8369	470828.35	3819622.58	6.14E-08	2.38E-07	3.16E-09	3.03E-07	5.12E-08	1.75E-07	2.27E-09	2.29E-07	5.80E-09	3.07E-08	5.38E-10	3.70E-08	5.28E-09	1.61E-08	1.63E-10	2.15E-08
8370	470824.62	3819631.34	6.14E-08	2.38E-07	3.16E-09	3.03E-07	5.11E-08	1.75E-07	2.26E-09	2.28E-07	5.80E-09	3.07E-08	5.38E-10	3.70E-08	5.27E-09	1.61E-08	1.63E-10	2.15E-08
8371	470820.88	3819640.1	6.13E-08	2.38E-07	3.15E-09	3.02E-07	5.11E-08	1.75E-07	2.26E-09	2.28E-07	5.79E-09	3.06E-08	5.37E-10	3.70E-08	5.27E-09	1.60E-08	1.63E-10	2.15E-08
8372	470817.15	3819648.86	6.12E-08	2.37E-07	3.15E-09	3.02E-07	5.10E-08	1.74E-07	2.26E-09	2.28E-07	5.78E-09	3.06E-08	5.37E-10	3.69E-08	5.26E-09	1.60E-08	1.62E-10	2.14E-08
8373	470813.42	3819657.62	6.11E-08	2.37E-07	3.14E-09	3.01E-07	5.09E-08	1.74E-07	2.25E-09	2.27E-07	5.77E-09	3.05E-08	5.35E-10	3.68E-08	5.24E-09	1.60E-08	1.62E-10	2.14E-08
8374	470809.69	3819666.38	6.09E-08	2.36E-07	3.13E-09	3.00E-07	5.08E-08	1.74E-07	2.25E-09	2.27E-07	5.75E-09	3.04E-08	5.34E-10	3.67E-08	5.23E-09	1.59E-08	1.62E-10	2.13E-08
8375	470805.96	3819675.14	6.08E-08	2.36E-07	3.12E-09	2.99E-07	5.06E-08	1.73E-07	2.24E-09	2.26E-07	5.74E-09	3.03E-08	5.32E-10	3.66E-08	5.22E-09	1.59E-08	1.61E-10	2.13E-08
8376	470802.23	3819683.9	6.05E-08	2.35E-07	3.11E-09	2.98E-07	5.04E-08	1.73E-07	2.23E-09	2.25E-07	5.72E-09	3.02E-08	5.31E-10	3.65E-08	5.20E-09	1.58E-08	1.60E-10	2.12E-08
8377	470798.5	3819692.66	6.03E-08	2.34E-07	3.10E-09	2.97E-07	5.02E-08	1.72E-07	2.22E-09	2.24E-07	5.69E-09	3.01E-08	5.28E-10	3.63E-08	5.18E-09	1.58E-08	1.60E-10	2.11E-08
8378	470794.77	3819701.42	6.01E-08	2.33E-07	3.09E-09	2.96E-07	5.00E-08	1.71E-07	2.21E-09	2.23E-07	5.67E-09	3.00E-08	5.26E-10	3.62E-08	5.16E-09	1.57E-08	1.59E-10	2.10E-08
8379	470791.04	3819710.18	5.98E-08	2.32E-07	3.07E-09	2.95E-07	4.98E-08	1.70E-07	2.20E-09	2.22E-07	5.65E-09	2.98E-08	5.24E-10	3.60E-08	5.13E-09	1.56E-08	1.58E-10	2.09E-08
8380	470473.98	3819989.52	7.02E-08	2.72E-07	3.61E-09	3.46E-07	5.85E-08	2.00E-07	2.59E-09	2.61E-07	6.63E-09	3.51E-08	6.15E-10	4.23E-08	6.03E-09	1.84E-08	1.86E-10	2.46E-08
8381	470465.13	3819993.05	7.12E-08	2.76E-07	3.66E-09	3.51E-07	5.93E-08	2.03E-07	2.63E-09	2.65E-07	6.72E-09	3.55E-08	6.24E-10	4.29E-08	6.11E-09	1.86E-08	1.89E-10	2.49E-08
8382	470456.29	3819996.59	7.22E-08	2.80E-07	3.71E-09	3.56E-07	6.01E-08	2.06E-07	2.66E-09	2.68E-07	6.81E-09	3.60E-08	6.32E-10	4.35E-08	6.19E-09	1.89E-08	1.91E-10	2.52E-08
8383	470447.45	3820000.12	7.31E-08	2.84E-07	3.76E-09	3.60E-07	6.09E-08	2.08E-07	2.70E-09	2.72E-07	6.90E-09	3.65E-08	6.41E-10	4.40E-08	6.28E-09	1.91E-08	1.94E-10	2.56E-08
8384	470438.61	3820003.65	7.41E-08	2.87E-07	3.80E-09	3.65E-07	6.17E-08	2.11E-07	2.73E-09	2.75E-07	6.99E-09	3.70E-08	6.49E-10	4.46E-08	6.36E-09	1.94E-08	1.96E-10	2.59E-08
8385	470429.77	3820007.18	7.50E-08	2.91E-07	3.85E-09	3.70E-07	6.24E-08	2.14E-07	2.76E-09	2.79E-07	7.08E-09	3.74E-08	6.57E-10	4.52E-08	6.44E-09	1.96E-08	1.99E-10	2.62E-08
8386	470305.99	3820056.64	8.41E-08	3.26E-07	4.32E-09	4.15E-07	7.01E-08	2.40E-07	3.10E-09	3.13E-07	7.94E-09	4.20E-08	7.37E-10	5.07E-08	7.22E-09	2.20E-08	2.23E-10	2.94E-08
8387	470899.23	3819456.15	5.52E-08	2.14E-07	2.84E-09	2.72E-07	4.60E-08	1.57E-07	2.04E-09	2.06E-07	5.22E-09	2.76E-08	4.84E-10	3.33E-08	4.74E-09	1.44E-08	1.46E-10	1.93E-08
8388	470899.31	3819446.5	5.52E-08	2.14E-07	2.83E-09	2.72E-07	4.60E-08	1.57E-07	2.03E-09	2.05E-07	5.21E-09	2.75E-08	4.83E-10	3.32E-08	4.74E-09	1.44E-08	1.46E-10	1.93E-08
8389	470899.39	3819436.85	5.50E-08	2.13E-07	2.83E-09	2.71E-07	4.58E-08	1.57E-07	2.03E-09	2.05E-07	5.20E-09	2.75E-08	4.82E-10	3.32E-08	4.72E-09	1.44E-08	1.46E-10	1.93E-08
8390	470899.48	3819427.2	5.49E-08	2.13E-07	2.82E-09	2.70E-07	4.57E-08	1.56E-07	2.02E-09	2.04E-07	5.18E-09	2.74E-08	4.81E-10	3.31E-08	4.71E-09	1.43E-08	1.45E-10	1.92E-08
8391	470899.56	3819417.55	5.47E-08	2.12E-07	2.81E-09	2.69E-07	4.55E-08	1.56E-07	2.02E-09	2.03E-07	5.16E-09	2.73E-08	4.79E-10	3.29E-08	4.69E-09	1.43E-08	1.45E-10	1.91E-08
8392	470899.64	3819407.91	5.44E-08	2.11E-07	2.79E-09	2.68E-07	4.53E-08	1.55E-07	2.01E-09	2.02E-07	5.14E-09	2.72E-08	4.77E-10	3.28E-08	4.67E-09	1.42E-08	1.44E-10	1.90E-08
8393	470899.72	3819398.26	5.41E-08	2.10E-07	2.78E-09	2.67E-07	4.50E-08	1.54E-07	1.99E-09	2.01E-07	5.11E-09	2.70E-08	4.74E-10	3.26E-08	4.64E-09	1.41E-08	1.43E-10	1.89E-08
8394	470899.81	3819388.61	5.37E-08	2.08E-07	2.76E-09	2.65E-07	4.47E-08	1.53E-07	1.98E-09	2.00E-07	5.07E-09	2.68E-08	4.71E-10	3.24E-08	4.61E-09	1.40E-08	1.42E-10	1.88E-08
8395	470899.89	3819378.96	5.33E-08	2.07E-07	2.74E-09	2.63E-07	4.44E-08	1.52E-07	1.97E-09	1.98E-07	5.03E-09	2.66E-08	4.67E-10	3.21E-08	4.57E-09	1.39E-08	1.41E-10	1.86E-08
8396	470899.97	3819369.31	5.28E-08	2.05E-07	2.71E-09	2.60E-07	4.40E-08	1.51E-07	1.95E-09	1.96E-07	4.99E-09	2.64E-08	4.63E-10	3.18E-08	4.53E-09	1.38E-08	1.40E-10	1.85E-08
8397	470900.05	3819359.66	5.23E-08	2.03E-07	2.69E-09	2.58E-07	4.36E-08	1.49E-07	1.93E-09	1.95E-07	4.94E-09	2.61E-08	4.58E-10	3.15E-08	4.49E-09	1.37E-08	1.39E-10	1.83E-08
8398	470900.14	3819350.02	5.18E-08	2.01E-07	2.66E-09	2.55E-07	4.31E-08	1.47E-07	1.91E-09	1.93E-07	4.89E-09	2.58E-08	4.54E-10	3.12E-08	4.44E-09	1.35E-08	1.37E-10	1.81E-08
8399	470900.22	3819340.37	5.12E-08	1.98E-07	2.63E-09	2.52E-07	4.26E-08	1.46E-07	1.89E-09	1.90E-07	4.83E-09	2.55E-08	4.48E-10	3.08E-08	4.39E-09	1.34E-08	1.36E-10	1.79E-08
8400	470900.3	3819330.72	5.05E-08	1.96E-07	2.59E-09	2.49E-07	4.21E-08	1.44E-07	1.86E-09	1.88E-07	4.77E-09	2.52E-08	4.43E-10	3.04E-08	4.34E-09	1.32E-08	1.34E-10	1.77E-08
8401	470900.39	3819321.07	4.98E-08	1.93E-07	2.56E-09	2.45E-07	4.15E-08	1.42E-07	1.84E-09	1.85E-07	4.70E-09	2.49E-08	4.36E-10	3.00E-08	4.28E-09	1.30E-08	1.32E-10	1.74E-08
8402	470900.47	3819311.42	4.91E-08	1.90E-07	2.52E-09	2.42E-07	4.09E-08	1.40E-07	1.81E-09	1.82E-07	4.63E-09	2.45E-08	4.30E-10	2.96E-08	4.21E-09	1.28E-08	1.30E-10	1.72E-08
8403	470900.55	3819301.78	4.83E-08	1.87E-07	2.48E-09	2.38E-07	4.02E-08	1.38E-07	1.78E-09	1.80E-07	4.56E-09	2.41E-08	4.23E-10	2.91E-08	4.14E-09	1.26E-08	1.28E-10	1.69E-08
8404	470900.63	3819292.13	4.74E-08	1.84E-07	2.44E-09	2.34E-07	3.95E-08	1.35E-07	1.75E-09	1.76E-07	4.48E-09	2.37E-08	4.16E-10	2.86E-08	4.07E-09	1.24E-08	1.26E-10	1.66E-08
8405	470900.72	3819282.48	4.66E-08	1.81E-07	2.39E-09	2.30E-07	3.88E-08	1.33E-07	1.72E-09	1.73E-07	4.40E-09	2.32E-08	4.08E-10	2.81E-08	4.00E-09	1.22E-08	1.23E-10	1.63E-08
8406	470900.8	3819272.83	4.57E-08	1.77E-07	2.35E-09	2.25E-07	3.80E-08	1.30E-07	1.68E-09	1.70E-07	4.31E-09	2.28E-08	4.00E-10	2.75E-08	3.92E-09	1.19E-08	1.21E-10	1.60E-08
8407	470900.88	3819263.18	4.47E-08	1.73E-07	2.30E-09	2.20E-07	3.73E-08	1.27E-07	1.65E-09	1.66E-07	4.22E-09	2.23E-08	3.92E-10	2.69E-08	3.84E-09	1.17E-08	1.19E-10	1.56E-08
8408	470900.96	3819253.53	4.38E-08	1.70E-07	2.25E-09	2.16E-07	3.64E-08	1.25E-07	1.61E-09	1.63E-07	4.13E-09	2.18E-08	3.83E-10	2.64E-08	3.76E-09	1.14E-08	1.16E-10	1.53E-08
8409	470901.05	3819243.89	4.28E-08	1.66E-07	2.20E-09	2.11E-07	3.56E-08	1.22E-07	1.58E-09	1.59E-07	4.04E-09	2.13E-08	3.75E-10	2.58E-08	3.67E-09	1.12E-08	1.13E-10	1.50E-08
8410	470935.48	3819465.29	4.98E-08	1.93E-07	2.56E-09	2.45E-07	4.15E-08	1.42E-07	1.84E-09	1.85E-07	4.70E-09	2.49E-08	4.36E-10	3.00E-08	4.27E-09	1.30E-08	1.32E-10	1.74E-08
8411	470931.73	3819474.08	5.03E-08	1.95E-07	2.59E-09	2.48E-07	4.19E-08	1.43E-07	1.86E-09	1.87E-07	4.75E-09	2.51E-08	4.41E-10	3.03E-08	4.32E-09	1.32E-08	1.33E-10	1.76E-08
8412	470927.99	3819482.88	5.09E-08	1.97E-07	2.61E-09	2.51E-07	4.24E-08	1.45E-07	1.88E-09	1.89E-07	4.80E-09	2.54E-08	4.46E-10	3.06E-08	4.37E-09	1.33E-08	1.35E-10	1.78E-08
8413	470924.24	3819491.68	5.13E-08	1.99E-07	2.64E-09	2.53E-07	4.28E-08	1.46E-07	1.89E-09	1.91E-07	4.85E-09	2.56E-08	4.50E-10	3.09E-08	4.41E-09	1.34E-08	1.36E-10	1.80E-08
8414	470920.49	3819500.47	5.18E-08	2.01E-07	2.66E-09	2.55E-07	4.32E-08	1.48E-07	1.91E-09	1.93E-07	4.89E-09	2.59E-08	4.54E-10	3.12E-08	4.45E-09	1.35E-08	1.37E-10	1.81E-08
8415	470916.75	3819509.27	5.23E-08	2.03E-07	2.68E-09	2.58E-07	4.35E-08	1.49E-07	1.93E-09	1.94E-07	4.93E-09	2.61E-08	4.58E-10	3.15E-08	4.49E-09	1.37E-08	1.39E-10	1.83E-08
8416	470913	3819518.07	5.27E-08	2.04E-07	2.71E-09	2.60E-07	4.39E-08	1.50E-07	1.94E-09	1.96E-07	4.97E-09	2.63E-08	4.62E-10	3.17E-08	4.52E-09	1.38E-08	1.40E-10	1.84E-08
8417	470909.25	3819526.87	5.31E-08	2.06E-07	2.73E-09	2.62E-07	4.42E-08	1.51E-07	1.96E-09	1.97E-07	5.01E-09	2.65E-08	4.65E-10	3.20E-08	4.55E-09	1.39E-08	1.41E-10	1.86E-08
8418	470905.51	3819535.66	5.34E-08	2.07E-07	2.74E-09	2.63E-07	4.45E-08	1.52E-07	1.97E-09	1.99E-07	5.04E-09	2.67E-08	4.68E-10	3.22E-08	4.58E-09	1.40E-08	1.42E-10	1.87E-08
8419	470901.76	3819544.46	5.37E-08	2.08E-07	2.76E-09	2.65E-07	4.48E-08	1.53E-07	1.98E-09	2.00E-07	5.07E-09	2.68E-08	4.71E-10	3.24E-08	4.61E-09	1.40E-08	1.42E-10	1.88E-08
8420	470898.01	3819553.26	5.40E-08	2.10E-07	2.78E-09	2.66E-07	4.50E-08	1.54E-07	1.99E-09	2.01E-07	5.10E-09	2.70E-08	4.73E-10	3.25E-08	4.64E-09	1.41E-08	1.43E-10	1.89E-08
8421	470894.27	3819562.06	5.43E-08	2.11E-07	2.79E-09	2.68E-07	4.52E-08	1.55E-07	2.00E-09	2.02E-07	5.13E-09	2.71E-08	4.76E-10	3.27E-08	4.66E-09	1.42E-08	1.44E-10	1.90E-08
8422	470890.52	3819570.85	5.45E-08	2.11E-07	2.80E-09	2.69E-07	4.54E-08	1.55E-07	2.01E-09	2.03E-07	5.15E-09	2.72E-08	4.78E-10	3.28E-08	4.68E-09	1.43E-08	1.45E-10	1.91E-08
8423	470886.77	3819579.65	5.47E-08	2.12E-07	2.81E-09	2.70E-07	4.56E-08	1.56E-07	2.02E-09	2.04E-07	5.17E-09	2.73E-08	4.80E-10	3.30E-08	4.70E-09	1.43E-08	1.45E-10	1.91E-08
8424	470883.03	3819588.45	5.49E-08	2.13E-07	2.82E-09	2.71E-07	4.57E-08	1.56E-07	2.02E-09	2.04E-07	5.18E-09	2.74E-08	4.81E-10	3.31E-08	4.71E-09	1.44E-08	1.46E-10	1.92E-08
8425	470879.28	3819597.24	5.50E-08	2.13E-07	2.83E-09	2.71E-07	4.58E-08	1.57E-07	2.03E-09	2.05E-07	5.20E-09	2.75E-08	4.82E-10	3.32E-08	4.72E-09	1.44E-08	1.46E-10	1.93E-08
8426	470864.3	3819632.43	5.53E-08	2.14E-07	2.84E-09	2.72E-07	4.60E-08	1.58E-07	2.04E-09	2.06E-07	5.22E-09	2.76E-08	4.84E-10	3.33E-08	4.74E-09	1.44E-08	1.47E-10	1.93E-08
8427	470860.55	3819641.23	5.53E-08	2.14E-07	2.84E-09	2.72E-07	4.60E-08	1.57E-07	2.04E-09	2.06E-07	5.22E-09	2.76E-08	4.84E-10	3.33E-08	4.74E-09	1.44E-08	1.46E-10	1.93E-08
8428	470856.8	3819650.03	5.52E-08	2.14E-07	2.84E-09	2.72E-07	4.60E-08	1.57E-07	2.04E-09	2.05E-07	5.21E-09	2.76E-08	4.84E-10	3.33E-08	4.74E-09	1.44E-08	1.46E-10	1.93E-08
8429	470853.06	3819658.82	5.51E-08	2.14E-07	2.83E-09	2.72E-07	4.59E-08	1.57E-07	2.03E-09	2.05E-07	5.21E-09	2.75E-08	4.83E-10	3.32E-08	4.73E-09	1.44E-08	1.46E-10	1.93E-08
8430	470849.31	3819667.62	5.51E-08	2.14E-07	2.83E-09	2.71E-07	4.59E-08	1.57E-07	2.03E-09	2.05E-07	5.20E-09	2.75E-08	4.82E-10	3.32E-08	4.73E-09	1.44E-08	1.46E-10	1.93E-08
8431	470845.56	3819676.42	5.49E-08	2.13E-07	2.82E-09	2.71E-07	4.58E-08	1.57E-07	2.03E-09	2.04E-07	5.19E-09	2.74E-08	4.81E-10	3.31E-08	4.72E-09	1.44E-08	1.46E-10	1.92E-08
8432	470841.82	3819685.22	5.48E-08	2.13E-07	2.82E-09	2.70E-07	4.56E-08	1.56E-07	2.02E-09	2.04E-07	5.17E-09	2.74E-08	4.80E-10	3.30E-08	4.70E-09	1.43E-08	1.45E-10	1.92E-08
8433	470838.07	3819694.01	5.46E-08	2.12E-07	2.81E-09	2.69E-07	4.55E-08	1.56E-07	2.01E-09	2.03E-07	5.16E-09	2.73E-08	4.79E-10	3.29E-08	4.69E-09	1.43E-08	1.45E-10	1.91E-08
8434	470834.32	3819702.81	5.45E-08	2.11E-07	2.80E-09	2.68E-07	4.54E-08	1.55E-07	2.01E-09	2.03E-07	5.14E-09	2.72E-08	4.77E-10	3.28E-08	4.68E-09	1.42E-08	1.44E-10	1.91E-08
8435	470830.58	3819711.61	5.43E-08	2.10E-07	2.79E-09	2.68E-07	4.52E-08	1.55E-07	2.00E-09	2.02E-07	5.12E-09	2.71E-08	4.76E-10	3.27E-08	4.66E-09	1.42E-08	1.44E-10	1.90E-08
8436	470826.83	3819720.4	5.41E-08	2.10E-07	2.78E-09	2.66E-07	4.50E-08	1.54E-07	1.99E-09	2.01E-07	5.10E-09	2.70E-08	4.74E-10	3.26E-08	4.64E-09	1.41E-08	1.43E-10	1.89E-08
8437	470403.25	3820057.55	7.12E-08	2.76E-07	3.66E-09	3.51E-07	5.93E-08	2.03E-07	2.62E-09	2.65E-07	6.72E-09	3.55E-08	6.23E-10	4.29E-08	6.11E-09	1.86E-08	1.89E-10	2.49E-08
8438	470394.37	3820061.1	7.18E-08	2.78E-07	3.69E-09	3.54E-07	5.98E-08	2.05E-07	2.65E-09	2.67E-07	6.78E-09	3.58E-08	6.29E-10	4.33E-08	6.16E-09	1.88E-08	1.90E-10	2.51E-08
8439	470385.49	3820064.65	7.24E-08	2.81E-07	3.72E-09	3.57E-07	6.03E-08	2.06E-07	2.67E-09	2.69E-07	6.84E-09	3.62E-08	6.35E-10	4.36E-08	6.22E-09	1.89E-08	1.92E-10	2.53E-08
8440	470376.61	3820068.19	7.30E-08	2.83E-07	3.75E-09	3.60E-07	6.08E-08	2.08E-07	2.69E-09	2.72E-07	6.89E-09	3.64E-08	6.40E-10	4.40E-08	6.27E-09	1.91E-08	1.94E-10	2.55E-08
8441	470367.73	3820071.74	7.35E-08	2.85E-07	3.78E-09	3.63E-07	6.13E-08	2.10E-07	2.71E-09	2.74E-07	6.94E-09	3.67E-08	6.44E-10	4.43E-08	6.31E-09	1.92E-08	1.95E-10	2.57E-08
8442	470358.86	3820075.29	7.41E-08	2.87E-07	3.81E-09	3.65E-07	6.17E-08	2.11E-07	2.73E-09	2.75E-07	6.99E-09	3.70E-08	6.49E-10	4.46E-08	6.36E-09	1.94E-08	1.96E-10	2.59E-08
8443	470349.98	3820078.84	7.45E-08	2.89E-07	3.83E-09	3.67E-07	6.21E-08	2.12E-07	2.75E-09	2.77E-07	7.04E-09	3.72E-08	6.53E-10	4.49E-08	6.40E-09	1.95E-08	1.98E-10	2.61E-08
8444	470341.1	3820082.38	7.50E-08	2.91E-07	3.85E-09	3.70E-07	6.25E-08	2.14E-07	2.77E-09	2.79E-07	7.08E-09	3.74E-08	6.57E-10	4.52E-08	6.44E-09	1.96E-08	1.99E-10	2.

8445	470332.22	3820085.93	7.54E-08	2.93E-07	3.88E-09	3.72E-07	6.28E-08	2.15E-07	2.78E-09	2.81E-07	7.12E-09	3.77E-08	6.61E-10	4.54E-08	6.48E-09	1.97E-08	2.00E-10	2.64E-08
8446	470323.34	3820089.48	7.58E-08	2.94E-07	3.90E-09	3.74E-07	6.32E-08	2.16E-07	2.80E-09	2.82E-07	7.16E-09	3.79E-08	6.65E-10	4.57E-08	6.51E-09	1.98E-08	2.01E-10	2.65E-08
8447	470314.46	3820093.03	7.62E-08	2.96E-07	3.92E-09	3.76E-07	6.35E-08	2.17E-07	2.81E-09	2.84E-07	7.20E-09	3.81E-08	6.68E-10	4.59E-08	6.54E-09	1.99E-08	2.02E-10	2.67E-08
8448	470305.58	3820096.58	7.66E-08	2.97E-07	3.94E-09	3.78E-07	6.38E-08	2.18E-07	2.82E-09	2.85E-07	7.23E-09	3.82E-08	6.71E-10	4.61E-08	6.58E-09	2.00E-08	2.03E-10	2.68E-08
8449	470939.23	3819456.49	4.92E-08	1.91E-07	2.53E-09	2.43E-07	4.10E-08	1.40E-07	1.82E-09	1.83E-07	4.65E-09	2.46E-08	4.31E-10	2.97E-08	4.23E-09	1.29E-08	1.31E-10	1.72E-08
8450	470939.31	3819446.84	4.91E-08	1.91E-07	2.52E-09	2.42E-07	4.09E-08	1.40E-07	1.81E-09	1.83E-07	4.64E-09	2.45E-08	4.31E-10	2.96E-08	4.22E-09	1.28E-08	1.30E-10	1.72E-08
8451	470939.39	3819437.19	4.90E-08	1.90E-07	2.52E-09	2.42E-07	4.08E-08	1.40E-07	1.81E-09	1.82E-07	4.63E-09	2.45E-08	4.30E-10	2.95E-08	4.21E-09	1.28E-08	1.30E-10	1.72E-08
8452	470939.47	3819427.54	4.89E-08	1.89E-07	2.51E-09	2.41E-07	4.07E-08	1.39E-07	1.80E-09	1.82E-07	4.61E-09	2.44E-08	4.28E-10	2.94E-08	4.19E-09	1.28E-08	1.30E-10	1.71E-08
8453	470939.56	3819417.9	4.87E-08	1.89E-07	2.50E-09	2.40E-07	4.05E-08	1.39E-07	1.79E-09	1.81E-07	4.59E-09	2.43E-08	4.26E-10	2.93E-08	4.18E-09	1.27E-08	1.29E-10	1.70E-08
8454	470939.64	3819408.25	4.84E-08	1.88E-07	2.49E-09	2.39E-07	4.03E-08	1.38E-07	1.79E-09	1.80E-07	4.57E-09	2.42E-08	4.24E-10	2.92E-08	4.16E-09	1.27E-08	1.28E-10	1.69E-08
8455	470939.72	3819398.6	4.81E-08	1.87E-07	2.47E-09	2.37E-07	4.01E-08	1.37E-07	1.78E-09	1.79E-07	4.55E-09	2.40E-08	4.22E-10	2.90E-08	4.13E-09	1.26E-08	1.28E-10	1.68E-08
8456	470939.8	3819388.95	4.78E-08	1.86E-07	2.46E-09	2.36E-07	3.98E-08	1.36E-07	1.76E-09	1.78E-07	4.52E-09	2.39E-08	4.19E-10	2.88E-08	4.11E-09	1.25E-08	1.27E-10	1.67E-08
8457	470939.89	3819379.3	4.75E-08	1.84E-07	2.44E-09	2.34E-07	3.95E-08	1.35E-07	1.75E-09	1.77E-07	4.48E-09	2.37E-08	4.16E-10	2.86E-08	4.08E-09	1.24E-08	1.26E-10	1.66E-08
8458	470939.97	3819369.66	4.71E-08	1.83E-07	2.42E-09	2.32E-07	3.92E-08	1.34E-07	1.74E-09	1.75E-07	4.45E-09	2.35E-08	4.13E-10	2.84E-08	4.04E-09	1.23E-08	1.25E-10	1.65E-08
8459	470940.05	3819360.01	4.66E-08	1.81E-07	2.40E-09	2.30E-07	3.89E-08	1.33E-07	1.72E-09	1.73E-07	4.40E-09	2.33E-08	4.09E-10	2.81E-08	4.00E-09	1.22E-08	1.24E-10	1.63E-08
8460	470940.14	3819350.36	4.62E-08	1.79E-07	2.37E-09	2.28E-07	3.85E-08	1.32E-07	1.70E-09	1.72E-07	4.36E-09	2.30E-08	4.05E-10	2.78E-08	3.96E-09	1.21E-08	1.22E-10	1.62E-08
8461	470940.22	3819340.71	4.57E-08	1.77E-07	2.35E-09	2.25E-07	3.80E-08	1.30E-07	1.68E-09	1.70E-07	4.31E-09	2.28E-08	4.00E-10	2.75E-08	3.92E-09	1.19E-08	1.21E-10	1.60E-08
8462	470940.3	3819331.06	4.51E-08	1.75E-07	2.32E-09	2.22E-07	3.76E-08	1.29E-07	1.66E-09	1.68E-07	4.26E-09	2.25E-08	3.95E-10	2.72E-08	3.87E-09	1.18E-08	1.20E-10	1.58E-08
8463	470940.38	3819321.41	4.45E-08	1.73E-07	2.29E-09	2.19E-07	3.71E-08	1.27E-07	1.64E-09	1.66E-07	4.20E-09	2.22E-08	3.90E-10	2.68E-08	3.82E-09	1.16E-08	1.18E-10	1.56E-08
8464	470940.47	3819311.77	4.39E-08	1.70E-07	2.25E-09	2.16E-07	3.66E-08	1.25E-07	1.62E-09	1.63E-07	4.14E-09	2.19E-08	3.85E-10	2.64E-08	3.77E-09	1.15E-08	1.16E-10	1.54E-08
8465	470940.55	3819302.12	4.32E-08	1.68E-07	2.22E-09	2.13E-07	3.60E-08	1.23E-07	1.59E-09	1.61E-07	4.08E-09	2.16E-08	3.79E-10	2.60E-08	3.71E-09	1.13E-08	1.15E-10	1.51E-08
8466	470940.63	3819292.47	4.25E-08	1.65E-07	2.18E-09	2.10E-07	3.54E-08	1.21E-07	1.57E-09	1.58E-07	4.01E-09	2.12E-08	3.73E-10	2.56E-08	3.65E-09	1.11E-08	1.13E-10	1.49E-08
8467	470940.71	3819282.82	4.18E-08	1.62E-07	2.15E-09	2.06E-07	3.48E-08	1.19E-07	1.54E-09	1.55E-07	3.95E-09	2.09E-08	3.66E-10	2.52E-08	3.59E-09	1.09E-08	1.11E-10	1.46E-08
8468	470940.8	3819273.17	4.10E-08	1.59E-07	2.11E-09	2.02E-07	3.42E-08	1.17E-07	1.51E-09	1.53E-07	3.87E-09	2.05E-08	3.59E-10	2.47E-08	3.52E-09	1.07E-08	1.09E-10	1.44E-08
8469	470940.88	3819263.53	4.02E-08	1.56E-07	2.07E-09	1.98E-07	3.35E-08	1.15E-07	1.48E-09	1.50E-07	3.80E-09	2.01E-08	3.52E-10	2.42E-08	3.45E-09	1.05E-08	1.07E-10	1.41E-08
8470	470940.96	3819253.88	3.94E-08	1.53E-07	2.02E-09	1.94E-07	3.28E-08	1.12E-07	1.45E-09	1.47E-07	3.72E-09	1.97E-08	3.45E-10	2.37E-08	3.38E-09	1.03E-08	1.04E-10	1.38E-08
8471	470941.05	3819244.23	3.86E-08	1.50E-07	1.98E-09	1.90E-07	3.21E-08	1.10E-07	1.42E-09	1.43E-07	3.64E-09	1.93E-08	3.38E-10	2.32E-08	3.31E-09	1.01E-08	1.02E-10	1.35E-08
8472	470975.46	3819465.66	4.46E-08	1.73E-07	2.29E-09	2.20E-07	3.72E-08	1.27E-07	1.65E-09	1.66E-07	4.21E-09	2.23E-08	3.91E-10	2.69E-08	3.83E-09	1.17E-08	1.18E-10	1.56E-08
8473	470971.7	3819474.49	4.51E-08	1.75E-07	2.32E-09	2.22E-07	3.76E-08	1.29E-07	1.66E-09	1.68E-07	4.26E-09	2.25E-08	3.95E-10	2.72E-08	3.87E-09	1.18E-08	1.20E-10	1.58E-08
8474	470967.94	3819483.32	4.56E-08	1.77E-07	2.34E-09	2.25E-07	3.80E-08	1.30E-07	1.68E-09	1.69E-07	4.30E-09	2.28E-08	3.99E-10	2.75E-08	3.91E-09	1.19E-08	1.21E-10	1.59E-08
8475	470964.18	3819492.15	4.60E-08	1.78E-07	2.36E-09	2.27E-07	3.83E-08	1.31E-07	1.70E-09	1.71E-07	4.34E-09	2.30E-08	4.03E-10	2.77E-08	3.95E-09	1.20E-08	1.22E-10	1.61E-08
8476	470960.42	3819500.98	4.64E-08	1.80E-07	2.39E-09	2.29E-07	3.87E-08	1.32E-07	1.71E-09	1.73E-07	4.38E-09	2.32E-08	4.07E-10	2.80E-08	3.99E-09	1.21E-08	1.23E-10	1.62E-08
8477	470956.66	3819509.81	4.68E-08	1.82E-07	2.41E-09	2.31E-07	3.90E-08	1.33E-07	1.73E-09	1.74E-07	4.42E-09	2.34E-08	4.10E-10	2.82E-08	4.02E-09	1.22E-08	1.24E-10	1.64E-08
8478	470952.9	3819518.65	4.72E-08	1.83E-07	2.43E-09	2.33E-07	3.93E-08	1.35E-07	1.74E-09	1.76E-07	4.46E-09	2.36E-08	4.14E-10	2.84E-08	4.05E-09	1.23E-08	1.25E-10	1.65E-08
8479	470949.14	3819527.48	4.76E-08	1.85E-07	2.44E-09	2.35E-07	3.96E-08	1.36E-07	1.75E-09	1.77E-07	4.49E-09	2.38E-08	4.17E-10	2.87E-08	4.08E-09	1.24E-08	1.26E-10	1.66E-08
8480	470945.38	3819536.31	4.79E-08	1.86E-07	2.46E-09	2.36E-07	3.99E-08	1.37E-07	1.77E-09	1.78E-07	4.52E-09	2.39E-08	4.20E-10	2.89E-08	4.11E-09	1.25E-08	1.27E-10	1.68E-08
8481	470941.62	3819545.14	4.82E-08	1.87E-07	2.48E-09	2.38E-07	4.02E-08	1.37E-07	1.78E-09	1.79E-07	4.55E-09	2.41E-08	4.23E-10	2.90E-08	4.14E-09	1.26E-08	1.28E-10	1.69E-08
8482	470937.86	3819553.97	4.85E-08	1.88E-07	2.49E-09	2.39E-07	4.04E-08	1.38E-07	1.79E-09	1.80E-07	4.58E-09	2.42E-08	4.25E-10	2.92E-08	4.16E-09	1.27E-08	1.29E-10	1.70E-08
8483	470934.1	3819562.8	4.88E-08	1.89E-07	2.51E-09	2.40E-07	4.06E-08	1.39E-07	1.80E-09	1.81E-07	4.61E-09	2.43E-08	4.27E-10	2.94E-08	4.19E-09	1.27E-08	1.29E-10	1.71E-08
8484	470930.34	3819571.63	4.90E-08	1.90E-07	2.52E-09	2.42E-07	4.08E-08	1.40E-07	1.81E-09	1.82E-07	4.63E-09	2.45E-08	4.29E-10	2.95E-08	4.21E-09	1.28E-08	1.30E-10	1.71E-08
8485	470926.57	3819580.46	4.92E-08	1.91E-07	2.53E-09	2.43E-07	4.10E-08	1.40E-07	1.82E-09	1.83E-07	4.65E-09	2.46E-08	4.31E-10	2.96E-08	4.22E-09	1.29E-08	1.30E-10	1.72E-08
8486	470922.81	3819589.29	4.94E-08	1.92E-07	2.54E-09	2.44E-07	4.11E-08	1.41E-07	1.82E-09	1.84E-07	4.66E-09	2.47E-08	4.33E-10	2.98E-08	4.24E-09	1.29E-08	1.31E-10	1.73E-08
8487	470919.05	3819598.12	4.96E-08	1.92E-07	2.55E-09	2.44E-07	4.13E-08	1.41E-07	1.83E-09	1.84E-07	4.68E-09	2.47E-08	4.34E-10	2.99E-08	4.25E-09	1.30E-08	1.31E-10	1.73E-08
8488	470915.29	3819606.95	4.97E-08	1.93E-07	2.55E-09	2.45E-07	4.14E-08	1.42E-07	1.83E-09	1.85E-07	4.69E-09	2.48E-08	4.35E-10	2.99E-08	4.27E-09	1.30E-08	1.32E-10	1.74E-08
8489	470911.53	3819615.78	4.98E-08	1.93E-07	2.56E-09	2.46E-07	4.15E-08	1.42E-07	1.84E-09	1.85E-07	4.70E-09	2.49E-08	4.36E-10	3.00E-08	4.28E-09	1.30E-08	1.32E-10	1.74E-08
8490	470907.77	3819624.61	4.99E-08	1.93E-07	2.56E-09	2.46E-07	4.15E-08	1.42E-07	1.84E-09	1.86E-07	4.71E-09	2.49E-08	4.37E-10	3.01E-08	4.28E-09	1.30E-08	1.32E-10	1.75E-08
8491	470896.49	3819651.1	5.00E-08	1.94E-07	2.57E-09	2.46E-07	4.16E-08	1.42E-07	1.84E-09	1.86E-07	4.72E-09	2.49E-08	4.38E-10	3.01E-08	4.29E-09	1.31E-08	1.32E-10	1.75E-08
8492	470892.73	3819659.93	4.99E-08	1.94E-07	2.57E-09	2.46E-07	4.16E-08	1.42E-07	1.84E-09	1.86E-07	4.72E-09	2.49E-08	4.38E-10	3.01E-08	4.29E-09	1.31E-08	1.32E-10	1.75E-08
8493	470888.97	3819668.76	4.99E-08	1.94E-07	2.56E-09	2.46E-07	4.16E-08	1.42E-07	1.84E-09	1.86E-07	4.71E-09	2.49E-08	4.37E-10	3.01E-08	4.28E-09	1.30E-08	1.32E-10	1.75E-08
8494	470885.21	3819677.59	4.98E-08	1.93E-07	2.56E-09	2.46E-07	4.15E-08	1.42E-07	1.84E-09	1.85E-07	4.71E-09	2.49E-08	4.37E-10	3.00E-08	4.28E-09	1.30E-08	1.32E-10	1.74E-08
8495	470881.45	3819686.43	4.98E-08	1.93E-07	2.56E-09	2.45E-07	4.14E-08	1.42E-07	1.84E-09	1.85E-07	4.70E-09	2.48E-08	4.36E-10	3.00E-08	4.27E-09	1.30E-08	1.32E-10	1.74E-08
8496	470877.69	3819695.26	4.97E-08	1.93E-07	2.55E-09	2.45E-07	4.14E-08	1.42E-07	1.83E-09	1.85E-07	4.69E-09	2.48E-08	4.35E-10	2.99E-08	4.26E-09	1.30E-08	1.32E-10	1.74E-08
8497	470873.93	3819704.09	4.95E-08	1.92E-07	2.55E-09	2.44E-07	4.13E-08	1.41E-07	1.83E-09	1.84E-07	4.68E-09	2.47E-08	4.34E-10	2.98E-08	4.25E-09	1.30E-08	1.31E-10	1.73E-08
8498	470870.16	3819712.92	4.94E-08	1.92E-07	2.54E-09	2.44E-07	4.12E-08	1.41E-07	1.82E-09	1.84E-07	4.67E-09	2.47E-08	4.33E-10	2.98E-08	4.24E-09	1.29E-08	1.31E-10	1.73E-08
8499	470866.4	3819721.75	4.93E-08	1.91E-07	2.53E-09	2.43E-07	4.10E-08	1.40E-07	1.82E-09	1.83E-07	4.65E-09	2.46E-08	4.32E-10	2.97E-08	4.23E-09	1.29E-08	1.31E-10	1.72E-08
8500	470862.64	3819730.58	4.91E-08	1.90E-07	2.52E-09	2.42E-07	4.09E-08	1.40E-07	1.81E-09	1.83E-07	4.64E-09	2.45E-08	4.30E-10	2.96E-08	4.21E-09	1.28E-08	1.30E-10	1.72E-08
8501	470858.88	3819739.41	4.89E-08	1.90E-07	2.51E-09	2.41E-07	4.07E-08	1.39E-07	1.80E-09	1.82E-07	4.62E-09	2.44E-08	4.29E-10	2.95E-08	4.20E-09	1.28E-08	1.30E-10	1.71E-08
8502	470855.12	3819748.24	4.87E-08	1.89E-07	2.50E-09	2.40E-07	4.06E-08	1.39E-07	1.80E-09	1.81E-07	4.60E-09	2.43E-08	4.27E-10	2.94E-08	4.18E-09	1.27E-08	1.29E-10	1.70E-08
8503	470851.36	3819757.07	4.85E-08	1.88E-07	2.49E-09	2.39E-07	4.04E-08	1.38E-07	1.79E-09	1.81E-07	4.58E-09	2.42E-08	4.25E-10	2.92E-08	4.17E-09	1.27E-08	1.29E-10	1.70E-08
8504	470581.46	3820026.12	5.17E-08	2.00E-07	2.66E-09	2.55E-07	4.30E-08	1.47E-07	1.91E-09	1.92E-07	4.88E-09	2.58E-08	4.53E-10	3.11E-08	4.44E-09	1.35E-08	1.37E-10	1.81E-08
8505	470572.54	3820029.68	5.23E-08	2.03E-07	2.69E-09	2.58E-07	4.36E-08	1.49E-07	1.93E-09	1.95E-07	4.94E-09	2.61E-08	4.59E-10	3.15E-08	4.49E-09	1.37E-08	1.39E-10	1.83E-08
8506	470563.63	3820033.25	5.30E-08	2.06E-07	2.72E-09	2.61E-07	4.42E-08	1.51E-07	1.96E-09	1.97E-07	5.01E-09	2.65E-08	4.65E-10	3.19E-08	4.55E-09	1.39E-08	1.41E-10	1.86E-08
8507	470554.72	3820036.81	5.37E-08	2.08E-07	2.76E-09	2.65E-07	4.47E-08	1.53E-07	1.98E-09	2.00E-07	5.07E-09	2.68E-08	4.71E-10	3.24E-08	4.61E-09	1.40E-08	1.42E-10	1.88E-08
8508	470545.8	3820040.37	5.44E-08	2.11E-07	2.80E-09	2.68E-07	4.53E-08	1.55E-07	2.01E-09	2.02E-07	5.14E-09	2.72E-08	4.77E-10	3.28E-08	4.67E-09	1.42E-08	1.44E-10	1.90E-08
8509	470536.89	3820043.93	5.51E-08	2.14E-07	2.83E-09	2.72E-07	4.59E-08	1.57E-07	2.03E-09	2.05E-07	5.20E-09	2.75E-08	4.83E-10	3.32E-08	4.73E-09	1.44E-08	1.46E-10	1.93E-08
8510	470527.98	3820047.49	5.59E-08	2.17E-07	2.87E-09	2.75E-07	4.65E-08	1.59E-07	2.06E-09	2.08E-07	5.27E-09	2.79E-08	4.89E-10	3.37E-08	4.80E-09	1.46E-08	1.48E-10	1.95E-08
8511	470519.07	3820051.05	5.66E-08	2.20E-07	2.91E-09	2.79E-07	4.72E-08	1.61E-07	2.09E-09	2.11E-07	5.35E-09	2.83E-08	4.96E-10	3.41E-08	4.86E-09	1.48E-08	1.50E-10	1.98E-08
8512	470510.15	3820054.61	5.74E-08	2.23E-07	2.95E-09	2.83E-07	4.78E-08	1.64E-07	2.12E-09	2.13E-07	5.42E-09	2.86E-08	5.03E-10	3.46E-08	4.93E-09	1.50E-08	1.52E-10	2.01E-08
8513	470501.24	3820058.17	5.82E-08	2.26E-07	2.99E-09	2.87E-07	4.84E-08	1.66E-07	2.14E-09	2.16E-07	5.49E-09	2.90E-08	5.10E-10	3.50E-08	4.99E-09	1.52E-08	1.54E-10	2.03E-08
8514	470492.33	3820061.73	5.89E-08	2.28E-07	3.03E-09	2.90E-07	4.91E-08	1.68E-07	2.17E-09	2.19E-07	5.56E-09	2.94E-08	5.16E-10	3.55E-08	5.06E-09	1.54E-08	1.56E-10	2.06E-08
8515	470483.41	3820065.3	5.96E-08	2.31E-07	3.06E-09	2.94E-07	4.97E-08	1.70E-07	2.20E-09	2.22E-07	5.63E-09	2.98E-08	5.23E-10	3.59E-08	5.12E-09	1.56E-08	1.58E-10	2.09E-08
8516	470474.5	3820068.86	6.04E-08	2.34E-07	3.10E-09	2.98E-07	5.03E-08	1.72E-07	2.23E-09	2.25E-07	5.70E-09	3.01E-08	5.29E-10	3.64E-08	5.18E-09	1.58E-08	1.60E-10	2.11E-08
8517	470465.59	3820072.42	6.11E-08	2.37E-07	3.14E-09	3.01E-07	5.09E-08	1.74E-07	2.25E-09	2.27E-07	5.77E-09	3.05E-08	5.35E-10	3.68E-08	5.24E-09	1.60E-08	1.62E-10	2.14E-08
8518	470456.68	3820075.98	6.18E-08	2.40E-07	3.18E-09	3.05E-07	5.15E-08	1.76E-07	2.28E-09	2.30E-07	5.84E-09	3.09E-08	5.42E-10	3.72E-08	5.31E-09	1.62E-08	1.64E-10	2.16E-08
8519	470447.76	3820079.54	6.25E-08	2.42E-07	3.21E-09	3.08E-07	5.21E-08	1.78E-07	2.31E-09	2.32E-07	5.90E-09	3.12E-08	5.48E-10	3.77E-08	5.37E-09	1.63E-08	1.66E-10	2.19E-08
8520	470438.85	3820083.1	6.32E-08	2.45E-07	3.25E-09	3.11E-07	5.26E-08	1.80E-07	2.33E-09	2.35E-07	5.97E-09	3.15E-08	5.54E-10	3.81E-08	5.42E-09	1.65E-08	1.67E-10	2.21E-08
8521	470429.94	3820086.66	6.38E-08	2.48E-07	3.28E-09	3.15E-07	5.32E-08	1.82E-07	2.35E-09	2.37E-07	6.03E-09	3.19E-08	5.59E-10	3.85E-08	5.48E-09	1.67E-08	1.69E-10	2.23E-08
8522	470421.02	3820090.22	6.44E-08	2.50E-07	3.31E-09	3.18E-07	5.37E-08	1.84E-07	2.38E-09	2.40E-07	6.09E-09	3.22E-08	5.65E-10	3.88E-08	5.53E-09	1.68E-08	1.71E-10	2.26E-08
8523	470412.11	3820093.78	6.50E-08	2.52E-07	3.34E-09	3.21E-07	5.42E-08	1.85E-07	2.40E-09	2.42E-07	6.14E-09	3.25E-08	5.70E-10	3.92E-08	5.58E-09	1.70E-08	1.72E-10	2.28E-08
8524	470403.2	3820097.35	6.56E-08	2.54E-07	3.37E-09	3.23E-07	5.46E-08	1.87E-07	2.42E-09	2.44E-07	6.19E-09	3.27E-08	5.75E-10	3.95E-08	5.63E-09	1.71E-08	1.74E-10	2.30E-08
8525	470394.29	3820100.91	6.61E-08	2.56E-07	3.40E-09	3.26E-07	5.51E-08	1.88E-07	2.44E-09	2.46E-07	6.24E-09	3.30E-08	5.79E-10	3.98E-08	5.68E-09	1.73E-08	1.75E-10	2.31E-08
8526	470385.37	3820104.47	6.66E-08	2.58E-07	3.42E-09	3.28E-07	5.55E-08	1.90E-07	2.46E-09	2.48E-07	6.29E-09	3.33E-08	5.84E-10	4.01E-08	5.72E-09	1.74E-08	1.77E-10	2.33E-08
8527	470376.46	3820108.03	6.71E-08	2.60E-07	3.45E-09	3.31E-07	5.59E-08	1.91E-07	2.47E-09	2.49E-07	6.33E-09	3.35E-08	5.88E-10	4.04E-08	5.76E-09	1.75E-08	1.78E-10	2.35E-08
8528	470367.55	3820111.59	6.75E-08	2.62E-07	3.47E-09	3.33E-07	5.62E-08	1.92E-07	2.49E-09	2.51E-07	6.37E-09	3.37E-08	5.91E-10	4.07E-08	5.79E-09	1.76E-08	1.79E-10	2.36E-08
8529	470358.63	3820115.15	6.79E-08	2.63E-07	3.49E-09	3.35E-07	5.66E-08	1.93E-07	2.50E-09	2.53E-07	6.41E-09	3.39E-08	5.95E-10	4.09E-08	5.83E-09	1.77E-08	1.80E-10	2.38E-08
8530	470349.72	3820118.71	6.83E-08	2.65E-07	3.51E-09	3.37E-07	5.69E-08	1.95E-07	2.52E-09	2.54E-07	6.45E-09	3.41E-08	5.98E-10	4.11E-08	5.86E-09	1.78E-08	1.81E-10	2.39E-08
8531	470340.81	3820122.27	6.86E-08	2.66E-07	3.53E-09	3.38E-07	5.72E-08	1.96E-07	2.53E-09	2.55E-07	6.48E-09	3.43E-08	6.01E-10	4.13E-08	5.89E-09	1.79E-08	1.82E-10	2.40E-08
8532	470331.9	3820125.83	6.90E-08	2.68E-07	3.54E-09	3.40E-07	5.74E-08	1.97E-07	2.54E-09	2.57E-07	6.51E-09	3.44E-08	6.04E-10	4.16E-08	5.92E-09	1.80E-08	1.83E-10	2.41E-08
8533	470322.98	3820129.4	6.93E-08	2.69E-07	3.56E-09	3.42E-07	5.77E-08	1.98E-07	2.56E-09	2.58E-07	6.54E-09	3.46E-08	6.07E-10	4.18E-08	5.95E-09	1.81E-08	1.84E-10	2.43E-08
8534	470314.07	3820132.96	6.96E-08	2.70E-07	3.58E-09	3.43E-07	5.80E-08	1.98E-07	2.57E-09	2.59E-07	6.58E-09	3.48E-08	6.10E-10	4.20E-08	5.98E-09	1.82E-08	1.85E-10	2.44E-08
8535	470305.16	3820136.52	7.00E-08	2.71E-07	3.59E-09	3.45E-07	5.83E-08	1.99E-07	2.58E-09	2.60E-07	6.61E-09	3.49E-08	6.13E-10	4.21E-08	6.01E-09	1.83E-08	1.85E-10	2.45E-08
8536	470296.24	3820140.08	7.03E-08	2.72E-07	3.61E-09	3.46E-07	5.85E-08	2.00E-07	2.59E-09	2.61E-07	6.63E-09	3.51E-08	6.16E-10	4.23E-08	6.03E-09	1.84E-08	1.86E-10	2.46E-08
8537	470979.22	3819456.83	4.41E-08	1.71E-07	2.27E-09	2.18E-07	3.68E-08	1.26E-07	1.63E-09	1.64E-07	4.17E-09	2.20E-08	3.87E-10	2.66E-08	3.79E-09	1.15E-08	1.17E-10	1.54E-08
8538	470979.31	3819447.18	4.40E-08	1.71E-07	2.26E-09	2.17E-07	3.67E-08	1.25E-07	1.62E-09	1.64E-07	4.16E-09	2.20E-08	3.86E-10	2.65E-08	3.78E-09	1.15E-08	1.17E-10	1.54E-08
8539	470979.39	3819437.54	4.39E-08	1.70E-07	2.26E-09	2.16E-07	3.66E-08	1.25E-07	1.62E-09	1.63E-07	4.15E-09	2.19E-08	3.85E-10	2.65E-08	3.77E-09	1.15E-08	1.16E-10	1.54E-08
8540	470979.47	3819427.89	4.38E-08	1.70E-07	2.25E-09	2.16E-07	3.64E-08	1.25E-07	1.61E-09	1.63E-07	4.13E-09	2.18E-08	3.83E-10	2.64E-08	3.76E-09	1.14E-08	1.16E-10

8541	470979.56	3819418.24	4.36E-08	1.69E-07	2.24E-09	2.15E-07	3.63E-08	1.24E-07	1.61E-09	1.62E-07	4.12E-09	2.18E-08	3.82E-10	2.63E-08	3.74E-09	1.14E-08	1.16E-10	1.52E-08
8542	470979.64	3819408.59	4.34E-08	1.68E-07	2.23E-09	2.14E-07	3.61E-08	1.24E-07	1.60E-09	1.61E-07	4.10E-09	2.17E-08	3.80E-10	2.61E-08	3.72E-09	1.13E-08	1.15E-10	1.52E-08
8543	470979.72	3819398.94	4.31E-08	1.67E-07	2.22E-09	2.13E-07	3.59E-08	1.23E-07	1.59E-09	1.60E-07	4.07E-09	2.15E-08	3.78E-10	2.60E-08	3.70E-09	1.13E-08	1.14E-10	1.51E-08
8544	470979.8	3819389.29	4.29E-08	1.66E-07	2.20E-09	2.11E-07	3.57E-08	1.22E-07	1.58E-09	1.59E-07	4.05E-09	2.14E-08	3.76E-10	2.58E-08	3.68E-09	1.12E-08	1.14E-10	1.50E-08
8545	470979.89	3819379.65	4.25E-08	1.65E-07	2.19E-09	2.10E-07	3.54E-08	1.21E-07	1.57E-09	1.58E-07	4.02E-09	2.12E-08	3.73E-10	2.56E-08	3.65E-09	1.11E-08	1.13E-10	1.49E-08
8546	470979.97	3819370	4.22E-08	1.64E-07	2.17E-09	2.08E-07	3.52E-08	1.20E-07	1.56E-09	1.57E-07	3.99E-09	2.11E-08	3.70E-10	2.54E-08	3.62E-09	1.10E-08	1.12E-10	1.48E-08
8547	470980.05	3819360.35	4.18E-08	1.62E-07	2.15E-09	2.06E-07	3.48E-08	1.19E-07	1.54E-09	1.56E-07	3.95E-09	2.09E-08	3.67E-10	2.52E-08	3.59E-09	1.09E-08	1.11E-10	1.46E-08
8548	470980.13	3819350.7	4.14E-08	1.61E-07	2.13E-09	2.04E-07	3.45E-08	1.18E-07	1.53E-09	1.54E-07	3.91E-09	2.07E-08	3.63E-10	2.50E-08	3.56E-09	1.08E-08	1.10E-10	1.45E-08
8549	470980.22	3819341.05	4.10E-08	1.59E-07	2.11E-09	2.02E-07	3.41E-08	1.17E-07	1.51E-09	1.52E-07	3.87E-09	2.05E-08	3.59E-10	2.47E-08	3.52E-09	1.07E-08	1.09E-10	1.43E-08
8550	470980.3	3819331.41	4.05E-08	1.57E-07	2.08E-09	2.00E-07	3.37E-08	1.15E-07	1.49E-09	1.51E-07	3.83E-09	2.02E-08	3.55E-10	2.44E-08	3.48E-09	1.06E-08	1.07E-10	1.42E-08
8551	470980.38	3819321.76	4.00E-08	1.55E-07	2.06E-09	1.97E-07	3.33E-08	1.14E-07	1.48E-09	1.49E-07	3.78E-09	2.00E-08	3.51E-10	2.41E-08	3.43E-09	1.05E-08	1.06E-10	1.40E-08
8552	470980.47	3819312.11	3.95E-08	1.53E-07	2.03E-09	1.95E-07	3.29E-08	1.12E-07	1.46E-09	1.47E-07	3.73E-09	1.97E-08	3.46E-10	2.38E-08	3.39E-09	1.03E-08	1.05E-10	1.38E-08
8553	470980.55	3819302.46	3.89E-08	1.51E-07	2.00E-09	1.92E-07	3.24E-08	1.11E-07	1.43E-09	1.45E-07	3.67E-09	1.94E-08	3.41E-10	2.34E-08	3.34E-09	1.02E-08	1.03E-10	1.36E-08
8554	470980.63	3819292.81	3.83E-08	1.49E-07	1.97E-09	1.89E-07	3.19E-08	1.09E-07	1.41E-09	1.42E-07	3.62E-09	1.91E-08	3.36E-10	2.31E-08	3.29E-09	1.00E-08	1.02E-10	1.34E-08
8555	470980.71	3819283.16	3.77E-08	1.46E-07	1.94E-09	1.86E-07	3.14E-08	1.07E-07	1.39E-09	1.40E-07	3.56E-09	1.88E-08	3.30E-10	2.27E-08	3.24E-09	9.85E-09	9.99E-11	1.32E-08
8556	470980.8	3819273.52	3.70E-08	1.44E-07	1.90E-09	1.83E-07	3.08E-08	1.06E-07	1.37E-09	1.38E-07	3.50E-09	1.85E-08	3.25E-10	2.23E-08	3.18E-09	9.68E-09	9.82E-11	1.30E-08
8557	470980.88	3819263.87	3.64E-08	1.41E-07	1.87E-09	1.79E-07	3.03E-08	1.04E-07	1.34E-09	1.35E-07	3.43E-09	1.82E-08	3.19E-10	2.19E-08	3.12E-09	9.51E-09	9.64E-11	1.27E-08
8558	470980.96	3819254.22	3.57E-08	1.38E-07	1.83E-09	1.76E-07	2.97E-08	1.02E-07	1.32E-09	1.33E-07	3.37E-09	1.78E-08	3.13E-10	2.15E-08	3.06E-09	9.32E-09	9.46E-11	1.25E-08
8559	470981.04	3819244.57	3.50E-08	1.36E-07	1.80E-09	1.72E-07	2.91E-08	9.96E-08	1.29E-09	1.30E-07	3.30E-09	1.75E-08	3.06E-10	2.11E-08	3.00E-09	9.14E-09	9.27E-11	1.22E-08
8560	471055.5	3819466.26	3.64E-08	1.41E-07	1.87E-09	1.79E-07	3.03E-08	1.04E-07	1.34E-09	1.35E-07	3.44E-09	1.82E-08	3.19E-10	2.19E-08	3.12E-09	9.51E-09	9.65E-11	1.27E-08
8561	471051.77	3819475.01	3.68E-08	1.43E-07	1.89E-09	1.81E-07	3.06E-08	1.05E-07	1.36E-09	1.37E-07	3.47E-09	1.84E-08	3.22E-10	2.21E-08	3.16E-09	9.61E-09	9.75E-11	1.29E-08
8562	471048.05	3819483.76	3.71E-08	1.44E-07	1.91E-09	1.83E-07	3.09E-08	1.06E-07	1.37E-09	1.38E-07	3.51E-09	1.85E-08	3.25E-10	2.24E-08	3.19E-09	9.70E-09	9.84E-11	1.30E-08
8563	471044.32	3819492.5	3.75E-08	1.45E-07	1.93E-09	1.85E-07	3.12E-08	1.07E-07	1.38E-09	1.39E-07	3.54E-09	1.87E-08	3.28E-10	2.26E-08	3.22E-09	9.80E-09	9.94E-11	1.31E-08
8564	471040.6	3819501.25	3.78E-08	1.47E-07	1.94E-09	1.86E-07	3.15E-08	1.08E-07	1.39E-09	1.41E-07	3.57E-09	1.89E-08	3.31E-10	2.28E-08	3.25E-09	9.89E-09	1.00E-10	1.32E-08
8565	471036.87	3819510	3.81E-08	1.48E-07	1.96E-09	1.88E-07	3.18E-08	1.09E-07	1.41E-09	1.42E-07	3.60E-09	1.90E-08	3.34E-10	2.30E-08	3.27E-09	9.97E-09	1.01E-10	1.33E-08
8566	471033.15	3819518.74	3.85E-08	1.49E-07	1.98E-09	1.90E-07	3.20E-08	1.10E-07	1.42E-09	1.43E-07	3.63E-09	1.92E-08	3.37E-10	2.32E-08	3.30E-09	1.01E-08	1.02E-10	1.35E-08
8567	471029.42	3819527.49	3.88E-08	1.50E-07	1.99E-09	1.91E-07	3.23E-08	1.10E-07	1.43E-09	1.44E-07	3.66E-09	1.93E-08	3.40E-10	2.33E-08	3.33E-09	1.01E-08	1.03E-10	1.36E-08
8568	471025.7	3819536.24	3.90E-08	1.51E-07	2.01E-09	1.92E-07	3.25E-08	1.11E-07	1.44E-09	1.45E-07	3.69E-09	1.95E-08	3.42E-10	2.35E-08	3.35E-09	1.02E-08	1.03E-10	1.37E-08
8569	471021.97	3819544.98	3.93E-08	1.52E-07	2.02E-09	1.94E-07	3.27E-08	1.12E-07	1.45E-09	1.46E-07	3.71E-09	1.96E-08	3.44E-10	2.37E-08	3.37E-09	1.03E-08	1.04E-10	1.38E-08
8570	471018.25	3819553.73	3.96E-08	1.53E-07	2.03E-09	1.95E-07	3.30E-08	1.13E-07	1.46E-09	1.47E-07	3.74E-09	1.98E-08	3.47E-10	2.38E-08	3.40E-09	1.03E-08	1.05E-10	1.38E-08
8571	471014.52	3819562.47	3.98E-08	1.54E-07	2.05E-09	1.96E-07	3.32E-08	1.13E-07	1.47E-09	1.48E-07	3.76E-09	1.99E-08	3.49E-10	2.40E-08	3.42E-09	1.04E-08	1.06E-10	1.39E-08
8572	471010.8	3819571.22	4.00E-08	1.55E-07	2.06E-09	1.97E-07	3.33E-08	1.14E-07	1.48E-09	1.49E-07	3.78E-09	2.00E-08	3.51E-10	2.41E-08	3.44E-09	1.05E-08	1.06E-10	1.40E-08
8573	471007.07	3819579.97	4.02E-08	1.56E-07	2.07E-09	1.98E-07	3.35E-08	1.15E-07	1.48E-09	1.50E-07	3.80E-09	2.01E-08	3.53E-10	2.42E-08	3.46E-09	1.05E-08	1.07E-10	1.41E-08
8574	471003.35	3819588.71	4.04E-08	1.57E-07	2.08E-09	1.99E-07	3.37E-08	1.15E-07	1.49E-09	1.50E-07	3.82E-09	2.02E-08	3.54E-10	2.44E-08	3.47E-09	1.06E-08	1.07E-10	1.42E-08
8575	470999.62	3819597.46	4.06E-08	1.58E-07	2.09E-09	2.00E-07	3.38E-08	1.16E-07	1.50E-09	1.51E-07	3.84E-09	2.03E-08	3.56E-10	2.45E-08	3.49E-09	1.06E-08	1.08E-10	1.42E-08
8576	470995.9	3819606.21	4.08E-08	1.58E-07	2.10E-09	2.01E-07	3.40E-08	1.16E-07	1.50E-09	1.52E-07	3.85E-09	2.04E-08	3.57E-10	2.46E-08	3.50E-09	1.07E-08	1.08E-10	1.43E-08
8577	470992.17	3819614.95	4.09E-08	1.59E-07	2.10E-09	2.02E-07	3.41E-08	1.17E-07	1.51E-09	1.52E-07	3.86E-09	2.04E-08	3.59E-10	2.47E-08	3.51E-09	1.07E-08	1.08E-10	1.43E-08
8578	470988.45	3819623.7	4.11E-08	1.59E-07	2.11E-09	2.02E-07	3.42E-08	1.17E-07	1.51E-09	1.53E-07	3.88E-09	2.05E-08	3.60E-10	2.47E-08	3.52E-09	1.07E-08	1.09E-10	1.44E-08
8579	470984.72	3819632.45	4.12E-08	1.60E-07	2.11E-09	2.03E-07	3.43E-08	1.17E-07	1.52E-09	1.53E-07	3.89E-09	2.05E-08	3.61E-10	2.48E-08	3.53E-09	1.08E-08	1.09E-10	1.44E-08
8580	470981	3819641.19	4.12E-08	1.60E-07	2.12E-09	2.03E-07	3.44E-08	1.18E-07	1.52E-09	1.53E-07	3.90E-09	2.06E-08	3.61E-10	2.48E-08	3.54E-09	1.08E-08	1.09E-10	1.44E-08
8581	470977.27	3819649.94	4.13E-08	1.60E-07	2.12E-09	2.04E-07	3.44E-08	1.18E-07	1.52E-09	1.54E-07	3.90E-09	2.06E-08	3.62E-10	2.49E-08	3.55E-09	1.08E-08	1.10E-10	1.45E-08
8582	470973.55	3819658.69	4.14E-08	1.60E-07	2.13E-09	2.04E-07	3.45E-08	1.18E-07	1.53E-09	1.54E-07	3.91E-09	2.07E-08	3.63E-10	2.49E-08	3.55E-09	1.08E-08	1.10E-10	1.45E-08
8583	470969.82	3819667.43	4.14E-08	1.61E-07	2.13E-09	2.04E-07	3.45E-08	1.18E-07	1.53E-09	1.54E-07	3.91E-09	2.07E-08	3.63E-10	2.49E-08	3.56E-09	1.08E-08	1.10E-10	1.45E-08
8584	470954.93	3819702.42	4.14E-08	1.61E-07	2.13E-09	2.04E-07	3.45E-08	1.18E-07	1.53E-09	1.54E-07	3.91E-09	2.07E-08	3.63E-10	2.49E-08	3.55E-09	1.08E-08	1.10E-10	1.45E-08
8585	470951.2	3819711.16	4.13E-08	1.60E-07	2.12E-09	2.04E-07	3.44E-08	1.18E-07	1.52E-09	1.54E-07	3.90E-09	2.06E-08	3.62E-10	2.49E-08	3.55E-09	1.08E-08	1.10E-10	1.45E-08
8586	470947.48	3819719.91	4.13E-08	1.60E-07	2.12E-09	2.04E-07	3.44E-08	1.18E-07	1.52E-09	1.54E-07	3.90E-09	2.06E-08	3.62E-10	2.49E-08	3.54E-09	1.08E-08	1.09E-10	1.44E-08
8587	470943.75	3819728.66	4.12E-08	1.60E-07	2.12E-09	2.03E-07	3.43E-08	1.17E-07	1.52E-09	1.53E-07	3.89E-09	2.06E-08	3.61E-10	2.48E-08	3.54E-09	1.08E-08	1.09E-10	1.44E-08
8588	470940.03	3819737.4	4.11E-08	1.60E-07	2.11E-09	2.03E-07	3.43E-08	1.17E-07	1.52E-09	1.53E-07	3.88E-09	2.05E-08	3.60E-10	2.48E-08	3.53E-09	1.08E-08	1.09E-10	1.44E-08
8589	470936.3	3819746.15	4.10E-08	1.59E-07	2.11E-09	2.02E-07	3.42E-08	1.17E-07	1.51E-09	1.53E-07	3.88E-09	2.05E-08	3.60E-10	2.47E-08	3.52E-09	1.07E-08	1.09E-10	1.44E-08
8590	470932.58	3819754.9	4.09E-08	1.59E-07	2.10E-09	2.02E-07	3.41E-08	1.17E-07	1.51E-09	1.52E-07	3.87E-09	2.04E-08	3.59E-10	2.47E-08	3.51E-09	1.07E-08	1.09E-10	1.43E-08
8591	470928.85	3819763.64	4.08E-08	1.58E-07	2.10E-09	2.01E-07	3.40E-08	1.16E-07	1.51E-09	1.52E-07	3.85E-09	2.04E-08	3.58E-10	2.46E-08	3.50E-09	1.07E-08	1.08E-10	1.43E-08
8592	470925.13	3819772.39	4.07E-08	1.58E-07	2.09E-09	2.01E-07	3.39E-08	1.16E-07	1.50E-09	1.51E-07	3.84E-09	2.03E-08	3.57E-10	2.45E-08	3.49E-09	1.06E-08	1.08E-10	1.42E-08
8593	470921.4	3819781.14	4.06E-08	1.57E-07	2.08E-09	2.00E-07	3.38E-08	1.16E-07	1.50E-09	1.51E-07	3.83E-09	2.03E-08	3.55E-10	2.44E-08	3.48E-09	1.06E-08	1.08E-10	1.42E-08
8594	470917.68	3819789.88	4.04E-08	1.57E-07	2.08E-09	1.99E-07	3.37E-08	1.15E-07	1.49E-09	1.50E-07	3.82E-09	2.02E-08	3.54E-10	2.44E-08	3.47E-09	1.06E-08	1.07E-10	1.41E-08
8595	470872.98	3819894.84	3.84E-08	1.49E-07	1.97E-09	1.89E-07	3.20E-08	1.09E-07	1.42E-09	1.43E-07	3.62E-09	1.92E-08	3.36E-10	2.31E-08	3.29E-09	1.00E-08	1.02E-10	1.34E-08
8596	470869.25	3819903.58	3.82E-08	1.48E-07	1.96E-09	1.88E-07	3.18E-08	1.09E-07	1.41E-09	1.42E-07	3.60E-09	1.91E-08	3.35E-10	2.30E-08	3.28E-09	9.98E-09	1.01E-10	1.34E-08
8597	470865.53	3819912.33	3.80E-08	1.47E-07	1.95E-09	1.87E-07	3.16E-08	1.08E-07	1.40E-09	1.41E-07	3.58E-09	1.90E-08	3.33E-10	2.29E-08	3.26E-09	9.92E-09	1.01E-10	1.33E-08
8598	470861.8	3819921.08	3.77E-08	1.46E-07	1.94E-09	1.86E-07	3.14E-08	1.08E-07	1.39E-09	1.40E-07	3.56E-09	1.88E-08	3.31E-10	2.27E-08	3.24E-09	9.87E-09	1.00E-10	1.32E-08
8599	470858.08	3819929.82	3.75E-08	1.46E-07	1.93E-09	1.85E-07	3.13E-08	1.07E-07	1.38E-09	1.40E-07	3.54E-09	1.87E-08	3.29E-10	2.26E-08	3.22E-09	9.81E-09	9.95E-11	1.31E-08
8600	470854.35	3819938.57	3.73E-08	1.45E-07	1.92E-09	1.84E-07	3.11E-08	1.06E-07	1.38E-09	1.39E-07	3.52E-09	1.86E-08	3.27E-10	2.25E-08	3.20E-09	9.75E-09	9.89E-11	1.31E-08
8601	470850.63	3819947.32	3.71E-08	1.44E-07	1.91E-09	1.83E-07	3.09E-08	1.06E-07	1.37E-09	1.38E-07	3.50E-09	1.85E-08	3.25E-10	2.23E-08	3.18E-09	9.69E-09	9.83E-11	1.30E-08
8602	470846.9	3819956.06	3.68E-08	1.43E-07	1.89E-09	1.82E-07	3.07E-08	1.05E-07	1.36E-09	1.37E-07	3.48E-09	1.84E-08	3.23E-10	2.22E-08	3.16E-09	9.63E-09	9.77E-11	1.29E-08
8603	470843.18	3819964.81	3.66E-08	1.42E-07	1.88E-09	1.80E-07	3.05E-08	1.04E-07	1.35E-09	1.36E-07	3.46E-09	1.83E-08	3.21E-10	2.20E-08	3.14E-09	9.57E-09	9.70E-11	1.28E-08
8604	470839.45	3819973.56	3.63E-08	1.41E-07	1.87E-09	1.79E-07	3.03E-08	1.04E-07	1.34E-09	1.35E-07	3.43E-09	1.81E-08	3.19E-10	2.19E-08	3.12E-09	9.50E-09	9.64E-11	1.27E-08
8605	470835.73	3819982.3	3.61E-08	1.40E-07	1.85E-09	1.78E-07	3.01E-08	1.03E-07	1.33E-09	1.34E-07	3.41E-09	1.80E-08	3.16E-10	2.17E-08	3.10E-09	9.44E-09	9.57E-11	1.26E-08
8606	470832	3819991.05	3.58E-08	1.39E-07	1.84E-09	1.77E-07	2.99E-08	1.02E-07	1.32E-09	1.33E-07	3.38E-09	1.79E-08	3.14E-10	2.16E-08	3.08E-09	9.37E-09	9.50E-11	1.25E-08
8607	470828.28	3819999.8	3.56E-08	1.38E-07	1.83E-09	1.75E-07	2.96E-08	1.01E-07	1.31E-09	1.32E-07	3.36E-09	1.78E-08	3.12E-10	2.14E-08	3.05E-09	9.30E-09	9.43E-11	1.25E-08
8608	470815.73	3820012.07	3.56E-08	1.38E-07	1.83E-09	1.76E-07	2.97E-08	1.01E-07	1.31E-09	1.32E-07	3.36E-09	1.78E-08	3.12E-10	2.15E-08	3.06E-09	9.31E-09	9.44E-11	1.25E-08
8609	470806.9	3820015.6	3.59E-08	1.39E-07	1.84E-09	1.77E-07	2.99E-08	1.02E-07	1.32E-09	1.34E-07	3.39E-09	1.79E-08	3.15E-10	2.16E-08	3.08E-09	9.38E-09	9.51E-11	1.26E-08
8610	470798.07	3820019.12	3.62E-08	1.40E-07	1.86E-09	1.78E-07	3.01E-08	1.03E-07	1.33E-09	1.35E-07	3.42E-09	1.81E-08	3.17E-10	2.18E-08	3.11E-09	9.46E-09	9.59E-11	1.27E-08
8611	470789.24	3820022.65	3.65E-08	1.41E-07	1.87E-09	1.80E-07	3.04E-08	1.04E-07	1.34E-09	1.36E-07	3.44E-09	1.82E-08	3.20E-10	2.20E-08	3.13E-09	9.53E-09	9.67E-11	1.28E-08
8612	470780.42	3820026.18	3.67E-08	1.43E-07	1.89E-09	1.81E-07	3.06E-08	1.05E-07	1.36E-09	1.37E-07	3.47E-09	1.83E-08	3.22E-10	2.21E-08	3.15E-09	9.61E-09	9.74E-11	1.29E-08
8613	470771.59	3820029.7	3.70E-08	1.44E-07	1.90E-09	1.83E-07	3.08E-08	1.06E-07	1.37E-09	1.38E-07	3.50E-09	1.85E-08	3.25E-10	2.23E-08	3.18E-09	9.68E-09	9.82E-11	1.30E-08
8614	470762.76	3820033.23	3.73E-08	1.45E-07	1.92E-09	1.84E-07	3.11E-08	1.06E-07	1.38E-09	1.39E-07	3.52E-09	1.86E-08	3.27E-10	2.25E-08	3.20E-09	9.76E-09	9.89E-11	1.31E-08
8615	470753.93	3820036.76	3.76E-08	1.46E-07	1.93E-09	1.85E-07	3.13E-08	1.07E-07	1.39E-09	1.40E-07	3.55E-09	1.88E-08	3.29E-10	2.27E-08	3.23E-09	9.83E-09	9.97E-11	1.32E-08
8616	470745.1	3820040.29	3.79E-08	1.47E-07	1.95E-09	1.87E-07	3.16E-08	1.08E-07	1.40E-09	1.41E-07	3.58E-09	1.89E-08	3.32E-10	2.28E-08	3.25E-09	9.90E-09	1.00E-10	1.33E-08
8617	470665.65	3820072.03	4.09E-08	1.59E-07	2.10E-09	2.02E-07	3.41E-08	1.17E-07	1.51E-09	1.52E-07	3.86E-09	2.04E-08	3.58E-10	2.46E-08	3.51E-09	1.07E-08	1.08E-10	1.43E-08
8618	470656.82	3820075.56	4.13E-08	1.60E-07	2.12E-09	2.04E-07	3.44E-08	1.18E-07	1.52E-09	1.54E-07	3.90E-09	2.06E-08	3.62E-10	2.49E-08	3.54E-09	1.08E-08	1.09E-10	1.44E-08
8619	470648	3820079.09	4.17E-08	1.62E-07	2.14E-09	2.06E-07	3.47E-08	1.19E-07	1.54E-09	1.55E-07	3.94E-09	2.08E-08	3.65E-10	2.51E-08	3.58E-09	1.09E-08	1.11E-10	1.46E-08
8620	470639.17	3820082.61	4.21E-08	1.63E-07	2.16E-09	2.08E-07	3.51E-08	1.20E-07	1.55E-09	1.57E-07	3.98E-09	2.10E-08	3.69E-10	2.54E-08	3.62E-09	1.10E-08	1.12E-10	1.47E-08
8621	470630.34	3820086.14	4.26E-08	1.65E-07	2.19E-09	2.10E-07	3.55E-08	1.21E-07	1.57E-09	1.58E-07	4.02E-09	2.13E-08	3.73E-10	2.57E-08	3.66E-09	1.11E-08	1.13E-10	1.49E-08
8622	470621.51	3820089.67	4.31E-08	1.67E-07	2.21E-09	2.12E-07	3.59E-08	1.23E-07	1.59E-09	1.60E-07	4.07E-09	2.15E-08	3.77E-10	2.59E-08	3.70E-09	1.13E-08	1.14E-10	1.51E-08
8623	470612.68	3820093.19	4.36E-08	1.69E-07	2.24E-09	2.15E-07	3.63E-08	1.24E-07	1.61E-09	1.62E-07	4.11E-09	2.17E-08	3.82E-10	2.62E-08	3.74E-09	1.14E-08	1.15E-10	1.52E-08
8624	470603.86	3820096.72	4.41E-08	1.71E-07	2.26E-09	2.17E-07	3.67E-08	1.26E-07	1.63E-09	1.64E-07	4.16E-09	2.20E-08	3.86E-10	2.66E-08	3.78E-09	1.15E-08	1.17E-10	1.54E-08
8625	470595.03	3820100.25	4.46E-08	1.73E-07	2.29E-09	2.20E-07	3.72E-08	1.27E-07	1.65E-09	1.66E-07	4.21E-09	2.23E-08	3.91E-10	2.69E-08	3.83E-09	1.17E-08	1.18E-10	1.56E-08
8626	470586.2	3820103.78	4.51E-08	1.75E-07	2.32E-09	2.23E-07	3.76E-08	1.29E-07	1.67E-09	1.68E-07	4.26E-09	2.25E-08	3.96E-10	2.72E-08	3.88E-09	1.18E-08	1.20E-10	1.58E-08
8627	470577.37	3820107.3	4.57E-08	1.77E-07	2.35E-09	2.25E-07	3.81E-08	1.30E-07	1.69E-09	1.70E-07	4.32E-09	2.28E-08	4.01E-10	2.75E-08	3.92E-09	1.19E-08	1.21E-10	1.60E-08
8628	470568.54	3820110.83	4.63E-08	1.80E-07	2.38E-09	2.28E-07	3.86E-08	1.32E-07	1.71E-09	1.72E-07	4.37E-09	2.31E-08	4.06E-10	2.79E-08	3.97E-09	1.21E-08	1.23E-10	1.62E-08
8629	470559.72	3820114.36	4.69E-08	1.82E-07	2.41E-09	2.31E-07	3.90E-08	1.34E-07	1.73E-09	1.74E-07	4.43E-09	2.34E-08	4.11E-10	2.82E-08	4.02E-09	1.23E-08	1.24E-10	1.64E-08
8630	470550.89	3820117.88	4.75E-08	1.84E-07	2.44E-09	2.34E-07	3.95E-08	1.35E-07	1.75E-09	1.77E-07	4.48E-09	2.37E-08	4.16E-10	2.86E-08	4.07E-09	1.24E-08	1.26E-10	1.66E-08
8631	470542.06	3820121.41	4.81E-08	1.86E-07	2.47E-09	2.37E-07	4.00E-08	1.37E-07	1.77E-09	1.79E-07	4.54E-09	2.40E-08	4.21E-10	2.90E-08	4.13E-09	1.26E-08	1.27E-10	1.68E-08
8632	470533.23	3820124.94	4.87E-08	1.89E-07	2.50E-09	2.40E-07	4.05E-08	1.39E-07	1.79E-09	1.81E-07	4.60E-09	2.43E-08	4.26E-10	2.93E-08	4.18E-09	1.27E-08	1.29E-10	1.70E-08
8633	470524.4	3820128.47	4.93E-08	1.91E-07	2.53E-09	2.43E-07	4.10E-08	1.40E-07	1.82E-09	1.83E-07	4.65E-09	2.46E-08	4.32E-10	2.97E-08	4.23E-09	1.29E-08	1.31E-10	1.72E-08
8634	470515.58	3820131.99	4.99E-08	1.93E-07	2.56E-09	2.46E-07	4.15E-08	1.42E-07	1.84E-09	1.85E-07	4.71E-09	2.49E-08	4.37E-10	3.00E-08	4.28E-09	1.30E-08	1.32E-10	1.74E-08
8635	470506.75	3820135.52	5.05E-08	1.96E-07	2.59E-09	2.49E-07	4.20E-08	1.44E-07	1.86E-09	1.88E-07	4.77E-09	2.52E-08	4.42E-10	3.04E-08	4.33E-09	1.32E-08	1.34E-10	1.77E-08
8636	470497.92	3820139.05	5.10E-08	1.98E-07	2.62E-09	2.52E-07	4.25E-08	1.45E-07	1.88E-09	1.90E-07	4.82E-09	2.55E-08	4.47E-10	3.08E-08	4.38E-09	1.33E-08	1.35E-10	1.79E-08

8637	470489.09	3820142.57	5.16E-08	2.00E-07	2.65E-09	2.54E-07	4.30E-08	1.47E-07	1.90E-09	1.92E-07	4.87E-09	2.58E-08	4.52E-10	3.11E-08	4.43E-09	1.35E-08	1.37E-10	1.81E-08
8638	470480.26	3820146.1	5.22E-08	2.02E-07	2.68E-09	2.57E-07	4.34E-08	1.49E-07	1.92E-09	1.94E-07	4.93E-09	2.60E-08	4.57E-10	3.14E-08	4.48E-09	1.36E-08	1.38E-10	1.83E-08
8639	470471.44	3820149.63	5.27E-08	2.04E-07	2.71E-09	2.60E-07	4.39E-08	1.50E-07	1.94E-09	1.96E-07	4.98E-09	2.63E-08	4.62E-10	3.17E-08	4.52E-09	1.38E-08	1.40E-10	1.84E-08
8640	470462.61	3820153.16	5.32E-08	2.06E-07	2.73E-09	2.62E-07	4.43E-08	1.52E-07	1.96E-09	1.98E-07	5.02E-09	2.66E-08	4.66E-10	3.21E-08	4.57E-09	1.39E-08	1.41E-10	1.86E-08
8641	470453.78	3820156.68	5.37E-08	2.08E-07	2.76E-09	2.65E-07	4.47E-08	1.53E-07	1.98E-09	2.00E-07	5.07E-09	2.68E-08	4.71E-10	3.24E-08	4.61E-09	1.40E-08	1.42E-10	1.88E-08
8642	470444.95	3820160.21	5.42E-08	2.10E-07	2.78E-09	2.67E-07	4.51E-08	1.54E-07	2.00E-09	2.02E-07	5.12E-09	2.70E-08	4.75E-10	3.26E-08	4.65E-09	1.42E-08	1.44E-10	1.90E-08
8643	470436.12	3820163.74	5.46E-08	2.12E-07	2.81E-09	2.69E-07	4.55E-08	1.56E-07	2.01E-09	2.03E-07	5.16E-09	2.73E-08	4.79E-10	3.29E-08	4.69E-09	1.43E-08	1.45E-10	1.91E-08
8644	470427.3	3820167.27	5.51E-08	2.14E-07	2.83E-09	2.71E-07	4.59E-08	1.57E-07	2.03E-09	2.05E-07	5.20E-09	2.75E-08	4.82E-10	3.32E-08	4.73E-09	1.44E-08	1.46E-10	1.93E-08
8645	470418.47	3820170.79	5.55E-08	2.15E-07	2.85E-09	2.73E-07	4.62E-08	1.58E-07	2.05E-09	2.06E-07	5.24E-09	2.77E-08	4.86E-10	3.34E-08	4.76E-09	1.45E-08	1.47E-10	1.94E-08
8646	470409.64	3820174.32	5.58E-08	2.17E-07	2.87E-09	2.75E-07	4.65E-08	1.59E-07	2.06E-09	2.08E-07	5.27E-09	2.79E-08	4.89E-10	3.36E-08	4.79E-09	1.46E-08	1.48E-10	1.95E-08
8647	470400.81	3820177.85	5.62E-08	2.18E-07	2.89E-09	2.77E-07	4.68E-08	1.60E-07	2.07E-09	2.09E-07	5.31E-09	2.81E-08	4.92E-10	3.38E-08	4.82E-09	1.47E-08	1.49E-10	1.97E-08
8648	470391.98	3820181.37	5.65E-08	2.19E-07	2.90E-09	2.79E-07	4.71E-08	1.61E-07	2.08E-09	2.10E-07	5.34E-09	2.82E-08	4.95E-10	3.40E-08	4.85E-09	1.48E-08	1.50E-10	1.98E-08
8649	470383.16	3820184.9	5.68E-08	2.20E-07	2.92E-09	2.80E-07	4.73E-08	1.62E-07	2.10E-09	2.11E-07	5.37E-09	2.84E-08	4.98E-10	3.42E-08	4.88E-09	1.49E-08	1.51E-10	1.99E-08
8650	470374.33	3820188.43	5.71E-08	2.22E-07	2.93E-09	2.82E-07	4.76E-08	1.63E-07	2.11E-09	2.12E-07	5.39E-09	2.85E-08	5.01E-10	3.44E-08	4.90E-09	1.49E-08	1.51E-10	2.00E-08
8651	470365.5	3820191.96	5.74E-08	2.23E-07	2.95E-09	2.83E-07	4.78E-08	1.64E-07	2.12E-09	2.13E-07	5.42E-09	2.87E-08	5.03E-10	3.46E-08	4.93E-09	1.50E-08	1.52E-10	2.01E-08
8652	470356.67	3820195.48	5.76E-08	2.24E-07	2.96E-09	2.84E-07	4.80E-08	1.64E-07	2.13E-09	2.14E-07	5.44E-09	2.88E-08	5.05E-10	3.47E-08	4.95E-09	1.51E-08	1.53E-10	2.02E-08
8653	470347.84	3820199.01	5.79E-08	2.25E-07	2.98E-09	2.85E-07	4.82E-08	1.65E-07	2.14E-09	2.15E-07	5.47E-09	2.89E-08	5.07E-10	3.49E-08	4.97E-09	1.51E-08	1.53E-10	2.03E-08
8654	470339.02	3820202.54	5.82E-08	2.26E-07	2.99E-09	2.87E-07	4.84E-08	1.66E-07	2.14E-09	2.16E-07	5.49E-09	2.90E-08	5.10E-10	3.50E-08	4.99E-09	1.52E-08	1.54E-10	2.03E-08
8655	470330.19	3820206.06	5.84E-08	2.27E-07	3.00E-09	2.88E-07	4.86E-08	1.66E-07	2.15E-09	2.17E-07	5.51E-09	2.92E-08	5.12E-10	3.52E-08	5.01E-09	1.53E-08	1.55E-10	2.04E-08
8656	470321.36	3820209.59	5.87E-08	2.27E-07	3.01E-09	2.89E-07	4.89E-08	1.67E-07	2.16E-09	2.18E-07	5.54E-09	2.93E-08	5.14E-10	3.53E-08	5.04E-09	1.53E-08	1.55E-10	2.05E-08
8657	470312.53	3820213.12	5.89E-08	2.28E-07	3.03E-09	2.90E-07	4.90E-08	1.68E-07	2.17E-09	2.19E-07	5.56E-09	2.94E-08	5.16E-10	3.55E-08	5.05E-09	1.54E-08	1.56E-10	2.06E-08
8658	470303.7	3820216.65	5.91E-08	2.29E-07	3.04E-09	2.91E-07	4.92E-08	1.68E-07	2.18E-09	2.20E-07	5.58E-09	2.95E-08	5.18E-10	3.56E-08	5.07E-09	1.54E-08	1.57E-10	2.07E-08
8659	470294.88	3820220.17	5.93E-08	2.30E-07	3.05E-09	2.92E-07	4.94E-08	1.69E-07	2.19E-09	2.21E-07	5.60E-09	2.96E-08	5.20E-10	3.57E-08	5.09E-09	1.55E-08	1.57E-10	2.07E-08
8660	470286.05	3820223.7	5.95E-08	2.31E-07	3.06E-09	2.93E-07	4.96E-08	1.70E-07	2.19E-09	2.21E-07	5.62E-09	2.97E-08	5.22E-10	3.59E-08	5.11E-09	1.56E-08	1.58E-10	2.08E-08
8661	470277.22	3820227.23	5.97E-08	2.32E-07	3.07E-09	2.94E-07	4.98E-08	1.70E-07	2.20E-09	2.22E-07	5.64E-09	2.98E-08	5.23E-10	3.60E-08	5.13E-09	1.56E-08	1.58E-10	2.09E-08
8662	471059.22	3819457.52	3.60E-08	1.40E-07	1.85E-09	1.77E-07	3.00E-08	1.03E-07	1.33E-09	1.34E-07	3.40E-09	1.80E-08	3.15E-10	2.17E-08	3.09E-09	9.41E-09	9.54E-11	1.26E-08
8663	471059.3	3819447.87	3.59E-08	1.39E-07	1.85E-09	1.77E-07	2.99E-08	1.02E-07	1.32E-09	1.34E-07	3.39E-09	1.79E-08	3.15E-10	2.16E-08	3.08E-09	9.39E-09	9.52E-11	1.26E-08
8664	471059.39	3819438.22	3.58E-08	1.39E-07	1.84E-09	1.76E-07	2.98E-08	1.02E-07	1.32E-09	1.33E-07	3.38E-09	1.79E-08	3.14E-10	2.16E-08	3.07E-09	9.36E-09	9.49E-11	1.25E-08
8665	471059.47	3819428.57	3.57E-08	1.38E-07	1.83E-09	1.76E-07	2.97E-08	1.02E-07	1.32E-09	1.33E-07	3.37E-09	1.78E-08	3.13E-10	2.15E-08	3.06E-09	9.33E-09	9.46E-11	1.25E-08
8666	471059.55	3819418.93	3.55E-08	1.38E-07	1.83E-09	1.75E-07	2.96E-08	1.01E-07	1.31E-09	1.32E-07	3.35E-09	1.77E-08	3.11E-10	2.14E-08	3.05E-09	9.29E-09	9.42E-11	1.24E-08
8667	471059.63	3819409.28	3.54E-08	1.37E-07	1.82E-09	1.74E-07	2.94E-08	1.01E-07	1.30E-09	1.32E-07	3.34E-09	1.77E-08	3.10E-10	2.13E-08	3.03E-09	9.24E-09	9.37E-11	1.24E-08
8668	471059.72	3819399.63	3.52E-08	1.36E-07	1.81E-09	1.73E-07	2.93E-08	1.00E-07	1.30E-09	1.31E-07	3.32E-09	1.76E-08	3.08E-10	2.12E-08	3.02E-09	9.19E-09	9.32E-11	1.23E-08
8669	471059.8	3819389.98	3.50E-08	1.36E-07	1.80E-09	1.72E-07	2.91E-08	9.96E-08	1.29E-09	1.30E-07	3.30E-09	1.74E-08	3.06E-10	2.11E-08	3.00E-09	9.14E-09	9.26E-11	1.22E-08
8670	471059.88	3819380.33	3.47E-08	1.35E-07	1.78E-09	1.71E-07	2.89E-08	9.89E-08	1.28E-09	1.29E-07	3.28E-09	1.73E-08	3.04E-10	2.09E-08	2.98E-09	9.07E-09	9.20E-11	1.21E-08
8671	471059.97	3819370.68	3.45E-08	1.34E-07	1.77E-09	1.70E-07	2.87E-08	9.82E-08	1.27E-09	1.28E-07	3.25E-09	1.72E-08	3.02E-10	2.08E-08	2.96E-09	9.01E-09	9.13E-11	1.21E-08
8672	471060.05	3819361.04	3.42E-08	1.33E-07	1.76E-09	1.68E-07	2.85E-08	9.74E-08	1.26E-09	1.27E-07	3.23E-09	1.71E-08	2.99E-10	2.06E-08	2.93E-09	8.93E-09	9.06E-11	1.20E-08
8673	471060.13	3819351.39	3.39E-08	1.31E-07	1.74E-09	1.67E-07	2.82E-08	9.65E-08	1.25E-09	1.26E-07	3.20E-09	1.69E-08	2.97E-10	2.04E-08	2.91E-09	8.85E-09	8.98E-11	1.19E-08
8674	471060.21	3819341.74	3.35E-08	1.30E-07	1.72E-09	1.65E-07	2.79E-08	9.56E-08	1.24E-09	1.25E-07	3.17E-09	1.67E-08	2.94E-10	2.02E-08	2.88E-09	8.77E-09	8.89E-11	1.17E-08
8675	471060.3	3819332.09	3.32E-08	1.29E-07	1.71E-09	1.64E-07	2.76E-08	9.46E-08	1.22E-09	1.23E-07	3.13E-09	1.66E-08	2.91E-10	2.00E-08	2.85E-09	8.68E-09	8.80E-11	1.16E-08
8676	471060.38	3819322.44	3.28E-08	1.27E-07	1.69E-09	1.62E-07	2.73E-08	9.35E-08	1.21E-09	1.22E-07	3.10E-09	1.64E-08	2.88E-10	1.98E-08	2.82E-09	8.58E-09	8.70E-11	1.15E-08
8677	471060.46	3819312.8	3.24E-08	1.26E-07	1.67E-09	1.60E-07	2.70E-08	9.24E-08	1.20E-09	1.21E-07	3.06E-09	1.62E-08	2.84E-10	1.95E-08	2.78E-09	8.48E-09	8.60E-11	1.13E-08
8678	471060.54	3819303.15	3.20E-08	1.24E-07	1.64E-09	1.58E-07	2.67E-08	9.12E-08	1.18E-09	1.19E-07	3.02E-09	1.60E-08	2.80E-10	1.93E-08	2.75E-09	8.37E-09	8.48E-11	1.12E-08
8679	471060.63	3819293.5	3.16E-08	1.22E-07	1.62E-09	1.56E-07	2.63E-08	8.99E-08	1.16E-09	1.17E-07	2.98E-09	1.58E-08	2.77E-10	1.90E-08	2.71E-09	8.25E-09	8.37E-11	1.10E-08
8680	471060.71	3819283.85	3.11E-08	1.21E-07	1.60E-09	1.53E-07	2.59E-08	8.86E-08	1.15E-09	1.16E-07	2.94E-09	1.55E-08	2.73E-10	1.87E-08	2.67E-09	8.13E-09	8.24E-11	1.09E-08
8681	471060.79	3819274.2	3.06E-08	1.19E-07	1.57E-09	1.51E-07	2.55E-08	8.73E-08	1.13E-09	1.14E-07	2.89E-09	1.53E-08	2.68E-10	1.84E-08	2.63E-09	8.01E-09	8.12E-11	1.07E-08
8682	471060.88	3819264.55	3.01E-08	1.17E-07	1.55E-09	1.49E-07	2.51E-08	8.59E-08	1.11E-09	1.12E-07	2.84E-09	1.50E-08	2.64E-10	1.81E-08	2.59E-09	7.88E-09	7.99E-11	1.05E-08
8683	471060.96	3819254.91	2.96E-08	1.15E-07	1.52E-09	1.46E-07	2.47E-08	8.44E-08	1.09E-09	1.10E-07	2.80E-09	1.48E-08	2.59E-10	1.78E-08	2.54E-09	7.74E-09	7.85E-11	1.04E-08
8684	471135.47	3819467.01	3.02E-08	1.17E-07	1.55E-09	1.49E-07	2.52E-08	8.61E-08	1.11E-09	1.12E-07	2.85E-09	1.51E-08	2.65E-10	1.82E-08	2.59E-09	7.90E-09	8.01E-11	1.06E-08
8685	471131.72	3819475.81	3.05E-08	1.18E-07	1.57E-09	1.50E-07	2.54E-08	8.69E-08	1.12E-09	1.13E-07	2.88E-09	1.52E-08	2.67E-10	1.84E-08	2.62E-09	7.97E-09	8.09E-11	1.07E-08
8686	471127.97	3819484.62	3.08E-08	1.19E-07	1.58E-09	1.52E-07	2.56E-08	8.78E-08	1.14E-09	1.15E-07	2.91E-09	1.54E-08	2.70E-10	1.86E-08	2.64E-09	8.05E-09	8.16E-11	1.08E-08
8687	471124.22	3819493.42	3.11E-08	1.21E-07	1.60E-09	1.53E-07	2.59E-08	8.86E-08	1.15E-09	1.16E-07	2.93E-09	1.55E-08	2.72E-10	1.87E-08	2.67E-09	8.12E-09	8.24E-11	1.09E-08
8688	471120.47	3819502.23	3.14E-08	1.22E-07	1.61E-09	1.55E-07	2.61E-08	8.94E-08	1.16E-09	1.17E-07	2.96E-09	1.57E-08	2.75E-10	1.89E-08	2.69E-09	8.20E-09	8.31E-11	1.10E-08
8689	471116.72	3819511.03	3.16E-08	1.23E-07	1.62E-09	1.56E-07	2.63E-08	9.01E-08	1.17E-09	1.18E-07	2.99E-09	1.58E-08	2.77E-10	1.90E-08	2.71E-09	8.27E-09	8.38E-11	1.11E-08
8690	471112.97	3819519.84	3.19E-08	1.24E-07	1.64E-09	1.57E-07	2.66E-08	9.09E-08	1.18E-09	1.19E-07	3.01E-09	1.59E-08	2.79E-10	1.92E-08	2.74E-09	8.33E-09	8.45E-11	1.12E-08
8691	471109.22	3819528.64	3.21E-08	1.25E-07	1.65E-09	1.58E-07	2.68E-08	9.16E-08	1.19E-09	1.20E-07	3.03E-09	1.60E-08	2.82E-10	1.94E-08	2.76E-09	8.40E-09	8.52E-11	1.12E-08
8692	471105.47	3819537.45	3.24E-08	1.26E-07	1.66E-09	1.60E-07	2.70E-08	9.23E-08	1.19E-09	1.20E-07	3.06E-09	1.62E-08	2.84E-10	1.95E-08	2.78E-09	8.46E-09	8.58E-11	1.13E-08
8693	471101.72	3819546.25	3.26E-08	1.26E-07	1.68E-09	1.61E-07	2.72E-08	9.29E-08	1.20E-09	1.21E-07	3.08E-09	1.63E-08	2.86E-10	1.96E-08	2.80E-09	8.52E-09	8.64E-11	1.14E-08
8694	471097.97	3819555.06	3.28E-08	1.27E-07	1.69E-09	1.62E-07	2.73E-08	9.36E-08	1.21E-09	1.22E-07	3.10E-09	1.64E-08	2.88E-10	1.98E-08	2.82E-09	8.58E-09	8.70E-11	1.15E-08
8695	471094.22	3819563.86	3.30E-08	1.28E-07	1.70E-09	1.63E-07	2.75E-08	9.42E-08	1.22E-09	1.23E-07	3.12E-09	1.65E-08	2.90E-10	1.99E-08	2.84E-09	8.64E-09	8.76E-11	1.16E-08
8696	471090.47	3819572.67	3.33E-08	1.29E-07	1.71E-09	1.64E-07	2.77E-08	9.48E-08	1.23E-09	1.24E-07	3.14E-09	1.66E-08	2.91E-10	2.00E-08	2.85E-09	8.69E-09	8.82E-11	1.16E-08
8697	471086.72	3819581.47	3.34E-08	1.30E-07	1.72E-09	1.65E-07	2.79E-08	9.53E-08	1.23E-09	1.24E-07	3.16E-09	1.67E-08	2.93E-10	2.01E-08	2.87E-09	8.74E-09	8.87E-11	1.17E-08
8698	471082.97	3819590.28	3.36E-08	1.30E-07	1.73E-09	1.66E-07	2.80E-08	9.58E-08	1.24E-09	1.25E-07	3.18E-09	1.68E-08	2.95E-10	2.03E-08	2.89E-09	8.79E-09	8.92E-11	1.18E-08
8699	471079.22	3819599.08	3.38E-08	1.31E-07	1.74E-09	1.67E-07	2.82E-08	9.63E-08	1.25E-09	1.26E-07	3.19E-09	1.69E-08	2.96E-10	2.04E-08	2.90E-09	8.84E-09	8.96E-11	1.18E-08
8700	471075.47	3819607.89	3.40E-08	1.32E-07	1.75E-09	1.67E-07	2.83E-08	9.68E-08	1.25E-09	1.26E-07	3.21E-09	1.70E-08	2.98E-10	2.05E-08	2.92E-09	8.88E-09	9.00E-11	1.19E-08
8701	471071.72	3819616.69	3.41E-08	1.32E-07	1.75E-09	1.68E-07	2.84E-08	9.72E-08	1.26E-09	1.27E-07	3.22E-09	1.70E-08	2.99E-10	2.06E-08	2.93E-09	8.92E-09	9.04E-11	1.19E-08
8702	471067.97	3819625.5	3.43E-08	1.33E-07	1.76E-09	1.69E-07	2.85E-08	9.76E-08	1.26E-09	1.27E-07	3.23E-09	1.71E-08	3.00E-10	2.06E-08	2.94E-09	8.95E-09	9.08E-11	1.20E-08
8703	471064.22	3819634.3	3.44E-08	1.33E-07	1.77E-09	1.69E-07	2.86E-08	9.80E-08	1.27E-09	1.28E-07	3.25E-09	1.72E-08	3.01E-10	2.07E-08	2.95E-09	8.99E-09	9.11E-11	1.20E-08
8704	471060.47	3819643.11	3.45E-08	1.34E-07	1.77E-09	1.70E-07	2.87E-08	9.83E-08	1.27E-09	1.28E-07	3.26E-09	1.72E-08	3.02E-10	2.08E-08	2.96E-09	9.02E-09	9.14E-11	1.21E-08
8705	471056.72	3819651.91	3.46E-08	1.34E-07	1.78E-09	1.71E-07	2.88E-08	9.86E-08	1.28E-09	1.29E-07	3.27E-09	1.73E-08	3.03E-10	2.08E-08	2.97E-09	9.04E-09	9.17E-11	1.21E-08
8706	471052.97	3819660.72	3.47E-08	1.34E-07	1.78E-09	1.71E-07	2.89E-08	9.88E-08	1.28E-09	1.29E-07	3.27E-09	1.73E-08	3.04E-10	2.09E-08	2.98E-09	9.07E-09	9.19E-11	1.21E-08
8707	471049.22	3819669.52	3.48E-08	1.35E-07	1.79E-09	1.71E-07	2.89E-08	9.90E-08	1.28E-09	1.29E-07	3.28E-09	1.73E-08	3.05E-10	2.09E-08	2.98E-09	9.08E-09	9.21E-11	1.22E-08
8708	471045.47	3819678.33	3.48E-08	1.35E-07	1.79E-09	1.72E-07	2.90E-08	9.92E-08	1.28E-09	1.29E-07	3.29E-09	1.74E-08	3.05E-10	2.10E-08	2.99E-09	9.10E-09	9.23E-11	1.22E-08
8709	471041.72	3819687.13	3.49E-08	1.35E-07	1.79E-09	1.72E-07	2.90E-08	9.93E-08	1.29E-09	1.30E-07	3.29E-09	1.74E-08	3.05E-10	2.10E-08	2.99E-09	9.11E-09	9.24E-11	1.22E-08
8710	471015.48	3819748.77	3.48E-08	1.35E-07	1.79E-09	1.72E-07	2.90E-08	9.93E-08	1.29E-09	1.30E-07	3.29E-09	1.74E-08	3.05E-10	2.10E-08	2.99E-09	9.11E-09	9.24E-11	1.22E-08
8711	471011.73	3819757.57	3.48E-08	1.35E-07	1.79E-09	1.72E-07	2.90E-08	9.92E-08	1.28E-09	1.29E-07	3.29E-09	1.74E-08	3.05E-10	2.10E-08	2.99E-09	9.10E-09	9.22E-11	1.22E-08
8712	471007.98	3819766.38	3.47E-08	1.35E-07	1.79E-09	1.71E-07	2.89E-08	9.90E-08	1.28E-09	1.29E-07	3.28E-09	1.73E-08	3.04E-10	2.09E-08	2.98E-09	9.08E-09	9.21E-11	1.22E-08
8713	471004.23	3819775.18	3.47E-08	1.34E-07	1.78E-09	1.71E-07	2.89E-08	9.88E-08	1.28E-09	1.29E-07	3.27E-09	1.73E-08	3.04E-10	2.09E-08	2.98E-09	9.07E-09	9.19E-11	1.21E-08
8714	471000.48	3819783.99	3.46E-08	1.34E-07	1.78E-09	1.71E-07	2.88E-08	9.86E-08	1.28E-09	1.29E-07	3.27E-09	1.73E-08	3.03E-10	2.08E-08	2.97E-09	9.05E-09	9.17E-11	1.21E-08
8715	470996.73	3819792.79	3.45E-08	1.34E-07	1.77E-09	1.70E-07	2.88E-08	9.84E-08	1.27E-09	1.28E-07	3.26E-09	1.72E-08	3.03E-10	2.08E-08	2.96E-09	9.03E-09	9.15E-11	1.21E-08
8716	470992.98	3819801.6	3.44E-08	1.34E-07	1.77E-09	1.70E-07	2.87E-08	9.81E-08	1.27E-09	1.28E-07	3.25E-09	1.72E-08	3.02E-10	2.07E-08	2.96E-09	9.00E-09	9.13E-11	1.21E-08
8717	470989.23	3819810.4	3.44E-08	1.33E-07	1.76E-09	1.69E-07	2.86E-08	9.79E-08	1.27E-09	1.28E-07	3.24E-09	1.71E-08	3.01E-10	2.07E-08	2.95E-09	8.98E-09	9.11E-11	1.20E-08
8718	470985.48	3819819.21	3.43E-08	1.33E-07	1.76E-09	1.69E-07	2.85E-08	9.76E-08	1.26E-09	1.27E-07	3.23E-09	1.71E-08	3.00E-10	2.06E-08	2.94E-09	8.95E-09	9.08E-11	1.20E-08
8719	470981.73	3819828.01	3.42E-08	1.32E-07	1.75E-09	1.68E-07	2.84E-08	9.73E-08	1.26E-09	1.27E-07	3.22E-09	1.71E-08	2.99E-10	2.06E-08	2.93E-09	8.93E-09	9.05E-11	1.19E-08
8720	470977.98	3819836.82	3.40E-08	1.32E-07	1.75E-09	1.68E-07	2.84E-08	9.70E-08	1.26E-09	1.27E-07	3.21E-09	1.70E-08	2.98E-10	2.05E-08	2.92E-09	8.90E-09	9.03E-11	1.19E-08
8721	470974.23	3819845.62	3.39E-08	1.32E-07	1.74E-09	1.67E-07	2.83E-08	9.67E-08	1.25E-09	1.26E-07	3.20E-09	1.69E-08	2.97E-10	2.04E-08	2.91E-09	8.87E-09	9.00E-11	1.19E-08
8722	470970.48	3819854.42	3.38E-08	1.31E-07	1.74E-09	1.67E-07	2.82E-08	9.64E-08	1.25E-09	1.26E-07	3.19E-09	1.69E-08	2.96E-10	2.04E-08	2.90E-09	8.84E-09	8.97E-11	1.18E-08
8723	470966.73	3819863.23	3.37E-08	1.31E-07	1.73E-09	1.66E-07	2.81E-08	9.60E-08	1.24E-09	1.25E-07	3.18E-09	1.68E-08	2.95E-10	2.03E-08	2.89E-09	8.81E-09	8.93E-11	1.18E-08
8724	470962.98	3819872.03	3.36E-08	1.30E-07	1.73E-09	1.66E-07	2.80E-08	9.57E-08	1.24E-09	1.25E-07	3.17E-09	1.68E-08	2.94E-10	2.02E-08	2.88E-09	8.78E-09	8.90E-11	1.17E-08
8725	470959.23	3819880.84	3.35E-08	1.30E-07	1.72E-09	1.65E-07	2.79E-08	9.53E-08	1.23E-09	1.24E-07	3.16E-09	1.67E-08	2.93E-10	2.02E-08	2.87E-09	8.75E-09	8.87E-11	1.17E-08
8726	470955.48	3819889.64	3.33E-08	1.29E-07	1.71E-09	1.64E-07	2.78E-08	9.50E-08	1.23E-09	1.24E-07	3.15E-09	1.66E-08	2.92E-10	2.01E-08	2.86E-09	8.71E-09	8.84E-11	1.17E-08
8727	470951.73	3819898.45	3.32E-08	1.29E-07	1.71E-09	1.64E-07	2.77E-08	9.46E-08	1.22E-09	1.24E-07	3.14E-09	1.66E-08	2.91E-10	2.00E-08	2.85E-09	8.68E-09	8.80E-11	1.16E-08
8728	470947.98	3819907.25	3.31E-08	1.28E-07	1.70E-09	1.63E-07	2.75E-08	9.42E-08	1.22E-09	1.23E-07	3.12E-09	1.65E-08	2.90E-10	1.99E-08	2.84E-09	8.64E-09	8.77E-11	1.16E-08
8729	470944.23	3819916.06	3.29E-08	1.28E-07	1.69E-09	1.62E-07	2.74E-08	9.38E-08	1.21E-09	1.22E-07	3.11E-09	1.64E-08	2.89E-10	1.98E-08	2.83E-09	8.61E-09	8.73E-11	1.15E-08
8730	470940.48	3819924.86	3.28E-08	1.27E-07	1.68E-09	1.62E-07	2.73E-08	9.34E-08	1.21E-09	1.22E-07	3.10E-09	1.64E-08	2.87E-10	1.98E-08	2.81E-09	8.57E-09	8.69E-11	1.15E-08
8731	470936.73	3819933.67	3.26E-08	1.27E-07	1.68E-09	1.61E-07	2.72E-08	9.30E-08	1.20E-09	1.21E-07	3.08E-09	1.63E-08	2.86E-10	1.97E-08	2.80E-09	8.53E-09	8.66E-11	1.14E-08
8732	470921.73	3819968.89	3.21E-08	1.24E-07	1.65E-09	1.58E-07	2.67E-08	9.13E-08	1.18E-09	1.19E-07	3.03E-09	1.60E-08	2.81E-10	1.93E-08	2.75E-09	8.38E-09	8.50E-11

8733	470917.98	3819977.69	3.19E-08	1.24E-07	1.64E-09	1.57E-07	2.66E-08	9.09E-08	1.18E-09	1.19E-07	3.01E-09	1.59E-08	2.79E-10	1.92E-08	2.74E-09	8.34E-09	8.45E-11	1.12E-08
8734	470914.23	3819986.5	3.17E-08	1.23E-07	1.63E-09	1.56E-07	2.64E-08	9.04E-08	1.17E-09	1.18E-07	3.00E-09	1.58E-08	2.78E-10	1.91E-08	2.72E-09	8.29E-09	8.41E-11	1.11E-08
8735	470910.48	3819995.3	3.16E-08	1.22E-07	1.62E-09	1.56E-07	2.63E-08	8.99E-08	1.16E-09	1.17E-07	2.98E-09	1.58E-08	2.76E-10	1.90E-08	2.71E-09	8.25E-09	8.36E-11	1.10E-08
8736	470906.73	3820004.11	3.14E-08	1.22E-07	1.61E-09	1.55E-07	2.61E-08	8.94E-08	1.16E-09	1.17E-07	2.96E-09	1.57E-08	2.75E-10	1.89E-08	2.69E-09	8.20E-09	8.32E-11	1.10E-08
8737	470902.98	3820012.91	3.12E-08	1.21E-07	1.60E-09	1.54E-07	2.60E-08	8.89E-08	1.15E-09	1.16E-07	2.95E-09	1.56E-08	2.73E-10	1.88E-08	2.68E-09	8.15E-09	8.27E-11	1.09E-08
8738	470899.23	3820021.72	3.10E-08	1.20E-07	1.59E-09	1.53E-07	2.58E-08	8.84E-08	1.14E-09	1.15E-07	2.93E-09	1.55E-08	2.72E-10	1.87E-08	2.66E-09	8.11E-09	8.22E-11	1.09E-08
8739	470895.48	3820030.52	3.08E-08	1.20E-07	1.58E-09	1.52E-07	2.57E-08	8.79E-08	1.14E-09	1.15E-07	2.91E-09	1.54E-08	2.70E-10	1.86E-08	2.65E-09	8.06E-09	8.17E-11	1.08E-08
8740	470891.73	3820039.33	3.06E-08	1.19E-07	1.57E-09	1.51E-07	2.55E-08	8.73E-08	1.13E-09	1.14E-07	2.89E-09	1.53E-08	2.68E-10	1.85E-08	2.63E-09	8.01E-09	8.12E-11	1.07E-08
8741	470887.98	3820048.13	3.04E-08	1.18E-07	1.56E-09	1.50E-07	2.54E-08	8.68E-08	1.12E-09	1.13E-07	2.87E-09	1.52E-08	2.67E-10	1.83E-08	2.61E-09	7.96E-09	8.07E-11	1.07E-08
8742	470884.23	3820056.94	3.02E-08	1.17E-07	1.55E-09	1.49E-07	2.52E-08	8.62E-08	1.12E-09	1.12E-07	2.86E-09	1.51E-08	2.65E-10	1.82E-08	2.60E-09	7.91E-09	8.02E-11	1.06E-08
8743	470871.6	3820069.29	3.03E-08	1.17E-07	1.56E-09	1.49E-07	2.52E-08	8.63E-08	1.12E-09	1.13E-07	2.86E-09	1.51E-08	2.65E-10	1.82E-08	2.60E-09	7.91E-09	8.02E-11	1.06E-08
8744	470862.71	3820072.84	3.05E-08	1.18E-07	1.57E-09	1.50E-07	2.54E-08	8.69E-08	1.12E-09	1.13E-07	2.88E-09	1.52E-08	2.67E-10	1.84E-08	2.62E-09	7.97E-09	8.08E-11	1.07E-08
8745	470853.82	3820076.4	3.07E-08	1.19E-07	1.58E-09	1.51E-07	2.56E-08	8.75E-08	1.13E-09	1.14E-07	2.90E-09	1.53E-08	2.69E-10	1.85E-08	2.64E-09	8.03E-09	8.14E-11	1.07E-08
8746	470844.94	3820079.95	3.09E-08	1.20E-07	1.59E-09	1.52E-07	2.58E-08	8.81E-08	1.14E-09	1.15E-07	2.92E-09	1.54E-08	2.71E-10	1.86E-08	2.65E-09	8.08E-09	8.20E-11	1.08E-08
8747	470836.05	3820083.5	3.11E-08	1.21E-07	1.60E-09	1.53E-07	2.59E-08	8.87E-08	1.15E-09	1.16E-07	2.94E-09	1.55E-08	2.73E-10	1.88E-08	2.67E-09	8.14E-09	8.25E-11	1.09E-08
8748	470827.16	3820087.05	3.13E-08	1.22E-07	1.61E-09	1.55E-07	2.61E-08	8.93E-08	1.16E-09	1.17E-07	2.96E-09	1.56E-08	2.75E-10	1.89E-08	2.69E-09	8.19E-09	8.31E-11	1.10E-08
8749	470818.27	3820090.6	3.16E-08	1.22E-07	1.62E-09	1.56E-07	2.63E-08	8.99E-08	1.16E-09	1.17E-07	2.98E-09	1.58E-08	2.77E-10	1.90E-08	2.71E-09	8.25E-09	8.37E-11	1.10E-08
8750	470809.39	3820094.15	3.18E-08	1.23E-07	1.63E-09	1.57E-07	2.65E-08	9.06E-08	1.17E-09	1.18E-07	3.00E-09	1.59E-08	2.78E-10	1.91E-08	2.73E-09	8.31E-09	8.42E-11	1.11E-08
8751	470800.5	3820097.7	3.20E-08	1.24E-07	1.64E-09	1.58E-07	2.66E-08	9.12E-08	1.18E-09	1.19E-07	3.02E-09	1.60E-08	2.80E-10	1.93E-08	2.75E-09	8.36E-09	8.48E-11	1.12E-08
8752	470791.61	3820101.25	3.22E-08	1.25E-07	1.66E-09	1.59E-07	2.68E-08	9.18E-08	1.19E-09	1.20E-07	3.04E-09	1.61E-08	2.82E-10	1.94E-08	2.77E-09	8.42E-09	8.54E-11	1.13E-08
8753	470782.73	3820104.8	3.24E-08	1.26E-07	1.67E-09	1.60E-07	2.70E-08	9.25E-08	1.20E-09	1.21E-07	3.06E-09	1.62E-08	2.84E-10	1.95E-08	2.79E-09	8.48E-09	8.60E-11	1.14E-08
8754	470773.84	3820108.35	3.27E-08	1.27E-07	1.68E-09	1.61E-07	2.72E-08	9.31E-08	1.21E-09	1.22E-07	3.09E-09	1.63E-08	2.86E-10	1.97E-08	2.81E-09	8.54E-09	8.66E-11	1.14E-08
8755	470764.95	3820111.9	3.29E-08	1.28E-07	1.69E-09	1.62E-07	2.74E-08	9.38E-08	1.21E-09	1.22E-07	3.11E-09	1.64E-08	2.88E-10	1.98E-08	2.83E-09	8.61E-09	8.73E-11	1.15E-08
8756	470684.97	3820143.86	3.54E-08	1.37E-07	1.82E-09	1.75E-07	2.95E-08	1.01E-07	1.31E-09	1.32E-07	3.35E-09	1.77E-08	3.11E-10	2.13E-08	3.04E-09	9.26E-09	9.39E-11	1.24E-08
8757	470676.08	3820147.41	3.58E-08	1.39E-07	1.84E-09	1.76E-07	2.98E-08	1.02E-07	1.32E-09	1.33E-07	3.38E-09	1.79E-08	3.14E-10	2.16E-08	3.07E-09	9.35E-09	9.48E-11	1.25E-08
8758	470667.2	3820150.96	3.61E-08	1.40E-07	1.86E-09	1.78E-07	3.01E-08	1.03E-07	1.33E-09	1.34E-07	3.41E-09	1.80E-08	3.17E-10	2.18E-08	3.10E-09	9.45E-09	9.58E-11	1.26E-08
8759	470658.31	3820154.51	3.65E-08	1.42E-07	1.88E-09	1.80E-07	3.04E-08	1.04E-07	1.35E-09	1.36E-07	3.45E-09	1.82E-08	3.20E-10	2.20E-08	3.14E-09	9.55E-09	9.69E-11	1.28E-08
8760	470649.42	3820158.06	3.69E-08	1.43E-07	1.90E-09	1.82E-07	3.08E-08	1.05E-07	1.36E-09	1.37E-07	3.49E-09	1.84E-08	3.24E-10	2.23E-08	3.17E-09	9.66E-09	9.79E-11	1.29E-08
8761	470640.53	3820161.61	3.74E-08	1.45E-07	1.92E-09	1.84E-07	3.11E-08	1.06E-07	1.38E-09	1.39E-07	3.53E-09	1.86E-08	3.27E-10	2.25E-08	3.21E-09	9.76E-09	9.90E-11	1.31E-08
8762	470631.65	3820165.16	3.78E-08	1.47E-07	1.94E-09	1.86E-07	3.15E-08	1.08E-07	1.39E-09	1.41E-07	3.57E-09	1.89E-08	3.31E-10	2.28E-08	3.24E-09	9.88E-09	1.00E-10	1.32E-08
8763	470622.76	3820168.72	3.82E-08	1.48E-07	1.96E-09	1.88E-07	3.18E-08	1.09E-07	1.41E-09	1.42E-07	3.61E-09	1.91E-08	3.35E-10	2.30E-08	3.28E-09	9.99E-09	1.01E-10	1.34E-08
8764	470613.87	3820172.27	3.87E-08	1.50E-07	1.99E-09	1.91E-07	3.22E-08	1.10E-07	1.43E-09	1.44E-07	3.65E-09	1.93E-08	3.39E-10	2.33E-08	3.32E-09	1.01E-08	1.03E-10	1.35E-08
8765	470604.99	3820175.82	3.91E-08	1.52E-07	2.01E-09	1.93E-07	3.26E-08	1.12E-07	1.44E-09	1.46E-07	3.70E-09	1.95E-08	3.43E-10	2.36E-08	3.36E-09	1.02E-08	1.04E-10	1.37E-08
8766	470596.1	3820179.37	3.96E-08	1.54E-07	2.03E-09	1.95E-07	3.30E-08	1.13E-07	1.46E-09	1.47E-07	3.74E-09	1.98E-08	3.47E-10	2.39E-08	3.40E-09	1.04E-08	1.05E-10	1.39E-08
8767	470587.21	3820182.92	4.01E-08	1.55E-07	2.06E-09	1.98E-07	3.34E-08	1.14E-07	1.48E-09	1.49E-07	3.79E-09	2.00E-08	3.51E-10	2.42E-08	3.44E-09	1.05E-08	1.06E-10	1.40E-08
8768	470578.32	3820186.47	4.06E-08	1.57E-07	2.08E-09	2.00E-07	3.38E-08	1.16E-07	1.50E-09	1.51E-07	3.83E-09	2.03E-08	3.56E-10	2.44E-08	3.48E-09	1.06E-08	1.08E-10	1.42E-08
8769	470569.44	3820190.02	4.11E-08	1.59E-07	2.11E-09	2.02E-07	3.42E-08	1.17E-07	1.51E-09	1.53E-07	3.88E-09	2.05E-08	3.60E-10	2.47E-08	3.53E-09	1.07E-08	1.09E-10	1.44E-08
8770	470560.55	3820193.57	4.16E-08	1.61E-07	2.14E-09	2.05E-07	3.46E-08	1.18E-07	1.53E-09	1.55E-07	3.93E-09	2.08E-08	3.64E-10	2.50E-08	3.57E-09	1.09E-08	1.10E-10	1.45E-08
8771	470551.66	3820197.12	4.21E-08	1.63E-07	2.16E-09	2.07E-07	3.50E-08	1.20E-07	1.55E-09	1.56E-07	3.97E-09	2.10E-08	3.69E-10	2.53E-08	3.61E-09	1.10E-08	1.12E-10	1.47E-08
8772	470542.78	3820200.67	4.26E-08	1.65E-07	2.19E-09	2.10E-07	3.55E-08	1.21E-07	1.57E-09	1.58E-07	4.02E-09	2.13E-08	3.73E-10	2.56E-08	3.65E-09	1.11E-08	1.13E-10	1.49E-08
8773	470533.89	3820204.22	4.31E-08	1.67E-07	2.21E-09	2.12E-07	3.59E-08	1.23E-07	1.59E-09	1.60E-07	4.07E-09	2.15E-08	3.77E-10	2.59E-08	3.70E-09	1.13E-08	1.14E-10	1.51E-08
8774	470525	3820207.77	4.35E-08	1.69E-07	2.24E-09	2.15E-07	3.63E-08	1.24E-07	1.61E-09	1.62E-07	4.11E-09	2.17E-08	3.82E-10	2.62E-08	3.74E-09	1.14E-08	1.15E-10	1.52E-08
8775	470516.12	3820211.32	4.40E-08	1.71E-07	2.26E-09	2.17E-07	3.67E-08	1.25E-07	1.62E-09	1.64E-07	4.16E-09	2.20E-08	3.86E-10	2.65E-08	3.78E-09	1.15E-08	1.17E-10	1.54E-08
8776	470507.23	3820214.88	4.45E-08	1.73E-07	2.29E-09	2.19E-07	3.70E-08	1.27E-07	1.64E-09	1.65E-07	4.20E-09	2.22E-08	3.90E-10	2.68E-08	3.82E-09	1.16E-08	1.18E-10	1.56E-08
8777	470498.34	3820218.43	4.49E-08	1.74E-07	2.31E-09	2.21E-07	3.74E-08	1.28E-07	1.66E-09	1.67E-07	4.24E-09	2.24E-08	3.94E-10	2.71E-08	3.86E-09	1.17E-08	1.19E-10	1.57E-08
8778	470489.45	3820221.98	4.53E-08	1.76E-07	2.33E-09	2.24E-07	3.78E-08	1.29E-07	1.67E-09	1.69E-07	4.28E-09	2.26E-08	3.97E-10	2.73E-08	3.89E-09	1.19E-08	1.20E-10	1.59E-08
8779	470480.57	3820225.53	4.57E-08	1.77E-07	2.35E-09	2.26E-07	3.81E-08	1.30E-07	1.69E-09	1.70E-07	4.32E-09	2.28E-08	4.01E-10	2.76E-08	3.93E-09	1.20E-08	1.21E-10	1.60E-08
8780	470471.68	3820229.08	4.61E-08	1.79E-07	2.37E-09	2.27E-07	3.84E-08	1.31E-07	1.70E-09	1.72E-07	4.36E-09	2.30E-08	4.04E-10	2.78E-08	3.96E-09	1.21E-08	1.22E-10	1.61E-08
8781	470462.79	3820232.63	4.65E-08	1.80E-07	2.39E-09	2.29E-07	3.87E-08	1.33E-07	1.72E-09	1.73E-07	4.39E-09	2.32E-08	4.08E-10	2.80E-08	3.99E-09	1.22E-08	1.23E-10	1.63E-08
8782	470453.91	3820236.18	4.68E-08	1.82E-07	2.41E-09	2.31E-07	3.90E-08	1.34E-07	1.73E-09	1.74E-07	4.42E-09	2.34E-08	4.11E-10	2.82E-08	4.02E-09	1.22E-08	1.24E-10	1.64E-08
8783	470445.02	3820239.73	4.72E-08	1.83E-07	2.42E-09	2.33E-07	3.93E-08	1.34E-07	1.74E-09	1.75E-07	4.45E-09	2.36E-08	4.13E-10	2.84E-08	4.05E-09	1.23E-08	1.25E-10	1.65E-08
8784	470436.13	3820243.28	4.75E-08	1.84E-07	2.44E-09	2.34E-07	3.95E-08	1.35E-07	1.75E-09	1.77E-07	4.48E-09	2.37E-08	4.16E-10	2.86E-08	4.08E-09	1.24E-08	1.26E-10	1.66E-08
8785	470427.25	3820246.83	4.78E-08	1.85E-07	2.45E-09	2.35E-07	3.98E-08	1.36E-07	1.76E-09	1.78E-07	4.51E-09	2.38E-08	4.19E-10	2.88E-08	4.10E-09	1.25E-08	1.27E-10	1.67E-08
8786	470418.36	3820250.38	4.80E-08	1.86E-07	2.47E-09	2.37E-07	4.00E-08	1.37E-07	1.77E-09	1.79E-07	4.54E-09	2.40E-08	4.21E-10	2.89E-08	4.12E-09	1.26E-08	1.27E-10	1.68E-08
8787	470409.47	3820253.93	4.83E-08	1.87E-07	2.48E-09	2.38E-07	4.02E-08	1.38E-07	1.78E-09	1.80E-07	4.56E-09	2.41E-08	4.23E-10	2.91E-08	4.15E-09	1.26E-08	1.28E-10	1.69E-08
8788	470400.58	3820257.48	4.85E-08	1.88E-07	2.49E-09	2.39E-07	4.04E-08	1.38E-07	1.79E-09	1.80E-07	4.58E-09	2.42E-08	4.25E-10	2.92E-08	4.17E-09	1.27E-08	1.29E-10	1.70E-08
8789	470391.7	3820261.04	4.87E-08	1.89E-07	2.50E-09	2.40E-07	4.06E-08	1.39E-07	1.80E-09	1.81E-07	4.60E-09	2.43E-08	4.27E-10	2.94E-08	4.18E-09	1.27E-08	1.29E-10	1.71E-08
8790	470382.81	3820264.59	4.89E-08	1.90E-07	2.52E-09	2.41E-07	4.08E-08	1.39E-07	1.81E-09	1.82E-07	4.62E-09	2.44E-08	4.29E-10	2.95E-08	4.20E-09	1.28E-08	1.30E-10	1.71E-08
8791	470373.92	3820268.14	4.91E-08	1.91E-07	2.52E-09	2.42E-07	4.09E-08	1.40E-07	1.81E-09	1.83E-07	4.64E-09	2.45E-08	4.31E-10	2.96E-08	4.22E-09	1.28E-08	1.30E-10	1.72E-08
8792	470365.04	3820271.69	4.93E-08	1.91E-07	2.53E-09	2.43E-07	4.11E-08	1.41E-07	1.82E-09	1.83E-07	4.66E-09	2.46E-08	4.32E-10	2.97E-08	4.23E-09	1.29E-08	1.31E-10	1.73E-08
8793	470356.15	3820275.24	4.95E-08	1.92E-07	2.54E-09	2.44E-07	4.12E-08	1.41E-07	1.83E-09	1.84E-07	4.67E-09	2.47E-08	4.34E-10	2.98E-08	4.25E-09	1.29E-08	1.31E-10	1.73E-08
8794	470347.26	3820278.79	4.97E-08	1.93E-07	2.55E-09	2.45E-07	4.14E-08	1.42E-07	1.83E-09	1.85E-07	4.69E-09	2.48E-08	4.35E-10	2.99E-08	4.27E-09	1.30E-08	1.32E-10	1.74E-08
8795	470338.37	3820282.34	4.99E-08	1.93E-07	2.56E-09	2.46E-07	4.15E-08	1.42E-07	1.84E-09	1.86E-07	4.71E-09	2.49E-08	4.37E-10	3.01E-08	4.28E-09	1.30E-08	1.32E-10	1.75E-08
8796	470329.49	3820285.89	5.01E-08	1.94E-07	2.57E-09	2.47E-07	4.17E-08	1.43E-07	1.85E-09	1.86E-07	4.73E-09	2.50E-08	4.39E-10	3.02E-08	4.30E-09	1.31E-08	1.33E-10	1.75E-08
8797	470320.6	3820289.44	5.02E-08	1.95E-07	2.58E-09	2.48E-07	4.19E-08	1.43E-07	1.85E-09	1.87E-07	4.74E-09	2.51E-08	4.40E-10	3.03E-08	4.31E-09	1.31E-08	1.33E-10	1.76E-08
8798	470311.71	3820292.99	5.04E-08	1.96E-07	2.59E-09	2.49E-07	4.20E-08	1.44E-07	1.86E-09	1.88E-07	4.76E-09	2.52E-08	4.42E-10	3.04E-08	4.33E-09	1.32E-08	1.34E-10	1.76E-08
8799	470302.83	3820296.54	5.06E-08	1.96E-07	2.60E-09	2.49E-07	4.21E-08	1.44E-07	1.87E-09	1.88E-07	4.78E-09	2.53E-08	4.43E-10	3.05E-08	4.34E-09	1.32E-08	1.34E-10	1.77E-08
8800	470293.94	3820300.09	5.08E-08	1.97E-07	2.61E-09	2.50E-07	4.23E-08	1.45E-07	1.87E-09	1.89E-07	4.79E-09	2.53E-08	4.45E-10	3.06E-08	4.36E-09	1.33E-08	1.35E-10	1.78E-08
8801	470285.05	3820303.65	5.09E-08	1.98E-07	2.62E-09	2.51E-07	4.24E-08	1.45E-07	1.88E-09	1.89E-07	4.81E-09	2.54E-08	4.46E-10	3.07E-08	4.37E-09	1.33E-08	1.35E-10	1.78E-08
8802	470276.17	3820307.2	5.11E-08	1.98E-07	2.63E-09	2.52E-07	4.26E-08	1.46E-07	1.88E-09	1.90E-07	4.83E-09	2.55E-08	4.48E-10	3.08E-08	4.39E-09	1.34E-08	1.35E-10	1.79E-08
8803	471139.22	3819458.2	2.99E-08	1.16E-07	1.54E-09	1.47E-07	2.49E-08	8.52E-08	1.10E-09	1.11E-07	2.82E-09	1.49E-08	2.62E-10	1.80E-08	2.57E-09	7.82E-09	7.93E-11	1.05E-08
8804	471139.3	3819448.56	2.98E-08	1.16E-07	1.53E-09	1.47E-07	2.48E-08	8.50E-08	1.10E-09	1.11E-07	2.82E-09	1.49E-08	2.61E-10	1.80E-08	2.56E-09	7.79E-09	7.90E-11	1.04E-08
8805	471139.38	3819438.91	2.97E-08	1.15E-07	1.53E-09	1.47E-07	2.48E-08	8.47E-08	1.10E-09	1.11E-07	2.81E-09	1.48E-08	2.60E-10	1.79E-08	2.55E-09	7.77E-09	7.88E-11	1.04E-08
8806	471139.47	3819429.26	2.96E-08	1.15E-07	1.52E-09	1.46E-07	2.47E-08	8.44E-08	1.09E-09	1.10E-07	2.80E-09	1.48E-08	2.60E-10	1.78E-08	2.54E-09	7.74E-09	7.85E-11	1.04E-08
8807	471139.55	3819419.61	2.95E-08	1.14E-07	1.52E-09	1.45E-07	2.46E-08	8.40E-08	1.09E-09	1.10E-07	2.78E-09	1.47E-08	2.58E-10	1.78E-08	2.53E-09	7.71E-09	7.82E-11	1.03E-08
8808	471139.63	3819409.96	2.94E-08	1.14E-07	1.51E-09	1.45E-07	2.45E-08	8.37E-08	1.08E-09	1.09E-07	2.77E-09	1.47E-08	2.57E-10	1.77E-08	2.52E-09	7.67E-09	7.78E-11	1.03E-08
8809	471139.71	3819400.31	2.92E-08	1.13E-07	1.50E-09	1.44E-07	2.43E-08	8.32E-08	1.08E-09	1.09E-07	2.76E-09	1.46E-08	2.56E-10	1.76E-08	2.51E-09	7.63E-09	7.74E-11	1.02E-08
8810	471139.8	3819390.67	2.90E-08	1.13E-07	1.49E-09	1.43E-07	2.42E-08	8.28E-08	1.07E-09	1.08E-07	2.74E-09	1.45E-08	2.54E-10	1.75E-08	2.49E-09	7.59E-09	7.70E-11	1.02E-08
8811	471139.88	3819381.02	2.89E-08	1.12E-07	1.48E-09	1.42E-07	2.40E-08	8.22E-08	1.06E-09	1.07E-07	2.72E-09	1.44E-08	2.53E-10	1.74E-08	2.48E-09	7.54E-09	7.65E-11	1.01E-08
8812	471139.96	3819371.37	2.87E-08	1.11E-07	1.47E-09	1.41E-07	2.39E-08	8.17E-08	1.06E-09	1.07E-07	2.71E-09	1.43E-08	2.51E-10	1.73E-08	2.46E-09	7.49E-09	7.60E-11	1.00E-08
8813	471140.05	3819361.72	2.84E-08	1.10E-07	1.46E-09	1.40E-07	2.37E-08	8.10E-08	1.05E-09	1.06E-07	2.69E-09	1.42E-08	2.49E-10	1.71E-08	2.44E-09	7.43E-09	7.54E-11	9.95E-09
8814	471140.13	3819352.07	2.82E-08	1.09E-07	1.45E-09	1.39E-07	2.35E-08	8.04E-08	1.04E-09	1.05E-07	2.66E-09	1.41E-08	2.47E-10	1.70E-08	2.42E-09	7.37E-09	7.48E-11	9.87E-09
8815	471140.21	3819342.43	2.80E-08	1.08E-07	1.44E-09	1.38E-07	2.33E-08	7.97E-08	1.03E-09	1.04E-07	2.64E-09	1.40E-08	2.45E-10	1.68E-08	2.40E-09	7.31E-09	7.41E-11	9.78E-09
8816	471140.62	3819294.18	2.64E-08	1.03E-07	1.36E-09	1.30E-07	2.20E-08	7.54E-08	9.75E-10	9.84E-08	2.50E-09	1.32E-08	2.32E-10	1.59E-08	2.27E-09	6.91E-09	7.01E-11	9.25E-09
8817	471140.71	3819284.54	2.61E-08	1.01E-07	1.34E-09	1.29E-07	2.17E-08	7.44E-08	9.62E-10	9.71E-08	2.46E-09	1.30E-08	2.29E-10	1.57E-08	2.24E-09	6.82E-09	6.92E-11	9.13E-09
8818	471140.79	3819274.89	2.57E-08	9.98E-08	1.32E-09	1.27E-07	2.14E-08	7.33E-08	9.49E-10	9.57E-08	2.43E-09	1.28E-08	2.25E-10	1.55E-08	2.21E-09	6.73E-09	6.82E-11	9.00E-09
8819	471140.87	3819265.24	2.54E-08	9.83E-08	1.30E-09	1.25E-07	2.11E-08	7.23E-08	9.35E-10	9.43E-08	2.39E-09	1.27E-08	2.22E-10	1.53E-08	2.18E-09	6.63E-09	6.72E-11	8.87E-09
8820	471140.96	3819255.59	2.50E-08	9.68E-08	1.28E-09	1.23E-07	2.08E-08	7.11E-08	9.21E-10	9.29E-08	2.36E-09	1.25E-08	2.19E-10	1.50E-08	2.14E-09	6.53E-09	6.62E-11	8.74E-09
8821	471141.04	3819245.94	2.46E-08	9.53E-08	1.26E-09	1.21E-07	2.05E-08	7.00E-08	9.06E-10	9.14E-08	2.32E-09	1.23E-08	2.15E-10	1.48E-08	2.11E-09	6.42E-09	6.51E-11	8.60E-09
8822	471215.44	3819467.74	2.55E-08	9.87E-08	1.31E-09	1.25E-07	2.12E-08	7.25E-08	9.39E-10	9.47E-08	2.40E-09	1.27E-08	2.23E-10	1.53E-08	2.18E-09	6.65E-09	6.75E-11	8.91E-09
8823	471211.67	3819476.6	2.57E-08	9.97E-08	1.32E-09	1.27E-07	2.14E-08	7.32E-08	9.48E-10	9.56E-08	2.43E-09	1.28E-08	2.25E-10	1.55E-08	2.21E-09	6.72E-09	6.81E-11	8.99E-09
8824	471207.9	3819485.45	2.59E-08	1.01E-07	1.33E-09	1.28E-07	2.16E-08	7.39E-08	9.56E-10	9.64E-08	2.45E-09	1.29E-08	2.27E-10	1.56E-08	2.23E-09	6.78E-09	6.87E-11	9.07E-09
8825	471204.13	3819494.31	2.62E-08	1.01E-07	1.34E-09	1.29E-07	2.18E-08	7.46E-08	9.65E-10	9.73E-08	2.47E-09	1.31E-08	2.29E-10	1.58E-08	2.25E-09	6.84E-09	6.94E-11	9.15E-09
8826	471200.36	3819503.16	2.64E-08	1.02E-07	1.36E-09	1.30E-07	2.20E-08	7.52E-08	9.73E-10	9.81E-08	2.49E-09	1.32E-08	2.31E-10	1.59E-08	2.26E-09	6.90E-09	6.99E-11	9.23E-09
8827	471196.59	3819512.01	2.66E-08	1.03E-07	1.37E-09	1.31E-07	2.22E-08	7.58E-08	9.81E-10	9.90E-08	2.51E-09	1.33E-08	2.33E-10	1.60E-08	2.28E-09	6.95E-09	7.05E-11	9.31E-09
8828	471192.82	3819520.87	2.68E-08	1.04E-07	1.38E-09	1.32E-07	2.23E-08	7.64E-08	9.89E-10	9.98E-08	2.53E-09	1.34E-08	2.35E-10	1.62E-08	2.30E-09	7.01E-09	7.11E-11	9.

8829	471189.05	3819529.72	2.70E-08	1.05E-07	1.39E-09	1.33E-07	2.25E-08	7.70E-08	9.97E-10	1.01E-07	2.55E-09	1.35E-08	2.37E-10	1.63E-08	2.32E-09	7.07E-09	7.17E-11	9.46E-09
8830	471185.28	3819538.58	2.72E-08	1.06E-07	1.40E-09	1.34E-07	2.27E-08	7.76E-08	1.00E-09	1.01E-07	2.57E-09	1.36E-08	2.39E-10	1.64E-08	2.34E-09	7.12E-09	7.22E-11	9.53E-09
8831	471181.51	3819547.43	2.74E-08	1.06E-07	1.41E-09	1.35E-07	2.28E-08	7.82E-08	1.01E-09	1.02E-07	2.59E-09	1.37E-08	2.40E-10	1.65E-08	2.35E-09	7.17E-09	7.27E-11	9.60E-09
8832	471177.74	3819556.28	2.76E-08	1.07E-07	1.42E-09	1.36E-07	2.30E-08	7.87E-08	1.02E-09	1.03E-07	2.61E-09	1.38E-08	2.42E-10	1.66E-08	2.37E-09	7.22E-09	7.32E-11	9.66E-09
8833	471173.97	3819565.14	2.78E-08	1.08E-07	1.43E-09	1.37E-07	2.32E-08	7.92E-08	1.03E-09	1.03E-07	2.63E-09	1.39E-08	2.44E-10	1.68E-08	2.39E-09	7.27E-09	7.37E-11	9.73E-09
8834	471170.2	3819573.99	2.80E-08	1.09E-07	1.44E-09	1.38E-07	2.33E-08	7.97E-08	1.03E-09	1.04E-07	2.64E-09	1.40E-08	2.45E-10	1.69E-08	2.40E-09	7.32E-09	7.42E-11	9.79E-09
8835	471143.8	3819635.97	2.90E-08	1.13E-07	1.49E-09	1.43E-07	2.42E-08	8.28E-08	1.07E-09	1.08E-07	2.74E-09	1.45E-08	2.54E-10	1.75E-08	2.49E-09	7.59E-09	7.70E-11	1.02E-08
8836	471140.03	3819644.82	2.92E-08	1.13E-07	1.50E-09	1.44E-07	2.43E-08	8.31E-08	1.08E-09	1.08E-07	2.75E-09	1.46E-08	2.56E-10	1.76E-08	2.50E-09	7.62E-09	7.73E-11	1.02E-08
8837	471136.26	3819653.68	2.93E-08	1.14E-07	1.50E-09	1.44E-07	2.44E-08	8.34E-08	1.08E-09	1.09E-07	2.76E-09	1.46E-08	2.56E-10	1.76E-08	2.51E-09	7.65E-09	7.76E-11	1.02E-08
8838	471132.49	3819662.53	2.94E-08	1.14E-07	1.51E-09	1.45E-07	2.45E-08	8.37E-08	1.08E-09	1.09E-07	2.77E-09	1.47E-08	2.57E-10	1.77E-08	2.52E-09	7.68E-09	7.79E-11	1.03E-08
8839	471128.72	3819671.39	2.95E-08	1.14E-07	1.51E-09	1.45E-07	2.45E-08	8.40E-08	1.09E-09	1.10E-07	2.78E-09	1.47E-08	2.58E-10	1.78E-08	2.53E-09	7.70E-09	7.81E-11	1.03E-08
8840	471124.95	3819680.24	2.95E-08	1.15E-07	1.52E-09	1.46E-07	2.46E-08	8.42E-08	1.09E-09	1.10E-07	2.79E-09	1.47E-08	2.59E-10	1.78E-08	2.54E-09	7.72E-09	7.83E-11	1.03E-08
8841	471121.18	3819689.1	2.96E-08	1.15E-07	1.52E-09	1.46E-07	2.47E-08	8.44E-08	1.09E-09	1.10E-07	2.80E-09	1.48E-08	2.60E-10	1.78E-08	2.54E-09	7.74E-09	7.85E-11	1.04E-08
8842	471117.41	3819697.95	2.97E-08	1.15E-07	1.52E-09	1.46E-07	2.47E-08	8.46E-08	1.09E-09	1.10E-07	2.80E-09	1.48E-08	2.60E-10	1.79E-08	2.55E-09	7.76E-09	7.87E-11	1.04E-08
8843	471113.64	3819706.8	2.97E-08	1.15E-07	1.53E-09	1.47E-07	2.48E-08	8.47E-08	1.10E-09	1.11E-07	2.81E-09	1.48E-08	2.61E-10	1.79E-08	2.55E-09	7.77E-09	7.88E-11	1.04E-08
8844	471109.87	3819715.66	2.98E-08	1.15E-07	1.53E-09	1.47E-07	2.48E-08	8.48E-08	1.10E-09	1.11E-07	2.81E-09	1.49E-08	2.61E-10	1.79E-08	2.56E-09	7.78E-09	7.89E-11	1.04E-08
8845	471106.09	3819724.51	2.98E-08	1.16E-07	1.53E-09	1.47E-07	2.48E-08	8.50E-08	1.10E-09	1.11E-07	2.81E-09	1.49E-08	2.61E-10	1.80E-08	2.56E-09	7.79E-09	7.90E-11	1.04E-08
8846	471102.32	3819733.37	2.98E-08	1.16E-07	1.53E-09	1.47E-07	2.48E-08	8.50E-08	1.10E-09	1.11E-07	2.82E-09	1.49E-08	2.61E-10	1.80E-08	2.56E-09	7.80E-09	7.91E-11	1.04E-08
8847	471098.55	3819742.22	2.98E-08	1.16E-07	1.53E-09	1.47E-07	2.49E-08	8.51E-08	1.10E-09	1.11E-07	2.82E-09	1.49E-08	2.62E-10	1.80E-08	2.56E-09	7.80E-09	7.91E-11	1.04E-08
8848	471094.78	3819751.07	2.98E-08	1.16E-07	1.53E-09	1.47E-07	2.49E-08	8.51E-08	1.10E-09	1.11E-07	2.82E-09	1.49E-08	2.62E-10	1.80E-08	2.56E-09	7.80E-09	7.91E-11	1.04E-08
8849	471091.01	3819759.93	2.98E-08	1.16E-07	1.53E-09	1.47E-07	2.49E-08	8.50E-08	1.10E-09	1.11E-07	2.82E-09	1.49E-08	2.62E-10	1.80E-08	2.56E-09	7.80E-09	7.91E-11	1.04E-08
8850	471087.24	3819768.78	2.98E-08	1.16E-07	1.53E-09	1.47E-07	2.48E-08	8.50E-08	1.10E-09	1.11E-07	2.82E-09	1.49E-08	2.61E-10	1.80E-08	2.56E-09	7.80E-09	7.91E-11	1.04E-08
8851	471083.47	3819777.64	2.98E-08	1.16E-07	1.53E-09	1.47E-07	2.48E-08	8.49E-08	1.10E-09	1.11E-07	2.81E-09	1.49E-08	2.61E-10	1.80E-08	2.56E-09	7.79E-09	7.90E-11	1.04E-08
8852	471079.7	3819786.49	2.98E-08	1.15E-07	1.53E-09	1.47E-07	2.48E-08	8.49E-08	1.10E-09	1.11E-07	2.81E-09	1.49E-08	2.61E-10	1.79E-08	2.56E-09	7.78E-09	7.89E-11	1.04E-08
8853	471075.93	3819795.34	2.97E-08	1.15E-07	1.53E-09	1.47E-07	2.48E-08	8.48E-08	1.10E-09	1.11E-07	2.81E-09	1.48E-08	2.61E-10	1.79E-08	2.55E-09	7.77E-09	7.88E-11	1.04E-08
8854	471072.16	3819804.2	2.97E-08	1.15E-07	1.53E-09	1.46E-07	2.47E-08	8.46E-08	1.10E-09	1.10E-07	2.80E-09	1.48E-08	2.60E-10	1.79E-08	2.55E-09	7.76E-09	7.87E-11	1.04E-08
8855	471068.39	3819813.05	2.96E-08	1.15E-07	1.52E-09	1.46E-07	2.47E-08	8.45E-08	1.09E-09	1.10E-07	2.80E-09	1.48E-08	2.60E-10	1.79E-08	2.54E-09	7.75E-09	7.86E-11	1.04E-08
8856	471064.62	3819821.91	2.96E-08	1.15E-07	1.52E-09	1.46E-07	2.46E-08	8.43E-08	1.09E-09	1.10E-07	2.79E-09	1.48E-08	2.59E-10	1.78E-08	2.54E-09	7.73E-09	7.84E-11	1.04E-08
8857	471060.85	3819830.76	2.95E-08	1.15E-07	1.52E-09	1.46E-07	2.46E-08	8.41E-08	1.09E-09	1.10E-07	2.79E-09	1.47E-08	2.59E-10	1.78E-08	2.53E-09	7.72E-09	7.83E-11	1.03E-08
8858	471057.08	3819839.61	2.95E-08	1.14E-07	1.51E-09	1.45E-07	2.45E-08	8.40E-08	1.09E-09	1.10E-07	2.78E-09	1.47E-08	2.58E-10	1.77E-08	2.53E-09	7.70E-09	7.81E-11	1.03E-08
8859	471053.3	3819848.47	2.94E-08	1.14E-07	1.51E-09	1.45E-07	2.45E-08	8.38E-08	1.08E-09	1.09E-07	2.78E-09	1.47E-08	2.58E-10	1.77E-08	2.52E-09	7.68E-09	7.79E-11	1.03E-08
8860	471049.53	3819857.32	2.93E-08	1.14E-07	1.51E-09	1.45E-07	2.44E-08	8.35E-08	1.08E-09	1.09E-07	2.77E-09	1.46E-08	2.57E-10	1.77E-08	2.52E-09	7.66E-09	7.77E-11	1.03E-08
8861	471045.76	3819866.18	2.92E-08	1.13E-07	1.50E-09	1.44E-07	2.44E-08	8.33E-08	1.08E-09	1.09E-07	2.76E-09	1.46E-08	2.56E-10	1.76E-08	2.51E-09	7.64E-09	7.75E-11	1.02E-08
8862	471041.99	3819875.03	2.92E-08	1.13E-07	1.50E-09	1.44E-07	2.43E-08	8.31E-08	1.08E-09	1.08E-07	2.75E-09	1.46E-08	2.55E-10	1.76E-08	2.50E-09	7.62E-09	7.73E-11	1.02E-08
8863	471038.22	3819883.88	2.91E-08	1.13E-07	1.49E-09	1.43E-07	2.42E-08	8.28E-08	1.07E-09	1.08E-07	2.75E-09	1.45E-08	2.55E-10	1.75E-08	2.50E-09	7.60E-09	7.71E-11	1.02E-08
8864	471034.45	3819892.74	2.90E-08	1.12E-07	1.49E-09	1.43E-07	2.41E-08	8.26E-08	1.07E-09	1.08E-07	2.74E-09	1.45E-08	2.54E-10	1.75E-08	2.49E-09	7.58E-09	7.68E-11	1.01E-08
8865	471030.68	3819901.59	2.89E-08	1.12E-07	1.48E-09	1.42E-07	2.41E-08	8.23E-08	1.07E-09	1.07E-07	2.73E-09	1.44E-08	2.53E-10	1.74E-08	2.48E-09	7.55E-09	7.66E-11	1.01E-08
8866	471026.91	3819910.45	2.88E-08	1.12E-07	1.48E-09	1.42E-07	2.40E-08	8.21E-08	1.06E-09	1.07E-07	2.72E-09	1.44E-08	2.52E-10	1.74E-08	2.47E-09	7.53E-09	7.64E-11	1.01E-08
8867	471023.14	3819919.3	2.87E-08	1.11E-07	1.48E-09	1.42E-07	2.39E-08	8.18E-08	1.06E-09	1.07E-07	2.71E-09	1.43E-08	2.52E-10	1.73E-08	2.47E-09	7.51E-09	7.61E-11	1.00E-08
8868	471019.37	3819928.15	2.86E-08	1.11E-07	1.47E-09	1.41E-07	2.38E-08	8.16E-08	1.06E-09	1.06E-07	2.70E-09	1.43E-08	2.51E-10	1.72E-08	2.46E-09	7.48E-09	7.59E-11	1.00E-08
8869	471015.6	3819937.01	2.85E-08	1.11E-07	1.47E-09	1.41E-07	2.38E-08	8.13E-08	1.05E-09	1.06E-07	2.69E-09	1.42E-08	2.50E-10	1.72E-08	2.45E-09	7.46E-09	7.56E-11	9.98E-09
8870	471011.83	3819945.86	2.84E-08	1.10E-07	1.46E-09	1.40E-07	2.37E-08	8.10E-08	1.05E-09	1.06E-07	2.68E-09	1.42E-08	2.49E-10	1.71E-08	2.44E-09	7.43E-09	7.54E-11	9.95E-09
8871	471008.06	3819954.72	2.83E-08	1.10E-07	1.46E-09	1.40E-07	2.36E-08	8.07E-08	1.04E-09	1.05E-07	2.68E-09	1.41E-08	2.48E-10	1.71E-08	2.43E-09	7.41E-09	7.51E-11	9.91E-09
8872	471004.29	3819963.57	2.82E-08	1.09E-07	1.45E-09	1.39E-07	2.35E-08	8.05E-08	1.04E-09	1.05E-07	2.67E-09	1.41E-08	2.47E-10	1.70E-08	2.42E-09	7.38E-09	7.48E-11	9.88E-09
8873	471000.51	3819972.43	2.81E-08	1.09E-07	1.45E-09	1.39E-07	2.34E-08	8.02E-08	1.04E-09	1.05E-07	2.66E-09	1.40E-08	2.46E-10	1.69E-08	2.41E-09	7.35E-09	7.46E-11	9.84E-09
8874	470996.74	3819981.28	2.80E-08	1.09E-07	1.44E-09	1.38E-07	2.33E-08	7.99E-08	1.03E-09	1.04E-07	2.65E-09	1.40E-08	2.46E-10	1.69E-08	2.41E-09	7.33E-09	7.43E-11	9.81E-09
8875	470992.97	3819990.13	2.79E-08	1.08E-07	1.43E-09	1.38E-07	2.32E-08	7.95E-08	1.03E-09	1.04E-07	2.64E-09	1.39E-08	2.45E-10	1.68E-08	2.40E-09	7.30E-09	7.40E-11	9.77E-09
8876	470989.2	3819998.99	2.78E-08	1.08E-07	1.43E-09	1.37E-07	2.32E-08	7.92E-08	1.03E-09	1.03E-07	2.62E-09	1.39E-08	2.44E-10	1.67E-08	2.39E-09	7.27E-09	7.37E-11	9.73E-09
8877	470985.43	3820007.84	2.77E-08	1.07E-07	1.42E-09	1.36E-07	2.31E-08	7.89E-08	1.02E-09	1.03E-07	2.61E-09	1.38E-08	2.43E-10	1.67E-08	2.38E-09	7.24E-09	7.34E-11	9.68E-09
8878	470981.66	3820016.7	2.76E-08	1.07E-07	1.42E-09	1.36E-07	2.30E-08	7.86E-08	1.02E-09	1.03E-07	2.60E-09	1.38E-08	2.42E-10	1.66E-08	2.37E-09	7.21E-09	7.31E-11	9.65E-09
8879	470962.81	3820060.97	2.69E-08	1.04E-07	1.38E-09	1.33E-07	2.24E-08	7.67E-08	9.93E-10	1.00E-07	2.54E-09	1.34E-08	2.36E-10	1.62E-08	2.31E-09	7.04E-09	7.14E-11	9.42E-09
8880	470959.04	3820069.82	2.68E-08	1.04E-07	1.38E-09	1.32E-07	2.23E-08	7.63E-08	9.88E-10	9.96E-08	2.53E-09	1.34E-08	2.35E-10	1.61E-08	2.30E-09	7.00E-09	7.10E-11	9.37E-09
8881	470955.27	3820078.67	2.66E-08	1.03E-07	1.37E-09	1.31E-07	2.22E-08	7.59E-08	9.83E-10	9.91E-08	2.52E-09	1.33E-08	2.33E-10	1.61E-08	2.29E-09	6.97E-09	7.06E-11	9.32E-09
8882	470951.5	3820087.53	2.65E-08	1.03E-07	1.36E-09	1.31E-07	2.21E-08	7.55E-08	9.77E-10	9.86E-08	2.50E-09	1.32E-08	2.32E-10	1.60E-08	2.27E-09	6.93E-09	7.03E-11	9.27E-09
8883	470947.72	3820096.38	2.64E-08	1.02E-07	1.35E-09	1.30E-07	2.20E-08	7.51E-08	9.72E-10	9.80E-08	2.49E-09	1.32E-08	2.31E-10	1.59E-08	2.26E-09	6.89E-09	6.99E-11	9.22E-09
8884	470943.95	3820105.24	2.62E-08	1.02E-07	1.35E-09	1.29E-07	2.18E-08	7.47E-08	9.66E-10	9.75E-08	2.47E-09	1.31E-08	2.30E-10	1.58E-08	2.25E-09	6.85E-09	6.95E-11	9.17E-09
8885	470940.18	3820114.09	2.61E-08	1.01E-07	1.34E-09	1.28E-07	2.17E-08	7.42E-08	9.61E-10	9.69E-08	2.46E-09	1.30E-08	2.28E-10	1.57E-08	2.24E-09	6.81E-09	6.91E-11	9.12E-09
8886	470927.48	3820126.51	2.61E-08	1.01E-07	1.34E-09	1.29E-07	2.17E-08	7.43E-08	9.62E-10	9.70E-08	2.46E-09	1.30E-08	2.29E-10	1.57E-08	2.24E-09	6.82E-09	6.91E-11	9.13E-09
8887	470918.54	3820130.09	2.63E-08	1.02E-07	1.35E-09	1.29E-07	2.19E-08	7.48E-08	9.68E-10	9.77E-08	2.48E-09	1.31E-08	2.30E-10	1.58E-08	2.25E-09	6.86E-09	6.96E-11	9.19E-09
8888	470909.6	3820133.66	2.64E-08	1.03E-07	1.36E-09	1.30E-07	2.20E-08	7.53E-08	9.75E-10	9.83E-08	2.50E-09	1.32E-08	2.32E-10	1.59E-08	2.27E-09	6.91E-09	7.01E-11	9.25E-09
8889	470900.67	3820137.23	2.66E-08	1.03E-07	1.37E-09	1.31E-07	2.22E-08	7.58E-08	9.81E-10	9.89E-08	2.51E-09	1.33E-08	2.33E-10	1.60E-08	2.28E-09	6.95E-09	7.05E-11	9.31E-09
8890	470891.73	3820140.8	2.68E-08	1.04E-07	1.38E-09	1.32E-07	2.23E-08	7.63E-08	9.87E-10	9.96E-08	2.53E-09	1.34E-08	2.35E-10	1.61E-08	2.30E-09	7.00E-09	7.10E-11	9.37E-09
8891	470882.79	3820144.37	2.69E-08	1.04E-07	1.38E-09	1.33E-07	2.24E-08	7.68E-08	9.94E-10	1.00E-07	2.54E-09	1.34E-08	2.36E-10	1.62E-08	2.31E-09	7.04E-09	7.14E-11	9.43E-09
8892	470873.86	3820147.94	2.71E-08	1.05E-07	1.39E-09	1.34E-07	2.26E-08	7.73E-08	1.00E-09	1.01E-07	2.56E-09	1.35E-08	2.38E-10	1.63E-08	2.33E-09	7.09E-09	7.19E-11	9.49E-09
8893	470864.92	3820151.51	2.73E-08	1.06E-07	1.40E-09	1.34E-07	2.27E-08	7.77E-08	1.01E-09	1.01E-07	2.58E-09	1.36E-08	2.39E-10	1.64E-08	2.34E-09	7.13E-09	7.23E-11	9.54E-09
8894	470855.98	3820155.08	2.74E-08	1.06E-07	1.41E-09	1.35E-07	2.29E-08	7.82E-08	1.01E-09	1.02E-07	2.59E-09	1.37E-08	2.40E-10	1.65E-08	2.36E-09	7.17E-09	7.27E-11	9.60E-09
8895	470847.05	3820158.65	2.76E-08	1.07E-07	1.42E-09	1.36E-07	2.30E-08	7.87E-08	1.02E-09	1.03E-07	2.61E-09	1.38E-08	2.42E-10	1.66E-08	2.37E-09	7.22E-09	7.32E-11	9.66E-09
8896	470838.11	3820162.22	2.78E-08	1.08E-07	1.43E-09	1.37E-07	2.31E-08	7.92E-08	1.02E-09	1.03E-07	2.62E-09	1.39E-08	2.43E-10	1.67E-08	2.38E-09	7.26E-09	7.36E-11	9.72E-09
8897	470829.17	3820165.79	2.80E-08	1.08E-07	1.44E-09	1.38E-07	2.33E-08	7.97E-08	1.03E-09	1.04E-07	2.64E-09	1.40E-08	2.45E-10	1.68E-08	2.40E-09	7.31E-09	7.41E-11	9.78E-09
8898	470820.24	3820169.36	2.81E-08	1.09E-07	1.45E-09	1.39E-07	2.34E-08	8.02E-08	1.04E-09	1.05E-07	2.66E-09	1.40E-08	2.47E-10	1.70E-08	2.42E-09	7.36E-09	7.46E-11	9.85E-09
8899	470811.3	3820172.93	2.83E-08	1.10E-07	1.46E-09	1.40E-07	2.36E-08	8.07E-08	1.04E-09	1.05E-07	2.67E-09	1.41E-08	2.48E-10	1.71E-08	2.43E-09	7.40E-09	7.51E-11	9.91E-09
8900	470802.36	3820176.5	2.85E-08	1.11E-07	1.46E-09	1.41E-07	2.37E-08	8.12E-08	1.05E-09	1.06E-07	2.69E-09	1.42E-08	2.50E-10	1.72E-08	2.45E-09	7.45E-09	7.56E-11	9.97E-09
8901	470793.43	3820180.07	2.87E-08	1.11E-07	1.47E-09	1.41E-07	2.39E-08	8.18E-08	1.06E-09	1.07E-07	2.71E-09	1.43E-08	2.51E-10	1.73E-08	2.46E-09	7.50E-09	7.61E-11	1.00E-08
8902	470784.49	3820183.64	2.89E-08	1.12E-07	1.48E-09	1.42E-07	2.41E-08	8.23E-08	1.07E-09	1.07E-07	2.73E-09	1.44E-08	2.53E-10	1.74E-08	2.48E-09	7.55E-09	7.66E-11	1.01E-08
8903	470704.06	3820215.78	3.11E-08	1.21E-07	1.60E-09	1.53E-07	2.59E-08	8.87E-08	1.15E-09	1.16E-07	2.94E-09	1.55E-08	2.73E-10	1.87E-08	2.67E-09	8.13E-09	8.25E-11	1.09E-08
8904	470695.12	3820219.35	3.14E-08	1.22E-07	1.61E-09	1.55E-07	2.62E-08	8.95E-08	1.16E-09	1.17E-07	2.97E-09	1.57E-08	2.75E-10	1.89E-08	2.70E-09	8.21E-09	8.33E-11	1.10E-08
8905	470686.19	3820222.92	3.17E-08	1.23E-07	1.63E-09	1.56E-07	2.64E-08	9.04E-08	1.17E-09	1.18E-07	3.00E-09	1.58E-08	2.78E-10	1.91E-08	2.72E-09	8.30E-09	8.41E-11	1.11E-08
8906	470677.25	3820226.49	3.21E-08	1.24E-07	1.65E-09	1.58E-07	2.67E-08	9.14E-08	1.18E-09	1.19E-07	3.03E-09	1.60E-08	2.81E-10	1.93E-08	2.75E-09	8.38E-09	8.50E-11	1.12E-08
8907	470668.31	3820230.06	3.24E-08	1.26E-07	1.67E-09	1.60E-07	2.70E-08	9.24E-08	1.20E-09	1.21E-07	3.06E-09	1.62E-08	2.84E-10	1.95E-08	2.78E-09	8.47E-09	8.59E-11	1.13E-08
8908	470659.38	3820233.63	3.28E-08	1.27E-07	1.68E-09	1.62E-07	2.73E-08	9.34E-08	1.21E-09	1.22E-07	3.09E-09	1.64E-08	2.87E-10	1.97E-08	2.81E-09	8.57E-09	8.69E-11	1.15E-08
8909	470650.44	3820237.2	3.31E-08	1.29E-07	1.70E-09	1.63E-07	2.76E-08	9.44E-08	1.22E-09	1.23E-07	3.13E-09	1.65E-08	2.90E-10	2.00E-08	2.84E-09	8.66E-09	8.79E-11	1.16E-08
8910	470641.5	3820240.77	3.35E-08	1.30E-07	1.72E-09	1.65E-07	2.79E-08	9.56E-08	1.24E-09	1.25E-07	3.17E-09	1.67E-08	2.94E-10	2.02E-08	2.88E-09	8.77E-09	8.89E-11	1.17E-08
8911	470632.57	3820244.34	3.39E-08	1.32E-07	1.74E-09	1.67E-07	2.83E-08	9.67E-08	1.25E-09	1.26E-07	3.20E-09	1.69E-08	2.97E-10	2.04E-08	2.91E-09	8.87E-09	9.00E-11	1.19E-08
8912	470623.63	3820247.92	3.44E-08	1.33E-07	1.76E-09	1.69E-07	2.86E-08	9.79E-08	1.27E-09	1.28E-07	3.24E-09	1.71E-08	3.01E-10	2.07E-08	2.95E-09	8.98E-09	9.11E-11	1.20E-08
8913	470614.69	3820251.49	3.48E-08	1.35E-07	1.79E-09	1.71E-07	2.90E-08	9.91E-08	1.28E-09	1.29E-07	3.28E-09	1.74E-08	3.05E-10	2.09E-08	2.98E-09	9.09E-09	9.21E-11	1.22E-08
8914	470605.76	3820255.06	3.52E-08	1.36E-07	1.81E-09	1.73E-07	2.93E-08	1.00E-07	1.30E-09	1.31E-07	3.32E-09	1.76E-08	3.08E-10	2.12E-08	3.02E-09	9.20E-09	9.32E-11	1.23E-08
8915	470596.82	3820258.63	3.56E-08	1.38E-07	1.83E-09	1.75E-07	2.97E-08	1.01E-07	1.31E-09	1.32E-07	3.36E-09	1.78E-08	3.12E-10	2.14E-08	3.06E-09	9.31E-09	9.44E-11	1.25E-08
8916	470587.88	3820262.2	3.60E-08	1.40E-07	1.85E-09	1.78E-07	3.00E-08	1.03E-07	1.33E-09	1.34E-07	3.40E-09	1.80E-08	3.16E-10	2.17E-08	3.09E-09	9.42E-09	9.55E-11	1.26E-08
8917	470578.95	3820265.77	3.64E-08	1.41E-07	1.87E-09	1.80E-07	3.04E-08	1.04E-07	1.34E-09	1.36E-07	3.44E-09	1.82E-08	3.19E-10	2.20E-08	3.13E-09	9.53E-09	9.66E-11	1.28E-08
8918	470570.01	3820269.34	3.69E-08	1.43E-07	1.89E-09	1.82E-07	3.07E-08	1.05E-07	1.36E-09	1.37E-07	3.48E-09	1.84E-08	3.23E-10	2.22E-08	3.16E-09	9.63E-09	9.77E-11	1.29E-08
8919	470561.07	3820272.91	3.73E-08	1.45E-07	1.91E-09	1.84E-07	3.10E-08	1.06E-07	1.37E-09	1.39E-07	3.52E-09	1.86E-08	3.27E-10	2.24E-08	3.20E-09	9.74E-09	9.88E-11	1.30E-08
8920	470552.14	3820276.48	3.77E-08	1.46E-07	1.94E-09	1.86E-07	3.14E-08	1.07E-07	1.39E-09	1.40E-07	3.56E-09	1.88E-08	3.30E-10	2.27E-08	3.23E-09	9.85E-09	9.99E-11	1.32E-08
8921	470543.2	3820280.05	3.81E-08	1.48E-07	1.96E-09	1.88E-07	3.17E-08	1.08E-07	1.40E-09	1.42E-07	3.59E-09	1.90E-08	3.34E-10	2.29E-08	3.27E-09	9.95E-09	1.01E-10	1.33E-08
8922	470534.26	3820283.62	3.84E-08	1.49E-07	1.98E-09	1.90E-07	3.20E-08	1.10E-07	1.42E-09	1.43E-07	3.63E-09	1.92E-08	3.37E-10	2.32E-08	3.30E-09	1.00E-08	1.02E-10	1.35E-08
8923	470525.33	3820287.19	3.88E-08	1.51E-07	1.99E-09	1.91E-07	3.23E-08	1.11E-07	1.43E-09	1.44E-07	3.67E-09	1.94E-08	3.40E-10	2.34E-08	3.33E-09	1.01E-08	1.03E-10	1.36E-08
8924	470516.39	3820290.76	3.92E-08	1.52E-07	2.01E-09	1.93E-07	3.26E-08	1.12E-07	1.44E-09	1.46E-07	3.70E-09	1.96E-08	3.43E-10	2.36E-08	3.36E-09	1.02E-08	1.04E-10

8925	470507.45	3820294.33	3.95E-08	1.53E-07	2.03E-09	1.95E-07	3.29E-08	1.13E-07	1.46E-09	1.47E-07	3.73E-09	1.97E-08	3.46E-10	2.38E-08	3.39E-09	1.03E-08	1.05E-10	1.38E-08
8926	470498.52	3820297.9	3.99E-08	1.55E-07	2.05E-09	1.96E-07	3.32E-08	1.14E-07	1.47E-09	1.48E-07	3.76E-09	1.99E-08	3.49E-10	2.40E-08	3.42E-09	1.04E-08	1.06E-10	1.39E-08
8927	470489.58	3820301.47	4.02E-08	1.56E-07	2.06E-09	1.98E-07	3.35E-08	1.14E-07	1.48E-09	1.49E-07	3.79E-09	2.01E-08	3.52E-10	2.42E-08	3.45E-09	1.05E-08	1.07E-10	1.41E-08
8928	470480.64	3820305.04	4.05E-08	1.57E-07	2.08E-09	2.00E-07	3.37E-08	1.15E-07	1.49E-09	1.51E-07	3.82E-09	2.02E-08	3.55E-10	2.44E-08	3.47E-09	1.06E-08	1.07E-10	1.42E-08
8929	470471.71	3820308.62	4.07E-08	1.58E-07	2.09E-09	2.01E-07	3.39E-08	1.16E-07	1.50E-09	1.52E-07	3.85E-09	2.03E-08	3.57E-10	2.45E-08	3.50E-09	1.07E-08	1.08E-10	1.43E-08
8930	470462.77	3820312.19	4.10E-08	1.59E-07	2.11E-09	2.02E-07	3.41E-08	1.17E-07	1.51E-09	1.52E-07	3.87E-09	2.05E-08	3.59E-10	2.47E-08	3.52E-09	1.07E-08	1.09E-10	1.43E-08
8931	470453.83	3820315.76	4.12E-08	1.60E-07	2.12E-09	2.03E-07	3.43E-08	1.17E-07	1.52E-09	1.53E-07	3.89E-09	2.06E-08	3.61E-10	2.48E-08	3.54E-09	1.08E-08	1.09E-10	1.44E-08
8932	470444.9	3820319.33	4.14E-08	1.61E-07	2.13E-09	2.04E-07	3.45E-08	1.18E-07	1.53E-09	1.54E-07	3.91E-09	2.07E-08	3.63E-10	2.50E-08	3.56E-09	1.08E-08	1.10E-10	1.45E-08
8933	470435.96	3820322.9	4.16E-08	1.62E-07	2.14E-09	2.05E-07	3.47E-08	1.19E-07	1.54E-09	1.55E-07	3.93E-09	2.08E-08	3.65E-10	2.51E-08	3.58E-09	1.09E-08	1.10E-10	1.46E-08
8934	470427.02	3820326.47	4.18E-08	1.62E-07	2.15E-09	2.06E-07	3.49E-08	1.19E-07	1.54E-09	1.56E-07	3.95E-09	2.09E-08	3.67E-10	2.52E-08	3.59E-09	1.09E-08	1.11E-10	1.46E-08
8935	470418.09	3820330.04	4.20E-08	1.63E-07	2.16E-09	2.07E-07	3.50E-08	1.20E-07	1.55E-09	1.56E-07	3.97E-09	2.10E-08	3.68E-10	2.53E-08	3.61E-09	1.10E-08	1.11E-10	1.47E-08
8936	470409.15	3820333.61	4.22E-08	1.64E-07	2.17E-09	2.08E-07	3.52E-08	1.20E-07	1.56E-09	1.57E-07	3.99E-09	2.11E-08	3.70E-10	2.54E-08	3.62E-09	1.10E-08	1.12E-10	1.48E-08
8937	470400.21	3820337.18	4.24E-08	1.64E-07	2.18E-09	2.09E-07	3.53E-08	1.21E-07	1.56E-09	1.58E-07	4.00E-09	2.12E-08	3.71E-10	2.55E-08	3.64E-09	1.11E-08	1.12E-10	1.48E-08
8938	470391.28	3820340.75	4.25E-08	1.65E-07	2.19E-09	2.10E-07	3.54E-08	1.21E-07	1.57E-09	1.58E-07	4.02E-09	2.12E-08	3.73E-10	2.56E-08	3.65E-09	1.11E-08	1.13E-10	1.49E-08
8939	470382.34	3820344.32	4.27E-08	1.66E-07	2.19E-09	2.10E-07	3.56E-08	1.22E-07	1.57E-09	1.59E-07	4.03E-09	2.13E-08	3.74E-10	2.57E-08	3.66E-09	1.12E-08	1.13E-10	1.49E-08
8940	470373.4	3820347.89	4.28E-08	1.66E-07	2.20E-09	2.11E-07	3.57E-08	1.22E-07	1.58E-09	1.59E-07	4.04E-09	2.14E-08	3.75E-10	2.58E-08	3.68E-09	1.12E-08	1.14E-10	1.50E-08
8941	470364.47	3820351.46	4.30E-08	1.67E-07	2.21E-09	2.12E-07	3.58E-08	1.22E-07	1.58E-09	1.60E-07	4.06E-09	2.15E-08	3.76E-10	2.59E-08	3.69E-09	1.12E-08	1.14E-10	1.50E-08
8942	470355.53	3820355.03	4.31E-08	1.67E-07	2.21E-09	2.12E-07	3.59E-08	1.23E-07	1.59E-09	1.60E-07	4.07E-09	2.15E-08	3.78E-10	2.60E-08	3.70E-09	1.13E-08	1.14E-10	1.51E-08
8943	470346.59	3820358.6	4.32E-08	1.68E-07	2.22E-09	2.13E-07	3.60E-08	1.23E-07	1.59E-09	1.61E-07	4.08E-09	2.16E-08	3.79E-10	2.60E-08	3.71E-09	1.13E-08	1.15E-10	1.51E-08
8944	470337.66	3820362.17	4.34E-08	1.68E-07	2.23E-09	2.14E-07	3.61E-08	1.24E-07	1.60E-09	1.61E-07	4.09E-09	2.16E-08	3.80E-10	2.61E-08	3.72E-09	1.13E-08	1.15E-10	1.52E-08
8945	470328.72	3820365.74	4.35E-08	1.69E-07	2.23E-09	2.14E-07	3.62E-08	1.24E-07	1.60E-09	1.62E-07	4.11E-09	2.17E-08	3.81E-10	2.62E-08	3.73E-09	1.14E-08	1.15E-10	1.52E-08
8946	470319.78	3820369.32	4.36E-08	1.69E-07	2.24E-09	2.15E-07	3.63E-08	1.24E-07	1.61E-09	1.62E-07	4.12E-09	2.18E-08	3.82E-10	2.63E-08	3.74E-09	1.14E-08	1.16E-10	1.53E-08
8947	470310.85	3820372.89	4.37E-08	1.70E-07	2.25E-09	2.16E-07	3.64E-08	1.25E-07	1.61E-09	1.63E-07	4.13E-09	2.18E-08	3.83E-10	2.63E-08	3.75E-09	1.14E-08	1.16E-10	1.53E-08
8948	470301.91	3820376.46	4.39E-08	1.70E-07	2.25E-09	2.16E-07	3.65E-08	1.25E-07	1.62E-09	1.63E-07	4.14E-09	2.19E-08	3.84E-10	2.64E-08	3.77E-09	1.15E-08	1.16E-10	1.54E-08
8949	470292.97	3820380.03	4.40E-08	1.71E-07	2.26E-09	2.17E-07	3.67E-08	1.25E-07	1.62E-09	1.64E-07	4.16E-09	2.20E-08	3.86E-10	2.65E-08	3.78E-09	1.15E-08	1.17E-10	1.54E-08
8950	470284.04	3820383.6	4.42E-08	1.71E-07	2.27E-09	2.18E-07	3.68E-08	1.26E-07	1.63E-09	1.64E-07	4.17E-09	2.20E-08	3.87E-10	2.66E-08	3.79E-09	1.15E-08	1.17E-10	1.55E-08
8951	470275.1	3820387.17	4.43E-08	1.72E-07	2.28E-09	2.18E-07	3.69E-08	1.26E-07	1.63E-09	1.65E-07	4.18E-09	2.21E-08	3.88E-10	2.67E-08	3.80E-09	1.16E-08	1.17E-10	1.55E-08
8952	471219.22	3819458.89	2.52E-08	9.78E-08	1.30E-09	1.24E-07	2.10E-08	7.18E-08	9.30E-10	9.38E-08	2.38E-09	1.26E-08	2.21E-10	1.52E-08	2.16E-09	6.59E-09	6.68E-11	8.82E-09
8953	471219.3	3819449.24	2.51E-08	9.75E-08	1.29E-09	1.24E-07	2.09E-08	7.16E-08	9.27E-10	9.35E-08	2.37E-09	1.26E-08	2.20E-10	1.51E-08	2.16E-09	6.57E-09	6.66E-11	8.80E-09
8954	471219.38	3819439.59	2.51E-08	9.72E-08	1.29E-09	1.24E-07	2.09E-08	7.14E-08	9.24E-10	9.32E-08	2.37E-09	1.25E-08	2.20E-10	1.51E-08	2.15E-09	6.55E-09	6.64E-11	8.77E-09
8955	471219.79	3819391.35	2.45E-08	9.50E-08	1.26E-09	1.21E-07	2.04E-08	6.98E-08	9.04E-10	9.11E-08	2.31E-09	1.22E-08	2.15E-10	1.48E-08	2.10E-09	6.41E-09	6.50E-11	8.57E-09
8956	471219.88	3819381.7	2.44E-08	9.45E-08	1.25E-09	1.20E-07	2.03E-08	6.94E-08	8.98E-10	9.06E-08	2.30E-09	1.22E-08	2.13E-10	1.47E-08	2.09E-09	6.37E-09	6.46E-11	8.52E-09
8957	471219.96	3819372.06	2.42E-08	9.38E-08	1.24E-09	1.19E-07	2.02E-08	6.90E-08	8.92E-10	9.00E-08	2.28E-09	1.21E-08	2.12E-10	1.46E-08	2.08E-09	6.32E-09	6.41E-11	8.47E-09
8958	471220.04	3819362.41	2.40E-08	9.32E-08	1.23E-09	1.18E-07	2.00E-08	6.85E-08	8.86E-10	8.94E-08	2.27E-09	1.20E-08	2.11E-10	1.45E-08	2.06E-09	6.28E-09	6.37E-11	8.41E-09
8959	471220.13	3819352.76	2.38E-08	9.25E-08	1.23E-09	1.18E-07	1.99E-08	6.79E-08	8.79E-10	8.87E-08	2.25E-09	1.19E-08	2.09E-10	1.44E-08	2.05E-09	6.23E-09	6.32E-11	8.34E-09
8960	471220.21	3819343.11	2.36E-08	9.17E-08	1.21E-09	1.17E-07	1.97E-08	6.74E-08	8.72E-10	8.80E-08	2.23E-09	1.18E-08	2.07E-10	1.42E-08	2.03E-09	6.18E-09	6.27E-11	8.27E-09
8961	471220.29	3819333.46	2.34E-08	9.09E-08	1.20E-09	1.16E-07	1.95E-08	6.68E-08	8.64E-10	8.72E-08	2.21E-09	1.17E-08	2.05E-10	1.41E-08	2.01E-09	6.13E-09	6.21E-11	8.20E-09
8962	471220.37	3819323.82	2.32E-08	9.00E-08	1.19E-09	1.14E-07	1.93E-08	6.62E-08	8.56E-10	8.64E-08	2.19E-09	1.16E-08	2.03E-10	1.40E-08	1.99E-09	6.07E-09	6.15E-11	8.12E-09
8963	471220.46	3819314.17	2.30E-08	8.91E-08	1.18E-09	1.13E-07	1.91E-08	6.55E-08	8.47E-10	8.55E-08	2.17E-09	1.15E-08	2.01E-10	1.38E-08	1.97E-09	6.01E-09	6.09E-11	8.04E-09
8964	471220.54	3819304.52	2.27E-08	8.82E-08	1.17E-09	1.12E-07	1.89E-08	6.48E-08	8.38E-10	8.46E-08	2.15E-09	1.13E-08	1.99E-10	1.37E-08	1.95E-09	5.94E-09	6.03E-11	7.95E-09
8965	471220.62	3819294.87	2.25E-08	8.72E-08	1.15E-09	1.11E-07	1.87E-08	6.40E-08	8.29E-10	8.36E-08	2.12E-09	1.12E-08	1.97E-10	1.35E-08	1.93E-09	5.87E-09	5.96E-11	7.86E-09
8966	471220.7	3819285.22	2.22E-08	8.61E-08	1.14E-09	1.09E-07	1.85E-08	6.33E-08	8.19E-10	8.26E-08	2.10E-09	1.11E-08	1.95E-10	1.34E-08	1.91E-09	5.80E-09	5.89E-11	7.77E-09
8967	471220.79	3819275.57	2.19E-08	8.50E-08	1.13E-09	1.08E-07	1.83E-08	6.25E-08	8.09E-10	8.15E-08	2.07E-09	1.09E-08	1.92E-10	1.32E-08	1.88E-09	5.73E-09	5.81E-11	7.67E-09
8968	471220.87	3819265.93	2.16E-08	8.39E-08	1.11E-09	1.07E-07	1.80E-08	6.17E-08	7.98E-10	8.05E-08	2.04E-09	1.08E-08	1.90E-10	1.30E-08	1.86E-09	5.66E-09	5.74E-11	7.57E-09
8969	471220.95	3819256.28	2.13E-08	8.28E-08	1.10E-09	1.05E-07	1.78E-08	6.08E-08	7.87E-10	7.94E-08	2.01E-09	1.07E-08	1.87E-10	1.29E-08	1.83E-09	5.58E-09	5.66E-11	7.47E-09
8970	471221.04	3819246.63	2.10E-08	8.15E-08	1.08E-09	1.04E-07	1.75E-08	5.99E-08	7.75E-10	7.82E-08	1.99E-09	1.05E-08	1.84E-10	1.27E-08	1.80E-09	5.50E-09	5.57E-11	7.36E-09
8971	471269.27	3819529.88	2.30E-08	8.92E-08	1.18E-09	1.13E-07	1.92E-08	6.56E-08	8.49E-10	8.56E-08	2.17E-09	1.15E-08	2.02E-10	1.39E-08	1.98E-09	6.01E-09	6.10E-11	8.05E-09
8972	471265.53	3819538.66	2.32E-08	8.99E-08	1.19E-09	1.14E-07	1.93E-08	6.61E-08	8.55E-10	8.62E-08	2.19E-09	1.16E-08	2.03E-10	1.40E-08	1.99E-09	6.06E-09	6.14E-11	8.11E-09
8973	471261.79	3819547.45	2.33E-08	9.05E-08	1.20E-09	1.15E-07	1.94E-08	6.65E-08	8.61E-10	8.68E-08	2.20E-09	1.17E-08	2.05E-10	1.41E-08	2.00E-09	6.10E-09	6.19E-11	8.17E-09
8974	471258.05	3819556.24	2.35E-08	9.12E-08	1.21E-09	1.16E-07	1.96E-08	6.70E-08	8.67E-10	8.74E-08	2.22E-09	1.17E-08	2.06E-10	1.42E-08	2.02E-09	6.14E-09	6.23E-11	8.22E-09
8975	471254.3	3819565.02	2.37E-08	9.18E-08	1.22E-09	1.17E-07	1.97E-08	6.74E-08	8.73E-10	8.80E-08	2.23E-09	1.18E-08	2.07E-10	1.43E-08	2.03E-09	6.19E-09	6.27E-11	8.28E-09
8976	471250.56	3819573.81	2.38E-08	9.24E-08	1.22E-09	1.17E-07	1.98E-08	6.79E-08	8.78E-10	8.86E-08	2.25E-09	1.19E-08	2.09E-10	1.43E-08	2.04E-09	6.22E-09	6.31E-11	8.33E-09
8977	471246.82	3819582.6	2.40E-08	9.29E-08	1.23E-09	1.18E-07	2.00E-08	6.83E-08	8.84E-10	8.91E-08	2.26E-09	1.20E-08	2.10E-10	1.44E-08	2.06E-09	6.26E-09	6.35E-11	8.38E-09
8978	471243.08	3819591.39	2.41E-08	9.35E-08	1.24E-09	1.19E-07	2.01E-08	6.87E-08	8.89E-10	8.97E-08	2.28E-09	1.20E-08	2.11E-10	1.45E-08	2.07E-09	6.30E-09	6.39E-11	8.43E-09
8979	471239.34	3819600.17	2.42E-08	9.40E-08	1.25E-09	1.20E-07	2.02E-08	6.91E-08	8.94E-10	9.02E-08	2.29E-09	1.21E-08	2.12E-10	1.46E-08	2.08E-09	6.34E-09	6.43E-11	8.48E-09
8980	471235.59	3819608.96	2.44E-08	9.46E-08	1.25E-09	1.20E-07	2.03E-08	6.95E-08	8.99E-10	9.07E-08	2.30E-09	1.22E-08	2.14E-10	1.47E-08	2.09E-09	6.37E-09	6.46E-11	8.53E-09
8981	471231.85	3819617.75	2.45E-08	9.51E-08	1.26E-09	1.21E-07	2.04E-08	6.99E-08	9.04E-10	9.12E-08	2.31E-09	1.22E-08	2.15E-10	1.48E-08	2.10E-09	6.41E-09	6.50E-11	8.58E-09
8982	471228.11	3819626.54	2.46E-08	9.56E-08	1.27E-09	1.21E-07	2.05E-08	7.02E-08	9.09E-10	9.16E-08	2.33E-09	1.23E-08	2.16E-10	1.48E-08	2.12E-09	6.44E-09	6.53E-11	8.62E-09
8983	471224.37	3819635.32	2.48E-08	9.60E-08	1.27E-09	1.22E-07	2.06E-08	7.06E-08	9.13E-10	9.21E-08	2.34E-09	1.24E-08	2.17E-10	1.49E-08	2.13E-09	6.47E-09	6.56E-11	8.66E-09
8984	471220.62	3819644.11	2.49E-08	9.65E-08	1.28E-09	1.23E-07	2.07E-08	7.09E-08	9.17E-10	9.25E-08	2.35E-09	1.24E-08	2.18E-10	1.50E-08	2.14E-09	6.50E-09	6.59E-11	8.71E-09
8985	471216.88	3819652.9	2.50E-08	9.69E-08	1.28E-09	1.23E-07	2.08E-08	7.12E-08	9.22E-10	9.29E-08	2.36E-09	1.25E-08	2.19E-10	1.51E-08	2.15E-09	6.53E-09	6.62E-11	8.74E-09
8986	471213.14	3819661.69	2.51E-08	9.73E-08	1.29E-09	1.24E-07	2.09E-08	7.15E-08	9.25E-10	9.33E-08	2.37E-09	1.25E-08	2.20E-10	1.51E-08	2.15E-09	6.56E-09	6.65E-11	8.78E-09
8987	471209.4	3819670.47	2.52E-08	9.77E-08	1.29E-09	1.24E-07	2.10E-08	7.18E-08	9.29E-10	9.37E-08	2.38E-09	1.26E-08	2.21E-10	1.52E-08	2.16E-09	6.58E-09	6.68E-11	8.81E-09
8988	471205.65	3819679.26	2.53E-08	9.81E-08	1.30E-09	1.25E-07	2.11E-08	7.20E-08	9.32E-10	9.40E-08	2.39E-09	1.26E-08	2.22E-10	1.52E-08	2.17E-09	6.61E-09	6.70E-11	8.85E-09
8989	471201.91	3819688.05	2.54E-08	9.84E-08	1.30E-09	1.25E-07	2.11E-08	7.23E-08	9.35E-10	9.44E-08	2.40E-09	1.27E-08	2.22E-10	1.53E-08	2.18E-09	6.63E-09	6.72E-11	8.88E-09
8990	471198.17	3819696.84	2.54E-08	9.87E-08	1.31E-09	1.25E-07	2.12E-08	7.25E-08	9.38E-10	9.46E-08	2.40E-09	1.27E-08	2.23E-10	1.53E-08	2.18E-09	6.65E-09	6.74E-11	8.90E-09
8991	471194.43	3819705.62	2.55E-08	9.90E-08	1.31E-09	1.26E-07	2.13E-08	7.27E-08	9.41E-10	9.49E-08	2.41E-09	1.27E-08	2.24E-10	1.54E-08	2.19E-09	6.67E-09	6.76E-11	8.93E-09
8992	471190.68	3819714.41	2.56E-08	9.92E-08	1.31E-09	1.26E-07	2.13E-08	7.29E-08	9.43E-10	9.51E-08	2.42E-09	1.28E-08	2.24E-10	1.54E-08	2.20E-09	6.69E-09	6.78E-11	8.95E-09
8993	471186.94	3819723.2	2.56E-08	9.94E-08	1.32E-09	1.26E-07	2.14E-08	7.31E-08	9.45E-10	9.54E-08	2.42E-09	1.28E-08	2.25E-10	1.54E-08	2.20E-09	6.70E-09	6.80E-11	8.97E-09
8994	471183.2	3819731.99	2.57E-08	9.96E-08	1.32E-09	1.27E-07	2.14E-08	7.32E-08	9.47E-10	9.55E-08	2.43E-09	1.28E-08	2.25E-10	1.55E-08	2.20E-09	6.71E-09	6.81E-11	8.99E-09
8995	471179.46	3819740.77	2.57E-08	9.98E-08	1.32E-09	1.27E-07	2.14E-08	7.33E-08	9.49E-10	9.57E-08	2.43E-09	1.28E-08	2.25E-10	1.55E-08	2.21E-09	6.72E-09	6.82E-11	9.00E-09
8996	471175.72	3819749.56	2.58E-08	9.99E-08	1.32E-09	1.27E-07	2.15E-08	7.34E-08	9.50E-10	9.58E-08	2.43E-09	1.29E-08	2.26E-10	1.55E-08	2.21E-09	6.73E-09	6.83E-11	9.01E-09
8997	471171.97	3819758.35	2.58E-08	1.00E-07	1.32E-09	1.27E-07	2.15E-08	7.35E-08	9.51E-10	9.59E-08	2.43E-09	1.29E-08	2.26E-10	1.55E-08	2.21E-09	6.74E-09	6.83E-11	9.02E-09
8998	471168.23	3819767.14	2.58E-08	1.00E-07	1.33E-09	1.27E-07	2.15E-08	7.35E-08	9.52E-10	9.60E-08	2.44E-09	1.29E-08	2.26E-10	1.55E-08	2.21E-09	6.75E-09	6.84E-11	9.03E-09
8999	471164.49	3819775.92	2.58E-08	1.00E-07	1.33E-09	1.27E-07	2.15E-08	7.36E-08	9.52E-10	9.60E-08	2.44E-09	1.29E-08	2.26E-10	1.56E-08	2.22E-09	6.75E-09	6.84E-11	9.03E-09
9000	471160.75	3819784.71	2.58E-08	1.00E-07	1.33E-09	1.27E-07	2.15E-08	7.36E-08	9.52E-10	9.60E-08	2.44E-09	1.29E-08	2.26E-10	1.56E-08	2.22E-09	6.75E-09	6.84E-11	9.03E-09
9001	471157	3819793.5	2.58E-08	1.00E-07	1.33E-09	1.27E-07	2.15E-08	7.36E-08	9.52E-10	9.60E-08	2.44E-09	1.29E-08	2.26E-10	1.56E-08	2.22E-09	6.75E-09	6.84E-11	9.03E-09
9002	471153.26	3819802.29	2.58E-08	1.00E-07	1.33E-09	1.27E-07	2.15E-08	7.35E-08	9.52E-10	9.60E-08	2.44E-09	1.29E-08	2.26E-10	1.55E-08	2.21E-09	6.75E-09	6.84E-11	9.03E-09
9003	471149.52	3819811.07	2.58E-08	1.00E-07	1.32E-09	1.27E-07	2.15E-08	7.35E-08	9.51E-10	9.59E-08	2.44E-09	1.29E-08	2.26E-10	1.55E-08	2.21E-09	6.74E-09	6.84E-11	9.02E-09
9004	471145.78	3819819.86	2.58E-08	9.99E-08	1.32E-09	1.27E-07	2.15E-08	7.34E-08	9.50E-10	9.58E-08	2.43E-09	1.29E-08	2.26E-10	1.55E-08	2.21E-09	6.74E-09	6.83E-11	9.02E-09
9005	471142.03	3819828.65	2.57E-08	9.98E-08	1.32E-09	1.27E-07	2.14E-08	7.34E-08	9.49E-10	9.57E-08	2.43E-09	1.29E-08	2.26E-10	1.55E-08	2.21E-09	6.73E-09	6.82E-11	9.01E-09
9006	471138.29	3819837.44	2.57E-08	9.97E-08	1.32E-09	1.27E-07	2.14E-08	7.33E-08	9.48E-10	9.56E-08	2.43E-09	1.28E-08	2.25E-10	1.55E-08	2.21E-09	6.72E-09	6.81E-11	9.00E-09
9007	471134.55	3819846.22	2.57E-08	9.95E-08	1.32E-09	1.27E-07	2.14E-08	7.31E-08	9.47E-10	9.55E-08	2.42E-09	1.28E-08	2.25E-10	1.55E-08	2.20E-09	6.71E-09	6.80E-11	8.98E-09
9008	471130.81	3819855.01	2.56E-08	9.94E-08	1.32E-09	1.26E-07	2.13E-08	7.30E-08	9.45E-10	9.53E-08	2.42E-09	1.28E-08	2.25E-10	1.54E-08	2.20E-09	6.70E-09	6.79E-11	8.97E-09
9009	471127.07	3819863.8	2.56E-08	9.92E-08	1.31E-09	1.26E-07	2.13E-08	7.29E-08	9.43E-10	9.51E-08	2.42E-09	1.28E-08	2.24E-10	1.54E-08	2.20E-09	6.69E-09	6.78E-11	8.95E-09
9010	471123.32	3819872.59	2.55E-08	9.90E-08	1.31E-09	1.26E-07	2.13E-08	7.28E-08	9.42E-10	9.50E-08	2.41E-09	1.27E-08	2.24E-10	1.54E-08	2.19E-09	6.67E-09	6.77E-11	8.93E-09
9011	471119.58	3819881.37	2.55E-08	9.88E-08	1.31E-09	1.26E-07	2.12E-08	7.26E-08	9.40E-10	9.48E-08	2.41E-09	1.27E-08	2.23E-10	1.53E-08	2.19E-09	6.66E-09	6.75E-11	8.92E-09
9012	471115.84	3819890.16	2.54E-08	9.86E-08	1.31E-09	1.25E-07	2.12E-08	7.25E-08	9.38E-10	9.46E-08	2.40E-09	1.27E-08	2.23E-10	1.53E-08	2.18E-09	6.65E-09	6.74E-11	8.90E-09
9013	471112.1	3819898.95	2.54E-08	9.84E-08	1.30E-09	1.25E-07	2.11E-08	7.23E-08	9.35E-10	9.43E-08	2.39E-09	1.27E-08	2.22E-10	1.53E-08	2.18E-09	6.63E-09	6.72E-11	8.87E-09
9014	471108.35	3819907.73	2.53E-08	9.81E-08	1.30E-09	1.25E-07	2.11E-08	7.21E-08	9.33E-10	9.41E-08	2.39E-09	1.26E-08	2.22E-10	1.52E-08	2.17E-09	6.61E-09	6.71E-11	8.85E-09
9015	471104.61	3819916.52	2.52E-08	9.79E-08	1.30E-09	1.24E-07	2.10E-08	7.19E-08	9.31E-10	9.39E-08	2.38E-09	1.26E-08	2.21E-10	1.52E-08	2.17E-09	6.60E-09	6.69E-11	8.83E-09
9016	471100.87	3819925.31	2.52E-08	9.76E-08	1.29E-09	1.24E-07	2.10E-08	7.17E-08	9.28E-10	9.36E-08	2.38E-09	1.26E-08	2.21E-10	1.52E-08	2.16E-09	6.58E-09	6.67E-11	8.81E-09
9017	471097.13	3819934.1	2.51E-08	9.74E-08	1.29E-09	1.24E-07	2.09E-08	7.16E-08	9.26E-10	9.34E-08	2.37E-09	1.25E-08	2.20E-10	1.51E-08	2.16E-09	6.56E-09	6.66E-11	8.79E-09
9018	471093.38	3819942.88	2.50E-08	9.71E-08	1.29E-09	1.23E-07	2.09E-08	7.14E-08	9.24E-10	9.31E-08	2.36E-09	1.25E-08	2.19E-10	1.51E-08	2.15E-09	6.55E-09	6.64E-11	8.76E-09
9019	471089.64	3819951.67	2.50E-08	9.69E-08	1.28E-09	1.23E-07	2.08E-08	7.12E-08	9.21E-10	9.29E-08	2.36E-09	1.25E-08	2.19E-10	1.50E-08	2.14E-09	6.53E-09	6.62E-11	8.74E-09
9020	471085.9	3819960.46	2.49E-08	9.66E-08	1.28E-09	1.23E-07	2.07E-08	7.10E-08	9.18E-10	9.26E-08	2.35E-09	1.24E-08	2.18E-10	1.50E-08	2.14E-09	6.51E-09	6.60E-11	8.

9021	471082.16	3819969.25	2.48E-08	9.63E-08	1.28E-09	1.22E-07	2.07E-08	7.08E-08	9.16E-10	9.24E-08	2.34E-09	1.24E-08	2.18E-10	1.50E-08	2.13E-09	6.49E-09	6.58E-11	8.69E-09
9022	471078.41	3819978.03	2.48E-08	9.60E-08	1.27E-09	1.22E-07	2.06E-08	7.06E-08	9.13E-10	9.21E-08	2.34E-09	1.24E-08	2.17E-10	1.49E-08	2.13E-09	6.47E-09	6.56E-11	8.66E-09
9023	471074.67	3819986.82	2.47E-08	9.57E-08	1.27E-09	1.22E-07	2.06E-08	7.03E-08	9.10E-10	9.18E-08	2.33E-09	1.23E-08	2.16E-10	1.49E-08	2.12E-09	6.45E-09	6.54E-11	8.64E-09
9024	471070.93	3819995.61	2.46E-08	9.54E-08	1.26E-09	1.21E-07	2.05E-08	7.01E-08	9.08E-10	9.15E-08	2.32E-09	1.23E-08	2.16E-10	1.48E-08	2.11E-09	6.43E-09	6.52E-11	8.61E-09
9025	471067.19	3820004.4	2.45E-08	9.52E-08	1.26E-09	1.21E-07	2.04E-08	6.99E-08	9.05E-10	9.13E-08	2.32E-09	1.23E-08	2.15E-10	1.48E-08	2.11E-09	6.41E-09	6.50E-11	8.59E-09
9026	471063.45	3820013.18	2.45E-08	9.49E-08	1.26E-09	1.21E-07	2.04E-08	6.97E-08	9.02E-10	9.10E-08	2.31E-09	1.22E-08	2.14E-10	1.47E-08	2.10E-09	6.39E-09	6.48E-11	8.56E-09
9027	471059.7	3820021.97	2.44E-08	9.46E-08	1.25E-09	1.20E-07	2.03E-08	6.95E-08	8.99E-10	9.07E-08	2.30E-09	1.22E-08	2.14E-10	1.47E-08	2.09E-09	6.37E-09	6.46E-11	8.53E-09
9028	471055.96	3820030.76	2.43E-08	9.43E-08	1.25E-09	1.20E-07	2.02E-08	6.93E-08	8.96E-10	9.04E-08	2.30E-09	1.21E-08	2.13E-10	1.46E-08	2.09E-09	6.35E-09	6.44E-11	8.51E-09
9029	471052.22	3820039.55	2.42E-08	9.39E-08	1.24E-09	1.19E-07	2.02E-08	6.90E-08	8.93E-10	9.01E-08	2.29E-09	1.21E-08	2.12E-10	1.46E-08	2.08E-09	6.33E-09	6.42E-11	8.48E-09
9030	471048.48	3820048.33	2.41E-08	9.36E-08	1.24E-09	1.19E-07	2.01E-08	6.88E-08	8.90E-10	8.98E-08	2.28E-09	1.21E-08	2.12E-10	1.45E-08	2.07E-09	6.31E-09	6.40E-11	8.45E-09
9031	471044.73	3820057.12	2.41E-08	9.33E-08	1.24E-09	1.19E-07	2.00E-08	6.86E-08	8.87E-10	8.95E-08	2.27E-09	1.20E-08	2.11E-10	1.45E-08	2.07E-09	6.29E-09	6.38E-11	8.42E-09
9032	471040.99	3820065.91	2.40E-08	9.30E-08	1.23E-09	1.18E-07	2.00E-08	6.83E-08	8.84E-10	8.92E-08	2.26E-09	1.20E-08	2.10E-10	1.44E-08	2.06E-09	6.27E-09	6.35E-11	8.39E-09
9033	471037.25	3820074.7	2.39E-08	9.26E-08	1.23E-09	1.18E-07	1.99E-08	6.80E-08	8.81E-10	8.88E-08	2.25E-09	1.19E-08	2.09E-10	1.44E-08	2.05E-09	6.24E-09	6.33E-11	8.36E-09
9034	471033.51	3820083.48	2.38E-08	9.22E-08	1.22E-09	1.17E-07	1.98E-08	6.78E-08	8.77E-10	8.85E-08	2.25E-09	1.19E-08	2.08E-10	1.43E-08	2.04E-09	6.22E-09	6.30E-11	8.32E-09
9035	471029.76	3820092.27	2.37E-08	9.19E-08	1.22E-09	1.17E-07	1.97E-08	6.75E-08	8.74E-10	8.81E-08	2.24E-09	1.18E-08	2.08E-10	1.43E-08	2.03E-09	6.19E-09	6.28E-11	8.29E-09
9036	471026.02	3820101.06	2.36E-08	9.15E-08	1.21E-09	1.16E-07	1.96E-08	6.72E-08	8.70E-10	8.77E-08	2.23E-09	1.18E-08	2.07E-10	1.42E-08	2.02E-09	6.17E-09	6.25E-11	8.25E-09
9037	471022.28	3820109.85	2.35E-08	9.11E-08	1.21E-09	1.16E-07	1.96E-08	6.69E-08	8.66E-10	8.74E-08	2.22E-09	1.17E-08	2.06E-10	1.42E-08	2.02E-09	6.14E-09	6.23E-11	8.22E-09
9038	471018.54	3820118.63	2.34E-08	9.07E-08	1.20E-09	1.15E-07	1.95E-08	6.66E-08	8.62E-10	8.70E-08	2.21E-09	1.17E-08	2.05E-10	1.41E-08	2.01E-09	6.11E-09	6.20E-11	8.18E-09
9039	471014.8	3820127.42	2.33E-08	9.03E-08	1.20E-09	1.15E-07	1.94E-08	6.63E-08	8.59E-10	8.66E-08	2.20E-09	1.16E-08	2.04E-10	1.40E-08	2.00E-09	6.09E-09	6.17E-11	8.15E-09
9040	471011.05	3820136.21	2.32E-08	8.99E-08	1.19E-09	1.14E-07	1.93E-08	6.60E-08	8.55E-10	8.62E-08	2.19E-09	1.16E-08	2.03E-10	1.40E-08	1.99E-09	6.06E-09	6.14E-11	8.11E-09
9041	471007.31	3820145	2.31E-08	8.94E-08	1.18E-09	1.14E-07	1.92E-08	6.57E-08	8.50E-10	8.58E-08	2.18E-09	1.15E-08	2.02E-10	1.39E-08	1.98E-09	6.03E-09	6.11E-11	8.07E-09
9042	471003.57	3820153.78	2.29E-08	8.90E-08	1.18E-09	1.13E-07	1.91E-08	6.54E-08	8.46E-10	8.53E-08	2.17E-09	1.15E-08	2.01E-10	1.38E-08	1.97E-09	6.00E-09	6.08E-11	8.03E-09
9043	470999.83	3820162.57	2.28E-08	8.85E-08	1.17E-09	1.13E-07	1.90E-08	6.50E-08	8.42E-10	8.49E-08	2.16E-09	1.14E-08	2.00E-10	1.38E-08	1.96E-09	5.97E-09	6.05E-11	7.99E-09
9044	470996.08	3820171.36	2.27E-08	8.80E-08	1.17E-09	1.12E-07	1.89E-08	6.47E-08	8.37E-10	8.44E-08	2.14E-09	1.13E-08	1.99E-10	1.37E-08	1.95E-09	5.93E-09	6.02E-11	7.94E-09
9045	470965.73	3820190.78	2.30E-08	8.92E-08	1.18E-09	1.13E-07	1.92E-08	6.56E-08	8.49E-10	8.56E-08	2.17E-09	1.15E-08	2.02E-10	1.39E-08	1.98E-09	6.01E-09	6.10E-11	8.05E-09
9046	470956.86	3820194.32	2.32E-08	8.98E-08	1.19E-09	1.14E-07	1.93E-08	6.60E-08	8.54E-10	8.61E-08	2.19E-09	1.16E-08	2.03E-10	1.39E-08	1.99E-09	6.05E-09	6.14E-11	8.10E-09
9047	470947.99	3820197.86	2.33E-08	9.03E-08	1.20E-09	1.15E-07	1.94E-08	6.64E-08	8.59E-10	8.66E-08	2.20E-09	1.16E-08	2.04E-10	1.40E-08	2.00E-09	6.09E-09	6.17E-11	8.15E-09
9048	470939.12	3820201.41	2.34E-08	9.09E-08	1.20E-09	1.15E-07	1.95E-08	6.68E-08	8.64E-10	8.71E-08	2.21E-09	1.17E-08	2.05E-10	1.41E-08	2.01E-09	6.12E-09	6.21E-11	8.20E-09
9049	470930.26	3820204.95	2.36E-08	9.14E-08	1.21E-09	1.16E-07	1.96E-08	6.72E-08	8.69E-10	8.77E-08	2.23E-09	1.18E-08	2.07E-10	1.42E-08	2.02E-09	6.16E-09	6.25E-11	8.25E-09
9050	470921.39	3820208.5	2.37E-08	9.19E-08	1.22E-09	1.17E-07	1.97E-08	6.75E-08	8.74E-10	8.82E-08	2.24E-09	1.18E-08	2.08E-10	1.43E-08	2.03E-09	6.20E-09	6.28E-11	8.29E-09
9051	470912.52	3820212.04	2.38E-08	9.25E-08	1.22E-09	1.18E-07	1.99E-08	6.79E-08	8.79E-10	8.87E-08	2.25E-09	1.19E-08	2.09E-10	1.44E-08	2.05E-09	6.23E-09	6.32E-11	8.34E-09
9052	470903.65	3820215.58	2.40E-08	9.30E-08	1.23E-09	1.18E-07	2.00E-08	6.83E-08	8.84E-10	8.92E-08	2.26E-09	1.20E-08	2.10E-10	1.44E-08	2.06E-09	6.27E-09	6.35E-11	8.39E-09
9053	470894.78	3820219.13	2.41E-08	9.35E-08	1.24E-09	1.19E-07	2.01E-08	6.87E-08	8.89E-10	8.97E-08	2.28E-09	1.20E-08	2.11E-10	1.45E-08	2.07E-09	6.30E-09	6.39E-11	8.44E-09
9054	470885.91	3820222.67	2.42E-08	9.40E-08	1.25E-09	1.20E-07	2.02E-08	6.91E-08	8.94E-10	9.02E-08	2.29E-09	1.21E-08	2.12E-10	1.46E-08	2.08E-09	6.34E-09	6.43E-11	8.48E-09
9055	470877.04	3820226.21	2.44E-08	9.46E-08	1.25E-09	1.20E-07	2.03E-08	6.95E-08	8.99E-10	9.07E-08	2.30E-09	1.22E-08	2.14E-10	1.47E-08	2.09E-09	6.37E-09	6.46E-11	8.53E-09
9056	470868.17	3820229.76	2.45E-08	9.51E-08	1.26E-09	1.21E-07	2.04E-08	6.99E-08	9.04E-10	9.12E-08	2.32E-09	1.22E-08	2.15E-10	1.48E-08	2.11E-09	6.41E-09	6.50E-11	8.58E-09
9057	470859.3	3820233.3	2.47E-08	9.57E-08	1.27E-09	1.22E-07	2.05E-08	7.03E-08	9.10E-10	9.18E-08	2.33E-09	1.23E-08	2.16E-10	1.49E-08	2.12E-09	6.45E-09	6.54E-11	8.63E-09
9058	470850.43	3820236.84	2.48E-08	9.62E-08	1.27E-09	1.22E-07	2.07E-08	7.07E-08	9.15E-10	9.23E-08	2.34E-09	1.24E-08	2.17E-10	1.49E-08	2.13E-09	6.48E-09	6.58E-11	8.68E-09
9059	470841.56	3820240.39	2.49E-08	9.67E-08	1.28E-09	1.23E-07	2.08E-08	7.11E-08	9.20E-10	9.28E-08	2.36E-09	1.25E-08	2.19E-10	1.50E-08	2.14E-09	6.52E-09	6.61E-11	8.73E-09
9060	470832.69	3820243.93	2.51E-08	9.73E-08	1.29E-09	1.24E-07	2.09E-08	7.15E-08	9.25E-10	9.33E-08	2.37E-09	1.25E-08	2.20E-10	1.51E-08	2.15E-09	6.56E-09	6.65E-11	8.78E-09
9061	470823.82	3820247.48	2.52E-08	9.79E-08	1.30E-09	1.24E-07	2.10E-08	7.20E-08	9.31E-10	9.39E-08	2.38E-09	1.26E-08	2.21E-10	1.52E-08	2.17E-09	6.60E-09	6.69E-11	8.83E-09
9062	470814.95	3820251.02	2.54E-08	9.86E-08	1.31E-09	1.25E-07	2.12E-08	7.24E-08	9.37E-10	9.45E-08	2.40E-09	1.27E-08	2.23E-10	1.53E-08	2.18E-09	6.64E-09	6.74E-11	8.89E-09
9063	470806.08	3820254.56	2.56E-08	9.93E-08	1.31E-09	1.26E-07	2.13E-08	7.29E-08	9.44E-10	9.52E-08	2.42E-09	1.28E-08	2.24E-10	1.54E-08	2.20E-09	6.69E-09	6.78E-11	8.95E-09
9064	470726.26	3820286.46	2.75E-08	1.07E-07	1.41E-09	1.36E-07	2.29E-08	7.85E-08	1.02E-09	1.02E-07	2.60E-09	1.37E-08	2.41E-10	1.66E-08	2.36E-09	7.20E-09	7.30E-11	9.63E-09
9065	470717.39	3820290	2.78E-08	1.08E-07	1.43E-09	1.37E-07	2.32E-08	7.92E-08	1.03E-09	1.03E-07	2.63E-09	1.39E-08	2.44E-10	1.68E-08	2.39E-09	7.27E-09	7.37E-11	9.73E-09
9066	470708.52	3820293.54	2.81E-08	1.09E-07	1.44E-09	1.38E-07	2.34E-08	8.00E-08	1.04E-09	1.04E-07	2.65E-09	1.40E-08	2.46E-10	1.69E-08	2.41E-09	7.34E-09	7.45E-11	9.83E-09
9067	470699.65	3820297.09	2.84E-08	1.10E-07	1.46E-09	1.40E-07	2.36E-08	8.09E-08	1.05E-09	1.06E-07	2.68E-09	1.42E-08	2.49E-10	1.71E-08	2.44E-09	7.42E-09	7.52E-11	9.93E-09
9068	470690.78	3820300.63	2.87E-08	1.11E-07	1.47E-09	1.41E-07	2.39E-08	8.18E-08	1.06E-09	1.07E-07	2.71E-09	1.43E-08	2.51E-10	1.73E-08	2.46E-09	7.50E-09	7.61E-11	1.00E-08
9069	470681.91	3820304.18	2.90E-08	1.12E-07	1.49E-09	1.43E-07	2.42E-08	8.26E-08	1.07E-09	1.08E-07	2.74E-09	1.45E-08	2.54E-10	1.75E-08	2.49E-09	7.58E-09	7.69E-11	1.01E-08
9070	470673.04	3820307.72	2.93E-08	1.14E-07	1.51E-09	1.45E-07	2.44E-08	8.35E-08	1.08E-09	1.09E-07	2.77E-09	1.46E-08	2.57E-10	1.77E-08	2.52E-09	7.66E-09	7.77E-11	1.03E-08
9071	470664.17	3820311.26	2.96E-08	1.15E-07	1.52E-09	1.46E-07	2.47E-08	8.45E-08	1.09E-09	1.10E-07	2.80E-09	1.48E-08	2.60E-10	1.79E-08	2.54E-09	7.75E-09	7.86E-11	1.04E-08
9072	470655.3	3820314.81	3.00E-08	1.16E-07	1.54E-09	1.48E-07	2.50E-08	8.55E-08	1.11E-09	1.12E-07	2.83E-09	1.50E-08	2.63E-10	1.81E-08	2.57E-09	7.84E-09	7.95E-11	1.05E-08
9073	470646.44	3820318.35	3.03E-08	1.18E-07	1.56E-09	1.49E-07	2.53E-08	8.64E-08	1.12E-09	1.13E-07	2.86E-09	1.51E-08	2.66E-10	1.83E-08	2.60E-09	7.93E-09	8.04E-11	1.06E-08
9074	470637.57	3820321.89	3.07E-08	1.19E-07	1.58E-09	1.51E-07	2.55E-08	8.74E-08	1.13E-09	1.14E-07	2.90E-09	1.53E-08	2.69E-10	1.85E-08	2.63E-09	8.02E-09	8.13E-11	1.07E-08
9075	470628.7	3820325.44	3.10E-08	1.20E-07	1.59E-09	1.53E-07	2.58E-08	8.84E-08	1.14E-09	1.15E-07	2.93E-09	1.55E-08	2.72E-10	1.87E-08	2.66E-09	8.11E-09	8.22E-11	1.09E-08
9076	470619.83	3820328.98	3.14E-08	1.22E-07	1.61E-09	1.55E-07	2.61E-08	8.94E-08	1.16E-09	1.17E-07	2.96E-09	1.57E-08	2.75E-10	1.89E-08	2.69E-09	8.20E-09	8.32E-11	1.10E-08
9077	470610.96	3820332.53	3.17E-08	1.23E-07	1.63E-09	1.56E-07	2.64E-08	9.04E-08	1.17E-09	1.18E-07	3.00E-09	1.58E-08	2.78E-10	1.91E-08	2.72E-09	8.30E-09	8.41E-11	1.11E-08
9078	470602.09	3820336.07	3.21E-08	1.24E-07	1.65E-09	1.58E-07	2.67E-08	9.15E-08	1.18E-09	1.19E-07	3.03E-09	1.60E-08	2.81E-10	1.93E-08	2.76E-09	8.39E-09	8.51E-11	1.12E-08
9079	470593.22	3820339.61	3.25E-08	1.26E-07	1.67E-09	1.60E-07	2.70E-08	9.25E-08	1.20E-09	1.21E-07	3.06E-09	1.62E-08	2.84E-10	1.96E-08	2.79E-09	8.48E-09	8.60E-11	1.14E-08
9080	470584.35	3820343.16	3.28E-08	1.27E-07	1.69E-09	1.62E-07	2.73E-08	9.35E-08	1.21E-09	1.22E-07	3.10E-09	1.64E-08	2.87E-10	1.98E-08	2.82E-09	8.57E-09	8.69E-11	1.15E-08
9081	470575.48	3820346.7	3.31E-08	1.28E-07	1.70E-09	1.63E-07	2.76E-08	9.44E-08	1.22E-09	1.23E-07	3.13E-09	1.65E-08	2.90E-10	2.00E-08	2.84E-09	8.66E-09	8.78E-11	1.16E-08
9082	470566.61	3820350.24	3.35E-08	1.30E-07	1.72E-09	1.65E-07	2.79E-08	9.54E-08	1.23E-09	1.24E-07	3.16E-09	1.67E-08	2.93E-10	2.02E-08	2.87E-09	8.75E-09	8.87E-11	1.17E-08
9083	470557.74	3820353.79	3.38E-08	1.31E-07	1.74E-09	1.67E-07	2.81E-08	9.63E-08	1.25E-09	1.26E-07	3.19E-09	1.69E-08	2.96E-10	2.04E-08	2.90E-09	8.83E-09	8.96E-11	1.18E-08
9084	470548.87	3820357.33	3.41E-08	1.32E-07	1.75E-09	1.68E-07	2.84E-08	9.72E-08	1.26E-09	1.27E-07	3.22E-09	1.70E-08	2.99E-10	2.05E-08	2.93E-09	8.91E-09	9.04E-11	1.19E-08
9085	470540	3820360.88	3.44E-08	1.33E-07	1.77E-09	1.70E-07	2.86E-08	9.80E-08	1.27E-09	1.28E-07	3.25E-09	1.72E-08	3.01E-10	2.07E-08	2.95E-09	8.99E-09	9.12E-11	1.20E-08
9086	470531.13	3820364.42	3.47E-08	1.35E-07	1.78E-09	1.71E-07	2.89E-08	9.88E-08	1.28E-09	1.29E-07	3.27E-09	1.73E-08	3.04E-10	2.09E-08	2.98E-09	9.07E-09	9.19E-11	1.21E-08
9087	470522.26	3820367.96	3.50E-08	1.36E-07	1.80E-09	1.72E-07	2.91E-08	9.96E-08	1.29E-09	1.30E-07	3.30E-09	1.75E-08	3.06E-10	2.11E-08	3.00E-09	9.14E-09	9.27E-11	1.22E-08
9088	470513.39	3820371.51	3.52E-08	1.37E-07	1.81E-09	1.74E-07	2.93E-08	1.00E-07	1.30E-09	1.31E-07	3.32E-09	1.76E-08	3.09E-10	2.12E-08	3.02E-09	9.20E-09	9.33E-11	1.23E-08
9089	470504.52	3820375.05	3.54E-08	1.37E-07	1.82E-09	1.75E-07	2.95E-08	1.01E-07	1.31E-09	1.32E-07	3.35E-09	1.77E-08	3.11E-10	2.14E-08	3.04E-09	9.27E-09	9.40E-11	1.24E-08
9090	470495.66	3820378.59	3.57E-08	1.38E-07	1.83E-09	1.76E-07	2.97E-08	1.02E-07	1.32E-09	1.33E-07	3.37E-09	1.78E-08	3.13E-10	2.15E-08	3.06E-09	9.32E-09	9.45E-11	1.25E-08
9091	470486.79	3820382.14	3.59E-08	1.39E-07	1.84E-09	1.77E-07	2.99E-08	1.02E-07	1.32E-09	1.33E-07	3.39E-09	1.79E-08	3.14E-10	2.16E-08	3.08E-09	9.38E-09	9.51E-11	1.25E-08
9092	470477.92	3820385.68	3.61E-08	1.40E-07	1.85E-09	1.78E-07	3.00E-08	1.03E-07	1.33E-09	1.34E-07	3.41E-09	1.80E-08	3.16E-10	2.17E-08	3.10E-09	9.43E-09	9.56E-11	1.26E-08
9093	470469.05	3820389.23	3.62E-08	1.41E-07	1.86E-09	1.79E-07	3.02E-08	1.03E-07	1.34E-09	1.35E-07	3.42E-09	1.81E-08	3.18E-10	2.18E-08	3.11E-09	9.48E-09	9.61E-11	1.27E-08
9094	470460.18	3820392.77	3.64E-08	1.41E-07	1.87E-09	1.80E-07	3.03E-08	1.04E-07	1.34E-09	1.35E-07	3.44E-09	1.82E-08	3.19E-10	2.19E-08	3.13E-09	9.52E-09	9.66E-11	1.27E-08
9095	470451.31	3820396.31	3.66E-08	1.42E-07	1.88E-09	1.80E-07	3.05E-08	1.04E-07	1.35E-09	1.36E-07	3.46E-09	1.83E-08	3.21E-10	2.20E-08	3.14E-09	9.57E-09	9.70E-11	1.28E-08
9096	470442.44	3820399.86	3.67E-08	1.43E-07	1.89E-09	1.81E-07	3.06E-08	1.05E-07	1.36E-09	1.37E-07	3.47E-09	1.83E-08	3.22E-10	2.21E-08	3.15E-09	9.61E-09	9.74E-11	1.29E-08
9097	470433.57	3820403.4	3.69E-08	1.43E-07	1.89E-09	1.82E-07	3.07E-08	1.05E-07	1.36E-09	1.37E-07	3.48E-09	1.84E-08	3.23E-10	2.22E-08	3.17E-09	9.64E-09	9.78E-11	1.29E-08
9098	470424.7	3820406.94	3.70E-08	1.43E-07	1.90E-09	1.82E-07	3.08E-08	1.05E-07	1.36E-09	1.38E-07	3.49E-09	1.85E-08	3.24E-10	2.23E-08	3.18E-09	9.67E-09	9.81E-11	1.29E-08
9099	470415.83	3820410.49	3.71E-08	1.44E-07	1.91E-09	1.83E-07	3.09E-08	1.06E-07	1.37E-09	1.38E-07	3.50E-09	1.85E-08	3.25E-10	2.23E-08	3.18E-09	9.70E-09	9.83E-11	1.30E-08
9100	470406.96	3820414.03	3.72E-08	1.44E-07	1.91E-09	1.83E-07	3.10E-08	1.06E-07	1.37E-09	1.38E-07	3.51E-09	1.86E-08	3.26E-10	2.24E-08	3.19E-09	9.72E-09	9.86E-11	1.30E-08
9101	470398.09	3820417.58	3.73E-08	1.45E-07	1.92E-09	1.84E-07	3.11E-08	1.06E-07	1.38E-09	1.39E-07	3.52E-09	1.86E-08	3.27E-10	2.25E-08	3.20E-09	9.75E-09	9.89E-11	1.31E-08
9102	470389.22	3820421.12	3.74E-08	1.45E-07	1.92E-09	1.84E-07	3.12E-08	1.07E-07	1.38E-09	1.39E-07	3.53E-09	1.87E-08	3.28E-10	2.25E-08	3.21E-09	9.78E-09	9.92E-11	1.31E-08
9103	470380.35	3820424.66	3.75E-08	1.46E-07	1.93E-09	1.85E-07	3.13E-08	1.07E-07	1.38E-09	1.40E-07	3.54E-09	1.87E-08	3.29E-10	2.26E-08	3.22E-09	9.81E-09	9.95E-11	1.31E-08
9104	470371.48	3820428.21	3.76E-08	1.46E-07	1.93E-09	1.85E-07	3.13E-08	1.07E-07	1.39E-09	1.40E-07	3.55E-09	1.88E-08	3.30E-10	2.27E-08	3.23E-09	9.84E-09	9.97E-11	1.32E-08
9105	470362.61	3820431.75	3.77E-08	1.46E-07	1.94E-09	1.86E-07	3.14E-08	1.08E-07	1.39E-09	1.40E-07	3.56E-09	1.88E-08	3.31E-10	2.27E-08	3.24E-09	9.86E-09	1.00E-10	1.32E-08
9106	470353.75	3820435.29	3.78E-08	1.47E-07	1.94E-09	1.86E-07	3.15E-08	1.08E-07	1.39E-09	1.41E-07	3.57E-09	1.89E-08	3.31E-10	2.28E-08	3.25E-09	9.89E-09	1.00E-10	1.32E-08
9107	470344.88	3820438.84	3.79E-08	1.47E-07	1.95E-09	1.87E-07	3.16E-08	1.08E-07	1.40E-09	1.41E-07	3.58E-09	1.89E-08	3.32E-10	2.29E-08	3.26E-09	9.92E-09	1.01E-10	1.33E-08
9108	470336.01	3820442.38	3.80E-08	1.48E-07	1.95E-09	1.88E-07	3.17E-08	1.08E-07	1.40E-09	1.42E-07	3.59E-09	1.90E-08	3.33E-10	2.29E-08	3.27E-09	9.94E-09	1.01E-10	1.33E-08
9109	470327.14	3820445.93	3.82E-08	1.48E-07	1.96E-09	1.88E-07	3.18E-08	1.09E-07	1.41E-09	1.42E-07	3.60E-09	1.91E-08	3.34E-10	2.30E-08	3.28E-09	9.98E-09	1.01E-10	1.34E-08
9110	470318.27	3820449.47	3.83E-08	1.48E-07	1.97E-09	1.89E-07	3.19E-08	1.09E-07	1.41E-09	1.42E-07	3.62E-09	1.91E-08	3.35E-10	2.31E-08	3.29E-09	1.00E-08	1.01E-10	1.34E-08
9111	470309.4	3820453.01	3.84E-08	1.49E-07	1.97E-09	1.89E-07	3.20E-08	1.09E-07	1.42E-09	1.43E-07	3.63E-09	1.92E-08	3.36E-10	2.31E-08	3.30E-09	1.00E-08	1.02E-10	1.34E-08
9112	470300.53	3820456.56	3.85E-08	1.49E-07	1.98E-09	1.90E-07	3.21E-08	1.10E-07	1.42E-09	1.43E-07	3.64E-09	1.92E-08	3.37E-10	2.32E-08	3.31E-09	1.01E-08	1.02E-10	1.35E-08
9113	470291.66	3820460.1	3.86E-08	1.50E-07	1.98E-09	1.90E-07	3.22E-08	1.10E-07	1.42E-09	1.44E-07	3.65E-09	1.93E-08	3.39E-10	2.33E-08	3.32E-09	1.01E-08	1.02E-10	1.35E-08
9114	470282.79	3820463.64	3.87E-08	1.50E-07	1.99E-09	1.91E-07	3.23E-08	1.10E-07	1.43E-09	1.44E-07	3.66E-09	1.93E-08	3.40E-10	2.33E-08	3.33E-09	1.01E-08	1.03E-10	1.36E-08
9115	470273.92	3820467.19	3.89E-08	1.51E-07	2.00E-09	1.92E-07	3.24E-08	1.11E-07	1.43E-09	1.45E-07	3.67E-09	1.94E-08	3.41E-10	2.34E-08	3.34E-09	1.02E-08	1.03E-10	1.36E-08
9116	471375.45	3819469.09	1.88E-08	7.28E-08	9.65E-10	9.25E-08	1.56E-08	5.35E-08	6.92E-10	6.98E-08	1.77E-09	9.37E-09	1.65E-10	1.13E-08	1.61E-09	4.91E-09	4.98E-11	6.57E-09

9117	471371.69	3819477.92	1.89E-08	7.34E-08	9.73E-10	9.33E-08	1.58E-08	5.40E-08	6.98E-10	7.04E-08	1.79E-09	9.45E-09	1.66E-10	1.14E-08	1.63E-09	4.95E-09	5.02E-11	6.62E-09
9118	471367.93	3819486.75	1.91E-08	7.40E-08	9.81E-10	9.41E-08	1.59E-08	5.44E-08	7.04E-10	7.10E-08	1.80E-09	9.53E-09	1.67E-10	1.15E-08	1.64E-09	4.99E-09	5.06E-11	6.68E-09
9119	471364.17	3819495.58	1.92E-08	7.46E-08	9.89E-10	9.49E-08	1.60E-08	5.48E-08	7.10E-10	7.16E-08	1.82E-09	9.61E-09	1.69E-10	1.16E-08	1.65E-09	5.03E-09	5.10E-11	6.73E-09
9120	471360.41	3819504.41	1.94E-08	7.52E-08	9.96E-10	9.56E-08	1.62E-08	5.53E-08	7.15E-10	7.21E-08	1.83E-09	9.68E-09	1.70E-10	1.17E-08	1.66E-09	5.07E-09	5.14E-11	6.79E-09
9121	471356.65	3819513.24	1.95E-08	7.58E-08	1.00E-09	9.63E-08	1.63E-08	5.57E-08	7.21E-10	7.27E-08	1.85E-09	9.76E-09	1.71E-10	1.18E-08	1.68E-09	5.11E-09	5.18E-11	6.84E-09
9122	471352.88	3819522.08	1.97E-08	7.63E-08	1.01E-09	9.70E-08	1.64E-08	5.61E-08	7.26E-10	7.32E-08	1.86E-09	9.83E-09	1.73E-10	1.19E-08	1.69E-09	5.15E-09	5.22E-11	6.89E-09
9123	471349.12	3819530.91	1.98E-08	7.69E-08	1.02E-09	9.77E-08	1.65E-08	5.65E-08	7.31E-10	7.38E-08	1.87E-09	9.90E-09	1.74E-10	1.19E-08	1.70E-09	5.18E-09	5.26E-11	6.94E-09
9124	471334.08	3819566.23	2.04E-08	7.90E-08	1.05E-09	1.00E-07	1.70E-08	5.81E-08	7.52E-10	7.58E-08	1.92E-09	1.02E-08	1.79E-10	1.23E-08	1.75E-09	5.33E-09	5.40E-11	7.13E-09
9125	471330.32	3819575.06	2.05E-08	7.95E-08	1.05E-09	1.01E-07	1.71E-08	5.84E-08	7.56E-10	7.63E-08	1.94E-09	1.02E-08	1.80E-10	1.24E-08	1.76E-09	5.36E-09	5.44E-11	7.17E-09
9126	471326.56	3819583.89	2.06E-08	8.00E-08	1.06E-09	1.02E-07	1.72E-08	5.88E-08	7.61E-10	7.68E-08	1.95E-09	1.03E-08	1.81E-10	1.24E-08	1.77E-09	5.39E-09	5.47E-11	7.22E-09
9127	471322.8	3819592.72	2.08E-08	8.05E-08	1.07E-09	1.02E-07	1.73E-08	5.92E-08	7.66E-10	7.72E-08	1.96E-09	1.04E-08	1.82E-10	1.25E-08	1.78E-09	5.43E-09	5.50E-11	7.26E-09
9128	471319.04	3819601.55	2.09E-08	8.10E-08	1.07E-09	1.03E-07	1.74E-08	5.95E-08	7.70E-10	7.77E-08	1.97E-09	1.04E-08	1.83E-10	1.26E-08	1.79E-09	5.46E-09	5.54E-11	7.31E-09
9129	471315.28	3819610.38	2.10E-08	8.15E-08	1.08E-09	1.04E-07	1.75E-08	5.99E-08	7.75E-10	7.81E-08	1.98E-09	1.05E-08	1.84E-10	1.27E-08	1.80E-09	5.49E-09	5.57E-11	7.35E-09
9130	471311.52	3819619.21	2.11E-08	8.19E-08	1.09E-09	1.04E-07	1.76E-08	6.02E-08	7.79E-10	7.86E-08	1.99E-09	1.05E-08	1.85E-10	1.27E-08	1.81E-09	5.52E-09	5.60E-11	7.39E-09
9131	471307.76	3819628.04	2.12E-08	8.23E-08	1.09E-09	1.05E-07	1.77E-08	6.05E-08	7.83E-10	7.90E-08	2.00E-09	1.06E-08	1.86E-10	1.28E-08	1.82E-09	5.55E-09	5.63E-11	7.43E-09
9132	471304	3819636.87	2.13E-08	8.28E-08	1.10E-09	1.05E-07	1.78E-08	6.08E-08	7.87E-10	7.94E-08	2.02E-09	1.07E-08	1.87E-10	1.29E-08	1.83E-09	5.58E-09	5.66E-11	7.47E-09
9133	471300.24	3819645.7	2.14E-08	8.32E-08	1.10E-09	1.06E-07	1.79E-08	6.11E-08	7.91E-10	7.98E-08	2.03E-09	1.07E-08	1.88E-10	1.29E-08	1.84E-09	5.61E-09	5.69E-11	7.51E-09
9134	471296.47	3819654.53	2.16E-08	8.36E-08	1.11E-09	1.06E-07	1.80E-08	6.14E-08	7.95E-10	8.02E-08	2.04E-09	1.08E-08	1.89E-10	1.30E-08	1.85E-09	5.63E-09	5.71E-11	7.54E-09
9135	471292.71	3819663.36	2.16E-08	8.40E-08	1.11E-09	1.07E-07	1.80E-08	6.17E-08	7.98E-10	8.05E-08	2.04E-09	1.08E-08	1.90E-10	1.30E-08	1.86E-09	5.66E-09	5.74E-11	7.58E-09
9136	471288.95	3819672.19	2.17E-08	8.43E-08	1.12E-09	1.07E-07	1.81E-08	6.20E-08	8.02E-10	8.09E-08	2.05E-09	1.09E-08	1.91E-10	1.31E-08	1.87E-09	5.69E-09	5.77E-11	7.61E-09
9137	471285.19	3819681.02	2.18E-08	8.47E-08	1.12E-09	1.08E-07	1.82E-08	6.22E-08	8.05E-10	8.12E-08	2.06E-09	1.09E-08	1.91E-10	1.32E-08	1.87E-09	5.71E-09	5.79E-11	7.64E-09
9138	471281.43	3819689.85	2.19E-08	8.50E-08	1.13E-09	1.08E-07	1.83E-08	6.25E-08	8.09E-10	8.15E-08	2.07E-09	1.09E-08	1.92E-10	1.32E-08	1.88E-09	5.73E-09	5.81E-11	7.67E-09
9139	471277.67	3819698.69	2.20E-08	8.53E-08	1.13E-09	1.08E-07	1.83E-08	6.27E-08	8.12E-10	8.19E-08	2.08E-09	1.10E-08	1.93E-10	1.33E-08	1.89E-09	5.75E-09	5.83E-11	7.70E-09
9140	471273.91	3819707.52	2.21E-08	8.56E-08	1.13E-09	1.09E-07	1.84E-08	6.29E-08	8.14E-10	8.21E-08	2.09E-09	1.10E-08	1.94E-10	1.33E-08	1.90E-09	5.77E-09	5.85E-11	7.73E-09
9141	471270.15	3819716.35	2.22E-08	8.59E-08	1.14E-09	1.09E-07	1.85E-08	6.31E-08	8.17E-10	8.24E-08	2.09E-09	1.11E-08	1.94E-10	1.33E-08	1.90E-09	5.79E-09	5.87E-11	7.75E-09
9142	471266.39	3819725.18	2.22E-08	8.62E-08	1.14E-09	1.10E-07	1.85E-08	6.33E-08	8.20E-10	8.27E-08	2.10E-09	1.11E-08	1.95E-10	1.34E-08	1.91E-09	5.81E-09	5.89E-11	7.78E-09
9143	471262.63	3819734.01	2.23E-08	8.64E-08	1.14E-09	1.10E-07	1.86E-08	6.35E-08	8.22E-10	8.29E-08	2.10E-09	1.11E-08	1.95E-10	1.34E-08	1.91E-09	5.82E-09	5.91E-11	7.80E-09
9144	471258.87	3819742.84	2.23E-08	8.66E-08	1.15E-09	1.10E-07	1.86E-08	6.36E-08	8.24E-10	8.31E-08	2.11E-09	1.11E-08	1.96E-10	1.35E-08	1.92E-09	5.84E-09	5.92E-11	7.81E-09
9145	471255.11	3819751.67	2.24E-08	8.68E-08	1.15E-09	1.10E-07	1.86E-08	6.38E-08	8.26E-10	8.33E-08	2.11E-09	1.12E-08	1.96E-10	1.35E-08	1.92E-09	5.85E-09	5.93E-11	7.83E-09
9146	471251.35	3819760.5	2.24E-08	8.70E-08	1.15E-09	1.11E-07	1.87E-08	6.39E-08	8.27E-10	8.34E-08	2.12E-09	1.12E-08	1.97E-10	1.35E-08	1.93E-09	5.86E-09	5.95E-11	7.85E-09
9147	471247.59	3819769.33	2.25E-08	8.71E-08	1.15E-09	1.11E-07	1.87E-08	6.40E-08	8.28E-10	8.36E-08	2.12E-09	1.12E-08	1.97E-10	1.35E-08	1.93E-09	5.87E-09	5.96E-11	7.86E-09
9148	471243.83	3819778.16	2.25E-08	8.72E-08	1.16E-09	1.11E-07	1.87E-08	6.41E-08	8.30E-10	8.37E-08	2.12E-09	1.12E-08	1.97E-10	1.36E-08	1.93E-09	5.88E-09	5.96E-11	7.87E-09
9149	471240.06	3819786.99	2.25E-08	8.73E-08	1.16E-09	1.11E-07	1.88E-08	6.42E-08	8.30E-10	8.38E-08	2.13E-09	1.12E-08	1.97E-10	1.36E-08	1.93E-09	5.89E-09	5.97E-11	7.88E-09
9150	471236.3	3819795.82	2.25E-08	8.74E-08	1.16E-09	1.11E-07	1.88E-08	6.42E-08	8.31E-10	8.38E-08	2.13E-09	1.13E-08	1.98E-10	1.36E-08	1.93E-09	5.89E-09	5.98E-11	7.89E-09
9151	471232.54	3819804.65	2.26E-08	8.75E-08	1.16E-09	1.11E-07	1.88E-08	6.43E-08	8.32E-10	8.39E-08	2.13E-09	1.13E-08	1.98E-10	1.36E-08	1.94E-09	5.90E-09	5.98E-11	7.89E-09
9152	471228.78	3819813.48	2.26E-08	8.75E-08	1.16E-09	1.11E-07	1.88E-08	6.43E-08	8.32E-10	8.39E-08	2.13E-09	1.13E-08	1.98E-10	1.36E-08	1.94E-09	5.90E-09	5.98E-11	7.89E-09
9153	471225.02	3819822.31	2.26E-08	8.75E-08	1.16E-09	1.11E-07	1.88E-08	6.43E-08	8.32E-10	8.39E-08	2.13E-09	1.13E-08	1.98E-10	1.36E-08	1.94E-09	5.90E-09	5.98E-11	7.89E-09
9154	471221.26	3819831.14	2.26E-08	8.75E-08	1.16E-09	1.11E-07	1.88E-08	6.43E-08	8.32E-10	8.39E-08	2.13E-09	1.13E-08	1.98E-10	1.36E-08	1.94E-09	5.90E-09	5.98E-11	7.89E-09
9155	471217.5	3819839.97	2.25E-08	8.74E-08	1.16E-09	1.11E-07	1.88E-08	6.43E-08	8.32E-10	8.39E-08	2.13E-09	1.13E-08	1.98E-10	1.36E-08	1.94E-09	5.89E-09	5.98E-11	7.89E-09
9156	471213.74	3819848.8	2.25E-08	8.74E-08	1.16E-09	1.11E-07	1.88E-08	6.42E-08	8.31E-10	8.38E-08	2.13E-09	1.12E-08	1.97E-10	1.36E-08	1.93E-09	5.89E-09	5.97E-11	7.88E-09
9157	471209.98	3819857.63	2.25E-08	8.73E-08	1.16E-09	1.11E-07	1.88E-08	6.42E-08	8.30E-10	8.37E-08	2.13E-09	1.12E-08	1.97E-10	1.36E-08	1.93E-09	5.89E-09	5.97E-11	7.88E-09
9158	471206.22	3819866.47	2.25E-08	8.72E-08	1.16E-09	1.11E-07	1.87E-08	6.41E-08	8.30E-10	8.37E-08	2.12E-09	1.12E-08	1.97E-10	1.36E-08	1.93E-09	5.88E-09	5.96E-11	7.87E-09
9159	471202.46	3819875.3	2.25E-08	8.71E-08	1.15E-09	1.11E-07	1.87E-08	6.40E-08	8.28E-10	8.36E-08	2.12E-09	1.12E-08	1.97E-10	1.35E-08	1.93E-09	5.87E-09	5.96E-11	7.86E-09
9160	471198.7	3819884.13	2.24E-08	8.70E-08	1.15E-09	1.11E-07	1.87E-08	6.39E-08	8.27E-10	8.34E-08	2.12E-09	1.12E-08	1.97E-10	1.35E-08	1.93E-09	5.86E-09	5.95E-11	7.85E-09
9161	471194.94	3819892.96	2.24E-08	8.69E-08	1.15E-09	1.10E-07	1.87E-08	6.38E-08	8.26E-10	8.33E-08	2.12E-09	1.12E-08	1.96E-10	1.35E-08	1.92E-09	5.86E-09	5.94E-11	7.84E-09
9162	471191.18	3819901.79	2.24E-08	8.67E-08	1.15E-09	1.10E-07	1.86E-08	6.37E-08	8.25E-10	8.32E-08	2.11E-09	1.12E-08	1.96E-10	1.35E-08	1.92E-09	5.85E-09	5.93E-11	7.82E-09
9163	471187.42	3819910.62	2.23E-08	8.66E-08	1.15E-09	1.10E-07	1.86E-08	6.36E-08	8.23E-10	8.30E-08	2.11E-09	1.11E-08	1.96E-10	1.34E-08	1.92E-09	5.84E-09	5.92E-11	7.81E-09
9164	471183.65	3819919.45	2.23E-08	8.64E-08	1.14E-09	1.10E-07	1.86E-08	6.35E-08	8.22E-10	8.29E-08	2.10E-09	1.11E-08	1.95E-10	1.34E-08	1.91E-09	5.82E-09	5.91E-11	7.80E-09
9165	471179.89	3819928.28	2.22E-08	8.62E-08	1.14E-09	1.10E-07	1.85E-08	6.34E-08	8.20E-10	8.27E-08	2.10E-09	1.11E-08	1.95E-10	1.34E-08	1.91E-09	5.81E-09	5.89E-11	7.78E-09
9166	471176.13	3819937.11	2.22E-08	8.61E-08	1.14E-09	1.09E-07	1.85E-08	6.32E-08	8.18E-10	8.25E-08	2.10E-09	1.11E-08	1.94E-10	1.34E-08	1.91E-09	5.80E-09	5.88E-11	7.76E-09
9167	471172.37	3819945.94	2.21E-08	8.59E-08	1.14E-09	1.09E-07	1.84E-08	6.31E-08	8.17E-10	8.24E-08	2.09E-09	1.11E-08	1.94E-10	1.33E-08	1.90E-09	5.79E-09	5.87E-11	7.75E-09
9168	471168.61	3819954.77	2.21E-08	8.57E-08	1.14E-09	1.09E-07	1.84E-08	6.30E-08	8.15E-10	8.22E-08	2.09E-09	1.10E-08	1.94E-10	1.33E-08	1.90E-09	5.78E-09	5.86E-11	7.73E-09
9169	471164.85	3819963.6	2.20E-08	8.55E-08	1.13E-09	1.09E-07	1.84E-08	6.28E-08	8.13E-10	8.20E-08	2.08E-09	1.10E-08	1.93E-10	1.33E-08	1.89E-09	5.76E-09	5.84E-11	7.71E-09
9170	471161.09	3819972.43	2.20E-08	8.53E-08	1.13E-09	1.08E-07	1.83E-08	6.27E-08	8.11E-10	8.18E-08	2.08E-09	1.10E-08	1.93E-10	1.32E-08	1.89E-09	5.75E-09	5.83E-11	7.69E-09
9171	471157.33	3819981.26	2.19E-08	8.51E-08	1.13E-09	1.08E-07	1.83E-08	6.25E-08	8.09E-10	8.16E-08	2.07E-09	1.10E-08	1.92E-10	1.32E-08	1.88E-09	5.73E-09	5.82E-11	7.68E-09
9172	471153.57	3819990.09	2.19E-08	8.49E-08	1.12E-09	1.08E-07	1.82E-08	6.24E-08	8.07E-10	8.14E-08	2.07E-09	1.09E-08	1.92E-10	1.32E-08	1.88E-09	5.72E-09	5.80E-11	7.66E-09
9173	471149.81	3819998.92	2.18E-08	8.47E-08	1.12E-09	1.08E-07	1.82E-08	6.22E-08	8.05E-10	8.12E-08	2.06E-09	1.09E-08	1.91E-10	1.32E-08	1.87E-09	5.71E-09	5.79E-11	7.64E-09
9174	471146.05	3820007.75	2.18E-08	8.44E-08	1.12E-09	1.07E-07	1.81E-08	6.20E-08	8.03E-10	8.10E-08	2.06E-09	1.09E-08	1.91E-10	1.31E-08	1.87E-09	5.69E-09	5.77E-11	7.62E-09
9175	471142.29	3820016.58	2.17E-08	8.42E-08	1.12E-09	1.07E-07	1.81E-08	6.19E-08	8.01E-10	8.08E-08	2.05E-09	1.08E-08	1.90E-10	1.31E-08	1.86E-09	5.68E-09	5.76E-11	7.60E-09
9176	471138.53	3820025.41	2.17E-08	8.40E-08	1.11E-09	1.07E-07	1.80E-08	6.17E-08	7.99E-10	8.06E-08	2.05E-09	1.08E-08	1.90E-10	1.31E-08	1.86E-09	5.66E-09	5.74E-11	7.58E-09
9177	471134.77	3820034.24	2.16E-08	8.38E-08	1.11E-09	1.07E-07	1.80E-08	6.16E-08	7.97E-10	8.04E-08	2.04E-09	1.08E-08	1.89E-10	1.30E-08	1.86E-09	5.65E-09	5.73E-11	7.56E-09
9178	471131	3820043.08	2.16E-08	8.36E-08	1.11E-09	1.06E-07	1.80E-08	6.14E-08	7.95E-10	8.02E-08	2.04E-09	1.08E-08	1.89E-10	1.30E-08	1.85E-09	5.63E-09	5.71E-11	7.54E-09
9179	471127.24	3820051.91	2.15E-08	8.33E-08	1.10E-09	1.06E-07	1.79E-08	6.12E-08	7.93E-10	7.99E-08	2.03E-09	1.07E-08	1.88E-10	1.29E-08	1.84E-09	5.62E-09	5.70E-11	7.52E-09
9180	471123.48	3820060.74	2.14E-08	8.31E-08	1.10E-09	1.06E-07	1.79E-08	6.11E-08	7.90E-10	7.97E-08	2.02E-09	1.07E-08	1.88E-10	1.29E-08	1.84E-09	5.60E-09	5.68E-11	7.50E-09
9181	471119.72	3820069.57	2.14E-08	8.29E-08	1.10E-09	1.05E-07	1.78E-08	6.09E-08	7.88E-10	7.95E-08	2.02E-09	1.07E-08	1.87E-10	1.29E-08	1.83E-09	5.59E-09	5.67E-11	7.48E-09
9182	471115.96	3820078.4	2.13E-08	8.27E-08	1.10E-09	1.05E-07	1.78E-08	6.07E-08	7.86E-10	7.93E-08	2.01E-09	1.06E-08	1.87E-10	1.28E-08	1.83E-09	5.57E-09	5.65E-11	7.46E-09
9183	471112.2	3820087.23	2.13E-08	8.24E-08	1.09E-09	1.05E-07	1.77E-08	6.06E-08	7.84E-10	7.91E-08	2.01E-09	1.06E-08	1.86E-10	1.28E-08	1.82E-09	5.56E-09	5.64E-11	7.44E-09
9184	471108.44	3820096.06	2.12E-08	8.22E-08	1.09E-09	1.04E-07	1.77E-08	6.04E-08	7.82E-10	7.88E-08	2.00E-09	1.06E-08	1.86E-10	1.28E-08	1.82E-09	5.54E-09	5.62E-11	7.42E-09
9185	471104.68	3820104.89	2.11E-08	8.19E-08	1.09E-09	1.04E-07	1.76E-08	6.02E-08	7.79E-10	7.86E-08	2.00E-09	1.05E-08	1.85E-10	1.27E-08	1.81E-09	5.52E-09	5.60E-11	7.39E-09
9186	471100.92	3820113.72	2.11E-08	8.17E-08	1.08E-09	1.04E-07	1.75E-08	6.00E-08	7.77E-10	7.83E-08	1.99E-09	1.05E-08	1.85E-10	1.27E-08	1.81E-09	5.51E-09	5.58E-11	7.37E-09
9187	471097.16	3820122.55	2.10E-08	8.14E-08	1.08E-09	1.03E-07	1.75E-08	5.98E-08	7.74E-10	7.81E-08	1.98E-09	1.05E-08	1.84E-10	1.26E-08	1.80E-09	5.49E-09	5.56E-11	7.35E-09
9188	471093.4	3820131.38	2.09E-08	8.11E-08	1.07E-09	1.03E-07	1.74E-08	5.96E-08	7.71E-10	7.78E-08	1.98E-09	1.04E-08	1.83E-10	1.26E-08	1.80E-09	5.47E-09	5.55E-11	7.32E-09
9189	471089.64	3820140.21	2.08E-08	8.08E-08	1.07E-09	1.03E-07	1.74E-08	5.94E-08	7.69E-10	7.75E-08	1.97E-09	1.04E-08	1.83E-10	1.26E-08	1.79E-09	5.45E-09	5.53E-11	7.29E-09
9190	471085.88	3820149.04	2.08E-08	8.06E-08	1.07E-09	1.02E-07	1.73E-08	5.92E-08	7.66E-10	7.73E-08	1.96E-09	1.04E-08	1.82E-10	1.25E-08	1.78E-09	5.43E-09	5.51E-11	7.27E-09
9191	471082.12	3820157.87	2.07E-08	8.03E-08	1.06E-09	1.02E-07	1.72E-08	5.90E-08	7.63E-10	7.70E-08	1.95E-09	1.03E-08	1.81E-10	1.25E-08	1.78E-09	5.41E-09	5.49E-11	7.24E-09
9192	471078.36	3820166.7	2.06E-08	8.00E-08	1.06E-09	1.02E-07	1.72E-08	5.88E-08	7.61E-10	7.67E-08	1.95E-09	1.03E-08	1.81E-10	1.24E-08	1.77E-09	5.39E-09	5.47E-11	7.22E-09
9193	471074.59	3820175.53	2.05E-08	7.97E-08	1.06E-09	1.01E-07	1.71E-08	5.85E-08	7.58E-10	7.64E-08	1.94E-09	1.03E-08	1.80E-10	1.24E-08	1.76E-09	5.37E-09	5.45E-11	7.19E-09
9194	471070.83	3820184.36	2.05E-08	7.93E-08	1.05E-09	1.01E-07	1.70E-08	5.83E-08	7.54E-10	7.61E-08	1.93E-09	1.02E-08	1.79E-10	1.23E-08	1.76E-09	5.35E-09	5.42E-11	7.16E-09
9195	471067.07	3820193.19	2.04E-08	7.90E-08	1.05E-09	1.00E-07	1.70E-08	5.80E-08	7.51E-10	7.58E-08	1.92E-09	1.02E-08	1.78E-10	1.23E-08	1.75E-09	5.32E-09	5.40E-11	7.13E-09
9196	471063.31	3820202.02	2.03E-08	7.86E-08	1.04E-09	9.99E-08	1.69E-08	5.78E-08	7.48E-10	7.54E-08	1.91E-09	1.01E-08	1.78E-10	1.22E-08	1.74E-09	5.30E-09	5.37E-11	7.09E-09
9197	471059.55	3820210.85	2.02E-08	7.83E-08	1.04E-09	9.95E-08	1.68E-08	5.75E-08	7.44E-10	7.50E-08	1.91E-09	1.01E-08	1.77E-10	1.22E-08	1.73E-09	5.27E-09	5.35E-11	7.06E-09
9198	471055.79	3820219.69	2.01E-08	7.79E-08	1.03E-09	9.90E-08	1.67E-08	5.72E-08	7.41E-10	7.47E-08	1.90E-09	1.00E-08	1.76E-10	1.21E-08	1.72E-09	5.25E-09	5.32E-11	7.03E-09
9199	471052.03	3820228.52	2.00E-08	7.75E-08	1.03E-09	9.85E-08	1.66E-08	5.70E-08	7.37E-10	7.43E-08	1.89E-09	9.98E-09	1.75E-10	1.20E-08	1.72E-09	5.23E-09	5.30E-11	6.99E-09
9200	471039.36	3820240.91	2.00E-08	7.76E-08	1.03E-09	9.87E-08	1.67E-08	5.70E-08	7.38E-10	7.44E-08	1.89E-09	9.99E-09	1.75E-10	1.21E-08	1.72E-09	5.23E-09	5.31E-11	7.00E-09
9201	471030.44	3820244.47	2.01E-08	7.81E-08	1.03E-09	9.93E-08	1.68E-08	5.74E-08	7.43E-10	7.49E-08	1.90E-09	1.01E-08	1.76E-10	1.21E-08	1.73E-09	5.26E-09	5.34E-11	7.05E-09
9202	471021.53	3820248.03	2.03E-08	7.86E-08	1.04E-09	9.99E-08	1.69E-08	5.77E-08	7.47E-10	7.53E-08	1.91E-09	1.01E-08	1.78E-10	1.22E-08	1.74E-09	5.30E-09	5.37E-11	7.09E-09
9203	471012.62	3820251.59	2.04E-08	7.90E-08	1.05E-09	1.00E-07	1.70E-08	5.81E-08	7.51E-10	7.58E-08	1.92E-09	1.02E-08	1.79E-10	1.23E-08	1.75E-09	5.33E-09	5.40E-11	7.13E-09
9204	471003.71	3820255.15	2.05E-08	7.95E-08	1.05E-09	1.01E-07	1.71E-08	5.84E-08	7.56E-10	7.62E-08	1.93E-09	1.02E-08	1.80E-10	1.23E-08	1.76E-09	5.36E-09	5.43E-11	7.17E-09
9205	470994.79	3820258.71	2.06E-08	7.99E-08	1.06E-09	1.02E-07	1.72E-08	5.87E-08	7.60E-10	7.66E-08	1.95E-09	1.03E-08	1.81E-10	1.24E-08	1.77E-09	5.39E-09	5.46E-11	7.21E-09
9206	470968.05	3820269.4	2.09E-08	8.12E-08	1.08E-09	1.03E-07	1.74E-08	5.96E-08	7.72E-10	7.78E-08	1.98E-09	1.04E-08	1.83E-10	1.26E-08	1.80E-09	5.47E-09	5.55E-11	7.32E-09
9207	470959.14	3820272.96	2.10E-08	8.16E-08	1.08E-09	1.04E-07	1.75E-08	6.00E-08	7.76E-10	7.83E-08	1.99E-09	1.05E-08	1.84E-10	1.27E-08	1.81E-09	5.50E-09	5.58E-11	7.36E-09
9208	470950.23	3820276.52	2.12E-08	8.21E-08	1.09E-09	1.04E-07	1.76E-08	6.03E-08	7.80E-10	7.87E-08	2.00E-09	1.06E-08	1.85E-10	1.27E-08	1.82E-09	5.53E-09	5.61E-11	7.40E-09
9209	470941.32	3820280.08	2.13E-08	8.25E-08	1.09E-09	1.05E-07	1.77E-08	6.06E-08	7.84E-10	7.91E-08	2.01E-09	1.06E-08	1.86E-10	1.28E-08	1.83E-09	5.56E-09	5.64E-11	7.44E-09
9210	470932.4	3820283.64	2.14E-08	8.29E-08	1.10E-09	1.05E-07	1.78E-08	6.09E-08	7.88E-10	7.95E-08	2.02E-09	1.07E-08	1.87E-10	1.29E-08	1.84E-09	5.59E-09	5.67E-11	7.48E-09
9211	470923.49	3820287.2	2.15E-08	8.33E-08	1.10E-09	1.06E-07	1.79E-08	6.12E-08	7.93E-10	7.99E-08	2.03E-09	1.07E-08	1.88E-10	1.29E-08	1.84E-09	5.62E-09	5.70E-11	7.52E-09
9212	470914.58	3820290.76	2.16E-08	8.38E-08	1.11E-09	1.06E-07	1.80E-08	6.15E-08	7.96E-10	8.03E-08	2.04E-09	1.08E-08	1.89E-10	1.30E-08	1.85E-09	5.65E-09	5.72E-11	7.56E

9213	470905.66	3820294.32	2.17E-08	8.42E-08	1.12E-09	1.07E-07	1.81E-08	6.19E-08	8.01E-10	8.07E-08	2.05E-09	1.08E-08	1.90E-10	1.31E-08	1.86E-09	5.67E-09	5.75E-11	7.60E-09
9214	470896.75	3820297.89	2.18E-08	8.46E-08	1.12E-09	1.08E-07	1.82E-08	6.22E-08	8.05E-10	8.12E-08	2.06E-09	1.09E-08	1.91E-10	1.31E-08	1.87E-09	5.70E-09	5.78E-11	7.64E-09
9215	470887.84	3820301.45	2.19E-08	8.51E-08	1.13E-09	1.08E-07	1.83E-08	6.25E-08	8.09E-10	8.16E-08	2.07E-09	1.10E-08	1.92E-10	1.32E-08	1.88E-09	5.74E-09	5.82E-11	7.68E-09
9216	470878.93	3820305.01	2.21E-08	8.56E-08	1.13E-09	1.09E-07	1.84E-08	6.29E-08	8.14E-10	8.21E-08	2.08E-09	1.10E-08	1.93E-10	1.33E-08	1.89E-09	5.77E-09	5.85E-11	7.72E-09
9217	470870.01	3820308.57	2.22E-08	8.61E-08	1.14E-09	1.09E-07	1.85E-08	6.33E-08	8.19E-10	8.26E-08	2.10E-09	1.11E-08	1.94E-10	1.34E-08	1.91E-09	5.80E-09	5.88E-11	7.77E-09
9218	470861.1	3820312.13	2.23E-08	8.66E-08	1.15E-09	1.10E-07	1.86E-08	6.36E-08	8.24E-10	8.31E-08	2.11E-09	1.11E-08	1.96E-10	1.35E-08	1.92E-09	5.84E-09	5.92E-11	7.81E-09
9219	470852.19	3820315.69	2.25E-08	8.72E-08	1.15E-09	1.11E-07	1.87E-08	6.40E-08	8.29E-10	8.36E-08	2.12E-09	1.12E-08	1.97E-10	1.35E-08	1.93E-09	5.87E-09	5.96E-11	7.86E-09
9220	470843.27	3820319.25	2.26E-08	8.77E-08	1.16E-09	1.11E-07	1.88E-08	6.45E-08	8.34E-10	8.41E-08	2.14E-09	1.13E-08	1.98E-10	1.36E-08	1.94E-09	5.91E-09	6.00E-11	7.91E-09
9221	470834.36	3820322.81	2.28E-08	8.83E-08	1.17E-09	1.12E-07	1.90E-08	6.49E-08	8.40E-10	8.47E-08	2.15E-09	1.14E-08	2.00E-10	1.37E-08	1.95E-09	5.95E-09	6.04E-11	7.97E-09
9222	470763.06	3820351.3	2.42E-08	9.40E-08	1.25E-09	1.20E-07	2.02E-08	6.91E-08	8.94E-10	9.02E-08	2.29E-09	1.21E-08	2.12E-10	1.46E-08	2.08E-09	6.34E-09	6.43E-11	8.48E-09
9223	470754.15	3820354.86	2.45E-08	9.49E-08	1.26E-09	1.21E-07	2.04E-08	6.97E-08	9.02E-10	9.10E-08	2.31E-09	1.22E-08	2.14E-10	1.47E-08	2.10E-09	6.40E-09	6.49E-11	8.56E-09
9224	470745.23	3820358.42	2.47E-08	9.58E-08	1.27E-09	1.22E-07	2.06E-08	7.04E-08	9.11E-10	9.19E-08	2.33E-09	1.23E-08	2.17E-10	1.49E-08	2.12E-09	6.46E-09	6.55E-11	8.65E-09
9225	470736.32	3820361.99	2.50E-08	9.68E-08	1.28E-09	1.23E-07	2.08E-08	7.11E-08	9.20E-10	9.28E-08	2.36E-09	1.25E-08	2.19E-10	1.50E-08	2.14E-09	6.52E-09	6.61E-11	8.73E-09
9226	470727.41	3820365.55	2.52E-08	9.77E-08	1.29E-09	1.24E-07	2.10E-08	7.18E-08	9.29E-10	9.37E-08	2.38E-09	1.26E-08	2.21E-10	1.52E-08	2.16E-09	6.59E-09	6.68E-11	8.82E-09
9227	470718.49	3820369.11	2.54E-08	9.87E-08	1.31E-09	1.25E-07	2.12E-08	7.25E-08	9.38E-10	9.46E-08	2.40E-09	1.27E-08	2.23E-10	1.53E-08	2.18E-09	6.65E-09	6.74E-11	8.90E-09
9228	470709.58	3820372.67	2.57E-08	9.97E-08	1.32E-09	1.27E-07	2.14E-08	7.32E-08	9.48E-10	9.56E-08	2.43E-09	1.28E-08	2.25E-10	1.55E-08	2.21E-09	6.72E-09	6.81E-11	8.99E-09
9229	470700.67	3820376.23	2.60E-08	1.01E-07	1.33E-09	1.28E-07	2.16E-08	7.40E-08	9.58E-10	9.66E-08	2.45E-09	1.30E-08	2.28E-10	1.57E-08	2.23E-09	6.79E-09	6.89E-11	9.09E-09
9230	470691.76	3820379.79	2.63E-08	1.02E-07	1.35E-09	1.29E-07	2.19E-08	7.48E-08	9.68E-10	9.77E-08	2.48E-09	1.31E-08	2.30E-10	1.58E-08	2.25E-09	6.87E-09	6.96E-11	9.19E-09
9231	470682.84	3820383.35	2.66E-08	1.03E-07	1.36E-09	1.31E-07	2.21E-08	7.57E-08	9.79E-10	9.88E-08	2.51E-09	1.33E-08	2.33E-10	1.60E-08	2.28E-09	6.94E-09	7.04E-11	9.29E-09
9232	470673.93	3820386.91	2.69E-08	1.04E-07	1.38E-09	1.32E-07	2.24E-08	7.65E-08	9.90E-10	9.99E-08	2.54E-09	1.34E-08	2.35E-10	1.62E-08	2.31E-09	7.02E-09	7.12E-11	9.40E-09
9233	470665.02	3820390.47	2.72E-08	1.05E-07	1.40E-09	1.34E-07	2.26E-08	7.74E-08	1.00E-09	1.01E-07	2.56E-09	1.36E-08	2.38E-10	1.64E-08	2.33E-09	7.10E-09	7.20E-11	9.50E-09
9234	470656.1	3820394.03	2.75E-08	1.07E-07	1.41E-09	1.35E-07	2.29E-08	7.83E-08	1.01E-09	1.02E-07	2.59E-09	1.37E-08	2.41E-10	1.66E-08	2.36E-09	7.18E-09	7.28E-11	9.61E-09
9235	470647.19	3820397.6	2.78E-08	1.08E-07	1.43E-09	1.37E-07	2.31E-08	7.92E-08	1.02E-09	1.03E-07	2.62E-09	1.39E-08	2.43E-10	1.67E-08	2.39E-09	7.26E-09	7.37E-11	9.72E-09
9236	470638.28	3820401.16	2.81E-08	1.09E-07	1.44E-09	1.38E-07	2.34E-08	8.00E-08	1.04E-09	1.04E-07	2.65E-09	1.40E-08	2.46E-10	1.69E-08	2.41E-09	7.34E-09	7.44E-11	9.83E-09
9237	470629.37	3820404.72	2.84E-08	1.10E-07	1.46E-09	1.40E-07	2.36E-08	8.09E-08	1.05E-09	1.06E-07	2.68E-09	1.42E-08	2.49E-10	1.71E-08	2.44E-09	7.42E-09	7.52E-11	9.93E-09
9238	470620.45	3820408.28	2.87E-08	1.11E-07	1.47E-09	1.41E-07	2.39E-08	8.17E-08	1.06E-09	1.07E-07	2.71E-09	1.43E-08	2.51E-10	1.73E-08	2.46E-09	7.50E-09	7.60E-11	1.00E-08
9239	470611.54	3820411.84	2.90E-08	1.12E-07	1.49E-09	1.43E-07	2.41E-08	8.26E-08	1.07E-09	1.08E-07	2.74E-09	1.45E-08	2.54E-10	1.75E-08	2.49E-09	7.57E-09	7.68E-11	1.01E-08
9240	470602.63	3820415.4	2.93E-08	1.13E-07	1.50E-09	1.44E-07	2.44E-08	8.34E-08	1.08E-09	1.09E-07	2.76E-09	1.46E-08	2.56E-10	1.76E-08	2.51E-09	7.65E-09	7.76E-11	1.02E-08
9241	470593.71	3820418.96	2.95E-08	1.15E-07	1.52E-09	1.46E-07	2.46E-08	8.42E-08	1.09E-09	1.10E-07	2.79E-09	1.48E-08	2.59E-10	1.78E-08	2.54E-09	7.72E-09	7.83E-11	1.03E-08
9242	470584.8	3820422.52	2.98E-08	1.16E-07	1.53E-09	1.47E-07	2.48E-08	8.50E-08	1.10E-09	1.11E-07	2.82E-09	1.49E-08	2.61E-10	1.80E-08	2.56E-09	7.79E-09	7.90E-11	1.04E-08
9243	470575.89	3820426.08	3.01E-08	1.17E-07	1.55E-09	1.48E-07	2.51E-08	8.57E-08	1.11E-09	1.12E-07	2.84E-09	1.50E-08	2.64E-10	1.81E-08	2.58E-09	7.86E-09	7.97E-11	1.05E-08
9244	470566.98	3820429.65	3.03E-08	1.18E-07	1.56E-09	1.50E-07	2.53E-08	8.64E-08	1.12E-09	1.13E-07	2.86E-09	1.51E-08	2.66E-10	1.83E-08	2.60E-09	7.93E-09	8.04E-11	1.06E-08
9245	470558.06	3820433.21	3.06E-08	1.19E-07	1.57E-09	1.51E-07	2.55E-08	8.71E-08	1.13E-09	1.14E-07	2.89E-09	1.53E-08	2.68E-10	1.84E-08	2.62E-09	7.99E-09	8.11E-11	1.07E-08
9246	470549.15	3820436.77	3.08E-08	1.20E-07	1.58E-09	1.52E-07	2.57E-08	8.78E-08	1.14E-09	1.15E-07	2.91E-09	1.54E-08	2.70E-10	1.86E-08	2.65E-09	8.05E-09	8.17E-11	1.08E-08
9247	470540.24	3820440.33	3.10E-08	1.20E-07	1.59E-09	1.53E-07	2.59E-08	8.85E-08	1.14E-09	1.15E-07	2.93E-09	1.55E-08	2.72E-10	1.87E-08	2.66E-09	8.11E-09	8.23E-11	1.09E-08
9248	470531.32	3820443.89	3.13E-08	1.21E-07	1.61E-09	1.54E-07	2.60E-08	8.91E-08	1.15E-09	1.16E-07	2.95E-09	1.56E-08	2.74E-10	1.88E-08	2.68E-09	8.17E-09	8.28E-11	1.09E-08
9249	470522.41	3820447.45	3.15E-08	1.22E-07	1.62E-09	1.55E-07	2.62E-08	8.96E-08	1.16E-09	1.17E-07	2.97E-09	1.57E-08	2.76E-10	1.89E-08	2.70E-09	8.22E-09	8.34E-11	1.10E-08
9250	470513.5	3820451.01	3.16E-08	1.23E-07	1.63E-09	1.56E-07	2.64E-08	9.02E-08	1.17E-09	1.18E-07	2.99E-09	1.58E-08	2.77E-10	1.91E-08	2.72E-09	8.27E-09	8.39E-11	1.11E-08
9251	470504.59	3820454.57	3.18E-08	1.23E-07	1.63E-09	1.57E-07	2.65E-08	9.07E-08	1.17E-09	1.18E-07	3.00E-09	1.59E-08	2.79E-10	1.92E-08	2.73E-09	8.32E-09	8.44E-11	1.11E-08
9252	470495.67	3820458.13	3.20E-08	1.24E-07	1.64E-09	1.58E-07	2.66E-08	9.11E-08	1.18E-09	1.19E-07	3.02E-09	1.60E-08	2.80E-10	1.93E-08	2.75E-09	8.36E-09	8.48E-11	1.12E-08
9253	470486.76	3820461.7	3.21E-08	1.25E-07	1.65E-09	1.58E-07	2.68E-08	9.16E-08	1.19E-09	1.20E-07	3.03E-09	1.60E-08	2.82E-10	1.94E-08	2.76E-09	8.40E-09	8.52E-11	1.12E-08
9254	470477.85	3820465.26	3.23E-08	1.25E-07	1.66E-09	1.59E-07	2.69E-08	9.20E-08	1.19E-09	1.20E-07	3.05E-09	1.61E-08	2.83E-10	1.94E-08	2.77E-09	8.43E-09	8.55E-11	1.13E-08
9255	470468.93	3820468.82	3.24E-08	1.26E-07	1.66E-09	1.60E-07	2.70E-08	9.23E-08	1.19E-09	1.20E-07	3.06E-09	1.62E-08	2.84E-10	1.95E-08	2.78E-09	8.47E-09	8.59E-11	1.13E-08
9256	470460.02	3820472.38	3.25E-08	1.26E-07	1.67E-09	1.60E-07	2.71E-08	9.26E-08	1.20E-09	1.21E-07	3.07E-09	1.62E-08	2.85E-10	1.96E-08	2.79E-09	8.49E-09	8.61E-11	1.14E-08
9257	470451.11	3820475.94	3.26E-08	1.26E-07	1.67E-09	1.61E-07	2.72E-08	9.29E-08	1.20E-09	1.21E-07	3.08E-09	1.63E-08	2.86E-10	1.96E-08	2.80E-09	8.52E-09	8.64E-11	1.14E-08
9258	470442.2	3820479.5	3.27E-08	1.27E-07	1.68E-09	1.61E-07	2.72E-08	9.32E-08	1.21E-09	1.22E-07	3.09E-09	1.63E-08	2.87E-10	1.97E-08	2.81E-09	8.55E-09	8.67E-11	1.14E-08
9259	470433.28	3820483.06	3.28E-08	1.27E-07	1.68E-09	1.62E-07	2.73E-08	9.34E-08	1.21E-09	1.22E-07	3.10E-09	1.64E-08	2.87E-10	1.97E-08	2.81E-09	8.57E-09	8.69E-11	1.15E-08
9260	470424.37	3820486.62	3.29E-08	1.27E-07	1.69E-09	1.62E-07	2.74E-08	9.36E-08	1.21E-09	1.22E-07	3.10E-09	1.64E-08	2.88E-10	1.98E-08	2.82E-09	8.59E-09	8.71E-11	1.15E-08
9261	470415.46	3820490.18	3.29E-08	1.28E-07	1.69E-09	1.62E-07	2.74E-08	9.38E-08	1.21E-09	1.22E-07	3.11E-09	1.64E-08	2.89E-10	1.98E-08	2.83E-09	8.61E-09	8.73E-11	1.15E-08
9262	470406.54	3820493.75	3.30E-08	1.28E-07	1.70E-09	1.63E-07	2.75E-08	9.40E-08	1.22E-09	1.23E-07	3.12E-09	1.65E-08	2.89E-10	1.99E-08	2.83E-09	8.63E-09	8.75E-11	1.15E-08
9263	470397.63	3820497.31	3.31E-08	1.28E-07	1.70E-09	1.63E-07	2.76E-08	9.43E-08	1.22E-09	1.23E-07	3.12E-09	1.65E-08	2.90E-10	1.99E-08	2.84E-09	8.65E-09	8.77E-11	1.16E-08
9264	470388.72	3820500.87	3.32E-08	1.29E-07	1.70E-09	1.64E-07	2.76E-08	9.45E-08	1.22E-09	1.23E-07	3.13E-09	1.66E-08	2.91E-10	2.00E-08	2.85E-09	8.67E-09	8.79E-11	1.16E-08
9265	470379.81	3820504.43	3.33E-08	1.29E-07	1.71E-09	1.64E-07	2.77E-08	9.48E-08	1.23E-09	1.24E-07	3.14E-09	1.66E-08	2.92E-10	2.00E-08	2.86E-09	8.70E-09	8.82E-11	1.16E-08
9266	470370.89	3820507.99	3.34E-08	1.29E-07	1.71E-09	1.64E-07	2.78E-08	9.51E-08	1.23E-09	1.24E-07	3.15E-09	1.67E-08	2.92E-10	2.01E-08	2.86E-09	8.72E-09	8.84E-11	1.17E-08
9267	470361.98	3820511.55	3.35E-08	1.30E-07	1.72E-09	1.65E-07	2.79E-08	9.54E-08	1.23E-09	1.24E-07	3.16E-09	1.67E-08	2.93E-10	2.02E-08	2.87E-09	8.75E-09	8.87E-11	1.17E-08
9268	470353.07	3820515.11	3.36E-08	1.30E-07	1.72E-09	1.65E-07	2.80E-08	9.57E-08	1.24E-09	1.25E-07	3.17E-09	1.68E-08	2.94E-10	2.02E-08	2.88E-09	8.77E-09	8.90E-11	1.17E-08
9269	470344.15	3820518.67	3.36E-08	1.31E-07	1.73E-09	1.66E-07	2.80E-08	9.59E-08	1.24E-09	1.25E-07	3.18E-09	1.68E-08	2.95E-10	2.03E-08	2.89E-09	8.80E-09	8.92E-11	1.18E-08
9270	470335.24	3820522.23	3.37E-08	1.31E-07	1.73E-09	1.66E-07	2.81E-08	9.61E-08	1.24E-09	1.25E-07	3.18E-09	1.68E-08	2.96E-10	2.03E-08	2.90E-09	8.82E-09	8.94E-11	1.18E-08
9271	470326.33	3820525.8	3.38E-08	1.31E-07	1.74E-09	1.67E-07	2.82E-08	9.64E-08	1.25E-09	1.26E-07	3.19E-09	1.69E-08	2.96E-10	2.04E-08	2.90E-09	8.84E-09	8.96E-11	1.18E-08
9272	470317.42	3820529.36	3.39E-08	1.32E-07	1.74E-09	1.67E-07	2.82E-08	9.66E-08	1.25E-09	1.26E-07	3.20E-09	1.69E-08	2.97E-10	2.04E-08	2.91E-09	8.86E-09	8.99E-11	1.19E-08
9273	470308.5	3820532.92	3.40E-08	1.32E-07	1.75E-09	1.68E-07	2.83E-08	9.69E-08	1.25E-09	1.26E-07	3.21E-09	1.70E-08	2.98E-10	2.05E-08	2.92E-09	8.89E-09	9.01E-11	1.19E-08
9274	470299.59	3820536.48	3.41E-08	1.32E-07	1.75E-09	1.68E-07	2.84E-08	9.72E-08	1.26E-09	1.27E-07	3.22E-09	1.70E-08	2.99E-10	2.05E-08	2.93E-09	8.91E-09	9.04E-11	1.19E-08
9275	470290.68	3820540.04	3.42E-08	1.33E-07	1.76E-09	1.69E-07	2.85E-08	9.75E-08	1.26E-09	1.27E-07	3.23E-09	1.71E-08	3.00E-10	2.06E-08	2.94E-09	8.94E-09	9.07E-11	1.20E-08
9276	470281.76	3820543.6	3.43E-08	1.33E-07	1.76E-09	1.69E-07	2.86E-08	9.78E-08	1.27E-09	1.28E-07	3.24E-09	1.71E-08	3.01E-10	2.07E-08	2.95E-09	8.97E-09	9.09E-11	1.20E-08
9277	470272.85	3820547.16	3.44E-08	1.33E-07	1.77E-09	1.70E-07	2.87E-08	9.81E-08	1.27E-09	1.28E-07	3.25E-09	1.72E-08	3.02E-10	2.07E-08	2.95E-09	8.99E-09	9.12E-11	1.20E-08
9278	471379.21	3819460.26	1.86E-08	7.22E-08	9.56E-10	9.17E-08	1.55E-08	5.30E-08	6.86E-10	6.92E-08	1.76E-09	9.29E-09	1.63E-10	1.12E-08	1.60E-09	4.86E-09	4.93E-11	6.51E-09
9279	471379.29	3819450.61	1.86E-08	7.20E-08	9.54E-10	9.15E-08	1.55E-08	5.29E-08	6.84E-10	6.90E-08	1.75E-09	9.27E-09	1.63E-10	1.12E-08	1.59E-09	4.85E-09	4.92E-11	6.49E-09
9280	471379.38	3819440.97	1.85E-08	7.18E-08	9.51E-10	9.12E-08	1.54E-08	5.27E-08	6.82E-10	6.88E-08	1.75E-09	9.24E-09	1.62E-10	1.11E-08	1.59E-09	4.84E-09	4.91E-11	6.47E-09
9281	471379.46	3819431.32	1.84E-08	7.15E-08	9.47E-10	9.09E-08	1.54E-08	5.25E-08	6.80E-10	6.86E-08	1.74E-09	9.21E-09	1.62E-10	1.11E-08	1.58E-09	4.82E-09	4.89E-11	6.45E-09
9282	471379.54	3819421.67	1.84E-08	7.12E-08	9.44E-10	9.06E-08	1.53E-08	5.24E-08	6.77E-10	6.83E-08	1.73E-09	9.17E-09	1.61E-10	1.11E-08	1.58E-09	4.80E-09	4.87E-11	6.43E-09
9283	471379.62	3819412.02	1.83E-08	7.09E-08	9.40E-10	9.02E-08	1.52E-08	5.21E-08	6.75E-10	6.80E-08	1.73E-09	9.13E-09	1.60E-10	1.10E-08	1.57E-09	4.78E-09	4.85E-11	6.40E-09
9284	471379.71	3819402.37	1.82E-08	7.06E-08	9.36E-10	8.98E-08	1.52E-08	5.19E-08	6.72E-10	6.77E-08	1.72E-09	9.09E-09	1.60E-10	1.10E-08	1.56E-09	4.76E-09	4.83E-11	6.37E-09
9285	471379.79	3819392.72	1.81E-08	7.03E-08	9.31E-10	8.93E-08	1.51E-08	5.16E-08	6.68E-10	6.74E-08	1.71E-09	9.05E-09	1.59E-10	1.09E-08	1.56E-09	4.74E-09	4.80E-11	6.34E-09
9286	471379.87	3819383.08	1.80E-08	6.99E-08	9.26E-10	8.89E-08	1.50E-08	5.14E-08	6.65E-10	6.70E-08	1.70E-09	9.00E-09	1.58E-10	1.09E-08	1.55E-09	4.71E-09	4.78E-11	6.31E-09
9287	471379.95	3819373.43	1.79E-08	6.95E-08	9.21E-10	8.83E-08	1.49E-08	5.11E-08	6.61E-10	6.67E-08	1.69E-09	8.95E-09	1.57E-10	1.08E-08	1.54E-09	4.68E-09	4.75E-11	6.27E-09
9288	471380.04	3819363.78	1.78E-08	6.91E-08	9.15E-10	8.78E-08	1.48E-08	5.07E-08	6.57E-10	6.62E-08	1.68E-09	8.89E-09	1.56E-10	1.07E-08	1.53E-09	4.65E-09	4.72E-11	6.23E-09
9289	471380.12	3819354.13	1.77E-08	6.86E-08	9.09E-10	8.72E-08	1.47E-08	5.04E-08	6.52E-10	6.58E-08	1.67E-09	8.83E-09	1.55E-10	1.07E-08	1.52E-09	4.62E-09	4.69E-11	6.19E-09
9290	471380.2	3819344.48	1.76E-08	6.81E-08	9.02E-10	8.66E-08	1.46E-08	5.00E-08	6.48E-10	6.53E-08	1.66E-09	8.77E-09	1.54E-10	1.06E-08	1.51E-09	4.59E-09	4.65E-11	6.14E-09
9291	471380.29	3819334.84	1.74E-08	6.76E-08	8.95E-10	8.59E-08	1.45E-08	4.97E-08	6.43E-10	6.48E-08	1.65E-09	8.70E-09	1.53E-10	1.05E-08	1.50E-09	4.55E-09	4.62E-11	6.10E-09
9292	471380.37	3819325.19	1.73E-08	6.70E-08	8.88E-10	8.52E-08	1.44E-08	4.93E-08	6.37E-10	6.43E-08	1.63E-09	8.63E-09	1.51E-10	1.04E-08	1.48E-09	4.52E-09	4.58E-11	6.05E-09
9293	471380.62	3819296.24	1.68E-08	6.52E-08	8.64E-10	8.29E-08	1.40E-08	4.79E-08	6.20E-10	6.25E-08	1.59E-09	8.39E-09	1.47E-10	1.01E-08	1.44E-09	4.40E-09	4.46E-11	5.88E-09
9294	471380.7	3819286.59	1.66E-08	6.45E-08	8.55E-10	8.20E-08	1.39E-08	4.74E-08	6.14E-10	6.19E-08	1.57E-09	8.31E-09	1.46E-10	1.00E-08	1.43E-09	4.35E-09	4.41E-11	5.82E-09
9295	471380.78	3819276.95	1.65E-08	6.39E-08	8.46E-10	8.12E-08	1.37E-08	4.69E-08	6.07E-10	6.12E-08	1.55E-09	8.22E-09	1.44E-10	9.92E-09	1.41E-09	4.30E-09	4.36E-11	5.76E-09
9296	471380.86	3819267.3	1.63E-08	6.31E-08	8.36E-10	8.03E-08	1.36E-08	4.64E-08	6.00E-10	6.06E-08	1.54E-09	8.13E-09	1.43E-10	9.81E-09	1.40E-09	4.26E-09	4.32E-11	5.70E-09
9297	471380.95	3819257.65	1.61E-08	6.24E-08	8.27E-10	7.93E-08	1.34E-08	4.59E-08	5.93E-10	5.98E-08	1.52E-09	8.03E-09	1.41E-10	9.69E-09	1.38E-09	4.21E-09	4.27E-11	5.63E-09
9298	471455.43	3819469.82	1.64E-08	6.35E-08	8.41E-10	8.07E-08	1.36E-08	4.67E-08	6.04E-10	6.09E-08	1.55E-09	8.18E-09	1.44E-10	9.87E-09	1.41E-09	4.28E-09	4.34E-11	5.73E-09
9299	471451.65	3819478.68	1.65E-08	6.40E-08	8.48E-10	8.14E-08	1.38E-08	4.71E-08	6.09E-10	6.14E-08	1.56E-09	8.24E-09	1.45E-10	9.95E-09	1.42E-09	4.32E-09	4.38E-11	5.78E-09
9300	471447.88	3819487.55	1.66E-08	6.45E-08	8.55E-10	8.20E-08	1.39E-08	4.74E-08	6.14E-10	6.19E-08	1.57E-09	8.31E-09	1.46E-10	1.00E-08	1.43E-09	4.35E-09	4.41E-11	5.82E-09
9301	471444.1	3819496.42	1.68E-08	6.50E-08	8.61E-10	8.27E-08	1.40E-08	4.78E-08	6.18E-10	6.24E-08	1.58E-09	8.37E-09	1.47E-10	1.01E-08	1.44E-09	4.38E-09	4.44E-11	5.87E-09
9302	471440.32	3819505.29	1.69E-08	6.55E-08	8.68E-10	8.33E-08	1.41E-08	4.81E-08	6.23E-10	6.28E-08	1.60E-09	8.43E-09	1.48E-10	1.02E-08	1.45E-09	4.42E-09	4.48E-11	5.91E-09
9303	471436.55	3819514.16	1.70E-08	6.60E-08	8.74E-10	8.39E-08	1.42E-08	4.85E-08	6.28E-10	6.33E-08	1.61E-09	8.50E-09	1.49E-10	1.03E-08	1.46E-09	4.45E-09	4.51E-11	5.95E-09
9304	471432.77	3819523.02	1.71E-08	6.65E-08	8.81E-10	8.45E-08	1.43E-08	4.88E-08	6.32E-10	6.38E-08	1.62E-09	8.56E-09	1.50E-10	1.03E-08	1.47E-09	4.48E-09	4.54E-11	6.00E-09
9305	471428.99	3819531.89	1.73E-08	6.69E-08	8.87E-10	8.51E-08	1.44E-08	4.92E-08	6.37E-10	6.42E-08	1.63E-09	8.62E-09	1.51E-10	1.04E-08	1.48E-09	4.51E-09	4.58E-11	6.04E-09
9306	471425.22	3819540.76	1.74E-08	6.74E-08	8.93E-10	8.57E-08	1.45E-08	4.95E-08	6.41E-10	6.46E-08	1.64E-09	8.68E-09	1.52E-10	1.05E-08	1.49E-09	4.54E-09	4.61E-11	6.08E-09
9307	471421.44	3819549.63	1.75E-08	6.78E-08	8.99E-10	8.62E-08	1.46E-08	4.99E-08	6.45E-10	6.51E-08	1.65E-09	8.73E-09	1.53E-10	1.05E-08	1.50E-09	4.57E-09	4.64E-11	6.12E-09
9308	471417.66	3819558.5	1.76E-08	6.83E-08	9.05E-10	8.68E-08	1.47E-08	5.02E-08	6.49E-10	6.55E-08	1.66E-09	8.79E-09	1.54E-10	1.06E-08	1.51E-09	4.60E-09	4.67E-11

9309	471413.89	3819567.36	1.77E-08	6.87E-08	9.10E-10	8.73E-08	1.48E-08	5.05E-08	6.53E-10	6.59E-08	1.67E-09	8.85E-09	1.55E-10	1.07E-08	1.52E-09	4.63E-09	4.70E-11	6.20E-09
9310	471410.11	3819576.23	1.78E-08	6.91E-08	9.16E-10	8.79E-08	1.48E-08	5.08E-08	6.57E-10	6.63E-08	1.68E-09	8.90E-09	1.56E-10	1.07E-08	1.53E-09	4.66E-09	4.73E-11	6.24E-09
9311	471406.33	3819585.1	1.79E-08	6.96E-08	9.22E-10	8.84E-08	1.49E-08	5.11E-08	6.62E-10	6.67E-08	1.69E-09	8.96E-09	1.57E-10	1.08E-08	1.54E-09	4.69E-09	4.76E-11	6.28E-09
9312	471402.56	3819593.97	1.80E-08	7.00E-08	9.27E-10	8.90E-08	1.50E-08	5.14E-08	6.66E-10	6.71E-08	1.70E-09	9.01E-09	1.58E-10	1.09E-08	1.55E-09	4.72E-09	4.78E-11	6.31E-09
9313	471387.45	3819629.44	1.85E-08	7.16E-08	9.48E-10	9.10E-08	1.54E-08	5.26E-08	6.81E-10	6.87E-08	1.74E-09	9.21E-09	1.62E-10	1.11E-08	1.58E-09	4.82E-09	4.89E-11	6.46E-09
9314	471383.67	3819638.31	1.86E-08	7.20E-08	9.53E-10	9.15E-08	1.55E-08	5.29E-08	6.84E-10	6.90E-08	1.75E-09	9.26E-09	1.63E-10	1.12E-08	1.59E-09	4.85E-09	4.92E-11	6.49E-09
9315	471379.9	3819647.18	1.87E-08	7.23E-08	9.58E-10	9.20E-08	1.55E-08	5.32E-08	6.88E-10	6.94E-08	1.76E-09	9.31E-09	1.63E-10	1.12E-08	1.60E-09	4.88E-09	4.94E-11	6.53E-09
9316	471376.12	3819656.05	1.87E-08	7.27E-08	9.63E-10	9.24E-08	1.56E-08	5.34E-08	6.91E-10	6.97E-08	1.77E-09	9.36E-09	1.64E-10	1.13E-08	1.61E-09	4.90E-09	4.97E-11	6.56E-09
9317	471372.34	3819664.91	1.88E-08	7.31E-08	9.68E-10	9.29E-08	1.57E-08	5.37E-08	6.95E-10	7.01E-08	1.78E-09	9.41E-09	1.65E-10	1.13E-08	1.62E-09	4.92E-09	4.99E-11	6.59E-09
9318	471368.57	3819673.78	1.89E-08	7.34E-08	9.72E-10	9.33E-08	1.58E-08	5.39E-08	6.98E-10	7.04E-08	1.79E-09	9.45E-09	1.66E-10	1.14E-08	1.62E-09	4.95E-09	5.02E-11	6.62E-09
9319	471364.79	3819682.65	1.90E-08	7.37E-08	9.77E-10	9.37E-08	1.58E-08	5.42E-08	7.01E-10	7.07E-08	1.80E-09	9.49E-09	1.67E-10	1.15E-08	1.63E-09	4.97E-09	5.04E-11	6.65E-09
9320	471361.01	3819691.52	1.91E-08	7.41E-08	9.81E-10	9.41E-08	1.59E-08	5.44E-08	7.04E-10	7.10E-08	1.80E-09	9.53E-09	1.67E-10	1.15E-08	1.64E-09	4.99E-09	5.06E-11	6.68E-09
9321	471357.24	3819700.39	1.92E-08	7.44E-08	9.85E-10	9.45E-08	1.60E-08	5.47E-08	7.07E-10	7.13E-08	1.81E-09	9.57E-09	1.68E-10	1.16E-08	1.65E-09	5.01E-09	5.08E-11	6.71E-09
9322	471353.46	3819709.25	1.93E-08	7.47E-08	9.89E-10	9.49E-08	1.60E-08	5.49E-08	7.10E-10	7.16E-08	1.82E-09	9.61E-09	1.69E-10	1.16E-08	1.65E-09	5.03E-09	5.10E-11	6.74E-09
9323	471349.68	3819718.12	1.93E-08	7.50E-08	9.93E-10	9.53E-08	1.61E-08	5.51E-08	7.13E-10	7.19E-08	1.82E-09	9.65E-09	1.69E-10	1.16E-08	1.66E-09	5.05E-09	5.12E-11	6.76E-09
9324	471345.91	3819726.99	1.94E-08	7.52E-08	9.97E-10	9.56E-08	1.62E-08	5.53E-08	7.15E-10	7.21E-08	1.83E-09	9.68E-09	1.70E-10	1.17E-08	1.67E-09	5.07E-09	5.14E-11	6.79E-09
9325	471342.13	3819735.86	1.95E-08	7.55E-08	1.00E-09	9.59E-08	1.62E-08	5.55E-08	7.18E-10	7.24E-08	1.84E-09	9.72E-09	1.71E-10	1.17E-08	1.67E-09	5.09E-09	5.16E-11	6.81E-09
9326	471338.35	3819744.73	1.95E-08	7.57E-08	1.00E-09	9.62E-08	1.63E-08	5.56E-08	7.20E-10	7.26E-08	1.84E-09	9.75E-09	1.71E-10	1.18E-08	1.68E-09	5.10E-09	5.17E-11	6.83E-09
9327	471334.58	3819753.59	1.96E-08	7.59E-08	1.01E-09	9.65E-08	1.63E-08	5.58E-08	7.22E-10	7.28E-08	1.85E-09	9.78E-09	1.72E-10	1.18E-08	1.68E-09	5.12E-09	5.19E-11	6.85E-09
9328	471330.8	3819762.46	1.96E-08	7.61E-08	1.01E-09	9.68E-08	1.64E-08	5.59E-08	7.24E-10	7.30E-08	1.85E-09	9.80E-09	1.72E-10	1.18E-08	1.69E-09	5.13E-09	5.20E-11	6.87E-09
9329	471327.02	3819771.33	1.97E-08	7.63E-08	1.01E-09	9.70E-08	1.64E-08	5.61E-08	7.26E-10	7.32E-08	1.86E-09	9.82E-09	1.72E-10	1.19E-08	1.69E-09	5.14E-09	5.22E-11	6.89E-09
9330	471323.25	3819780.2	1.97E-08	7.65E-08	1.01E-09	9.72E-08	1.64E-08	5.62E-08	7.27E-10	7.34E-08	1.86E-09	9.85E-09	1.73E-10	1.19E-08	1.69E-09	5.16E-09	5.23E-11	6.90E-09
9331	471319.47	3819789.07	1.98E-08	7.66E-08	1.02E-09	9.74E-08	1.65E-08	5.63E-08	7.29E-10	7.35E-08	1.87E-09	9.87E-09	1.73E-10	1.19E-08	1.70E-09	5.17E-09	5.24E-11	6.92E-09
9332	471315.69	3819797.93	1.98E-08	7.68E-08	1.02E-09	9.76E-08	1.65E-08	5.64E-08	7.30E-10	7.36E-08	1.87E-09	9.88E-09	1.73E-10	1.19E-08	1.70E-09	5.17E-09	5.25E-11	6.93E-09
9333	471311.92	3819806.8	1.98E-08	7.69E-08	1.02E-09	9.77E-08	1.65E-08	5.65E-08	7.31E-10	7.37E-08	1.87E-09	9.90E-09	1.74E-10	1.19E-08	1.70E-09	5.18E-09	5.26E-11	6.94E-09
9334	471308.14	3819815.67	1.98E-08	7.70E-08	1.02E-09	9.79E-08	1.65E-08	5.66E-08	7.32E-10	7.38E-08	1.87E-09	9.91E-09	1.74E-10	1.20E-08	1.70E-09	5.19E-09	5.26E-11	6.95E-09
9335	471304.36	3819824.54	1.99E-08	7.71E-08	1.02E-09	9.79E-08	1.65E-08	5.66E-08	7.33E-10	7.39E-08	1.88E-09	9.92E-09	1.74E-10	1.20E-08	1.71E-09	5.19E-09	5.27E-11	6.95E-09
9336	471300.59	3819833.41	1.99E-08	7.71E-08	1.02E-09	9.80E-08	1.66E-08	5.67E-08	7.33E-10	7.40E-08	1.88E-09	9.93E-09	1.74E-10	1.20E-08	1.71E-09	5.20E-09	5.27E-11	6.96E-09
9337	471296.81	3819842.28	1.99E-08	7.71E-08	1.02E-09	9.80E-08	1.66E-08	5.67E-08	7.34E-10	7.40E-08	1.88E-09	9.93E-09	1.74E-10	1.20E-08	1.71E-09	5.20E-09	5.27E-11	6.96E-09
9338	471293.03	3819851.14	1.99E-08	7.72E-08	1.02E-09	9.81E-08	1.66E-08	5.67E-08	7.34E-10	7.40E-08	1.88E-09	9.93E-09	1.74E-10	1.20E-08	1.71E-09	5.20E-09	5.27E-11	6.96E-09
9339	471289.26	3819860.01	1.99E-08	7.72E-08	1.02E-09	9.81E-08	1.66E-08	5.67E-08	7.34E-10	7.40E-08	1.88E-09	9.93E-09	1.74E-10	1.20E-08	1.71E-09	5.20E-09	5.27E-11	6.96E-09
9340	471285.48	3819868.88	1.99E-08	7.71E-08	1.02E-09	9.80E-08	1.66E-08	5.67E-08	7.34E-10	7.40E-08	1.88E-09	9.93E-09	1.74E-10	1.20E-08	1.71E-09	5.20E-09	5.27E-11	6.96E-09
9341	471281.7	3819877.75	1.99E-08	7.71E-08	1.02E-09	9.80E-08	1.66E-08	5.67E-08	7.33E-10	7.40E-08	1.88E-09	9.93E-09	1.74E-10	1.20E-08	1.71E-09	5.20E-09	5.27E-11	6.96E-09
9342	471277.93	3819886.62	1.99E-08	7.71E-08	1.02E-09	9.80E-08	1.66E-08	5.66E-08	7.33E-10	7.39E-08	1.88E-09	9.92E-09	1.74E-10	1.20E-08	1.71E-09	5.19E-09	5.27E-11	6.95E-09
9343	471274.15	3819895.48	1.99E-08	7.70E-08	1.02E-09	9.79E-08	1.65E-08	5.66E-08	7.32E-10	7.38E-08	1.87E-09	9.91E-09	1.74E-10	1.20E-08	1.70E-09	5.19E-09	5.26E-11	6.95E-09
9344	471270.37	3819904.35	1.98E-08	7.69E-08	1.02E-09	9.78E-08	1.65E-08	5.65E-08	7.32E-10	7.38E-08	1.87E-09	9.90E-09	1.74E-10	1.19E-08	1.70E-09	5.19E-09	5.26E-11	6.94E-09
9345	471266.6	3819913.22	1.98E-08	7.68E-08	1.02E-09	9.77E-08	1.65E-08	5.65E-08	7.31E-10	7.37E-08	1.87E-09	9.89E-09	1.74E-10	1.19E-08	1.70E-09	5.18E-09	5.25E-11	6.93E-09
9346	471262.82	3819922.09	1.98E-08	7.67E-08	1.02E-09	9.75E-08	1.65E-08	5.64E-08	7.30E-10	7.36E-08	1.87E-09	9.88E-09	1.73E-10	1.19E-08	1.70E-09	5.17E-09	5.25E-11	6.92E-09
9347	471259.04	3819930.96	1.98E-08	7.66E-08	1.02E-09	9.74E-08	1.65E-08	5.63E-08	7.29E-10	7.35E-08	1.87E-09	9.86E-09	1.73E-10	1.19E-08	1.70E-09	5.17E-09	5.24E-11	6.91E-09
9348	471255.27	3819939.82	1.97E-08	7.65E-08	1.01E-09	9.72E-08	1.64E-08	5.62E-08	7.27E-10	7.34E-08	1.86E-09	9.85E-09	1.73E-10	1.19E-08	1.69E-09	5.16E-09	5.23E-11	6.90E-09
9349	471251.49	3819948.69	1.97E-08	7.64E-08	1.01E-09	9.71E-08	1.64E-08	5.61E-08	7.26E-10	7.32E-08	1.86E-09	9.83E-09	1.73E-10	1.19E-08	1.69E-09	5.15E-09	5.22E-11	6.89E-09
9350	471247.71	3819957.56	1.97E-08	7.62E-08	1.01E-09	9.69E-08	1.64E-08	5.60E-08	7.25E-10	7.31E-08	1.86E-09	9.81E-09	1.72E-10	1.18E-08	1.69E-09	5.14E-09	5.21E-11	6.88E-09
9351	471243.94	3819966.43	1.96E-08	7.61E-08	1.01E-09	9.67E-08	1.63E-08	5.59E-08	7.24E-10	7.30E-08	1.85E-09	9.80E-09	1.72E-10	1.18E-08	1.68E-09	5.13E-09	5.20E-11	6.87E-09
9352	471240.16	3819975.3	1.96E-08	7.60E-08	1.01E-09	9.65E-08	1.63E-08	5.58E-08	7.22E-10	7.28E-08	1.85E-09	9.78E-09	1.72E-10	1.18E-08	1.68E-09	5.12E-09	5.19E-11	6.85E-09
9353	471236.38	3819984.16	1.95E-08	7.58E-08	1.00E-09	9.63E-08	1.63E-08	5.57E-08	7.21E-10	7.27E-08	1.85E-09	9.76E-09	1.71E-10	1.18E-08	1.68E-09	5.11E-09	5.18E-11	6.84E-09
9354	471232.61	3819993.03	1.95E-08	7.56E-08	1.00E-09	9.61E-08	1.62E-08	5.56E-08	7.19E-10	7.25E-08	1.84E-09	9.74E-09	1.71E-10	1.18E-08	1.67E-09	5.10E-09	5.17E-11	6.82E-09
9355	471228.83	3820001.9	1.95E-08	7.55E-08	1.00E-09	9.60E-08	1.62E-08	5.55E-08	7.18E-10	7.24E-08	1.84E-09	9.72E-09	1.71E-10	1.17E-08	1.67E-09	5.09E-09	5.16E-11	6.81E-09
9356	471225.05	3820010.77	1.94E-08	7.53E-08	9.98E-10	9.58E-08	1.62E-08	5.54E-08	7.16E-10	7.23E-08	1.83E-09	9.70E-09	1.70E-10	1.17E-08	1.67E-09	5.08E-09	5.15E-11	6.80E-09
9357	471221.28	3820019.64	1.94E-08	7.52E-08	9.96E-10	9.56E-08	1.61E-08	5.52E-08	7.15E-10	7.21E-08	1.83E-09	9.68E-09	1.70E-10	1.17E-08	1.66E-09	5.07E-09	5.14E-11	6.78E-09
9358	471217.5	3820028.51	1.93E-08	7.50E-08	9.94E-10	9.53E-08	1.61E-08	5.51E-08	7.13E-10	7.19E-08	1.83E-09	9.66E-09	1.69E-10	1.17E-08	1.66E-09	5.06E-09	5.13E-11	6.77E-09
9359	471213.72	3820037.37	1.93E-08	7.49E-08	9.92E-10	9.51E-08	1.61E-08	5.50E-08	7.12E-10	7.18E-08	1.82E-09	9.64E-09	1.69E-10	1.16E-08	1.66E-09	5.05E-09	5.12E-11	6.75E-09
9360	471209.95	3820046.24	1.93E-08	7.47E-08	9.89E-10	9.49E-08	1.60E-08	5.49E-08	7.10E-10	7.16E-08	1.82E-09	9.61E-09	1.69E-10	1.16E-08	1.65E-09	5.03E-09	5.10E-11	6.74E-09
9361	471206.17	3820055.11	1.92E-08	7.45E-08	9.87E-10	9.47E-08	1.60E-08	5.47E-08	7.08E-10	7.15E-08	1.81E-09	9.59E-09	1.68E-10	1.16E-08	1.65E-09	5.02E-09	5.09E-11	6.72E-09
9362	471202.39	3820063.98	1.92E-08	7.43E-08	9.85E-10	9.45E-08	1.60E-08	5.46E-08	7.07E-10	7.13E-08	1.81E-09	9.57E-09	1.68E-10	1.15E-08	1.65E-09	5.01E-09	5.08E-11	6.71E-09
9363	471198.62	3820072.85	1.91E-08	7.42E-08	9.83E-10	9.43E-08	1.59E-08	5.45E-08	7.05E-10	7.11E-08	1.81E-09	9.55E-09	1.68E-10	1.15E-08	1.64E-09	5.00E-09	5.07E-11	6.69E-09
9364	471194.84	3820081.71	1.91E-08	7.40E-08	9.80E-10	9.41E-08	1.59E-08	5.44E-08	7.04E-10	7.10E-08	1.80E-09	9.53E-09	1.67E-10	1.15E-08	1.64E-09	4.99E-09	5.06E-11	6.68E-09
9365	471191.06	3820090.58	1.90E-08	7.38E-08	9.78E-10	9.38E-08	1.59E-08	5.42E-08	7.02E-10	7.08E-08	1.80E-09	9.50E-09	1.67E-10	1.15E-08	1.63E-09	4.98E-09	5.05E-11	6.66E-09
9366	471187.29	3820099.45	1.90E-08	7.37E-08	9.76E-10	9.36E-08	1.58E-08	5.41E-08	7.00E-10	7.06E-08	1.79E-09	9.48E-09	1.66E-10	1.14E-08	1.63E-09	4.96E-09	5.03E-11	6.65E-09
9367	471183.51	3820108.32	1.89E-08	7.35E-08	9.74E-10	9.34E-08	1.58E-08	5.40E-08	6.99E-10	7.05E-08	1.79E-09	9.46E-09	1.66E-10	1.14E-08	1.63E-09	4.95E-09	5.02E-11	6.63E-09
9368	471179.73	3820117.19	1.89E-08	7.33E-08	9.71E-10	9.32E-08	1.57E-08	5.39E-08	6.97E-10	7.03E-08	1.79E-09	9.44E-09	1.66E-10	1.14E-08	1.62E-09	4.94E-09	5.01E-11	6.61E-09
9369	471175.96	3820126.05	1.89E-08	7.31E-08	9.69E-10	9.30E-08	1.57E-08	5.37E-08	6.95E-10	7.01E-08	1.78E-09	9.41E-09	1.65E-10	1.14E-08	1.62E-09	4.93E-09	5.00E-11	6.60E-09
9370	471172.18	3820134.92	1.88E-08	7.30E-08	9.66E-10	9.27E-08	1.57E-08	5.36E-08	6.94E-10	7.00E-08	1.78E-09	9.39E-09	1.65E-10	1.13E-08	1.61E-09	4.92E-09	4.99E-11	6.58E-09
9371	471168.4	3820143.79	1.88E-08	7.28E-08	9.64E-10	9.25E-08	1.56E-08	5.35E-08	6.92E-10	6.98E-08	1.77E-09	9.37E-09	1.64E-10	1.13E-08	1.61E-09	4.90E-09	4.97E-11	6.57E-09
9372	471164.63	3820152.66	1.87E-08	7.26E-08	9.62E-10	9.23E-08	1.56E-08	5.33E-08	6.90E-10	6.96E-08	1.77E-09	9.34E-09	1.64E-10	1.13E-08	1.61E-09	4.89E-09	4.96E-11	6.55E-09
9373	471160.85	3820161.53	1.87E-08	7.24E-08	9.59E-10	9.20E-08	1.55E-08	5.32E-08	6.88E-10	6.94E-08	1.76E-09	9.32E-09	1.64E-10	1.12E-08	1.60E-09	4.88E-09	4.95E-11	6.53E-09
9374	471157.07	3820170.39	1.86E-08	7.22E-08	9.56E-10	9.17E-08	1.55E-08	5.30E-08	6.86E-10	6.92E-08	1.76E-09	9.29E-09	1.63E-10	1.12E-08	1.60E-09	4.86E-09	4.93E-11	6.51E-09
9375	471153.3	3820179.26	1.85E-08	7.19E-08	9.53E-10	9.14E-08	1.54E-08	5.29E-08	6.84E-10	6.90E-08	1.75E-09	9.26E-09	1.63E-10	1.12E-08	1.59E-09	4.85E-09	4.92E-11	6.49E-09
9376	471149.52	3820188.13	1.85E-08	7.17E-08	9.50E-10	9.11E-08	1.54E-08	5.27E-08	6.82E-10	6.88E-08	1.75E-09	9.23E-09	1.62E-10	1.11E-08	1.59E-09	4.83E-09	4.90E-11	6.47E-09
9377	471145.74	3820197	1.84E-08	7.15E-08	9.47E-10	9.09E-08	1.54E-08	5.25E-08	6.80E-10	6.86E-08	1.74E-09	9.20E-09	1.62E-10	1.11E-08	1.58E-09	4.82E-09	4.89E-11	6.45E-09
9378	471141.97	3820205.87	1.84E-08	7.13E-08	9.44E-10	9.06E-08	1.53E-08	5.24E-08	6.78E-10	6.84E-08	1.74E-09	9.17E-09	1.61E-10	1.11E-08	1.58E-09	4.80E-09	4.87E-11	6.43E-09
9379	471138.19	3820214.73	1.83E-08	7.10E-08	9.41E-10	9.03E-08	1.53E-08	5.22E-08	6.75E-10	6.81E-08	1.73E-09	9.14E-09	1.60E-10	1.10E-08	1.57E-09	4.79E-09	4.86E-11	6.41E-09
9380	471134.41	3820223.6	1.83E-08	7.08E-08	9.38E-10	9.00E-08	1.52E-08	5.20E-08	6.73E-10	6.79E-08	1.72E-09	9.11E-09	1.60E-10	1.10E-08	1.57E-09	4.77E-09	4.84E-11	6.39E-09
9381	471130.64	3820232.47	1.82E-08	7.05E-08	9.34E-10	8.97E-08	1.51E-08	5.18E-08	6.71E-10	6.77E-08	1.72E-09	9.08E-09	1.59E-10	1.10E-08	1.56E-09	4.75E-09	4.82E-11	6.36E-09
9382	471126.86	3820241.34	1.81E-08	7.03E-08	9.31E-10	8.93E-08	1.51E-08	5.16E-08	6.68E-10	6.74E-08	1.71E-09	9.05E-09	1.59E-10	1.09E-08	1.56E-09	4.74E-09	4.80E-11	6.34E-09
9383	471123.08	3820250.21	1.81E-08	7.00E-08	9.28E-10	8.90E-08	1.50E-08	5.14E-08	6.66E-10	6.72E-08	1.70E-09	9.01E-09	1.58E-10	1.09E-08	1.55E-09	4.72E-09	4.79E-11	6.32E-09
9384	471119.31	3820259.08	1.80E-08	6.97E-08	9.24E-10	8.87E-08	1.50E-08	5.13E-08	6.63E-10	6.69E-08	1.70E-09	8.98E-09	1.58E-10	1.08E-08	1.54E-09	4.70E-09	4.77E-11	6.29E-09
9385	471115.53	3820267.94	1.79E-08	6.95E-08	9.20E-10	8.83E-08	1.49E-08	5.10E-08	6.61E-10	6.66E-08	1.69E-09	8.94E-09	1.57E-10	1.08E-08	1.54E-09	4.68E-09	4.75E-11	6.27E-09
9386	471111.75	3820276.81	1.78E-08	6.92E-08	9.16E-10	8.79E-08	1.49E-08	5.08E-08	6.58E-10	6.63E-08	1.68E-09	8.90E-09	1.56E-10	1.07E-08	1.53E-09	4.66E-09	4.73E-11	6.24E-09
9387	471107.98	3820285.68	1.78E-08	6.89E-08	9.12E-10	8.75E-08	1.48E-08	5.06E-08	6.55E-10	6.61E-08	1.68E-09	8.87E-09	1.56E-10	1.07E-08	1.52E-09	4.64E-09	4.71E-11	6.21E-09
9388	471095.25	3820298.12	1.78E-08	6.90E-08	9.14E-10	8.77E-08	1.48E-08	5.07E-08	6.56E-10	6.62E-08	1.68E-09	8.88E-09	1.56E-10	1.07E-08	1.53E-09	4.65E-09	4.71E-11	6.22E-09
9389	471086.3	3820301.7	1.79E-08	6.94E-08	9.19E-10	8.82E-08	1.49E-08	5.10E-08	6.60E-10	6.65E-08	1.69E-09	8.93E-09	1.57E-10	1.08E-08	1.54E-09	4.68E-09	4.74E-11	6.26E-09
9390	471077.35	3820305.28	1.80E-08	6.98E-08	9.24E-10	8.87E-08	1.50E-08	5.13E-08	6.64E-10	6.69E-08	1.70E-09	8.98E-09	1.58E-10	1.08E-08	1.54E-09	4.70E-09	4.77E-11	6.30E-09
9391	471068.4	3820308.85	1.81E-08	7.02E-08	9.29E-10	8.92E-08	1.51E-08	5.16E-08	6.67E-10	6.73E-08	1.71E-09	9.03E-09	1.59E-10	1.09E-08	1.55E-09	4.73E-09	4.80E-11	6.33E-09
9392	471059.44	3820312.43	1.82E-08	7.05E-08	9.34E-10	8.96E-08	1.51E-08	5.18E-08	6.71E-10	6.76E-08	1.72E-09	9.08E-09	1.59E-10	1.10E-08	1.56E-09	4.75E-09	4.82E-11	6.36E-09
9393	471050.49	3820316.01	1.83E-08	7.09E-08	9.39E-10	9.01E-08	1.52E-08	5.21E-08	6.74E-10	6.80E-08	1.73E-09	9.13E-09	1.60E-10	1.10E-08	1.57E-09	4.78E-09	4.85E-11	6.40E-09
9394	471041.54	3820319.58	1.84E-08	7.13E-08	9.44E-10	9.06E-08	1.53E-08	5.24E-08	6.78E-10	6.83E-08	1.73E-09	9.17E-09	1.61E-10	1.11E-08	1.58E-09	4.80E-09	4.87E-11	6.43E-09
9395	471032.59	3820323.16	1.85E-08	7.16E-08	9.49E-10	9.10E-08	1.54E-08	5.26E-08	6.81E-10	6.87E-08	1.74E-09	9.22E-09	1.62E-10	1.11E-08	1.58E-09	4.83E-09	4.89E-11	6.46E-09
9396	471023.64	3820326.73	1.86E-08	7.19E-08	9.53E-10	9.15E-08	1.55E-08	5.29E-08	6.84E-10	6.90E-08	1.75E-09	9.26E-09	1.63E-10	1.12E-08	1.59E-09	4.85E-09	4.92E-11	6.49E-09
9397	471014.69	3820330.31	1.86E-08	7.23E-08	9.58E-10	9.19E-08	1.55E-08	5.31E-08	6.87E-10	6.93E-08	1.76E-09	9.31E-09	1.63E-10	1.12E-08	1.60E-09	4.87E-09	4.94E-11	6.52E-09
9398	471005.74	3820333.89	1.87E-08	7.26E-08	9.62E-10	9.23E-08	1.56E-08	5.34E-08	6.91E-10	6.97E-08	1.77E-09	9.35E-09	1.64E-10	1.13E-08	1.61E-09	4.90E-09	4.97E-11	6.55E-09
9399	470996.79	3820337.46	1.88E-08	7.30E-08	9.67E-10	9.28E-08	1.57E-08	5.36E-08	6.94E-10	7.00E-08	1.78E-09	9.40E-09	1.65E-10	1.13E-08	1.62E-09	4.92E-09	4.99E-11	6.59E-09
9400	470987.84	3820341.04	1.89E-08	7.33E-08	9.72E-10	9.32E-08	1.58E-08	5.39E-08	6.97E-10	7.03E-08	1.79E-09	9.44E-09	1.66E-10	1.14E-08	1.62E-09	4.94E-09	5.01E-11	6.62E-09
9401	470960.99	3820351.77	1.92E-08	7.44E-08	9.86E-10	9.46E-08	1.60E-08	5.47E-08	7.08E-10	7.14E-08	1.81E-09	9.58E-09	1.68E-10	1.16E-08	1.65E-09	5.02E-09	5.09E-11	6.71E-09
9402	470952.04	3820355.34	1.93E-08	7.48E-08	9.91E-10	9.51E-08	1.61E-08	5.50E-08	7.11E-10	7.17E-08	1.82E-09	9.63E-09	1.69E-10	1.16E-08	1.66E-09	5.04E-09	5.11E-11	6.75E-09
9403	470943.08	3820358.92	1.94E-08	7.52E-08	9.96E-10	9.55E-08	1.61E-08	5.52E-08	7.15E-10	7.21E-08	1.83E-09	9.68E-09	1.70E-10	1.17E-08	1.66E-09	5.07E-09	5.14E-11	6.78E-09
9404	470934.13	3820362.5	1.95E-08	7.55E-08	1.00E-09	9.60E-08	1.62E-08	5.55E-08	7.18E-10	7.25E-08	1.84E-09	9.72E-09	1.71E-10	1.17E-08	1.67E-09	5.09E-09	5.16E-11

9405	470925.18	3820366.07	1.96E-08	7.59E-08	1.01E-09	9.65E-08	1.63E-08	5.58E-08	7.22E-10	7.28E-08	1.85E-09	9.78E-09	1.72E-10	1.18E-08	1.68E-09	5.12E-09	5.19E-11	6.85E-09
9406	470916.23	3820369.65	1.97E-08	7.63E-08	1.01E-09	9.70E-08	1.64E-08	5.61E-08	7.26E-10	7.32E-08	1.86E-09	9.83E-09	1.73E-10	1.19E-08	1.69E-09	5.15E-09	5.22E-11	6.89E-09
9407	470907.28	3820373.23	1.98E-08	7.68E-08	1.02E-09	9.76E-08	1.65E-08	5.64E-08	7.30E-10	7.36E-08	1.87E-09	9.88E-09	1.73E-10	1.19E-08	1.70E-09	5.17E-09	5.25E-11	6.93E-09
9408	470898.33	3820376.8	1.99E-08	7.72E-08	1.02E-09	9.82E-08	1.66E-08	5.67E-08	7.34E-10	7.41E-08	1.88E-09	9.94E-09	1.74E-10	1.20E-08	1.71E-09	5.21E-09	5.28E-11	6.97E-09
9409	470889.38	3820380.38	2.00E-08	7.77E-08	1.03E-09	9.87E-08	1.67E-08	5.71E-08	7.39E-10	7.45E-08	1.89E-09	1.00E-08	1.75E-10	1.21E-08	1.72E-09	5.24E-09	5.31E-11	7.01E-09
9410	470880.43	3820383.95	2.01E-08	7.81E-08	1.04E-09	9.93E-08	1.68E-08	5.74E-08	7.43E-10	7.49E-08	1.90E-09	1.01E-08	1.77E-10	1.21E-08	1.73E-09	5.27E-09	5.34E-11	7.05E-09
9411	470871.48	3820387.53	2.03E-08	7.86E-08	1.04E-09	9.99E-08	1.69E-08	5.77E-08	7.47E-10	7.54E-08	1.91E-09	1.01E-08	1.78E-10	1.22E-08	1.74E-09	5.30E-09	5.37E-11	7.09E-09
9412	470862.53	3820391.11	2.04E-08	7.91E-08	1.05E-09	1.01E-07	1.70E-08	5.81E-08	7.52E-10	7.58E-08	1.93E-09	1.02E-08	1.79E-10	1.23E-08	1.75E-09	5.33E-09	5.41E-11	7.14E-09
9413	470790.92	3820419.72	2.17E-08	8.42E-08	1.12E-09	1.07E-07	1.81E-08	6.19E-08	8.01E-10	8.08E-08	2.05E-09	1.08E-08	1.90E-10	1.31E-08	1.86E-09	5.68E-09	5.76E-11	7.60E-09
9414	470781.97	3820423.29	2.19E-08	8.50E-08	1.13E-09	1.08E-07	1.82E-08	6.24E-08	8.08E-10	8.15E-08	2.07E-09	1.09E-08	1.92E-10	1.32E-08	1.88E-09	5.73E-09	5.81E-11	7.66E-09
9415	470773.02	3820426.87	2.21E-08	8.57E-08	1.14E-09	1.09E-07	1.84E-08	6.30E-08	8.15E-10	8.22E-08	2.09E-09	1.10E-08	1.94E-10	1.33E-08	1.90E-09	5.78E-09	5.86E-11	7.73E-09
9416	470764.07	3820430.45	2.23E-08	8.65E-08	1.15E-09	1.10E-07	1.86E-08	6.36E-08	8.23E-10	8.30E-08	2.11E-09	1.11E-08	1.96E-10	1.34E-08	1.92E-09	5.83E-09	5.91E-11	7.81E-09
9417	470755.12	3820434.02	2.25E-08	8.74E-08	1.16E-09	1.11E-07	1.88E-08	6.42E-08	8.31E-10	8.38E-08	2.13E-09	1.12E-08	1.97E-10	1.36E-08	1.93E-09	5.89E-09	5.97E-11	7.88E-09
9418	470746.17	3820437.6	2.28E-08	8.83E-08	1.17E-09	1.12E-07	1.90E-08	6.48E-08	8.39E-10	8.46E-08	2.15E-09	1.14E-08	1.99E-10	1.37E-08	1.95E-09	5.95E-09	6.03E-11	7.96E-09
9419	470737.22	3820441.17	2.30E-08	8.91E-08	1.18E-09	1.13E-07	1.91E-08	6.55E-08	8.47E-10	8.55E-08	2.17E-09	1.15E-08	2.01E-10	1.38E-08	1.97E-09	6.01E-09	6.09E-11	8.04E-09
9420	470728.27	3820444.75	2.32E-08	9.00E-08	1.19E-09	1.14E-07	1.93E-08	6.62E-08	8.56E-10	8.63E-08	2.19E-09	1.16E-08	2.03E-10	1.40E-08	1.99E-09	6.07E-09	6.15E-11	8.12E-09
9421	470719.31	3820448.33	2.34E-08	9.09E-08	1.20E-09	1.16E-07	1.95E-08	6.68E-08	8.65E-10	8.72E-08	2.21E-09	1.17E-08	2.05E-10	1.41E-08	2.01E-09	6.13E-09	6.22E-11	8.21E-09
9422	470710.36	3820451.9	2.37E-08	9.19E-08	1.22E-09	1.17E-07	1.97E-08	6.75E-08	8.74E-10	8.81E-08	2.24E-09	1.18E-08	2.08E-10	1.43E-08	2.03E-09	6.19E-09	6.28E-11	8.29E-09
9423	470701.41	3820455.48	2.40E-08	9.29E-08	1.23E-09	1.18E-07	2.00E-08	6.83E-08	8.84E-10	8.91E-08	2.26E-09	1.20E-08	2.10E-10	1.44E-08	2.06E-09	6.26E-09	6.35E-11	8.38E-09
9424	470692.46	3820459.06	2.42E-08	9.40E-08	1.25E-09	1.19E-07	2.02E-08	6.91E-08	8.94E-10	9.01E-08	2.29E-09	1.21E-08	2.12E-10	1.46E-08	2.08E-09	6.33E-09	6.42E-11	8.48E-09
9425	470683.51	3820462.63	2.45E-08	9.50E-08	1.26E-09	1.21E-07	2.04E-08	6.98E-08	9.04E-10	9.11E-08	2.31E-09	1.22E-08	2.15E-10	1.48E-08	2.10E-09	6.41E-09	6.50E-11	8.57E-09
9426	470674.56	3820466.21	2.48E-08	9.61E-08	1.27E-09	1.22E-07	2.06E-08	7.06E-08	9.14E-10	9.21E-08	2.34E-09	1.24E-08	2.17E-10	1.49E-08	2.13E-09	6.48E-09	6.57E-11	8.67E-09
9427	470665.61	3820469.78	2.50E-08	9.71E-08	1.29E-09	1.23E-07	2.09E-08	7.14E-08	9.23E-10	9.31E-08	2.36E-09	1.25E-08	2.19E-10	1.51E-08	2.15E-09	6.55E-09	6.64E-11	8.76E-09
9428	470656.66	3820473.36	2.53E-08	9.81E-08	1.30E-09	1.25E-07	2.11E-08	7.21E-08	9.33E-10	9.41E-08	2.39E-09	1.26E-08	2.22E-10	1.52E-08	2.17E-09	6.61E-09	6.71E-11	8.85E-09
9429	470647.71	3820476.94	2.56E-08	9.91E-08	1.31E-09	1.26E-07	2.13E-08	7.28E-08	9.42E-10	9.51E-08	2.41E-09	1.28E-08	2.24E-10	1.54E-08	2.19E-09	6.68E-09	6.77E-11	8.94E-09
9430	470638.76	3820480.51	2.58E-08	1.00E-07	1.33E-09	1.27E-07	2.15E-08	7.36E-08	9.52E-10	9.60E-08	2.44E-09	1.29E-08	2.26E-10	1.56E-08	2.22E-09	6.75E-09	6.84E-11	9.03E-09
9431	470629.81	3820484.09	2.61E-08	1.01E-07	1.34E-09	1.29E-07	2.17E-08	7.43E-08	9.61E-10	9.70E-08	2.46E-09	1.30E-08	2.28E-10	1.57E-08	2.24E-09	6.81E-09	6.91E-11	9.12E-09
9432	470620.86	3820487.67	2.63E-08	1.02E-07	1.35E-09	1.30E-07	2.19E-08	7.50E-08	9.71E-10	9.79E-08	2.49E-09	1.31E-08	2.31E-10	1.59E-08	2.26E-09	6.88E-09	6.98E-11	9.21E-09
9433	470611.91	3820491.24	2.66E-08	1.03E-07	1.36E-09	1.31E-07	2.21E-08	7.57E-08	9.79E-10	9.88E-08	2.51E-09	1.33E-08	2.33E-10	1.60E-08	2.28E-09	6.94E-09	7.04E-11	9.29E-09
9434	470602.95	3820494.82	2.68E-08	1.04E-07	1.38E-09	1.32E-07	2.23E-08	7.63E-08	9.88E-10	9.96E-08	2.53E-09	1.34E-08	2.35E-10	1.61E-08	2.30E-09	7.00E-09	7.10E-11	9.37E-09
9435	470594	3820498.39	2.70E-08	1.05E-07	1.39E-09	1.33E-07	2.25E-08	7.69E-08	9.96E-10	1.00E-07	2.55E-09	1.35E-08	2.37E-10	1.63E-08	2.32E-09	7.06E-09	7.16E-11	9.45E-09
9436	470585.05	3820501.97	2.72E-08	1.06E-07	1.40E-09	1.34E-07	2.27E-08	7.75E-08	1.00E-09	1.01E-07	2.57E-09	1.36E-08	2.38E-10	1.64E-08	2.34E-09	7.11E-09	7.21E-11	9.52E-09
9437	470576.1	3820505.55	2.74E-08	1.06E-07	1.41E-09	1.35E-07	2.28E-08	7.81E-08	1.01E-09	1.02E-07	2.59E-09	1.37E-08	2.40E-10	1.65E-08	2.35E-09	7.16E-09	7.27E-11	9.59E-09
9438	470567.15	3820509.12	2.76E-08	1.07E-07	1.42E-09	1.36E-07	2.30E-08	7.86E-08	1.02E-09	1.03E-07	2.61E-09	1.38E-08	2.42E-10	1.66E-08	2.37E-09	7.21E-09	7.32E-11	9.66E-09
9439	470558.2	3820512.7	2.78E-08	1.08E-07	1.43E-09	1.37E-07	2.31E-08	7.92E-08	1.02E-09	1.03E-07	2.62E-09	1.39E-08	2.43E-10	1.67E-08	2.38E-09	7.26E-09	7.36E-11	9.72E-09
9440	470549.25	3820516.28	2.80E-08	1.08E-07	1.44E-09	1.38E-07	2.33E-08	7.97E-08	1.03E-09	1.04E-07	2.64E-09	1.40E-08	2.45E-10	1.68E-08	2.40E-09	7.31E-09	7.41E-11	9.78E-09
9441	470540.3	3820519.85	2.81E-08	1.09E-07	1.44E-09	1.39E-07	2.34E-08	8.01E-08	1.04E-09	1.05E-07	2.65E-09	1.40E-08	2.46E-10	1.69E-08	2.41E-09	7.35E-09	7.45E-11	9.84E-09
9442	470531.35	3820523.43	2.83E-08	1.10E-07	1.45E-09	1.39E-07	2.35E-08	8.05E-08	1.04E-09	1.05E-07	2.67E-09	1.41E-08	2.48E-10	1.70E-08	2.43E-09	7.39E-09	7.49E-11	9.89E-09
9443	470522.4	3820527	2.84E-08	1.10E-07	1.46E-09	1.40E-07	2.37E-08	8.09E-08	1.05E-09	1.06E-07	2.68E-09	1.42E-08	2.49E-10	1.71E-08	2.44E-09	7.42E-09	7.53E-11	9.94E-09
9444	470513.45	3820530.58	2.85E-08	1.11E-07	1.47E-09	1.41E-07	2.38E-08	8.13E-08	1.05E-09	1.06E-07	2.69E-09	1.42E-08	2.50E-10	1.72E-08	2.45E-09	7.46E-09	7.56E-11	9.98E-09
9445	470504.5	3820534.16	2.86E-08	1.11E-07	1.47E-09	1.41E-07	2.39E-08	8.16E-08	1.06E-09	1.07E-07	2.70E-09	1.43E-08	2.51E-10	1.73E-08	2.46E-09	7.49E-09	7.59E-11	1.00E-08
9446	470495.54	3820537.73	2.88E-08	1.12E-07	1.48E-09	1.42E-07	2.39E-08	8.19E-08	1.06E-09	1.07E-07	2.71E-09	1.44E-08	2.52E-10	1.73E-08	2.47E-09	7.52E-09	7.62E-11	1.01E-08
9447	470486.59	3820541.31	2.88E-08	1.12E-07	1.48E-09	1.42E-07	2.40E-08	8.22E-08	1.06E-09	1.07E-07	2.72E-09	1.44E-08	2.53E-10	1.74E-08	2.48E-09	7.54E-09	7.65E-11	1.01E-08
9448	470477.64	3820544.89	2.89E-08	1.12E-07	1.49E-09	1.43E-07	2.41E-08	8.25E-08	1.07E-09	1.08E-07	2.73E-09	1.44E-08	2.54E-10	1.74E-08	2.48E-09	7.57E-09	7.67E-11	1.01E-08
9449	470468.69	3820548.46	2.90E-08	1.13E-07	1.49E-09	1.43E-07	2.42E-08	8.27E-08	1.07E-09	1.08E-07	2.74E-09	1.45E-08	2.54E-10	1.75E-08	2.49E-09	7.59E-09	7.70E-11	1.02E-08
9450	470459.74	3820552.04	2.91E-08	1.13E-07	1.50E-09	1.44E-07	2.43E-08	8.30E-08	1.07E-09	1.08E-07	2.75E-09	1.45E-08	2.55E-10	1.75E-08	2.50E-09	7.61E-09	7.72E-11	1.02E-08
9451	470450.79	3820555.61	2.92E-08	1.13E-07	1.50E-09	1.44E-07	2.43E-08	8.32E-08	1.08E-09	1.09E-07	2.76E-09	1.46E-08	2.56E-10	1.76E-08	2.51E-09	7.63E-09	7.74E-11	1.02E-08
9452	470441.84	3820559.19	2.93E-08	1.14E-07	1.50E-09	1.44E-07	2.44E-08	8.35E-08	1.08E-09	1.09E-07	2.77E-09	1.46E-08	2.57E-10	1.76E-08	2.51E-09	7.66E-09	7.76E-11	1.02E-08
9453	470432.89	3820562.77	2.94E-08	1.14E-07	1.51E-09	1.45E-07	2.45E-08	8.37E-08	1.08E-09	1.09E-07	2.77E-09	1.47E-08	2.57E-10	1.77E-08	2.52E-09	7.68E-09	7.78E-11	1.03E-08
9454	470423.94	3820566.34	2.94E-08	1.14E-07	1.51E-09	1.45E-07	2.45E-08	8.39E-08	1.09E-09	1.09E-07	2.78E-09	1.47E-08	2.58E-10	1.77E-08	2.53E-09	7.70E-09	7.80E-11	1.03E-08
9455	470414.99	3820569.92	2.95E-08	1.14E-07	1.52E-09	1.45E-07	2.46E-08	8.41E-08	1.09E-09	1.10E-07	2.79E-09	1.47E-08	2.59E-10	1.78E-08	2.53E-09	7.71E-09	7.82E-11	1.03E-08
9456	470406.04	3820573.5	2.96E-08	1.15E-07	1.52E-09	1.46E-07	2.46E-08	8.43E-08	1.09E-09	1.10E-07	2.79E-09	1.48E-08	2.59E-10	1.78E-08	2.54E-09	7.73E-09	7.84E-11	1.03E-08
9457	470397.09	3820577.07	2.96E-08	1.15E-07	1.52E-09	1.46E-07	2.47E-08	8.45E-08	1.09E-09	1.10E-07	2.80E-09	1.48E-08	2.60E-10	1.79E-08	2.54E-09	7.75E-09	7.86E-11	1.04E-08
9458	470388.14	3820580.65	2.97E-08	1.15E-07	1.53E-09	1.46E-07	2.48E-08	8.47E-08	1.10E-09	1.11E-07	2.81E-09	1.48E-08	2.60E-10	1.79E-08	2.55E-09	7.77E-09	7.88E-11	1.04E-08
9459	470379.18	3820584.22	2.98E-08	1.16E-07	1.53E-09	1.47E-07	2.48E-08	8.49E-08	1.10E-09	1.11E-07	2.81E-09	1.49E-08	2.61E-10	1.79E-08	2.56E-09	7.79E-09	7.90E-11	1.04E-08
9460	470370.23	3820587.8	2.98E-08	1.16E-07	1.53E-09	1.47E-07	2.49E-08	8.51E-08	1.10E-09	1.11E-07	2.82E-09	1.49E-08	2.62E-10	1.80E-08	2.56E-09	7.80E-09	7.91E-11	1.04E-08
9461	470361.28	3820591.38	2.99E-08	1.16E-07	1.54E-09	1.47E-07	2.49E-08	8.52E-08	1.10E-09	1.11E-07	2.82E-09	1.49E-08	2.62E-10	1.80E-08	2.57E-09	7.82E-09	7.93E-11	1.05E-08
9462	470352.33	3820594.95	3.00E-08	1.16E-07	1.54E-09	1.48E-07	2.50E-08	8.54E-08	1.11E-09	1.11E-07	2.83E-09	1.50E-08	2.63E-10	1.81E-08	2.57E-09	7.83E-09	7.94E-11	1.05E-08
9463	470343.38	3820598.53	3.00E-08	1.16E-07	1.54E-09	1.48E-07	2.50E-08	8.56E-08	1.11E-09	1.12E-07	2.84E-09	1.50E-08	2.63E-10	1.81E-08	2.58E-09	7.85E-09	7.96E-11	1.05E-08
9464	470334.43	3820602.11	3.01E-08	1.17E-07	1.55E-09	1.48E-07	2.51E-08	8.57E-08	1.11E-09	1.12E-07	2.84E-09	1.50E-08	2.64E-10	1.81E-08	2.58E-09	7.86E-09	7.98E-11	1.05E-08
9465	470325.48	3820605.68	3.01E-08	1.17E-07	1.55E-09	1.49E-07	2.51E-08	8.59E-08	1.11E-09	1.12E-07	2.85E-09	1.51E-08	2.64E-10	1.82E-08	2.59E-09	7.88E-09	7.99E-11	1.05E-08
9466	470316.53	3820609.26	3.02E-08	1.17E-07	1.55E-09	1.49E-07	2.52E-08	8.61E-08	1.11E-09	1.12E-07	2.85E-09	1.51E-08	2.65E-10	1.82E-08	2.59E-09	7.90E-09	8.01E-11	1.06E-08
9467	470307.58	3820612.83	3.03E-08	1.18E-07	1.56E-09	1.49E-07	2.52E-08	8.63E-08	1.12E-09	1.13E-07	2.86E-09	1.51E-08	2.66E-10	1.83E-08	2.60E-09	7.92E-09	8.03E-11	1.06E-08
9468	470298.63	3820616.41	3.04E-08	1.18E-07	1.56E-09	1.50E-07	2.53E-08	8.66E-08	1.12E-09	1.13E-07	2.87E-09	1.52E-08	2.66E-10	1.83E-08	2.61E-09	7.94E-09	8.06E-11	1.06E-08
9469	470289.68	3820619.99	3.05E-08	1.18E-07	1.57E-09	1.50E-07	2.54E-08	8.68E-08	1.12E-09	1.13E-07	2.88E-09	1.52E-08	2.67E-10	1.84E-08	2.62E-09	7.97E-09	8.08E-11	1.07E-08
9470	470280.73	3820623.56	3.06E-08	1.19E-07	1.57E-09	1.51E-07	2.55E-08	8.71E-08	1.13E-09	1.14E-07	2.89E-09	1.53E-08	2.68E-10	1.84E-08	2.62E-09	7.99E-09	8.10E-11	1.07E-08
9471	470271.77	3820627.14	3.07E-08	1.19E-07	1.58E-09	1.51E-07	2.55E-08	8.74E-08	1.13E-09	1.14E-07	2.90E-09	1.53E-08	2.69E-10	1.85E-08	2.63E-09	8.02E-09	8.13E-11	1.07E-08
9472	471459.21	3819460.95	1.62E-08	6.30E-08	8.35E-10	8.01E-08	1.35E-08	4.63E-08	5.99E-10	6.04E-08	1.53E-09	8.11E-09	1.42E-10	9.79E-09	1.39E-09	4.25E-09	4.31E-11	5.68E-09
9473	471459.29	3819451.3	1.62E-08	6.28E-08	8.32E-10	7.99E-08	1.35E-08	4.62E-08	5.97E-10	6.03E-08	1.53E-09	8.09E-09	1.42E-10	9.76E-09	1.39E-09	4.23E-09	4.29E-11	5.67E-09
9474	471459.37	3819441.65	1.62E-08	6.26E-08	8.30E-10	7.96E-08	1.35E-08	4.60E-08	5.96E-10	6.01E-08	1.53E-09	8.06E-09	1.42E-10	9.73E-09	1.39E-09	4.22E-09	4.28E-11	5.65E-09
9475	471459.45	3819432	1.61E-08	6.24E-08	8.27E-10	7.94E-08	1.34E-08	4.59E-08	5.94E-10	5.99E-08	1.52E-09	8.04E-09	1.41E-10	9.70E-09	1.38E-09	4.21E-09	4.27E-11	5.63E-09
9476	471459.54	3819422.35	1.60E-08	6.22E-08	8.24E-10	7.91E-08	1.34E-08	4.57E-08	5.92E-10	5.97E-08	1.51E-09	8.01E-09	1.41E-10	9.66E-09	1.38E-09	4.19E-09	4.25E-11	5.61E-09
9477	471459.62	3819412.71	1.60E-08	6.20E-08	8.21E-10	7.88E-08	1.33E-08	4.55E-08	5.89E-10	5.94E-08	1.51E-09	7.98E-09	1.40E-10	9.63E-09	1.37E-09	4.18E-09	4.24E-11	5.59E-09
9478	471459.87	3819383.76	1.58E-08	6.11E-08	8.09E-10	7.77E-08	1.31E-08	4.49E-08	5.81E-10	5.86E-08	1.49E-09	7.86E-09	1.38E-10	9.49E-09	1.35E-09	4.12E-09	4.18E-11	5.51E-09
9479	471459.95	3819374.11	1.57E-08	6.08E-08	8.05E-10	7.72E-08	1.30E-08	4.46E-08	5.78E-10	5.83E-08	1.48E-09	7.82E-09	1.37E-10	9.44E-09	1.34E-09	4.09E-09	4.15E-11	5.48E-09
9480	471460.03	3819364.47	1.56E-08	6.04E-08	8.00E-10	7.68E-08	1.30E-08	4.44E-08	5.74E-10	5.79E-08	1.47E-09	7.78E-09	1.36E-10	9.38E-09	1.34E-09	4.07E-09	4.13E-11	5.45E-09
9481	471460.12	3819354.82	1.55E-08	6.00E-08	7.95E-10	7.63E-08	1.29E-08	4.41E-08	5.71E-10	5.76E-08	1.46E-09	7.73E-09	1.36E-10	9.32E-09	1.33E-09	4.05E-09	4.10E-11	5.41E-09
9482	471460.2	3819345.17	1.54E-08	5.96E-08	7.90E-10	7.58E-08	1.28E-08	4.38E-08	5.67E-10	5.72E-08	1.45E-09	7.67E-09	1.35E-10	9.26E-09	1.32E-09	4.02E-09	4.07E-11	5.38E-09
9483	471460.28	3819335.52	1.53E-08	5.92E-08	7.84E-10	7.52E-08	1.27E-08	4.35E-08	5.63E-10	5.68E-08	1.44E-09	7.62E-09	1.34E-10	9.19E-09	1.31E-09	3.99E-09	4.04E-11	5.34E-09
9484	471460.36	3819325.87	1.51E-08	5.87E-08	7.78E-10	7.46E-08	1.26E-08	4.31E-08	5.58E-10	5.63E-08	1.43E-09	7.56E-09	1.33E-10	9.12E-09	1.30E-09	3.96E-09	4.01E-11	5.30E-09
9485	471460.45	3819316.22	1.50E-08	5.82E-08	7.72E-10	7.40E-08	1.25E-08	4.28E-08	5.54E-10	5.59E-08	1.42E-09	7.50E-09	1.32E-10	9.05E-09	1.29E-09	3.93E-09	3.98E-11	5.25E-09
9486	471460.53	3819306.58	1.49E-08	5.77E-08	7.65E-10	7.34E-08	1.24E-08	4.24E-08	5.49E-10	5.54E-08	1.41E-09	7.43E-09	1.30E-10	8.97E-09	1.28E-09	3.89E-09	3.95E-11	5.21E-09
9487	471460.61	3819296.93	1.48E-08	5.72E-08	7.58E-10	7.27E-08	1.23E-08	4.21E-08	5.44E-10	5.49E-08	1.39E-09	7.37E-09	1.29E-10	8.89E-09	1.27E-09	3.86E-09	3.91E-11	5.16E-09
9488	471460.7	3819287.28	1.46E-08	5.67E-08	7.51E-10	7.21E-08	1.22E-08	4.17E-08	5.39E-10	5.44E-08	1.38E-09	7.30E-09	1.28E-10	8.81E-09	1.25E-09	3.82E-09	3.87E-11	5.11E-09
9489	471460.78	3819277.63	1.45E-08	5.61E-08	7.43E-10	7.13E-08	1.21E-08	4.12E-08	5.34E-10	5.38E-08	1.37E-09	7.22E-09	1.27E-10	8.72E-09	1.24E-09	3.78E-09	3.84E-11	5.06E-09
9490	471460.86	3819267.98	1.43E-08	5.55E-08	7.36E-10	7.06E-08	1.19E-08	4.08E-08	5.28E-10	5.33E-08	1.35E-09	7.15E-09	1.25E-10	8.63E-09	1.23E-09	3.74E-09	3.80E-11	5.01E-09
9491	471460.94	3819258.34	1.42E-08	5.49E-08	7.28E-10	6.98E-08	1.18E-08	4.04E-08	5.22E-10	5.27E-08	1.34E-09	7.07E-09	1.24E-10	8.53E-09	1.22E-09	3.70E-09	3.75E-11	4.96E-09
9492	471535.45	3819470.45	1.44E-08	5.59E-08	7.41E-10	7.11E-08	1.20E-08	4.11E-08	5.32E-10	5.36E-08	1.36E-09	7.20E-09	1.26E-10	8.69E-09	1.24E-09	3.77E-09	3.82E-11	5.04E-09
9493	471524.19	3819496.89	1.47E-08	5.72E-08	7.57E-10	7.27E-08	1.23E-08	4.20E-08	5.44E-10	5.48E-08	1.39E-09	7.36E-09	1.29E-10	8.88E-09	1.27E-09	3.85E-09	3.91E-11	5.16E-09
9494	471520.44	3819505.7	1.48E-08	5.76E-08	7.63E-10	7.32E-08	1.24E-08	4.23E-08	5.48E-10	5.52E-08	1.40E-09	7.41E-09	1.30E-10	8.94E-09	1.27E-09	3.88E-09	3.94E-11	5.19E-09
9495	471516.68	3819514.51	1.49E-08	5.80E-08	7.68E-10	7.37E-08	1.25E-08	4.26E-08	5.51E-10	5.56E-08	1.41E-09	7.46E-09	1.31E-10	9.01E-09	1.28E-09	3.91E-09	3.96E-11	5.23E-09
9496	471512.93	3819523.32	1.50E-08	5.84E-08	7.73E-10	7.42E-08	1.25E-08	4.29E-08	5.55E-10	5.60E-08	1.42E-09	7.51E-09	1.32E-10	9.06E-09	1.29E-09	3.93E-09	3.99E-11	5.26E-09
9497	471509.18	3819532.14	1.51E-08	5.87E-08	7.78E-10	7.47E-08	1.26E-08	4.32E-08	5.59E-10	5.63E-08	1.43E-09	7.56E-09	1.33E-10	9.13E-09	1.30E-09	3.96E-09	4.02E-11	5.30E-09
9498	471505.42	3819540.95	1.52E-08	5.91E-08	7.83E-10	7.52E-08	1.27E-08	4.34E-08	5.62E-10	5.67E-08	1.44E-09	7.61E-09	1.34E-10	9.19E-09	1.31E-09	3.99E-09	4.04E-11	5.33E-09
9499	471501.67	3819549.76	1.53E-08	5.95E-08	7.88E-10	7.56E-08	1.28E-08	4.37E-08	5.66E-10	5.71E-08	1.45E-09	7.66E-09	1.34E-10	9.24E-09	1.32E-09	4.01E-09	4.07E-11	5.37E-09
9500	471497.92	3819558.58	1.54E-08	5.99E-08	7.93E-10	7.61E-08	1.29E-08	4.40E-08	5.69E-10	5.74E-08	1.46E-09	7.71E-09	1.35E-10	9.30E-09	1.33E-09	4.04E-09	4.09E-11	5.40

9501	471494.16	3819567.39	1.55E-08	6.02E-08	7.98E-10	7.66E-08	1.29E-08	4.43E-08	5.73E-10	5.78E-08	1.47E-09	7.76E-09	1.36E-10	9.36E-09	1.33E-09	4.06E-09	4.12E-11	5.44E-09
9502	471490.41	3819576.2	1.56E-08	6.06E-08	8.03E-10	7.70E-08	1.30E-08	4.45E-08	5.76E-10	5.81E-08	1.48E-09	7.80E-09	1.37E-10	9.42E-09	1.34E-09	4.09E-09	4.14E-11	5.47E-09
9503	471486.66	3819585.02	1.57E-08	6.10E-08	8.08E-10	7.75E-08	1.31E-08	4.48E-08	5.80E-10	5.85E-08	1.48E-09	7.85E-09	1.38E-10	9.47E-09	1.35E-09	4.11E-09	4.17E-11	5.50E-09
9504	471482.91	3819593.83	1.58E-08	6.13E-08	8.12E-10	7.79E-08	1.32E-08	4.51E-08	5.83E-10	5.88E-08	1.49E-09	7.89E-09	1.39E-10	9.52E-09	1.36E-09	4.13E-09	4.19E-11	5.53E-09
9505	471479.15	3819602.64	1.59E-08	6.17E-08	8.17E-10	7.84E-08	1.32E-08	4.53E-08	5.86E-10	5.91E-08	1.50E-09	7.94E-09	1.39E-10	9.58E-09	1.36E-09	4.16E-09	4.22E-11	5.56E-09
9506	471475.4	3819611.45	1.60E-08	6.20E-08	8.21E-10	7.88E-08	1.33E-08	4.56E-08	5.90E-10	5.95E-08	1.51E-09	7.98E-09	1.40E-10	9.63E-09	1.37E-09	4.18E-09	4.24E-11	5.59E-09
9507	471471.65	3819620.27	1.61E-08	6.23E-08	8.26E-10	7.92E-08	1.34E-08	4.58E-08	5.93E-10	5.98E-08	1.52E-09	8.03E-09	1.41E-10	9.68E-09	1.38E-09	4.20E-09	4.26E-11	5.62E-09
9508	471467.89	3819629.08	1.62E-08	6.27E-08	8.30E-10	7.97E-08	1.35E-08	4.61E-08	5.96E-10	6.01E-08	1.53E-09	8.07E-09	1.42E-10	9.74E-09	1.39E-09	4.23E-09	4.28E-11	5.66E-09
9509	471464.14	3819637.89	1.62E-08	6.30E-08	8.35E-10	8.01E-08	1.35E-08	4.63E-08	5.99E-10	6.04E-08	1.53E-09	8.11E-09	1.42E-10	9.79E-09	1.39E-09	4.25E-09	4.31E-11	5.69E-09
9510	471460.39	3819646.71	1.63E-08	6.33E-08	8.39E-10	8.05E-08	1.36E-08	4.65E-08	6.02E-10	6.08E-08	1.54E-09	8.15E-09	1.43E-10	9.84E-09	1.40E-09	4.27E-09	4.33E-11	5.72E-09
9511	471456.63	3819655.52	1.64E-08	6.37E-08	8.44E-10	8.09E-08	1.37E-08	4.68E-08	6.05E-10	6.11E-08	1.55E-09	8.20E-09	1.44E-10	9.89E-09	1.41E-09	4.29E-09	4.35E-11	5.74E-09
9512	471441.62	3819690.77	1.67E-08	6.49E-08	8.60E-10	8.25E-08	1.39E-08	4.77E-08	6.17E-10	6.22E-08	1.58E-09	8.35E-09	1.47E-10	1.01E-08	1.44E-09	4.37E-09	4.44E-11	5.86E-09
9513	471437.87	3819699.59	1.68E-08	6.52E-08	8.63E-10	8.28E-08	1.40E-08	4.79E-08	6.20E-10	6.25E-08	1.59E-09	8.39E-09	1.47E-10	1.01E-08	1.44E-09	4.39E-09	4.46E-11	5.88E-09
9514	471434.11	3819708.4	1.69E-08	6.55E-08	8.67E-10	8.32E-08	1.41E-08	4.81E-08	6.23E-10	6.28E-08	1.59E-09	8.43E-09	1.48E-10	1.02E-08	1.45E-09	4.41E-09	4.48E-11	5.91E-09
9515	471430.36	3819717.21	1.70E-08	6.57E-08	8.71E-10	8.36E-08	1.41E-08	4.83E-08	6.25E-10	6.31E-08	1.60E-09	8.46E-09	1.49E-10	1.02E-08	1.46E-09	4.43E-09	4.49E-11	5.93E-09
9516	471426.61	3819726.02	1.70E-08	6.60E-08	8.75E-10	8.39E-08	1.42E-08	4.85E-08	6.28E-10	6.33E-08	1.61E-09	8.50E-09	1.49E-10	1.03E-08	1.46E-09	4.45E-09	4.51E-11	5.96E-09
9517	471422.85	3819734.84	1.71E-08	6.63E-08	8.78E-10	8.42E-08	1.42E-08	4.87E-08	6.30E-10	6.36E-08	1.61E-09	8.53E-09	1.50E-10	1.03E-08	1.47E-09	4.47E-09	4.53E-11	5.98E-09
9518	471419.1	3819743.65	1.72E-08	6.65E-08	8.81E-10	8.46E-08	1.43E-08	4.89E-08	6.33E-10	6.38E-08	1.62E-09	8.56E-09	1.50E-10	1.03E-08	1.47E-09	4.48E-09	4.55E-11	6.00E-09
9519	471415.35	3819752.46	1.72E-08	6.67E-08	8.84E-10	8.48E-08	1.43E-08	4.90E-08	6.35E-10	6.40E-08	1.63E-09	8.59E-09	1.51E-10	1.04E-08	1.48E-09	4.50E-09	4.56E-11	6.02E-09
9520	471411.59	3819761.28	1.73E-08	6.70E-08	8.87E-10	8.51E-08	1.44E-08	4.92E-08	6.37E-10	6.42E-08	1.63E-09	8.62E-09	1.51E-10	1.04E-08	1.48E-09	4.51E-09	4.58E-11	6.04E-09
9521	471407.84	3819770.09	1.73E-08	6.72E-08	8.90E-10	8.54E-08	1.44E-08	4.94E-08	6.39E-10	6.44E-08	1.64E-09	8.65E-09	1.52E-10	1.04E-08	1.49E-09	4.53E-09	4.59E-11	6.06E-09
9522	471404.09	3819778.9	1.74E-08	6.74E-08	8.93E-10	8.56E-08	1.45E-08	4.95E-08	6.41E-10	6.46E-08	1.64E-09	8.67E-09	1.52E-10	1.05E-08	1.49E-09	4.54E-09	4.61E-11	6.08E-09
9523	471400.33	3819787.72	1.74E-08	6.76E-08	8.95E-10	8.59E-08	1.45E-08	4.96E-08	6.42E-10	6.48E-08	1.64E-09	8.70E-09	1.53E-10	1.05E-08	1.50E-09	4.55E-09	4.62E-11	6.10E-09
9524	471396.58	3819796.53	1.75E-08	6.77E-08	8.97E-10	8.61E-08	1.45E-08	4.98E-08	6.44E-10	6.50E-08	1.65E-09	8.72E-09	1.53E-10	1.05E-08	1.50E-09	4.57E-09	4.63E-11	6.11E-09
9525	471392.83	3819805.34	1.75E-08	6.79E-08	8.99E-10	8.63E-08	1.46E-08	4.99E-08	6.46E-10	6.51E-08	1.65E-09	8.74E-09	1.53E-10	1.05E-08	1.50E-09	4.58E-09	4.64E-11	6.12E-09
9526	471389.07	3819814.15	1.75E-08	6.80E-08	9.01E-10	8.65E-08	1.46E-08	5.00E-08	6.47E-10	6.52E-08	1.66E-09	8.76E-09	1.54E-10	1.06E-08	1.51E-09	4.59E-09	4.65E-11	6.14E-09
9527	471385.32	3819822.97	1.76E-08	6.82E-08	9.03E-10	8.66E-08	1.46E-08	5.01E-08	6.48E-10	6.54E-08	1.66E-09	8.77E-09	1.54E-10	1.06E-08	1.51E-09	4.59E-09	4.66E-11	6.15E-09
9528	471381.57	3819831.78	1.76E-08	6.83E-08	9.04E-10	8.68E-08	1.47E-08	5.02E-08	6.49E-10	6.55E-08	1.66E-09	8.79E-09	1.54E-10	1.06E-08	1.51E-09	4.60E-09	4.67E-11	6.16E-09
9529	471377.81	3819840.59	1.76E-08	6.84E-08	9.06E-10	8.69E-08	1.47E-08	5.02E-08	6.50E-10	6.56E-08	1.66E-09	8.80E-09	1.54E-10	1.06E-08	1.51E-09	4.61E-09	4.67E-11	6.17E-09
9530	471374.06	3819849.41	1.76E-08	6.84E-08	9.06E-10	8.70E-08	1.47E-08	5.03E-08	6.51E-10	6.56E-08	1.67E-09	8.81E-09	1.55E-10	1.06E-08	1.51E-09	4.61E-09	4.68E-11	6.17E-09
9531	471370.31	3819858.22	1.77E-08	6.85E-08	9.07E-10	8.71E-08	1.47E-08	5.03E-08	6.51E-10	6.57E-08	1.67E-09	8.82E-09	1.55E-10	1.06E-08	1.52E-09	4.62E-09	4.68E-11	6.18E-09
9532	471366.56	3819867.03	1.77E-08	6.85E-08	9.08E-10	8.71E-08	1.47E-08	5.04E-08	6.52E-10	6.57E-08	1.67E-09	8.82E-09	1.55E-10	1.06E-08	1.52E-09	4.62E-09	4.68E-11	6.18E-09
9533	471362.8	3819875.85	1.77E-08	6.86E-08	9.08E-10	8.72E-08	1.47E-08	5.04E-08	6.52E-10	6.58E-08	1.67E-09	8.83E-09	1.55E-10	1.07E-08	1.52E-09	4.62E-09	4.69E-11	6.19E-09
9534	471359.05	3819884.66	1.77E-08	6.86E-08	9.09E-10	8.72E-08	1.47E-08	5.04E-08	6.52E-10	6.58E-08	1.67E-09	8.83E-09	1.55E-10	1.07E-08	1.52E-09	4.62E-09	4.69E-11	6.19E-09
9535	471355.3	3819893.47	1.77E-08	6.86E-08	9.09E-10	8.72E-08	1.47E-08	5.04E-08	6.52E-10	6.58E-08	1.67E-09	8.83E-09	1.55E-10	1.07E-08	1.52E-09	4.62E-09	4.69E-11	6.19E-09
9536	471351.54	3819902.28	1.77E-08	6.86E-08	9.09E-10	8.72E-08	1.47E-08	5.04E-08	6.52E-10	6.58E-08	1.67E-09	8.83E-09	1.55E-10	1.07E-08	1.52E-09	4.62E-09	4.69E-11	6.19E-09
9537	471347.79	3819911.1	1.77E-08	6.86E-08	9.08E-10	8.71E-08	1.47E-08	5.04E-08	6.52E-10	6.57E-08	1.67E-09	8.82E-09	1.55E-10	1.06E-08	1.52E-09	4.62E-09	4.69E-11	6.18E-09
9538	471344.04	3819919.91	1.77E-08	6.85E-08	9.08E-10	8.71E-08	1.47E-08	5.04E-08	6.52E-10	6.57E-08	1.67E-09	8.82E-09	1.55E-10	1.06E-08	1.52E-09	4.62E-09	4.68E-11	6.18E-09
9539	471340.28	3819928.72	1.77E-08	6.85E-08	9.07E-10	8.70E-08	1.47E-08	5.03E-08	6.51E-10	6.57E-08	1.67E-09	8.81E-09	1.55E-10	1.06E-08	1.52E-09	4.61E-09	4.68E-11	6.18E-09
9540	471336.53	3819937.54	1.76E-08	6.84E-08	9.06E-10	8.70E-08	1.47E-08	5.03E-08	6.51E-10	6.56E-08	1.67E-09	8.81E-09	1.55E-10	1.06E-08	1.51E-09	4.61E-09	4.68E-11	6.17E-09
9541	471332.78	3819946.35	1.76E-08	6.83E-08	9.05E-10	8.69E-08	1.47E-08	5.02E-08	6.50E-10	6.55E-08	1.66E-09	8.80E-09	1.54E-10	1.06E-08	1.51E-09	4.61E-09	4.67E-11	6.17E-09
9542	471329.02	3819955.16	1.76E-08	6.83E-08	9.04E-10	8.68E-08	1.47E-08	5.02E-08	6.49E-10	6.55E-08	1.66E-09	8.79E-09	1.54E-10	1.06E-08	1.51E-09	4.60E-09	4.67E-11	6.16E-09
9543	471325.27	3819963.98	1.76E-08	6.82E-08	9.03E-10	8.66E-08	1.46E-08	5.01E-08	6.48E-10	6.54E-08	1.66E-09	8.78E-09	1.54E-10	1.06E-08	1.51E-09	4.59E-09	4.66E-11	6.15E-09
9544	471321.52	3819972.79	1.76E-08	6.81E-08	9.02E-10	8.65E-08	1.46E-08	5.00E-08	6.47E-10	6.53E-08	1.66E-09	8.76E-09	1.54E-10	1.06E-08	1.51E-09	4.59E-09	4.65E-11	6.14E-09
9545	471317.76	3819981.6	1.75E-08	6.80E-08	9.01E-10	8.64E-08	1.46E-08	5.00E-08	6.46E-10	6.52E-08	1.66E-09	8.75E-09	1.54E-10	1.06E-08	1.50E-09	4.58E-09	4.65E-11	6.13E-09
9546	471314.01	3819990.41	1.75E-08	6.79E-08	8.99E-10	8.63E-08	1.46E-08	4.99E-08	6.45E-10	6.51E-08	1.65E-09	8.74E-09	1.53E-10	1.05E-08	1.50E-09	4.57E-09	4.64E-11	6.12E-09
9547	471310.26	3819999.23	1.75E-08	6.78E-08	8.98E-10	8.61E-08	1.46E-08	4.98E-08	6.44E-10	6.50E-08	1.65E-09	8.72E-09	1.53E-10	1.05E-08	1.50E-09	4.57E-09	4.63E-11	6.11E-09
9548	471306.5	3820008.04	1.74E-08	6.76E-08	8.96E-10	8.60E-08	1.45E-08	4.97E-08	6.43E-10	6.49E-08	1.65E-09	8.71E-09	1.53E-10	1.05E-08	1.50E-09	4.56E-09	4.62E-11	6.10E-09
9549	471302.75	3820016.85	1.74E-08	6.75E-08	8.95E-10	8.58E-08	1.45E-08	4.96E-08	6.42E-10	6.48E-08	1.64E-09	8.69E-09	1.53E-10	1.05E-08	1.49E-09	4.55E-09	4.62E-11	6.09E-09
9550	471299	3820025.67	1.74E-08	6.74E-08	8.93E-10	8.57E-08	1.45E-08	4.95E-08	6.41E-10	6.46E-08	1.64E-09	8.68E-09	1.52E-10	1.05E-08	1.49E-09	4.54E-09	4.61E-11	6.08E-09
9551	471295.24	3820034.48	1.73E-08	6.73E-08	8.91E-10	8.55E-08	1.44E-08	4.94E-08	6.40E-10	6.45E-08	1.64E-09	8.66E-09	1.52E-10	1.05E-08	1.49E-09	4.53E-09	4.60E-11	6.07E-09
9552	471291.49	3820043.29	1.73E-08	6.72E-08	8.90E-10	8.54E-08	1.44E-08	4.93E-08	6.39E-10	6.44E-08	1.64E-09	8.64E-09	1.52E-10	1.04E-08	1.49E-09	4.53E-09	4.59E-11	6.06E-09
9553	471287.74	3820052.11	1.73E-08	6.70E-08	8.88E-10	8.52E-08	1.44E-08	4.92E-08	6.37E-10	6.43E-08	1.63E-09	8.63E-09	1.51E-10	1.04E-08	1.48E-09	4.52E-09	4.58E-11	6.05E-09
9554	471283.98	3820060.92	1.72E-08	6.69E-08	8.86E-10	8.50E-08	1.44E-08	4.91E-08	6.36E-10	6.41E-08	1.63E-09	8.61E-09	1.51E-10	1.04E-08	1.48E-09	4.51E-09	4.57E-11	6.03E-09
9555	471280.23	3820069.73	1.72E-08	6.67E-08	8.84E-10	8.48E-08	1.43E-08	4.90E-08	6.35E-10	6.40E-08	1.63E-09	8.59E-09	1.51E-10	1.04E-08	1.48E-09	4.50E-09	4.56E-11	6.02E-09
9556	471276.48	3820078.55	1.72E-08	6.66E-08	8.83E-10	8.47E-08	1.43E-08	4.90E-08	6.33E-10	6.39E-08	1.62E-09	8.58E-09	1.51E-10	1.03E-08	1.47E-09	4.49E-09	4.55E-11	6.01E-09
9557	471272.72	3820087.36	1.71E-08	6.65E-08	8.81E-10	8.45E-08	1.43E-08	4.89E-08	6.32E-10	6.38E-08	1.62E-09	8.56E-09	1.50E-10	1.03E-08	1.47E-09	4.48E-09	4.54E-11	6.00E-09
9558	471268.97	3820096.17	1.71E-08	6.64E-08	8.79E-10	8.44E-08	1.43E-08	4.88E-08	6.31E-10	6.36E-08	1.62E-09	8.54E-09	1.50E-10	1.03E-08	1.47E-09	4.47E-09	4.54E-11	5.99E-09
9559	471265.22	3820104.98	1.71E-08	6.62E-08	8.78E-10	8.42E-08	1.42E-08	4.87E-08	6.30E-10	6.35E-08	1.61E-09	8.53E-09	1.50E-10	1.03E-08	1.47E-09	4.46E-09	4.53E-11	5.98E-09
9560	471261.46	3820113.8	1.70E-08	6.61E-08	8.76E-10	8.40E-08	1.42E-08	4.86E-08	6.29E-10	6.34E-08	1.61E-09	8.51E-09	1.49E-10	1.03E-08	1.46E-09	4.46E-09	4.52E-11	5.96E-09
9561	471257.71	3820122.61	1.70E-08	6.60E-08	8.74E-10	8.39E-08	1.42E-08	4.85E-08	6.27E-10	6.33E-08	1.61E-09	8.49E-09	1.49E-10	1.02E-08	1.46E-09	4.45E-09	4.51E-11	5.95E-09
9562	471253.96	3820131.42	1.70E-08	6.59E-08	8.72E-10	8.37E-08	1.41E-08	4.84E-08	6.26E-10	6.32E-08	1.60E-09	8.48E-09	1.49E-10	1.02E-08	1.46E-09	4.44E-09	4.50E-11	5.94E-09
9563	471250.2	3820140.24	1.69E-08	6.57E-08	8.71E-10	8.35E-08	1.41E-08	4.83E-08	6.25E-10	6.30E-08	1.60E-09	8.46E-09	1.49E-10	1.02E-08	1.45E-09	4.43E-09	4.49E-11	5.93E-09
9564	471246.45	3820149.05	1.69E-08	6.56E-08	8.69E-10	8.34E-08	1.41E-08	4.82E-08	6.24E-10	6.29E-08	1.60E-09	8.45E-09	1.48E-10	1.02E-08	1.45E-09	4.42E-09	4.48E-11	5.92E-09
9565	471242.7	3820157.86	1.69E-08	6.55E-08	8.67E-10	8.32E-08	1.41E-08	4.81E-08	6.22E-10	6.28E-08	1.59E-09	8.43E-09	1.48E-10	1.02E-08	1.45E-09	4.41E-09	4.47E-11	5.91E-09
9566	471238.95	3820166.68	1.68E-08	6.53E-08	8.65E-10	8.30E-08	1.40E-08	4.80E-08	6.21E-10	6.26E-08	1.59E-09	8.41E-09	1.48E-10	1.01E-08	1.45E-09	4.40E-09	4.46E-11	5.89E-09
9567	471235.19	3820175.49	1.68E-08	6.52E-08	8.63E-10	8.28E-08	1.40E-08	4.79E-08	6.20E-10	6.25E-08	1.59E-09	8.39E-09	1.47E-10	1.01E-08	1.44E-09	4.39E-09	4.45E-11	5.88E-09
9568	471231.44	3820184.3	1.68E-08	6.50E-08	8.61E-10	8.27E-08	1.40E-08	4.78E-08	6.18E-10	6.24E-08	1.58E-09	8.37E-09	1.47E-10	1.01E-08	1.44E-09	4.38E-09	4.44E-11	5.87E-09
9569	471227.69	3820193.11	1.67E-08	6.49E-08	8.60E-10	8.25E-08	1.39E-08	4.77E-08	6.17E-10	6.22E-08	1.58E-09	8.35E-09	1.47E-10	1.01E-08	1.44E-09	4.37E-09	4.43E-11	5.85E-09
9570	471223.93	3820201.93	1.67E-08	6.47E-08	8.58E-10	8.23E-08	1.39E-08	4.76E-08	6.16E-10	6.21E-08	1.58E-09	8.33E-09	1.46E-10	1.01E-08	1.43E-09	4.36E-09	4.42E-11	5.84E-09
9571	471220.18	3820210.74	1.67E-08	6.46E-08	8.56E-10	8.21E-08	1.39E-08	4.75E-08	6.14E-10	6.19E-08	1.57E-09	8.31E-09	1.46E-10	1.00E-08	1.43E-09	4.35E-09	4.41E-11	5.83E-09
9572	471216.43	3820219.55	1.66E-08	6.44E-08	8.54E-10	8.19E-08	1.38E-08	4.73E-08	6.13E-10	6.18E-08	1.57E-09	8.29E-09	1.46E-10	1.00E-08	1.43E-09	4.34E-09	4.40E-11	5.81E-09
9573	471212.67	3820228.37	1.66E-08	6.43E-08	8.52E-10	8.17E-08	1.38E-08	4.72E-08	6.11E-10	6.16E-08	1.57E-09	8.27E-09	1.45E-10	9.98E-09	1.42E-09	4.33E-09	4.39E-11	5.80E-09
9574	471208.92	3820237.18	1.65E-08	6.41E-08	8.49E-10	8.15E-08	1.38E-08	4.71E-08	6.10E-10	6.15E-08	1.56E-09	8.25E-09	1.45E-10	9.96E-09	1.42E-09	4.32E-09	4.38E-11	5.78E-09
9575	471205.17	3820245.99	1.65E-08	6.40E-08	8.47E-10	8.13E-08	1.37E-08	4.70E-08	6.08E-10	6.13E-08	1.56E-09	8.23E-09	1.44E-10	9.93E-09	1.42E-09	4.31E-09	4.37E-11	5.77E-09
9576	471201.41	3820254.81	1.64E-08	6.38E-08	8.45E-10	8.11E-08	1.37E-08	4.69E-08	6.06E-10	6.12E-08	1.55E-09	8.21E-09	1.44E-10	9.91E-09	1.41E-09	4.30E-09	4.36E-11	5.75E-09
9577	471197.66	3820263.62	1.64E-08	6.36E-08	8.42E-10	8.08E-08	1.37E-08	4.67E-08	6.05E-10	6.10E-08	1.55E-09	8.19E-09	1.44E-10	9.88E-09	1.41E-09	4.29E-09	4.35E-11	5.74E-09
9578	471193.91	3820272.43	1.63E-08	6.34E-08	8.40E-10	8.06E-08	1.36E-08	4.66E-08	6.03E-10	6.08E-08	1.54E-09	8.16E-09	1.43E-10	9.85E-09	1.40E-09	4.27E-09	4.33E-11	5.72E-09
9579	471190.15	3820281.24	1.63E-08	6.32E-08	8.37E-10	8.03E-08	1.36E-08	4.64E-08	6.01E-10	6.06E-08	1.54E-09	8.14E-09	1.43E-10	9.82E-09	1.40E-09	4.26E-09	4.32E-11	5.70E-09
9580	471186.4	3820290.06	1.62E-08	6.30E-08	8.35E-10	8.01E-08	1.35E-08	4.63E-08	5.99E-10	6.04E-08	1.53E-09	8.11E-09	1.42E-10	9.79E-09	1.39E-09	4.25E-09	4.31E-11	5.68E-09
9581	471182.65	3820298.87	1.62E-08	6.28E-08	8.32E-10	7.98E-08	1.35E-08	4.62E-08	5.97E-10	6.02E-08	1.53E-09	8.09E-09	1.42E-10	9.76E-09	1.39E-09	4.23E-09	4.29E-11	5.67E-09
9582	471178.89	3820307.68	1.61E-08	6.26E-08	8.29E-10	7.96E-08	1.34E-08	4.60E-08	5.95E-10	6.00E-08	1.52E-09	8.06E-09	1.41E-10	9.72E-09	1.39E-09	4.22E-09	4.28E-11	5.65E-09
9583	471175.14	3820316.5	1.61E-08	6.23E-08	8.26E-10	7.92E-08	1.34E-08	4.58E-08	5.93E-10	5.98E-08	1.52E-09	8.03E-09	1.41E-10	9.68E-09	1.38E-09	4.20E-09	4.26E-11	5.62E-09
9584	471171.39	3820325.31	1.60E-08	6.21E-08	8.23E-10	7.89E-08	1.33E-08	4.56E-08	5.91E-10	5.96E-08	1.51E-09	7.99E-09	1.40E-10	9.65E-09	1.37E-09	4.19E-09	4.25E-11	5.60E-09
9585	471167.63	3820334.12	1.59E-08	6.19E-08	8.19E-10	7.86E-08	1.33E-08	4.54E-08	5.88E-10	5.93E-08	1.51E-09	7.96E-09	1.40E-10	9.61E-09	1.37E-09	4.17E-09	4.23E-11	5.58E-09
9586	471163.88	3820342.94	1.59E-08	6.16E-08	8.16E-10	7.83E-08	1.32E-08	4.53E-08	5.86E-10	5.91E-08	1.50E-09	7.93E-09	1.39E-10	9.57E-09	1.36E-09	4.15E-09	4.21E-11	5.56E-09
9587	471151.23	3820355.3	1.59E-08	6.17E-08	8.17E-10	7.84E-08	1.33E-08	4.53E-08	5.87E-10	5.92E-08	1.50E-09	7.94E-09	1.39E-10	9.58E-09	1.37E-09	4.16E-09	4.22E-11	5.57E-09
9588	471142.34	3820358.86	1.60E-08	6.20E-08	8.22E-10	7.89E-08	1.33E-08	4.56E-08	5.90E-10	5.95E-08	1.51E-09	7.99E-09	1.40E-10	9.64E-09	1.37E-09	4.18E-09	4.24E-11	5.60E-09
9589	471133.44	3820362.41	1.61E-08	6.24E-08	8.26E-10	7.93E-08	1.34E-08	4.58E-08	5.93E-10	5.98E-08	1.52E-09	8.03E-09	1.41E-10	9.69E-09	1.38E-09	4.20E-09	4.26E-11	5.63E-09
9590	471124.55	3820365.97	1.62E-08	6.27E-08	8.31E-10	7.97E-08	1.35E-08	4.61E-08	5.96E-10	6.01E-08	1.53E-09	8.07E-09	1.42E-10	9.74E-09	1.39E-09	4.23E-09	4.29E-11	5.66E-09
9591	471115.65	3820369.52	1.63E-08	6.30E-08	8.35E-10	8.01E-08	1.35E-08	4.63E-08	5.99E-10	6.05E-08	1.53E-09	8.11E-09	1.42E-10	9.79E-09	1.40E-09	4.25E-09	4.31E-11	5.69E-09
9592	471106.76	3820373.07	1.63E-08	6.33E-08	8.39E-10	8.05E-08	1.36E-08	4.65E-08	6.02E-10	6.08E-08	1.54E-09	8.15E-09	1.43E-10	9.84E-09	1.40E-09	4.27E-09	4.33E-11	5.72E-09
9593	471097.86	3820376.63	1.64E-08	6.37E-08	8.43E-10	8.09E-08	1.37E-08	4.68E-08	6.05E-10	6.11E-08	1.55E-09	8.19E-09	1.44E-10	9.89E-09	1.41E-09	4.29E-09	4.35E-11	5.74E-09
9594	471088.97	3820380.18	1.65E-08	6.40E-08	8.47E-10	8.13E-08	1.37E-08	4.70E-08	6.08E-10	6.13E-08	1.56E-09	8.23E-09	1.45E-10	9.94E-09	1.42E-09	4.31E-09	4.37E-11	5.77E-09
9595	471080.07	3820383.74	1.66E-08	6.43E-08	8.51E-10	8.17E-08	1.38E-08	4.72E-08	6.11E-10	6.16E-08	1.56E-09	8.27E-09	1.45E-10	9.98E-09	1.42E-09	4.33E-09	4.39E-11	5.80E-09
9596	471071.18	3820387.29	1.66E-08	6.46E-08	8.55E-10	8.21E-08	1.39E-08	4.74E-08	6.14E-10	6.19E-08	1.57E-09	8.31E-09	1.46E-10	1.00E-08	1.43E-09	4.35E-09	4.41E-11	5.

9597	471062.28	3820390.84	1.67E-08	6.49E-08	8.59E-10	8.24E-08	1.39E-08	4.77E-08	6.17E-10	6.22E-08	1.58E-09	8.35E-09	1.47E-10	1.01E-08	1.44E-09	4.37E-09	4.43E-11	5.85E-09
9598	471053.38	3820394.4	1.68E-08	6.52E-08	8.63E-10	8.28E-08	1.40E-08	4.79E-08	6.20E-10	6.25E-08	1.59E-09	8.39E-09	1.47E-10	1.01E-08	1.44E-09	4.39E-09	4.45E-11	5.88E-09
9599	471044.49	3820397.95	1.69E-08	6.54E-08	8.67E-10	8.32E-08	1.41E-08	4.81E-08	6.22E-10	6.28E-08	1.59E-09	8.43E-09	1.48E-10	1.02E-08	1.45E-09	4.41E-09	4.47E-11	5.90E-09
9600	471035.59	3820401.51	1.70E-08	6.57E-08	8.71E-10	8.36E-08	1.41E-08	4.83E-08	6.25E-10	6.31E-08	1.60E-09	8.46E-09	1.49E-10	1.02E-08	1.46E-09	4.43E-09	4.49E-11	5.93E-09
9601	471026.7	3820405.06	1.70E-08	6.60E-08	8.75E-10	8.39E-08	1.42E-08	4.85E-08	6.28E-10	6.33E-08	1.61E-09	8.50E-09	1.49E-10	1.03E-08	1.46E-09	4.45E-09	4.51E-11	5.96E-09
9602	471017.8	3820408.61	1.71E-08	6.63E-08	8.79E-10	8.43E-08	1.42E-08	4.87E-08	6.31E-10	6.36E-08	1.61E-09	8.54E-09	1.50E-10	1.03E-08	1.47E-09	4.47E-09	4.53E-11	5.98E-09
9603	471008.91	3820412.17	1.72E-08	6.66E-08	8.83E-10	8.47E-08	1.43E-08	4.90E-08	6.33E-10	6.39E-08	1.62E-09	8.58E-09	1.51E-10	1.03E-08	1.47E-09	4.49E-09	4.55E-11	6.01E-09
9604	471000.01	3820415.72	1.73E-08	6.69E-08	8.86E-10	8.51E-08	1.44E-08	4.92E-08	6.36E-10	6.42E-08	1.63E-09	8.61E-09	1.51E-10	1.04E-08	1.48E-09	4.51E-09	4.57E-11	6.04E-09
9605	470991.12	3820419.28	1.73E-08	6.72E-08	8.91E-10	8.54E-08	1.44E-08	4.94E-08	6.39E-10	6.45E-08	1.64E-09	8.65E-09	1.52E-10	1.04E-08	1.49E-09	4.53E-09	4.59E-11	6.07E-09
9606	470964.43	3820429.94	1.76E-08	6.82E-08	9.03E-10	8.67E-08	1.46E-08	5.01E-08	6.48E-10	6.54E-08	1.66E-09	8.78E-09	1.54E-10	1.06E-08	1.51E-09	4.60E-09	4.66E-11	6.15E-09
9607	470955.54	3820433.49	1.77E-08	6.85E-08	9.08E-10	8.71E-08	1.47E-08	5.04E-08	6.52E-10	6.57E-08	1.67E-09	8.82E-09	1.55E-10	1.06E-08	1.52E-09	4.62E-09	4.68E-11	6.18E-09
9608	470946.64	3820437.05	1.78E-08	6.89E-08	9.12E-10	8.75E-08	1.48E-08	5.06E-08	6.55E-10	6.61E-08	1.68E-09	8.87E-09	1.56E-10	1.07E-08	1.52E-09	4.64E-09	4.71E-11	6.21E-09
9609	470937.75	3820440.6	1.78E-08	6.92E-08	9.17E-10	8.80E-08	1.49E-08	5.09E-08	6.58E-10	6.64E-08	1.69E-09	8.91E-09	1.56E-10	1.08E-08	1.53E-09	4.67E-09	4.73E-11	6.25E-09
9610	470928.85	3820444.15	1.79E-08	6.96E-08	9.22E-10	8.85E-08	1.49E-08	5.11E-08	6.62E-10	6.67E-08	1.69E-09	8.96E-09	1.57E-10	1.08E-08	1.54E-09	4.69E-09	4.76E-11	6.28E-09
9611	470919.96	3820447.71	1.80E-08	7.00E-08	9.27E-10	8.89E-08	1.50E-08	5.14E-08	6.65E-10	6.71E-08	1.70E-09	9.01E-09	1.58E-10	1.09E-08	1.55E-09	4.72E-09	4.78E-11	6.31E-09
9612	470911.06	3820451.26	1.81E-08	7.04E-08	9.32E-10	8.94E-08	1.51E-08	5.17E-08	6.69E-10	6.75E-08	1.71E-09	9.06E-09	1.59E-10	1.09E-08	1.56E-09	4.74E-09	4.81E-11	6.35E-09
9613	470902.17	3820454.82	1.83E-08	7.08E-08	9.38E-10	9.00E-08	1.52E-08	5.20E-08	6.73E-10	6.79E-08	1.72E-09	9.11E-09	1.60E-10	1.10E-08	1.57E-09	4.77E-09	4.84E-11	6.39E-09
9614	470893.27	3820458.37	1.84E-08	7.12E-08	9.44E-10	9.06E-08	1.53E-08	5.24E-08	6.77E-10	6.83E-08	1.73E-09	9.17E-09	1.61E-10	1.11E-08	1.58E-09	4.80E-09	4.87E-11	6.43E-09
9615	470822.11	3820486.8	1.95E-08	7.56E-08	1.00E-09	9.61E-08	1.62E-08	5.56E-08	7.19E-10	7.25E-08	1.84E-09	9.74E-09	1.71E-10	1.18E-08	1.67E-09	5.10E-09	5.17E-11	6.82E-09
9616	470813.21	3820490.36	1.97E-08	7.63E-08	1.01E-09	9.70E-08	1.64E-08	5.61E-08	7.26E-10	7.32E-08	1.86E-09	9.82E-09	1.72E-10	1.19E-08	1.69E-09	5.14E-09	5.22E-11	6.88E-09
9617	470804.32	3820493.91	1.99E-08	7.70E-08	1.02E-09	9.79E-08	1.65E-08	5.66E-08	7.32E-10	7.39E-08	1.88E-09	9.91E-09	1.74E-10	1.20E-08	1.70E-09	5.19E-09	5.26E-11	6.95E-09
9618	470795.42	3820497.46	2.00E-08	7.77E-08	1.03E-09	9.88E-08	1.67E-08	5.71E-08	7.39E-10	7.45E-08	1.89E-09	1.00E-08	1.76E-10	1.21E-08	1.72E-09	5.24E-09	5.31E-11	7.01E-09
9619	470786.53	3820501.02	2.02E-08	7.84E-08	1.04E-09	9.97E-08	1.68E-08	5.76E-08	7.46E-10	7.52E-08	1.91E-09	1.01E-08	1.77E-10	1.22E-08	1.74E-09	5.29E-09	5.36E-11	7.08E-09
9620	470777.63	3820504.57	2.04E-08	7.92E-08	1.05E-09	1.01E-07	1.70E-08	5.82E-08	7.53E-10	7.59E-08	1.93E-09	1.02E-08	1.79E-10	1.23E-08	1.75E-09	5.34E-09	5.41E-11	7.14E-09
9621	470768.74	3820508.13	2.06E-08	7.99E-08	1.06E-09	1.02E-07	1.72E-08	5.87E-08	7.60E-10	7.66E-08	1.95E-09	1.03E-08	1.81E-10	1.24E-08	1.77E-09	5.39E-09	5.46E-11	7.21E-09
9622	470759.84	3820511.68	2.08E-08	8.07E-08	1.07E-09	1.03E-07	1.73E-08	5.93E-08	7.67E-10	7.74E-08	1.96E-09	1.04E-08	1.82E-10	1.25E-08	1.79E-09	5.44E-09	5.51E-11	7.28E-09
9623	470750.95	3820515.24	2.10E-08	8.14E-08	1.08E-09	1.04E-07	1.75E-08	5.98E-08	7.74E-10	7.81E-08	1.98E-09	1.05E-08	1.84E-10	1.27E-08	1.80E-09	5.49E-09	5.57E-11	7.35E-09
9624	470742.05	3820518.79	2.12E-08	8.22E-08	1.09E-09	1.05E-07	1.77E-08	6.04E-08	7.82E-10	7.89E-08	2.00E-09	1.06E-08	1.86E-10	1.28E-08	1.82E-09	5.54E-09	5.62E-11	7.42E-09
9625	470733.16	3820522.34	2.14E-08	8.31E-08	1.10E-09	1.06E-07	1.78E-08	6.10E-08	7.90E-10	7.97E-08	2.02E-09	1.07E-08	1.88E-10	1.29E-08	1.84E-09	5.60E-09	5.68E-11	7.49E-09
9626	470724.26	3820525.9	2.16E-08	8.39E-08	1.11E-09	1.07E-07	1.80E-08	6.17E-08	7.98E-10	8.05E-08	2.04E-09	1.08E-08	1.90E-10	1.30E-08	1.86E-09	5.66E-09	5.74E-11	7.57E-09
9627	470715.37	3820529.45	2.19E-08	8.48E-08	1.12E-09	1.08E-07	1.82E-08	6.23E-08	8.06E-10	8.13E-08	2.06E-09	1.09E-08	1.92E-10	1.32E-08	1.88E-09	5.71E-09	5.80E-11	7.65E-09
9628	470706.47	3820533.01	2.21E-08	8.57E-08	1.13E-09	1.09E-07	1.84E-08	6.30E-08	8.15E-10	8.22E-08	2.09E-09	1.10E-08	1.94E-10	1.33E-08	1.90E-09	5.77E-09	5.86E-11	7.73E-09
9629	470697.58	3820536.56	2.23E-08	8.66E-08	1.15E-09	1.10E-07	1.86E-08	6.36E-08	8.23E-10	8.30E-08	2.11E-09	1.11E-08	1.96E-10	1.34E-08	1.92E-09	5.84E-09	5.92E-11	7.81E-09
9630	470688.68	3820540.11	2.26E-08	8.75E-08	1.16E-09	1.11E-07	1.88E-08	6.43E-08	8.32E-10	8.39E-08	2.13E-09	1.13E-08	1.98E-10	1.36E-08	1.94E-09	5.90E-09	5.98E-11	7.89E-09
9631	470679.79	3820543.67	2.28E-08	8.84E-08	1.17E-09	1.12E-07	1.90E-08	6.50E-08	8.41E-10	8.48E-08	2.15E-09	1.14E-08	2.00E-10	1.37E-08	1.96E-09	5.96E-09	6.04E-11	7.97E-09
9632	470670.89	3820547.22	2.30E-08	8.92E-08	1.18E-09	1.13E-07	1.92E-08	6.56E-08	8.49E-10	8.56E-08	2.17E-09	1.15E-08	2.02E-10	1.39E-08	1.98E-09	6.01E-09	6.10E-11	8.05E-09
9633	470662	3820550.78	2.32E-08	9.01E-08	1.19E-09	1.14E-07	1.93E-08	6.62E-08	8.56E-10	8.64E-08	2.19E-09	1.16E-08	2.03E-10	1.40E-08	1.99E-09	6.07E-09	6.16E-11	8.12E-09
9634	470653.1	3820554.33	2.34E-08	9.09E-08	1.20E-09	1.15E-07	1.95E-08	6.68E-08	8.64E-10	8.71E-08	2.21E-09	1.17E-08	2.05E-10	1.41E-08	2.01E-09	6.12E-09	6.21E-11	8.20E-09
9635	470644.2	3820557.88	2.36E-08	9.17E-08	1.21E-09	1.17E-07	1.97E-08	6.74E-08	8.72E-10	8.79E-08	2.23E-09	1.18E-08	2.07E-10	1.42E-08	2.03E-09	6.18E-09	6.27E-11	8.27E-09
9636	470635.31	3820561.44	2.38E-08	9.25E-08	1.22E-09	1.18E-07	1.99E-08	6.79E-08	8.79E-10	8.87E-08	2.25E-09	1.19E-08	2.09E-10	1.44E-08	2.05E-09	6.23E-09	6.32E-11	8.34E-09
9637	470626.41	3820564.99	2.40E-08	9.32E-08	1.24E-09	1.19E-07	2.00E-08	6.85E-08	8.87E-10	8.94E-08	2.27E-09	1.20E-08	2.11E-10	1.45E-08	2.06E-09	6.28E-09	6.37E-11	8.41E-09
9638	470617.52	3820568.55	2.42E-08	9.40E-08	1.25E-09	1.19E-07	2.02E-08	6.91E-08	8.94E-10	9.02E-08	2.29E-09	1.21E-08	2.12E-10	1.46E-08	2.08E-09	6.34E-09	6.43E-11	8.48E-09
9639	470608.62	3820572.1	2.44E-08	9.47E-08	1.25E-09	1.20E-07	2.03E-08	6.96E-08	9.01E-10	9.08E-08	2.31E-09	1.22E-08	2.14E-10	1.47E-08	2.10E-09	6.38E-09	6.47E-11	8.54E-09
9640	470599.73	3820575.65	2.46E-08	9.54E-08	1.26E-09	1.21E-07	2.05E-08	7.01E-08	9.07E-10	9.15E-08	2.32E-09	1.23E-08	2.16E-10	1.48E-08	2.11E-09	6.43E-09	6.52E-11	8.61E-09
9641	470590.83	3820579.21	2.48E-08	9.60E-08	1.27E-09	1.22E-07	2.06E-08	7.06E-08	9.13E-10	9.21E-08	2.34E-09	1.24E-08	2.17E-10	1.49E-08	2.13E-09	6.47E-09	6.56E-11	8.66E-09
9642	470581.94	3820582.76	2.49E-08	9.66E-08	1.28E-09	1.23E-07	2.07E-08	7.10E-08	9.18E-10	9.26E-08	2.35E-09	1.24E-08	2.18E-10	1.50E-08	2.14E-09	6.51E-09	6.60E-11	8.71E-09
9643	470573.04	3820586.32	2.50E-08	9.71E-08	1.29E-09	1.23E-07	2.09E-08	7.14E-08	9.24E-10	9.31E-08	2.36E-09	1.25E-08	2.19E-10	1.51E-08	2.15E-09	6.55E-09	6.64E-11	8.76E-09
9644	470564.15	3820589.87	2.52E-08	9.76E-08	1.29E-09	1.24E-07	2.10E-08	7.17E-08	9.29E-10	9.36E-08	2.38E-09	1.26E-08	2.21E-10	1.52E-08	2.16E-09	6.58E-09	6.67E-11	8.81E-09
9645	470555.25	3820593.42	2.53E-08	9.82E-08	1.30E-09	1.25E-07	2.11E-08	7.21E-08	9.33E-10	9.41E-08	2.39E-09	1.26E-08	2.22E-10	1.52E-08	2.17E-09	6.62E-09	6.71E-11	8.86E-09
9646	470546.36	3820596.98	2.54E-08	9.86E-08	1.31E-09	1.25E-07	2.12E-08	7.25E-08	9.38E-10	9.46E-08	2.40E-09	1.27E-08	2.23E-10	1.53E-08	2.18E-09	6.65E-09	6.74E-11	8.90E-09
9647	470537.46	3820600.53	2.56E-08	9.91E-08	1.31E-09	1.26E-07	2.13E-08	7.28E-08	9.42E-10	9.50E-08	2.41E-09	1.28E-08	2.24E-10	1.54E-08	2.19E-09	6.68E-09	6.77E-11	8.94E-09
9648	470528.57	3820604.09	2.57E-08	9.95E-08	1.32E-09	1.26E-07	2.14E-08	7.31E-08	9.46E-10	9.54E-08	2.42E-09	1.28E-08	2.25E-10	1.55E-08	2.20E-09	6.71E-09	6.80E-11	8.98E-09
9649	470519.67	3820607.64	2.58E-08	9.99E-08	1.32E-09	1.27E-07	2.15E-08	7.34E-08	9.50E-10	9.58E-08	2.43E-09	1.29E-08	2.26E-10	1.55E-08	2.21E-09	6.74E-09	6.83E-11	9.02E-09
9650	470510.78	3820611.19	2.59E-08	1.00E-07	1.33E-09	1.28E-07	2.15E-08	7.37E-08	9.54E-10	9.62E-08	2.44E-09	1.29E-08	2.27E-10	1.56E-08	2.22E-09	6.76E-09	6.86E-11	9.05E-09
9651	470501.88	3820614.75	2.60E-08	1.01E-07	1.33E-09	1.28E-07	2.16E-08	7.40E-08	9.58E-10	9.66E-08	2.45E-09	1.30E-08	2.28E-10	1.56E-08	2.23E-09	6.79E-09	6.88E-11	9.09E-09
9652	470492.99	3820618.3	2.60E-08	1.01E-07	1.34E-09	1.28E-07	2.17E-08	7.42E-08	9.61E-10	9.69E-08	2.46E-09	1.30E-08	2.28E-10	1.57E-08	2.24E-09	6.81E-09	6.90E-11	9.11E-09
9653	470484.09	3820621.86	2.61E-08	1.01E-07	1.34E-09	1.29E-07	2.18E-08	7.44E-08	9.63E-10	9.71E-08	2.47E-09	1.30E-08	2.29E-10	1.57E-08	2.24E-09	6.83E-09	6.92E-11	9.14E-09
9654	470475.2	3820625.41	2.62E-08	1.02E-07	1.35E-09	1.29E-07	2.18E-08	7.46E-08	9.66E-10	9.74E-08	2.47E-09	1.31E-08	2.29E-10	1.58E-08	2.25E-09	6.84E-09	6.94E-11	9.16E-09
9655	470466.3	3820628.96	2.62E-08	1.02E-07	1.35E-09	1.29E-07	2.19E-08	7.48E-08	9.68E-10	9.76E-08	2.48E-09	1.31E-08	2.30E-10	1.58E-08	2.25E-09	6.86E-09	6.96E-11	9.18E-09
9656	470457.41	3820632.52	2.63E-08	1.02E-07	1.35E-09	1.30E-07	2.19E-08	7.50E-08	9.71E-10	9.79E-08	2.49E-09	1.31E-08	2.31E-10	1.59E-08	2.26E-09	6.88E-09	6.98E-11	9.21E-09
9657	470448.51	3820636.07	2.64E-08	1.02E-07	1.36E-09	1.30E-07	2.20E-08	7.52E-08	9.74E-10	9.82E-08	2.49E-09	1.32E-08	2.31E-10	1.59E-08	2.27E-09	6.90E-09	7.00E-11	9.24E-09
9658	470439.61	3820639.63	2.65E-08	1.03E-07	1.36E-09	1.30E-07	2.20E-08	7.54E-08	9.76E-10	9.84E-08	2.50E-09	1.32E-08	2.32E-10	1.59E-08	2.27E-09	6.92E-09	7.02E-11	9.26E-09
9659	470430.72	3820643.18	2.65E-08	1.03E-07	1.36E-09	1.31E-07	2.21E-08	7.55E-08	9.77E-10	9.86E-08	2.50E-09	1.32E-08	2.32E-10	1.60E-08	2.28E-09	6.93E-09	7.03E-11	9.27E-09
9660	470421.82	3820646.74	2.65E-08	1.03E-07	1.36E-09	1.31E-07	2.21E-08	7.56E-08	9.79E-10	9.87E-08	2.51E-09	1.33E-08	2.33E-10	1.60E-08	2.28E-09	6.94E-09	7.04E-11	9.29E-09
9661	470412.93	3820650.29	2.66E-08	1.03E-07	1.37E-09	1.31E-07	2.21E-08	7.58E-08	9.80E-10	9.89E-08	2.51E-09	1.33E-08	2.33E-10	1.60E-08	2.28E-09	6.95E-09	7.05E-11	9.30E-09
9662	470404.03	3820653.84	2.66E-08	1.03E-07	1.37E-09	1.31E-07	2.22E-08	7.59E-08	9.82E-10	9.90E-08	2.51E-09	1.33E-08	2.33E-10	1.60E-08	2.29E-09	6.96E-09	7.06E-11	9.32E-09
9663	470395.14	3820657.4	2.67E-08	1.03E-07	1.37E-09	1.31E-07	2.22E-08	7.60E-08	9.83E-10	9.92E-08	2.52E-09	1.33E-08	2.34E-10	1.61E-08	2.29E-09	6.97E-09	7.07E-11	9.33E-09
9664	470386.24	3820660.95	2.67E-08	1.04E-07	1.37E-09	1.32E-07	2.22E-08	7.61E-08	9.85E-10	9.93E-08	2.52E-09	1.33E-08	2.34E-10	1.61E-08	2.29E-09	6.98E-09	7.08E-11	9.34E-09
9665	470377.35	3820664.51	2.67E-08	1.04E-07	1.37E-09	1.32E-07	2.23E-08	7.62E-08	9.86E-10	9.95E-08	2.53E-09	1.34E-08	2.34E-10	1.61E-08	2.30E-09	6.99E-09	7.09E-11	9.36E-09
9666	470368.45	3820668.06	2.68E-08	1.04E-07	1.38E-09	1.32E-07	2.23E-08	7.63E-08	9.88E-10	9.96E-08	2.53E-09	1.34E-08	2.35E-10	1.61E-08	2.30E-09	7.00E-09	7.10E-11	9.37E-09
9667	470359.56	3820671.61	2.68E-08	1.04E-07	1.38E-09	1.32E-07	2.24E-08	7.65E-08	9.90E-10	9.98E-08	2.53E-09	1.34E-08	2.35E-10	1.62E-08	2.30E-09	7.02E-09	7.11E-11	9.39E-09
9668	470350.66	3820675.17	2.69E-08	1.04E-07	1.38E-09	1.33E-07	2.24E-08	7.66E-08	9.92E-10	1.00E-07	2.54E-09	1.34E-08	2.36E-10	1.62E-08	2.31E-09	7.03E-09	7.13E-11	9.41E-09
9669	470341.77	3820678.72	2.69E-08	1.05E-07	1.38E-09	1.33E-07	2.24E-08	7.68E-08	9.94E-10	1.00E-07	2.54E-09	1.35E-08	2.36E-10	1.62E-08	2.31E-09	7.04E-09	7.14E-11	9.43E-09
9670	470332.87	3820682.28	2.70E-08	1.05E-07	1.39E-09	1.33E-07	2.25E-08	7.70E-08	9.96E-10	1.00E-07	2.55E-09	1.35E-08	2.37E-10	1.63E-08	2.32E-09	7.06E-09	7.16E-11	9.45E-09
9671	470323.98	3820685.83	2.71E-08	1.05E-07	1.39E-09	1.34E-07	2.26E-08	7.72E-08	9.99E-10	1.01E-07	2.56E-09	1.35E-08	2.37E-10	1.63E-08	2.33E-09	7.08E-09	7.18E-11	9.48E-09
9672	470315.08	3820689.38	2.72E-08	1.05E-07	1.40E-09	1.34E-07	2.26E-08	7.74E-08	1.00E-09	1.01E-07	2.56E-09	1.36E-08	2.38E-10	1.64E-08	2.33E-09	7.10E-09	7.20E-11	9.50E-09
9673	470306.19	3820692.94	2.72E-08	1.06E-07	1.40E-09	1.34E-07	2.27E-08	7.76E-08	1.00E-09	1.01E-07	2.57E-09	1.36E-08	2.39E-10	1.64E-08	2.34E-09	7.12E-09	7.22E-11	9.53E-09
9674	470297.29	3820696.49	2.73E-08	1.06E-07	1.40E-09	1.35E-07	2.28E-08	7.78E-08	1.01E-09	1.02E-07	2.58E-09	1.36E-08	2.39E-10	1.65E-08	2.34E-09	7.14E-09	7.24E-11	9.56E-09
9675	470288.4	3820700.05	2.74E-08	1.06E-07	1.41E-09	1.35E-07	2.28E-08	7.81E-08	1.01E-09	1.02E-07	2.59E-09	1.37E-08	2.40E-10	1.65E-08	2.35E-09	7.16E-09	7.26E-11	9.59E-09
9676	470279.5	3820703.6	2.75E-08	1.07E-07	1.41E-09	1.35E-07	2.29E-08	7.83E-08	1.01E-09	1.02E-07	2.60E-09	1.37E-08	2.41E-10	1.66E-08	2.36E-09	7.19E-09	7.29E-11	9.62E-09
9677	470270.61	3820707.15	2.76E-08	1.07E-07	1.42E-09	1.36E-07	2.30E-08	7.86E-08	1.02E-09	1.03E-07	2.60E-09	1.38E-08	2.42E-10	1.66E-08	2.37E-09	7.21E-09	7.31E-11	9.65E-09
9678	471539.2	3819461.63	1.43E-08	5.55E-08	7.35E-10	7.05E-08	1.19E-08	4.08E-08	5.28E-10	5.32E-08	1.35E-09	7.14E-09	1.25E-10	8.62E-09	1.23E-09	3.74E-09	3.79E-11	5.01E-09
9679	471539.29	3819451.99	1.43E-08	5.53E-08	7.33E-10	7.03E-08	1.19E-08	4.07E-08	5.26E-10	5.31E-08	1.35E-09	7.12E-09	1.25E-10	8.59E-09	1.22E-09	3.73E-09	3.78E-11	4.99E-09
9680	471539.37	3819442.34	1.42E-08	5.52E-08	7.31E-10	7.01E-08	1.18E-08	4.05E-08	5.25E-10	5.29E-08	1.34E-09	7.10E-09	1.25E-10	8.57E-09	1.22E-09	3.72E-09	3.77E-11	4.98E-09
9681	471539.45	3819432.69	1.42E-08	5.50E-08	7.29E-10	6.99E-08	1.18E-08	4.04E-08	5.23E-10	5.27E-08	1.34E-09	7.08E-09	1.24E-10	8.54E-09	1.22E-09	3.71E-09	3.76E-11	4.96E-09
9682	471539.53	3819423.04	1.41E-08	5.48E-08	7.26E-10	6.97E-08	1.18E-08	4.03E-08	5.21E-10	5.26E-08	1.33E-09	7.05E-09	1.24E-10	8.51E-09	1.21E-09	3.69E-09	3.75E-11	4.94E-09
9683	471539.62	3819413.39	1.41E-08	5.46E-08	7.23E-10	6.94E-08	1.17E-08	4.01E-08	5.19E-10	5.24E-08	1.33E-09	7.03E-09	1.23E-10	8.48E-09	1.21E-09	3.68E-09	3.73E-11	4.93E-09
9684	471539.7	3819403.74	1.40E-08	5.44E-08	7.20E-10	6.91E-08	1.17E-08	3.99E-08	5.17E-10	5.21E-08	1.32E-09	7.00E-09	1.23E-10	8.44E-09	1.20E-09	3.66E-09	3.72E-11	4.90E-09
9685	471539.78	3819394.1	1.40E-08	5.41E-08	7.17E-10	6.88E-08	1.16E-08	3.98E-08	5.15E-10	5.19E-08	1.32E-09	6.97E-09	1.22E-10	8.41E-09	1.20E-09	3.65E-09	3.70E-11	4.88E-09
9686	471539.87	3819384.45	1.39E-08	5.39E-08	7.13E-10	6.85E-08	1.16E-08	3.96E-08	5.12E-10	5.17E-08	1.31E-09	6.93E-09	1.22E-10	8.37E-09	1.19E-09	3.63E-09	3.68E-11	4.86E-09
9687	471539.95	3819374.8	1.38E-08	5.36E-08	7.10E-10	6.81E-08	1.15E-08	3.94E-08	5.09E-10	5.14E-08	1.30E-09	6.89E-09	1.21E-10	8.32E-09	1.19E-09	3.61E-09	3.66E-11	4.83E-09
9688	471540.03	3819365.15	1.37E-08	5.33E-08	7.06E-10	6.77E-08	1.14E-08	3.91E-08	5.06E-10	5.11E-08	1.30E-09	6.86E-09	1.20E-10	8.27E-09	1.18E-09	3.59E-09	3.64E-11	4.81E-09
9689	471540.11	3819355.5	1.37E-08	5.29E-08	7.01E-10	6.73E-08	1.14E-08	3.89E-08	5.03E-10	5.08E-08	1.29E-09	6.81E-09	1.20E-10	8.22E-09	1.17E-09	3.57E-09	3.62E-11	4.78E-09
9690	471540.2	3819345.86	1.36E-08	5.26E-08	6.97E-10	6.69E-08	1.13E-08	3.87E-08	5.00E-10	5.04E-08	1.28E-09	6.77E-09	1.19E-10	8.17E-09	1.16E-09	3.55E-09	3.60E-11	4.75E-09
9691	471540.28	3819336.21	1.35E-08	5.22E-08	6.92E-10	6.64E-08	1.12E-08	3.84E-08	4.97E-10	5.01E-08	1.27E-09	6.73E-09	1.18E-10	8.12E-09	1.16E-09	3.52E-09	3.57E-11	4.71E-09
9692	471540.36	3819326.56	1.34E-08	5.19E-08	6.87E-10	6.59E-08	1.11E-08	3.81E-08	4.93E-10	4.97E-08	1.26E-09	6.68E-09	1.17E-10	8.06E-09	1.15E-09	3.50E-09	3.55E-11

9693	471540.44	3819316.91	1.33E-08	5.15E-08	6.82E-10	6.54E-08	1.11E-08	3.78E-08	4.89E-10	4.94E-08	1.25E-09	6.63E-09	1.16E-10	8.00E-09	1.14E-09	3.47E-09	3.52E-11	4.64E-09
9694	471540.53	3819307.26	1.32E-08	5.11E-08	6.76E-10	6.49E-08	1.10E-08	3.75E-08	4.86E-10	4.90E-08	1.24E-09	6.57E-09	1.15E-10	7.93E-09	1.13E-09	3.44E-09	3.49E-11	4.61E-09
9695	471540.61	3819297.61	1.31E-08	5.06E-08	6.71E-10	6.43E-08	1.09E-08	3.72E-08	4.81E-10	4.86E-08	1.23E-09	6.52E-09	1.14E-10	7.86E-09	1.12E-09	3.41E-09	3.46E-11	4.57E-09
9696	471540.69	3819287.97	1.29E-08	5.02E-08	6.65E-10	6.38E-08	1.08E-08	3.69E-08	4.77E-10	4.81E-08	1.22E-09	6.46E-09	1.13E-10	7.79E-09	1.11E-09	3.38E-09	3.43E-11	4.53E-09
9697	471540.78	3819278.32	1.28E-08	4.97E-08	6.59E-10	6.32E-08	1.07E-08	3.65E-08	4.73E-10	4.77E-08	1.21E-09	6.40E-09	1.12E-10	7.72E-09	1.10E-09	3.35E-09	3.40E-11	4.49E-09
9698	471540.86	3819268.67	1.27E-08	4.92E-08	6.52E-10	6.26E-08	1.06E-08	3.62E-08	4.68E-10	4.72E-08	1.20E-09	6.34E-09	1.11E-10	7.65E-09	1.09E-09	3.32E-09	3.37E-11	4.44E-09
9699	471540.94	3819259.02	1.26E-08	4.88E-08	6.46E-10	6.20E-08	1.05E-08	3.58E-08	4.64E-10	4.68E-08	1.19E-09	6.28E-09	1.10E-10	7.57E-09	1.08E-09	3.29E-09	3.33E-11	4.40E-09
9700	471615.43	3819471.17	1.28E-08	4.96E-08	6.57E-10	6.30E-08	1.07E-08	3.64E-08	4.72E-10	4.76E-08	1.21E-09	6.38E-09	1.12E-10	7.70E-09	1.10E-09	3.34E-09	3.39E-11	4.47E-09
9701	471611.67	3819480.01	1.29E-08	5.00E-08	6.62E-10	6.35E-08	1.07E-08	3.67E-08	4.75E-10	4.79E-08	1.22E-09	6.43E-09	1.13E-10	7.76E-09	1.11E-09	3.37E-09	3.42E-11	4.51E-09
9702	471607.9	3819488.86	1.30E-08	5.03E-08	6.67E-10	6.40E-08	1.08E-08	3.70E-08	4.78E-10	4.83E-08	1.23E-09	6.48E-09	1.14E-10	7.82E-09	1.11E-09	3.39E-09	3.44E-11	4.54E-09
9703	471604.13	3819497.71	1.31E-08	5.07E-08	6.71E-10	6.44E-08	1.09E-08	3.72E-08	4.82E-10	4.86E-08	1.23E-09	6.52E-09	1.14E-10	7.87E-09	1.12E-09	3.42E-09	3.46E-11	4.57E-09
9704	471600.36	3819506.55	1.32E-08	5.10E-08	6.76E-10	6.49E-08	1.10E-08	3.75E-08	4.85E-10	4.89E-08	1.24E-09	6.57E-09	1.15E-10	7.93E-09	1.13E-09	3.44E-09	3.49E-11	4.60E-09
9705	471596.59	3819515.4	1.32E-08	5.13E-08	6.80E-10	6.53E-08	1.10E-08	3.77E-08	4.88E-10	4.92E-08	1.25E-09	6.61E-09	1.16E-10	7.98E-09	1.14E-09	3.46E-09	3.51E-11	4.63E-09
9706	471592.83	3819524.25	1.33E-08	5.17E-08	6.85E-10	6.57E-08	1.11E-08	3.80E-08	4.91E-10	4.96E-08	1.26E-09	6.65E-09	1.17E-10	8.03E-09	1.14E-09	3.48E-09	3.53E-11	4.66E-09
9707	471589.06	3819533.1	1.34E-08	5.20E-08	6.89E-10	6.61E-08	1.12E-08	3.82E-08	4.95E-10	4.99E-08	1.27E-09	6.69E-09	1.18E-10	8.08E-09	1.15E-09	3.51E-09	3.55E-11	4.69E-09
9708	471577.76	3819559.64	1.37E-08	5.30E-08	7.02E-10	6.73E-08	1.14E-08	3.89E-08	5.04E-10	5.08E-08	1.29E-09	6.82E-09	1.20E-10	8.23E-09	1.17E-09	3.57E-09	3.62E-11	4.78E-09
9709	471573.99	3819568.48	1.37E-08	5.33E-08	7.06E-10	6.77E-08	1.14E-08	3.91E-08	5.07E-10	5.11E-08	1.30E-09	6.86E-09	1.20E-10	8.28E-09	1.18E-09	3.59E-09	3.64E-11	4.81E-09
9710	471570.22	3819577.33	1.38E-08	5.36E-08	7.10E-10	6.81E-08	1.15E-08	3.94E-08	5.10E-10	5.14E-08	1.30E-09	6.90E-09	1.21E-10	8.32E-09	1.19E-09	3.61E-09	3.66E-11	4.83E-09
9711	471566.45	3819586.18	1.39E-08	5.39E-08	7.14E-10	6.85E-08	1.16E-08	3.96E-08	5.13E-10	5.17E-08	1.31E-09	6.94E-09	1.22E-10	8.37E-09	1.19E-09	3.63E-09	3.68E-11	4.86E-09
9712	471562.69	3819595.02	1.40E-08	5.42E-08	7.18E-10	6.89E-08	1.16E-08	3.98E-08	5.15E-10	5.20E-08	1.32E-09	6.98E-09	1.22E-10	8.42E-09	1.20E-09	3.65E-09	3.70E-11	4.89E-09
9713	471558.92	3819603.87	1.41E-08	5.45E-08	7.22E-10	6.93E-08	1.17E-08	4.00E-08	5.18E-10	5.23E-08	1.33E-09	7.02E-09	1.23E-10	8.47E-09	1.21E-09	3.67E-09	3.73E-11	4.92E-09
9714	471555.15	3819612.72	1.41E-08	5.48E-08	7.26E-10	6.96E-08	1.18E-08	4.03E-08	5.21E-10	5.25E-08	1.33E-09	7.05E-09	1.24E-10	8.51E-09	1.21E-09	3.69E-09	3.74E-11	4.94E-09
9715	471551.38	3819621.57	1.42E-08	5.51E-08	7.30E-10	7.00E-08	1.18E-08	4.05E-08	5.24E-10	5.28E-08	1.34E-09	7.09E-09	1.24E-10	8.56E-09	1.22E-09	3.71E-09	3.77E-11	4.97E-09
9716	471547.61	3819630.41	1.43E-08	5.54E-08	7.34E-10	7.04E-08	1.19E-08	4.07E-08	5.27E-10	5.31E-08	1.35E-09	7.13E-09	1.25E-10	8.60E-09	1.23E-09	3.73E-09	3.79E-11	5.00E-09
9717	471543.85	3819639.26	1.44E-08	5.57E-08	7.37E-10	7.07E-08	1.20E-08	4.09E-08	5.29E-10	5.34E-08	1.36E-09	7.17E-09	1.26E-10	8.65E-09	1.23E-09	3.75E-09	3.80E-11	5.02E-09
9718	471540.08	3819648.11	1.44E-08	5.59E-08	7.41E-10	7.11E-08	1.20E-08	4.11E-08	5.32E-10	5.37E-08	1.36E-09	7.20E-09	1.26E-10	8.69E-09	1.24E-09	3.77E-09	3.82E-11	5.05E-09
9719	471536.31	3819656.95	1.45E-08	5.62E-08	7.45E-10	7.15E-08	1.21E-08	4.13E-08	5.35E-10	5.39E-08	1.37E-09	7.24E-09	1.27E-10	8.73E-09	1.24E-09	3.79E-09	3.84E-11	5.07E-09
9720	471532.54	3819665.8	1.46E-08	5.65E-08	7.49E-10	7.18E-08	1.21E-08	4.15E-08	5.37E-10	5.42E-08	1.38E-09	7.27E-09	1.28E-10	8.78E-09	1.25E-09	3.81E-09	3.86E-11	5.10E-09
9721	471528.78	3819674.65	1.46E-08	5.68E-08	7.52E-10	7.22E-08	1.22E-08	4.17E-08	5.40E-10	5.45E-08	1.38E-09	7.31E-09	1.28E-10	8.82E-09	1.26E-09	3.83E-09	3.88E-11	5.12E-09
9722	471525.01	3819683.49	1.47E-08	5.71E-08	7.56E-10	7.25E-08	1.23E-08	4.19E-08	5.43E-10	5.47E-08	1.39E-09	7.34E-09	1.29E-10	8.86E-09	1.26E-09	3.85E-09	3.90E-11	5.15E-09
9723	471521.24	3819692.34	1.48E-08	5.73E-08	7.59E-10	7.29E-08	1.23E-08	4.21E-08	5.45E-10	5.50E-08	1.40E-09	7.38E-09	1.30E-10	8.90E-09	1.27E-09	3.86E-09	3.92E-11	5.17E-09
9724	471517.47	3819701.19	1.49E-08	5.76E-08	7.63E-10	7.32E-08	1.24E-08	4.23E-08	5.48E-10	5.52E-08	1.40E-09	7.41E-09	1.30E-10	8.95E-09	1.27E-09	3.88E-09	3.94E-11	5.20E-09
9725	471513.7	3819710.04	1.49E-08	5.79E-08	7.67E-10	7.35E-08	1.24E-08	4.25E-08	5.50E-10	5.55E-08	1.41E-09	7.45E-09	1.31E-10	8.99E-09	1.28E-09	3.90E-09	3.95E-11	5.22E-09
9726	471509.94	3819718.88	1.50E-08	5.81E-08	7.70E-10	7.39E-08	1.25E-08	4.27E-08	5.53E-10	5.57E-08	1.41E-09	7.48E-09	1.31E-10	9.03E-09	1.29E-09	3.92E-09	3.97E-11	5.24E-09
9727	471494.87	3819754.27	1.52E-08	5.91E-08	7.83E-10	7.51E-08	1.27E-08	4.34E-08	5.62E-10	5.67E-08	1.44E-09	7.60E-09	1.33E-10	9.18E-09	1.31E-09	3.98E-09	4.04E-11	5.33E-09
9728	471491.1	3819763.12	1.53E-08	5.93E-08	7.86E-10	7.54E-08	1.27E-08	4.36E-08	5.64E-10	5.69E-08	1.44E-09	7.63E-09	1.34E-10	9.21E-09	1.31E-09	4.00E-09	4.05E-11	5.35E-09
9729	471487.33	3819771.96	1.53E-08	5.95E-08	7.88E-10	7.56E-08	1.28E-08	4.37E-08	5.66E-10	5.71E-08	1.45E-09	7.66E-09	1.34E-10	9.24E-09	1.32E-09	4.01E-09	4.07E-11	5.37E-09
9730	471483.56	3819780.81	1.54E-08	5.97E-08	7.91E-10	7.59E-08	1.28E-08	4.39E-08	5.68E-10	5.73E-08	1.45E-09	7.69E-09	1.35E-10	9.28E-09	1.32E-09	4.03E-09	4.08E-11	5.39E-09
9731	471479.8	3819789.66	1.55E-08	5.99E-08	7.94E-10	7.62E-08	1.29E-08	4.40E-08	5.70E-10	5.75E-08	1.46E-09	7.71E-09	1.35E-10	9.31E-09	1.33E-09	4.04E-09	4.10E-11	5.41E-09
9732	471476.03	3819798.51	1.55E-08	6.01E-08	7.96E-10	7.64E-08	1.29E-08	4.42E-08	5.72E-10	5.76E-08	1.46E-09	7.74E-09	1.36E-10	9.34E-09	1.33E-09	4.05E-09	4.11E-11	5.42E-09
9733	471472.26	3819807.35	1.55E-08	6.03E-08	7.98E-10	7.66E-08	1.29E-08	4.43E-08	5.73E-10	5.78E-08	1.47E-09	7.76E-09	1.36E-10	9.36E-09	1.33E-09	4.06E-09	4.12E-11	5.44E-09
9734	471468.49	3819816.2	1.56E-08	6.04E-08	8.01E-10	7.68E-08	1.30E-08	4.44E-08	5.75E-10	5.80E-08	1.47E-09	7.78E-09	1.37E-10	9.39E-09	1.34E-09	4.07E-09	4.13E-11	5.45E-09
9735	471464.72	3819825.05	1.56E-08	6.06E-08	8.03E-10	7.70E-08	1.30E-08	4.45E-08	5.76E-10	5.81E-08	1.48E-09	7.80E-09	1.37E-10	9.41E-09	1.34E-09	4.08E-09	4.14E-11	5.47E-09
9736	471460.96	3819833.89	1.57E-08	6.07E-08	8.04E-10	7.72E-08	1.30E-08	4.46E-08	5.77E-10	5.82E-08	1.48E-09	7.82E-09	1.37E-10	9.43E-09	1.34E-09	4.09E-09	4.15E-11	5.48E-09
9737	471457.19	3819842.74	1.57E-08	6.09E-08	8.06E-10	7.73E-08	1.31E-08	4.47E-08	5.79E-10	5.84E-08	1.48E-09	7.83E-09	1.37E-10	9.45E-09	1.35E-09	4.10E-09	4.16E-11	5.49E-09
9738	471453.42	3819851.59	1.57E-08	6.10E-08	8.08E-10	7.75E-08	1.31E-08	4.48E-08	5.80E-10	5.85E-08	1.48E-09	7.85E-09	1.38E-10	9.47E-09	1.35E-09	4.11E-09	4.17E-11	5.50E-09
9739	471449.65	3819860.44	1.57E-08	6.11E-08	8.09E-10	7.76E-08	1.31E-08	4.49E-08	5.81E-10	5.86E-08	1.49E-09	7.86E-09	1.38E-10	9.49E-09	1.35E-09	4.12E-09	4.17E-11	5.51E-09
9740	471445.89	3819869.28	1.58E-08	6.12E-08	8.10E-10	7.77E-08	1.31E-08	4.49E-08	5.82E-10	5.87E-08	1.49E-09	7.87E-09	1.38E-10	9.50E-09	1.35E-09	4.12E-09	4.18E-11	5.52E-09
9741	471442.12	3819878.13	1.58E-08	6.12E-08	8.11E-10	7.78E-08	1.32E-08	4.50E-08	5.82E-10	5.87E-08	1.49E-09	7.88E-09	1.38E-10	9.51E-09	1.36E-09	4.13E-09	4.19E-11	5.52E-09
9742	471438.35	3819886.98	1.58E-08	6.13E-08	8.12E-10	7.79E-08	1.32E-08	4.50E-08	5.83E-10	5.88E-08	1.49E-09	7.89E-09	1.38E-10	9.52E-09	1.36E-09	4.13E-09	4.19E-11	5.53E-09
9743	471434.58	3819895.82	1.58E-08	6.13E-08	8.13E-10	7.80E-08	1.32E-08	4.51E-08	5.83E-10	5.88E-08	1.49E-09	7.90E-09	1.39E-10	9.53E-09	1.36E-09	4.13E-09	4.19E-11	5.53E-09
9744	471430.82	3819904.67	1.58E-08	6.14E-08	8.13E-10	7.80E-08	1.32E-08	4.51E-08	5.84E-10	5.89E-08	1.49E-09	7.90E-09	1.39E-10	9.53E-09	1.36E-09	4.14E-09	4.19E-11	5.54E-09
9745	471427.05	3819913.52	1.58E-08	6.14E-08	8.13E-10	7.80E-08	1.32E-08	4.51E-08	5.84E-10	5.89E-08	1.49E-09	7.90E-09	1.39E-10	9.54E-09	1.36E-09	4.14E-09	4.20E-11	5.54E-09
9746	471423.28	3819922.36	1.58E-08	6.14E-08	8.14E-10	7.81E-08	1.32E-08	4.51E-08	5.84E-10	5.89E-08	1.50E-09	7.91E-09	1.39E-10	9.54E-09	1.36E-09	4.14E-09	4.20E-11	5.54E-09
9747	471419.51	3819931.21	1.58E-08	6.14E-08	8.14E-10	7.81E-08	1.32E-08	4.51E-08	5.84E-10	5.89E-08	1.50E-09	7.91E-09	1.39E-10	9.54E-09	1.36E-09	4.14E-09	4.20E-11	5.54E-09
9748	471415.74	3819940.06	1.58E-08	6.14E-08	8.13E-10	7.80E-08	1.32E-08	4.51E-08	5.84E-10	5.89E-08	1.49E-09	7.90E-09	1.39E-10	9.54E-09	1.36E-09	4.14E-09	4.20E-11	5.54E-09
9749	471411.98	3819948.91	1.58E-08	6.14E-08	8.13E-10	7.80E-08	1.32E-08	4.51E-08	5.84E-10	5.89E-08	1.49E-09	7.90E-09	1.39E-10	9.53E-09	1.36E-09	4.14E-09	4.19E-11	5.54E-09
9750	471408.21	3819957.75	1.58E-08	6.13E-08	8.13E-10	7.80E-08	1.32E-08	4.51E-08	5.83E-10	5.88E-08	1.49E-09	7.90E-09	1.39E-10	9.53E-09	1.36E-09	4.13E-09	4.19E-11	5.53E-09
9751	471404.44	3819966.6	1.58E-08	6.13E-08	8.12E-10	7.79E-08	1.32E-08	4.50E-08	5.83E-10	5.88E-08	1.49E-09	7.89E-09	1.39E-10	9.52E-09	1.36E-09	4.13E-09	4.19E-11	5.53E-09
9752	471400.67	3819975.45	1.58E-08	6.12E-08	8.11E-10	7.78E-08	1.32E-08	4.50E-08	5.82E-10	5.87E-08	1.49E-09	7.88E-09	1.38E-10	9.51E-09	1.36E-09	4.13E-09	4.19E-11	5.53E-09
9753	471396.91	3819984.29	1.58E-08	6.12E-08	8.11E-10	7.78E-08	1.31E-08	4.50E-08	5.82E-10	5.87E-08	1.49E-09	7.88E-09	1.38E-10	9.50E-09	1.35E-09	4.12E-09	4.18E-11	5.52E-09
9754	471393.14	3819993.14	1.58E-08	6.11E-08	8.10E-10	7.77E-08	1.31E-08	4.49E-08	5.81E-10	5.86E-08	1.49E-09	7.87E-09	1.38E-10	9.49E-09	1.35E-09	4.12E-09	4.18E-11	5.51E-09
9755	471389.37	3820001.99	1.57E-08	6.10E-08	8.09E-10	7.76E-08	1.31E-08	4.49E-08	5.81E-10	5.85E-08	1.49E-09	7.86E-09	1.38E-10	9.48E-09	1.35E-09	4.11E-09	4.17E-11	5.51E-09
9756	471385.6	3820010.83	1.57E-08	6.10E-08	8.08E-10	7.75E-08	1.31E-08	4.48E-08	5.80E-10	5.85E-08	1.48E-09	7.85E-09	1.38E-10	9.47E-09	1.35E-09	4.11E-09	4.17E-11	5.50E-09
9757	471381.84	3820019.68	1.57E-08	6.09E-08	8.07E-10	7.74E-08	1.31E-08	4.47E-08	5.79E-10	5.84E-08	1.48E-09	7.84E-09	1.38E-10	9.46E-09	1.35E-09	4.10E-09	4.16E-11	5.49E-09
9758	471378.07	3820028.53	1.57E-08	6.08E-08	8.05E-10	7.73E-08	1.31E-08	4.47E-08	5.78E-10	5.83E-08	1.48E-09	7.83E-09	1.37E-10	9.44E-09	1.35E-09	4.10E-09	4.16E-11	5.48E-09
9759	471374.3	3820037.38	1.57E-08	6.07E-08	8.04E-10	7.71E-08	1.30E-08	4.46E-08	5.77E-10	5.82E-08	1.48E-09	7.81E-09	1.37E-10	9.43E-09	1.34E-09	4.09E-09	4.15E-11	5.48E-09
9760	471370.53	3820046.22	1.56E-08	6.06E-08	8.03E-10	7.70E-08	1.30E-08	4.45E-08	5.76E-10	5.81E-08	1.48E-09	7.80E-09	1.37E-10	9.41E-09	1.34E-09	4.08E-09	4.14E-11	5.47E-09
9761	471366.76	3820055.07	1.56E-08	6.05E-08	8.01E-10	7.69E-08	1.30E-08	4.45E-08	5.75E-10	5.80E-08	1.47E-09	7.79E-09	1.37E-10	9.40E-09	1.34E-09	4.08E-09	4.14E-11	5.46E-09
9762	471363	3820063.92	1.56E-08	6.04E-08	8.00E-10	7.68E-08	1.30E-08	4.44E-08	5.74E-10	5.79E-08	1.47E-09	7.77E-09	1.36E-10	9.38E-09	1.34E-09	4.07E-09	4.13E-11	5.45E-09
9763	471359.23	3820072.76	1.55E-08	6.03E-08	7.99E-10	7.66E-08	1.29E-08	4.43E-08	5.73E-10	5.78E-08	1.47E-09	7.76E-09	1.36E-10	9.36E-09	1.33E-09	4.06E-09	4.12E-11	5.44E-09
9764	471355.46	3820081.61	1.55E-08	6.02E-08	7.97E-10	7.65E-08	1.29E-08	4.42E-08	5.72E-10	5.77E-08	1.47E-09	7.75E-09	1.36E-10	9.35E-09	1.33E-09	4.06E-09	4.11E-11	5.43E-09
9765	471351.69	3820090.46	1.55E-08	6.01E-08	7.96E-10	7.64E-08	1.29E-08	4.41E-08	5.71E-10	5.76E-08	1.46E-09	7.73E-09	1.36E-10	9.33E-09	1.33E-09	4.05E-09	4.11E-11	5.42E-09
9766	471347.93	3820099.3	1.55E-08	6.00E-08	7.95E-10	7.62E-08	1.29E-08	4.41E-08	5.70E-10	5.75E-08	1.46E-09	7.72E-09	1.36E-10	9.32E-09	1.33E-09	4.04E-09	4.10E-11	5.41E-09
9767	471344.16	3820108.15	1.54E-08	5.99E-08	7.93E-10	7.61E-08	1.29E-08	4.40E-08	5.69E-10	5.74E-08	1.46E-09	7.71E-09	1.35E-10	9.30E-09	1.33E-09	4.03E-09	4.09E-11	5.40E-09
9768	471340.39	3820117	1.54E-08	5.98E-08	7.92E-10	7.60E-08	1.28E-08	4.39E-08	5.68E-10	5.73E-08	1.46E-09	7.69E-09	1.35E-10	9.28E-09	1.32E-09	4.03E-09	4.09E-11	5.39E-09
9769	471336.62	3820125.85	1.54E-08	5.97E-08	7.90E-10	7.58E-08	1.28E-08	4.38E-08	5.67E-10	5.72E-08	1.45E-09	7.68E-09	1.35E-10	9.27E-09	1.32E-09	4.02E-09	4.08E-11	5.38E-09
9770	471332.86	3820134.69	1.54E-08	5.96E-08	7.89E-10	7.57E-08	1.28E-08	4.38E-08	5.66E-10	5.71E-08	1.45E-09	7.67E-09	1.35E-10	9.25E-09	1.32E-09	4.01E-09	4.07E-11	5.37E-09
9771	471329.09	3820143.54	1.53E-08	5.94E-08	7.87E-10	7.56E-08	1.28E-08	4.37E-08	5.65E-10	5.70E-08	1.45E-09	7.65E-09	1.34E-10	9.23E-09	1.32E-09	4.01E-09	4.06E-11	5.36E-09
9772	471325.32	3820152.39	1.53E-08	5.93E-08	7.86E-10	7.54E-08	1.27E-08	4.36E-08	5.64E-10	5.69E-08	1.44E-09	7.64E-09	1.34E-10	9.22E-09	1.31E-09	4.00E-09	4.06E-11	5.35E-09
9773	471321.55	3820161.23	1.53E-08	5.92E-08	7.85E-10	7.53E-08	1.27E-08	4.35E-08	5.63E-10	5.68E-08	1.44E-09	7.62E-09	1.34E-10	9.20E-09	1.31E-09	3.99E-09	4.05E-11	5.34E-09
9774	471317.78	3820170.08	1.52E-08	5.91E-08	7.83E-10	7.52E-08	1.27E-08	4.34E-08	5.62E-10	5.67E-08	1.44E-09	7.61E-09	1.34E-10	9.19E-09	1.31E-09	3.99E-09	4.04E-11	5.33E-09
9775	471314.02	3820178.93	1.52E-08	5.90E-08	7.82E-10	7.50E-08	1.27E-08	4.34E-08	5.61E-10	5.66E-08	1.44E-09	7.60E-09	1.33E-10	9.17E-09	1.31E-09	3.98E-09	4.03E-11	5.33E-09
9776	471310.25	3820187.77	1.52E-08	5.89E-08	7.81E-10	7.49E-08	1.27E-08	4.33E-08	5.60E-10	5.65E-08	1.43E-09	7.59E-09	1.33E-10	9.15E-09	1.30E-09	3.97E-09	4.03E-11	5.32E-09
9777	471306.48	3820196.62	1.52E-08	5.88E-08	7.79E-10	7.48E-08	1.26E-08	4.32E-08	5.59E-10	5.64E-08	1.43E-09	7.57E-09	1.33E-10	9.14E-09	1.30E-09	3.96E-09	4.02E-11	5.31E-09
9778	471302.71	3820205.47	1.51E-08	5.87E-08	7.78E-10	7.46E-08	1.26E-08	4.31E-08	5.58E-10	5.63E-08	1.43E-09	7.56E-09	1.33E-10	9.12E-09	1.30E-09	3.96E-09	4.01E-11	5.30E-09
9779	471298.95	3820214.32	1.51E-08	5.86E-08	7.77E-10	7.45E-08	1.26E-08	4.31E-08	5.57E-10	5.62E-08	1.43E-09	7.55E-09	1.32E-10	9.11E-09	1.30E-09	3.95E-09	4.01E-11	5.29E-09
9780	471295.18	3820223.16	1.51E-08	5.85E-08	7.75E-10	7.44E-08	1.26E-08	4.30E-08	5.57E-10	5.61E-08	1.42E-09	7.53E-09	1.32E-10	9.09E-09	1.30E-09	3.94E-09	4.00E-11	5.28E-09
9781	471291.41	3820232.01	1.51E-08	5.84E-08	7.74E-10	7.42E-08	1.25E-08	4.29E-08	5.55E-10	5.60E-08	1.42E-09	7.52E-09	1.32E-10	9.07E-09	1.29E-09	3.94E-09	3.99E-11	5.27E-09
9782	471287.64	3820240.86	1.50E-08	5.83E-08	7.72E-10	7.41E-08	1.25E-08	4.28E-08	5.54E-10	5.59E-08	1.42E-09	7.50E-09	1.32E-10	9.06E-09	1.29E-09	3.93E-09	3.98E-11	5.26E-09
9783	471283.87	3820249.7	1.50E-08	5.82E-08	7.71E-10	7.40E-08	1.25E-08	4.28E-08	5.53E-10	5.58E-08	1.42E-09	7.49E-09	1.31E-10	9.04E-09	1.29E-09	3.92E-09	3.98E-11	5.25E-09
9784	471280.11	3820258.55	1.50E-08	5.81E-08	7.69E-10	7.38E-08	1.25E-08	4.27E-08	5.52E-10	5.57E-08	1.41E-09	7.47E-09	1.31E-10	9.02E-09	1.29E-09	3.91E-09	3.97E-11	5.24E-09
9785	471276.34	3820267.4	1.49E-08	5.79E-08	7.67E-10	7.36E-08	1.24E-08	4.26E-08	5.51E-10	5.56E-08	1.41E-09	7.46E-09	1.31E-10	9.00E-09	1.28E-09	3.90E-09	3.96E-11	5.23E-09
9786	471272.57	3820276.24	1.49E-08	5.78E-08	7.66E-10	7.35E-08	1.24E-08	4.25E-08	5.50E-10	5.54E-08	1.41E-09	7.44E-09	1.31E-10	8.98E-09	1.28E-09	3.90E-09	3.95E-11	5.22E-09
9787	471268.8	3820285.09	1.49E-08	5.77E-08	7.64E-10	7.33E-08	1.24E-08	4.24E-08	5.49E-10	5.53E-08	1.40E-09	7.43E-09	1.30E-10	8.96E-09	1.28E-09	3.89E-09	3.94E-11	5.21E-09
9788	471265.04	3820293.94	1.48E-08	5.76E-08	7.62E-10	7.32E-08	1.24E-08	4.23E-08	5.47E-10	5.52E-08	1.40E-09	7.41E-09	1.30E-10	8.94E-09	1.27E-09	3.88E-09	3.93E-11	5

9789	471261.27	3820302.79	1.48E-08	5.74E-08	7.61E-10	7.30E-08	1.23E-08	4.22E-08	5.46E-10	5.51E-08	1.40E-09	7.39E-09	1.30E-10	8.92E-09	1.27E-09	3.87E-09	3.92E-11	5.18E-09
9790	471257.5	3820311.63	1.48E-08	5.73E-08	7.59E-10	7.28E-08	1.23E-08	4.21E-08	5.45E-10	5.49E-08	1.39E-09	7.37E-09	1.29E-10	8.90E-09	1.27E-09	3.86E-09	3.91E-11	5.17E-09
9791	471253.73	3820320.48	1.47E-08	5.71E-08	7.57E-10	7.26E-08	1.23E-08	4.20E-08	5.43E-10	5.48E-08	1.39E-09	7.35E-09	1.29E-10	8.87E-09	1.26E-09	3.85E-09	3.90E-11	5.15E-09
9792	471249.97	3820329.33	1.47E-08	5.70E-08	7.55E-10	7.24E-08	1.22E-08	4.19E-08	5.42E-10	5.46E-08	1.39E-09	7.33E-09	1.29E-10	8.85E-09	1.26E-09	3.84E-09	3.89E-11	5.14E-09
9793	471246.2	3820338.17	1.47E-08	5.68E-08	7.53E-10	7.22E-08	1.22E-08	4.17E-08	5.40E-10	5.45E-08	1.38E-09	7.31E-09	1.28E-10	8.83E-09	1.26E-09	3.83E-09	3.88E-11	5.13E-09
9794	471242.43	3820347.02	1.46E-08	5.66E-08	7.50E-10	7.20E-08	1.22E-08	4.16E-08	5.39E-10	5.43E-08	1.38E-09	7.29E-09	1.28E-10	8.80E-09	1.25E-09	3.82E-09	3.87E-11	5.11E-09
9795	471238.66	3820355.87	1.46E-08	5.65E-08	7.48E-10	7.18E-08	1.21E-08	4.15E-08	5.37E-10	5.42E-08	1.38E-09	7.27E-09	1.28E-10	8.77E-09	1.25E-09	3.81E-09	3.86E-11	5.10E-09
9796	471234.89	3820364.72	1.45E-08	5.63E-08	7.46E-10	7.16E-08	1.21E-08	4.14E-08	5.35E-10	5.40E-08	1.37E-09	7.25E-09	1.27E-10	8.75E-09	1.25E-09	3.80E-09	3.85E-11	5.08E-09
9797	471231.13	3820373.56	1.45E-08	5.61E-08	7.44E-10	7.13E-08	1.21E-08	4.12E-08	5.34E-10	5.38E-08	1.37E-09	7.23E-09	1.27E-10	8.72E-09	1.24E-09	3.78E-09	3.84E-11	5.06E-09
9798	471227.36	3820382.41	1.44E-08	5.59E-08	7.41E-10	7.11E-08	1.20E-08	4.11E-08	5.32E-10	5.36E-08	1.36E-09	7.20E-09	1.26E-10	8.69E-09	1.24E-09	3.77E-09	3.82E-11	5.05E-09
9799	471223.59	3820391.26	1.44E-08	5.57E-08	7.39E-10	7.09E-08	1.20E-08	4.10E-08	5.30E-10	5.35E-08	1.36E-09	7.18E-09	1.26E-10	8.66E-09	1.23E-09	3.76E-09	3.81E-11	5.03E-09
9800	471219.82	3820400.1	1.43E-08	5.55E-08	7.36E-10	7.06E-08	1.19E-08	4.08E-08	5.28E-10	5.33E-08	1.35E-09	7.15E-09	1.26E-10	8.63E-09	1.23E-09	3.74E-09	3.80E-11	5.01E-09
9801	471207.13	3820412.52	1.43E-08	5.56E-08	7.37E-10	7.07E-08	1.19E-08	4.09E-08	5.29E-10	5.34E-08	1.35E-09	7.16E-09	1.26E-10	8.64E-09	1.23E-09	3.75E-09	3.80E-11	5.02E-09
9802	471198.2	3820416.09	1.44E-08	5.59E-08	7.41E-10	7.11E-08	1.20E-08	4.11E-08	5.32E-10	5.36E-08	1.36E-09	7.20E-09	1.26E-10	8.69E-09	1.24E-09	3.77E-09	3.82E-11	5.05E-09
9803	471189.27	3820419.65	1.45E-08	5.62E-08	7.45E-10	7.15E-08	1.21E-08	4.13E-08	5.35E-10	5.39E-08	1.37E-09	7.24E-09	1.27E-10	8.73E-09	1.24E-09	3.79E-09	3.84E-11	5.07E-09
9804	471180.34	3820423.22	1.46E-08	5.65E-08	7.49E-10	7.18E-08	1.21E-08	4.15E-08	5.37E-10	5.42E-08	1.38E-09	7.27E-09	1.28E-10	8.78E-09	1.25E-09	3.81E-09	3.86E-11	5.10E-09
9805	471171.41	3820426.79	1.46E-08	5.68E-08	7.52E-10	7.22E-08	1.22E-08	4.17E-08	5.40E-10	5.45E-08	1.38E-09	7.31E-09	1.28E-10	8.82E-09	1.26E-09	3.83E-09	3.88E-11	5.12E-09
9806	471162.48	3820430.36	1.47E-08	5.71E-08	7.56E-10	7.25E-08	1.23E-08	4.19E-08	5.43E-10	5.47E-08	1.39E-09	7.34E-09	1.29E-10	8.86E-09	1.26E-09	3.85E-09	3.90E-11	5.15E-09
9807	471153.55	3820433.92	1.48E-08	5.73E-08	7.59E-10	7.29E-08	1.23E-08	4.21E-08	5.45E-10	5.50E-08	1.40E-09	7.38E-09	1.30E-10	8.90E-09	1.27E-09	3.86E-09	3.92E-11	5.17E-09
9808	471144.62	3820437.49	1.49E-08	5.76E-08	7.63E-10	7.32E-08	1.24E-08	4.23E-08	5.48E-10	5.52E-08	1.40E-09	7.41E-09	1.30E-10	8.95E-09	1.27E-09	3.88E-09	3.94E-11	5.20E-09
9809	471135.69	3820441.06	1.49E-08	5.79E-08	7.67E-10	7.35E-08	1.24E-08	4.25E-08	5.50E-10	5.55E-08	1.41E-09	7.45E-09	1.31E-10	8.99E-09	1.28E-09	3.90E-09	3.95E-11	5.22E-09
9810	471126.76	3820444.63	1.50E-08	5.81E-08	7.70E-10	7.39E-08	1.25E-08	4.27E-08	5.53E-10	5.57E-08	1.41E-09	7.48E-09	1.31E-10	9.03E-09	1.29E-09	3.92E-09	3.97E-11	5.24E-09
9811	471117.83	3820448.2	1.51E-08	5.84E-08	7.73E-10	7.42E-08	1.25E-08	4.29E-08	5.55E-10	5.60E-08	1.42E-09	7.51E-09	1.32E-10	9.07E-09	1.29E-09	3.93E-09	3.99E-11	5.27E-09
9812	471108.9	3820451.76	1.51E-08	5.86E-08	7.76E-10	7.45E-08	1.26E-08	4.31E-08	5.57E-10	5.62E-08	1.43E-09	7.54E-09	1.32E-10	9.10E-09	1.30E-09	3.95E-09	4.01E-11	5.29E-09
9813	471099.97	3820455.33	1.52E-08	5.89E-08	7.80E-10	7.48E-08	1.26E-08	4.33E-08	5.60E-10	5.65E-08	1.43E-09	7.58E-09	1.33E-10	9.14E-09	1.30E-09	3.97E-09	4.02E-11	5.31E-09
9814	471091.04	3820458.9	1.52E-08	5.91E-08	7.83E-10	7.51E-08	1.27E-08	4.34E-08	5.62E-10	5.67E-08	1.44E-09	7.61E-09	1.34E-10	9.18E-09	1.31E-09	3.98E-09	4.04E-11	5.33E-09
9815	471082.11	3820462.47	1.53E-08	5.93E-08	7.86E-10	7.54E-08	1.27E-08	4.36E-08	5.64E-10	5.69E-08	1.44E-09	7.64E-09	1.34E-10	9.22E-09	1.31E-09	4.00E-09	4.06E-11	5.35E-09
9816	471073.18	3820466.03	1.54E-08	5.96E-08	7.89E-10	7.57E-08	1.28E-08	4.38E-08	5.66E-10	5.71E-08	1.45E-09	7.67E-09	1.35E-10	9.25E-09	1.32E-09	4.02E-09	4.07E-11	5.37E-09
9817	471064.25	3820469.6	1.54E-08	5.98E-08	7.92E-10	7.60E-08	1.28E-08	4.39E-08	5.69E-10	5.74E-08	1.46E-09	7.70E-09	1.35E-10	9.29E-09	1.32E-09	4.03E-09	4.09E-11	5.40E-09
9818	471055.32	3820473.17	1.55E-08	6.00E-08	7.95E-10	7.63E-08	1.29E-08	4.41E-08	5.71E-10	5.76E-08	1.46E-09	7.73E-09	1.36E-10	9.33E-09	1.33E-09	4.05E-09	4.10E-11	5.42E-09
9819	471046.4	3820476.74	1.55E-08	6.03E-08	7.99E-10	7.66E-08	1.30E-08	4.43E-08	5.73E-10	5.78E-08	1.47E-09	7.76E-09	1.36E-10	9.37E-09	1.33E-09	4.06E-09	4.12E-11	5.44E-09
9820	471037.47	3820480.31	1.56E-08	6.05E-08	8.02E-10	7.70E-08	1.30E-08	4.45E-08	5.76E-10	5.81E-08	1.47E-09	7.79E-09	1.37E-10	9.40E-09	1.34E-09	4.08E-09	4.14E-11	5.46E-09
9821	471028.54	3820483.87	1.57E-08	6.08E-08	8.05E-10	7.73E-08	1.31E-08	4.47E-08	5.78E-10	5.83E-08	1.48E-09	7.83E-09	1.37E-10	9.44E-09	1.35E-09	4.10E-09	4.16E-11	5.48E-09
9822	471019.61	3820487.44	1.57E-08	6.10E-08	8.09E-10	7.76E-08	1.31E-08	4.49E-08	5.81E-10	5.85E-08	1.49E-09	7.86E-09	1.38E-10	9.48E-09	1.35E-09	4.11E-09	4.17E-11	5.51E-09
9823	471010.68	3820491.01	1.58E-08	6.13E-08	8.12E-10	7.80E-08	1.32E-08	4.51E-08	5.83E-10	5.88E-08	1.49E-09	7.89E-09	1.39E-10	9.53E-09	1.36E-09	4.13E-09	4.19E-11	5.53E-09
9824	470974.96	3820505.28	1.61E-08	6.25E-08	8.28E-10	7.95E-08	1.34E-08	4.59E-08	5.94E-10	6.00E-08	1.52E-09	8.05E-09	1.41E-10	9.71E-09	1.38E-09	4.21E-09	4.27E-11	5.64E-09
9825	470966.03	3820508.85	1.62E-08	6.28E-08	8.32E-10	7.99E-08	1.35E-08	4.62E-08	5.98E-10	6.03E-08	1.53E-09	8.09E-09	1.42E-10	9.76E-09	1.39E-09	4.24E-09	4.30E-11	5.67E-09
9826	470957.1	3820512.42	1.63E-08	6.32E-08	8.37E-10	8.03E-08	1.36E-08	4.64E-08	6.01E-10	6.06E-08	1.54E-09	8.13E-09	1.43E-10	9.82E-09	1.40E-09	4.26E-09	4.32E-11	5.70E-09
9827	470948.17	3820515.98	1.64E-08	6.35E-08	8.42E-10	8.08E-08	1.36E-08	4.67E-08	6.04E-10	6.09E-08	1.55E-09	8.18E-09	1.44E-10	9.87E-09	1.41E-09	4.28E-09	4.34E-11	5.73E-09
9828	470939.24	3820519.55	1.65E-08	6.39E-08	8.47E-10	8.13E-08	1.37E-08	4.70E-08	6.08E-10	6.13E-08	1.56E-09	8.23E-09	1.44E-10	9.93E-09	1.41E-09	4.31E-09	4.37E-11	5.77E-09
9829	470930.31	3820523.12	1.66E-08	6.43E-08	8.52E-10	8.18E-08	1.38E-08	4.73E-08	6.12E-10	6.17E-08	1.57E-09	8.28E-09	1.45E-10	9.99E-09	1.42E-09	4.34E-09	4.40E-11	5.80E-09
9830	470921.38	3820526.69	1.67E-08	6.47E-08	8.58E-10	8.23E-08	1.39E-08	4.76E-08	6.16E-10	6.21E-08	1.58E-09	8.33E-09	1.46E-10	1.01E-08	1.43E-09	4.36E-09	4.42E-11	5.84E-09
9831	470849.95	3820555.23	1.77E-08	6.87E-08	9.11E-10	8.74E-08	1.48E-08	5.05E-08	6.54E-10	6.59E-08	1.67E-09	8.85E-09	1.55E-10	1.07E-08	1.52E-09	4.63E-09	4.70E-11	6.20E-09
9832	470841.02	3820558.8	1.79E-08	6.93E-08	9.18E-10	8.81E-08	1.49E-08	5.09E-08	6.59E-10	6.65E-08	1.69E-09	8.92E-09	1.57E-10	1.08E-08	1.53E-09	4.67E-09	4.74E-11	6.25E-09
9833	470832.09	3820562.36	1.80E-08	6.99E-08	9.27E-10	8.89E-08	1.50E-08	5.14E-08	6.65E-10	6.71E-08	1.70E-09	9.00E-09	1.58E-10	1.09E-08	1.55E-09	4.71E-09	4.78E-11	6.31E-09
9834	470823.16	3820565.93	1.82E-08	7.06E-08	9.35E-10	8.97E-08	1.52E-08	5.19E-08	6.71E-10	6.77E-08	1.72E-09	9.09E-09	1.60E-10	1.10E-08	1.56E-09	4.76E-09	4.83E-11	6.37E-09
9835	470814.23	3820569.5	1.84E-08	7.12E-08	9.44E-10	9.06E-08	1.53E-08	5.24E-08	6.77E-10	6.83E-08	1.73E-09	9.17E-09	1.61E-10	1.11E-08	1.58E-09	4.80E-09	4.87E-11	6.43E-09
9836	470805.3	3820573.07	1.85E-08	7.19E-08	9.52E-10	9.14E-08	1.54E-08	5.28E-08	6.84E-10	6.90E-08	1.75E-09	9.25E-09	1.62E-10	1.12E-08	1.59E-09	4.85E-09	4.91E-11	6.49E-09
9837	470796.37	3820576.63	1.87E-08	7.26E-08	9.61E-10	9.22E-08	1.56E-08	5.33E-08	6.90E-10	6.96E-08	1.77E-09	9.34E-09	1.64E-10	1.13E-08	1.61E-09	4.89E-09	4.96E-11	6.55E-09
9838	470787.44	3820580.2	1.89E-08	7.33E-08	9.71E-10	9.31E-08	1.57E-08	5.38E-08	6.97E-10	7.03E-08	1.78E-09	9.43E-09	1.66E-10	1.14E-08	1.62E-09	4.94E-09	5.01E-11	6.61E-09
9839	470778.51	3820583.77	1.91E-08	7.40E-08	9.80E-10	9.40E-08	1.59E-08	5.43E-08	7.03E-10	7.09E-08	1.80E-09	9.52E-09	1.67E-10	1.15E-08	1.64E-09	4.98E-09	5.05E-11	6.67E-09
9840	470769.58	3820587.34	1.92E-08	7.46E-08	9.89E-10	9.49E-08	1.60E-08	5.48E-08	7.10E-10	7.16E-08	1.82E-09	9.61E-09	1.69E-10	1.16E-08	1.65E-09	5.03E-09	5.10E-11	6.73E-09
9841	470760.65	3820590.91	1.94E-08	7.53E-08	9.98E-10	9.58E-08	1.62E-08	5.54E-08	7.16E-10	7.23E-08	1.83E-09	9.70E-09	1.70E-10	1.17E-08	1.67E-09	5.08E-09	5.15E-11	6.80E-09
9842	470751.72	3820594.47	1.96E-08	7.60E-08	1.01E-09	9.66E-08	1.63E-08	5.59E-08	7.23E-10	7.29E-08	1.85E-09	9.79E-09	1.72E-10	1.18E-08	1.68E-09	5.12E-09	5.20E-11	6.86E-09
9843	470742.79	3820598.04	1.98E-08	7.67E-08	1.02E-09	9.75E-08	1.65E-08	5.64E-08	7.29E-10	7.36E-08	1.87E-09	9.87E-09	1.73E-10	1.19E-08	1.70E-09	5.17E-09	5.24E-11	6.92E-09
9844	470733.86	3820601.61	2.00E-08	7.74E-08	1.03E-09	9.84E-08	1.66E-08	5.69E-08	7.36E-10	7.43E-08	1.89E-09	9.97E-09	1.75E-10	1.20E-08	1.71E-09	5.22E-09	5.29E-11	6.98E-09
9845	470724.93	3820605.18	2.02E-08	7.82E-08	1.04E-09	9.94E-08	1.68E-08	5.74E-08	7.43E-10	7.50E-08	1.90E-09	1.01E-08	1.77E-10	1.21E-08	1.73E-09	5.27E-09	5.34E-11	7.05E-09
9846	470716	3820608.74	2.03E-08	7.89E-08	1.05E-09	1.00E-07	1.69E-08	5.80E-08	7.50E-10	7.57E-08	1.92E-09	1.02E-08	1.78E-10	1.23E-08	1.75E-09	5.32E-09	5.39E-11	7.12E-09
9847	470707.07	3820612.31	2.05E-08	7.97E-08	1.06E-09	1.01E-07	1.71E-08	5.86E-08	7.58E-10	7.64E-08	1.94E-09	1.03E-08	1.80E-10	1.24E-08	1.76E-09	5.37E-09	5.45E-11	7.19E-09
9848	470698.14	3820615.88	2.07E-08	8.05E-08	1.07E-09	1.02E-07	1.73E-08	5.91E-08	7.65E-10	7.72E-08	1.96E-09	1.04E-08	1.82E-10	1.25E-08	1.78E-09	5.42E-09	5.50E-11	7.26E-09
9849	470689.21	3820619.45	2.09E-08	8.12E-08	1.08E-09	1.03E-07	1.74E-08	5.97E-08	7.72E-10	7.79E-08	1.98E-09	1.05E-08	1.83E-10	1.26E-08	1.80E-09	5.47E-09	5.55E-11	7.33E-09
9850	470680.28	3820623.02	2.11E-08	8.19E-08	1.09E-09	1.04E-07	1.76E-08	6.02E-08	7.79E-10	7.86E-08	2.00E-09	1.05E-08	1.85E-10	1.27E-08	1.81E-09	5.52E-09	5.60E-11	7.39E-09
9851	470671.36	3820626.58	2.13E-08	8.26E-08	1.09E-09	1.05E-07	1.77E-08	6.07E-08	7.86E-10	7.93E-08	2.01E-09	1.06E-08	1.87E-10	1.28E-08	1.83E-09	5.57E-09	5.65E-11	7.46E-09
9852	470662.43	3820630.15	2.15E-08	8.33E-08	1.10E-09	1.06E-07	1.79E-08	6.12E-08	7.92E-10	7.99E-08	2.03E-09	1.07E-08	1.88E-10	1.29E-08	1.84E-09	5.62E-09	5.69E-11	7.52E-09
9853	470653.5	3820633.72	2.16E-08	8.40E-08	1.11E-09	1.07E-07	1.80E-08	6.17E-08	7.98E-10	8.05E-08	2.04E-09	1.08E-08	1.90E-10	1.30E-08	1.86E-09	5.66E-09	5.74E-11	7.58E-09
9854	470644.57	3820637.29	2.18E-08	8.46E-08	1.12E-09	1.08E-07	1.82E-08	6.22E-08	8.04E-10	8.11E-08	2.06E-09	1.09E-08	1.91E-10	1.31E-08	1.87E-09	5.70E-09	5.78E-11	7.63E-09
9855	470635.64	3820640.85	2.20E-08	8.52E-08	1.13E-09	1.08E-07	1.83E-08	6.26E-08	8.10E-10	8.17E-08	2.07E-09	1.10E-08	1.93E-10	1.32E-08	1.89E-09	5.74E-09	5.83E-11	7.69E-09
9856	470626.71	3820644.42	2.21E-08	8.58E-08	1.14E-09	1.09E-07	1.84E-08	6.31E-08	8.16E-10	8.23E-08	2.09E-09	1.10E-08	1.94E-10	1.33E-08	1.90E-09	5.78E-09	5.87E-11	7.74E-09
9857	470617.78	3820647.99	2.23E-08	8.64E-08	1.14E-09	1.10E-07	1.86E-08	6.35E-08	8.22E-10	8.29E-08	2.10E-09	1.11E-08	1.95E-10	1.34E-08	1.91E-09	5.82E-09	5.91E-11	7.80E-09
9858	470608.85	3820651.56	2.24E-08	8.70E-08	1.15E-09	1.11E-07	1.87E-08	6.39E-08	8.27E-10	8.34E-08	2.12E-09	1.12E-08	1.96E-10	1.35E-08	1.92E-09	5.86E-09	5.94E-11	7.85E-09
9859	470599.92	3820655.13	2.26E-08	8.75E-08	1.16E-09	1.11E-07	1.88E-08	6.43E-08	8.32E-10	8.39E-08	2.13E-09	1.13E-08	1.98E-10	1.36E-08	1.94E-09	5.90E-09	5.98E-11	7.89E-09
9860	470590.99	3820658.69	2.27E-08	8.80E-08	1.17E-09	1.12E-07	1.89E-08	6.47E-08	8.37E-10	8.44E-08	2.14E-09	1.13E-08	1.99E-10	1.37E-08	1.95E-09	5.93E-09	6.01E-11	7.94E-09
9861	470582.06	3820662.26	2.28E-08	8.85E-08	1.17E-09	1.12E-07	1.90E-08	6.50E-08	8.41E-10	8.49E-08	2.15E-09	1.14E-08	2.00E-10	1.37E-08	1.96E-09	5.96E-09	6.05E-11	7.98E-09
9862	470573.13	3820665.83	2.29E-08	8.90E-08	1.18E-09	1.13E-07	1.91E-08	6.54E-08	8.46E-10	8.53E-08	2.17E-09	1.15E-08	2.01E-10	1.38E-08	1.97E-09	6.00E-09	6.08E-11	8.03E-09
9863	470564.2	3820669.4	2.31E-08	8.95E-08	1.19E-09	1.14E-07	1.92E-08	6.57E-08	8.51E-10	8.58E-08	2.18E-09	1.15E-08	2.02E-10	1.39E-08	1.98E-09	6.03E-09	6.12E-11	8.07E-09
9864	470555.27	3820672.96	2.32E-08	8.99E-08	1.19E-09	1.14E-07	1.93E-08	6.61E-08	8.55E-10	8.62E-08	2.19E-09	1.16E-08	2.03E-10	1.40E-08	1.99E-09	6.06E-09	6.15E-11	8.11E-09
9865	470546.34	3820676.53	2.33E-08	9.04E-08	1.20E-09	1.15E-07	1.94E-08	6.64E-08	8.59E-10	8.67E-08	2.20E-09	1.16E-08	2.04E-10	1.40E-08	2.00E-09	6.09E-09	6.18E-11	8.15E-09
9866	470537.41	3820680.1	2.34E-08	9.07E-08	1.20E-09	1.15E-07	1.95E-08	6.67E-08	8.63E-10	8.70E-08	2.21E-09	1.17E-08	2.05E-10	1.41E-08	2.01E-09	6.12E-09	6.20E-11	8.19E-09
9867	470528.48	3820683.67	2.35E-08	9.11E-08	1.21E-09	1.16E-07	1.96E-08	6.69E-08	8.66E-10	8.73E-08	2.22E-09	1.17E-08	2.06E-10	1.41E-08	2.02E-09	6.14E-09	6.22E-11	8.22E-09
9868	470519.55	3820687.24	2.35E-08	9.13E-08	1.21E-09	1.16E-07	1.96E-08	6.71E-08	8.68E-10	8.76E-08	2.22E-09	1.18E-08	2.06E-10	1.42E-08	2.02E-09	6.16E-09	6.24E-11	8.24E-09
9869	470510.62	3820690.8	2.36E-08	9.16E-08	1.21E-09	1.16E-07	1.97E-08	6.73E-08	8.71E-10	8.78E-08	2.23E-09	1.18E-08	2.07E-10	1.42E-08	2.03E-09	6.17E-09	6.26E-11	8.26E-09
9870	470501.69	3820694.37	2.37E-08	9.18E-08	1.22E-09	1.17E-07	1.97E-08	6.74E-08	8.73E-10	8.80E-08	2.23E-09	1.18E-08	2.07E-10	1.43E-08	2.03E-09	6.19E-09	6.27E-11	8.28E-09
9871	470492.76	3820697.94	2.37E-08	9.19E-08	1.22E-09	1.17E-07	1.97E-08	6.75E-08	8.74E-10	8.82E-08	2.24E-09	1.18E-08	2.08E-10	1.43E-08	2.03E-09	6.20E-09	6.28E-11	8.29E-09
9872	470483.84	3820701.51	2.37E-08	9.20E-08	1.22E-09	1.17E-07	1.98E-08	6.76E-08	8.75E-10	8.83E-08	2.24E-09	1.18E-08	2.08E-10	1.43E-08	2.04E-09	6.20E-09	6.29E-11	8.30E-09
9873	470474.91	3820705.07	2.38E-08	9.21E-08	1.22E-09	1.17E-07	1.98E-08	6.77E-08	8.76E-10	8.84E-08	2.24E-09	1.19E-08	2.08E-10	1.43E-08	2.04E-09	6.21E-09	6.30E-11	8.31E-09
9874	470465.98	3820708.64	2.38E-08	9.23E-08	1.22E-09	1.17E-07	1.98E-08	6.78E-08	8.77E-10	8.85E-08	2.25E-09	1.19E-08	2.08E-10	1.43E-08	2.04E-09	6.22E-09	6.31E-11	8.32E-09
9875	470457.05	3820712.21	2.38E-08	9.24E-08	1.22E-09	1.17E-07	1.98E-08	6.79E-08	8.79E-10	8.86E-08	2.25E-09	1.19E-08	2.09E-10	1.44E-08	2.05E-09	6.23E-09	6.32E-11	8.34E-09
9876	470448.12	3820715.78	2.39E-08	9.26E-08	1.23E-09	1.18E-07	1.99E-08	6.80E-08	8.80E-10	8.88E-08	2.25E-09	1.19E-08	2.09E-10	1.44E-08	2.05E-09	6.24E-09	6.33E-11	8.35E-09
9877	470439.19	3820719.35	2.39E-08	9.27E-08	1.23E-09	1.18E-07	1.99E-08	6.81E-08	8.82E-10	8.89E-08	2.26E-09	1.19E-08	2.09E-10	1.44E-08	2.05E-09	6.25E-09	6.34E-11	8.36E-09
9878	470430.26	3820722.91	2.39E-08	9.28E-08	1.23E-09	1.18E-07	1.99E-08	6.82E-08	8.83E-10	8.90E-08	2.26E-09	1.20E-08	2.10E-10	1.44E-08	2.05E-09	6.26E-09	6.35E-11	8.38E-09
9879	470421.33	3820726.48	2.40E-08	9.30E-08	1.23E-09	1.18E-07	2.00E-08	6.83E-08	8.84E-10	8.92E-08	2.26E-09	1.20E-08	2.10E-10	1.44E-08	2.06E-09	6.27E-09	6.35E-11	8.39E-09
9880	470412.4	3820730.05	2.40E-08	9.31E-08	1.23E-09	1.18E-07	2.00E-08	6.84E-08	8.85E-10	8.93E-08	2.27E-09	1.20E-08	2.10E-10	1.45E-08	2.06E-09	6.27E-09	6.36E-11	8.40E-09
9881	470403.47	3820733.62	2.40E-08	9.32E-08	1.24E-09	1.19E-07	2.00E-08	6.85E-08	8.87E-10	8.94E-08	2.27E-09	1.20E-08	2.11E-10	1.45E-08	2.06E-09	6.28E-09	6.37E-11	8.41E-09
9882	470394.54	3820737.18	2.41E-08	9.34E-08	1.24E-09	1.19E-07	2.01E-08	6.86E-08	8.88E-10	8.95E-08	2.27E-09	1.20E-08	2.11E-10	1.45E-08	2.07E-09	6.29E-09	6.38E-11	8.42E-09
9883	470385.61	3820740.75	2.41E-08	9.35E-08	1.24E-09	1.19E-07	2.01E-08	6.87E-08	8.89E-10	8.97E-08	2.28E-09	1.20E-08	2.11E-10	1.45E-08	2.07E-09	6.30E-09	6.39E-11	8.44E-09
9884	470376.68	3820744.32	2.42E-08	9.37E-08	1.24E-09	1.19E-07	2.01E-08	6.88E-08	8.91E-10	8.98E-08	2.28E-09	1.21E-08	2.12E-10	1.45E-08	2.07E-09	6.31E-09	6.40E-11	8.

9885	470367.75	3820747.89	2.42E-08	9.39E-08	1.24E-09	1.19E-07	2.02E-08	6.90E-08	8.93E-10	9.00E-08	2.29E-09	1.21E-08	2.12E-10	1.46E-08	2.08E-09	6.33E-09	6.42E-11	8.47E-09
9886	470358.82	3820751.45	2.43E-08	9.41E-08	1.25E-09	1.20E-07	2.02E-08	6.91E-08	8.95E-10	9.02E-08	2.29E-09	1.21E-08	2.13E-10	1.46E-08	2.08E-09	6.34E-09	6.43E-11	8.49E-09
9887	470349.89	3820755.02	2.43E-08	9.43E-08	1.25E-09	1.20E-07	2.03E-08	6.93E-08	8.97E-10	9.05E-08	2.30E-09	1.21E-08	2.13E-10	1.47E-08	2.09E-09	6.36E-09	6.45E-11	8.51E-09
9888	470340.96	3820758.59	2.44E-08	9.46E-08	1.25E-09	1.20E-07	2.03E-08	6.95E-08	8.99E-10	9.07E-08	2.30E-09	1.22E-08	2.14E-10	1.47E-08	2.09E-09	6.38E-09	6.46E-11	8.53E-09
9889	470332.03	3820762.16	2.45E-08	9.48E-08	1.26E-09	1.21E-07	2.04E-08	6.97E-08	9.02E-10	9.10E-08	2.31E-09	1.22E-08	2.14E-10	1.47E-08	2.10E-09	6.39E-09	6.48E-11	8.56E-09
9890	470323.1	3820765.73	2.45E-08	9.51E-08	1.26E-09	1.21E-07	2.04E-08	6.99E-08	9.04E-10	9.12E-08	2.32E-09	1.22E-08	2.15E-10	1.48E-08	2.11E-09	6.41E-09	6.50E-11	8.58E-09
9891	470314.17	3820769.29	2.46E-08	9.54E-08	1.26E-09	1.21E-07	2.05E-08	7.01E-08	9.07E-10	9.15E-08	2.32E-09	1.23E-08	2.15E-10	1.48E-08	2.11E-09	6.43E-09	6.52E-11	8.60E-09
9892	470305.24	3820772.86	2.47E-08	9.57E-08	1.27E-09	1.22E-07	2.05E-08	7.03E-08	9.10E-10	9.17E-08	2.33E-09	1.23E-08	2.16E-10	1.49E-08	2.12E-09	6.45E-09	6.54E-11	8.63E-09
9893	470296.32	3820776.43	2.47E-08	9.59E-08	1.27E-09	1.22E-07	2.06E-08	7.05E-08	9.12E-10	9.20E-08	2.34E-09	1.23E-08	2.17E-10	1.49E-08	2.12E-09	6.47E-09	6.56E-11	8.66E-09
9894	470287.39	3820780	2.48E-08	9.62E-08	1.27E-09	1.22E-07	2.07E-08	7.07E-08	9.15E-10	9.23E-08	2.34E-09	1.24E-08	2.17E-10	1.49E-08	2.13E-09	6.49E-09	6.58E-11	8.68E-09
9895	470278.46	3820783.56	2.49E-08	9.66E-08	1.28E-09	1.23E-07	2.07E-08	7.10E-08	9.18E-10	9.26E-08	2.35E-09	1.24E-08	2.18E-10	1.50E-08	2.14E-09	6.51E-09	6.60E-11	8.71E-09
9896	470269.53	3820787.13	2.50E-08	9.69E-08	1.28E-09	1.23E-07	2.08E-08	7.12E-08	9.22E-10	9.30E-08	2.36E-09	1.25E-08	2.19E-10	1.51E-08	2.15E-09	6.53E-09	6.62E-11	8.74E-09
9897	471619.2	3819462.32	1.27E-08	4.92E-08	6.52E-10	6.26E-08	1.06E-08	3.62E-08	4.68E-10	4.72E-08	1.20E-09	6.34E-09	1.11E-10	7.65E-09	1.09E-09	3.32E-09	3.37E-11	4.44E-09
9898	471619.28	3819452.67	1.27E-08	4.91E-08	6.51E-10	6.24E-08	1.05E-08	3.61E-08	4.67E-10	4.71E-08	1.20E-09	6.32E-09	1.11E-10	7.63E-09	1.09E-09	3.31E-09	3.36E-11	4.43E-09
9899	471619.37	3819443.02	1.26E-08	4.90E-08	6.49E-10	6.22E-08	1.05E-08	3.60E-08	4.66E-10	4.70E-08	1.19E-09	6.30E-09	1.11E-10	7.61E-09	1.08E-09	3.30E-09	3.35E-11	4.42E-09
9900	471619.45	3819433.37	1.26E-08	4.88E-08	6.47E-10	6.21E-08	1.05E-08	3.59E-08	4.64E-10	4.68E-08	1.19E-09	6.28E-09	1.10E-10	7.58E-09	1.08E-09	3.29E-09	3.34E-11	4.40E-09
9901	471619.53	3819423.73	1.25E-08	4.87E-08	6.45E-10	6.18E-08	1.04E-08	3.57E-08	4.63E-10	4.67E-08	1.18E-09	6.26E-09	1.10E-10	7.56E-09	1.08E-09	3.28E-09	3.33E-11	4.39E-09
9902	471619.61	3819414.08	1.25E-08	4.85E-08	6.42E-10	6.16E-08	1.04E-08	3.56E-08	4.61E-10	4.65E-08	1.18E-09	6.24E-09	1.10E-10	7.53E-09	1.07E-09	3.27E-09	3.31E-11	4.37E-09
9903	471619.7	3819404.43	1.25E-08	4.83E-08	6.40E-10	6.14E-08	1.04E-08	3.55E-08	4.59E-10	4.63E-08	1.18E-09	6.22E-09	1.09E-10	7.50E-09	1.07E-09	3.25E-09	3.30E-11	4.36E-09
9904	471619.78	3819394.78	1.24E-08	4.81E-08	6.37E-10	6.11E-08	1.03E-08	3.53E-08	4.57E-10	4.61E-08	1.17E-09	6.19E-09	1.09E-10	7.47E-09	1.06E-09	3.24E-09	3.29E-11	4.34E-09
9905	471619.86	3819385.13	1.23E-08	4.78E-08	6.34E-10	6.08E-08	1.03E-08	3.52E-08	4.55E-10	4.59E-08	1.17E-09	6.16E-09	1.08E-10	7.43E-09	1.06E-09	3.23E-09	3.27E-11	4.32E-09
9906	471619.95	3819375.49	1.23E-08	4.76E-08	6.31E-10	6.05E-08	1.02E-08	3.50E-08	4.53E-10	4.57E-08	1.16E-09	6.13E-09	1.08E-10	7.40E-09	1.05E-09	3.21E-09	3.25E-11	4.30E-09
9907	471620.03	3819365.84	1.22E-08	4.74E-08	6.27E-10	6.02E-08	1.02E-08	3.48E-08	4.50E-10	4.54E-08	1.15E-09	6.10E-09	1.07E-10	7.36E-09	1.05E-09	3.19E-09	3.24E-11	4.27E-09
9908	471620.11	3819356.19	1.21E-08	4.71E-08	6.24E-10	5.99E-08	1.01E-08	3.46E-08	4.48E-10	4.52E-08	1.15E-09	6.06E-09	1.06E-10	7.31E-09	1.04E-09	3.17E-09	3.22E-11	4.25E-09
9909	471620.19	3819346.54	1.21E-08	4.68E-08	6.20E-10	5.95E-08	1.01E-08	3.44E-08	4.45E-10	4.49E-08	1.14E-09	6.03E-09	1.06E-10	7.27E-09	1.04E-09	3.15E-09	3.20E-11	4.22E-09
9910	471620.28	3819336.89	1.20E-08	4.65E-08	6.16E-10	5.91E-08	9.99E-09	3.42E-08	4.42E-10	4.46E-08	1.13E-09	5.99E-09	1.05E-10	7.22E-09	1.03E-09	3.13E-09	3.18E-11	4.19E-09
9911	471620.36	3819327.24	1.19E-08	4.62E-08	6.12E-10	5.87E-08	9.92E-09	3.39E-08	4.39E-10	4.43E-08	1.12E-09	5.94E-09	1.04E-10	7.17E-09	1.02E-09	3.11E-09	3.16E-11	4.17E-09
9912	471620.44	3819317.6	1.18E-08	4.58E-08	6.07E-10	5.83E-08	9.84E-09	3.37E-08	4.36E-10	4.40E-08	1.12E-09	5.90E-09	1.04E-10	7.12E-09	1.01E-09	3.09E-09	3.13E-11	4.14E-09
9913	471620.52	3819307.95	1.17E-08	4.55E-08	6.03E-10	5.78E-08	9.77E-09	3.34E-08	4.33E-10	4.36E-08	1.11E-09	5.86E-09	1.03E-10	7.07E-09	1.01E-09	3.07E-09	3.11E-11	4.10E-09
9914	471620.61	3819298.3	1.16E-08	4.51E-08	5.98E-10	5.74E-08	9.69E-09	3.32E-08	4.29E-10	4.33E-08	1.10E-09	5.81E-09	1.02E-10	7.01E-09	9.99E-10	3.04E-09	3.08E-11	4.07E-09
9915	471620.69	3819288.65	1.15E-08	4.48E-08	5.93E-10	5.69E-08	9.61E-09	3.29E-08	4.26E-10	4.29E-08	1.09E-09	5.76E-09	1.01E-10	6.95E-09	9.91E-10	3.02E-09	3.06E-11	4.04E-09
9916	471620.77	3819279	1.14E-08	4.44E-08	5.88E-10	5.64E-08	9.53E-09	3.26E-08	4.22E-10	4.25E-08	1.08E-09	5.71E-09	1.00E-10	6.89E-09	9.82E-10	2.99E-09	3.03E-11	4.00E-09
9917	471620.86	3819269.36	1.13E-08	4.40E-08	5.83E-10	5.59E-08	9.44E-09	3.23E-08	4.18E-10	4.22E-08	1.07E-09	5.66E-09	9.93E-11	6.83E-09	9.73E-10	2.96E-09	3.01E-11	3.97E-09
9918	471620.94	3819259.71	1.12E-08	4.35E-08	5.77E-10	5.54E-08	9.35E-09	3.20E-08	4.14E-10	4.18E-08	1.06E-09	5.61E-09	9.84E-11	6.76E-09	9.64E-10	2.94E-09	2.98E-11	3.93E-09
9919	471695.45	3819471.8	1.14E-08	4.43E-08	5.87E-10	5.63E-08	9.52E-09	3.26E-08	4.21E-10	4.25E-08	1.08E-09	5.70E-09	1.00E-10	6.88E-09	9.81E-10	2.99E-09	3.03E-11	4.00E-09
9920	471691.7	3819480.6	1.15E-08	4.46E-08	5.91E-10	5.67E-08	9.58E-09	3.28E-08	4.24E-10	4.28E-08	1.09E-09	5.74E-09	1.01E-10	6.93E-09	9.87E-10	3.01E-09	3.05E-11	4.02E-09
9921	471687.96	3819489.4	1.16E-08	4.49E-08	5.95E-10	5.71E-08	9.65E-09	3.30E-08	4.27E-10	4.31E-08	1.09E-09	5.78E-09	1.01E-10	6.98E-09	9.94E-10	3.03E-09	3.07E-11	4.05E-09
9922	471684.21	3819498.2	1.17E-08	4.52E-08	5.99E-10	5.75E-08	9.71E-09	3.32E-08	4.30E-10	4.34E-08	1.10E-09	5.82E-09	1.02E-10	7.02E-09	1.00E-09	3.05E-09	3.09E-11	4.08E-09
9923	471680.46	3819507	1.17E-08	4.55E-08	6.03E-10	5.78E-08	9.77E-09	3.34E-08	4.33E-10	4.36E-08	1.11E-09	5.86E-09	1.03E-10	7.07E-09	1.01E-09	3.07E-09	3.11E-11	4.11E-09
9924	471676.71	3819515.8	1.18E-08	4.58E-08	6.07E-10	5.82E-08	9.83E-09	3.36E-08	4.35E-10	4.39E-08	1.11E-09	5.89E-09	1.03E-10	7.11E-09	1.01E-09	3.09E-09	3.13E-11	4.13E-09
9925	471672.97	3819524.6	1.19E-08	4.61E-08	6.10E-10	5.86E-08	9.89E-09	3.39E-08	4.38E-10	4.42E-08	1.12E-09	5.93E-09	1.04E-10	7.16E-09	1.02E-09	3.11E-09	3.15E-11	4.16E-09
9926	471669.22	3819533.4	1.20E-08	4.64E-08	6.14E-10	5.89E-08	9.96E-09	3.41E-08	4.41E-10	4.45E-08	1.13E-09	5.97E-09	1.05E-10	7.20E-09	1.03E-09	3.12E-09	3.17E-11	4.18E-09
9927	471665.47	3819542.2	1.20E-08	4.66E-08	6.18E-10	5.93E-08	1.00E-08	3.43E-08	4.43E-10	4.47E-08	1.14E-09	6.00E-09	1.05E-10	7.24E-09	1.03E-09	3.14E-09	3.19E-11	4.21E-09
9928	471661.72	3819551	1.21E-08	4.69E-08	6.21E-10	5.96E-08	1.01E-08	3.45E-08	4.46E-10	4.50E-08	1.14E-09	6.04E-09	1.06E-10	7.29E-09	1.04E-09	3.16E-09	3.21E-11	4.23E-09
9929	471657.98	3819559.8	1.22E-08	4.72E-08	6.25E-10	6.00E-08	1.01E-08	3.47E-08	4.49E-10	4.52E-08	1.15E-09	6.07E-09	1.07E-10	7.33E-09	1.04E-09	3.18E-09	3.22E-11	4.26E-09
9930	471654.23	3819568.6	1.22E-08	4.74E-08	6.28E-10	6.03E-08	1.02E-08	3.48E-08	4.51E-10	4.55E-08	1.15E-09	6.10E-09	1.07E-10	7.37E-09	1.05E-09	3.20E-09	3.24E-11	4.28E-09
9931	471650.48	3819577.4	1.23E-08	4.77E-08	6.32E-10	6.06E-08	1.02E-08	3.50E-08	4.54E-10	4.57E-08	1.16E-09	6.14E-09	1.08E-10	7.41E-09	1.06E-09	3.21E-09	3.26E-11	4.30E-09
9932	471646.73	3819586.2	1.24E-08	4.79E-08	6.35E-10	6.09E-08	1.03E-08	3.52E-08	4.56E-10	4.60E-08	1.17E-09	6.17E-09	1.08E-10	7.45E-09	1.06E-09	3.23E-09	3.28E-11	4.33E-09
9933	471642.99	3819595	1.24E-08	4.82E-08	6.39E-10	6.13E-08	1.04E-08	3.54E-08	4.58E-10	4.62E-08	1.17E-09	6.21E-09	1.09E-10	7.49E-09	1.07E-09	3.25E-09	3.30E-11	4.35E-09
9934	471635.49	3819612.6	1.26E-08	4.87E-08	6.45E-10	6.19E-08	1.05E-08	3.58E-08	4.63E-10	4.67E-08	1.19E-09	6.27E-09	1.10E-10	7.57E-09	1.08E-09	3.28E-09	3.33E-11	4.40E-09
9935	471631.74	3819621.4	1.26E-08	4.90E-08	6.49E-10	6.23E-08	1.05E-08	3.60E-08	4.66E-10	4.70E-08	1.19E-09	6.30E-09	1.11E-10	7.61E-09	1.08E-09	3.30E-09	3.35E-11	4.42E-09
9936	471628	3819630.2	1.27E-08	4.92E-08	6.52E-10	6.26E-08	1.06E-08	3.62E-08	4.68E-10	4.72E-08	1.20E-09	6.34E-09	1.11E-10	7.65E-09	1.09E-09	3.32E-09	3.36E-11	4.44E-09
9937	471624.25	3819639	1.28E-08	4.95E-08	6.55E-10	6.29E-08	1.06E-08	3.64E-08	4.70E-10	4.74E-08	1.20E-09	6.37E-09	1.12E-10	7.68E-09	1.09E-09	3.33E-09	3.38E-11	4.46E-09
9938	471620.5	3819647.8	1.28E-08	4.97E-08	6.59E-10	6.32E-08	1.07E-08	3.65E-08	4.73E-10	4.77E-08	1.21E-09	6.40E-09	1.12E-10	7.72E-09	1.10E-09	3.35E-09	3.40E-11	4.48E-09
9939	471616.75	3819656.59	1.29E-08	5.00E-08	6.62E-10	6.35E-08	1.07E-08	3.67E-08	4.75E-10	4.79E-08	1.22E-09	6.43E-09	1.13E-10	7.76E-09	1.11E-09	3.37E-09	3.42E-11	4.51E-09
9940	471613.01	3819665.39	1.29E-08	5.02E-08	6.65E-10	6.38E-08	1.08E-08	3.69E-08	4.77E-10	4.81E-08	1.22E-09	6.46E-09	1.13E-10	7.80E-09	1.11E-09	3.38E-09	3.43E-11	4.53E-09
9941	471609.26	3819674.19	1.30E-08	5.04E-08	6.68E-10	6.41E-08	1.08E-08	3.71E-08	4.80E-10	4.84E-08	1.23E-09	6.49E-09	1.14E-10	7.84E-09	1.12E-09	3.40E-09	3.45E-11	4.55E-09
9942	471605.51	3819682.99	1.31E-08	5.07E-08	6.71E-10	6.44E-08	1.09E-08	3.72E-08	4.82E-10	4.86E-08	1.23E-09	6.52E-09	1.15E-10	7.87E-09	1.12E-09	3.42E-09	3.46E-11	4.57E-09
9943	471601.76	3819691.79	1.31E-08	5.09E-08	6.75E-10	6.47E-08	1.09E-08	3.74E-08	4.84E-10	4.88E-08	1.24E-09	6.56E-09	1.15E-10	7.91E-09	1.13E-09	3.43E-09	3.48E-11	4.59E-09
9944	471598.02	3819700.59	1.32E-08	5.11E-08	6.78E-10	6.50E-08	1.10E-08	3.76E-08	4.86E-10	4.91E-08	1.25E-09	6.58E-09	1.16E-10	7.95E-09	1.13E-09	3.45E-09	3.50E-11	4.61E-09
9945	471594.27	3819709.39	1.33E-08	5.14E-08	6.81E-10	6.53E-08	1.10E-08	3.78E-08	4.89E-10	4.93E-08	1.25E-09	6.62E-09	1.16E-10	7.98E-09	1.14E-09	3.46E-09	3.51E-11	4.64E-09
9946	471590.52	3819718.19	1.33E-08	5.16E-08	6.84E-10	6.56E-08	1.11E-08	3.79E-08	4.91E-10	4.95E-08	1.26E-09	6.64E-09	1.17E-10	8.02E-09	1.14E-09	3.48E-09	3.53E-11	4.66E-09
9947	471586.77	3819726.99	1.34E-08	5.19E-08	6.87E-10	6.59E-08	1.11E-08	3.81E-08	4.93E-10	4.97E-08	1.26E-09	6.67E-09	1.17E-10	8.05E-09	1.15E-09	3.50E-09	3.54E-11	4.68E-09
9948	471583.03	3819735.79	1.34E-08	5.21E-08	6.90E-10	6.62E-08	1.12E-08	3.83E-08	4.95E-10	4.99E-08	1.27E-09	6.70E-09	1.18E-10	8.09E-09	1.15E-09	3.51E-09	3.56E-11	4.70E-09
9949	471579.28	3819744.59	1.35E-08	5.23E-08	6.93E-10	6.65E-08	1.12E-08	3.84E-08	4.97E-10	5.02E-08	1.27E-09	6.73E-09	1.18E-10	8.12E-09	1.16E-09	3.52E-09	3.57E-11	4.72E-09
9950	471575.53	3819753.39	1.35E-08	5.25E-08	6.96E-10	6.68E-08	1.13E-08	3.86E-08	4.99E-10	5.04E-08	1.28E-09	6.76E-09	1.19E-10	8.16E-09	1.16E-09	3.54E-09	3.59E-11	4.74E-09
9951	471571.78	3819762.19	1.36E-08	5.27E-08	6.99E-10	6.70E-08	1.13E-08	3.87E-08	5.01E-10	5.06E-08	1.28E-09	6.79E-09	1.19E-10	8.19E-09	1.17E-09	3.55E-09	3.60E-11	4.76E-09
9952	471568.04	3819770.99	1.37E-08	5.29E-08	7.01E-10	6.73E-08	1.14E-08	3.89E-08	5.03E-10	5.08E-08	1.29E-09	6.81E-09	1.20E-10	8.22E-09	1.17E-09	3.57E-09	3.62E-11	4.78E-09
9953	471564.29	3819779.79	1.37E-08	5.31E-08	7.04E-10	6.75E-08	1.14E-08	3.90E-08	5.05E-10	5.10E-08	1.29E-09	6.84E-09	1.20E-10	8.25E-09	1.18E-09	3.58E-09	3.63E-11	4.79E-09
9954	471549.3	3819814.99	1.39E-08	5.39E-08	7.14E-10	6.85E-08	1.16E-08	3.96E-08	5.12E-10	5.17E-08	1.31E-09	6.94E-09	1.22E-10	8.37E-09	1.19E-09	3.63E-09	3.68E-11	4.86E-09
9955	471545.55	3819823.79	1.39E-08	5.41E-08	7.16E-10	6.87E-08	1.16E-08	3.97E-08	5.14E-10	5.18E-08	1.32E-09	6.96E-09	1.22E-10	8.40E-09	1.20E-09	3.64E-09	3.69E-11	4.88E-09
9956	471541.8	3819832.59	1.40E-08	5.42E-08	7.18E-10	6.89E-08	1.16E-08	3.98E-08	5.15E-10	5.20E-08	1.32E-09	6.98E-09	1.22E-10	8.42E-09	1.20E-09	3.65E-09	3.71E-11	4.89E-09
9957	471538.06	3819841.38	1.40E-08	5.43E-08	7.20E-10	6.91E-08	1.17E-08	3.99E-08	5.17E-10	5.21E-08	1.32E-09	7.00E-09	1.23E-10	8.44E-09	1.20E-09	3.66E-09	3.71E-11	4.90E-09
9958	471534.31	3819850.18	1.41E-08	5.45E-08	7.22E-10	6.93E-08	1.17E-08	4.00E-08	5.18E-10	5.23E-08	1.33E-09	7.01E-09	1.23E-10	8.46E-09	1.21E-09	3.67E-09	3.72E-11	4.92E-09
9959	471530.56	3819858.98	1.41E-08	5.46E-08	7.24E-10	6.94E-08	1.17E-08	4.01E-08	5.20E-10	5.24E-08	1.33E-09	7.03E-09	1.23E-10	8.49E-09	1.21E-09	3.68E-09	3.73E-11	4.93E-09
9960	471526.81	3819867.78	1.41E-08	5.47E-08	7.25E-10	6.96E-08	1.18E-08	4.02E-08	5.21E-10	5.25E-08	1.33E-09	7.05E-09	1.24E-10	8.50E-09	1.21E-09	3.69E-09	3.74E-11	4.94E-09
9961	471523.07	3819876.58	1.41E-08	5.49E-08	7.27E-10	6.97E-08	1.18E-08	4.03E-08	5.22E-10	5.26E-08	1.34E-09	7.06E-09	1.24E-10	8.52E-09	1.21E-09	3.70E-09	3.75E-11	4.95E-09
9962	471519.32	3819885.38	1.42E-08	5.50E-08	7.28E-10	6.99E-08	1.18E-08	4.04E-08	5.23E-10	5.27E-08	1.34E-09	7.07E-09	1.24E-10	8.54E-09	1.22E-09	3.70E-09	3.76E-11	4.96E-09
9963	471515.57	3819894.18	1.42E-08	5.50E-08	7.29E-10	7.00E-08	1.18E-08	4.04E-08	5.23E-10	5.28E-08	1.34E-09	7.09E-09	1.24E-10	8.55E-09	1.22E-09	3.71E-09	3.76E-11	4.97E-09
9964	471511.82	3819902.98	1.42E-08	5.51E-08	7.30E-10	7.01E-08	1.18E-08	4.05E-08	5.24E-10	5.29E-08	1.34E-09	7.09E-09	1.25E-10	8.56E-09	1.22E-09	3.71E-09	3.77E-11	4.97E-09
9965	471508.08	3819911.78	1.42E-08	5.52E-08	7.31E-10	7.01E-08	1.19E-08	4.05E-08	5.25E-10	5.29E-08	1.34E-09	7.10E-09	1.25E-10	8.57E-09	1.22E-09	3.72E-09	3.77E-11	4.98E-09
9966	471504.33	3819920.58	1.42E-08	5.52E-08	7.32E-10	7.02E-08	1.19E-08	4.06E-08	5.25E-10	5.30E-08	1.34E-09	7.11E-09	1.25E-10	8.58E-09	1.22E-09	3.72E-09	3.77E-11	4.98E-09
9967	471500.58	3819929.38	1.43E-08	5.53E-08	7.32E-10	7.02E-08	1.19E-08	4.06E-08	5.26E-10	5.30E-08	1.35E-09	7.11E-09	1.25E-10	8.58E-09	1.22E-09	3.73E-09	3.78E-11	4.99E-09
9968	471496.83	3819938.18	1.43E-08	5.53E-08	7.33E-10	7.03E-08	1.19E-08	4.06E-08	5.26E-10	5.30E-08	1.35E-09	7.12E-09	1.25E-10	8.59E-09	1.22E-09	3.73E-09	3.78E-11	4.99E-09
9969	471493.09	3819946.98	1.43E-08	5.53E-08	7.33E-10	7.03E-08	1.19E-08	4.07E-08	5.26E-10	5.31E-08	1.35E-09	7.12E-09	1.25E-10	8.59E-09	1.22E-09	3.73E-09	3.78E-11	4.99E-09
9970	471489.34	3819955.78	1.43E-08	5.53E-08	7.33E-10	7.03E-08	1.19E-08	4.07E-08	5.26E-10	5.31E-08	1.35E-09	7.12E-09	1.25E-10	8.60E-09	1.22E-09	3.73E-09	3.78E-11	4.99E-09
9971	471485.59	3819964.58	1.43E-08	5.53E-08	7.33E-10	7.03E-08	1.19E-08	4.07E-08	5.26E-10	5.31E-08	1.35E-09	7.12E-09	1.25E-10	8.60E-09	1.22E-09	3.73E-09	3.78E-11	4.99E-09
9972	471481.84	3819973.38	1.43E-08	5.53E-08	7.33E-10	7.03E-08	1.19E-08	4.07E-08	5.26E-10	5.31E-08	1.35E-09	7.12E-09	1.25E-10	8.59E-09	1.22E-09	3.73E-09	3.78E-11	4.99E-09
9973	471478.1	3819982.18	1.43E-08	5.53E-08	7.33E-10	7.03E-08	1.19E-08	4.06E-08	5.26E-10	5.30E-08	1.35E-09	7.12E-09	1.25E-10	8.59E-09	1.22E-09	3.73E-09	3.78E-11	4.99E-09
9974	471474.35	3819990.98	1.43E-08	5.53E-08	7.32E-10	7.03E-08	1.19E-08	4.06E-08	5.26E-10	5.30E-08	1.35E-09	7.12E-09	1.25E-10	8.59E-09	1.22E-09	3.73E-09	3.78E-11	4.99E-09
9975	471470.6	3819999.78	1.42E-08	5.52E-08	7.32E-10	7.02E-08	1.19E-08	4.06E-08	5.25E-10	5.30E-08	1.34E-09	7.11E-09	1.25E-10	8.58E-09	1.22E-09	3.72E-09	3.78E-11	4.98E-09
9976	471466.85	3820008.58	1.42E-08	5.52E-08	7.31E-10	7.02E-08	1.19E-08	4.06E-08	5.25E-10	5.29E-08	1.34E-09	7.11E-09	1.25E-10	8.57E-09	1.22E-09	3.72E-09	3.77E-11	4.98E-09
9977	471463.11	3820017.38	1.42E-08	5.52E-08	7.31E-10	7.01E-08	1.18E-08	4.05E-08	5.24E-10	5.29E-08	1.34E-09	7.10E-09	1.25E-10	8.57E-09	1.22E-09	3.72E-09	3.77E-11	4.98E-09
9978	471459.36	3820026.17	1.42E-08	5.51E-08	7.30E-10	7.00E-08	1.18E-08	4.05E-08	5.24E-10	5.28E-08	1.34E-09	7.09E-09	1.24E-10	8.56E-09	1.22E-09	3.71E-09	3.77E-11	4.97E-09
9979	471455.61	3820034.97	1.42E-08	5.50E-08	7.29E-10	7.00E-08	1.18E-08	4.04E-08	5.23E-10	5.28E-08	1.34E-09	7.09E-09	1.24E-10	8.55E-09	1.22E-09	3.71E-09	3.76E-11	4.97E-09
9980	471451.86	3820043.77	1.42E-08	5.50E-08	7.28E-10	6.99E-08	1.18E-08	4.04E-08	5.23E-10	5.27E-08	1.34E-09	7.08E-09	1.24E-10	8.54E-09	1.22E-09	3.71E-09	3.76E-11	4.96E-09

9981	471448.12	3820052.57	1.42E-08	5.49E-08	7.27E-10	6.98E-08	1.18E-08	4.03E-08	5.22E-10	5.27E-08	1.34E-09	7.07E-09	1.24E-10	8.53E-09	1.22E-09	3.70E-09	3.75E-11	4.95E-09
9982	471444.37	3820061.37	1.41E-08	5.48E-08	7.26E-10	6.97E-08	1.18E-08	4.03E-08	5.21E-10	5.26E-08	1.33E-09	7.06E-09	1.24E-10	8.52E-09	1.21E-09	3.70E-09	3.75E-11	4.95E-09
9983	471440.62	3820070.17	1.41E-08	5.47E-08	7.25E-10	6.96E-08	1.18E-08	4.02E-08	5.21E-10	5.25E-08	1.33E-09	7.05E-09	1.24E-10	8.50E-09	1.21E-09	3.69E-09	3.74E-11	4.94E-09
9984	471436.87	3820078.97	1.41E-08	5.47E-08	7.24E-10	6.95E-08	1.17E-08	4.02E-08	5.20E-10	5.24E-08	1.33E-09	7.04E-09	1.24E-10	8.49E-09	1.21E-09	3.69E-09	3.74E-11	4.93E-09
9985	471433.13	3820087.77	1.41E-08	5.46E-08	7.23E-10	6.94E-08	1.17E-08	4.01E-08	5.19E-10	5.24E-08	1.33E-09	7.03E-09	1.23E-10	8.48E-09	1.21E-09	3.68E-09	3.73E-11	4.93E-09
9986	471429.38	3820096.57	1.41E-08	5.45E-08	7.22E-10	6.93E-08	1.17E-08	4.00E-08	5.18E-10	5.23E-08	1.33E-09	7.02E-09	1.23E-10	8.47E-09	1.21E-09	3.67E-09	3.73E-11	4.92E-09
9987	471425.63	3820105.37	1.40E-08	5.44E-08	7.21E-10	6.92E-08	1.17E-08	4.00E-08	5.17E-10	5.22E-08	1.32E-09	7.01E-09	1.23E-10	8.45E-09	1.20E-09	3.67E-09	3.72E-11	4.91E-09
9988	471421.88	3820114.17	1.40E-08	5.43E-08	7.20E-10	6.91E-08	1.17E-08	3.99E-08	5.17E-10	5.21E-08	1.32E-09	6.99E-09	1.23E-10	8.44E-09	1.20E-09	3.66E-09	3.71E-11	4.90E-09
9989	471418.14	3820122.97	1.40E-08	5.42E-08	7.19E-10	6.89E-08	1.16E-08	3.99E-08	5.16E-10	5.20E-08	1.32E-09	6.98E-09	1.23E-10	8.42E-09	1.20E-09	3.66E-09	3.71E-11	4.89E-09
9990	471414.39	3820131.77	1.40E-08	5.42E-08	7.17E-10	6.88E-08	1.16E-08	3.98E-08	5.15E-10	5.19E-08	1.32E-09	6.97E-09	1.22E-10	8.41E-09	1.20E-09	3.65E-09	3.70E-11	4.89E-09
9991	471410.64	3820140.57	1.39E-08	5.41E-08	7.16E-10	6.87E-08	1.16E-08	3.97E-08	5.14E-10	5.19E-08	1.32E-09	6.96E-09	1.22E-10	8.40E-09	1.20E-09	3.64E-09	3.70E-11	4.88E-09
9992	471406.89	3820149.37	1.39E-08	5.40E-08	7.15E-10	6.86E-08	1.16E-08	3.97E-08	5.13E-10	5.18E-08	1.31E-09	6.95E-09	1.22E-10	8.39E-09	1.19E-09	3.64E-09	3.69E-11	4.87E-09
9993	471403.15	3820158.17	1.39E-08	5.39E-08	7.14E-10	6.85E-08	1.16E-08	3.96E-08	5.12E-10	5.17E-08	1.31E-09	6.94E-09	1.22E-10	8.37E-09	1.19E-09	3.63E-09	3.68E-11	4.86E-09
9994	471399.4	3820166.97	1.39E-08	5.38E-08	7.13E-10	6.84E-08	1.16E-08	3.95E-08	5.12E-10	5.16E-08	1.31E-09	6.93E-09	1.22E-10	8.36E-09	1.19E-09	3.63E-09	3.68E-11	4.86E-09
9995	471395.65	3820175.77	1.39E-08	5.37E-08	7.12E-10	6.83E-08	1.15E-08	3.95E-08	5.11E-10	5.15E-08	1.31E-09	6.92E-09	1.21E-10	8.35E-09	1.19E-09	3.62E-09	3.67E-11	4.85E-09
9996	471391.9	3820184.57	1.38E-08	5.36E-08	7.11E-10	6.82E-08	1.15E-08	3.94E-08	5.10E-10	5.14E-08	1.31E-09	6.91E-09	1.21E-10	8.33E-09	1.19E-09	3.62E-09	3.67E-11	4.84E-09
9997	471388.16	3820193.37	1.38E-08	5.36E-08	7.10E-10	6.81E-08	1.15E-08	3.94E-08	5.09E-10	5.14E-08	1.30E-09	6.89E-09	1.21E-10	8.32E-09	1.19E-09	3.61E-09	3.66E-11	4.83E-09
9998	471384.41	3820202.17	1.38E-08	5.35E-08	7.08E-10	6.80E-08	1.15E-08	3.93E-08	5.09E-10	5.13E-08	1.30E-09	6.88E-09	1.21E-10	8.31E-09	1.18E-09	3.60E-09	3.66E-11	4.82E-09
9999	471380.66	3820210.97	1.38E-08	5.34E-08	7.07E-10	6.79E-08	1.15E-08	3.92E-08	5.08E-10	5.12E-08	1.30E-09	6.87E-09	1.21E-10	8.29E-09	1.18E-09	3.60E-09	3.65E-11	4.82E-09
10000	471376.91	3820219.76	1.37E-08	5.33E-08	7.06E-10	6.78E-08	1.14E-08	3.92E-08	5.07E-10	5.11E-08	1.30E-09	6.86E-09	1.20E-10	8.28E-09	1.18E-09	3.59E-09	3.64E-11	4.81E-09
10001	471373.17	3820228.56	1.37E-08	5.32E-08	7.05E-10	6.77E-08	1.14E-08	3.91E-08	5.06E-10	5.11E-08	1.30E-09	6.85E-09	1.20E-10	8.27E-09	1.18E-09	3.59E-09	3.64E-11	4.80E-09
10002	471369.42	3820237.36	1.37E-08	5.32E-08	7.04E-10	6.76E-08	1.14E-08	3.91E-08	5.06E-10	5.10E-08	1.29E-09	6.84E-09	1.20E-10	8.26E-09	1.18E-09	3.58E-09	3.63E-11	4.80E-09
10003	471365.67	3820246.16	1.37E-08	5.31E-08	7.03E-10	6.75E-08	1.14E-08	3.90E-08	5.05E-10	5.09E-08	1.29E-09	6.83E-09	1.20E-10	8.25E-09	1.18E-09	3.58E-09	3.63E-11	4.79E-09
10004	471361.92	3820254.96	1.37E-08	5.30E-08	7.02E-10	6.74E-08	1.14E-08	3.90E-08	5.04E-10	5.08E-08	1.29E-09	6.82E-09	1.20E-10	8.23E-09	1.17E-09	3.57E-09	3.62E-11	4.78E-09
10005	471358.18	3820263.76	1.36E-08	5.29E-08	7.01E-10	6.73E-08	1.14E-08	3.89E-08	5.03E-10	5.08E-08	1.29E-09	6.81E-09	1.20E-10	8.22E-09	1.17E-09	3.57E-09	3.62E-11	4.77E-09
10006	471354.43	3820272.56	1.36E-08	5.28E-08	7.00E-10	6.71E-08	1.13E-08	3.88E-08	5.02E-10	5.07E-08	1.29E-09	6.80E-09	1.19E-10	8.21E-09	1.17E-09	3.56E-09	3.61E-11	4.77E-09
10007	471350.68	3820281.36	1.36E-08	5.28E-08	6.99E-10	6.71E-08	1.13E-08	3.88E-08	5.02E-10	5.06E-08	1.28E-09	6.79E-09	1.19E-10	8.19E-09	1.17E-09	3.56E-09	3.61E-11	4.76E-09
10008	471346.93	3820290.16	1.36E-08	5.27E-08	6.98E-10	6.69E-08	1.13E-08	3.87E-08	5.01E-10	5.05E-08	1.28E-09	6.78E-09	1.19E-10	8.18E-09	1.17E-09	3.55E-09	3.60E-11	4.75E-09
10009	471343.19	3820298.96	1.36E-08	5.26E-08	6.97E-10	6.68E-08	1.13E-08	3.86E-08	5.00E-10	5.04E-08	1.28E-09	6.77E-09	1.19E-10	8.17E-09	1.16E-09	3.54E-09	3.59E-11	4.74E-09
10010	471339.44	3820307.76	1.35E-08	5.25E-08	6.96E-10	6.67E-08	1.13E-08	3.86E-08	4.99E-10	5.04E-08	1.28E-09	6.76E-09	1.19E-10	8.16E-09	1.16E-09	3.54E-09	3.59E-11	4.74E-09
10011	471335.69	3820316.56	1.35E-08	5.24E-08	6.94E-10	6.66E-08	1.13E-08	3.85E-08	4.98E-10	5.03E-08	1.28E-09	6.75E-09	1.18E-10	8.14E-09	1.16E-09	3.53E-09	3.58E-11	4.73E-09
10012	471331.94	3820325.36	1.35E-08	5.23E-08	6.93E-10	6.65E-08	1.12E-08	3.84E-08	4.98E-10	5.02E-08	1.27E-09	6.73E-09	1.18E-10	8.13E-09	1.16E-09	3.53E-09	3.58E-11	4.72E-09
10013	471328.2	3820334.16	1.35E-08	5.22E-08	6.92E-10	6.64E-08	1.12E-08	3.84E-08	4.97E-10	5.01E-08	1.27E-09	6.72E-09	1.18E-10	8.11E-09	1.16E-09	3.52E-09	3.57E-11	4.71E-09
10014	471324.45	3820342.96	1.34E-08	5.21E-08	6.91E-10	6.63E-08	1.12E-08	3.83E-08	4.96E-10	5.00E-08	1.27E-09	6.71E-09	1.18E-10	8.10E-09	1.15E-09	3.51E-09	3.56E-11	4.70E-09
10015	471320.7	3820351.76	1.34E-08	5.20E-08	6.89E-10	6.61E-08	1.12E-08	3.82E-08	4.95E-10	4.99E-08	1.27E-09	6.69E-09	1.18E-10	8.08E-09	1.15E-09	3.51E-09	3.55E-11	4.69E-09
10016	471316.95	3820360.56	1.34E-08	5.19E-08	6.88E-10	6.60E-08	1.11E-08	3.81E-08	4.94E-10	4.98E-08	1.26E-09	6.68E-09	1.17E-10	8.06E-09	1.15E-09	3.50E-09	3.55E-11	4.68E-09
10017	471313.21	3820369.36	1.34E-08	5.18E-08	6.86E-10	6.58E-08	1.11E-08	3.81E-08	4.93E-10	4.97E-08	1.26E-09	6.67E-09	1.17E-10	8.05E-09	1.15E-09	3.49E-09	3.54E-11	4.67E-09
10018	471309.46	3820378.16	1.33E-08	5.17E-08	6.85E-10	6.57E-08	1.11E-08	3.80E-08	4.91E-10	4.96E-08	1.26E-09	6.65E-09	1.17E-10	8.03E-09	1.14E-09	3.48E-09	3.53E-11	4.66E-09
10019	471305.71	3820386.96	1.33E-08	5.16E-08	6.83E-10	6.55E-08	1.11E-08	3.79E-08	4.90E-10	4.94E-08	1.26E-09	6.64E-09	1.16E-10	8.01E-09	1.14E-09	3.48E-09	3.52E-11	4.65E-09
10020	471301.96	3820395.76	1.33E-08	5.14E-08	6.81E-10	6.54E-08	1.10E-08	3.78E-08	4.89E-10	4.93E-08	1.25E-09	6.62E-09	1.16E-10	7.99E-09	1.14E-09	3.47E-09	3.51E-11	4.64E-09
10021	471298.22	3820404.55	1.32E-08	5.13E-08	6.79E-10	6.52E-08	1.10E-08	3.77E-08	4.88E-10	4.92E-08	1.25E-09	6.60E-09	1.16E-10	7.96E-09	1.13E-09	3.46E-09	3.50E-11	4.63E-09
10022	471294.47	3820413.35	1.32E-08	5.11E-08	6.77E-10	6.50E-08	1.10E-08	3.76E-08	4.86E-10	4.90E-08	1.24E-09	6.58E-09	1.16E-10	7.94E-09	1.13E-09	3.45E-09	3.49E-11	4.61E-09
10023	471290.72	3820422.15	1.31E-08	5.10E-08	6.75E-10	6.48E-08	1.09E-08	3.74E-08	4.85E-10	4.89E-08	1.24E-09	6.56E-09	1.15E-10	7.92E-09	1.13E-09	3.44E-09	3.48E-11	4.60E-09
10024	471286.97	3820430.95	1.31E-08	5.08E-08	6.73E-10	6.46E-08	1.09E-08	3.73E-08	4.83E-10	4.87E-08	1.24E-09	6.54E-09	1.15E-10	7.89E-09	1.12E-09	3.42E-09	3.47E-11	4.58E-09
10025	471283.23	3820439.75	1.31E-08	5.07E-08	6.71E-10	6.44E-08	1.09E-08	3.72E-08	4.82E-10	4.86E-08	1.23E-09	6.52E-09	1.14E-10	7.87E-09	1.12E-09	3.41E-09	3.46E-11	4.57E-09
10026	471279.48	3820448.55	1.30E-08	5.05E-08	6.69E-10	6.42E-08	1.08E-08	3.71E-08	4.80E-10	4.84E-08	1.23E-09	6.50E-09	1.14E-10	7.84E-09	1.12E-09	3.40E-09	3.45E-11	4.56E-09
10027	471275.73	3820457.35	1.30E-08	5.03E-08	6.67E-10	6.40E-08	1.08E-08	3.70E-08	4.79E-10	4.83E-08	1.23E-09	6.48E-09	1.14E-10	7.82E-09	1.11E-09	3.39E-09	3.44E-11	4.54E-09
10028	471263.1	3820469.7	1.30E-08	5.04E-08	6.68E-10	6.41E-08	1.08E-08	3.71E-08	4.80E-10	4.84E-08	1.23E-09	6.49E-09	1.14E-10	7.83E-09	1.12E-09	3.40E-09	3.45E-11	4.55E-09
10029	471254.22	3820473.25	1.31E-08	5.07E-08	6.71E-10	6.44E-08	1.09E-08	3.72E-08	4.82E-10	4.86E-08	1.23E-09	6.52E-09	1.15E-10	7.87E-09	1.12E-09	3.42E-09	3.46E-11	4.57E-09
10030	471245.34	3820476.8	1.31E-08	5.09E-08	6.75E-10	6.47E-08	1.09E-08	3.74E-08	4.84E-10	4.88E-08	1.24E-09	6.56E-09	1.15E-10	7.91E-09	1.13E-09	3.43E-09	3.48E-11	4.59E-09
10031	471236.46	3820480.35	1.32E-08	5.12E-08	6.78E-10	6.50E-08	1.10E-08	3.76E-08	4.87E-10	4.91E-08	1.25E-09	6.59E-09	1.16E-10	7.95E-09	1.13E-09	3.45E-09	3.50E-11	4.62E-09
10032	471227.58	3820483.89	1.33E-08	5.14E-08	6.81E-10	6.54E-08	1.10E-08	3.78E-08	4.89E-10	4.93E-08	1.25E-09	6.62E-09	1.16E-10	7.99E-09	1.14E-09	3.47E-09	3.51E-11	4.64E-09
10033	471218.7	3820487.44	1.33E-08	5.17E-08	6.84E-10	6.57E-08	1.11E-08	3.80E-08	4.91E-10	4.95E-08	1.26E-09	6.65E-09	1.17E-10	8.02E-09	1.14E-09	3.48E-09	3.53E-11	4.66E-09
10034	471209.81	3820490.99	1.34E-08	5.19E-08	6.87E-10	6.59E-08	1.11E-08	3.81E-08	4.93E-10	4.98E-08	1.26E-09	6.68E-09	1.17E-10	8.06E-09	1.15E-09	3.50E-09	3.55E-11	4.68E-09
10035	471200.93	3820494.54	1.34E-08	5.21E-08	6.90E-10	6.62E-08	1.12E-08	3.83E-08	4.95E-10	5.00E-08	1.27E-09	6.71E-09	1.18E-10	8.09E-09	1.15E-09	3.51E-09	3.56E-11	4.70E-09
10036	471192.05	3820498.09	1.35E-08	5.23E-08	6.93E-10	6.65E-08	1.12E-08	3.85E-08	4.98E-10	5.02E-08	1.27E-09	6.74E-09	1.18E-10	8.13E-09	1.16E-09	3.53E-09	3.58E-11	4.72E-09
10037	471183.17	3820501.64	1.36E-08	5.26E-08	6.96E-10	6.68E-08	1.13E-08	3.86E-08	5.00E-10	5.04E-08	1.28E-09	6.77E-09	1.19E-10	8.16E-09	1.16E-09	3.54E-09	3.59E-11	4.74E-09
10038	471174.29	3820505.19	1.36E-08	5.28E-08	6.99E-10	6.71E-08	1.13E-08	3.88E-08	5.02E-10	5.06E-08	1.28E-09	6.79E-09	1.19E-10	8.20E-09	1.17E-09	3.56E-09	3.61E-11	4.76E-09
10039	471165.41	3820508.73	1.37E-08	5.30E-08	7.02E-10	6.73E-08	1.14E-08	3.89E-08	5.04E-10	5.08E-08	1.29E-09	6.82E-09	1.20E-10	8.23E-09	1.17E-09	3.57E-09	3.62E-11	4.78E-09
10040	471156.52	3820512.28	1.37E-08	5.32E-08	7.05E-10	6.76E-08	1.14E-08	3.91E-08	5.06E-10	5.10E-08	1.30E-09	6.85E-09	1.20E-10	8.26E-09	1.18E-09	3.59E-09	3.64E-11	4.80E-09
10041	471147.64	3820515.83	1.38E-08	5.34E-08	7.08E-10	6.79E-08	1.15E-08	3.92E-08	5.08E-10	5.12E-08	1.30E-09	6.87E-09	1.21E-10	8.30E-09	1.18E-09	3.60E-09	3.65E-11	4.82E-09
10042	471138.76	3820519.38	1.38E-08	5.36E-08	7.10E-10	6.82E-08	1.15E-08	3.94E-08	5.10E-10	5.14E-08	1.31E-09	6.90E-09	1.21E-10	8.33E-09	1.19E-09	3.61E-09	3.66E-11	4.84E-09
10043	471129.88	3820522.93	1.39E-08	5.38E-08	7.13E-10	6.84E-08	1.16E-08	3.95E-08	5.12E-10	5.16E-08	1.31E-09	6.93E-09	1.22E-10	8.36E-09	1.19E-09	3.63E-09	3.68E-11	4.86E-09
10044	471121	3820526.48	1.39E-08	5.40E-08	7.16E-10	6.87E-08	1.16E-08	3.97E-08	5.14E-10	5.18E-08	1.32E-09	6.95E-09	1.22E-10	8.39E-09	1.20E-09	3.64E-09	3.69E-11	4.87E-09
10045	471112.12	3820530.03	1.40E-08	5.42E-08	7.18E-10	6.89E-08	1.16E-08	3.98E-08	5.16E-10	5.20E-08	1.32E-09	6.98E-09	1.23E-10	8.42E-09	1.20E-09	3.65E-09	3.71E-11	4.89E-09
10046	471049.95	3820554.87	1.44E-08	5.57E-08	7.39E-10	7.09E-08	1.20E-08	4.10E-08	5.30E-10	5.35E-08	1.36E-09	7.18E-09	1.26E-10	8.66E-09	1.23E-09	3.76E-09	3.81E-11	5.03E-09
10047	471041.06	3820558.42	1.44E-08	5.60E-08	7.42E-10	7.12E-08	1.20E-08	4.11E-08	5.33E-10	5.37E-08	1.36E-09	7.21E-09	1.27E-10	8.70E-09	1.24E-09	3.77E-09	3.83E-11	5.05E-09
10048	471032.18	3820561.96	1.45E-08	5.62E-08	7.45E-10	7.15E-08	1.21E-08	4.13E-08	5.35E-10	5.39E-08	1.37E-09	7.24E-09	1.27E-10	8.73E-09	1.24E-09	3.79E-09	3.84E-11	5.07E-09
10049	471023.3	3820565.51	1.46E-08	5.65E-08	7.48E-10	7.18E-08	1.21E-08	4.15E-08	5.37E-10	5.42E-08	1.38E-09	7.27E-09	1.28E-10	8.77E-09	1.25E-09	3.81E-09	3.86E-11	5.10E-09
10050	471014.42	3820569.06	1.46E-08	5.67E-08	7.51E-10	7.21E-08	1.22E-08	4.17E-08	5.39E-10	5.44E-08	1.38E-09	7.30E-09	1.28E-10	8.81E-09	1.26E-09	3.82E-09	3.88E-11	5.12E-09
10051	471005.54	3820572.61	1.47E-08	5.70E-08	7.55E-10	7.24E-08	1.22E-08	4.19E-08	5.42E-10	5.47E-08	1.39E-09	7.34E-09	1.29E-10	8.85E-09	1.26E-09	3.84E-09	3.90E-11	5.14E-09
10052	470996.66	3820576.16	1.48E-08	5.73E-08	7.59E-10	7.28E-08	1.23E-08	4.21E-08	5.45E-10	5.50E-08	1.40E-09	7.38E-09	1.29E-10	8.90E-09	1.27E-09	3.86E-09	3.92E-11	5.17E-09
10053	470987.77	3820579.71	1.49E-08	5.76E-08	7.63E-10	7.32E-08	1.24E-08	4.23E-08	5.48E-10	5.52E-08	1.40E-09	7.42E-09	1.30E-10	8.95E-09	1.28E-09	3.88E-09	3.94E-11	5.20E-09
10054	470978.89	3820583.26	1.49E-08	5.79E-08	7.68E-10	7.37E-08	1.24E-08	4.26E-08	5.51E-10	5.56E-08	1.41E-09	7.46E-09	1.31E-10	9.00E-09	1.28E-09	3.91E-09	3.96E-11	5.23E-09
10055	470970.01	3820586.8	1.50E-08	5.83E-08	7.72E-10	7.40E-08	1.25E-08	4.28E-08	5.54E-10	5.59E-08	1.42E-09	7.50E-09	1.32E-10	9.05E-09	1.29E-09	3.93E-09	3.98E-11	5.26E-09
10056	470961.13	3820590.35	1.51E-08	5.86E-08	7.76E-10	7.45E-08	1.26E-08	4.31E-08	5.57E-10	5.62E-08	1.43E-09	7.54E-09	1.32E-10	9.10E-09	1.30E-09	3.95E-09	4.01E-11	5.29E-09
10057	470952.25	3820593.9	1.52E-08	5.90E-08	7.81E-10	7.49E-08	1.27E-08	4.33E-08	5.61E-10	5.65E-08	1.44E-09	7.59E-09	1.33E-10	9.16E-09	1.31E-09	3.97E-09	4.03E-11	5.32E-09
10058	470872.31	3820625.84	1.63E-08	6.31E-08	8.36E-10	8.02E-08	1.36E-08	4.64E-08	6.00E-10	6.05E-08	1.54E-09	8.12E-09	1.43E-10	9.80E-09	1.40E-09	4.25E-09	4.31E-11	5.69E-09
10059	470863.43	3820629.39	1.64E-08	6.36E-08	8.43E-10	8.09E-08	1.37E-08	4.68E-08	6.05E-10	6.10E-08	1.55E-09	8.19E-09	1.44E-10	9.89E-09	1.41E-09	4.29E-09	4.35E-11	5.74E-09
10060	470854.55	3820632.94	1.66E-08	6.42E-08	8.51E-10	8.16E-08	1.38E-08	4.72E-08	6.11E-10	6.16E-08	1.56E-09	8.27E-09	1.45E-10	9.97E-09	1.42E-09	4.33E-09	4.39E-11	5.79E-09
10061	470845.67	3820636.48	1.67E-08	6.48E-08	8.58E-10	8.23E-08	1.39E-08	4.76E-08	6.16E-10	6.21E-08	1.58E-09	8.34E-09	1.46E-10	1.01E-08	1.43E-09	4.37E-09	4.43E-11	5.84E-09
10062	470836.79	3820640.03	1.69E-08	6.54E-08	8.66E-10	8.31E-08	1.40E-08	4.80E-08	6.22E-10	6.27E-08	1.59E-09	8.42E-09	1.48E-10	1.02E-08	1.45E-09	4.41E-09	4.47E-11	5.90E-09
10063	470827.91	3820643.58	1.70E-08	6.60E-08	8.74E-10	8.39E-08	1.42E-08	4.85E-08	6.27E-10	6.33E-08	1.61E-09	8.49E-09	1.49E-10	1.02E-08	1.46E-09	4.45E-09	4.51E-11	5.95E-09
10064	470819.02	3820647.13	1.72E-08	6.66E-08	8.82E-10	8.46E-08	1.43E-08	4.89E-08	6.33E-10	6.39E-08	1.62E-09	8.57E-09	1.50E-10	1.03E-08	1.47E-09	4.49E-09	4.55E-11	6.01E-09
10065	470810.14	3820650.68	1.73E-08	6.72E-08	8.90E-10	8.54E-08	1.44E-08	4.94E-08	6.39E-10	6.44E-08	1.64E-09	8.65E-09	1.52E-10	1.04E-08	1.49E-09	4.53E-09	4.59E-11	6.06E-09
10066	470801.26	3820654.23	1.75E-08	6.78E-08	8.98E-10	8.61E-08	1.46E-08	4.98E-08	6.44E-10	6.50E-08	1.65E-09	8.72E-09	1.53E-10	1.05E-08	1.50E-09	4.57E-09	4.63E-11	6.11E-09
10067	470792.38	3820657.78	1.76E-08	6.83E-08	9.05E-10	8.69E-08	1.47E-08	5.02E-08	6.50E-10	6.55E-08	1.66E-09	8.80E-09	1.54E-10	1.06E-08	1.51E-09	4.61E-09	4.67E-11	6.17E-09
10068	470783.5	3820661.32	1.78E-08	6.89E-08	9.13E-10	8.76E-08	1.48E-08	5.06E-08	6.55E-10	6.61E-08	1.68E-09	8.87E-09	1.56E-10	1.07E-08	1.53E-09	4.65E-09	4.71E-11	6.22E-09
10069	470774.62	3820664.87	1.79E-08	6.95E-08	9.21E-10	8.84E-08	1.49E-08	5.11E-08	6.61E-10	6.67E-08	1.69E-09	8.95E-09	1.57E-10	1.08E-08	1.54E-09	4.69E-09	4.75E-11	6.27E-09
10070	470765.73	3820668.42	1.81E-08	7.01E-08	9.29E-10	8.91E-08	1.51E-08	5.15E-08	6.67E-10	6.72E-08	1.71E-09	9.03E-09	1.58E-10	1.09E-08	1.55E-09	4.73E-09	4.79E-11	6.33E-09
10071	470756.85	3820671.97	1.82E-08	7.08E-08	9.37E-10	8.99E-08	1.52E-08	5.20E-08	6.73E-10	6.79E-08	1.72E-09	9.11E-09	1.60E-10	1.10E-08	1.57E-09	4.77E-09	4.84E-11	6.38E-09
10072	470747.97	3820675.52	1.84E-08	7.14E-08	9.46E-10	9.07E-08	1.53E-08	5.25E-08	6.79E-10	6.85E-08	1.74E-09	9.19E-09	1.61E-10	1.11E-08	1.58E-09	4.81E-09	4.88E-11	6.44E-09
10073	470739.09	3820679.07	1.86E-08	7.20E-08	9.54E-10	9.15E-08	1.55E-08	5.29E-08	6.85E-10	6.91E-08	1.75E-09	9.27E-09	1.63E-10	1.12E-08	1.59E-09	4.85E-09	4.92E-11	6.50E-09
10074	470730.21	3820682.62	1.87E-08	7.26E-08	9.62E-10	9.23E-08	1.56E-08	5.34E-08	6.91E-10	6.97E-08	1.77E-09	9.35E-09	1.64E-10	1.13E-08	1.61E-09	4.90E-09	4.97E-11	6.55E-09
10075	470721.33	3820686.16	1.89E-08	7.33E-08	9.71E-10	9.31E-08	1.57E-08	5.38E-08	6.97E-10	7.03E-08	1.78E-09	9.43E-09	1.66E-10	1.14E-08	1.62E-09	4.94E-09	5.01E-11	6.61E-09
10076	470712.44	3820689.71	1.90E-08	7.39E-08	9.78E-10	9.39E-08	1.59E-08	5.43E-08	7.02E-10	7.08E-08	1.80E-09	9.51E-09	1.67E-10	1.15E-08	1.63E-09	4.98E-09	5.05E-11

10077	470703.56	3820693.26	1.92E-08	7.45E-08	9.87E-10	9.47E-08	1.60E-08	5.47E-08	7.08E-10	7.14E-08	1.81E-09	9.59E-09	1.68E-10	1.16E-08	1.65E-09	5.02E-09	5.09E-11	6.72E-09
10078	470694.68	3820696.81	1.94E-08	7.51E-08	9.95E-10	9.55E-08	1.61E-08	5.52E-08	7.14E-10	7.21E-08	1.83E-09	9.67E-09	1.70E-10	1.17E-08	1.66E-09	5.06E-09	5.14E-11	6.78E-09
10079	470685.8	3820700.36	1.95E-08	7.58E-08	1.00E-09	9.63E-08	1.63E-08	5.57E-08	7.21E-10	7.27E-08	1.84E-09	9.75E-09	1.71E-10	1.18E-08	1.68E-09	5.11E-09	5.18E-11	6.84E-09
10080	470676.92	3820703.91	1.97E-08	7.64E-08	1.01E-09	9.71E-08	1.64E-08	5.61E-08	7.26E-10	7.32E-08	1.86E-09	9.83E-09	1.73E-10	1.19E-08	1.69E-09	5.15E-09	5.22E-11	6.89E-09
10081	470668.04	3820707.46	1.98E-08	7.69E-08	1.02E-09	9.78E-08	1.65E-08	5.65E-08	7.32E-10	7.38E-08	1.87E-09	9.90E-09	1.74E-10	1.19E-08	1.70E-09	5.19E-09	5.26E-11	6.94E-09
10082	470659.16	3820711.01	2.00E-08	7.75E-08	1.03E-09	9.85E-08	1.66E-08	5.69E-08	7.37E-10	7.43E-08	1.89E-09	9.98E-09	1.75E-10	1.20E-08	1.72E-09	5.22E-09	5.30E-11	6.99E-09
10083	470650.27	3820714.55	2.01E-08	7.80E-08	1.03E-09	9.92E-08	1.68E-08	5.73E-08	7.42E-10	7.48E-08	1.90E-09	1.00E-08	1.76E-10	1.21E-08	1.73E-09	5.26E-09	5.33E-11	7.04E-09
10084	470641.39	3820718.1	2.03E-08	7.85E-08	1.04E-09	9.98E-08	1.69E-08	5.77E-08	7.47E-10	7.53E-08	1.91E-09	1.01E-08	1.77E-10	1.22E-08	1.74E-09	5.29E-09	5.37E-11	7.09E-09
10085	470632.51	3820721.65	2.04E-08	7.90E-08	1.05E-09	1.00E-07	1.70E-08	5.81E-08	7.52E-10	7.58E-08	1.92E-09	1.02E-08	1.79E-10	1.23E-08	1.75E-09	5.33E-09	5.40E-11	7.13E-09
10086	470623.63	3820725.2	2.05E-08	7.95E-08	1.05E-09	1.01E-07	1.71E-08	5.84E-08	7.56E-10	7.62E-08	1.94E-09	1.02E-08	1.80E-10	1.23E-08	1.76E-09	5.36E-09	5.43E-11	7.17E-09
10087	470614.75	3820728.75	2.06E-08	8.00E-08	1.06E-09	1.02E-07	1.72E-08	5.88E-08	7.61E-10	7.67E-08	1.95E-09	1.03E-08	1.81E-10	1.24E-08	1.77E-09	5.39E-09	5.47E-11	7.22E-09
10088	470605.87	3820732.3	2.08E-08	8.05E-08	1.07E-09	1.02E-07	1.73E-08	5.91E-08	7.65E-10	7.72E-08	1.96E-09	1.04E-08	1.82E-10	1.25E-08	1.78E-09	5.43E-09	5.50E-11	7.26E-09
10089	470596.98	3820735.85	2.09E-08	8.10E-08	1.07E-09	1.03E-07	1.74E-08	5.95E-08	7.70E-10	7.77E-08	1.97E-09	1.04E-08	1.83E-10	1.26E-08	1.79E-09	5.46E-09	5.53E-11	7.31E-09
10090	470588.1	3820739.39	2.10E-08	8.14E-08	1.08E-09	1.03E-07	1.75E-08	5.98E-08	7.74E-10	7.81E-08	1.98E-09	1.05E-08	1.84E-10	1.26E-08	1.80E-09	5.49E-09	5.56E-11	7.34E-09
10091	470579.22	3820742.94	2.11E-08	8.18E-08	1.08E-09	1.04E-07	1.76E-08	6.01E-08	7.78E-10	7.84E-08	1.99E-09	1.05E-08	1.85E-10	1.27E-08	1.81E-09	5.51E-09	5.59E-11	7.38E-09
10092	470570.34	3820746.49	2.12E-08	8.21E-08	1.09E-09	1.04E-07	1.76E-08	6.03E-08	7.81E-10	7.87E-08	2.00E-09	1.06E-08	1.86E-10	1.28E-08	1.82E-09	5.53E-09	5.61E-11	7.41E-09
10093	470561.46	3820750.04	2.12E-08	8.24E-08	1.09E-09	1.05E-07	1.77E-08	6.05E-08	7.84E-10	7.90E-08	2.01E-09	1.06E-08	1.86E-10	1.28E-08	1.82E-09	5.55E-09	5.63E-11	7.43E-09
10094	470552.58	3820753.59	2.13E-08	8.26E-08	1.09E-09	1.05E-07	1.77E-08	6.07E-08	7.85E-10	7.92E-08	2.01E-09	1.06E-08	1.87E-10	1.28E-08	1.83E-09	5.57E-09	5.65E-11	7.45E-09
10095	470543.69	3820757.14	2.13E-08	8.28E-08	1.10E-09	1.05E-07	1.78E-08	6.08E-08	7.87E-10	7.94E-08	2.01E-09	1.07E-08	1.87E-10	1.29E-08	1.83E-09	5.58E-09	5.66E-11	7.47E-09
10096	470534.81	3820760.69	2.14E-08	8.29E-08	1.10E-09	1.05E-07	1.78E-08	6.09E-08	7.88E-10	7.95E-08	2.02E-09	1.07E-08	1.87E-10	1.29E-08	1.84E-09	5.59E-09	5.67E-11	7.48E-09
10097	470525.93	3820764.23	2.14E-08	8.31E-08	1.10E-09	1.06E-07	1.78E-08	6.10E-08	7.90E-10	7.97E-08	2.02E-09	1.07E-08	1.88E-10	1.29E-08	1.84E-09	5.60E-09	5.68E-11	7.49E-09
10098	470517.05	3820767.78	2.15E-08	8.32E-08	1.10E-09	1.06E-07	1.79E-08	6.11E-08	7.91E-10	7.98E-08	2.03E-09	1.07E-08	1.88E-10	1.29E-08	1.84E-09	5.61E-09	5.69E-11	7.51E-09
10099	470508.17	3820771.33	2.15E-08	8.33E-08	1.10E-09	1.06E-07	1.79E-08	6.12E-08	7.93E-10	7.99E-08	2.03E-09	1.07E-08	1.88E-10	1.29E-08	1.84E-09	5.62E-09	5.70E-11	7.52E-09
10100	470499.29	3820774.88	2.15E-08	8.35E-08	1.11E-09	1.06E-07	1.79E-08	6.13E-08	7.94E-10	8.01E-08	2.03E-09	1.07E-08	1.89E-10	1.30E-08	1.85E-09	5.63E-09	5.71E-11	7.53E-09
10101	470490.4	3820778.43	2.16E-08	8.36E-08	1.11E-09	1.06E-07	1.80E-08	6.14E-08	7.95E-10	8.02E-08	2.04E-09	1.08E-08	1.89E-10	1.30E-08	1.85E-09	5.64E-09	5.72E-11	7.54E-09
10102	470481.52	3820781.98	2.16E-08	8.38E-08	1.11E-09	1.06E-07	1.80E-08	6.15E-08	7.96E-10	8.03E-08	2.04E-09	1.08E-08	1.89E-10	1.30E-08	1.85E-09	5.65E-09	5.72E-11	7.56E-09
10103	470472.64	3820785.53	2.16E-08	8.39E-08	1.11E-09	1.07E-07	1.80E-08	6.16E-08	7.98E-10	8.04E-08	2.04E-09	1.08E-08	1.90E-10	1.30E-08	1.86E-09	5.65E-09	5.73E-11	7.57E-09
10104	470463.76	3820789.07	2.17E-08	8.40E-08	1.11E-09	1.07E-07	1.80E-08	6.17E-08	7.99E-10	8.06E-08	2.05E-09	1.08E-08	1.90E-10	1.30E-08	1.86E-09	5.66E-09	5.74E-11	7.58E-09
10105	470454.88	3820792.62	2.17E-08	8.41E-08	1.11E-09	1.07E-07	1.81E-08	6.18E-08	8.00E-10	8.07E-08	2.05E-09	1.08E-08	1.90E-10	1.31E-08	1.86E-09	5.67E-09	5.75E-11	7.59E-09
10106	470446	3820796.17	2.17E-08	8.42E-08	1.12E-09	1.07E-07	1.81E-08	6.19E-08	8.01E-10	8.08E-08	2.05E-09	1.08E-08	1.90E-10	1.31E-08	1.86E-09	5.68E-09	5.76E-11	7.60E-09
10107	470437.12	3820799.72	2.17E-08	8.43E-08	1.12E-09	1.07E-07	1.81E-08	6.20E-08	8.02E-10	8.09E-08	2.05E-09	1.09E-08	1.91E-10	1.31E-08	1.87E-09	5.68E-09	5.76E-11	7.61E-09
10108	470428.23	3820803.27	2.18E-08	8.45E-08	1.12E-09	1.07E-07	1.81E-08	6.21E-08	8.03E-10	8.10E-08	2.06E-09	1.09E-08	1.91E-10	1.31E-08	1.87E-09	5.69E-09	5.78E-11	7.62E-09
10109	470419.35	3820806.82	2.18E-08	8.46E-08	1.12E-09	1.08E-07	1.82E-08	6.22E-08	8.05E-10	8.12E-08	2.06E-09	1.09E-08	1.91E-10	1.31E-08	1.87E-09	5.70E-09	5.78E-11	7.64E-09
10110	470410.47	3820810.37	2.19E-08	8.48E-08	1.12E-09	1.08E-07	1.82E-08	6.23E-08	8.06E-10	8.13E-08	2.06E-09	1.09E-08	1.92E-10	1.32E-08	1.88E-09	5.71E-09	5.80E-11	7.65E-09
10111	470401.59	3820813.91	2.19E-08	8.49E-08	1.12E-09	1.08E-07	1.82E-08	6.24E-08	8.07E-10	8.14E-08	2.07E-09	1.09E-08	1.92E-10	1.32E-08	1.88E-09	5.72E-09	5.80E-11	7.66E-09
10112	470392.71	3820817.46	2.19E-08	8.50E-08	1.13E-09	1.08E-07	1.83E-08	6.25E-08	8.09E-10	8.16E-08	2.07E-09	1.09E-08	1.92E-10	1.32E-08	1.88E-09	5.73E-09	5.81E-11	7.67E-09
10113	470383.83	3820821.01	2.20E-08	8.52E-08	1.13E-09	1.08E-07	1.83E-08	6.26E-08	8.10E-10	8.17E-08	2.07E-09	1.10E-08	1.92E-10	1.32E-08	1.89E-09	5.74E-09	5.82E-11	7.68E-09
10114	470374.94	3820824.56	2.20E-08	8.53E-08	1.13E-09	1.08E-07	1.83E-08	6.27E-08	8.11E-10	8.18E-08	2.08E-09	1.10E-08	1.93E-10	1.33E-08	1.89E-09	5.75E-09	5.83E-11	7.70E-09
10115	470366.06	3820828.11	2.20E-08	8.55E-08	1.13E-09	1.09E-07	1.84E-08	6.28E-08	8.13E-10	8.20E-08	2.08E-09	1.10E-08	1.93E-10	1.33E-08	1.89E-09	5.76E-09	5.84E-11	7.71E-09
10116	470295.01	3820856.5	2.25E-08	8.74E-08	1.16E-09	1.11E-07	1.88E-08	6.42E-08	8.31E-10	8.38E-08	2.13E-09	1.13E-08	1.98E-10	1.36E-08	1.93E-09	5.89E-09	5.98E-11	7.89E-09
10117	470286.13	3820860.05	2.26E-08	8.77E-08	1.16E-09	1.11E-07	1.88E-08	6.45E-08	8.34E-10	8.41E-08	2.14E-09	1.13E-08	1.98E-10	1.36E-08	1.94E-09	5.91E-09	6.00E-11	7.91E-09
10118	470277.25	3820863.6	2.27E-08	8.80E-08	1.17E-09	1.12E-07	1.89E-08	6.47E-08	8.37E-10	8.44E-08	2.14E-09	1.13E-08	1.99E-10	1.37E-08	1.95E-09	5.93E-09	6.02E-11	7.94E-09
10119	470268.36	3820867.14	2.28E-08	8.83E-08	1.17E-09	1.12E-07	1.90E-08	6.49E-08	8.40E-10	8.47E-08	2.15E-09	1.14E-08	2.00E-10	1.37E-08	1.96E-09	5.96E-09	6.04E-11	7.97E-09
10120	471699.2	3819463.01	1.13E-08	4.40E-08	5.83E-10	5.59E-08	9.45E-09	3.23E-08	4.18E-10	4.22E-08	1.07E-09	5.66E-09	9.94E-11	6.83E-09	9.74E-10	2.96E-09	3.01E-11	3.97E-09
10121	471699.28	3819453.36	1.13E-08	4.39E-08	5.81E-10	5.58E-08	9.42E-09	3.22E-08	4.17E-10	4.21E-08	1.07E-09	5.65E-09	9.92E-11	6.82E-09	9.71E-10	2.96E-09	3.00E-11	3.96E-09
10122	471699.36	3819443.71	1.13E-08	4.38E-08	5.80E-10	5.56E-08	9.40E-09	3.22E-08	4.16E-10	4.20E-08	1.07E-09	5.63E-09	9.89E-11	6.80E-09	9.69E-10	2.95E-09	2.99E-11	3.95E-09
10123	471699.45	3819434.06	1.13E-08	4.36E-08	5.78E-10	5.55E-08	9.37E-09	3.21E-08	4.15E-10	4.18E-08	1.06E-09	5.62E-09	9.86E-11	6.78E-09	9.66E-10	2.94E-09	2.98E-11	3.94E-09
10124	471699.53	3819424.41	1.12E-08	4.35E-08	5.76E-10	5.53E-08	9.34E-09	3.19E-08	4.13E-10	4.17E-08	1.06E-09	5.60E-09	9.82E-11	6.75E-09	9.62E-10	2.93E-09	2.97E-11	3.92E-09
10125	471699.61	3819414.76	1.12E-08	4.33E-08	5.74E-10	5.51E-08	9.30E-09	3.18E-08	4.12E-10	4.15E-08	1.05E-09	5.58E-09	9.79E-11	6.73E-09	9.59E-10	2.92E-09	2.96E-11	3.91E-09
10126	471699.69	3819405.12	1.11E-08	4.32E-08	5.72E-10	5.48E-08	9.27E-09	3.17E-08	4.10E-10	4.14E-08	1.05E-09	5.55E-09	9.75E-11	6.70E-09	9.55E-10	2.91E-09	2.95E-11	3.89E-09
10127	471699.78	3819395.47	1.11E-08	4.30E-08	5.69E-10	5.46E-08	9.23E-09	3.16E-08	4.09E-10	4.12E-08	1.05E-09	5.53E-09	9.71E-11	6.67E-09	9.51E-10	2.90E-09	2.94E-11	3.88E-09
10128	471699.86	3819385.82	1.10E-08	4.28E-08	5.67E-10	5.44E-08	9.19E-09	3.14E-08	4.07E-10	4.10E-08	1.04E-09	5.51E-09	9.67E-11	6.65E-09	9.47E-10	2.88E-09	2.92E-11	3.86E-09
10129	471699.94	3819376.17	1.10E-08	4.26E-08	5.64E-10	5.41E-08	9.14E-09	3.13E-08	4.05E-10	4.08E-08	1.04E-09	5.48E-09	9.62E-11	6.61E-09	9.42E-10	2.87E-09	2.91E-11	3.84E-09
10130	471700.03	3819366.52	1.09E-08	4.24E-08	5.61E-10	5.38E-08	9.10E-09	3.11E-08	4.03E-10	4.06E-08	1.03E-09	5.45E-09	9.57E-11	6.58E-09	9.38E-10	2.86E-09	2.90E-11	3.82E-09
10131	471700.11	3819356.88	1.09E-08	4.21E-08	5.58E-10	5.36E-08	9.05E-09	3.10E-08	4.01E-10	4.04E-08	1.03E-09	5.42E-09	9.52E-11	6.55E-09	9.33E-10	2.84E-09	2.88E-11	3.80E-09
10132	471700.19	3819347.23	1.08E-08	4.19E-08	5.55E-10	5.32E-08	8.99E-09	3.08E-08	3.98E-10	4.02E-08	1.02E-09	5.39E-09	9.46E-11	6.51E-09	9.27E-10	2.82E-09	2.86E-11	3.78E-09
10133	471700.27	3819337.58	1.07E-08	4.16E-08	5.52E-10	5.29E-08	8.94E-09	3.06E-08	3.96E-10	3.99E-08	1.01E-09	5.36E-09	9.41E-11	6.47E-09	9.22E-10	2.81E-09	2.85E-11	3.76E-09
10134	471700.36	3819327.93	1.07E-08	4.14E-08	5.48E-10	5.26E-08	8.88E-09	3.04E-08	3.93E-10	3.97E-08	1.01E-09	5.32E-09	9.35E-11	6.42E-09	9.16E-10	2.79E-09	2.83E-11	3.73E-09
10135	471700.44	3819318.28	1.06E-08	4.11E-08	5.44E-10	5.22E-08	8.82E-09	3.02E-08	3.91E-10	3.94E-08	1.00E-09	5.29E-09	9.28E-11	6.38E-09	9.09E-10	2.77E-09	2.81E-11	3.71E-09
10136	471700.52	3819308.63	1.05E-08	4.08E-08	5.40E-10	5.19E-08	8.76E-09	3.00E-08	3.88E-10	3.91E-08	9.93E-10	5.25E-09	9.22E-11	6.34E-09	9.03E-10	2.75E-09	2.79E-11	3.68E-09
10137	471700.6	3819298.99	1.04E-08	4.05E-08	5.36E-10	5.15E-08	8.70E-09	2.98E-08	3.85E-10	3.88E-08	9.86E-10	5.21E-09	9.15E-11	6.29E-09	8.96E-10	2.73E-09	2.77E-11	3.65E-09
10138	471700.69	3819289.34	1.04E-08	4.02E-08	5.32E-10	5.11E-08	8.63E-09	2.95E-08	3.82E-10	3.85E-08	9.78E-10	5.17E-09	9.07E-11	6.24E-09	8.89E-10	2.71E-09	2.75E-11	3.62E-09
10139	471700.77	3819279.69	1.03E-08	3.98E-08	5.28E-10	5.06E-08	8.56E-09	2.93E-08	3.79E-10	3.82E-08	9.70E-10	5.13E-09	9.00E-11	6.19E-09	8.82E-10	2.69E-09	2.72E-11	3.59E-09
10140	471700.85	3819270.04	1.02E-08	3.95E-08	5.23E-10	5.02E-08	8.48E-09	2.90E-08	3.75E-10	3.79E-08	9.61E-10	5.08E-09	8.92E-11	6.13E-09	8.74E-10	2.66E-09	2.70E-11	3.56E-09
10141	471700.94	3819260.39	1.01E-08	3.91E-08	5.18E-10	4.97E-08	8.40E-09	2.88E-08	3.72E-10	3.75E-08	9.53E-10	5.04E-09	8.84E-11	6.08E-09	8.66E-10	2.64E-09	2.67E-11	3.53E-09
10142	471775.43	3819472.52	1.03E-08	3.98E-08	5.28E-10	5.06E-08	8.55E-09	2.93E-08	3.79E-10	3.82E-08	9.70E-10	5.13E-09	9.00E-11	6.19E-09	8.81E-10	2.68E-09	2.72E-11	3.59E-09
10143	471771.67	3819481.35	1.03E-08	4.01E-08	5.31E-10	5.10E-08	8.61E-09	2.95E-08	3.81E-10	3.85E-08	9.76E-10	5.16E-09	9.06E-11	6.23E-09	8.87E-10	2.70E-09	2.74E-11	3.62E-09
10144	471767.91	3819490.18	1.04E-08	4.04E-08	5.35E-10	5.13E-08	8.67E-09	2.97E-08	3.84E-10	3.87E-08	9.83E-10	5.20E-09	9.12E-11	6.27E-09	8.93E-10	2.72E-09	2.76E-11	3.64E-09
10145	471764.15	3819499.01	1.05E-08	4.06E-08	5.38E-10	5.16E-08	8.72E-09	2.98E-08	3.86E-10	3.90E-08	9.89E-10	5.23E-09	9.18E-11	6.31E-09	8.99E-10	2.74E-09	2.78E-11	3.66E-09
10146	471760.39	3819507.84	1.05E-08	4.09E-08	5.41E-10	5.19E-08	8.78E-09	3.00E-08	3.89E-10	3.92E-08	9.95E-10	5.26E-09	9.23E-11	6.35E-09	9.05E-10	2.75E-09	2.79E-11	3.69E-09
10147	471756.63	3819516.67	1.06E-08	4.11E-08	5.45E-10	5.23E-08	8.83E-09	3.02E-08	3.91E-10	3.94E-08	1.00E-09	5.29E-09	9.29E-11	6.39E-09	9.10E-10	2.77E-09	2.81E-11	3.71E-09
10148	471752.87	3819525.5	1.07E-08	4.14E-08	5.48E-10	5.26E-08	8.88E-09	3.04E-08	3.93E-10	3.97E-08	1.01E-09	5.32E-09	9.35E-11	6.42E-09	9.16E-10	2.79E-09	2.83E-11	3.73E-09
10149	471749.11	3819534.34	1.07E-08	4.16E-08	5.51E-10	5.29E-08	8.93E-09	3.06E-08	3.96E-10	3.99E-08	1.01E-09	5.36E-09	9.40E-11	6.46E-09	9.21E-10	2.80E-09	2.84E-11	3.75E-09
10150	471745.35	3819543.17	1.08E-08	4.18E-08	5.54E-10	5.32E-08	8.99E-09	3.07E-08	3.98E-10	4.01E-08	1.02E-09	5.39E-09	9.45E-11	6.50E-09	9.26E-10	2.82E-09	2.86E-11	3.77E-09
10151	471741.59	3819552	1.09E-08	4.21E-08	5.57E-10	5.35E-08	9.04E-09	3.09E-08	4.00E-10	4.04E-08	1.02E-09	5.42E-09	9.51E-11	6.54E-09	9.31E-10	2.84E-09	2.88E-11	3.80E-09
10152	471737.83	3819560.83	1.09E-08	4.23E-08	5.60E-10	5.38E-08	9.09E-09	3.11E-08	4.02E-10	4.06E-08	1.03E-09	5.45E-09	9.56E-11	6.57E-09	9.36E-10	2.85E-09	2.89E-11	3.82E-09
10153	471734.07	3819569.66	1.10E-08	4.25E-08	5.63E-10	5.41E-08	9.13E-09	3.13E-08	4.04E-10	4.08E-08	1.04E-09	5.48E-09	9.61E-11	6.61E-09	9.41E-10	2.87E-09	2.91E-11	3.84E-09
10154	471730.31	3819578.49	1.10E-08	4.28E-08	5.66E-10	5.43E-08	9.18E-09	3.14E-08	4.07E-10	4.10E-08	1.04E-09	5.50E-09	9.66E-11	6.64E-09	9.46E-10	2.88E-09	2.92E-11	3.86E-09
10155	471726.55	3819587.32	1.11E-08	4.30E-08	5.69E-10	5.46E-08	9.23E-09	3.16E-08	4.09E-10	4.12E-08	1.05E-09	5.53E-09	9.71E-11	6.68E-09	9.51E-10	2.90E-09	2.94E-11	3.88E-09
10156	471722.78	3819596.15	1.11E-08	4.32E-08	5.72E-10	5.49E-08	9.28E-09	3.18E-08	4.11E-10	4.14E-08	1.05E-09	5.56E-09	9.76E-11	6.71E-09	9.56E-10	2.91E-09	2.95E-11	3.90E-09
10157	471719.02	3819604.98	1.12E-08	4.34E-08	5.75E-10	5.52E-08	9.32E-09	3.19E-08	4.13E-10	4.16E-08	1.06E-09	5.59E-09	9.81E-11	6.74E-09	9.61E-10	2.93E-09	2.97E-11	3.92E-09
10158	471715.26	3819613.81	1.13E-08	4.36E-08	5.78E-10	5.55E-08	9.37E-09	3.21E-08	4.15E-10	4.19E-08	1.06E-09	5.62E-09	9.86E-11	6.78E-09	9.66E-10	2.94E-09	2.98E-11	3.94E-09
10159	471711.5	3819622.64	1.13E-08	4.39E-08	5.81E-10	5.57E-08	9.42E-09	3.22E-08	4.17E-10	4.21E-08	1.07E-09	5.65E-09	9.91E-11	6.81E-09	9.71E-10	2.96E-09	3.00E-11	3.96E-09
10160	471707.74	3819631.47	1.14E-08	4.41E-08	5.84E-10	5.60E-08	9.46E-09	3.24E-08	4.19E-10	4.23E-08	1.07E-09	5.67E-09	9.96E-11	6.85E-09	9.75E-10	2.97E-09	3.01E-11	3.98E-09
10161	471703.98	3819640.3	1.14E-08	4.43E-08	5.87E-10	5.63E-08	9.51E-09	3.25E-08	4.21E-10	4.25E-08	1.08E-09	5.70E-09	1.00E-10	6.88E-09	9.80E-10	2.98E-09	3.03E-11	3.99E-09
10162	471700.22	3819649.13	1.15E-08	4.45E-08	5.89E-10	5.66E-08	9.56E-09	3.27E-08	4.23E-10	4.27E-08	1.08E-09	5.73E-09	1.01E-10	6.91E-09	9.85E-10	3.00E-09	3.04E-11	4.01E-09
10163	471696.46	3819657.96	1.15E-08	4.47E-08	5.92E-10	5.68E-08	9.60E-09	3.28E-08	4.25E-10	4.29E-08	1.09E-09	5.75E-09	1.01E-10	6.94E-09	9.89E-10	3.01E-09	3.06E-11	4.03E-09
10164	471688.94	3819675.62	1.16E-08	4.51E-08	5.98E-10	5.74E-08	9.69E-09	3.32E-08	4.29E-10	4.33E-08	1.10E-09	5.81E-09	1.02E-10	7.01E-09	9.99E-10	3.04E-09	3.08E-11	4.07E-09
10165	471685.18	3819684.45	1.17E-08	4.53E-08	6.01E-10	5.76E-08	9.74E-09	3.33E-08	4.31E-10	4.35E-08	1.10E-09	5.84E-09	1.02E-10	7.04E-09	1.00E-09	3.06E-09	3.10E-11	4.09E-09
10166	471681.42	3819693.28	1.17E-08	4.56E-08	6.03E-10	5.79E-08	9.78E-09	3.35E-08	4.33E-10	4.37E-08	1.11E-09	5.86E-09	1.03E-10	7.08E-09	1.01E-09	3.07E-09	3.11E-11	4.11E-09
10167	471677.66	3819702.11	1.18E-08	4.58E-08	6.06E-10	5.82E-08	9.83E-09	3.36E-08	4.35E-10	4.39E-08	1.11E-09	5.89E-09	1.03E-10	7.11E-09	1.01E-09	3.08E-09	3.13E-11	4.13E-09
10168	471673.9	3819710.95	1.19E-08	4.60E-08	6.09E-10	5.84E-08	9.87E-09	3.38E-08	4.37E-10	4.41E-08	1.12E-09	5.92E-09	1.04E-10	7.14E-09	1.02E-09	3.10E-09	3.14E-11	4.15E-09
10169	471670.14	3819719.78	1.19E-08	4.62E-08	6.12E-10	5.87E-08	9.92E-09	3.39E-08	4.39E-10	4.43E-08	1.12E-09	5.94E-09	1.04E-10	7.17E-09	1.02E-09	3.11E-09	3.16E-11	4.17E-09
10170	471666.37	3819728.61	1.20E-08	4.64E-08	6.14E-10	5.90E-08	9.96E-09	3.41E-08	4.41E-10	4.45E-08	1.13E-09	5.97E-09	1.05E-10	7.20E-09	1.03E-09	3.13E-09	3.17E-11	4.18E-09
10171	471662.61	3819737.44	1.20E-08	4.66E-08	6.17E-10	5.92E-08	1.00E-08	3.42E-08	4.43E-10	4.47E-08	1.13E-09	6.00E-09	1.05E-10	7.24E-09	1.03E-09	3.14E-09	3.18E-11	4.20E-09
10172	471658.85	3819746.27	1.21E-08	4.68E-08	6.20E-10	5.95E-08	1.00E-08	3.44E-08	4.45E-10	4.49E-08	1.14E-09	6.02E-09	1.06E-10	7.27E-09	1.04E-09	3.15E-09	3.20E-11	4.22E

10173	471655.09	3819755.1	1.21E-08	4.70E-08	6.22E-10	5.97E-08	1.01E-08	3.45E-08	4.47E-10	4.51E-08	1.14E-09	6.05E-09	1.06E-10	7.30E-09	1.04E-09	3.17E-09	3.21E-11	4.24E-09
10174	471651.33	3819763.93	1.22E-08	4.72E-08	6.25E-10	6.00E-08	1.01E-08	3.47E-08	4.49E-10	4.53E-08	1.15E-09	6.07E-09	1.07E-10	7.33E-09	1.04E-09	3.18E-09	3.23E-11	4.26E-09
10175	471647.57	3819772.76	1.22E-08	4.74E-08	6.28E-10	6.02E-08	1.02E-08	3.48E-08	4.51E-10	4.54E-08	1.15E-09	6.10E-09	1.07E-10	7.36E-09	1.05E-09	3.19E-09	3.24E-11	4.27E-09
10176	471643.81	3819781.59	1.23E-08	4.76E-08	6.30E-10	6.05E-08	1.02E-08	3.50E-08	4.52E-10	4.56E-08	1.16E-09	6.12E-09	1.07E-10	7.39E-09	1.05E-09	3.21E-09	3.25E-11	4.29E-09
10177	471640.05	3819790.42	1.23E-08	4.78E-08	6.33E-10	6.07E-08	1.03E-08	3.51E-08	4.54E-10	4.58E-08	1.16E-09	6.15E-09	1.08E-10	7.42E-09	1.06E-09	3.22E-09	3.26E-11	4.31E-09
10178	471636.29	3819799.25	1.24E-08	4.79E-08	6.35E-10	6.09E-08	1.03E-08	3.52E-08	4.56E-10	4.60E-08	1.17E-09	6.17E-09	1.08E-10	7.45E-09	1.06E-09	3.23E-09	3.28E-11	4.33E-09
10179	471632.53	3819808.08	1.24E-08	4.81E-08	6.38E-10	6.12E-08	1.03E-08	3.54E-08	4.58E-10	4.62E-08	1.17E-09	6.20E-09	1.09E-10	7.48E-09	1.07E-09	3.24E-09	3.29E-11	4.34E-09
10180	471628.77	3819816.91	1.25E-08	4.83E-08	6.40E-10	6.14E-08	1.04E-08	3.55E-08	4.59E-10	4.63E-08	1.18E-09	6.22E-09	1.09E-10	7.50E-09	1.07E-09	3.26E-09	3.30E-11	4.36E-09
10181	471625.01	3819825.74	1.25E-08	4.85E-08	6.42E-10	6.16E-08	1.04E-08	3.56E-08	4.61E-10	4.65E-08	1.18E-09	6.24E-09	1.10E-10	7.53E-09	1.07E-09	3.27E-09	3.31E-11	4.37E-09
10182	471621.25	3819834.57	1.25E-08	4.86E-08	6.44E-10	6.18E-08	1.04E-08	3.57E-08	4.63E-10	4.66E-08	1.18E-09	6.26E-09	1.10E-10	7.56E-09	1.08E-09	3.28E-09	3.32E-11	4.39E-09
10183	471617.49	3819843.4	1.26E-08	4.88E-08	6.46E-10	6.20E-08	1.05E-08	3.59E-08	4.64E-10	4.68E-08	1.19E-09	6.28E-09	1.10E-10	7.58E-09	1.08E-09	3.29E-09	3.34E-11	4.40E-09
10184	471602.44	3819878.73	1.27E-08	4.93E-08	6.54E-10	6.27E-08	1.06E-08	3.63E-08	4.69E-10	4.73E-08	1.20E-09	6.35E-09	1.11E-10	7.66E-09	1.09E-09	3.33E-09	3.37E-11	4.45E-09
10185	471598.68	3819887.56	1.28E-08	4.95E-08	6.55E-10	6.29E-08	1.06E-08	3.63E-08	4.70E-10	4.74E-08	1.20E-09	6.37E-09	1.12E-10	7.68E-09	1.09E-09	3.33E-09	3.38E-11	4.46E-09
10186	471594.92	3819896.39	1.28E-08	4.96E-08	6.57E-10	6.30E-08	1.06E-08	3.64E-08	4.71E-10	4.75E-08	1.21E-09	6.38E-09	1.12E-10	7.70E-09	1.10E-09	3.34E-09	3.39E-11	4.47E-09
10187	471591.16	3819905.22	1.28E-08	4.97E-08	6.58E-10	6.31E-08	1.07E-08	3.65E-08	4.72E-10	4.76E-08	1.21E-09	6.39E-09	1.12E-10	7.72E-09	1.10E-09	3.35E-09	3.39E-11	4.48E-09
10188	471587.4	3819914.05	1.28E-08	4.98E-08	6.59E-10	6.32E-08	1.07E-08	3.66E-08	4.73E-10	4.77E-08	1.21E-09	6.40E-09	1.12E-10	7.73E-09	1.10E-09	3.35E-09	3.40E-11	4.49E-09
10189	471583.64	3819922.88	1.29E-08	4.98E-08	6.60E-10	6.33E-08	1.07E-08	3.66E-08	4.74E-10	4.78E-08	1.21E-09	6.42E-09	1.13E-10	7.74E-09	1.10E-09	3.36E-09	3.41E-11	4.50E-09
10190	471579.88	3819931.71	1.29E-08	4.99E-08	6.61E-10	6.34E-08	1.07E-08	3.67E-08	4.75E-10	4.79E-08	1.22E-09	6.42E-09	1.13E-10	7.75E-09	1.10E-09	3.36E-09	3.41E-11	4.50E-09
10191	471576.12	3819940.54	1.29E-08	5.00E-08	6.62E-10	6.35E-08	1.07E-08	3.67E-08	4.75E-10	4.79E-08	1.22E-09	6.43E-09	1.13E-10	7.76E-09	1.11E-09	3.37E-09	3.42E-11	4.51E-09
10192	471572.36	3819949.37	1.29E-08	5.00E-08	6.63E-10	6.36E-08	1.07E-08	3.68E-08	4.76E-10	4.80E-08	1.22E-09	6.44E-09	1.13E-10	7.77E-09	1.11E-09	3.37E-09	3.42E-11	4.51E-09
10193	471568.6	3819958.2	1.29E-08	5.01E-08	6.63E-10	6.36E-08	1.08E-08	3.68E-08	4.76E-10	4.80E-08	1.22E-09	6.44E-09	1.13E-10	7.78E-09	1.11E-09	3.37E-09	3.42E-11	4.52E-09
10194	471564.84	3819967.03	1.29E-08	5.01E-08	6.64E-10	6.37E-08	1.08E-08	3.68E-08	4.76E-10	4.81E-08	1.22E-09	6.45E-09	1.13E-10	7.78E-09	1.11E-09	3.38E-09	3.42E-11	4.52E-09
10195	471561.08	3819975.86	1.29E-08	5.01E-08	6.64E-10	6.37E-08	1.08E-08	3.68E-08	4.77E-10	4.81E-08	1.22E-09	6.45E-09	1.13E-10	7.79E-09	1.11E-09	3.38E-09	3.43E-11	4.52E-09
10196	471557.31	3819984.69	1.29E-08	5.01E-08	6.64E-10	6.37E-08	1.08E-08	3.68E-08	4.77E-10	4.81E-08	1.22E-09	6.45E-09	1.13E-10	7.79E-09	1.11E-09	3.38E-09	3.43E-11	4.52E-09
10197	471553.55	3819993.52	1.29E-08	5.01E-08	6.64E-10	6.37E-08	1.08E-08	3.68E-08	4.77E-10	4.81E-08	1.22E-09	6.46E-09	1.13E-10	7.79E-09	1.11E-09	3.38E-09	3.43E-11	4.52E-09
10198	471549.79	3820002.35	1.29E-08	5.01E-08	6.64E-10	6.37E-08	1.08E-08	3.68E-08	4.77E-10	4.81E-08	1.22E-09	6.46E-09	1.13E-10	7.79E-09	1.11E-09	3.38E-09	3.43E-11	4.52E-09
10199	471546.03	3820011.18	1.29E-08	5.01E-08	6.64E-10	6.37E-08	1.08E-08	3.68E-08	4.77E-10	4.81E-08	1.22E-09	6.45E-09	1.13E-10	7.79E-09	1.11E-09	3.38E-09	3.43E-11	4.52E-09
10200	471542.27	3820020.01	1.29E-08	5.01E-08	6.64E-10	6.37E-08	1.08E-08	3.68E-08	4.77E-10	4.81E-08	1.22E-09	6.45E-09	1.13E-10	7.79E-09	1.11E-09	3.38E-09	3.43E-11	4.52E-09
10201	471538.51	3820028.84	1.29E-08	5.01E-08	6.64E-10	6.37E-08	1.08E-08	3.68E-08	4.76E-10	4.80E-08	1.22E-09	6.45E-09	1.13E-10	7.78E-09	1.11E-09	3.38E-09	3.42E-11	4.52E-09
10202	471534.75	3820037.67	1.29E-08	5.01E-08	6.63E-10	6.36E-08	1.08E-08	3.68E-08	4.76E-10	4.80E-08	1.22E-09	6.44E-09	1.13E-10	7.78E-09	1.11E-09	3.37E-09	3.42E-11	4.52E-09
10203	471530.99	3820046.5	1.29E-08	5.00E-08	6.63E-10	6.36E-08	1.07E-08	3.68E-08	4.76E-10	4.80E-08	1.22E-09	6.44E-09	1.13E-10	7.77E-09	1.11E-09	3.37E-09	3.42E-11	4.51E-09
10204	471527.23	3820055.34	1.29E-08	5.00E-08	6.62E-10	6.35E-08	1.07E-08	3.67E-08	4.75E-10	4.79E-08	1.22E-09	6.43E-09	1.13E-10	7.76E-09	1.11E-09	3.37E-09	3.42E-11	4.51E-09
10205	471523.47	3820064.17	1.29E-08	4.99E-08	6.62E-10	6.35E-08	1.07E-08	3.67E-08	4.75E-10	4.79E-08	1.22E-09	6.43E-09	1.13E-10	7.76E-09	1.11E-09	3.37E-09	3.41E-11	4.51E-09
10206	471519.71	3820073	1.29E-08	4.99E-08	6.61E-10	6.34E-08	1.07E-08	3.67E-08	4.74E-10	4.78E-08	1.21E-09	6.42E-09	1.13E-10	7.75E-09	1.10E-09	3.36E-09	3.41E-11	4.50E-09
10207	471515.95	3820081.83	1.28E-08	4.98E-08	6.60E-10	6.33E-08	1.07E-08	3.66E-08	4.74E-10	4.78E-08	1.21E-09	6.41E-09	1.13E-10	7.74E-09	1.10E-09	3.36E-09	3.41E-11	4.50E-09
10208	471512.19	3820090.66	1.28E-08	4.98E-08	6.59E-10	6.32E-08	1.07E-08	3.66E-08	4.73E-10	4.77E-08	1.21E-09	6.40E-09	1.12E-10	7.73E-09	1.10E-09	3.35E-09	3.40E-11	4.49E-09
10209	471508.43	3820099.49	1.28E-08	4.97E-08	6.58E-10	6.32E-08	1.07E-08	3.65E-08	4.73E-10	4.77E-08	1.21E-09	6.40E-09	1.12E-10	7.72E-09	1.10E-09	3.35E-09	3.40E-11	4.48E-09
10210	471504.67	3820108.32	1.28E-08	4.96E-08	6.57E-10	6.31E-08	1.07E-08	3.65E-08	4.72E-10	4.76E-08	1.21E-09	6.39E-09	1.12E-10	7.71E-09	1.10E-09	3.34E-09	3.39E-11	4.48E-09
10211	471500.9	3820117.15	1.28E-08	4.96E-08	6.56E-10	6.30E-08	1.06E-08	3.64E-08	4.71E-10	4.75E-08	1.21E-09	6.38E-09	1.12E-10	7.70E-09	1.10E-09	3.34E-09	3.39E-11	4.47E-09
10212	471497.14	3820125.98	1.28E-08	4.95E-08	6.55E-10	6.29E-08	1.06E-08	3.64E-08	4.70E-10	4.74E-08	1.20E-09	6.37E-09	1.12E-10	7.68E-09	1.09E-09	3.33E-09	3.38E-11	4.46E-09
10213	471493.38	3820134.81	1.27E-08	4.94E-08	6.54E-10	6.28E-08	1.06E-08	3.63E-08	4.70E-10	4.74E-08	1.20E-09	6.36E-09	1.12E-10	7.67E-09	1.09E-09	3.33E-09	3.38E-11	4.46E-09
10214	471489.62	3820143.64	1.27E-08	4.93E-08	6.54E-10	6.27E-08	1.06E-08	3.62E-08	4.69E-10	4.73E-08	1.20E-09	6.35E-09	1.11E-10	7.66E-09	1.09E-09	3.32E-09	3.37E-11	4.45E-09
10215	471485.86	3820152.47	1.27E-08	4.93E-08	6.53E-10	6.26E-08	1.06E-08	3.62E-08	4.68E-10	4.72E-08	1.20E-09	6.34E-09	1.11E-10	7.65E-09	1.09E-09	3.32E-09	3.37E-11	4.44E-09
10216	471482.1	3820161.3	1.27E-08	4.92E-08	6.52E-10	6.25E-08	1.06E-08	3.61E-08	4.68E-10	4.72E-08	1.20E-09	6.33E-09	1.11E-10	7.64E-09	1.09E-09	3.32E-09	3.36E-11	4.44E-09
10217	471478.34	3820170.13	1.27E-08	4.91E-08	6.51E-10	6.24E-08	1.05E-08	3.61E-08	4.67E-10	4.71E-08	1.20E-09	6.32E-09	1.11E-10	7.63E-09	1.09E-09	3.31E-09	3.36E-11	4.43E-09
10218	471474.58	3820178.96	1.26E-08	4.90E-08	6.50E-10	6.23E-08	1.05E-08	3.60E-08	4.66E-10	4.70E-08	1.19E-09	6.31E-09	1.11E-10	7.62E-09	1.09E-09	3.31E-09	3.35E-11	4.43E-09
10219	471470.82	3820187.79	1.26E-08	4.90E-08	6.49E-10	6.23E-08	1.05E-08	3.60E-08	4.66E-10	4.70E-08	1.19E-09	6.30E-09	1.11E-10	7.61E-09	1.08E-09	3.30E-09	3.35E-11	4.42E-09
10220	471467.06	3820196.62	1.26E-08	4.89E-08	6.48E-10	6.22E-08	1.05E-08	3.59E-08	4.65E-10	4.69E-08	1.19E-09	6.30E-09	1.11E-10	7.60E-09	1.08E-09	3.30E-09	3.34E-11	4.41E-09
10221	471463.3	3820205.45	1.26E-08	4.88E-08	6.47E-10	6.21E-08	1.05E-08	3.59E-08	4.64E-10	4.68E-08	1.19E-09	6.29E-09	1.10E-10	7.59E-09	1.08E-09	3.29E-09	3.34E-11	4.41E-09
10222	471459.54	3820214.28	1.26E-08	4.88E-08	6.46E-10	6.20E-08	1.05E-08	3.58E-08	4.64E-10	4.68E-08	1.19E-09	6.28E-09	1.10E-10	7.58E-09	1.08E-09	3.29E-09	3.33E-11	4.40E-09
10223	471455.78	3820223.12	1.26E-08	4.87E-08	6.45E-10	6.19E-08	1.05E-08	3.58E-08	4.63E-10	4.67E-08	1.19E-09	6.27E-09	1.10E-10	7.56E-09	1.08E-09	3.28E-09	3.33E-11	4.39E-09
10224	471452.02	3820231.95	1.25E-08	4.86E-08	6.44E-10	6.18E-08	1.04E-08	3.57E-08	4.62E-10	4.66E-08	1.18E-09	6.26E-09	1.10E-10	7.55E-09	1.08E-09	3.28E-09	3.32E-11	4.39E-09
10225	471448.26	3820240.78	1.25E-08	4.86E-08	6.43E-10	6.17E-08	1.04E-08	3.57E-08	4.62E-10	4.66E-08	1.18E-09	6.25E-09	1.10E-10	7.54E-09	1.07E-09	3.27E-09	3.32E-11	4.38E-09
10226	471444.49	3820249.61	1.25E-08	4.85E-08	6.42E-10	6.16E-08	1.04E-08	3.56E-08	4.61E-10	4.65E-08	1.18E-09	6.24E-09	1.10E-10	7.53E-09	1.07E-09	3.27E-09	3.31E-11	4.38E-09
10227	471440.73	3820258.44	1.25E-08	4.84E-08	6.42E-10	6.16E-08	1.04E-08	3.56E-08	4.60E-10	4.64E-08	1.18E-09	6.23E-09	1.09E-10	7.52E-09	1.07E-09	3.26E-09	3.31E-11	4.37E-09
10228	471436.97	3820267.27	1.25E-08	4.84E-08	6.41E-10	6.15E-08	1.04E-08	3.55E-08	4.60E-10	4.64E-08	1.18E-09	6.23E-09	1.09E-10	7.51E-09	1.07E-09	3.26E-09	3.31E-11	4.36E-09
10229	471433.21	3820276.1	1.25E-08	4.83E-08	6.40E-10	6.14E-08	1.04E-08	3.55E-08	4.59E-10	4.63E-08	1.18E-09	6.22E-09	1.09E-10	7.50E-09	1.07E-09	3.26E-09	3.30E-11	4.36E-09
10230	471429.45	3820284.93	1.24E-08	4.82E-08	6.39E-10	6.13E-08	1.04E-08	3.54E-08	4.59E-10	4.63E-08	1.17E-09	6.21E-09	1.09E-10	7.49E-09	1.07E-09	3.25E-09	3.30E-11	4.35E-09
10231	471425.69	3820293.76	1.24E-08	4.82E-08	6.38E-10	6.12E-08	1.03E-08	3.54E-08	4.58E-10	4.62E-08	1.17E-09	6.20E-09	1.09E-10	7.48E-09	1.07E-09	3.25E-09	3.29E-11	4.35E-09
10232	471421.93	3820302.59	1.24E-08	4.81E-08	6.37E-10	6.11E-08	1.03E-08	3.53E-08	4.57E-10	4.61E-08	1.17E-09	6.19E-09	1.09E-10	7.47E-09	1.06E-09	3.24E-09	3.29E-11	4.34E-09
10233	471418.17	3820311.42	1.24E-08	4.80E-08	6.36E-10	6.11E-08	1.03E-08	3.53E-08	4.57E-10	4.61E-08	1.17E-09	6.18E-09	1.09E-10	7.46E-09	1.06E-09	3.24E-09	3.28E-11	4.33E-09
10234	471414.41	3820320.25	1.24E-08	4.80E-08	6.36E-10	6.10E-08	1.03E-08	3.53E-08	4.56E-10	4.60E-08	1.17E-09	6.18E-09	1.08E-10	7.45E-09	1.06E-09	3.23E-09	3.28E-11	4.33E-09
10235	471410.65	3820329.08	1.24E-08	4.79E-08	6.35E-10	6.09E-08	1.03E-08	3.52E-08	4.56E-10	4.60E-08	1.17E-09	6.17E-09	1.08E-10	7.44E-09	1.06E-09	3.23E-09	3.28E-11	4.32E-09
10236	471406.89	3820337.91	1.23E-08	4.78E-08	6.34E-10	6.08E-08	1.03E-08	3.52E-08	4.55E-10	4.59E-08	1.17E-09	6.16E-09	1.08E-10	7.43E-09	1.06E-09	3.23E-09	3.27E-11	4.32E-09
10237	471403.13	3820346.74	1.23E-08	4.78E-08	6.33E-10	6.07E-08	1.03E-08	3.51E-08	4.54E-10	4.58E-08	1.16E-09	6.15E-09	1.08E-10	7.42E-09	1.06E-09	3.22E-09	3.27E-11	4.31E-09
10238	471399.37	3820355.57	1.23E-08	4.78E-08	6.33E-10	6.07E-08	1.03E-08	3.51E-08	4.54E-10	4.58E-08	1.16E-09	6.15E-09	1.08E-10	7.42E-09	1.06E-09	3.22E-09	3.26E-11	4.31E-09
10239	471395.61	3820364.4	1.23E-08	4.77E-08	6.32E-10	6.06E-08	1.02E-08	3.50E-08	4.53E-10	4.57E-08	1.16E-09	6.14E-09	1.08E-10	7.41E-09	1.06E-09	3.21E-09	3.26E-11	4.30E-09
10240	471391.85	3820373.23	1.23E-08	4.76E-08	6.31E-10	6.05E-08	1.02E-08	3.50E-08	4.53E-10	4.57E-08	1.16E-09	6.13E-09	1.08E-10	7.40E-09	1.05E-09	3.21E-09	3.25E-11	4.30E-09
10241	471388.08	3820382.06	1.23E-08	4.75E-08	6.30E-10	6.04E-08	1.02E-08	3.49E-08	4.52E-10	4.56E-08	1.16E-09	6.12E-09	1.07E-10	7.38E-09	1.05E-09	3.20E-09	3.25E-11	4.29E-09
10242	471384.32	3820390.89	1.22E-08	4.75E-08	6.29E-10	6.03E-08	1.02E-08	3.49E-08	4.51E-10	4.55E-08	1.16E-09	6.11E-09	1.07E-10	7.37E-09	1.05E-09	3.20E-09	3.24E-11	4.28E-09
10243	471380.56	3820399.73	1.22E-08	4.74E-08	6.28E-10	6.02E-08	1.02E-08	3.48E-08	4.50E-10	4.54E-08	1.15E-09	6.10E-09	1.07E-10	7.36E-09	1.05E-09	3.19E-09	3.24E-11	4.27E-09
10244	471376.8	3820408.56	1.22E-08	4.73E-08	6.26E-10	6.01E-08	1.02E-08	3.47E-08	4.50E-10	4.53E-08	1.15E-09	6.09E-09	1.07E-10	7.34E-09	1.05E-09	3.19E-09	3.23E-11	4.27E-09
10245	471373.04	3820417.39	1.22E-08	4.72E-08	6.25E-10	6.00E-08	1.01E-08	3.47E-08	4.49E-10	4.53E-08	1.15E-09	6.07E-09	1.07E-10	7.33E-09	1.04E-09	3.18E-09	3.23E-11	4.26E-09
10246	471369.28	3820426.22	1.21E-08	4.71E-08	6.24E-10	5.99E-08	1.01E-08	3.46E-08	4.48E-10	4.52E-08	1.15E-09	6.06E-09	1.06E-10	7.31E-09	1.04E-09	3.17E-09	3.22E-11	4.25E-09
10247	471365.52	3820435.05	1.21E-08	4.70E-08	6.22E-10	5.97E-08	1.01E-08	3.45E-08	4.47E-10	4.51E-08	1.14E-09	6.05E-09	1.06E-10	7.30E-09	1.04E-09	3.17E-09	3.21E-11	4.24E-09
10248	471361.76	3820443.88	1.21E-08	4.69E-08	6.21E-10	5.96E-08	1.01E-08	3.45E-08	4.46E-10	4.50E-08	1.14E-09	6.04E-09	1.06E-10	7.28E-09	1.04E-09	3.16E-09	3.20E-11	4.23E-09
10249	471358	3820452.71	1.21E-08	4.68E-08	6.20E-10	5.95E-08	1.00E-08	3.44E-08	4.45E-10	4.49E-08	1.14E-09	6.02E-09	1.06E-10	7.27E-09	1.04E-09	3.15E-09	3.20E-11	4.22E-09
10250	471354.24	3820461.54	1.20E-08	4.67E-08	6.18E-10	5.93E-08	1.00E-08	3.43E-08	4.44E-10	4.48E-08	1.14E-09	6.01E-09	1.05E-10	7.25E-09	1.03E-09	3.15E-09	3.19E-11	4.21E-09
10251	471350.48	3820470.37	1.20E-08	4.66E-08	6.17E-10	5.92E-08	1.00E-08	3.42E-08	4.43E-10	4.46E-08	1.13E-09	5.99E-09	1.05E-10	7.23E-09	1.03E-09	3.14E-09	3.18E-11	4.20E-09
10252	471346.72	3820479.2	1.20E-08	4.64E-08	6.15E-10	5.90E-08	9.97E-09	3.41E-08	4.42E-10	4.45E-08	1.13E-09	5.98E-09	1.05E-10	7.21E-09	1.03E-09	3.13E-09	3.17E-11	4.19E-09
10253	471342.96	3820488.03	1.19E-08	4.63E-08	6.14E-10	5.89E-08	9.95E-09	3.40E-08	4.40E-10	4.44E-08	1.13E-09	5.96E-09	1.05E-10	7.19E-09	1.03E-09	3.12E-09	3.17E-11	4.18E-09
10254	471339.2	3820496.86	1.19E-08	4.62E-08	6.12E-10	5.87E-08	9.92E-09	3.39E-08	4.39E-10	4.43E-08	1.12E-09	5.95E-09	1.04E-10	7.17E-09	1.02E-09	3.11E-09	3.16E-11	4.17E-09
10255	471335.44	3820505.69	1.19E-08	4.60E-08	6.10E-10	5.85E-08	9.89E-09	3.38E-08	4.38E-10	4.42E-08	1.12E-09	5.93E-09	1.04E-10	7.15E-09	1.02E-09	3.10E-09	3.15E-11	4.15E-09
10256	471331.67	3820514.52	1.18E-08	4.59E-08	6.08E-10	5.83E-08	9.86E-09	3.37E-08	4.36E-10	4.40E-08	1.12E-09	5.91E-09	1.04E-10	7.13E-09	1.02E-09	3.09E-09	3.14E-11	4.14E-09
10257	471319	3820526.91	1.19E-08	4.60E-08	6.09E-10	5.85E-08	9.88E-09	3.38E-08	4.37E-10	4.41E-08	1.12E-09	5.92E-09	1.04E-10	7.15E-09	1.02E-09	3.10E-09	3.14E-11	4.15E-09
10258	471310.09	3820530.47	1.19E-08	4.62E-08	6.12E-10	5.87E-08	9.92E-09	3.40E-08	4.39E-10	4.43E-08	1.13E-09	5.95E-09	1.04E-10	7.18E-09	1.02E-09	3.11E-09	3.16E-11	4.17E-09
10259	471301.18	3820534.04	1.20E-08	4.64E-08	6.15E-10	5.90E-08	9.97E-09	3.41E-08	4.42E-10	4.45E-08	1.13E-09	5.98E-09	1.05E-10	7.21E-09	1.03E-09	3.13E-09	3.17E-11	4.19E-09
10260	471292.26	3820537.6	1.20E-08	4.67E-08	6.18E-10	5.93E-08	1.00E-08	3.43E-08	4.44E-10	4.47E-08	1.14E-09	6.01E-09	1.05E-10	7.25E-09	1.03E-09	3.14E-09	3.19E-11	4.21E-09
10261	471283.35	3820541.16	1.21E-08	4.69E-08	6.21E-10	5.96E-08	1.01E-08	3.44E-08	4.46E-10	4.50E-08	1.14E-09	6.03E-09	1.06E-10	7.28E-09	1.04E-09	3.16E-09	3.20E-11	4.23E-09
10262	471247.7	3820555.4	1.23E-08	4.77E-08	6.32E-10	6.06E-08	1.02E-08	3.50E-08	4.53E-10	4.57E-08	1.16E-09	6.14E-09	1.08E-10	7.41E-09	1.06E-09	3.21E-09	3.26E-11	4.30E-09
10263	471238.79	3820558.96	1.23E-08	4.79E-08	6.34E-10	6.09E-08	1.03E-08	3.52E-08	4.55E-10	4.59E-08	1.17E-09	6.16E-09	1.08E-10	7.44E-09	1.06E-09	3.23E-09	3.27E-11	4.32E-09
10264	471229.87	3820562.52	1.24E-08	4.81E-08	6.37E-10	6.11E-08	1.03E-08	3.53E-08	4.57E-10	4.61E-08	1.17E-09	6.19E-09	1.09E-10	7.47E-09	1.06E-09	3.24E-09	3.29E-11	4.34E-09
10265	471220.96	3820566.09	1.24E-08	4.82E-08	6.39E-10	6.13E-08	1.04E-08	3.54E-08	4.59E-10	4.63E-08	1.17E-09	6.21E-09	1.09E-10	7.49E-09	1.07E-09	3.25E-09	3.30E-11	4.35E-09
10266	471212.05	3820569.65	1.25E-08	4.84E-08	6.42E-10	6.16E-08	1.04E-08	3.56E-08	4.60E-10	4.64E-08	1.18E-09	6.23E-09	1.09E-10	7.52E-09	1.07E-09	3.26E-09	3.31E-11	4.37E-09
10267	471203.13	3820573.21	1.25E-08	4.86E-08	6.44E-10	6.18E-08	1.04E-08	3.57E-08	4.62E-10	4.66E-08	1.18E-09	6.26E-09	1.10E-10	7.55E-09	1.08E-09	3.28E-09	3.32E-11	4.39E-09
10268	471194.22	3820576.77	1.26E-08	4.88E-08	6.46E-10	6.20E-08	1.05E-08	3.59E-08	4.64E-10	4.68E-08	1.19E-09	6.28E-09	1.10E-10	7.58E-09	1.08E-09	3.29E-09	3.34E-11	4.40

10269	471185.31	3820580.33	1.26E-08	4.90E-08	6.49E-10	6.23E-08	1.05E-08	3.60E-08	4.66E-10	4.70E-08	1.19E-09	6.30E-09	1.11E-10	7.61E-09	1.08E-09	3.30E-09	3.35E-11	4.42E-09
10270	471176.39	3820583.89	1.27E-08	4.91E-08	6.51E-10	6.25E-08	1.06E-08	3.61E-08	4.67E-10	4.71E-08	1.20E-09	6.33E-09	1.11E-10	7.63E-09	1.09E-09	3.31E-09	3.36E-11	4.43E-09
10271	471167.48	3820587.45	1.27E-08	4.93E-08	6.54E-10	6.27E-08	1.06E-08	3.62E-08	4.69E-10	4.73E-08	1.20E-09	6.35E-09	1.11E-10	7.66E-09	1.09E-09	3.32E-09	3.37E-11	4.45E-09
10272	471158.57	3820591.01	1.28E-08	4.95E-08	6.56E-10	6.29E-08	1.06E-08	3.64E-08	4.71E-10	4.75E-08	1.21E-09	6.37E-09	1.12E-10	7.69E-09	1.10E-09	3.34E-09	3.38E-11	4.47E-09
10273	471149.66	3820594.57	1.28E-08	4.97E-08	6.58E-10	6.32E-08	1.07E-08	3.65E-08	4.72E-10	4.76E-08	1.21E-09	6.40E-09	1.12E-10	7.72E-09	1.10E-09	3.35E-09	3.40E-11	4.48E-09
10274	471140.74	3820598.14	1.29E-08	4.99E-08	6.60E-10	6.34E-08	1.07E-08	3.66E-08	4.74E-10	4.78E-08	1.21E-09	6.42E-09	1.13E-10	7.74E-09	1.10E-09	3.36E-09	3.41E-11	4.50E-09
10275	471131.83	3820601.7	1.29E-08	5.00E-08	6.63E-10	6.36E-08	1.07E-08	3.68E-08	4.76E-10	4.80E-08	1.22E-09	6.44E-09	1.13E-10	7.77E-09	1.11E-09	3.37E-09	3.42E-11	4.51E-09
10276	471122.92	3820605.26	1.29E-08	5.02E-08	6.65E-10	6.38E-08	1.08E-08	3.69E-08	4.78E-10	4.82E-08	1.22E-09	6.46E-09	1.13E-10	7.80E-09	1.11E-09	3.38E-09	3.43E-11	4.53E-09
10277	471114	3820608.82	1.30E-08	5.04E-08	6.68E-10	6.41E-08	1.08E-08	3.70E-08	4.79E-10	4.83E-08	1.23E-09	6.49E-09	1.14E-10	7.83E-09	1.12E-09	3.40E-09	3.45E-11	4.55E-09
10278	471105.09	3820612.38	1.30E-08	5.06E-08	6.70E-10	6.43E-08	1.09E-08	3.72E-08	4.81E-10	4.85E-08	1.23E-09	6.51E-09	1.14E-10	7.86E-09	1.12E-09	3.41E-09	3.46E-11	4.57E-09
10279	471096.18	3820615.94	1.31E-08	5.08E-08	6.73E-10	6.46E-08	1.09E-08	3.73E-08	4.83E-10	4.87E-08	1.24E-09	6.54E-09	1.15E-10	7.89E-09	1.12E-09	3.42E-09	3.47E-11	4.58E-09
10280	471087.27	3820619.5	1.31E-08	5.10E-08	6.76E-10	6.48E-08	1.10E-08	3.75E-08	4.85E-10	4.89E-08	1.24E-09	6.56E-09	1.15E-10	7.92E-09	1.13E-09	3.44E-09	3.49E-11	4.60E-09
10281	471078.35	3820623.06	1.32E-08	5.12E-08	6.78E-10	6.51E-08	1.10E-08	3.76E-08	4.87E-10	4.91E-08	1.25E-09	6.59E-09	1.16E-10	7.95E-09	1.13E-09	3.45E-09	3.50E-11	4.62E-09
10282	471069.44	3820626.62	1.33E-08	5.14E-08	6.81E-10	6.54E-08	1.10E-08	3.78E-08	4.89E-10	4.93E-08	1.25E-09	6.62E-09	1.16E-10	7.99E-09	1.14E-09	3.47E-09	3.51E-11	4.64E-09
10283	471060.53	3820630.19	1.33E-08	5.16E-08	6.84E-10	6.56E-08	1.11E-08	3.79E-08	4.91E-10	4.95E-08	1.26E-09	6.65E-09	1.17E-10	8.02E-09	1.14E-09	3.48E-09	3.53E-11	4.66E-09
10284	471051.61	3820633.75	1.34E-08	5.18E-08	6.87E-10	6.59E-08	1.11E-08	3.81E-08	4.93E-10	4.97E-08	1.26E-09	6.67E-09	1.17E-10	8.05E-09	1.15E-09	3.49E-09	3.54E-11	4.68E-09
10285	471042.7	3820637.31	1.34E-08	5.21E-08	6.90E-10	6.62E-08	1.12E-08	3.83E-08	4.95E-10	4.99E-08	1.27E-09	6.70E-09	1.18E-10	8.09E-09	1.15E-09	3.51E-09	3.56E-11	4.70E-09
10286	471033.79	3820640.87	1.35E-08	5.23E-08	6.93E-10	6.65E-08	1.12E-08	3.84E-08	4.97E-10	5.02E-08	1.27E-09	6.73E-09	1.18E-10	8.12E-09	1.16E-09	3.53E-09	3.58E-11	4.72E-09
10287	471024.88	3820644.43	1.36E-08	5.26E-08	6.96E-10	6.68E-08	1.13E-08	3.86E-08	5.00E-10	5.04E-08	1.28E-09	6.77E-09	1.19E-10	8.16E-09	1.16E-09	3.54E-09	3.59E-11	4.74E-09
10288	471015.96	3820647.99	1.36E-08	5.28E-08	7.00E-10	6.71E-08	1.13E-08	3.88E-08	5.02E-10	5.07E-08	1.29E-09	6.80E-09	1.19E-10	8.21E-09	1.17E-09	3.56E-09	3.61E-11	4.77E-09
10289	471007.05	3820651.55	1.37E-08	5.31E-08	7.04E-10	6.75E-08	1.14E-08	3.90E-08	5.05E-10	5.09E-08	1.29E-09	6.84E-09	1.20E-10	8.25E-09	1.18E-09	3.58E-09	3.63E-11	4.79E-09
10290	470998.14	3820655.11	1.38E-08	5.34E-08	7.07E-10	6.79E-08	1.15E-08	3.92E-08	5.08E-10	5.12E-08	1.30E-09	6.87E-09	1.21E-10	8.29E-09	1.18E-09	3.60E-09	3.65E-11	4.82E-09
10291	470989.22	3820658.67	1.38E-08	5.37E-08	7.11E-10	6.83E-08	1.15E-08	3.95E-08	5.11E-10	5.15E-08	1.31E-09	6.91E-09	1.21E-10	8.34E-09	1.19E-09	3.62E-09	3.67E-11	4.84E-09
10292	470980.31	3820662.24	1.39E-08	5.40E-08	7.16E-10	6.87E-08	1.16E-08	3.97E-08	5.14E-10	5.18E-08	1.32E-09	6.95E-09	1.22E-10	8.39E-09	1.20E-09	3.64E-09	3.69E-11	4.87E-09
10293	470900.1	3820694.29	1.49E-08	5.79E-08	7.67E-10	7.36E-08	1.24E-08	4.25E-08	5.50E-10	5.55E-08	1.41E-09	7.45E-09	1.31E-10	8.99E-09	1.28E-09	3.90E-09	3.96E-11	5.22E-09
10294	470891.18	3820697.85	1.51E-08	5.84E-08	7.73E-10	7.42E-08	1.25E-08	4.29E-08	5.55E-10	5.60E-08	1.42E-09	7.51E-09	1.32E-10	9.07E-09	1.29E-09	3.93E-09	3.99E-11	5.27E-09
10295	470882.27	3820701.41	1.52E-08	5.89E-08	7.80E-10	7.48E-08	1.26E-08	4.33E-08	5.60E-10	5.65E-08	1.43E-09	7.58E-09	1.33E-10	9.15E-09	1.30E-09	3.97E-09	4.02E-11	5.31E-09
10296	470873.36	3820704.97	1.53E-08	5.94E-08	7.87E-10	7.55E-08	1.28E-08	4.36E-08	5.65E-10	5.70E-08	1.45E-09	7.65E-09	1.34E-10	9.23E-09	1.31E-09	4.00E-09	4.06E-11	5.36E-09
10297	470864.44	3820708.53	1.55E-08	5.99E-08	7.94E-10	7.62E-08	1.29E-08	4.40E-08	5.70E-10	5.75E-08	1.46E-09	7.72E-09	1.35E-10	9.31E-09	1.33E-09	4.04E-09	4.10E-11	5.41E-09
10298	470855.53	3820712.09	1.56E-08	6.05E-08	8.01E-10	7.69E-08	1.30E-08	4.44E-08	5.75E-10	5.80E-08	1.47E-09	7.79E-09	1.37E-10	9.40E-09	1.34E-09	4.08E-09	4.13E-11	5.46E-09
10299	470846.62	3820715.65	1.57E-08	6.10E-08	8.09E-10	7.76E-08	1.31E-08	4.48E-08	5.80E-10	5.85E-08	1.49E-09	7.86E-09	1.38E-10	9.48E-09	1.35E-09	4.11E-09	4.17E-11	5.51E-09
10300	470837.71	3820719.21	1.59E-08	6.16E-08	8.16E-10	7.83E-08	1.32E-08	4.53E-08	5.86E-10	5.91E-08	1.50E-09	7.93E-09	1.39E-10	9.57E-09	1.36E-09	4.15E-09	4.21E-11	5.56E-09
10301	470828.79	3820722.77	1.60E-08	6.22E-08	8.24E-10	7.90E-08	1.34E-08	4.57E-08	5.91E-10	5.96E-08	1.51E-09	8.01E-09	1.41E-10	9.66E-09	1.38E-09	4.19E-09	4.25E-11	5.61E-09
10302	470819.88	3820726.34	1.62E-08	6.28E-08	8.31E-10	7.98E-08	1.35E-08	4.61E-08	5.97E-10	6.02E-08	1.53E-09	8.08E-09	1.42E-10	9.75E-09	1.39E-09	4.23E-09	4.29E-11	5.66E-09
10303	470810.97	3820729.9	1.63E-08	6.33E-08	8.39E-10	8.05E-08	1.36E-08	4.65E-08	6.02E-10	6.07E-08	1.54E-09	8.15E-09	1.43E-10	9.83E-09	1.40E-09	4.27E-09	4.33E-11	5.71E-09
10304	470802.05	3820733.46	1.65E-08	6.39E-08	8.46E-10	8.12E-08	1.37E-08	4.69E-08	6.07E-10	6.13E-08	1.56E-09	8.22E-09	1.44E-10	9.92E-09	1.41E-09	4.30E-09	4.37E-11	5.76E-09
10305	470793.14	3820737.02	1.66E-08	6.44E-08	8.53E-10	8.18E-08	1.38E-08	4.73E-08	6.12E-10	6.18E-08	1.57E-09	8.29E-09	1.45E-10	1.00E-08	1.43E-09	4.34E-09	4.40E-11	5.81E-09
10306	470784.23	3820740.58	1.67E-08	6.49E-08	8.60E-10	8.25E-08	1.39E-08	4.77E-08	6.17E-10	6.22E-08	1.58E-09	8.35E-09	1.47E-10	1.01E-08	1.44E-09	4.37E-09	4.43E-11	5.85E-09
10307	470775.32	3820744.14	1.69E-08	6.54E-08	8.66E-10	8.31E-08	1.40E-08	4.80E-08	6.22E-10	6.27E-08	1.59E-09	8.42E-09	1.48E-10	1.02E-08	1.45E-09	4.41E-09	4.47E-11	5.90E-09
10308	470766.4	3820747.7	1.70E-08	6.59E-08	8.73E-10	8.37E-08	1.41E-08	4.84E-08	6.26E-10	6.32E-08	1.60E-09	8.48E-09	1.49E-10	1.02E-08	1.46E-09	4.44E-09	4.50E-11	5.94E-09
10309	470757.49	3820751.26	1.71E-08	6.64E-08	8.80E-10	8.44E-08	1.43E-08	4.88E-08	6.31E-10	6.37E-08	1.62E-09	8.55E-09	1.50E-10	1.03E-08	1.47E-09	4.48E-09	4.54E-11	5.99E-09
10310	470748.58	3820754.82	1.73E-08	6.69E-08	8.87E-10	8.51E-08	1.44E-08	4.92E-08	6.37E-10	6.42E-08	1.63E-09	8.62E-09	1.51E-10	1.04E-08	1.48E-09	4.51E-09	4.58E-11	6.04E-09
10311	470739.66	3820758.39	1.74E-08	6.75E-08	8.94E-10	8.58E-08	1.45E-08	4.96E-08	6.42E-10	6.47E-08	1.64E-09	8.69E-09	1.52E-10	1.05E-08	1.49E-09	4.55E-09	4.61E-11	6.09E-09
10312	470730.75	3820761.95	1.75E-08	6.80E-08	9.01E-10	8.65E-08	1.46E-08	5.00E-08	6.47E-10	6.53E-08	1.66E-09	8.76E-09	1.54E-10	1.06E-08	1.51E-09	4.59E-09	4.65E-11	6.14E-09
10313	470721.84	3820765.51	1.77E-08	6.86E-08	9.09E-10	8.72E-08	1.47E-08	5.04E-08	6.52E-10	6.58E-08	1.67E-09	8.83E-09	1.55E-10	1.07E-08	1.52E-09	4.62E-09	4.69E-11	6.19E-09
10314	470712.93	3820769.07	1.78E-08	6.91E-08	9.16E-10	8.79E-08	1.48E-08	5.08E-08	6.57E-10	6.63E-08	1.68E-09	8.90E-09	1.56E-10	1.07E-08	1.53E-09	4.66E-09	4.73E-11	6.24E-09
10315	470704.01	3820772.63	1.80E-08	6.97E-08	9.23E-10	8.85E-08	1.50E-08	5.12E-08	6.62E-10	6.68E-08	1.70E-09	8.97E-09	1.57E-10	1.08E-08	1.54E-09	4.69E-09	4.76E-11	6.28E-09
10316	470695.1	3820776.19	1.81E-08	7.02E-08	9.29E-10	8.92E-08	1.51E-08	5.16E-08	6.67E-10	6.73E-08	1.71E-09	9.03E-09	1.59E-10	1.09E-08	1.55E-09	4.73E-09	4.80E-11	6.33E-09
10317	470686.19	3820779.75	1.82E-08	7.07E-08	9.36E-10	8.98E-08	1.52E-08	5.19E-08	6.72E-10	6.78E-08	1.72E-09	9.09E-09	1.60E-10	1.10E-08	1.56E-09	4.76E-09	4.83E-11	6.37E-09
10318	470677.27	3820783.31	1.83E-08	7.11E-08	9.42E-10	9.04E-08	1.53E-08	5.23E-08	6.76E-10	6.82E-08	1.73E-09	9.16E-09	1.61E-10	1.10E-08	1.57E-09	4.79E-09	4.86E-11	6.42E-09
10319	470668.36	3820786.87	1.85E-08	7.16E-08	9.48E-10	9.10E-08	1.54E-08	5.26E-08	6.81E-10	6.87E-08	1.74E-09	9.21E-09	1.62E-10	1.11E-08	1.58E-09	4.82E-09	4.89E-11	6.46E-09
10320	470659.45	3820790.44	1.86E-08	7.20E-08	9.54E-10	9.15E-08	1.55E-08	5.29E-08	6.85E-10	6.91E-08	1.75E-09	9.27E-09	1.63E-10	1.12E-08	1.59E-09	4.85E-09	4.92E-11	6.50E-09
10321	470650.54	3820794	1.87E-08	7.24E-08	9.60E-10	9.21E-08	1.56E-08	5.32E-08	6.89E-10	6.95E-08	1.76E-09	9.32E-09	1.64E-10	1.13E-08	1.60E-09	4.88E-09	4.95E-11	6.53E-09
10322	470641.62	3820797.56	1.88E-08	7.28E-08	9.65E-10	9.26E-08	1.56E-08	5.35E-08	6.93E-10	6.99E-08	1.77E-09	9.38E-09	1.65E-10	1.13E-08	1.61E-09	4.91E-09	4.98E-11	6.57E-09
10323	470632.71	3820801.12	1.89E-08	7.32E-08	9.70E-10	9.31E-08	1.57E-08	5.38E-08	6.96E-10	7.02E-08	1.78E-09	9.43E-09	1.65E-10	1.14E-08	1.62E-09	4.94E-09	5.00E-11	6.61E-09
10324	470623.8	3820804.68	1.90E-08	7.36E-08	9.75E-10	9.35E-08	1.58E-08	5.41E-08	7.00E-10	7.06E-08	1.79E-09	9.47E-09	1.66E-10	1.14E-08	1.63E-09	4.96E-09	5.03E-11	6.64E-09
10325	470614.88	3820808.24	1.91E-08	7.39E-08	9.79E-10	9.39E-08	1.59E-08	5.43E-08	7.03E-10	7.09E-08	1.80E-09	9.51E-09	1.67E-10	1.15E-08	1.64E-09	4.98E-09	5.05E-11	6.67E-09
10326	470605.97	3820811.8	1.91E-08	7.42E-08	9.83E-10	9.43E-08	1.59E-08	5.45E-08	7.06E-10	7.12E-08	1.81E-09	9.55E-09	1.68E-10	1.15E-08	1.64E-09	5.00E-09	5.07E-11	6.70E-09
10327	470597.06	3820815.36	1.92E-08	7.45E-08	9.87E-10	9.47E-08	1.60E-08	5.48E-08	7.09E-10	7.15E-08	1.81E-09	9.59E-09	1.68E-10	1.16E-08	1.65E-09	5.02E-09	5.09E-11	6.72E-09
10328	470588.15	3820818.92	1.93E-08	7.48E-08	9.91E-10	9.51E-08	1.61E-08	5.50E-08	7.11E-10	7.17E-08	1.82E-09	9.63E-09	1.69E-10	1.16E-08	1.66E-09	5.04E-09	5.11E-11	6.75E-09
10329	470579.23	3820822.49	1.94E-08	7.51E-08	9.94E-10	9.54E-08	1.61E-08	5.51E-08	7.14E-10	7.20E-08	1.83E-09	9.66E-09	1.70E-10	1.17E-08	1.66E-09	5.06E-09	5.13E-11	6.77E-09
10330	470570.32	3820826.05	1.94E-08	7.53E-08	9.97E-10	9.57E-08	1.62E-08	5.53E-08	7.16E-10	7.22E-08	1.83E-09	9.69E-09	1.70E-10	1.17E-08	1.67E-09	5.07E-09	5.15E-11	6.79E-09
10331	470561.41	3820829.61	1.95E-08	7.55E-08	1.00E-09	9.60E-08	1.62E-08	5.55E-08	7.18E-10	7.24E-08	1.84E-09	9.72E-09	1.71E-10	1.17E-08	1.67E-09	5.09E-09	5.16E-11	6.81E-09
10332	470552.49	3820833.17	1.95E-08	7.57E-08	1.00E-09	9.62E-08	1.63E-08	5.56E-08	7.20E-10	7.26E-08	1.84E-09	9.75E-09	1.71E-10	1.18E-08	1.68E-09	5.10E-09	5.17E-11	6.83E-09
10333	470490.1	3820858.1	1.98E-08	7.68E-08	1.02E-09	9.76E-08	1.65E-08	5.64E-08	7.30E-10	7.36E-08	1.87E-09	9.88E-09	1.73E-10	1.19E-08	1.70E-09	5.18E-09	5.25E-11	6.93E-09
10334	470481.19	3820861.66	1.98E-08	7.69E-08	1.02E-09	9.77E-08	1.65E-08	5.65E-08	7.31E-10	7.37E-08	1.87E-09	9.90E-09	1.74E-10	1.19E-08	1.70E-09	5.18E-09	5.25E-11	6.94E-09
10335	470472.28	3820865.22	1.98E-08	7.69E-08	1.02E-09	9.78E-08	1.65E-08	5.65E-08	7.32E-10	7.38E-08	1.87E-09	9.90E-09	1.74E-10	1.20E-08	1.70E-09	5.19E-09	5.26E-11	6.94E-09
10336	470463.37	3820868.78	1.99E-08	7.70E-08	1.02E-09	9.79E-08	1.65E-08	5.66E-08	7.33E-10	7.39E-08	1.88E-09	9.92E-09	1.74E-10	1.20E-08	1.71E-09	5.19E-09	5.27E-11	6.95E-09
10337	470454.45	3820872.34	1.99E-08	7.71E-08	1.02E-09	9.80E-08	1.66E-08	5.67E-08	7.34E-10	7.40E-08	1.88E-09	9.93E-09	1.74E-10	1.20E-08	1.71E-09	5.20E-09	5.27E-11	6.96E-09
10338	470445.54	3820875.9	1.99E-08	7.73E-08	1.02E-09	9.82E-08	1.66E-08	5.68E-08	7.35E-10	7.41E-08	1.88E-09	9.94E-09	1.75E-10	1.20E-08	1.71E-09	5.21E-09	5.28E-11	6.97E-09
10339	470436.63	3820879.46	1.99E-08	7.73E-08	1.02E-09	9.83E-08	1.66E-08	5.68E-08	7.35E-10	7.42E-08	1.88E-09	9.96E-09	1.75E-10	1.20E-08	1.71E-09	5.21E-09	5.29E-11	6.98E-09
10340	470427.71	3820883.02	2.00E-08	7.74E-08	1.03E-09	9.84E-08	1.66E-08	5.69E-08	7.36E-10	7.43E-08	1.89E-09	9.97E-09	1.75E-10	1.20E-08	1.71E-09	5.22E-09	5.29E-11	6.99E-09
10341	470418.8	3820886.58	2.00E-08	7.75E-08	1.03E-09	9.85E-08	1.66E-08	5.70E-08	7.37E-10	7.43E-08	1.89E-09	9.98E-09	1.75E-10	1.20E-08	1.72E-09	5.23E-09	5.30E-11	6.99E-09
10342	470392.06	3820897.27	2.01E-08	7.78E-08	1.03E-09	9.89E-08	1.67E-08	5.72E-08	7.40E-10	7.46E-08	1.89E-09	1.00E-08	1.76E-10	1.21E-08	1.72E-09	5.25E-09	5.32E-11	7.02E-09
10343	470383.15	3820900.83	2.01E-08	7.80E-08	1.03E-09	9.91E-08	1.67E-08	5.73E-08	7.41E-10	7.48E-08	1.90E-09	1.00E-08	1.76E-10	1.21E-08	1.73E-09	5.25E-09	5.33E-11	7.03E-09
10344	470374.24	3820904.39	2.01E-08	7.81E-08	1.03E-09	9.93E-08	1.68E-08	5.74E-08	7.43E-10	7.49E-08	1.90E-09	1.01E-08	1.76E-10	1.21E-08	1.73E-09	5.26E-09	5.34E-11	7.05E-09
10345	470365.32	3820907.95	2.02E-08	7.83E-08	1.04E-09	9.95E-08	1.68E-08	5.75E-08	7.44E-10	7.50E-08	1.91E-09	1.01E-08	1.77E-10	1.22E-08	1.73E-09	5.27E-09	5.35E-11	7.06E-09
10346	470356.41	3820911.51	2.02E-08	7.84E-08	1.04E-09	9.97E-08	1.68E-08	5.76E-08	7.46E-10	7.52E-08	1.91E-09	1.01E-08	1.77E-10	1.22E-08	1.74E-09	5.29E-09	5.36E-11	7.08E-09
10347	470347.5	3820915.07	2.03E-08	7.86E-08	1.04E-09	9.99E-08	1.69E-08	5.78E-08	7.48E-10	7.54E-08	1.91E-09	1.01E-08	1.78E-10	1.22E-08	1.74E-09	5.30E-09	5.37E-11	7.09E-09
10348	470338.59	3820918.63	2.03E-08	7.88E-08	1.04E-09	1.00E-07	1.69E-08	5.79E-08	7.50E-10	7.56E-08	1.92E-09	1.01E-08	1.78E-10	1.22E-08	1.74E-09	5.31E-09	5.39E-11	7.11E-09
10349	470329.67	3820922.2	2.04E-08	7.90E-08	1.05E-09	1.00E-07	1.70E-08	5.81E-08	7.52E-10	7.58E-08	1.92E-09	1.02E-08	1.79E-10	1.23E-08	1.75E-09	5.33E-09	5.40E-11	7.13E-09
10350	470320.76	3820925.76	2.04E-08	7.93E-08	1.05E-09	1.01E-07	1.70E-08	5.82E-08	7.54E-10	7.60E-08	1.93E-09	1.02E-08	1.79E-10	1.23E-08	1.75E-09	5.34E-09	5.42E-11	7.15E-09
10351	470311.85	3820929.32	2.05E-08	7.95E-08	1.05E-09	1.01E-07	1.71E-08	5.84E-08	7.56E-10	7.63E-08	1.94E-09	1.02E-08	1.80E-10	1.24E-08	1.76E-09	5.36E-09	5.43E-11	7.17E-09
10352	470302.93	3820932.88	2.06E-08	7.98E-08	1.06E-09	1.01E-07	1.71E-08	5.86E-08	7.59E-10	7.65E-08	1.94E-09	1.03E-08	1.80E-10	1.24E-08	1.77E-09	5.38E-09	5.45E-11	7.20E-09
10353	470294.02	3820936.44	2.06E-08	8.00E-08	1.06E-09	1.02E-07	1.72E-08	5.88E-08	7.61E-10	7.68E-08	1.95E-09	1.03E-08	1.81E-10	1.24E-08	1.77E-09	5.40E-09	5.47E-11	7.22E-09
10354	470285.11	3820940	2.07E-08	8.03E-08	1.06E-09	1.02E-07	1.72E-08	5.90E-08	7.64E-10	7.70E-08	1.96E-09	1.03E-08	1.81E-10	1.25E-08	1.78E-09	5.41E-09	5.49E-11	7.25E-09
10355	470276.2	3820943.56	2.08E-08	8.06E-08	1.07E-09	1.02E-07	1.73E-08	5.92E-08	7.67E-10	7.73E-08	1.96E-09	1.04E-08	1.82E-10	1.25E-08	1.78E-09	5.43E-09	5.51E-11	7.27E-09
10356	470267.28	3820947.12	2.09E-08	8.09E-08	1.07E-09	1.03E-07	1.74E-08	5.94E-08	7.69E-10	7.76E-08	1.97E-09	1.04E-08	1.83E-10	1.26E-08	1.79E-09	5.45E-09	5.53E-11	7.30E-09
10357	471779.19	3819463.69	1.02E-08	3.96E-08	5.24E-10	5.03E-08	8.50E-09	2.91E-08	3.76E-10	3.79E-08	9.63E-10	5.09E-09	8.94E-11	6.14E-09	8.76E-10	2.67E-09	2.70E-11	3.57E-09
10358	471779.28	3819454.04	1.02E-08	3.95E-08	5.23E-10	5.02E-08	8.47E-09	2.90E-08	3.75E-10	3.78E-08	9.61E-10	5.08E-09	8.92E-11	6.13E-09	8.73E-10	2.66E-09	2.70E-11	3.56E-09
10359	471779.36	3819444.39	1.01E-08	3.93E-08	5.21E-10	5.00E-08	8.45E-09	2.89E-08	3.74E-10	3.77E-08	9.58E-10	5.06E-09	8.89E-11	6.11E-09	8.71E-10	2.65E-09	2.69E-11	3.55E-09
10360	471779.44	3819434.75	1.01E-08	3.92E-08	5.20E-10	4.99E-08	8.43E-09	2.88E-08	3.73E-10	3.76E-08	9.55E-10	5.05E-09	8.86E-11	6.09E-09	8.68E-10	2.64E-09	2.68E-11	3.54E-09
10361	471779.53	3819425.1	1.01E-08	3.91E-08	5.18E-10	4.97E-08	8.40E-09	2.87E-08	3.72E-10	3.75E-08	9.52E-10	5.03E-09	8.84E-11	6.07E-09	8.66E-10	2.64E-09	2.67E-11	3.53E-09
10362	471779.61	3819415.45	1.00E-08	3.90E-08	5.16E-10	4.95E-08	8.37E-09	2.86E-08	3.71E-10	3.74E-08	9.49E-10	5.02E-09	8.80E-11	6.05E-09	8.62E-10	2.63E-09	2.66E-11	3.52E-09
10363	471779.69	3819405.8	1.00E-08	3.88E-08	5.14E-10	4.93E-08	8.34E-09	2.85E-08	3.69E-10	3.72E-08	9.45E-10	5.00E-09	8.77E-11	6.03E-09	8.59E-10	2.62E-09	2.65E-11	3.50E-09
10364	471779.77	3819396.15	9.97E-09	3.87E-08	5.12E-10	4.91E-08	8.30E-09	2.84E-08	3.68E-10	3.71E-08	9.41E-10	4.98E-09	8.73E-11	6.00E-09	8.56E-10	2.61E-09	2.64E-11	3.49

10365	471779.86	3819386.51	9.92E-09	3.85E-08	5.10E-10	4.89E-08	8.27E-09	2.83E-08	3.66E-10	3.69E-08	9.37E-10	4.95E-09	8.70E-11	5.98E-09	8.52E-10	2.59E-09	2.63E-11	3.47E-09
10366	471779.94	3819376.86	9.88E-09	3.83E-08	5.07E-10	4.87E-08	8.23E-09	2.81E-08	3.64E-10	3.67E-08	9.33E-10	4.93E-09	8.65E-11	5.95E-09	8.48E-10	2.58E-09	2.62E-11	3.46E-09
10367	471780.02	3819367.21	9.83E-09	3.81E-08	5.05E-10	4.85E-08	8.19E-09	2.80E-08	3.62E-10	3.66E-08	9.28E-10	4.91E-09	8.61E-11	5.92E-09	8.44E-10	2.57E-09	2.61E-11	3.44E-09
10368	471780.1	3819357.56	9.78E-09	3.79E-08	5.02E-10	4.82E-08	8.14E-09	2.79E-08	3.61E-10	3.64E-08	9.23E-10	4.88E-09	8.57E-11	5.89E-09	8.39E-10	2.56E-09	2.59E-11	3.42E-09
10369	471780.19	3819347.91	9.72E-09	3.77E-08	5.00E-10	4.79E-08	8.10E-09	2.77E-08	3.59E-10	3.62E-08	9.18E-10	4.85E-09	8.52E-11	5.86E-09	8.35E-10	2.54E-09	2.58E-11	3.40E-09
10370	471780.27	3819338.26	9.66E-09	3.75E-08	4.97E-10	4.76E-08	8.05E-09	2.75E-08	3.56E-10	3.59E-08	9.13E-10	4.83E-09	8.47E-11	5.82E-09	8.30E-10	2.53E-09	2.56E-11	3.38E-09
10371	471780.35	3819328.62	9.61E-09	3.73E-08	4.94E-10	4.74E-08	8.00E-09	2.74E-08	3.54E-10	3.57E-08	9.07E-10	4.80E-09	8.42E-11	5.79E-09	8.25E-10	2.51E-09	2.55E-11	3.36E-09
10372	471780.44	3819318.97	9.54E-09	3.70E-08	4.90E-10	4.71E-08	7.95E-09	2.72E-08	3.52E-10	3.55E-08	9.01E-10	4.77E-09	8.36E-11	5.75E-09	8.19E-10	2.50E-09	2.53E-11	3.34E-09
10373	471780.52	3819309.32	9.48E-09	3.68E-08	4.87E-10	4.67E-08	7.90E-09	2.70E-08	3.50E-10	3.53E-08	8.95E-10	4.73E-09	8.31E-11	5.71E-09	8.14E-10	2.48E-09	2.51E-11	3.32E-09
10374	471780.6	3819299.67	9.41E-09	3.65E-08	4.84E-10	4.64E-08	7.84E-09	2.68E-08	3.47E-10	3.50E-08	8.89E-10	4.70E-09	8.25E-11	5.67E-09	8.08E-10	2.46E-09	2.49E-11	3.29E-09
10375	471780.68	3819290.02	9.34E-09	3.62E-08	4.80E-10	4.60E-08	7.78E-09	2.66E-08	3.45E-10	3.47E-08	8.82E-10	4.66E-09	8.19E-11	5.63E-09	8.02E-10	2.44E-09	2.48E-11	3.27E-09
10376	471780.77	3819280.38	9.27E-09	3.59E-08	4.76E-10	4.57E-08	7.72E-09	2.64E-08	3.42E-10	3.45E-08	8.75E-10	4.63E-09	8.12E-11	5.58E-09	7.96E-10	2.42E-09	2.46E-11	3.24E-09
10377	471780.85	3819270.73	9.19E-09	3.57E-08	4.72E-10	4.53E-08	7.66E-09	2.62E-08	3.39E-10	3.42E-08	8.68E-10	4.59E-09	8.06E-11	5.54E-09	7.89E-10	2.40E-09	2.44E-11	3.22E-09
10378	471780.93	3819261.08	9.12E-09	3.54E-08	4.68E-10	4.49E-08	7.59E-09	2.60E-08	3.36E-10	3.39E-08	8.61E-10	4.55E-09	7.99E-11	5.49E-09	7.83E-10	2.38E-09	2.42E-11	3.19E-09
10379	470104.7	3819448.4	2.08E-06	8.08E-06	1.07E-07	1.03E-05	1.74E-06	5.94E-06	7.69E-08	7.75E-06	1.97E-07	1.04E-06	1.83E-08	1.26E-06	1.79E-07	5.45E-07	5.52E-09	7.29E-07
10380	470108.95	3819236.14	1.14E-06	4.44E-06	5.88E-08	5.64E-06	9.53E-07	3.26E-06	4.22E-08	4.26E-06	1.08E-07	5.71E-07	1.00E-08	6.89E-07	9.82E-08	2.99E-07	3.03E-09	4.00E-07
10381	470281.07	3819238.57	1.91E-06	7.43E-06	9.84E-08	9.44E-06	1.60E-06	5.46E-06	7.06E-08	7.12E-06	1.81E-07	9.56E-07	1.68E-08	1.15E-06	1.64E-07	5.01E-07	5.08E-09	6.70E-07
10382	470279.25	3819450.83	2.44E-06	9.46E-06	1.25E-07	1.20E-05	2.03E-06	6.95E-06	8.99E-08	9.07E-06	2.30E-07	1.22E-06	2.14E-08	1.47E-06	2.09E-07	6.38E-07	6.47E-09	8.53E-07

			T2		5724	T3			T4i			T4f		
			5720	470093.84	3820228.32									
			9.32E-05	3.91E-04	3.52E-05	7.76E-05	2.88E-04	2.53E-05	8.80E-06	5.04E-05	6.01E-06	8.00E-06	2.64E-05	1.82E-06
			Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3
1	470223.98	3819217.76	2.48E-03	1.04E-02	9.39E-04	2.07E-03	7.66E-03	6.74E-04	2.35E-04	1.34E-03	1.60E-04	2.13E-04	7.03E-04	4.85E-05
2	470214.42	3819217.63	2.53E-03	1.06E-02	9.57E-04	2.11E-03	7.80E-03	6.87E-04	2.39E-04	1.37E-03	1.63E-04	2.17E-04	7.16E-04	4.94E-05
3	470204.85	3819217.49	2.55E-03	1.07E-02	9.63E-04	2.12E-03	7.86E-03	6.91E-04	2.40E-04	1.38E-03	1.64E-04	2.19E-04	7.21E-04	4.97E-05
4	470195.29	3819217.36	2.54E-03	1.07E-02	9.60E-04	2.12E-03	7.84E-03	6.89E-04	2.40E-04	1.37E-03	1.64E-04	2.18E-04	7.19E-04	4.95E-05
5	470185.73	3819217.22	2.51E-03	1.05E-02	9.48E-04	2.09E-03	7.73E-03	6.80E-04	2.37E-04	1.35E-03	1.62E-04	2.15E-04	7.09E-04	4.89E-05
6	470271.93	3819208.44	1.35E-03	5.68E-03	5.12E-04	1.13E-03	4.17E-03	3.67E-04	1.28E-04	7.31E-04	8.73E-05	1.16E-04	3.83E-04	2.64E-05
7	470262.37	3819208.3	1.51E-03	6.34E-03	5.71E-04	1.26E-03	4.66E-03	4.10E-04	1.43E-04	8.17E-04	9.74E-05	1.30E-04	4.28E-04	2.95E-05
8	470252.81	3819208.17	1.65E-03	6.92E-03	6.24E-04	1.37E-03	5.09E-03	4.48E-04	1.56E-04	8.91E-04	1.06E-04	1.42E-04	4.67E-04	3.22E-05
9	470243.24	3819208.03	1.76E-03	7.41E-03	6.67E-04	1.47E-03	5.44E-03	4.79E-04	1.67E-04	9.54E-04	1.14E-04	1.51E-04	4.99E-04	3.44E-05
10	470233.68	3819207.9	1.85E-03	7.77E-03	7.00E-04	1.54E-03	5.71E-03	5.02E-04	1.75E-04	1.00E-03	1.19E-04	1.59E-04	5.24E-04	3.61E-05
11	470224.12	3819207.76	1.91E-03	8.04E-03	7.24E-04	1.59E-03	5.91E-03	5.20E-04	1.81E-04	1.03E-03	1.23E-04	1.64E-04	5.42E-04	3.74E-05
12	470214.56	3819207.63	1.96E-03	8.22E-03	7.40E-04	1.63E-03	6.04E-03	5.31E-04	1.85E-04	1.06E-03	1.26E-04	1.68E-04	5.54E-04	3.82E-05
13	470205	3819207.49	1.98E-03	8.30E-03	7.47E-04	1.65E-03	6.10E-03	5.36E-04	1.87E-04	1.07E-03	1.27E-04	1.70E-04	5.59E-04	3.86E-05
14	470195.43	3819207.36	1.98E-03	8.30E-03	7.47E-04	1.65E-03	6.10E-03	5.36E-04	1.87E-04	1.07E-03	1.27E-04	1.70E-04	5.59E-04	3.86E-05
15	470185.87	3819207.22	1.96E-03	8.21E-03	7.40E-04	1.63E-03	6.03E-03	5.31E-04	1.85E-04	1.06E-03	1.26E-04	1.68E-04	5.53E-04	3.82E-05
16	470166.75	3819206.95	1.86E-03	7.79E-03	7.02E-04	1.55E-03	5.72E-03	5.04E-04	1.75E-04	1.00E-03	1.20E-04	1.59E-04	5.25E-04	3.62E-05
17	470157.18	3819206.82	1.77E-03	7.44E-03	6.70E-04	1.48E-03	5.47E-03	4.81E-04	1.67E-04	9.58E-04	1.14E-04	1.52E-04	5.02E-04	3.46E-05
18	470147.62	3819206.68	1.66E-03	6.99E-03	6.29E-04	1.39E-03	5.13E-03	4.52E-04	1.57E-04	8.99E-04	1.07E-04	1.43E-04	4.71E-04	3.25E-05
19	470138.06	3819206.55	1.53E-03	6.41E-03	5.77E-04	1.27E-03	4.71E-03	4.14E-04	1.44E-04	8.25E-04	9.85E-05	1.31E-04	4.32E-04	2.98E-05
20	470128.5	3819206.41	1.36E-03	5.71E-03	5.15E-04	1.13E-03	4.20E-03	3.69E-04	1.28E-04	7.36E-04	8.78E-05	1.17E-04	3.85E-04	2.66E-05
21	470118.94	3819206.28	1.18E-03	4.97E-03	4.48E-04	9.87E-04	3.66E-03	3.22E-04	1.12E-04	6.40E-04	7.64E-05	1.02E-04	3.35E-04	2.31E-05
22	470109.37	3819206.14	1.01E-03	4.26E-03	3.84E-04	8.45E-04	3.13E-03	2.75E-04	9.58E-05	5.48E-04	6.54E-05	8.71E-05	2.87E-04	1.98E-05
23	470272.07	3819198.44	1.10E-03	4.62E-03	4.16E-04	9.16E-04	3.39E-03	2.98E-04	1.04E-04	5.94E-04	7.09E-05	9.44E-05	3.11E-04	2.15E-05
24	470262.51	3819198.3	1.20E-03	5.05E-03	4.55E-04	1.00E-03	3.71E-03	3.26E-04	1.14E-04	6.50E-04	7.76E-05	1.03E-04	3.40E-04	2.35E-05
25	470252.95	3819198.17	1.31E-03	5.49E-03	4.94E-04	1.09E-03	4.03E-03	3.55E-04	1.23E-04	7.06E-04	8.43E-05	1.12E-04	3.70E-04	2.55E-05
26	470243.39	3819198.03	1.40E-03	5.87E-03	5.29E-04	1.17E-03	4.32E-03	3.80E-04	1.32E-04	7.56E-04	9.02E-05	1.20E-04	3.96E-04	2.73E-05
27	470233.82	3819197.9	1.47E-03	6.19E-03	5.57E-04	1.23E-03	4.55E-03	4.00E-04	1.39E-04	7.97E-04	9.51E-05	1.27E-04	4.17E-04	2.88E-05
28	470224.26	3819197.76	1.53E-03	6.42E-03	5.79E-04	1.27E-03	4.72E-03	4.15E-04	1.44E-04	8.27E-04	9.87E-05	1.31E-04	4.33E-04	2.99E-05
29	470214.7	3819197.63	1.57E-03	6.59E-03	5.93E-04	1.31E-03	4.84E-03	4.26E-04	1.48E-04	8.48E-04	1.01E-04	1.35E-04	4.44E-04	3.06E-05
30	470205.14	3819197.49	1.59E-03	6.67E-03	6.01E-04	1.32E-03	4.90E-03	4.31E-04	1.50E-04	8.59E-04	1.03E-04	1.36E-04	4.50E-04	3.10E-05
31	470195.57	3819197.36	1.59E-03	6.70E-03	6.03E-04	1.33E-03	4.92E-03	4.33E-04	1.51E-04	8.62E-04	1.03E-04	1.37E-04	4.51E-04	3.11E-05
32	470186.01	3819197.22	1.58E-03	6.65E-03	5.99E-04	1.32E-03	4.88E-03	4.30E-04	1.49E-04	8.56E-04	1.02E-04	1.36E-04	4.48E-04	3.09E-05
33	470166.89	3819196.95	1.51E-03	6.34E-03	5.71E-04	1.26E-03	4.66E-03	4.10E-04	1.43E-04	8.17E-04	9.74E-05	1.30E-04	4.28E-04	2.95E-05
34	470157.33	3819196.82	1.45E-03	6.08E-03	5.48E-04	1.21E-03	4.47E-03	3.93E-04	1.37E-04	7.83E-04	9.34E-05	1.24E-04	4.10E-04	2.83E-05
35	470147.76	3819196.68	1.37E-03	5.74E-03	5.17E-04	1.14E-03	4.22E-03	3.71E-04	1.29E-04	7.39E-04	8.82E-05	1.17E-04	3.87E-04	2.67E-05
36	470138.2	3819196.55	1.27E-03	5.32E-03	4.79E-04	1.06E-03	3.91E-03	3.44E-04	1.20E-04	6.85E-04	8.18E-05	1.09E-04	3.59E-04	2.47E-05
37	470128.64	3819196.41	1.15E-03	4.82E-03	4.34E-04	9.57E-04	3.55E-03	3.12E-04	1.08E-04	6.21E-04	7.41E-05	9.86E-05	3.25E-04	2.24E-05
38	470119.08	3819196.28	1.02E-03	4.30E-03	3.87E-04	8.52E-04	3.16E-03	2.78E-04	9.66E-05	5.53E-04	6.60E-05	8.78E-05	2.90E-04	2.00E-05
39	470109.51	3819196.14	8.98E-04	3.77E-03	3.39E-04	7.48E-04	2.77E-03	2.44E-04	8.48E-05	4.85E-04	5.79E-05	7.71E-05	2.54E-04	1.75E-05
40	470320.39	3819212.46	7.73E-04	3.25E-03	2.92E-04	6.44E-04	2.39E-03	2.10E-04	7.30E-05	4.18E-04	4.99E-05	6.64E-05	2.19E-04	1.51E-05
41	470272.21	3819188.44	9.14E-04	3.84E-03	3.46E-04	7.61E-04	2.82E-03	2.48E-04	8.63E-05	4.94E-04	5.90E-05	7.85E-05	2.59E-04	1.78E-05
42	470262.65	3819188.3	9.94E-04	4.17E-03	3.76E-04	8.28E-04	3.07E-03	2.70E-04	9.38E-05	5.37E-04	6.41E-05	8.53E-05	2.81E-04	1.94E-05
43	470253.09	3819188.17	1.07E-03	4.51E-03	4.06E-04	8.95E-04	3.31E-03	2.92E-04	1.01E-04	5.81E-04	6.93E-05	9.22E-05	3.04E-04	2.10E-05
44	470243.53	3819188.03	1.15E-03	4.82E-03	4.34E-04	9.56E-04	3.54E-03	3.11E-04	1.08E-04	6.20E-04	7.40E-05	9.85E-05	3.25E-04	2.24E-05
45	470233.96	3819187.9	1.21E-03	5.08E-03	4.57E-04	1.01E-03	3.73E-03	3.28E-04	1.14E-04	6.54E-04	7.80E-05	1.04E-04	3.42E-04	2.36E-05
46	470224.4	3819187.76	1.26E-03	5.28E-03	4.75E-04	1.05E-03	3.88E-03	3.41E-04	1.19E-04	6.79E-04	8.11E-05	1.08E-04	3.56E-04	2.45E-05
47	470214.84	3819187.63	1.29E-03	5.42E-03	4.88E-04	1.08E-03	3.98E-03	3.51E-04	1.22E-04	6.98E-04	8.33E-05	1.11E-04	3.66E-04	2.52E-05
48	470205.28	3819187.49	1.31E-03	5.51E-03	4.96E-04	1.09E-03	4.05E-03	3.56E-04	1.24E-04	7.09E-04	8.46E-05	1.13E-04	3.71E-04	2.56E-05
49	470195.72	3819187.36	1.32E-03	5.54E-03	4.99E-04	1.10E-03	4.07E-03	3.58E-04	1.25E-04	7.13E-04	8.51E-05	1.13E-04	3.73E-04	2.57E-05
50	470186.15	3819187.22	1.31E-03	5.52E-03	4.97E-04	1.09E-03	4.05E-03	3.57E-04	1.24E-04	7.10E-04	8.47E-05	1.13E-04	3.72E-04	2.56E-05
51	470167.03	3819186.95	1.26E-03	5.29E-03	4.77E-04	1.05E-03	3.89E-03	3.42E-04	1.19E-04	6.81E-04	8.13E-05	1.08E-04	3.57E-04	2.46E-05
52	470157.47	3819186.82	1.21E-03	5.09E-03	4.58E-04	1.01E-03	3.74E-03	3.29E-04	1.14E-04	6.55E-04	7.82E-05	1.04E-04	3.43E-04	2.37E-05
53	470147.9	3819186.68	1.15E-03	4.83E-03	4.35E-04	9.58E-04	3.55E-03	3.12E-04	1.09E-04	6.22E-04	7.42E-05	9.87E-05	3.25E-04	2.24E-05
54	470138.34	3819186.55	1.07E-03	4.51E-03	4.06E-04	8.95E-04	3.31E-03	2.92E-04	1.01E-04	5.81E-04	6.93E-05	9.22E-05	3.04E-04	2.10E-05
55	470128.78	3819186.41	9.87E-04	4.14E-03	3.73E-04	8.22E-04	3.04E-03	2.68E-04	9.32E-05	5.33E-04	6.36E-05	8.47E-05	2.79E-04	1.93E-05
56	470119.22	3819186.28	8.93E-04	3.75E-03	3.38E-04	7.44E-04	2.76E-03	2.43E-04	8.44E-05	4.83E-04	5.76E-05	7.67E-05	2.53E-04	1.74E-05
57	470109.66	3819186.14	7.99E-04	3.36E-03	3.02E-04	6.66E-04	2.47E-03	2.17E-04	7.55E-05	4.32E-04	5.15E-05	6.86E-05	2.26E-04	1.56E-05
58	470315.56	3819193.02	6.18E-04	2.59E-03	2.34E-04	5.14E-04	1.91E-03	1.68E-04	5.83E-05	3.34E-04	3.98E-05	5.30E-05	1.75E-04	1.21E-05
59	470327.39	3819205.12	6.45E-04	2.71E-03	2.44E-04	5.37E-04	1.99E-03	1.75E-04	6.09E-05	3.49E-04	4.16E-05	5.54E-05	1.83E-04	1.26E-05
60	470330.81	3819213.61	7.00E-04	2.94E-03	2.65E-04	5.83E-04	2.16E-03	1.90E-04	6.61E-05	3.78E-04	4.51E-05	6.01E-05	1.98E-04	1.37E-05
61	470272.35	3819178.44	7.76E-04	3.26E-03	2.93E-04	6.46E-04	2.39E-03	2.11E-04	7.33E-05	4.19E-04	5.00E-05	6.66E-05	2.20E-04	1.51E-05
62	470262.79	3819178.31	8.41E-04	3.53E-03	3.18E-04	7.00E-04	2.59E-03	2.28E-04	7.94E-05	4.54E-04	5.42E-05	7.22E-05	2.38E-04	1.64E-05
63	470253.23	3819178.17	9.05E-04	3.80E-03	3.42E-04	7.54E-04	2.79E-03	2.46E-04	8.54E-05	4.89E-04	5.83E-05	7.77E-05	2.56E-04	1.77E-05
64	470243.67	3819178.04	9.64E-04	4.05E-03	3.64E-04	8.03E-04	2.97E-03	2.62E-04	9.10E-05	5.21E-04	6.22E-05	8.27E-05	2.73E-04	1.88E-05
65	470234.11	3819177.9	1.01E-03	4.26E-03	3.83E-04	8.45E-04	3.13E-03	2.75E-04	9.58E-05	5.48E-04	6.54E-05	8.70E-05	2.87E-04	1.98E-05
66	470224.54	3819177.77	1.05E-03	4.43E-03	3.99E-04	8.79E-04	3.26E-03	2.86E-04	9.96E-05	5.70E-04	6.80E-05	9.06E-05	2.99E-04	2.06E-05
67	470214.98	3819177.63	1.09E-03	4.56E-03	4.10E-04	9.04E-04	3.35E-03	2.95E-04	1.02E-04	5.87E-04	7.00E-05	9.32E-05	3.07E-04	2.12E-05
68	470205.42	3819177.5	1.10E-03	4.64E-03	4.18E-04	9.20E-04	3.41E-03	3.00E-04	1.04E-04	5.97E-04	7.12E-05	9.48E-05	3.13E-04	2.16E-05
69	470195.86	3819177.36	1.11E-03	4.67E-03	4.21E-04	9.27E-04	3.43E-03	3.02E-04	1.05E-04	6.02E-04	7.18E-05	9.56E-05	3.15E-04	2.17E-05

70	470186.29	3819177.23	1.11E-03	4.66E-03	4.20E-04	9.25E-04	3.43E-03	3.02E-04	1.05E-04	6.00E-04	7.16E-05	9.54E-05	3.14E-04	2.17E-05
71	470167.17	3819176.96	1.07E-03	4.50E-03	4.05E-04	8.93E-04	3.31E-03	2.91E-04	1.01E-04	5.79E-04	6.91E-05	9.20E-05	3.03E-04	2.09E-05
72	470157.61	3819176.82	1.03E-03	4.34E-03	3.91E-04	8.61E-04	3.19E-03	2.81E-04	9.76E-05	5.59E-04	6.67E-05	8.87E-05	2.93E-04	2.02E-05
73	470148.05	3819176.69	9.84E-04	4.13E-03	3.72E-04	8.20E-04	3.04E-03	2.67E-04	9.30E-05	5.32E-04	6.35E-05	8.45E-05	2.79E-04	1.92E-05
74	470138.48	3819176.55	9.26E-04	3.89E-03	3.50E-04	7.71E-04	2.86E-03	2.51E-04	8.74E-05	5.00E-04	5.97E-05	7.95E-05	2.62E-04	1.81E-05
75	470128.92	3819176.42	8.60E-04	3.61E-03	3.25E-04	7.16E-04	2.65E-03	2.33E-04	8.12E-05	4.65E-04	5.55E-05	7.38E-05	2.43E-04	1.68E-05
76	470119.36	3819176.28	7.89E-04	3.31E-03	2.98E-04	6.57E-04	2.43E-03	2.14E-04	7.45E-05	4.26E-04	5.09E-05	6.77E-05	2.23E-04	1.54E-05
77	470109.8	3819176.15	7.16E-04	3.01E-03	2.71E-04	5.96E-04	2.21E-03	1.94E-04	6.76E-05	3.87E-04	4.62E-05	6.15E-05	2.03E-04	1.40E-05
78	470322.95	3819186.13	5.25E-04	2.21E-03	1.99E-04	4.38E-04	1.62E-03	1.43E-04	4.96E-05	2.84E-04	3.39E-05	4.51E-05	1.49E-04	1.03E-05
79	470334.45	3819197.89	5.47E-04	2.30E-03	2.07E-04	4.56E-04	1.69E-03	1.48E-04	5.17E-05	2.96E-04	3.53E-05	4.70E-05	1.55E-04	1.07E-05
80	470341.1	3819214.4	6.35E-04	2.67E-03	2.40E-04	5.29E-04	1.96E-03	1.72E-04	5.99E-05	3.43E-04	4.09E-05	5.45E-05	1.80E-04	1.24E-05
81	470272.5	3819168.44	6.69E-04	2.81E-03	2.53E-04	5.57E-04	2.07E-03	1.82E-04	6.32E-05	3.62E-04	4.32E-05	5.74E-05	1.89E-04	1.31E-05
82	470262.93	3819168.31	7.23E-04	3.04E-03	2.74E-04	6.03E-04	2.23E-03	1.96E-04	6.83E-05	3.91E-04	4.67E-05	6.21E-05	2.05E-04	1.41E-05
83	470253.37	3819168.17	7.76E-04	3.26E-03	2.93E-04	6.46E-04	2.39E-03	2.11E-04	7.32E-05	4.19E-04	5.00E-05	6.66E-05	2.20E-04	1.51E-05
84	470243.81	3819168.04	8.24E-04	3.46E-03	3.12E-04	6.86E-04	2.54E-03	2.24E-04	7.78E-05	4.45E-04	5.31E-05	7.07E-05	2.33E-04	1.61E-05
85	470234.25	3819167.9	8.66E-04	3.64E-03	3.27E-04	7.21E-04	2.67E-03	2.35E-04	8.17E-05	4.68E-04	5.58E-05	7.43E-05	2.45E-04	1.69E-05
86	470224.68	3819167.77	9.00E-04	3.78E-03	3.41E-04	7.50E-04	2.78E-03	2.44E-04	8.50E-05	4.87E-04	5.81E-05	7.73E-05	2.55E-04	1.76E-05
87	470215.12	3819167.63	9.27E-04	3.89E-03	3.50E-04	7.72E-04	2.86E-03	2.52E-04	8.75E-05	5.01E-04	5.98E-05	7.96E-05	2.62E-04	1.81E-05
88	470205.56	3819167.5	9.45E-04	3.97E-03	3.57E-04	7.87E-04	2.91E-03	2.56E-04	8.92E-05	5.11E-04	6.09E-05	8.11E-05	2.67E-04	1.84E-05
89	470196	3819167.36	9.53E-04	4.00E-03	3.61E-04	7.94E-04	2.94E-03	2.59E-04	9.00E-05	5.15E-04	6.15E-05	8.18E-05	2.70E-04	1.86E-05
90	470186.44	3819167.23	9.53E-04	4.00E-03	3.61E-04	7.94E-04	2.94E-03	2.59E-04	9.00E-05	5.15E-04	6.15E-05	8.18E-05	2.70E-04	1.86E-05
91	470167.31	3819166.96	9.24E-04	3.88E-03	3.50E-04	7.70E-04	2.85E-03	2.51E-04	8.73E-05	5.00E-04	5.96E-05	7.93E-05	2.62E-04	1.80E-05
92	470157.75	3819166.82	8.94E-04	3.75E-03	3.38E-04	7.44E-04	2.76E-03	2.43E-04	8.44E-05	4.83E-04	5.76E-05	7.67E-05	2.53E-04	1.74E-05
93	470148.19	3819166.69	8.54E-04	3.59E-03	3.23E-04	7.12E-04	2.64E-03	2.32E-04	8.07E-05	4.62E-04	5.51E-05	7.34E-05	2.42E-04	1.67E-05
94	470138.62	3819166.55	8.08E-04	3.39E-03	3.06E-04	6.73E-04	2.49E-03	2.19E-04	7.63E-05	4.37E-04	5.21E-05	6.94E-05	2.29E-04	1.58E-05
95	470129.06	3819166.42	7.57E-04	3.18E-03	2.86E-04	6.31E-04	2.34E-03	2.06E-04	7.15E-05	4.09E-04	4.88E-05	6.50E-05	2.14E-04	1.48E-05
96	470119.5	3819166.28	7.02E-04	2.95E-03	2.65E-04	5.85E-04	2.17E-03	1.91E-04	6.63E-05	3.79E-04	4.53E-05	6.03E-05	1.99E-04	1.37E-05
97	470109.94	3819166.15	6.45E-04	2.71E-03	2.44E-04	5.37E-04	1.99E-03	1.75E-04	6.09E-05	3.49E-04	4.16E-05	5.54E-05	1.83E-04	1.26E-05
98	470322.25	3819175.77	4.67E-04	1.96E-03	1.77E-04	3.89E-04	1.44E-03	1.27E-04	4.41E-05	2.53E-04	3.01E-05	4.01E-05	1.32E-04	9.12E-06
99	470341.53	3819190.73	4.70E-04	1.97E-03	1.78E-04	3.91E-04	1.45E-03	1.28E-04	4.44E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.17E-06
100	470348.04	3819206.91	5.40E-04	2.27E-03	2.04E-04	4.50E-04	1.67E-03	1.47E-04	5.10E-05	2.92E-04	3.48E-05	4.63E-05	1.53E-04	1.05E-05
101	470272.64	3819158.44	5.87E-04	2.46E-03	2.22E-04	4.89E-04	1.81E-03	1.59E-04	5.54E-05	3.17E-04	3.78E-05	5.04E-05	1.66E-04	1.14E-05
102	470263.07	3819158.31	6.31E-04	2.65E-03	2.39E-04	5.26E-04	1.95E-03	1.71E-04	5.96E-05	3.41E-04	4.07E-05	5.42E-05	1.79E-04	1.23E-05
103	470253.51	3819158.17	6.74E-04	2.83E-03	2.55E-04	5.62E-04	2.08E-03	1.83E-04	6.37E-05	3.65E-04	4.35E-05	5.79E-05	1.91E-04	1.32E-05
104	470243.95	3819158.04	7.14E-04	3.00E-03	2.70E-04	5.95E-04	2.20E-03	1.94E-04	6.74E-05	3.86E-04	4.61E-05	6.13E-05	2.02E-04	1.39E-05
105	470234.39	3819157.9	7.49E-04	3.15E-03	2.83E-04	6.24E-04	2.31E-03	2.03E-04	7.08E-05	4.05E-04	4.83E-05	6.43E-05	2.12E-04	1.46E-05
106	470224.83	3819157.77	7.78E-04	3.27E-03	2.94E-04	6.48E-04	2.40E-03	2.11E-04	7.35E-05	4.21E-04	5.02E-05	6.68E-05	2.20E-04	1.52E-05
107	470215.26	3819157.63	8.01E-04	3.36E-03	3.03E-04	6.67E-04	2.47E-03	2.17E-04	7.56E-05	4.33E-04	5.16E-05	6.87E-05	2.27E-04	1.56E-05
108	470205.7	3819157.5	8.16E-04	3.43E-03	3.09E-04	6.80E-04	2.52E-03	2.21E-04	7.70E-05	4.41E-04	5.26E-05	7.00E-05	2.31E-04	1.59E-05
109	470196.14	3819157.36	8.24E-04	3.46E-03	3.12E-04	6.86E-04	2.54E-03	2.24E-04	7.78E-05	4.46E-04	5.32E-05	7.07E-05	2.33E-04	1.61E-05
110	470186.58	3819157.23	8.25E-04	3.47E-03	3.12E-04	6.88E-04	2.55E-03	2.24E-04	7.79E-05	4.46E-04	5.32E-05	7.09E-05	2.34E-04	1.61E-05
111	470167.45	3819156.96	8.04E-04	3.38E-03	3.04E-04	6.70E-04	2.48E-03	2.18E-04	7.59E-05	4.35E-04	5.19E-05	6.90E-05	2.28E-04	1.57E-05
112	470157.89	3819156.82	7.81E-04	3.28E-03	2.95E-04	6.50E-04	2.41E-03	2.12E-04	7.37E-05	4.22E-04	5.04E-05	6.70E-05	2.21E-04	1.52E-05
113	470148.33	3819156.69	7.51E-04	3.15E-03	2.84E-04	6.25E-04	2.32E-03	2.04E-04	7.09E-05	4.06E-04	4.84E-05	6.44E-05	2.12E-04	1.46E-05
114	470138.77	3819156.55	7.14E-04	3.00E-03	2.70E-04	5.95E-04	2.20E-03	1.94E-04	6.74E-05	3.86E-04	4.61E-05	6.13E-05	2.02E-04	1.39E-05
115	470129.2	3819156.42	6.74E-04	2.83E-03	2.55E-04	5.61E-04	2.08E-03	1.83E-04	6.36E-05	3.64E-04	4.35E-05	5.79E-05	1.91E-04	1.31E-05
116	470119.64	3819156.28	6.30E-04	2.64E-03	2.38E-04	5.25E-04	1.94E-03	1.71E-04	5.95E-05	3.40E-04	4.06E-05	5.41E-05	1.78E-04	1.23E-05
117	470110.08	3819156.15	5.84E-04	2.45E-03	2.21E-04	4.86E-04	1.80E-03	1.58E-04	5.51E-05	3.16E-04	3.76E-05	5.01E-05	1.65E-04	1.14E-05
118	470321.77	3819165.5	4.18E-04	1.76E-03	1.58E-04	3.48E-04	1.29E-03	1.14E-04	3.95E-05	2.26E-04	2.70E-05	3.59E-05	1.18E-04	8.16E-06
119	470337.54	3819172.27	3.94E-04	1.65E-03	1.49E-04	3.28E-04	1.22E-03	1.07E-04	3.72E-05	2.13E-04	2.54E-05	3.38E-05	1.11E-04	7.69E-06
120	470348.63	3819183.62	4.08E-04	1.71E-03	1.54E-04	3.40E-04	1.26E-03	1.11E-04	3.85E-05	2.21E-04	2.63E-05	3.50E-05	1.15E-04	7.96E-06
121	470355.04	3819199.54	4.65E-04	1.95E-03	1.76E-04	3.87E-04	1.43E-03	1.26E-04	4.39E-05	2.51E-04	3.00E-05	3.99E-05	1.32E-04	9.07E-06
122	470361.45	3819215.46	5.29E-04	2.22E-03	2.00E-04	4.41E-04	1.63E-03	1.44E-04	5.00E-05	2.86E-04	3.41E-05	4.54E-05	1.50E-04	1.03E-05
123	470272.78	3819148.44	5.20E-04	2.18E-03	1.97E-04	4.33E-04	1.60E-03	1.41E-04	4.91E-05	2.81E-04	3.35E-05	4.46E-05	1.47E-04	1.01E-05
124	470263.22	3819148.31	5.57E-04	2.34E-03	2.11E-04	4.64E-04	1.72E-03	1.51E-04	5.26E-05	3.01E-04	3.59E-05	4.78E-05	1.58E-04	1.09E-05
125	470253.65	3819148.17	5.93E-04	2.49E-03	2.24E-04	4.94E-04	1.83E-03	1.61E-04	5.60E-05	3.21E-04	3.83E-05	5.09E-05	1.68E-04	1.16E-05
126	470244.09	3819148.04	6.27E-04	2.63E-03	2.37E-04	5.22E-04	1.93E-03	1.70E-04	5.92E-05	3.39E-04	4.04E-05	5.38E-05	1.77E-04	1.22E-05
127	470234.53	3819147.9	6.56E-04	2.76E-03	2.48E-04	5.47E-04	2.03E-03	1.78E-04	6.20E-05	3.55E-04	4.23E-05	5.63E-05	1.86E-04	1.28E-05
128	470224.97	3819147.77	6.81E-04	2.86E-03	2.57E-04	5.67E-04	2.10E-03	1.85E-04	6.43E-05	3.68E-04	4.39E-05	5.84E-05	1.93E-04	1.33E-05
129	470215.4	3819147.63	6.99E-04	2.94E-03	2.64E-04	5.82E-04	2.16E-03	1.90E-04	6.60E-05	3.78E-04	4.51E-05	6.00E-05	1.98E-04	1.36E-05
130	470205.84	3819147.5	7.12E-04	2.99E-03	2.69E-04	5.93E-04	2.20E-03	1.93E-04	6.73E-05	3.85E-04	4.59E-05	6.11E-05	2.02E-04	1.39E-05
131	470196.28	3819147.36	7.20E-04	3.02E-03	2.72E-04	6.00E-04	2.22E-03	1.95E-04	6.80E-05	3.89E-04	4.64E-05	6.18E-05	2.04E-04	1.40E-05
132	470186.72	3819147.23	7.22E-04	3.03E-03	2.73E-04	6.01E-04	2.23E-03	1.96E-04	6.82E-05	3.90E-04	4.66E-05	6.20E-05	2.04E-04	1.41E-05
133	470158.03	3819146.82	6.89E-04	2.89E-03	2.61E-04	5.74E-04	2.13E-03	1.87E-04	6.50E-05	3.72E-04	4.44E-05	5.91E-05	1.95E-04	1.34E-05
134	470148.47	3819146.69	6.65E-04	2.79E-03	2.52E-04	5.54E-04	2.05E-03	1.81E-04	6.28E-05	3.60E-04	4.29E-05	5.71E-05	1.88E-04	1.30E-05
135	470138.91	3819146.55	6.37E-04	2.67E-03	2.41E-04	5.30E-04	1.96E-03	1.73E-04	6.01E-05	3.44E-04	4.11E-05	5.46E-05	1.80E-04	1.24E-05
136	470129.34	3819146.42	6.04E-04	2.54E-03	2.28E-04	5.03E-04	1.86E-03	1.64E-04	5.70E-05	3.27E-04	3.90E-05	5.19E-05	1.71E-04	1.18E-05
137	470119.78	3819146.28	5.68E-04	2.39E-03	2.15E-04	4.73E-04	1.75E-03	1.54E-04	5.37E-05	3.07E-04	3.66E-05	4.88E-05	1.61E-04	1.11E-05
138	470110.22	3819146.15	5.31E-04	2.23E-03	2.01E-04	4.42E-04	1.64E-03	1.44E-04	5.01E-05	2.87E-04	3.42E-05	4.55E-05	1.50E-04	1.04E-05
139	470317.53	3819153.62	3.83E-04	1.61E-03	1.45E-04	3.19E-04	1.18E-03	1.04E-04	3.62E-05	2.07E-04	2.47E-05	3.29E-05	1.09E-04	7.48E-06
140	470326.29	3819157.38	3.70E-04	1.55E-03	1.40E-04	3.08E-04	1.14E-03	1.00E-04	3.50E-05	2.00E-04	2.39E-05	3.18E-05	1.05E-04	7.22E-06
141	470335.05	3819161.14	3.58E-04	1.50E-03	1.35E-04	2.98E-04	1.10E-03	9.71E-05	3.38E-05	1.93E-04	2.31E-05	3.07E-05	1.01E-04	6.98E-06
142	470343.82	3819164.91	3.47E-04	1.46E-03	1.31E-04	2.89E-04	1.07E-03	9.41E-05	3.28E-05	1.87E-04	2.24E-05	2.98E-05	9.82E-05	6.77E-06

143	470356.14	3819177.51	3.60E-04	1.51E-03	1.36E-04	3.00E-04	1.11E-03	9.77E-05	3.40E-05	1.95E-04	2.32E-05	3.09E-05	1.02E-04	7.02E-06
144	470359.7	3819186.36	3.85E-04	1.62E-03	1.46E-04	3.21E-04	1.19E-03	1.05E-04	3.64E-05	2.08E-04	2.49E-05	3.31E-05	1.09E-04	7.52E-06
145	470363.26	3819195.2	4.13E-04	1.74E-03	1.56E-04	3.44E-04	1.28E-03	1.12E-04	3.90E-05	2.24E-04	2.67E-05	3.55E-05	1.17E-04	8.07E-06
146	470366.82	3819204.05	4.44E-04	1.86E-03	1.68E-04	3.70E-04	1.37E-03	1.20E-04	4.19E-05	2.40E-04	2.86E-05	3.81E-05	1.26E-04	8.66E-06
147	470370.38	3819212.89	4.76E-04	2.00E-03	1.80E-04	3.96E-04	1.47E-03	1.29E-04	4.49E-05	2.57E-04	3.07E-05	4.08E-05	1.35E-04	9.28E-06
148	470272.92	3819138.44	4.65E-04	1.95E-03	1.76E-04	3.87E-04	1.43E-03	1.26E-04	4.39E-05	2.51E-04	3.00E-05	3.99E-05	1.32E-04	9.07E-06
149	470263.36	3819138.31	4.96E-04	2.08E-03	1.88E-04	4.13E-04	1.53E-03	1.35E-04	4.69E-05	2.68E-04	3.20E-05	4.26E-05	1.40E-04	9.68E-06
150	470253.79	3819138.17	5.27E-04	2.21E-03	1.99E-04	4.39E-04	1.62E-03	1.43E-04	4.97E-05	2.85E-04	3.40E-05	4.52E-05	1.49E-04	1.03E-05
151	470244.23	3819138.04	5.55E-04	2.33E-03	2.10E-04	4.62E-04	1.71E-03	1.51E-04	5.24E-05	3.00E-04	3.58E-05	4.76E-05	1.57E-04	1.08E-05
152	470234.67	3819137.9	5.80E-04	2.44E-03	2.20E-04	4.83E-04	1.79E-03	1.58E-04	5.48E-05	3.14E-04	3.74E-05	4.98E-05	1.64E-04	1.13E-05
153	470225.11	3819137.77	6.01E-04	2.52E-03	2.27E-04	5.01E-04	1.86E-03	1.63E-04	5.68E-05	3.25E-04	3.88E-05	5.16E-05	1.70E-04	1.17E-05
154	470215.55	3819137.63	6.17E-04	2.59E-03	2.33E-04	5.14E-04	1.90E-03	1.67E-04	5.82E-05	3.33E-04	3.98E-05	5.29E-05	1.75E-04	1.20E-05
155	470205.98	3819137.5	6.28E-04	2.64E-03	2.37E-04	5.23E-04	1.94E-03	1.70E-04	5.93E-05	3.39E-04	4.05E-05	5.39E-05	1.78E-04	1.22E-05
156	470196.42	3819137.36	6.34E-04	2.66E-03	2.40E-04	5.28E-04	1.96E-03	1.72E-04	5.99E-05	3.43E-04	4.09E-05	5.45E-05	1.80E-04	1.24E-05
157	470186.86	3819137.23	6.37E-04	2.68E-03	2.41E-04	5.31E-04	1.97E-03	1.73E-04	6.02E-05	3.44E-04	4.11E-05	5.47E-05	1.80E-04	1.24E-05
158	470158.17	3819136.82	6.12E-04	2.57E-03	2.32E-04	5.10E-04	1.89E-03	1.66E-04	5.78E-05	3.31E-04	3.95E-05	5.26E-05	1.73E-04	1.19E-05
159	470148.61	3819136.69	5.94E-04	2.49E-03	2.25E-04	4.95E-04	1.83E-03	1.61E-04	5.61E-05	3.21E-04	3.83E-05	5.10E-05	1.68E-04	1.16E-05
160	470139.05	3819136.55	5.71E-04	2.40E-03	2.16E-04	4.76E-04	1.76E-03	1.55E-04	5.39E-05	3.09E-04	3.68E-05	4.90E-05	1.62E-04	1.11E-05
161	470129.49	3819136.42	5.45E-04	2.29E-03	2.06E-04	4.54E-04	1.68E-03	1.48E-04	5.14E-05	2.94E-04	3.51E-05	4.67E-05	1.54E-04	1.06E-05
162	470119.92	3819136.28	5.15E-04	2.16E-03	1.95E-04	4.29E-04	1.59E-03	1.40E-04	4.87E-05	2.79E-04	3.32E-05	4.42E-05	1.46E-04	1.01E-05
163	470110.36	3819136.15	4.84E-04	2.03E-03	1.83E-04	4.03E-04	1.49E-03	1.31E-04	4.57E-05	2.62E-04	3.12E-05	4.16E-05	1.37E-04	9.45E-06
164	470316.41	3819133.02	3.19E-04	1.34E-03	1.20E-04	2.65E-04	9.83E-04	8.65E-05	3.01E-05	1.72E-04	2.05E-05	2.73E-05	9.02E-05	6.21E-06
165	470324.82	3819136.63	3.08E-04	1.29E-03	1.17E-04	2.57E-04	9.51E-04	8.36E-05	2.91E-05	1.67E-04	1.99E-05	2.64E-05	8.72E-05	6.01E-06
166	470333.23	3819140.24	2.98E-04	1.25E-03	1.13E-04	2.48E-04	9.20E-04	8.09E-05	2.82E-05	1.61E-04	1.92E-05	2.56E-05	8.44E-05	5.82E-06
167	470341.65	3819143.85	2.89E-04	1.21E-03	1.09E-04	2.41E-04	8.91E-04	7.84E-05	2.73E-05	1.56E-04	1.86E-05	2.48E-05	8.18E-05	5.64E-06
168	470350.06	3819147.46	2.81E-04	1.18E-03	1.06E-04	2.34E-04	8.66E-04	7.62E-05	2.65E-05	1.52E-04	1.81E-05	2.41E-05	7.94E-05	5.47E-06
169	470358.47	3819151.07	2.73E-04	1.15E-03	1.03E-04	2.27E-04	8.43E-04	7.41E-05	2.58E-05	1.48E-04	1.76E-05	2.34E-05	7.73E-05	5.33E-06
170	470370.3	3819163.18	2.82E-04	1.18E-03	1.07E-04	2.35E-04	8.71E-04	7.66E-05	2.66E-05	1.53E-04	1.82E-05	2.42E-05	7.99E-05	5.51E-06
171	470373.72	3819171.67	2.99E-04	1.26E-03	1.13E-04	2.49E-04	9.24E-04	8.13E-05	2.83E-05	1.62E-04	1.93E-05	2.57E-05	8.47E-05	5.84E-06
172	470377.14	3819180.16	3.18E-04	1.34E-03	1.20E-04	2.65E-04	9.83E-04	8.64E-05	3.01E-05	1.72E-04	2.05E-05	2.73E-05	9.01E-05	6.21E-06
173	470380.55	3819188.65	3.39E-04	1.42E-03	1.28E-04	2.82E-04	1.05E-03	9.21E-05	3.20E-05	1.83E-04	2.19E-05	2.91E-05	9.60E-05	6.62E-06
174	470383.97	3819197.14	3.61E-04	1.52E-03	1.37E-04	3.01E-04	1.12E-03	9.81E-05	3.41E-05	1.95E-04	2.33E-05	3.10E-05	1.02E-04	7.05E-06
175	470387.39	3819205.63	3.85E-04	1.62E-03	1.46E-04	3.21E-04	1.19E-03	1.04E-04	3.63E-05	2.08E-04	2.48E-05	3.30E-05	1.09E-04	7.51E-06
176	470273.2	3819118.45	3.79E-04	1.59E-03	1.43E-04	3.16E-04	1.17E-03	1.03E-04	3.58E-05	2.05E-04	2.45E-05	3.26E-05	1.07E-04	7.40E-06
177	470263.64	3819118.31	4.02E-04	1.69E-03	1.52E-04	3.35E-04	1.24E-03	1.09E-04	3.80E-05	2.18E-04	2.60E-05	3.45E-05	1.14E-04	7.85E-06
178	470254.08	3819118.18	4.25E-04	1.78E-03	1.61E-04	3.54E-04	1.31E-03	1.15E-04	4.01E-05	2.30E-04	2.74E-05	3.65E-05	1.20E-04	8.29E-06
179	470244.52	3819118.04	4.46E-04	1.87E-03	1.69E-04	3.71E-04	1.38E-03	1.21E-04	4.21E-05	2.41E-04	2.87E-05	3.83E-05	1.26E-04	8.70E-06
180	470234.95	3819117.91	4.65E-04	1.95E-03	1.76E-04	3.87E-04	1.43E-03	1.26E-04	4.39E-05	2.51E-04	3.00E-05	3.99E-05	1.32E-04	9.07E-06
181	470225.39	3819117.77	4.80E-04	2.02E-03	1.82E-04	4.00E-04	1.48E-03	1.30E-04	4.53E-05	2.60E-04	3.10E-05	4.12E-05	1.36E-04	9.37E-06
182	470215.83	3819117.64	4.92E-04	2.07E-03	1.86E-04	4.10E-04	1.52E-03	1.34E-04	4.65E-05	2.66E-04	3.17E-05	4.22E-05	1.39E-04	9.60E-06
183	470206.27	3819117.5	5.01E-04	2.10E-03	1.89E-04	4.17E-04	1.55E-03	1.36E-04	4.73E-05	2.71E-04	3.23E-05	4.30E-05	1.42E-04	9.77E-06
184	470196.7	3819117.37	5.07E-04	2.13E-03	1.92E-04	4.22E-04	1.56E-03	1.38E-04	4.78E-05	2.74E-04	3.27E-05	4.35E-05	1.43E-04	9.88E-06
185	470187.14	3819117.23	5.09E-04	2.14E-03	1.93E-04	4.24E-04	1.57E-03	1.38E-04	4.81E-05	2.75E-04	3.29E-05	4.37E-05	1.44E-04	9.94E-06
186	470158.46	3819116.83	4.95E-04	2.08E-03	1.87E-04	4.12E-04	1.53E-03	1.34E-04	4.67E-05	2.67E-04	3.19E-05	4.25E-05	1.40E-04	9.65E-06
187	470148.89	3819116.69	4.83E-04	2.03E-03	1.82E-04	4.02E-04	1.49E-03	1.31E-04	4.56E-05	2.61E-04	3.11E-05	4.14E-05	1.37E-04	9.42E-06
188	470139.33	3819116.56	4.67E-04	1.96E-03	1.77E-04	3.89E-04	1.44E-03	1.27E-04	4.41E-05	2.53E-04	3.01E-05	4.01E-05	1.32E-04	9.12E-06
189	470129.77	3819116.42	4.49E-04	1.89E-03	1.70E-04	3.74E-04	1.39E-03	1.22E-04	4.24E-05	2.43E-04	2.90E-05	3.86E-05	1.27E-04	8.76E-06
190	470120.21	3819116.29	4.29E-04	1.80E-03	1.62E-04	3.57E-04	1.32E-03	1.16E-04	4.05E-05	2.32E-04	2.77E-05	3.68E-05	1.21E-04	8.37E-06
191	470110.64	3819116.15	4.07E-04	1.71E-03	1.54E-04	3.39E-04	1.26E-03	1.11E-04	3.85E-05	2.20E-04	2.63E-05	3.50E-05	1.15E-04	7.95E-06
192	470323.94	3819116.13	2.61E-04	1.10E-03	9.87E-05	2.17E-04	8.05E-04	7.08E-05	2.46E-05	1.41E-04	1.68E-05	2.24E-05	7.38E-05	5.09E-06
193	470340.29	3819123.15	2.45E-04	1.03E-03	9.28E-05	2.04E-04	7.58E-04	6.66E-05	2.32E-05	1.33E-04	1.58E-05	2.11E-05	6.95E-05	4.79E-06
194	470356.65	3819130.17	2.32E-04	9.73E-04	8.76E-05	1.93E-04	7.15E-04	6.29E-05	2.19E-05	1.25E-04	1.49E-05	1.99E-05	6.56E-05	4.52E-06
195	470373	3819137.19	2.20E-04	9.25E-04	8.33E-05	1.83E-04	6.80E-04	5.98E-05	2.08E-05	1.19E-04	1.42E-05	1.89E-05	6.23E-05	4.30E-06
196	470384.51	3819148.96	2.27E-04	9.52E-04	8.57E-05	1.89E-04	7.00E-04	6.15E-05	2.14E-05	1.23E-04	1.46E-05	1.95E-05	6.42E-05	4.42E-06
197	470391.15	3819165.47	2.53E-04	1.06E-03	9.55E-05	2.10E-04	7.79E-04	6.86E-05	2.39E-05	1.37E-04	1.63E-05	2.17E-05	7.15E-05	4.93E-06
198	470397.8	3819181.98	2.83E-04	1.19E-03	1.07E-04	2.36E-04	8.74E-04	7.69E-05	2.68E-05	1.53E-04	1.83E-05	2.43E-05	8.02E-05	5.53E-06
199	470404.45	3819198.49	3.18E-04	1.34E-03	1.20E-04	2.65E-04	9.82E-04	8.64E-05	3.01E-05	1.72E-04	2.05E-05	2.73E-05	9.01E-05	6.21E-06
200	470411.09	3819215	3.56E-04	1.50E-03	1.35E-04	2.97E-04	1.10E-03	9.67E-05	3.36E-05	1.93E-04	2.30E-05	3.06E-05	1.01E-04	6.95E-06
201	470273.48	3819098.45	3.16E-04	1.33E-03	1.20E-04	2.64E-04	9.76E-04	8.59E-05	2.99E-05	1.71E-04	2.04E-05	2.72E-05	8.96E-05	6.17E-06
202	470263.92	3819098.31	3.34E-04	1.40E-03	1.26E-04	2.78E-04	1.03E-03	9.06E-05	3.15E-05	1.81E-04	2.15E-05	2.87E-05	9.45E-05	6.52E-06
203	470254.36	3819098.18	3.51E-04	1.47E-03	1.33E-04	2.92E-04	1.08E-03	9.52E-05	3.31E-05	1.90E-04	2.26E-05	3.01E-05	9.93E-05	6.84E-06
204	470244.8	3819098.04	3.66E-04	1.54E-03	1.38E-04	3.05E-04	1.13E-03	9.94E-05	3.46E-05	1.98E-04	2.36E-05	3.14E-05	1.04E-04	7.15E-06
205	470235.24	3819097.91	3.80E-04	1.60E-03	1.44E-04	3.17E-04	1.17E-03	1.03E-04	3.59E-05	2.06E-04	2.45E-05	3.26E-05	1.08E-04	7.42E-06
206	470225.67	3819097.77	3.92E-04	1.65E-03	1.48E-04	3.27E-04	1.21E-03	1.06E-04	3.70E-05	2.12E-04	2.53E-05	3.37E-05	1.11E-04	7.65E-06
207	470216.11	3819097.64	4.02E-04	1.69E-03	1.52E-04	3.35E-04	1.24E-03	1.09E-04	3.80E-05	2.17E-04	2.59E-05	3.45E-05	1.14E-04	7.84E-06
208	470206.55	3819097.5	4.09E-04	1.72E-03	1.55E-04	3.41E-04	1.26E-03	1.11E-04	3.86E-05	2.21E-04	2.64E-05	3.51E-05	1.16E-04	7.98E-06
209	470196.99	3819097.37	4.14E-04	1.74E-03	1.57E-04	3.45E-04	1.28E-03	1.12E-04	3.91E-05	2.24E-04	2.67E-05	3.55E-05	1.17E-04	8.08E-06
210	470187.42	3819097.23	4.17E-04	1.75E-03	1.58E-04	3.47E-04	1.29E-03	1.13E-04	3.94E-05	2.25E-04	2.69E-05	3.58E-05	1.18E-04	8.13E-06
211	470158.74	3819096.83	4.08E-04	1.71E-03	1.54E-04	3.40E-04	1.26E-03	1.11E-04	3.85E-05	2.21E-04	2.63E-05	3.50E-05	1.15E-04	7.96E-06
212	470149.18	3819096.69	4.00E-04	1.68E-03	1.51E-04	3.33E-04	1.23E-03	1.09E-04	3.77E-05	2.16E-04	2.58E-05	3.43E-05	1.13E-04	7.80E-06
213	470139.61	3819096.56	3.89E-04	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.06E-04	3.67E-05	2.10E-04	2.51E-05	3.34E-05	1.10E-04	7.59E-06
214	470130.05	3819096.42	3.76E-04	1.58E-03	1.42E-04	3.13E-04	1.16E-03	1.02E-04	3.55E-05	2.03E-04	2.43E-05	3.23E-05	1.06E-04	7.34E-06
215	470120.49	3819096.29	3.62E-04	1.52E-03	1.37E-04	3.01E-04	1.12E-03	9.82E-05	3.42E-05	1.96E-04	2.33E-05	3.10E-05	1.02E-04	7.06E-06

216	470110.93	3819096.15	3.46E-04	1.45E-03	1.31E-04	2.88E-04	1.07E-03	9.39E-05	3.27E-05	1.87E-04	2.23E-05	2.97E-05	9.79E-05	6.75E-06
217	470317.84	3819093.4	2.28E-04	9.56E-04	8.60E-05	1.90E-04	7.02E-04	6.18E-05	2.15E-05	1.23E-04	1.47E-05	1.95E-05	6.44E-05	4.44E-06
218	470326.47	3819097.1	2.21E-04	9.29E-04	8.37E-05	1.84E-04	6.83E-04	6.00E-05	2.09E-05	1.20E-04	1.43E-05	1.90E-05	6.26E-05	4.32E-06
219	470335.09	3819100.8	2.15E-04	9.05E-04	8.15E-05	1.79E-04	6.65E-04	5.85E-05	2.03E-05	1.16E-04	1.39E-05	1.85E-05	6.10E-05	4.20E-06
220	470343.72	3819104.51	2.09E-04	8.76E-04	7.89E-05	1.74E-04	6.44E-04	5.66E-05	1.97E-05	1.13E-04	1.35E-05	1.79E-05	5.91E-05	4.07E-06
221	470352.35	3819108.21	2.02E-04	8.49E-04	7.64E-05	1.68E-04	6.24E-04	5.49E-05	1.91E-05	1.09E-04	1.30E-05	1.74E-05	5.72E-05	3.94E-06
222	470360.97	3819111.91	1.96E-04	8.24E-04	7.42E-05	1.63E-04	6.05E-04	5.32E-05	1.85E-05	1.06E-04	1.27E-05	1.68E-05	5.55E-05	3.83E-06
223	470369.6	3819115.62	1.91E-04	8.01E-04	7.21E-05	1.59E-04	5.88E-04	5.18E-05	1.80E-05	1.03E-04	1.23E-05	1.64E-05	5.40E-05	3.72E-06
224	470378.23	3819119.32	1.86E-04	7.80E-04	7.03E-05	1.55E-04	5.73E-04	5.04E-05	1.75E-05	1.00E-04	1.20E-05	1.59E-05	5.26E-05	3.62E-06
225	470386.86	3819123.02	1.82E-04	7.62E-04	6.87E-05	1.51E-04	5.60E-04	4.93E-05	1.71E-05	9.81E-05	1.17E-05	1.56E-05	5.14E-05	3.54E-06
226	470398.99	3819135.43	1.87E-04	7.84E-04	7.06E-05	1.55E-04	5.76E-04	5.07E-05	1.76E-05	1.01E-04	1.20E-05	1.60E-05	5.28E-05	3.64E-06
227	470402.5	3819144.14	1.96E-04	8.25E-04	7.43E-05	1.64E-04	6.06E-04	5.33E-05	1.86E-05	1.06E-04	1.27E-05	1.69E-05	5.56E-05	3.83E-06
228	470406	3819152.85	2.07E-04	8.71E-04	7.84E-05	1.73E-04	6.40E-04	5.63E-05	1.96E-05	1.12E-04	1.34E-05	1.78E-05	5.87E-05	4.05E-06
229	470409.51	3819161.56	2.19E-04	9.21E-04	8.30E-05	1.83E-04	6.77E-04	5.95E-05	2.07E-05	1.19E-04	1.41E-05	1.88E-05	6.21E-05	4.28E-06
230	470413.01	3819170.27	2.32E-04	9.76E-04	8.79E-05	1.94E-04	7.17E-04	6.31E-05	2.19E-05	1.26E-04	1.50E-05	2.00E-05	6.58E-05	4.53E-06
231	470416.52	3819178.98	2.47E-04	1.04E-03	9.32E-05	2.05E-04	7.61E-04	6.69E-05	2.33E-05	1.33E-04	1.59E-05	2.12E-05	6.98E-05	4.81E-06
232	470420.03	3819187.69	2.62E-04	1.10E-03	9.89E-05	2.18E-04	8.07E-04	7.10E-05	2.47E-05	1.41E-04	1.69E-05	2.24E-05	7.40E-05	5.10E-06
233	470423.53	3819196.4	2.77E-04	1.16E-03	1.05E-04	2.31E-04	8.56E-04	7.53E-05	2.62E-05	1.50E-04	1.79E-05	2.38E-05	7.85E-05	5.41E-06
234	470427.04	3819205.11	2.93E-04	1.23E-03	1.11E-04	2.44E-04	9.06E-04	7.97E-05	2.77E-05	1.59E-04	1.89E-05	2.52E-05	8.31E-05	5.73E-06
235	470430.55	3819213.81	3.10E-04	1.30E-03	1.17E-04	2.58E-04	9.56E-04	8.41E-05	2.93E-05	1.67E-04	2.00E-05	2.66E-05	8.77E-05	6.05E-06
236	470273.77	3819078.45	2.68E-04	1.13E-03	1.02E-04	2.24E-04	8.28E-04	7.29E-05	2.53E-05	1.45E-04	1.73E-05	2.30E-05	7.60E-05	5.24E-06
237	470264.2	3819078.32	2.82E-04	1.18E-03	1.07E-04	2.35E-04	8.71E-04	7.66E-05	2.66E-05	1.53E-04	1.82E-05	2.42E-05	7.99E-05	5.50E-06
238	470254.64	3819078.18	2.95E-04	1.24E-03	1.11E-04	2.45E-04	9.09E-04	8.00E-05	2.78E-05	1.59E-04	1.90E-05	2.53E-05	8.34E-05	5.75E-06
239	470245.08	3819078.05	3.06E-04	1.29E-03	1.16E-04	2.55E-04	9.45E-04	8.31E-05	2.89E-05	1.66E-04	1.97E-05	2.63E-05	8.67E-05	5.97E-06
240	470235.52	3819077.91	3.17E-04	1.33E-03	1.20E-04	2.64E-04	9.77E-04	8.59E-05	2.99E-05	1.71E-04	2.04E-05	2.72E-05	8.96E-05	6.18E-06
241	470225.96	3819077.78	3.26E-04	1.37E-03	1.23E-04	2.71E-04	1.01E-03	8.85E-05	3.08E-05	1.76E-04	2.10E-05	2.80E-05	9.22E-05	6.36E-06
242	470216.39	3819077.64	3.34E-04	1.40E-03	1.26E-04	2.78E-04	1.03E-03	9.07E-05	3.15E-05	1.81E-04	2.15E-05	2.87E-05	9.46E-05	6.52E-06
243	470206.83	3819077.51	3.40E-04	1.43E-03	1.29E-04	2.84E-04	1.05E-03	9.24E-05	3.22E-05	1.84E-04	2.20E-05	2.92E-05	9.64E-05	6.64E-06
244	470197.27	3819077.37	3.45E-04	1.45E-03	1.30E-04	2.87E-04	1.06E-03	9.36E-05	3.26E-05	1.86E-04	2.22E-05	2.96E-05	9.76E-05	6.73E-06
245	470187.71	3819077.24	3.47E-04	1.46E-03	1.31E-04	2.89E-04	1.07E-03	9.43E-05	3.28E-05	1.88E-04	2.24E-05	2.98E-05	9.83E-05	6.78E-06
246	470159.02	3819076.83	3.42E-04	1.44E-03	1.29E-04	2.85E-04	1.06E-03	9.29E-05	3.23E-05	1.85E-04	2.21E-05	2.94E-05	9.69E-05	6.68E-06
247	470149.46	3819076.7	3.36E-04	1.41E-03	1.27E-04	2.80E-04	1.04E-03	9.13E-05	3.18E-05	1.82E-04	2.17E-05	2.89E-05	9.52E-05	6.56E-06
248	470139.9	3819076.56	3.29E-04	1.38E-03	1.24E-04	2.74E-04	1.02E-03	8.93E-05	3.11E-05	1.78E-04	2.12E-05	2.82E-05	9.31E-05	6.42E-06
249	470130.33	3819076.43	3.19E-04	1.34E-03	1.21E-04	2.66E-04	9.85E-04	8.67E-05	3.01E-05	1.73E-04	2.06E-05	2.74E-05	9.04E-05	6.23E-06
250	470120.77	3819076.29	3.08E-04	1.29E-03	1.17E-04	2.57E-04	9.51E-04	8.37E-05	2.91E-05	1.67E-04	1.99E-05	2.65E-05	8.73E-05	6.01E-06
251	470111.21	3819076.16	2.96E-04	1.24E-03	1.12E-04	2.47E-04	9.14E-04	8.04E-05	2.80E-05	1.60E-04	1.91E-05	2.54E-05	8.38E-05	5.78E-06
252	470317.26	3819073.03	1.99E-04	8.34E-04	7.51E-05	1.65E-04	6.13E-04	5.39E-05	1.88E-05	1.07E-04	1.28E-05	1.71E-05	5.62E-05	3.88E-06
253	470325.67	3819076.64	1.93E-04	8.12E-04	7.31E-05	1.61E-04	5.97E-04	5.25E-05	1.83E-05	1.05E-04	1.25E-05	1.66E-05	5.47E-05	3.77E-06
254	470334.08	3819080.25	1.89E-04	7.92E-04	7.13E-05	1.57E-04	5.82E-04	5.12E-05	1.78E-05	1.02E-04	1.22E-05	1.62E-05	5.34E-05	3.68E-06
255	470342.49	3819083.86	1.83E-04	7.68E-04	6.92E-05	1.52E-04	5.65E-04	4.97E-05	1.73E-05	9.89E-05	1.18E-05	1.57E-05	5.18E-05	3.57E-06
256	470350.9	3819087.47	1.77E-04	7.45E-04	6.71E-05	1.48E-04	5.47E-04	4.82E-05	1.68E-05	9.59E-05	1.14E-05	1.52E-05	5.02E-05	3.46E-06
257	470359.32	3819091.08	1.72E-04	7.23E-04	6.51E-05	1.43E-04	5.31E-04	4.67E-05	1.63E-05	9.31E-05	1.11E-05	1.48E-05	4.87E-05	3.36E-06
258	470367.73	3819094.69	1.67E-04	7.02E-04	6.32E-05	1.39E-04	5.16E-04	4.54E-05	1.58E-05	9.04E-05	1.08E-05	1.44E-05	4.73E-05	3.26E-06
259	470376.14	3819098.3	1.63E-04	6.83E-04	6.15E-05	1.36E-04	5.02E-04	4.42E-05	1.54E-05	8.79E-05	1.05E-05	1.40E-05	4.60E-05	3.17E-06
260	470384.55	3819101.91	1.59E-04	6.66E-04	6.00E-05	1.32E-04	4.89E-04	4.31E-05	1.50E-05	8.57E-05	1.02E-05	1.36E-05	4.49E-05	3.10E-06
261	470392.96	3819105.52	1.55E-04	6.51E-04	5.86E-05	1.29E-04	4.78E-04	4.21E-05	1.46E-05	8.38E-05	1.00E-05	1.33E-05	4.39E-05	3.03E-06
262	470401.37	3819109.13	1.52E-04	6.38E-04	5.74E-05	1.26E-04	4.69E-04	4.12E-05	1.43E-05	8.21E-05	9.80E-06	1.30E-05	4.30E-05	2.96E-06
263	470413.2	3819121.23	1.56E-04	6.54E-04	5.89E-05	1.30E-04	4.80E-04	4.22E-05	1.47E-05	8.41E-05	1.00E-05	1.34E-05	4.41E-05	3.04E-06
264	470416.62	3819129.73	1.63E-04	6.84E-04	6.16E-05	1.36E-04	5.03E-04	4.42E-05	1.54E-05	8.81E-05	1.05E-05	1.40E-05	4.61E-05	3.18E-06
265	470420.04	3819138.22	1.71E-04	7.18E-04	6.47E-05	1.42E-04	5.28E-04	4.64E-05	1.61E-05	9.24E-05	1.10E-05	1.47E-05	4.84E-05	3.34E-06
266	470423.46	3819146.71	1.80E-04	7.56E-04	6.80E-05	1.50E-04	5.55E-04	4.88E-05	1.70E-05	9.73E-05	1.16E-05	1.54E-05	5.09E-05	3.51E-06
267	470426.88	3819155.2	1.90E-04	7.97E-04	7.17E-05	1.58E-04	5.85E-04	5.15E-05	1.79E-05	1.03E-04	1.22E-05	1.63E-05	5.37E-05	3.70E-06
268	470430.3	3819163.69	2.00E-04	8.41E-04	7.57E-05	1.67E-04	6.18E-04	5.44E-05	1.89E-05	1.08E-04	1.29E-05	1.72E-05	5.67E-05	3.91E-06
269	470433.71	3819172.18	2.12E-04	8.89E-04	8.00E-05	1.76E-04	6.53E-04	5.74E-05	2.00E-05	1.14E-04	1.36E-05	1.82E-05	5.99E-05	4.13E-06
270	470437.13	3819180.67	2.24E-04	9.39E-04	8.46E-05	1.86E-04	6.90E-04	6.07E-05	2.11E-05	1.21E-04	1.44E-05	1.92E-05	6.33E-05	4.36E-06
271	470440.55	3819189.17	2.36E-04	9.92E-04	8.94E-05	1.97E-04	7.29E-04	6.41E-05	2.23E-05	1.28E-04	1.52E-05	2.03E-05	6.69E-05	4.61E-06
272	470443.97	3819197.66	2.49E-04	1.05E-03	9.43E-05	2.08E-04	7.69E-04	6.77E-05	2.35E-05	1.35E-04	1.61E-05	2.14E-05	7.06E-05	4.86E-06
273	470447.39	3819206.15	2.62E-04	1.10E-03	9.92E-05	2.19E-04	8.10E-04	7.12E-05	2.48E-05	1.42E-04	1.69E-05	2.25E-05	7.43E-05	5.12E-06
274	470450.81	3819214.64	2.76E-04	1.16E-03	1.04E-04	2.30E-04	8.51E-04	7.48E-05	2.60E-05	1.49E-04	1.78E-05	2.37E-05	7.80E-05	5.38E-06
275	470274.05	3819058.45	2.30E-04	9.66E-04	8.70E-05	1.92E-04	7.10E-04	6.25E-05	2.17E-05	1.24E-04	1.48E-05	1.98E-05	6.51E-05	4.49E-06
276	470264.49	3819058.32	2.40E-04	1.01E-03	9.09E-05	2.00E-04	7.42E-04	6.53E-05	2.27E-05	1.30E-04	1.55E-05	2.06E-05	6.81E-05	4.69E-06
277	470254.92	3819058.18	2.51E-04	1.05E-03	9.47E-05	2.09E-04	7.73E-04	6.80E-05	2.37E-05	1.35E-04	1.62E-05	2.15E-05	7.09E-05	4.89E-06
278	470245.36	3819058.05	2.60E-04	1.09E-03	9.83E-05	2.17E-04	8.02E-04	7.06E-05	2.45E-05	1.41E-04	1.68E-05	2.23E-05	7.36E-05	5.07E-06
279	470235.8	3819057.91	2.69E-04	1.13E-03	1.02E-04	2.24E-04	8.29E-04	7.29E-05	2.54E-05	1.45E-04	1.73E-05	2.31E-05	7.60E-05	5.24E-06
280	470226.24	3819057.78	2.76E-04	1.16E-03	1.04E-04	2.30E-04	8.52E-04	7.50E-05	2.61E-05	1.49E-04	1.78E-05	2.37E-05	7.82E-05	5.39E-06
281	470216.68	3819057.64	2.83E-04	1.19E-03	1.07E-04	2.36E-04	8.73E-04	7.68E-05	2.67E-05	1.53E-04	1.82E-05	2.43E-05	8.00E-05	5.52E-06
282	470207.11	3819057.51	2.88E-04	1.21E-03	1.09E-04	2.40E-04	8.89E-04	7.82E-05	2.72E-05	1.56E-04	1.86E-05	2.47E-05	8.15E-05	5.62E-06
283	470197.55	3819057.37	2.92E-04	1.23E-03	1.10E-04	2.43E-04	9.00E-04	7.92E-05	2.76E-05	1.58E-04	1.88E-05	2.50E-05	8.26E-05	5.69E-06
284	470187.99	3819057.24	2.94E-04	1.23E-03	1.11E-04	2.45E-04	9.07E-04	7.98E-05	2.78E-05	1.59E-04	1.90E-05	2.52E-05	8.32E-05	5.74E-06
285	470159.3	3819056.83	2.91E-04	1.22E-03	1.10E-04	2.42E-04	8.98E-04	7.90E-05	2.75E-05	1.57E-04	1.88E-05	2.50E-05	8.24E-05	5.68E-06
286	470149.74	3819056.7	2.87E-04	1.21E-03	1.09E-04	2.39E-04	8.85E-04	7.79E-05	2.71E-05	1.55E-04	1.85E-05	2.46E-05	8.12E-05	5.60E-06
287	470140.18	3819056.56	2.82E-04	1.18E-03	1.06E-04	2.34E-04	8.69E-04	7.64E-05	2.66E-05	1.52E-04	1.82E-05	2.42E-05	7.97E-05	5.49E-06
288	470130.62	3819056.43	2.74E-04	1.15E-03	1.04E-04	2.29E-04	8.47E-04	7.45E-05	2.59E-05	1.48E-04	1.77E-05	2.36E-05	7.77E-05	5.35E-06

289	470121.05	3819056.29	2.66E-04	1.12E-03	1.01E-04	2.22E-04	8.21E-04	7.23E-05	2.51E-05	1.44E-04	1.72E-05	2.28E-05	7.53E-05	5.19E-06
290	470111.49	3819056.16	2.57E-04	1.08E-03	9.72E-05	2.14E-04	7.93E-04	6.98E-05	2.43E-05	1.39E-04	1.66E-05	2.21E-05	7.28E-05	5.02E-06
291	470318.94	3819053.63	1.74E-04	7.30E-04	6.57E-05	1.45E-04	5.36E-04	4.72E-05	1.64E-05	9.40E-05	1.12E-05	1.49E-05	4.92E-05	3.39E-06
292	470327.7	3819057.39	1.69E-04	7.10E-04	6.39E-05	1.41E-04	5.21E-04	4.59E-05	1.60E-05	9.13E-05	1.09E-05	1.45E-05	4.78E-05	3.30E-06
293	470336.47	3819061.15	1.64E-04	6.90E-04	6.21E-05	1.37E-04	5.07E-04	4.46E-05	1.55E-05	8.88E-05	1.06E-05	1.41E-05	4.65E-05	3.21E-06
294	470345.23	3819064.92	1.60E-04	6.72E-04	6.05E-05	1.33E-04	4.94E-04	4.34E-05	1.51E-05	8.65E-05	1.03E-05	1.37E-05	4.53E-05	3.12E-06
295	470353.99	3819068.68	1.55E-04	6.51E-04	5.86E-05	1.29E-04	4.78E-04	4.21E-05	1.46E-05	8.38E-05	1.00E-05	1.33E-05	4.39E-05	3.02E-06
296	470362.75	3819072.44	1.50E-04	6.31E-04	5.68E-05	1.25E-04	4.64E-04	4.08E-05	1.42E-05	8.12E-05	9.69E-06	1.29E-05	4.25E-05	2.93E-06
297	470371.51	3819076.2	1.46E-04	6.12E-04	5.51E-05	1.21E-04	4.50E-04	3.96E-05	1.38E-05	7.88E-05	9.40E-06	1.25E-05	4.13E-05	2.85E-06
298	470380.28	3819079.96	1.42E-04	5.95E-04	5.36E-05	1.18E-04	4.37E-04	3.84E-05	1.34E-05	7.66E-05	9.14E-06	1.22E-05	4.01E-05	2.76E-06
299	470389.04	3819083.72	1.38E-04	5.79E-04	5.21E-05	1.15E-04	4.25E-04	3.74E-05	1.30E-05	7.45E-05	8.89E-06	1.18E-05	3.90E-05	2.69E-06
300	470397.8	3819087.48	1.34E-04	5.65E-04	5.08E-05	1.12E-04	4.15E-04	3.65E-05	1.27E-05	7.27E-05	8.67E-06	1.15E-05	3.81E-05	2.62E-06
301	470406.56	3819091.24	1.31E-04	5.52E-04	4.97E-05	1.09E-04	4.06E-04	3.57E-05	1.24E-05	7.11E-05	8.48E-06	1.13E-05	3.72E-05	2.56E-06
302	470415.32	3819095	1.29E-04	5.41E-04	4.87E-05	1.07E-04	3.97E-04	3.50E-05	1.22E-05	6.96E-05	8.31E-06	1.11E-05	3.64E-05	2.51E-06
303	470427.65	3819107.61	1.32E-04	5.54E-04	4.99E-05	1.10E-04	4.07E-04	3.58E-05	1.25E-05	7.13E-05	8.50E-06	1.13E-05	3.73E-05	2.57E-06
304	470431.21	3819116.45	1.38E-04	5.79E-04	5.21E-05	1.15E-04	4.25E-04	3.74E-05	1.30E-05	7.45E-05	8.89E-06	1.18E-05	3.90E-05	2.69E-06
305	470434.77	3819125.3	1.45E-04	6.07E-04	5.47E-05	1.20E-04	4.46E-04	3.92E-05	1.36E-05	7.81E-05	9.32E-06	1.24E-05	4.09E-05	2.82E-06
306	470438.33	3819134.14	1.52E-04	6.38E-04	5.74E-05	1.27E-04	4.69E-04	4.12E-05	1.43E-05	8.21E-05	9.80E-06	1.30E-05	4.30E-05	2.96E-06
307	470441.89	3819142.99	1.60E-04	6.72E-04	6.05E-05	1.33E-04	4.94E-04	4.34E-05	1.51E-05	8.65E-05	1.03E-05	1.37E-05	4.53E-05	3.12E-06
308	470445.45	3819151.83	1.69E-04	7.09E-04	6.38E-05	1.41E-04	5.21E-04	4.58E-05	1.59E-05	9.13E-05	1.09E-05	1.45E-05	4.78E-05	3.29E-06
309	470449.01	3819160.68	1.78E-04	7.49E-04	6.75E-05	1.49E-04	5.50E-04	4.84E-05	1.68E-05	9.64E-05	1.15E-05	1.53E-05	5.05E-05	3.48E-06
310	470452.57	3819169.52	1.89E-04	7.92E-04	7.13E-05	1.57E-04	5.82E-04	5.12E-05	1.78E-05	1.02E-04	1.22E-05	1.62E-05	5.34E-05	3.68E-06
311	470456.14	3819178.37	1.99E-04	8.37E-04	7.54E-05	1.66E-04	6.15E-04	5.41E-05	1.88E-05	1.08E-04	1.29E-05	1.71E-05	5.64E-05	3.89E-06
312	470459.7	3819187.21	2.10E-04	8.83E-04	7.96E-05	1.75E-04	6.49E-04	5.71E-05	1.99E-05	1.14E-04	1.36E-05	1.81E-05	5.95E-05	4.10E-06
313	470463.26	3819196.06	2.22E-04	9.31E-04	8.39E-05	1.85E-04	6.84E-04	6.02E-05	2.09E-05	1.20E-04	1.43E-05	1.90E-05	6.28E-05	4.33E-06
314	470466.82	3819204.9	2.33E-04	9.80E-04	8.83E-05	1.94E-04	7.20E-04	6.33E-05	2.20E-05	1.26E-04	1.51E-05	2.00E-05	6.61E-05	4.55E-06
315	470470.38	3819213.75	2.45E-04	1.03E-03	9.26E-05	2.04E-04	7.56E-04	6.65E-05	2.31E-05	1.32E-04	1.58E-05	2.10E-05	6.93E-05	4.78E-06
316	470274.33	3819038.45	2.00E-04	8.38E-04	7.55E-05	1.66E-04	6.16E-04	5.42E-05	1.88E-05	1.08E-04	1.29E-05	1.71E-05	5.65E-05	3.89E-06
317	470264.77	3819038.32	2.08E-04	8.73E-04	7.86E-05	1.73E-04	6.41E-04	5.64E-05	1.96E-05	1.12E-04	1.34E-05	1.78E-05	5.88E-05	4.06E-06
318	470255.21	3819038.18	2.16E-04	9.07E-04	8.17E-05	1.80E-04	6.66E-04	5.86E-05	2.04E-05	1.17E-04	1.39E-05	1.85E-05	6.11E-05	4.21E-06
319	470245.64	3819038.05	2.24E-04	9.40E-04	8.46E-05	1.86E-04	6.91E-04	6.07E-05	2.11E-05	1.21E-04	1.44E-05	1.92E-05	6.33E-05	4.37E-06
320	470236.08	3819037.91	2.31E-04	9.70E-04	8.73E-05	1.92E-04	7.13E-04	6.27E-05	2.18E-05	1.25E-04	1.49E-05	1.98E-05	6.54E-05	4.51E-06
321	470226.52	3819037.78	2.37E-04	9.96E-04	8.97E-05	1.98E-04	7.32E-04	6.44E-05	2.24E-05	1.28E-04	1.53E-05	2.04E-05	6.72E-05	4.63E-06
322	470216.96	3819037.64	2.43E-04	1.02E-03	9.17E-05	2.02E-04	7.49E-04	6.59E-05	2.29E-05	1.31E-04	1.56E-05	2.08E-05	6.87E-05	4.73E-06
323	470207.4	3819037.51	2.47E-04	1.04E-03	9.34E-05	2.06E-04	7.62E-04	6.70E-05	2.33E-05	1.33E-04	1.59E-05	2.12E-05	6.99E-05	4.82E-06
324	470197.83	3819037.37	2.50E-04	1.05E-03	9.46E-05	2.08E-04	7.72E-04	6.79E-05	2.36E-05	1.35E-04	1.61E-05	2.15E-05	7.08E-05	4.88E-06
325	470188.27	3819037.24	2.52E-04	1.06E-03	9.53E-05	2.10E-04	7.78E-04	6.84E-05	2.38E-05	1.36E-04	1.63E-05	2.16E-05	7.13E-05	4.92E-06
326	470159.58	3819036.83	2.50E-04	1.05E-03	9.47E-05	2.09E-04	7.73E-04	6.80E-05	2.36E-05	1.35E-04	1.62E-05	2.15E-05	7.09E-05	4.89E-06
327	470150.02	3819036.7	2.48E-04	1.04E-03	9.36E-05	2.06E-04	7.64E-04	6.72E-05	2.34E-05	1.34E-04	1.60E-05	2.12E-05	7.01E-05	4.83E-06
328	470140.46	3819036.56	2.44E-04	1.02E-03	9.21E-05	2.03E-04	7.51E-04	6.61E-05	2.30E-05	1.32E-04	1.57E-05	2.09E-05	6.89E-05	4.75E-06
329	470130.9	3819036.43	2.38E-04	1.00E-03	9.01E-05	1.98E-04	7.35E-04	6.46E-05	2.25E-05	1.29E-04	1.54E-05	2.04E-05	6.74E-05	4.65E-06
330	470121.34	3819036.29	2.32E-04	9.74E-04	8.77E-05	1.93E-04	7.16E-04	6.30E-05	2.19E-05	1.25E-04	1.50E-05	1.99E-05	6.56E-05	4.53E-06
331	470111.77	3819036.16	2.25E-04	9.45E-04	8.51E-05	1.87E-04	6.94E-04	6.11E-05	2.12E-05	1.22E-04	1.45E-05	1.93E-05	6.37E-05	4.39E-06
332	470318.45	3819033.3	1.54E-04	6.49E-04	5.84E-05	1.29E-04	4.77E-04	4.19E-05	1.46E-05	8.35E-05	9.96E-06	1.33E-05	4.37E-05	3.01E-06
333	470327.01	3819036.98	1.50E-04	6.31E-04	5.69E-05	1.25E-04	4.64E-04	4.08E-05	1.42E-05	8.13E-05	9.70E-06	1.29E-05	4.26E-05	2.93E-06
334	470335.58	3819040.66	1.46E-04	6.14E-04	5.53E-05	1.22E-04	4.51E-04	3.97E-05	1.38E-05	7.90E-05	9.43E-06	1.25E-05	4.14E-05	2.85E-06
335	470344.15	3819044.33	1.42E-04	5.96E-04	5.37E-05	1.18E-04	4.38E-04	3.85E-05	1.34E-05	7.67E-05	9.15E-06	1.22E-05	4.02E-05	2.77E-06
336	470352.71	3819048.01	1.38E-04	5.79E-04	5.21E-05	1.15E-04	4.25E-04	3.74E-05	1.30E-05	7.45E-05	8.89E-06	1.18E-05	3.90E-05	2.69E-06
337	470361.28	3819051.69	1.34E-04	5.63E-04	5.07E-05	1.12E-04	4.14E-04	3.64E-05	1.27E-05	7.24E-05	8.64E-06	1.15E-05	3.79E-05	2.61E-06
338	470369.85	3819055.36	1.30E-04	5.47E-04	4.93E-05	1.09E-04	4.02E-04	3.54E-05	1.23E-05	7.05E-05	8.41E-06	1.12E-05	3.69E-05	2.54E-06
339	470378.42	3819059.04	1.27E-04	5.33E-04	4.80E-05	1.06E-04	3.92E-04	3.45E-05	1.20E-05	6.86E-05	8.19E-06	1.09E-05	3.59E-05	2.48E-06
340	470386.98	3819062.72	1.24E-04	5.19E-04	4.68E-05	1.03E-04	3.81E-04	3.36E-05	1.17E-05	6.68E-05	7.97E-06	1.06E-05	3.50E-05	2.41E-06
341	470395.55	3819066.4	1.20E-04	5.06E-04	4.55E-05	1.00E-04	3.71E-04	3.27E-05	1.14E-05	6.51E-05	7.76E-06	1.03E-05	3.41E-05	2.35E-06
342	470404.12	3819070.07	1.17E-04	4.93E-04	4.44E-05	9.78E-05	3.62E-04	3.19E-05	1.11E-05	6.35E-05	7.57E-06	1.01E-05	3.32E-05	2.29E-06
343	470412.69	3819073.75	1.15E-04	4.82E-04	4.34E-05	9.55E-05	3.54E-04	3.11E-05	1.08E-05	6.20E-05	7.40E-06	9.85E-06	3.25E-05	2.24E-06
344	470421.25	3819077.43	1.12E-04	4.72E-04	4.25E-05	9.35E-05	3.47E-04	3.05E-05	1.06E-05	6.07E-05	7.24E-06	9.64E-06	3.18E-05	2.19E-06
345	470429.82	3819081.1	1.10E-04	4.63E-04	4.17E-05	9.18E-05	3.40E-04	2.99E-05	1.04E-05	5.96E-05	7.11E-06	9.46E-06	3.12E-05	2.15E-06
346	470441.87	3819093.43	1.13E-04	4.73E-04	4.26E-05	9.38E-05	3.48E-04	3.06E-05	1.06E-05	6.09E-05	7.26E-06	9.67E-06	3.19E-05	2.20E-06
347	470445.35	3819102.08	1.17E-04	4.93E-04	4.44E-05	9.77E-05	3.62E-04	3.19E-05	1.11E-05	6.34E-05	7.57E-06	1.01E-05	3.32E-05	2.29E-06
348	470448.83	3819110.73	1.23E-04	5.15E-04	4.63E-05	1.02E-04	3.78E-04	3.33E-05	1.16E-05	6.62E-05	7.90E-06	1.05E-05	3.47E-05	2.39E-06
349	470452.32	3819119.38	1.28E-04	5.38E-04	4.85E-05	1.07E-04	3.96E-04	3.48E-05	1.21E-05	6.93E-05	8.27E-06	1.10E-05	3.63E-05	2.50E-06
350	470455.8	3819128.02	1.34E-04	5.65E-04	5.09E-05	1.12E-04	4.15E-04	3.65E-05	1.27E-05	7.27E-05	8.67E-06	1.15E-05	3.81E-05	2.62E-06
351	470459.28	3819136.67	1.41E-04	5.93E-04	5.34E-05	1.18E-04	4.36E-04	3.84E-05	1.33E-05	7.64E-05	9.11E-06	1.21E-05	4.00E-05	2.76E-06
352	470462.76	3819145.32	1.49E-04	6.24E-04	5.62E-05	1.24E-04	4.59E-04	4.04E-05	1.40E-05	8.04E-05	9.59E-06	1.28E-05	4.21E-05	2.90E-06
353	470466.24	3819153.97	1.57E-04	6.58E-04	5.92E-05	1.30E-04	4.83E-04	4.25E-05	1.48E-05	8.47E-05	1.01E-05	1.34E-05	4.43E-05	3.06E-06
354	470469.73	3819162.62	1.65E-04	6.93E-04	6.24E-05	1.37E-04	5.09E-04	4.48E-05	1.56E-05	8.92E-05	1.06E-05	1.42E-05	4.67E-05	3.22E-06
355	470274.61	3819018.46	1.75E-04	7.34E-04	6.61E-05	1.46E-04	5.39E-04	4.74E-05	1.65E-05	9.45E-05	1.13E-05	1.50E-05	4.95E-05	3.41E-06
356	470265.05	3819018.32	1.82E-04	7.64E-04	6.88E-05	1.51E-04	5.61E-04	4.94E-05	1.72E-05	9.83E-05	1.17E-05	1.56E-05	5.15E-05	3.55E-06
357	470255.49	3819018.19	1.89E-04	7.92E-04	7.13E-05	1.57E-04	5.82E-04	5.12E-05	1.78E-05	1.02E-04	1.22E-05	1.62E-05	5.34E-05	3.68E-06
358	470245.93	3819018.05	1.95E-04	8.19E-04	7.37E-05	1.62E-04	6.02E-04	5.29E-05	1.84E-05	1.05E-04	1.26E-05	1.67E-05	5.52E-05	3.80E-06
359	470236.36	3819017.92	2.01E-04	8.43E-04	7.60E-05	1.67E-04	6.20E-04	5.45E-05	1.90E-05	1.09E-04	1.30E-05	1.72E-05	5.68E-05	3.92E-06
360	470226.8	3819017.78	2.06E-04	8.65E-04	7.79E-05	1.72E-04	6.36E-04	5.59E-05	1.95E-05	1.11E-04	1.33E-05	1.77E-05	5.83E-05	4.02E-06
361	470217.24	3819017.65	2.10E-04	8.84E-04	7.96E-05	1.75E-04	6.49E-04	5.71E-05	1.99E-05	1.14E-04	1.36E-05	1.81E-05	5.96E-05	4.11E-06

362	470207.68	3819017.51	2.14E-04	8.99E-04	8.09E-05	1.78E-04	6.60E-04	5.81E-05	2.02E-05	1.16E-04	1.38E-05	1.84E-05	6.06E-05	4.18E-06
363	470198.12	3819017.38	2.17E-04	9.10E-04	8.19E-05	1.80E-04	6.69E-04	5.88E-05	2.05E-05	1.17E-04	1.40E-05	1.86E-05	6.13E-05	4.23E-06
364	470188.55	3819017.24	2.18E-04	9.17E-04	8.26E-05	1.82E-04	6.74E-04	5.93E-05	2.06E-05	1.18E-04	1.41E-05	1.87E-05	6.18E-05	4.26E-06
365	470159.87	3819016.84	2.18E-04	9.14E-04	8.23E-05	1.81E-04	6.72E-04	5.91E-05	2.06E-05	1.18E-04	1.40E-05	1.87E-05	6.16E-05	4.25E-06
366	470150.3	3819016.7	2.16E-04	9.05E-04	8.15E-05	1.80E-04	6.65E-04	5.85E-05	2.04E-05	1.17E-04	1.39E-05	1.85E-05	6.10E-05	4.21E-06
367	470140.74	3819016.57	2.13E-04	8.93E-04	8.04E-05	1.77E-04	6.56E-04	5.77E-05	2.01E-05	1.15E-04	1.37E-05	1.83E-05	6.02E-05	4.15E-06
368	470131.18	3819016.43	2.09E-04	8.76E-04	7.89E-05	1.74E-04	6.43E-04	5.66E-05	1.97E-05	1.13E-04	1.35E-05	1.79E-05	5.90E-05	4.07E-06
369	470121.62	3819016.3	2.04E-04	8.55E-04	7.70E-05	1.70E-04	6.29E-04	5.53E-05	1.92E-05	1.10E-04	1.31E-05	1.75E-05	5.77E-05	3.97E-06
370	470112.06	3819016.16	1.98E-04	8.33E-04	7.50E-05	1.65E-04	6.12E-04	5.38E-05	1.87E-05	1.07E-04	1.28E-05	1.70E-05	5.61E-05	3.87E-06
371	470318.1	3819013.04	1.38E-04	5.80E-04	5.22E-05	1.15E-04	4.26E-04	3.75E-05	1.30E-05	7.47E-05	8.91E-06	1.19E-05	3.91E-05	2.70E-06
372	470326.52	3819016.65	1.35E-04	5.66E-04	5.10E-05	1.12E-04	4.16E-04	3.66E-05	1.27E-05	7.29E-05	8.70E-06	1.16E-05	3.82E-05	2.63E-06
373	470334.93	3819020.26	1.31E-04	5.52E-04	4.97E-05	1.09E-04	4.05E-04	3.57E-05	1.24E-05	7.10E-05	8.47E-06	1.13E-05	3.72E-05	2.56E-06
374	470343.34	3819023.87	1.28E-04	5.37E-04	4.83E-05	1.06E-04	3.94E-04	3.47E-05	1.21E-05	6.91E-05	8.24E-06	1.10E-05	3.62E-05	2.49E-06
375	470351.75	3819027.48	1.24E-04	5.22E-04	4.70E-05	1.03E-04	3.83E-04	3.37E-05	1.17E-05	6.72E-05	8.01E-06	1.07E-05	3.52E-05	2.42E-06
376	470360.16	3819031.09	1.21E-04	5.07E-04	4.57E-05	1.01E-04	3.73E-04	3.28E-05	1.14E-05	6.53E-05	7.79E-06	1.04E-05	3.42E-05	2.36E-06
377	470368.57	3819034.7	1.17E-04	4.93E-04	4.44E-05	9.77E-05	3.62E-04	3.18E-05	1.11E-05	6.34E-05	7.56E-06	1.01E-05	3.32E-05	2.29E-06
378	470376.99	3819038.31	1.14E-04	4.79E-04	4.31E-05	9.49E-05	3.52E-04	3.09E-05	1.08E-05	6.16E-05	7.35E-06	9.78E-06	3.23E-05	2.22E-06
379	470385.4	3819041.92	1.11E-04	4.65E-04	4.19E-05	9.23E-05	3.42E-04	3.01E-05	1.05E-05	5.99E-05	7.15E-06	9.51E-06	3.14E-05	2.16E-06
380	470393.81	3819045.53	1.08E-04	4.53E-04	4.08E-05	8.98E-05	3.33E-04	2.93E-05	1.02E-05	5.83E-05	6.95E-06	9.25E-06	3.05E-05	2.10E-06
381	470402.22	3819049.14	1.05E-04	4.42E-04	3.98E-05	8.76E-05	3.25E-04	2.86E-05	9.93E-06	5.69E-05	6.78E-06	9.03E-06	2.98E-05	2.05E-06
382	470410.63	3819052.75	1.03E-04	4.32E-04	3.89E-05	8.57E-05	3.17E-04	2.79E-05	9.72E-06	5.56E-05	6.64E-06	8.83E-06	2.91E-05	2.01E-06
383	470419.04	3819056.36	1.01E-04	4.25E-04	3.82E-05	8.42E-05	3.12E-04	2.74E-05	9.55E-06	5.47E-05	6.52E-06	8.68E-06	2.86E-05	1.97E-06
384	470427.46	3819059.97	9.90E-05	4.16E-04	3.74E-05	8.24E-05	3.05E-04	2.69E-05	9.34E-06	5.35E-05	6.38E-06	8.50E-06	2.80E-05	1.93E-06
385	470435.87	3819063.58	9.70E-05	4.08E-04	3.67E-05	8.08E-05	2.99E-04	2.63E-05	9.16E-06	5.25E-05	6.26E-06	8.33E-06	2.75E-05	1.89E-06
386	470444.28	3819067.19	9.53E-05	4.00E-04	3.61E-05	7.94E-05	2.94E-04	2.59E-05	9.00E-06	5.15E-05	6.15E-06	8.18E-06	2.70E-05	1.86E-06
387	470274.9	3818998.46	1.55E-04	6.50E-04	5.85E-05	1.29E-04	4.77E-04	4.20E-05	1.46E-05	8.36E-05	9.98E-06	1.33E-05	4.38E-05	3.02E-06
388	470265.33	3818998.32	1.61E-04	6.74E-04	6.07E-05	1.34E-04	4.95E-04	4.36E-05	1.52E-05	8.68E-05	1.04E-05	1.38E-05	4.55E-05	3.13E-06
389	470255.77	3818998.19	1.66E-04	6.98E-04	6.29E-05	1.38E-04	5.13E-04	4.51E-05	1.57E-05	8.98E-05	1.07E-05	1.43E-05	4.70E-05	3.24E-06
390	470246.21	3818998.05	1.71E-04	7.20E-04	6.48E-05	1.43E-04	5.29E-04	4.65E-05	1.62E-05	9.27E-05	1.11E-05	1.47E-05	4.85E-05	3.35E-06
391	470236.65	3818997.92	1.76E-04	7.40E-04	6.67E-05	1.47E-04	5.44E-04	4.79E-05	1.66E-05	9.53E-05	1.14E-05	1.51E-05	4.99E-05	3.44E-06
392	470227.08	3818997.78	1.81E-04	7.58E-04	6.83E-05	1.50E-04	5.57E-04	4.90E-05	1.70E-05	9.76E-05	1.16E-05	1.55E-05	5.11E-05	3.52E-06
393	470217.52	3818997.65	1.84E-04	7.74E-04	6.97E-05	1.53E-04	5.69E-04	5.00E-05	1.74E-05	9.96E-05	1.19E-05	1.58E-05	5.21E-05	3.59E-06
394	470207.96	3818997.51	1.87E-04	7.86E-04	7.08E-05	1.56E-04	5.78E-04	5.08E-05	1.77E-05	1.01E-04	1.21E-05	1.61E-05	5.30E-05	3.65E-06
395	470198.4	3818997.38	1.90E-04	7.96E-04	7.17E-05	1.58E-04	5.85E-04	5.15E-05	1.79E-05	1.02E-04	1.22E-05	1.63E-05	5.36E-05	3.70E-06
396	470188.84	3818997.24	1.91E-04	8.02E-04	7.23E-05	1.59E-04	5.90E-04	5.19E-05	1.80E-05	1.03E-04	1.23E-05	1.64E-05	5.41E-05	3.73E-06
397	470160.15	3818996.84	1.91E-04	8.02E-04	7.22E-05	1.59E-04	5.89E-04	5.18E-05	1.80E-05	1.03E-04	1.23E-05	1.64E-05	5.41E-05	3.73E-06
398	470150.59	3818996.7	1.89E-04	7.96E-04	7.16E-05	1.58E-04	5.85E-04	5.14E-05	1.79E-05	1.02E-04	1.22E-05	1.63E-05	5.36E-05	3.70E-06
399	470141.02	3818996.57	1.87E-04	7.86E-04	7.08E-05	1.56E-04	5.78E-04	5.08E-05	1.77E-05	1.01E-04	1.21E-05	1.61E-05	5.30E-05	3.65E-06
400	470131.46	3818996.43	1.84E-04	7.73E-04	6.96E-05	1.53E-04	5.68E-04	4.99E-05	1.74E-05	9.95E-05	1.19E-05	1.58E-05	5.21E-05	3.59E-06
401	470121.9	3818996.3	1.80E-04	7.57E-04	6.82E-05	1.50E-04	5.56E-04	4.89E-05	1.70E-05	9.74E-05	1.16E-05	1.55E-05	5.10E-05	3.52E-06
402	470112.34	3818996.16	1.76E-04	7.39E-04	6.65E-05	1.47E-04	5.43E-04	4.78E-05	1.66E-05	9.51E-05	1.13E-05	1.51E-05	4.98E-05	3.43E-06
403	470319.45	3818993.5	1.24E-04	5.20E-04	4.68E-05	1.03E-04	3.82E-04	3.36E-05	1.17E-05	6.69E-05	7.99E-06	1.06E-05	3.50E-05	2.42E-06
404	470328.13	3818997.22	1.21E-04	5.08E-04	4.57E-05	1.01E-04	3.73E-04	3.28E-05	1.14E-05	6.53E-05	7.80E-06	1.04E-05	3.42E-05	2.36E-06
405	470336.81	3819000.95	1.18E-04	4.95E-04	4.46E-05	9.81E-05	3.64E-04	3.20E-05	1.11E-05	6.37E-05	7.60E-06	1.01E-05	3.33E-05	2.30E-06
406	470345.49	3819004.67	1.15E-04	4.82E-04	4.34E-05	9.55E-05	3.54E-04	3.11E-05	1.08E-05	6.20E-05	7.40E-06	9.84E-06	3.25E-05	2.24E-06
407	470354.17	3819008.4	1.12E-04	4.68E-04	4.22E-05	9.29E-05	3.44E-04	3.03E-05	1.05E-05	6.03E-05	7.19E-06	9.57E-06	3.16E-05	2.18E-06
408	470362.85	3819012.12	1.08E-04	4.55E-04	4.10E-05	9.03E-05	3.34E-04	2.94E-05	1.02E-05	5.86E-05	6.99E-06	9.30E-06	3.07E-05	2.11E-06
409	470371.53	3819015.85	1.05E-04	4.42E-04	3.98E-05	8.77E-05	3.25E-04	2.86E-05	9.94E-06	5.69E-05	6.79E-06	9.04E-06	2.98E-05	2.05E-06
410	470380.21	3819019.57	1.02E-04	4.30E-04	3.87E-05	8.52E-05	3.16E-04	2.78E-05	9.66E-06	5.53E-05	6.60E-06	8.78E-06	2.90E-05	2.00E-06
411	470388.88	3819023.3	9.94E-05	4.18E-04	3.76E-05	8.28E-05	3.07E-04	2.70E-05	9.39E-06	5.37E-05	6.41E-06	8.53E-06	2.81E-05	1.94E-06
412	470397.56	3819027.02	9.67E-05	4.06E-04	3.66E-05	8.05E-05	2.98E-04	2.62E-05	9.13E-06	5.23E-05	6.23E-06	8.30E-06	2.74E-05	1.89E-06
413	470406.24	3819030.75	9.41E-05	3.95E-04	3.56E-05	7.84E-05	2.90E-04	2.55E-05	8.88E-06	5.09E-05	6.07E-06	8.08E-06	2.66E-05	1.84E-06
414	470414.92	3819034.47	9.18E-05	3.86E-04	3.47E-05	7.65E-05	2.83E-04	2.49E-05	8.67E-06	4.96E-05	5.92E-06	7.88E-06	2.60E-05	1.79E-06
415	470423.6	3819038.2	9.00E-05	3.78E-04	3.40E-05	7.50E-05	2.78E-04	2.44E-05	8.50E-06	4.87E-05	5.81E-06	7.73E-06	2.55E-05	1.76E-06
416	470432.28	3819041.92	8.83E-05	3.71E-04	3.34E-05	7.35E-05	2.72E-04	2.40E-05	8.33E-06	4.77E-05	5.69E-06	7.58E-06	2.50E-05	1.72E-06
417	470440.96	3819045.65	8.64E-05	3.63E-04	3.27E-05	7.20E-05	2.67E-04	2.35E-05	8.16E-06	4.67E-05	5.57E-06	7.42E-06	2.45E-05	1.69E-06
418	470275.18	3818978.46	1.38E-04	5.79E-04	5.22E-05	1.15E-04	4.26E-04	3.74E-05	1.30E-05	7.46E-05	8.90E-06	1.18E-05	3.90E-05	2.69E-06
419	470265.62	3818978.33	1.43E-04	6.00E-04	5.40E-05	1.19E-04	4.41E-04	3.88E-05	1.35E-05	7.72E-05	9.21E-06	1.23E-05	4.04E-05	2.79E-06
420	470256.05	3818978.19	1.48E-04	6.20E-04	5.58E-05	1.23E-04	4.55E-04	4.00E-05	1.39E-05	7.98E-05	9.52E-06	1.27E-05	4.18E-05	2.88E-06
421	470246.49	3818978.06	1.52E-04	6.38E-04	5.75E-05	1.27E-04	4.69E-04	4.12E-05	1.43E-05	8.21E-05	9.80E-06	1.30E-05	4.30E-05	2.96E-06
422	470236.93	3818977.92	1.56E-04	6.55E-04	5.90E-05	1.30E-04	4.81E-04	4.23E-05	1.47E-05	8.43E-05	1.01E-05	1.34E-05	4.41E-05	3.04E-06
423	470227.37	3818977.79	1.60E-04	6.70E-04	6.03E-05	1.33E-04	4.92E-04	4.33E-05	1.51E-05	8.63E-05	1.03E-05	1.37E-05	4.52E-05	3.11E-06
424	470217.8	3818977.65	1.63E-04	6.83E-04	6.15E-05	1.35E-04	5.02E-04	4.42E-05	1.54E-05	8.79E-05	1.05E-05	1.40E-05	4.60E-05	3.17E-06
425	470208.24	3818977.52	1.65E-04	6.94E-04	6.25E-05	1.38E-04	5.10E-04	4.49E-05	1.56E-05	8.93E-05	1.07E-05	1.42E-05	4.68E-05	3.22E-06
426	470198.68	3818977.38	1.67E-04	7.02E-04	6.32E-05	1.39E-04	5.16E-04	4.54E-05	1.58E-05	9.04E-05	1.08E-05	1.44E-05	4.73E-05	3.26E-06
427	470189.12	3818977.25	1.69E-04	7.08E-04	6.37E-05	1.40E-04	5.20E-04	4.58E-05	1.59E-05	9.11E-05	1.09E-05	1.45E-05	4.77E-05	3.29E-06
428	470160.43	3818976.84	1.69E-04	7.09E-04	6.39E-05	1.41E-04	5.21E-04	4.58E-05	1.59E-05	9.13E-05	1.09E-05	1.45E-05	4.78E-05	3.29E-06
429	470150.87	3818976.71	1.68E-04	7.04E-04	6.34E-05	1.40E-04	5.18E-04	4.55E-05	1.58E-05	9.07E-05	1.08E-05	1.44E-05	4.75E-05	3.27E-06
430	470141.31	3818976.57	1.66E-04	6.97E-04	6.28E-05	1.38E-04	5.12E-04	4.51E-05	1.57E-05	8.97E-05	1.07E-05	1.42E-05	4.70E-05	3.24E-06
431	470131.74	3818976.44	1.64E-04	6.87E-04	6.19E-05	1.36E-04	5.05E-04	4.44E-05	1.54E-05	8.84E-05	1.06E-05	1.40E-05	4.63E-05	3.19E-06
432	470122.18	3818976.3	1.61E-04	6.75E-04	6.08E-05	1.34E-04	4.96E-04	4.36E-05	1.52E-05	8.68E-05	1.04E-05	1.38E-05	4.55E-05	3.13E-06
433	470112.62	3818976.17	1.57E-04	6.61E-04	5.95E-05	1.31E-04	4.85E-04	4.27E-05	1.49E-05	8.50E-05	1.01E-05	1.35E-05	4.45E-05	3.07E-06
434	470319.16	3818973.25	1.12E-04	4.69E-04	4.22E-05	9.29E-05	3.44E-04	3.03E-05	1.05E-05	6.03E-05	7.20E-06	9.58E-06	3.16E-05	2.18E-06

435	470327.69	3818976.91	1.09E-04	4.59E-04	4.13E-05	9.10E-05	3.37E-04	2.97E-05	1.03E-05	5.91E-05	7.05E-06	9.38E-06	3.09E-05	2.13E-06
436	470336.22	3818980.57	1.07E-04	4.49E-04	4.04E-05	8.90E-05	3.30E-04	2.90E-05	1.01E-05	5.77E-05	6.89E-06	9.17E-06	3.02E-05	2.08E-06
437	470344.76	3818984.24	1.04E-04	4.38E-04	3.95E-05	8.69E-05	3.22E-04	2.83E-05	9.85E-06	5.64E-05	6.73E-06	8.96E-06	2.95E-05	2.04E-06
438	470353.29	3818987.9	1.02E-04	4.27E-04	3.85E-05	8.47E-05	3.14E-04	2.76E-05	9.61E-06	5.50E-05	6.56E-06	8.73E-06	2.88E-05	1.99E-06
439	470361.82	3818991.56	9.91E-05	4.16E-04	3.75E-05	8.25E-05	3.06E-04	2.69E-05	9.35E-06	5.36E-05	6.39E-06	8.50E-06	2.80E-05	1.93E-06
440	470370.36	3818995.22	9.64E-05	4.05E-04	3.65E-05	8.03E-05	2.97E-04	2.62E-05	9.10E-06	5.21E-05	6.22E-06	8.28E-06	2.73E-05	1.88E-06
441	470378.89	3818998.89	9.38E-05	3.94E-04	3.55E-05	7.81E-05	2.89E-04	2.55E-05	8.86E-06	5.07E-05	6.05E-06	8.05E-06	2.65E-05	1.83E-06
442	470387.42	3819002.55	9.12E-05	3.83E-04	3.45E-05	7.60E-05	2.82E-04	2.48E-05	8.61E-06	4.93E-05	5.88E-06	7.83E-06	2.58E-05	1.78E-06
443	470395.96	3819006.21	8.88E-05	3.73E-04	3.36E-05	7.39E-05	2.74E-04	2.41E-05	8.38E-06	4.80E-05	5.72E-06	7.62E-06	2.51E-05	1.73E-06
444	470404.49	3819009.88	8.64E-05	3.63E-04	3.27E-05	7.20E-05	2.67E-04	2.35E-05	8.16E-06	4.67E-05	5.57E-06	7.42E-06	2.45E-05	1.69E-06
445	470413.03	3819013.54	8.41E-05	3.53E-04	3.18E-05	7.01E-05	2.60E-04	2.28E-05	7.95E-06	4.55E-05	5.43E-06	7.22E-06	2.38E-05	1.64E-06
446	470421.56	3819017.2	8.21E-05	3.45E-04	3.10E-05	6.84E-05	2.53E-04	2.23E-05	7.75E-06	4.44E-05	5.29E-06	7.04E-06	2.32E-05	1.60E-06
447	470430.09	3819020.86	8.02E-05	3.37E-04	3.03E-05	6.68E-05	2.48E-04	2.18E-05	7.58E-06	4.34E-05	5.17E-06	6.89E-06	2.27E-05	1.57E-06
448	470438.63	3819024.53	7.86E-05	3.30E-04	2.97E-05	6.55E-05	2.43E-04	2.13E-05	7.43E-06	4.25E-05	5.07E-06	6.75E-06	2.23E-05	1.53E-06
449	470554.12	3819223.74	1.72E-04	7.24E-04	6.52E-05	1.44E-04	5.32E-04	4.68E-05	1.63E-05	9.32E-05	1.11E-05	1.48E-05	4.88E-05	3.37E-06
450	470557.59	3819232.36	1.78E-04	7.48E-04	6.73E-05	1.48E-04	5.49E-04	4.83E-05	1.68E-05	9.62E-05	1.15E-05	1.53E-05	5.04E-05	3.47E-06
451	470275.46	3818958.46	1.24E-04	5.20E-04	4.68E-05	1.03E-04	3.82E-04	3.36E-05	1.17E-05	6.69E-05	7.98E-06	1.06E-05	3.50E-05	2.41E-06
452	470265.9	3818958.33	1.28E-04	5.37E-04	4.84E-05	1.07E-04	3.95E-04	3.47E-05	1.21E-05	6.91E-05	8.25E-06	1.10E-05	3.62E-05	2.50E-06
453	470256.34	3818958.19	1.32E-04	5.54E-04	4.99E-05	1.10E-04	4.07E-04	3.58E-05	1.24E-05	7.13E-05	8.50E-06	1.13E-05	3.73E-05	2.57E-06
454	470246.77	3818958.06	1.36E-04	5.69E-04	5.13E-05	1.13E-04	4.18E-04	3.68E-05	1.28E-05	7.33E-05	8.74E-06	1.16E-05	3.84E-05	2.64E-06
455	470237.21	3818957.92	1.39E-04	5.84E-04	5.26E-05	1.16E-04	4.29E-04	3.77E-05	1.31E-05	7.51E-05	8.96E-06	1.19E-05	3.93E-05	2.71E-06
456	470227.65	3818957.79	1.42E-04	5.96E-04	5.37E-05	1.18E-04	4.38E-04	3.85E-05	1.34E-05	7.68E-05	9.16E-06	1.22E-05	4.02E-05	2.77E-06
457	470218.09	3818957.65	1.45E-04	6.07E-04	5.47E-05	1.20E-04	4.46E-04	3.93E-05	1.37E-05	7.82E-05	9.33E-06	1.24E-05	4.09E-05	2.82E-06
458	470208.52	3818957.52	1.47E-04	6.17E-04	5.55E-05	1.22E-04	4.53E-04	3.99E-05	1.39E-05	7.94E-05	9.47E-06	1.26E-05	4.16E-05	2.87E-06
459	470198.96	3818957.38	1.49E-04	6.24E-04	5.62E-05	1.24E-04	4.58E-04	4.03E-05	1.40E-05	8.03E-05	9.58E-06	1.28E-05	4.21E-05	2.90E-06
460	470189.4	3818957.25	1.50E-04	6.29E-04	5.67E-05	1.25E-04	4.62E-04	4.07E-05	1.41E-05	8.10E-05	9.66E-06	1.29E-05	4.24E-05	2.92E-06
461	470160.71	3818956.84	1.50E-04	6.31E-04	5.69E-05	1.25E-04	4.64E-04	4.08E-05	1.42E-05	8.13E-05	9.70E-06	1.29E-05	4.26E-05	2.93E-06
462	470151.15	3818956.71	1.49E-04	6.28E-04	5.65E-05	1.25E-04	4.61E-04	4.06E-05	1.41E-05	8.08E-05	9.64E-06	1.28E-05	4.23E-05	2.92E-06
463	470141.59	3818956.57	1.48E-04	6.22E-04	5.60E-05	1.23E-04	4.57E-04	4.02E-05	1.40E-05	8.01E-05	9.56E-06	1.27E-05	4.19E-05	2.89E-06
464	470132.03	3818956.44	1.46E-04	6.15E-04	5.54E-05	1.22E-04	4.52E-04	3.97E-05	1.38E-05	7.91E-05	9.44E-06	1.26E-05	4.14E-05	2.86E-06
465	470122.46	3818956.3	1.44E-04	6.05E-04	5.45E-05	1.20E-04	4.45E-04	3.91E-05	1.36E-05	7.79E-05	9.30E-06	1.24E-05	4.08E-05	2.81E-06
466	470112.9	3818956.17	1.42E-04	5.95E-04	5.36E-05	1.18E-04	4.37E-04	3.84E-05	1.34E-05	7.66E-05	9.14E-06	1.22E-05	4.01E-05	2.76E-06
467	470320.35	3818953.64	1.01E-04	4.22E-04	3.80E-05	8.38E-05	3.10E-04	2.73E-05	9.50E-06	5.44E-05	6.49E-06	8.63E-06	2.85E-05	1.96E-06
468	470329.12	3818957.4	9.84E-05	4.13E-04	3.72E-05	8.20E-05	3.04E-04	2.67E-05	9.29E-06	5.32E-05	6.35E-06	8.45E-06	2.79E-05	1.92E-06
469	470337.88	3818961.16	9.63E-05	4.04E-04	3.64E-05	8.02E-05	2.97E-04	2.61E-05	9.09E-06	5.20E-05	6.21E-06	8.26E-06	2.72E-05	1.88E-06
470	470346.64	3818964.93	9.40E-05	3.95E-04	3.56E-05	7.83E-05	2.90E-04	2.55E-05	8.88E-06	5.08E-05	6.07E-06	8.07E-06	2.66E-05	1.84E-06
471	470355.4	3818968.69	9.18E-05	3.85E-04	3.47E-05	7.65E-05	2.83E-04	2.49E-05	8.67E-06	4.96E-05	5.92E-06	7.88E-06	2.60E-05	1.79E-06
472	470364.16	3818972.45	8.95E-05	3.76E-04	3.39E-05	7.46E-05	2.76E-04	2.43E-05	8.45E-06	4.84E-05	5.77E-06	7.69E-06	2.53E-05	1.75E-06
473	470372.93	3818976.21	8.72E-05	3.66E-04	3.30E-05	7.27E-05	2.69E-04	2.37E-05	8.24E-06	4.72E-05	5.63E-06	7.49E-06	2.47E-05	1.70E-06
474	470381.69	3818979.97	8.50E-05	3.57E-04	3.22E-05	7.08E-05	2.62E-04	2.31E-05	8.03E-06	4.60E-05	5.48E-06	7.30E-06	2.41E-05	1.66E-06
475	470390.45	3818983.73	8.29E-05	3.48E-04	3.13E-05	6.90E-05	2.56E-04	2.25E-05	7.83E-06	4.48E-05	5.35E-06	7.11E-06	2.35E-05	1.62E-06
476	470399.21	3818987.49	8.07E-05	3.39E-04	3.05E-05	6.72E-05	2.49E-04	2.19E-05	7.62E-06	4.36E-05	5.20E-06	6.93E-06	2.28E-05	1.57E-06
477	470407.97	3818991.25	7.85E-05	3.30E-04	2.97E-05	6.54E-05	2.42E-04	2.13E-05	7.41E-06	4.24E-05	5.06E-06	6.74E-06	2.22E-05	1.53E-06
478	470416.74	3818995.01	7.64E-05	3.21E-04	2.89E-05	6.37E-05	2.36E-04	2.07E-05	7.22E-06	4.13E-05	4.93E-06	6.56E-06	2.16E-05	1.49E-06
479	470425.5	3818998.77	7.45E-05	3.13E-04	2.82E-05	6.20E-05	2.30E-04	2.02E-05	7.03E-06	4.03E-05	4.80E-06	6.39E-06	2.11E-05	1.45E-06
480	470434.26	3819002.53	7.26E-05	3.05E-04	2.75E-05	6.05E-05	2.24E-04	1.97E-05	6.86E-06	3.93E-05	4.68E-06	6.23E-06	2.06E-05	1.42E-06
481	470534.77	3819126.16	9.95E-05	4.18E-04	3.76E-05	8.29E-05	3.07E-04	2.70E-05	9.39E-06	5.38E-05	6.42E-06	8.54E-06	2.82E-05	1.94E-06
482	470538.33	3819135	1.04E-04	4.38E-04	3.94E-05	8.68E-05	3.22E-04	2.83E-05	9.84E-06	5.64E-05	6.72E-06	8.95E-06	2.95E-05	2.03E-06
483	470541.89	3819143.85	1.09E-04	4.59E-04	4.13E-05	9.10E-05	3.37E-04	2.97E-05	1.03E-05	5.91E-05	7.05E-06	9.38E-06	3.09E-05	2.13E-06
484	470545.45	3819152.69	1.14E-04	4.81E-04	4.33E-05	9.53E-05	3.53E-04	3.11E-05	1.08E-05	6.19E-05	7.38E-06	9.83E-06	3.24E-05	2.23E-06
485	470549.01	3819161.54	1.20E-04	5.03E-04	4.53E-05	9.98E-05	3.70E-04	3.25E-05	1.13E-05	6.48E-05	7.73E-06	1.03E-05	3.39E-05	2.34E-06
486	470552.57	3819170.38	1.25E-04	5.26E-04	4.74E-05	1.04E-04	3.87E-04	3.40E-05	1.18E-05	6.77E-05	8.08E-06	1.08E-05	3.55E-05	2.44E-06
487	470556.13	3819179.23	1.31E-04	5.49E-04	4.95E-05	1.09E-04	4.04E-04	3.55E-05	1.23E-05	7.07E-05	8.44E-06	1.12E-05	3.70E-05	2.55E-06
488	470559.69	3819188.07	1.36E-04	5.72E-04	5.16E-05	1.14E-04	4.21E-04	3.70E-05	1.29E-05	7.37E-05	8.79E-06	1.17E-05	3.86E-05	2.66E-06
489	470563.25	3819196.92	1.42E-04	5.96E-04	5.36E-05	1.18E-04	4.38E-04	3.85E-05	1.34E-05	7.67E-05	9.15E-06	1.22E-05	4.01E-05	2.77E-06
490	470566.81	3819205.76	1.47E-04	6.19E-04	5.57E-05	1.23E-04	4.54E-04	4.00E-05	1.39E-05	7.96E-05	9.50E-06	1.26E-05	4.17E-05	2.87E-06
491	470570.38	3819214.61	1.53E-04	6.41E-04	5.77E-05	1.27E-04	4.71E-04	4.14E-05	1.44E-05	8.25E-05	9.84E-06	1.31E-05	4.32E-05	2.98E-06
492	470573.94	3819223.45	1.58E-04	6.62E-04	5.97E-05	1.31E-04	4.87E-04	4.28E-05	1.49E-05	8.53E-05	1.02E-05	1.35E-05	4.47E-05	3.08E-06
493	470577.5	3819232.3	1.63E-04	6.83E-04	6.15E-05	1.35E-04	5.02E-04	4.42E-05	1.54E-05	8.79E-05	1.05E-05	1.40E-05	4.60E-05	3.17E-06
494	470275.74	3818938.46	1.12E-04	4.69E-04	4.22E-05	9.29E-05	3.44E-04	3.03E-05	1.05E-05	6.03E-05	7.20E-06	9.58E-06	3.16E-05	2.18E-06
495	470266.18	3818938.33	1.15E-04	4.83E-04	4.35E-05	9.59E-05	3.55E-04	3.13E-05	1.09E-05	6.22E-05	7.43E-06	9.88E-06	3.26E-05	2.25E-06
496	470256.62	3818938.19	1.19E-04	4.98E-04	4.48E-05	9.87E-05	3.66E-04	3.22E-05	1.12E-05	6.41E-05	7.64E-06	1.02E-05	3.35E-05	2.31E-06
497	470247.06	3818938.06	1.22E-04	5.11E-04	4.60E-05	1.01E-04	3.75E-04	3.30E-05	1.15E-05	6.58E-05	7.85E-06	1.04E-05	3.44E-05	2.37E-06
498	470237.49	3818937.92	1.25E-04	5.23E-04	4.71E-05	1.04E-04	3.84E-04	3.38E-05	1.18E-05	6.73E-05	8.04E-06	1.07E-05	3.53E-05	2.43E-06
499	470227.93	3818937.79	1.27E-04	5.34E-04	4.81E-05	1.06E-04	3.93E-04	3.45E-05	1.20E-05	6.88E-05	8.20E-06	1.09E-05	3.60E-05	2.48E-06
500	470218.37	3818937.65	1.29E-04	5.44E-04	4.90E-05	1.08E-04	4.00E-04	3.51E-05	1.22E-05	7.00E-05	8.35E-06	1.11E-05	3.66E-05	2.53E-06
501	470208.81	3818937.52	1.31E-04	5.52E-04	4.97E-05	1.09E-04	4.05E-04	3.57E-05	1.24E-05	7.10E-05	8.47E-06	1.13E-05	3.72E-05	2.56E-06
502	470199.24	3818937.38	1.33E-04	5.58E-04	5.03E-05	1.11E-04	4.10E-04	3.61E-05	1.25E-05	7.18E-05	8.57E-06	1.14E-05	3.76E-05	2.59E-06
503	470189.68	3818937.25	1.34E-04	5.63E-04	5.07E-05	1.12E-04	4.13E-04	3.64E-05	1.27E-05	7.24E-05	8.64E-06	1.15E-05	3.79E-05	2.61E-06
504	470161	3818936.84	1.35E-04	5.66E-04	5.09E-05	1.12E-04	4.16E-04	3.66E-05	1.27E-05	7.28E-05	8.69E-06	1.16E-05	3.81E-05	2.63E-06
505	470151.43	3818936.71	1.34E-04	5.63E-04	5.07E-05	1.12E-04	4.14E-04	3.64E-05	1.27E-05	7.25E-05	8.65E-06	1.15E-05	3.79E-05	2.62E-06
506	470141.87	3818936.57	1.33E-04	5.59E-04	5.03E-05	1.11E-04	4.10E-04	3.61E-05	1.26E-05	7.19E-05	8.58E-06	1.14E-05	3.76E-05	2.60E-06
507	470132.31	3818936.44	1.32E-04	5.53E-04	4.98E-05	1.10E-04	4.06E-04	3.57E-05	1.24E-05	7.11E-05	8.49E-06	1.13E-05	3.72E-05	2.57E-06

508	470122.75	3818936.3	1.30E-04	5.45E-04	4.91E-05	1.08E-04	4.01E-04	3.52E-05	1.23E-05	7.02E-05	8.37E-06	1.11E-05	3.68E-05	2.53E-06
509	470113.18	3818936.17	1.28E-04	5.37E-04	4.83E-05	1.06E-04	3.94E-04	3.47E-05	1.21E-05	6.91E-05	8.24E-06	1.10E-05	3.62E-05	2.49E-06
510	470319.92	3818913.22	8.41E-05	3.53E-04	3.18E-05	7.01E-05	2.60E-04	2.28E-05	7.95E-06	4.55E-05	5.43E-06	7.22E-06	2.38E-05	1.64E-06
511	470328.43	3818916.87	8.26E-05	3.47E-04	3.12E-05	6.88E-05	2.55E-04	2.24E-05	7.80E-06	4.46E-05	5.33E-06	7.09E-06	2.34E-05	1.61E-06
512	470336.94	3818920.52	8.10E-05	3.40E-04	3.06E-05	6.74E-05	2.50E-04	2.20E-05	7.65E-06	4.38E-05	5.22E-06	6.95E-06	2.29E-05	1.58E-06
513	470345.45	3818924.18	7.93E-05	3.33E-04	3.00E-05	6.60E-05	2.45E-04	2.15E-05	7.49E-06	4.29E-05	5.11E-06	6.81E-06	2.24E-05	1.55E-06
514	470353.96	3818927.83	7.76E-05	3.26E-04	2.93E-05	6.46E-05	2.39E-04	2.11E-05	7.32E-06	4.19E-05	5.00E-06	6.66E-06	2.20E-05	1.51E-06
515	470362.48	3818931.48	7.58E-05	3.18E-04	2.87E-05	6.31E-05	2.34E-04	2.06E-05	7.16E-06	4.10E-05	4.89E-06	6.51E-06	2.15E-05	1.48E-06
516	470370.99	3818935.14	7.40E-05	3.11E-04	2.80E-05	6.17E-05	2.28E-04	2.01E-05	6.99E-06	4.00E-05	4.77E-06	6.35E-06	2.10E-05	1.44E-06
517	470379.5	3818938.79	7.22E-05	3.03E-04	2.73E-05	6.02E-05	2.23E-04	1.96E-05	6.82E-06	3.91E-05	4.66E-06	6.20E-06	2.04E-05	1.41E-06
518	470388.01	3818942.44	7.06E-05	2.96E-04	2.67E-05	5.88E-05	2.18E-04	1.92E-05	6.66E-06	3.81E-05	4.55E-06	6.06E-06	2.00E-05	1.38E-06
519	470396.52	3818946.1	6.90E-05	2.90E-04	2.61E-05	5.74E-05	2.13E-04	1.87E-05	6.51E-06	3.73E-05	4.45E-06	5.92E-06	1.95E-05	1.35E-06
520	470405.03	3818949.75	6.75E-05	2.83E-04	2.55E-05	5.62E-05	2.08E-04	1.83E-05	6.37E-06	3.65E-05	4.35E-06	5.79E-06	1.91E-05	1.32E-06
521	470413.55	3818953.4	6.60E-05	2.77E-04	2.49E-05	5.49E-05	2.04E-04	1.79E-05	6.23E-06	3.57E-05	4.25E-06	5.66E-06	1.87E-05	1.29E-06
522	470422.06	3818957.06	6.44E-05	2.70E-04	2.44E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
523	470551.87	3819069.64	6.68E-05	2.80E-04	2.52E-05	5.56E-05	2.06E-04	1.81E-05	6.30E-06	3.61E-05	4.31E-06	5.73E-06	1.89E-05	1.30E-06
524	470555.33	3819078.23	6.95E-05	2.92E-04	2.63E-05	5.79E-05	2.14E-04	1.89E-05	6.56E-06	3.76E-05	4.48E-06	5.96E-06	1.97E-05	1.36E-06
525	470558.79	3819086.82	7.24E-05	3.04E-04	2.74E-05	6.03E-05	2.23E-04	1.97E-05	6.84E-06	3.91E-05	4.67E-06	6.21E-06	2.05E-05	1.41E-06
526	470562.25	3819095.41	7.55E-05	3.17E-04	2.86E-05	6.29E-05	2.33E-04	2.05E-05	7.13E-06	4.08E-05	4.87E-06	6.48E-06	2.14E-05	1.47E-06
527	470565.71	3819104.01	7.88E-05	3.31E-04	2.98E-05	6.56E-05	2.43E-04	2.14E-05	7.44E-06	4.26E-05	5.08E-06	6.76E-06	2.23E-05	1.54E-06
528	470569.17	3819112.6	8.22E-05	3.45E-04	3.11E-05	6.85E-05	2.54E-04	2.23E-05	7.76E-06	4.45E-05	5.30E-06	7.06E-06	2.33E-05	1.60E-06
529	470572.63	3819121.19	8.58E-05	3.60E-04	3.25E-05	7.15E-05	2.65E-04	2.33E-05	8.11E-06	4.64E-05	5.54E-06	7.37E-06	2.43E-05	1.67E-06
530	470576.09	3819129.78	8.96E-05	3.76E-04	3.39E-05	7.46E-05	2.76E-04	2.43E-05	8.46E-06	4.84E-05	5.78E-06	7.69E-06	2.54E-05	1.75E-06
531	470579.55	3819138.38	9.35E-05	3.93E-04	3.53E-05	7.79E-05	2.88E-04	2.54E-05	8.83E-06	5.05E-05	6.03E-06	8.02E-06	2.65E-05	1.82E-06
532	470583.01	3819146.97	9.75E-05	4.09E-04	3.69E-05	8.12E-05	3.01E-04	2.65E-05	9.20E-06	5.27E-05	6.29E-06	8.37E-06	2.76E-05	1.90E-06
533	470586.46	3819155.56	1.02E-04	4.26E-04	3.84E-05	8.46E-05	3.13E-04	2.76E-05	9.59E-06	5.49E-05	6.55E-06	8.72E-06	2.87E-05	1.98E-06
534	470589.92	3819164.15	1.06E-04	4.44E-04	4.00E-05	8.80E-05	3.26E-04	2.87E-05	9.98E-06	5.71E-05	6.82E-06	9.07E-06	2.99E-05	2.06E-06
535	470593.38	3819172.75	1.10E-04	4.61E-04	4.16E-05	9.15E-05	3.39E-04	2.98E-05	1.04E-05	5.94E-05	7.09E-06	9.43E-06	3.11E-05	2.14E-06
536	470596.84	3819181.34	1.14E-04	4.79E-04	4.31E-05	9.50E-05	3.52E-04	3.10E-05	1.08E-05	6.17E-05	7.36E-06	9.79E-06	3.23E-05	2.23E-06
537	470276.31	3818898.47	9.15E-05	3.84E-04	3.46E-05	7.62E-05	2.82E-04	2.48E-05	8.64E-06	4.95E-05	5.90E-06	7.86E-06	2.59E-05	1.79E-06
538	470266.75	3818898.33	9.42E-05	3.95E-04	3.56E-05	7.84E-05	2.91E-04	2.56E-05	8.89E-06	5.09E-05	6.07E-06	8.08E-06	2.67E-05	1.84E-06
539	470257.18	3818898.2	9.67E-05	4.06E-04	3.66E-05	8.05E-05	2.98E-04	2.62E-05	9.13E-06	5.23E-05	6.24E-06	8.30E-06	2.74E-05	1.89E-06
540	470247.62	3818898.06	9.90E-05	4.16E-04	3.75E-05	8.25E-05	3.06E-04	2.69E-05	9.35E-06	5.35E-05	6.39E-06	8.50E-06	2.80E-05	1.93E-06
541	470238.06	3818897.93	1.01E-04	4.25E-04	3.83E-05	8.43E-05	3.12E-04	2.75E-05	9.56E-06	5.47E-05	6.53E-06	8.69E-06	2.87E-05	1.98E-06
542	470228.5	3818897.79	1.03E-04	4.33E-04	3.90E-05	8.60E-05	3.18E-04	2.80E-05	9.74E-06	5.58E-05	6.66E-06	8.86E-06	2.92E-05	2.01E-06
543	470218.93	3818897.66	1.05E-04	4.41E-04	3.97E-05	8.74E-05	3.24E-04	2.85E-05	9.91E-06	5.67E-05	6.77E-06	9.01E-06	2.97E-05	2.05E-06
544	470209.37	3818897.52	1.06E-04	4.47E-04	4.02E-05	8.86E-05	3.28E-04	2.89E-05	1.00E-05	5.75E-05	6.86E-06	9.13E-06	3.01E-05	2.08E-06
545	470199.81	3818897.39	1.08E-04	4.52E-04	4.07E-05	8.96E-05	3.32E-04	2.92E-05	1.02E-05	5.82E-05	6.94E-06	9.23E-06	3.05E-05	2.10E-06
546	470190.25	3818897.25	1.08E-04	4.55E-04	4.10E-05	9.03E-05	3.35E-04	2.94E-05	1.02E-05	5.86E-05	7.00E-06	9.31E-06	3.07E-05	2.12E-06
547	470161.56	3818896.85	1.09E-04	4.59E-04	4.13E-05	9.10E-05	3.37E-04	2.97E-05	1.03E-05	5.91E-05	7.05E-06	9.38E-06	3.09E-05	2.13E-06
548	470152	3818896.71	1.09E-04	4.58E-04	4.12E-05	9.07E-05	3.36E-04	2.96E-05	1.03E-05	5.89E-05	7.03E-06	9.35E-06	3.08E-05	2.13E-06
549	470142.44	3818896.58	1.08E-04	4.55E-04	4.10E-05	9.02E-05	3.34E-04	2.94E-05	1.02E-05	5.86E-05	6.99E-06	9.30E-06	3.07E-05	2.11E-06
550	470132.87	3818896.44	1.07E-04	4.51E-04	4.06E-05	8.95E-05	3.31E-04	2.92E-05	1.01E-05	5.81E-05	6.93E-06	9.22E-06	3.04E-05	2.10E-06
551	470123.31	3818896.31	1.06E-04	4.46E-04	4.02E-05	8.85E-05	3.28E-04	2.88E-05	1.00E-05	5.74E-05	6.85E-06	9.12E-06	3.01E-05	2.07E-06
552	470113.75	3818896.17	1.05E-04	4.40E-04	3.97E-05	8.74E-05	3.24E-04	2.85E-05	9.90E-06	5.67E-05	6.76E-06	9.00E-06	2.97E-05	2.05E-06
553	470320.8	3818873.36	7.08E-05	2.97E-04	2.68E-05	5.90E-05	2.18E-04	1.92E-05	6.69E-06	3.83E-05	4.57E-06	6.08E-06	2.00E-05	1.38E-06
554	470329.4	3818877.05	6.97E-05	2.93E-04	2.63E-05	5.80E-05	2.15E-04	1.89E-05	6.58E-06	3.77E-05	4.49E-06	5.98E-06	1.97E-05	1.36E-06
555	470337.99	3818880.74	6.85E-05	2.88E-04	2.59E-05	5.70E-05	2.11E-04	1.86E-05	6.47E-06	3.70E-05	4.42E-06	5.88E-06	1.94E-05	1.34E-06
556	470346.58	3818884.42	6.72E-05	2.82E-04	2.54E-05	5.60E-05	2.08E-04	1.83E-05	6.35E-06	3.64E-05	4.34E-06	5.77E-06	1.90E-05	1.31E-06
557	470355.17	3818888.11	6.60E-05	2.77E-04	2.50E-05	5.50E-05	2.04E-04	1.79E-05	6.23E-06	3.57E-05	4.26E-06	5.67E-06	1.87E-05	1.29E-06
558	470363.77	3818891.8	6.47E-05	2.72E-04	2.45E-05	5.39E-05	2.00E-04	1.76E-05	6.11E-06	3.50E-05	4.17E-06	5.56E-06	1.83E-05	1.26E-06
559	470372.36	3818895.49	6.34E-05	2.66E-04	2.40E-05	5.28E-05	1.96E-04	1.72E-05	5.98E-06	3.43E-05	4.09E-06	5.44E-06	1.79E-05	1.24E-06
560	470380.95	3818899.18	6.20E-05	2.60E-04	2.34E-05	5.16E-05	1.91E-04	1.68E-05	5.85E-06	3.35E-05	4.00E-06	5.32E-06	1.75E-05	1.21E-06
561	470389.54	3818902.86	6.06E-05	2.54E-04	2.29E-05	5.05E-05	1.87E-04	1.64E-05	5.72E-06	3.27E-05	3.91E-06	5.20E-06	1.71E-05	1.18E-06
562	470398.14	3818906.55	5.92E-05	2.48E-04	2.24E-05	4.93E-05	1.83E-04	1.61E-05	5.59E-06	3.20E-05	3.82E-06	5.08E-06	1.67E-05	1.15E-06
563	470406.73	3818910.24	5.78E-05	2.43E-04	2.19E-05	4.81E-05	1.78E-04	1.57E-05	5.46E-06	3.12E-05	3.73E-06	4.96E-06	1.64E-05	1.13E-06
564	470415.32	3818913.93	5.65E-05	2.37E-04	2.14E-05	4.71E-05	1.74E-04	1.53E-05	5.33E-06	3.05E-05	3.64E-06	4.85E-06	1.60E-05	1.10E-06
565	470580.74	3819042.33	5.34E-05	2.24E-04	2.02E-05	4.45E-05	1.65E-04	1.45E-05	5.04E-06	2.89E-05	3.44E-06	4.58E-06	1.51E-05	1.04E-06
566	470584.23	3819051	5.54E-05	2.33E-04	2.09E-05	4.61E-05	1.71E-04	1.50E-05	5.23E-06	2.99E-05	3.57E-06	4.75E-06	1.57E-05	1.08E-06
567	470587.72	3819059.67	5.75E-05	2.42E-04	2.18E-05	4.79E-05	1.78E-04	1.56E-05	5.43E-06	3.11E-05	3.71E-06	4.94E-06	1.63E-05	1.12E-06
568	470591.21	3819068.35	5.99E-05	2.51E-04	2.26E-05	4.99E-05	1.85E-04	1.62E-05	5.65E-06	3.24E-05	3.86E-06	5.14E-06	1.69E-05	1.17E-06
569	470594.71	3819077.02	6.23E-05	2.62E-04	2.36E-05	5.19E-05	1.92E-04	1.69E-05	5.88E-06	3.37E-05	4.02E-06	5.35E-06	1.76E-05	1.22E-06
570	470598.2	3819085.7	6.48E-05	2.72E-04	2.45E-05	5.40E-05	2.00E-04	1.76E-05	6.12E-06	3.51E-05	4.18E-06	5.57E-06	1.84E-05	1.27E-06
571	470601.69	3819094.37	6.75E-05	2.84E-04	2.55E-05	5.62E-05	2.08E-04	1.83E-05	6.38E-06	3.65E-05	4.36E-06	5.80E-06	1.91E-05	1.32E-06
572	470605.18	3819103.04	7.03E-05	2.95E-04	2.66E-05	5.86E-05	2.17E-04	1.91E-05	6.64E-06	3.80E-05	4.54E-06	6.04E-06	1.99E-05	1.37E-06
573	470608.67	3819111.72	7.33E-05	3.08E-04	2.77E-05	6.10E-05	2.26E-04	1.99E-05	6.92E-06	3.96E-05	4.73E-06	6.29E-06	2.07E-05	1.43E-06
574	470612.17	3819120.39	7.63E-05	3.21E-04	2.89E-05	6.36E-05	2.36E-04	2.07E-05	7.21E-06	4.13E-05	4.92E-06	6.55E-06	2.16E-05	1.49E-06
575	470615.66	3819129.07	7.95E-05	3.34E-04	3.01E-05	6.62E-05	2.45E-04	2.16E-05	7.51E-06	4.30E-05	5.13E-06	6.82E-06	2.25E-05	1.55E-06
576	470619.15	3819137.74	8.27E-05	3.47E-04	3.13E-05	6.89E-05	2.55E-04	2.25E-05	7.81E-06	4.47E-05	5.34E-06	7.10E-06	2.34E-05	1.61E-06
577	470622.64	3819146.41	8.60E-05	3.61E-04	3.25E-05	7.16E-05	2.65E-04	2.33E-05	8.12E-06	4.65E-05	5.55E-06	7.38E-06	2.43E-05	1.68E-06
578	470626.14	3819155.09	8.93E-05	3.75E-04	3.38E-05	7.44E-05	2.76E-04	2.42E-05	8.43E-06	4.83E-05	5.76E-06	7.67E-06	2.53E-05	1.74E-06
579	470629.63	3819163.76	9.26E-05	3.89E-04	3.50E-05	7.72E-05	2.86E-04	2.51E-05	8.75E-06	5.01E-05	5.97E-06	7.95E-06	2.62E-05	1.81E-06
580	470633.12	3819172.44	9.60E-05	4.03E-04	3.63E-05	8.00E-05	2.96E-04	2.61E-05	9.06E-06	5.19E-05	6.19E-06	8.24E-06	2.72E-05	1.87E-06

581	470636.61	3819181.11	9.93E-05	4.17E-04	3.76E-05	8.27E-05	3.07E-04	2.70E-05	9.38E-06	5.37E-05	6.41E-06	8.53E-06	2.81E-05	1.94E-06
582	470640.1	3819189.78	1.03E-04	4.31E-04	3.88E-05	8.55E-05	3.17E-04	2.79E-05	9.69E-06	5.55E-05	6.62E-06	8.81E-06	2.91E-05	2.00E-06
583	470643.6	3819198.46	1.06E-04	4.45E-04	4.00E-05	8.82E-05	3.27E-04	2.87E-05	1.00E-05	5.72E-05	6.83E-06	9.09E-06	3.00E-05	2.07E-06
584	470647.09	3819207.13	1.09E-04	4.58E-04	4.12E-05	9.08E-05	3.36E-04	2.96E-05	1.03E-05	5.89E-05	7.03E-06	9.36E-06	3.09E-05	2.13E-06
585	470650.58	3819215.81	1.12E-04	4.71E-04	4.24E-05	9.34E-05	3.46E-04	3.04E-05	1.06E-05	6.06E-05	7.23E-06	9.62E-06	3.17E-05	2.19E-06
586	470654.07	3819224.48	1.15E-04	4.83E-04	4.35E-05	9.58E-05	3.55E-04	3.12E-05	1.09E-05	6.22E-05	7.42E-06	9.87E-06	3.26E-05	2.24E-06
587	470276.87	3818858.47	7.68E-05	3.22E-04	2.90E-05	6.39E-05	2.37E-04	2.08E-05	7.25E-06	4.15E-05	4.95E-06	6.59E-06	2.17E-05	1.50E-06
588	470267.31	3818858.34	7.88E-05	3.31E-04	2.98E-05	6.56E-05	2.43E-04	2.14E-05	7.44E-06	4.26E-05	5.08E-06	6.76E-06	2.23E-05	1.54E-06
589	470257.75	3818858.2	8.07E-05	3.39E-04	3.05E-05	6.72E-05	2.49E-04	2.19E-05	7.62E-06	4.36E-05	5.21E-06	6.93E-06	2.28E-05	1.57E-06
590	470248.19	3818858.07	8.25E-05	3.47E-04	3.12E-05	6.87E-05	2.55E-04	2.24E-05	7.79E-06	4.46E-05	5.32E-06	7.08E-06	2.34E-05	1.61E-06
591	470238.62	3818857.93	8.42E-05	3.54E-04	3.18E-05	7.01E-05	2.60E-04	2.29E-05	7.95E-06	4.55E-05	5.43E-06	7.23E-06	2.38E-05	1.64E-06
592	470229.06	3818857.8	8.57E-05	3.60E-04	3.24E-05	7.14E-05	2.65E-04	2.33E-05	8.10E-06	4.63E-05	5.53E-06	7.36E-06	2.43E-05	1.67E-06
593	470219.5	3818857.66	8.71E-05	3.66E-04	3.29E-05	7.25E-05	2.69E-04	2.36E-05	8.22E-06	4.71E-05	5.62E-06	7.48E-06	2.46E-05	1.70E-06
594	470209.94	3818857.53	8.82E-05	3.71E-04	3.34E-05	7.35E-05	2.72E-04	2.40E-05	8.33E-06	4.77E-05	5.69E-06	7.57E-06	2.50E-05	1.72E-06
595	470200.37	3818857.39	8.92E-05	3.75E-04	3.37E-05	7.43E-05	2.75E-04	2.42E-05	8.42E-06	4.82E-05	5.75E-06	7.66E-06	2.52E-05	1.74E-06
596	470190.81	3818857.26	8.99E-05	3.78E-04	3.40E-05	7.49E-05	2.77E-04	2.44E-05	8.49E-06	4.86E-05	5.80E-06	7.72E-06	2.55E-05	1.75E-06
597	470162.13	3818856.85	9.08E-05	3.81E-04	3.43E-05	7.56E-05	2.80E-04	2.46E-05	8.57E-06	4.91E-05	5.86E-06	7.79E-06	2.57E-05	1.77E-06
598	470152.56	3818856.72	9.06E-05	3.81E-04	3.43E-05	7.55E-05	2.80E-04	2.46E-05	8.56E-06	4.90E-05	5.84E-06	7.78E-06	2.56E-05	1.77E-06
599	470143	3818856.58	9.02E-05	3.79E-04	3.41E-05	7.52E-05	2.78E-04	2.45E-05	8.52E-06	4.88E-05	5.82E-06	7.75E-06	2.55E-05	1.76E-06
600	470133.44	3818856.45	8.96E-05	3.76E-04	3.39E-05	7.47E-05	2.77E-04	2.43E-05	8.46E-06	4.85E-05	5.78E-06	7.69E-06	2.54E-05	1.75E-06
601	470123.88	3818856.31	8.88E-05	3.73E-04	3.36E-05	7.40E-05	2.74E-04	2.41E-05	8.39E-06	4.80E-05	5.73E-06	7.63E-06	2.51E-05	1.73E-06
602	470114.31	3818856.18	8.79E-05	3.69E-04	3.32E-05	7.32E-05	2.71E-04	2.39E-05	8.30E-06	4.75E-05	5.67E-06	7.54E-06	2.49E-05	1.71E-06
603	470312.98	3818829.76	6.14E-05	2.58E-04	2.32E-05	5.11E-05	1.89E-04	1.67E-05	5.80E-06	3.32E-05	3.96E-06	5.27E-06	1.74E-05	1.20E-06
604	470321.64	3818833.48	6.05E-05	2.54E-04	2.29E-05	5.04E-05	1.87E-04	1.64E-05	5.72E-06	3.27E-05	3.90E-06	5.20E-06	1.71E-05	1.18E-06
605	470330.29	3818837.19	5.96E-05	2.50E-04	2.25E-05	4.96E-05	1.84E-04	1.62E-05	5.63E-06	3.22E-05	3.84E-06	5.12E-06	1.69E-05	1.16E-06
606	470338.95	3818840.91	5.86E-05	2.46E-04	2.22E-05	4.88E-05	1.81E-04	1.59E-05	5.54E-06	3.17E-05	3.78E-06	5.03E-06	1.66E-05	1.14E-06
607	470347.61	3818844.63	5.76E-05	2.42E-04	2.18E-05	4.80E-05	1.78E-04	1.56E-05	5.44E-06	3.11E-05	3.72E-06	4.95E-06	1.63E-05	1.12E-06
608	470356.27	3818848.34	5.67E-05	2.38E-04	2.14E-05	4.72E-05	1.75E-04	1.54E-05	5.35E-06	3.06E-05	3.65E-06	4.86E-06	1.60E-05	1.11E-06
609	470364.93	3818852.06	5.57E-05	2.34E-04	2.11E-05	4.64E-05	1.72E-04	1.51E-05	5.26E-06	3.01E-05	3.59E-06	4.78E-06	1.58E-05	1.09E-06
610	470373.59	3818855.78	5.47E-05	2.30E-04	2.07E-05	4.56E-05	1.69E-04	1.49E-05	5.17E-06	2.96E-05	3.53E-06	4.70E-06	1.55E-05	1.07E-06
611	470382.25	3818859.49	5.37E-05	2.26E-04	2.03E-05	4.47E-05	1.66E-04	1.46E-05	5.07E-06	2.90E-05	3.46E-06	4.61E-06	1.52E-05	1.05E-06
612	470390.91	3818863.21	5.26E-05	2.21E-04	1.99E-05	4.38E-05	1.62E-04	1.43E-05	4.97E-06	2.84E-05	3.39E-06	4.52E-06	1.49E-05	1.03E-06
613	470399.57	3818866.93	5.15E-05	2.16E-04	1.95E-05	4.29E-05	1.59E-04	1.40E-05	4.86E-06	2.78E-05	3.32E-06	4.42E-06	1.46E-05	1.00E-06
614	470609.56	3819014.9	4.36E-05	1.83E-04	1.65E-05	3.63E-05	1.34E-04	1.18E-05	4.11E-06	2.35E-05	2.81E-06	3.74E-06	1.23E-05	8.50E-07
615	470613.08	3819023.64	4.51E-05	1.89E-04	1.70E-05	3.75E-05	1.39E-04	1.22E-05	4.26E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.79E-07
616	470616.6	3819032.38	4.67E-05	1.96E-04	1.76E-05	3.89E-05	1.44E-04	1.27E-05	4.41E-06	2.52E-05	3.01E-06	4.01E-06	1.32E-05	9.10E-07
617	470620.12	3819041.13	4.84E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.57E-06	2.61E-05	3.12E-06	4.15E-06	1.37E-05	9.44E-07
618	470623.63	3819049.87	5.02E-05	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.74E-06	2.71E-05	3.24E-06	4.31E-06	1.42E-05	9.80E-07
619	470627.15	3819058.61	5.22E-05	2.19E-04	1.97E-05	4.34E-05	1.61E-04	1.42E-05	4.93E-06	2.82E-05	3.36E-06	4.48E-06	1.48E-05	1.02E-06
620	470630.67	3819067.35	5.42E-05	2.28E-04	2.05E-05	4.52E-05	1.67E-04	1.47E-05	5.12E-06	2.93E-05	3.50E-06	4.65E-06	1.53E-05	1.06E-06
621	470634.19	3819076.09	5.64E-05	2.37E-04	2.13E-05	4.70E-05	1.74E-04	1.53E-05	5.32E-06	3.05E-05	3.64E-06	4.84E-06	1.60E-05	1.10E-06
622	470637.71	3819084.83	5.86E-05	2.46E-04	2.22E-05	4.88E-05	1.81E-04	1.59E-05	5.53E-06	3.17E-05	3.78E-06	5.03E-06	1.66E-05	1.14E-06
623	470641.23	3819093.57	6.09E-05	2.56E-04	2.30E-05	5.07E-05	1.88E-04	1.65E-05	5.75E-06	3.29E-05	3.93E-06	5.23E-06	1.72E-05	1.19E-06
624	470644.75	3819102.31	6.33E-05	2.66E-04	2.40E-05	5.28E-05	1.95E-04	1.72E-05	5.98E-06	3.42E-05	4.08E-06	5.44E-06	1.79E-05	1.24E-06
625	470648.27	3819111.05	6.58E-05	2.76E-04	2.49E-05	5.48E-05	2.03E-04	1.79E-05	6.22E-06	3.56E-05	4.25E-06	5.65E-06	1.86E-05	1.28E-06
626	470651.79	3819119.8	6.84E-05	2.87E-04	2.59E-05	5.70E-05	2.11E-04	1.86E-05	6.46E-06	3.70E-05	4.41E-06	5.87E-06	1.94E-05	1.33E-06
627	470655.31	3819128.54	7.10E-05	2.98E-04	2.69E-05	5.92E-05	2.19E-04	1.93E-05	6.71E-06	3.84E-05	4.58E-06	6.10E-06	2.01E-05	1.39E-06
628	470658.83	3819137.28	7.37E-05	3.10E-04	2.79E-05	6.14E-05	2.27E-04	2.00E-05	6.96E-06	3.98E-05	4.75E-06	6.33E-06	2.09E-05	1.44E-06
629	470662.34	3819146.02	7.64E-05	3.21E-04	2.89E-05	6.37E-05	2.36E-04	2.07E-05	7.22E-06	4.13E-05	4.93E-06	6.56E-06	2.16E-05	1.49E-06
630	470665.86	3819154.76	7.91E-05	3.32E-04	2.99E-05	6.59E-05	2.44E-04	2.15E-05	7.47E-06	4.28E-05	5.10E-06	6.79E-06	2.24E-05	1.54E-06
631	470669.38	3819163.5	8.19E-05	3.44E-04	3.10E-05	6.82E-05	2.53E-04	2.22E-05	7.73E-06	4.43E-05	5.28E-06	7.03E-06	2.32E-05	1.60E-06
632	470672.9	3819172.24	8.46E-05	3.55E-04	3.20E-05	7.05E-05	2.61E-04	2.30E-05	7.99E-06	4.57E-05	5.46E-06	7.26E-06	2.39E-05	1.65E-06
633	470676.42	3819180.98	8.73E-05	3.67E-04	3.30E-05	7.27E-05	2.69E-04	2.37E-05	8.24E-06	4.72E-05	5.63E-06	7.49E-06	2.47E-05	1.70E-06
634	470679.94	3819189.72	9.00E-05	3.78E-04	3.40E-05	7.49E-05	2.78E-04	2.44E-05	8.49E-06	4.86E-05	5.80E-06	7.72E-06	2.55E-05	1.76E-06
635	470683.46	3819198.47	9.26E-05	3.89E-04	3.50E-05	7.71E-05	2.86E-04	2.51E-05	8.74E-06	5.00E-05	5.97E-06	7.95E-06	2.62E-05	1.81E-06
636	470686.98	3819207.21	9.50E-05	3.99E-04	3.59E-05	7.92E-05	2.93E-04	2.58E-05	8.98E-06	5.14E-05	6.13E-06	8.16E-06	2.69E-05	1.85E-06
637	470690.5	3819215.95	9.75E-05	4.09E-04	3.69E-05	8.12E-05	3.01E-04	2.65E-05	9.20E-06	5.27E-05	6.29E-06	8.37E-06	2.76E-05	1.90E-06
638	470694.02	3819224.69	9.97E-05	4.19E-04	3.77E-05	8.31E-05	3.08E-04	2.71E-05	9.42E-06	5.39E-05	6.43E-06	8.56E-06	2.82E-05	1.95E-06
639	470277.44	3818818.48	6.53E-05	2.74E-04	2.47E-05	5.44E-05	2.01E-04	1.77E-05	6.17E-06	3.53E-05	4.21E-06	5.61E-06	1.85E-05	1.27E-06
640	470267.87	3818818.34	6.69E-05	2.81E-04	2.53E-05	5.57E-05	2.06E-04	1.82E-05	6.32E-06	3.62E-05	4.31E-06	5.74E-06	1.89E-05	1.31E-06
641	470258.31	3818818.21	6.84E-05	2.87E-04	2.59E-05	5.70E-05	2.11E-04	1.86E-05	6.46E-06	3.70E-05	4.41E-06	5.87E-06	1.94E-05	1.33E-06
642	470248.75	3818818.07	6.97E-05	2.93E-04	2.64E-05	5.81E-05	2.15E-04	1.89E-05	6.59E-06	3.77E-05	4.50E-06	5.99E-06	1.97E-05	1.36E-06
643	470239.19	3818817.94	7.10E-05	2.98E-04	2.68E-05	5.91E-05	2.19E-04	1.93E-05	6.70E-06	3.84E-05	4.58E-06	6.09E-06	2.01E-05	1.39E-06
644	470229.63	3818817.8	7.21E-05	3.03E-04	2.73E-05	6.01E-05	2.23E-04	1.96E-05	6.81E-06	3.90E-05	4.65E-06	6.19E-06	2.04E-05	1.41E-06
645	470220.06	3818817.67	7.32E-05	3.07E-04	2.77E-05	6.10E-05	2.26E-04	1.99E-05	6.91E-06	3.96E-05	4.72E-06	6.28E-06	2.07E-05	1.43E-06
646	470210.5	3818817.53	7.41E-05	3.11E-04	2.80E-05	6.17E-05	2.29E-04	2.01E-05	7.00E-06	4.01E-05	4.78E-06	6.36E-06	2.10E-05	1.45E-06
647	470200.94	3818817.4	7.49E-05	3.15E-04	2.83E-05	6.24E-05	2.31E-04	2.03E-05	7.07E-06	4.05E-05	4.83E-06	6.43E-06	2.12E-05	1.46E-06
648	470191.38	3818817.26	7.56E-05	3.17E-04	2.86E-05	6.30E-05	2.33E-04	2.05E-05	7.14E-06	4.09E-05	4.88E-06	6.49E-06	2.14E-05	1.47E-06
649	470162.69	3818816.86	7.66E-05	3.22E-04	2.90E-05	6.38E-05	2.36E-04	2.08E-05	7.23E-06	4.14E-05	4.94E-06	6.57E-06	2.17E-05	1.49E-06
650	470153.13	3818816.72	7.65E-05	3.21E-04	2.89E-05	6.37E-05	2.36E-04	2.08E-05	7.22E-06	4.14E-05	4.93E-06	6.57E-06	2.17E-05	1.49E-06
651	470143.57	3818816.59	7.63E-05	3.20E-04	2.88E-05	6.35E-05	2.35E-04	2.07E-05	7.20E-06	4.12E-05	4.92E-06	6.55E-06	2.16E-05	1.49E-06
652	470134	3818816.45	7.59E-05	3.19E-04	2.87E-05	6.32E-05	2.34E-04	2.06E-05	7.16E-06	4.10E-05	4.89E-06	6.51E-06	2.15E-05	1.48E-06
653	470124.44	3818816.32	7.53E-05	3.16E-04	2.85E-05	6.27E-05	2.32E-04	2.04E-05	7.11E-06	4.07E-05	4.86E-06	6.47E-06	2.13E-05	1.47E-06

654	470114.88	3818816.18	7.46E-05	3.13E-04	2.82E-05	6.22E-05	2.30E-04	2.03E-05	7.05E-06	4.03E-05	4.81E-06	6.41E-06	2.11E-05	1.46E-06
655	470313.71	3818789.84	5.31E-05	2.23E-04	2.01E-05	4.42E-05	1.64E-04	1.44E-05	5.01E-06	2.87E-05	3.42E-06	4.56E-06	1.50E-05	1.04E-06
656	470322.42	3818793.58	5.24E-05	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.95E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
657	470331.14	3818797.32	5.16E-05	2.17E-04	1.95E-05	4.30E-05	1.59E-04	1.40E-05	4.88E-06	2.79E-05	3.33E-06	4.43E-06	1.46E-05	1.01E-06
658	470339.85	3818801.06	5.09E-05	2.14E-04	1.92E-05	4.24E-05	1.57E-04	1.38E-05	4.80E-06	2.75E-05	3.28E-06	4.37E-06	1.44E-05	9.93E-07
659	470348.57	3818804.8	5.01E-05	2.10E-04	1.89E-05	4.17E-05	1.54E-04	1.36E-05	4.73E-06	2.71E-05	3.23E-06	4.30E-06	1.42E-05	9.77E-07
660	470357.28	3818808.54	4.93E-05	2.07E-04	1.87E-05	4.11E-05	1.52E-04	1.34E-05	4.66E-06	2.67E-05	3.18E-06	4.23E-06	1.40E-05	9.62E-07
661	470366	3818812.28	4.86E-05	2.04E-04	1.84E-05	4.04E-05	1.50E-04	1.32E-05	4.59E-06	2.63E-05	3.13E-06	4.17E-06	1.37E-05	9.47E-07
662	470374.71	3818816.02	4.78E-05	2.01E-04	1.81E-05	3.98E-05	1.47E-04	1.30E-05	4.51E-06	2.58E-05	3.08E-06	4.10E-06	1.35E-05	9.32E-07
663	470383.43	3818819.76	4.70E-05	1.97E-04	1.78E-05	3.91E-05	1.45E-04	1.27E-05	4.43E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.16E-07
664	470392.14	3818823.5	4.61E-05	1.93E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.95E-06	1.30E-05	8.99E-07
665	470470.57	3818857.17	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.62E-06	2.07E-05	2.47E-06	3.29E-06	1.08E-05	7.47E-07
666	470479.29	3818860.91	3.75E-05	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.54E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.32E-07
667	470488	3818864.65	3.68E-05	1.54E-04	1.39E-05	3.06E-05	1.13E-04	9.98E-06	3.47E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.17E-07
668	470638.34	3818987.39	3.61E-05	1.52E-04	1.37E-05	3.01E-05	1.11E-04	9.80E-06	3.41E-06	1.95E-05	2.33E-06	3.10E-06	1.02E-05	7.05E-07
669	470641.88	3818996.19	3.73E-05	1.57E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.52E-06	2.01E-05	2.40E-06	3.20E-06	1.06E-05	7.27E-07
670	470645.43	3819004.99	3.85E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.08E-05	2.48E-06	3.31E-06	1.09E-05	7.51E-07
671	470648.97	3819013.78	3.98E-05	1.67E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.77E-07
672	470652.51	3819022.58	4.12E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.23E-05	2.66E-06	3.54E-06	1.17E-05	8.05E-07
673	470656.05	3819031.38	4.27E-05	1.79E-04	1.62E-05	3.56E-05	1.32E-04	1.16E-05	4.03E-06	2.31E-05	2.76E-06	3.67E-06	1.21E-05	8.34E-07
674	470659.59	3819040.18	4.43E-05	1.86E-04	1.68E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.39E-05	2.86E-06	3.80E-06	1.25E-05	8.64E-07
675	470663.13	3819048.97	4.60E-05	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.34E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.97E-07
676	470666.68	3819057.77	4.77E-05	2.00E-04	1.80E-05	3.97E-05	1.47E-04	1.29E-05	4.50E-06	2.58E-05	3.08E-06	4.09E-06	1.35E-05	9.30E-07
677	470670.22	3819066.57	4.95E-05	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.67E-05	3.19E-06	4.25E-06	1.40E-05	9.65E-07
678	470673.76	3819075.36	5.14E-05	2.16E-04	1.94E-05	4.28E-05	1.58E-04	1.39E-05	4.85E-06	2.78E-05	3.31E-06	4.41E-06	1.45E-05	1.00E-06
679	470677.3	3819084.16	5.33E-05	2.24E-04	2.02E-05	4.44E-05	1.64E-04	1.45E-05	5.03E-06	2.88E-05	3.44E-06	4.58E-06	1.51E-05	1.04E-06
680	470680.84	3819092.96	5.53E-05	2.32E-04	2.09E-05	4.61E-05	1.71E-04	1.50E-05	5.22E-06	2.99E-05	3.57E-06	4.75E-06	1.57E-05	1.08E-06
681	470684.39	3819101.76	5.74E-05	2.41E-04	2.17E-05	4.78E-05	1.77E-04	1.56E-05	5.42E-06	3.10E-05	3.70E-06	4.93E-06	1.63E-05	1.12E-06
682	470687.93	3819110.55	5.96E-05	2.50E-04	2.25E-05	4.96E-05	1.84E-04	1.62E-05	5.62E-06	3.22E-05	3.84E-06	5.11E-06	1.69E-05	1.16E-06
683	470691.47	3819119.35	6.17E-05	2.59E-04	2.33E-05	5.14E-05	1.90E-04	1.68E-05	5.83E-06	3.34E-05	3.98E-06	5.30E-06	1.75E-05	1.20E-06
684	470695.01	3819128.15	6.39E-05	2.69E-04	2.42E-05	5.33E-05	1.97E-04	1.74E-05	6.04E-06	3.46E-05	4.12E-06	5.49E-06	1.81E-05	1.25E-06
685	470698.55	3819136.95	6.62E-05	2.78E-04	2.50E-05	5.51E-05	2.04E-04	1.80E-05	6.25E-06	3.58E-05	4.27E-06	5.68E-06	1.87E-05	1.29E-06
686	470702.09	3819145.74	6.84E-05	2.87E-04	2.59E-05	5.70E-05	2.11E-04	1.86E-05	6.46E-06	3.70E-05	4.41E-06	5.87E-06	1.94E-05	1.33E-06
687	470705.64	3819154.54	7.07E-05	2.97E-04	2.67E-05	5.89E-05	2.18E-04	1.92E-05	6.67E-06	3.82E-05	4.56E-06	6.07E-06	2.00E-05	1.38E-06
688	470709.18	3819163.34	7.29E-05	3.06E-04	2.76E-05	6.07E-05	2.25E-04	1.98E-05	6.88E-06	3.94E-05	4.70E-06	6.26E-06	2.06E-05	1.42E-06
689	470712.72	3819172.14	7.51E-05	3.15E-04	2.84E-05	6.26E-05	2.32E-04	2.04E-05	7.09E-06	4.06E-05	4.85E-06	6.45E-06	2.13E-05	1.47E-06
690	470716.26	3819180.93	7.73E-05	3.25E-04	2.92E-05	6.44E-05	2.39E-04	2.10E-05	7.30E-06	4.18E-05	4.99E-06	6.64E-06	2.19E-05	1.51E-06
691	470719.8	3819189.73	7.95E-05	3.34E-04	3.01E-05	6.62E-05	2.45E-04	2.16E-05	7.51E-06	4.30E-05	5.13E-06	6.82E-06	2.25E-05	1.55E-06
692	470723.34	3819198.53	8.16E-05	3.43E-04	3.09E-05	6.80E-05	2.52E-04	2.21E-05	7.70E-06	4.41E-05	5.26E-06	7.00E-06	2.31E-05	1.59E-06
693	470726.89	3819207.32	8.36E-05	3.51E-04	3.16E-05	6.96E-05	2.58E-04	2.27E-05	7.89E-06	4.52E-05	5.39E-06	7.18E-06	2.37E-05	1.63E-06
694	470730.43	3819216.12	8.55E-05	3.59E-04	3.23E-05	7.12E-05	2.64E-04	2.32E-05	8.07E-06	4.62E-05	5.52E-06	7.34E-06	2.42E-05	1.67E-06
695	470733.97	3819224.92	8.73E-05	3.67E-04	3.30E-05	7.27E-05	2.70E-04	2.37E-05	8.25E-06	4.72E-05	5.63E-06	7.50E-06	2.47E-05	1.70E-06
696	470268.44	3818778.35	5.75E-05	2.41E-04	2.17E-05	4.79E-05	1.77E-04	1.56E-05	5.43E-06	3.11E-05	3.71E-06	4.93E-06	1.63E-05	1.12E-06
697	470258.88	3818778.21	5.87E-05	2.46E-04	2.22E-05	4.89E-05	1.81E-04	1.59E-05	5.54E-06	3.17E-05	3.78E-06	5.04E-06	1.66E-05	1.14E-06
698	470249.31	3818778.08	5.97E-05	2.51E-04	2.26E-05	4.97E-05	1.84E-04	1.62E-05	5.64E-06	3.23E-05	3.85E-06	5.13E-06	1.69E-05	1.17E-06
699	470239.75	3818777.94	6.07E-05	2.55E-04	2.29E-05	5.05E-05	1.87E-04	1.65E-05	5.73E-06	3.28E-05	3.91E-06	5.21E-06	1.72E-05	1.18E-06
700	470230.19	3818777.81	6.16E-05	2.59E-04	2.33E-05	5.13E-05	1.90E-04	1.67E-05	5.81E-06	3.33E-05	3.97E-06	5.28E-06	1.74E-05	1.20E-06
701	470220.63	3818777.67	6.24E-05	2.62E-04	2.36E-05	5.20E-05	1.93E-04	1.69E-05	5.90E-06	3.38E-05	4.03E-06	5.36E-06	1.77E-05	1.22E-06
702	470211.07	3818777.54	6.32E-05	2.65E-04	2.39E-05	5.26E-05	1.95E-04	1.72E-05	5.97E-06	3.42E-05	4.08E-06	5.43E-06	1.79E-05	1.23E-06
703	470201.5	3818777.4	6.38E-05	2.68E-04	2.41E-05	5.32E-05	1.97E-04	1.73E-05	6.03E-06	3.45E-05	4.12E-06	5.48E-06	1.81E-05	1.25E-06
704	470191.94	3818777.27	6.44E-05	2.70E-04	2.43E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
705	470163.25	3818776.86	6.52E-05	2.74E-04	2.47E-05	5.43E-05	2.01E-04	1.77E-05	6.16E-06	3.53E-05	4.21E-06	5.60E-06	1.85E-05	1.27E-06
706	470153.69	3818776.73	6.53E-05	2.74E-04	2.47E-05	5.44E-05	2.01E-04	1.77E-05	6.17E-06	3.53E-05	4.21E-06	5.60E-06	1.85E-05	1.27E-06
707	470144.13	3818776.59	6.52E-05	2.74E-04	2.47E-05	5.43E-05	2.01E-04	1.77E-05	6.16E-06	3.53E-05	4.21E-06	5.60E-06	1.85E-05	1.27E-06
708	470134.57	3818776.46	6.50E-05	2.73E-04	2.46E-05	5.41E-05	2.00E-04	1.76E-05	6.13E-06	3.51E-05	4.19E-06	5.58E-06	1.84E-05	1.27E-06
709	470125.01	3818776.32	6.45E-05	2.71E-04	2.44E-05	5.37E-05	1.99E-04	1.75E-05	6.09E-06	3.49E-05	4.16E-06	5.54E-06	1.83E-05	1.26E-06
710	470115.44	3818776.19	6.39E-05	2.68E-04	2.42E-05	5.32E-05	1.97E-04	1.73E-05	6.03E-06	3.45E-05	4.12E-06	5.49E-06	1.81E-05	1.25E-06
711	470296.89	3818742.38	4.73E-05	1.99E-04	1.79E-05	3.94E-05	1.46E-04	1.28E-05	4.47E-06	2.56E-05	3.05E-06	4.06E-06	1.34E-05	9.24E-07
712	470305.65	3818746.14	4.68E-05	1.97E-04	1.77E-05	3.90E-05	1.45E-04	1.27E-05	4.42E-06	2.53E-05	3.02E-06	4.02E-06	1.33E-05	9.14E-07
713	470314.41	3818749.9	4.63E-05	1.94E-04	1.75E-05	3.86E-05	1.43E-04	1.26E-05	4.37E-06	2.50E-05	2.99E-06	3.98E-06	1.31E-05	9.04E-07
714	470323.18	3818753.66	4.57E-05	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.32E-06	2.47E-05	2.95E-06	3.93E-06	1.29E-05	8.93E-07
715	470331.94	3818757.42	4.51E-05	1.90E-04	1.71E-05	3.76E-05	1.39E-04	1.23E-05	4.26E-06	2.44E-05	2.91E-06	3.88E-06	1.28E-05	8.81E-07
716	470340.7	3818761.18	4.45E-05	1.87E-04	1.68E-05	3.71E-05	1.37E-04	1.21E-05	4.20E-06	2.41E-05	2.87E-06	3.82E-06	1.26E-05	8.69E-07
717	470349.46	3818764.95	4.39E-05	1.84E-04	1.66E-05	3.65E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.77E-06	1.24E-05	8.56E-07
718	470358.23	3818768.71	4.33E-05	1.82E-04	1.64E-05	3.60E-05	1.34E-04	1.17E-05	4.09E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.44E-07
719	470366.99	3818772.47	4.27E-05	1.79E-04	1.61E-05	3.55E-05	1.32E-04	1.16E-05	4.03E-06	2.31E-05	2.75E-06	3.66E-06	1.21E-05	8.32E-07
720	470375.75	3818776.23	4.20E-05	1.77E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.97E-06	2.27E-05	2.71E-06	3.61E-06	1.19E-05	8.20E-07
721	470384.51	3818779.99	4.14E-05	1.74E-04	1.56E-05	3.45E-05	1.28E-04	1.12E-05	3.91E-06	2.24E-05	2.67E-06	3.55E-06	1.17E-05	8.07E-07
722	470393.27	3818783.75	4.06E-05	1.71E-04	1.54E-05	3.38E-05	1.25E-04	1.10E-05	3.84E-06	2.20E-05	2.62E-06	3.49E-06	1.15E-05	7.93E-07
723	470472.13	3818817.6	3.42E-05	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.28E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.68E-06	6.67E-07
724	470480.89	3818821.36	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.88E-06	9.48E-06	6.54E-07
725	470489.66	3818825.12	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.91E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.41E-07
726	470498.42	3818828.88	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.94E-05	8.74E-06	3.04E-06	1.74E-05	2.08E-06	2.76E-06	9.12E-06	6.28E-07

727	470603.56	3818874.01	2.62E-05	1.10E-04	9.89E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.24E-06	7.40E-06	5.10E-07
728	470612.33	3818877.77	2.58E-05	1.08E-04	9.77E-06	2.15E-05	7.97E-05	7.01E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.31E-06	5.04E-07
729	470621.09	3818881.53	2.55E-05	1.07E-04	9.66E-06	2.13E-05	7.88E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.23E-06	4.98E-07
730	470629.85	3818885.29	2.53E-05	1.06E-04	9.56E-06	2.10E-05	7.80E-05	6.86E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.15E-06	4.93E-07
731	470642.17	3818897.9	2.55E-05	1.07E-04	9.66E-06	2.13E-05	7.88E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.23E-06	4.98E-07
732	470645.73	3818906.74	2.61E-05	1.10E-04	9.86E-06	2.17E-05	8.05E-05	7.08E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.38E-06	5.09E-07
733	470649.29	3818915.59	2.67E-05	1.12E-04	1.01E-05	2.22E-05	8.23E-05	7.24E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.55E-06	5.20E-07
734	470652.86	3818924.43	2.73E-05	1.15E-04	1.03E-05	2.27E-05	8.42E-05	7.41E-06	2.58E-06	1.48E-05	1.76E-06	2.34E-06	7.73E-06	5.33E-07
735	470656.42	3818933.28	2.80E-05	1.18E-04	1.06E-05	2.33E-05	8.63E-05	7.59E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.92E-06	5.46E-07
736	470667.1	3818959.81	3.04E-05	1.27E-04	1.15E-05	2.53E-05	9.37E-05	8.24E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.59E-06	5.92E-07
737	470670.66	3818968.66	3.13E-05	1.31E-04	1.18E-05	2.60E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.68E-06	8.85E-06	6.10E-07
738	470674.22	3818977.5	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.95E-05	8.75E-06	3.04E-06	1.74E-05	2.08E-06	2.77E-06	9.12E-06	6.29E-07
739	470677.78	3818986.35	3.33E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.03E-06	3.14E-06	1.80E-05	2.15E-06	2.86E-06	9.41E-06	6.49E-07
740	470681.34	3818995.19	3.44E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.33E-06	3.24E-06	1.86E-05	2.22E-06	2.95E-06	9.72E-06	6.70E-07
741	470684.9	3819004.04	3.55E-05	1.49E-04	1.34E-05	2.96E-05	1.10E-04	9.64E-06	3.35E-06	1.92E-05	2.29E-06	3.05E-06	1.01E-05	6.93E-07
742	470688.47	3819012.88	3.67E-05	1.54E-04	1.39E-05	3.06E-05	1.13E-04	9.97E-06	3.47E-06	1.99E-05	2.37E-06	3.15E-06	1.04E-05	7.17E-07
743	470692.03	3819021.73	3.80E-05	1.60E-04	1.44E-05	3.17E-05	1.17E-04	1.03E-05	3.59E-06	2.06E-05	2.45E-06	3.26E-06	1.08E-05	7.42E-07
744	470695.59	3819030.57	3.94E-05	1.65E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.69E-07
745	470699.15	3819039.42	4.08E-05	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.21E-05	2.63E-06	3.50E-06	1.16E-05	7.96E-07
746	470702.71	3819048.26	4.23E-05	1.78E-04	1.60E-05	3.52E-05	1.31E-04	1.15E-05	3.99E-06	2.29E-05	2.73E-06	3.63E-06	1.20E-05	8.25E-07
747	470706.27	3819057.11	4.38E-05	1.84E-04	1.66E-05	3.65E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.76E-06	1.24E-05	8.55E-07
748	470709.83	3819065.95	4.54E-05	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.23E-05	4.29E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.87E-07
749	470713.39	3819074.8	4.71E-05	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.04E-06	1.33E-05	9.19E-07
750	470716.95	3819083.64	4.88E-05	2.05E-04	1.85E-05	4.07E-05	1.51E-04	1.32E-05	4.61E-06	2.64E-05	3.15E-06	4.19E-06	1.38E-05	9.52E-07
751	470720.51	3819092.49	5.06E-05	2.12E-04	1.91E-05	4.21E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.26E-06	4.34E-06	1.43E-05	9.87E-07
752	470724.08	3819101.33	5.23E-05	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.94E-06	2.83E-05	3.38E-06	4.49E-06	1.48E-05	1.02E-06
753	470727.64	3819110.18	5.42E-05	2.27E-04	2.05E-05	4.51E-05	1.67E-04	1.47E-05	5.11E-06	2.93E-05	3.49E-06	4.65E-06	1.53E-05	1.06E-06
754	470731.2	3819119.02	5.60E-05	2.35E-04	2.12E-05	4.66E-05	1.73E-04	1.52E-05	5.29E-06	3.03E-05	3.61E-06	4.81E-06	1.58E-05	1.09E-06
755	470734.76	3819127.87	5.78E-05	2.43E-04	2.19E-05	4.82E-05	1.78E-04	1.57E-05	5.46E-06	3.13E-05	3.73E-06	4.96E-06	1.64E-05	1.13E-06
756	470738.32	3819136.72	5.97E-05	2.51E-04	2.26E-05	4.97E-05	1.84E-04	1.62E-05	5.64E-06	3.23E-05	3.85E-06	5.12E-06	1.69E-05	1.16E-06
757	470741.88	3819145.56	6.16E-05	2.59E-04	2.33E-05	5.13E-05	1.90E-04	1.67E-05	5.81E-06	3.33E-05	3.97E-06	5.29E-06	1.74E-05	1.20E-06
758	470745.44	3819154.41	6.35E-05	2.66E-04	2.40E-05	5.29E-05	1.96E-04	1.72E-05	5.99E-06	3.43E-05	4.09E-06	5.45E-06	1.80E-05	1.24E-06
759	470749	3819163.25	6.53E-05	2.74E-04	2.47E-05	5.44E-05	2.02E-04	1.77E-05	6.17E-06	3.53E-05	4.21E-06	5.61E-06	1.85E-05	1.27E-06
760	470752.56	3819172.1	6.71E-05	2.82E-04	2.54E-05	5.59E-05	2.07E-04	1.82E-05	6.34E-06	3.63E-05	4.33E-06	5.76E-06	1.90E-05	1.31E-06
761	470756.12	3819180.94	6.90E-05	2.90E-04	2.61E-05	5.74E-05	2.13E-04	1.87E-05	6.51E-06	3.73E-05	4.45E-06	5.92E-06	1.95E-05	1.35E-06
762	470759.69	3819189.79	7.07E-05	2.97E-04	2.67E-05	5.89E-05	2.18E-04	1.92E-05	6.68E-06	3.82E-05	4.56E-06	6.07E-06	2.00E-05	1.38E-06
763	470763.25	3819198.63	7.24E-05	3.04E-04	2.74E-05	6.03E-05	2.23E-04	1.97E-05	6.84E-06	3.92E-05	4.67E-06	6.22E-06	2.05E-05	1.41E-06
764	470766.81	3819207.48	7.40E-05	3.11E-04	2.80E-05	6.17E-05	2.29E-04	2.01E-05	6.99E-06	4.00E-05	4.78E-06	6.36E-06	2.10E-05	1.44E-06
765	470770.37	3819216.32	7.56E-05	3.18E-04	2.86E-05	6.30E-05	2.33E-04	2.05E-05	7.14E-06	4.09E-05	4.88E-06	6.49E-06	2.14E-05	1.48E-06
766	470773.93	3819225.17	7.71E-05	3.24E-04	2.92E-05	6.42E-05	2.38E-04	2.09E-05	7.28E-06	4.17E-05	4.97E-06	6.62E-06	2.18E-05	1.50E-06
767	470288.13	3818738.62	4.78E-05	2.01E-04	1.81E-05	3.98E-05	1.47E-04	1.30E-05	4.51E-06	2.58E-05	3.08E-06	4.10E-06	1.35E-05	9.32E-07
768	470278.57	3818738.48	4.88E-05	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.60E-06	2.64E-05	3.14E-06	4.19E-06	1.38E-05	9.51E-07
769	470269	3818738.35	4.97E-05	2.09E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.69E-06	2.69E-05	3.21E-06	4.27E-06	1.41E-05	9.70E-07
770	470259.44	3818738.21	5.06E-05	2.13E-04	1.91E-05	4.22E-05	1.56E-04	1.37E-05	4.78E-06	2.74E-05	3.27E-06	4.35E-06	1.43E-05	9.88E-07
771	470249.88	3818738.08	5.16E-05	2.17E-04	1.95E-05	4.29E-05	1.59E-04	1.40E-05	4.87E-06	2.79E-05	3.33E-06	4.43E-06	1.46E-05	1.01E-06
772	470240.32	3818737.94	5.24E-05	2.20E-04	1.98E-05	4.37E-05	1.62E-04	1.42E-05	4.95E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
773	470230.75	3818737.81	5.32E-05	2.24E-04	2.01E-05	4.43E-05	1.64E-04	1.45E-05	5.03E-06	2.88E-05	3.43E-06	4.57E-06	1.51E-05	1.04E-06
774	470221.19	3818737.67	5.40E-05	2.27E-04	2.04E-05	4.49E-05	1.66E-04	1.46E-05	5.10E-06	2.92E-05	3.48E-06	4.63E-06	1.53E-05	1.05E-06
775	470211.63	3818737.54	5.46E-05	2.29E-04	2.06E-05	4.55E-05	1.68E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
776	470202.07	3818737.4	5.51E-05	2.32E-04	2.08E-05	4.59E-05	1.70E-04	1.50E-05	5.21E-06	2.98E-05	3.56E-06	4.73E-06	1.56E-05	1.08E-06
777	470192.51	3818737.27	5.56E-05	2.33E-04	2.10E-05	4.63E-05	1.72E-04	1.51E-05	5.25E-06	3.00E-05	3.58E-06	4.77E-06	1.57E-05	1.08E-06
778	470182.94	3818737.13	5.59E-05	2.35E-04	2.11E-05	4.66E-05	1.73E-04	1.52E-05	5.28E-06	3.02E-05	3.61E-06	4.80E-06	1.58E-05	1.09E-06
779	470173.38	3818737	5.62E-05	2.36E-04	2.12E-05	4.68E-05	1.73E-04	1.52E-05	5.30E-06	3.04E-05	3.62E-06	4.82E-06	1.59E-05	1.10E-06
780	470163.82	3818736.86	5.63E-05	2.36E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.32E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
781	470154.26	3818736.73	5.63E-05	2.37E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.32E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
782	470144.69	3818736.59	5.62E-05	2.36E-04	2.13E-05	4.68E-05	1.74E-04	1.53E-05	5.31E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
783	470135.13	3818736.46	5.61E-05	2.35E-04	2.12E-05	4.67E-05	1.73E-04	1.52E-05	5.29E-06	3.03E-05	3.62E-06	4.81E-06	1.59E-05	1.09E-06
784	470125.57	3818736.32	5.58E-05	2.34E-04	2.11E-05	4.65E-05	1.72E-04	1.51E-05	5.27E-06	3.02E-05	3.60E-06	4.79E-06	1.58E-05	1.09E-06
785	470116.01	3818736.19	5.54E-05	2.33E-04	2.10E-05	4.62E-05	1.71E-04	1.50E-05	5.23E-06	3.00E-05	3.58E-06	4.76E-06	1.57E-05	1.08E-06
786	470297.3	3818702.32	4.16E-05	1.75E-04	1.57E-05	3.47E-05	1.28E-04	1.13E-05	3.93E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.12E-07
787	470305.9	3818706.01	4.12E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.23E-05	2.66E-06	3.54E-06	1.17E-05	8.04E-07
788	470314.5	3818709.7	4.08E-05	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.20E-05	2.63E-06	3.50E-06	1.15E-05	7.96E-07
789	470323.1	3818713.39	4.03E-05	1.69E-04	1.53E-05	3.36E-05	1.24E-04	1.09E-05	3.81E-06	2.18E-05	2.60E-06	3.46E-06	1.14E-05	7.87E-07
790	470331.71	3818717.09	3.98E-05	1.67E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.77E-07
791	470340.31	3818720.78	3.93E-05	1.65E-04	1.49E-05	3.28E-05	1.21E-04	1.07E-05	3.71E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.68E-07
792	470348.91	3818724.47	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.67E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
793	470357.52	3818728.16	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.62E-06	2.07E-05	2.47E-06	3.29E-06	1.09E-05	7.48E-07
794	470366.12	3818731.86	3.79E-05	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.57E-06	2.05E-05	2.44E-06	3.25E-06	1.07E-05	7.39E-07
795	470469.35	3818776.16	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.60E-05	8.44E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.81E-06	6.07E-07
796	470477.95	3818779.86	3.05E-05	1.28E-04	1.15E-05	2.54E-05	9.42E-05	8.29E-06	2.88E-06	1.65E-05	1.97E-06	2.62E-06	8.64E-06	5.96E-07
797	470486.56	3818783.55	2.99E-05	1.26E-04	1.13E-05	2.49E-05	9.24E-05	8.13E-06	2.83E-06	1.62E-05	1.93E-06	2.57E-06	8.48E-06	5.84E-07
798	470495.16	3818787.24	2.94E-05	1.23E-04	1.11E-05	2.45E-05	9.06E-05	7.97E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.31E-06	5.73E-07
799	470503.76	3818790.93	2.88E-05	1.21E-04	1.09E-05	2.40E-05	8.89E-05	7.82E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.16E-06	5.62E-07

800	470512.37	3818794.63	2.83E-05	1.19E-04	1.07E-05	2.36E-05	8.73E-05	7.68E-06	2.67E-06	1.53E-05	1.83E-06	2.43E-06	8.01E-06	5.52E-07
801	470624.2	3818842.63	2.27E-05	9.54E-05	8.59E-06	1.89E-05	7.01E-05	6.17E-06	2.15E-06	1.23E-05	1.47E-06	1.95E-06	6.43E-06	4.43E-07
802	470632.8	3818846.32	2.24E-05	9.43E-05	8.49E-06	1.87E-05	6.93E-05	6.09E-06	2.12E-06	1.21E-05	1.45E-06	1.93E-06	6.35E-06	4.38E-07
803	470641.41	3818850.01	2.22E-05	9.32E-05	8.39E-06	1.85E-05	6.85E-05	6.02E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.28E-06	4.33E-07
804	470650.01	3818853.7	2.20E-05	9.22E-05	8.31E-06	1.83E-05	6.78E-05	5.96E-06	2.07E-06	1.19E-05	1.42E-06	1.89E-06	6.22E-06	4.29E-07
805	470658.61	3818857.4	2.18E-05	9.14E-05	8.23E-06	1.81E-05	6.71E-05	5.91E-06	2.05E-06	1.18E-05	1.40E-06	1.87E-06	6.16E-06	4.24E-07
806	470670.71	3818869.77	2.20E-05	9.22E-05	8.30E-06	1.83E-05	6.78E-05	5.96E-06	2.07E-06	1.19E-05	1.42E-06	1.88E-06	6.21E-06	4.28E-07
807	470674.21	3818878.46	2.24E-05	9.40E-05	8.47E-06	1.86E-05	6.91E-05	6.08E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.34E-06	4.37E-07
808	470677.7	3818887.14	2.28E-05	9.59E-05	8.64E-06	1.90E-05	7.05E-05	6.20E-06	2.16E-06	1.23E-05	1.47E-06	1.96E-06	6.47E-06	4.46E-07
809	470681.2	3818895.83	2.33E-05	9.80E-05	8.83E-06	1.94E-05	7.20E-05	6.33E-06	2.20E-06	1.26E-05	1.51E-06	2.00E-06	6.61E-06	4.55E-07
810	470684.7	3818904.51	2.39E-05	1.00E-04	9.03E-06	1.99E-05	7.37E-05	6.48E-06	2.25E-06	1.29E-05	1.54E-06	2.05E-06	6.76E-06	4.66E-07
811	470688.19	3818913.2	2.44E-05	1.03E-04	9.24E-06	2.04E-05	7.54E-05	6.64E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.92E-06	4.77E-07
812	470691.69	3818921.88	2.51E-05	1.05E-04	9.48E-06	2.09E-05	7.73E-05	6.80E-06	2.37E-06	1.35E-05	1.62E-06	2.15E-06	7.09E-06	4.89E-07
813	470695.19	3818930.56	2.57E-05	1.08E-04	9.72E-06	2.14E-05	7.93E-05	6.98E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.28E-06	5.02E-07
814	470698.68	3818939.25	2.64E-05	1.11E-04	9.99E-06	2.20E-05	8.15E-05	7.17E-06	2.49E-06	1.43E-05	1.70E-06	2.27E-06	7.48E-06	5.15E-07
815	470702.18	3818947.93	2.72E-05	1.14E-04	1.03E-05	2.26E-05	8.38E-05	7.37E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.69E-06	5.30E-07
816	470705.67	3818956.62	2.79E-05	1.17E-04	1.06E-05	2.33E-05	8.62E-05	7.59E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.91E-06	5.45E-07
817	470709.17	3818965.3	2.88E-05	1.21E-04	1.09E-05	2.40E-05	8.88E-05	7.81E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.14E-06	5.61E-07
818	470712.67	3818973.99	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.15E-05	8.05E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.39E-06	5.79E-07
819	470716.16	3818982.67	3.06E-05	1.28E-04	1.16E-05	2.55E-05	9.43E-05	8.30E-06	2.89E-06	1.65E-05	1.97E-06	2.62E-06	8.65E-06	5.97E-07
820	470719.66	3818991.35	3.16E-05	1.33E-04	1.19E-05	2.63E-05	9.74E-05	8.57E-06	2.98E-06	1.71E-05	2.04E-06	2.71E-06	8.93E-06	6.16E-07
821	470723.16	3819000.04	3.26E-05	1.37E-04	1.23E-05	2.71E-05	1.01E-04	8.84E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.22E-06	6.36E-07
822	470726.65	3819008.72	3.37E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.14E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.53E-06	6.57E-07
823	470730.15	3819017.41	3.48E-05	1.46E-04	1.32E-05	2.90E-05	1.07E-04	9.45E-06	3.29E-06	1.88E-05	2.24E-06	2.99E-06	9.85E-06	6.79E-07
824	470733.64	3819026.09	3.60E-05	1.51E-04	1.36E-05	3.00E-05	1.11E-04	9.77E-06	3.40E-06	1.94E-05	2.32E-06	3.09E-06	1.02E-05	7.02E-07
825	470737.14	3819034.78	3.72E-05	1.56E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.26E-07
826	470740.64	3819043.46	3.85E-05	1.62E-04	1.46E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.51E-07
827	470744.13	3819052.14	3.98E-05	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.76E-07
828	470747.63	3819060.83	4.12E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.03E-07
829	470751.13	3819069.51	4.25E-05	1.79E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.02E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.30E-07
830	470754.62	3819078.2	4.40E-05	1.85E-04	1.66E-05	3.66E-05	1.36E-04	1.19E-05	4.15E-06	2.38E-05	2.84E-06	3.78E-06	1.24E-05	8.58E-07
831	470758.12	3819086.88	4.54E-05	1.91E-04	1.72E-05	3.78E-05	1.40E-04	1.23E-05	4.29E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.87E-07
832	470761.61	3819095.57	4.69E-05	1.97E-04	1.77E-05	3.91E-05	1.45E-04	1.27E-05	4.43E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.16E-07
833	470765.11	3819104.25	4.84E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.57E-06	2.62E-05	3.12E-06	4.16E-06	1.37E-05	9.45E-07
834	470768.61	3819112.93	5.00E-05	2.10E-04	1.89E-05	4.16E-05	1.54E-04	1.36E-05	4.72E-06	2.70E-05	3.22E-06	4.29E-06	1.41E-05	9.75E-07
835	470772.1	3819121.62	5.15E-05	2.16E-04	1.95E-05	4.29E-05	1.59E-04	1.40E-05	4.86E-06	2.78E-05	3.32E-06	4.42E-06	1.46E-05	1.00E-06
836	470775.6	3819130.3	5.30E-05	2.23E-04	2.01E-05	4.42E-05	1.64E-04	1.44E-05	5.01E-06	2.87E-05	3.42E-06	4.55E-06	1.50E-05	1.04E-06
837	470779.1	3819138.99	5.46E-05	2.29E-04	2.06E-05	4.55E-05	1.68E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
838	470782.59	3819147.67	5.61E-05	2.36E-04	2.12E-05	4.68E-05	1.73E-04	1.52E-05	5.30E-06	3.03E-05	3.62E-06	4.82E-06	1.59E-05	1.10E-06
839	470786.09	3819156.36	5.77E-05	2.42E-04	2.18E-05	4.80E-05	1.78E-04	1.57E-05	5.45E-06	3.12E-05	3.72E-06	4.95E-06	1.63E-05	1.13E-06
840	470789.58	3819165.04	5.92E-05	2.49E-04	2.24E-05	4.93E-05	1.83E-04	1.61E-05	5.59E-06	3.20E-05	3.82E-06	5.08E-06	1.68E-05	1.15E-06
841	470793.08	3819173.73	6.07E-05	2.55E-04	2.29E-05	5.05E-05	1.87E-04	1.65E-05	5.73E-06	3.28E-05	3.91E-06	5.21E-06	1.72E-05	1.18E-06
842	470796.58	3819182.41	6.21E-05	2.61E-04	2.35E-05	5.17E-05	1.92E-04	1.69E-05	5.87E-06	3.36E-05	4.01E-06	5.33E-06	1.76E-05	1.21E-06
843	470800.07	3819191.09	6.35E-05	2.67E-04	2.40E-05	5.29E-05	1.96E-04	1.72E-05	6.00E-06	3.43E-05	4.10E-06	5.45E-06	1.80E-05	1.24E-06
844	470803.57	3819199.78	6.49E-05	2.72E-04	2.45E-05	5.40E-05	2.00E-04	1.76E-05	6.12E-06	3.51E-05	4.18E-06	5.57E-06	1.84E-05	1.27E-06
845	470807.07	3819208.46	6.62E-05	2.78E-04	2.50E-05	5.51E-05	2.04E-04	1.80E-05	6.25E-06	3.58E-05	4.27E-06	5.68E-06	1.87E-05	1.29E-06
846	470810.56	3819217.15	6.74E-05	2.83E-04	2.55E-05	5.61E-05	2.08E-04	1.83E-05	6.36E-06	3.64E-05	4.35E-06	5.78E-06	1.91E-05	1.31E-06
847	470288.69	3818698.62	4.20E-05	1.76E-04	1.59E-05	3.49E-05	1.29E-04	1.14E-05	3.96E-06	2.27E-05	2.71E-06	3.60E-06	1.19E-05	8.19E-07
848	470279.13	3818698.49	4.28E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.04E-06	2.31E-05	2.76E-06	3.68E-06	1.21E-05	8.36E-07
849	470269.57	3818698.35	4.36E-05	1.83E-04	1.65E-05	3.64E-05	1.35E-04	1.18E-05	4.12E-06	2.36E-05	2.82E-06	3.75E-06	1.24E-05	8.52E-07
850	470260.01	3818698.22	4.44E-05	1.87E-04	1.68E-05	3.70E-05	1.37E-04	1.21E-05	4.20E-06	2.40E-05	2.87E-06	3.82E-06	1.26E-05	8.67E-07
851	470250.44	3818698.08	4.52E-05	1.90E-04	1.71E-05	3.76E-05	1.39E-04	1.23E-05	4.27E-06	2.44E-05	2.91E-06	3.88E-06	1.28E-05	8.82E-07
852	470240.88	3818697.95	4.59E-05	1.93E-04	1.73E-05	3.82E-05	1.42E-04	1.25E-05	4.33E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.95E-07
853	470231.32	3818697.81	4.65E-05	1.95E-04	1.76E-05	3.87E-05	1.43E-04	1.26E-05	4.39E-06	2.51E-05	3.00E-06	3.99E-06	1.32E-05	9.07E-07
854	470221.76	3818697.68	4.71E-05	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.04E-06	1.33E-05	9.19E-07
855	470212.2	3818697.54	4.76E-05	2.00E-04	1.80E-05	3.97E-05	1.47E-04	1.29E-05	4.50E-06	2.57E-05	3.07E-06	4.09E-06	1.35E-05	9.29E-07
856	470202.63	3818697.41	4.81E-05	2.02E-04	1.82E-05	4.01E-05	1.48E-04	1.31E-05	4.54E-06	2.60E-05	3.10E-06	4.13E-06	1.36E-05	9.38E-07
857	470193.07	3818697.27	4.85E-05	2.04E-04	1.83E-05	4.04E-05	1.50E-04	1.32E-05	4.58E-06	2.62E-05	3.13E-06	4.16E-06	1.37E-05	9.46E-07
858	470183.51	3818697.14	4.88E-05	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.61E-06	2.64E-05	3.15E-06	4.19E-06	1.38E-05	9.52E-07
859	470173.95	3818697	4.90E-05	2.06E-04	1.85E-05	4.08E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.56E-07
860	470164.38	3818696.87	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.58E-07
861	470154.82	3818696.73	4.92E-05	2.06E-04	1.86E-05	4.10E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.59E-07
862	470145.26	3818696.6	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.59E-07
863	470135.7	3818696.46	4.90E-05	2.06E-04	1.85E-05	4.08E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.56E-07
864	470126.14	3818696.33	4.88E-05	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.60E-06	2.64E-05	3.15E-06	4.19E-06	1.38E-05	9.52E-07
865	470116.57	3818696.19	4.85E-05	2.04E-04	1.83E-05	4.04E-05	1.50E-04	1.32E-05	4.58E-06	2.62E-05	3.13E-06	4.16E-06	1.37E-05	9.46E-07
866	470479.56	3818740.31	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.51E-05	7.48E-06	2.60E-06	1.49E-05	1.78E-06	2.37E-06	7.80E-06	5.38E-07
867	470488.21	3818744.02	2.71E-05	1.14E-04	1.02E-05	2.25E-05	8.35E-05	7.35E-06	2.56E-06	1.46E-05	1.75E-06	2.32E-06	7.66E-06	5.28E-07
868	470496.86	3818747.73	2.66E-05	1.12E-04	1.01E-05	2.21E-05	8.20E-05	7.21E-06	2.51E-06	1.44E-05	1.71E-06	2.28E-06	7.52E-06	5.19E-07
869	470505.51	3818751.45	2.61E-05	1.10E-04	9.87E-06	2.17E-05	8.05E-05	7.08E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.38E-06	5.09E-07
870	470514.16	3818755.16	2.56E-05	1.08E-04	9.68E-06	2.13E-05	7.90E-05	6.95E-06	2.42E-06	1.38E-05	1.65E-06	2.20E-06	7.25E-06	5.00E-07
871	470522.81	3818758.87	2.51E-05	1.06E-04	9.50E-06	2.09E-05	7.76E-05	6.82E-06	2.37E-06	1.36E-05	1.62E-06	2.16E-06	7.11E-06	4.90E-07
872	470592.02	3818788.57	2.18E-05	9.17E-05	8.26E-06	1.82E-05	6.74E-05	5.93E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.18E-06	4.26E-07

873	470600.67	3818792.29	2.15E-05	9.02E-05	8.12E-06	1.79E-05	6.63E-05	5.83E-06	2.03E-06	1.16E-05	1.39E-06	1.84E-06	6.08E-06	4.19E-07
874	470609.32	3818796	2.11E-05	8.87E-05	7.99E-06	1.76E-05	6.52E-05	5.74E-06	2.00E-06	1.14E-05	1.36E-06	1.81E-06	5.98E-06	4.12E-07
875	470617.97	3818799.71	2.08E-05	8.74E-05	7.87E-06	1.73E-05	6.42E-05	5.65E-06	1.96E-06	1.12E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
876	470626.62	3818803.43	2.05E-05	8.61E-05	7.75E-06	1.71E-05	6.33E-05	5.56E-06	1.94E-06	1.11E-05	1.32E-06	1.76E-06	5.80E-06	4.00E-07
877	470635.27	3818807.14	2.02E-05	8.49E-05	7.64E-06	1.68E-05	6.24E-05	5.49E-06	1.91E-06	1.09E-05	1.30E-06	1.73E-06	5.72E-06	3.94E-07
878	470643.92	3818810.85	1.99E-05	8.37E-05	7.54E-06	1.66E-05	6.15E-05	5.41E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.64E-06	3.89E-07
879	470652.57	3818814.56	1.97E-05	8.27E-05	7.45E-06	1.64E-05	6.08E-05	5.35E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.57E-06	3.84E-07
880	470661.22	3818818.28	1.95E-05	8.18E-05	7.36E-06	1.62E-05	6.01E-05	5.28E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.51E-06	3.80E-07
881	470669.87	3818821.99	1.93E-05	8.09E-05	7.28E-06	1.60E-05	5.94E-05	5.23E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.45E-06	3.76E-07
882	470678.52	3818825.7	1.91E-05	8.01E-05	7.21E-06	1.59E-05	5.88E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
883	470687.17	3818829.41	1.89E-05	7.94E-05	7.15E-06	1.57E-05	5.83E-05	5.13E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.35E-06	3.69E-07
884	470699.33	3818841.86	1.91E-05	8.01E-05	7.21E-06	1.59E-05	5.88E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
885	470702.85	3818850.59	1.94E-05	8.16E-05	7.34E-06	1.62E-05	5.99E-05	5.27E-06	1.83E-06	1.05E-05	1.25E-06	1.67E-06	5.50E-06	3.79E-07
886	470706.37	3818859.32	1.98E-05	8.32E-05	7.49E-06	1.65E-05	6.11E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.60E-06	3.86E-07
887	470720.43	3818894.25	2.16E-05	9.07E-05	8.17E-06	1.80E-05	6.67E-05	5.86E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.11E-06	4.21E-07
888	470723.94	3818902.99	2.21E-05	9.29E-05	8.37E-06	1.84E-05	6.83E-05	6.01E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.26E-06	4.32E-07
889	470727.46	3818911.72	2.27E-05	9.53E-05	8.58E-06	1.89E-05	7.00E-05	6.16E-06	2.14E-06	1.23E-05	1.46E-06	1.95E-06	6.42E-06	4.43E-07
890	470730.97	3818920.45	2.33E-05	9.78E-05	8.81E-06	1.94E-05	7.19E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.54E-07
891	470734.49	3818929.18	2.39E-05	1.00E-04	9.05E-06	1.99E-05	7.38E-05	6.49E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.77E-06	4.67E-07
892	470738	3818937.91	2.46E-05	1.03E-04	9.30E-06	2.05E-05	7.59E-05	6.68E-06	2.32E-06	1.33E-05	1.59E-06	2.11E-06	6.96E-06	4.80E-07
893	470741.52	3818946.65	2.53E-05	1.06E-04	9.57E-06	2.11E-05	7.81E-05	6.87E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.16E-06	4.94E-07
894	470745.04	3818955.38	2.61E-05	1.09E-04	9.85E-06	2.17E-05	8.04E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.37E-06	5.08E-07
895	470748.55	3818964.11	2.68E-05	1.13E-04	1.02E-05	2.24E-05	8.28E-05	7.29E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.60E-06	5.24E-07
896	470752.07	3818972.84	2.77E-05	1.16E-04	1.05E-05	2.30E-05	8.54E-05	7.51E-06	2.61E-06	1.50E-05	1.78E-06	2.37E-06	7.83E-06	5.40E-07
897	470755.58	3818981.58	2.85E-05	1.20E-04	1.08E-05	2.38E-05	8.80E-05	7.74E-06	2.69E-06	1.54E-05	1.84E-06	2.45E-06	8.08E-06	5.57E-07
898	470759.1	3818990.31	2.94E-05	1.24E-04	1.11E-05	2.45E-05	9.08E-05	7.99E-06	2.78E-06	1.59E-05	1.90E-06	2.53E-06	8.33E-06	5.74E-07
899	470762.61	3818999.04	3.04E-05	1.28E-04	1.15E-05	2.53E-05	9.38E-05	8.25E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.60E-06	5.93E-07
900	470766.13	3819007.77	3.14E-05	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.52E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
901	470769.64	3819016.5	3.24E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.17E-06	6.32E-07
902	470773.16	3819025.24	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.08E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.47E-06	6.53E-07
903	470776.68	3819033.97	3.46E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.38E-06	3.26E-06	1.87E-05	2.23E-06	2.97E-06	9.78E-06	6.74E-07
904	470780.19	3819042.7	3.57E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.69E-06	3.37E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.96E-07
905	470783.71	3819051.43	3.68E-05	1.55E-04	1.39E-05	3.07E-05	1.14E-04	1.00E-05	3.48E-06	1.99E-05	2.38E-06	3.16E-06	1.04E-05	7.19E-07
906	470787.22	3819060.17	3.81E-05	1.60E-04	1.44E-05	3.17E-05	1.17E-04	1.03E-05	3.59E-06	2.06E-05	2.45E-06	3.27E-06	1.08E-05	7.43E-07
907	470790.74	3819068.9	3.93E-05	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.66E-07
908	470794.25	3819077.63	4.05E-05	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.61E-06	3.48E-06	1.15E-05	7.91E-07
909	470797.77	3819086.36	4.18E-05	1.76E-04	1.58E-05	3.48E-05	1.29E-04	1.13E-05	3.95E-06	2.26E-05	2.70E-06	3.59E-06	1.18E-05	8.16E-07
910	470801.28	3819095.09	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.41E-07
911	470804.8	3819103.83	4.44E-05	1.86E-04	1.68E-05	3.70E-05	1.37E-04	1.20E-05	4.19E-06	2.40E-05	2.86E-06	3.81E-06	1.26E-05	8.66E-07
912	470808.32	3819112.56	4.57E-05	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.32E-06	2.47E-05	2.95E-06	3.92E-06	1.29E-05	8.92E-07
913	470811.83	3819121.29	4.70E-05	1.97E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.44E-06	2.54E-05	3.03E-06	4.04E-06	1.33E-05	9.17E-07
914	470815.35	3819130.02	4.83E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.56E-06	2.61E-05	3.12E-06	4.15E-06	1.37E-05	9.43E-07
915	470818.86	3819138.76	4.97E-05	2.09E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.69E-06	2.68E-05	3.20E-06	4.26E-06	1.41E-05	9.69E-07
916	470822.38	3819147.49	5.10E-05	2.14E-04	1.93E-05	4.25E-05	1.57E-04	1.38E-05	4.81E-06	2.76E-05	3.29E-06	4.38E-06	1.44E-05	9.95E-07
917	470825.89	3819156.22	5.23E-05	2.20E-04	1.98E-05	4.35E-05	1.61E-04	1.42E-05	4.94E-06	2.83E-05	3.37E-06	4.49E-06	1.48E-05	1.02E-06
918	470829.41	3819164.95	5.35E-05	2.25E-04	2.02E-05	4.46E-05	1.65E-04	1.45E-05	5.06E-06	2.89E-05	3.45E-06	4.60E-06	1.52E-05	1.04E-06
919	470832.92	3819173.69	5.48E-05	2.30E-04	2.07E-05	4.56E-05	1.69E-04	1.49E-05	5.17E-06	2.96E-05	3.53E-06	4.70E-06	1.55E-05	1.07E-06
920	470836.44	3819182.42	5.60E-05	2.35E-04	2.12E-05	4.66E-05	1.73E-04	1.52E-05	5.28E-06	3.03E-05	3.61E-06	4.80E-06	1.58E-05	1.09E-06
921	470839.96	3819191.15	5.71E-05	2.40E-04	2.16E-05	4.76E-05	1.76E-04	1.55E-05	5.39E-06	3.09E-05	3.68E-06	4.90E-06	1.62E-05	1.11E-06
922	470843.47	3819199.88	5.82E-05	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
923	470846.99	3819208.61	5.93E-05	2.49E-04	2.24E-05	4.94E-05	1.83E-04	1.61E-05	5.60E-06	3.21E-05	3.83E-06	5.09E-06	1.68E-05	1.16E-06
924	470850.5	3819217.35	6.03E-05	2.53E-04	2.28E-05	5.03E-05	1.86E-04	1.64E-05	5.70E-06	3.26E-05	3.89E-06	5.18E-06	1.71E-05	1.18E-06
925	470260.57	3818658.22	3.93E-05	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.67E-07
926	470251.01	3818658.09	3.99E-05	1.68E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.77E-06	2.16E-05	2.57E-06	3.42E-06	1.13E-05	7.78E-07
927	470241.45	3818657.95	4.04E-05	1.70E-04	1.53E-05	3.37E-05	1.25E-04	1.10E-05	3.82E-06	2.19E-05	2.61E-06	3.47E-06	1.14E-05	7.89E-07
928	470231.88	3818657.82	4.10E-05	1.72E-04	1.55E-05	3.41E-05	1.26E-04	1.11E-05	3.87E-06	2.21E-05	2.64E-06	3.52E-06	1.16E-05	7.99E-07
929	470222.32	3818657.68	4.15E-05	1.74E-04	1.57E-05	3.45E-05	1.28E-04	1.13E-05	3.91E-06	2.24E-05	2.67E-06	3.56E-06	1.17E-05	8.09E-07
930	470212.76	3818657.55	4.19E-05	1.76E-04	1.59E-05	3.49E-05	1.29E-04	1.14E-05	3.96E-06	2.27E-05	2.70E-06	3.60E-06	1.19E-05	8.18E-07
931	470203.2	3818657.41	4.23E-05	1.78E-04	1.60E-05	3.52E-05	1.31E-04	1.15E-05	3.99E-06	2.29E-05	2.73E-06	3.63E-06	1.20E-05	8.25E-07
932	470193.64	3818657.28	4.26E-05	1.79E-04	1.61E-05	3.55E-05	1.31E-04	1.16E-05	4.02E-06	2.30E-05	2.75E-06	3.66E-06	1.21E-05	8.31E-07
933	470184.07	3818657.14	4.28E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.04E-06	2.31E-05	2.76E-06	3.68E-06	1.21E-05	8.36E-07
934	470174.51	3818657.01	4.30E-05	1.80E-04	1.62E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.38E-07
935	470164.95	3818656.87	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.40E-07
936	470155.39	3818656.74	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.42E-07
937	470145.82	3818656.6	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.41E-07
938	470136.26	3818656.47	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.40E-07
939	470126.7	3818656.33	4.29E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.77E-06	3.68E-06	1.21E-05	8.37E-07
940	470117.14	3818656.2	4.27E-05	1.79E-04	1.62E-05	3.56E-05	1.32E-04	1.16E-05	4.03E-06	2.31E-05	2.75E-06	3.67E-06	1.21E-05	8.33E-07
941	470489.74	3818704.44	2.46E-05	1.03E-04	9.29E-06	2.05E-05	7.58E-05	6.67E-06	2.32E-06	1.33E-05	1.59E-06	2.11E-06	6.96E-06	4.80E-07
942	470498.43	3818708.17	2.42E-05	1.01E-04	9.14E-06	2.01E-05	7.46E-05	6.56E-06	2.28E-06	1.31E-05	1.56E-06	2.07E-06	6.84E-06	4.71E-07
943	470507.12	3818711.9	2.38E-05	9.99E-05	8.99E-06	1.98E-05	7.34E-05	6.46E-06	2.25E-06	1.29E-05	1.53E-06	2.04E-06	6.73E-06	4.64E-07
944	470515.81	3818715.63	2.34E-05	9.84E-05	8.86E-06	1.95E-05	7.23E-05	6.36E-06	2.21E-06	1.27E-05	1.51E-06	2.01E-06	6.63E-06	4.57E-07
945	470524.51	3818719.36	2.30E-05	9.66E-05	8.70E-06	1.92E-05	7.10E-05	6.25E-06	2.17E-06	1.24E-05	1.48E-06	1.98E-06	6.51E-06	4.49E-07

946	470533.2	3818723.09	2.26E-05	9.49E-05	8.55E-06	1.88E-05	6.97E-05	6.14E-06	2.13E-06	1.22E-05	1.46E-06	1.94E-06	6.40E-06	4.41E-07
947	470541.89	3818726.82	2.22E-05	9.32E-05	8.40E-06	1.85E-05	6.85E-05	6.03E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.28E-06	4.33E-07
948	470550.58	3818730.55	2.18E-05	9.16E-05	8.25E-06	1.82E-05	6.73E-05	5.92E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.17E-06	4.25E-07
949	470567.97	3818738.01	2.10E-05	8.83E-05	7.95E-06	1.75E-05	6.49E-05	5.71E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.95E-06	4.10E-07
950	470576.66	3818741.74	2.07E-05	8.68E-05	7.81E-06	1.72E-05	6.38E-05	5.61E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.85E-06	4.03E-07
951	470585.35	3818745.47	2.03E-05	8.53E-05	7.68E-06	1.69E-05	6.26E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.75E-06	3.96E-07
952	470594.04	3818749.21	1.99E-05	8.38E-05	7.54E-06	1.66E-05	6.16E-05	5.42E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.65E-06	3.89E-07
953	470602.73	3818752.94	1.96E-05	8.24E-05	7.42E-06	1.63E-05	6.05E-05	5.33E-06	1.85E-06	1.06E-05	1.27E-06	1.68E-06	5.55E-06	3.83E-07
954	470611.43	3818756.67	1.93E-05	8.11E-05	7.30E-06	1.61E-05	5.96E-05	5.24E-06	1.82E-06	1.04E-05	1.24E-06	1.66E-06	5.46E-06	3.77E-07
955	470620.12	3818760.4	1.90E-05	7.97E-05	7.18E-06	1.58E-05	5.86E-05	5.15E-06	1.79E-06	1.03E-05	1.22E-06	1.63E-06	5.37E-06	3.70E-07
956	470628.81	3818764.13	1.87E-05	7.85E-05	7.07E-06	1.56E-05	5.77E-05	5.07E-06	1.76E-06	1.01E-05	1.21E-06	1.60E-06	5.29E-06	3.65E-07
957	470637.5	3818767.86	1.84E-05	7.73E-05	6.96E-06	1.53E-05	5.68E-05	5.00E-06	1.74E-06	9.95E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
958	470646.19	3818771.59	1.81E-05	7.61E-05	6.86E-06	1.51E-05	5.59E-05	4.92E-06	1.71E-06	9.80E-06	1.17E-06	1.56E-06	5.13E-06	3.54E-07
959	470654.89	3818775.32	1.79E-05	7.51E-05	6.76E-06	1.49E-05	5.52E-05	4.85E-06	1.69E-06	9.67E-06	1.15E-06	1.54E-06	5.06E-06	3.49E-07
960	470795.07	3818980.65	2.67E-05	1.12E-04	1.01E-05	2.23E-05	8.25E-05	7.26E-06	2.52E-06	1.45E-05	1.72E-06	2.29E-06	7.57E-06	5.22E-07
961	470798.6	3818989.43	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.51E-05	7.48E-06	2.60E-06	1.49E-05	1.78E-06	2.37E-06	7.80E-06	5.38E-07
962	470802.14	3818998.2	2.84E-05	1.19E-04	1.08E-05	2.37E-05	8.77E-05	7.72E-06	2.69E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
963	470805.67	3819006.98	2.93E-05	1.23E-04	1.11E-05	2.44E-05	9.05E-05	7.96E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.30E-06	5.72E-07
964	470809.2	3819015.75	3.03E-05	1.27E-04	1.14E-05	2.52E-05	9.34E-05	8.21E-06	2.86E-06	1.64E-05	1.95E-06	2.60E-06	8.56E-06	5.90E-07
965	470812.73	3819024.53	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.63E-05	8.47E-06	2.95E-06	1.69E-05	2.01E-06	2.68E-06	8.83E-06	6.09E-07
966	470816.27	3819033.3	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.93E-05	8.74E-06	3.04E-06	1.74E-05	2.08E-06	2.76E-06	9.11E-06	6.28E-07
967	470819.8	3819042.07	3.32E-05	1.39E-04	1.26E-05	2.76E-05	1.02E-04	9.01E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
968	470823.33	3819050.85	3.42E-05	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.29E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.69E-06	6.68E-07
969	470826.86	3819059.62	3.53E-05	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.58E-06	3.33E-06	1.91E-05	2.28E-06	3.03E-06	9.99E-06	6.89E-07
970	470830.4	3819068.4	3.64E-05	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.87E-06	3.43E-06	1.97E-05	2.35E-06	3.12E-06	1.03E-05	7.10E-07
971	470833.93	3819077.17	3.75E-05	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.31E-07
972	470837.46	3819085.95	3.86E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
973	470840.99	3819094.72	3.97E-05	1.67E-04	1.50E-05	3.31E-05	1.22E-04	1.08E-05	3.75E-06	2.15E-05	2.56E-06	3.41E-06	1.12E-05	7.74E-07
974	470844.53	3819103.5	4.08E-05	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.21E-05	2.63E-06	3.50E-06	1.16E-05	7.96E-07
975	470848.06	3819112.27	4.19E-05	1.76E-04	1.59E-05	3.49E-05	1.29E-04	1.14E-05	3.96E-06	2.27E-05	2.71E-06	3.60E-06	1.19E-05	8.19E-07
976	470851.59	3819121.04	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.41E-07
977	470855.12	3819129.82	4.42E-05	1.86E-04	1.67E-05	3.68E-05	1.36E-04	1.20E-05	4.18E-06	2.39E-05	2.85E-06	3.80E-06	1.25E-05	8.63E-07
978	470858.66	3819138.59	4.53E-05	1.90E-04	1.72E-05	3.78E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.93E-06	3.89E-06	1.28E-05	8.85E-07
979	470862.19	3819147.37	4.65E-05	1.95E-04	1.76E-05	3.87E-05	1.43E-04	1.26E-05	4.39E-06	2.51E-05	3.00E-06	3.99E-06	1.32E-05	9.07E-07
980	470865.72	3819156.14	4.76E-05	2.00E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.49E-06	2.57E-05	3.07E-06	4.08E-06	1.35E-05	9.28E-07
981	470869.25	3819164.92	4.86E-05	2.04E-04	1.84E-05	4.05E-05	1.50E-04	1.32E-05	4.59E-06	2.63E-05	3.14E-06	4.17E-06	1.38E-05	9.49E-07
982	470872.79	3819173.69	4.97E-05	2.09E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.69E-06	2.68E-05	3.20E-06	4.26E-06	1.41E-05	9.69E-07
983	470876.32	3819182.47	5.07E-05	2.13E-04	1.92E-05	4.22E-05	1.56E-04	1.38E-05	4.78E-06	2.74E-05	3.27E-06	4.35E-06	1.43E-05	9.88E-07
984	470879.85	3819191.24	5.16E-05	2.17E-04	1.95E-05	4.30E-05	1.59E-04	1.40E-05	4.88E-06	2.79E-05	3.33E-06	4.43E-06	1.46E-05	1.01E-06
985	470883.38	3819200.01	5.26E-05	2.21E-04	1.99E-05	4.38E-05	1.62E-04	1.43E-05	4.96E-06	2.84E-05	3.39E-06	4.51E-06	1.49E-05	1.03E-06
986	470886.92	3819208.79	5.35E-05	2.25E-04	2.02E-05	4.45E-05	1.65E-04	1.45E-05	5.05E-06	2.89E-05	3.45E-06	4.59E-06	1.51E-05	1.04E-06
987	470890.45	3819217.56	5.43E-05	2.28E-04	2.05E-05	4.52E-05	1.68E-04	1.47E-05	5.13E-06	2.94E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
988	470213.32	3818617.55	3.72E-05	1.56E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.25E-07
989	470203.76	3818617.42	3.75E-05	1.58E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.32E-07
990	470194.2	3818617.28	3.78E-05	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.57E-06	2.04E-05	2.44E-06	3.24E-06	1.07E-05	7.37E-07
991	470184.64	3818617.15	3.80E-05	1.59E-04	1.44E-05	3.16E-05	1.17E-04	1.03E-05	3.59E-06	2.05E-05	2.45E-06	3.26E-06	1.07E-05	7.41E-07
992	470175.08	3818617.01	3.81E-05	1.60E-04	1.44E-05	3.17E-05	1.18E-04	1.03E-05	3.60E-06	2.06E-05	2.46E-06	3.27E-06	1.08E-05	7.43E-07
993	470165.51	3818616.88	3.82E-05	1.60E-04	1.44E-05	3.18E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.46E-06	3.28E-06	1.08E-05	7.45E-07
994	470155.95	3818616.74	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.47E-06	3.29E-06	1.08E-05	7.47E-07
995	470146.39	3818616.61	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.47E-06	3.29E-06	1.08E-05	7.47E-07
996	470136.83	3818616.47	3.82E-05	1.61E-04	1.45E-05	3.18E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.47E-06	3.28E-06	1.08E-05	7.46E-07
997	470127.26	3818616.34	3.81E-05	1.60E-04	1.44E-05	3.18E-05	1.18E-04	1.04E-05	3.60E-06	2.06E-05	2.46E-06	3.27E-06	1.08E-05	7.44E-07
998	470117.7	3818616.2	3.80E-05	1.60E-04	1.44E-05	3.16E-05	1.17E-04	1.03E-05	3.59E-06	2.05E-05	2.45E-06	3.26E-06	1.08E-05	7.41E-07
999	470491.15	3818664.81	2.24E-05	9.41E-05	8.47E-06	1.87E-05	6.91E-05	6.08E-06	2.12E-06	1.21E-05	1.45E-06	1.92E-06	6.34E-06	4.37E-07
1000	470499.88	3818668.55	2.20E-05	9.26E-05	8.34E-06	1.84E-05	6.80E-05	5.98E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.24E-06	4.30E-07
1001	470508.61	3818672.3	2.17E-05	9.12E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.15E-06	4.24E-07
1002	470517.34	3818676.05	2.14E-05	8.98E-05	8.09E-06	1.78E-05	6.60E-05	5.81E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.06E-06	4.17E-07
1003	470526.07	3818679.79	2.11E-05	8.84E-05	7.96E-06	1.75E-05	6.50E-05	5.72E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.96E-06	4.11E-07
1004	470534.8	3818683.54	2.07E-05	8.69E-05	7.83E-06	1.72E-05	6.39E-05	5.62E-06	1.95E-06	1.12E-05	1.34E-06	1.78E-06	5.86E-06	4.04E-07
1005	470543.53	3818687.29	2.04E-05	8.55E-05	7.70E-06	1.70E-05	6.28E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.76E-06	3.97E-07
1006	470552.26	3818691.03	2.00E-05	8.40E-05	7.56E-06	1.67E-05	6.17E-05	5.43E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.66E-06	3.90E-07
1007	470560.99	3818694.78	1.97E-05	8.26E-05	7.44E-06	1.64E-05	6.07E-05	5.34E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.57E-06	3.84E-07
1008	470595.9	3818709.77	1.84E-05	7.71E-05	6.94E-06	1.53E-05	5.66E-05	4.98E-06	1.73E-06	9.92E-06	1.18E-06	1.58E-06	5.19E-06	3.58E-07
1009	470604.63	3818713.51	1.80E-05	7.58E-05	6.82E-06	1.50E-05	5.57E-05	4.90E-06	1.70E-06	9.75E-06	1.16E-06	1.55E-06	5.11E-06	3.52E-07
1010	470700.65	3818754.72	1.53E-05	6.44E-05	5.80E-06	1.28E-05	4.73E-05	4.16E-06	1.45E-06	8.29E-06	9.89E-07	1.32E-06	4.34E-06	2.99E-07
1011	470709.38	3818758.47	1.52E-05	6.37E-05	5.73E-06	1.26E-05	4.68E-05	4.12E-06	1.43E-06	8.20E-06	9.78E-07	1.30E-06	4.29E-06	2.96E-07
1012	470718.11	3818762.22	1.50E-05	6.30E-05	5.67E-06	1.25E-05	4.63E-05	4.07E-06	1.42E-06	8.11E-06	9.68E-07	1.29E-06	4.25E-06	2.93E-07
1013	470726.84	3818765.96	1.49E-05	6.24E-05	5.62E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.03E-06	9.58E-07	1.28E-06	4.20E-06	2.90E-07
1014	470735.57	3818769.71	1.47E-05	6.18E-05	5.57E-06	1.23E-05	4.54E-05	4.00E-06	1.39E-06	7.96E-06	9.49E-07	1.26E-06	4.17E-06	2.87E-07
1015	470744.3	3818773.46	1.46E-05	6.13E-05	5.52E-06	1.22E-05	4.51E-05	3.96E-06	1.38E-06	7.89E-06	9.42E-07	1.25E-06	4.13E-06	2.85E-07
1016	470756.57	3818786.02	1.47E-05	6.18E-05	5.57E-06	1.23E-05	4.54E-05	4.00E-06	1.39E-06	7.96E-06	9.49E-07	1.26E-06	4.17E-06	2.87E-07
1017	470760.12	3818794.83	1.50E-05	6.28E-05	5.66E-06	1.25E-05	4.62E-05	4.06E-06	1.41E-06	8.09E-06	9.65E-07	1.28E-06	4.23E-06	2.92E-07
1018	470763.67	3818803.64	1.52E-05	6.39E-05	5.76E-06	1.27E-05	4.70E-05	4.13E-06	1.44E-06	8.23E-06	9.82E-07	1.31E-06	4.31E-06	2.97E-07

1019	470767.22	3818812.45	1.55E-05	6.51E-05	5.86E-06	1.29E-05	4.78E-05	4.21E-06	1.46E-06	8.38E-06	9.99E-07	1.33E-06	4.39E-06	3.02E-07
1020	470770.76	3818821.26	1.58E-05	6.63E-05	5.97E-06	1.32E-05	4.87E-05	4.29E-06	1.49E-06	8.54E-06	1.02E-06	1.36E-06	4.47E-06	3.08E-07
1021	470774.31	3818830.08	1.61E-05	6.77E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.71E-06	1.04E-06	1.38E-06	4.56E-06	3.14E-07
1022	470777.86	3818838.89	1.64E-05	6.91E-05	6.22E-06	1.37E-05	5.08E-05	4.46E-06	1.55E-06	8.89E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
1023	470781.41	3818847.7	1.68E-05	7.06E-05	6.36E-06	1.40E-05	5.19E-05	4.56E-06	1.59E-06	9.09E-06	1.08E-06	1.44E-06	4.76E-06	3.28E-07
1024	470784.95	3818856.51	1.72E-05	7.22E-05	6.50E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.29E-06	1.11E-06	1.48E-06	4.87E-06	3.35E-07
1025	470788.5	3818865.32	1.76E-05	7.39E-05	6.66E-06	1.47E-05	5.43E-05	4.78E-06	1.66E-06	9.52E-06	1.14E-06	1.51E-06	4.98E-06	3.43E-07
1026	470792.05	3818874.13	1.80E-05	7.57E-05	6.82E-06	1.50E-05	5.56E-05	4.89E-06	1.70E-06	9.75E-06	1.16E-06	1.55E-06	5.10E-06	3.52E-07
1027	470795.6	3818882.95	1.85E-05	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.02E-06	1.74E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.61E-07
1028	470799.14	3818891.76	1.90E-05	7.96E-05	7.17E-06	1.58E-05	5.85E-05	5.15E-06	1.79E-06	1.02E-05	1.22E-06	1.63E-06	5.37E-06	3.70E-07
1029	470866.55	3819059.18	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.90E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.40E-07
1030	470870.09	3819067.99	3.38E-05	1.42E-04	1.28E-05	2.81E-05	1.04E-04	9.16E-06	3.19E-06	1.82E-05	2.18E-06	2.90E-06	9.56E-06	6.59E-07
1031	470873.64	3819076.8	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.42E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.77E-07
1032	470877.19	3819085.62	3.57E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.69E-06	3.37E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.96E-07
1033	470880.74	3819094.43	3.67E-05	1.54E-04	1.39E-05	3.05E-05	1.13E-04	9.95E-06	3.46E-06	1.98E-05	2.36E-06	3.15E-06	1.04E-05	7.15E-07
1034	470884.28	3819103.24	3.76E-05	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.43E-06	3.23E-06	1.06E-05	7.34E-07
1035	470887.83	3819112.05	3.86E-05	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
1036	470891.38	3819120.86	3.96E-05	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.07E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.73E-07
1037	470894.93	3819129.68	4.06E-05	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.92E-07
1038	470898.48	3819138.49	4.15E-05	1.74E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.92E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.11E-07
1039	470902.02	3819147.3	4.25E-05	1.78E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.01E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.29E-07
1040	470905.57	3819156.11	4.34E-05	1.82E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.47E-07
1041	470909.12	3819164.92	4.43E-05	1.86E-04	1.68E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.40E-05	2.86E-06	3.80E-06	1.25E-05	8.65E-07
1042	470912.67	3819173.73	4.52E-05	1.90E-04	1.71E-05	3.76E-05	1.39E-04	1.23E-05	4.27E-06	2.44E-05	2.91E-06	3.88E-06	1.28E-05	8.82E-07
1043	470916.21	3819182.55	4.60E-05	1.93E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.95E-06	1.30E-05	8.98E-07
1044	470919.76	3819191.36	4.69E-05	1.97E-04	1.77E-05	3.90E-05	1.45E-04	1.27E-05	4.43E-06	2.53E-05	3.02E-06	4.02E-06	1.33E-05	9.15E-07
1045	470923.31	3819200.17	4.77E-05	2.00E-04	1.80E-05	3.97E-05	1.47E-04	1.29E-05	4.50E-06	2.58E-05	3.07E-06	4.09E-06	1.35E-05	9.30E-07
1046	470926.86	3819208.98	4.84E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.57E-06	2.62E-05	3.12E-06	4.16E-06	1.37E-05	9.45E-07
1047	470930.4	3819217.79	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.59E-07
1048	470175.64	3818577.02	3.40E-05	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.24E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.63E-06	6.64E-07
1049	470166.08	3818576.88	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.26E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.66E-06	6.66E-07
1050	470156.52	3818576.75	3.42E-05	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.28E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.68E-06	6.67E-07
1051	470146.95	3818576.61	3.42E-05	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.29E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.68E-06	6.67E-07
1052	470137.39	3818576.48	3.48E-05	1.46E-04	1.32E-05	2.90E-05	1.07E-04	9.45E-06	3.29E-06	1.88E-05	2.25E-06	2.99E-06	9.86E-06	6.80E-07
1053	470127.83	3818576.34	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.42E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.77E-07
1054	470118.27	3818576.21	3.45E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.38E-06	3.26E-06	1.87E-05	2.23E-06	2.97E-06	9.78E-06	6.74E-07
1055	470501.24	3818628.9	2.02E-05	8.47E-05	7.63E-06	1.68E-05	6.23E-05	5.48E-06	1.91E-06	1.09E-05	1.30E-06	1.73E-06	5.71E-06	3.94E-07
1056	470510	3818632.66	1.99E-05	8.35E-05	7.52E-06	1.66E-05	6.13E-05	5.39E-06	1.88E-06	1.07E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
1057	470518.77	3818636.42	1.96E-05	8.22E-05	7.40E-06	1.63E-05	6.04E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.54E-06	3.82E-07
1058	470527.53	3818640.18	1.93E-05	8.09E-05	7.28E-06	1.60E-05	5.94E-05	5.23E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.45E-06	3.76E-07
1059	470536.29	3818643.94	1.90E-05	7.97E-05	7.17E-06	1.58E-05	5.85E-05	5.15E-06	1.79E-06	1.03E-05	1.22E-06	1.63E-06	5.37E-06	3.70E-07
1060	470545.05	3818647.7	1.87E-05	7.85E-05	7.07E-06	1.56E-05	5.77E-05	5.08E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.29E-06	3.65E-07
1061	470553.81	3818651.46	1.84E-05	7.73E-05	6.96E-06	1.53E-05	5.68E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
1062	470562.58	3818655.22	1.81E-05	7.61E-05	6.85E-06	1.51E-05	5.59E-05	4.92E-06	1.71E-06	9.79E-06	1.17E-06	1.56E-06	5.13E-06	3.54E-07
1063	470571.34	3818658.98	1.78E-05	7.48E-05	6.74E-06	1.48E-05	5.50E-05	4.84E-06	1.68E-06	9.63E-06	1.15E-06	1.53E-06	5.04E-06	3.48E-07
1064	470580.1	3818662.75	1.75E-05	7.36E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.65E-06	9.47E-06	1.13E-06	1.50E-06	4.96E-06	3.42E-07
1065	470667.72	3818700.35	1.49E-05	6.26E-05	5.64E-06	1.24E-05	4.60E-05	4.05E-06	1.41E-06	8.06E-06	9.61E-07	1.28E-06	4.22E-06	2.91E-07
1066	470676.48	3818704.11	1.47E-05	6.17E-05	5.55E-06	1.22E-05	4.53E-05	3.99E-06	1.39E-06	7.94E-06	9.47E-07	1.26E-06	4.16E-06	2.86E-07
1067	470685.25	3818707.87	1.45E-05	6.08E-05	5.47E-06	1.21E-05	4.47E-05	3.93E-06	1.37E-06	7.82E-06	9.33E-07	1.24E-06	4.10E-06	2.82E-07
1068	470694.01	3818711.64	1.43E-05	5.99E-05	5.40E-06	1.19E-05	4.40E-05	3.87E-06	1.35E-06	7.72E-06	9.21E-07	1.23E-06	4.04E-06	2.79E-07
1069	470702.77	3818715.4	1.41E-05	5.91E-05	5.33E-06	1.17E-05	4.35E-05	3.82E-06	1.33E-06	7.61E-06	9.08E-07	1.21E-06	3.99E-06	2.75E-07
1070	470711.53	3818719.16	1.39E-05	5.84E-05	5.26E-06	1.16E-05	4.29E-05	3.77E-06	1.31E-06	7.52E-06	8.97E-07	1.19E-06	3.94E-06	2.71E-07
1071	470720.29	3818722.92	1.37E-05	5.77E-05	5.19E-06	1.14E-05	4.24E-05	3.73E-06	1.30E-06	7.42E-06	8.86E-07	1.18E-06	3.89E-06	2.68E-07
1072	470729.06	3818726.68	1.36E-05	5.70E-05	5.14E-06	1.13E-05	4.19E-05	3.69E-06	1.28E-06	7.34E-06	8.76E-07	1.17E-06	3.84E-06	2.65E-07
1073	470737.82	3818730.44	1.34E-05	5.64E-05	5.08E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.26E-06	8.67E-07	1.15E-06	3.80E-06	2.62E-07
1074	470746.58	3818734.2	1.33E-05	5.59E-05	5.03E-06	1.11E-05	4.10E-05	3.61E-06	1.26E-06	7.19E-06	8.58E-07	1.14E-06	3.77E-06	2.60E-07
1075	470755.34	3818737.96	1.32E-05	5.54E-05	4.98E-06	1.10E-05	4.07E-05	3.58E-06	1.24E-06	7.13E-06	8.50E-07	1.13E-06	3.73E-06	2.57E-07
1076	470764.1	3818741.72	1.31E-05	5.49E-05	4.94E-06	1.09E-05	4.03E-05	3.55E-06	1.23E-06	7.07E-06	8.43E-07	1.12E-06	3.70E-06	2.55E-07
1077	470772.87	3818745.48	1.30E-05	5.44E-05	4.90E-06	1.08E-05	4.00E-05	3.52E-06	1.22E-06	7.01E-06	8.36E-07	1.11E-06	3.67E-06	2.53E-07
1078	470785.19	3818758.09	1.31E-05	5.49E-05	4.94E-06	1.09E-05	4.03E-05	3.55E-06	1.23E-06	7.06E-06	8.43E-07	1.12E-06	3.70E-06	2.55E-07
1079	470788.75	3818766.93	1.33E-05	5.57E-05	5.02E-06	1.11E-05	4.09E-05	3.60E-06	1.25E-06	7.17E-06	8.56E-07	1.14E-06	3.76E-06	2.59E-07
1080	470792.31	3818775.78	1.35E-05	5.66E-05	5.10E-06	1.12E-05	4.16E-05	3.66E-06	1.27E-06	7.29E-06	8.70E-07	1.16E-06	3.82E-06	2.63E-07
1081	470795.87	3818784.62	1.37E-05	5.76E-05	5.19E-06	1.14E-05	4.23E-05	3.72E-06	1.30E-06	7.42E-06	8.85E-07	1.18E-06	3.88E-06	2.68E-07
1082	470799.43	3818793.47	1.40E-05	5.87E-05	5.28E-06	1.16E-05	4.31E-05	3.79E-06	1.32E-06	7.55E-06	9.01E-07	1.20E-06	3.95E-06	2.73E-07
1083	470802.99	3818802.31	1.42E-05	5.98E-05	5.38E-06	1.19E-05	4.39E-05	3.86E-06	1.34E-06	7.70E-06	9.18E-07	1.22E-06	4.03E-06	2.78E-07
1084	470806.56	3818811.16	1.45E-05	6.10E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.85E-06	9.36E-07	1.25E-06	4.11E-06	2.83E-07
1085	470810.12	3818820	1.48E-05	6.22E-05	5.60E-06	1.23E-05	4.57E-05	4.02E-06	1.40E-06	8.01E-06	9.56E-07	1.27E-06	4.19E-06	2.89E-07
1086	470813.68	3818828.85	1.51E-05	6.36E-05	5.72E-06	1.26E-05	4.67E-05	4.11E-06	1.43E-06	8.18E-06	9.76E-07	1.30E-06	4.28E-06	2.95E-07
1087	470817.24	3818837.69	1.55E-05	6.50E-05	5.85E-06	1.29E-05	4.77E-05	4.20E-06	1.46E-06	8.36E-06	9.98E-07	1.33E-06	4.38E-06	3.02E-07
1088	470820.8	3818846.54	1.58E-05	6.65E-05	5.99E-06	1.32E-05	4.88E-05	4.30E-06	1.49E-06	8.56E-06	1.02E-06	1.36E-06	4.48E-06	3.09E-07
1089	470824.36	3818855.38	1.62E-05	6.80E-05	6.13E-06	1.35E-05	5.00E-05	4.40E-06	1.53E-06	8.76E-06	1.05E-06	1.39E-06	4.59E-06	3.16E-07
1090	470827.92	3818864.23	1.66E-05	6.97E-05	6.28E-06	1.38E-05	5.12E-05	4.51E-06	1.57E-06	8.97E-06	1.07E-06	1.42E-06	4.70E-06	3.24E-07
1091	470831.48	3818873.08	1.70E-05	7.15E-05	6.43E-06	1.42E-05	5.25E-05	4.62E-06	1.61E-06	9.20E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07

1092	470835.04	3818881.92	1.75E-05	7.33E-05	6.60E-06	1.45E-05	5.39E-05	4.74E-06	1.65E-06	9.43E-06	1.13E-06	1.50E-06	4.94E-06	3.41E-07
1093	470838.6	3818890.77	1.79E-05	7.52E-05	6.78E-06	1.49E-05	5.53E-05	4.86E-06	1.69E-06	9.68E-06	1.16E-06	1.54E-06	5.07E-06	3.50E-07
1094	470842.17	3818899.61	1.84E-05	7.72E-05	6.96E-06	1.53E-05	5.68E-05	4.99E-06	1.74E-06	9.94E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
1095	470845.73	3818908.46	1.89E-05	7.93E-05	7.14E-06	1.57E-05	5.83E-05	5.13E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.35E-06	3.69E-07
1096	470849.29	3818917.3	1.94E-05	8.15E-05	7.34E-06	1.62E-05	5.99E-05	5.27E-06	1.83E-06	1.05E-05	1.25E-06	1.67E-06	5.49E-06	3.79E-07
1097	470852.85	3818926.15	2.00E-05	8.38E-05	7.55E-06	1.66E-05	6.16E-05	5.42E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.65E-06	3.89E-07
1098	470856.41	3818934.99	2.05E-05	8.62E-05	7.76E-06	1.71E-05	6.33E-05	5.57E-06	1.94E-06	1.11E-05	1.32E-06	1.76E-06	5.81E-06	4.00E-07
1099	470859.97	3818943.84	2.11E-05	8.86E-05	7.98E-06	1.76E-05	6.51E-05	5.73E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.97E-06	4.12E-07
1100	470863.53	3818952.68	2.17E-05	9.12E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.15E-06	4.24E-07
1101	470867.09	3818961.53	2.23E-05	9.38E-05	8.45E-06	1.86E-05	6.89E-05	6.06E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.32E-06	4.36E-07
1102	470870.65	3818970.37	2.30E-05	9.66E-05	8.70E-06	1.92E-05	7.10E-05	6.24E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.51E-06	4.49E-07
1103	470874.21	3818979.22	2.37E-05	9.94E-05	8.95E-06	1.97E-05	7.30E-05	6.42E-06	2.24E-06	1.28E-05	1.53E-06	2.03E-06	6.70E-06	4.62E-07
1104	470877.78	3818988.06	2.44E-05	1.02E-04	9.21E-06	2.03E-05	7.52E-05	6.61E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.90E-06	4.75E-07
1105	470881.34	3818996.91	2.51E-05	1.05E-04	9.48E-06	2.09E-05	7.74E-05	6.81E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.89E-07
1106	470945.43	3819156.12	3.98E-05	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.41E-06	1.13E-05	7.76E-07
1107	470949	3819164.97	4.05E-05	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.91E-07
1108	470952.56	3819173.81	4.13E-05	1.73E-04	1.56E-05	3.44E-05	1.27E-04	1.12E-05	3.90E-06	2.23E-05	2.66E-06	3.55E-06	1.17E-05	8.06E-07
1109	470956.12	3819182.66	4.20E-05	1.77E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.97E-06	2.27E-05	2.71E-06	3.61E-06	1.19E-05	8.20E-07
1110	470959.68	3819191.5	4.27E-05	1.79E-04	1.62E-05	3.56E-05	1.32E-04	1.16E-05	4.04E-06	2.31E-05	2.76E-06	3.67E-06	1.21E-05	8.34E-07
1111	470963.24	3819200.35	4.34E-05	1.82E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.47E-07
1112	470966.8	3819209.19	4.40E-05	1.85E-04	1.67E-05	3.67E-05	1.36E-04	1.20E-05	4.16E-06	2.38E-05	2.84E-06	3.78E-06	1.25E-05	8.59E-07
1113	470970.36	3819218.04	4.47E-05	1.88E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.22E-06	2.41E-05	2.88E-06	3.83E-06	1.26E-05	8.71E-07
1114	470157.08	3818536.75	3.07E-05	1.29E-04	1.16E-05	2.56E-05	9.48E-05	8.34E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.70E-06	6.00E-07
1115	470147.52	3818536.61	3.08E-05	1.29E-04	1.16E-05	2.56E-05	9.49E-05	8.35E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.71E-06	6.00E-07
1116	470137.96	3818536.48	3.14E-05	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.51E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
1117	470128.39	3818536.34	3.13E-05	1.31E-04	1.18E-05	2.61E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.69E-06	8.85E-06	6.10E-07
1118	470118.83	3818536.21	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.61E-05	8.46E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.82E-06	6.08E-07
1119	470543.76	3818566.67	1.61E-05	6.75E-05	6.08E-06	1.34E-05	4.96E-05	4.36E-06	1.52E-06	8.69E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
1120	470552.44	3818570.4	1.58E-05	6.65E-05	5.99E-06	1.32E-05	4.89E-05	4.30E-06	1.50E-06	8.57E-06	1.02E-06	1.36E-06	4.49E-06	3.09E-07
1121	470561.12	3818574.12	1.56E-05	6.56E-05	5.91E-06	1.30E-05	4.82E-05	4.24E-06	1.48E-06	8.44E-06	1.01E-06	1.34E-06	4.42E-06	3.05E-07
1122	470569.8	3818577.85	1.54E-05	6.47E-05	5.82E-06	1.28E-05	4.75E-05	4.18E-06	1.45E-06	8.32E-06	9.93E-07	1.32E-06	4.36E-06	3.00E-07
1123	470578.48	3818581.57	1.52E-05	6.37E-05	5.74E-06	1.26E-05	4.68E-05	4.12E-06	1.43E-06	8.20E-06	9.79E-07	1.30E-06	4.29E-06	2.96E-07
1124	470587.15	3818585.3	1.50E-05	6.28E-05	5.65E-06	1.25E-05	4.61E-05	4.06E-06	1.41E-06	8.08E-06	9.64E-07	1.28E-06	4.23E-06	2.92E-07
1125	470595.83	3818589.02	1.47E-05	6.19E-05	5.57E-06	1.23E-05	4.55E-05	4.00E-06	1.39E-06	7.96E-06	9.50E-07	1.26E-06	4.17E-06	2.87E-07
1126	470604.51	3818592.75	1.45E-05	6.09E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.84E-06	9.36E-07	1.25E-06	4.11E-06	2.83E-07
1127	470613.19	3818596.47	1.43E-05	6.00E-05	5.41E-06	1.19E-05	4.41E-05	3.88E-06	1.35E-06	7.73E-06	9.22E-07	1.23E-06	4.05E-06	2.79E-07
1128	470621.87	3818600.2	1.41E-05	5.91E-05	5.32E-06	1.17E-05	4.34E-05	3.82E-06	1.33E-06	7.61E-06	9.08E-07	1.21E-06	3.98E-06	2.75E-07
1129	470673.94	3818622.55	1.28E-05	5.40E-05	4.86E-06	1.07E-05	3.97E-05	3.49E-06	1.21E-06	6.95E-06	8.29E-07	1.10E-06	3.64E-06	2.51E-07
1130	470682.62	3818626.27	1.27E-05	5.32E-05	4.79E-06	1.05E-05	3.91E-05	3.44E-06	1.20E-06	6.84E-06	8.16E-07	1.09E-06	3.58E-06	2.47E-07
1131	470691.3	3818630	1.25E-05	5.24E-05	4.72E-06	1.04E-05	3.85E-05	3.38E-06	1.18E-06	6.74E-06	8.04E-07	1.07E-06	3.53E-06	2.43E-07
1132	470699.98	3818633.72	1.23E-05	5.16E-05	4.65E-06	1.02E-05	3.79E-05	3.34E-06	1.16E-06	6.64E-06	7.92E-07	1.05E-06	3.48E-06	2.40E-07
1133	470708.66	3818637.45	1.21E-05	5.09E-05	4.58E-06	1.01E-05	3.74E-05	3.29E-06	1.14E-06	6.55E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
1134	470717.33	3818641.17	1.19E-05	5.02E-05	4.52E-06	9.95E-06	3.69E-05	3.24E-06	1.13E-06	6.46E-06	7.70E-07	1.03E-06	3.38E-06	2.33E-07
1135	470726.01	3818644.9	1.18E-05	4.95E-05	4.46E-06	9.81E-06	3.64E-05	3.20E-06	1.11E-06	6.37E-06	7.60E-07	1.01E-06	3.33E-06	2.30E-07
1136	470734.69	3818648.62	1.16E-05	4.88E-05	4.40E-06	9.68E-06	3.59E-05	3.16E-06	1.10E-06	6.29E-06	7.50E-07	9.98E-07	3.29E-06	2.27E-07
1137	470743.37	3818652.35	1.15E-05	4.82E-05	4.34E-06	9.56E-06	3.54E-05	3.12E-06	1.08E-06	6.21E-06	7.41E-07	9.86E-07	3.25E-06	2.24E-07
1138	470752.05	3818656.07	1.13E-05	4.76E-05	4.29E-06	9.44E-06	3.50E-05	3.08E-06	1.07E-06	6.13E-06	7.31E-07	9.73E-07	3.21E-06	2.21E-07
1139	470760.73	3818659.8	1.12E-05	4.71E-05	4.24E-06	9.33E-06	3.46E-05	3.04E-06	1.06E-06	6.06E-06	7.23E-07	9.62E-07	3.17E-06	2.19E-07
1140	470769.41	3818663.52	1.11E-05	4.65E-05	4.19E-06	9.23E-06	3.42E-05	3.01E-06	1.05E-06	5.99E-06	7.15E-07	9.51E-07	3.14E-06	2.16E-07
1141	470778.08	3818667.25	1.10E-05	4.60E-05	4.14E-06	9.13E-06	3.38E-05	2.97E-06	1.03E-06	5.92E-06	7.07E-07	9.41E-07	3.10E-06	2.14E-07
1142	470786.76	3818670.97	1.08E-05	4.56E-05	4.10E-06	9.04E-06	3.35E-05	2.94E-06	1.02E-06	5.86E-06	7.00E-07	9.31E-07	3.07E-06	2.12E-07
1143	470795.44	3818674.69	1.07E-05	4.51E-05	4.06E-06	8.95E-06	3.32E-05	2.92E-06	1.01E-06	5.81E-06	6.93E-07	9.23E-07	3.04E-06	2.10E-07
1144	470804.12	3818678.42	1.07E-05	4.47E-05	4.03E-06	8.87E-06	3.29E-05	2.89E-06	1.01E-06	5.76E-06	6.87E-07	9.14E-07	3.01E-06	2.08E-07
1145	470812.8	3818682.14	1.06E-05	4.44E-05	4.00E-06	8.80E-06	3.26E-05	2.87E-06	9.98E-07	5.71E-06	6.81E-07	9.07E-07	2.99E-06	2.06E-07
1146	470821.48	3818685.87	1.05E-05	4.40E-05	3.96E-06	8.73E-06	3.23E-05	2.85E-06	9.90E-07	5.67E-06	6.76E-07	9.00E-07	2.97E-06	2.05E-07
1147	470830.16	3818689.59	1.04E-05	4.37E-05	3.94E-06	8.67E-06	3.21E-05	2.83E-06	9.83E-07	5.63E-06	6.71E-07	8.94E-07	2.95E-06	2.03E-07
1148	470842.36	3818702.08	1.05E-05	4.40E-05	3.96E-06	8.73E-06	3.23E-05	2.85E-06	9.90E-07	5.67E-06	6.76E-07	9.00E-07	2.97E-06	2.05E-07
1149	470845.89	3818710.84	1.06E-05	4.46E-05	4.02E-06	8.85E-06	3.28E-05	2.88E-06	1.00E-06	5.74E-06	6.85E-07	9.12E-07	3.01E-06	2.07E-07
1150	470849.42	3818719.6	1.08E-05	4.53E-05	4.08E-06	8.98E-06	3.33E-05	2.93E-06	1.02E-06	5.83E-06	6.96E-07	9.26E-07	3.05E-06	2.10E-07
1151	470852.94	3818728.36	1.09E-05	4.60E-05	4.14E-06	9.12E-06	3.38E-05	2.97E-06	1.03E-06	5.92E-06	7.06E-07	9.40E-07	3.10E-06	2.14E-07
1152	470856.47	3818737.12	1.11E-05	4.67E-05	4.21E-06	9.27E-06	3.43E-05	3.02E-06	1.05E-06	6.02E-06	7.18E-07	9.55E-07	3.15E-06	2.17E-07
1153	470860	3818745.89	1.13E-05	4.75E-05	4.28E-06	9.42E-06	3.49E-05	3.07E-06	1.07E-06	6.12E-06	7.30E-07	9.71E-07	3.20E-06	2.21E-07
1154	470863.52	3818754.65	1.15E-05	4.83E-05	4.35E-06	9.59E-06	3.55E-05	3.12E-06	1.09E-06	6.22E-06	7.43E-07	9.88E-07	3.26E-06	2.25E-07
1155	470867.05	3818763.41	1.17E-05	4.92E-05	4.43E-06	9.76E-06	3.62E-05	3.18E-06	1.11E-06	6.34E-06	7.56E-07	1.01E-06	3.32E-06	2.29E-07
1156	470870.58	3818772.17	1.19E-05	5.02E-05	4.52E-06	9.95E-06	3.69E-05	3.24E-06	1.13E-06	6.46E-06	7.70E-07	1.03E-06	3.38E-06	2.33E-07
1157	470874.11	3818780.93	1.22E-05	5.11E-05	4.60E-06	1.01E-05	3.76E-05	3.31E-06	1.15E-06	6.58E-06	7.85E-07	1.05E-06	3.45E-06	2.38E-07
1158	470877.63	3818789.69	1.24E-05	5.22E-05	4.70E-06	1.04E-05	3.83E-05	3.37E-06	1.17E-06	6.72E-06	8.01E-07	1.07E-06	3.52E-06	2.42E-07
1159	470881.16	3818798.45	1.27E-05	5.33E-05	4.80E-06	1.06E-05	3.91E-05	3.44E-06	1.20E-06	6.86E-06	8.18E-07	1.09E-06	3.59E-06	2.48E-07
1160	470884.69	3818807.21	1.30E-05	5.44E-05	4.90E-06	1.08E-05	4.00E-05	3.52E-06	1.22E-06	7.01E-06	8.36E-07	1.11E-06	3.67E-06	2.53E-07
1161	470888.21	3818815.97	1.32E-05	5.56E-05	5.01E-06	1.10E-05	4.09E-05	3.60E-06	1.25E-06	7.16E-06	8.55E-07	1.14E-06	3.75E-06	2.59E-07
1162	470891.74	3818824.73	1.35E-05	5.69E-05	5.12E-06	1.13E-05	4.18E-05	3.68E-06	1.28E-06	7.32E-06	8.74E-07	1.16E-06	3.83E-06	2.64E-07
1163	470895.27	3818833.49	1.39E-05	5.82E-05	5.24E-06	1.15E-05	4.28E-05	3.76E-06	1.31E-06	7.49E-06	8.94E-07	1.19E-06	3.92E-06	2.70E-07
1164	470898.8	3818842.26	1.42E-05	5.96E-05	5.37E-06	1.18E-05	4.38E-05	3.85E-06	1.34E-06	7.67E-06	9.15E-07	1.22E-06	4.02E-06	2.77E-07

1165	470902.32	3818851.02	1.45E-05	6.10E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.85E-06	9.37E-07	1.25E-06	4.11E-06	2.83E-07
1166	470905.85	3818859.78	1.49E-05	6.25E-05	5.63E-06	1.24E-05	4.59E-05	4.04E-06	1.41E-06	8.04E-06	9.60E-07	1.28E-06	4.21E-06	2.90E-07
1167	470909.38	3818868.54	1.52E-05	6.40E-05	5.77E-06	1.27E-05	4.71E-05	4.14E-06	1.44E-06	8.24E-06	9.84E-07	1.31E-06	4.32E-06	2.98E-07
1168	470912.9	3818877.3	1.56E-05	6.56E-05	5.91E-06	1.30E-05	4.82E-05	4.24E-06	1.48E-06	8.45E-06	1.01E-06	1.34E-06	4.42E-06	3.05E-07
1169	470916.43	3818886.06	1.60E-05	6.73E-05	6.06E-06	1.34E-05	4.95E-05	4.35E-06	1.51E-06	8.67E-06	1.03E-06	1.38E-06	4.54E-06	3.13E-07
1170	470919.96	3818894.82	1.64E-05	6.91E-05	6.22E-06	1.37E-05	5.07E-05	4.46E-06	1.55E-06	8.89E-06	1.06E-06	1.41E-06	4.65E-06	3.21E-07
1171	470923.49	3818903.58	1.69E-05	7.08E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
1172	470927.01	3818912.34	1.73E-05	7.27E-05	6.55E-06	1.44E-05	5.34E-05	4.70E-06	1.63E-06	9.36E-06	1.12E-06	1.49E-06	4.90E-06	3.38E-07
1173	470930.54	3818921.1	1.78E-05	7.46E-05	6.72E-06	1.48E-05	5.48E-05	4.82E-06	1.68E-06	9.61E-06	1.15E-06	1.53E-06	5.03E-06	3.47E-07
1174	470934.07	3818929.86	1.82E-05	7.66E-05	6.90E-06	1.52E-05	5.63E-05	4.95E-06	1.72E-06	9.86E-06	1.18E-06	1.57E-06	5.16E-06	3.56E-07
1175	470937.59	3818938.63	1.87E-05	7.87E-05	7.08E-06	1.56E-05	5.78E-05	5.09E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.30E-06	3.66E-07
1176	470941.12	3818947.39	1.92E-05	8.08E-05	7.27E-06	1.60E-05	5.93E-05	5.22E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.44E-06	3.75E-07
1177	470944.65	3818956.15	1.97E-05	8.29E-05	7.47E-06	1.64E-05	6.09E-05	5.36E-06	1.86E-06	1.07E-05	1.27E-06	1.70E-06	5.59E-06	3.85E-07
1178	470948.17	3818964.91	2.03E-05	8.52E-05	7.67E-06	1.69E-05	6.26E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.74E-06	3.96E-07
1179	470951.7	3818973.67	2.08E-05	8.75E-05	7.88E-06	1.73E-05	6.43E-05	5.65E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
1180	470955.23	3818982.43	2.14E-05	8.98E-05	8.09E-06	1.78E-05	6.60E-05	5.81E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.05E-06	4.17E-07
1181	470958.76	3818991.19	2.20E-05	9.22E-05	8.31E-06	1.83E-05	6.78E-05	5.96E-06	2.07E-06	1.19E-05	1.42E-06	1.89E-06	6.22E-06	4.29E-07
1182	470962.28	3818999.95	2.25E-05	9.47E-05	8.53E-06	1.88E-05	6.96E-05	6.12E-06	2.13E-06	1.22E-05	1.45E-06	1.94E-06	6.38E-06	4.40E-07
1183	470965.81	3819008.71	2.31E-05	9.72E-05	8.75E-06	1.93E-05	7.14E-05	6.28E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.55E-06	4.52E-07
1184	470969.34	3819017.47	2.38E-05	9.98E-05	8.98E-06	1.98E-05	7.33E-05	6.45E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.72E-06	4.64E-07
1185	470972.86	3819026.23	2.44E-05	1.02E-04	9.22E-06	2.03E-05	7.52E-05	6.62E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.90E-06	4.76E-07
1186	470976.39	3819035	2.50E-05	1.05E-04	9.45E-06	2.08E-05	7.71E-05	6.79E-06	2.36E-06	1.35E-05	1.61E-06	2.15E-06	7.08E-06	4.88E-07
1187	470979.92	3819043.76	2.56E-05	1.08E-04	9.69E-06	2.13E-05	7.91E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.25E-06	5.00E-07
1188	470983.45	3819052.52	2.63E-05	1.10E-04	9.93E-06	2.19E-05	8.10E-05	7.13E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.43E-06	5.12E-07
1189	470986.97	3819061.28	2.69E-05	1.13E-04	1.02E-05	2.24E-05	8.30E-05	7.30E-06	2.54E-06	1.45E-05	1.74E-06	2.31E-06	7.62E-06	5.25E-07
1190	470990.5	3819070.04	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.50E-05	7.48E-06	2.60E-06	1.49E-05	1.78E-06	2.37E-06	7.80E-06	5.38E-07
1191	470994.03	3819078.8	2.82E-05	1.18E-04	1.07E-05	2.35E-05	8.70E-05	7.66E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
1192	470997.55	3819087.56	2.89E-05	1.21E-04	1.09E-05	2.40E-05	8.91E-05	7.83E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.17E-06	5.63E-07
1193	471001.08	3819096.32	2.95E-05	1.24E-04	1.12E-05	2.46E-05	9.11E-05	8.01E-06	2.79E-06	1.60E-05	1.90E-06	2.53E-06	8.35E-06	5.76E-07
1194	471004.61	3819105.08	3.02E-05	1.27E-04	1.14E-05	2.51E-05	9.30E-05	8.18E-06	2.85E-06	1.63E-05	1.94E-06	2.59E-06	8.54E-06	5.88E-07
1195	471008.14	3819113.84	3.08E-05	1.29E-04	1.16E-05	2.56E-05	9.50E-05	8.36E-06	2.91E-06	1.66E-05	1.99E-06	2.64E-06	8.71E-06	6.01E-07
1196	471011.66	3819122.6	3.14E-05	1.32E-04	1.19E-05	2.62E-05	9.69E-05	8.53E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.89E-06	6.13E-07
1197	471015.19	3819131.37	3.20E-05	1.35E-04	1.21E-05	2.67E-05	9.89E-05	8.70E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.07E-06	6.25E-07
1198	471018.72	3819140.13	3.26E-05	1.37E-04	1.23E-05	2.72E-05	1.01E-04	8.86E-06	3.08E-06	1.76E-05	2.11E-06	2.80E-06	9.24E-06	6.37E-07
1199	471022.24	3819148.89	3.32E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.02E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.41E-06	6.49E-07
1200	471025.77	3819157.65	3.38E-05	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.18E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.57E-06	6.60E-07
1201	471029.3	3819166.41	3.44E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.33E-06	3.25E-06	1.86E-05	2.22E-06	2.95E-06	9.73E-06	6.71E-07
1202	470581.52	3818502.4	1.31E-05	5.51E-05	4.96E-06	1.09E-05	4.05E-05	3.56E-06	1.24E-06	7.10E-06	8.47E-07	1.13E-06	3.72E-06	2.56E-07
1203	470590.26	3818506.15	1.30E-05	5.44E-05	4.90E-06	1.08E-05	4.00E-05	3.52E-06	1.22E-06	7.00E-06	8.36E-07	1.11E-06	3.67E-06	2.53E-07
1204	470598.99	3818509.9	1.28E-05	5.37E-05	4.84E-06	1.07E-05	3.95E-05	3.47E-06	1.21E-06	6.91E-06	8.25E-07	1.10E-06	3.62E-06	2.49E-07
1205	470607.73	3818513.65	1.26E-05	5.30E-05	4.77E-06	1.05E-05	3.89E-05	3.42E-06	1.19E-06	6.82E-06	8.14E-07	1.08E-06	3.57E-06	2.46E-07
1206	470616.47	3818517.4	1.24E-05	5.23E-05	4.71E-06	1.04E-05	3.84E-05	3.38E-06	1.18E-06	6.73E-06	8.03E-07	1.07E-06	3.52E-06	2.43E-07
1207	470625.2	3818521.15	1.23E-05	5.16E-05	4.64E-06	1.02E-05	3.79E-05	3.33E-06	1.16E-06	6.64E-06	7.92E-07	1.05E-06	3.48E-06	2.40E-07
1208	470633.94	3818524.9	1.21E-05	5.08E-05	4.58E-06	1.01E-05	3.73E-05	3.29E-06	1.14E-06	6.54E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
1209	470642.68	3818528.65	1.19E-05	5.01E-05	4.51E-06	9.94E-06	3.68E-05	3.24E-06	1.13E-06	6.45E-06	7.70E-07	1.02E-06	3.38E-06	2.33E-07
1210	470651.41	3818532.4	1.18E-05	4.94E-05	4.45E-06	9.80E-06	3.63E-05	3.19E-06	1.11E-06	6.36E-06	7.59E-07	1.01E-06	3.33E-06	2.30E-07
1211	470660.15	3818536.15	1.16E-05	4.87E-05	4.39E-06	9.66E-06	3.58E-05	3.15E-06	1.10E-06	6.27E-06	7.48E-07	9.96E-07	3.28E-06	2.26E-07
1212	470668.89	3818539.9	1.14E-05	4.80E-05	4.33E-06	9.53E-06	3.53E-05	3.11E-06	1.08E-06	6.18E-06	7.38E-07	9.82E-07	3.24E-06	2.23E-07
1213	470677.62	3818543.65	1.13E-05	4.74E-05	4.26E-06	9.39E-06	3.48E-05	3.06E-06	1.06E-06	6.10E-06	7.27E-07	9.68E-07	3.19E-06	2.20E-07
1214	470686.36	3818547.4	1.11E-05	4.67E-05	4.20E-06	9.26E-06	3.43E-05	3.02E-06	1.05E-06	6.01E-06	7.17E-07	9.54E-07	3.15E-06	2.17E-07
1215	470695.1	3818551.15	1.10E-05	4.60E-05	4.14E-06	9.12E-06	3.38E-05	2.97E-06	1.03E-06	5.92E-06	7.07E-07	9.40E-07	3.10E-06	2.14E-07
1216	470703.83	3818554.9	1.08E-05	4.54E-05	4.08E-06	9.00E-06	3.33E-05	2.93E-06	1.02E-06	5.84E-06	6.97E-07	9.27E-07	3.06E-06	2.11E-07
1217	470756.25	3818577.4	9.92E-06	4.17E-05	3.75E-06	8.27E-06	3.06E-05	2.69E-06	9.37E-07	5.37E-06	6.40E-07	8.52E-07	2.81E-06	1.94E-07
1218	470764.99	3818581.15	9.79E-06	4.11E-05	3.70E-06	8.16E-06	3.02E-05	2.66E-06	9.25E-07	5.29E-06	6.32E-07	8.41E-07	2.77E-06	1.91E-07
1219	470773.73	3818584.9	9.67E-06	4.06E-05	3.66E-06	8.05E-06	2.98E-05	2.62E-06	9.13E-07	5.23E-06	6.24E-07	8.30E-07	2.74E-06	1.89E-07
1220	470782.46	3818588.65	9.55E-06	4.01E-05	3.61E-06	7.95E-06	2.95E-05	2.59E-06	9.02E-07	5.16E-06	6.16E-07	8.20E-07	2.70E-06	1.86E-07
1221	470791.2	3818592.4	9.43E-06	3.96E-05	3.57E-06	7.86E-06	2.91E-05	2.56E-06	8.91E-07	5.10E-06	6.08E-07	8.10E-07	2.67E-06	1.84E-07
1222	470799.94	3818596.15	9.32E-06	3.91E-05	3.52E-06	7.76E-06	2.88E-05	2.53E-06	8.80E-07	5.04E-06	6.01E-07	8.00E-07	2.64E-06	1.82E-07
1223	470808.68	3818599.9	9.21E-06	3.87E-05	3.48E-06	7.67E-06	2.84E-05	2.50E-06	8.70E-07	4.98E-06	5.94E-07	7.91E-07	2.61E-06	1.80E-07
1224	470817.41	3818603.65	9.11E-06	3.83E-05	3.45E-06	7.59E-06	2.81E-05	2.47E-06	8.60E-07	4.93E-06	5.88E-07	7.82E-07	2.58E-06	1.78E-07
1225	470826.15	3818607.4	9.02E-06	3.79E-05	3.41E-06	7.51E-06	2.78E-05	2.45E-06	8.52E-07	4.88E-06	5.82E-07	7.74E-07	2.55E-06	1.76E-07
1226	470834.89	3818611.15	8.93E-06	3.75E-05	3.38E-06	7.44E-06	2.76E-05	2.42E-06	8.43E-07	4.83E-06	5.76E-07	7.66E-07	2.53E-06	1.74E-07
1227	470843.62	3818614.9	8.85E-06	3.72E-05	3.35E-06	7.37E-06	2.73E-05	2.40E-06	8.35E-07	4.78E-06	5.71E-07	7.59E-07	2.50E-06	1.73E-07
1228	470852.36	3818618.65	8.76E-06	3.68E-05	3.31E-06	7.30E-06	2.70E-05	2.38E-06	8.28E-07	4.74E-06	5.65E-07	7.52E-07	2.48E-06	1.71E-07
1229	470861.1	3818622.4	8.69E-06	3.65E-05	3.29E-06	7.24E-06	2.68E-05	2.36E-06	8.21E-07	4.70E-06	5.61E-07	7.46E-07	2.46E-06	1.70E-07
1230	470869.83	3818626.15	8.63E-06	3.62E-05	3.26E-06	7.19E-06	2.66E-05	2.34E-06	8.15E-07	4.67E-06	5.57E-07	7.41E-07	2.44E-06	1.68E-07
1231	470878.57	3818629.9	8.57E-06	3.60E-05	3.24E-06	7.14E-06	2.64E-05	2.33E-06	8.09E-07	4.63E-06	5.53E-07	7.36E-07	2.43E-06	1.67E-07
1232	470887.31	3818633.65	8.51E-06	3.58E-05	3.22E-06	7.09E-06	2.63E-05	2.31E-06	8.04E-07	4.60E-06	5.49E-07	7.31E-07	2.41E-06	1.66E-07
1233	470899.59	3818646.22	8.57E-06	3.60E-05	3.24E-06	7.14E-06	2.64E-05	2.33E-06	8.09E-07	4.63E-06	5.53E-07	7.36E-07	2.43E-06	1.67E-07
1234	470903.14	3818655.04	8.68E-06	3.64E-05	3.28E-06	7.23E-06	2.68E-05	2.36E-06	8.20E-07	4.69E-06	5.60E-07	7.45E-07	2.46E-06	1.69E-07
1235	470906.69	3818663.86	8.79E-06	3.69E-05	3.33E-06	7.32E-06	2.71E-05	2.39E-06	8.30E-07	4.75E-06	5.67E-07	7.55E-07	2.49E-06	1.72E-07
1236	470910.24	3818672.67	8.92E-06	3.75E-05	3.37E-06	7.43E-06	2.75E-05	2.42E-06	8.43E-07	4.82E-06	5.76E-07	7.66E-07	2.53E-06	1.74E-07
1237	470913.8	3818681.49	9.05E-06	3.80E-05	3.42E-06	7.54E-06	2.79E-05	2.46E-06	8.55E-07	4.89E-06	5.84E-07	7.77E-07	2.56E-06	1.77E-07

1238	470917.35	3818690.31	9.20E-06	3.86E-05	3.48E-06	7.66E-06	2.84E-05	2.50E-06	8.69E-07	4.97E-06	5.93E-07	7.90E-07	2.60E-06	1.79E-07
1239	470920.9	3818699.13	9.35E-06	3.93E-05	3.53E-06	7.79E-06	2.88E-05	2.54E-06	8.83E-07	5.05E-06	6.03E-07	8.02E-07	2.65E-06	1.82E-07
1240	470924.45	3818707.95	9.51E-06	3.99E-05	3.60E-06	7.92E-06	2.93E-05	2.58E-06	8.98E-07	5.14E-06	6.13E-07	8.16E-07	2.69E-06	1.85E-07
1241	470928	3818716.77	9.67E-06	4.06E-05	3.66E-06	8.05E-06	2.98E-05	2.62E-06	9.13E-07	5.23E-06	6.24E-07	8.30E-07	2.74E-06	1.89E-07
1242	470931.55	3818725.59	9.84E-06	4.13E-05	3.72E-06	8.20E-06	3.04E-05	2.67E-06	9.29E-07	5.32E-06	6.35E-07	8.45E-07	2.79E-06	1.92E-07
1243	470935.1	3818734.41	1.00E-05	4.21E-05	3.79E-06	8.35E-06	3.09E-05	2.72E-06	9.47E-07	5.42E-06	6.47E-07	8.61E-07	2.84E-06	1.96E-07
1244	470938.65	3818743.23	1.02E-05	4.29E-05	3.87E-06	8.51E-06	3.15E-05	2.77E-06	9.65E-07	5.53E-06	6.59E-07	8.78E-07	2.89E-06	1.99E-07
1245	470942.2	3818752.05	1.04E-05	4.38E-05	3.94E-06	8.68E-06	3.22E-05	2.83E-06	9.84E-07	5.64E-06	6.72E-07	8.95E-07	2.95E-06	2.03E-07
1246	470945.75	3818760.87	1.06E-05	4.46E-05	4.02E-06	8.86E-06	3.28E-05	2.89E-06	1.00E-06	5.75E-06	6.86E-07	9.13E-07	3.01E-06	2.07E-07
1247	470949.3	3818769.69	1.09E-05	4.56E-05	4.10E-06	9.04E-06	3.35E-05	2.95E-06	1.02E-06	5.87E-06	7.00E-07	9.32E-07	3.07E-06	2.12E-07
1248	470952.85	3818778.51	1.11E-05	4.65E-05	4.19E-06	9.23E-06	3.42E-05	3.01E-06	1.05E-06	5.99E-06	7.15E-07	9.51E-07	3.14E-06	2.16E-07
1249	470956.4	3818787.33	1.13E-05	4.75E-05	4.28E-06	9.43E-06	3.49E-05	3.07E-06	1.07E-06	6.12E-06	7.30E-07	9.72E-07	3.20E-06	2.21E-07
1250	470959.95	3818796.15	1.16E-05	4.86E-05	4.37E-06	9.63E-06	3.57E-05	3.14E-06	1.09E-06	6.25E-06	7.46E-07	9.93E-07	3.27E-06	2.26E-07
1251	470963.5	3818804.97	1.18E-05	4.97E-05	4.47E-06	9.85E-06	3.65E-05	3.21E-06	1.12E-06	6.39E-06	7.63E-07	1.02E-06	3.35E-06	2.31E-07
1252	470967.06	3818813.79	1.21E-05	5.08E-05	4.57E-06	1.01E-05	3.73E-05	3.28E-06	1.14E-06	6.54E-06	7.80E-07	1.04E-06	3.42E-06	2.36E-07
1253	470970.61	3818822.61	1.24E-05	5.19E-05	4.67E-06	1.03E-05	3.81E-05	3.35E-06	1.17E-06	6.68E-06	7.97E-07	1.06E-06	3.50E-06	2.41E-07
1254	470974.16	3818831.43	1.26E-05	5.31E-05	4.78E-06	1.05E-05	3.90E-05	3.43E-06	1.19E-06	6.83E-06	8.15E-07	1.09E-06	3.58E-06	2.47E-07
1255	470977.71	3818840.25	1.29E-05	5.43E-05	4.89E-06	1.08E-05	3.99E-05	3.51E-06	1.22E-06	6.99E-06	8.34E-07	1.11E-06	3.66E-06	2.52E-07
1256	470981.26	3818849.07	1.32E-05	5.56E-05	5.01E-06	1.10E-05	4.09E-05	3.60E-06	1.25E-06	7.16E-06	8.54E-07	1.14E-06	3.75E-06	2.58E-07
1257	470984.81	3818857.88	1.36E-05	5.70E-05	5.13E-06	1.13E-05	4.18E-05	3.68E-06	1.28E-06	7.33E-06	8.75E-07	1.16E-06	3.84E-06	2.65E-07
1258	470988.36	3818866.7	1.39E-05	5.83E-05	5.25E-06	1.16E-05	4.29E-05	3.77E-06	1.31E-06	7.51E-06	8.96E-07	1.19E-06	3.93E-06	2.71E-07
1259	470991.91	3818875.52	1.42E-05	5.98E-05	5.38E-06	1.19E-05	4.39E-05	3.86E-06	1.34E-06	7.70E-06	9.18E-07	1.22E-06	4.03E-06	2.78E-07
1260	470995.46	3818884.34	1.46E-05	6.12E-05	5.51E-06	1.21E-05	4.50E-05	3.96E-06	1.38E-06	7.88E-06	9.40E-07	1.25E-06	4.13E-06	2.85E-07
1261	470999.01	3818893.16	1.49E-05	6.28E-05	5.65E-06	1.24E-05	4.61E-05	4.06E-06	1.41E-06	8.08E-06	9.64E-07	1.28E-06	4.23E-06	2.92E-07
1262	471002.56	3818901.98	1.53E-05	6.43E-05	5.79E-06	1.28E-05	4.73E-05	4.16E-06	1.45E-06	8.28E-06	9.88E-07	1.31E-06	4.34E-06	2.99E-07
1263	471006.11	3818910.8	1.57E-05	6.59E-05	5.94E-06	1.31E-05	4.85E-05	4.26E-06	1.48E-06	8.49E-06	1.01E-06	1.35E-06	4.44E-06	3.06E-07
1264	471009.66	3818919.62	1.61E-05	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.56E-06	3.14E-07
1265	471013.21	3818928.44	1.65E-05	6.93E-05	6.24E-06	1.37E-05	5.09E-05	4.48E-06	1.56E-06	8.92E-06	1.06E-06	1.42E-06	4.67E-06	3.22E-07
1266	471016.76	3818937.26	1.69E-05	7.11E-05	6.40E-06	1.41E-05	5.22E-05	4.59E-06	1.60E-06	9.15E-06	1.09E-06	1.45E-06	4.79E-06	3.30E-07
1267	471020.32	3818946.08	1.74E-05	7.29E-05	6.56E-06	1.45E-05	5.35E-05	4.71E-06	1.64E-06	9.38E-06	1.12E-06	1.49E-06	4.91E-06	3.39E-07
1268	471023.87	3818954.9	1.78E-05	7.47E-05	6.73E-06	1.48E-05	5.49E-05	4.83E-06	1.68E-06	9.62E-06	1.15E-06	1.53E-06	5.04E-06	3.47E-07
1269	471027.42	3818963.72	1.82E-05	7.66E-05	6.90E-06	1.52E-05	5.63E-05	4.95E-06	1.72E-06	9.86E-06	1.18E-06	1.57E-06	5.16E-06	3.56E-07
1270	471030.97	3818972.54	1.87E-05	7.85E-05	7.07E-06	1.56E-05	5.77E-05	5.07E-06	1.76E-06	1.01E-05	1.21E-06	1.60E-06	5.29E-06	3.65E-07
1271	471034.52	3818981.36	1.92E-05	8.04E-05	7.24E-06	1.60E-05	5.91E-05	5.20E-06	1.81E-06	1.04E-05	1.24E-06	1.64E-06	5.42E-06	3.74E-07
1272	471038.07	3818990.18	1.96E-05	8.24E-05	7.42E-06	1.63E-05	6.06E-05	5.33E-06	1.85E-06	1.06E-05	1.27E-06	1.68E-06	5.55E-06	3.83E-07
1273	471048.72	3819016.64	2.11E-05	8.85E-05	7.97E-06	1.76E-05	6.50E-05	5.72E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.97E-06	4.11E-07
1274	471052.27	3819025.46	2.16E-05	9.06E-05	8.16E-06	1.80E-05	6.66E-05	5.86E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.11E-06	4.21E-07
1275	471055.82	3819034.28	2.21E-05	9.27E-05	8.35E-06	1.84E-05	6.82E-05	6.00E-06	2.09E-06	1.19E-05	1.42E-06	1.90E-06	6.25E-06	4.31E-07
1276	471059.37	3819043.09	2.26E-05	9.49E-05	8.55E-06	1.88E-05	6.97E-05	6.13E-06	2.13E-06	1.22E-05	1.46E-06	1.94E-06	6.40E-06	4.41E-07
1277	471062.92	3819051.91	2.31E-05	9.70E-05	8.74E-06	1.92E-05	7.13E-05	6.27E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.54E-06	4.51E-07
1278	471066.47	3819060.73	2.36E-05	9.92E-05	8.93E-06	1.97E-05	7.29E-05	6.41E-06	2.23E-06	1.28E-05	1.52E-06	2.03E-06	6.69E-06	4.61E-07
1279	471070.02	3819069.55	2.41E-05	1.01E-04	9.13E-06	2.01E-05	7.45E-05	6.55E-06	2.28E-06	1.30E-05	1.56E-06	2.07E-06	6.83E-06	4.71E-07
1280	471073.58	3819078.37	2.46E-05	1.04E-04	9.32E-06	2.05E-05	7.61E-05	6.69E-06	2.33E-06	1.33E-05	1.59E-06	2.12E-06	6.98E-06	4.81E-07
1281	471077.13	3819087.19	2.52E-05	1.06E-04	9.51E-06	2.10E-05	7.76E-05	6.83E-06	2.38E-06	1.36E-05	1.62E-06	2.16E-06	7.12E-06	4.91E-07
1282	471080.68	3819096.01	2.57E-05	1.08E-04	9.70E-06	2.14E-05	7.92E-05	6.97E-06	2.42E-06	1.39E-05	1.66E-06	2.20E-06	7.26E-06	5.01E-07
1283	471084.23	3819104.83	2.62E-05	1.10E-04	9.89E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.25E-06	7.40E-06	5.10E-07
1284	471087.78	3819113.65	2.67E-05	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
1285	471091.33	3819122.47	2.71E-05	1.14E-04	1.03E-05	2.26E-05	8.38E-05	7.37E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.68E-06	5.30E-07
1286	471094.88	3819131.29	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.52E-05	7.50E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.82E-06	5.39E-07
1287	471105.53	3819157.75	2.90E-05	1.22E-04	1.10E-05	2.41E-05	8.94E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.20E-06	5.66E-07
1288	471109.08	3819166.57	2.94E-05	1.24E-04	1.11E-05	2.45E-05	9.08E-05	7.98E-06	2.78E-06	1.59E-05	1.90E-06	2.52E-06	8.33E-06	5.74E-07
1289	471112.63	3819175.39	2.98E-05	1.25E-04	1.13E-05	2.48E-05	9.20E-05	8.10E-06	2.82E-06	1.61E-05	1.92E-06	2.56E-06	8.44E-06	5.82E-07
1290	471116.18	3819184.21	3.02E-05	1.27E-04	1.14E-05	2.52E-05	9.33E-05	8.21E-06	2.85E-06	1.63E-05	1.95E-06	2.60E-06	8.56E-06	5.90E-07
1291	471119.73	3819193.03	3.06E-05	1.29E-04	1.16E-05	2.55E-05	9.45E-05	8.31E-06	2.89E-06	1.65E-05	1.97E-06	2.63E-06	8.66E-06	5.97E-07
1292	471123.29	3819201.85	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.56E-05	8.41E-06	2.93E-06	1.67E-05	2.00E-06	2.66E-06	8.77E-06	6.04E-07
1293	471126.84	3819210.67	3.13E-05	1.32E-04	1.18E-05	2.61E-05	9.67E-05	8.50E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.87E-06	6.11E-07
1294	471130.39	3819219.49	3.16E-05	1.33E-04	1.20E-05	2.64E-05	9.76E-05	8.59E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.96E-06	6.17E-07
1295	471133.94	3819228.3	3.20E-05	1.34E-04	1.21E-05	2.66E-05	9.86E-05	8.67E-06	3.02E-06	1.73E-05	2.06E-06	2.74E-06	9.04E-06	6.23E-07
1296	471137.49	3819237.12	3.22E-05	1.35E-04	1.22E-05	2.69E-05	9.95E-05	8.75E-06	3.04E-06	1.74E-05	2.08E-06	2.77E-06	9.12E-06	6.29E-07
1297	470293.21	3818378.66	1.86E-05	7.81E-05	7.03E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.26E-06	3.63E-07
1298	470283.65	3818378.52	1.89E-05	7.92E-05	7.14E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
1299	470274.09	3818378.39	1.91E-05	8.04E-05	7.24E-06	1.59E-05	5.91E-05	5.20E-06	1.81E-06	1.03E-05	1.23E-06	1.64E-06	5.42E-06	3.73E-07
1300	470264.52	3818378.25	1.94E-05	8.15E-05	7.34E-06	1.62E-05	5.99E-05	5.27E-06	1.83E-06	1.05E-05	1.25E-06	1.67E-06	5.49E-06	3.79E-07
1301	470254.96	3818378.12	1.97E-05	8.25E-05	7.43E-06	1.64E-05	6.07E-05	5.34E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.84E-07
1302	470245.4	3818377.98	1.99E-05	8.35E-05	7.52E-06	1.66E-05	6.14E-05	5.40E-06	1.88E-06	1.08E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
1303	470235.84	3818377.85	2.01E-05	8.44E-05	7.60E-06	1.67E-05	6.20E-05	5.46E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.69E-06	3.92E-07
1304	470226.27	3818377.71	2.03E-05	8.52E-05	7.68E-06	1.69E-05	6.26E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.74E-06	3.96E-07
1305	470216.71	3818377.58	2.05E-05	8.60E-05	7.74E-06	1.70E-05	6.32E-05	5.56E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.79E-06	3.99E-07
1306	470207.15	3818377.44	2.06E-05	8.66E-05	7.80E-06	1.72E-05	6.36E-05	5.60E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.84E-06	4.02E-07
1307	470197.59	3818377.31	2.08E-05	8.72E-05	7.85E-06	1.73E-05	6.41E-05	5.63E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.88E-06	4.05E-07
1308	470188.03	3818377.17	2.09E-05	8.76E-05	7.89E-06	1.74E-05	6.44E-05	5.66E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.07E-07
1309	470178.46	3818377.04	2.10E-05	8.80E-05	7.92E-06	1.75E-05	6.47E-05	5.69E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
1310	470168.9	3818376.9	2.15E-05	9.04E-05	8.14E-06	1.79E-05	6.64E-05	5.85E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.09E-06	4.20E-07

1311	470159.34	3818376.77	2.16E-05	9.08E-05	8.18E-06	1.80E-05	6.67E-05	5.87E-06	2.04E-06	1.17E-05	1.39E-06	1.86E-06	6.12E-06	4.22E-07
1312	470149.78	3818376.63	2.17E-05	9.10E-05	8.20E-06	1.81E-05	6.69E-05	5.88E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.23E-07
1313	470140.21	3818376.5	2.17E-05	9.11E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.23E-07
1314	470130.65	3818376.36	2.17E-05	9.11E-05	8.20E-06	1.81E-05	6.69E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.23E-07
1315	470121.09	3818376.23	2.16E-05	9.09E-05	8.19E-06	1.80E-05	6.68E-05	5.88E-06	2.04E-06	1.17E-05	1.40E-06	1.86E-06	6.13E-06	4.22E-07
1316	470680.9	3818464.58	9.99E-06	4.19E-05	3.78E-06	8.32E-06	3.08E-05	2.71E-06	9.43E-07	5.40E-06	6.44E-07	8.57E-07	2.83E-06	1.95E-07
1317	470689.69	3818468.35	9.86E-06	4.14E-05	3.73E-06	8.21E-06	3.04E-05	2.68E-06	9.31E-07	5.33E-06	6.36E-07	8.46E-07	2.79E-06	1.92E-07
1318	470698.47	3818472.12	9.73E-06	4.08E-05	3.68E-06	8.10E-06	3.00E-05	2.64E-06	9.19E-07	5.26E-06	6.27E-07	8.35E-07	2.75E-06	1.90E-07
1319	470707.26	3818475.89	9.59E-06	4.03E-05	3.63E-06	7.99E-06	2.96E-05	2.60E-06	9.06E-07	5.19E-06	6.19E-07	8.23E-07	2.72E-06	1.87E-07
1320	470716.04	3818479.66	9.47E-06	3.98E-05	3.58E-06	7.89E-06	2.92E-05	2.57E-06	8.94E-07	5.12E-06	6.11E-07	8.13E-07	2.68E-06	1.85E-07
1321	470724.83	3818483.43	9.34E-06	3.92E-05	3.53E-06	7.78E-06	2.88E-05	2.53E-06	8.82E-07	5.05E-06	6.02E-07	8.02E-07	2.64E-06	1.82E-07
1322	470733.61	3818487.2	9.21E-06	3.87E-05	3.48E-06	7.67E-06	2.84E-05	2.50E-06	8.69E-07	4.98E-06	5.94E-07	7.90E-07	2.61E-06	1.80E-07
1323	470742.4	3818490.97	9.08E-06	3.81E-05	3.43E-06	7.57E-06	2.80E-05	2.47E-06	8.58E-07	4.91E-06	5.86E-07	7.80E-07	2.57E-06	1.77E-07
1324	470751.18	3818494.75	8.96E-06	3.76E-05	3.39E-06	7.46E-06	2.77E-05	2.43E-06	8.46E-07	4.84E-06	5.78E-07	7.69E-07	2.54E-06	1.75E-07
1325	470759.97	3818498.52	8.84E-06	3.71E-05	3.34E-06	7.36E-06	2.73E-05	2.40E-06	8.35E-07	4.78E-06	5.70E-07	7.59E-07	2.50E-06	1.73E-07
1326	470768.75	3818502.29	8.72E-06	3.66E-05	3.30E-06	7.26E-06	2.69E-05	2.37E-06	8.24E-07	4.71E-06	5.63E-07	7.49E-07	2.47E-06	1.70E-07
1327	470777.54	3818506.06	8.60E-06	3.61E-05	3.25E-06	7.16E-06	2.65E-05	2.33E-06	8.12E-07	4.65E-06	5.55E-07	7.38E-07	2.43E-06	1.68E-07
1328	470786.33	3818509.83	8.49E-06	3.57E-05	3.21E-06	7.07E-06	2.62E-05	2.30E-06	8.02E-07	4.59E-06	5.48E-07	7.29E-07	2.40E-06	1.66E-07
1329	470839.04	3818532.45	7.88E-06	3.31E-05	2.98E-06	6.56E-06	2.43E-05	2.14E-06	7.44E-07	4.26E-06	5.08E-07	6.76E-07	2.23E-06	1.54E-07
1330	470847.82	3818536.22	7.79E-06	3.27E-05	2.95E-06	6.49E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.69E-07	2.20E-06	1.52E-07
1331	470856.61	3818539.99	7.70E-06	3.23E-05	2.91E-06	6.42E-06	2.38E-05	2.09E-06	7.27E-07	4.16E-06	4.97E-07	6.61E-07	2.18E-06	1.50E-07
1332	470865.39	3818543.77	7.62E-06	3.20E-05	2.88E-06	6.35E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.91E-07	6.54E-07	2.16E-06	1.49E-07
1333	470874.18	3818547.54	7.54E-06	3.17E-05	2.85E-06	6.28E-06	2.33E-05	2.05E-06	7.12E-07	4.08E-06	4.87E-07	6.48E-07	2.14E-06	1.47E-07
1334	470882.97	3818551.31	7.47E-06	3.14E-05	2.83E-06	6.22E-06	2.31E-05	2.03E-06	7.05E-07	4.04E-06	4.82E-07	6.41E-07	2.11E-06	1.46E-07
1335	470891.75	3818555.08	7.40E-06	3.11E-05	2.80E-06	6.17E-06	2.28E-05	2.01E-06	6.99E-07	4.00E-06	4.78E-07	6.36E-07	2.10E-06	1.44E-07
1336	470900.54	3818558.85	7.34E-06	3.08E-05	2.78E-06	6.11E-06	2.27E-05	1.99E-06	6.93E-07	3.97E-06	4.74E-07	6.30E-07	2.08E-06	1.43E-07
1337	470909.32	3818562.62	7.28E-06	3.06E-05	2.75E-06	6.06E-06	2.25E-05	1.98E-06	6.87E-07	3.93E-06	4.69E-07	6.25E-07	2.06E-06	1.42E-07
1338	470918.11	3818566.39	7.23E-06	3.03E-05	2.73E-06	6.02E-06	2.23E-05	1.96E-06	6.82E-07	3.91E-06	4.66E-07	6.20E-07	2.05E-06	1.41E-07
1339	470926.89	3818570.16	7.17E-06	3.01E-05	2.71E-06	5.97E-06	2.21E-05	1.95E-06	6.77E-07	3.88E-06	4.63E-07	6.16E-07	2.03E-06	1.40E-07
1340	470935.68	3818573.93	7.13E-06	2.99E-05	2.70E-06	5.94E-06	2.20E-05	1.94E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
1341	470944.46	3818577.7	7.09E-06	2.98E-05	2.68E-06	5.90E-06	2.19E-05	1.92E-06	6.69E-07	3.83E-06	4.57E-07	6.08E-07	2.01E-06	1.38E-07
1342	470956.82	3818590.34	7.13E-06	2.99E-05	2.70E-06	5.94E-06	2.20E-05	1.94E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
1343	470960.39	3818599.21	7.21E-06	3.03E-05	2.73E-06	6.01E-06	2.23E-05	1.96E-06	6.81E-07	3.90E-06	4.65E-07	6.19E-07	2.04E-06	1.41E-07
1344	470963.96	3818608.08	7.30E-06	3.07E-05	2.76E-06	6.08E-06	2.25E-05	1.98E-06	6.90E-07	3.95E-06	4.71E-07	6.27E-07	2.07E-06	1.42E-07
1345	470967.53	3818616.95	7.40E-06	3.11E-05	2.80E-06	6.16E-06	2.28E-05	2.01E-06	6.99E-07	4.00E-06	4.77E-07	6.35E-07	2.09E-06	1.44E-07
1346	470971.1	3818625.82	7.49E-06	3.15E-05	2.83E-06	6.24E-06	2.31E-05	2.03E-06	7.08E-07	4.05E-06	4.83E-07	6.43E-07	2.12E-06	1.46E-07
1347	470974.67	3818634.69	7.61E-06	3.19E-05	2.88E-06	6.33E-06	2.35E-05	2.06E-06	7.18E-07	4.11E-06	4.91E-07	6.53E-07	2.15E-06	1.48E-07
1348	470978.24	3818643.55	7.72E-06	3.24E-05	2.92E-06	6.43E-06	2.38E-05	2.09E-06	7.29E-07	4.17E-06	4.98E-07	6.62E-07	2.18E-06	1.51E-07
1349	470981.81	3818652.42	7.84E-06	3.29E-05	2.96E-06	6.53E-06	2.42E-05	2.13E-06	7.40E-07	4.24E-06	5.05E-07	6.73E-07	2.22E-06	1.53E-07
1350	470985.38	3818661.29	7.96E-06	3.34E-05	3.01E-06	6.63E-06	2.46E-05	2.16E-06	7.52E-07	4.30E-06	5.14E-07	6.83E-07	2.25E-06	1.55E-07
1351	470988.95	3818670.16	8.09E-06	3.40E-05	3.06E-06	6.74E-06	2.50E-05	2.20E-06	7.64E-07	4.37E-06	5.22E-07	6.95E-07	2.29E-06	1.58E-07
1352	470992.52	3818679.03	8.23E-06	3.46E-05	3.11E-06	6.86E-06	2.54E-05	2.23E-06	7.77E-07	4.45E-06	5.31E-07	7.07E-07	2.33E-06	1.61E-07
1353	470996.09	3818687.9	8.38E-06	3.52E-05	3.17E-06	6.98E-06	2.58E-05	2.27E-06	7.91E-07	4.53E-06	5.40E-07	7.19E-07	2.37E-06	1.63E-07
1354	470999.67	3818696.77	8.53E-06	3.58E-05	3.23E-06	7.10E-06	2.63E-05	2.32E-06	8.05E-07	4.61E-06	5.50E-07	7.32E-07	2.41E-06	1.66E-07
1355	471003.24	3818705.64	8.69E-06	3.65E-05	3.29E-06	7.24E-06	2.68E-05	2.36E-06	8.20E-07	4.70E-06	5.60E-07	7.46E-07	2.46E-06	1.70E-07
1356	471006.81	3818714.5	8.85E-06	3.72E-05	3.35E-06	7.37E-06	2.73E-05	2.40E-06	8.36E-07	4.79E-06	5.71E-07	7.60E-07	2.51E-06	1.73E-07
1357	471010.38	3818723.37	9.02E-06	3.79E-05	3.41E-06	7.52E-06	2.78E-05	2.45E-06	8.52E-07	4.88E-06	5.82E-07	7.75E-07	2.55E-06	1.76E-07
1358	471013.95	3818732.24	9.21E-06	3.87E-05	3.48E-06	7.67E-06	2.84E-05	2.50E-06	8.69E-07	4.98E-06	5.94E-07	7.90E-07	2.61E-06	1.80E-07
1359	471017.52	3818741.11	9.40E-06	3.95E-05	3.55E-06	7.83E-06	2.90E-05	2.55E-06	8.87E-07	5.08E-06	6.06E-07	8.07E-07	2.66E-06	1.83E-07
1360	471021.09	3818749.98	9.59E-06	4.03E-05	3.63E-06	7.99E-06	2.96E-05	2.60E-06	9.06E-07	5.19E-06	6.19E-07	8.23E-07	2.72E-06	1.87E-07
1361	471024.66	3818758.85	9.79E-06	4.11E-05	3.70E-06	8.15E-06	3.02E-05	2.66E-06	9.24E-07	5.29E-06	6.31E-07	8.40E-07	2.77E-06	1.91E-07
1362	471028.23	3818767.72	1.00E-05	4.20E-05	3.78E-06	8.33E-06	3.08E-05	2.71E-06	9.44E-07	5.40E-06	6.45E-07	8.58E-07	2.83E-06	1.95E-07
1363	471031.8	3818776.59	1.02E-05	4.29E-05	3.86E-06	8.51E-06	3.15E-05	2.77E-06	9.64E-07	5.52E-06	6.59E-07	8.77E-07	2.89E-06	1.99E-07
1364	471035.37	3818785.45	1.04E-05	4.38E-05	3.94E-06	8.69E-06	3.22E-05	2.83E-06	9.85E-07	5.64E-06	6.73E-07	8.95E-07	2.95E-06	2.04E-07
1365	471038.94	3818794.32	1.07E-05	4.48E-05	4.03E-06	8.88E-06	3.29E-05	2.89E-06	1.01E-06	5.76E-06	6.88E-07	9.15E-07	3.02E-06	2.08E-07
1366	471042.51	3818803.19	1.09E-05	4.57E-05	4.12E-06	9.07E-06	3.36E-05	2.96E-06	1.03E-06	5.89E-06	7.02E-07	9.35E-07	3.08E-06	2.13E-07
1367	471046.08	3818812.06	1.11E-05	4.67E-05	4.21E-06	9.27E-06	3.44E-05	3.02E-06	1.05E-06	6.02E-06	7.18E-07	9.56E-07	3.15E-06	2.17E-07
1368	471049.65	3818820.93	1.14E-05	4.78E-05	4.30E-06	9.48E-06	3.51E-05	3.09E-06	1.07E-06	6.15E-06	7.34E-07	9.77E-07	3.22E-06	2.22E-07
1369	471053.22	3818829.8	1.16E-05	4.88E-05	4.40E-06	9.68E-06	3.59E-05	3.16E-06	1.10E-06	6.29E-06	7.50E-07	9.98E-07	3.29E-06	2.27E-07
1370	471056.79	3818838.67	1.19E-05	4.99E-05	4.50E-06	9.91E-06	3.67E-05	3.23E-06	1.12E-06	6.43E-06	7.67E-07	1.02E-06	3.37E-06	2.32E-07
1371	471060.36	3818847.54	1.22E-05	5.11E-05	4.60E-06	1.01E-05	3.75E-05	3.30E-06	1.15E-06	6.58E-06	7.85E-07	1.04E-06	3.44E-06	2.37E-07
1372	471063.93	3818856.4	1.24E-05	5.23E-05	4.71E-06	1.04E-05	3.84E-05	3.38E-06	1.18E-06	6.73E-06	8.03E-07	1.07E-06	3.52E-06	2.43E-07
1373	471067.5	3818865.27	1.27E-05	5.35E-05	4.82E-06	1.06E-05	3.93E-05	3.46E-06	1.20E-06	6.89E-06	8.22E-07	1.09E-06	3.61E-06	2.49E-07
1374	471071.07	3818874.14	1.30E-05	5.48E-05	4.93E-06	1.09E-05	4.02E-05	3.54E-06	1.23E-06	7.05E-06	8.41E-07	1.12E-06	3.69E-06	2.54E-07
1375	471074.65	3818883.01	1.34E-05	5.61E-05	5.05E-06	1.11E-05	4.12E-05	3.63E-06	1.26E-06	7.22E-06	8.61E-07	1.15E-06	3.78E-06	2.61E-07
1376	471078.22	3818891.88	1.37E-05	5.74E-05	5.17E-06	1.14E-05	4.22E-05	3.71E-06	1.29E-06	7.39E-06	8.82E-07	1.17E-06	3.87E-06	2.67E-07
1377	471081.79	3818900.75	1.40E-05	5.88E-05	5.29E-06	1.17E-05	4.32E-05	3.80E-06	1.32E-06	7.57E-06	9.03E-07	1.20E-06	3.96E-06	2.73E-07
1378	471085.36	3818909.62	1.43E-05	6.02E-05	5.42E-06	1.19E-05	4.42E-05	3.89E-06	1.35E-06	7.74E-06	9.24E-07	1.23E-06	4.06E-06	2.80E-07
1379	471088.93	3818918.49	1.47E-05	6.16E-05	5.55E-06	1.22E-05	4.52E-05	3.98E-06	1.38E-06	7.93E-06	9.46E-07	1.26E-06	4.15E-06	2.86E-07
1380	471092.5	3818927.35	1.50E-05	6.30E-05	5.68E-06	1.25E-05	4.63E-05	4.07E-06	1.42E-06	8.11E-06	9.68E-07	1.29E-06	4.25E-06	2.93E-07
1381	471096.07	3818936.22	1.54E-05	6.45E-05	5.81E-06	1.28E-05	4.74E-05	4.17E-06	1.45E-06	8.30E-06	9.91E-07	1.32E-06	4.35E-06	3.00E-07
1382	471106.78	3818962.83	1.65E-05	6.91E-05	6.22E-06	1.37E-05	5.08E-05	4.47E-06	1.55E-06	8.90E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
1383	471110.35	3818971.7	1.68E-05	7.07E-05	6.37E-06	1.40E-05	5.19E-05	4.57E-06	1.59E-06	9.10E-06	1.09E-06	1.44E-06	4.76E-06	3.28E-07

1384	471113.92	3818980.57	1.72E-05	7.23E-05	6.51E-06	1.43E-05	5.31E-05	4.68E-06	1.63E-06	9.31E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
1385	471117.49	3818989.44	1.76E-05	7.40E-05	6.66E-06	1.47E-05	5.43E-05	4.78E-06	1.66E-06	9.52E-06	1.14E-06	1.51E-06	4.99E-06	3.44E-07
1386	471121.06	3818998.3	1.80E-05	7.56E-05	6.81E-06	1.50E-05	5.56E-05	4.89E-06	1.70E-06	9.74E-06	1.16E-06	1.55E-06	5.10E-06	3.51E-07
1387	471124.63	3819007.17	1.84E-05	7.73E-05	6.96E-06	1.53E-05	5.68E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
1388	471128.2	3819016.04	1.88E-05	7.90E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.62E-06	5.33E-06	3.67E-07
1389	471131.77	3819024.91	1.92E-05	8.07E-05	7.27E-06	1.60E-05	5.93E-05	5.22E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.44E-06	3.75E-07
1390	471135.34	3819033.78	1.96E-05	8.25E-05	7.43E-06	1.64E-05	6.06E-05	5.33E-06	1.85E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.83E-07
1391	471138.91	3819042.65	2.01E-05	8.42E-05	7.58E-06	1.67E-05	6.19E-05	5.44E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.68E-06	3.91E-07
1392	471142.48	3819051.52	2.05E-05	8.59E-05	7.74E-06	1.70E-05	6.31E-05	5.56E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.79E-06	3.99E-07
1393	471146.06	3819060.39	2.09E-05	8.77E-05	7.89E-06	1.74E-05	6.44E-05	5.67E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.07E-07
1394	471149.63	3819069.25	2.13E-05	8.94E-05	8.05E-06	1.77E-05	6.57E-05	5.78E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.02E-06	4.15E-07
1395	471153.2	3819078.12	2.17E-05	9.11E-05	8.20E-06	1.81E-05	6.69E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.23E-07
1396	471156.77	3819086.99	2.21E-05	9.28E-05	8.35E-06	1.84E-05	6.82E-05	6.00E-06	2.09E-06	1.19E-05	1.42E-06	1.90E-06	6.25E-06	4.31E-07
1397	471160.34	3819095.86	2.25E-05	9.44E-05	8.51E-06	1.87E-05	6.94E-05	6.11E-06	2.12E-06	1.22E-05	1.45E-06	1.93E-06	6.37E-06	4.39E-07
1398	471163.91	3819104.73	2.29E-05	9.61E-05	8.65E-06	1.91E-05	7.06E-05	6.21E-06	2.16E-06	1.24E-05	1.48E-06	1.96E-06	6.48E-06	4.47E-07
1399	471167.48	3819113.6	2.33E-05	9.77E-05	8.80E-06	1.94E-05	7.18E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.54E-07
1400	471171.05	3819122.47	2.37E-05	9.93E-05	8.95E-06	1.97E-05	7.30E-05	6.42E-06	2.23E-06	1.28E-05	1.53E-06	2.03E-06	6.70E-06	4.62E-07
1401	471174.62	3819131.34	2.40E-05	1.01E-04	9.09E-06	2.00E-05	7.42E-05	6.52E-06	2.27E-06	1.30E-05	1.55E-06	2.06E-06	6.80E-06	4.69E-07
1402	471185.33	3819157.94	2.51E-05	1.05E-04	9.49E-06	2.09E-05	7.75E-05	6.81E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.90E-07
1403	471188.9	3819166.81	2.54E-05	1.07E-04	9.62E-06	2.12E-05	7.85E-05	6.90E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.20E-06	4.96E-07
1404	471192.47	3819175.68	2.58E-05	1.08E-04	9.74E-06	2.15E-05	7.95E-05	6.99E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.29E-06	5.03E-07
1405	471196.04	3819184.55	2.61E-05	1.09E-04	9.86E-06	2.17E-05	8.04E-05	7.08E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.38E-06	5.09E-07
1406	471199.61	3819193.42	2.64E-05	1.11E-04	9.97E-06	2.20E-05	8.14E-05	7.16E-06	2.49E-06	1.43E-05	1.70E-06	2.26E-06	7.46E-06	5.14E-07
1407	471203.18	3819202.29	2.66E-05	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
1408	471206.75	3819211.15	2.69E-05	1.13E-04	1.02E-05	2.24E-05	8.30E-05	7.30E-06	2.54E-06	1.45E-05	1.74E-06	2.31E-06	7.62E-06	5.25E-07
1409	471210.32	3819220.02	2.72E-05	1.14E-04	1.03E-05	2.26E-05	8.38E-05	7.37E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.69E-06	5.30E-07
1410	471213.89	3819228.89	2.74E-05	1.15E-04	1.04E-05	2.28E-05	8.45E-05	7.44E-06	2.59E-06	1.48E-05	1.77E-06	2.35E-06	7.75E-06	5.35E-07
1411	471217.46	3819237.76	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.52E-05	7.50E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.82E-06	5.39E-07
1412	470284.78	3818298.53	1.61E-05	6.75E-05	6.08E-06	1.34E-05	4.96E-05	4.36E-06	1.52E-06	8.69E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
1413	470275.22	3818298.39	1.63E-05	6.84E-05	6.16E-06	1.36E-05	5.03E-05	4.42E-06	1.54E-06	8.81E-06	1.05E-06	1.40E-06	4.61E-06	3.18E-07
1414	470265.65	3818298.26	1.65E-05	6.93E-05	6.24E-06	1.37E-05	5.09E-05	4.48E-06	1.56E-06	8.92E-06	1.06E-06	1.42E-06	4.67E-06	3.22E-07
1415	470256.09	3818298.12	1.67E-05	7.01E-05	6.32E-06	1.39E-05	5.15E-05	4.53E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
1416	470246.53	3818297.99	1.69E-05	7.09E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
1417	470236.97	3818297.85	1.70E-05	7.16E-05	6.44E-06	1.42E-05	5.26E-05	4.63E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
1418	470227.4	3818297.72	1.72E-05	7.22E-05	6.50E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.29E-06	1.11E-06	1.48E-06	4.87E-06	3.35E-07
1419	470217.84	3818297.58	1.73E-05	7.28E-05	6.56E-06	1.44E-05	5.35E-05	4.71E-06	1.64E-06	9.38E-06	1.12E-06	1.49E-06	4.91E-06	3.38E-07
1420	470208.28	3818297.45	1.75E-05	7.35E-05	6.62E-06	1.46E-05	5.40E-05	4.75E-06	1.65E-06	9.46E-06	1.13E-06	1.50E-06	4.95E-06	3.41E-07
1421	470198.72	3818297.31	1.76E-05	7.40E-05	6.66E-06	1.47E-05	5.43E-05	4.78E-06	1.66E-06	9.52E-06	1.14E-06	1.51E-06	4.99E-06	3.44E-07
1422	470189.16	3818297.18	1.77E-05	7.43E-05	6.70E-06	1.47E-05	5.46E-05	4.81E-06	1.67E-06	9.57E-06	1.14E-06	1.52E-06	5.01E-06	3.45E-07
1423	470179.59	3818297.04	1.78E-05	7.47E-05	6.72E-06	1.48E-05	5.49E-05	4.83E-06	1.68E-06	9.61E-06	1.15E-06	1.53E-06	5.03E-06	3.47E-07
1424	470170.03	3818296.91	1.78E-05	7.49E-05	6.75E-06	1.49E-05	5.50E-05	4.84E-06	1.68E-06	9.64E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
1425	470160.47	3818296.77	1.84E-05	7.72E-05	6.95E-06	1.53E-05	5.67E-05	4.99E-06	1.74E-06	9.93E-06	1.19E-06	1.58E-06	5.20E-06	3.59E-07
1426	470150.91	3818296.64	1.84E-05	7.74E-05	6.97E-06	1.54E-05	5.69E-05	5.01E-06	1.74E-06	9.97E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
1427	470141.34	3818296.5	1.85E-05	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.01E-06	1.74E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.60E-07
1428	470131.78	3818296.37	1.85E-05	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.02E-06	1.75E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.61E-07
1429	470122.22	3818296.23	1.85E-05	7.75E-05	6.98E-06	1.54E-05	5.70E-05	5.01E-06	1.74E-06	9.98E-06	1.19E-06	1.58E-06	5.23E-06	3.60E-07
1430	470757.59	3818417.02	8.02E-06	3.37E-05	3.03E-06	6.68E-06	2.48E-05	2.18E-06	7.58E-07	4.34E-06	5.18E-07	6.89E-07	2.27E-06	1.57E-07
1431	470766.31	3818420.76	7.92E-06	3.33E-05	3.00E-06	6.60E-06	2.44E-05	2.15E-06	7.48E-07	4.28E-06	5.11E-07	6.80E-07	2.24E-06	1.55E-07
1432	470775.03	3818424.5	7.82E-06	3.28E-05	2.96E-06	6.52E-06	2.41E-05	2.12E-06	7.39E-07	4.23E-06	5.05E-07	6.71E-07	2.21E-06	1.53E-07
1433	470783.75	3818428.25	7.72E-06	3.24E-05	2.92E-06	6.43E-06	2.38E-05	2.10E-06	7.29E-07	4.17E-06	4.98E-07	6.63E-07	2.19E-06	1.51E-07
1434	470792.47	3818431.99	7.62E-06	3.20E-05	2.88E-06	6.35E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.91E-07	6.54E-07	2.16E-06	1.49E-07
1435	470801.19	3818435.73	7.52E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.10E-07	4.07E-06	4.85E-07	6.46E-07	2.13E-06	1.47E-07
1436	470809.91	3818439.47	7.43E-06	3.12E-05	2.81E-06	6.19E-06	2.29E-05	2.02E-06	7.01E-07	4.02E-06	4.79E-07	6.38E-07	2.10E-06	1.45E-07
1437	470818.63	3818443.22	7.34E-06	3.08E-05	2.77E-06	6.11E-06	2.26E-05	1.99E-06	6.93E-07	3.97E-06	4.73E-07	6.30E-07	2.08E-06	1.43E-07
1438	470827.35	3818446.96	7.24E-06	3.04E-05	2.74E-06	6.03E-06	2.24E-05	1.97E-06	6.84E-07	3.92E-06	4.67E-07	6.22E-07	2.05E-06	1.41E-07
1439	470836.07	3818450.7	7.15E-06	3.00E-05	2.71E-06	5.96E-06	2.21E-05	1.94E-06	6.75E-07	3.87E-06	4.61E-07	6.14E-07	2.02E-06	1.40E-07
1440	470844.79	3818454.44	7.07E-06	2.97E-05	2.67E-06	5.89E-06	2.18E-05	1.92E-06	6.67E-07	3.82E-06	4.56E-07	6.07E-07	2.00E-06	1.38E-07
1441	470853.51	3818458.19	6.98E-06	2.93E-05	2.64E-06	5.81E-06	2.15E-05	1.89E-06	6.59E-07	3.77E-06	4.50E-07	5.99E-07	1.98E-06	1.36E-07
1442	470862.23	3818461.93	6.90E-06	2.90E-05	2.61E-06	5.75E-06	2.13E-05	1.87E-06	6.51E-07	3.73E-06	4.45E-07	5.92E-07	1.95E-06	1.35E-07
1443	470870.95	3818465.67	6.82E-06	2.86E-05	2.58E-06	5.68E-06	2.10E-05	1.85E-06	6.44E-07	3.69E-06	4.40E-07	5.85E-07	1.93E-06	1.33E-07
1444	470914.54	3818484.38	6.46E-06	2.71E-05	2.44E-06	5.38E-06	1.99E-05	1.75E-06	6.10E-07	3.49E-06	4.17E-07	5.55E-07	1.83E-06	1.26E-07
1445	470923.26	3818488.13	6.40E-06	2.69E-05	2.42E-06	5.33E-06	1.97E-05	1.74E-06	6.04E-07	3.46E-06	4.13E-07	5.49E-07	1.81E-06	1.25E-07
1446	470931.98	3818491.87	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.99E-07	3.43E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
1447	470940.7	3818495.61	6.29E-06	2.64E-05	2.38E-06	5.24E-06	1.94E-05	1.71E-06	5.94E-07	3.40E-06	4.06E-07	5.40E-07	1.78E-06	1.23E-07
1448	470949.42	3818499.35	6.23E-06	2.62E-05	2.36E-06	5.19E-06	1.92E-05	1.69E-06	5.89E-07	3.37E-06	4.02E-07	5.35E-07	1.76E-06	1.22E-07
1449	470958.14	3818503.1	6.19E-06	2.60E-05	2.34E-06	5.15E-06	1.91E-05	1.68E-06	5.84E-07	3.34E-06	3.99E-07	5.31E-07	1.75E-06	1.21E-07
1450	470966.86	3818506.84	6.14E-06	2.58E-05	2.32E-06	5.11E-06	1.89E-05	1.67E-06	5.80E-07	3.32E-06	3.96E-07	5.27E-07	1.74E-06	1.20E-07
1451	470975.58	3818510.58	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.66E-06	5.76E-07	3.30E-06	3.93E-07	5.24E-07	1.73E-06	1.19E-07
1452	470984.3	3818514.32	6.06E-06	2.55E-05	2.29E-06	5.05E-06	1.87E-05	1.65E-06	5.72E-07	3.28E-06	3.91E-07	5.20E-07	1.72E-06	1.18E-07
1453	470993.02	3818518.07	6.02E-06	2.53E-05	2.28E-06	5.02E-06	1.86E-05	1.63E-06	5.69E-07	3.26E-06	3.88E-07	5.17E-07	1.70E-06	1.18E-07
1454	471001.74	3818521.81	5.99E-06	2.52E-05	2.27E-06	4.99E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
1455	471014	3818534.35	6.02E-06	2.53E-05	2.28E-06	5.02E-06	1.86E-05	1.63E-06	5.69E-07	3.26E-06	3.88E-07	5.17E-07	1.70E-06	1.18E-07
1456	471017.54	3818543.15	6.09E-06	2.56E-05	2.30E-06	5.07E-06	1.88E-05	1.65E-06	5.75E-07	3.29E-06	3.93E-07	5.23E-07	1.72E-06	1.19E-07

1457	471021.09	3818551.96	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.81E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
1458	471024.63	3818560.76	6.23E-06	2.62E-05	2.36E-06	5.19E-06	1.92E-05	1.69E-06	5.88E-07	3.37E-06	4.02E-07	5.35E-07	1.76E-06	1.22E-07
1459	471028.17	3818569.56	6.31E-06	2.65E-05	2.39E-06	5.26E-06	1.95E-05	1.71E-06	5.96E-07	3.41E-06	4.07E-07	5.42E-07	1.79E-06	1.23E-07
1460	471031.72	3818578.36	6.39E-06	2.68E-05	2.42E-06	5.33E-06	1.97E-05	1.74E-06	6.04E-07	3.46E-06	4.12E-07	5.49E-07	1.81E-06	1.25E-07
1461	471035.26	3818587.16	6.48E-06	2.72E-05	2.45E-06	5.40E-06	2.00E-05	1.76E-06	6.12E-07	3.50E-06	4.18E-07	5.56E-07	1.83E-06	1.26E-07
1462	471038.8	3818595.97	6.57E-06	2.76E-05	2.48E-06	5.47E-06	2.03E-05	1.78E-06	6.20E-07	3.55E-06	4.24E-07	5.64E-07	1.86E-06	1.28E-07
1463	471042.35	3818604.77	6.66E-06	2.80E-05	2.52E-06	5.55E-06	2.06E-05	1.81E-06	6.29E-07	3.60E-06	4.30E-07	5.72E-07	1.89E-06	1.30E-07
1464	471045.89	3818613.57	6.76E-06	2.84E-05	2.56E-06	5.63E-06	2.09E-05	1.84E-06	6.39E-07	3.66E-06	4.36E-07	5.81E-07	1.91E-06	1.32E-07
1465	471049.44	3818622.37	6.87E-06	2.88E-05	2.60E-06	5.72E-06	2.12E-05	1.86E-06	6.49E-07	3.71E-06	4.43E-07	5.90E-07	1.94E-06	1.34E-07
1466	471052.98	3818631.17	6.98E-06	2.93E-05	2.64E-06	5.81E-06	2.15E-05	1.89E-06	6.59E-07	3.77E-06	4.50E-07	5.99E-07	1.97E-06	1.36E-07
1467	471056.52	3818639.98	7.09E-06	2.98E-05	2.68E-06	5.91E-06	2.19E-05	1.92E-06	6.70E-07	3.83E-06	4.57E-07	6.09E-07	2.01E-06	1.38E-07
1468	471060.07	3818648.78	7.21E-06	3.03E-05	2.73E-06	6.01E-06	2.23E-05	1.96E-06	6.81E-07	3.90E-06	4.65E-07	6.19E-07	2.04E-06	1.41E-07
1469	471063.61	3818657.58	7.33E-06	3.08E-05	2.77E-06	6.11E-06	2.26E-05	1.99E-06	6.92E-07	3.96E-06	4.73E-07	6.29E-07	2.08E-06	1.43E-07
1470	471067.15	3818666.38	7.46E-06	3.13E-05	2.82E-06	6.21E-06	2.30E-05	2.03E-06	7.05E-07	4.03E-06	4.81E-07	6.41E-07	2.11E-06	1.46E-07
1471	471070.7	3818675.18	7.60E-06	3.19E-05	2.87E-06	6.33E-06	2.34E-05	2.06E-06	7.17E-07	4.11E-06	4.90E-07	6.52E-07	2.15E-06	1.48E-07
1472	471074.24	3818683.99	7.74E-06	3.25E-05	2.93E-06	6.44E-06	2.39E-05	2.10E-06	7.30E-07	4.18E-06	4.99E-07	6.64E-07	2.19E-06	1.51E-07
1473	471077.78	3818692.79	7.88E-06	3.31E-05	2.98E-06	6.56E-06	2.43E-05	2.14E-06	7.44E-07	4.26E-06	5.08E-07	6.76E-07	2.23E-06	1.54E-07
1474	471081.33	3818701.59	8.03E-06	3.37E-05	3.04E-06	6.69E-06	2.48E-05	2.18E-06	7.58E-07	4.34E-06	5.18E-07	6.89E-07	2.27E-06	1.57E-07
1475	471084.87	3818710.39	8.18E-06	3.44E-05	3.09E-06	6.82E-06	2.53E-05	2.22E-06	7.73E-07	4.42E-06	5.28E-07	7.02E-07	2.32E-06	1.60E-07
1476	471088.42	3818719.19	8.34E-06	3.50E-05	3.15E-06	6.95E-06	2.57E-05	2.26E-06	7.88E-07	4.51E-06	5.38E-07	7.16E-07	2.36E-06	1.63E-07
1477	471091.96	3818728	8.51E-06	3.57E-05	3.22E-06	7.08E-06	2.62E-05	2.31E-06	8.03E-07	4.60E-06	5.49E-07	7.30E-07	2.41E-06	1.66E-07
1478	471095.5	3818736.8	8.68E-06	3.64E-05	3.28E-06	7.23E-06	2.68E-05	2.36E-06	8.20E-07	4.69E-06	5.60E-07	7.45E-07	2.46E-06	1.69E-07
1479	471099.05	3818745.6	8.85E-06	3.72E-05	3.35E-06	7.37E-06	2.73E-05	2.40E-06	8.36E-07	4.79E-06	5.71E-07	7.60E-07	2.51E-06	1.73E-07
1480	471102.59	3818754.4	9.03E-06	3.79E-05	3.41E-06	7.52E-06	2.79E-05	2.45E-06	8.53E-07	4.88E-06	5.82E-07	7.75E-07	2.56E-06	1.76E-07
1481	471106.13	3818763.2	9.22E-06	3.87E-05	3.49E-06	7.68E-06	2.84E-05	2.50E-06	8.70E-07	4.98E-06	5.95E-07	7.91E-07	2.61E-06	1.80E-07
1482	471109.68	3818772.01	9.41E-06	3.95E-05	3.56E-06	7.84E-06	2.90E-05	2.55E-06	8.89E-07	5.09E-06	6.07E-07	8.08E-07	2.66E-06	1.84E-07
1483	471113.22	3818780.81	9.60E-06	4.03E-05	3.63E-06	8.00E-06	2.96E-05	2.61E-06	9.07E-07	5.19E-06	6.19E-07	8.24E-07	2.72E-06	1.87E-07
1484	471138.03	3818842.42	1.11E-05	4.67E-05	4.21E-06	9.27E-06	3.44E-05	3.02E-06	1.05E-06	6.02E-06	7.18E-07	9.56E-07	3.15E-06	2.17E-07
1485	471141.57	3818851.22	1.14E-05	4.78E-05	4.30E-06	9.47E-06	3.51E-05	3.09E-06	1.07E-06	6.15E-06	7.34E-07	9.76E-07	3.22E-06	2.22E-07
1486	471145.11	3818860.03	1.16E-05	4.88E-05	4.40E-06	9.68E-06	3.59E-05	3.15E-06	1.10E-06	6.28E-06	7.50E-07	9.98E-07	3.29E-06	2.27E-07
1487	471148.66	3818868.83	1.19E-05	4.99E-05	4.49E-06	9.89E-06	3.66E-05	3.22E-06	1.12E-06	6.42E-06	7.66E-07	1.02E-06	3.36E-06	2.32E-07
1488	471152.2	3818877.63	1.21E-05	5.09E-05	4.59E-06	1.01E-05	3.74E-05	3.29E-06	1.15E-06	6.56E-06	7.82E-07	1.04E-06	3.43E-06	2.37E-07
1489	471155.74	3818886.43	1.24E-05	5.20E-05	4.69E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.70E-06	7.99E-07	1.06E-06	3.51E-06	2.42E-07
1490	471159.29	3818895.23	1.27E-05	5.32E-05	4.79E-06	1.05E-05	3.91E-05	3.44E-06	1.20E-06	6.84E-06	8.16E-07	1.09E-06	3.58E-06	2.47E-07
1491	471162.83	3818904.04	1.29E-05	5.43E-05	4.89E-06	1.08E-05	3.99E-05	3.51E-06	1.22E-06	6.99E-06	8.34E-07	1.11E-06	3.66E-06	2.52E-07
1492	471166.37	3818912.84	1.32E-05	5.55E-05	5.00E-06	1.10E-05	4.08E-05	3.59E-06	1.25E-06	7.15E-06	8.53E-07	1.13E-06	3.74E-06	2.58E-07
1493	471169.92	3818921.64	1.35E-05	5.67E-05	5.11E-06	1.13E-05	4.17E-05	3.67E-06	1.28E-06	7.30E-06	8.71E-07	1.16E-06	3.82E-06	2.64E-07
1494	471173.46	3818930.44	1.38E-05	5.80E-05	5.22E-06	1.15E-05	4.26E-05	3.75E-06	1.30E-06	7.46E-06	8.90E-07	1.18E-06	3.91E-06	2.69E-07
1495	471180.55	3818948.05	1.44E-05	6.05E-05	5.45E-06	1.20E-05	4.44E-05	3.91E-06	1.36E-06	7.79E-06	9.29E-07	1.24E-06	4.08E-06	2.81E-07
1496	471184.09	3818956.85	1.47E-05	6.18E-05	5.56E-06	1.22E-05	4.54E-05	3.99E-06	1.39E-06	7.95E-06	9.49E-07	1.26E-06	4.16E-06	2.87E-07
1497	471187.64	3818965.65	1.50E-05	6.31E-05	5.68E-06	1.25E-05	4.64E-05	4.08E-06	1.42E-06	8.12E-06	9.69E-07	1.29E-06	4.25E-06	2.93E-07
1498	471191.18	3818974.45	1.53E-05	6.44E-05	5.80E-06	1.28E-05	4.73E-05	4.16E-06	1.45E-06	8.29E-06	9.90E-07	1.32E-06	4.34E-06	2.99E-07
1499	471194.72	3818983.26	1.57E-05	6.58E-05	5.92E-06	1.30E-05	4.83E-05	4.25E-06	1.48E-06	8.47E-06	1.01E-06	1.34E-06	4.43E-06	3.06E-07
1500	471198.27	3818992.06	1.60E-05	6.72E-05	6.05E-06	1.33E-05	4.93E-05	4.34E-06	1.51E-06	8.64E-06	1.03E-06	1.37E-06	4.53E-06	3.12E-07
1501	471201.81	3819000.86	1.63E-05	6.85E-05	6.17E-06	1.36E-05	5.04E-05	4.43E-06	1.54E-06	8.82E-06	1.05E-06	1.40E-06	4.62E-06	3.18E-07
1502	471205.35	3819009.66	1.66E-05	6.99E-05	6.30E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.00E-06	1.07E-06	1.43E-06	4.71E-06	3.25E-07
1503	471208.9	3819018.46	1.70E-05	7.13E-05	6.42E-06	1.41E-05	5.24E-05	4.61E-06	1.60E-06	9.18E-06	1.10E-06	1.46E-06	4.81E-06	3.31E-07
1504	471212.44	3819027.27	1.73E-05	7.27E-05	6.55E-06	1.44E-05	5.34E-05	4.70E-06	1.64E-06	9.36E-06	1.12E-06	1.49E-06	4.90E-06	3.38E-07
1505	471215.99	3819036.07	1.77E-05	7.41E-05	6.68E-06	1.47E-05	5.45E-05	4.79E-06	1.67E-06	9.54E-06	1.14E-06	1.52E-06	5.00E-06	3.44E-07
1506	471219.53	3819044.87	1.80E-05	7.55E-05	6.80E-06	1.50E-05	5.55E-05	4.88E-06	1.70E-06	9.72E-06	1.16E-06	1.54E-06	5.09E-06	3.51E-07
1507	471223.07	3819053.67	1.83E-05	7.69E-05	6.93E-06	1.53E-05	5.65E-05	4.97E-06	1.73E-06	9.90E-06	1.18E-06	1.57E-06	5.18E-06	3.57E-07
1508	471226.62	3819062.47	1.86E-05	7.83E-05	7.05E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.28E-06	3.64E-07
1509	471230.16	3819071.28	1.90E-05	7.97E-05	7.17E-06	1.58E-05	5.85E-05	5.15E-06	1.79E-06	1.03E-05	1.22E-06	1.63E-06	5.37E-06	3.70E-07
1510	471233.7	3819080.08	1.93E-05	8.10E-05	7.30E-06	1.61E-05	5.95E-05	5.24E-06	1.82E-06	1.04E-05	1.24E-06	1.66E-06	5.46E-06	3.76E-07
1511	471237.25	3819088.88	1.96E-05	8.24E-05	7.42E-06	1.63E-05	6.05E-05	5.33E-06	1.85E-06	1.06E-05	1.27E-06	1.68E-06	5.55E-06	3.83E-07
1512	471240.79	3819097.68	1.99E-05	8.37E-05	7.54E-06	1.66E-05	6.15E-05	5.41E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.64E-06	3.89E-07
1513	471244.33	3819106.48	2.02E-05	8.50E-05	7.66E-06	1.69E-05	6.25E-05	5.50E-06	1.91E-06	1.09E-05	1.31E-06	1.74E-06	5.73E-06	3.95E-07
1514	471247.88	3819115.29	2.05E-05	8.63E-05	7.77E-06	1.71E-05	6.34E-05	5.58E-06	1.94E-06	1.11E-05	1.33E-06	1.76E-06	5.82E-06	4.01E-07
1515	471251.42	3819124.09	2.08E-05	8.76E-05	7.88E-06	1.74E-05	6.43E-05	5.66E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.90E-06	4.07E-07
1516	471262.05	3819150.49	2.17E-05	9.12E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.24E-07
1517	471265.6	3819159.3	2.20E-05	9.23E-05	8.31E-06	1.83E-05	6.78E-05	5.97E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.22E-06	4.29E-07
1518	471269.14	3819168.1	2.22E-05	9.34E-05	8.41E-06	1.85E-05	6.86E-05	6.04E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.29E-06	4.34E-07
1519	471272.68	3819176.9	2.25E-05	9.44E-05	8.50E-06	1.87E-05	6.94E-05	6.10E-06	2.12E-06	1.22E-05	1.45E-06	1.93E-06	6.36E-06	4.39E-07
1520	471276.23	3819185.7	2.27E-05	9.54E-05	8.59E-06	1.89E-05	7.01E-05	6.17E-06	2.15E-06	1.23E-05	1.47E-06	1.95E-06	6.43E-06	4.43E-07
1521	471279.77	3819194.5	2.30E-05	9.64E-05	8.68E-06	1.91E-05	7.08E-05	6.23E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.50E-06	4.48E-07
1522	471283.31	3819203.31	2.32E-05	9.73E-05	8.76E-06	1.93E-05	7.15E-05	6.29E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.56E-06	4.52E-07
1523	471286.86	3819212.11	2.34E-05	9.81E-05	8.84E-06	1.95E-05	7.21E-05	6.34E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.56E-07
1524	471290.4	3819220.91	2.36E-05	9.90E-05	8.91E-06	1.96E-05	7.27E-05	6.40E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.67E-06	4.60E-07
1525	471293.95	3819229.71	2.37E-05	9.97E-05	8.98E-06	1.98E-05	7.33E-05	6.44E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.72E-06	4.63E-07
1526	470266.78	3818218.27	1.42E-05	5.97E-05	5.38E-06	1.18E-05	4.39E-05	3.86E-06	1.34E-06	7.69E-06	9.17E-07	1.22E-06	4.03E-06	2.77E-07
1527	470257.22	3818218.13	1.44E-05	6.04E-05	5.44E-06	1.20E-05	4.44E-05	3.91E-06	1.36E-06	7.78E-06	9.28E-07	1.24E-06	4.07E-06	2.81E-07
1528	470247.66	3818218	1.45E-05	6.11E-05	5.50E-06	1.21E-05	4.49E-05	3.95E-06	1.37E-06	7.86E-06	9.38E-07	1.25E-06	4.12E-06	2.84E-07
1529	470238.1	3818217.86	1.47E-05	6.17E-05	5.56E-06	1.22E-05	4.54E-05	3.99E-06	1.39E-06	7.94E-06	9.48E-07	1.26E-06	4.16E-06	2.87E-07

1530	470228.53	3818217.73	1.48E-05	6.23E-05	5.61E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.02E-06	9.57E-07	1.27E-06	4.20E-06	2.89E-07
1531	470218.97	3818217.59	1.50E-05	6.28E-05	5.66E-06	1.25E-05	4.62E-05	4.06E-06	1.41E-06	8.09E-06	9.65E-07	1.28E-06	4.23E-06	2.92E-07
1532	470209.41	3818217.46	1.51E-05	6.33E-05	5.70E-06	1.26E-05	4.65E-05	4.09E-06	1.42E-06	8.15E-06	9.72E-07	1.29E-06	4.26E-06	2.94E-07
1533	470199.85	3818217.32	1.52E-05	6.37E-05	5.74E-06	1.26E-05	4.68E-05	4.12E-06	1.43E-06	8.20E-06	9.78E-07	1.30E-06	4.29E-06	2.96E-07
1534	470190.28	3818217.19	1.52E-05	6.40E-05	5.77E-06	1.27E-05	4.70E-05	4.14E-06	1.44E-06	8.24E-06	9.83E-07	1.31E-06	4.32E-06	2.97E-07
1535	470180.72	3818217.05	1.53E-05	6.43E-05	5.79E-06	1.28E-05	4.73E-05	4.16E-06	1.45E-06	8.28E-06	9.88E-07	1.31E-06	4.33E-06	2.99E-07
1536	470171.16	3818216.92	1.54E-05	6.45E-05	5.81E-06	1.28E-05	4.74E-05	4.17E-06	1.45E-06	8.31E-06	9.91E-07	1.32E-06	4.35E-06	3.00E-07
1537	470161.6	3818216.78	1.54E-05	6.47E-05	5.83E-06	1.28E-05	4.75E-05	4.18E-06	1.45E-06	8.33E-06	9.94E-07	1.32E-06	4.36E-06	3.01E-07
1538	470152.04	3818216.65	1.54E-05	6.48E-05	5.84E-06	1.29E-05	4.76E-05	4.19E-06	1.46E-06	8.34E-06	9.95E-07	1.32E-06	4.37E-06	3.01E-07
1539	470142.47	3818216.51	1.59E-05	6.67E-05	6.01E-06	1.32E-05	4.90E-05	4.31E-06	1.50E-06	8.59E-06	1.03E-06	1.36E-06	4.50E-06	3.10E-07
1540	470132.91	3818216.38	1.59E-05	6.68E-05	6.02E-06	1.33E-05	4.91E-05	4.32E-06	1.50E-06	8.60E-06	1.03E-06	1.37E-06	4.50E-06	3.10E-07
1541	470123.35	3818216.24	1.59E-05	6.68E-05	6.02E-06	1.33E-05	4.91E-05	4.32E-06	1.50E-06	8.60E-06	1.03E-06	1.37E-06	4.50E-06	3.10E-07
1542	470471.84	3818213.89	1.00E-05	4.21E-05	3.80E-06	8.36E-06	3.10E-05	2.72E-06	9.48E-07	5.42E-06	6.47E-07	8.61E-07	2.84E-06	1.96E-07
1543	470480.6	3818217.66	9.95E-06	4.18E-05	3.76E-06	8.29E-06	3.07E-05	2.70E-06	9.39E-07	5.38E-06	6.42E-07	8.54E-07	2.82E-06	1.94E-07
1544	470489.36	3818221.42	9.87E-06	4.14E-05	3.73E-06	8.22E-06	3.04E-05	2.68E-06	9.32E-07	5.33E-06	6.36E-07	8.47E-07	2.79E-06	1.93E-07
1545	470498.13	3818225.18	9.78E-06	4.11E-05	3.70E-06	8.15E-06	3.02E-05	2.65E-06	9.24E-07	5.29E-06	6.31E-07	8.40E-07	2.77E-06	1.91E-07
1546	470506.89	3818228.94	9.69E-06	4.07E-05	3.66E-06	8.07E-06	2.99E-05	2.63E-06	9.15E-07	5.24E-06	6.25E-07	8.32E-07	2.74E-06	1.89E-07
1547	470515.65	3818232.7	9.60E-06	4.03E-05	3.63E-06	7.99E-06	2.96E-05	2.61E-06	9.06E-07	5.19E-06	6.19E-07	8.24E-07	2.72E-06	1.87E-07
1548	470524.41	3818236.46	9.51E-06	3.99E-05	3.60E-06	7.92E-06	2.93E-05	2.58E-06	8.98E-07	5.14E-06	6.13E-07	8.16E-07	2.69E-06	1.85E-07
1549	470533.17	3818240.22	9.43E-06	3.96E-05	3.57E-06	7.85E-06	2.91E-05	2.56E-06	8.90E-07	5.10E-06	6.08E-07	8.09E-07	2.67E-06	1.84E-07
1550	470541.94	3818243.98	9.35E-06	3.93E-05	3.53E-06	7.79E-06	2.88E-05	2.54E-06	8.83E-07	5.05E-06	6.03E-07	8.02E-07	2.65E-06	1.82E-07
1551	470550.7	3818247.74	9.26E-06	3.89E-05	3.50E-06	7.71E-06	2.86E-05	2.51E-06	8.74E-07	5.01E-06	5.97E-07	7.95E-07	2.62E-06	1.81E-07
1552	470559.46	3818251.5	9.17E-06	3.85E-05	3.47E-06	7.64E-06	2.83E-05	2.49E-06	8.66E-07	4.96E-06	5.92E-07	7.88E-07	2.60E-06	1.79E-07
1553	470568.22	3818255.26	9.09E-06	3.82E-05	3.44E-06	7.57E-06	2.80E-05	2.47E-06	8.58E-07	4.91E-06	5.86E-07	7.80E-07	2.57E-06	1.77E-07
1554	470576.99	3818259.02	9.01E-06	3.78E-05	3.41E-06	7.50E-06	2.78E-05	2.44E-06	8.50E-07	4.87E-06	5.81E-07	7.73E-07	2.55E-06	1.76E-07
1555	470585.75	3818262.78	8.92E-06	3.75E-05	3.37E-06	7.43E-06	2.75E-05	2.42E-06	8.42E-07	4.82E-06	5.75E-07	7.66E-07	2.52E-06	1.74E-07
1556	470594.51	3818266.55	8.84E-06	3.71E-05	3.34E-06	7.36E-06	2.73E-05	2.40E-06	8.34E-07	4.78E-06	5.70E-07	7.59E-07	2.50E-06	1.72E-07
1557	470603.27	3818270.31	8.75E-06	3.67E-05	3.31E-06	7.29E-06	2.70E-05	2.38E-06	8.26E-07	4.73E-06	5.64E-07	7.51E-07	2.48E-06	1.71E-07
1558	470612.03	3818274.07	8.66E-06	3.64E-05	3.28E-06	7.22E-06	2.67E-05	2.35E-06	8.18E-07	4.68E-06	5.59E-07	7.44E-07	2.45E-06	1.69E-07
1559	470620.8	3818277.83	8.58E-06	3.60E-05	3.25E-06	7.15E-06	2.65E-05	2.33E-06	8.10E-07	4.64E-06	5.54E-07	7.37E-07	2.43E-06	1.67E-07
1560	470629.56	3818281.59	8.50E-06	3.57E-05	3.21E-06	7.08E-06	2.62E-05	2.31E-06	8.03E-07	4.60E-06	5.48E-07	7.30E-07	2.41E-06	1.66E-07
1561	470638.32	3818285.35	8.41E-06	3.53E-05	3.18E-06	7.01E-06	2.60E-05	2.28E-06	7.95E-07	4.55E-06	5.43E-07	7.22E-07	2.38E-06	1.64E-07
1562	470647.08	3818289.11	8.33E-06	3.50E-05	3.15E-06	6.94E-06	2.57E-05	2.26E-06	7.87E-07	4.50E-06	5.37E-07	7.15E-07	2.36E-06	1.63E-07
1563	470655.84	3818292.87	8.25E-06	3.46E-05	3.12E-06	6.87E-06	2.55E-05	2.24E-06	7.79E-07	4.46E-06	5.32E-07	7.08E-07	2.34E-06	1.61E-07
1564	470664.61	3818296.63	8.17E-06	3.43E-05	3.09E-06	6.80E-06	2.52E-05	2.22E-06	7.71E-07	4.42E-06	5.27E-07	7.01E-07	2.31E-06	1.59E-07
1565	470673.37	3818300.39	8.09E-06	3.40E-05	3.06E-06	6.74E-06	2.50E-05	2.20E-06	7.64E-07	4.37E-06	5.22E-07	6.94E-07	2.29E-06	1.58E-07
1566	470682.13	3818304.15	8.00E-06	3.36E-05	3.03E-06	6.66E-06	2.47E-05	2.17E-06	7.55E-07	4.32E-06	5.16E-07	6.87E-07	2.26E-06	1.56E-07
1567	470690.89	3818307.91	7.92E-06	3.33E-05	2.99E-06	6.60E-06	2.44E-05	2.15E-06	7.48E-07	4.28E-06	5.11E-07	6.80E-07	2.24E-06	1.55E-07
1568	470699.65	3818311.67	7.84E-06	3.29E-05	2.96E-06	6.53E-06	2.42E-05	2.13E-06	7.40E-07	4.24E-06	5.05E-07	6.73E-07	2.22E-06	1.53E-07
1569	470708.42	3818315.44	7.75E-06	3.25E-05	2.93E-06	6.46E-06	2.39E-05	2.10E-06	7.32E-07	4.19E-06	5.00E-07	6.65E-07	2.19E-06	1.51E-07
1570	470717.18	3818319.2	7.67E-06	3.22E-05	2.90E-06	6.39E-06	2.37E-05	2.08E-06	7.24E-07	4.15E-06	4.95E-07	6.58E-07	2.17E-06	1.50E-07
1571	470725.94	3818322.96	7.59E-06	3.19E-05	2.87E-06	6.32E-06	2.34E-05	2.06E-06	7.16E-07	4.10E-06	4.89E-07	6.51E-07	2.15E-06	1.48E-07
1572	470734.7	3818326.72	7.50E-06	3.15E-05	2.84E-06	6.25E-06	2.31E-05	2.04E-06	7.08E-07	4.05E-06	4.84E-07	6.44E-07	2.12E-06	1.46E-07
1573	470743.46	3818330.48	7.42E-06	3.12E-05	2.81E-06	6.18E-06	2.29E-05	2.01E-06	7.00E-07	4.01E-06	4.78E-07	6.37E-07	2.10E-06	1.45E-07
1574	470752.23	3818334.24	7.34E-06	3.08E-05	2.77E-06	6.11E-06	2.26E-05	1.99E-06	6.93E-07	3.97E-06	4.73E-07	6.30E-07	2.08E-06	1.43E-07
1575	470760.99	3818338	7.25E-06	3.04E-05	2.74E-06	6.04E-06	2.24E-05	1.97E-06	6.85E-07	3.92E-06	4.68E-07	6.22E-07	2.05E-06	1.41E-07
1576	470769.75	3818341.76	7.17E-06	3.01E-05	2.71E-06	5.97E-06	2.21E-05	1.95E-06	6.77E-07	3.87E-06	4.62E-07	6.15E-07	2.03E-06	1.40E-07
1577	470778.51	3818345.52	7.09E-06	2.98E-05	2.68E-06	5.90E-06	2.19E-05	1.92E-06	6.69E-07	3.83E-06	4.57E-07	6.08E-07	2.01E-06	1.38E-07
1578	470787.28	3818349.28	7.00E-06	2.94E-05	2.65E-06	5.83E-06	2.16E-05	1.90E-06	6.61E-07	3.78E-06	4.51E-07	6.01E-07	1.98E-06	1.37E-07
1579	470796.04	3818353.04	6.92E-06	2.91E-05	2.62E-06	5.76E-06	2.13E-05	1.88E-06	6.53E-07	3.74E-06	4.46E-07	5.94E-07	1.96E-06	1.35E-07
1580	470804.8	3818356.8	6.84E-06	2.87E-05	2.59E-06	5.69E-06	2.11E-05	1.86E-06	6.46E-07	3.70E-06	4.41E-07	5.87E-07	1.93E-06	1.33E-07
1581	470813.56	3818360.56	6.75E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
1582	470822.32	3818364.33	6.67E-06	2.80E-05	2.52E-06	5.55E-06	2.06E-05	1.81E-06	6.30E-07	3.60E-06	4.30E-07	5.72E-07	1.89E-06	1.30E-07
1583	470831.09	3818368.09	6.59E-06	2.77E-05	2.49E-06	5.49E-06	2.03E-05	1.79E-06	6.22E-07	3.56E-06	4.25E-07	5.65E-07	1.86E-06	1.29E-07
1584	470839.85	3818371.85	6.51E-06	2.73E-05	2.46E-06	5.42E-06	2.01E-05	1.77E-06	6.15E-07	3.52E-06	4.20E-07	5.59E-07	1.84E-06	1.27E-07
1585	470848.61	3818375.61	6.43E-06	2.70E-05	2.43E-06	5.35E-06	1.98E-05	1.74E-06	6.07E-07	3.47E-06	4.15E-07	5.52E-07	1.82E-06	1.25E-07
1586	470857.37	3818379.37	6.35E-06	2.67E-05	2.40E-06	5.29E-06	1.96E-05	1.72E-06	6.00E-07	3.43E-06	4.10E-07	5.45E-07	1.80E-06	1.24E-07
1587	470866.13	3818383.13	6.27E-06	2.63E-05	2.37E-06	5.23E-06	1.94E-05	1.70E-06	5.92E-07	3.39E-06	4.05E-07	5.39E-07	1.78E-06	1.22E-07
1588	470874.9	3818386.89	6.20E-06	2.60E-05	2.34E-06	5.16E-06	1.91E-05	1.68E-06	5.85E-07	3.35E-06	4.00E-07	5.32E-07	1.75E-06	1.21E-07
1589	470883.66	3818390.65	6.12E-06	2.57E-05	2.32E-06	5.10E-06	1.89E-05	1.66E-06	5.78E-07	3.31E-06	3.95E-07	5.26E-07	1.73E-06	1.19E-07
1590	470892.42	3818394.41	6.05E-06	2.54E-05	2.29E-06	5.04E-06	1.87E-05	1.64E-06	5.71E-07	3.27E-06	3.90E-07	5.20E-07	1.71E-06	1.18E-07
1591	470901.18	3818398.17	5.98E-06	2.51E-05	2.26E-06	4.98E-06	1.85E-05	1.62E-06	5.65E-07	3.24E-06	3.86E-07	5.14E-07	1.69E-06	1.17E-07
1592	470909.94	3818401.93	5.92E-06	2.48E-05	2.24E-06	4.93E-06	1.83E-05	1.61E-06	5.59E-07	3.20E-06	3.82E-07	5.08E-07	1.67E-06	1.15E-07
1593	470918.71	3818405.69	5.85E-06	2.46E-05	2.21E-06	4.87E-06	1.81E-05	1.59E-06	5.52E-07	3.16E-06	3.77E-07	5.02E-07	1.66E-06	1.14E-07
1594	470927.47	3818409.45	5.79E-06	2.43E-05	2.19E-06	4.82E-06	1.79E-05	1.57E-06	5.46E-07	3.13E-06	3.73E-07	4.97E-07	1.64E-06	1.13E-07
1595	470936.23	3818413.22	5.72E-06	2.40E-05	2.17E-06	4.77E-06	1.77E-05	1.55E-06	5.41E-07	3.09E-06	3.69E-07	4.91E-07	1.62E-06	1.12E-07
1596	470971.28	3818428.26	5.50E-06	2.31E-05	2.08E-06	4.58E-06	1.70E-05	1.49E-06	5.20E-07	2.98E-06	3.55E-07	4.72E-07	1.56E-06	1.07E-07
1597	470980.04	3818432.02	5.46E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.15E-07	2.95E-06	3.52E-07	4.68E-07	1.54E-06	1.06E-07
1598	470988.8	3818435.78	5.41E-06	2.27E-05	2.04E-06	4.50E-06	1.67E-05	1.47E-06	5.11E-07	2.92E-06	3.49E-07	4.64E-07	1.53E-06	1.06E-07
1599	470997.57	3818439.54	5.36E-06	2.25E-05	2.03E-06	4.47E-06	1.66E-05	1.46E-06	5.07E-07	2.90E-06	3.46E-07	4.60E-07	1.52E-06	1.05E-07
1600	471006.33	3818443.3	5.33E-06	2.24E-05	2.01E-06	4.44E-06	1.64E-05	1.45E-06	5.03E-07	2.88E-06	3.43E-07	4.57E-07	1.51E-06	1.04E-07
1601	471015.09	3818447.06	5.29E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.44E-06	4.99E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
1602	471023.85	3818450.82	5.25E-06	2.20E-05	1.98E-06	4.37E-06	1.62E-05	1.42E-06	4.96E-07	2.84E-06	3.39E-07	4.51E-07	1.49E-06	1.02E-07

1603	471032.61	3818454.58	5.21E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.42E-06	4.92E-07	2.82E-06	3.36E-07	4.48E-07	1.48E-06	1.02E-07
1604	471041.38	3818458.34	5.19E-06	2.18E-05	1.96E-06	4.32E-06	1.60E-05	1.41E-06	4.90E-07	2.80E-06	3.34E-07	4.45E-07	1.47E-06	1.01E-07
1605	471050.14	3818462.11	5.16E-06	2.17E-05	1.95E-06	4.30E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.33E-07	4.43E-07	1.46E-06	1.01E-07
1606	471058.9	3818465.87	5.13E-06	2.15E-05	1.94E-06	4.27E-06	1.58E-05	1.39E-06	4.84E-07	2.77E-06	3.31E-07	4.40E-07	1.45E-06	1.00E-07
1607	471071.22	3818478.47	5.15E-06	2.16E-05	1.95E-06	4.29E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.32E-07	4.42E-07	1.46E-06	1.01E-07
1608	471074.78	3818487.32	5.21E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.41E-06	4.92E-07	2.81E-06	3.36E-07	4.47E-07	1.47E-06	1.02E-07
1609	471078.35	3818496.16	5.26E-06	2.21E-05	1.99E-06	4.38E-06	1.62E-05	1.43E-06	4.97E-07	2.85E-06	3.39E-07	4.52E-07	1.49E-06	1.03E-07
1610	471081.91	3818505.01	5.32E-06	2.23E-05	2.01E-06	4.43E-06	1.64E-05	1.44E-06	5.02E-07	2.88E-06	3.43E-07	4.57E-07	1.51E-06	1.04E-07
1611	471085.47	3818513.85	5.38E-06	2.26E-05	2.04E-06	4.48E-06	1.66E-05	1.46E-06	5.08E-07	2.91E-06	3.47E-07	4.62E-07	1.52E-06	1.05E-07
1612	471089.03	3818522.7	5.45E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.14E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
1613	471092.59	3818531.54	5.52E-06	2.32E-05	2.09E-06	4.60E-06	1.70E-05	1.50E-06	5.21E-07	2.98E-06	3.56E-07	4.74E-07	1.56E-06	1.08E-07
1614	471096.15	3818540.39	5.59E-06	2.35E-05	2.11E-06	4.66E-06	1.72E-05	1.52E-06	5.28E-07	3.02E-06	3.61E-07	4.80E-07	1.58E-06	1.09E-07
1615	471099.71	3818549.23	5.66E-06	2.38E-05	2.14E-06	4.72E-06	1.75E-05	1.54E-06	5.35E-07	3.06E-06	3.65E-07	4.86E-07	1.60E-06	1.10E-07
1616	471103.27	3818558.08	5.74E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.42E-07	3.11E-06	3.70E-07	4.93E-07	1.63E-06	1.12E-07
1617	471106.83	3818566.92	5.83E-06	2.45E-05	2.20E-06	4.85E-06	1.80E-05	1.58E-06	5.50E-07	3.15E-06	3.76E-07	5.00E-07	1.65E-06	1.14E-07
1618	471110.39	3818575.77	5.91E-06	2.48E-05	2.24E-06	4.92E-06	1.82E-05	1.60E-06	5.58E-07	3.20E-06	3.81E-07	5.08E-07	1.67E-06	1.15E-07
1619	471113.95	3818584.61	6.00E-06	2.52E-05	2.27E-06	5.00E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
1620	471117.52	3818593.46	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.65E-06	5.76E-07	3.29E-06	3.93E-07	5.23E-07	1.73E-06	1.19E-07
1621	471121.08	3818602.3	6.19E-06	2.60E-05	2.34E-06	5.16E-06	1.91E-05	1.68E-06	5.85E-07	3.35E-06	3.99E-07	5.31E-07	1.75E-06	1.21E-07
1622	471135.32	3818637.69	6.61E-06	2.78E-05	2.50E-06	5.51E-06	2.04E-05	1.80E-06	6.25E-07	3.58E-06	4.27E-07	5.68E-07	1.87E-06	1.29E-07
1623	471138.88	3818646.53	6.73E-06	2.83E-05	2.55E-06	5.61E-06	2.08E-05	1.83E-06	6.36E-07	3.64E-06	4.34E-07	5.78E-07	1.91E-06	1.31E-07
1624	471142.44	3818655.38	6.85E-06	2.88E-05	2.59E-06	5.71E-06	2.11E-05	1.86E-06	6.47E-07	3.70E-06	4.42E-07	5.88E-07	1.94E-06	1.34E-07
1625	471146	3818664.22	6.97E-06	2.93E-05	2.64E-06	5.81E-06	2.15E-05	1.89E-06	6.58E-07	3.77E-06	4.50E-07	5.98E-07	1.97E-06	1.36E-07
1626	471149.56	3818673.07	7.10E-06	2.98E-05	2.68E-06	5.91E-06	2.19E-05	1.93E-06	6.70E-07	3.84E-06	4.58E-07	6.09E-07	2.01E-06	1.38E-07
1627	471153.13	3818681.91	7.23E-06	3.04E-05	2.73E-06	6.02E-06	2.23E-05	1.96E-06	6.83E-07	3.91E-06	4.66E-07	6.21E-07	2.05E-06	1.41E-07
1628	471156.69	3818690.76	7.37E-06	3.09E-05	2.79E-06	6.13E-06	2.27E-05	2.00E-06	6.95E-07	3.98E-06	4.75E-07	6.32E-07	2.08E-06	1.44E-07
1629	471160.25	3818699.6	7.50E-06	3.15E-05	2.84E-06	6.25E-06	2.31E-05	2.04E-06	7.08E-07	4.05E-06	4.84E-07	6.44E-07	2.12E-06	1.46E-07
1630	471163.81	3818708.45	7.64E-06	3.21E-05	2.89E-06	6.37E-06	2.36E-05	2.08E-06	7.22E-07	4.13E-06	4.93E-07	6.56E-07	2.16E-06	1.49E-07
1631	471167.37	3818717.29	7.79E-06	3.27E-05	2.95E-06	6.49E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.69E-07	2.20E-06	1.52E-07
1632	471170.93	3818726.14	7.94E-06	3.34E-05	3.00E-06	6.62E-06	2.45E-05	2.16E-06	7.50E-07	4.29E-06	5.12E-07	6.82E-07	2.25E-06	1.55E-07
1633	471174.49	3818734.98	8.10E-06	3.40E-05	3.06E-06	6.74E-06	2.50E-05	2.20E-06	7.65E-07	4.38E-06	5.22E-07	6.95E-07	2.29E-06	1.58E-07
1634	471178.05	3818743.83	8.25E-06	3.47E-05	3.12E-06	6.88E-06	2.55E-05	2.24E-06	7.80E-07	4.46E-06	5.32E-07	7.09E-07	2.34E-06	1.61E-07
1635	471181.61	3818752.67	8.42E-06	3.54E-05	3.18E-06	7.01E-06	2.60E-05	2.29E-06	7.95E-07	4.55E-06	5.43E-07	7.23E-07	2.38E-06	1.64E-07
1636	471185.17	3818761.52	8.59E-06	3.61E-05	3.25E-06	7.15E-06	2.65E-05	2.33E-06	8.11E-07	4.64E-06	5.54E-07	7.37E-07	2.43E-06	1.68E-07
1637	471188.74	3818770.36	8.76E-06	3.68E-05	3.31E-06	7.29E-06	2.70E-05	2.38E-06	8.27E-07	4.73E-06	5.65E-07	7.52E-07	2.48E-06	1.71E-07
1638	471192.3	3818779.21	8.93E-06	3.75E-05	3.38E-06	7.44E-06	2.76E-05	2.43E-06	8.44E-07	4.83E-06	5.76E-07	7.67E-07	2.53E-06	1.74E-07
1639	471195.86	3818788.05	9.12E-06	3.83E-05	3.45E-06	7.59E-06	2.81E-05	2.47E-06	8.61E-07	4.93E-06	5.88E-07	7.83E-07	2.58E-06	1.78E-07
1640	471199.42	3818796.9	9.30E-06	3.91E-05	3.52E-06	7.75E-06	2.87E-05	2.52E-06	8.78E-07	5.03E-06	6.00E-07	7.98E-07	2.63E-06	1.81E-07
1641	471202.98	3818805.74	9.49E-06	3.98E-05	3.59E-06	7.90E-06	2.93E-05	2.58E-06	8.96E-07	5.13E-06	6.12E-07	8.14E-07	2.69E-06	1.85E-07
1642	471206.54	3818814.59	9.68E-06	4.06E-05	3.66E-06	8.06E-06	2.99E-05	2.63E-06	9.14E-07	5.23E-06	6.24E-07	8.31E-07	2.74E-06	1.89E-07
1643	471210.1	3818823.43	9.88E-06	4.15E-05	3.74E-06	8.23E-06	3.05E-05	2.68E-06	9.33E-07	5.34E-06	6.37E-07	8.48E-07	2.80E-06	1.93E-07
1644	471213.66	3818832.28	1.01E-05	4.23E-05	3.81E-06	8.39E-06	3.11E-05	2.74E-06	9.52E-07	5.45E-06	6.50E-07	8.65E-07	2.85E-06	1.97E-07
1645	471217.22	3818841.12	1.03E-05	4.32E-05	3.89E-06	8.56E-06	3.17E-05	2.79E-06	9.71E-07	5.56E-06	6.63E-07	8.83E-07	2.91E-06	2.01E-07
1646	471220.78	3818849.97	1.05E-05	4.41E-05	3.97E-06	8.74E-06	3.24E-05	2.85E-06	9.91E-07	5.67E-06	6.77E-07	9.01E-07	2.97E-06	2.05E-07
1647	471224.35	3818858.81	1.07E-05	4.50E-05	4.05E-06	8.92E-06	3.30E-05	2.91E-06	1.01E-06	5.79E-06	6.91E-07	9.19E-07	3.03E-06	2.09E-07
1648	471227.91	3818867.66	1.09E-05	4.59E-05	4.13E-06	9.10E-06	3.37E-05	2.97E-06	1.03E-06	5.91E-06	7.05E-07	9.38E-07	3.09E-06	2.13E-07
1649	471231.47	3818876.5	1.12E-05	4.68E-05	4.22E-06	9.29E-06	3.44E-05	3.03E-06	1.05E-06	6.03E-06	7.20E-07	9.58E-07	3.16E-06	2.18E-07
1650	471235.03	3818885.35	1.14E-05	4.78E-05	4.30E-06	9.48E-06	3.51E-05	3.09E-06	1.07E-06	6.15E-06	7.34E-07	9.77E-07	3.22E-06	2.22E-07
1651	471238.59	3818894.2	1.16E-05	4.88E-05	4.39E-06	9.68E-06	3.58E-05	3.15E-06	1.10E-06	6.28E-06	7.49E-07	9.97E-07	3.29E-06	2.27E-07
1652	471242.15	3818903.04	1.19E-05	4.98E-05	4.48E-06	9.88E-06	3.66E-05	3.22E-06	1.12E-06	6.41E-06	7.65E-07	1.02E-06	3.36E-06	2.31E-07
1653	471245.71	3818911.89	1.21E-05	5.08E-05	4.58E-06	1.01E-05	3.73E-05	3.29E-06	1.14E-06	6.54E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
1654	471249.27	3818920.73	1.23E-05	5.19E-05	4.67E-06	1.03E-05	3.81E-05	3.35E-06	1.17E-06	6.68E-06	7.97E-07	1.06E-06	3.50E-06	2.41E-07
1655	471252.83	3818929.58	1.26E-05	5.29E-05	4.77E-06	1.05E-05	3.89E-05	3.42E-06	1.19E-06	6.81E-06	8.13E-07	1.08E-06	3.57E-06	2.46E-07
1656	471263.52	3818956.11	1.34E-05	5.62E-05	5.06E-06	1.11E-05	4.13E-05	3.63E-06	1.26E-06	7.23E-06	8.63E-07	1.15E-06	3.79E-06	2.61E-07
1657	471267.08	3818964.96	1.37E-05	5.73E-05	5.16E-06	1.14E-05	4.21E-05	3.71E-06	1.29E-06	7.38E-06	8.81E-07	1.17E-06	3.86E-06	2.66E-07
1658	471270.64	3818973.8	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.31E-06	7.53E-06	8.98E-07	1.20E-06	3.94E-06	2.72E-07
1659	471274.2	3818982.65	1.42E-05	5.96E-05	5.37E-06	1.18E-05	4.38E-05	3.85E-06	1.34E-06	7.67E-06	9.16E-07	1.22E-06	4.02E-06	2.77E-07
1660	471277.76	3818991.49	1.45E-05	6.08E-05	5.47E-06	1.21E-05	4.47E-05	3.93E-06	1.37E-06	7.82E-06	9.33E-07	1.24E-06	4.10E-06	2.82E-07
1661	471281.32	3819000.34	1.47E-05	6.19E-05	5.58E-06	1.23E-05	4.55E-05	4.00E-06	1.39E-06	7.97E-06	9.51E-07	1.27E-06	4.17E-06	2.88E-07
1662	471284.88	3819009.18	1.50E-05	6.31E-05	5.68E-06	1.25E-05	4.64E-05	4.08E-06	1.42E-06	8.12E-06	9.69E-07	1.29E-06	4.25E-06	2.93E-07
1663	471288.44	3819018.03	1.53E-05	6.42E-05	5.79E-06	1.27E-05	4.72E-05	4.15E-06	1.44E-06	8.27E-06	9.87E-07	1.31E-06	4.33E-06	2.98E-07
1664	471313.37	3819079.94	1.72E-05	7.23E-05	6.51E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.30E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
1665	471316.93	3819088.79	1.75E-05	7.34E-05	6.61E-06	1.45E-05	5.39E-05	4.74E-06	1.65E-06	9.44E-06	1.13E-06	1.50E-06	4.94E-06	3.41E-07
1666	471320.49	3819097.63	1.77E-05	7.44E-05	6.70E-06	1.48E-05	5.47E-05	4.81E-06	1.67E-06	9.58E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
1667	471324.05	3819106.48	1.80E-05	7.55E-05	6.80E-06	1.50E-05	5.55E-05	4.88E-06	1.70E-06	9.72E-06	1.16E-06	1.54E-06	5.09E-06	3.51E-07
1668	471327.61	3819115.32	1.82E-05	7.65E-05	6.89E-06	1.52E-05	5.62E-05	4.95E-06	1.72E-06	9.85E-06	1.18E-06	1.56E-06	5.16E-06	3.55E-07
1669	471331.18	3819124.17	1.85E-05	7.75E-05	6.98E-06	1.54E-05	5.70E-05	5.01E-06	1.74E-06	9.98E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
1670	471334.74	3819133.01	1.87E-05	7.85E-05	7.07E-06	1.56E-05	5.77E-05	5.07E-06	1.77E-06	1.01E-05	1.21E-06	1.60E-06	5.29E-06	3.65E-07
1671	471341.86	3819150.7	1.91E-05	8.04E-05	7.24E-06	1.59E-05	5.91E-05	5.20E-06	1.81E-06	1.04E-05	1.23E-06	1.64E-06	5.42E-06	3.74E-07
1672	471345.42	3819159.55	1.94E-05	8.13E-05	7.32E-06	1.61E-05	5.98E-05	5.26E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.48E-06	3.78E-07
1673	471348.98	3819168.4	1.96E-05	8.22E-05	7.40E-06	1.63E-05	6.04E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.54E-06	3.82E-07
1674	471352.54	3819177.24	1.98E-05	8.30E-05	7.48E-06	1.65E-05	6.10E-05	5.37E-06	1.87E-06	1.07E-05	1.27E-06	1.70E-06	5.60E-06	3.86E-07
1675	471356.1	3819186.09	2.00E-05	8.38E-05	7.55E-06	1.66E-05	6.16E-05	5.42E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.65E-06	3.89E-07

1676	471359.66	3819194.93	2.01E-05	8.46E-05	7.62E-06	1.68E-05	6.21E-05	5.47E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.70E-06	3.93E-07
1677	471363.22	3819203.78	2.03E-05	8.53E-05	7.68E-06	1.69E-05	6.27E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.75E-06	3.96E-07
1678	471366.79	3819212.62	2.05E-05	8.60E-05	7.74E-06	1.70E-05	6.32E-05	5.56E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.79E-06	3.99E-07
1679	471370.35	3819221.47	2.06E-05	8.66E-05	7.80E-06	1.72E-05	6.36E-05	5.60E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.84E-06	4.02E-07
1680	470248.79	3818138	1.26E-05	5.30E-05	4.77E-06	1.05E-05	3.89E-05	3.43E-06	1.19E-06	6.82E-06	8.14E-07	1.08E-06	3.57E-06	2.46E-07
1681	470239.22	3818137.87	1.27E-05	5.35E-05	4.82E-06	1.06E-05	3.93E-05	3.46E-06	1.20E-06	6.89E-06	8.22E-07	1.09E-06	3.61E-06	2.49E-07
1682	470229.66	3818137.73	1.29E-05	5.40E-05	4.86E-06	1.07E-05	3.97E-05	3.49E-06	1.21E-06	6.95E-06	8.29E-07	1.10E-06	3.64E-06	2.51E-07
1683	470220.1	3818137.6	1.30E-05	5.44E-05	4.90E-06	1.08E-05	4.00E-05	3.52E-06	1.22E-06	7.01E-06	8.36E-07	1.11E-06	3.67E-06	2.53E-07
1684	470210.54	3818137.46	1.31E-05	5.49E-05	4.94E-06	1.09E-05	4.03E-05	3.55E-06	1.23E-06	7.07E-06	8.43E-07	1.12E-06	3.70E-06	2.55E-07
1685	470200.98	3818137.33	1.32E-05	5.53E-05	4.98E-06	1.10E-05	4.06E-05	3.57E-06	1.24E-06	7.12E-06	8.49E-07	1.13E-06	3.73E-06	2.57E-07
1686	470191.41	3818137.19	1.32E-05	5.56E-05	5.01E-06	1.10E-05	4.09E-05	3.60E-06	1.25E-06	7.16E-06	8.55E-07	1.14E-06	3.75E-06	2.59E-07
1687	470181.85	3818137.06	1.33E-05	5.60E-05	5.04E-06	1.11E-05	4.11E-05	3.62E-06	1.26E-06	7.21E-06	8.60E-07	1.14E-06	3.77E-06	2.60E-07
1688	470172.29	3818136.92	1.34E-05	5.62E-05	5.07E-06	1.12E-05	4.13E-05	3.64E-06	1.26E-06	7.24E-06	8.64E-07	1.15E-06	3.79E-06	2.61E-07
1689	470162.73	3818136.79	1.34E-05	5.65E-05	5.09E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.27E-06	8.67E-07	1.15E-06	3.81E-06	2.62E-07
1690	470153.16	3818136.65	1.35E-05	5.66E-05	5.10E-06	1.12E-05	4.16E-05	3.66E-06	1.27E-06	7.29E-06	8.70E-07	1.16E-06	3.82E-06	2.63E-07
1691	470143.6	3818136.52	1.35E-05	5.67E-05	5.11E-06	1.13E-05	4.17E-05	3.67E-06	1.28E-06	7.30E-06	8.71E-07	1.16E-06	3.82E-06	2.64E-07
1692	470134.04	3818136.38	1.35E-05	5.68E-05	5.11E-06	1.13E-05	4.17E-05	3.67E-06	1.28E-06	7.31E-06	8.72E-07	1.16E-06	3.83E-06	2.64E-07
1693	470124.48	3818136.25	1.35E-05	5.67E-05	5.11E-06	1.13E-05	4.17E-05	3.67E-06	1.28E-06	7.30E-06	8.71E-07	1.16E-06	3.82E-06	2.64E-07
1694	470445.74	3818122.22	9.12E-06	3.83E-05	3.45E-06	7.60E-06	2.81E-05	2.48E-06	8.61E-07	4.93E-06	5.88E-07	7.83E-07	2.58E-06	1.78E-07
1695	470454.45	3818125.95	9.03E-06	3.79E-05	3.42E-06	7.53E-06	2.79E-05	2.45E-06	8.53E-07	4.88E-06	5.83E-07	7.76E-07	2.56E-06	1.76E-07
1696	470463.16	3818129.69	8.95E-06	3.76E-05	3.38E-06	7.45E-06	2.76E-05	2.43E-06	8.45E-07	4.84E-06	5.77E-07	7.68E-07	2.53E-06	1.75E-07
1697	470471.86	3818133.43	8.86E-06	3.72E-05	3.35E-06	7.38E-06	2.73E-05	2.41E-06	8.37E-07	4.79E-06	5.72E-07	7.61E-07	2.51E-06	1.73E-07
1698	470480.57	3818137.16	8.78E-06	3.69E-05	3.32E-06	7.32E-06	2.71E-05	2.38E-06	8.29E-07	4.75E-06	5.67E-07	7.54E-07	2.49E-06	1.71E-07
1699	470489.28	3818140.9	8.71E-06	3.66E-05	3.29E-06	7.26E-06	2.69E-05	2.36E-06	8.23E-07	4.71E-06	5.62E-07	7.48E-07	2.47E-06	1.70E-07
1700	470497.98	3818144.64	8.64E-06	3.63E-05	3.27E-06	7.20E-06	2.67E-05	2.35E-06	8.16E-07	4.67E-06	5.58E-07	7.42E-07	2.45E-06	1.69E-07
1701	470506.69	3818148.38	8.56E-06	3.60E-05	3.24E-06	7.13E-06	2.64E-05	2.32E-06	8.09E-07	4.63E-06	5.52E-07	7.35E-07	2.42E-06	1.67E-07
1702	470515.4	3818152.11	8.48E-06	3.56E-05	3.21E-06	7.06E-06	2.62E-05	2.30E-06	8.01E-07	4.58E-06	5.47E-07	7.28E-07	2.40E-06	1.65E-07
1703	470524.1	3818155.85	8.40E-06	3.53E-05	3.18E-06	7.00E-06	2.59E-05	2.28E-06	7.94E-07	4.54E-06	5.42E-07	7.21E-07	2.38E-06	1.64E-07
1704	470532.81	3818159.59	8.34E-06	3.50E-05	3.15E-06	6.94E-06	2.57E-05	2.26E-06	7.87E-07	4.51E-06	5.38E-07	7.16E-07	2.36E-06	1.63E-07
1705	470541.52	3818163.32	8.27E-06	3.47E-05	3.13E-06	6.89E-06	2.55E-05	2.25E-06	7.81E-07	4.47E-06	5.34E-07	7.10E-07	2.34E-06	1.61E-07
1706	470550.22	3818167.06	8.22E-06	3.45E-05	3.11E-06	6.85E-06	2.54E-05	2.23E-06	7.76E-07	4.44E-06	5.30E-07	7.06E-07	2.33E-06	1.60E-07
1707	470558.93	3818170.8	8.16E-06	3.43E-05	3.09E-06	6.80E-06	2.52E-05	2.22E-06	7.71E-07	4.41E-06	5.27E-07	7.01E-07	2.31E-06	1.59E-07
1708	470567.64	3818174.54	8.09E-06	3.40E-05	3.06E-06	6.74E-06	2.50E-05	2.20E-06	7.64E-07	4.37E-06	5.22E-07	6.95E-07	2.29E-06	1.58E-07
1709	470576.34	3818178.27	8.02E-06	3.37E-05	3.03E-06	6.68E-06	2.47E-05	2.18E-06	7.57E-07	4.34E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
1710	470585.05	3818182.01	7.95E-06	3.34E-05	3.01E-06	6.62E-06	2.45E-05	2.16E-06	7.51E-07	4.30E-06	5.13E-07	6.83E-07	2.25E-06	1.55E-07
1711	470593.76	3818185.75	7.88E-06	3.31E-05	2.98E-06	6.57E-06	2.43E-05	2.14E-06	7.45E-07	4.26E-06	5.09E-07	6.77E-07	2.23E-06	1.54E-07
1712	470602.46	3818189.48	7.82E-06	3.28E-05	2.96E-06	6.51E-06	2.41E-05	2.12E-06	7.38E-07	4.23E-06	5.04E-07	6.71E-07	2.21E-06	1.53E-07
1713	470611.17	3818193.22	7.75E-06	3.25E-05	2.93E-06	6.46E-06	2.39E-05	2.10E-06	7.32E-07	4.19E-06	5.00E-07	6.65E-07	2.19E-06	1.51E-07
1714	470619.88	3818196.96	7.68E-06	3.23E-05	2.91E-06	6.40E-06	2.37E-05	2.09E-06	7.25E-07	4.15E-06	4.96E-07	6.60E-07	2.17E-06	1.50E-07
1715	470628.58	3818200.69	7.62E-06	3.20E-05	2.88E-06	6.34E-06	2.35E-05	2.07E-06	7.19E-07	4.12E-06	4.91E-07	6.54E-07	2.16E-06	1.49E-07
1716	470637.29	3818204.43	7.55E-06	3.17E-05	2.85E-06	6.29E-06	2.33E-05	2.05E-06	7.13E-07	4.08E-06	4.87E-07	6.48E-07	2.14E-06	1.47E-07
1717	470646	3818208.17	7.48E-06	3.14E-05	2.83E-06	6.23E-06	2.31E-05	2.03E-06	7.06E-07	4.04E-06	4.82E-07	6.42E-07	2.12E-06	1.46E-07
1718	470654.7	3818211.91	7.41E-06	3.11E-05	2.80E-06	6.17E-06	2.29E-05	2.01E-06	7.00E-07	4.01E-06	4.78E-07	6.36E-07	2.10E-06	1.45E-07
1719	470663.41	3818215.64	7.35E-06	3.08E-05	2.78E-06	6.12E-06	2.27E-05	1.99E-06	6.94E-07	3.97E-06	4.74E-07	6.31E-07	2.08E-06	1.43E-07
1720	470672.12	3818219.38	7.28E-06	3.06E-05	2.75E-06	6.07E-06	2.25E-05	1.98E-06	6.88E-07	3.94E-06	4.70E-07	6.25E-07	2.06E-06	1.42E-07
1721	470680.82	3818223.12	7.22E-06	3.03E-05	2.73E-06	6.01E-06	2.23E-05	1.96E-06	6.81E-07	3.90E-06	4.65E-07	6.19E-07	2.04E-06	1.41E-07
1722	470689.53	3818226.85	7.15E-06	3.00E-05	2.70E-06	5.95E-06	2.21E-05	1.94E-06	6.75E-07	3.86E-06	4.61E-07	6.14E-07	2.02E-06	1.39E-07
1723	470698.24	3818230.59	7.08E-06	2.97E-05	2.68E-06	5.90E-06	2.19E-05	1.92E-06	6.69E-07	3.83E-06	4.57E-07	6.08E-07	2.00E-06	1.38E-07
1724	470706.94	3818234.33	7.02E-06	2.95E-05	2.65E-06	5.85E-06	2.17E-05	1.91E-06	6.63E-07	3.79E-06	4.53E-07	6.03E-07	1.99E-06	1.37E-07
1725	470715.65	3818238.06	6.95E-06	2.92E-05	2.63E-06	5.79E-06	2.15E-05	1.89E-06	6.56E-07	3.76E-06	4.48E-07	5.97E-07	1.97E-06	1.36E-07
1726	470724.36	3818241.8	6.88E-06	2.89E-05	2.60E-06	5.73E-06	2.12E-05	1.87E-06	6.50E-07	3.72E-06	4.44E-07	5.91E-07	1.95E-06	1.34E-07
1727	470733.07	3818245.54	6.82E-06	2.86E-05	2.58E-06	5.68E-06	2.10E-05	1.85E-06	6.44E-07	3.69E-06	4.40E-07	5.85E-07	1.93E-06	1.33E-07
1728	470741.77	3818249.28	6.75E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
1729	470750.48	3818253.01	6.68E-06	2.81E-05	2.53E-06	5.57E-06	2.06E-05	1.81E-06	6.31E-07	3.61E-06	4.31E-07	5.74E-07	1.89E-06	1.30E-07
1730	470759.19	3818256.75	6.61E-06	2.78E-05	2.50E-06	5.51E-06	2.04E-05	1.80E-06	6.25E-07	3.58E-06	4.27E-07	5.68E-07	1.87E-06	1.29E-07
1731	470767.89	3818260.49	6.55E-06	2.75E-05	2.48E-06	5.45E-06	2.02E-05	1.78E-06	6.18E-07	3.54E-06	4.22E-07	5.62E-07	1.85E-06	1.28E-07
1732	470776.6	3818264.22	6.48E-06	2.72E-05	2.45E-06	5.40E-06	2.00E-05	1.76E-06	6.12E-07	3.50E-06	4.18E-07	5.56E-07	1.83E-06	1.26E-07
1733	470785.31	3818267.96	6.41E-06	2.69E-05	2.42E-06	5.34E-06	1.98E-05	1.74E-06	6.05E-07	3.46E-06	4.13E-07	5.50E-07	1.81E-06	1.25E-07
1734	470794.01	3818271.7	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.99E-07	3.43E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
1735	470802.72	3818275.43	6.27E-06	2.63E-05	2.37E-06	5.23E-06	1.94E-05	1.70E-06	5.92E-07	3.39E-06	4.05E-07	5.39E-07	1.78E-06	1.22E-07
1736	470811.43	3818279.17	6.21E-06	2.61E-05	2.35E-06	5.17E-06	1.91E-05	1.68E-06	5.86E-07	3.35E-06	4.00E-07	5.33E-07	1.76E-06	1.21E-07
1737	470820.13	3818282.91	6.14E-06	2.58E-05	2.32E-06	5.11E-06	1.89E-05	1.67E-06	5.80E-07	3.32E-06	3.96E-07	5.27E-07	1.74E-06	1.20E-07
1738	470828.84	3818286.65	6.07E-06	2.55E-05	2.29E-06	5.05E-06	1.87E-05	1.65E-06	5.73E-07	3.28E-06	3.91E-07	5.21E-07	1.72E-06	1.18E-07
1739	470837.55	3818290.38	6.00E-06	2.52E-05	2.27E-06	5.00E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
1740	470846.25	3818294.12	5.93E-06	2.49E-05	2.24E-06	4.94E-06	1.83E-05	1.61E-06	5.60E-07	3.21E-06	3.83E-07	5.09E-07	1.68E-06	1.16E-07
1741	470854.96	3818297.86	5.87E-06	2.46E-05	2.22E-06	4.89E-06	1.81E-05	1.59E-06	5.54E-07	3.17E-06	3.79E-07	5.04E-07	1.66E-06	1.15E-07
1742	470863.67	3818301.59	5.80E-06	2.44E-05	2.19E-06	4.83E-06	1.79E-05	1.57E-06	5.48E-07	3.14E-06	3.74E-07	4.98E-07	1.64E-06	1.13E-07
1743	470872.37	3818305.33	5.73E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.41E-07	3.10E-06	3.70E-07	4.92E-07	1.62E-06	1.12E-07
1744	470881.08	3818309.07	5.67E-06	2.38E-05	2.14E-06	4.72E-06	1.75E-05	1.54E-06	5.35E-07	3.06E-06	3.66E-07	4.86E-07	1.60E-06	1.11E-07
1745	470889.79	3818312.8	5.60E-06	2.35E-05	2.12E-06	4.66E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.58E-06	1.09E-07
1746	470898.49	3818316.54	5.54E-06	2.33E-05	2.09E-06	4.61E-06	1.71E-05	1.50E-06	5.23E-07	2.99E-06	3.57E-07	4.75E-07	1.57E-06	1.08E-07
1747	470907.2	3818320.28	5.47E-06	2.30E-05	2.07E-06	4.56E-06	1.69E-05	1.49E-06	5.17E-07	2.96E-06	3.53E-07	4.70E-07	1.55E-06	1.07E-07
1748	470915.91	3818324.02	5.41E-06	2.27E-05	2.05E-06	4.51E-06	1.67E-05	1.47E-06	5.11E-07	2.93E-06	3.49E-07	4.65E-07	1.53E-06	1.06E-07

1749	470924.61	3818327.75	5.35E-06	2.25E-05	2.02E-06	4.46E-06	1.65E-05	1.45E-06	5.05E-07	2.89E-06	3.45E-07	4.59E-07	1.51E-06	1.04E-07
1750	470933.32	3818331.49	5.29E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.44E-06	4.99E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
1751	470942.03	3818335.23	5.23E-06	2.20E-05	1.98E-06	4.36E-06	1.61E-05	1.42E-06	4.94E-07	2.83E-06	3.37E-07	4.49E-07	1.48E-06	1.02E-07
1752	470950.73	3818338.96	5.17E-06	2.17E-05	1.96E-06	4.31E-06	1.60E-05	1.40E-06	4.88E-07	2.80E-06	3.34E-07	4.44E-07	1.46E-06	1.01E-07
1753	470959.44	3818342.7	5.12E-06	2.15E-05	1.94E-06	4.26E-06	1.58E-05	1.39E-06	4.83E-07	2.77E-06	3.30E-07	4.39E-07	1.45E-06	9.99E-08
1754	470968.15	3818346.44	5.06E-06	2.13E-05	1.91E-06	4.22E-06	1.56E-05	1.37E-06	4.78E-07	2.74E-06	3.26E-07	4.34E-07	1.43E-06	9.87E-08
1755	470976.85	3818350.17	5.01E-06	2.11E-05	1.90E-06	4.18E-06	1.55E-05	1.36E-06	4.73E-07	2.71E-06	3.23E-07	4.30E-07	1.42E-06	9.78E-08
1756	470985.56	3818353.91	4.96E-06	2.08E-05	1.88E-06	4.13E-06	1.53E-05	1.35E-06	4.68E-07	2.68E-06	3.20E-07	4.26E-07	1.40E-06	9.68E-08
1757	470994.27	3818357.65	4.91E-06	2.06E-05	1.86E-06	4.09E-06	1.52E-05	1.33E-06	4.64E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.58E-08
1758	471029.09	3818372.6	4.73E-06	1.99E-05	1.79E-06	3.94E-06	1.46E-05	1.28E-06	4.47E-07	2.56E-06	3.05E-07	4.06E-07	1.34E-06	9.23E-08
1759	471037.8	3818376.33	4.69E-06	1.97E-05	1.77E-06	3.91E-06	1.45E-05	1.27E-06	4.43E-07	2.54E-06	3.03E-07	4.03E-07	1.33E-06	9.15E-08
1760	471046.51	3818380.07	4.65E-06	1.95E-05	1.76E-06	3.87E-06	1.44E-05	1.26E-06	4.39E-07	2.51E-06	3.00E-07	3.99E-07	1.32E-06	9.08E-08
1761	471055.21	3818383.81	4.62E-06	1.94E-05	1.75E-06	3.85E-06	1.43E-05	1.25E-06	4.36E-07	2.50E-06	2.98E-07	3.96E-07	1.31E-06	9.01E-08
1762	471063.92	3818387.55	4.58E-06	1.93E-05	1.73E-06	3.82E-06	1.41E-05	1.24E-06	4.33E-07	2.48E-06	2.96E-07	3.94E-07	1.30E-06	8.95E-08
1763	471072.63	3818391.28	4.55E-06	1.91E-05	1.72E-06	3.79E-06	1.40E-05	1.24E-06	4.30E-07	2.46E-06	2.94E-07	3.91E-07	1.29E-06	8.88E-08
1764	471081.34	3818395.02	4.52E-06	1.90E-05	1.71E-06	3.77E-06	1.40E-05	1.23E-06	4.27E-07	2.44E-06	2.92E-07	3.88E-07	1.28E-06	8.82E-08
1765	471090.04	3818398.76	4.50E-06	1.89E-05	1.70E-06	3.75E-06	1.39E-05	1.22E-06	4.25E-07	2.43E-06	2.90E-07	3.86E-07	1.27E-06	8.78E-08
1766	471098.75	3818402.49	4.47E-06	1.88E-05	1.69E-06	3.73E-06	1.38E-05	1.21E-06	4.22E-07	2.42E-06	2.89E-07	3.84E-07	1.27E-06	8.73E-08
1767	471107.46	3818406.23	4.45E-06	1.87E-05	1.68E-06	3.71E-06	1.37E-05	1.21E-06	4.20E-07	2.41E-06	2.87E-07	3.82E-07	1.26E-06	8.68E-08
1768	471116.16	3818409.97	4.43E-06	1.86E-05	1.67E-06	3.69E-06	1.37E-05	1.20E-06	4.18E-07	2.39E-06	2.85E-07	3.80E-07	1.25E-06	8.64E-08
1769	471128.41	3818422.49	4.45E-06	1.87E-05	1.68E-06	3.71E-06	1.37E-05	1.21E-06	4.20E-07	2.41E-06	2.87E-07	3.82E-07	1.26E-06	8.68E-08
1770	471131.95	3818431.28	4.49E-06	1.88E-05	1.70E-06	3.74E-06	1.39E-05	1.22E-06	4.24E-07	2.43E-06	2.89E-07	3.85E-07	1.27E-06	8.76E-08
1771	471135.48	3818440.07	4.54E-06	1.91E-05	1.72E-06	3.78E-06	1.40E-05	1.23E-06	4.28E-07	2.45E-06	2.93E-07	3.89E-07	1.28E-06	8.85E-08
1772	471139.02	3818448.86	4.58E-06	1.93E-05	1.73E-06	3.82E-06	1.41E-05	1.24E-06	4.33E-07	2.48E-06	2.96E-07	3.94E-07	1.30E-06	8.95E-08
1773	471142.56	3818457.65	4.63E-06	1.95E-05	1.75E-06	3.86E-06	1.43E-05	1.26E-06	4.37E-07	2.50E-06	2.99E-07	3.98E-07	1.31E-06	9.04E-08
1774	471146.1	3818466.44	4.69E-06	1.97E-05	1.77E-06	3.90E-06	1.45E-05	1.27E-06	4.42E-07	2.53E-06	3.02E-07	4.02E-07	1.33E-06	9.14E-08
1775	471149.64	3818475.23	4.74E-06	1.99E-05	1.79E-06	3.95E-06	1.46E-05	1.29E-06	4.47E-07	2.56E-06	3.06E-07	4.07E-07	1.34E-06	9.25E-08
1776	471153.18	3818484.02	4.80E-06	2.01E-05	1.81E-06	3.99E-06	1.48E-05	1.30E-06	4.53E-07	2.59E-06	3.09E-07	4.12E-07	1.36E-06	9.36E-08
1777	471156.72	3818492.81	4.86E-06	2.04E-05	1.84E-06	4.05E-06	1.50E-05	1.32E-06	4.59E-07	2.63E-06	3.13E-07	4.17E-07	1.38E-06	9.48E-08
1778	471163.79	3818510.39	4.98E-06	2.09E-05	1.88E-06	4.15E-06	1.54E-05	1.35E-06	4.71E-07	2.69E-06	3.21E-07	4.28E-07	1.41E-06	9.72E-08
1779	471167.33	3818519.18	5.05E-06	2.12E-05	1.91E-06	4.21E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.26E-07	4.34E-07	1.43E-06	9.86E-08
1780	471170.87	3818527.97	5.12E-06	2.15E-05	1.94E-06	4.27E-06	1.58E-05	1.39E-06	4.84E-07	2.77E-06	3.30E-07	4.40E-07	1.45E-06	1.00E-07
1781	471174.41	3818536.75	5.20E-06	2.18E-05	1.96E-06	4.33E-06	1.60E-05	1.41E-06	4.91E-07	2.81E-06	3.35E-07	4.46E-07	1.47E-06	1.01E-07
1782	471177.95	3818545.54	5.27E-06	2.21E-05	1.99E-06	4.39E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
1783	471181.48	3818554.33	5.35E-06	2.25E-05	2.02E-06	4.46E-06	1.65E-05	1.45E-06	5.05E-07	2.89E-06	3.45E-07	4.59E-07	1.51E-06	1.04E-07
1784	471185.02	3818563.12	5.43E-06	2.28E-05	2.05E-06	4.52E-06	1.68E-05	1.47E-06	5.13E-07	2.94E-06	3.50E-07	4.66E-07	1.54E-06	1.06E-07
1785	471188.56	3818571.91	5.52E-06	2.32E-05	2.09E-06	4.60E-06	1.70E-05	1.50E-06	5.21E-07	2.98E-06	3.56E-07	4.74E-07	1.56E-06	1.08E-07
1786	471192.1	3818580.7	5.60E-06	2.35E-05	2.12E-06	4.67E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.59E-06	1.09E-07
1787	471195.64	3818589.49	5.70E-06	2.39E-05	2.15E-06	4.74E-06	1.76E-05	1.55E-06	5.38E-07	3.08E-06	3.67E-07	4.89E-07	1.61E-06	1.11E-07
1788	471199.18	3818598.28	5.79E-06	2.43E-05	2.19E-06	4.82E-06	1.79E-05	1.57E-06	5.46E-07	3.13E-06	3.73E-07	4.97E-07	1.64E-06	1.13E-07
1789	471202.72	3818607.07	5.88E-06	2.47E-05	2.23E-06	4.90E-06	1.82E-05	1.60E-06	5.56E-07	3.18E-06	3.79E-07	5.05E-07	1.67E-06	1.15E-07
1790	471206.25	3818615.86	5.98E-06	2.51E-05	2.26E-06	4.98E-06	1.85E-05	1.62E-06	5.65E-07	3.23E-06	3.86E-07	5.13E-07	1.69E-06	1.17E-07
1791	471209.79	3818624.65	6.08E-06	2.55E-05	2.30E-06	5.06E-06	1.88E-05	1.65E-06	5.74E-07	3.29E-06	3.92E-07	5.22E-07	1.72E-06	1.19E-07
1792	471213.33	3818633.44	6.19E-06	2.60E-05	2.34E-06	5.15E-06	1.91E-05	1.68E-06	5.84E-07	3.34E-06	3.99E-07	5.31E-07	1.75E-06	1.21E-07
1793	471216.87	3818642.23	6.29E-06	2.64E-05	2.38E-06	5.24E-06	1.94E-05	1.71E-06	5.94E-07	3.40E-06	4.06E-07	5.40E-07	1.78E-06	1.23E-07
1794	471220.41	3818651.02	6.40E-06	2.69E-05	2.42E-06	5.33E-06	1.98E-05	1.74E-06	6.05E-07	3.46E-06	4.13E-07	5.50E-07	1.81E-06	1.25E-07
1795	471223.95	3818659.8	6.51E-06	2.74E-05	2.46E-06	5.43E-06	2.01E-05	1.77E-06	6.15E-07	3.52E-06	4.20E-07	5.59E-07	1.84E-06	1.27E-07
1796	471227.49	3818668.59	6.63E-06	2.78E-05	2.51E-06	5.52E-06	2.05E-05	1.80E-06	6.26E-07	3.58E-06	4.28E-07	5.69E-07	1.88E-06	1.29E-07
1797	471231.02	3818677.38	6.75E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
1798	471234.56	3818686.17	6.87E-06	2.88E-05	2.60E-06	5.72E-06	2.12E-05	1.86E-06	6.49E-07	3.71E-06	4.43E-07	5.90E-07	1.94E-06	1.34E-07
1799	471238.1	3818694.96	6.99E-06	2.94E-05	2.65E-06	5.83E-06	2.16E-05	1.90E-06	6.61E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
1800	471241.64	3818703.75	7.12E-06	2.99E-05	2.69E-06	5.93E-06	2.20E-05	1.93E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
1801	471245.18	3818712.54	7.25E-06	3.05E-05	2.74E-06	6.04E-06	2.24E-05	1.97E-06	6.85E-07	3.92E-06	4.68E-07	6.23E-07	2.05E-06	1.42E-07
1802	471248.72	3818721.33	7.39E-06	3.10E-05	2.79E-06	6.15E-06	2.28E-05	2.01E-06	6.98E-07	3.99E-06	4.77E-07	6.34E-07	2.09E-06	1.44E-07
1803	471252.25	3818730.12	7.53E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.11E-07	4.07E-06	4.86E-07	6.46E-07	2.13E-06	1.47E-07
1804	471255.79	3818738.91	7.67E-06	3.22E-05	2.90E-06	6.39E-06	2.37E-05	2.08E-06	7.24E-07	4.15E-06	4.95E-07	6.58E-07	2.17E-06	1.50E-07
1805	471259.33	3818747.7	7.81E-06	3.28E-05	2.95E-06	6.51E-06	2.41E-05	2.12E-06	7.38E-07	4.22E-06	5.04E-07	6.71E-07	2.21E-06	1.52E-07
1806	471262.87	3818756.49	7.96E-06	3.34E-05	3.01E-06	6.63E-06	2.46E-05	2.16E-06	7.52E-07	4.30E-06	5.14E-07	6.83E-07	2.25E-06	1.55E-07
1807	471266.41	3818765.28	8.11E-06	3.41E-05	3.07E-06	6.76E-06	2.50E-05	2.20E-06	7.66E-07	4.38E-06	5.23E-07	6.96E-07	2.30E-06	1.58E-07
1808	471269.95	3818774.07	8.26E-06	3.47E-05	3.13E-06	6.88E-06	2.55E-05	2.24E-06	7.80E-07	4.47E-06	5.33E-07	7.09E-07	2.34E-06	1.61E-07
1809	471273.49	3818782.85	8.42E-06	3.54E-05	3.19E-06	7.02E-06	2.60E-05	2.29E-06	7.95E-07	4.55E-06	5.43E-07	7.23E-07	2.38E-06	1.64E-07
1810	471277.02	3818791.64	8.58E-06	3.60E-05	3.25E-06	7.15E-06	2.65E-05	2.33E-06	8.10E-07	4.64E-06	5.54E-07	7.37E-07	2.43E-06	1.67E-07
1811	471280.56	3818800.43	8.75E-06	3.67E-05	3.31E-06	7.28E-06	2.70E-05	2.37E-06	8.26E-07	4.73E-06	5.64E-07	7.51E-07	2.48E-06	1.71E-07
1812	471284.1	3818809.22	8.91E-06	3.74E-05	3.37E-06	7.42E-06	2.75E-05	2.42E-06	8.42E-07	4.82E-06	5.75E-07	7.65E-07	2.52E-06	1.74E-07
1813	471287.64	3818818.01	9.08E-06	3.81E-05	3.43E-06	7.57E-06	2.80E-05	2.47E-06	8.58E-07	4.91E-06	5.86E-07	7.80E-07	2.57E-06	1.77E-07
1814	471291.18	3818826.8	9.26E-06	3.89E-05	3.50E-06	7.71E-06	2.86E-05	2.51E-06	8.74E-07	5.00E-06	5.97E-07	7.95E-07	2.62E-06	1.81E-07
1815	471312.41	3818879.54	1.04E-05	4.36E-05	3.93E-06	8.65E-06	3.20E-05	2.82E-06	9.81E-07	5.61E-06	6.70E-07	8.92E-07	2.94E-06	2.03E-07
1816	471315.95	3818888.33	1.06E-05	4.44E-05	4.00E-06	8.82E-06	3.27E-05	2.87E-06	9.99E-07	5.72E-06	6.83E-07	9.09E-07	3.00E-06	2.07E-07
1817	471319.49	3818897.12	1.08E-05	4.53E-05	4.08E-06	8.99E-06	3.33E-05	2.93E-06	1.02E-06	5.83E-06	6.96E-07	9.26E-07	3.05E-06	2.11E-07
1818	471323.02	3818905.9	1.10E-05	4.62E-05	4.16E-06	9.16E-06	3.39E-05	2.99E-06	1.04E-06	5.94E-06	7.09E-07	9.44E-07	3.11E-06	2.15E-07
1819	471326.56	3818914.69	1.12E-05	4.71E-05	4.24E-06	9.34E-06	3.46E-05	3.04E-06	1.06E-06	6.06E-06	7.23E-07	9.62E-07	3.17E-06	2.19E-07
1820	471330.1	3818923.48	1.14E-05	4.80E-05	4.32E-06	9.52E-06	3.53E-05	3.10E-06	1.08E-06	6.18E-06	7.37E-07	9.81E-07	3.23E-06	2.23E-07
1821	471333.64	3818932.27	1.16E-05	4.89E-05	4.40E-06	9.70E-06	3.59E-05	3.16E-06	1.10E-06	6.29E-06	7.51E-07	9.99E-07	3.30E-06	2.27E-07

1822	471340.72	3818949.85	1.21E-05	5.08E-05	4.57E-06	1.01E-05	3.73E-05	3.28E-06	1.14E-06	6.54E-06	7.80E-07	1.04E-06	3.42E-06	2.36E-07
1823	471344.26	3818958.64	1.23E-05	5.17E-05	4.66E-06	1.03E-05	3.80E-05	3.34E-06	1.16E-06	6.66E-06	7.94E-07	1.06E-06	3.49E-06	2.40E-07
1824	471347.79	3818967.43	1.25E-05	5.27E-05	4.74E-06	1.04E-05	3.87E-05	3.40E-06	1.18E-06	6.78E-06	8.09E-07	1.08E-06	3.55E-06	2.45E-07
1825	471351.33	3818976.22	1.28E-05	5.36E-05	4.83E-06	1.06E-05	3.94E-05	3.47E-06	1.21E-06	6.90E-06	8.23E-07	1.10E-06	3.61E-06	2.49E-07
1826	471354.87	3818985.01	1.30E-05	5.46E-05	4.91E-06	1.08E-05	4.01E-05	3.53E-06	1.23E-06	7.02E-06	8.38E-07	1.12E-06	3.68E-06	2.54E-07
1827	471358.41	3818993.8	1.32E-05	5.55E-05	5.00E-06	1.10E-05	4.08E-05	3.59E-06	1.25E-06	7.15E-06	8.53E-07	1.14E-06	3.74E-06	2.58E-07
1828	471361.95	3819002.59	1.35E-05	5.65E-05	5.09E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.27E-06	8.68E-07	1.15E-06	3.81E-06	2.62E-07
1829	471365.49	3819011.38	1.37E-05	5.75E-05	5.17E-06	1.14E-05	4.22E-05	3.71E-06	1.29E-06	7.40E-06	8.82E-07	1.17E-06	3.87E-06	2.67E-07
1830	471369.03	3819020.17	1.39E-05	5.84E-05	5.26E-06	1.16E-05	4.29E-05	3.78E-06	1.31E-06	7.52E-06	8.97E-07	1.19E-06	3.94E-06	2.71E-07
1831	471372.56	3819028.95	1.41E-05	5.94E-05	5.35E-06	1.18E-05	4.36E-05	3.84E-06	1.34E-06	7.64E-06	9.12E-07	1.21E-06	4.00E-06	2.76E-07
1832	471383.18	3819055.32	1.48E-05	6.22E-05	5.60E-06	1.23E-05	4.57E-05	4.02E-06	1.40E-06	8.01E-06	9.55E-07	1.27E-06	4.19E-06	2.89E-07
1833	471386.72	3819064.11	1.50E-05	6.31E-05	5.69E-06	1.25E-05	4.64E-05	4.08E-06	1.42E-06	8.13E-06	9.70E-07	1.29E-06	4.26E-06	2.93E-07
1834	471390.26	3819072.9	1.52E-05	6.40E-05	5.77E-06	1.27E-05	4.71E-05	4.14E-06	1.44E-06	8.24E-06	9.84E-07	1.31E-06	4.32E-06	2.98E-07
1835	471393.8	3819081.69	1.55E-05	6.49E-05	5.85E-06	1.29E-05	4.77E-05	4.20E-06	1.46E-06	8.36E-06	9.97E-07	1.33E-06	4.38E-06	3.02E-07
1836	471397.33	3819090.48	1.57E-05	6.58E-05	5.93E-06	1.31E-05	4.84E-05	4.25E-06	1.48E-06	8.47E-06	1.01E-06	1.35E-06	4.44E-06	3.06E-07
1837	471400.87	3819099.27	1.59E-05	6.67E-05	6.01E-06	1.32E-05	4.90E-05	4.31E-06	1.50E-06	8.58E-06	1.02E-06	1.36E-06	4.49E-06	3.10E-07
1838	471404.41	3819108.06	1.61E-05	6.75E-05	6.08E-06	1.34E-05	4.96E-05	4.37E-06	1.52E-06	8.69E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
1839	471407.95	3819116.85	1.63E-05	6.84E-05	6.16E-06	1.36E-05	5.02E-05	4.42E-06	1.54E-06	8.80E-06	1.05E-06	1.40E-06	4.61E-06	3.18E-07
1840	471411.49	3819125.64	1.65E-05	6.92E-05	6.23E-06	1.37E-05	5.08E-05	4.47E-06	1.56E-06	8.91E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
1841	471415.03	3819134.43	1.67E-05	7.00E-05	6.30E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.01E-06	1.08E-06	1.43E-06	4.72E-06	3.25E-07
1842	471422.1	3819152.01	1.70E-05	7.15E-05	6.44E-06	1.42E-05	5.26E-05	4.62E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
1843	471425.64	3819160.79	1.72E-05	7.22E-05	6.51E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.30E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
1844	471429.18	3819169.58	1.74E-05	7.29E-05	6.57E-06	1.45E-05	5.36E-05	4.71E-06	1.64E-06	9.39E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
1845	471432.72	3819178.37	1.75E-05	7.36E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.65E-06	9.47E-06	1.13E-06	1.50E-06	4.96E-06	3.42E-07
1846	471436.26	3819187.16	1.77E-05	7.42E-05	6.68E-06	1.47E-05	5.45E-05	4.80E-06	1.67E-06	9.55E-06	1.14E-06	1.52E-06	5.00E-06	3.45E-07
1847	471439.8	3819195.95	1.78E-05	7.48E-05	6.74E-06	1.48E-05	5.50E-05	4.84E-06	1.68E-06	9.63E-06	1.15E-06	1.53E-06	5.04E-06	3.48E-07
1848	471443.33	3819204.74	1.80E-05	7.54E-05	6.79E-06	1.50E-05	5.54E-05	4.87E-06	1.70E-06	9.71E-06	1.16E-06	1.54E-06	5.08E-06	3.50E-07
1849	471446.87	3819213.53	1.81E-05	7.59E-05	6.84E-06	1.51E-05	5.58E-05	4.91E-06	1.71E-06	9.78E-06	1.17E-06	1.55E-06	5.12E-06	3.53E-07
1850	471450.41	3819222.32	1.82E-05	7.65E-05	6.89E-06	1.52E-05	5.62E-05	4.94E-06	1.72E-06	9.84E-06	1.17E-06	1.56E-06	5.15E-06	3.55E-07
1851	470211.67	3818057.47	1.17E-05	4.93E-05	4.44E-06	9.78E-06	3.62E-05	3.19E-06	1.11E-06	6.35E-06	7.57E-07	1.01E-06	3.32E-06	2.29E-07
1852	470202.11	3818057.34	1.18E-05	4.98E-05	4.48E-06	9.87E-06	3.66E-05	3.22E-06	1.12E-06	6.41E-06	7.64E-07	1.02E-06	3.35E-06	2.31E-07
1853	470192.54	3818057.2	1.19E-05	5.01E-05	4.51E-06	9.94E-06	3.68E-05	3.24E-06	1.13E-06	6.45E-06	7.70E-07	1.02E-06	3.38E-06	2.33E-07
1854	470182.98	3818057.07	1.20E-05	5.04E-05	4.54E-06	1.00E-05	3.70E-05	3.26E-06	1.13E-06	6.49E-06	7.74E-07	1.03E-06	3.40E-06	2.34E-07
1855	470173.42	3818056.93	1.21E-05	5.06E-05	4.56E-06	1.00E-05	3.72E-05	3.27E-06	1.14E-06	6.52E-06	7.78E-07	1.03E-06	3.41E-06	2.35E-07
1856	470163.86	3818056.8	1.21E-05	5.09E-05	4.58E-06	1.01E-05	3.74E-05	3.29E-06	1.14E-06	6.55E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
1857	470154.29	3818056.66	1.22E-05	5.11E-05	4.60E-06	1.01E-05	3.76E-05	3.30E-06	1.15E-06	6.58E-06	7.85E-07	1.04E-06	3.45E-06	2.37E-07
1858	470144.73	3818056.53	1.22E-05	5.13E-05	4.62E-06	1.02E-05	3.77E-05	3.32E-06	1.15E-06	6.60E-06	7.88E-07	1.05E-06	3.46E-06	2.38E-07
1859	470135.17	3818056.39	1.22E-05	5.14E-05	4.63E-06	1.02E-05	3.78E-05	3.32E-06	1.16E-06	6.62E-06	7.89E-07	1.05E-06	3.46E-06	2.39E-07
1860	470125.61	3818056.26	1.22E-05	5.14E-05	4.63E-06	1.02E-05	3.78E-05	3.32E-06	1.16E-06	6.62E-06	7.89E-07	1.05E-06	3.46E-06	2.39E-07
1861	470403.79	3818023.74	8.24E-06	3.46E-05	3.11E-06	6.86E-06	2.54E-05	2.24E-06	7.78E-07	4.45E-06	5.31E-07	7.07E-07	2.33E-06	1.61E-07
1862	470412.54	3818027.49	8.18E-06	3.43E-05	3.09E-06	6.81E-06	2.52E-05	2.22E-06	7.72E-07	4.42E-06	5.27E-07	7.02E-07	2.31E-06	1.60E-07
1863	470421.28	3818031.24	8.11E-06	3.41E-05	3.07E-06	6.76E-06	2.50E-05	2.20E-06	7.66E-07	4.38E-06	5.23E-07	6.96E-07	2.30E-06	1.58E-07
1864	470430.03	3818035	8.04E-06	3.38E-05	3.04E-06	6.70E-06	2.48E-05	2.18E-06	7.60E-07	4.35E-06	5.19E-07	6.90E-07	2.28E-06	1.57E-07
1865	470438.77	3818038.75	7.98E-06	3.35E-05	3.02E-06	6.65E-06	2.46E-05	2.17E-06	7.54E-07	4.31E-06	5.15E-07	6.85E-07	2.26E-06	1.56E-07
1866	470447.52	3818042.5	8.08E-06	3.39E-05	3.06E-06	6.73E-06	2.49E-05	2.19E-06	7.63E-07	4.37E-06	5.21E-07	6.94E-07	2.29E-06	1.58E-07
1867	470456.26	3818046.26	8.02E-06	3.37E-05	3.03E-06	6.68E-06	2.47E-05	2.18E-06	7.57E-07	4.34E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
1868	470465.01	3818050.01	7.95E-06	3.34E-05	3.01E-06	6.62E-06	2.45E-05	2.16E-06	7.50E-07	4.30E-06	5.13E-07	6.82E-07	2.25E-06	1.55E-07
1869	470473.75	3818053.76	7.87E-06	3.31E-05	2.98E-06	6.56E-06	2.43E-05	2.14E-06	7.44E-07	4.26E-06	5.08E-07	6.76E-07	2.23E-06	1.54E-07
1870	470482.5	3818057.52	7.80E-06	3.28E-05	2.95E-06	6.50E-06	2.41E-05	2.12E-06	7.37E-07	4.22E-06	5.03E-07	6.70E-07	2.21E-06	1.52E-07
1871	470491.24	3818061.27	7.74E-06	3.25E-05	2.93E-06	6.44E-06	2.39E-05	2.10E-06	7.30E-07	4.18E-06	4.99E-07	6.64E-07	2.19E-06	1.51E-07
1872	470499.99	3818065.02	7.67E-06	3.22E-05	2.90E-06	6.39E-06	2.37E-05	2.08E-06	7.24E-07	4.15E-06	4.95E-07	6.58E-07	2.17E-06	1.50E-07
1873	470508.73	3818068.78	7.60E-06	3.19E-05	2.87E-06	6.33E-06	2.34E-05	2.06E-06	7.17E-07	4.11E-06	4.90E-07	6.52E-07	2.15E-06	1.48E-07
1874	470517.48	3818072.53	7.52E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.10E-07	4.07E-06	4.85E-07	6.46E-07	2.13E-06	1.47E-07
1875	470526.22	3818076.28	7.45E-06	3.13E-05	2.82E-06	6.21E-06	2.30E-05	2.02E-06	7.04E-07	4.03E-06	4.81E-07	6.40E-07	2.11E-06	1.45E-07
1876	470534.96	3818080.04	7.39E-06	3.10E-05	2.79E-06	6.15E-06	2.28E-05	2.01E-06	6.98E-07	3.99E-06	4.77E-07	6.34E-07	2.09E-06	1.44E-07
1877	470543.71	3818083.79	7.33E-06	3.08E-05	2.77E-06	6.11E-06	2.26E-05	1.99E-06	6.92E-07	3.96E-06	4.73E-07	6.29E-07	2.08E-06	1.43E-07
1878	470552.45	3818087.54	7.28E-06	3.06E-05	2.75E-06	6.06E-06	2.25E-05	1.98E-06	6.87E-07	3.93E-06	4.69E-07	6.25E-07	2.06E-06	1.42E-07
1879	470561.2	3818091.3	7.23E-06	3.03E-05	2.73E-06	6.02E-06	2.23E-05	1.96E-06	6.82E-07	3.91E-06	4.66E-07	6.20E-07	2.05E-06	1.41E-07
1880	470569.94	3818095.05	7.17E-06	3.01E-05	2.71E-06	5.97E-06	2.21E-05	1.95E-06	6.77E-07	3.88E-06	4.63E-07	6.16E-07	2.03E-06	1.40E-07
1881	470578.69	3818098.8	7.12E-06	2.99E-05	2.69E-06	5.93E-06	2.20E-05	1.93E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
1882	470587.43	3818102.56	7.08E-06	2.97E-05	2.68E-06	5.89E-06	2.18E-05	1.92E-06	6.68E-07	3.83E-06	4.56E-07	6.07E-07	2.00E-06	1.38E-07
1883	470596.18	3818106.31	7.03E-06	2.95E-05	2.66E-06	5.85E-06	2.17E-05	1.91E-06	6.64E-07	3.80E-06	4.53E-07	6.03E-07	1.99E-06	1.37E-07
1884	470604.92	3818110.06	6.98E-06	2.93E-05	2.64E-06	5.82E-06	2.16E-05	1.90E-06	6.60E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
1885	470613.67	3818113.82	6.93E-06	2.91E-05	2.62E-06	5.77E-06	2.14E-05	1.88E-06	6.55E-07	3.75E-06	4.47E-07	5.95E-07	1.96E-06	1.35E-07
1886	470622.41	3818117.57	6.87E-06	2.89E-05	2.60E-06	5.73E-06	2.12E-05	1.87E-06	6.49E-07	3.72E-06	4.43E-07	5.90E-07	1.95E-06	1.34E-07
1887	470631.16	3818121.32	6.82E-06	2.86E-05	2.58E-06	5.68E-06	2.11E-05	1.85E-06	6.44E-07	3.69E-06	4.40E-07	5.86E-07	1.93E-06	1.33E-07
1888	470639.9	3818125.08	6.76E-06	2.84E-05	2.56E-06	5.63E-06	2.09E-05	1.84E-06	6.39E-07	3.66E-06	4.36E-07	5.81E-07	1.91E-06	1.32E-07
1889	470648.65	3818128.83	6.71E-06	2.82E-05	2.54E-06	5.59E-06	2.07E-05	1.82E-06	6.33E-07	3.63E-06	4.33E-07	5.76E-07	1.90E-06	1.31E-07
1890	470657.39	3818132.58	6.65E-06	2.79E-05	2.52E-06	5.54E-06	2.05E-05	1.81E-06	6.28E-07	3.60E-06	4.29E-07	5.71E-07	1.88E-06	1.30E-07
1891	470666.14	3818136.34	6.60E-06	2.77E-05	2.50E-06	5.50E-06	2.04E-05	1.79E-06	6.23E-07	3.57E-06	4.26E-07	5.67E-07	1.87E-06	1.29E-07
1892	470674.88	3818140.09	6.55E-06	2.75E-05	2.48E-06	5.45E-06	2.02E-05	1.78E-06	6.18E-07	3.54E-06	4.22E-07	5.62E-07	1.85E-06	1.28E-07
1893	470683.63	3818143.84	6.49E-06	2.73E-05	2.46E-06	5.41E-06	2.00E-05	1.76E-06	6.13E-07	3.51E-06	4.19E-07	5.58E-07	1.84E-06	1.27E-07
1894	470692.37	3818147.6	6.44E-06	2.71E-05	2.44E-06	5.37E-06	1.99E-05	1.75E-06	6.08E-07	3.48E-06	4.15E-07	5.53E-07	1.82E-06	1.26E-07

1895	470701.11	3818151.35	6.39E-06	2.68E-05	2.42E-06	5.32E-06	1.97E-05	1.73E-06	6.03E-07	3.45E-06	4.12E-07	5.48E-07	1.81E-06	1.25E-07
1896	470709.86	3818155.1	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.98E-07	3.42E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
1897	470718.6	3818158.85	6.28E-06	2.64E-05	2.37E-06	5.23E-06	1.94E-05	1.70E-06	5.93E-07	3.39E-06	4.05E-07	5.39E-07	1.78E-06	1.22E-07
1898	470727.35	3818162.61	6.22E-06	2.61E-05	2.35E-06	5.19E-06	1.92E-05	1.69E-06	5.88E-07	3.37E-06	4.02E-07	5.34E-07	1.76E-06	1.21E-07
1899	470736.09	3818166.36	6.17E-06	2.59E-05	2.33E-06	5.14E-06	1.90E-05	1.68E-06	5.83E-07	3.34E-06	3.98E-07	5.30E-07	1.75E-06	1.20E-07
1900	470744.84	3818170.11	6.11E-06	2.57E-05	2.31E-06	5.09E-06	1.89E-05	1.66E-06	5.77E-07	3.31E-06	3.94E-07	5.25E-07	1.73E-06	1.19E-07
1901	470753.58	3818173.87	6.06E-06	2.55E-05	2.29E-06	5.05E-06	1.87E-05	1.65E-06	5.72E-07	3.28E-06	3.91E-07	5.20E-07	1.72E-06	1.18E-07
1902	470762.33	3818177.62	6.01E-06	2.52E-05	2.27E-06	5.00E-06	1.85E-05	1.63E-06	5.67E-07	3.25E-06	3.88E-07	5.16E-07	1.70E-06	1.17E-07
1903	470771.07	3818181.37	5.95E-06	2.50E-05	2.25E-06	4.96E-06	1.84E-05	1.62E-06	5.62E-07	3.22E-06	3.84E-07	5.11E-07	1.68E-06	1.16E-07
1904	470779.82	3818185.13	5.90E-06	2.48E-05	2.23E-06	4.91E-06	1.82E-05	1.60E-06	5.57E-07	3.19E-06	3.80E-07	5.06E-07	1.67E-06	1.15E-07
1905	470788.56	3818188.88	5.84E-06	2.45E-05	2.21E-06	4.86E-06	1.80E-05	1.59E-06	5.51E-07	3.16E-06	3.77E-07	5.01E-07	1.65E-06	1.14E-07
1906	470797.31	3818192.63	5.79E-06	2.43E-05	2.19E-06	4.82E-06	1.79E-05	1.57E-06	5.46E-07	3.13E-06	3.73E-07	4.97E-07	1.64E-06	1.13E-07
1907	470806.05	3818196.39	5.73E-06	2.41E-05	2.17E-06	4.77E-06	1.77E-05	1.56E-06	5.41E-07	3.10E-06	3.70E-07	4.92E-07	1.62E-06	1.12E-07
1908	470814.8	3818200.14	5.68E-06	2.38E-05	2.15E-06	4.73E-06	1.75E-05	1.54E-06	5.36E-07	3.07E-06	3.66E-07	4.87E-07	1.61E-06	1.11E-07
1909	470823.54	3818203.89	5.62E-06	2.36E-05	2.13E-06	4.68E-06	1.73E-05	1.53E-06	5.31E-07	3.04E-06	3.62E-07	4.82E-07	1.59E-06	1.10E-07
1910	470832.29	3818207.65	5.56E-06	2.34E-05	2.10E-06	4.63E-06	1.72E-05	1.51E-06	5.25E-07	3.01E-06	3.59E-07	4.77E-07	1.57E-06	1.09E-07
1911	470841.03	3818211.4	5.50E-06	2.31E-05	2.08E-06	4.58E-06	1.70E-05	1.49E-06	5.20E-07	2.98E-06	3.55E-07	4.72E-07	1.56E-06	1.07E-07
1912	470849.78	3818215.15	5.45E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.14E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
1913	470858.52	3818218.91	5.39E-06	2.26E-05	2.04E-06	4.49E-06	1.66E-05	1.46E-06	5.09E-07	2.91E-06	3.48E-07	4.63E-07	1.53E-06	1.05E-07
1914	470867.26	3818222.66	5.33E-06	2.24E-05	2.02E-06	4.44E-06	1.64E-05	1.45E-06	5.03E-07	2.88E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
1915	470876.01	3818226.41	5.28E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
1916	470884.75	3818230.17	5.22E-06	2.19E-05	1.97E-06	4.35E-06	1.61E-05	1.42E-06	4.93E-07	2.82E-06	3.37E-07	4.48E-07	1.48E-06	1.02E-07
1917	470893.5	3818233.92	5.16E-06	2.17E-05	1.95E-06	4.30E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.33E-07	4.43E-07	1.46E-06	1.01E-07
1918	470902.24	3818237.67	5.10E-06	2.14E-05	1.93E-06	4.25E-06	1.57E-05	1.39E-06	4.82E-07	2.76E-06	3.29E-07	4.38E-07	1.44E-06	9.96E-08
1919	470910.99	3818241.43	5.05E-06	2.12E-05	1.91E-06	4.20E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.25E-07	4.33E-07	1.43E-06	9.85E-08
1920	470919.73	3818245.18	4.99E-06	2.10E-05	1.89E-06	4.16E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.22E-07	4.29E-07	1.41E-06	9.74E-08
1921	470928.48	3818248.93	4.94E-06	2.07E-05	1.87E-06	4.11E-06	1.52E-05	1.34E-06	4.66E-07	2.67E-06	3.18E-07	4.24E-07	1.40E-06	9.63E-08
1922	470937.22	3818252.69	4.88E-06	2.05E-05	1.85E-06	4.07E-06	1.51E-05	1.33E-06	4.61E-07	2.64E-06	3.15E-07	4.19E-07	1.38E-06	9.53E-08
1923	470945.97	3818256.44	4.83E-06	2.03E-05	1.83E-06	4.02E-06	1.49E-05	1.31E-06	4.56E-07	2.61E-06	3.12E-07	4.15E-07	1.37E-06	9.42E-08
1924	470954.71	3818260.19	4.78E-06	2.01E-05	1.81E-06	3.98E-06	1.47E-05	1.30E-06	4.51E-07	2.58E-06	3.08E-07	4.10E-07	1.35E-06	9.32E-08
1925	470963.46	3818263.95	4.72E-06	1.98E-05	1.79E-06	3.93E-06	1.46E-05	1.28E-06	4.46E-07	2.55E-06	3.05E-07	4.06E-07	1.34E-06	9.22E-08
1926	470972.2	3818267.7	4.67E-06	1.96E-05	1.77E-06	3.89E-06	1.44E-05	1.27E-06	4.41E-07	2.53E-06	3.01E-07	4.01E-07	1.32E-06	9.11E-08
1927	470980.95	3818271.45	4.62E-06	1.94E-05	1.75E-06	3.85E-06	1.43E-05	1.25E-06	4.36E-07	2.50E-06	2.98E-07	3.96E-07	1.31E-06	9.01E-08
1928	470989.69	3818275.21	4.57E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.92E-07	1.29E-06	8.92E-08
1929	470998.44	3818278.96	4.52E-06	1.90E-05	1.71E-06	3.77E-06	1.40E-05	1.23E-06	4.27E-07	2.44E-06	2.92E-07	3.88E-07	1.28E-06	8.82E-08
1930	471007.18	3818282.71	4.47E-06	1.88E-05	1.69E-06	3.73E-06	1.38E-05	1.21E-06	4.22E-07	2.42E-06	2.89E-07	3.84E-07	1.27E-06	8.73E-08
1931	471015.93	3818286.47	4.43E-06	1.86E-05	1.67E-06	3.69E-06	1.37E-05	1.20E-06	4.18E-07	2.39E-06	2.85E-07	3.80E-07	1.25E-06	8.64E-08
1932	471024.67	3818290.22	4.38E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.14E-07	2.37E-06	2.83E-07	3.76E-07	1.24E-06	8.55E-08
1933	471033.41	3818293.97	4.34E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.10E-07	2.35E-06	2.80E-07	3.72E-07	1.23E-06	8.47E-08
1934	471068.39	3818308.99	4.18E-06	1.75E-05	1.58E-06	3.48E-06	1.29E-05	1.13E-06	3.94E-07	2.26E-06	2.69E-07	3.58E-07	1.18E-06	8.15E-08
1935	471077.14	3818312.74	4.14E-06	1.74E-05	1.57E-06	3.45E-06	1.28E-05	1.12E-06	3.91E-07	2.24E-06	2.67E-07	3.56E-07	1.17E-06	8.08E-08
1936	471085.88	3818316.49	4.11E-06	1.73E-05	1.55E-06	3.42E-06	1.27E-05	1.12E-06	3.88E-07	2.22E-06	2.65E-07	3.53E-07	1.16E-06	8.02E-08
1937	471094.63	3818320.25	4.07E-06	1.71E-05	1.54E-06	3.39E-06	1.26E-05	1.11E-06	3.85E-07	2.20E-06	2.63E-07	3.50E-07	1.15E-06	7.95E-08
1938	471103.37	3818324	4.05E-06	1.70E-05	1.53E-06	3.37E-06	1.25E-05	1.10E-06	3.82E-07	2.19E-06	2.61E-07	3.47E-07	1.15E-06	7.89E-08
1939	471112.12	3818327.75	4.02E-06	1.69E-05	1.52E-06	3.35E-06	1.24E-05	1.09E-06	3.79E-07	2.17E-06	2.59E-07	3.45E-07	1.14E-06	7.84E-08
1940	471120.86	3818331.51	3.99E-06	1.67E-05	1.51E-06	3.32E-06	1.23E-05	1.08E-06	3.77E-07	2.16E-06	2.57E-07	3.42E-07	1.13E-06	7.78E-08
1941	471129.61	3818335.26	3.96E-06	1.66E-05	1.50E-06	3.30E-06	1.22E-05	1.08E-06	3.74E-07	2.14E-06	2.56E-07	3.40E-07	1.12E-06	7.73E-08
1942	471138.35	3818339.01	3.94E-06	1.65E-05	1.49E-06	3.28E-06	1.22E-05	1.07E-06	3.72E-07	2.13E-06	2.54E-07	3.38E-07	1.12E-06	7.69E-08
1943	471147.1	3818342.77	3.92E-06	1.64E-05	1.48E-06	3.26E-06	1.21E-05	1.06E-06	3.70E-07	2.12E-06	2.53E-07	3.36E-07	1.11E-06	7.64E-08
1944	471155.84	3818346.52	3.90E-06	1.64E-05	1.47E-06	3.25E-06	1.20E-05	1.06E-06	3.68E-07	2.11E-06	2.51E-07	3.35E-07	1.10E-06	7.60E-08
1945	471164.59	3818350.27	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.57E-08
1946	471173.33	3818354.03	3.86E-06	1.62E-05	1.46E-06	3.22E-06	1.19E-05	1.05E-06	3.65E-07	2.09E-06	2.49E-07	3.32E-07	1.09E-06	7.54E-08
1947	471185.63	3818366.61	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.57E-08
1948	471189.18	3818375.44	3.92E-06	1.64E-05	1.48E-06	3.26E-06	1.21E-05	1.06E-06	3.70E-07	2.12E-06	2.53E-07	3.36E-07	1.11E-06	7.64E-08
1949	471192.74	3818384.26	3.95E-06	1.66E-05	1.49E-06	3.29E-06	1.22E-05	1.07E-06	3.73E-07	2.14E-06	2.55E-07	3.39E-07	1.12E-06	7.71E-08
1950	471196.29	3818393.09	3.99E-06	1.67E-05	1.51E-06	3.32E-06	1.23E-05	1.08E-06	3.77E-07	2.16E-06	2.57E-07	3.42E-07	1.13E-06	7.78E-08
1951	471199.85	3818401.92	4.03E-06	1.69E-05	1.52E-06	3.36E-06	1.24E-05	1.09E-06	3.81E-07	2.18E-06	2.60E-07	3.46E-07	1.14E-06	7.87E-08
1952	471203.4	3818410.75	4.07E-06	1.71E-05	1.54E-06	3.39E-06	1.26E-05	1.10E-06	3.84E-07	2.20E-06	2.62E-07	3.49E-07	1.15E-06	7.94E-08
1953	471206.95	3818419.57	4.12E-06	1.73E-05	1.56E-06	3.43E-06	1.27E-05	1.12E-06	3.89E-07	2.23E-06	2.66E-07	3.54E-07	1.17E-06	8.03E-08
1954	471217.61	3818446.06	4.26E-06	1.79E-05	1.61E-06	3.55E-06	1.32E-05	1.16E-06	4.02E-07	2.30E-06	2.75E-07	3.66E-07	1.21E-06	8.32E-08
1955	471221.17	3818454.89	4.32E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.42E-08
1956	471224.72	3818463.71	4.37E-06	1.84E-05	1.65E-06	3.64E-06	1.35E-05	1.19E-06	4.13E-07	2.36E-06	2.82E-07	3.75E-07	1.24E-06	8.53E-08
1957	471228.28	3818472.54	4.43E-06	1.86E-05	1.68E-06	3.69E-06	1.37E-05	1.20E-06	4.18E-07	2.40E-06	2.86E-07	3.80E-07	1.25E-06	8.65E-08
1958	471231.83	3818481.37	4.49E-06	1.88E-05	1.70E-06	3.74E-06	1.39E-05	1.22E-06	4.24E-07	2.43E-06	2.89E-07	3.85E-07	1.27E-06	8.76E-08
1959	471235.38	3818490.2	4.55E-06	1.91E-05	1.72E-06	3.79E-06	1.40E-05	1.24E-06	4.30E-07	2.46E-06	2.94E-07	3.91E-07	1.29E-06	8.88E-08
1960	471238.94	3818499.02	4.61E-06	1.94E-05	1.74E-06	3.84E-06	1.42E-05	1.25E-06	4.36E-07	2.49E-06	2.98E-07	3.96E-07	1.31E-06	9.00E-08
1961	471242.49	3818507.85	4.68E-06	1.97E-05	1.77E-06	3.90E-06	1.44E-05	1.27E-06	4.42E-07	2.53E-06	3.02E-07	4.02E-07	1.32E-06	9.13E-08
1962	471246.05	3818516.68	4.75E-06	1.99E-05	1.80E-06	3.95E-06	1.47E-05	1.29E-06	4.48E-07	2.57E-06	3.06E-07	4.08E-07	1.34E-06	9.26E-08
1963	471249.6	3818525.51	4.82E-06	2.02E-05	1.82E-06	4.01E-06	1.49E-05	1.31E-06	4.55E-07	2.61E-06	3.11E-07	4.14E-07	1.36E-06	9.41E-08
1964	471253.15	3818534.33	4.89E-06	2.05E-05	1.85E-06	4.08E-06	1.51E-05	1.33E-06	4.62E-07	2.64E-06	3.16E-07	4.20E-07	1.38E-06	9.55E-08
1965	471256.71	3818543.16	4.96E-06	2.08E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.69E-07	2.68E-06	3.20E-07	4.26E-07	1.41E-06	9.69E-08
1966	471260.26	3818551.99	5.05E-06	2.12E-05	1.91E-06	4.20E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.25E-07	4.33E-07	1.43E-06	9.85E-08
1967	471263.82	3818560.82	5.12E-06	2.15E-05	1.94E-06	4.27E-06	1.58E-05	1.39E-06	4.84E-07	2.77E-06	3.30E-07	4.40E-07	1.45E-06	1.00E-07

1968	471267.37	3818569.64	5.21E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.41E-06	4.92E-07	2.81E-06	3.36E-07	4.47E-07	1.47E-06	1.02E-07
1969	471270.92	3818578.47	5.29E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.44E-06	4.99E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
1970	471274.48	3818587.3	5.37E-06	2.26E-05	2.03E-06	4.48E-06	1.66E-05	1.46E-06	5.07E-07	2.90E-06	3.47E-07	4.61E-07	1.52E-06	1.05E-07
1971	471278.03	3818596.13	5.46E-06	2.29E-05	2.06E-06	4.55E-06	1.68E-05	1.48E-06	5.16E-07	2.95E-06	3.52E-07	4.69E-07	1.55E-06	1.07E-07
1972	471281.59	3818604.96	5.55E-06	2.33E-05	2.10E-06	4.62E-06	1.71E-05	1.51E-06	5.24E-07	3.00E-06	3.58E-07	4.77E-07	1.57E-06	1.08E-07
1973	471285.14	3818613.78	5.64E-06	2.37E-05	2.13E-06	4.70E-06	1.74E-05	1.53E-06	5.33E-07	3.05E-06	3.64E-07	4.84E-07	1.60E-06	1.10E-07
1974	471288.69	3818622.61	5.74E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.42E-07	3.10E-06	3.70E-07	4.93E-07	1.62E-06	1.12E-07
1975	471292.25	3818631.44	5.84E-06	2.45E-05	2.21E-06	4.86E-06	1.80E-05	1.58E-06	5.51E-07	3.15E-06	3.76E-07	5.01E-07	1.65E-06	1.14E-07
1976	471313.57	3818684.4	6.47E-06	2.72E-05	2.45E-06	5.39E-06	2.00E-05	1.76E-06	6.11E-07	3.50E-06	4.17E-07	5.55E-07	1.83E-06	1.26E-07
1977	471317.13	3818693.23	6.58E-06	2.76E-05	2.49E-06	5.48E-06	2.03E-05	1.79E-06	6.21E-07	3.55E-06	4.24E-07	5.65E-07	1.86E-06	1.28E-07
1978	471320.68	3818702.06	6.70E-06	2.81E-05	2.53E-06	5.58E-06	2.07E-05	1.82E-06	6.32E-07	3.62E-06	4.32E-07	5.75E-07	1.90E-06	1.31E-07
1979	471324.23	3818710.89	6.81E-06	2.86E-05	2.58E-06	5.67E-06	2.10E-05	1.85E-06	6.43E-07	3.68E-06	4.39E-07	5.85E-07	1.93E-06	1.33E-07
1980	471327.79	3818719.71	6.94E-06	2.91E-05	2.62E-06	5.78E-06	2.14E-05	1.88E-06	6.55E-07	3.75E-06	4.47E-07	5.96E-07	1.96E-06	1.35E-07
1981	471331.34	3818728.54	7.06E-06	2.96E-05	2.67E-06	5.88E-06	2.18E-05	1.92E-06	6.66E-07	3.82E-06	4.55E-07	6.06E-07	2.00E-06	1.38E-07
1982	471334.89	3818737.37	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.03E-06	1.40E-07
1983	471338.45	3818746.2	7.32E-06	3.07E-05	2.77E-06	6.09E-06	2.26E-05	1.99E-06	6.91E-07	3.96E-06	4.72E-07	6.28E-07	2.07E-06	1.43E-07
1984	471342	3818755.03	7.45E-06	3.13E-05	2.82E-06	6.21E-06	2.30E-05	2.02E-06	7.04E-07	4.03E-06	4.81E-07	6.40E-07	2.11E-06	1.45E-07
1985	471345.56	3818763.85	7.59E-06	3.19E-05	2.87E-06	6.32E-06	2.34E-05	2.06E-06	7.16E-07	4.10E-06	4.89E-07	6.51E-07	2.15E-06	1.48E-07
1986	471349.11	3818772.68	7.73E-06	3.24E-05	2.92E-06	6.44E-06	2.38E-05	2.10E-06	7.30E-07	4.18E-06	4.98E-07	6.63E-07	2.19E-06	1.51E-07
1987	471352.66	3818781.51	7.87E-06	3.30E-05	2.97E-06	6.55E-06	2.43E-05	2.14E-06	7.43E-07	4.25E-06	5.07E-07	6.75E-07	2.23E-06	1.53E-07
1988	471356.22	3818790.34	8.01E-06	3.36E-05	3.03E-06	6.67E-06	2.47E-05	2.17E-06	7.56E-07	4.33E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
1989	471359.77	3818799.16	8.16E-06	3.43E-05	3.09E-06	6.80E-06	2.52E-05	2.21E-06	7.70E-07	4.41E-06	5.26E-07	7.00E-07	2.31E-06	1.59E-07
1990	471363.33	3818807.99	8.31E-06	3.49E-05	3.14E-06	6.92E-06	2.56E-05	2.26E-06	7.85E-07	4.49E-06	5.36E-07	7.13E-07	2.35E-06	1.62E-07
1991	471366.88	3818816.82	8.46E-06	3.55E-05	3.20E-06	7.05E-06	2.61E-05	2.30E-06	7.99E-07	4.57E-06	5.46E-07	7.26E-07	2.40E-06	1.65E-07
1992	471370.43	3818825.65	8.62E-06	3.62E-05	3.26E-06	7.18E-06	2.66E-05	2.34E-06	8.14E-07	4.66E-06	5.56E-07	7.40E-07	2.44E-06	1.68E-07
1993	471373.99	3818834.47	8.78E-06	3.69E-05	3.32E-06	7.31E-06	2.71E-05	2.38E-06	8.29E-07	4.75E-06	5.66E-07	7.54E-07	2.49E-06	1.71E-07
1994	471381.1	3818852.13	9.11E-06	3.82E-05	3.44E-06	7.59E-06	2.81E-05	2.47E-06	8.60E-07	4.92E-06	5.87E-07	7.82E-07	2.58E-06	1.78E-07
1995	471384.65	3818860.96	9.27E-06	3.90E-05	3.51E-06	7.73E-06	2.86E-05	2.52E-06	8.76E-07	5.01E-06	5.98E-07	7.96E-07	2.63E-06	1.81E-07
1996	471388.2	3818869.78	9.45E-06	3.97E-05	3.57E-06	7.87E-06	2.92E-05	2.56E-06	8.92E-07	5.11E-06	6.09E-07	8.11E-07	2.67E-06	1.84E-07
1997	471391.76	3818878.61	9.62E-06	4.04E-05	3.64E-06	8.01E-06	2.97E-05	2.61E-06	9.09E-07	5.20E-06	6.21E-07	8.26E-07	2.72E-06	1.88E-07
1998	471395.31	3818887.44	9.80E-06	4.12E-05	3.71E-06	8.16E-06	3.02E-05	2.66E-06	9.25E-07	5.30E-06	6.32E-07	8.41E-07	2.77E-06	1.91E-07
1999	471398.87	3818896.27	9.98E-06	4.19E-05	3.77E-06	8.31E-06	3.08E-05	2.71E-06	9.42E-07	5.39E-06	6.44E-07	8.57E-07	2.82E-06	1.95E-07
2000	471402.42	3818905.1	1.02E-05	4.27E-05	3.84E-06	8.46E-06	3.14E-05	2.76E-06	9.59E-07	5.49E-06	6.55E-07	8.72E-07	2.88E-06	1.98E-07
2001	471405.97	3818913.92	1.03E-05	4.34E-05	3.91E-06	8.62E-06	3.19E-05	2.81E-06	9.77E-07	5.59E-06	6.67E-07	8.88E-07	2.93E-06	2.02E-07
2002	471409.53	3818922.75	1.05E-05	4.42E-05	3.98E-06	8.77E-06	3.25E-05	2.86E-06	9.94E-07	5.69E-06	6.79E-07	9.04E-07	2.98E-06	2.05E-07
2003	471413.08	3818931.58	1.07E-05	4.50E-05	4.05E-06	8.92E-06	3.31E-05	2.91E-06	1.01E-06	5.79E-06	6.91E-07	9.20E-07	3.03E-06	2.09E-07
2004	471420.19	3818949.23	1.11E-05	4.66E-05	4.19E-06	9.24E-06	3.42E-05	3.01E-06	1.05E-06	5.99E-06	7.15E-07	9.52E-07	3.14E-06	2.16E-07
2005	471423.74	3818958.06	1.13E-05	4.74E-05	4.27E-06	9.40E-06	3.48E-05	3.06E-06	1.07E-06	6.10E-06	7.28E-07	9.68E-07	3.19E-06	2.20E-07
2006	471427.3	3818966.89	1.15E-05	4.82E-05	4.34E-06	9.56E-06	3.54E-05	3.11E-06	1.08E-06	6.20E-06	7.40E-07	9.85E-07	3.25E-06	2.24E-07
2007	471430.85	3818975.72	1.17E-05	4.90E-05	4.41E-06	9.72E-06	3.60E-05	3.17E-06	1.10E-06	6.31E-06	7.52E-07	1.00E-06	3.30E-06	2.28E-07
2008	471434.41	3818984.54	1.19E-05	4.98E-05	4.48E-06	9.88E-06	3.66E-05	3.22E-06	1.12E-06	6.41E-06	7.65E-07	1.02E-06	3.36E-06	2.31E-07
2009	471437.96	3818993.37	1.21E-05	5.06E-05	4.56E-06	1.00E-05	3.72E-05	3.27E-06	1.14E-06	6.51E-06	7.77E-07	1.03E-06	3.41E-06	2.35E-07
2010	471441.51	3819002.2	1.22E-05	5.14E-05	4.63E-06	1.02E-05	3.78E-05	3.32E-06	1.16E-06	6.62E-06	7.90E-07	1.05E-06	3.47E-06	2.39E-07
2011	471445.07	3819011.03	1.24E-05	5.22E-05	4.70E-06	1.04E-05	3.84E-05	3.38E-06	1.17E-06	6.72E-06	8.02E-07	1.07E-06	3.52E-06	2.43E-07
2012	471448.62	3819019.85	1.26E-05	5.30E-05	4.78E-06	1.05E-05	3.90E-05	3.43E-06	1.19E-06	6.83E-06	8.15E-07	1.08E-06	3.57E-06	2.46E-07
2013	471452.18	3819028.68	1.28E-05	5.38E-05	4.85E-06	1.07E-05	3.96E-05	3.48E-06	1.21E-06	6.93E-06	8.27E-07	1.10E-06	3.63E-06	2.50E-07
2014	471462.84	3819055.17	1.34E-05	5.62E-05	5.06E-06	1.12E-05	4.13E-05	3.63E-06	1.26E-06	7.24E-06	8.64E-07	1.15E-06	3.79E-06	2.61E-07
2015	471466.39	3819063.99	1.36E-05	5.70E-05	5.13E-06	1.13E-05	4.19E-05	3.68E-06	1.28E-06	7.34E-06	8.75E-07	1.17E-06	3.84E-06	2.65E-07
2016	471469.94	3819072.82	1.38E-05	5.78E-05	5.20E-06	1.15E-05	4.24E-05	3.73E-06	1.30E-06	7.44E-06	8.87E-07	1.18E-06	3.89E-06	2.68E-07
2017	471473.5	3819081.65	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.32E-06	7.53E-06	8.99E-07	1.20E-06	3.94E-06	2.72E-07
2018	471477.05	3819090.48	1.41E-05	5.92E-05	5.33E-06	1.17E-05	4.35E-05	3.83E-06	1.33E-06	7.63E-06	9.10E-07	1.21E-06	3.99E-06	2.75E-07
2019	471480.61	3819099.3	1.43E-05	6.00E-05	5.40E-06	1.19E-05	4.41E-05	3.88E-06	1.35E-06	7.72E-06	9.21E-07	1.23E-06	4.04E-06	2.79E-07
2020	471484.16	3819108.13	1.44E-05	6.07E-05	5.46E-06	1.20E-05	4.46E-05	3.92E-06	1.36E-06	7.81E-06	9.32E-07	1.24E-06	4.09E-06	2.82E-07
2021	471487.71	3819116.96	1.46E-05	6.14E-05	5.53E-06	1.22E-05	4.51E-05	3.97E-06	1.38E-06	7.90E-06	9.42E-07	1.25E-06	4.14E-06	2.85E-07
2022	471491.27	3819125.79	1.48E-05	6.20E-05	5.59E-06	1.23E-05	4.56E-05	4.01E-06	1.39E-06	7.98E-06	9.53E-07	1.27E-06	4.18E-06	2.88E-07
2023	471494.82	3819134.61	1.49E-05	6.27E-05	5.65E-06	1.24E-05	4.61E-05	4.05E-06	1.41E-06	8.07E-06	9.63E-07	1.28E-06	4.23E-06	2.91E-07
2024	471501.93	3819152.27	1.52E-05	6.39E-05	5.76E-06	1.27E-05	4.70E-05	4.13E-06	1.44E-06	8.23E-06	9.82E-07	1.31E-06	4.31E-06	2.97E-07
2025	471505.48	3819161.1	1.54E-05	6.45E-05	5.81E-06	1.28E-05	4.74E-05	4.17E-06	1.45E-06	8.31E-06	9.91E-07	1.32E-06	4.35E-06	3.00E-07
2026	471509.04	3819169.92	1.55E-05	6.51E-05	5.86E-06	1.29E-05	4.78E-05	4.21E-06	1.46E-06	8.38E-06	1.00E-06	1.33E-06	4.39E-06	3.02E-07
2027	471512.59	3819178.75	1.56E-05	6.56E-05	5.91E-06	1.30E-05	4.82E-05	4.24E-06	1.48E-06	8.45E-06	1.01E-06	1.34E-06	4.42E-06	3.05E-07
2028	471516.15	3819187.58	1.58E-05	6.62E-05	5.96E-06	1.31E-05	4.86E-05	4.28E-06	1.49E-06	8.52E-06	1.02E-06	1.35E-06	4.46E-06	3.07E-07
2029	471519.7	3819196.41	1.59E-05	6.66E-05	6.00E-06	1.32E-05	4.90E-05	4.31E-06	1.50E-06	8.58E-06	1.02E-06	1.36E-06	4.49E-06	3.10E-07
2030	471523.25	3819205.24	1.60E-05	6.71E-05	6.05E-06	1.33E-05	4.93E-05	4.34E-06	1.51E-06	8.64E-06	1.03E-06	1.37E-06	4.52E-06	3.12E-07
2031	471526.81	3819214.06	1.61E-05	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
2032	471530.36	3819222.89	1.62E-05	6.80E-05	6.12E-06	1.35E-05	5.00E-05	4.40E-06	1.53E-06	8.75E-06	1.04E-06	1.39E-06	4.58E-06	3.16E-07
2033	470184.11	3817977.08	1.07E-05	4.50E-05	4.05E-06	8.92E-06	3.30E-05	2.91E-06	1.01E-06	5.79E-06	6.90E-07	9.19E-07	3.03E-06	2.09E-07
2034	470174.55	3817976.94	1.08E-05	4.52E-05	4.07E-06	8.97E-06	3.32E-05	2.92E-06	1.02E-06	5.82E-06	6.94E-07	9.24E-07	3.05E-06	2.10E-07
2035	470164.99	3817976.81	1.08E-05	4.55E-05	4.10E-06	9.02E-06	3.34E-05	2.94E-06	1.02E-06	5.85E-06	6.98E-07	9.30E-07	3.07E-06	2.11E-07
2036	470155.42	3817976.67	1.09E-05	4.57E-05	4.11E-06	9.06E-06	3.36E-05	2.95E-06	1.03E-06	5.88E-06	7.02E-07	9.34E-07	3.08E-06	2.12E-07
2037	470145.86	3817976.54	1.09E-05	4.58E-05	4.13E-06	9.09E-06	3.37E-05	2.96E-06	1.03E-06	5.90E-06	7.04E-07	9.37E-07	3.09E-06	2.13E-07
2038	470136.3	3817976.4	1.09E-05	4.60E-05	4.14E-06	9.12E-06	3.38E-05	2.97E-06	1.03E-06	5.92E-06	7.06E-07	9.40E-07	3.10E-06	2.14E-07
2039	470126.74	3817976.27	1.10E-05	4.60E-05	4.14E-06	9.12E-06	3.38E-05	2.97E-06	1.03E-06	5.92E-06	7.07E-07	9.40E-07	3.10E-06	2.14E-07
2040	470370.21	3817928.85	7.66E-06	3.22E-05	2.90E-06	6.38E-06	2.36E-05	2.08E-06	7.24E-07	4.14E-06	4.94E-07	6.58E-07	2.17E-06	1.50E-07

2041	470378.99	3817932.61	7.58E-06	3.18E-05	2.87E-06	6.31E-06	2.34E-05	2.06E-06	7.15E-07	4.10E-06	4.89E-07	6.50E-07	2.14E-06	1.48E-07
2042	470387.77	3817936.38	7.49E-06	3.15E-05	2.83E-06	6.24E-06	2.31E-05	2.03E-06	7.07E-07	4.05E-06	4.83E-07	6.43E-07	2.12E-06	1.46E-07
2043	470396.55	3817940.15	7.42E-06	3.12E-05	2.81E-06	6.18E-06	2.29E-05	2.01E-06	7.00E-07	4.01E-06	4.78E-07	6.37E-07	2.10E-06	1.45E-07
2044	470405.33	3817943.92	7.35E-06	3.09E-05	2.78E-06	6.12E-06	2.27E-05	2.00E-06	6.94E-07	3.97E-06	4.74E-07	6.31E-07	2.08E-06	1.43E-07
2045	470414.11	3817947.68	7.29E-06	3.06E-05	2.76E-06	6.07E-06	2.25E-05	1.98E-06	6.88E-07	3.94E-06	4.70E-07	6.26E-07	2.06E-06	1.42E-07
2046	470422.88	3817951.45	7.24E-06	3.04E-05	2.74E-06	6.03E-06	2.23E-05	1.96E-06	6.83E-07	3.91E-06	4.67E-07	6.21E-07	2.05E-06	1.41E-07
2047	470431.66	3817955.22	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.03E-06	1.40E-07
2048	470440.44	3817958.99	7.14E-06	3.00E-05	2.70E-06	5.95E-06	2.20E-05	1.94E-06	6.74E-07	3.86E-06	4.60E-07	6.13E-07	2.02E-06	1.39E-07
2049	470449.22	3817962.76	7.09E-06	2.98E-05	2.68E-06	5.91E-06	2.19E-05	1.92E-06	6.70E-07	3.83E-06	4.57E-07	6.09E-07	2.01E-06	1.38E-07
2050	470458	3817966.52	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.04E-06	1.40E-07
2051	470466.78	3817970.29	7.14E-06	3.00E-05	2.70E-06	5.95E-06	2.20E-05	1.94E-06	6.74E-07	3.86E-06	4.60E-07	6.13E-07	2.02E-06	1.39E-07
2052	470475.56	3817974.06	7.08E-06	2.97E-05	2.68E-06	5.90E-06	2.19E-05	1.92E-06	6.69E-07	3.83E-06	4.57E-07	6.08E-07	2.00E-06	1.38E-07
2053	470484.33	3817977.83	7.02E-06	2.95E-05	2.65E-06	5.85E-06	2.17E-05	1.91E-06	6.63E-07	3.79E-06	4.53E-07	6.03E-07	1.99E-06	1.37E-07
2054	470493.11	3817981.6	6.96E-06	2.92E-05	2.63E-06	5.79E-06	2.15E-05	1.89E-06	6.57E-07	3.76E-06	4.49E-07	5.97E-07	1.97E-06	1.36E-07
2055	470501.89	3817985.36	6.89E-06	2.90E-05	2.61E-06	5.74E-06	2.13E-05	1.87E-06	6.51E-07	3.73E-06	4.45E-07	5.92E-07	1.95E-06	1.35E-07
2056	470510.67	3817989.13	6.84E-06	2.87E-05	2.59E-06	5.69E-06	2.11E-05	1.86E-06	6.46E-07	3.70E-06	4.41E-07	5.87E-07	1.93E-06	1.33E-07
2057	470519.45	3817992.9	6.78E-06	2.85E-05	2.56E-06	5.65E-06	2.09E-05	1.84E-06	6.40E-07	3.66E-06	4.37E-07	5.82E-07	1.92E-06	1.32E-07
2058	470528.23	3817996.67	6.73E-06	2.82E-05	2.54E-06	5.60E-06	2.08E-05	1.83E-06	6.35E-07	3.64E-06	4.34E-07	5.77E-07	1.90E-06	1.31E-07
2059	470537	3818000.43	6.67E-06	2.80E-05	2.52E-06	5.55E-06	2.06E-05	1.81E-06	6.30E-07	3.60E-06	4.30E-07	5.72E-07	1.89E-06	1.30E-07
2060	470545.78	3818004.2	6.61E-06	2.78E-05	2.50E-06	5.51E-06	2.04E-05	1.79E-06	6.24E-07	3.57E-06	4.26E-07	5.67E-07	1.87E-06	1.29E-07
2061	470554.56	3818007.97	6.55E-06	2.75E-05	2.48E-06	5.46E-06	2.02E-05	1.78E-06	6.19E-07	3.54E-06	4.23E-07	5.62E-07	1.85E-06	1.28E-07
2062	470563.34	3818011.74	6.50E-06	2.73E-05	2.46E-06	5.41E-06	2.01E-05	1.76E-06	6.14E-07	3.51E-06	4.19E-07	5.58E-07	1.84E-06	1.27E-07
2063	470572.12	3818015.51	6.45E-06	2.71E-05	2.44E-06	5.37E-06	1.99E-05	1.75E-06	6.09E-07	3.48E-06	4.16E-07	5.53E-07	1.82E-06	1.26E-07
2064	470580.9	3818019.27	6.39E-06	2.68E-05	2.42E-06	5.33E-06	1.97E-05	1.74E-06	6.04E-07	3.46E-06	4.12E-07	5.49E-07	1.81E-06	1.25E-07
2065	470589.68	3818023.04	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.99E-07	3.43E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
2066	470598.45	3818026.81	6.29E-06	2.64E-05	2.38E-06	5.24E-06	1.94E-05	1.71E-06	5.94E-07	3.40E-06	4.06E-07	5.40E-07	1.78E-06	1.23E-07
2067	470607.23	3818030.58	6.25E-06	2.62E-05	2.36E-06	5.21E-06	1.93E-05	1.70E-06	5.90E-07	3.38E-06	4.03E-07	5.36E-07	1.77E-06	1.22E-07
2068	470616.01	3818034.34	6.21E-06	2.61E-05	2.35E-06	5.17E-06	1.91E-05	1.68E-06	5.86E-07	3.35E-06	4.00E-07	5.33E-07	1.76E-06	1.21E-07
2069	470624.79	3818038.11	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.82E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
2070	470633.57	3818041.88	6.12E-06	2.57E-05	2.32E-06	5.10E-06	1.89E-05	1.66E-06	5.78E-07	3.31E-06	3.95E-07	5.26E-07	1.73E-06	1.19E-07
2071	470642.35	3818045.65	6.08E-06	2.55E-05	2.30E-06	5.06E-06	1.88E-05	1.65E-06	5.74E-07	3.29E-06	3.92E-07	5.22E-07	1.72E-06	1.19E-07
2072	470651.12	3818049.42	6.04E-06	2.54E-05	2.29E-06	5.03E-06	1.86E-05	1.64E-06	5.71E-07	3.27E-06	3.90E-07	5.19E-07	1.71E-06	1.18E-07
2073	470659.9	3818053.18	5.99E-06	2.52E-05	2.27E-06	4.99E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
2074	470668.68	3818056.95	5.95E-06	2.50E-05	2.25E-06	4.96E-06	1.84E-05	1.62E-06	5.62E-07	3.22E-06	3.84E-07	5.11E-07	1.68E-06	1.16E-07
2075	470677.46	3818060.72	5.91E-06	2.48E-05	2.23E-06	4.92E-06	1.82E-05	1.60E-06	5.58E-07	3.19E-06	3.81E-07	5.07E-07	1.67E-06	1.15E-07
2076	470686.24	3818064.49	5.86E-06	2.46E-05	2.22E-06	4.88E-06	1.81E-05	1.59E-06	5.54E-07	3.17E-06	3.78E-07	5.03E-07	1.66E-06	1.14E-07
2077	470695.02	3818068.25	5.82E-06	2.44E-05	2.20E-06	4.85E-06	1.80E-05	1.58E-06	5.50E-07	3.15E-06	3.75E-07	5.00E-07	1.65E-06	1.14E-07
2078	470703.8	3818072.02	5.78E-06	2.43E-05	2.19E-06	4.81E-06	1.78E-05	1.57E-06	5.46E-07	3.12E-06	3.73E-07	4.96E-07	1.64E-06	1.13E-07
2079	470712.57	3818075.79	5.73E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.41E-07	3.10E-06	3.70E-07	4.92E-07	1.62E-06	1.12E-07
2080	470721.35	3818079.56	5.69E-06	2.39E-05	2.15E-06	4.74E-06	1.75E-05	1.54E-06	5.37E-07	3.07E-06	3.67E-07	4.88E-07	1.61E-06	1.11E-07
2081	470730.13	3818083.33	5.64E-06	2.37E-05	2.13E-06	4.70E-06	1.74E-05	1.53E-06	5.32E-07	3.05E-06	3.64E-07	4.84E-07	1.60E-06	1.10E-07
2082	470738.91	3818087.09	5.59E-06	2.35E-05	2.11E-06	4.66E-06	1.72E-05	1.52E-06	5.28E-07	3.02E-06	3.61E-07	4.80E-07	1.58E-06	1.09E-07
2083	470747.69	3818090.86	5.55E-06	2.33E-05	2.10E-06	4.62E-06	1.71E-05	1.51E-06	5.24E-07	3.00E-06	3.58E-07	4.77E-07	1.57E-06	1.08E-07
2084	470756.47	3818094.63	5.51E-06	2.32E-05	2.08E-06	4.59E-06	1.70E-05	1.50E-06	5.21E-07	2.98E-06	3.56E-07	4.73E-07	1.56E-06	1.08E-07
2085	470765.24	3818098.4	5.47E-06	2.30E-05	2.07E-06	4.56E-06	1.69E-05	1.48E-06	5.17E-07	2.96E-06	3.53E-07	4.70E-07	1.55E-06	1.07E-07
2086	470774.02	3818102.16	5.42E-06	2.28E-05	2.05E-06	4.52E-06	1.67E-05	1.47E-06	5.12E-07	2.93E-06	3.50E-07	4.65E-07	1.53E-06	1.06E-07
2087	470782.8	3818105.93	5.38E-06	2.26E-05	2.03E-06	4.48E-06	1.66E-05	1.46E-06	5.08E-07	2.91E-06	3.47E-07	4.62E-07	1.52E-06	1.05E-07
2088	470791.58	3818109.7	5.33E-06	2.24E-05	2.02E-06	4.44E-06	1.64E-05	1.45E-06	5.03E-07	2.88E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
2089	470800.36	3818113.47	5.29E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.44E-06	4.99E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
2090	470809.14	3818117.24	5.24E-06	2.20E-05	1.98E-06	4.36E-06	1.62E-05	1.42E-06	4.95E-07	2.83E-06	3.38E-07	4.50E-07	1.48E-06	1.02E-07
2091	470817.92	3818121	5.20E-06	2.18E-05	1.96E-06	4.33E-06	1.60E-05	1.41E-06	4.91E-07	2.81E-06	3.35E-07	4.46E-07	1.47E-06	1.01E-07
2092	470826.69	3818124.77	5.15E-06	2.16E-05	1.95E-06	4.29E-06	1.59E-05	1.40E-06	4.86E-07	2.78E-06	3.32E-07	4.42E-07	1.46E-06	1.00E-07
2093	470835.47	3818128.54	5.10E-06	2.14E-05	1.93E-06	4.25E-06	1.57E-05	1.39E-06	4.82E-07	2.76E-06	3.29E-07	4.38E-07	1.44E-06	9.96E-08
2094	470844.25	3818132.31	5.06E-06	2.12E-05	1.91E-06	4.21E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.26E-07	4.34E-07	1.43E-06	9.87E-08
2095	470853.03	3818136.07	5.01E-06	2.10E-05	1.89E-06	4.17E-06	1.55E-05	1.36E-06	4.73E-07	2.71E-06	3.23E-07	4.30E-07	1.42E-06	9.77E-08
2096	470861.81	3818139.84	4.96E-06	2.08E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.69E-07	2.68E-06	3.20E-07	4.26E-07	1.41E-06	9.69E-08
2097	470870.59	3818143.61	4.92E-06	2.06E-05	1.86E-06	4.10E-06	1.52E-05	1.33E-06	4.64E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.59E-08
2098	470879.37	3818147.38	4.87E-06	2.04E-05	1.84E-06	4.06E-06	1.50E-05	1.32E-06	4.60E-07	2.63E-06	3.14E-07	4.18E-07	1.38E-06	9.50E-08
2099	470888.14	3818151.15	4.82E-06	2.02E-05	1.82E-06	4.01E-06	1.49E-05	1.31E-06	4.55E-07	2.61E-06	3.11E-07	4.14E-07	1.36E-06	9.41E-08
2100	470896.92	3818154.91	4.77E-06	2.00E-05	1.80E-06	3.97E-06	1.47E-05	1.30E-06	4.51E-07	2.58E-06	3.08E-07	4.10E-07	1.35E-06	9.31E-08
2101	470905.7	3818158.68	4.72E-06	1.98E-05	1.79E-06	3.93E-06	1.46E-05	1.28E-06	4.46E-07	2.55E-06	3.05E-07	4.06E-07	1.34E-06	9.22E-08
2102	470914.48	3818162.45	4.67E-06	1.96E-05	1.77E-06	3.89E-06	1.44E-05	1.27E-06	4.41E-07	2.53E-06	3.01E-07	4.01E-07	1.32E-06	9.11E-08
2103	470923.26	3818166.22	4.62E-06	1.94E-05	1.75E-06	3.85E-06	1.43E-05	1.25E-06	4.37E-07	2.50E-06	2.98E-07	3.97E-07	1.31E-06	9.02E-08
2104	470932.04	3818169.98	4.57E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.92E-07	1.29E-06	8.92E-08
2105	470940.81	3818173.75	4.51E-06	1.90E-05	1.71E-06	3.76E-06	1.39E-05	1.22E-06	4.26E-07	2.44E-06	2.91E-07	3.87E-07	1.28E-06	8.80E-08
2106	470949.59	3818177.52	4.45E-06	1.87E-05	1.68E-06	3.71E-06	1.37E-05	1.21E-06	4.21E-07	2.41E-06	2.87E-07	3.82E-07	1.26E-06	8.69E-08
2107	470958.37	3818181.29	4.41E-06	1.85E-05	1.67E-06	3.67E-06	1.36E-05	1.20E-06	4.16E-07	2.38E-06	2.84E-07	3.78E-07	1.25E-06	8.60E-08
2108	470967.15	3818185.06	4.36E-06	1.83E-05	1.65E-06	3.63E-06	1.34E-05	1.18E-06	4.12E-07	2.36E-06	2.81E-07	3.74E-07	1.23E-06	8.50E-08
2109	470975.93	3818188.82	4.31E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.41E-08
2110	470984.71	3818192.59	4.27E-06	1.79E-05	1.61E-06	3.55E-06	1.32E-05	1.16E-06	4.03E-07	2.31E-06	2.75E-07	3.66E-07	1.21E-06	8.33E-08
2111	470993.49	3818196.36	4.22E-06	1.77E-05	1.60E-06	3.52E-06	1.30E-05	1.15E-06	3.99E-07	2.28E-06	2.72E-07	3.63E-07	1.20E-06	8.24E-08
2112	471002.26	3818200.13	4.19E-06	1.76E-05	1.58E-06	3.49E-06	1.29E-05	1.14E-06	3.95E-07	2.26E-06	2.70E-07	3.59E-07	1.18E-06	8.17E-08
2113	471011.04	3818203.9	4.14E-06	1.74E-05	1.57E-06	3.45E-06	1.28E-05	1.12E-06	3.91E-07	2.24E-06	2.67E-07	3.56E-07	1.17E-06	8.08E-08

2114	471019.82	3818207.66	4.10E-06	1.72E-05	1.55E-06	3.41E-06	1.26E-05	1.11E-06	3.87E-07	2.22E-06	2.64E-07	3.52E-07	1.16E-06	8.00E-08
2115	471028.6	3818211.43	4.06E-06	1.70E-05	1.53E-06	3.38E-06	1.25E-05	1.10E-06	3.83E-07	2.19E-06	2.62E-07	3.48E-07	1.15E-06	7.91E-08
2116	471037.38	3818215.2	4.01E-06	1.68E-05	1.52E-06	3.34E-06	1.24E-05	1.09E-06	3.79E-07	2.17E-06	2.59E-07	3.44E-07	1.14E-06	7.83E-08
2117	471046.16	3818218.97	3.98E-06	1.67E-05	1.50E-06	3.31E-06	1.23E-05	1.08E-06	3.76E-07	2.15E-06	2.57E-07	3.42E-07	1.13E-06	7.76E-08
2118	471054.93	3818222.73	3.94E-06	1.66E-05	1.49E-06	3.29E-06	1.22E-05	1.07E-06	3.73E-07	2.13E-06	2.54E-07	3.39E-07	1.12E-06	7.70E-08
2119	471063.71	3818226.5	3.91E-06	1.64E-05	1.48E-06	3.25E-06	1.21E-05	1.06E-06	3.69E-07	2.11E-06	2.52E-07	3.35E-07	1.11E-06	7.62E-08
2120	471072.49	3818230.27	3.87E-06	1.62E-05	1.46E-06	3.22E-06	1.19E-05	1.05E-06	3.65E-07	2.09E-06	2.49E-07	3.32E-07	1.09E-06	7.55E-08
2121	471107.61	3818245.34	3.73E-06	1.57E-05	1.41E-06	3.11E-06	1.15E-05	1.01E-06	3.52E-07	2.02E-06	2.40E-07	3.20E-07	1.06E-06	7.27E-08
2122	471116.38	3818249.11	3.69E-06	1.55E-05	1.40E-06	3.08E-06	1.14E-05	1.00E-06	3.49E-07	2.00E-06	2.38E-07	3.17E-07	1.05E-06	7.21E-08
2123	471125.16	3818252.88	3.67E-06	1.54E-05	1.39E-06	3.05E-06	1.13E-05	9.95E-07	3.46E-07	1.98E-06	2.36E-07	3.15E-07	1.04E-06	7.15E-08
2124	471133.94	3818256.64	3.64E-06	1.53E-05	1.38E-06	3.03E-06	1.12E-05	9.87E-07	3.43E-07	1.97E-06	2.35E-07	3.12E-07	1.03E-06	7.10E-08
2125	471142.72	3818260.41	3.61E-06	1.52E-05	1.36E-06	3.01E-06	1.11E-05	9.79E-07	3.41E-07	1.95E-06	2.33E-07	3.10E-07	1.02E-06	7.04E-08
2126	471151.5	3818264.18	3.58E-06	1.50E-05	1.35E-06	2.98E-06	1.10E-05	9.72E-07	3.38E-07	1.93E-06	2.31E-07	3.07E-07	1.01E-06	6.98E-08
2127	471160.28	3818267.95	3.56E-06	1.49E-05	1.34E-06	2.96E-06	1.10E-05	9.65E-07	3.36E-07	1.92E-06	2.29E-07	3.05E-07	1.01E-06	6.94E-08
2128	471169.05	3818271.72	3.53E-06	1.48E-05	1.34E-06	2.94E-06	1.09E-05	9.59E-07	3.33E-07	1.91E-06	2.28E-07	3.03E-07	9.99E-07	6.89E-08
2129	471177.83	3818275.48	3.51E-06	1.47E-05	1.33E-06	2.92E-06	1.08E-05	9.52E-07	3.31E-07	1.90E-06	2.26E-07	3.01E-07	9.93E-07	6.84E-08
2130	471186.61	3818279.25	3.49E-06	1.46E-05	1.32E-06	2.91E-06	1.08E-05	9.47E-07	3.29E-07	1.89E-06	2.25E-07	2.99E-07	9.87E-07	6.81E-08
2131	471195.39	3818283.02	3.47E-06	1.46E-05	1.31E-06	2.89E-06	1.07E-05	9.42E-07	3.28E-07	1.88E-06	2.24E-07	2.98E-07	9.82E-07	6.77E-08
2132	471204.17	3818286.79	3.45E-06	1.45E-05	1.30E-06	2.87E-06	1.06E-05	9.36E-07	3.26E-07	1.86E-06	2.22E-07	2.96E-07	9.76E-07	6.73E-08
2133	471212.95	3818290.55	3.43E-06	1.44E-05	1.30E-06	2.86E-06	1.06E-05	9.31E-07	3.24E-07	1.85E-06	2.21E-07	2.94E-07	9.71E-07	6.69E-08
2134	471221.73	3818294.32	3.42E-06	1.43E-05	1.29E-06	2.84E-06	1.05E-05	9.27E-07	3.23E-07	1.85E-06	2.20E-07	2.93E-07	9.67E-07	6.66E-08
2135	471230.5	3818298.09	3.40E-06	1.43E-05	1.29E-06	2.83E-06	1.05E-05	9.23E-07	3.21E-07	1.84E-06	2.19E-07	2.92E-07	9.63E-07	6.64E-08
2136	471242.85	3818310.72	3.42E-06	1.43E-05	1.29E-06	2.84E-06	1.05E-05	9.27E-07	3.23E-07	1.85E-06	2.20E-07	2.93E-07	9.67E-07	6.66E-08
2137	471246.42	3818319.58	3.44E-06	1.45E-05	1.30E-06	2.87E-06	1.06E-05	9.35E-07	3.25E-07	1.86E-06	2.22E-07	2.96E-07	9.75E-07	6.72E-08
2138	471249.99	3818328.44	3.47E-06	1.46E-05	1.31E-06	2.89E-06	1.07E-05	9.43E-07	3.28E-07	1.88E-06	2.24E-07	2.98E-07	9.83E-07	6.78E-08
2139	471253.55	3818337.3	3.51E-06	1.47E-05	1.33E-06	2.92E-06	1.08E-05	9.52E-07	3.31E-07	1.90E-06	2.26E-07	3.01E-07	9.93E-07	6.84E-08
2140	471257.12	3818346.17	3.54E-06	1.49E-05	1.34E-06	2.95E-06	1.09E-05	9.61E-07	3.34E-07	1.91E-06	2.28E-07	3.04E-07	1.00E-06	6.91E-08
2141	471260.69	3818355.03	3.57E-06	1.50E-05	1.35E-06	2.98E-06	1.10E-05	9.70E-07	3.38E-07	1.93E-06	2.31E-07	3.07E-07	1.01E-06	6.97E-08
2142	471264.26	3818363.89	3.61E-06	1.52E-05	1.37E-06	3.01E-06	1.11E-05	9.81E-07	3.41E-07	1.95E-06	2.33E-07	3.10E-07	1.02E-06	7.05E-08
2143	471267.82	3818372.75	3.65E-06	1.53E-05	1.38E-06	3.04E-06	1.13E-05	9.91E-07	3.45E-07	1.97E-06	2.36E-07	3.13E-07	1.03E-06	7.12E-08
2144	471271.39	3818381.61	3.69E-06	1.55E-05	1.40E-06	3.07E-06	1.14E-05	1.00E-06	3.48E-07	1.99E-06	2.38E-07	3.17E-07	1.04E-06	7.20E-08
2145	471274.96	3818390.47	3.73E-06	1.57E-05	1.41E-06	3.11E-06	1.15E-05	1.01E-06	3.53E-07	2.02E-06	2.41E-07	3.20E-07	1.06E-06	7.28E-08
2146	471278.53	3818399.34	3.78E-06	1.59E-05	1.43E-06	3.15E-06	1.17E-05	1.03E-06	3.57E-07	2.04E-06	2.44E-07	3.24E-07	1.07E-06	7.37E-08
2147	471282.09	3818408.2	3.82E-06	1.60E-05	1.44E-06	3.18E-06	1.18E-05	1.04E-06	3.61E-07	2.06E-06	2.46E-07	3.28E-07	1.08E-06	7.45E-08
2148	471285.66	3818417.06	3.87E-06	1.62E-05	1.46E-06	3.22E-06	1.19E-05	1.05E-06	3.65E-07	2.09E-06	2.49E-07	3.32E-07	1.09E-06	7.55E-08
2149	471289.23	3818425.92	3.92E-06	1.64E-05	1.48E-06	3.26E-06	1.21E-05	1.06E-06	3.70E-07	2.12E-06	2.53E-07	3.36E-07	1.11E-06	7.64E-08
2150	471314.2	3818487.95	4.31E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.41E-08
2151	471317.77	3818496.82	4.37E-06	1.84E-05	1.65E-06	3.64E-06	1.35E-05	1.19E-06	4.13E-07	2.36E-06	2.82E-07	3.75E-07	1.24E-06	8.53E-08
2152	471321.34	3818505.68	4.44E-06	1.86E-05	1.68E-06	3.69E-06	1.37E-05	1.20E-06	4.19E-07	2.40E-06	2.86E-07	3.81E-07	1.26E-06	8.65E-08
2153	471324.91	3818514.54	4.50E-06	1.89E-05	1.70E-06	3.75E-06	1.39E-05	1.22E-06	4.25E-07	2.43E-06	2.90E-07	3.87E-07	1.27E-06	8.79E-08
2154	471328.47	3818523.4	4.57E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.92E-07	1.29E-06	8.92E-08
2155	471332.04	3818532.26	4.64E-06	1.95E-05	1.75E-06	3.86E-06	1.43E-05	1.26E-06	4.38E-07	2.51E-06	2.99E-07	3.98E-07	1.31E-06	9.05E-08
2156	471335.61	3818541.12	4.71E-06	1.98E-05	1.78E-06	3.92E-06	1.45E-05	1.28E-06	4.45E-07	2.55E-06	3.04E-07	4.04E-07	1.33E-06	9.19E-08
2157	471339.18	3818549.99	4.78E-06	2.01E-05	1.81E-06	3.98E-06	1.48E-05	1.30E-06	4.52E-07	2.59E-06	3.08E-07	4.10E-07	1.35E-06	9.33E-08
2158	471342.74	3818558.85	4.86E-06	2.04E-05	1.84E-06	4.05E-06	1.50E-05	1.32E-06	4.59E-07	2.63E-06	3.13E-07	4.17E-07	1.38E-06	9.48E-08
2159	471346.31	3818567.71	4.94E-06	2.07E-05	1.87E-06	4.11E-06	1.52E-05	1.34E-06	4.66E-07	2.67E-06	3.18E-07	4.24E-07	1.40E-06	9.63E-08
2160	471349.88	3818576.57	5.01E-06	2.11E-05	1.90E-06	4.18E-06	1.55E-05	1.36E-06	4.73E-07	2.71E-06	3.23E-07	4.30E-07	1.42E-06	9.78E-08
2161	471353.45	3818585.43	5.09E-06	2.14E-05	1.92E-06	4.24E-06	1.57E-05	1.38E-06	4.81E-07	2.75E-06	3.28E-07	4.37E-07	1.44E-06	9.93E-08
2162	471357.01	3818594.29	5.17E-06	2.17E-05	1.96E-06	4.31E-06	1.60E-05	1.40E-06	4.88E-07	2.80E-06	3.34E-07	4.44E-07	1.46E-06	1.01E-07
2163	471360.58	3818603.16	5.26E-06	2.21E-05	1.99E-06	4.38E-06	1.62E-05	1.43E-06	4.97E-07	2.84E-06	3.39E-07	4.51E-07	1.49E-06	1.03E-07
2164	471364.15	3818612.02	5.34E-06	2.24E-05	2.02E-06	4.45E-06	1.65E-05	1.45E-06	5.04E-07	2.89E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
2165	471367.72	3818620.88	5.43E-06	2.28E-05	2.05E-06	4.52E-06	1.67E-05	1.47E-06	5.12E-07	2.93E-06	3.50E-07	4.66E-07	1.54E-06	1.06E-07
2166	471371.29	3818629.74	5.52E-06	2.32E-05	2.09E-06	4.60E-06	1.70E-05	1.50E-06	5.21E-07	2.98E-06	3.56E-07	4.74E-07	1.56E-06	1.08E-07
2167	471374.85	3818638.6	5.61E-06	2.36E-05	2.12E-06	4.67E-06	1.73E-05	1.52E-06	5.30E-07	3.03E-06	3.62E-07	4.82E-07	1.59E-06	1.09E-07
2168	471378.42	3818647.46	5.70E-06	2.39E-05	2.16E-06	4.75E-06	1.76E-05	1.55E-06	5.38E-07	3.08E-06	3.68E-07	4.89E-07	1.61E-06	1.11E-07
2169	471381.99	3818656.33	5.80E-06	2.43E-05	2.19E-06	4.83E-06	1.79E-05	1.57E-06	5.47E-07	3.13E-06	3.74E-07	4.98E-07	1.64E-06	1.13E-07
2170	471385.56	3818665.19	5.89E-06	2.47E-05	2.23E-06	4.91E-06	1.82E-05	1.60E-06	5.56E-07	3.19E-06	3.80E-07	5.06E-07	1.67E-06	1.15E-07
2171	471389.12	3818674.05	5.99E-06	2.52E-05	2.27E-06	4.99E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
2172	471392.69	3818682.91	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.65E-06	5.76E-07	3.29E-06	3.93E-07	5.23E-07	1.73E-06	1.19E-07
2173	471396.26	3818691.77	6.20E-06	2.60E-05	2.34E-06	5.16E-06	1.91E-05	1.68E-06	5.85E-07	3.35E-06	4.00E-07	5.32E-07	1.75E-06	1.21E-07
2174	471399.83	3818700.63	6.30E-06	2.65E-05	2.38E-06	5.25E-06	1.94E-05	1.71E-06	5.95E-07	3.41E-06	4.06E-07	5.41E-07	1.78E-06	1.23E-07
2175	471403.39	3818709.5	6.41E-06	2.69E-05	2.42E-06	5.34E-06	1.98E-05	1.74E-06	6.05E-07	3.46E-06	4.13E-07	5.50E-07	1.81E-06	1.25E-07
2176	471406.96	3818718.36	6.52E-06	2.74E-05	2.47E-06	5.43E-06	2.01E-05	1.77E-06	6.16E-07	3.52E-06	4.20E-07	5.60E-07	1.85E-06	1.27E-07
2177	471410.53	3818727.22	6.63E-06	2.79E-05	2.51E-06	5.53E-06	2.05E-05	1.80E-06	6.26E-07	3.59E-06	4.28E-07	5.69E-07	1.88E-06	1.29E-07
2178	471414.1	3818736.08	6.75E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
2179	471417.66	3818744.94	6.86E-06	2.88E-05	2.60E-06	5.72E-06	2.12E-05	1.86E-06	6.48E-07	3.71E-06	4.43E-07	5.89E-07	1.94E-06	1.34E-07
2180	471421.23	3818753.8	6.98E-06	2.93E-05	2.64E-06	5.82E-06	2.16E-05	1.90E-06	6.60E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
2181	471424.8	3818762.67	7.11E-06	2.99E-05	2.69E-06	5.92E-06	2.19E-05	1.93E-06	6.71E-07	3.84E-06	4.59E-07	6.10E-07	2.01E-06	1.39E-07
2182	471428.37	3818771.53	7.24E-06	3.04E-05	2.74E-06	6.03E-06	2.23E-05	1.96E-06	6.83E-07	3.91E-06	4.67E-07	6.21E-07	2.05E-06	1.41E-07
2183	471431.94	3818780.39	7.36E-06	3.09E-05	2.78E-06	6.13E-06	2.27E-05	2.00E-06	6.95E-07	3.98E-06	4.75E-07	6.32E-07	2.08E-06	1.44E-07
2184	471435.5	3818789.25	7.49E-06	3.15E-05	2.83E-06	6.24E-06	2.31E-05	2.03E-06	7.07E-07	4.05E-06	4.83E-07	6.43E-07	2.12E-06	1.46E-07
2185	471439.07	3818798.11	7.62E-06	3.20E-05	2.88E-06	6.35E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.92E-07	6.55E-07	2.16E-06	1.49E-07
2186	471442.64	3818806.97	7.76E-06	3.26E-05	2.93E-06	6.46E-06	2.39E-05	2.11E-06	7.33E-07	4.19E-06	5.00E-07	6.66E-07	2.20E-06	1.51E-07

2187	471446.21	3818815.84	7.89E-06	3.32E-05	2.99E-06	6.58E-06	2.44E-05	2.14E-06	7.45E-07	4.27E-06	5.09E-07	6.78E-07	2.23E-06	1.54E-07
2188	471449.77	3818824.7	8.04E-06	3.38E-05	3.04E-06	6.70E-06	2.48E-05	2.18E-06	7.59E-07	4.35E-06	5.18E-07	6.90E-07	2.28E-06	1.57E-07
2189	471453.34	3818833.56	8.18E-06	3.43E-05	3.09E-06	6.81E-06	2.52E-05	2.22E-06	7.72E-07	4.42E-06	5.27E-07	7.02E-07	2.31E-06	1.60E-07
2190	471460.48	3818851.28	8.47E-06	3.56E-05	3.20E-06	7.06E-06	2.61E-05	2.30E-06	8.00E-07	4.58E-06	5.46E-07	7.27E-07	2.40E-06	1.65E-07
2191	471464.04	3818860.14	8.62E-06	3.62E-05	3.26E-06	7.18E-06	2.66E-05	2.34E-06	8.14E-07	4.66E-06	5.56E-07	7.40E-07	2.44E-06	1.68E-07
2192	471467.61	3818869.01	8.77E-06	3.68E-05	3.32E-06	7.30E-06	2.71E-05	2.38E-06	8.28E-07	4.74E-06	5.66E-07	7.53E-07	2.48E-06	1.71E-07
2193	471471.18	3818877.87	8.92E-06	3.75E-05	3.37E-06	7.43E-06	2.75E-05	2.42E-06	8.43E-07	4.82E-06	5.76E-07	7.66E-07	2.53E-06	1.74E-07
2194	471474.75	3818886.73	9.08E-06	3.81E-05	3.43E-06	7.56E-06	2.80E-05	2.46E-06	8.57E-07	4.91E-06	5.86E-07	7.79E-07	2.57E-06	1.77E-07
2195	471478.31	3818895.59	9.24E-06	3.88E-05	3.49E-06	7.69E-06	2.85E-05	2.51E-06	8.72E-07	4.99E-06	5.96E-07	7.93E-07	2.61E-06	1.80E-07
2196	471481.88	3818904.45	9.40E-06	3.95E-05	3.55E-06	7.83E-06	2.90E-05	2.55E-06	8.87E-07	5.08E-06	6.06E-07	8.07E-07	2.66E-06	1.83E-07
2197	471485.45	3818913.31	9.55E-06	4.01E-05	3.61E-06	7.96E-06	2.95E-05	2.59E-06	9.02E-07	5.16E-06	6.16E-07	8.20E-07	2.70E-06	1.86E-07
2198	471489.02	3818922.18	9.71E-06	4.08E-05	3.67E-06	8.09E-06	3.00E-05	2.64E-06	9.17E-07	5.25E-06	6.26E-07	8.34E-07	2.75E-06	1.90E-07
2199	471492.59	3818931.04	9.88E-06	4.15E-05	3.74E-06	8.23E-06	3.05E-05	2.68E-06	9.33E-07	5.34E-06	6.37E-07	8.48E-07	2.80E-06	1.93E-07
2200	471499.72	3818948.76	1.02E-05	4.28E-05	3.86E-06	8.50E-06	3.15E-05	2.77E-06	9.63E-07	5.52E-06	6.58E-07	8.76E-07	2.89E-06	1.99E-07
2201	471503.29	3818957.62	1.04E-05	4.35E-05	3.92E-06	8.64E-06	3.20E-05	2.81E-06	9.79E-07	5.60E-06	6.69E-07	8.90E-07	2.93E-06	2.02E-07
2202	471506.86	3818966.49	1.05E-05	4.42E-05	3.98E-06	8.78E-06	3.25E-05	2.86E-06	9.95E-07	5.70E-06	6.80E-07	9.04E-07	2.98E-06	2.06E-07
2203	471510.42	3818975.35	1.07E-05	4.49E-05	4.05E-06	8.91E-06	3.30E-05	2.90E-06	1.01E-06	5.78E-06	6.90E-07	9.18E-07	3.03E-06	2.09E-07
2204	471513.99	3818984.21	1.09E-05	4.56E-05	4.11E-06	9.05E-06	3.35E-05	2.95E-06	1.03E-06	5.87E-06	7.01E-07	9.32E-07	3.07E-06	2.12E-07
2205	471517.56	3818993.07	1.10E-05	4.63E-05	4.17E-06	9.18E-06	3.40E-05	2.99E-06	1.04E-06	5.96E-06	7.11E-07	9.47E-07	3.12E-06	2.15E-07
2206	471521.13	3819001.93	1.12E-05	4.70E-05	4.23E-06	9.32E-06	3.45E-05	3.04E-06	1.06E-06	6.05E-06	7.22E-07	9.61E-07	3.17E-06	2.18E-07
2207	471524.69	3819010.79	1.14E-05	4.77E-05	4.30E-06	9.46E-06	3.50E-05	3.08E-06	1.07E-06	6.14E-06	7.33E-07	9.75E-07	3.21E-06	2.22E-07
2208	471528.26	3819019.66	1.15E-05	4.84E-05	4.36E-06	9.60E-06	3.56E-05	3.13E-06	1.09E-06	6.23E-06	7.43E-07	9.89E-07	3.26E-06	2.25E-07
2209	471531.83	3819028.52	1.17E-05	4.91E-05	4.42E-06	9.73E-06	3.60E-05	3.17E-06	1.10E-06	6.31E-06	7.53E-07	1.00E-06	3.31E-06	2.28E-07
2210	471542.53	3819055.1	1.22E-05	5.10E-05	4.60E-06	1.01E-05	3.75E-05	3.30E-06	1.15E-06	6.57E-06	7.84E-07	1.04E-06	3.44E-06	2.37E-07
2211	471546.1	3819063.96	1.23E-05	5.17E-05	4.66E-06	1.03E-05	3.80E-05	3.34E-06	1.16E-06	6.65E-06	7.94E-07	1.06E-06	3.48E-06	2.40E-07
2212	471549.67	3819072.83	1.25E-05	5.23E-05	4.71E-06	1.04E-05	3.84E-05	3.38E-06	1.18E-06	6.74E-06	8.04E-07	1.07E-06	3.53E-06	2.43E-07
2213	471553.24	3819081.69	1.26E-05	5.30E-05	4.77E-06	1.05E-05	3.89E-05	3.42E-06	1.19E-06	6.82E-06	8.14E-07	1.08E-06	3.57E-06	2.46E-07
2214	471556.8	3819090.55	1.28E-05	5.36E-05	4.83E-06	1.06E-05	3.94E-05	3.46E-06	1.21E-06	6.90E-06	8.23E-07	1.10E-06	3.61E-06	2.49E-07
2215	471560.37	3819099.41	1.29E-05	5.42E-05	4.88E-06	1.08E-05	3.98E-05	3.50E-06	1.22E-06	6.98E-06	8.32E-07	1.11E-06	3.65E-06	2.52E-07
2216	471563.94	3819108.27	1.30E-05	5.48E-05	4.93E-06	1.09E-05	4.03E-05	3.54E-06	1.23E-06	7.05E-06	8.42E-07	1.12E-06	3.69E-06	2.55E-07
2217	471567.51	3819117.13	1.32E-05	5.54E-05	4.98E-06	1.10E-05	4.07E-05	3.58E-06	1.24E-06	7.13E-06	8.50E-07	1.13E-06	3.73E-06	2.57E-07
2218	471571.07	3819126	1.33E-05	5.59E-05	5.04E-06	1.11E-05	4.11E-05	3.61E-06	1.26E-06	7.20E-06	8.59E-07	1.14E-06	3.77E-06	2.60E-07
2219	471574.64	3819134.86	1.34E-05	5.65E-05	5.09E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.27E-06	8.67E-07	1.15E-06	3.81E-06	2.62E-07
2220	471581.78	3819152.58	1.37E-05	5.75E-05	5.18E-06	1.14E-05	4.22E-05	3.72E-06	1.29E-06	7.40E-06	8.83E-07	1.18E-06	3.88E-06	2.67E-07
2221	471585.34	3819161.44	1.38E-05	5.80E-05	5.22E-06	1.15E-05	4.26E-05	3.75E-06	1.30E-06	7.47E-06	8.91E-07	1.19E-06	3.91E-06	2.69E-07
2222	471588.91	3819170.3	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.31E-06	7.53E-06	8.98E-07	1.20E-06	3.94E-06	2.72E-07
2223	471592.48	3819179.17	1.40E-05	5.89E-05	5.31E-06	1.17E-05	4.33E-05	3.81E-06	1.33E-06	7.59E-06	9.05E-07	1.20E-06	3.97E-06	2.74E-07
2224	471596.05	3819188.03	1.41E-05	5.94E-05	5.35E-06	1.18E-05	4.36E-05	3.84E-06	1.33E-06	7.64E-06	9.12E-07	1.21E-06	4.00E-06	2.76E-07
2225	471599.61	3819196.89	1.42E-05	5.98E-05	5.38E-06	1.19E-05	4.39E-05	3.86E-06	1.34E-06	7.69E-06	9.18E-07	1.22E-06	4.03E-06	2.78E-07
2226	471603.18	3819205.75	1.43E-05	6.01E-05	5.42E-06	1.19E-05	4.42E-05	3.89E-06	1.35E-06	7.74E-06	9.24E-07	1.23E-06	4.05E-06	2.79E-07
2227	471606.75	3819214.61	1.44E-05	6.05E-05	5.45E-06	1.20E-05	4.45E-05	3.91E-06	1.36E-06	7.79E-06	9.30E-07	1.24E-06	4.08E-06	2.81E-07
2228	471610.32	3819223.47	1.45E-05	6.09E-05	5.48E-06	1.21E-05	4.47E-05	3.93E-06	1.37E-06	7.84E-06	9.35E-07	1.24E-06	4.10E-06	2.83E-07
2229	470146.99	3817896.54	9.79E-06	4.11E-05	3.70E-06	8.16E-06	3.02E-05	2.66E-06	9.25E-07	5.29E-06	6.32E-07	8.41E-07	2.77E-06	1.91E-07
2230	470137.43	3817896.41	9.82E-06	4.13E-05	3.72E-06	8.18E-06	3.03E-05	2.67E-06	9.28E-07	5.31E-06	6.34E-07	8.43E-07	2.78E-06	1.92E-07
2231	470127.87	3817896.27	9.84E-06	4.13E-05	3.72E-06	8.19E-06	3.04E-05	2.67E-06	9.29E-07	5.32E-06	6.35E-07	8.45E-07	2.78E-06	1.92E-07
2232	470309.85	3817822.46	7.44E-06	3.13E-05	2.81E-06	6.20E-06	2.30E-05	2.02E-06	7.03E-07	4.02E-06	4.80E-07	6.39E-07	2.11E-06	1.45E-07
2233	470318.58	3817826.21	7.38E-06	3.10E-05	2.79E-06	6.15E-06	2.28E-05	2.00E-06	6.97E-07	3.99E-06	4.76E-07	6.33E-07	2.09E-06	1.44E-07
2234	470327.31	3817829.95	7.32E-06	3.07E-05	2.77E-06	6.10E-06	2.26E-05	1.99E-06	6.91E-07	3.96E-06	4.72E-07	6.29E-07	2.07E-06	1.43E-07
2235	470336.04	3817833.7	7.26E-06	3.05E-05	2.75E-06	6.05E-06	2.24E-05	1.97E-06	6.86E-07	3.93E-06	4.69E-07	6.24E-07	2.06E-06	1.42E-07
2236	470344.77	3817837.45	7.22E-06	3.03E-05	2.73E-06	6.01E-06	2.23E-05	1.96E-06	6.81E-07	3.90E-06	4.65E-07	6.19E-07	2.04E-06	1.41E-07
2237	470353.5	3817841.2	7.17E-06	3.01E-05	2.71E-06	5.97E-06	2.21E-05	1.95E-06	6.77E-07	3.87E-06	4.62E-07	6.15E-07	2.03E-06	1.40E-07
2238	470362.24	3817844.94	7.17E-06	3.01E-05	2.71E-06	5.97E-06	2.21E-05	1.95E-06	6.77E-07	3.87E-06	4.62E-07	6.15E-07	2.03E-06	1.40E-07
2239	470370.97	3817848.69	7.11E-06	2.99E-05	2.69E-06	5.93E-06	2.20E-05	1.93E-06	6.72E-07	3.85E-06	4.59E-07	6.11E-07	2.01E-06	1.39E-07
2240	470379.7	3817852.44	7.07E-06	2.97E-05	2.67E-06	5.89E-06	2.18E-05	1.92E-06	6.67E-07	3.82E-06	4.56E-07	6.07E-07	2.00E-06	1.38E-07
2241	470388.43	3817856.19	7.01E-06	2.95E-05	2.65E-06	5.84E-06	2.16E-05	1.90E-06	6.62E-07	3.79E-06	4.52E-07	6.02E-07	1.99E-06	1.37E-07
2242	470397.16	3817859.93	6.96E-06	2.92E-05	2.63E-06	5.80E-06	2.15E-05	1.89E-06	6.57E-07	3.76E-06	4.49E-07	5.98E-07	1.97E-06	1.36E-07
2243	470405.89	3817863.68	6.90E-06	2.90E-05	2.61E-06	5.75E-06	2.13E-05	1.87E-06	6.52E-07	3.73E-06	4.45E-07	5.93E-07	1.95E-06	1.35E-07
2244	470414.62	3817867.43	6.85E-06	2.88E-05	2.59E-06	5.71E-06	2.11E-05	1.86E-06	6.47E-07	3.70E-06	4.42E-07	5.88E-07	1.94E-06	1.34E-07
2245	470423.35	3817871.18	6.80E-06	2.85E-05	2.57E-06	5.66E-06	2.10E-05	1.85E-06	6.42E-07	3.67E-06	4.38E-07	5.84E-07	1.92E-06	1.33E-07
2246	470432.09	3817874.93	6.74E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
2247	470440.82	3817878.67	6.69E-06	2.81E-05	2.53E-06	5.57E-06	2.06E-05	1.82E-06	6.31E-07	3.61E-06	4.31E-07	5.74E-07	1.89E-06	1.30E-07
2248	470449.55	3817882.42	6.62E-06	2.78E-05	2.51E-06	5.52E-06	2.04E-05	1.80E-06	6.26E-07	3.58E-06	4.27E-07	5.69E-07	1.88E-06	1.29E-07
2249	470458.28	3817886.17	6.56E-06	2.76E-05	2.48E-06	5.47E-06	2.02E-05	1.78E-06	6.20E-07	3.55E-06	4.23E-07	5.63E-07	1.86E-06	1.28E-07
2250	470467.01	3817889.92	6.50E-06	2.73E-05	2.46E-06	5.42E-06	2.01E-05	1.77E-06	6.14E-07	3.52E-06	4.20E-07	5.58E-07	1.84E-06	1.27E-07
2251	470475.74	3817893.66	6.45E-06	2.71E-05	2.44E-06	5.37E-06	1.99E-05	1.75E-06	6.09E-07	3.48E-06	4.16E-07	5.53E-07	1.82E-06	1.26E-07
2252	470484.47	3817897.41	6.39E-06	2.68E-05	2.42E-06	5.33E-06	1.97E-05	1.74E-06	6.04E-07	3.46E-06	4.12E-07	5.49E-07	1.81E-06	1.25E-07
2253	470493.21	3817901.16	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.98E-07	3.42E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
2254	470501.94	3817904.91	6.28E-06	2.64E-05	2.38E-06	5.23E-06	1.94E-05	1.71E-06	5.93E-07	3.40E-06	4.05E-07	5.39E-07	1.78E-06	1.23E-07
2255	470510.67	3817908.65	6.23E-06	2.62E-05	2.36E-06	5.19E-06	1.92E-05	1.69E-06	5.88E-07	3.37E-06	4.02E-07	5.35E-07	1.76E-06	1.22E-07
2256	470519.4	3817912.4	6.18E-06	2.59E-05	2.34E-06	5.14E-06	1.91E-05	1.68E-06	5.83E-07	3.34E-06	3.98E-07	5.30E-07	1.75E-06	1.21E-07
2257	470528.13	3817916.15	6.12E-06	2.57E-05	2.32E-06	5.10E-06	1.89E-05	1.66E-06	5.78E-07	3.31E-06	3.95E-07	5.26E-07	1.73E-06	1.19E-07
2258	470536.86	3817919.9	6.07E-06	2.55E-05	2.29E-06	5.05E-06	1.87E-05	1.65E-06	5.73E-07	3.28E-06	3.91E-07	5.21E-07	1.72E-06	1.18E-07
2259	470545.59	3817923.64	6.01E-06	2.53E-05	2.27E-06	5.01E-06	1.86E-05	1.63E-06	5.68E-07	3.25E-06	3.88E-07	5.16E-07	1.70E-06	1.17E-07

2260	470554.32	3817927.39	5.97E-06	2.51E-05	2.26E-06	4.97E-06	1.84E-05	1.62E-06	5.63E-07	3.22E-06	3.85E-07	5.12E-07	1.69E-06	1.16E-07
2261	470563.06	3817931.14	5.92E-06	2.48E-05	2.24E-06	4.93E-06	1.83E-05	1.61E-06	5.59E-07	3.20E-06	3.82E-07	5.08E-07	1.67E-06	1.15E-07
2262	470571.79	3817934.89	5.87E-06	2.46E-05	2.22E-06	4.89E-06	1.81E-05	1.59E-06	5.54E-07	3.17E-06	3.79E-07	5.04E-07	1.66E-06	1.15E-07
2263	470580.52	3817938.63	5.83E-06	2.45E-05	2.20E-06	4.85E-06	1.80E-05	1.58E-06	5.50E-07	3.15E-06	3.76E-07	5.00E-07	1.65E-06	1.14E-07
2264	470589.25	3817942.38	5.78E-06	2.43E-05	2.19E-06	4.81E-06	1.78E-05	1.57E-06	5.46E-07	3.12E-06	3.73E-07	4.96E-07	1.64E-06	1.13E-07
2265	470597.98	3817946.13	5.73E-06	2.41E-05	2.17E-06	4.77E-06	1.77E-05	1.56E-06	5.41E-07	3.10E-06	3.70E-07	4.92E-07	1.62E-06	1.12E-07
2266	470606.71	3817949.88	5.69E-06	2.39E-05	2.15E-06	4.74E-06	1.75E-05	1.54E-06	5.37E-07	3.07E-06	3.67E-07	4.88E-07	1.61E-06	1.11E-07
2267	470615.44	3817953.62	5.64E-06	2.37E-05	2.13E-06	4.70E-06	1.74E-05	1.53E-06	5.33E-07	3.05E-06	3.64E-07	4.84E-07	1.60E-06	1.10E-07
2268	470624.18	3817957.37	5.60E-06	2.35E-05	2.12E-06	4.66E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.58E-06	1.09E-07
2269	470632.91	3817961.12	5.56E-06	2.33E-05	2.10E-06	4.63E-06	1.71E-05	1.51E-06	5.25E-07	3.00E-06	3.58E-07	4.77E-07	1.57E-06	1.08E-07
2270	470641.64	3817964.87	5.52E-06	2.32E-05	2.09E-06	4.60E-06	1.70E-05	1.50E-06	5.21E-07	2.98E-06	3.56E-07	4.74E-07	1.56E-06	1.08E-07
2271	470650.37	3817968.61	5.48E-06	2.30E-05	2.07E-06	4.56E-06	1.69E-05	1.49E-06	5.17E-07	2.96E-06	3.53E-07	4.70E-07	1.55E-06	1.07E-07
2272	470659.1	3817972.36	5.44E-06	2.28E-05	2.06E-06	4.53E-06	1.68E-05	1.48E-06	5.14E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
2273	470667.83	3817976.11	5.40E-06	2.27E-05	2.04E-06	4.50E-06	1.67E-05	1.47E-06	5.10E-07	2.92E-06	3.48E-07	4.63E-07	1.53E-06	1.05E-07
2274	470676.56	3817979.86	5.36E-06	2.25E-05	2.03E-06	4.46E-06	1.65E-05	1.45E-06	5.06E-07	2.90E-06	3.46E-07	4.60E-07	1.52E-06	1.05E-07
2275	470685.29	3817983.6	5.32E-06	2.23E-05	2.01E-06	4.43E-06	1.64E-05	1.44E-06	5.02E-07	2.87E-06	3.43E-07	4.56E-07	1.50E-06	1.04E-07
2276	470694.03	3817987.35	5.28E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
2277	470702.76	3817991.1	5.24E-06	2.20E-05	1.98E-06	4.36E-06	1.62E-05	1.42E-06	4.95E-07	2.83E-06	3.38E-07	4.50E-07	1.48E-06	1.02E-07
2278	470711.49	3817994.85	5.21E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.41E-06	4.92E-07	2.81E-06	3.36E-07	4.47E-07	1.47E-06	1.02E-07
2279	470720.22	3817998.6	5.16E-06	2.17E-05	1.95E-06	4.30E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.33E-07	4.43E-07	1.46E-06	1.01E-07
2280	470728.95	3818002.34	5.12E-06	2.15E-05	1.94E-06	4.27E-06	1.58E-05	1.39E-06	4.84E-07	2.77E-06	3.30E-07	4.40E-07	1.45E-06	1.00E-07
2281	470737.68	3818006.09	5.08E-06	2.14E-05	1.92E-06	4.24E-06	1.57E-05	1.38E-06	4.80E-07	2.75E-06	3.28E-07	4.37E-07	1.44E-06	9.92E-08
2282	470746.41	3818009.84	5.05E-06	2.12E-05	1.91E-06	4.20E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.25E-07	4.33E-07	1.43E-06	9.85E-08
2283	470755.15	3818013.59	5.01E-06	2.10E-05	1.89E-06	4.17E-06	1.55E-05	1.36E-06	4.73E-07	2.71E-06	3.23E-07	4.30E-07	1.42E-06	9.77E-08
2284	470763.88	3818017.33	4.97E-06	2.09E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.69E-07	2.69E-06	3.21E-07	4.27E-07	1.41E-06	9.70E-08
2285	470772.61	3818021.08	4.93E-06	2.07E-05	1.86E-06	4.11E-06	1.52E-05	1.34E-06	4.66E-07	2.67E-06	3.18E-07	4.23E-07	1.40E-06	9.62E-08
2286	470781.34	3818024.83	4.89E-06	2.05E-05	1.85E-06	4.08E-06	1.51E-05	1.33E-06	4.62E-07	2.64E-06	3.16E-07	4.20E-07	1.38E-06	9.55E-08
2287	470790.07	3818028.58	4.86E-06	2.04E-05	1.84E-06	4.05E-06	1.50E-05	1.32E-06	4.59E-07	2.63E-06	3.13E-07	4.17E-07	1.38E-06	9.48E-08
2288	470798.8	3818032.32	4.83E-06	2.03E-05	1.82E-06	4.02E-06	1.49E-05	1.31E-06	4.56E-07	2.61E-06	3.11E-07	4.14E-07	1.37E-06	9.42E-08
2289	470807.53	3818036.07	4.79E-06	2.01E-05	1.81E-06	3.99E-06	1.48E-05	1.30E-06	4.52E-07	2.59E-06	3.09E-07	4.11E-07	1.36E-06	9.35E-08
2290	470816.26	3818039.82	4.76E-06	2.00E-05	1.80E-06	3.96E-06	1.47E-05	1.29E-06	4.49E-07	2.57E-06	3.07E-07	4.08E-07	1.35E-06	9.28E-08
2291	470825	3818043.57	4.72E-06	1.98E-05	1.79E-06	3.93E-06	1.46E-05	1.28E-06	4.46E-07	2.55E-06	3.05E-07	4.06E-07	1.34E-06	9.22E-08
2292	470833.73	3818047.31	4.69E-06	1.97E-05	1.77E-06	3.91E-06	1.45E-05	1.27E-06	4.43E-07	2.54E-06	3.03E-07	4.03E-07	1.33E-06	9.15E-08
2293	470842.46	3818051.06	4.65E-06	1.95E-05	1.76E-06	3.87E-06	1.44E-05	1.26E-06	4.39E-07	2.51E-06	3.00E-07	3.99E-07	1.32E-06	9.08E-08
2294	470851.19	3818054.81	4.61E-06	1.94E-05	1.74E-06	3.84E-06	1.42E-05	1.25E-06	4.36E-07	2.49E-06	2.98E-07	3.96E-07	1.31E-06	9.00E-08
2295	470859.92	3818058.56	4.57E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.93E-07	1.29E-06	8.93E-08
2296	470868.65	3818062.3	4.54E-06	1.91E-05	1.72E-06	3.78E-06	1.40E-05	1.23E-06	4.29E-07	2.45E-06	2.93E-07	3.90E-07	1.29E-06	8.86E-08
2297	470877.38	3818066.05	4.50E-06	1.89E-05	1.70E-06	3.75E-06	1.39E-05	1.22E-06	4.25E-07	2.43E-06	2.90E-07	3.87E-07	1.27E-06	8.79E-08
2298	470886.12	3818069.8	4.46E-06	1.87E-05	1.69E-06	3.72E-06	1.38E-05	1.21E-06	4.22E-07	2.41E-06	2.88E-07	3.83E-07	1.26E-06	8.71E-08
2299	470894.85	3818073.55	4.43E-06	1.86E-05	1.68E-06	3.69E-06	1.37E-05	1.20E-06	4.18E-07	2.40E-06	2.86E-07	3.80E-07	1.25E-06	8.65E-08
2300	470903.58	3818077.29	4.39E-06	1.84E-05	1.66E-06	3.66E-06	1.36E-05	1.19E-06	4.15E-07	2.37E-06	2.83E-07	3.77E-07	1.24E-06	8.57E-08
2301	470912.31	3818081.04	4.35E-06	1.83E-05	1.65E-06	3.63E-06	1.34E-05	1.18E-06	4.11E-07	2.35E-06	2.81E-07	3.74E-07	1.23E-06	8.50E-08
2302	470921.04	3818084.79	4.32E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.42E-08
2303	470929.77	3818088.54	4.28E-06	1.80E-05	1.62E-06	3.57E-06	1.32E-05	1.16E-06	4.04E-07	2.31E-06	2.76E-07	3.68E-07	1.21E-06	8.35E-08
2304	470938.5	3818092.28	4.24E-06	1.78E-05	1.60E-06	3.53E-06	1.31E-05	1.15E-06	4.01E-07	2.29E-06	2.74E-07	3.64E-07	1.20E-06	8.28E-08
2305	470947.24	3818096.03	4.20E-06	1.77E-05	1.59E-06	3.50E-06	1.30E-05	1.14E-06	3.97E-07	2.27E-06	2.71E-07	3.61E-07	1.19E-06	8.20E-08
2306	470955.97	3818099.78	4.16E-06	1.75E-05	1.57E-06	3.47E-06	1.28E-05	1.13E-06	3.93E-07	2.25E-06	2.68E-07	3.57E-07	1.18E-06	8.12E-08
2307	470964.7	3818103.53	4.12E-06	1.73E-05	1.56E-06	3.43E-06	1.27E-05	1.12E-06	3.89E-07	2.23E-06	2.66E-07	3.54E-07	1.17E-06	8.03E-08
2308	470973.43	3818107.27	4.07E-06	1.71E-05	1.54E-06	3.39E-06	1.26E-05	1.11E-06	3.85E-07	2.20E-06	2.63E-07	3.50E-07	1.15E-06	7.95E-08
2309	470982.16	3818111.02	4.03E-06	1.69E-05	1.52E-06	3.36E-06	1.24E-05	1.09E-06	3.81E-07	2.18E-06	2.60E-07	3.46E-07	1.14E-06	7.87E-08
2310	470990.89	3818114.77	3.98E-06	1.67E-05	1.51E-06	3.32E-06	1.23E-05	1.08E-06	3.76E-07	2.15E-06	2.57E-07	3.42E-07	1.13E-06	7.77E-08
2311	470999.62	3818118.52	3.94E-06	1.65E-05	1.49E-06	3.28E-06	1.22E-05	1.07E-06	3.72E-07	2.13E-06	2.54E-07	3.38E-07	1.12E-06	7.69E-08
2312	471008.35	3818122.26	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.59E-08
2313	471017.09	3818126.01	3.86E-06	1.62E-05	1.46E-06	3.21E-06	1.19E-05	1.05E-06	3.64E-07	2.09E-06	2.49E-07	3.31E-07	1.09E-06	7.53E-08
2314	471025.82	3818129.76	3.82E-06	1.61E-05	1.45E-06	3.19E-06	1.18E-05	1.04E-06	3.61E-07	2.07E-06	2.47E-07	3.28E-07	1.08E-06	7.46E-08
2315	471034.55	3818133.51	3.79E-06	1.59E-05	1.43E-06	3.16E-06	1.17E-05	1.03E-06	3.58E-07	2.05E-06	2.45E-07	3.25E-07	1.07E-06	7.40E-08
2316	471043.28	3818137.26	3.76E-06	1.58E-05	1.42E-06	3.13E-06	1.16E-05	1.02E-06	3.55E-07	2.03E-06	2.43E-07	3.23E-07	1.06E-06	7.34E-08
2317	471052.01	3818141	3.72E-06	1.56E-05	1.41E-06	3.10E-06	1.15E-05	1.01E-06	3.52E-07	2.01E-06	2.40E-07	3.20E-07	1.05E-06	7.27E-08
2318	471060.74	3818144.75	3.68E-06	1.55E-05	1.39E-06	3.07E-06	1.14E-05	1.00E-06	3.48E-07	1.99E-06	2.38E-07	3.16E-07	1.04E-06	7.19E-08
2319	471069.47	3818148.5	3.65E-06	1.53E-05	1.38E-06	3.04E-06	1.13E-05	9.90E-07	3.44E-07	1.97E-06	2.35E-07	3.13E-07	1.03E-06	7.11E-08
2320	471078.21	3818152.25	3.61E-06	1.52E-05	1.37E-06	3.01E-06	1.11E-05	9.81E-07	3.41E-07	1.95E-06	2.33E-07	3.10E-07	1.02E-06	7.05E-08
2321	471086.94	3818155.99	3.57E-06	1.50E-05	1.35E-06	2.98E-06	1.10E-05	9.70E-07	3.38E-07	1.93E-06	2.31E-07	3.07E-07	1.01E-06	6.97E-08
2322	471095.67	3818159.74	3.54E-06	1.49E-05	1.34E-06	2.95E-06	1.09E-05	9.61E-07	3.34E-07	1.91E-06	2.28E-07	3.04E-07	1.00E-06	6.91E-08
2323	471104.4	3818163.49	3.51E-06	1.47E-05	1.33E-06	2.92E-06	1.08E-05	9.52E-07	3.31E-07	1.90E-06	2.26E-07	3.01E-07	9.93E-07	6.84E-08
2324	471139.32	3818178.48	3.38E-06	1.42E-05	1.28E-06	2.81E-06	1.04E-05	9.17E-07	3.19E-07	1.83E-06	2.18E-07	2.90E-07	9.56E-07	6.59E-08
2325	471148.06	3818182.23	3.35E-06	1.41E-05	1.27E-06	2.79E-06	1.03E-05	9.09E-07	3.16E-07	1.81E-06	2.16E-07	2.87E-07	9.48E-07	6.53E-08
2326	471156.79	3818185.97	3.32E-06	1.39E-05	1.26E-06	2.76E-06	1.02E-05	9.01E-07	3.13E-07	1.79E-06	2.14E-07	2.85E-07	9.40E-07	6.48E-08
2327	471165.52	3818189.72	3.29E-06	1.38E-05	1.24E-06	2.74E-06	1.02E-05	8.93E-07	3.11E-07	1.78E-06	2.12E-07	2.82E-07	9.31E-07	6.42E-08
2328	471174.25	3818193.47	3.26E-06	1.37E-05	1.23E-06	2.72E-06	1.01E-05	8.85E-07	3.08E-07	1.76E-06	2.10E-07	2.80E-07	9.23E-07	6.36E-08
2329	471182.98	3818197.22	3.24E-06	1.36E-05	1.22E-06	2.70E-06	9.99E-06	8.79E-07	3.06E-07	1.75E-06	2.09E-07	2.78E-07	9.16E-07	6.32E-08
2330	471191.71	3818200.96	3.21E-06	1.35E-05	1.22E-06	2.68E-06	9.92E-06	8.72E-07	3.03E-07	1.74E-06	2.07E-07	2.76E-07	9.10E-07	6.27E-08
2331	471200.44	3818204.71	3.19E-06	1.34E-05	1.21E-06	2.66E-06	9.84E-06	8.66E-07	3.01E-07	1.72E-06	2.06E-07	2.74E-07	9.03E-07	6.22E-08
2332	471209.18	3818208.46	3.17E-06	1.33E-05	1.20E-06	2.64E-06	9.78E-06	8.61E-07	2.99E-07	1.71E-06	2.04E-07	2.72E-07	8.97E-07	6.19E-08

2333	471217.91	3818212.21	3.15E-06	1.32E-05	1.19E-06	2.62E-06	9.71E-06	8.54E-07	2.97E-07	1.70E-06	2.03E-07	2.70E-07	8.91E-07	6.14E-08
2334	471226.64	3818215.95	3.13E-06	1.31E-05	1.18E-06	2.60E-06	9.65E-06	8.49E-07	2.95E-07	1.69E-06	2.02E-07	2.68E-07	8.85E-07	6.10E-08
2335	471235.37	3818219.7	3.11E-06	1.31E-05	1.18E-06	2.59E-06	9.59E-06	8.44E-07	2.93E-07	1.68E-06	2.00E-07	2.67E-07	8.80E-07	6.06E-08
2336	471244.1	3818223.45	3.09E-06	1.30E-05	1.17E-06	2.58E-06	9.55E-06	8.40E-07	2.92E-07	1.67E-06	2.00E-07	2.66E-07	8.76E-07	6.04E-08
2337	471252.83	3818227.2	3.07E-06	1.29E-05	1.16E-06	2.56E-06	9.49E-06	8.34E-07	2.90E-07	1.66E-06	1.98E-07	2.64E-07	8.70E-07	6.00E-08
2338	471261.56	3818230.94	3.06E-06	1.28E-05	1.16E-06	2.55E-06	9.44E-06	8.31E-07	2.89E-07	1.65E-06	1.97E-07	2.63E-07	8.66E-07	5.97E-08
2339	471270.29	3818234.69	3.05E-06	1.28E-05	1.15E-06	2.54E-06	9.40E-06	8.27E-07	2.88E-07	1.65E-06	1.96E-07	2.61E-07	8.62E-07	5.94E-08
2340	471279.03	3818238.44	3.03E-06	1.27E-05	1.15E-06	2.52E-06	9.35E-06	8.23E-07	2.86E-07	1.64E-06	1.95E-07	2.60E-07	8.58E-07	5.91E-08
2341	471287.76	3818242.19	3.02E-06	1.27E-05	1.14E-06	2.52E-06	9.32E-06	8.20E-07	2.85E-07	1.63E-06	1.95E-07	2.59E-07	8.55E-07	5.89E-08
2342	471300.04	3818254.75	3.03E-06	1.27E-05	1.15E-06	2.52E-06	9.35E-06	8.23E-07	2.86E-07	1.64E-06	1.95E-07	2.60E-07	8.58E-07	5.91E-08
2343	471303.59	3818263.56	3.05E-06	1.28E-05	1.16E-06	2.54E-06	9.43E-06	8.29E-07	2.88E-07	1.65E-06	1.97E-07	2.62E-07	8.65E-07	5.96E-08
2344	471307.13	3818272.38	3.08E-06	1.29E-05	1.16E-06	2.56E-06	9.50E-06	8.36E-07	2.91E-07	1.66E-06	1.99E-07	2.64E-07	8.71E-07	6.01E-08
2345	471310.68	3818281.19	3.11E-06	1.31E-05	1.18E-06	2.59E-06	9.59E-06	8.44E-07	2.93E-07	1.68E-06	2.00E-07	2.67E-07	8.80E-07	6.06E-08
2346	471314.23	3818290.01	3.13E-06	1.32E-05	1.18E-06	2.61E-06	9.66E-06	8.50E-07	2.96E-07	1.69E-06	2.02E-07	2.69E-07	8.86E-07	6.11E-08
2347	471317.78	3818298.82	3.16E-06	1.33E-05	1.20E-06	2.63E-06	9.75E-06	8.58E-07	2.98E-07	1.71E-06	2.04E-07	2.71E-07	8.95E-07	6.17E-08
2348	471321.33	3818307.63	3.19E-06	1.34E-05	1.21E-06	2.66E-06	9.86E-06	8.67E-07	3.02E-07	1.73E-06	2.06E-07	2.74E-07	9.04E-07	6.23E-08
2349	471324.88	3818316.45	3.22E-06	1.35E-05	1.22E-06	2.68E-06	9.95E-06	8.75E-07	3.04E-07	1.74E-06	2.08E-07	2.77E-07	9.12E-07	6.29E-08
2350	471328.43	3818325.26	3.26E-06	1.37E-05	1.23E-06	2.71E-06	1.00E-05	8.84E-07	3.08E-07	1.76E-06	2.10E-07	2.80E-07	9.22E-07	6.35E-08
2351	471331.97	3818334.08	3.29E-06	1.38E-05	1.24E-06	2.74E-06	1.02E-05	8.93E-07	3.11E-07	1.78E-06	2.12E-07	2.82E-07	9.31E-07	6.42E-08
2352	471335.52	3818342.89	3.33E-06	1.40E-05	1.26E-06	2.77E-06	1.03E-05	9.04E-07	3.14E-07	1.80E-06	2.15E-07	2.86E-07	9.42E-07	6.50E-08
2353	471339.07	3818351.7	3.36E-06	1.41E-05	1.27E-06	2.80E-06	1.04E-05	9.13E-07	3.18E-07	1.82E-06	2.17E-07	2.89E-07	9.52E-07	6.56E-08
2354	471342.62	3818360.52	3.40E-06	1.43E-05	1.29E-06	2.83E-06	1.05E-05	9.23E-07	3.21E-07	1.84E-06	2.19E-07	2.92E-07	9.63E-07	6.64E-08
2355	471346.17	3818369.33	3.44E-06	1.45E-05	1.30E-06	2.87E-06	1.06E-05	9.35E-07	3.25E-07	1.86E-06	2.22E-07	2.96E-07	9.75E-07	6.72E-08
2356	471349.72	3818378.15	3.48E-06	1.46E-05	1.32E-06	2.90E-06	1.07E-05	9.45E-07	3.29E-07	1.88E-06	2.25E-07	2.99E-07	9.86E-07	6.80E-08
2357	471353.26	3818386.96	3.53E-06	1.48E-05	1.33E-06	2.94E-06	1.09E-05	9.57E-07	3.33E-07	1.91E-06	2.27E-07	3.03E-07	9.98E-07	6.88E-08
2358	471356.81	3818395.77	3.57E-06	1.50E-05	1.35E-06	2.98E-06	1.10E-05	9.70E-07	3.38E-07	1.93E-06	2.31E-07	3.07E-07	1.01E-06	6.97E-08
2359	471360.36	3818404.59	3.62E-06	1.52E-05	1.37E-06	3.01E-06	1.12E-05	9.82E-07	3.42E-07	1.96E-06	2.33E-07	3.11E-07	1.02E-06	7.06E-08
2360	471363.91	3818413.4	3.67E-06	1.54E-05	1.39E-06	3.05E-06	1.13E-05	9.95E-07	3.46E-07	1.98E-06	2.36E-07	3.15E-07	1.04E-06	7.15E-08
2361	471367.46	3818422.22	3.71E-06	1.56E-05	1.40E-06	3.09E-06	1.15E-05	1.01E-06	3.51E-07	2.01E-06	2.40E-07	3.19E-07	1.05E-06	7.25E-08
2362	471378.1	3818448.66	3.87E-06	1.62E-05	1.46E-06	3.22E-06	1.19E-05	1.05E-06	3.65E-07	2.09E-06	2.49E-07	3.32E-07	1.09E-06	7.55E-08
2363	471381.65	3818457.47	3.92E-06	1.65E-05	1.48E-06	3.27E-06	1.21E-05	1.06E-06	3.70E-07	2.12E-06	2.53E-07	3.37E-07	1.11E-06	7.65E-08
2364	471385.2	3818466.29	3.98E-06	1.67E-05	1.50E-06	3.31E-06	1.23E-05	1.08E-06	3.76E-07	2.15E-06	2.57E-07	3.42E-07	1.13E-06	7.76E-08
2365	471388.75	3818475.1	4.03E-06	1.69E-05	1.52E-06	3.36E-06	1.24E-05	1.09E-06	3.81E-07	2.18E-06	2.60E-07	3.46E-07	1.14E-06	7.87E-08
2366	471392.3	3818483.92	4.09E-06	1.72E-05	1.55E-06	3.41E-06	1.26E-05	1.11E-06	3.86E-07	2.21E-06	2.64E-07	3.51E-07	1.16E-06	7.98E-08
2367	471395.85	3818492.73	4.15E-06	1.74E-05	1.57E-06	3.46E-06	1.28E-05	1.13E-06	3.92E-07	2.24E-06	2.68E-07	3.56E-07	1.18E-06	8.10E-08
2368	471399.4	3818501.54	4.21E-06	1.77E-05	1.59E-06	3.51E-06	1.30E-05	1.14E-06	3.97E-07	2.28E-06	2.72E-07	3.61E-07	1.19E-06	8.21E-08
2369	471402.94	3818510.36	4.27E-06	1.79E-05	1.62E-06	3.56E-06	1.32E-05	1.16E-06	4.03E-07	2.31E-06	2.76E-07	3.67E-07	1.21E-06	8.34E-08
2370	471406.49	3818519.17	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.80E-07	3.72E-07	1.23E-06	8.46E-08
2371	471410.04	3818527.99	4.40E-06	1.85E-05	1.66E-06	3.66E-06	1.36E-05	1.19E-06	4.15E-07	2.38E-06	2.84E-07	3.77E-07	1.24E-06	8.58E-08
2372	471413.59	3818536.8	4.46E-06	1.87E-05	1.69E-06	3.72E-06	1.38E-05	1.21E-06	4.22E-07	2.41E-06	2.88E-07	3.83E-07	1.26E-06	8.71E-08
2373	471417.14	3818545.62	4.53E-06	1.90E-05	1.71E-06	3.77E-06	1.40E-05	1.23E-06	4.28E-07	2.45E-06	2.92E-07	3.89E-07	1.28E-06	8.84E-08
2374	471420.69	3818554.43	4.60E-06	1.93E-05	1.74E-06	3.83E-06	1.42E-05	1.25E-06	4.34E-07	2.49E-06	2.97E-07	3.95E-07	1.30E-06	8.97E-08
2375	471424.23	3818563.24	4.67E-06	1.96E-05	1.76E-06	3.89E-06	1.44E-05	1.27E-06	4.41E-07	2.52E-06	3.01E-07	4.01E-07	1.32E-06	9.10E-08
2376	471427.78	3818572.06	4.74E-06	1.99E-05	1.79E-06	3.95E-06	1.46E-05	1.29E-06	4.47E-07	2.56E-06	3.06E-07	4.07E-07	1.34E-06	9.25E-08
2377	471431.33	3818580.87	4.81E-06	2.02E-05	1.82E-06	4.01E-06	1.48E-05	1.31E-06	4.54E-07	2.60E-06	3.10E-07	4.13E-07	1.36E-06	9.39E-08
2378	471434.88	3818589.69	4.89E-06	2.05E-05	1.85E-06	4.07E-06	1.51E-05	1.33E-06	4.62E-07	2.64E-06	3.15E-07	4.20E-07	1.38E-06	9.54E-08
2379	471438.43	3818598.5	4.96E-06	2.08E-05	1.88E-06	4.13E-06	1.53E-05	1.35E-06	4.68E-07	2.68E-06	3.20E-07	4.26E-07	1.40E-06	9.68E-08
2380	471441.98	3818607.31	5.04E-06	2.12E-05	1.90E-06	4.20E-06	1.55E-05	1.37E-06	4.76E-07	2.72E-06	3.25E-07	4.32E-07	1.43E-06	9.83E-08
2381	471445.53	3818616.13	5.12E-06	2.15E-05	1.94E-06	4.26E-06	1.58E-05	1.39E-06	4.83E-07	2.77E-06	3.30E-07	4.39E-07	1.45E-06	9.99E-08
2382	471449.07	3818624.94	5.20E-06	2.18E-05	1.96E-06	4.33E-06	1.60E-05	1.41E-06	4.91E-07	2.81E-06	3.35E-07	4.46E-07	1.47E-06	1.01E-07
2383	471452.62	3818633.76	5.28E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
2384	471456.17	3818642.57	5.36E-06	2.25E-05	2.03E-06	4.47E-06	1.66E-05	1.46E-06	5.07E-07	2.90E-06	3.46E-07	4.60E-07	1.52E-06	1.05E-07
2385	471459.72	3818651.38	5.45E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.14E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
2386	471463.27	3818660.2	5.53E-06	2.32E-05	2.09E-06	4.61E-06	1.71E-05	1.50E-06	5.22E-07	2.99E-06	3.57E-07	4.75E-07	1.57E-06	1.08E-07
2387	471466.82	3818669.01	5.62E-06	2.36E-05	2.13E-06	4.68E-06	1.74E-05	1.53E-06	5.31E-07	3.04E-06	3.63E-07	4.83E-07	1.59E-06	1.10E-07
2388	471470.37	3818677.83	5.71E-06	2.40E-05	2.16E-06	4.76E-06	1.76E-05	1.55E-06	5.40E-07	3.09E-06	3.69E-07	4.91E-07	1.62E-06	1.12E-07
2389	471473.91	3818686.64	5.81E-06	2.44E-05	2.20E-06	4.84E-06	1.79E-05	1.58E-06	5.48E-07	3.14E-06	3.75E-07	4.98E-07	1.64E-06	1.13E-07
2390	471477.46	3818695.46	5.90E-06	2.48E-05	2.23E-06	4.91E-06	1.82E-05	1.60E-06	5.57E-07	3.19E-06	3.80E-07	5.06E-07	1.67E-06	1.15E-07
2391	471481.01	3818704.27	5.99E-06	2.52E-05	2.27E-06	4.99E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
2392	471484.56	3818713.08	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.65E-06	5.76E-07	3.29E-06	3.93E-07	5.23E-07	1.73E-06	1.19E-07
2393	471488.11	3818721.9	6.20E-06	2.60E-05	2.34E-06	5.16E-06	1.91E-05	1.68E-06	5.85E-07	3.35E-06	4.00E-07	5.32E-07	1.75E-06	1.21E-07
2394	471491.66	3818730.71	6.30E-06	2.64E-05	2.38E-06	5.25E-06	1.94E-05	1.71E-06	5.95E-07	3.40E-06	4.06E-07	5.41E-07	1.78E-06	1.23E-07
2395	471495.2	3818739.53	6.40E-06	2.69E-05	2.42E-06	5.33E-06	1.98E-05	1.74E-06	6.05E-07	3.46E-06	4.13E-07	5.50E-07	1.81E-06	1.25E-07
2396	471498.75	3818748.34	6.51E-06	2.73E-05	2.46E-06	5.42E-06	2.01E-05	1.77E-06	6.15E-07	3.52E-06	4.20E-07	5.59E-07	1.84E-06	1.27E-07
2397	471502.3	3818757.15	6.61E-06	2.78E-05	2.50E-06	5.51E-06	2.04E-05	1.80E-06	6.25E-07	3.58E-06	4.27E-07	5.68E-07	1.87E-06	1.29E-07
2398	471505.85	3818765.97	6.73E-06	2.82E-05	2.54E-06	5.60E-06	2.08E-05	1.83E-06	6.35E-07	3.64E-06	4.34E-07	5.77E-07	1.90E-06	1.31E-07
2399	471509.4	3818774.78	6.84E-06	2.87E-05	2.59E-06	5.70E-06	2.11E-05	1.86E-06	6.46E-07	3.70E-06	4.41E-07	5.87E-07	1.94E-06	1.33E-07
2400	471512.95	3818783.6	6.96E-06	2.92E-05	2.63E-06	5.79E-06	2.15E-05	1.89E-06	6.57E-07	3.76E-06	4.49E-07	5.97E-07	1.97E-06	1.36E-07
2401	471516.5	3818792.41	7.07E-06	2.97E-05	2.67E-06	5.89E-06	2.18E-05	1.92E-06	6.68E-07	3.82E-06	4.56E-07	6.07E-07	2.00E-06	1.38E-07
2402	471520.04	3818801.22	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.04E-06	1.40E-07
2403	471523.59	3818810.04	7.31E-06	3.07E-05	2.77E-06	6.09E-06	2.26E-05	1.98E-06	6.90E-07	3.95E-06	4.72E-07	6.28E-07	2.07E-06	1.43E-07
2404	471527.14	3818818.85	7.44E-06	3.12E-05	2.81E-06	6.19E-06	2.30E-05	2.02E-06	7.02E-07	4.02E-06	4.80E-07	6.38E-07	2.11E-06	1.45E-07
2405	471530.69	3818827.67	7.56E-06	3.18E-05	2.86E-06	6.30E-06	2.33E-05	2.05E-06	7.14E-07	4.09E-06	4.88E-07	6.49E-07	2.14E-06	1.48E-07

2406	471541.34	3818854.11	7.95E-06	3.34E-05	3.01E-06	6.62E-06	2.45E-05	2.16E-06	7.50E-07	4.30E-06	5.13E-07	6.82E-07	2.25E-06	1.55E-07
2407	471544.88	3818862.92	8.08E-06	3.39E-05	3.05E-06	6.73E-06	2.49E-05	2.19E-06	7.63E-07	4.37E-06	5.21E-07	6.93E-07	2.29E-06	1.58E-07
2408	471548.43	3818871.74	8.21E-06	3.45E-05	3.11E-06	6.84E-06	2.53E-05	2.23E-06	7.75E-07	4.44E-06	5.30E-07	7.05E-07	2.32E-06	1.60E-07
2409	471551.98	3818880.55	8.35E-06	3.51E-05	3.16E-06	6.95E-06	2.58E-05	2.27E-06	7.88E-07	4.51E-06	5.38E-07	7.17E-07	2.36E-06	1.63E-07
2410	471555.53	3818889.37	8.48E-06	3.56E-05	3.21E-06	7.06E-06	2.62E-05	2.30E-06	8.01E-07	4.58E-06	5.47E-07	7.28E-07	2.40E-06	1.65E-07
2411	471559.08	3818898.18	8.62E-06	3.62E-05	3.26E-06	7.18E-06	2.66E-05	2.34E-06	8.14E-07	4.66E-06	5.56E-07	7.40E-07	2.44E-06	1.68E-07
2412	471562.63	3818906.99	8.76E-06	3.68E-05	3.31E-06	7.29E-06	2.70E-05	2.38E-06	8.27E-07	4.73E-06	5.65E-07	7.52E-07	2.48E-06	1.71E-07
2413	471566.17	3818915.81	8.89E-06	3.74E-05	3.36E-06	7.41E-06	2.74E-05	2.41E-06	8.40E-07	4.81E-06	5.74E-07	7.64E-07	2.52E-06	1.74E-07
2414	471569.72	3818924.62	9.03E-06	3.79E-05	3.42E-06	7.53E-06	2.79E-05	2.45E-06	8.53E-07	4.88E-06	5.83E-07	7.76E-07	2.56E-06	1.76E-07
2415	471573.27	3818933.44	9.18E-06	3.85E-05	3.47E-06	7.65E-06	2.83E-05	2.49E-06	8.67E-07	4.96E-06	5.92E-07	7.88E-07	2.60E-06	1.79E-07
2416	471580.37	3818951.06	9.46E-06	3.97E-05	3.58E-06	7.88E-06	2.92E-05	2.57E-06	8.93E-07	5.11E-06	6.10E-07	8.12E-07	2.68E-06	1.85E-07
2417	471583.92	3818959.88	9.60E-06	4.03E-05	3.63E-06	8.00E-06	2.96E-05	2.61E-06	9.07E-07	5.19E-06	6.19E-07	8.24E-07	2.72E-06	1.87E-07
2418	471587.47	3818968.69	9.74E-06	4.09E-05	3.68E-06	8.11E-06	3.01E-05	2.64E-06	9.20E-07	5.27E-06	6.28E-07	8.36E-07	2.76E-06	1.90E-07
2419	471591.01	3818977.51	9.89E-06	4.15E-05	3.74E-06	8.23E-06	3.05E-05	2.68E-06	9.34E-07	5.34E-06	6.38E-07	8.49E-07	2.80E-06	1.93E-07
2420	471594.56	3818986.32	1.00E-05	4.21E-05	3.79E-06	8.35E-06	3.09E-05	2.72E-06	9.47E-07	5.42E-06	6.47E-07	8.61E-07	2.84E-06	1.96E-07
2421	471598.11	3818995.14	1.02E-05	4.27E-05	3.84E-06	8.47E-06	3.14E-05	2.76E-06	9.60E-07	5.50E-06	6.56E-07	8.73E-07	2.88E-06	1.98E-07
2422	471601.66	3819003.95	1.03E-05	4.33E-05	3.90E-06	8.58E-06	3.18E-05	2.80E-06	9.73E-07	5.57E-06	6.65E-07	8.85E-07	2.92E-06	2.01E-07
2423	471605.21	3819012.76	1.04E-05	4.39E-05	3.95E-06	8.70E-06	3.22E-05	2.84E-06	9.86E-07	5.65E-06	6.74E-07	8.97E-07	2.96E-06	2.04E-07
2424	471608.76	3819021.58	1.06E-05	4.44E-05	4.00E-06	8.82E-06	3.27E-05	2.87E-06	9.99E-07	5.72E-06	6.83E-07	9.09E-07	3.00E-06	2.07E-07
2425	471612.31	3819030.39	1.07E-05	4.50E-05	4.05E-06	8.93E-06	3.31E-05	2.91E-06	1.01E-06	5.79E-06	6.91E-07	9.20E-07	3.03E-06	2.09E-07
2426	471622.95	3819056.83	1.11E-05	4.67E-05	4.20E-06	9.26E-06	3.43E-05	3.02E-06	1.05E-06	6.01E-06	7.17E-07	9.54E-07	3.15E-06	2.17E-07
2427	471626.5	3819065.65	1.12E-05	4.72E-05	4.25E-06	9.37E-06	3.47E-05	3.05E-06	1.06E-06	6.08E-06	7.25E-07	9.66E-07	3.18E-06	2.19E-07
2428	471630.05	3819074.46	1.14E-05	4.78E-05	4.30E-06	9.47E-06	3.51E-05	3.09E-06	1.07E-06	6.15E-06	7.34E-07	9.76E-07	3.22E-06	2.22E-07
2429	471633.6	3819083.28	1.15E-05	4.83E-05	4.35E-06	9.58E-06	3.55E-05	3.12E-06	1.09E-06	6.22E-06	7.42E-07	9.87E-07	3.25E-06	2.24E-07
2430	471637.14	3819092.09	1.16E-05	4.88E-05	4.39E-06	9.68E-06	3.58E-05	3.15E-06	1.10E-06	6.28E-06	7.49E-07	9.97E-07	3.29E-06	2.27E-07
2431	471640.69	3819100.91	1.17E-05	4.93E-05	4.44E-06	9.78E-06	3.62E-05	3.19E-06	1.11E-06	6.35E-06	7.57E-07	1.01E-06	3.32E-06	2.29E-07
2432	471644.24	3819109.72	1.19E-05	4.98E-05	4.48E-06	9.87E-06	3.66E-05	3.22E-06	1.12E-06	6.41E-06	7.65E-07	1.02E-06	3.36E-06	2.31E-07
2433	471647.79	3819118.53	1.20E-05	5.03E-05	4.53E-06	9.97E-06	3.69E-05	3.25E-06	1.13E-06	6.47E-06	7.72E-07	1.03E-06	3.39E-06	2.34E-07
2434	471651.34	3819127.35	1.21E-05	5.07E-05	4.57E-06	1.01E-05	3.73E-05	3.28E-06	1.14E-06	6.53E-06	7.79E-07	1.04E-06	3.42E-06	2.36E-07
2435	471654.89	3819136.16	1.22E-05	5.12E-05	4.61E-06	1.01E-05	3.76E-05	3.31E-06	1.15E-06	6.59E-06	7.86E-07	1.05E-06	3.45E-06	2.38E-07
2436	471661.98	3819153.79	1.24E-05	5.20E-05	4.68E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.70E-06	7.99E-07	1.06E-06	3.51E-06	2.42E-07
2437	471665.53	3819162.6	1.25E-05	5.24E-05	4.72E-06	1.04E-05	3.85E-05	3.39E-06	1.18E-06	6.75E-06	8.05E-07	1.07E-06	3.53E-06	2.44E-07
2438	471669.08	3819171.42	1.26E-05	5.28E-05	4.76E-06	1.05E-05	3.88E-05	3.41E-06	1.19E-06	6.80E-06	8.11E-07	1.08E-06	3.56E-06	2.45E-07
2439	471672.63	3819180.23	1.27E-05	5.32E-05	4.79E-06	1.06E-05	3.91E-05	3.44E-06	1.20E-06	6.85E-06	8.17E-07	1.09E-06	3.59E-06	2.47E-07
2440	471676.18	3819189.05	1.27E-05	5.35E-05	4.82E-06	1.06E-05	3.93E-05	3.46E-06	1.20E-06	6.89E-06	8.22E-07	1.09E-06	3.61E-06	2.49E-07
2441	471679.73	3819197.86	1.28E-05	5.39E-05	4.85E-06	1.07E-05	3.96E-05	3.48E-06	1.21E-06	6.94E-06	8.28E-07	1.10E-06	3.63E-06	2.50E-07
2442	471683.28	3819206.67	1.29E-05	5.42E-05	4.88E-06	1.08E-05	3.98E-05	3.50E-06	1.22E-06	6.98E-06	8.32E-07	1.11E-06	3.65E-06	2.52E-07
2443	471686.82	3819215.49	1.30E-05	5.45E-05	4.91E-06	1.08E-05	4.01E-05	3.52E-06	1.23E-06	7.02E-06	8.37E-07	1.11E-06	3.67E-06	2.53E-07
2444	471690.37	3819224.3	1.30E-05	5.48E-05	4.93E-06	1.09E-05	4.03E-05	3.54E-06	1.23E-06	7.05E-06	8.42E-07	1.12E-06	3.69E-06	2.55E-07
2445	470301.12	3817818.71	7.50E-06	3.15E-05	2.84E-06	6.25E-06	2.32E-05	2.04E-06	7.09E-07	4.06E-06	4.84E-07	6.44E-07	2.12E-06	1.46E-07
2446	470291.55	3817818.58	7.61E-06	3.20E-05	2.88E-06	6.34E-06	2.35E-05	2.07E-06	7.19E-07	4.11E-06	4.91E-07	6.53E-07	2.15E-06	1.48E-07
2447	470281.99	3817818.44	7.72E-06	3.24E-05	2.92E-06	6.43E-06	2.38E-05	2.09E-06	7.29E-07	4.17E-06	4.98E-07	6.62E-07	2.18E-06	1.51E-07
2448	470272.43	3817818.31	7.82E-06	3.28E-05	2.96E-06	6.52E-06	2.41E-05	2.12E-06	7.39E-07	4.23E-06	5.05E-07	6.71E-07	2.21E-06	1.53E-07
2449	470262.87	3817818.17	7.93E-06	3.33E-05	3.00E-06	6.60E-06	2.45E-05	2.15E-06	7.49E-07	4.29E-06	5.11E-07	6.81E-07	2.24E-06	1.55E-07
2450	470253.3	3817818.04	8.03E-06	3.37E-05	3.04E-06	6.69E-06	2.48E-05	2.18E-06	7.59E-07	4.34E-06	5.18E-07	6.90E-07	2.27E-06	1.57E-07
2451	470243.74	3817817.9	8.14E-06	3.42E-05	3.08E-06	6.78E-06	2.51E-05	2.21E-06	7.69E-07	4.40E-06	5.25E-07	6.99E-07	2.30E-06	1.59E-07
2452	470234.18	3817817.77	8.24E-06	3.46E-05	3.12E-06	6.86E-06	2.54E-05	2.24E-06	7.78E-07	4.45E-06	5.32E-07	7.07E-07	2.33E-06	1.61E-07
2453	470224.62	3817817.63	8.34E-06	3.50E-05	3.15E-06	6.94E-06	2.57E-05	2.26E-06	7.87E-07	4.51E-06	5.38E-07	7.16E-07	2.36E-06	1.63E-07
2454	470215.06	3817817.5	8.43E-06	3.54E-05	3.19E-06	7.02E-06	2.60E-05	2.29E-06	7.96E-07	4.56E-06	5.44E-07	7.24E-07	2.39E-06	1.65E-07
2455	470205.49	3817817.36	8.52E-06	3.58E-05	3.22E-06	7.10E-06	2.63E-05	2.31E-06	8.05E-07	4.61E-06	5.50E-07	7.31E-07	2.41E-06	1.66E-07
2456	470195.93	3817817.23	8.60E-06	3.61E-05	3.25E-06	7.16E-06	2.65E-05	2.33E-06	8.12E-07	4.65E-06	5.55E-07	7.38E-07	2.43E-06	1.68E-07
2457	470311.01	3817742.48	6.74E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
2458	470319.77	3817746.24	6.68E-06	2.81E-05	2.53E-06	5.57E-06	2.06E-05	1.81E-06	6.31E-07	3.61E-06	4.31E-07	5.74E-07	1.89E-06	1.30E-07
2459	470328.53	3817750	6.62E-06	2.78E-05	2.51E-06	5.52E-06	2.04E-05	1.80E-06	6.26E-07	3.58E-06	4.27E-07	5.69E-07	1.88E-06	1.29E-07
2460	470337.29	3817753.76	6.57E-06	2.76E-05	2.48E-06	5.47E-06	2.03E-05	1.78E-06	6.20E-07	3.55E-06	4.24E-07	5.64E-07	1.86E-06	1.28E-07
2461	470346.06	3817757.52	6.51E-06	2.74E-05	2.46E-06	5.43E-06	2.01E-05	1.77E-06	6.15E-07	3.52E-06	4.20E-07	5.59E-07	1.84E-06	1.27E-07
2462	470354.82	3817761.28	6.46E-06	2.71E-05	2.44E-06	5.38E-06	1.99E-05	1.75E-06	6.10E-07	3.49E-06	4.17E-07	5.55E-07	1.83E-06	1.26E-07
2463	470363.58	3817765.04	6.41E-06	2.69E-05	2.43E-06	5.34E-06	1.98E-05	1.74E-06	6.06E-07	3.47E-06	4.14E-07	5.50E-07	1.82E-06	1.25E-07
2464	470372.34	3817768.81	6.36E-06	2.67E-05	2.41E-06	5.30E-06	1.96E-05	1.73E-06	6.01E-07	3.44E-06	4.11E-07	5.46E-07	1.80E-06	1.24E-07
2465	470381.1	3817772.57	6.32E-06	2.65E-05	2.39E-06	5.26E-06	1.95E-05	1.71E-06	5.96E-07	3.41E-06	4.07E-07	5.42E-07	1.79E-06	1.23E-07
2466	470389.87	3817776.33	6.27E-06	2.63E-05	2.37E-06	5.22E-06	1.93E-05	1.70E-06	5.92E-07	3.39E-06	4.04E-07	5.38E-07	1.77E-06	1.22E-07
2467	470398.63	3817780.09	6.30E-06	2.65E-05	2.38E-06	5.25E-06	1.94E-05	1.71E-06	5.95E-07	3.41E-06	4.06E-07	5.41E-07	1.78E-06	1.23E-07
2468	470407.39	3817783.85	6.26E-06	2.63E-05	2.37E-06	5.21E-06	1.93E-05	1.70E-06	5.91E-07	3.38E-06	4.04E-07	5.37E-07	1.77E-06	1.22E-07
2469	470416.15	3817787.61	6.21E-06	2.61E-05	2.35E-06	5.17E-06	1.91E-05	1.68E-06	5.86E-07	3.35E-06	4.00E-07	5.33E-07	1.76E-06	1.21E-07
2470	470424.91	3817791.37	6.15E-06	2.58E-05	2.33E-06	5.12E-06	1.90E-05	1.67E-06	5.81E-07	3.32E-06	3.97E-07	5.28E-07	1.74E-06	1.20E-07
2471	470433.68	3817795.13	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.65E-06	5.76E-07	3.29E-06	3.93E-07	5.23E-07	1.73E-06	1.19E-07
2472	470442.44	3817798.89	6.04E-06	2.54E-05	2.29E-06	5.03E-06	1.86E-05	1.64E-06	5.71E-07	3.27E-06	3.90E-07	5.19E-07	1.71E-06	1.18E-07
2473	470451.2	3817802.65	5.99E-06	2.52E-05	2.27E-06	4.99E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
2474	470459.96	3817806.41	5.94E-06	2.50E-05	2.25E-06	4.95E-06	1.83E-05	1.61E-06	5.61E-07	3.21E-06	3.83E-07	5.10E-07	1.68E-06	1.16E-07
2475	470468.72	3817810.17	5.89E-06	2.47E-05	2.23E-06	4.90E-06	1.82E-05	1.60E-06	5.56E-07	3.18E-06	3.80E-07	5.05E-07	1.67E-06	1.15E-07
2476	470477.49	3817813.93	5.84E-06	2.45E-05	2.21E-06	4.86E-06	1.80E-05	1.58E-06	5.51E-07	3.15E-06	3.76E-07	5.01E-07	1.65E-06	1.14E-07
2477	470486.25	3817817.7	5.79E-06	2.43E-05	2.19E-06	4.82E-06	1.79E-05	1.57E-06	5.46E-07	3.13E-06	3.73E-07	4.97E-07	1.64E-06	1.13E-07
2478	470495.01	3817821.46	5.74E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.42E-07	3.10E-06	3.70E-07	4.93E-07	1.62E-06	1.12E-07

2479	470503.77	3817825.22	5.69E-06	2.39E-05	2.15E-06	4.74E-06	1.76E-05	1.54E-06	5.37E-07	3.08E-06	3.67E-07	4.89E-07	1.61E-06	1.11E-07
2480	470512.54	3817828.98	5.64E-06	2.37E-05	2.13E-06	4.70E-06	1.74E-05	1.53E-06	5.33E-07	3.05E-06	3.64E-07	4.84E-07	1.60E-06	1.10E-07
2481	470521.3	3817832.74	5.59E-06	2.35E-05	2.12E-06	4.66E-06	1.73E-05	1.52E-06	5.28E-07	3.02E-06	3.61E-07	4.80E-07	1.58E-06	1.09E-07
2482	470530.06	3817836.5	5.55E-06	2.33E-05	2.10E-06	4.62E-06	1.71E-05	1.51E-06	5.24E-07	3.00E-06	3.58E-07	4.77E-07	1.57E-06	1.08E-07
2483	470538.82	3817840.26	5.50E-06	2.31E-05	2.08E-06	4.58E-06	1.70E-05	1.49E-06	5.20E-07	2.98E-06	3.55E-07	4.72E-07	1.56E-06	1.07E-07
2484	470547.58	3817844.02	5.46E-06	2.29E-05	2.06E-06	4.55E-06	1.68E-05	1.48E-06	5.16E-07	2.95E-06	3.52E-07	4.69E-07	1.55E-06	1.07E-07
2485	470556.35	3817847.78	5.42E-06	2.27E-05	2.05E-06	4.51E-06	1.67E-05	1.47E-06	5.12E-07	2.93E-06	3.49E-07	4.65E-07	1.53E-06	1.06E-07
2486	470565.11	3817851.54	5.37E-06	2.25E-05	2.03E-06	4.47E-06	1.66E-05	1.46E-06	5.07E-07	2.90E-06	3.46E-07	4.61E-07	1.52E-06	1.05E-07
2487	470573.87	3817855.3	5.33E-06	2.24E-05	2.01E-06	4.44E-06	1.64E-05	1.45E-06	5.03E-07	2.88E-06	3.43E-07	4.57E-07	1.51E-06	1.04E-07
2488	470582.63	3817859.06	5.28E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
2489	470591.39	3817862.82	5.24E-06	2.20E-05	1.98E-06	4.36E-06	1.62E-05	1.42E-06	4.95E-07	2.83E-06	3.38E-07	4.50E-07	1.48E-06	1.02E-07
2490	470600.16	3817866.59	5.20E-06	2.18E-05	1.97E-06	4.33E-06	1.60E-05	1.41E-06	4.91E-07	2.81E-06	3.35E-07	4.46E-07	1.47E-06	1.01E-07
2491	470608.92	3817870.35	5.16E-06	2.17E-05	1.95E-06	4.30E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.33E-07	4.43E-07	1.46E-06	1.01E-07
2492	470617.68	3817874.11	5.12E-06	2.15E-05	1.94E-06	4.27E-06	1.58E-05	1.39E-06	4.84E-07	2.77E-06	3.30E-07	4.40E-07	1.45E-06	1.00E-07
2493	470626.44	3817877.87	5.08E-06	2.14E-05	1.92E-06	4.24E-06	1.57E-05	1.38E-06	4.80E-07	2.75E-06	3.28E-07	4.37E-07	1.44E-06	9.92E-08
2494	470635.2	3817881.63	5.04E-06	2.12E-05	1.91E-06	4.20E-06	1.56E-05	1.37E-06	4.76E-07	2.73E-06	3.25E-07	4.33E-07	1.43E-06	9.84E-08
2495	470643.97	3817885.39	5.00E-06	2.10E-05	1.89E-06	4.17E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.23E-07	4.29E-07	1.42E-06	9.76E-08
2496	470652.73	3817889.15	4.96E-06	2.08E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.69E-07	2.68E-06	3.20E-07	4.26E-07	1.41E-06	9.69E-08
2497	470661.49	3817892.91	4.93E-06	2.07E-05	1.86E-06	4.10E-06	1.52E-05	1.34E-06	4.65E-07	2.66E-06	3.18E-07	4.23E-07	1.39E-06	9.61E-08
2498	470670.25	3817896.67	4.89E-06	2.05E-05	1.85E-06	4.08E-06	1.51E-05	1.33E-06	4.62E-07	2.64E-06	3.16E-07	4.20E-07	1.38E-06	9.55E-08
2499	470679.01	3817900.43	4.85E-06	2.04E-05	1.84E-06	4.04E-06	1.50E-05	1.32E-06	4.58E-07	2.62E-06	3.13E-07	4.17E-07	1.37E-06	9.47E-08
2500	470687.78	3817904.19	4.82E-06	2.02E-05	1.82E-06	4.01E-06	1.49E-05	1.31E-06	4.55E-07	2.61E-06	3.11E-07	4.14E-07	1.36E-06	9.41E-08
2501	470696.54	3817907.95	4.79E-06	2.01E-05	1.81E-06	3.99E-06	1.48E-05	1.30E-06	4.52E-07	2.59E-06	3.09E-07	4.11E-07	1.36E-06	9.35E-08
2502	470705.3	3817911.71	4.76E-06	2.00E-05	1.80E-06	3.97E-06	1.47E-05	1.29E-06	4.50E-07	2.57E-06	3.07E-07	4.09E-07	1.35E-06	9.29E-08
2503	470714.06	3817915.48	4.73E-06	1.99E-05	1.79E-06	3.94E-06	1.46E-05	1.28E-06	4.47E-07	2.56E-06	3.05E-07	4.06E-07	1.34E-06	9.23E-08
2504	470722.83	3817919.24	4.70E-06	1.97E-05	1.78E-06	3.91E-06	1.45E-05	1.28E-06	4.44E-07	2.54E-06	3.03E-07	4.03E-07	1.33E-06	9.17E-08
2505	470731.59	3817923	4.67E-06	1.96E-05	1.77E-06	3.89E-06	1.44E-05	1.27E-06	4.41E-07	2.53E-06	3.01E-07	4.01E-07	1.32E-06	9.11E-08
2506	470740.35	3817926.76	4.64E-06	1.95E-05	1.76E-06	3.87E-06	1.43E-05	1.26E-06	4.38E-07	2.51E-06	2.99E-07	3.99E-07	1.31E-06	9.06E-08
2507	470749.11	3817930.52	4.61E-06	1.94E-05	1.74E-06	3.84E-06	1.42E-05	1.25E-06	4.35E-07	2.49E-06	2.97E-07	3.96E-07	1.30E-06	8.99E-08
2508	470757.87	3817934.28	4.57E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.93E-07	1.29E-06	8.93E-08
2509	470766.64	3817938.04	4.54E-06	1.91E-05	1.72E-06	3.78E-06	1.40E-05	1.23E-06	4.29E-07	2.45E-06	2.93E-07	3.90E-07	1.29E-06	8.86E-08
2510	470775.4	3817941.8	4.51E-06	1.89E-05	1.70E-06	3.75E-06	1.39E-05	1.22E-06	4.26E-07	2.44E-06	2.91E-07	3.87E-07	1.28E-06	8.80E-08
2511	470784.16	3817945.56	4.48E-06	1.88E-05	1.69E-06	3.73E-06	1.38E-05	1.22E-06	4.23E-07	2.42E-06	2.89E-07	3.84E-07	1.27E-06	8.74E-08
2512	470792.92	3817949.32	4.45E-06	1.87E-05	1.68E-06	3.71E-06	1.37E-05	1.21E-06	4.21E-07	2.41E-06	2.87E-07	3.82E-07	1.26E-06	8.69E-08
2513	470801.68	3817953.08	4.43E-06	1.86E-05	1.67E-06	3.69E-06	1.37E-05	1.20E-06	4.18E-07	2.39E-06	2.85E-07	3.80E-07	1.25E-06	8.64E-08
2514	470810.45	3817956.84	4.40E-06	1.85E-05	1.66E-06	3.66E-06	1.36E-05	1.19E-06	4.15E-07	2.38E-06	2.84E-07	3.77E-07	1.24E-06	8.58E-08
2515	470819.21	3817960.6	4.37E-06	1.83E-05	1.65E-06	3.64E-06	1.35E-05	1.19E-06	4.12E-07	2.36E-06	2.82E-07	3.75E-07	1.24E-06	8.52E-08
2516	470827.97	3817964.37	4.34E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.10E-07	2.35E-06	2.80E-07	3.72E-07	1.23E-06	8.47E-08
2517	470836.73	3817968.13	4.31E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.41E-08
2518	470845.49	3817971.89	4.28E-06	1.80E-05	1.62E-06	3.56E-06	1.32E-05	1.16E-06	4.04E-07	2.31E-06	2.76E-07	3.67E-07	1.21E-06	8.34E-08
2519	470854.26	3817975.65	4.25E-06	1.78E-05	1.61E-06	3.54E-06	1.31E-05	1.15E-06	4.01E-07	2.30E-06	2.74E-07	3.65E-07	1.20E-06	8.29E-08
2520	470863.02	3817979.41	4.21E-06	1.77E-05	1.59E-06	3.51E-06	1.30E-05	1.14E-06	3.98E-07	2.28E-06	2.72E-07	3.62E-07	1.19E-06	8.22E-08
2521	470871.78	3817983.17	4.18E-06	1.76E-05	1.58E-06	3.48E-06	1.29E-05	1.13E-06	3.95E-07	2.26E-06	2.70E-07	3.59E-07	1.18E-06	8.16E-08
2522	470880.54	3817986.93	4.15E-06	1.74E-05	1.57E-06	3.45E-06	1.28E-05	1.13E-06	3.92E-07	2.24E-06	2.67E-07	3.56E-07	1.17E-06	8.09E-08
2523	470889.3	3817990.69	4.12E-06	1.73E-05	1.56E-06	3.43E-06	1.27E-05	1.12E-06	3.89E-07	2.23E-06	2.66E-07	3.54E-07	1.17E-06	8.03E-08
2524	470898.07	3817994.45	4.08E-06	1.72E-05	1.54E-06	3.40E-06	1.26E-05	1.11E-06	3.86E-07	2.21E-06	2.63E-07	3.51E-07	1.16E-06	7.97E-08
2525	470906.83	3817998.21	4.06E-06	1.70E-05	1.53E-06	3.38E-06	1.25E-05	1.10E-06	3.83E-07	2.19E-06	2.62E-07	3.48E-07	1.15E-06	7.91E-08
2526	470915.59	3818001.97	4.02E-06	1.69E-05	1.52E-06	3.35E-06	1.24E-05	1.09E-06	3.80E-07	2.17E-06	2.59E-07	3.45E-07	1.14E-06	7.85E-08
2527	470924.35	3818005.73	3.99E-06	1.67E-05	1.51E-06	3.32E-06	1.23E-05	1.08E-06	3.77E-07	2.16E-06	2.57E-07	3.42E-07	1.13E-06	7.78E-08
2528	470933.12	3818009.49	3.95E-06	1.66E-05	1.50E-06	3.29E-06	1.22E-05	1.07E-06	3.73E-07	2.14E-06	2.55E-07	3.39E-07	1.12E-06	7.72E-08
2529	470941.88	3818013.26	3.93E-06	1.65E-05	1.48E-06	3.27E-06	1.21E-05	1.07E-06	3.71E-07	2.12E-06	2.53E-07	3.37E-07	1.11E-06	7.66E-08
2530	470950.64	3818017.02	3.90E-06	1.64E-05	1.47E-06	3.25E-06	1.20E-05	1.06E-06	3.68E-07	2.11E-06	2.51E-07	3.35E-07	1.10E-06	7.60E-08
2531	470959.4	3818020.78	3.86E-06	1.62E-05	1.46E-06	3.22E-06	1.19E-05	1.05E-06	3.65E-07	2.09E-06	2.49E-07	3.32E-07	1.09E-06	7.54E-08
2532	470968.16	3818024.54	3.83E-06	1.61E-05	1.45E-06	3.19E-06	1.18E-05	1.04E-06	3.62E-07	2.07E-06	2.47E-07	3.29E-07	1.08E-06	7.47E-08
2533	470976.93	3818028.3	3.80E-06	1.59E-05	1.44E-06	3.16E-06	1.17E-05	1.03E-06	3.58E-07	2.05E-06	2.45E-07	3.26E-07	1.07E-06	7.41E-08
2534	470985.69	3818032.06	3.77E-06	1.58E-05	1.42E-06	3.14E-06	1.16E-05	1.02E-06	3.56E-07	2.04E-06	2.43E-07	3.23E-07	1.07E-06	7.35E-08
2535	470994.45	3818035.82	3.74E-06	1.57E-05	1.42E-06	3.12E-06	1.15E-05	1.02E-06	3.53E-07	2.02E-06	2.41E-07	3.21E-07	1.06E-06	7.30E-08
2536	471003.21	3818039.58	3.71E-06	1.56E-05	1.40E-06	3.09E-06	1.15E-05	1.01E-06	3.51E-07	2.01E-06	2.40E-07	3.19E-07	1.05E-06	7.25E-08
2537	471011.97	3818043.34	3.68E-06	1.54E-05	1.39E-06	3.06E-06	1.13E-05	9.98E-07	3.47E-07	1.99E-06	2.37E-07	3.16E-07	1.04E-06	7.17E-08
2538	471020.74	3818047.1	3.64E-06	1.53E-05	1.38E-06	3.03E-06	1.12E-05	9.89E-07	3.44E-07	1.97E-06	2.35E-07	3.13E-07	1.03E-06	7.11E-08
2539	471029.5	3818050.86	3.61E-06	1.52E-05	1.36E-06	3.01E-06	1.11E-05	9.79E-07	3.41E-07	1.95E-06	2.33E-07	3.10E-07	1.02E-06	7.04E-08
2540	471038.26	3818054.62	3.57E-06	1.50E-05	1.35E-06	2.98E-06	1.10E-05	9.70E-07	3.38E-07	1.93E-06	2.31E-07	3.07E-07	1.01E-06	6.97E-08
2541	471047.02	3818058.38	3.54E-06	1.48E-05	1.34E-06	2.95E-06	1.09E-05	9.60E-07	3.34E-07	1.91E-06	2.28E-07	3.04E-07	1.00E-06	6.90E-08
2542	471055.78	3818062.15	3.50E-06	1.47E-05	1.32E-06	2.92E-06	1.08E-05	9.51E-07	3.31E-07	1.89E-06	2.26E-07	3.01E-07	9.91E-07	6.83E-08
2543	471064.55	3818065.91	3.47E-06	1.46E-05	1.31E-06	2.89E-06	1.07E-05	9.42E-07	3.28E-07	1.88E-06	2.24E-07	2.98E-07	9.82E-07	6.77E-08
2544	471073.31	3818069.67	3.43E-06	1.44E-05	1.30E-06	2.86E-06	1.06E-05	9.32E-07	3.24E-07	1.86E-06	2.22E-07	2.95E-07	9.72E-07	6.70E-08
2545	471082.07	3818073.43	3.40E-06	1.43E-05	1.29E-06	2.83E-06	1.05E-05	9.23E-07	3.21E-07	1.84E-06	2.19E-07	2.92E-07	9.63E-07	6.64E-08
2546	471090.83	3818077.19	3.37E-06	1.41E-05	1.27E-06	2.80E-06	1.04E-05	9.14E-07	3.18E-07	1.82E-06	2.17E-07	2.89E-07	9.53E-07	6.57E-08
2547	471099.59	3818080.95	3.33E-06	1.40E-05	1.26E-06	2.78E-06	1.03E-05	9.05E-07	3.15E-07	1.80E-06	2.15E-07	2.86E-07	9.44E-07	6.51E-08
2548	471108.36	3818084.71	3.30E-06	1.39E-05	1.25E-06	2.75E-06	1.02E-05	8.96E-07	3.12E-07	1.78E-06	2.13E-07	2.83E-07	9.34E-07	6.44E-08
2549	471117.12	3818088.47	3.27E-06	1.37E-05	1.24E-06	2.72E-06	1.01E-05	8.88E-07	3.09E-07	1.77E-06	2.11E-07	2.81E-07	9.26E-07	6.38E-08
2550	471125.88	3818092.23	3.24E-06	1.36E-05	1.22E-06	2.70E-06	9.99E-06	8.79E-07	3.06E-07	1.75E-06	2.09E-07	2.78E-07	9.16E-07	6.32E-08
2551	471169.69	3818111.04	3.09E-06	1.30E-05	1.17E-06	2.57E-06	9.53E-06	8.38E-07	2.92E-07	1.67E-06	1.99E-07	2.65E-07	8.74E-07	6.03E-08

2552	471178.45	3818114.8	3.06E-06	1.28E-05	1.16E-06	2.55E-06	9.44E-06	8.31E-07	2.89E-07	1.65E-06	1.97E-07	2.63E-07	8.66E-07	5.97E-08
2553	471187.22	3818118.56	3.03E-06	1.27E-05	1.15E-06	2.52E-06	9.35E-06	8.23E-07	2.86E-07	1.64E-06	1.95E-07	2.60E-07	8.58E-07	5.91E-08
2554	471195.98	3818122.32	3.01E-06	1.26E-05	1.14E-06	2.50E-06	9.28E-06	8.16E-07	2.84E-07	1.63E-06	1.94E-07	2.58E-07	8.51E-07	5.87E-08
2555	471204.74	3818126.08	2.98E-06	1.25E-05	1.13E-06	2.48E-06	9.19E-06	8.08E-07	2.81E-07	1.61E-06	1.92E-07	2.56E-07	8.43E-07	5.81E-08
2556	471213.5	3818129.84	2.95E-06	1.24E-05	1.12E-06	2.46E-06	9.11E-06	8.02E-07	2.79E-07	1.60E-06	1.91E-07	2.54E-07	8.36E-07	5.76E-08
2557	471222.26	3818133.6	2.93E-06	1.23E-05	1.11E-06	2.44E-06	9.04E-06	7.95E-07	2.77E-07	1.58E-06	1.89E-07	2.51E-07	8.29E-07	5.72E-08
2558	471231.03	3818137.36	2.91E-06	1.22E-05	1.10E-06	2.42E-06	8.97E-06	7.89E-07	2.74E-07	1.57E-06	1.87E-07	2.49E-07	8.22E-07	5.67E-08
2559	471239.79	3818141.12	2.89E-06	1.21E-05	1.09E-06	2.40E-06	8.91E-06	7.84E-07	2.73E-07	1.56E-06	1.86E-07	2.48E-07	8.17E-07	5.63E-08
2560	471248.55	3818144.88	2.87E-06	1.20E-05	1.08E-06	2.39E-06	8.85E-06	7.78E-07	2.71E-07	1.55E-06	1.85E-07	2.46E-07	8.12E-07	5.59E-08
2561	471257.31	3818148.64	2.84E-06	1.19E-05	1.08E-06	2.37E-06	8.77E-06	7.72E-07	2.68E-07	1.54E-06	1.83E-07	2.44E-07	8.05E-07	5.55E-08
2562	471266.07	3818152.4	2.82E-06	1.19E-05	1.07E-06	2.35E-06	8.71E-06	7.67E-07	2.67E-07	1.53E-06	1.82E-07	2.42E-07	7.99E-07	5.51E-08
2563	471274.84	3818156.16	2.81E-06	1.18E-05	1.06E-06	2.34E-06	8.67E-06	7.63E-07	2.65E-07	1.52E-06	1.81E-07	2.41E-07	7.95E-07	5.48E-08
2564	471283.6	3818159.93	2.79E-06	1.17E-05	1.06E-06	2.32E-06	8.61E-06	7.57E-07	2.63E-07	1.51E-06	1.80E-07	2.40E-07	7.90E-07	5.44E-08
2565	471292.36	3818163.69	2.78E-06	1.17E-05	1.05E-06	2.31E-06	8.57E-06	7.53E-07	2.62E-07	1.50E-06	1.79E-07	2.38E-07	7.86E-07	5.42E-08
2566	471301.12	3818167.45	2.76E-06	1.16E-05	1.04E-06	2.30E-06	8.52E-06	7.50E-07	2.61E-07	1.49E-06	1.78E-07	2.37E-07	7.82E-07	5.39E-08
2567	471309.89	3818171.21	2.75E-06	1.15E-05	1.04E-06	2.29E-06	8.48E-06	7.46E-07	2.59E-07	1.48E-06	1.77E-07	2.36E-07	7.77E-07	5.36E-08
2568	471318.65	3818174.97	2.73E-06	1.15E-05	1.03E-06	2.28E-06	8.43E-06	7.42E-07	2.58E-07	1.48E-06	1.76E-07	2.35E-07	7.73E-07	5.33E-08
2569	471327.41	3818178.73	2.72E-06	1.14E-05	1.03E-06	2.26E-06	8.39E-06	7.38E-07	2.57E-07	1.47E-06	1.75E-07	2.33E-07	7.69E-07	5.30E-08
2570	471336.17	3818182.49	2.71E-06	1.14E-05	1.02E-06	2.26E-06	8.36E-06	7.35E-07	2.56E-07	1.46E-06	1.75E-07	2.32E-07	7.67E-07	5.28E-08
2571	471344.93	3818186.25	2.70E-06	1.13E-05	1.02E-06	2.25E-06	8.33E-06	7.33E-07	2.55E-07	1.46E-06	1.74E-07	2.32E-07	7.64E-07	5.27E-08
2572	471357.26	3818198.86	2.71E-06	1.14E-05	1.02E-06	2.26E-06	8.36E-06	7.35E-07	2.56E-07	1.46E-06	1.75E-07	2.32E-07	7.67E-07	5.28E-08
2573	471360.82	3818207.7	2.73E-06	1.15E-05	1.03E-06	2.27E-06	8.42E-06	7.40E-07	2.58E-07	1.47E-06	1.76E-07	2.34E-07	7.72E-07	5.32E-08
2574	471364.38	3818216.55	2.75E-06	1.15E-05	1.04E-06	2.29E-06	8.48E-06	7.46E-07	2.59E-07	1.48E-06	1.77E-07	2.36E-07	7.77E-07	5.36E-08
2575	471367.94	3818225.39	2.77E-06	1.16E-05	1.05E-06	2.31E-06	8.55E-06	7.52E-07	2.62E-07	1.50E-06	1.79E-07	2.38E-07	7.84E-07	5.41E-08
2576	471371.5	3818234.24	2.79E-06	1.17E-05	1.06E-06	2.33E-06	8.62E-06	7.59E-07	2.64E-07	1.51E-06	1.80E-07	2.40E-07	7.91E-07	5.45E-08
2577	471375.06	3818243.08	2.82E-06	1.18E-05	1.07E-06	2.35E-06	8.70E-06	7.65E-07	2.66E-07	1.52E-06	1.82E-07	2.42E-07	7.98E-07	5.50E-08
2578	471378.62	3818251.93	2.84E-06	1.19E-05	1.08E-06	2.37E-06	8.77E-06	7.72E-07	2.68E-07	1.54E-06	1.83E-07	2.44E-07	8.05E-07	5.55E-08
2579	471382.18	3818260.77	2.87E-06	1.21E-05	1.09E-06	2.39E-06	8.86E-06	7.80E-07	2.71E-07	1.55E-06	1.85E-07	2.47E-07	8.13E-07	5.60E-08
2580	471385.74	3818269.62	2.90E-06	1.22E-05	1.10E-06	2.41E-06	8.94E-06	7.86E-07	2.73E-07	1.57E-06	1.87E-07	2.49E-07	8.20E-07	5.65E-08
2581	471389.31	3818278.46	2.93E-06	1.23E-05	1.11E-06	2.44E-06	9.04E-06	7.95E-07	2.77E-07	1.58E-06	1.89E-07	2.51E-07	8.29E-07	5.72E-08
2582	471392.87	3818287.31	2.96E-06	1.24E-05	1.12E-06	2.46E-06	9.13E-06	8.03E-07	2.79E-07	1.60E-06	1.91E-07	2.54E-07	8.37E-07	5.77E-08
2583	471396.43	3818296.15	2.99E-06	1.25E-05	1.13E-06	2.49E-06	9.22E-06	8.11E-07	2.82E-07	1.62E-06	1.93E-07	2.56E-07	8.46E-07	5.83E-08
2584	471399.99	3818305	3.02E-06	1.27E-05	1.14E-06	2.52E-06	9.32E-06	8.20E-07	2.85E-07	1.63E-06	1.95E-07	2.59E-07	8.55E-07	5.89E-08
2585	471403.55	3818313.84	3.05E-06	1.28E-05	1.16E-06	2.54E-06	9.43E-06	8.29E-07	2.88E-07	1.65E-06	1.97E-07	2.62E-07	8.65E-07	5.96E-08
2586	471407.11	3818322.69	3.09E-06	1.30E-05	1.17E-06	2.57E-06	9.53E-06	8.38E-07	2.92E-07	1.67E-06	1.99E-07	2.65E-07	8.74E-07	6.03E-08
2587	471410.67	3818331.53	3.13E-06	1.31E-05	1.18E-06	2.60E-06	9.65E-06	8.49E-07	2.95E-07	1.69E-06	2.02E-07	2.68E-07	8.85E-07	6.10E-08
2588	471414.23	3818340.38	3.17E-06	1.33E-05	1.20E-06	2.64E-06	9.77E-06	8.59E-07	2.99E-07	1.71E-06	2.04E-07	2.72E-07	8.96E-07	6.18E-08
2589	471417.79	3818349.22	3.20E-06	1.35E-05	1.21E-06	2.67E-06	9.89E-06	8.70E-07	3.03E-07	1.73E-06	2.07E-07	2.75E-07	9.07E-07	6.25E-08
2590	471421.35	3818358.07	3.24E-06	1.36E-05	1.23E-06	2.70E-06	1.00E-05	8.80E-07	3.06E-07	1.75E-06	2.09E-07	2.78E-07	9.18E-07	6.33E-08
2591	471424.92	3818366.91	3.28E-06	1.38E-05	1.24E-06	2.73E-06	1.01E-05	8.91E-07	3.10E-07	1.77E-06	2.12E-07	2.82E-07	9.29E-07	6.40E-08
2592	471428.48	3818375.76	3.32E-06	1.40E-05	1.26E-06	2.77E-06	1.03E-05	9.02E-07	3.14E-07	1.80E-06	2.14E-07	2.85E-07	9.41E-07	6.49E-08
2593	471432.04	3818384.61	3.37E-06	1.41E-05	1.27E-06	2.80E-06	1.04E-05	9.14E-07	3.18E-07	1.82E-06	2.17E-07	2.89E-07	9.53E-07	6.57E-08
2594	471435.6	3818393.45	3.41E-06	1.43E-05	1.29E-06	2.84E-06	1.05E-05	9.26E-07	3.22E-07	1.84E-06	2.20E-07	2.93E-07	9.65E-07	6.66E-08
2595	471439.16	3818402.3	3.45E-06	1.45E-05	1.31E-06	2.88E-06	1.07E-05	9.38E-07	3.26E-07	1.87E-06	2.23E-07	2.97E-07	9.78E-07	6.74E-08
2596	471442.72	3818411.14	3.50E-06	1.47E-05	1.32E-06	2.92E-06	1.08E-05	9.51E-07	3.31E-07	1.89E-06	2.26E-07	3.01E-07	9.91E-07	6.83E-08
2597	471446.28	3818419.99	3.55E-06	1.49E-05	1.34E-06	2.96E-06	1.10E-05	9.64E-07	3.35E-07	1.92E-06	2.29E-07	3.05E-07	1.00E-06	6.93E-08
2598	471449.84	3818428.83	3.60E-06	1.51E-05	1.36E-06	3.00E-06	1.11E-05	9.77E-07	3.40E-07	1.95E-06	2.32E-07	3.09E-07	1.02E-06	7.02E-08
2599	471460.53	3818455.37	3.75E-06	1.57E-05	1.42E-06	3.12E-06	1.16E-05	1.02E-06	3.54E-07	2.03E-06	2.42E-07	3.22E-07	1.06E-06	7.31E-08
2600	471464.09	3818464.21	3.80E-06	1.60E-05	1.44E-06	3.17E-06	1.17E-05	1.03E-06	3.59E-07	2.05E-06	2.45E-07	3.26E-07	1.08E-06	7.42E-08
2601	471467.65	3818473.06	3.85E-06	1.62E-05	1.46E-06	3.21E-06	1.19E-05	1.05E-06	3.64E-07	2.08E-06	2.49E-07	3.31E-07	1.09E-06	7.52E-08
2602	471471.21	3818481.9	3.91E-06	1.64E-05	1.48E-06	3.25E-06	1.21E-05	1.06E-06	3.69E-07	2.11E-06	2.52E-07	3.35E-07	1.11E-06	7.62E-08
2603	471474.77	3818490.75	3.96E-06	1.66E-05	1.50E-06	3.30E-06	1.22E-05	1.08E-06	3.74E-07	2.14E-06	2.56E-07	3.40E-07	1.12E-06	7.73E-08
2604	471478.33	3818499.59	4.02E-06	1.69E-05	1.52E-06	3.35E-06	1.24E-05	1.09E-06	3.79E-07	2.17E-06	2.59E-07	3.45E-07	1.14E-06	7.84E-08
2605	471481.89	3818508.44	4.07E-06	1.71E-05	1.54E-06	3.39E-06	1.26E-05	1.11E-06	3.85E-07	2.20E-06	2.63E-07	3.50E-07	1.15E-06	7.95E-08
2606	471485.45	3818517.28	4.13E-06	1.74E-05	1.56E-06	3.44E-06	1.28E-05	1.12E-06	3.90E-07	2.23E-06	2.67E-07	3.55E-07	1.17E-06	8.06E-08
2607	471489.01	3818526.13	4.19E-06	1.76E-05	1.59E-06	3.49E-06	1.29E-05	1.14E-06	3.96E-07	2.27E-06	2.71E-07	3.60E-07	1.19E-06	8.19E-08
2608	471492.57	3818534.97	4.25E-06	1.79E-05	1.61E-06	3.54E-06	1.31E-05	1.15E-06	4.02E-07	2.30E-06	2.74E-07	3.65E-07	1.20E-06	8.30E-08
2609	471496.14	3818543.82	4.32E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.42E-08
2610	471499.7	3818552.66	4.38E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.13E-07	2.37E-06	2.82E-07	3.76E-07	1.24E-06	8.54E-08
2611	471503.26	3818561.51	4.44E-06	1.86E-05	1.68E-06	3.70E-06	1.37E-05	1.21E-06	4.19E-07	2.40E-06	2.86E-07	3.81E-07	1.26E-06	8.66E-08
2612	471506.82	3818570.35	4.51E-06	1.89E-05	1.70E-06	3.75E-06	1.39E-05	1.22E-06	4.26E-07	2.44E-06	2.91E-07	3.87E-07	1.28E-06	8.80E-08
2613	471510.38	3818579.2	4.57E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.93E-07	1.29E-06	8.93E-08
2614	471513.94	3818588.04	4.64E-06	1.95E-05	1.76E-06	3.87E-06	1.43E-05	1.26E-06	4.38E-07	2.51E-06	2.99E-07	3.99E-07	1.31E-06	9.06E-08
2615	471517.5	3818596.89	4.71E-06	1.98E-05	1.78E-06	3.92E-06	1.45E-05	1.28E-06	4.45E-07	2.55E-06	3.04E-07	4.04E-07	1.33E-06	9.19E-08
2616	471521.06	3818605.73	4.78E-06	2.01E-05	1.81E-06	3.98E-06	1.48E-05	1.30E-06	4.52E-07	2.59E-06	3.08E-07	4.10E-07	1.35E-06	9.33E-08
2617	471524.62	3818614.58	4.85E-06	2.04E-05	1.84E-06	4.04E-06	1.50E-05	1.32E-06	4.58E-07	2.62E-06	3.13E-07	4.17E-07	1.37E-06	9.47E-08
2618	471528.18	3818623.42	4.93E-06	2.07E-05	1.86E-06	4.10E-06	1.52E-05	1.34E-06	4.65E-07	2.66E-06	3.18E-07	4.23E-07	1.39E-06	9.61E-08
2619	471531.75	3818632.27	5.00E-06	2.10E-05	1.89E-06	4.17E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.23E-07	4.29E-07	1.42E-06	9.76E-08
2620	471535.31	3818641.11	5.08E-06	2.13E-05	1.92E-06	4.23E-06	1.57E-05	1.38E-06	4.80E-07	2.75E-06	3.28E-07	4.36E-07	1.44E-06	9.91E-08
2621	471538.87	3818649.96	5.16E-06	2.17E-05	1.95E-06	4.30E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.33E-07	4.43E-07	1.46E-06	1.01E-07
2622	471542.43	3818658.81	5.23E-06	2.20E-05	1.98E-06	4.36E-06	1.62E-05	1.42E-06	4.94E-07	2.83E-06	3.38E-07	4.49E-07	1.48E-06	1.02E-07
2623	471545.99	3818667.65	5.32E-06	2.23E-05	2.01E-06	4.43E-06	1.64E-05	1.44E-06	5.02E-07	2.87E-06	3.43E-07	4.56E-07	1.50E-06	1.04E-07
2624	471549.55	3818676.5	5.40E-06	2.27E-05	2.04E-06	4.50E-06	1.67E-05	1.47E-06	5.10E-07	2.92E-06	3.48E-07	4.63E-07	1.53E-06	1.05E-07

2625	471553.11	3818685.34	5.48E-06	2.30E-05	2.07E-06	4.57E-06	1.69E-05	1.49E-06	5.18E-07	2.96E-06	3.54E-07	4.71E-07	1.55E-06	1.07E-07
2626	471556.67	3818694.19	5.57E-06	2.34E-05	2.11E-06	4.64E-06	1.72E-05	1.51E-06	5.26E-07	3.01E-06	3.59E-07	4.78E-07	1.58E-06	1.09E-07
2627	471560.23	3818703.03	5.66E-06	2.38E-05	2.14E-06	4.71E-06	1.75E-05	1.54E-06	5.34E-07	3.06E-06	3.65E-07	4.86E-07	1.60E-06	1.10E-07
2628	471563.79	3818711.88	5.75E-06	2.41E-05	2.17E-06	4.79E-06	1.77E-05	1.56E-06	5.43E-07	3.11E-06	3.71E-07	4.93E-07	1.63E-06	1.12E-07
2629	471567.36	3818720.72	5.84E-06	2.45E-05	2.21E-06	4.86E-06	1.80E-05	1.59E-06	5.51E-07	3.16E-06	3.77E-07	5.01E-07	1.65E-06	1.14E-07
2630	471570.92	3818729.57	5.93E-06	2.49E-05	2.24E-06	4.94E-06	1.83E-05	1.61E-06	5.60E-07	3.21E-06	3.83E-07	5.09E-07	1.68E-06	1.16E-07
2631	471574.48	3818738.41	6.03E-06	2.53E-05	2.28E-06	5.02E-06	1.86E-05	1.64E-06	5.69E-07	3.26E-06	3.89E-07	5.17E-07	1.71E-06	1.18E-07
2632	471578.04	3818747.26	6.12E-06	2.57E-05	2.32E-06	5.10E-06	1.89E-05	1.66E-06	5.78E-07	3.31E-06	3.95E-07	5.26E-07	1.73E-06	1.19E-07
2633	471581.6	3818756.1	6.22E-06	2.61E-05	2.35E-06	5.19E-06	1.92E-05	1.69E-06	5.88E-07	3.37E-06	4.02E-07	5.34E-07	1.76E-06	1.21E-07
2634	471585.16	3818764.95	6.32E-06	2.65E-05	2.39E-06	5.27E-06	1.95E-05	1.72E-06	5.97E-07	3.42E-06	4.08E-07	5.43E-07	1.79E-06	1.23E-07
2635	471588.72	3818773.79	6.43E-06	2.70E-05	2.43E-06	5.35E-06	1.98E-05	1.74E-06	6.07E-07	3.47E-06	4.15E-07	5.52E-07	1.82E-06	1.25E-07
2636	471592.28	3818782.64	6.53E-06	2.74E-05	2.47E-06	5.44E-06	2.01E-05	1.77E-06	6.16E-07	3.53E-06	4.21E-07	5.60E-07	1.85E-06	1.27E-07
2637	471595.84	3818791.48	6.63E-06	2.79E-05	2.51E-06	5.53E-06	2.05E-05	1.80E-06	6.26E-07	3.59E-06	4.28E-07	5.69E-07	1.88E-06	1.29E-07
2638	471599.4	3818800.33	6.74E-06	2.83E-05	2.55E-06	5.61E-06	2.08E-05	1.83E-06	6.36E-07	3.64E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
2639	471602.97	3818809.17	6.85E-06	2.88E-05	2.59E-06	5.71E-06	2.11E-05	1.86E-06	6.47E-07	3.70E-06	4.42E-07	5.88E-07	1.94E-06	1.34E-07
2640	471606.53	3818818.02	6.96E-06	2.92E-05	2.63E-06	5.80E-06	2.15E-05	1.89E-06	6.57E-07	3.76E-06	4.49E-07	5.98E-07	1.97E-06	1.36E-07
2641	471610.09	3818826.86	7.07E-06	2.97E-05	2.67E-06	5.89E-06	2.18E-05	1.92E-06	6.68E-07	3.82E-06	4.56E-07	6.07E-07	2.00E-06	1.38E-07
2642	471620.77	3818853.4	7.41E-06	3.11E-05	2.80E-06	6.17E-06	2.29E-05	2.01E-06	7.00E-07	4.01E-06	4.78E-07	6.36E-07	2.10E-06	1.45E-07
2643	471624.33	3818862.24	7.53E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.11E-07	4.07E-06	4.86E-07	6.47E-07	2.13E-06	1.47E-07
2644	471627.89	3818871.09	7.65E-06	3.21E-05	2.89E-06	6.37E-06	2.36E-05	2.08E-06	7.22E-07	4.13E-06	4.93E-07	6.57E-07	2.17E-06	1.49E-07
2645	471631.45	3818879.93	7.77E-06	3.26E-05	2.94E-06	6.47E-06	2.40E-05	2.11E-06	7.34E-07	4.20E-06	5.01E-07	6.67E-07	2.20E-06	1.52E-07
2646	471635.01	3818888.78	7.89E-06	3.31E-05	2.98E-06	6.57E-06	2.43E-05	2.14E-06	7.45E-07	4.27E-06	5.09E-07	6.77E-07	2.23E-06	1.54E-07
2647	471638.58	3818897.62	8.01E-06	3.36E-05	3.03E-06	6.67E-06	2.47E-05	2.17E-06	7.56E-07	4.33E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
2648	471642.14	3818906.47	8.13E-06	3.41E-05	3.07E-06	6.77E-06	2.51E-05	2.21E-06	7.68E-07	4.40E-06	5.24E-07	6.98E-07	2.30E-06	1.59E-07
2649	471645.7	3818915.31	8.25E-06	3.47E-05	3.12E-06	6.88E-06	2.55E-05	2.24E-06	7.80E-07	4.46E-06	5.32E-07	7.09E-07	2.34E-06	1.61E-07
2650	471649.26	3818924.16	8.38E-06	3.52E-05	3.17E-06	6.98E-06	2.58E-05	2.27E-06	7.91E-07	4.53E-06	5.40E-07	7.19E-07	2.37E-06	1.63E-07
2651	471652.82	3818933.01	8.50E-06	3.57E-05	3.21E-06	7.08E-06	2.62E-05	2.31E-06	8.03E-07	4.60E-06	5.48E-07	7.30E-07	2.41E-06	1.66E-07
2652	471659.94	3818950.7	8.75E-06	3.67E-05	3.31E-06	7.28E-06	2.70E-05	2.37E-06	8.26E-07	4.73E-06	5.64E-07	7.51E-07	2.48E-06	1.71E-07
2653	471663.5	3818959.54	8.87E-06	3.72E-05	3.35E-06	7.38E-06	2.74E-05	2.41E-06	8.37E-07	4.79E-06	5.72E-07	7.61E-07	2.51E-06	1.73E-07
2654	471667.06	3818968.39	8.99E-06	3.78E-05	3.40E-06	7.49E-06	2.77E-05	2.44E-06	8.49E-07	4.86E-06	5.80E-07	7.72E-07	2.55E-06	1.75E-07
2655	471670.62	3818977.23	9.11E-06	3.83E-05	3.45E-06	7.59E-06	2.81E-05	2.47E-06	8.60E-07	4.93E-06	5.88E-07	7.82E-07	2.58E-06	1.78E-07
2656	471674.19	3818986.08	9.24E-06	3.88E-05	3.49E-06	7.69E-06	2.85E-05	2.51E-06	8.72E-07	4.99E-06	5.96E-07	7.93E-07	2.61E-06	1.80E-07
2657	471677.75	3818994.92	9.36E-06	3.93E-05	3.54E-06	7.79E-06	2.89E-05	2.54E-06	8.84E-07	5.06E-06	6.04E-07	8.03E-07	2.65E-06	1.83E-07
2658	471681.31	3819003.77	9.48E-06	3.98E-05	3.58E-06	7.89E-06	2.92E-05	2.57E-06	8.95E-07	5.12E-06	6.11E-07	8.14E-07	2.68E-06	1.85E-07
2659	471684.87	3819012.61	9.60E-06	4.03E-05	3.63E-06	7.99E-06	2.96E-05	2.61E-06	9.06E-07	5.19E-06	6.19E-07	8.24E-07	2.72E-06	1.87E-07
2660	471688.43	3819021.46	9.71E-06	4.08E-05	3.67E-06	8.09E-06	3.00E-05	2.64E-06	9.17E-07	5.25E-06	6.26E-07	8.34E-07	2.75E-06	1.90E-07
2661	471691.99	3819030.3	9.83E-06	4.13E-05	3.72E-06	8.19E-06	3.03E-05	2.67E-06	9.29E-07	5.32E-06	6.34E-07	8.44E-07	2.78E-06	1.92E-07
2662	471702.67	3819056.84	1.02E-05	4.27E-05	3.85E-06	8.47E-06	3.14E-05	2.76E-06	9.60E-07	5.50E-06	6.56E-07	8.73E-07	2.88E-06	1.98E-07
2663	471706.23	3819065.68	1.03E-05	4.32E-05	3.89E-06	8.56E-06	3.17E-05	2.79E-06	9.71E-07	5.56E-06	6.63E-07	8.83E-07	2.91E-06	2.01E-07
2664	471709.79	3819074.53	1.04E-05	4.36E-05	3.93E-06	8.66E-06	3.21E-05	2.82E-06	9.81E-07	5.62E-06	6.70E-07	8.92E-07	2.94E-06	2.03E-07
2665	471713.36	3819083.37	1.05E-05	4.41E-05	3.97E-06	8.74E-06	3.24E-05	2.85E-06	9.91E-07	5.67E-06	6.77E-07	9.01E-07	2.97E-06	2.05E-07
2666	471716.92	3819092.22	1.06E-05	4.45E-05	4.01E-06	8.83E-06	3.27E-05	2.88E-06	1.00E-06	5.73E-06	6.84E-07	9.10E-07	3.00E-06	2.07E-07
2667	471720.48	3819101.06	1.07E-05	4.49E-05	4.05E-06	8.91E-06	3.30E-05	2.90E-06	1.01E-06	5.78E-06	6.90E-07	9.18E-07	3.03E-06	2.09E-07
2668	471724.04	3819109.91	1.08E-05	4.54E-05	4.08E-06	9.00E-06	3.33E-05	2.93E-06	1.02E-06	5.84E-06	6.97E-07	9.27E-07	3.06E-06	2.11E-07
2669	471727.6	3819118.75	1.09E-05	4.58E-05	4.12E-06	9.08E-06	3.36E-05	2.96E-06	1.03E-06	5.89E-06	7.03E-07	9.35E-07	3.08E-06	2.13E-07
2670	471731.16	3819127.6	1.10E-05	4.61E-05	4.16E-06	9.15E-06	3.39E-05	2.98E-06	1.04E-06	5.94E-06	7.09E-07	9.43E-07	3.11E-06	2.14E-07
2671	471741.84	3819154.13	1.13E-05	4.73E-05	4.26E-06	9.37E-06	3.47E-05	3.05E-06	1.06E-06	6.08E-06	7.26E-07	9.66E-07	3.19E-06	2.20E-07
2672	471745.4	3819162.98	1.13E-05	4.76E-05	4.28E-06	9.44E-06	3.50E-05	3.08E-06	1.07E-06	6.12E-06	7.31E-07	9.73E-07	3.21E-06	2.21E-07
2673	471748.97	3819171.82	1.14E-05	4.79E-05	4.31E-06	9.50E-06	3.52E-05	3.10E-06	1.08E-06	6.17E-06	7.36E-07	9.79E-07	3.23E-06	2.23E-07
2674	471752.53	3819180.67	1.15E-05	4.82E-05	4.34E-06	9.56E-06	3.54E-05	3.12E-06	1.08E-06	6.21E-06	7.41E-07	9.86E-07	3.25E-06	2.24E-07
2675	471756.09	3819189.51	1.16E-05	4.85E-05	4.37E-06	9.62E-06	3.57E-05	3.14E-06	1.09E-06	6.25E-06	7.45E-07	9.92E-07	3.27E-06	2.25E-07
2676	471759.65	3819198.36	1.16E-05	4.88E-05	4.40E-06	9.68E-06	3.59E-05	3.15E-06	1.10E-06	6.28E-06	7.50E-07	9.98E-07	3.29E-06	2.27E-07
2677	471763.21	3819207.21	1.17E-05	4.91E-05	4.42E-06	9.74E-06	3.61E-05	3.17E-06	1.10E-06	6.32E-06	7.54E-07	1.00E-06	3.31E-06	2.28E-07
2678	471766.77	3819216.05	1.17E-05	4.93E-05	4.44E-06	9.78E-06	3.63E-05	3.19E-06	1.11E-06	6.35E-06	7.58E-07	1.01E-06	3.33E-06	2.29E-07
2679	471770.33	3819224.9	1.18E-05	4.96E-05	4.47E-06	9.84E-06	3.64E-05	3.21E-06	1.12E-06	6.38E-06	7.62E-07	1.01E-06	3.34E-06	2.30E-07
2680	470302.24	3817738.72	6.81E-06	2.86E-05	2.58E-06	5.67E-06	2.10E-05	1.85E-06	6.43E-07	3.68E-06	4.39E-07	5.85E-07	1.93E-06	1.33E-07
2681	470292.68	3817738.58	6.91E-06	2.90E-05	2.61E-06	5.76E-06	2.13E-05	1.88E-06	6.53E-07	3.74E-06	4.46E-07	5.93E-07	1.96E-06	1.35E-07
2682	470283.12	3817738.45	7.00E-06	2.94E-05	2.65E-06	5.83E-06	2.16E-05	1.90E-06	6.61E-07	3.79E-06	4.52E-07	6.01E-07	1.98E-06	1.37E-07
2683	470273.56	3817738.31	7.10E-06	2.98E-05	2.69E-06	5.91E-06	2.19E-05	1.93E-06	6.71E-07	3.84E-06	4.58E-07	6.10E-07	2.01E-06	1.39E-07
2684	470264	3817738.18	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.04E-06	1.40E-07
2685	470254.43	3817738.04	7.29E-06	3.06E-05	2.76E-06	6.07E-06	2.25E-05	1.98E-06	6.88E-07	3.94E-06	4.70E-07	6.26E-07	2.06E-06	1.42E-07
2686	470244.87	3817737.91	7.38E-06	3.10E-05	2.79E-06	6.15E-06	2.28E-05	2.00E-06	6.97E-07	3.99E-06	4.76E-07	6.33E-07	2.09E-06	1.44E-07
2687	470235.31	3817737.77	7.47E-06	3.14E-05	2.83E-06	6.22E-06	2.31E-05	2.03E-06	7.05E-07	4.04E-06	4.82E-07	6.41E-07	2.11E-06	1.46E-07
2688	470225.75	3817737.64	7.56E-06	3.17E-05	2.86E-06	6.29E-06	2.33E-05	2.05E-06	7.14E-07	4.09E-06	4.87E-07	6.49E-07	2.14E-06	1.47E-07
2689	470216.18	3817737.5	7.64E-06	3.21E-05	2.89E-06	6.37E-06	2.36E-05	2.08E-06	7.22E-07	4.13E-06	4.93E-07	6.56E-07	2.16E-06	1.49E-07
2690	470206.62	3817737.37	7.72E-06	3.24E-05	2.92E-06	6.43E-06	2.38E-05	2.10E-06	7.29E-07	4.17E-06	4.98E-07	6.63E-07	2.19E-06	1.51E-07
2691	470197.06	3817737.23	7.79E-06	3.27E-05	2.95E-06	6.49E-06	2.40E-05	2.12E-06	7.36E-07	4.21E-06	5.03E-07	6.69E-07	2.21E-06	1.52E-07
2692	470187.5	3817737.1	7.86E-06	3.30E-05	2.97E-06	6.55E-06	2.43E-05	2.13E-06	7.42E-07	4.25E-06	5.07E-07	6.75E-07	2.22E-06	1.53E-07
2693	470177.94	3817736.96	7.92E-06	3.33E-05	2.99E-06	6.60E-06	2.44E-05	2.15E-06	7.48E-07	4.28E-06	5.11E-07	6.80E-07	2.24E-06	1.55E-07
2694	470168.37	3817736.83	7.97E-06	3.35E-05	3.01E-06	6.64E-06	2.46E-05	2.16E-06	7.53E-07	4.31E-06	5.14E-07	6.84E-07	2.26E-06	1.56E-07
2695	470158.81	3817736.69	8.02E-06	3.37E-05	3.03E-06	6.68E-06	2.47E-05	2.18E-06	7.57E-07	4.34E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
2696	470095.19	3819211.76	8.48E-04	3.56E-03	3.21E-04	7.07E-04	2.62E-03	2.30E-04	8.01E-05	4.59E-04	5.47E-05	7.28E-05	2.40E-04	1.66E-05
2697	470088.24	3819204.57	7.11E-04	2.99E-03	2.69E-04	5.92E-04	2.19E-03	1.93E-04	6.72E-05	3.85E-04	4.59E-05	6.11E-05	2.01E-04	1.39E-05

2698	470070.39	3819208.92	5.55E-04	2.33E-03	2.10E-04	4.62E-04	1.71E-03	1.51E-04	5.24E-05	3.00E-04	3.58E-05	4.76E-05	1.57E-04	1.08E-05
2699	470083.07	3819196.68	6.20E-04	2.60E-03	2.34E-04	5.16E-04	1.91E-03	1.68E-04	5.85E-05	3.35E-04	4.00E-05	5.32E-05	1.75E-04	1.21E-05
2700	470091.93	3819193.17	6.83E-04	2.87E-03	2.58E-04	5.69E-04	2.11E-03	1.85E-04	6.45E-05	3.69E-04	4.40E-05	5.86E-05	1.93E-04	1.33E-05
2701	470100.79	3819189.66	7.44E-04	3.12E-03	2.81E-04	6.20E-04	2.30E-03	2.02E-04	7.02E-05	4.02E-04	4.80E-05	6.39E-05	2.11E-04	1.45E-05
2702	470059.94	3819209.77	4.77E-04	2.00E-03	1.80E-04	3.97E-04	1.47E-03	1.29E-04	4.50E-05	2.58E-04	3.07E-05	4.09E-05	1.35E-04	9.30E-06
2703	470063.6	3819201.38	4.83E-04	2.03E-03	1.83E-04	4.02E-04	1.49E-03	1.31E-04	4.56E-05	2.61E-04	3.12E-05	4.15E-05	1.37E-04	9.43E-06
2704	470075.76	3819189.63	5.34E-04	2.24E-03	2.02E-04	4.45E-04	1.65E-03	1.45E-04	5.04E-05	2.89E-04	3.44E-05	4.58E-05	1.51E-04	1.04E-05
2705	470084.27	3819186.26	5.83E-04	2.45E-03	2.20E-04	4.85E-04	1.80E-03	1.58E-04	5.50E-05	3.15E-04	3.76E-05	5.00E-05	1.65E-04	1.14E-05
2706	470092.78	3819182.89	6.31E-04	2.65E-03	2.39E-04	5.25E-04	1.95E-03	1.71E-04	5.96E-05	3.41E-04	4.07E-05	5.41E-05	1.79E-04	1.23E-05
2707	470101.29	3819179.52	6.76E-04	2.84E-03	2.56E-04	5.63E-04	2.09E-03	1.84E-04	6.38E-05	3.65E-04	4.36E-05	5.80E-05	1.91E-04	1.32E-05
2708	470049.63	3819210.27	4.13E-04	1.73E-03	1.56E-04	3.44E-04	1.27E-03	1.12E-04	3.90E-05	2.23E-04	2.66E-05	3.54E-05	1.17E-04	8.05E-06
2709	470056.75	3819193.96	4.25E-04	1.79E-03	1.61E-04	3.54E-04	1.31E-03	1.15E-04	4.02E-05	2.30E-04	2.74E-05	3.65E-05	1.20E-04	8.30E-06
2710	470068.58	3819182.53	4.66E-04	1.96E-03	1.76E-04	3.88E-04	1.44E-03	1.27E-04	4.40E-05	2.52E-04	3.01E-05	4.00E-05	1.32E-04	9.09E-06
2711	470085.12	3819175.98	5.44E-04	2.28E-03	2.06E-04	4.53E-04	1.68E-03	1.48E-04	5.13E-05	2.94E-04	3.51E-05	4.67E-05	1.54E-04	1.06E-05
2712	470039.42	3819210.57	3.60E-04	1.51E-03	1.36E-04	2.99E-04	1.11E-03	9.76E-05	3.40E-05	1.94E-04	2.32E-05	3.09E-05	1.02E-04	7.02E-06
2713	470046.39	3819194.59	3.73E-04	1.57E-03	1.41E-04	3.11E-04	1.15E-03	1.01E-04	3.53E-05	2.02E-04	2.41E-05	3.21E-05	1.06E-04	7.29E-06
2714	470061.46	3819175.4	4.11E-04	1.73E-03	1.56E-04	3.42E-04	1.27E-03	1.12E-04	3.88E-05	2.22E-04	2.65E-05	3.53E-05	1.16E-04	8.02E-06
2715	470077.67	3819168.99	4.75E-04	1.99E-03	1.80E-04	3.95E-04	1.46E-03	1.29E-04	4.48E-05	2.57E-04	3.06E-05	4.08E-05	1.34E-04	9.26E-06
2716	470093.87	3819162.57	5.35E-04	2.25E-03	2.02E-04	4.46E-04	1.65E-03	1.45E-04	5.05E-05	2.89E-04	3.45E-05	4.59E-05	1.51E-04	1.04E-05
2717	470029.26	3819210.75	3.15E-04	1.32E-03	1.19E-04	2.63E-04	9.73E-04	8.56E-05	2.98E-05	1.70E-04	2.03E-05	2.71E-05	8.93E-05	6.15E-06
2718	470036.12	3819195.02	3.29E-04	1.38E-03	1.24E-04	2.74E-04	1.02E-03	8.93E-05	3.11E-05	1.78E-04	2.12E-05	2.82E-05	9.31E-05	6.42E-06
2719	470042.98	3819179.29	3.38E-04	1.42E-03	1.28E-04	2.82E-04	1.04E-03	9.18E-05	3.19E-05	1.83E-04	2.18E-05	2.90E-05	9.57E-05	6.60E-06
2720	470054.38	3819168.26	3.66E-04	1.54E-03	1.38E-04	3.05E-04	1.13E-03	9.93E-05	3.45E-05	1.98E-04	2.36E-05	3.14E-05	1.04E-04	7.14E-06
2721	470070.34	3819161.95	4.19E-04	1.76E-03	1.58E-04	3.49E-04	1.29E-03	1.14E-04	3.95E-05	2.26E-04	2.70E-05	3.59E-05	1.19E-04	8.17E-06
2722	470086.29	3819155.63	4.70E-04	1.97E-03	1.78E-04	3.91E-04	1.45E-03	1.28E-04	4.44E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.17E-06
2723	470020.4	3819207.92	2.81E-04	1.18E-03	1.06E-04	2.34E-04	8.66E-04	7.62E-05	2.65E-05	1.52E-04	1.81E-05	2.41E-05	7.95E-05	5.48E-06
2724	470024.21	3819199.19	2.88E-04	1.21E-03	1.09E-04	2.40E-04	8.89E-04	7.82E-05	2.72E-05	1.56E-04	1.86E-05	2.47E-05	8.16E-05	5.62E-06
2725	470028.02	3819190.45	2.95E-04	1.24E-03	1.11E-04	2.46E-04	9.10E-04	8.00E-05	2.78E-05	1.59E-04	1.90E-05	2.53E-05	8.34E-05	5.75E-06
2726	470031.83	3819181.71	3.00E-04	1.26E-03	1.14E-04	2.50E-04	9.26E-04	8.15E-05	2.83E-05	1.62E-04	1.94E-05	2.58E-05	8.49E-05	5.86E-06
2727	470035.65	3819172.97	3.04E-04	1.28E-03	1.15E-04	2.53E-04	9.38E-04	8.25E-05	2.87E-05	1.64E-04	1.96E-05	2.61E-05	8.61E-05	5.93E-06
2728	470048.32	3819160.72	3.30E-04	1.39E-03	1.25E-04	2.75E-04	1.02E-03	8.96E-05	3.12E-05	1.78E-04	2.13E-05	2.83E-05	9.34E-05	6.44E-06
2729	470057.18	3819157.21	3.55E-04	1.49E-03	1.34E-04	2.96E-04	1.10E-03	9.64E-05	3.35E-05	1.92E-04	2.29E-05	3.05E-05	1.00E-04	6.93E-06
2730	470066.05	3819153.7	3.80E-04	1.60E-03	1.44E-04	3.17E-04	1.17E-03	1.03E-04	3.59E-05	2.06E-04	2.45E-05	3.26E-05	1.08E-04	7.42E-06
2731	470074.91	3819150.19	4.05E-04	1.70E-03	1.53E-04	3.38E-04	1.25E-03	1.10E-04	3.83E-05	2.19E-04	2.61E-05	3.48E-05	1.15E-04	7.91E-06
2732	470083.77	3819146.68	4.29E-04	1.80E-03	1.62E-04	3.57E-04	1.32E-03	1.16E-04	4.05E-05	2.32E-04	2.77E-05	3.68E-05	1.21E-04	8.37E-06
2733	470092.64	3819143.17	4.50E-04	1.89E-03	1.70E-04	3.75E-04	1.39E-03	1.22E-04	4.25E-05	2.43E-04	2.90E-05	3.87E-05	1.27E-04	8.79E-06
2734	470101.5	3819139.66	4.69E-04	1.97E-03	1.77E-04	3.91E-04	1.45E-03	1.27E-04	4.43E-05	2.53E-04	3.02E-05	4.03E-05	1.33E-04	9.15E-06
2735	469999.95	3819208.57	2.21E-04	9.30E-04	8.37E-05	1.84E-04	6.83E-04	6.01E-05	2.09E-05	1.20E-04	1.43E-05	1.90E-05	6.27E-05	4.32E-06
2736	470003.61	3819200.18	2.28E-04	9.56E-04	8.61E-05	1.90E-04	7.03E-04	6.18E-05	2.15E-05	1.23E-04	1.47E-05	1.95E-05	6.45E-05	4.44E-06
2737	470007.27	3819191.79	2.34E-04	9.81E-04	8.84E-05	1.95E-04	7.21E-04	6.34E-05	2.21E-05	1.26E-04	1.51E-05	2.01E-05	6.62E-05	4.56E-06
2738	470010.92	3819183.41	2.39E-04	1.00E-03	9.04E-05	1.99E-04	7.38E-04	6.49E-05	2.26E-05	1.29E-04	1.54E-05	2.05E-05	6.77E-05	4.67E-06
2739	470014.58	3819175.02	2.44E-04	1.02E-03	9.22E-05	2.03E-04	7.53E-04	6.62E-05	2.30E-05	1.32E-04	1.57E-05	2.09E-05	6.90E-05	4.76E-06
2740	470018.24	3819166.63	2.48E-04	1.04E-03	9.37E-05	2.06E-04	7.64E-04	6.72E-05	2.34E-05	1.34E-04	1.60E-05	2.13E-05	7.01E-05	4.83E-06
2741	470021.9	3819158.24	2.50E-04	1.05E-03	9.45E-05	2.08E-04	7.71E-04	6.78E-05	2.36E-05	1.35E-04	1.61E-05	2.15E-05	7.07E-05	4.88E-06
2742	470034.07	3819146.48	2.68E-04	1.13E-03	1.01E-04	2.24E-04	8.28E-04	7.28E-05	2.53E-05	1.45E-04	1.73E-05	2.30E-05	7.60E-05	5.24E-06
2743	470042.58	3819143.11	2.86E-04	1.20E-03	1.08E-04	2.38E-04	8.83E-04	7.76E-05	2.70E-05	1.55E-04	1.84E-05	2.46E-05	8.10E-05	5.58E-06
2744	470051.08	3819139.74	3.04E-04	1.28E-03	1.15E-04	2.53E-04	9.38E-04	8.25E-05	2.87E-05	1.64E-04	1.96E-05	2.61E-05	8.60E-05	5.93E-06
2745	470059.59	3819136.37	3.22E-04	1.35E-03	1.22E-04	2.68E-04	9.94E-04	8.75E-05	3.04E-05	1.74E-04	2.08E-05	2.77E-05	9.12E-05	6.29E-06
2746	470068.1	3819133	3.40E-04	1.43E-03	1.29E-04	2.83E-04	1.05E-03	9.23E-05	3.21E-05	1.84E-04	2.19E-05	2.92E-05	9.63E-05	6.64E-06
2747	470076.61	3819129.63	3.57E-04	1.50E-03	1.35E-04	2.97E-04	1.10E-03	9.69E-05	3.37E-05	1.93E-04	2.30E-05	3.07E-05	1.01E-04	6.97E-06
2748	470085.12	3819126.26	3.72E-04	1.56E-03	1.41E-04	3.10E-04	1.15E-03	1.01E-04	3.52E-05	2.01E-04	2.40E-05	3.20E-05	1.05E-04	7.27E-06
2749	470093.63	3819122.89	3.86E-04	1.62E-03	1.46E-04	3.21E-04	1.19E-03	1.05E-04	3.64E-05	2.09E-04	2.49E-05	3.31E-05	1.09E-04	7.53E-06
2750	470102.14	3819119.52	3.98E-04	1.67E-03	1.50E-04	3.31E-04	1.23E-03	1.08E-04	3.76E-05	2.15E-04	2.56E-05	3.41E-05	1.13E-04	7.76E-06
2751	469979.65	3819208.87	1.78E-04	7.47E-04	6.73E-05	1.48E-04	5.49E-04	4.83E-05	1.68E-05	9.62E-05	1.15E-05	1.53E-05	5.03E-05	3.47E-06
2752	469986.76	3819192.56	1.88E-04	7.90E-04	7.11E-05	1.57E-04	5.80E-04	5.11E-05	1.78E-05	1.02E-04	1.21E-05	1.61E-05	5.32E-05	3.67E-06
2753	469993.88	3819176.25	1.98E-04	8.30E-04	7.47E-05	1.65E-04	6.10E-04	5.36E-05	1.87E-05	1.07E-04	1.27E-05	1.70E-05	5.59E-05	3.86E-06
2754	470000.99	3819159.94	2.05E-04	8.60E-04	7.74E-05	1.71E-04	6.32E-04	5.56E-05	1.93E-05	1.11E-04	1.32E-05	1.76E-05	5.80E-05	4.00E-06
2755	470008.1	3819143.63	2.09E-04	8.77E-04	7.90E-05	1.74E-04	6.44E-04	5.67E-05	1.97E-05	1.13E-04	1.35E-05	1.79E-05	5.91E-05	4.07E-06
2756	470019.93	3819132.19	2.23E-04	9.36E-04	8.43E-05	1.86E-04	6.88E-04	6.05E-05	2.11E-05	1.21E-04	1.44E-05	1.91E-05	6.31E-05	4.35E-06
2757	470036.48	3819125.64	2.50E-04	1.05E-03	9.45E-05	2.08E-04	7.71E-04	6.78E-05	2.36E-05	1.35E-04	1.61E-05	2.15E-05	7.07E-05	4.88E-06
2758	470053.02	3819119.09	2.77E-04	1.16E-03	1.05E-04	2.30E-04	8.54E-04	7.51E-05	2.61E-05	1.50E-04	1.78E-05	2.37E-05	7.83E-05	5.40E-06
2759	470069.56	3819112.54	3.02E-04	1.27E-03	1.14E-04	2.51E-04	9.31E-04	8.19E-05	2.85E-05	1.63E-04	1.95E-05	2.59E-05	8.54E-05	5.89E-06
2760	469960.24	3819207.13	1.46E-04	6.14E-04	5.53E-05	1.22E-04	4.51E-04	3.97E-05	1.38E-05	7.90E-05	9.42E-06	1.25E-05	4.14E-05	2.85E-06
2761	469963.99	3819198.52	1.51E-04	6.33E-04	5.70E-05	1.25E-04	4.65E-04	4.09E-05	1.42E-05	8.14E-05	9.71E-06	1.29E-05	4.26E-05	2.94E-06
2762	469967.74	3819189.92	1.55E-04	6.52E-04	5.87E-05	1.29E-04	4.79E-04	4.21E-05	1.47E-05	8.39E-05	1.00E-05	1.33E-05	4.39E-05	3.03E-06
2763	469971.5	3819181.31	1.60E-04	6.70E-04	6.04E-05	1.33E-04	4.93E-04	4.33E-05	1.51E-05	8.63E-05	1.03E-05	1.37E-05	4.52E-05	3.12E-06
2764	469975.25	3819172.71	1.64E-04	6.88E-04	6.20E-05	1.37E-04	5.06E-04	4.45E-05	1.55E-05	8.86E-05	1.06E-05	1.41E-05	4.64E-05	3.20E-06
2765	469979	3819164.11	1.68E-04	7.05E-04	6.35E-05	1.40E-04	5.18E-04	4.55E-05	1.58E-05	9.07E-05	1.08E-05	1.44E-05	4.75E-05	3.27E-06
2766	469982.75	3819155.5	1.71E-04	7.18E-04	6.46E-05	1.42E-04	5.27E-04	4.64E-05	1.61E-05	9.24E-05	1.10E-05	1.47E-05	4.84E-05	3.34E-06
2767	469986.5	3819146.9	1.74E-04	7.29E-04	6.56E-05	1.45E-04	5.35E-04	4.71E-05	1.64E-05	9.38E-05	1.12E-05	1.49E-05	4.91E-05	3.39E-06
2768	469990.26	3819138.3	1.76E-04	7.37E-04	6.64E-05	1.46E-04	5.42E-04	4.76E-05	1.66E-05	9.49E-05	1.13E-05	1.51E-05	4.97E-05	3.42E-06
2769	469994.01	3819129.69	1.77E-04	7.45E-04	6.71E-05	1.48E-04	5.47E-04	4.81E-05	1.67E-05	9.59E-05	1.14E-05	1.52E-05	5.02E-05	3.46E-06
2770	470006.49	3819117.63	1.90E-04	7.96E-04	7.17E-05	1.58E-04	5.85E-04	5.15E-05	1.79E-05	1.02E-04	1.22E-05	1.63E-05	5.37E-05	3.70E-06

2771	470015.21	3819114.18	2.01E-04	8.43E-04	7.59E-05	1.67E-04	6.20E-04	5.45E-05	1.90E-05	1.09E-04	1.29E-05	1.72E-05	5.68E-05	3.92E-06
2772	470058.85	3819096.89	2.55E-04	1.07E-03	9.64E-05	2.12E-04	7.87E-04	6.92E-05	2.41E-05	1.38E-04	1.64E-05	2.19E-05	7.22E-05	4.98E-06
2773	470067.57	3819093.44	2.65E-04	1.11E-03	1.00E-04	2.20E-04	8.16E-04	7.18E-05	2.50E-05	1.43E-04	1.71E-05	2.27E-05	7.49E-05	5.16E-06
2774	470076.3	3819089.98	2.73E-04	1.15E-03	1.03E-04	2.28E-04	8.43E-04	7.41E-05	2.58E-05	1.48E-04	1.76E-05	2.34E-05	7.73E-05	5.33E-06
2775	470085.03	3819086.52	2.81E-04	1.18E-03	1.06E-04	2.34E-04	8.67E-04	7.63E-05	2.65E-05	1.52E-04	1.81E-05	2.41E-05	7.95E-05	5.48E-06
2776	470093.76	3819083.07	2.87E-04	1.21E-03	1.09E-04	2.39E-04	8.87E-04	7.80E-05	2.71E-05	1.55E-04	1.85E-05	2.47E-05	8.14E-05	5.61E-06
2777	470102.48	3819079.61	2.93E-04	1.23E-03	1.11E-04	2.44E-04	9.03E-04	7.94E-05	2.76E-05	1.58E-04	1.89E-05	2.51E-05	8.28E-05	5.71E-06
2778	469939.96	3819207.37	1.21E-04	5.07E-04	4.57E-05	1.01E-04	3.73E-04	3.28E-05	1.14E-05	6.53E-05	7.79E-06	1.04E-05	3.42E-05	2.36E-06
2779	469943.62	3819198.98	1.24E-04	5.22E-04	4.70E-05	1.04E-04	3.84E-04	3.38E-05	1.17E-05	6.72E-05	8.02E-06	1.07E-05	3.52E-05	2.43E-06
2780	469947.28	3819190.59	1.28E-04	5.38E-04	4.85E-05	1.07E-04	3.95E-04	3.48E-05	1.21E-05	6.93E-05	8.26E-06	1.10E-05	3.63E-05	2.50E-06
2781	469950.94	3819182.2	1.32E-04	5.54E-04	4.99E-05	1.10E-04	4.07E-04	3.58E-05	1.25E-05	7.13E-05	8.51E-06	1.13E-05	3.73E-05	2.57E-06
2782	469954.59	3819173.82	1.36E-04	5.69E-04	5.13E-05	1.13E-04	4.18E-04	3.68E-05	1.28E-05	7.33E-05	8.74E-06	1.16E-05	3.84E-05	2.65E-06
2783	469958.25	3819165.43	1.39E-04	5.84E-04	5.26E-05	1.16E-04	4.29E-04	3.78E-05	1.31E-05	7.52E-05	8.97E-06	1.19E-05	3.94E-05	2.71E-06
2784	469961.91	3819157.04	1.42E-04	5.98E-04	5.39E-05	1.19E-04	4.40E-04	3.87E-05	1.35E-05	7.70E-05	9.19E-06	1.22E-05	4.03E-05	2.78E-06
2785	469965.57	3819148.65	1.45E-04	6.11E-04	5.50E-05	1.21E-04	4.49E-04	3.95E-05	1.37E-05	7.86E-05	9.38E-06	1.25E-05	4.12E-05	2.84E-06
2786	469969.23	3819140.26	1.48E-04	6.21E-04	5.59E-05	1.23E-04	4.56E-04	4.02E-05	1.40E-05	8.00E-05	9.54E-06	1.27E-05	4.19E-05	2.89E-06
2787	469972.89	3819131.87	1.50E-04	6.30E-04	5.67E-05	1.25E-04	4.63E-04	4.07E-05	1.42E-05	8.11E-05	9.67E-06	1.29E-05	4.25E-05	2.93E-06
2788	469976.54	3819123.48	1.52E-04	6.37E-04	5.74E-05	1.26E-04	4.68E-04	4.12E-05	1.43E-05	8.20E-05	9.78E-06	1.30E-05	4.29E-05	2.96E-06
2789	469980.2	3819115.1	1.53E-04	6.42E-04	5.79E-05	1.27E-04	4.72E-04	4.15E-05	1.44E-05	8.27E-05	9.87E-06	1.31E-05	4.33E-05	2.99E-06
2790	470009.39	3819096.6	1.80E-04	7.56E-04	6.81E-05	1.50E-04	5.56E-04	4.89E-05	1.70E-05	9.74E-05	1.16E-05	1.55E-05	5.10E-05	3.51E-06
2791	470017.9	3819093.23	1.89E-04	7.93E-04	7.14E-05	1.57E-04	5.83E-04	5.13E-05	1.78E-05	1.02E-04	1.22E-05	1.62E-05	5.35E-05	3.69E-06
2792	470026.4	3819089.86	1.98E-04	8.30E-04	7.47E-05	1.65E-04	6.10E-04	5.36E-05	1.87E-05	1.07E-04	1.27E-05	1.70E-05	5.59E-05	3.85E-06
2793	470034.91	3819086.49	2.06E-04	8.65E-04	7.79E-05	1.72E-04	6.36E-04	5.59E-05	1.95E-05	1.11E-04	1.33E-05	1.77E-05	5.83E-05	4.02E-06
2794	470043.42	3819083.12	2.14E-04	9.00E-04	8.10E-05	1.78E-04	6.61E-04	5.82E-05	2.02E-05	1.16E-04	1.38E-05	1.84E-05	6.06E-05	4.18E-06
2795	470051.93	3819079.75	2.22E-04	9.32E-04	8.40E-05	1.85E-04	6.85E-04	6.03E-05	2.10E-05	1.20E-04	1.43E-05	1.91E-05	6.28E-05	4.33E-06
2796	470060.44	3819076.38	2.29E-04	9.63E-04	8.67E-05	1.91E-04	7.08E-04	6.23E-05	2.17E-05	1.24E-04	1.48E-05	1.97E-05	6.49E-05	4.47E-06
2797	470068.95	3819073.01	2.36E-04	9.91E-04	8.93E-05	1.97E-04	7.28E-04	6.41E-05	2.23E-05	1.28E-04	1.52E-05	2.03E-05	6.68E-05	4.61E-06
2798	470077.46	3819069.64	2.42E-04	1.02E-03	9.15E-05	2.02E-04	7.47E-04	6.57E-05	2.29E-05	1.31E-04	1.56E-05	2.08E-05	6.85E-05	4.72E-06
2799	470085.97	3819066.27	2.47E-04	1.04E-03	9.35E-05	2.06E-04	7.63E-04	6.71E-05	2.33E-05	1.34E-04	1.59E-05	2.12E-05	7.00E-05	4.82E-06
2800	470094.47	3819062.9	2.51E-04	1.06E-03	9.51E-05	2.09E-04	7.76E-04	6.83E-05	2.37E-05	1.36E-04	1.62E-05	2.16E-05	7.12E-05	4.91E-06
2801	470102.98	3819059.53	2.55E-04	1.07E-03	9.63E-05	2.12E-04	7.86E-04	6.92E-05	2.41E-05	1.38E-04	1.64E-05	2.19E-05	7.21E-05	4.97E-06
2802	469920.42	3819205.92	1.02E-04	4.26E-04	3.84E-05	8.45E-05	3.13E-04	2.76E-05	9.58E-06	5.49E-05	6.55E-06	8.71E-06	2.87E-05	1.98E-06
2803	469924.23	3819197.18	1.05E-04	4.40E-04	3.96E-05	8.73E-05	3.23E-04	2.84E-05	9.89E-06	5.66E-05	6.76E-06	8.99E-06	2.97E-05	2.04E-06
2804	469928.04	3819188.45	1.08E-04	4.54E-04	4.08E-05	9.00E-05	3.33E-04	2.93E-05	1.02E-05	5.84E-05	6.97E-06	9.27E-06	3.06E-05	2.11E-06
2805	469931.85	3819179.71	1.11E-04	4.68E-04	4.21E-05	9.27E-05	3.44E-04	3.02E-05	1.05E-05	6.02E-05	7.18E-06	9.56E-06	3.15E-05	2.17E-06
2806	469935.67	3819170.97	1.15E-04	4.82E-04	4.34E-05	9.55E-05	3.54E-04	3.11E-05	1.08E-05	6.20E-05	7.40E-06	9.84E-06	3.25E-05	2.24E-06
2807	469939.48	3819162.23	1.18E-04	4.95E-04	4.46E-05	9.82E-05	3.64E-04	3.20E-05	1.11E-05	6.37E-05	7.60E-06	1.01E-05	3.34E-05	2.30E-06
2808	469943.29	3819153.49	1.21E-04	5.08E-04	4.58E-05	1.01E-04	3.73E-04	3.29E-05	1.14E-05	6.54E-05	7.81E-06	1.04E-05	3.43E-05	2.36E-06
2809	469947.1	3819144.75	1.24E-04	5.21E-04	4.69E-05	1.03E-04	3.82E-04	3.36E-05	1.17E-05	6.70E-05	7.99E-06	1.06E-05	3.51E-05	2.42E-06
2810	469950.91	3819136.02	1.27E-04	5.32E-04	4.79E-05	1.05E-04	3.91E-04	3.44E-05	1.20E-05	6.85E-05	8.17E-06	1.09E-05	3.58E-05	2.47E-06
2811	469954.72	3819127.28	1.29E-04	5.40E-04	4.87E-05	1.07E-04	3.97E-04	3.49E-05	1.22E-05	6.96E-05	8.30E-06	1.10E-05	3.64E-05	2.51E-06
2812	469958.53	3819118.54	1.30E-04	5.48E-04	4.93E-05	1.09E-04	4.03E-04	3.54E-05	1.23E-05	7.05E-05	8.41E-06	1.12E-05	3.69E-05	2.55E-06
2813	469978.83	3819088.82	1.41E-04	5.94E-04	5.35E-05	1.18E-04	4.36E-04	3.84E-05	1.34E-05	7.64E-05	9.12E-06	1.21E-05	4.00E-05	2.76E-06
2814	469987.69	3819085.3	1.49E-04	6.25E-04	5.63E-05	1.24E-04	4.59E-04	4.04E-05	1.41E-05	8.04E-05	9.60E-06	1.28E-05	4.21E-05	2.90E-06
2815	469996.55	3819081.79	1.56E-04	6.56E-04	5.91E-05	1.30E-04	4.82E-04	4.24E-05	1.48E-05	8.45E-05	1.01E-05	1.34E-05	4.42E-05	3.05E-06
2816	470005.42	3819078.28	1.64E-04	6.88E-04	6.19E-05	1.36E-04	5.05E-04	4.45E-05	1.55E-05	8.85E-05	1.06E-05	1.41E-05	4.64E-05	3.20E-06
2817	470014.28	3819074.77	1.71E-04	7.19E-04	6.47E-05	1.43E-04	5.28E-04	4.65E-05	1.62E-05	9.25E-05	1.10E-05	1.47E-05	4.84E-05	3.34E-06
2818	470023.14	3819071.26	1.78E-04	7.49E-04	6.74E-05	1.49E-04	5.50E-04	4.84E-05	1.68E-05	9.64E-05	1.15E-05	1.53E-05	5.05E-05	3.48E-06
2819	470032.01	3819067.75	1.85E-04	7.78E-04	7.01E-05	1.54E-04	5.72E-04	5.03E-05	1.75E-05	1.00E-04	1.20E-05	1.59E-05	5.25E-05	3.62E-06
2820	470040.87	3819064.24	1.92E-04	8.06E-04	7.26E-05	1.60E-04	5.93E-04	5.21E-05	1.81E-05	1.04E-04	1.24E-05	1.65E-05	5.44E-05	3.75E-06
2821	470049.73	3819060.73	1.98E-04	8.33E-04	7.50E-05	1.65E-04	6.12E-04	5.38E-05	1.87E-05	1.07E-04	1.28E-05	1.70E-05	5.61E-05	3.87E-06
2822	470058.59	3819057.22	2.04E-04	8.57E-04	7.72E-05	1.70E-04	6.30E-04	5.54E-05	1.93E-05	1.10E-04	1.32E-05	1.75E-05	5.78E-05	3.98E-06
2823	470067.46	3819053.71	2.09E-04	8.79E-04	7.92E-05	1.74E-04	6.46E-04	5.68E-05	1.98E-05	1.13E-04	1.35E-05	1.80E-05	5.93E-05	4.09E-06
2824	470076.32	3819050.2	2.14E-04	8.99E-04	8.09E-05	1.78E-04	6.60E-04	5.81E-05	2.02E-05	1.16E-04	1.38E-05	1.84E-05	6.06E-05	4.18E-06
2825	470085.18	3819046.69	2.18E-04	9.15E-04	8.24E-05	1.82E-04	6.73E-04	5.92E-05	2.06E-05	1.18E-04	1.41E-05	1.87E-05	6.17E-05	4.25E-06
2826	470094.05	3819043.18	2.21E-04	9.29E-04	8.36E-05	1.84E-04	6.82E-04	6.00E-05	2.09E-05	1.20E-04	1.43E-05	1.90E-05	6.26E-05	4.31E-06
2827	470102.91	3819039.67	2.23E-04	9.38E-04	8.45E-05	1.86E-04	6.90E-04	6.07E-05	2.11E-05	1.21E-04	1.44E-05	1.92E-05	6.32E-05	4.36E-06
2828	469900.17	3819206.1	8.56E-05	3.60E-04	3.24E-05	7.13E-05	2.64E-04	2.32E-05	8.09E-06	4.63E-05	5.52E-06	7.35E-06	2.42E-05	1.67E-06
2829	469903.9	3819197.56	8.85E-05	3.71E-04	3.35E-05	7.37E-05	2.73E-04	2.40E-05	8.35E-06	4.78E-05	5.71E-06	7.59E-06	2.50E-05	1.73E-06
2830	469907.62	3819189.02	9.10E-05	3.82E-04	3.44E-05	7.58E-05	2.81E-04	2.47E-05	8.59E-06	4.92E-05	5.87E-06	7.81E-06	2.57E-05	1.77E-06
2831	469911.35	3819180.47	9.35E-05	3.93E-04	3.54E-05	7.79E-05	2.89E-04	2.54E-05	8.83E-06	5.06E-05	6.03E-06	8.03E-06	2.65E-05	1.83E-06
2832	469915.08	3819171.93	9.62E-05	4.04E-04	3.64E-05	8.02E-05	2.97E-04	2.61E-05	9.09E-06	5.20E-05	6.21E-06	8.26E-06	2.72E-05	1.88E-06
2833	469918.8	3819163.38	9.90E-05	4.16E-04	3.75E-05	8.25E-05	3.06E-04	2.69E-05	9.35E-06	5.35E-05	6.39E-06	8.50E-06	2.80E-05	1.93E-06
2834	469922.53	3819154.84	1.02E-04	4.28E-04	3.85E-05	8.49E-05	3.14E-04	2.77E-05	9.62E-06	5.51E-05	6.57E-06	8.75E-06	2.88E-05	1.99E-06
2835	469926.26	3819146.3	1.05E-04	4.40E-04	3.96E-05	8.72E-05	3.23E-04	2.84E-05	9.89E-06	5.66E-05	6.75E-06	8.99E-06	2.96E-05	2.04E-06
2836	469929.98	3819137.75	1.07E-04	4.51E-04	4.06E-05	8.94E-05	3.31E-04	2.91E-05	1.01E-05	5.80E-05	6.92E-06	9.21E-06	3.04E-05	2.09E-06
2837	469933.71	3819129.21	1.09E-04	4.60E-04	4.14E-05	9.12E-05	3.38E-04	2.97E-05	1.03E-05	5.92E-05	7.06E-06	9.40E-06	3.10E-05	2.14E-06
2838	469937.43	3819120.66	1.11E-04	4.68E-04	4.21E-05	9.27E-05	3.44E-04	3.02E-05	1.05E-05	6.02E-05	7.18E-06	9.56E-06	3.15E-05	2.17E-06
2839	469941.16	3819112.12	1.13E-04	4.75E-04	4.27E-05	9.41E-05	3.49E-04	3.07E-05	1.07E-05	6.11E-05	7.29E-06	9.70E-06	3.20E-05	2.20E-06
2840	469948.61	3819095.03	1.16E-04	4.87E-04	4.38E-05	9.65E-05	3.58E-04	3.15E-05	1.09E-05	6.26E-05	7.47E-06	9.95E-06	3.28E-05	2.26E-06
2841	469952.34	3819086.49	1.17E-04	4.91E-04	4.42E-05	9.74E-05	3.61E-04	3.18E-05	1.10E-05	6.32E-05	7.54E-06	1.00E-05	3.31E-05	2.28E-06
2842	469964.73	3819074.51	1.24E-04	5.19E-04	4.68E-05	1.03E-04	3.82E-04	3.36E-05	1.17E-05	6.69E-05	7.98E-06	1.06E-05	3.50E-05	2.41E-06
2843	469973.4	3819071.08	1.30E-04	5.45E-04	4.91E-05	1.08E-04	4.00E-04	3.52E-05	1.22E-05	7.01E-05	8.37E-06	1.11E-05	3.67E-05	2.53E-06

2844	469982.06	3819067.65	1.36E-04	5.70E-04	5.13E-05	1.13E-04	4.19E-04	3.69E-05	1.28E-05	7.34E-05	8.76E-06	1.17E-05	3.84E-05	2.65E-06
2845	469990.73	3819064.21	1.42E-04	5.95E-04	5.36E-05	1.18E-04	4.38E-04	3.85E-05	1.34E-05	7.67E-05	9.15E-06	1.22E-05	4.01E-05	2.77E-06
2846	469999.4	3819060.78	1.48E-04	6.21E-04	5.59E-05	1.23E-04	4.56E-04	4.01E-05	1.40E-05	7.99E-05	9.53E-06	1.27E-05	4.18E-05	2.88E-06
2847	470008.06	3819057.35	1.54E-04	6.45E-04	5.81E-05	1.28E-04	4.74E-04	4.17E-05	1.45E-05	8.31E-05	9.91E-06	1.32E-05	4.35E-05	3.00E-06
2848	470016.73	3819053.92	1.59E-04	6.69E-04	6.03E-05	1.33E-04	4.92E-04	4.33E-05	1.51E-05	8.62E-05	1.03E-05	1.37E-05	4.51E-05	3.11E-06
2849	470025.39	3819050.49	1.65E-04	6.93E-04	6.24E-05	1.37E-04	5.09E-04	4.48E-05	1.56E-05	8.92E-05	1.06E-05	1.42E-05	4.67E-05	3.22E-06
2850	470034.06	3819047.05	1.70E-04	7.15E-04	6.44E-05	1.42E-04	5.25E-04	4.62E-05	1.61E-05	9.20E-05	1.10E-05	1.46E-05	4.82E-05	3.32E-06
2851	470042.73	3819043.62	1.75E-04	7.36E-04	6.63E-05	1.46E-04	5.41E-04	4.76E-05	1.65E-05	9.47E-05	1.13E-05	1.50E-05	4.96E-05	3.42E-06
2852	470051.39	3819040.19	1.80E-04	7.55E-04	6.80E-05	1.50E-04	5.55E-04	4.88E-05	1.70E-05	9.72E-05	1.16E-05	1.54E-05	5.09E-05	3.51E-06
2853	470060.06	3819036.76	1.84E-04	7.73E-04	6.96E-05	1.53E-04	5.68E-04	5.00E-05	1.74E-05	9.95E-05	1.19E-05	1.58E-05	5.21E-05	3.59E-06
2854	470068.72	3819033.32	1.88E-04	7.89E-04	7.10E-05	1.56E-04	5.80E-04	5.10E-05	1.77E-05	1.02E-04	1.21E-05	1.61E-05	5.32E-05	3.67E-06
2855	470077.39	3819029.89	1.91E-04	8.03E-04	7.23E-05	1.59E-04	5.90E-04	5.19E-05	1.80E-05	1.03E-04	1.23E-05	1.64E-05	5.41E-05	3.73E-06
2856	470086.06	3819026.46	1.94E-04	8.14E-04	7.33E-05	1.61E-04	5.98E-04	5.26E-05	1.83E-05	1.05E-04	1.25E-05	1.66E-05	5.49E-05	3.78E-06
2857	470094.72	3819023.03	1.96E-04	8.23E-04	7.41E-05	1.63E-04	6.05E-04	5.32E-05	1.85E-05	1.06E-04	1.26E-05	1.68E-05	5.55E-05	3.82E-06
2858	470103.39	3819019.59	1.97E-04	8.29E-04	7.47E-05	1.64E-04	6.09E-04	5.36E-05	1.86E-05	1.07E-04	1.27E-05	1.69E-05	5.59E-05	3.85E-06
2859	469880.55	3819204.85	7.32E-05	3.07E-04	2.77E-05	6.10E-05	2.26E-04	1.99E-05	6.91E-06	3.96E-05	4.72E-06	6.28E-06	2.07E-05	1.43E-06
2860	469884.4	3819196.01	7.55E-05	3.17E-04	2.86E-05	6.29E-05	2.33E-04	2.05E-05	7.13E-06	4.08E-05	4.87E-06	6.48E-06	2.14E-05	1.47E-06
2861	469888.25	3819187.18	7.78E-05	3.27E-04	2.94E-05	6.48E-05	2.40E-04	2.11E-05	7.34E-06	4.20E-05	5.02E-06	6.68E-06	2.20E-05	1.52E-06
2862	469892.1	3819178.35	8.00E-05	3.36E-04	3.03E-05	6.67E-05	2.47E-04	2.17E-05	7.56E-06	4.33E-05	5.16E-06	6.87E-06	2.27E-05	1.56E-06
2863	469895.95	3819169.52	8.23E-05	3.46E-04	3.11E-05	6.86E-05	2.54E-04	2.23E-05	7.77E-06	4.45E-05	5.31E-06	7.07E-06	2.33E-05	1.61E-06
2864	469899.81	3819160.69	8.47E-05	3.56E-04	3.20E-05	7.06E-05	2.61E-04	2.30E-05	8.00E-06	4.58E-05	5.47E-06	7.27E-06	2.40E-05	1.65E-06
2865	469903.66	3819151.86	8.73E-05	3.67E-04	3.30E-05	7.27E-05	2.69E-04	2.37E-05	8.25E-06	4.72E-05	5.63E-06	7.50E-06	2.47E-05	1.70E-06
2866	469907.51	3819143.03	8.98E-05	3.77E-04	3.40E-05	7.48E-05	2.77E-04	2.44E-05	8.48E-06	4.86E-05	5.79E-06	7.71E-06	2.54E-05	1.75E-06
2867	469911.36	3819134.2	9.23E-05	3.88E-04	3.49E-05	7.69E-05	2.85E-04	2.50E-05	8.71E-06	4.99E-05	5.95E-06	7.92E-06	2.61E-05	1.80E-06
2868	469915.21	3819125.37	9.45E-05	3.97E-04	3.57E-05	7.87E-05	2.92E-04	2.56E-05	8.92E-06	5.11E-05	6.09E-06	8.11E-06	2.67E-05	1.84E-06
2869	469919.06	3819116.54	9.65E-05	4.05E-04	3.65E-05	8.03E-05	2.98E-04	2.62E-05	9.11E-06	5.21E-05	6.22E-06	8.28E-06	2.73E-05	1.88E-06
2870	469930.61	3819090.05	1.01E-04	4.26E-04	3.83E-05	8.44E-05	3.13E-04	2.75E-05	9.57E-06	5.48E-05	6.54E-06	8.70E-06	2.87E-05	1.98E-06
2871	469934.46	3819081.22	1.03E-04	4.31E-04	3.88E-05	8.54E-05	3.17E-04	2.78E-05	9.69E-06	5.54E-05	6.62E-06	8.81E-06	2.90E-05	2.00E-06
2872	469938.31	3819072.39	1.04E-04	4.35E-04	3.92E-05	8.62E-05	3.20E-04	2.81E-05	9.78E-06	5.60E-05	6.68E-06	8.89E-06	2.93E-05	2.02E-06
2873	469951.12	3819060.02	1.09E-04	4.59E-04	4.14E-05	9.11E-05	3.38E-04	2.97E-05	1.03E-05	5.91E-05	7.06E-06	9.39E-06	3.10E-05	2.13E-06
2874	469960.08	3819056.47	1.15E-04	4.81E-04	4.33E-05	9.55E-05	3.54E-04	3.11E-05	1.08E-05	6.20E-05	7.39E-06	9.84E-06	3.24E-05	2.24E-06
2875	469969.03	3819052.92	1.20E-04	5.03E-04	4.53E-05	9.98E-05	3.70E-04	3.25E-05	1.13E-05	6.48E-05	7.73E-06	1.03E-05	3.39E-05	2.34E-06
2876	469977.99	3819049.37	1.25E-04	5.25E-04	4.73E-05	1.04E-04	3.86E-04	3.39E-05	1.18E-05	6.76E-05	8.07E-06	1.07E-05	3.54E-05	2.44E-06
2877	469986.95	3819045.83	1.30E-04	5.47E-04	4.92E-05	1.08E-04	4.02E-04	3.53E-05	1.23E-05	7.04E-05	8.40E-06	1.12E-05	3.69E-05	2.54E-06
2878	469995.9	3819042.28	1.35E-04	5.68E-04	5.11E-05	1.13E-04	4.17E-04	3.67E-05	1.28E-05	7.31E-05	8.72E-06	1.16E-05	3.83E-05	2.64E-06
2879	470004.86	3819038.73	1.40E-04	5.89E-04	5.30E-05	1.17E-04	4.33E-04	3.80E-05	1.32E-05	7.58E-05	9.04E-06	1.20E-05	3.97E-05	2.74E-06
2880	470013.82	3819035.18	1.45E-04	6.09E-04	5.48E-05	1.21E-04	4.47E-04	3.94E-05	1.37E-05	7.84E-05	9.35E-06	1.24E-05	4.10E-05	2.83E-06
2881	470022.77	3819031.64	1.50E-04	6.29E-04	5.66E-05	1.25E-04	4.62E-04	4.06E-05	1.41E-05	8.09E-05	9.65E-06	1.28E-05	4.24E-05	2.92E-06
2882	470031.73	3819028.09	1.54E-04	6.47E-04	5.83E-05	1.28E-04	4.75E-04	4.18E-05	1.45E-05	8.33E-05	9.94E-06	1.32E-05	4.36E-05	3.01E-06
2883	470040.69	3819024.54	1.58E-04	6.64E-04	5.98E-05	1.32E-04	4.88E-04	4.29E-05	1.49E-05	8.55E-05	1.02E-05	1.36E-05	4.48E-05	3.09E-06
2884	470049.64	3819021	1.62E-04	6.80E-04	6.12E-05	1.35E-04	5.00E-04	4.39E-05	1.53E-05	8.75E-05	1.04E-05	1.39E-05	4.58E-05	3.16E-06
2885	470058.6	3819017.45	1.65E-04	6.94E-04	6.25E-05	1.38E-04	5.10E-04	4.49E-05	1.56E-05	8.94E-05	1.07E-05	1.42E-05	4.68E-05	3.23E-06
2886	470067.56	3819013.9	1.68E-04	7.07E-04	6.36E-05	1.40E-04	5.19E-04	4.57E-05	1.59E-05	9.10E-05	1.09E-05	1.44E-05	4.76E-05	3.28E-06
2887	470076.51	3819010.35	1.71E-04	7.17E-04	6.46E-05	1.42E-04	5.27E-04	4.64E-05	1.61E-05	9.23E-05	1.10E-05	1.47E-05	4.84E-05	3.33E-06
2888	470085.47	3819006.81	1.73E-04	7.26E-04	6.54E-05	1.44E-04	5.34E-04	4.69E-05	1.63E-05	9.35E-05	1.12E-05	1.48E-05	4.89E-05	3.37E-06
2889	470094.43	3819003.26	1.74E-04	7.33E-04	6.60E-05	1.45E-04	5.38E-04	4.74E-05	1.65E-05	9.43E-05	1.13E-05	1.50E-05	4.94E-05	3.40E-06
2890	470103.38	3818999.71	1.75E-04	7.37E-04	6.63E-05	1.46E-04	5.41E-04	4.76E-05	1.66E-05	9.48E-05	1.13E-05	1.51E-05	4.97E-05	3.42E-06
2891	469860.33	3819204.97	6.30E-05	2.64E-04	2.38E-05	5.25E-05	1.94E-04	1.71E-05	5.95E-06	3.40E-05	4.06E-06	5.41E-06	1.78E-05	1.23E-06
2892	469864.1	3819196.32	6.47E-05	2.72E-04	2.45E-05	5.39E-05	2.00E-04	1.76E-05	6.11E-06	3.50E-05	4.17E-06	5.55E-06	1.83E-05	1.26E-06
2893	469867.87	3819187.66	6.66E-05	2.80E-04	2.52E-05	5.54E-05	2.05E-04	1.81E-05	6.28E-06	3.60E-05	4.29E-06	5.71E-06	1.88E-05	1.30E-06
2894	469871.65	3819179.01	6.85E-05	2.88E-04	2.59E-05	5.71E-05	2.11E-04	1.86E-05	6.47E-06	3.70E-05	4.42E-06	5.88E-06	1.94E-05	1.34E-06
2895	469875.42	3819170.35	7.06E-05	2.96E-04	2.67E-05	5.88E-05	2.18E-04	1.92E-05	6.66E-06	3.81E-05	4.55E-06	6.06E-06	2.00E-05	1.38E-06
2896	469879.2	3819161.7	7.26E-05	3.05E-04	2.75E-05	6.05E-05	2.24E-04	1.97E-05	6.86E-06	3.93E-05	4.68E-06	6.23E-06	2.06E-05	1.42E-06
2897	469882.97	3819153.04	7.47E-05	3.14E-04	2.83E-05	6.22E-05	2.31E-04	2.03E-05	7.06E-06	4.04E-05	4.82E-06	6.41E-06	2.11E-05	1.46E-06
2898	469886.75	3819144.39	7.68E-05	3.23E-04	2.91E-05	6.40E-05	2.37E-04	2.09E-05	7.25E-06	4.15E-05	4.96E-06	6.60E-06	2.17E-05	1.50E-06
2899	469890.52	3819135.73	7.89E-05	3.31E-04	2.98E-05	6.57E-05	2.43E-04	2.14E-05	7.45E-06	4.27E-05	5.09E-06	6.77E-06	2.23E-05	1.54E-06
2900	469894.3	3819127.08	8.09E-05	3.40E-04	3.06E-05	6.74E-05	2.50E-04	2.20E-05	7.64E-06	4.37E-05	5.22E-06	6.95E-06	2.29E-05	1.58E-06
2901	469898.07	3819118.42	8.29E-05	3.48E-04	3.13E-05	6.90E-05	2.56E-04	2.25E-05	7.82E-06	4.48E-05	5.34E-06	7.11E-06	2.35E-05	1.62E-06
2902	469901.85	3819109.77	8.47E-05	3.56E-04	3.20E-05	7.05E-05	2.61E-04	2.30E-05	8.00E-06	4.58E-05	5.46E-06	7.27E-06	2.40E-05	1.65E-06
2903	469909.39	3819092.46	8.79E-05	3.69E-04	3.33E-05	7.32E-05	2.71E-04	2.39E-05	8.30E-06	4.75E-05	5.67E-06	7.55E-06	2.49E-05	1.72E-06
2904	469913.17	3819083.8	8.93E-05	3.75E-04	3.38E-05	7.44E-05	2.76E-04	2.42E-05	8.43E-06	4.83E-05	5.76E-06	7.67E-06	2.53E-05	1.74E-06
2905	469916.94	3819075.15	9.05E-05	3.80E-04	3.42E-05	7.54E-05	2.79E-04	2.46E-05	8.55E-06	4.89E-05	5.84E-06	7.77E-06	2.56E-05	1.77E-06
2906	469920.72	3819066.49	9.15E-05	3.84E-04	3.46E-05	7.62E-05	2.82E-04	2.48E-05	8.64E-06	4.95E-05	5.90E-06	7.86E-06	2.59E-05	1.79E-06
2907	469924.49	3819057.84	9.23E-05	3.88E-04	3.49E-05	7.69E-05	2.85E-04	2.51E-05	8.72E-06	4.99E-05	5.96E-06	7.93E-06	2.61E-05	1.80E-06
2908	469937.05	3819045.7	9.72E-05	4.08E-04	3.68E-05	8.10E-05	3.00E-04	2.64E-05	9.18E-06	5.25E-05	6.27E-06	8.34E-06	2.75E-05	1.90E-06
2909	469945.82	3819042.23	1.02E-04	4.26E-04	3.84E-05	8.46E-05	3.13E-04	2.76E-05	9.59E-06	5.49E-05	6.55E-06	8.71E-06	2.87E-05	1.98E-06
2910	469954.6	3819038.75	1.06E-04	4.44E-04	4.00E-05	8.82E-05	3.27E-04	2.87E-05	9.99E-06	5.72E-05	6.83E-06	9.09E-06	3.00E-05	2.07E-06
2911	469963.38	3819035.27	1.10E-04	4.63E-04	4.17E-05	9.17E-05	3.40E-04	2.99E-05	1.04E-05	5.95E-05	7.10E-06	9.46E-06	3.12E-05	2.15E-06
2912	469972.16	3819031.8	1.14E-04	4.80E-04	4.32E-05	9.52E-05	3.53E-04	3.10E-05	1.08E-05	6.18E-05	7.37E-06	9.81E-06	3.24E-05	2.23E-06
2913	469980.94	3819028.32	1.18E-04	4.97E-04	4.48E-05	9.86E-05	3.65E-04	3.21E-05	1.12E-05	6.40E-05	7.64E-06	1.02E-05	3.35E-05	2.31E-06
2914	469989.72	3819024.84	1.22E-04	5.14E-04	4.63E-05	1.02E-04	3.78E-04	3.32E-05	1.16E-05	6.61E-05	7.89E-06	1.05E-05	3.46E-05	2.39E-06
2915	469998.5	3819021.37	1.26E-04	5.31E-04	4.78E-05	1.05E-04	3.90E-04	3.43E-05	1.19E-05	6.84E-05	8.16E-06	1.09E-05	3.58E-05	2.47E-06
2916	470007.28	3819017.89	1.30E-04	5.48E-04	4.93E-05	1.09E-04	4.03E-04	3.54E-05	1.23E-05	7.05E-05	8.42E-06	1.12E-05	3.69E-05	2.55E-06

2917	470016.05	3819014.41	1.34E-04	5.64E-04	5.08E-05	1.12E-04	4.15E-04	3.65E-05	1.27E-05	7.27E-05	8.67E-06	1.15E-05	3.80E-05	2.62E-06
2918	470024.83	3819010.94	1.38E-04	5.80E-04	5.22E-05	1.15E-04	4.26E-04	3.75E-05	1.30E-05	7.46E-05	8.90E-06	1.19E-05	3.91E-05	2.69E-06
2919	470033.61	3819007.46	1.41E-04	5.94E-04	5.35E-05	1.18E-04	4.36E-04	3.84E-05	1.34E-05	7.64E-05	9.12E-06	1.21E-05	4.00E-05	2.76E-06
2920	470042.39	3819003.98	1.44E-04	6.07E-04	5.46E-05	1.20E-04	4.46E-04	3.92E-05	1.36E-05	7.81E-05	9.32E-06	1.24E-05	4.09E-05	2.82E-06
2921	470051.17	3819000.5	1.47E-04	6.18E-04	5.57E-05	1.23E-04	4.54E-04	4.00E-05	1.39E-05	7.96E-05	9.50E-06	1.26E-05	4.17E-05	2.87E-06
2922	470059.95	3818997.03	1.50E-04	6.29E-04	5.67E-05	1.25E-04	4.62E-04	4.07E-05	1.41E-05	8.10E-05	9.66E-06	1.29E-05	4.24E-05	2.92E-06
2923	469840.14	3819205	5.48E-05	2.30E-04	2.07E-05	4.57E-05	1.69E-04	1.49E-05	5.18E-06	2.96E-05	3.54E-06	4.71E-06	1.55E-05	1.07E-06
2924	469843.85	3819196.49	5.62E-05	2.36E-04	2.13E-05	4.68E-05	1.73E-04	1.53E-05	5.31E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
2925	469847.56	3819187.98	5.77E-05	2.42E-04	2.18E-05	4.81E-05	1.78E-04	1.57E-05	5.45E-06	3.12E-05	3.72E-06	4.96E-06	1.63E-05	1.13E-06
2926	469851.27	3819179.47	5.93E-05	2.49E-04	2.24E-05	4.94E-05	1.83E-04	1.61E-05	5.60E-06	3.21E-05	3.83E-06	5.09E-06	1.68E-05	1.16E-06
2927	469854.99	3819170.96	6.10E-05	2.56E-04	2.31E-05	5.08E-05	1.88E-04	1.66E-05	5.76E-06	3.30E-05	3.93E-06	5.24E-06	1.73E-05	1.19E-06
2928	469858.7	3819162.45	6.27E-05	2.63E-04	2.37E-05	5.23E-05	1.94E-04	1.70E-05	5.92E-06	3.39E-05	4.05E-06	5.39E-06	1.78E-05	1.22E-06
2929	469862.41	3819153.94	6.45E-05	2.71E-04	2.44E-05	5.37E-05	1.99E-04	1.75E-05	6.09E-06	3.49E-05	4.16E-06	5.54E-06	1.83E-05	1.26E-06
2930	469866.12	3819145.43	6.63E-05	2.79E-04	2.51E-05	5.52E-05	2.05E-04	1.80E-05	6.26E-06	3.59E-05	4.28E-06	5.69E-06	1.88E-05	1.29E-06
2931	469869.83	3819136.92	6.81E-05	2.86E-04	2.58E-05	5.67E-05	2.10E-04	1.85E-05	6.43E-06	3.68E-05	4.39E-06	5.85E-06	1.93E-05	1.33E-06
2932	469873.54	3819128.41	6.99E-05	2.94E-04	2.64E-05	5.82E-05	2.16E-04	1.90E-05	6.60E-06	3.78E-05	4.51E-06	6.00E-06	1.98E-05	1.36E-06
2933	469877.25	3819119.9	7.17E-05	3.01E-04	2.71E-05	5.97E-05	2.21E-04	1.95E-05	6.77E-06	3.87E-05	4.62E-06	6.15E-06	2.03E-05	1.40E-06
2934	469880.97	3819111.39	7.34E-05	3.08E-04	2.77E-05	6.11E-05	2.26E-04	1.99E-05	6.93E-06	3.97E-05	4.73E-06	6.30E-06	2.08E-05	1.43E-06
2935	469888.39	3819094.37	7.65E-05	3.21E-04	2.89E-05	6.37E-05	2.36E-04	2.08E-05	7.22E-06	4.13E-05	4.93E-06	6.57E-06	2.16E-05	1.49E-06
2936	469892.1	3819085.86	7.79E-05	3.27E-04	2.95E-05	6.49E-05	2.40E-04	2.11E-05	7.36E-06	4.21E-05	5.02E-06	6.69E-06	2.20E-05	1.52E-06
2937	469895.81	3819077.35	7.92E-05	3.32E-04	2.99E-05	6.59E-05	2.44E-04	2.15E-05	7.48E-06	4.28E-05	5.11E-06	6.80E-06	2.24E-05	1.54E-06
2938	469899.52	3819068.84	8.03E-05	3.37E-04	3.04E-05	6.69E-05	2.48E-04	2.18E-05	7.58E-06	4.34E-05	5.18E-06	6.89E-06	2.27E-05	1.57E-06
2939	469903.23	3819060.33	8.13E-05	3.41E-04	3.08E-05	6.77E-05	2.51E-04	2.21E-05	7.68E-06	4.40E-05	5.24E-06	6.98E-06	2.30E-05	1.59E-06
2940	469906.95	3819051.82	8.22E-05	3.45E-04	3.11E-05	6.84E-05	2.54E-04	2.23E-05	7.76E-06	4.44E-05	5.30E-06	7.05E-06	2.33E-05	1.60E-06
2941	469910.66	3819043.31	8.28E-05	3.48E-04	3.13E-05	6.90E-05	2.56E-04	2.25E-05	7.82E-06	4.48E-05	5.34E-06	7.11E-06	2.34E-05	1.62E-06
2942	469923	3819031.38	8.69E-05	3.65E-04	3.29E-05	7.24E-05	2.68E-04	2.36E-05	8.21E-06	4.70E-05	5.61E-06	7.46E-06	2.46E-05	1.70E-06
2943	469931.63	3819027.96	9.05E-05	3.80E-04	3.42E-05	7.54E-05	2.79E-04	2.46E-05	8.55E-06	4.89E-05	5.84E-06	7.77E-06	2.56E-05	1.77E-06
2944	469940.26	3819024.54	9.42E-05	3.96E-04	3.56E-05	7.84E-05	2.91E-04	2.56E-05	8.89E-06	5.09E-05	6.07E-06	8.08E-06	2.67E-05	1.84E-06
2945	469948.9	3819021.12	9.78E-05	4.11E-04	3.70E-05	8.15E-05	3.02E-04	2.66E-05	9.24E-06	5.29E-05	6.31E-06	8.40E-06	2.77E-05	1.91E-06
2946	469957.53	3819017.71	1.01E-04	4.26E-04	3.84E-05	8.45E-05	3.13E-04	2.75E-05	9.58E-06	5.48E-05	6.54E-06	8.71E-06	2.87E-05	1.98E-06
2947	469966.16	3819014.29	1.05E-04	4.40E-04	3.96E-05	8.73E-05	3.23E-04	2.85E-05	9.90E-06	5.67E-05	6.76E-06	9.00E-06	2.97E-05	2.05E-06
2948	469974.79	3819010.87	1.08E-04	4.54E-04	4.09E-05	9.00E-05	3.34E-04	2.93E-05	1.02E-05	5.84E-05	6.97E-06	9.28E-06	3.06E-05	2.11E-06
2949	469983.42	3819007.45	1.11E-04	4.68E-04	4.21E-05	9.27E-05	3.44E-04	3.02E-05	1.05E-05	6.02E-05	7.18E-06	9.56E-06	3.15E-05	2.17E-06
2950	469992.06	3819004.03	1.15E-04	4.81E-04	4.33E-05	9.55E-05	3.54E-04	3.11E-05	1.08E-05	6.20E-05	7.39E-06	9.84E-06	3.24E-05	2.24E-06
2951	470000.69	3819000.61	1.18E-04	4.96E-04	4.46E-05	9.83E-05	3.64E-04	3.20E-05	1.11E-05	6.38E-05	7.61E-06	1.01E-05	3.34E-05	2.30E-06
2952	470009.32	3818997.19	1.21E-04	5.09E-04	4.59E-05	1.01E-04	3.74E-04	3.29E-05	1.14E-05	6.55E-05	7.82E-06	1.04E-05	3.43E-05	2.37E-06
2953	470061.11	3818976.68	1.36E-04	5.71E-04	5.15E-05	1.13E-04	4.20E-04	3.69E-05	1.28E-05	7.35E-05	8.77E-06	1.17E-05	3.85E-05	2.65E-06
2954	470069.74	3818973.26	1.38E-04	5.78E-04	5.21E-05	1.15E-04	4.25E-04	3.74E-05	1.30E-05	7.44E-05	8.88E-06	1.18E-05	3.90E-05	2.69E-06
2955	470078.37	3818969.84	1.39E-04	5.84E-04	5.25E-05	1.16E-04	4.29E-04	3.77E-05	1.31E-05	7.51E-05	8.96E-06	1.19E-05	3.93E-05	2.71E-06
2956	470087.01	3818966.42	1.40E-04	5.88E-04	5.30E-05	1.17E-04	4.32E-04	3.80E-05	1.32E-05	7.57E-05	9.03E-06	1.20E-05	3.96E-05	2.73E-06
2957	470095.64	3818963.01	1.41E-04	5.92E-04	5.33E-05	1.17E-04	4.35E-04	3.83E-05	1.33E-05	7.62E-05	9.09E-06	1.21E-05	3.99E-05	2.75E-06
2958	470104.27	3818959.59	1.41E-04	5.94E-04	5.35E-05	1.18E-04	4.37E-04	3.84E-05	1.34E-05	7.65E-05	9.12E-06	1.21E-05	4.00E-05	2.76E-06
2959	469820.44	3819203.92	4.82E-05	2.03E-04	1.82E-05	4.02E-05	1.49E-04	1.31E-05	4.56E-06	2.61E-05	3.11E-06	4.14E-06	1.37E-05	9.41E-07
2960	469843.31	3819151.49	5.67E-05	2.38E-04	2.14E-05	4.72E-05	1.75E-04	1.54E-05	5.35E-06	3.06E-05	3.66E-06	4.87E-06	1.60E-05	1.11E-06
2961	469847.12	3819142.75	5.83E-05	2.45E-04	2.20E-05	4.86E-05	1.80E-04	1.58E-05	5.51E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
2962	469850.93	3819134.01	5.99E-05	2.52E-04	2.27E-05	4.99E-05	1.85E-04	1.63E-05	5.66E-06	3.24E-05	3.87E-06	5.14E-06	1.70E-05	1.17E-06
2963	469854.74	3819125.28	6.15E-05	2.58E-04	2.33E-05	5.13E-05	1.90E-04	1.67E-05	5.81E-06	3.33E-05	3.97E-06	5.28E-06	1.74E-05	1.20E-06
2964	469858.55	3819116.54	6.31E-05	2.65E-04	2.39E-05	5.26E-05	1.95E-04	1.71E-05	5.96E-06	3.41E-05	4.07E-06	5.42E-06	1.79E-05	1.23E-06
2965	469869.98	3819090.32	6.77E-05	2.84E-04	2.56E-05	5.64E-05	2.09E-04	1.84E-05	6.39E-06	3.66E-05	4.36E-06	5.81E-06	1.92E-05	1.32E-06
2966	469873.79	3819081.59	6.90E-05	2.90E-04	2.61E-05	5.75E-05	2.13E-04	1.87E-05	6.52E-06	3.73E-05	4.45E-06	5.92E-06	1.95E-05	1.35E-06
2967	469877.6	3819072.85	7.03E-05	2.95E-04	2.66E-05	5.85E-05	2.17E-04	1.91E-05	6.64E-06	3.80E-05	4.53E-06	6.03E-06	1.99E-05	1.37E-06
2968	469881.42	3819064.11	7.14E-05	3.00E-04	2.70E-05	5.95E-05	2.20E-04	1.94E-05	6.74E-06	3.86E-05	4.61E-06	6.13E-06	2.02E-05	1.39E-06
2969	469885.23	3819055.37	7.24E-05	3.04E-04	2.74E-05	6.03E-05	2.24E-04	1.97E-05	6.84E-06	3.92E-05	4.67E-06	6.22E-06	2.05E-05	1.41E-06
2970	469889.04	3819046.63	7.33E-05	3.08E-04	2.77E-05	6.11E-05	2.26E-04	1.99E-05	6.92E-06	3.96E-05	4.73E-06	6.29E-06	2.08E-05	1.43E-06
2971	469892.85	3819037.89	7.41E-05	3.11E-04	2.80E-05	6.17E-05	2.29E-04	2.01E-05	7.00E-06	4.00E-05	4.78E-06	6.36E-06	2.10E-05	1.45E-06
2972	469896.66	3819029.16	7.47E-05	3.14E-04	2.82E-05	6.22E-05	2.30E-04	2.03E-05	7.05E-06	4.04E-05	4.82E-06	6.41E-06	2.11E-05	1.46E-06
2973	469909.33	3819016.91	7.83E-05	3.29E-04	2.96E-05	6.52E-05	2.42E-04	2.13E-05	7.40E-06	4.23E-05	5.05E-06	6.72E-06	2.22E-05	1.53E-06
2974	469918.2	3819013.4	8.15E-05	3.42E-04	3.08E-05	6.79E-05	2.51E-04	2.21E-05	7.70E-06	4.41E-05	5.26E-06	7.00E-06	2.31E-05	1.59E-06
2975	469927.06	3819009.89	8.46E-05	3.55E-04	3.20E-05	7.05E-05	2.61E-04	2.30E-05	7.99E-06	4.58E-05	5.46E-06	7.27E-06	2.40E-05	1.65E-06
2976	469935.92	3819006.38	8.78E-05	3.69E-04	3.32E-05	7.31E-05	2.71E-04	2.38E-05	8.29E-06	4.75E-05	5.66E-06	7.54E-06	2.48E-05	1.71E-06
2977	469944.79	3819002.87	9.09E-05	3.82E-04	3.44E-05	7.57E-05	2.80E-04	2.47E-05	8.58E-06	4.91E-05	5.86E-06	7.80E-06	2.57E-05	1.77E-06
2978	469953.65	3818999.36	9.40E-05	3.95E-04	3.55E-05	7.83E-05	2.90E-04	2.55E-05	8.87E-06	5.08E-05	6.06E-06	8.07E-06	2.66E-05	1.83E-06
2979	469962.51	3818995.85	9.70E-05	4.07E-04	3.67E-05	8.08E-05	2.99E-04	2.63E-05	9.16E-06	5.24E-05	6.25E-06	8.32E-06	2.74E-05	1.89E-06
2980	470006.83	3818978.29	1.11E-04	4.67E-04	4.21E-05	9.26E-05	3.43E-04	3.02E-05	1.05E-05	6.01E-05	7.17E-06	9.55E-06	3.15E-05	2.17E-06
2981	470015.69	3818974.78	1.14E-04	4.78E-04	4.30E-05	9.48E-05	3.51E-04	3.09E-05	1.07E-05	6.15E-05	7.34E-06	9.77E-06	3.22E-05	2.22E-06
2982	470024.55	3818971.27	1.16E-04	4.88E-04	4.39E-05	9.68E-05	3.59E-04	3.15E-05	1.10E-05	6.28E-05	7.50E-06	9.98E-06	3.29E-05	2.27E-06
2983	470051.14	3818960.74	1.22E-04	5.12E-04	4.61E-05	1.02E-04	3.77E-04	3.31E-05	1.15E-05	6.60E-05	7.87E-06	1.05E-05	3.45E-05	2.38E-06
2984	470060.01	3818957.23	1.24E-04	5.19E-04	4.67E-05	1.03E-04	3.81E-04	3.35E-05	1.17E-05	6.68E-05	7.97E-06	1.06E-05	3.50E-05	2.41E-06
2985	470068.87	3818953.72	1.25E-04	5.24E-04	4.72E-05	1.04E-04	3.85E-04	3.39E-05	1.18E-05	6.75E-05	8.05E-06	1.07E-05	3.53E-05	2.44E-06
2986	470077.73	3818950.21	1.26E-04	5.29E-04	4.76E-05	1.05E-04	3.88E-04	3.42E-05	1.19E-05	6.80E-05	8.12E-06	1.08E-05	3.56E-05	2.46E-06
2987	470086.6	3818946.7	1.27E-04	5.32E-04	4.79E-05	1.06E-04	3.91E-04	3.44E-05	1.20E-05	6.85E-05	8.18E-06	1.09E-05	3.59E-05	2.47E-06
2988	470095.46	3818943.19	1.27E-04	5.35E-04	4.82E-05	1.06E-04	3.93E-04	3.46E-05	1.20E-05	6.89E-05	8.22E-06	1.09E-05	3.61E-05	2.49E-06
2989	470104.32	3818939.68	1.28E-04	5.37E-04	4.83E-05	1.06E-04	3.94E-04	3.47E-05	1.21E-05	6.91E-05	8.24E-06	1.10E-05	3.62E-05	2.49E-06

2990	469780.54	3819202.92	3.80E-05	1.60E-04	1.44E-05	3.16E-05	1.17E-04	1.03E-05	3.59E-06	2.05E-05	2.45E-06	3.26E-06	1.08E-05	7.41E-07
2991	469784.37	3819194.12	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.67E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
2992	469788.21	3819185.32	3.97E-05	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.75E-06	2.15E-05	2.56E-06	3.41E-06	1.12E-05	7.75E-07
2993	469792.05	3819176.52	4.07E-05	1.71E-04	1.54E-05	3.39E-05	1.26E-04	1.11E-05	3.85E-06	2.20E-05	2.63E-06	3.50E-06	1.15E-05	7.95E-07
2994	469795.89	3819167.71	4.18E-05	1.75E-04	1.58E-05	3.48E-05	1.29E-04	1.13E-05	3.95E-06	2.26E-05	2.69E-06	3.59E-06	1.18E-05	8.15E-07
2995	469799.73	3819158.91	4.29E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.77E-06	3.68E-06	1.21E-05	8.37E-07
2996	469803.57	3819150.11	4.41E-05	1.85E-04	1.67E-05	3.67E-05	1.36E-04	1.20E-05	4.16E-06	2.38E-05	2.84E-06	3.78E-06	1.25E-05	8.60E-07
2997	469807.41	3819141.3	4.53E-05	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.92E-06	3.89E-06	1.28E-05	8.84E-07
2998	469811.25	3819132.5	4.65E-05	1.95E-04	1.76E-05	3.87E-05	1.43E-04	1.26E-05	4.39E-06	2.51E-05	3.00E-06	3.99E-06	1.32E-05	9.07E-07
2999	469815.09	3819123.7	4.77E-05	2.00E-04	1.80E-05	3.97E-05	1.47E-04	1.29E-05	4.50E-06	2.58E-05	3.07E-06	4.09E-06	1.35E-05	9.30E-07
3000	469818.93	3819114.9	4.89E-05	2.05E-04	1.85E-05	4.07E-05	1.51E-04	1.33E-05	4.62E-06	2.64E-05	3.15E-06	4.20E-06	1.38E-05	9.54E-07
3001	469822.76	3819106.09	5.01E-05	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.73E-06	2.71E-05	3.23E-06	4.30E-06	1.42E-05	9.78E-07
3002	469845.8	3819053.28	5.73E-05	2.41E-04	2.17E-05	4.77E-05	1.77E-04	1.56E-05	5.41E-06	3.10E-05	3.70E-06	4.92E-06	1.62E-05	1.12E-06
3003	469849.64	3819044.47	5.83E-05	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
3004	469853.48	3819035.67	5.91E-05	2.48E-04	2.24E-05	4.92E-05	1.82E-04	1.60E-05	5.58E-06	3.20E-05	3.81E-06	5.08E-06	1.67E-05	1.15E-06
3005	469857.32	3819026.87	5.99E-05	2.52E-04	2.27E-05	4.99E-05	1.85E-04	1.63E-05	5.66E-06	3.24E-05	3.86E-06	5.14E-06	1.70E-05	1.17E-06
3006	469861.15	3819018.06	6.06E-05	2.54E-04	2.29E-05	5.04E-05	1.87E-04	1.64E-05	5.72E-06	3.27E-05	3.91E-06	5.20E-06	1.71E-05	1.18E-06
3007	469864.99	3819009.26	6.11E-05	2.57E-04	2.31E-05	5.09E-05	1.89E-04	1.66E-05	5.77E-06	3.30E-05	3.94E-06	5.25E-06	1.73E-05	1.19E-06
3008	469868.83	3819000.46	6.16E-05	2.59E-04	2.33E-05	5.13E-05	1.90E-04	1.67E-05	5.82E-06	3.33E-05	3.97E-06	5.29E-06	1.74E-05	1.20E-06
3009	469908.39	3818977.51	7.15E-05	3.00E-04	2.71E-05	5.96E-05	2.21E-04	1.94E-05	6.75E-06	3.87E-05	4.61E-06	6.14E-06	2.02E-05	1.40E-06
3010	469917.32	3818973.97	7.38E-05	3.10E-04	2.79E-05	6.15E-05	2.28E-04	2.00E-05	6.97E-06	3.99E-05	4.76E-06	6.34E-06	2.09E-05	1.44E-06
3011	469926.24	3818970.44	7.62E-05	3.20E-04	2.88E-05	6.34E-05	2.35E-04	2.07E-05	7.19E-06	4.12E-05	4.91E-06	6.54E-06	2.16E-05	1.49E-06
3012	469935.17	3818966.9	7.85E-05	3.30E-04	2.97E-05	6.54E-05	2.42E-04	2.13E-05	7.41E-06	4.24E-05	5.06E-06	6.74E-06	2.22E-05	1.53E-06
3013	469944.1	3818963.36	8.08E-05	3.39E-04	3.05E-05	6.73E-05	2.49E-04	2.19E-05	7.63E-06	4.37E-05	5.21E-06	6.93E-06	2.29E-05	1.58E-06
3014	469953.03	3818959.83	8.30E-05	3.49E-04	3.14E-05	6.91E-05	2.56E-04	2.25E-05	7.84E-06	4.49E-05	5.35E-06	7.13E-06	2.35E-05	1.62E-06
3015	469961.96	3818956.29	8.52E-05	3.58E-04	3.22E-05	7.10E-05	2.63E-04	2.31E-05	8.05E-06	4.61E-05	5.50E-06	7.31E-06	2.41E-05	1.66E-06
3016	469970.89	3818952.76	8.73E-05	3.67E-04	3.30E-05	7.27E-05	2.69E-04	2.37E-05	8.25E-06	4.72E-05	5.63E-06	7.50E-06	2.47E-05	1.70E-06
3017	469979.82	3818949.22	8.94E-05	3.75E-04	3.38E-05	7.45E-05	2.76E-04	2.43E-05	8.44E-06	4.83E-05	5.77E-06	7.68E-06	2.53E-05	1.74E-06
3018	469988.75	3818945.68	9.14E-05	3.84E-04	3.46E-05	7.62E-05	2.82E-04	2.48E-05	8.63E-06	4.94E-05	5.90E-06	7.85E-06	2.59E-05	1.78E-06
3019	469997.68	3818942.15	9.34E-05	3.92E-04	3.53E-05	7.78E-05	2.88E-04	2.54E-05	8.82E-06	5.05E-05	6.03E-06	8.02E-06	2.64E-05	1.82E-06
3020	470006.6	3818938.61	9.53E-05	4.00E-04	3.60E-05	7.93E-05	2.94E-04	2.59E-05	9.00E-06	5.15E-05	6.14E-06	8.18E-06	2.70E-05	1.86E-06
3021	470015.53	3818935.07	9.70E-05	4.07E-04	3.67E-05	8.08E-05	2.99E-04	2.63E-05	9.16E-06	5.24E-05	6.26E-06	8.33E-06	2.75E-05	1.89E-06
3022	470024.46	3818931.54	9.85E-05	4.14E-04	3.73E-05	8.21E-05	3.04E-04	2.67E-05	9.30E-06	5.33E-05	6.36E-06	8.46E-06	2.79E-05	1.92E-06
3023	470051.25	3818920.93	1.02E-04	4.30E-04	3.87E-05	8.52E-05	3.16E-04	2.78E-05	9.66E-06	5.53E-05	6.60E-06	8.78E-06	2.90E-05	2.00E-06
3024	470060.18	3818917.39	1.03E-04	4.34E-04	3.90E-05	8.60E-05	3.19E-04	2.80E-05	9.75E-06	5.58E-05	6.66E-06	8.86E-06	2.92E-05	2.01E-06
3025	470069.11	3818913.86	1.04E-04	4.37E-04	3.93E-05	8.66E-05	3.21E-04	2.82E-05	9.82E-06	5.62E-05	6.71E-06	8.93E-06	2.94E-05	2.03E-06
3026	470078.03	3818910.32	1.05E-04	4.39E-04	3.96E-05	8.71E-05	3.23E-04	2.84E-05	9.88E-06	5.65E-05	6.75E-06	8.98E-06	2.96E-05	2.04E-06
3027	470086.96	3818906.78	1.05E-04	4.41E-04	3.97E-05	8.75E-05	3.24E-04	2.85E-05	9.92E-06	5.68E-05	6.77E-06	9.02E-06	2.97E-05	2.05E-06
3028	470095.89	3818903.25	1.05E-04	4.42E-04	3.98E-05	8.77E-05	3.25E-04	2.86E-05	9.94E-06	5.69E-05	6.79E-06	9.03E-06	2.98E-05	2.05E-06
3029	470104.82	3818899.71	1.05E-04	4.42E-04	3.98E-05	8.76E-05	3.25E-04	2.86E-05	9.93E-06	5.69E-05	6.78E-06	9.03E-06	2.98E-05	2.05E-06
3030	469740.24	3819202.83	3.06E-05	1.28E-04	1.16E-05	2.55E-05	9.43E-05	8.30E-06	2.89E-06	1.65E-05	1.97E-06	2.62E-06	8.65E-06	5.96E-07
3031	469743.97	3819194.26	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.60E-05	8.45E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.81E-06	6.07E-07
3032	469747.71	3819185.69	3.17E-05	1.33E-04	1.20E-05	2.64E-05	9.79E-05	8.62E-06	3.00E-06	1.72E-05	2.05E-06	2.72E-06	8.98E-06	6.19E-07
3033	469751.45	3819177.12	3.24E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.18E-06	6.33E-07
3034	469755.19	3819168.55	3.32E-05	1.39E-04	1.25E-05	2.76E-05	1.02E-04	9.00E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.38E-06	6.47E-07
3035	469758.92	3819159.98	3.39E-05	1.43E-04	1.28E-05	2.83E-05	1.05E-04	9.21E-06	3.20E-06	1.83E-05	2.19E-06	2.91E-06	9.61E-06	6.62E-07
3036	469762.66	3819151.41	3.48E-05	1.46E-04	1.31E-05	2.90E-05	1.07E-04	9.44E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.84E-06	6.78E-07
3037	469766.4	3819142.84	3.56E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.67E-06	3.37E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.95E-07
3038	469770.13	3819134.27	3.65E-05	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.92E-06	3.45E-06	1.97E-05	2.36E-06	3.14E-06	1.03E-05	7.13E-07
3039	469773.87	3819125.7	3.74E-05	1.57E-04	1.41E-05	3.12E-05	1.15E-04	1.02E-05	3.53E-06	2.02E-05	2.41E-06	3.21E-06	1.06E-05	7.30E-07
3040	469777.61	3819117.14	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.47E-06	3.29E-06	1.08E-05	7.47E-07
3041	469781.34	3819108.57	3.92E-05	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.36E-06	1.11E-05	7.64E-07
3042	469785.08	3819100	4.01E-05	1.68E-04	1.52E-05	3.34E-05	1.24E-04	1.09E-05	3.79E-06	2.17E-05	2.59E-06	3.44E-06	1.14E-05	7.83E-07
3043	469788.82	3819091.43	4.11E-05	1.73E-04	1.55E-05	3.42E-05	1.27E-04	1.12E-05	3.88E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.02E-07
3044	469792.56	3819082.86	4.21E-05	1.77E-04	1.59E-05	3.51E-05	1.30E-04	1.14E-05	3.97E-06	2.28E-05	2.71E-06	3.61E-06	1.19E-05	8.21E-07
3045	469796.29	3819074.29	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.40E-07
3046	469800.03	3819065.72	4.40E-05	1.85E-04	1.66E-05	3.67E-05	1.36E-04	1.19E-05	4.16E-06	2.38E-05	2.84E-06	3.78E-06	1.25E-05	8.59E-07
3047	469803.77	3819057.15	4.49E-05	1.89E-04	1.70E-05	3.74E-05	1.39E-04	1.22E-05	4.24E-06	2.43E-05	2.90E-06	3.86E-06	1.27E-05	8.77E-07
3048	469807.5	3819048.58	4.58E-05	1.92E-04	1.73E-05	3.82E-05	1.41E-04	1.24E-05	4.33E-06	2.48E-05	2.96E-06	3.93E-06	1.30E-05	8.94E-07
3049	469811.24	3819040.01	4.67E-05	1.96E-04	1.77E-05	3.89E-05	1.44E-04	1.27E-05	4.41E-06	2.52E-05	3.01E-06	4.01E-06	1.32E-05	9.11E-07
3050	469814.98	3819031.44	4.75E-05	2.00E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.49E-06	2.57E-05	3.06E-06	4.08E-06	1.34E-05	9.27E-07
3051	469818.72	3819022.88	4.83E-05	2.03E-04	1.83E-05	4.02E-05	1.49E-04	1.31E-05	4.56E-06	2.61E-05	3.12E-06	4.15E-06	1.37E-05	9.42E-07
3052	469822.45	3819014.31	4.90E-05	2.06E-04	1.85E-05	4.08E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.57E-07
3053	469826.19	3819005.74	4.96E-05	2.08E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.69E-06	2.68E-05	3.20E-06	4.26E-06	1.41E-05	9.69E-07
3054	469841.14	3818971.46	5.14E-05	2.16E-04	1.94E-05	4.28E-05	1.59E-04	1.40E-05	4.86E-06	2.78E-05	3.32E-06	4.41E-06	1.46E-05	1.00E-06
3055	469853.57	3818959.45	5.35E-05	2.25E-04	2.02E-05	4.46E-05	1.65E-04	1.45E-05	5.06E-06	2.89E-05	3.45E-06	4.60E-06	1.52E-05	1.04E-06
3056	469862.26	3818956.01	5.54E-05	2.32E-04	2.09E-05	4.61E-05	1.71E-04	1.50E-05	5.23E-06	2.99E-05	3.57E-06	4.75E-06	1.57E-05	1.08E-06
3057	469870.95	3818952.57	5.72E-05	2.40E-04	2.16E-05	4.76E-05	1.76E-04	1.55E-05	5.40E-06	3.09E-05	3.69E-06	4.91E-06	1.62E-05	1.12E-06
3058	469879.64	3818949.12	5.90E-05	2.48E-04	2.23E-05	4.91E-05	1.82E-04	1.60E-05	5.57E-06	3.19E-05	3.81E-06	5.07E-06	1.67E-05	1.15E-06
3059	469888.33	3818945.68	6.08E-05	2.55E-04	2.30E-05	5.07E-05	1.88E-04	1.65E-05	5.74E-06	3.29E-05	3.92E-06	5.22E-06	1.72E-05	1.19E-06
3060	469897.02	3818942.24	6.26E-05	2.63E-04	2.37E-05	5.22E-05	1.93E-04	1.70E-05	5.91E-06	3.38E-05	4.04E-06	5.38E-06	1.77E-05	1.22E-06
3061	469905.72	3818938.8	6.44E-05	2.70E-04	2.44E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
3062	469914.41	3818935.35	6.61E-05	2.78E-04	2.50E-05	5.51E-05	2.04E-04	1.80E-05	6.25E-06	3.58E-05	4.27E-06	5.68E-06	1.87E-05	1.29E-06

3063	469923.1	3818931.91	6.78E-05	2.85E-04	2.57E-05	5.65E-05	2.09E-04	1.84E-05	6.41E-06	3.67E-05	4.38E-06	5.82E-06	1.92E-05	1.32E-06
3064	469931.79	3818928.47	6.95E-05	2.92E-04	2.63E-05	5.79E-05	2.15E-04	1.89E-05	6.57E-06	3.76E-05	4.48E-06	5.97E-06	1.97E-05	1.36E-06
3065	469940.48	3818925.03	7.11E-05	2.99E-04	2.69E-05	5.93E-05	2.20E-04	1.93E-05	6.72E-06	3.85E-05	4.59E-06	6.11E-06	2.01E-05	1.39E-06
3066	469949.17	3818921.58	7.27E-05	3.05E-04	2.75E-05	6.06E-05	2.24E-04	1.97E-05	6.87E-06	3.93E-05	4.69E-06	6.24E-06	2.06E-05	1.42E-06
3067	469957.87	3818918.14	7.43E-05	3.12E-04	2.81E-05	6.18E-05	2.29E-04	2.02E-05	7.01E-06	4.01E-05	4.79E-06	6.37E-06	2.10E-05	1.45E-06
3068	469966.56	3818914.7	7.58E-05	3.18E-04	2.87E-05	6.31E-05	2.34E-04	2.06E-05	7.16E-06	4.10E-05	4.89E-06	6.51E-06	2.15E-05	1.48E-06
3069	469975.25	3818911.26	7.73E-05	3.25E-04	2.92E-05	6.44E-05	2.39E-04	2.10E-05	7.30E-06	4.18E-05	4.99E-06	6.64E-06	2.19E-05	1.51E-06
3070	469983.94	3818907.81	7.88E-05	3.31E-04	2.98E-05	6.56E-05	2.43E-04	2.14E-05	7.44E-06	4.26E-05	5.08E-06	6.76E-06	2.23E-05	1.54E-06
3071	469992.63	3818904.37	8.01E-05	3.37E-04	3.03E-05	6.68E-05	2.47E-04	2.18E-05	7.57E-06	4.33E-05	5.17E-06	6.88E-06	2.27E-05	1.56E-06
3072	470001.32	3818900.93	8.14E-05	3.42E-04	3.08E-05	6.78E-05	2.51E-04	2.21E-05	7.68E-06	4.40E-05	5.25E-06	6.98E-06	2.30E-05	1.59E-06
3073	470010.02	3818897.49	8.25E-05	3.46E-04	3.12E-05	6.87E-05	2.55E-04	2.24E-05	7.79E-06	4.46E-05	5.32E-06	7.08E-06	2.34E-05	1.61E-06
3074	470018.71	3818894.04	8.36E-05	3.51E-04	3.16E-05	6.96E-05	2.58E-04	2.27E-05	7.89E-06	4.52E-05	5.39E-06	7.17E-06	2.37E-05	1.63E-06
3075	470027.4	3818890.6	8.45E-05	3.55E-04	3.20E-05	7.04E-05	2.61E-04	2.29E-05	7.98E-06	4.57E-05	5.45E-06	7.26E-06	2.39E-05	1.65E-06
3076	470044.78	3818883.72	8.62E-05	3.62E-04	3.26E-05	7.18E-05	2.66E-04	2.34E-05	8.14E-06	4.66E-05	5.56E-06	7.40E-06	2.44E-05	1.68E-06
3077	470053.47	3818880.27	8.69E-05	3.65E-04	3.28E-05	7.23E-05	2.68E-04	2.36E-05	8.20E-06	4.70E-05	5.60E-06	7.46E-06	2.46E-05	1.69E-06
3078	470062.16	3818876.83	8.74E-05	3.67E-04	3.31E-05	7.28E-05	2.70E-04	2.37E-05	8.25E-06	4.73E-05	5.64E-06	7.50E-06	2.47E-05	1.71E-06
3079	470070.86	3818873.39	8.78E-05	3.69E-04	3.32E-05	7.32E-05	2.71E-04	2.38E-05	8.29E-06	4.75E-05	5.67E-06	7.54E-06	2.49E-05	1.71E-06
3080	470079.55	3818869.95	8.81E-05	3.70E-04	3.33E-05	7.34E-05	2.72E-04	2.39E-05	8.32E-06	4.77E-05	5.69E-06	7.57E-06	2.50E-05	1.72E-06
3081	470088.24	3818866.51	8.83E-05	3.71E-04	3.34E-05	7.36E-05	2.72E-04	2.40E-05	8.34E-06	4.77E-05	5.70E-06	7.58E-06	2.50E-05	1.72E-06
3082	470096.93	3818863.06	8.83E-05	3.71E-04	3.34E-05	7.36E-05	2.73E-04	2.40E-05	8.34E-06	4.77E-05	5.70E-06	7.58E-06	2.50E-05	1.72E-06
3083	470105.62	3818859.62	8.82E-05	3.70E-04	3.33E-05	7.34E-05	2.72E-04	2.39E-05	8.33E-06	4.77E-05	5.69E-06	7.57E-06	2.50E-05	1.72E-06
3084	469704.1	3819193.19	2.55E-05	1.07E-04	9.66E-06	2.13E-05	7.88E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.23E-06	4.98E-07
3085	469707.86	3819184.56	2.60E-05	1.09E-04	9.82E-06	2.16E-05	8.02E-05	7.05E-06	2.45E-06	1.40E-05	1.68E-06	2.23E-06	7.35E-06	5.07E-07
3086	469711.63	3819175.92	2.65E-05	1.11E-04	1.00E-05	2.20E-05	8.17E-05	7.19E-06	2.50E-06	1.43E-05	1.71E-06	2.27E-06	7.49E-06	5.16E-07
3087	469715.4	3819167.28	2.70E-05	1.13E-04	1.02E-05	2.25E-05	8.33E-05	7.33E-06	2.55E-06	1.46E-05	1.74E-06	2.32E-06	7.64E-06	5.27E-07
3088	469719.16	3819158.65	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.51E-05	7.49E-06	2.60E-06	1.49E-05	1.78E-06	2.37E-06	7.81E-06	5.38E-07
3089	469722.93	3819150.01	2.82E-05	1.18E-04	1.07E-05	2.35E-05	8.70E-05	7.66E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
3090	469726.69	3819141.38	2.89E-05	1.21E-04	1.09E-05	2.40E-05	8.91E-05	7.83E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.17E-06	5.63E-07
3091	469730.46	3819132.74	2.96E-05	1.24E-04	1.12E-05	2.46E-05	9.12E-05	8.02E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.36E-06	5.77E-07
3092	469734.23	3819124.11	3.03E-05	1.27E-04	1.14E-05	2.52E-05	9.34E-05	8.22E-06	2.86E-06	1.64E-05	1.95E-06	2.60E-06	8.57E-06	5.91E-07
3093	469737.99	3819115.47	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.57E-05	8.42E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.78E-06	6.05E-07
3094	469741.76	3819106.84	3.18E-05	1.34E-04	1.20E-05	2.65E-05	9.81E-05	8.63E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	9.00E-06	6.20E-07
3095	469745.52	3819098.2	3.25E-05	1.37E-04	1.23E-05	2.71E-05	1.00E-04	8.83E-06	3.07E-06	1.76E-05	2.10E-06	2.79E-06	9.20E-06	6.34E-07
3096	469749.29	3819089.57	3.32E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.02E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.41E-06	6.49E-07
3097	469753.06	3819080.93	3.40E-05	1.43E-04	1.28E-05	2.83E-05	1.05E-04	9.22E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.62E-06	6.63E-07
3098	469756.82	3819072.3	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.43E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.78E-07
3099	469760.59	3819063.66	3.55E-05	1.49E-04	1.34E-05	2.96E-05	1.10E-04	9.65E-06	3.36E-06	1.92E-05	2.29E-06	3.05E-06	1.01E-05	6.93E-07
3100	469764.35	3819055.02	3.63E-05	1.53E-04	1.37E-05	3.03E-05	1.12E-04	9.86E-06	3.43E-06	1.96E-05	2.34E-06	3.12E-06	1.03E-05	7.09E-07
3101	469768.12	3819046.39	3.71E-05	1.56E-04	1.40E-05	3.09E-05	1.14E-04	1.01E-05	3.50E-06	2.01E-05	2.39E-06	3.19E-06	1.05E-05	7.24E-07
3102	469771.89	3819037.75	3.79E-05	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.44E-06	3.25E-06	1.07E-05	7.39E-07
3103	469775.65	3819029.12	3.86E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
3104	469779.42	3819020.48	3.93E-05	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.67E-07
3105	469783.18	3819011.85	4.00E-05	1.68E-04	1.51E-05	3.33E-05	1.23E-04	1.08E-05	3.77E-06	2.16E-05	2.58E-06	3.43E-06	1.13E-05	7.80E-07
3106	469786.95	3819003.21	4.06E-05	1.70E-04	1.54E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.92E-07
3107	469798.25	3818977.31	4.22E-05	1.77E-04	1.60E-05	3.52E-05	1.30E-04	1.15E-05	3.99E-06	2.28E-05	2.72E-06	3.62E-06	1.19E-05	8.24E-07
3108	469802.01	3818968.67	4.27E-05	1.79E-04	1.61E-05	3.55E-05	1.32E-04	1.16E-05	4.03E-06	2.31E-05	2.75E-06	3.66E-06	1.21E-05	8.32E-07
3109	469805.78	3818960.04	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.40E-07
3110	469809.55	3818951.4	4.34E-05	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.47E-07
3111	469813.31	3818942.76	4.36E-05	1.83E-04	1.65E-05	3.63E-05	1.35E-04	1.18E-05	4.12E-06	2.36E-05	2.81E-06	3.75E-06	1.24E-05	8.51E-07
3112	469825.84	3818930.66	4.53E-05	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.92E-06	3.89E-06	1.28E-05	8.84E-07
3113	469843.35	3818923.72	4.83E-05	2.03E-04	1.83E-05	4.02E-05	1.49E-04	1.31E-05	4.56E-06	2.61E-05	3.11E-06	4.15E-06	1.37E-05	9.42E-07
3114	469852.11	3818920.25	4.97E-05	2.09E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.70E-06	2.69E-05	3.21E-06	4.27E-06	1.41E-05	9.71E-07
3115	469860.87	3818916.78	5.12E-05	2.15E-04	1.94E-05	4.26E-05	1.58E-04	1.39E-05	4.83E-06	2.77E-05	3.30E-06	4.39E-06	1.45E-05	9.99E-07
3116	469869.63	3818913.32	5.26E-05	2.21E-04	1.99E-05	4.38E-05	1.62E-04	1.43E-05	4.97E-06	2.85E-05	3.40E-06	4.52E-06	1.49E-05	1.03E-06
3117	469878.39	3818909.85	5.41E-05	2.27E-04	2.04E-05	4.50E-05	1.67E-04	1.47E-05	5.10E-06	2.92E-05	3.49E-06	4.64E-06	1.53E-05	1.05E-06
3118	469887.15	3818906.38	5.54E-05	2.33E-04	2.10E-05	4.62E-05	1.71E-04	1.51E-05	5.24E-06	3.00E-05	3.58E-06	4.76E-06	1.57E-05	1.08E-06
3119	469895.91	3818902.91	5.68E-05	2.39E-04	2.15E-05	4.73E-05	1.75E-04	1.54E-05	5.36E-06	3.07E-05	3.66E-06	4.88E-06	1.61E-05	1.11E-06
3120	469904.67	3818899.44	5.81E-05	2.44E-04	2.20E-05	4.84E-05	1.79E-04	1.58E-05	5.49E-06	3.14E-05	3.75E-06	4.99E-06	1.65E-05	1.13E-06
3121	469913.42	3818895.97	5.94E-05	2.50E-04	2.25E-05	4.95E-05	1.83E-04	1.61E-05	5.61E-06	3.21E-05	3.83E-06	5.10E-06	1.68E-05	1.16E-06
3122	469922.18	3818892.5	6.07E-05	2.55E-04	2.30E-05	5.06E-05	1.87E-04	1.65E-05	5.73E-06	3.28E-05	3.92E-06	5.21E-06	1.72E-05	1.18E-06
3123	469930.94	3818889.03	6.20E-05	2.60E-04	2.34E-05	5.16E-05	1.91E-04	1.68E-05	5.85E-06	3.35E-05	4.00E-06	5.32E-06	1.75E-05	1.21E-06
3124	469939.7	3818885.56	6.31E-05	2.65E-04	2.39E-05	5.26E-05	1.95E-04	1.71E-05	5.96E-06	3.41E-05	4.07E-06	5.42E-06	1.79E-05	1.23E-06
3125	469948.46	3818882.09	6.43E-05	2.70E-04	2.43E-05	5.36E-05	1.98E-04	1.75E-05	6.07E-06	3.48E-05	4.15E-06	5.52E-06	1.82E-05	1.25E-06
3126	469957.22	3818878.62	6.54E-05	2.75E-04	2.47E-05	5.45E-05	2.02E-04	1.78E-05	6.18E-06	3.54E-05	4.22E-06	5.61E-06	1.85E-05	1.28E-06
3127	469965.98	3818875.16	6.65E-05	2.79E-04	2.52E-05	5.54E-05	2.05E-04	1.81E-05	6.28E-06	3.60E-05	4.29E-06	5.71E-06	1.88E-05	1.30E-06
3128	469974.74	3818871.69	6.76E-05	2.84E-04	2.56E-05	5.63E-05	2.09E-04	1.84E-05	6.39E-06	3.66E-05	4.36E-06	5.81E-06	1.91E-05	1.32E-06
3129	469983.5	3818868.22	6.87E-05	2.88E-04	2.60E-05	5.72E-05	2.12E-04	1.86E-05	6.49E-06	3.71E-05	4.43E-06	5.90E-06	1.94E-05	1.34E-06
3130	469992.25	3818864.75	6.97E-05	2.93E-04	2.64E-05	5.80E-05	2.15E-04	1.89E-05	6.58E-06	3.77E-05	4.49E-06	5.98E-06	1.97E-05	1.36E-06
3131	470001.01	3818861.28	7.05E-05	2.96E-04	2.67E-05	5.88E-05	2.18E-04	1.92E-05	6.66E-06	3.81E-05	4.55E-06	6.06E-06	2.00E-05	1.38E-06
3132	470009.77	3818857.81	7.14E-05	3.00E-04	2.70E-05	5.94E-05	2.20E-04	1.94E-05	6.74E-06	3.86E-05	4.60E-06	6.13E-06	2.02E-05	1.39E-06
3133	470018.53	3818854.34	7.21E-05	3.03E-04	2.73E-05	6.00E-05	2.22E-04	1.96E-05	6.81E-06	3.90E-05	4.65E-06	6.19E-06	2.04E-05	1.41E-06
3134	470027.29	3818850.87	7.28E-05	3.06E-04	2.75E-05	6.06E-05	2.25E-04	1.98E-05	6.87E-06	3.93E-05	4.69E-06	6.25E-06	2.06E-05	1.42E-06
3135	470044.81	3818843.93	7.39E-05	3.10E-04	2.80E-05	6.16E-05	2.28E-04	2.01E-05	6.98E-06	4.00E-05	4.77E-06	6.34E-06	2.09E-05	1.44E-06

3136	470053.57	3818840.47	7.44E-05	3.12E-04	2.81E-05	6.19E-05	2.29E-04	2.02E-05	7.02E-06	4.02E-05	4.80E-06	6.38E-06	2.10E-05	1.45E-06
3137	470062.33	3818837	7.47E-05	3.14E-04	2.83E-05	6.22E-05	2.31E-04	2.03E-05	7.06E-06	4.04E-05	4.82E-06	6.41E-06	2.11E-05	1.46E-06
3138	470071.08	3818833.53	7.50E-05	3.15E-04	2.84E-05	6.25E-05	2.31E-04	2.04E-05	7.08E-06	4.05E-05	4.84E-06	6.44E-06	2.12E-05	1.46E-06
3139	470079.84	3818830.06	7.51E-05	3.16E-04	2.84E-05	6.26E-05	2.32E-04	2.04E-05	7.09E-06	4.06E-05	4.85E-06	6.45E-06	2.13E-05	1.47E-06
3140	470088.6	3818826.59	7.52E-05	3.16E-04	2.84E-05	6.26E-05	2.32E-04	2.04E-05	7.10E-06	4.06E-05	4.85E-06	6.45E-06	2.13E-05	1.47E-06
3141	470097.36	3818823.12	7.51E-05	3.15E-04	2.84E-05	6.26E-05	2.32E-04	2.04E-05	7.09E-06	4.06E-05	4.85E-06	6.45E-06	2.13E-05	1.47E-06
3142	470106.12	3818819.65	7.49E-05	3.15E-04	2.83E-05	6.24E-05	2.31E-04	2.03E-05	7.08E-06	4.05E-05	4.83E-06	6.43E-06	2.12E-05	1.46E-06
3143	469656.62	3819209.55	2.08E-05	8.72E-05	7.85E-06	1.73E-05	6.41E-05	5.64E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.88E-06	4.05E-07
3144	469660.41	3819200.86	2.10E-05	8.83E-05	7.95E-06	1.75E-05	6.49E-05	5.71E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.95E-06	4.10E-07
3145	469664.2	3819192.17	2.13E-05	8.95E-05	8.06E-06	1.78E-05	6.58E-05	5.79E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.03E-06	4.16E-07
3146	469667.99	3819183.48	2.16E-05	9.08E-05	8.18E-06	1.80E-05	6.67E-05	5.87E-06	2.04E-06	1.17E-05	1.40E-06	1.86E-06	6.12E-06	4.22E-07
3147	469671.78	3819174.79	2.20E-05	9.23E-05	8.32E-06	1.83E-05	6.79E-05	5.97E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.22E-06	4.29E-07
3148	469675.57	3819166.09	2.24E-05	9.40E-05	8.47E-06	1.86E-05	6.91E-05	6.08E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.34E-06	4.37E-07
3149	469705.9	3819096.57	2.66E-05	1.12E-04	1.01E-05	2.22E-05	8.21E-05	7.22E-06	2.51E-06	1.44E-05	1.72E-06	2.28E-06	7.53E-06	5.19E-07
3150	469709.69	3819087.88	2.72E-05	1.14E-04	1.03E-05	2.26E-05	8.39E-05	7.38E-06	2.57E-06	1.47E-05	1.75E-06	2.33E-06	7.69E-06	5.30E-07
3151	469713.48	3819079.19	2.78E-05	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
3152	469717.27	3819070.49	2.84E-05	1.19E-04	1.07E-05	2.37E-05	8.77E-05	7.71E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.04E-06	5.54E-07
3153	469721.06	3819061.8	2.91E-05	1.22E-04	1.10E-05	2.42E-05	8.97E-05	7.89E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.23E-06	5.67E-07
3154	469724.85	3819053.11	2.97E-05	1.25E-04	1.12E-05	2.48E-05	9.18E-05	8.07E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.42E-06	5.80E-07
3155	469728.64	3819044.42	3.04E-05	1.28E-04	1.15E-05	2.53E-05	9.38E-05	8.25E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.60E-06	5.93E-07
3156	469732.43	3819035.73	3.10E-05	1.30E-04	1.17E-05	2.59E-05	9.58E-05	8.43E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.79E-06	6.06E-07
3157	469736.22	3819027.04	3.17E-05	1.33E-04	1.20E-05	2.64E-05	9.78E-05	8.60E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.97E-06	6.18E-07
3158	469740.01	3819018.35	3.23E-05	1.36E-04	1.22E-05	2.69E-05	9.97E-05	8.77E-06	3.05E-06	1.75E-05	2.08E-06	2.77E-06	9.14E-06	6.30E-07
3159	469743.8	3819009.66	3.29E-05	1.38E-04	1.24E-05	2.74E-05	1.01E-04	8.92E-06	3.10E-06	1.78E-05	2.12E-06	2.82E-06	9.31E-06	6.41E-07
3160	469747.59	3819000.97	3.34E-05	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.07E-06	3.15E-06	1.81E-05	2.15E-06	2.87E-06	9.46E-06	6.52E-07
3161	469758.96	3818974.89	3.50E-05	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.49E-06	3.30E-06	1.89E-05	2.25E-06	3.00E-06	9.89E-06	6.82E-07
3162	469762.75	3818966.2	3.54E-05	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.62E-06	3.34E-06	1.91E-05	2.28E-06	3.04E-06	1.00E-05	6.91E-07
3163	469766.54	3818957.51	3.58E-05	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.73E-06	3.38E-06	1.94E-05	2.31E-06	3.08E-06	1.01E-05	6.99E-07
3164	469770.33	3818948.82	3.62E-05	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.84E-06	3.42E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.07E-07
3165	469774.12	3818940.13	3.66E-05	1.54E-04	1.38E-05	3.05E-05	1.13E-04	9.93E-06	3.46E-06	1.98E-05	2.36E-06	3.14E-06	1.04E-05	7.14E-07
3166	469777.91	3818931.44	3.69E-05	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.49E-06	2.00E-05	2.38E-06	3.17E-06	1.05E-05	7.20E-07
3167	469781.7	3818922.75	3.72E-05	1.56E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.26E-07
3168	469785.49	3818914.06	3.74E-05	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.02E-05	2.42E-06	3.21E-06	1.06E-05	7.31E-07
3169	469798.1	3818901.88	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
3170	469806.91	3818898.38	4.00E-05	1.68E-04	1.51E-05	3.33E-05	1.23E-04	1.09E-05	3.77E-06	2.16E-05	2.58E-06	3.43E-06	1.13E-05	7.80E-07
3171	469815.73	3818894.89	4.11E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.88E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.03E-07
3172	469824.54	3818891.4	4.23E-05	1.78E-04	1.60E-05	3.52E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.63E-06	1.20E-05	8.26E-07
3173	469842.17	3818884.42	4.46E-05	1.87E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.21E-06	2.41E-05	2.88E-06	3.83E-06	1.26E-05	8.71E-07
3174	469850.99	3818880.93	4.58E-05	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.32E-06	2.48E-05	2.95E-06	3.93E-06	1.30E-05	8.94E-07
3175	469859.8	3818877.44	4.69E-05	1.97E-04	1.77E-05	3.91E-05	1.45E-04	1.27E-05	4.43E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.16E-07
3176	469868.62	3818873.94	4.80E-05	2.02E-04	1.82E-05	4.00E-05	1.48E-04	1.30E-05	4.54E-06	2.60E-05	3.10E-06	4.12E-06	1.36E-05	9.37E-07
3177	469877.43	3818870.45	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.59E-07
3178	469886.25	3818866.96	5.02E-05	2.11E-04	1.90E-05	4.19E-05	1.55E-04	1.36E-05	4.74E-06	2.72E-05	3.24E-06	4.31E-06	1.42E-05	9.80E-07
3179	469895.06	3818863.47	5.13E-05	2.16E-04	1.94E-05	4.28E-05	1.58E-04	1.39E-05	4.85E-06	2.77E-05	3.31E-06	4.41E-06	1.45E-05	1.00E-06
3180	469903.88	3818859.98	5.23E-05	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.94E-06	2.83E-05	3.38E-06	4.49E-06	1.48E-05	1.02E-06
3181	469912.69	3818856.49	5.33E-05	2.24E-04	2.02E-05	4.44E-05	1.65E-04	1.45E-05	5.03E-06	2.88E-05	3.44E-06	4.58E-06	1.51E-05	1.04E-06
3182	469921.51	3818853	5.43E-05	2.28E-04	2.05E-05	4.52E-05	1.67E-04	1.47E-05	5.13E-06	2.93E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
3183	469930.32	3818849.5	5.52E-05	2.32E-04	2.09E-05	4.60E-05	1.70E-04	1.50E-05	5.21E-06	2.99E-05	3.56E-06	4.74E-06	1.56E-05	1.08E-06
3184	469939.14	3818846.01	5.61E-05	2.36E-04	2.12E-05	4.67E-05	1.73E-04	1.52E-05	5.30E-06	3.03E-05	3.62E-06	4.82E-06	1.59E-05	1.09E-06
3185	469947.95	3818842.52	5.69E-05	2.39E-04	2.15E-05	4.74E-05	1.76E-04	1.55E-05	5.38E-06	3.08E-05	3.67E-06	4.89E-06	1.61E-05	1.11E-06
3186	469956.77	3818839.03	5.78E-05	2.43E-04	2.18E-05	4.81E-05	1.78E-04	1.57E-05	5.45E-06	3.12E-05	3.73E-06	4.96E-06	1.64E-05	1.13E-06
3187	469965.58	3818835.54	5.86E-05	2.46E-04	2.22E-05	4.88E-05	1.81E-04	1.59E-05	5.53E-06	3.17E-05	3.78E-06	5.03E-06	1.66E-05	1.14E-06
3188	469974.4	3818832.05	5.94E-05	2.50E-04	2.25E-05	4.95E-05	1.83E-04	1.61E-05	5.61E-06	3.21E-05	3.83E-06	5.10E-06	1.68E-05	1.16E-06
3189	469983.22	3818828.56	6.02E-05	2.53E-04	2.28E-05	5.02E-05	1.86E-04	1.63E-05	5.69E-06	3.26E-05	3.88E-06	5.17E-06	1.70E-05	1.17E-06
3190	469992.03	3818825.07	6.09E-05	2.56E-04	2.30E-05	5.08E-05	1.88E-04	1.65E-05	5.76E-06	3.29E-05	3.93E-06	5.23E-06	1.73E-05	1.19E-06
3191	470000.85	3818821.57	6.16E-05	2.59E-04	2.33E-05	5.13E-05	1.90E-04	1.67E-05	5.81E-06	3.33E-05	3.97E-06	5.29E-06	1.74E-05	1.20E-06
3192	470009.66	3818818.08	6.22E-05	2.61E-04	2.35E-05	5.18E-05	1.92E-04	1.69E-05	5.87E-06	3.36E-05	4.01E-06	5.34E-06	1.76E-05	1.21E-06
3193	470018.48	3818814.59	6.27E-05	2.63E-04	2.37E-05	5.22E-05	1.93E-04	1.70E-05	5.92E-06	3.39E-05	4.04E-06	5.38E-06	1.77E-05	1.22E-06
3194	470027.29	3818811.1	6.32E-05	2.65E-04	2.39E-05	5.26E-05	1.95E-04	1.72E-05	5.97E-06	3.42E-05	4.08E-06	5.42E-06	1.79E-05	1.23E-06
3195	470044.92	3818804.12	6.40E-05	2.69E-04	2.42E-05	5.33E-05	1.97E-04	1.74E-05	6.04E-06	3.46E-05	4.13E-06	5.49E-06	1.81E-05	1.25E-06
3196	470053.74	3818800.63	6.42E-05	2.70E-04	2.43E-05	5.35E-05	1.98E-04	1.74E-05	6.06E-06	3.47E-05	4.14E-06	5.51E-06	1.82E-05	1.25E-06
3197	470062.55	3818797.13	6.44E-05	2.71E-04	2.44E-05	5.37E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
3198	470071.37	3818793.64	6.45E-05	2.71E-04	2.44E-05	5.38E-05	1.99E-04	1.75E-05	6.09E-06	3.49E-05	4.16E-06	5.54E-06	1.83E-05	1.26E-06
3199	470080.18	3818790.15	6.46E-05	2.71E-04	2.44E-05	5.38E-05	1.99E-04	1.75E-05	6.10E-06	3.49E-05	4.17E-06	5.54E-06	1.83E-05	1.26E-06
3200	470089	3818786.66	6.45E-05	2.71E-04	2.44E-05	5.38E-05	1.99E-04	1.75E-05	6.09E-06	3.49E-05	4.16E-06	5.54E-06	1.83E-05	1.26E-06
3201	470097.81	3818783.17	6.44E-05	2.70E-04	2.44E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
3202	470106.63	3818779.68	6.42E-05	2.70E-04	2.43E-05	5.35E-05	1.98E-04	1.74E-05	6.06E-06	3.47E-05	4.14E-06	5.51E-06	1.82E-05	1.25E-06
3203	469616.67	3819208.65	1.76E-05	7.37E-05	6.64E-06	1.46E-05	5.42E-05	4.77E-06	1.66E-06	9.49E-06	1.13E-06	1.51E-06	4.97E-06	3.43E-07
3204	469620.48	3819199.92	1.77E-05	7.44E-05	6.70E-06	1.48E-05	5.47E-05	4.81E-06	1.67E-06	9.58E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
3205	469624.29	3819191.18	1.79E-05	7.53E-05	6.78E-06	1.49E-05	5.53E-05	4.87E-06	1.69E-06	9.69E-06	1.16E-06	1.54E-06	5.07E-06	3.50E-07
3206	469628.1	3819182.44	1.82E-05	7.62E-05	6.86E-06	1.51E-05	5.60E-05	4.93E-06	1.71E-06	9.81E-06	1.17E-06	1.56E-06	5.14E-06	3.54E-07
3207	469631.92	3819173.7	1.84E-05	7.74E-05	6.97E-06	1.53E-05	5.68E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
3208	469635.73	3819164.96	1.87E-05	7.86E-05	7.08E-06	1.56E-05	5.78E-05	5.08E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.30E-06	3.65E-07

3209	469639.54	3819156.23	1.91E-05	8.00E-05	7.21E-06	1.59E-05	5.88E-05	5.17E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
3210	469643.35	3819147.49	1.94E-05	8.16E-05	7.35E-06	1.62E-05	5.99E-05	5.27E-06	1.83E-06	1.05E-05	1.25E-06	1.67E-06	5.50E-06	3.79E-07
3211	469647.16	3819138.75	1.98E-05	8.32E-05	7.50E-06	1.65E-05	6.12E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.61E-06	3.87E-07
3212	469650.97	3819130.01	2.02E-05	8.50E-05	7.66E-06	1.69E-05	6.25E-05	5.50E-06	1.91E-06	1.09E-05	1.31E-06	1.74E-06	5.73E-06	3.95E-07
3213	469654.78	3819121.27	2.07E-05	8.69E-05	7.82E-06	1.72E-05	6.38E-05	5.62E-06	1.95E-06	1.12E-05	1.33E-06	1.78E-06	5.86E-06	4.04E-07
3214	469658.59	3819112.53	2.12E-05	8.89E-05	8.00E-06	1.76E-05	6.53E-05	5.74E-06	2.00E-06	1.14E-05	1.36E-06	1.82E-06	5.99E-06	4.13E-07
3215	469662.4	3819103.8	2.16E-05	9.08E-05	8.18E-06	1.80E-05	6.67E-05	5.87E-06	2.04E-06	1.17E-05	1.40E-06	1.86E-06	6.12E-06	4.22E-07
3216	469666.21	3819095.06	2.21E-05	9.27E-05	8.35E-06	1.84E-05	6.81E-05	5.99E-06	2.08E-06	1.19E-05	1.42E-06	1.90E-06	6.25E-06	4.31E-07
3217	469670.02	3819086.32	2.25E-05	9.46E-05	8.52E-06	1.88E-05	6.95E-05	6.12E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.38E-06	4.40E-07
3218	469673.83	3819077.58	2.30E-05	9.66E-05	8.70E-06	1.92E-05	7.10E-05	6.25E-06	2.17E-06	1.24E-05	1.48E-06	1.98E-06	6.51E-06	4.49E-07
3219	469677.64	3819068.84	2.35E-05	9.88E-05	8.90E-06	1.96E-05	7.26E-05	6.39E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.66E-06	4.59E-07
3220	469704.32	3819007.68	2.72E-05	1.14E-04	1.03E-05	2.27E-05	8.41E-05	7.40E-06	2.57E-06	1.47E-05	1.76E-06	2.34E-06	7.71E-06	5.32E-07
3221	469708.13	3818998.94	2.78E-05	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.53E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
3222	469715.75	3818981.46	2.87E-05	1.21E-04	1.09E-05	2.39E-05	8.86E-05	7.80E-06	2.71E-06	1.55E-05	1.85E-06	2.47E-06	8.13E-06	5.60E-07
3223	469719.56	3818972.72	2.92E-05	1.23E-04	1.10E-05	2.43E-05	9.01E-05	7.93E-06	2.76E-06	1.58E-05	1.88E-06	2.51E-06	8.26E-06	5.70E-07
3224	469723.37	3818963.99	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.15E-05	8.05E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.39E-06	5.79E-07
3225	469727.19	3818955.25	3.01E-05	1.26E-04	1.14E-05	2.51E-05	9.28E-05	8.17E-06	2.84E-06	1.63E-05	1.94E-06	2.58E-06	8.52E-06	5.87E-07
3226	469731	3818946.51	3.05E-05	1.28E-04	1.15E-05	2.54E-05	9.41E-05	8.28E-06	2.88E-06	1.65E-05	1.97E-06	2.62E-06	8.63E-06	5.95E-07
3227	469734.81	3818937.77	3.09E-05	1.30E-04	1.17E-05	2.57E-05	9.53E-05	8.38E-06	2.92E-06	1.67E-05	1.99E-06	2.65E-06	8.74E-06	6.03E-07
3228	469738.62	3818929.03	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.64E-05	8.48E-06	2.95E-06	1.69E-05	2.01E-06	2.68E-06	8.84E-06	6.09E-07
3229	469742.43	3818920.29	3.15E-05	1.32E-04	1.19E-05	2.63E-05	9.74E-05	8.56E-06	2.98E-06	1.71E-05	2.03E-06	2.71E-06	8.93E-06	6.16E-07
3230	469746.24	3818911.56	3.18E-05	1.34E-04	1.20E-05	2.65E-05	9.81E-05	8.63E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	9.00E-06	6.20E-07
3231	469750.05	3818902.82	3.20E-05	1.34E-04	1.21E-05	2.67E-05	9.88E-05	8.69E-06	3.02E-06	1.73E-05	2.06E-06	2.75E-06	9.06E-06	6.25E-07
3232	469753.86	3818894.08	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.94E-05	8.75E-06	3.04E-06	1.74E-05	2.08E-06	2.77E-06	9.12E-06	6.29E-07
3233	469757.67	3818885.34	3.24E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.18E-06	6.33E-07
3234	469770.35	3818873.09	3.36E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.11E-06	3.17E-06	1.81E-05	2.16E-06	2.88E-06	9.50E-06	6.55E-07
3235	469779.21	3818869.58	3.45E-05	1.45E-04	1.31E-05	2.87E-05	1.06E-04	9.37E-06	3.26E-06	1.87E-05	2.23E-06	2.96E-06	9.77E-06	6.73E-07
3236	469788.07	3818866.07	3.55E-05	1.49E-04	1.34E-05	2.96E-05	1.10E-04	9.64E-06	3.35E-06	1.92E-05	2.29E-06	3.05E-06	1.00E-05	6.93E-07
3237	469796.94	3818862.56	3.65E-05	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.90E-06	3.45E-06	1.97E-05	2.35E-06	3.13E-06	1.03E-05	7.12E-07
3238	469805.8	3818859.05	3.75E-05	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.31E-07
3239	469814.66	3818855.54	3.84E-05	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
3240	469823.52	3818852.03	3.93E-05	1.65E-04	1.49E-05	3.28E-05	1.21E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.68E-07
3241	469850.11	3818841.5	4.21E-05	1.77E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.97E-06	2.27E-05	2.71E-06	3.61E-06	1.19E-05	8.21E-07
3242	469858.98	3818837.99	4.29E-05	1.80E-04	1.62E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.38E-07
3243	469867.84	3818834.48	4.38E-05	1.84E-04	1.66E-05	3.65E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.82E-06	3.76E-06	1.24E-05	8.54E-07
3244	469876.7	3818830.97	4.46E-05	1.87E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.21E-06	2.41E-05	2.88E-06	3.83E-06	1.26E-05	8.71E-07
3245	469885.57	3818827.46	4.54E-05	1.91E-04	1.72E-05	3.78E-05	1.40E-04	1.23E-05	4.29E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.86E-07
3246	469894.43	3818823.95	4.62E-05	1.94E-04	1.75E-05	3.85E-05	1.43E-04	1.25E-05	4.36E-06	2.50E-05	2.98E-06	3.97E-06	1.31E-05	9.02E-07
3247	469903.29	3818820.44	4.70E-05	1.97E-04	1.78E-05	3.91E-05	1.45E-04	1.28E-05	4.44E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.17E-07
3248	469912.16	3818816.93	4.78E-05	2.01E-04	1.81E-05	3.98E-05	1.47E-04	1.30E-05	4.51E-06	2.58E-05	3.08E-06	4.10E-06	1.35E-05	9.32E-07
3249	469921.02	3818813.42	4.86E-05	2.04E-04	1.84E-05	4.04E-05	1.50E-04	1.32E-05	4.58E-06	2.62E-05	3.13E-06	4.17E-06	1.37E-05	9.47E-07
3250	469929.88	3818809.91	4.93E-05	2.07E-04	1.86E-05	4.11E-05	1.52E-04	1.34E-05	4.66E-06	2.67E-05	3.18E-06	4.23E-06	1.40E-05	9.62E-07
3251	469938.75	3818806.4	5.00E-05	2.10E-04	1.89E-05	4.16E-05	1.54E-04	1.36E-05	4.72E-06	2.70E-05	3.22E-06	4.29E-06	1.41E-05	9.75E-07
3252	469947.61	3818802.89	5.06E-05	2.13E-04	1.91E-05	4.21E-05	1.56E-04	1.37E-05	4.78E-06	2.74E-05	3.26E-06	4.34E-06	1.43E-05	9.87E-07
3253	469956.47	3818799.38	5.12E-05	2.15E-04	1.94E-05	4.27E-05	1.58E-04	1.39E-05	4.84E-06	2.77E-05	3.30E-06	4.40E-06	1.45E-05	9.99E-07
3254	469965.33	3818795.87	5.18E-05	2.18E-04	1.96E-05	4.32E-05	1.60E-04	1.41E-05	4.89E-06	2.80E-05	3.34E-06	4.45E-06	1.47E-05	1.01E-06
3255	469974.2	3818792.36	5.24E-05	2.20E-04	1.98E-05	4.37E-05	1.62E-04	1.42E-05	4.95E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
3256	469983.06	3818788.85	5.30E-05	2.22E-04	2.00E-05	4.41E-05	1.63E-04	1.44E-05	5.00E-06	2.86E-05	3.42E-06	4.55E-06	1.50E-05	1.03E-06
3257	469991.92	3818785.33	5.35E-05	2.24E-04	2.02E-05	4.45E-05	1.65E-04	1.45E-05	5.05E-06	2.89E-05	3.45E-06	4.59E-06	1.51E-05	1.04E-06
3258	470000.79	3818781.82	5.39E-05	2.26E-04	2.04E-05	4.49E-05	1.66E-04	1.46E-05	5.09E-06	2.91E-05	3.48E-06	4.63E-06	1.53E-05	1.05E-06
3259	470009.65	3818778.31	5.43E-05	2.28E-04	2.05E-05	4.52E-05	1.68E-04	1.47E-05	5.13E-06	2.94E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
3260	470018.51	3818774.8	5.47E-05	2.30E-04	2.07E-05	4.55E-05	1.69E-04	1.48E-05	5.16E-06	2.96E-05	3.53E-06	4.69E-06	1.55E-05	1.07E-06
3261	470027.38	3818771.29	5.50E-05	2.31E-04	2.08E-05	4.58E-05	1.70E-04	1.49E-05	5.20E-06	2.98E-05	3.55E-06	4.72E-06	1.56E-05	1.07E-06
3262	470045.1	3818764.27	5.56E-05	2.34E-04	2.10E-05	4.63E-05	1.72E-04	1.51E-05	5.25E-06	3.01E-05	3.59E-06	4.77E-06	1.57E-05	1.08E-06
3263	470107.15	3818739.7	5.57E-05	2.34E-04	2.11E-05	4.64E-05	1.72E-04	1.51E-05	5.26E-06	3.01E-05	3.59E-06	4.78E-06	1.58E-05	1.09E-06
3264	469607.5	3819303.32	1.97E-05	8.27E-05	7.45E-06	1.64E-05	6.08E-05	5.35E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.58E-06	3.84E-07
3265	469607.31	3819312.96	2.01E-05	8.46E-05	7.62E-06	1.68E-05	6.21E-05	5.47E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.70E-06	3.93E-07
3266	469607.12	3819322.61	2.06E-05	8.66E-05	7.80E-06	1.72E-05	6.36E-05	5.60E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.83E-06	4.02E-07
3267	469606.93	3819332.26	2.11E-05	8.87E-05	7.99E-06	1.76E-05	6.52E-05	5.73E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.98E-06	4.12E-07
3268	469606.73	3819341.91	2.17E-05	9.10E-05	8.20E-06	1.81E-05	6.69E-05	5.88E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.13E-06	4.23E-07
3269	469606.54	3819351.56	2.23E-05	9.35E-05	8.42E-06	1.85E-05	6.87E-05	6.04E-06	2.10E-06	1.20E-05	1.44E-06	1.91E-06	6.30E-06	4.34E-07
3270	469606.35	3819361.21	2.29E-05	9.61E-05	8.65E-06	1.91E-05	7.06E-05	6.21E-06	2.16E-06	1.24E-05	1.48E-06	1.96E-06	6.48E-06	4.46E-07
3271	469606.15	3819370.85	2.35E-05	9.89E-05	8.90E-06	1.96E-05	7.26E-05	6.39E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.66E-06	4.59E-07
3272	469605.96	3819380.5	2.43E-05	1.02E-04	9.17E-06	2.02E-05	7.48E-05	6.58E-06	2.29E-06	1.31E-05	1.56E-06	2.08E-06	6.86E-06	4.73E-07
3273	469605.77	3819390.15	2.50E-05	1.05E-04	9.45E-06	2.08E-05	7.71E-05	6.79E-06	2.36E-06	1.35E-05	1.61E-06	2.15E-06	7.08E-06	4.88E-07
3274	469605.57	3819399.8	2.58E-05	1.08E-04	9.75E-06	2.15E-05	7.96E-05	7.00E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.30E-06	5.03E-07
3275	469605.38	3819409.45	2.66E-05	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.51E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
3276	469605.19	3819419.09	2.76E-05	1.16E-04	1.04E-05	2.29E-05	8.50E-05	7.48E-06	2.60E-06	1.49E-05	1.78E-06	2.37E-06	7.80E-06	5.38E-07
3277	469604.99	3819428.74	2.85E-05	1.20E-04	1.08E-05	2.38E-05	8.80E-05	7.74E-06	2.69E-06	1.54E-05	1.84E-06	2.45E-06	8.07E-06	5.56E-07
3278	469604.8	3819438.39	2.95E-05	1.24E-04	1.12E-05	2.46E-05	9.11E-05	8.01E-06	2.79E-06	1.60E-05	1.90E-06	2.53E-06	8.35E-06	5.76E-07
3279	469576.72	3819207.77	1.51E-05	6.35E-05	5.72E-06	1.26E-05	4.67E-05	4.11E-06	1.43E-06	8.18E-06	9.76E-07	1.30E-06	4.28E-06	2.95E-07
3280	469580.54	3819198.99	1.52E-05	6.40E-05	5.77E-06	1.27E-05	4.70E-05	4.14E-06	1.44E-06	8.24E-06	9.83E-07	1.31E-06	4.32E-06	2.97E-07
3281	469584.37	3819190.21	1.54E-05	6.46E-05	5.82E-06	1.28E-05	4.75E-05	4.18E-06	1.45E-06	8.32E-06	9.92E-07	1.32E-06	4.35E-06	3.00E-07

3282	469588.2	3819181.44	1.56E-05	6.53E-05	5.88E-06	1.30E-05	4.80E-05	4.22E-06	1.47E-06	8.41E-06	1.00E-06	1.34E-06	4.40E-06	3.03E-07
3283	469592.03	3819172.66	1.57E-05	6.61E-05	5.95E-06	1.31E-05	4.86E-05	4.27E-06	1.49E-06	8.51E-06	1.02E-06	1.35E-06	4.46E-06	3.07E-07
3284	469595.86	3819163.88	1.60E-05	6.70E-05	6.03E-06	1.33E-05	4.92E-05	4.33E-06	1.51E-06	8.62E-06	1.03E-06	1.37E-06	4.52E-06	3.11E-07
3285	469599.69	3819155.1	1.62E-05	6.80E-05	6.12E-06	1.35E-05	5.00E-05	4.40E-06	1.53E-06	8.75E-06	1.04E-06	1.39E-06	4.58E-06	3.16E-07
3286	469603.51	3819146.32	1.65E-05	6.91E-05	6.22E-06	1.37E-05	5.08E-05	4.47E-06	1.55E-06	8.89E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
3287	469607.34	3819137.54	1.67E-05	7.03E-05	6.33E-06	1.39E-05	5.17E-05	4.54E-06	1.58E-06	9.05E-06	1.08E-06	1.44E-06	4.74E-06	3.27E-07
3288	469611.17	3819128.76	1.70E-05	7.16E-05	6.45E-06	1.42E-05	5.26E-05	4.63E-06	1.61E-06	9.22E-06	1.10E-06	1.46E-06	4.83E-06	3.33E-07
3289	469615	3819119.98	1.74E-05	7.30E-05	6.57E-06	1.45E-05	5.36E-05	4.72E-06	1.64E-06	9.39E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
3290	469618.83	3819111.21	1.77E-05	7.44E-05	6.70E-06	1.48E-05	5.47E-05	4.81E-06	1.67E-06	9.58E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
3291	469622.66	3819102.43	1.81E-05	7.60E-05	6.84E-06	1.51E-05	5.58E-05	4.91E-06	1.71E-06	9.78E-06	1.17E-06	1.55E-06	5.12E-06	3.53E-07
3292	469626.49	3819093.65	1.85E-05	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.02E-06	1.75E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.61E-07
3293	469630.31	3819084.87	1.89E-05	7.93E-05	7.14E-06	1.57E-05	5.83E-05	5.13E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.35E-06	3.69E-07
3294	469634.14	3819076.09	1.93E-05	8.11E-05	7.30E-06	1.61E-05	5.96E-05	5.24E-06	1.82E-06	1.04E-05	1.25E-06	1.66E-06	5.46E-06	3.77E-07
3295	469637.97	3819067.31	1.97E-05	8.29E-05	7.46E-06	1.64E-05	6.09E-05	5.36E-06	1.86E-06	1.07E-05	1.27E-06	1.69E-06	5.59E-06	3.85E-07
3296	469641.8	3819058.53	2.02E-05	8.47E-05	7.63E-06	1.68E-05	6.23E-05	5.48E-06	1.91E-06	1.09E-05	1.30E-06	1.73E-06	5.71E-06	3.94E-07
3297	469645.63	3819049.75	2.06E-05	8.66E-05	7.80E-06	1.72E-05	6.36E-05	5.60E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.84E-06	4.02E-07
3298	469649.46	3819040.97	2.11E-05	8.84E-05	7.96E-06	1.75E-05	6.50E-05	5.72E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.96E-06	4.11E-07
3299	469653.29	3819032.2	2.15E-05	9.02E-05	8.13E-06	1.79E-05	6.63E-05	5.83E-06	2.03E-06	1.16E-05	1.39E-06	1.84E-06	6.08E-06	4.19E-07
3300	469657.11	3819023.42	2.19E-05	9.20E-05	8.29E-06	1.82E-05	6.76E-05	5.95E-06	2.07E-06	1.18E-05	1.41E-06	1.88E-06	6.20E-06	4.27E-07
3301	469660.94	3819014.64	2.23E-05	9.38E-05	8.45E-06	1.86E-05	6.89E-05	6.06E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.32E-06	4.36E-07
3302	469664.77	3819005.86	2.28E-05	9.57E-05	8.62E-06	1.90E-05	7.03E-05	6.19E-06	2.15E-06	1.23E-05	1.47E-06	1.96E-06	6.45E-06	4.45E-07
3303	469668.6	3818997.08	2.33E-05	9.77E-05	8.79E-06	1.94E-05	7.18E-05	6.31E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.58E-06	4.54E-07
3304	469672.43	3818988.3	2.37E-05	9.95E-05	8.96E-06	1.97E-05	7.31E-05	6.43E-06	2.24E-06	1.28E-05	1.53E-06	2.03E-06	6.71E-06	4.62E-07
3305	469676.26	3818979.52	2.42E-05	1.02E-04	9.16E-06	2.02E-05	7.47E-05	6.57E-06	2.29E-06	1.31E-05	1.56E-06	2.08E-06	6.85E-06	4.72E-07
3306	469706.89	3818909.29	2.71E-05	1.14E-04	1.02E-05	2.26E-05	8.36E-05	7.35E-06	2.56E-06	1.46E-05	1.75E-06	2.33E-06	7.67E-06	5.29E-07
3307	469710.71	3818900.51	2.73E-05	1.15E-04	1.03E-05	2.28E-05	8.44E-05	7.42E-06	2.58E-06	1.48E-05	1.76E-06	2.35E-06	7.74E-06	5.34E-07
3308	469714.54	3818891.73	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.51E-05	7.49E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.81E-06	5.38E-07
3309	469718.37	3818882.96	2.78E-05	1.17E-04	1.05E-05	2.32E-05	8.59E-05	7.56E-06	2.63E-06	1.50E-05	1.80E-06	2.39E-06	7.88E-06	5.43E-07
3310	469722.2	3818874.18	2.81E-05	1.18E-04	1.06E-05	2.34E-05	8.66E-05	7.62E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.94E-06	5.47E-07
3311	469726.03	3818865.4	2.82E-05	1.19E-04	1.07E-05	2.35E-05	8.72E-05	7.67E-06	2.67E-06	1.53E-05	1.82E-06	2.43E-06	8.00E-06	5.51E-07
3312	469729.86	3818856.62	2.84E-05	1.19E-04	1.07E-05	2.36E-05	8.76E-05	7.71E-06	2.68E-06	1.53E-05	1.83E-06	2.44E-06	8.04E-06	5.54E-07
3313	469742.59	3818844.31	2.93E-05	1.23E-04	1.11E-05	2.44E-05	9.05E-05	7.96E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.30E-06	5.72E-07
3314	469751.49	3818840.79	3.02E-05	1.27E-04	1.14E-05	2.51E-05	9.30E-05	8.18E-06	2.85E-06	1.63E-05	1.94E-06	2.59E-06	8.54E-06	5.88E-07
3315	469760.4	3818837.26	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.55E-05	8.40E-06	2.92E-06	1.67E-05	2.00E-06	2.66E-06	8.76E-06	6.04E-07
3316	469769.3	3818833.73	3.17E-05	1.33E-04	1.20E-05	2.64E-05	9.79E-05	8.61E-06	3.00E-06	1.72E-05	2.05E-06	2.72E-06	8.98E-06	6.19E-07
3317	469778.21	3818830.21	3.25E-05	1.37E-04	1.23E-05	2.71E-05	1.00E-04	8.82E-06	3.07E-06	1.76E-05	2.10E-06	2.79E-06	9.20E-06	6.34E-07
3318	469787.11	3818826.68	3.33E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.03E-06	3.14E-06	1.80E-05	2.15E-06	2.86E-06	9.42E-06	6.49E-07
3319	469796.02	3818823.15	3.40E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.24E-06	3.22E-06	1.84E-05	2.20E-06	2.92E-06	9.64E-06	6.64E-07
3320	469804.92	3818819.63	3.48E-05	1.46E-04	1.32E-05	2.90E-05	1.07E-04	9.45E-06	3.29E-06	1.88E-05	2.25E-06	2.99E-06	9.86E-06	6.80E-07
3321	469813.82	3818816.1	3.56E-05	1.49E-04	1.35E-05	2.96E-05	1.10E-04	9.66E-06	3.36E-06	1.92E-05	2.30E-06	3.05E-06	1.01E-05	6.94E-07
3322	469822.73	3818812.57	3.63E-05	1.53E-04	1.37E-05	3.02E-05	1.12E-04	9.86E-06	3.43E-06	1.96E-05	2.34E-06	3.12E-06	1.03E-05	7.09E-07
3323	469849.44	3818801.99	3.84E-05	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
3324	469858.35	3818798.47	3.91E-05	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.36E-06	1.11E-05	7.63E-07
3325	469867.25	3818794.94	3.98E-05	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.75E-06	2.15E-05	2.56E-06	3.41E-06	1.13E-05	7.76E-07
3326	469876.15	3818791.41	4.04E-05	1.70E-04	1.53E-05	3.36E-05	1.25E-04	1.10E-05	3.81E-06	2.18E-05	2.60E-06	3.47E-06	1.14E-05	7.88E-07
3327	469885.06	3818787.89	4.10E-05	1.72E-04	1.55E-05	3.42E-05	1.27E-04	1.11E-05	3.87E-06	2.22E-05	2.64E-06	3.52E-06	1.16E-05	8.00E-07
3328	469893.96	3818784.36	4.16E-05	1.75E-04	1.57E-05	3.47E-05	1.28E-04	1.13E-05	3.93E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.12E-07
3329	469902.87	3818780.83	4.23E-05	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.64E-06	1.20E-05	8.26E-07
3330	469911.77	3818777.31	4.30E-05	1.80E-04	1.62E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.38E-07
3331	469920.68	3818773.78	4.36E-05	1.83E-04	1.65E-05	3.63E-05	1.34E-04	1.18E-05	4.11E-06	2.35E-05	2.81E-06	3.74E-06	1.23E-05	8.50E-07
3332	469929.58	3818770.25	4.41E-05	1.85E-04	1.67E-05	3.67E-05	1.36E-04	1.20E-05	4.16E-06	2.38E-05	2.84E-06	3.79E-06	1.25E-05	8.61E-07
3333	469938.49	3818766.73	4.46E-05	1.87E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.21E-06	2.41E-05	2.88E-06	3.83E-06	1.26E-05	8.70E-07
3334	469947.39	3818763.2	4.51E-05	1.89E-04	1.71E-05	3.76E-05	1.39E-04	1.22E-05	4.26E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.80E-07
3335	470054.24	3818720.88	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.57E-07
3336	470063.15	3818717.35	4.92E-05	2.06E-04	1.86E-05	4.10E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.59E-07
3337	470072.05	3818713.83	4.92E-05	2.07E-04	1.86E-05	4.10E-05	1.52E-04	1.34E-05	4.65E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.60E-07
3338	470080.96	3818710.3	4.92E-05	2.06E-04	1.86E-05	4.09E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.59E-07
3339	470089.86	3818706.77	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.57E-07
3340	470098.76	3818703.25	4.89E-05	2.05E-04	1.85E-05	4.07E-05	1.51E-04	1.33E-05	4.62E-06	2.64E-05	3.16E-06	4.20E-06	1.38E-05	9.55E-07
3341	470107.67	3818699.72	4.87E-05	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.60E-06	2.63E-05	3.14E-06	4.18E-06	1.38E-05	9.50E-07
3342	469567.71	3819292.87	1.67E-05	7.00E-05	6.30E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.01E-06	1.07E-06	1.43E-06	4.72E-06	3.25E-07
3343	469567.51	3819302.52	1.70E-05	7.14E-05	6.43E-06	1.42E-05	5.24E-05	4.61E-06	1.60E-06	9.19E-06	1.10E-06	1.46E-06	4.81E-06	3.32E-07
3344	469567.32	3819312.16	1.74E-05	7.29E-05	6.56E-06	1.45E-05	5.35E-05	4.71E-06	1.64E-06	9.38E-06	1.12E-06	1.49E-06	4.91E-06	3.39E-07
3345	469567.13	3819321.81	1.77E-05	7.45E-05	6.71E-06	1.48E-05	5.47E-05	4.81E-06	1.67E-06	9.59E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
3346	469566.93	3819331.46	1.81E-05	7.62E-05	6.86E-06	1.51E-05	5.60E-05	4.93E-06	1.71E-06	9.81E-06	1.17E-06	1.56E-06	5.14E-06	3.54E-07
3347	469566.74	3819341.11	1.86E-05	7.81E-05	7.03E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.00E-05	1.20E-06	1.60E-06	5.26E-06	3.63E-07
3348	469566.55	3819350.76	1.91E-05	8.00E-05	7.21E-06	1.59E-05	5.88E-05	5.17E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.39E-06	3.72E-07
3349	469566.35	3819360.4	1.96E-05	8.21E-05	7.39E-06	1.63E-05	6.03E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.53E-06	3.81E-07
3350	469566.16	3819370.05	2.01E-05	8.43E-05	7.59E-06	1.67E-05	6.20E-05	5.45E-06	1.90E-06	1.09E-05	1.30E-06	1.72E-06	5.68E-06	3.92E-07
3351	469565.97	3819379.7	2.06E-05	8.67E-05	7.80E-06	1.72E-05	6.37E-05	5.60E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.84E-06	4.03E-07
3352	469565.77	3819389.35	2.12E-05	8.91E-05	8.03E-06	1.77E-05	6.55E-05	5.76E-06	2.00E-06	1.15E-05	1.37E-06	1.82E-06	6.01E-06	4.14E-07
3353	469565.58	3819399	2.18E-05	9.17E-05	8.26E-06	1.82E-05	6.74E-05	5.93E-06	2.06E-06	1.18E-05	1.41E-06	1.88E-06	6.18E-06	4.26E-07
3354	469565.39	3819408.65	2.25E-05	9.45E-05	8.51E-06	1.87E-05	6.95E-05	6.11E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.37E-06	4.39E-07

3355	469565.19	3819418.29	2.32E-05	9.76E-05	8.79E-06	1.94E-05	7.17E-05	6.31E-06	2.19E-06	1.26E-05	1.50E-06	1.99E-06	6.58E-06	4.53E-07
3356	469565	3819427.94	2.40E-05	1.01E-04	9.08E-06	2.00E-05	7.41E-05	6.52E-06	2.27E-06	1.30E-05	1.55E-06	2.06E-06	6.79E-06	4.68E-07
3357	469564.81	3819437.59	2.48E-05	1.04E-04	9.38E-06	2.07E-05	7.65E-05	6.73E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.02E-06	4.84E-07
3358	469536.75	3819206.9	1.32E-05	5.53E-05	4.98E-06	1.10E-05	4.07E-05	3.58E-06	1.24E-06	7.12E-06	8.50E-07	1.13E-06	3.73E-06	2.57E-07
3359	469540.6	3819198.09	1.33E-05	5.57E-05	5.01E-06	1.10E-05	4.09E-05	3.60E-06	1.25E-06	7.17E-06	8.55E-07	1.14E-06	3.75E-06	2.59E-07
3360	469544.44	3819189.27	1.34E-05	5.61E-05	5.05E-06	1.11E-05	4.12E-05	3.63E-06	1.26E-06	7.22E-06	8.62E-07	1.15E-06	3.78E-06	2.61E-07
3361	469548.29	3819180.46	1.35E-05	5.66E-05	5.10E-06	1.12E-05	4.16E-05	3.66E-06	1.27E-06	7.29E-06	8.69E-07	1.16E-06	3.82E-06	2.63E-07
3362	469552.13	3819171.64	1.36E-05	5.72E-05	5.15E-06	1.13E-05	4.20E-05	3.70E-06	1.29E-06	7.36E-06	8.78E-07	1.17E-06	3.85E-06	2.66E-07
3363	469555.97	3819162.83	1.38E-05	5.78E-05	5.21E-06	1.15E-05	4.25E-05	3.74E-06	1.30E-06	7.44E-06	8.88E-07	1.18E-06	3.90E-06	2.69E-07
3364	469559.82	3819154.02	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.32E-06	7.54E-06	8.99E-07	1.20E-06	3.95E-06	2.72E-07
3365	469563.66	3819145.2	1.41E-05	5.94E-05	5.35E-06	1.18E-05	4.36E-05	3.84E-06	1.34E-06	7.64E-06	9.12E-07	1.21E-06	4.00E-06	2.76E-07
3366	469567.51	3819136.39	1.44E-05	6.03E-05	5.43E-06	1.20E-05	4.43E-05	3.90E-06	1.36E-06	7.76E-06	9.26E-07	1.23E-06	4.06E-06	2.80E-07
3367	469571.35	3819127.57	1.46E-05	6.13E-05	5.52E-06	1.22E-05	4.51E-05	3.96E-06	1.38E-06	7.89E-06	9.42E-07	1.25E-06	4.13E-06	2.85E-07
3368	469575.19	3819118.76	1.49E-05	6.24E-05	5.62E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.03E-06	9.58E-07	1.28E-06	4.20E-06	2.90E-07
3369	469579.04	3819109.95	1.51E-05	6.35E-05	5.72E-06	1.26E-05	4.67E-05	4.11E-06	1.43E-06	8.18E-06	9.76E-07	1.30E-06	4.28E-06	2.95E-07
3370	469582.88	3819101.13	1.54E-05	6.47E-05	5.83E-06	1.28E-05	4.76E-05	4.18E-06	1.46E-06	8.33E-06	9.94E-07	1.32E-06	4.36E-06	3.01E-07
3371	469586.73	3819092.32	1.57E-05	6.60E-05	5.94E-06	1.31E-05	4.85E-05	4.26E-06	1.48E-06	8.49E-06	1.01E-06	1.35E-06	4.45E-06	3.06E-07
3372	469590.57	3819083.5	1.60E-05	6.73E-05	6.06E-06	1.34E-05	4.95E-05	4.35E-06	1.51E-06	8.67E-06	1.03E-06	1.38E-06	4.54E-06	3.13E-07
3373	469594.41	3819074.69	1.64E-05	6.87E-05	6.19E-06	1.36E-05	5.05E-05	4.44E-06	1.55E-06	8.85E-06	1.06E-06	1.40E-06	4.63E-06	3.19E-07
3374	469598.26	3819065.87	1.67E-05	7.01E-05	6.31E-06	1.39E-05	5.15E-05	4.53E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
3375	469602.1	3819057.06	1.70E-05	7.15E-05	6.44E-06	1.42E-05	5.26E-05	4.62E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
3376	469605.95	3819048.25	1.74E-05	7.30E-05	6.58E-06	1.45E-05	5.36E-05	4.72E-06	1.64E-06	9.40E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
3377	469609.79	3819039.43	1.78E-05	7.46E-05	6.72E-06	1.48E-05	5.48E-05	4.82E-06	1.68E-06	9.60E-06	1.15E-06	1.52E-06	5.03E-06	3.47E-07
3378	469613.63	3819030.62	1.81E-05	7.62E-05	6.86E-06	1.51E-05	5.60E-05	4.92E-06	1.71E-06	9.81E-06	1.17E-06	1.56E-06	5.13E-06	3.54E-07
3379	469617.48	3819021.8	1.85E-05	7.78E-05	7.00E-06	1.54E-05	5.71E-05	5.03E-06	1.75E-06	1.00E-05	1.19E-06	1.59E-06	5.24E-06	3.61E-07
3380	469621.32	3819012.99	1.89E-05	7.94E-05	7.15E-06	1.57E-05	5.83E-05	5.13E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.35E-06	3.69E-07
3381	469625.16	3819004.18	1.93E-05	8.10E-05	7.29E-06	1.61E-05	5.95E-05	5.24E-06	1.82E-06	1.04E-05	1.24E-06	1.66E-06	5.46E-06	3.76E-07
3382	469629.01	3818995.36	1.97E-05	8.26E-05	7.44E-06	1.64E-05	6.07E-05	5.34E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.57E-06	3.84E-07
3383	469632.85	3818986.55	2.01E-05	8.43E-05	7.59E-06	1.67E-05	6.19E-05	5.45E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.68E-06	3.92E-07
3384	469636.7	3818977.73	2.05E-05	8.61E-05	7.76E-06	1.71E-05	6.33E-05	5.57E-06	1.94E-06	1.11E-05	1.32E-06	1.76E-06	5.81E-06	4.00E-07
3385	469640.54	3818968.92	2.09E-05	8.76E-05	7.89E-06	1.74E-05	6.44E-05	5.66E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.07E-07
3386	469644.38	3818960.1	2.12E-05	8.91E-05	8.02E-06	1.77E-05	6.55E-05	5.76E-06	2.00E-06	1.15E-05	1.37E-06	1.82E-06	6.01E-06	4.14E-07
3387	469648.23	3818951.29	2.16E-05	9.06E-05	8.16E-06	1.80E-05	6.65E-05	5.85E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.10E-06	4.21E-07
3388	469652.07	3818942.48	2.19E-05	9.20E-05	8.29E-06	1.83E-05	6.76E-05	5.95E-06	2.07E-06	1.18E-05	1.41E-06	1.88E-06	6.20E-06	4.28E-07
3389	469655.92	3818933.66	2.22E-05	9.34E-05	8.41E-06	1.85E-05	6.87E-05	6.04E-06	2.10E-06	1.20E-05	1.44E-06	1.91E-06	6.30E-06	4.34E-07
3390	469659.76	3818924.85	2.26E-05	9.48E-05	8.54E-06	1.88E-05	6.97E-05	6.13E-06	2.13E-06	1.22E-05	1.46E-06	1.94E-06	6.39E-06	4.40E-07
3391	469714.83	3818815.54	2.58E-05	1.08E-04	9.75E-06	2.15E-05	7.95E-05	7.00E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.30E-06	5.03E-07
3392	469723.77	3818812	2.65E-05	1.11E-04	1.00E-05	2.20E-05	8.16E-05	7.18E-06	2.50E-06	1.43E-05	1.71E-06	2.27E-06	7.49E-06	5.16E-07
3393	469732.71	3818808.46	2.71E-05	1.14E-04	1.03E-05	2.26E-05	8.37E-05	7.36E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.68E-06	5.29E-07
3394	469741.65	3818804.91	2.78E-05	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.39E-06	7.87E-06	5.42E-07
3395	469750.59	3818801.37	2.84E-05	1.19E-04	1.08E-05	2.37E-05	8.77E-05	7.72E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
3396	469759.53	3818797.83	2.91E-05	1.22E-04	1.10E-05	2.42E-05	8.97E-05	7.89E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.23E-06	5.67E-07
3397	469768.47	3818794.29	2.97E-05	1.25E-04	1.12E-05	2.48E-05	9.17E-05	8.07E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.41E-06	5.80E-07
3398	469777.41	3818790.75	3.04E-05	1.28E-04	1.15E-05	2.53E-05	9.37E-05	8.25E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.60E-06	5.93E-07
3399	469786.35	3818787.21	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.57E-05	8.42E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.78E-06	6.05E-07
3400	469795.29	3818783.67	3.16E-05	1.33E-04	1.20E-05	2.63E-05	9.76E-05	8.58E-06	2.99E-06	1.71E-05	2.04E-06	2.71E-06	8.95E-06	6.17E-07
3401	469804.23	3818780.13	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.94E-05	8.74E-06	3.04E-06	1.74E-05	2.08E-06	2.77E-06	9.12E-06	6.29E-07
3402	469813.17	3818776.59	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.90E-06	3.10E-06	1.77E-05	2.11E-06	2.81E-06	9.28E-06	6.40E-07
3403	469822.11	3818773.05	3.34E-05	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.07E-06	3.15E-06	1.81E-05	2.15E-06	2.87E-06	9.45E-06	6.52E-07
3404	469848.93	3818762.42	3.51E-05	1.47E-04	1.33E-05	2.92E-05	1.08E-04	9.53E-06	3.31E-06	1.90E-05	2.26E-06	3.01E-06	9.93E-06	6.85E-07
3405	470054.56	3818680.98	4.33E-05	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.17E-05	4.09E-06	2.34E-05	2.79E-06	3.72E-06	1.23E-05	8.45E-07
3406	470063.5	3818677.44	4.33E-05	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.09E-06	2.34E-05	2.80E-06	3.72E-06	1.23E-05	8.46E-07
3407	470072.44	3818673.9	4.34E-05	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.09E-06	2.34E-05	2.80E-06	3.72E-06	1.23E-05	8.46E-07
3408	470081.38	3818670.36	4.33E-05	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.09E-06	2.34E-05	2.79E-06	3.72E-06	1.23E-05	8.45E-07
3409	470090.32	3818666.82	4.33E-05	1.82E-04	1.64E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.44E-07
3410	470099.26	3818663.28	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.41E-07
3411	470108.2	3818659.74	4.29E-05	1.80E-04	1.62E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.38E-07
3412	469527.71	3819292.07	1.45E-05	6.09E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.84E-06	9.36E-07	1.25E-06	4.11E-06	2.83E-07
3413	469527.52	3819301.71	1.48E-05	6.21E-05	5.59E-06	1.23E-05	4.56E-05	4.02E-06	1.40E-06	8.00E-06	9.54E-07	1.27E-06	4.19E-06	2.89E-07
3414	469527.33	3819311.36	1.51E-05	6.34E-05	5.71E-06	1.26E-05	4.66E-05	4.10E-06	1.43E-06	8.17E-06	9.74E-07	1.30E-06	4.28E-06	2.95E-07
3415	469527.13	3819321.01	1.54E-05	6.48E-05	5.83E-06	1.28E-05	4.76E-05	4.19E-06	1.46E-06	8.34E-06	9.95E-07	1.32E-06	4.37E-06	3.01E-07
3416	469526.94	3819330.66	1.58E-05	6.62E-05	5.96E-06	1.31E-05	4.86E-05	4.28E-06	1.49E-06	8.52E-06	1.02E-06	1.35E-06	4.46E-06	3.08E-07
3417	469526.75	3819340.31	1.61E-05	6.77E-05	6.10E-06	1.34E-05	4.97E-05	4.38E-06	1.52E-06	8.71E-06	1.04E-06	1.38E-06	4.56E-06	3.15E-07
3418	469526.55	3819349.96	1.65E-05	6.93E-05	6.24E-06	1.37E-05	5.09E-05	4.48E-06	1.56E-06	8.92E-06	1.06E-06	1.42E-06	4.67E-06	3.22E-07
3419	469526.36	3819359.6	1.69E-05	7.10E-05	6.39E-06	1.41E-05	5.22E-05	4.59E-06	1.60E-06	9.14E-06	1.09E-06	1.45E-06	4.78E-06	3.30E-07
3420	469526.17	3819369.25	1.73E-05	7.28E-05	6.55E-06	1.44E-05	5.35E-05	4.70E-06	1.64E-06	9.37E-06	1.12E-06	1.49E-06	4.90E-06	3.38E-07
3421	469525.98	3819378.9	1.78E-05	7.46E-05	6.72E-06	1.48E-05	5.49E-05	4.83E-06	1.68E-06	9.61E-06	1.15E-06	1.53E-06	5.03E-06	3.47E-07
3422	469525.78	3819388.55	1.82E-05	7.66E-05	6.90E-06	1.52E-05	5.63E-05	4.95E-06	1.72E-06	9.86E-06	1.18E-06	1.57E-06	5.16E-06	3.56E-07
3423	469525.59	3819398.2	1.87E-05	7.87E-05	7.09E-06	1.56E-05	5.78E-05	5.09E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
3424	469525.4	3819407.84	1.93E-05	8.09E-05	7.29E-06	1.60E-05	5.95E-05	5.23E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.45E-06	3.76E-07
3425	469525.2	3819417.49	1.98E-05	8.34E-05	7.51E-06	1.65E-05	6.12E-05	5.39E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.62E-06	3.87E-07
3426	469525.01	3819427.14	2.05E-05	8.59E-05	7.74E-06	1.70E-05	6.31E-05	5.55E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.79E-06	3.99E-07
3427	469524.82	3819436.79	2.11E-05	8.86E-05	7.98E-06	1.76E-05	6.51E-05	5.73E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.97E-06	4.12E-07

3428	469500.65	3819197.19	1.16E-05	4.89E-05	4.40E-06	9.70E-06	3.59E-05	3.16E-06	1.10E-06	6.29E-06	7.51E-07	9.99E-07	3.30E-06	2.27E-07
3429	469504.5	3819188.35	1.17E-05	4.92E-05	4.43E-06	9.75E-06	3.61E-05	3.18E-06	1.11E-06	6.33E-06	7.55E-07	1.01E-06	3.31E-06	2.28E-07
3430	469508.36	3819179.5	1.18E-05	4.95E-05	4.46E-06	9.83E-06	3.64E-05	3.20E-06	1.11E-06	6.38E-06	7.61E-07	1.01E-06	3.34E-06	2.30E-07
3431	469512.22	3819170.66	1.19E-05	5.00E-05	4.50E-06	9.91E-06	3.67E-05	3.23E-06	1.12E-06	6.43E-06	7.67E-07	1.02E-06	3.37E-06	2.32E-07
3432	469516.08	3819161.81	1.20E-05	5.04E-05	4.54E-06	1.00E-05	3.70E-05	3.26E-06	1.13E-06	6.49E-06	7.74E-07	1.03E-06	3.40E-06	2.34E-07
3433	469519.93	3819152.97	1.21E-05	5.09E-05	4.58E-06	1.01E-05	3.74E-05	3.29E-06	1.14E-06	6.55E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
3434	469523.79	3819144.12	1.22E-05	5.14E-05	4.63E-06	1.02E-05	3.78E-05	3.32E-06	1.16E-06	6.62E-06	7.90E-07	1.05E-06	3.47E-06	2.39E-07
3435	469527.65	3819135.28	1.24E-05	5.20E-05	4.68E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.70E-06	7.99E-07	1.06E-06	3.51E-06	2.42E-07
3436	469531.51	3819126.43	1.26E-05	5.28E-05	4.75E-06	1.05E-05	3.88E-05	3.41E-06	1.19E-06	6.80E-06	8.11E-07	1.08E-06	3.56E-06	2.45E-07
3437	469535.36	3819117.59	1.28E-05	5.36E-05	4.83E-06	1.06E-05	3.94E-05	3.46E-06	1.21E-06	6.90E-06	8.23E-07	1.10E-06	3.61E-06	2.49E-07
3438	469539.22	3819108.74	1.30E-05	5.45E-05	4.91E-06	1.08E-05	4.01E-05	3.52E-06	1.23E-06	7.02E-06	8.37E-07	1.11E-06	3.67E-06	2.53E-07
3439	469543.08	3819099.9	1.32E-05	5.55E-05	5.00E-06	1.10E-05	4.08E-05	3.59E-06	1.25E-06	7.14E-06	8.52E-07	1.13E-06	3.74E-06	2.58E-07
3440	469546.94	3819091.05	1.35E-05	5.65E-05	5.09E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.27E-06	8.68E-07	1.16E-06	3.81E-06	2.63E-07
3441	469550.79	3819082.21	1.37E-05	5.76E-05	5.19E-06	1.14E-05	4.23E-05	3.72E-06	1.29E-06	7.41E-06	8.84E-07	1.18E-06	3.88E-06	2.68E-07
3442	469554.65	3819073.36	1.40E-05	5.87E-05	5.28E-06	1.16E-05	4.31E-05	3.79E-06	1.32E-06	7.55E-06	9.01E-07	1.20E-06	3.95E-06	2.73E-07
3443	469558.51	3819064.52	1.43E-05	5.99E-05	5.39E-06	1.19E-05	4.40E-05	3.87E-06	1.35E-06	7.71E-06	9.19E-07	1.22E-06	4.03E-06	2.78E-07
3444	469562.37	3819055.67	1.45E-05	6.11E-05	5.50E-06	1.21E-05	4.49E-05	3.95E-06	1.37E-06	7.86E-06	9.38E-07	1.25E-06	4.12E-06	2.84E-07
3445	469566.22	3819046.83	1.48E-05	6.23E-05	5.61E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.03E-06	9.58E-07	1.27E-06	4.20E-06	2.90E-07
3446	469570.08	3819037.98	1.51E-05	6.34E-05	5.71E-06	1.26E-05	4.66E-05	4.10E-06	1.42E-06	8.16E-06	9.73E-07	1.30E-06	4.27E-06	2.94E-07
3447	469573.94	3819029.13	1.54E-05	6.47E-05	5.83E-06	1.28E-05	4.75E-05	4.18E-06	1.46E-06	8.33E-06	9.94E-07	1.32E-06	4.36E-06	3.01E-07
3448	469577.8	3819020.29	1.57E-05	6.61E-05	5.95E-06	1.31E-05	4.86E-05	4.27E-06	1.49E-06	8.51E-06	1.02E-06	1.35E-06	4.46E-06	3.07E-07
3449	469581.65	3819011.44	1.61E-05	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.56E-06	3.14E-07
3450	469585.51	3819002.6	1.65E-05	6.91E-05	6.23E-06	1.37E-05	5.08E-05	4.47E-06	1.55E-06	8.90E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
3451	469589.37	3818993.75	1.68E-05	7.06E-05	6.36E-06	1.40E-05	5.19E-05	4.57E-06	1.59E-06	9.09E-06	1.09E-06	1.44E-06	4.76E-06	3.28E-07
3452	469593.23	3818984.91	1.72E-05	7.21E-05	6.50E-06	1.43E-05	5.30E-05	4.66E-06	1.62E-06	9.29E-06	1.11E-06	1.47E-06	4.86E-06	3.35E-07
3453	469597.08	3818976.06	1.75E-05	7.35E-05	6.62E-06	1.46E-05	5.40E-05	4.75E-06	1.65E-06	9.47E-06	1.13E-06	1.50E-06	4.96E-06	3.42E-07
3454	469600.94	3818967.22	1.78E-05	7.49E-05	6.74E-06	1.49E-05	5.50E-05	4.84E-06	1.68E-06	9.64E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
3455	469604.8	3818958.37	1.82E-05	7.62E-05	6.86E-06	1.51E-05	5.60E-05	4.93E-06	1.71E-06	9.81E-06	1.17E-06	1.56E-06	5.14E-06	3.54E-07
3456	469608.66	3818949.53	1.85E-05	7.75E-05	6.98E-06	1.54E-05	5.70E-05	5.01E-06	1.74E-06	9.98E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
3457	469612.51	3818940.68	1.88E-05	7.88E-05	7.10E-06	1.56E-05	5.79E-05	5.09E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
3458	469616.37	3818931.84	1.91E-05	8.01E-05	7.21E-06	1.59E-05	5.88E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
3459	469705.01	3818779.66	2.40E-05	1.01E-04	9.06E-06	2.00E-05	7.39E-05	6.50E-06	2.26E-06	1.29E-05	1.54E-06	2.06E-06	6.78E-06	4.67E-07
3460	469713.98	3818776.1	2.45E-05	1.03E-04	9.27E-06	2.04E-05	7.56E-05	6.65E-06	2.31E-06	1.33E-05	1.58E-06	2.10E-06	6.94E-06	4.78E-07
3461	469722.95	3818772.55	2.51E-05	1.05E-04	9.48E-06	2.09E-05	7.74E-05	6.80E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.89E-07
3462	469731.92	3818769	2.56E-05	1.08E-04	9.69E-06	2.13E-05	7.91E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.25E-06	5.00E-07
3463	469740.89	3818765.44	2.62E-05	1.10E-04	9.90E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
3464	469812.67	3818737.02	3.03E-05	1.27E-04	1.14E-05	2.52E-05	9.34E-05	8.21E-06	2.86E-06	1.64E-05	1.95E-06	2.60E-06	8.56E-06	5.90E-07
3465	469821.64	3818733.46	3.07E-05	1.29E-04	1.16E-05	2.56E-05	9.48E-05	8.34E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.69E-06	5.99E-07
3466	469830.61	3818729.91	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.61E-05	8.46E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.82E-06	6.08E-07
3467	469839.58	3818726.36	3.16E-05	1.33E-04	1.19E-05	2.63E-05	9.75E-05	8.57E-06	2.98E-06	1.71E-05	2.04E-06	2.71E-06	8.94E-06	6.16E-07
3468	469848.55	3818722.8	3.20E-05	1.34E-04	1.21E-05	2.67E-05	9.87E-05	8.69E-06	3.02E-06	1.73E-05	2.06E-06	2.75E-06	9.06E-06	6.24E-07
3469	469857.52	3818719.25	3.24E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.18E-06	6.33E-07
3470	469866.5	3818715.7	3.28E-05	1.38E-04	1.24E-05	2.74E-05	1.01E-04	8.92E-06	3.10E-06	1.78E-05	2.12E-06	2.82E-06	9.30E-06	6.41E-07
3471	469875.47	3818712.14	3.32E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.02E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
3472	469884.44	3818708.59	3.36E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.11E-06	3.17E-06	1.81E-05	2.17E-06	2.88E-06	9.50E-06	6.55E-07
3473	469893.41	3818705.04	3.39E-05	1.42E-04	1.28E-05	2.83E-05	1.05E-04	9.21E-06	3.20E-06	1.83E-05	2.19E-06	2.91E-06	9.60E-06	6.62E-07
3474	469902.38	3818701.48	3.43E-05	1.44E-04	1.30E-05	2.85E-05	1.06E-04	9.30E-06	3.24E-06	1.85E-05	2.21E-06	2.94E-06	9.70E-06	6.69E-07
3475	469911.35	3818697.93	3.46E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.40E-06	3.27E-06	1.87E-05	2.23E-06	2.97E-06	9.80E-06	6.75E-07
3476	470010.04	3818658.84	3.77E-05	1.58E-04	1.42E-05	3.14E-05	1.16E-04	1.02E-05	3.56E-06	2.04E-05	2.43E-06	3.23E-06	1.07E-05	7.35E-07
3477	470019.01	3818655.29	3.79E-05	1.59E-04	1.43E-05	3.16E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.45E-06	3.26E-06	1.07E-05	7.40E-07
3478	470027.99	3818651.74	3.81E-05	1.60E-04	1.44E-05	3.17E-05	1.18E-04	1.03E-05	3.60E-06	2.06E-05	2.46E-06	3.27E-06	1.08E-05	7.44E-07
3479	470036.96	3818648.18	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.47E-06	3.29E-06	1.08E-05	7.47E-07
3480	470045.93	3818644.63	3.84E-05	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.49E-07
3481	470054.9	3818641.08	3.85E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.08E-05	2.49E-06	3.31E-06	1.09E-05	7.52E-07
3482	470063.87	3818637.52	3.87E-05	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.49E-06	3.32E-06	1.09E-05	7.55E-07
3483	470072.84	3818633.97	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
3484	470081.82	3818630.42	3.86E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
3485	470090.79	3818626.86	3.85E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.04E-05	3.64E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.51E-07
3486	470099.76	3818623.31	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
3487	470108.73	3818619.76	3.87E-05	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.50E-06	3.32E-06	1.10E-05	7.55E-07
3488	469488.69	3819243.02	1.18E-05	4.95E-05	4.46E-06	9.82E-06	3.64E-05	3.20E-06	1.11E-06	6.37E-06	7.61E-07	1.01E-06	3.34E-06	2.30E-07
3489	469488.49	3819252.67	1.19E-05	5.02E-05	4.52E-06	9.95E-06	3.69E-05	3.24E-06	1.13E-06	6.46E-06	7.71E-07	1.03E-06	3.38E-06	2.33E-07
3490	469488.3	3819262.32	1.21E-05	5.09E-05	4.58E-06	1.01E-05	3.74E-05	3.29E-06	1.14E-06	6.55E-06	7.82E-07	1.04E-06	3.43E-06	2.36E-07
3491	469488.11	3819271.97	1.23E-05	5.17E-05	4.65E-06	1.02E-05	3.80E-05	3.34E-06	1.16E-06	6.65E-06	7.94E-07	1.06E-06	3.48E-06	2.40E-07
3492	469487.92	3819281.62	1.25E-05	5.25E-05	4.73E-06	1.04E-05	3.86E-05	3.40E-06	1.18E-06	6.76E-06	8.07E-07	1.07E-06	3.54E-06	2.44E-07
3493	469487.72	3819291.27	1.27E-05	5.35E-05	4.82E-06	1.06E-05	3.93E-05	3.46E-06	1.20E-06	6.89E-06	8.22E-07	1.09E-06	3.61E-06	2.49E-07
3494	469487.53	3819300.91	1.30E-05	5.46E-05	4.91E-06	1.08E-05	4.01E-05	3.53E-06	1.23E-06	7.02E-06	8.38E-07	1.12E-06	3.68E-06	2.54E-07
3495	469487.34	3819310.56	1.33E-05	5.57E-05	5.02E-06	1.11E-05	4.09E-05	3.60E-06	1.25E-06	7.17E-06	8.56E-07	1.14E-06	3.76E-06	2.59E-07
3496	469487.14	3819320.21	1.35E-05	5.69E-05	5.12E-06	1.13E-05	4.18E-05	3.68E-06	1.28E-06	7.32E-06	8.74E-07	1.16E-06	3.83E-06	2.64E-07
3497	469486.95	3819329.86	1.38E-05	5.81E-05	5.23E-06	1.15E-05	4.27E-05	3.75E-06	1.31E-06	7.47E-06	8.92E-07	1.19E-06	3.91E-06	2.70E-07
3498	469486.76	3819339.51	1.41E-05	5.93E-05	5.34E-06	1.18E-05	4.36E-05	3.83E-06	1.33E-06	7.63E-06	9.11E-07	1.21E-06	4.00E-06	2.76E-07
3499	469486.56	3819349.15	1.44E-05	6.06E-05	5.46E-06	1.20E-05	4.45E-05	3.92E-06	1.36E-06	7.80E-06	9.31E-07	1.24E-06	4.09E-06	2.82E-07
3500	469486.37	3819358.8	1.48E-05	6.20E-05	5.58E-06	1.23E-05	4.55E-05	4.01E-06	1.39E-06	7.98E-06	9.52E-07	1.27E-06	4.18E-06	2.88E-07

3501	469486.18	3819368.45	1.51E-05	6.34E-05	5.71E-06	1.26E-05	4.66E-05	4.10E-06	1.43E-06	8.17E-06	9.74E-07	1.30E-06	4.28E-06	2.95E-07
3502	469485.98	3819378.1	1.55E-05	6.50E-05	5.85E-06	1.29E-05	4.77E-05	4.20E-06	1.46E-06	8.36E-06	9.98E-07	1.33E-06	4.38E-06	3.02E-07
3503	469485.79	3819387.75	1.59E-05	6.66E-05	5.99E-06	1.32E-05	4.89E-05	4.30E-06	1.50E-06	8.57E-06	1.02E-06	1.36E-06	4.49E-06	3.09E-07
3504	469485.6	3819397.4	1.63E-05	6.83E-05	6.15E-06	1.35E-05	5.02E-05	4.41E-06	1.53E-06	8.79E-06	1.05E-06	1.40E-06	4.60E-06	3.17E-07
3505	469485.4	3819407.04	1.67E-05	7.00E-05	6.31E-06	1.39E-05	5.15E-05	4.53E-06	1.57E-06	9.01E-06	1.08E-06	1.43E-06	4.72E-06	3.25E-07
3506	469485.21	3819416.69	1.71E-05	7.19E-05	6.47E-06	1.43E-05	5.28E-05	4.65E-06	1.62E-06	9.25E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
3507	469485.02	3819426.34	1.76E-05	7.38E-05	6.65E-06	1.46E-05	5.43E-05	4.77E-06	1.66E-06	9.51E-06	1.13E-06	1.51E-06	4.98E-06	3.43E-07
3508	469484.82	3819435.99	1.81E-05	7.59E-05	6.83E-06	1.50E-05	5.58E-05	4.90E-06	1.71E-06	9.77E-06	1.17E-06	1.55E-06	5.11E-06	3.53E-07
3509	469502.23	3819101.05	1.12E-05	4.70E-05	4.24E-06	9.33E-06	3.46E-05	3.04E-06	1.06E-06	6.05E-06	7.22E-07	9.61E-07	3.17E-06	2.19E-07
3510	469506.03	3819092.35	1.14E-05	4.79E-05	4.31E-06	9.50E-06	3.52E-05	3.09E-06	1.08E-06	6.16E-06	7.35E-07	9.79E-07	3.23E-06	2.22E-07
3511	469509.83	3819083.64	1.18E-05	4.96E-05	4.47E-06	9.85E-06	3.65E-05	3.21E-06	1.12E-06	6.39E-06	7.62E-07	1.01E-06	3.35E-06	2.31E-07
3512	469513.62	3819074.94	1.18E-05	4.98E-05	4.48E-06	9.87E-06	3.66E-05	3.22E-06	1.12E-06	6.41E-06	7.64E-07	1.02E-06	3.35E-06	2.31E-07
3513	469517.42	3819066.23	1.21E-05	5.07E-05	4.56E-06	1.01E-05	3.72E-05	3.28E-06	1.14E-06	6.52E-06	7.79E-07	1.04E-06	3.42E-06	2.36E-07
3514	469521.21	3819057.53	1.23E-05	5.17E-05	4.66E-06	1.03E-05	3.80E-05	3.34E-06	1.16E-06	6.65E-06	7.94E-07	1.06E-06	3.48E-06	2.40E-07
3515	469525.01	3819048.82	1.26E-05	5.28E-05	4.75E-06	1.05E-05	3.88E-05	3.41E-06	1.19E-06	6.80E-06	8.11E-07	1.08E-06	3.56E-06	2.45E-07
3516	469528.81	3819040.12	1.28E-05	5.39E-05	4.86E-06	1.07E-05	3.96E-05	3.49E-06	1.21E-06	6.94E-06	8.28E-07	1.10E-06	3.63E-06	2.51E-07
3517	469532.6	3819031.41	1.31E-05	5.51E-05	4.96E-06	1.09E-05	4.05E-05	3.56E-06	1.24E-06	7.09E-06	8.46E-07	1.13E-06	3.71E-06	2.56E-07
3518	469536.4	3819022.71	1.34E-05	5.62E-05	5.06E-06	1.11E-05	4.13E-05	3.63E-06	1.26E-06	7.23E-06	8.63E-07	1.15E-06	3.79E-06	2.61E-07
3519	469540.2	3819014	1.37E-05	5.74E-05	5.17E-06	1.14E-05	4.21E-05	3.71E-06	1.29E-06	7.38E-06	8.81E-07	1.17E-06	3.87E-06	2.66E-07
3520	469543.99	3819005.3	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.32E-06	7.53E-06	8.99E-07	1.20E-06	3.94E-06	2.72E-07
3521	469547.79	3818996.59	1.42E-05	5.97E-05	5.38E-06	1.18E-05	4.39E-05	3.86E-06	1.34E-06	7.69E-06	9.18E-07	1.22E-06	4.03E-06	2.78E-07
3522	469551.59	3818987.89	1.45E-05	6.10E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.85E-06	9.37E-07	1.25E-06	4.11E-06	2.83E-07
3523	469555.38	3818979.18	1.48E-05	6.23E-05	5.61E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.02E-06	9.57E-07	1.27E-06	4.20E-06	2.89E-07
3524	469559.18	3818970.48	1.51E-05	6.36E-05	5.72E-06	1.26E-05	4.67E-05	4.11E-06	1.43E-06	8.18E-06	9.76E-07	1.30E-06	4.28E-06	2.95E-07
3525	469562.98	3818961.77	1.54E-05	6.48E-05	5.84E-06	1.29E-05	4.76E-05	4.19E-06	1.46E-06	8.35E-06	9.96E-07	1.33E-06	4.37E-06	3.01E-07
3526	469566.77	3818953.07	1.57E-05	6.61E-05	5.95E-06	1.31E-05	4.85E-05	4.27E-06	1.49E-06	8.50E-06	1.01E-06	1.35E-06	4.45E-06	3.07E-07
3527	469570.57	3818944.36	1.60E-05	6.72E-05	6.05E-06	1.33E-05	4.94E-05	4.34E-06	1.51E-06	8.65E-06	1.03E-06	1.37E-06	4.53E-06	3.12E-07
3528	469574.36	3818935.66	1.63E-05	6.83E-05	6.15E-06	1.36E-05	5.02E-05	4.42E-06	1.54E-06	8.80E-06	1.05E-06	1.40E-06	4.61E-06	3.17E-07
3529	469578.16	3818926.95	1.65E-05	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.49E-06	1.56E-06	8.94E-06	1.07E-06	1.42E-06	4.68E-06	3.23E-07
3530	469646.5	3818770.26	1.98E-05	8.32E-05	7.49E-06	1.65E-05	6.11E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.60E-06	3.86E-07
3531	469659.12	3818758.06	2.03E-05	8.54E-05	7.69E-06	1.69E-05	6.27E-05	5.52E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.75E-06	3.97E-07
3532	469667.95	3818754.56	2.08E-05	8.73E-05	7.86E-06	1.73E-05	6.42E-05	5.65E-06	1.96E-06	1.12E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
3533	469676.78	3818751.06	2.13E-05	8.93E-05	8.04E-06	1.77E-05	6.56E-05	5.77E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.02E-06	4.15E-07
3534	469712.1	3818737.07	2.32E-05	9.73E-05	8.76E-06	1.93E-05	7.15E-05	6.29E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.56E-06	4.52E-07
3535	469720.93	3818733.58	2.36E-05	9.92E-05	8.93E-06	1.97E-05	7.29E-05	6.41E-06	2.23E-06	1.28E-05	1.52E-06	2.03E-06	6.69E-06	4.61E-07
3536	469729.76	3818730.08	2.41E-05	1.01E-04	9.10E-06	2.00E-05	7.43E-05	6.53E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.81E-06	4.70E-07
3537	469738.59	3818726.58	2.45E-05	1.03E-04	9.27E-06	2.04E-05	7.56E-05	6.65E-06	2.31E-06	1.33E-05	1.58E-06	2.10E-06	6.94E-06	4.78E-07
3538	469747.42	3818723.08	2.50E-05	1.05E-04	9.44E-06	2.08E-05	7.70E-05	6.77E-06	2.36E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.87E-07
3539	469756.25	3818719.59	2.54E-05	1.07E-04	9.60E-06	2.11E-05	7.83E-05	6.89E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.18E-06	4.95E-07
3540	469765.08	3818716.09	2.58E-05	1.08E-04	9.75E-06	2.15E-05	7.95E-05	7.00E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.29E-06	5.03E-07
3541	469773.91	3818712.59	2.62E-05	1.10E-04	9.89E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.25E-06	7.40E-06	5.10E-07
3542	469782.74	3818709.1	2.66E-05	1.12E-04	1.00E-05	2.21E-05	8.19E-05	7.21E-06	2.51E-06	1.44E-05	1.71E-06	2.28E-06	7.52E-06	5.18E-07
3543	469791.57	3818705.6	2.70E-05	1.13E-04	1.02E-05	2.25E-05	8.32E-05	7.32E-06	2.55E-06	1.46E-05	1.74E-06	2.31E-06	7.63E-06	5.26E-07
3544	469800.4	3818702.1	2.74E-05	1.15E-04	1.03E-05	2.28E-05	8.44E-05	7.43E-06	2.58E-06	1.48E-05	1.76E-06	2.35E-06	7.75E-06	5.34E-07
3545	469809.23	3818698.6	2.78E-05	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.53E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
3546	469818.06	3818695.11	2.81E-05	1.18E-04	1.06E-05	2.34E-05	8.67E-05	7.63E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.95E-06	5.48E-07
3547	469826.89	3818691.61	2.84E-05	1.19E-04	1.08E-05	2.37E-05	8.78E-05	7.72E-06	2.69E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
3548	469835.72	3818688.11	2.88E-05	1.21E-04	1.09E-05	2.40E-05	8.88E-05	7.81E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.14E-06	5.61E-07
3549	469844.55	3818684.62	2.91E-05	1.22E-04	1.10E-05	2.42E-05	8.98E-05	7.90E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.24E-06	5.68E-07
3550	469853.38	3818681.12	2.94E-05	1.23E-04	1.11E-05	2.45E-05	9.07E-05	7.98E-06	2.78E-06	1.59E-05	1.90E-06	2.52E-06	8.32E-06	5.74E-07
3551	469862.21	3818677.62	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.17E-05	8.06E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.41E-06	5.80E-07
3552	469871.04	3818674.12	3.00E-05	1.26E-04	1.13E-05	2.50E-05	9.26E-05	8.14E-06	2.83E-06	1.62E-05	1.94E-06	2.58E-06	8.49E-06	5.85E-07
3553	469879.87	3818670.63	3.03E-05	1.27E-04	1.15E-05	2.52E-05	9.35E-05	8.23E-06	2.86E-06	1.64E-05	1.95E-06	2.60E-06	8.58E-06	5.91E-07
3554	469888.69	3818667.13	3.06E-05	1.28E-04	1.16E-05	2.55E-05	9.44E-05	8.30E-06	2.89E-06	1.65E-05	1.97E-06	2.63E-06	8.66E-06	5.97E-07
3555	469897.52	3818663.63	3.09E-05	1.30E-04	1.17E-05	2.57E-05	9.52E-05	8.37E-06	2.91E-06	1.67E-05	1.99E-06	2.65E-06	8.73E-06	6.02E-07
3556	469906.35	3818660.14	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.60E-05	8.45E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.81E-06	6.07E-07
3557	469915.18	3818656.64	3.14E-05	1.32E-04	1.19E-05	2.61E-05	9.69E-05	8.52E-06	2.96E-06	1.70E-05	2.02E-06	2.70E-06	8.89E-06	6.13E-07
3558	469950.5	3818642.65	3.24E-05	1.36E-04	1.22E-05	2.70E-05	9.99E-05	8.79E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.17E-06	6.32E-07
3559	469959.33	3818639.15	3.26E-05	1.37E-04	1.23E-05	2.72E-05	1.01E-04	8.85E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.23E-06	6.36E-07
3560	469968.16	3818635.66	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.90E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.40E-07
3561	469976.99	3818632.16	3.30E-05	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.96E-06	3.12E-06	1.78E-05	2.13E-06	2.83E-06	9.34E-06	6.44E-07
3562	469985.82	3818628.66	3.32E-05	1.39E-04	1.26E-05	2.77E-05	1.02E-04	9.01E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
3563	469994.65	3818625.17	3.34E-05	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.07E-06	3.15E-06	1.81E-05	2.15E-06	2.87E-06	9.46E-06	6.52E-07
3564	470003.48	3818621.67	3.36E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.12E-06	3.17E-06	1.82E-05	2.17E-06	2.88E-06	9.51E-06	6.56E-07
3565	470012.31	3818618.17	3.38E-05	1.42E-04	1.28E-05	2.81E-05	1.04E-04	9.17E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.56E-06	6.59E-07
3566	470021.14	3818614.67	3.40E-05	1.43E-04	1.28E-05	2.83E-05	1.05E-04	9.22E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.61E-06	6.63E-07
3567	470029.97	3818611.18	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.26E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.66E-06	6.66E-07
3568	470038.8	3818607.68	3.43E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.31E-06	3.24E-06	1.85E-05	2.21E-06	2.94E-06	9.70E-06	6.69E-07
3569	470047.63	3818604.18	3.44E-05	1.45E-04	1.30E-05	2.87E-05	1.06E-04	9.34E-06	3.25E-06	1.86E-05	2.22E-06	2.95E-06	9.74E-06	6.72E-07
3570	470056.46	3818600.69	3.45E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.38E-06	3.26E-06	1.87E-05	2.23E-06	2.97E-06	9.78E-06	6.74E-07
3571	470065.29	3818597.19	3.46E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.41E-06	3.27E-06	1.87E-05	2.23E-06	2.97E-06	9.81E-06	6.76E-07
3572	470074.12	3818593.69	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.42E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.77E-07
3573	470082.95	3818590.19	3.48E-05	1.46E-04	1.31E-05	2.90E-05	1.07E-04	9.44E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.84E-06	6.78E-07

3574	470091.78	3818586.7	3.48E-05	1.46E-04	1.32E-05	2.90E-05	1.07E-04	9.44E-06	3.28E-06	1.88E-05	2.24E-06	2.99E-06	9.84E-06	6.79E-07
3575	470100.61	3818583.2	3.48E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.43E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.84E-06	6.78E-07
3576	470109.44	3818579.7	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.41E-06	3.27E-06	1.87E-05	2.24E-06	2.98E-06	9.81E-06	6.77E-07
3577	469448.7	3819242.22	1.05E-05	4.40E-05	3.96E-06	8.73E-06	3.23E-05	2.85E-06	9.90E-07	5.67E-06	6.76E-07	9.00E-07	2.97E-06	2.05E-07
3578	469448.5	3819251.87	1.06E-05	4.46E-05	4.02E-06	8.85E-06	3.28E-05	2.88E-06	1.00E-06	5.74E-06	6.85E-07	9.12E-07	3.01E-06	2.07E-07
3579	469448.31	3819261.52	1.08E-05	4.52E-05	4.07E-06	8.97E-06	3.32E-05	2.92E-06	1.02E-06	5.82E-06	6.95E-07	9.25E-07	3.05E-06	2.10E-07
3580	469448.12	3819271.17	1.09E-05	4.59E-05	4.14E-06	9.11E-06	3.37E-05	2.97E-06	1.03E-06	5.91E-06	7.05E-07	9.39E-07	3.10E-06	2.13E-07
3581	469447.92	3819280.82	1.11E-05	4.66E-05	4.20E-06	9.25E-06	3.43E-05	3.02E-06	1.05E-06	6.00E-06	7.16E-07	9.54E-07	3.14E-06	2.17E-07
3582	469447.73	3819290.46	1.13E-05	4.75E-05	4.28E-06	9.42E-06	3.49E-05	3.07E-06	1.07E-06	6.11E-06	7.29E-07	9.70E-07	3.20E-06	2.21E-07
3583	469447.54	3819300.11	1.15E-05	4.84E-05	4.36E-06	9.59E-06	3.55E-05	3.13E-06	1.09E-06	6.23E-06	7.43E-07	9.89E-07	3.26E-06	2.25E-07
3584	469447.34	3819309.76	1.17E-05	4.93E-05	4.44E-06	9.78E-06	3.63E-05	3.19E-06	1.11E-06	6.35E-06	7.58E-07	1.01E-06	3.33E-06	2.29E-07
3585	469447.15	3819319.41	1.20E-05	5.03E-05	4.53E-06	9.98E-06	3.70E-05	3.25E-06	1.13E-06	6.48E-06	7.73E-07	1.03E-06	3.39E-06	2.34E-07
3586	469446.96	3819329.06	1.22E-05	5.13E-05	4.62E-06	1.02E-05	3.77E-05	3.32E-06	1.15E-06	6.61E-06	7.88E-07	1.05E-06	3.46E-06	2.38E-07
3587	469446.76	3819338.71	1.25E-05	5.23E-05	4.71E-06	1.04E-05	3.85E-05	3.38E-06	1.18E-06	6.74E-06	8.04E-07	1.07E-06	3.53E-06	2.43E-07
3588	469446.57	3819348.35	1.27E-05	5.34E-05	4.81E-06	1.06E-05	3.93E-05	3.45E-06	1.20E-06	6.88E-06	8.21E-07	1.09E-06	3.60E-06	2.48E-07
3589	469446.38	3819358	1.30E-05	5.46E-05	4.92E-06	1.08E-05	4.01E-05	3.53E-06	1.23E-06	7.03E-06	8.38E-07	1.12E-06	3.68E-06	2.54E-07
3590	469446.18	3819367.65	1.33E-05	5.58E-05	5.02E-06	1.11E-05	4.10E-05	3.61E-06	1.25E-06	7.18E-06	8.57E-07	1.14E-06	3.76E-06	2.59E-07
3591	469445.99	3819377.3	1.36E-05	5.71E-05	5.14E-06	1.13E-05	4.19E-05	3.69E-06	1.28E-06	7.35E-06	8.77E-07	1.17E-06	3.85E-06	2.65E-07
3592	469445.8	3819386.95	1.39E-05	5.84E-05	5.26E-06	1.16E-05	4.29E-05	3.77E-06	1.31E-06	7.52E-06	8.97E-07	1.19E-06	3.94E-06	2.71E-07
3593	469445.6	3819396.59	1.42E-05	5.98E-05	5.38E-06	1.19E-05	4.39E-05	3.86E-06	1.34E-06	7.69E-06	9.18E-07	1.22E-06	4.03E-06	2.78E-07
3594	469445.41	3819406.24	1.46E-05	6.12E-05	5.51E-06	1.21E-05	4.50E-05	3.96E-06	1.38E-06	7.88E-06	9.40E-07	1.25E-06	4.13E-06	2.84E-07
3595	469445.22	3819415.89	1.49E-05	6.27E-05	5.65E-06	1.24E-05	4.61E-05	4.05E-06	1.41E-06	8.07E-06	9.63E-07	1.28E-06	4.23E-06	2.91E-07
3596	469445.03	3819425.54	1.53E-05	6.43E-05	5.79E-06	1.27E-05	4.72E-05	4.16E-06	1.45E-06	8.28E-06	9.87E-07	1.31E-06	4.33E-06	2.99E-07
3597	469444.83	3819435.19	1.57E-05	6.59E-05	5.94E-06	1.31E-05	4.85E-05	4.26E-06	1.48E-06	8.49E-06	1.01E-06	1.35E-06	4.44E-06	3.06E-07
3598	469454.82	3819117.27	9.47E-06	3.98E-05	3.58E-06	7.89E-06	2.92E-05	2.57E-06	8.94E-07	5.12E-06	6.11E-07	8.13E-07	2.68E-06	1.85E-07
3599	469458.63	3819108.53	9.60E-06	4.03E-05	3.63E-06	7.99E-06	2.96E-05	2.61E-06	9.06E-07	5.19E-06	6.19E-07	8.24E-07	2.72E-06	1.87E-07
3600	469462.44	3819099.79	9.74E-06	4.09E-05	3.68E-06	8.11E-06	3.01E-05	2.64E-06	9.20E-07	5.27E-06	6.28E-07	8.36E-07	2.76E-06	1.90E-07
3601	469466.25	3819091.05	9.90E-06	4.16E-05	3.74E-06	8.24E-06	3.05E-05	2.69E-06	9.34E-07	5.35E-06	6.38E-07	8.49E-07	2.80E-06	1.93E-07
3602	469470.06	3819082.32	1.01E-05	4.22E-05	3.80E-06	8.38E-06	3.10E-05	2.73E-06	9.50E-07	5.44E-06	6.49E-07	8.64E-07	2.85E-06	1.96E-07
3603	469473.87	3819073.58	1.02E-05	4.30E-05	3.87E-06	8.52E-06	3.16E-05	2.78E-06	9.66E-07	5.53E-06	6.60E-07	8.78E-07	2.90E-06	2.00E-07
3604	469477.68	3819064.84	1.04E-05	4.38E-05	3.95E-06	8.69E-06	3.22E-05	2.83E-06	9.85E-07	5.64E-06	6.73E-07	8.96E-07	2.95E-06	2.04E-07
3605	469500.55	3819012.41	1.18E-05	4.96E-05	4.47E-06	9.84E-06	3.65E-05	3.21E-06	1.12E-06	6.39E-06	7.62E-07	1.01E-06	3.34E-06	2.31E-07
3606	469504.36	3819003.67	1.21E-05	5.06E-05	4.56E-06	1.00E-05	3.72E-05	3.27E-06	1.14E-06	6.51E-06	7.77E-07	1.03E-06	3.41E-06	2.35E-07
3607	469508.17	3818994.93	1.23E-05	5.16E-05	4.65E-06	1.02E-05	3.79E-05	3.34E-06	1.16E-06	6.64E-06	7.93E-07	1.06E-06	3.48E-06	2.40E-07
3608	469511.98	3818986.2	1.25E-05	5.26E-05	4.74E-06	1.04E-05	3.87E-05	3.40E-06	1.18E-06	6.78E-06	8.09E-07	1.08E-06	3.55E-06	2.45E-07
3609	469515.79	3818977.46	1.28E-05	5.38E-05	4.84E-06	1.07E-05	3.95E-05	3.48E-06	1.21E-06	6.92E-06	8.26E-07	1.10E-06	3.62E-06	2.50E-07
3610	469519.6	3818968.72	1.31E-05	5.49E-05	4.94E-06	1.09E-05	4.03E-05	3.55E-06	1.23E-06	7.07E-06	8.43E-07	1.12E-06	3.70E-06	2.55E-07
3611	469523.41	3818959.98	1.33E-05	5.60E-05	5.04E-06	1.11E-05	4.11E-05	3.62E-06	1.26E-06	7.21E-06	8.60E-07	1.14E-06	3.77E-06	2.60E-07
3612	469527.23	3818951.24	1.36E-05	5.71E-05	5.14E-06	1.13E-05	4.20E-05	3.69E-06	1.28E-06	7.35E-06	8.77E-07	1.17E-06	3.85E-06	2.65E-07
3613	469531.04	3818942.51	1.39E-05	5.82E-05	5.24E-06	1.15E-05	4.27E-05	3.76E-06	1.31E-06	7.49E-06	8.93E-07	1.19E-06	3.92E-06	2.70E-07
3614	469534.85	3818933.77	1.41E-05	5.92E-05	5.33E-06	1.17E-05	4.35E-05	3.83E-06	1.33E-06	7.63E-06	9.10E-07	1.21E-06	3.99E-06	2.75E-07
3615	469538.66	3818925.03	1.44E-05	6.03E-05	5.43E-06	1.20E-05	4.43E-05	3.90E-06	1.36E-06	7.76E-06	9.26E-07	1.23E-06	4.06E-06	2.80E-07
3616	469607.25	3818767.74	1.75E-05	7.35E-05	6.62E-06	1.46E-05	5.40E-05	4.75E-06	1.65E-06	9.47E-06	1.13E-06	1.50E-06	4.96E-06	3.42E-07
3617	469611.06	3818759	1.76E-05	7.39E-05	6.65E-06	1.47E-05	5.43E-05	4.78E-06	1.66E-06	9.51E-06	1.13E-06	1.51E-06	4.98E-06	3.43E-07
3618	469614.87	3818750.27	1.77E-05	7.42E-05	6.68E-06	1.47E-05	5.45E-05	4.80E-06	1.67E-06	9.55E-06	1.14E-06	1.52E-06	5.00E-06	3.45E-07
3619	469618.68	3818741.53	1.78E-05	7.45E-05	6.71E-06	1.48E-05	5.48E-05	4.82E-06	1.68E-06	9.60E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
3620	469631.36	3818729.28	1.83E-05	7.66E-05	6.90E-06	1.52E-05	5.63E-05	4.95E-06	1.72E-06	9.87E-06	1.18E-06	1.57E-06	5.17E-06	3.56E-07
3621	469640.22	3818725.77	1.87E-05	7.84E-05	7.06E-06	1.55E-05	5.76E-05	5.07E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.28E-06	3.64E-07
3622	469649.08	3818722.26	1.91E-05	8.01E-05	7.22E-06	1.59E-05	5.89E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
3623	469657.95	3818718.75	1.95E-05	8.18E-05	7.37E-06	1.62E-05	6.01E-05	5.29E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.52E-06	3.80E-07
3624	469666.81	3818715.24	1.99E-05	8.35E-05	7.52E-06	1.66E-05	6.14E-05	5.40E-06	1.88E-06	1.08E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
3625	469675.67	3818711.73	2.03E-05	8.52E-05	7.67E-06	1.69E-05	6.26E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.74E-06	3.96E-07
3626	469711.13	3818697.69	2.18E-05	9.17E-05	8.26E-06	1.82E-05	6.74E-05	5.93E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.18E-06	4.26E-07
3627	469719.99	3818694.18	2.22E-05	9.32E-05	8.39E-06	1.85E-05	6.85E-05	6.03E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.28E-06	4.33E-07
3628	469728.85	3818690.67	2.26E-05	9.48E-05	8.54E-06	1.88E-05	6.97E-05	6.13E-06	2.13E-06	1.22E-05	1.46E-06	1.94E-06	6.39E-06	4.41E-07
3629	469737.72	3818687.15	2.29E-05	9.64E-05	8.68E-06	1.91E-05	7.08E-05	6.23E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.50E-06	4.48E-07
3630	469746.58	3818683.64	2.33E-05	9.79E-05	8.81E-06	1.94E-05	7.19E-05	6.33E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.60E-06	4.55E-07
3631	469755.44	3818680.13	2.36E-05	9.93E-05	8.94E-06	1.97E-05	7.29E-05	6.42E-06	2.23E-06	1.28E-05	1.52E-06	2.03E-06	6.69E-06	4.61E-07
3632	469764.31	3818676.62	2.40E-05	1.01E-04	9.06E-06	2.00E-05	7.39E-05	6.50E-06	2.26E-06	1.30E-05	1.55E-06	2.06E-06	6.78E-06	4.68E-07
3633	469773.17	3818673.11	2.43E-05	1.02E-04	9.18E-06	2.02E-05	7.49E-05	6.59E-06	2.29E-06	1.31E-05	1.57E-06	2.08E-06	6.87E-06	4.74E-07
3634	469782.03	3818669.6	2.46E-05	1.03E-04	9.30E-06	2.05E-05	7.59E-05	6.68E-06	2.32E-06	1.33E-05	1.59E-06	2.11E-06	6.96E-06	4.80E-07
3635	469790.9	3818666.09	2.49E-05	1.05E-04	9.42E-06	2.07E-05	7.69E-05	6.76E-06	2.35E-06	1.35E-05	1.61E-06	2.14E-06	7.05E-06	4.86E-07
3636	469799.76	3818662.58	2.52E-05	1.06E-04	9.53E-06	2.10E-05	7.78E-05	6.84E-06	2.38E-06	1.36E-05	1.63E-06	2.16E-06	7.14E-06	4.92E-07
3637	469808.62	3818659.07	2.55E-05	1.07E-04	9.64E-06	2.12E-05	7.86E-05	6.92E-06	2.41E-06	1.38E-05	1.64E-06	2.19E-06	7.21E-06	4.97E-07
3638	469817.48	3818655.56	2.58E-05	1.08E-04	9.75E-06	2.15E-05	7.96E-05	7.00E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.30E-06	5.03E-07
3639	469826.35	3818652.05	2.61E-05	1.10E-04	9.87E-06	2.17E-05	8.05E-05	7.08E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.38E-06	5.09E-07
3640	469835.21	3818648.54	2.64E-05	1.11E-04	9.97E-06	2.20E-05	8.14E-05	7.16E-06	2.49E-06	1.43E-05	1.70E-06	2.26E-06	7.46E-06	5.15E-07
3641	469844.07	3818645.03	2.66E-05	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
3642	469852.94	3818641.52	2.69E-05	1.13E-04	1.02E-05	2.24E-05	8.30E-05	7.30E-06	2.54E-06	1.45E-05	1.73E-06	2.31E-06	7.61E-06	5.25E-07
3643	469861.8	3818638.01	2.72E-05	1.14E-04	1.03E-05	2.26E-05	8.38E-05	7.37E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.69E-06	5.30E-07
3644	469870.66	3818634.5	2.74E-05	1.15E-04	1.04E-05	2.28E-05	8.46E-05	7.44E-06	2.59E-06	1.48E-05	1.77E-06	2.35E-06	7.76E-06	5.35E-07
3645	469879.53	3818630.99	2.76E-05	1.16E-04	1.05E-05	2.30E-05	8.53E-05	7.50E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.82E-06	5.39E-07
3646	469888.39	3818627.48	2.79E-05	1.17E-04	1.05E-05	2.32E-05	8.60E-05	7.56E-06	2.63E-06	1.51E-05	1.80E-06	2.39E-06	7.89E-06	5.44E-07

3647	469897.25	3818623.97	2.81E-05	1.18E-04	1.06E-05	2.34E-05	8.66E-05	7.62E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.95E-06	5.48E-07
3648	469906.12	3818620.46	2.83E-05	1.19E-04	1.07E-05	2.36E-05	8.73E-05	7.68E-06	2.67E-06	1.53E-05	1.83E-06	2.43E-06	8.01E-06	5.52E-07
3649	469914.98	3818616.95	2.85E-05	1.20E-04	1.08E-05	2.38E-05	8.80E-05	7.74E-06	2.69E-06	1.54E-05	1.84E-06	2.45E-06	8.07E-06	5.56E-07
3650	469959.3	3818599.4	2.94E-05	1.23E-04	1.11E-05	2.45E-05	9.07E-05	7.98E-06	2.78E-06	1.59E-05	1.90E-06	2.52E-06	8.32E-06	5.73E-07
3651	469968.16	3818595.89	2.96E-05	1.24E-04	1.12E-05	2.46E-05	9.13E-05	8.03E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.37E-06	5.77E-07
3652	469977.02	3818592.38	2.98E-05	1.25E-04	1.13E-05	2.48E-05	9.19E-05	8.09E-06	2.81E-06	1.61E-05	1.92E-06	2.56E-06	8.43E-06	5.81E-07
3653	469985.88	3818588.86	3.00E-05	1.26E-04	1.13E-05	2.50E-05	9.25E-05	8.14E-06	2.83E-06	1.62E-05	1.93E-06	2.57E-06	8.49E-06	5.85E-07
3654	469994.75	3818585.35	3.02E-05	1.27E-04	1.14E-05	2.51E-05	9.31E-05	8.19E-06	2.85E-06	1.63E-05	1.95E-06	2.59E-06	8.54E-06	5.89E-07
3655	470003.61	3818581.84	3.03E-05	1.27E-04	1.15E-05	2.53E-05	9.36E-05	8.24E-06	2.86E-06	1.64E-05	1.96E-06	2.60E-06	8.59E-06	5.92E-07
3656	470012.47	3818578.33	3.05E-05	1.28E-04	1.15E-05	2.54E-05	9.42E-05	8.28E-06	2.88E-06	1.65E-05	1.97E-06	2.62E-06	8.64E-06	5.96E-07
3657	470021.34	3818574.82	3.07E-05	1.29E-04	1.16E-05	2.56E-05	9.47E-05	8.33E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.69E-06	5.99E-07
3658	470030.2	3818571.31	3.08E-05	1.30E-04	1.17E-05	2.57E-05	9.52E-05	8.37E-06	2.91E-06	1.67E-05	1.99E-06	2.65E-06	8.73E-06	6.02E-07
3659	470039.06	3818567.8	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.56E-05	8.41E-06	2.93E-06	1.67E-05	2.00E-06	2.66E-06	8.77E-06	6.04E-07
3660	470047.93	3818564.29	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.59E-05	8.44E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.80E-06	6.07E-07
3661	470056.79	3818560.78	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.62E-05	8.46E-06	2.94E-06	1.69E-05	2.01E-06	2.68E-06	8.83E-06	6.08E-07
3662	470065.65	3818557.27	3.13E-05	1.31E-04	1.18E-05	2.60E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.68E-06	8.85E-06	6.10E-07
3663	470074.52	3818553.76	3.13E-05	1.32E-04	1.18E-05	2.61E-05	9.67E-05	8.51E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.87E-06	6.11E-07
3664	470083.38	3818550.25	3.14E-05	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.52E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
3665	470092.24	3818546.74	3.14E-05	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.52E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
3666	470101.11	3818543.23	3.13E-05	1.32E-04	1.19E-05	2.61E-05	9.67E-05	8.51E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.87E-06	6.11E-07
3667	470109.97	3818539.72	3.13E-05	1.31E-04	1.18E-05	2.60E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.68E-06	8.85E-06	6.10E-07
3668	469408.7	3819241.42	9.36E-06	3.93E-05	3.54E-06	7.79E-06	2.89E-05	2.54E-06	8.84E-07	5.06E-06	6.04E-07	8.03E-07	2.65E-06	1.83E-07
3669	469408.51	3819251.07	9.50E-06	3.99E-05	3.59E-06	7.91E-06	2.93E-05	2.58E-06	8.97E-07	5.14E-06	6.13E-07	8.16E-07	2.69E-06	1.85E-07
3670	469408.32	3819260.72	9.64E-06	4.05E-05	3.65E-06	8.03E-06	2.97E-05	2.62E-06	9.10E-07	5.21E-06	6.22E-07	8.28E-07	2.73E-06	1.88E-07
3671	469408.12	3819270.37	9.78E-06	4.11E-05	3.70E-06	8.15E-06	3.02E-05	2.66E-06	9.24E-07	5.29E-06	6.31E-07	8.40E-07	2.77E-06	1.91E-07
3672	469407.93	3819280.02	9.93E-06	4.17E-05	3.76E-06	8.27E-06	3.07E-05	2.70E-06	9.38E-07	5.37E-06	6.41E-07	8.53E-07	2.81E-06	1.94E-07
3673	469407.74	3819289.66	1.01E-05	4.24E-05	3.82E-06	8.41E-06	3.12E-05	2.74E-06	9.53E-07	5.46E-06	6.51E-07	8.67E-07	2.86E-06	1.97E-07
3674	469407.54	3819299.31	1.03E-05	4.31E-05	3.88E-06	8.55E-06	3.17E-05	2.79E-06	9.69E-07	5.55E-06	6.62E-07	8.81E-07	2.91E-06	2.00E-07
3675	469407.35	3819308.96	1.04E-05	4.39E-05	3.95E-06	8.70E-06	3.22E-05	2.84E-06	9.86E-07	5.65E-06	6.74E-07	8.97E-07	2.96E-06	2.04E-07
3676	469407.16	3819318.61	1.06E-05	4.46E-05	4.02E-06	8.86E-06	3.28E-05	2.89E-06	1.00E-06	5.75E-06	6.86E-07	9.13E-07	3.01E-06	2.07E-07
3677	469406.97	3819328.26	1.08E-05	4.55E-05	4.10E-06	9.02E-06	3.34E-05	2.94E-06	1.02E-06	5.86E-06	6.99E-07	9.30E-07	3.07E-06	2.11E-07
3678	469406.77	3819337.91	1.10E-05	4.64E-05	4.18E-06	9.20E-06	3.41E-05	3.00E-06	1.04E-06	5.97E-06	7.12E-07	9.48E-07	3.13E-06	2.15E-07
3679	469406.58	3819347.55	1.13E-05	4.73E-05	4.26E-06	9.38E-06	3.47E-05	3.06E-06	1.06E-06	6.09E-06	7.26E-07	9.66E-07	3.19E-06	2.20E-07
3680	469406.39	3819357.2	1.15E-05	4.83E-05	4.35E-06	9.58E-06	3.55E-05	3.12E-06	1.09E-06	6.22E-06	7.42E-07	9.88E-07	3.26E-06	2.25E-07
3681	469406.19	3819366.85	1.18E-05	4.94E-05	4.45E-06	9.80E-06	3.63E-05	3.19E-06	1.11E-06	6.36E-06	7.59E-07	1.01E-06	3.33E-06	2.30E-07
3682	469406	3819376.5	1.20E-05	5.05E-05	4.55E-06	1.00E-05	3.71E-05	3.27E-06	1.14E-06	6.50E-06	7.76E-07	1.03E-06	3.41E-06	2.35E-07
3683	469405.81	3819386.15	1.23E-05	5.16E-05	4.65E-06	1.02E-05	3.79E-05	3.34E-06	1.16E-06	6.65E-06	7.93E-07	1.06E-06	3.48E-06	2.40E-07
3684	469405.61	3819395.79	1.26E-05	5.28E-05	4.75E-06	1.05E-05	3.88E-05	3.41E-06	1.19E-06	6.79E-06	8.10E-07	1.08E-06	3.56E-06	2.45E-07
3685	469405.42	3819405.44	1.28E-05	5.40E-05	4.86E-06	1.07E-05	3.97E-05	3.49E-06	1.21E-06	6.95E-06	8.29E-07	1.10E-06	3.64E-06	2.51E-07
3686	469405.23	3819415.09	1.31E-05	5.52E-05	4.97E-06	1.10E-05	4.06E-05	3.57E-06	1.24E-06	7.11E-06	8.48E-07	1.13E-06	3.72E-06	2.57E-07
3687	469405.03	3819424.74	1.35E-05	5.65E-05	5.09E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.27E-06	8.68E-07	1.16E-06	3.81E-06	2.63E-07
3688	469404.84	3819434.39	1.38E-05	5.79E-05	5.21E-06	1.15E-05	4.25E-05	3.74E-06	1.30E-06	7.45E-06	8.89E-07	1.18E-06	3.90E-06	2.69E-07
3689	469375.13	3819114.99	7.46E-06	3.13E-05	2.82E-06	6.21E-06	2.30E-05	2.02E-06	7.04E-07	4.03E-06	4.81E-07	6.40E-07	2.11E-06	1.45E-07
3690	469378.97	3819106.2	7.53E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.11E-07	4.07E-06	4.86E-07	6.47E-07	2.13E-06	1.47E-07
3691	469382.8	3819097.4	7.62E-06	3.20E-05	2.88E-06	6.35E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.92E-07	6.55E-07	2.16E-06	1.49E-07
3692	469386.64	3819088.61	7.73E-06	3.24E-05	2.92E-06	6.44E-06	2.38E-05	2.10E-06	7.30E-07	4.18E-06	4.98E-07	6.63E-07	2.19E-06	1.51E-07
3693	469390.47	3819079.81	7.84E-06	3.29E-05	2.96E-06	6.53E-06	2.42E-05	2.13E-06	7.40E-07	4.24E-06	5.05E-07	6.73E-07	2.22E-06	1.53E-07
3694	469394.31	3819071.02	7.94E-06	3.34E-05	3.00E-06	6.62E-06	2.45E-05	2.16E-06	7.50E-07	4.29E-06	5.12E-07	6.82E-07	2.25E-06	1.55E-07
3695	469398.14	3819062.22	8.05E-06	3.38E-05	3.04E-06	6.70E-06	2.48E-05	2.18E-06	7.60E-07	4.35E-06	5.19E-07	6.91E-07	2.28E-06	1.57E-07
3696	469401.98	3819053.43	8.17E-06	3.43E-05	3.09E-06	6.80E-06	2.52E-05	2.22E-06	7.71E-07	4.42E-06	5.27E-07	7.01E-07	2.31E-06	1.59E-07
3697	469405.81	3819044.63	8.30E-06	3.48E-05	3.14E-06	6.91E-06	2.56E-05	2.25E-06	7.84E-07	4.49E-06	5.35E-07	7.12E-07	2.35E-06	1.62E-07
3698	469409.65	3819035.84	8.45E-06	3.55E-05	3.20E-06	7.04E-06	2.61E-05	2.29E-06	7.98E-07	4.57E-06	5.45E-07	7.26E-07	2.39E-06	1.65E-07
3699	469413.48	3819027.05	8.62E-06	3.62E-05	3.26E-06	7.18E-06	2.66E-05	2.34E-06	8.14E-07	4.66E-06	5.56E-07	7.40E-07	2.44E-06	1.68E-07
3700	469417.32	3819018.25	8.79E-06	3.69E-05	3.33E-06	7.32E-06	2.71E-05	2.39E-06	8.30E-07	4.75E-06	5.67E-07	7.55E-07	2.49E-06	1.72E-07
3701	469421.16	3819009.46	8.97E-06	3.77E-05	3.39E-06	7.47E-06	2.77E-05	2.44E-06	8.47E-07	4.85E-06	5.79E-07	7.70E-07	2.54E-06	1.75E-07
3702	469424.99	3819000.66	9.16E-06	3.85E-05	3.46E-06	7.63E-06	2.83E-05	2.49E-06	8.65E-07	4.95E-06	5.91E-07	7.86E-07	2.59E-06	1.79E-07
3703	469428.83	3818991.87	9.35E-06	3.93E-05	3.54E-06	7.79E-06	2.89E-05	2.54E-06	8.83E-07	5.06E-06	6.03E-07	8.03E-07	2.65E-06	1.82E-07
3704	469432.66	3818983.07	9.54E-06	4.01E-05	3.61E-06	7.95E-06	2.95E-05	2.59E-06	9.01E-07	5.16E-06	6.16E-07	8.19E-07	2.70E-06	1.86E-07
3705	469436.5	3818974.28	9.73E-06	4.09E-05	3.68E-06	8.11E-06	3.00E-05	2.64E-06	9.19E-07	5.26E-06	6.28E-07	8.35E-07	2.75E-06	1.90E-07
3706	469440.33	3818965.48	9.92E-06	4.17E-05	3.75E-06	8.26E-06	3.06E-05	2.69E-06	9.37E-07	5.36E-06	6.40E-07	8.52E-07	2.81E-06	1.94E-07
3707	469444.17	3818956.69	1.01E-05	4.25E-05	3.83E-06	8.43E-06	3.12E-05	2.75E-06	9.55E-07	5.47E-06	6.53E-07	8.69E-07	2.86E-06	1.97E-07
3708	469448	3818947.89	1.03E-05	4.34E-05	3.91E-06	8.60E-06	3.19E-05	2.80E-06	9.75E-07	5.58E-06	6.66E-07	8.87E-07	2.92E-06	2.02E-07
3709	469451.84	3818939.1	1.05E-05	4.43E-05	3.99E-06	8.78E-06	3.25E-05	2.86E-06	9.95E-07	5.70E-06	6.80E-07	9.05E-07	2.98E-06	2.06E-07
3710	469455.67	3818930.31	1.07E-05	4.51E-05	4.06E-06	8.95E-06	3.32E-05	2.92E-06	1.01E-06	5.81E-06	6.93E-07	9.23E-07	3.04E-06	2.10E-07
3711	469459.51	3818921.51	1.10E-05	4.60E-05	4.14E-06	9.12E-06	3.38E-05	2.97E-06	1.03E-06	5.92E-06	7.07E-07	9.40E-07	3.10E-06	2.14E-07
3712	469463.35	3818912.72	1.12E-05	4.68E-05	4.22E-06	9.29E-06	3.44E-05	3.03E-06	1.05E-06	6.03E-06	7.20E-07	9.58E-07	3.16E-06	2.18E-07
3713	469467.18	3818903.92	1.14E-05	4.77E-05	4.30E-06	9.46E-06	3.50E-05	3.08E-06	1.07E-06	6.14E-06	7.33E-07	9.75E-07	3.21E-06	2.22E-07
3714	469471.02	3818895.13	1.16E-05	4.85E-05	4.37E-06	9.62E-06	3.57E-05	3.14E-06	1.09E-06	6.25E-06	7.45E-07	9.92E-07	3.27E-06	2.25E-07
3715	469474.85	3818886.33	1.17E-05	4.93E-05	4.44E-06	9.78E-06	3.62E-05	3.19E-06	1.11E-06	6.35E-06	7.57E-07	1.01E-06	3.32E-06	2.29E-07
3716	469478.69	3818877.54	1.19E-05	5.01E-05	4.51E-06	9.93E-06	3.68E-05	3.24E-06	1.13E-06	6.45E-06	7.69E-07	1.02E-06	3.38E-06	2.33E-07
3717	469482.52	3818868.74	1.21E-05	5.08E-05	4.58E-06	1.01E-05	3.73E-05	3.29E-06	1.14E-06	6.54E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
3718	469547.72	3818719.24	1.43E-05	5.99E-05	5.40E-06	1.19E-05	4.40E-05	3.87E-06	1.35E-06	7.71E-06	9.20E-07	1.22E-06	4.04E-06	2.78E-07
3719	469551.56	3818710.44	1.44E-05	6.03E-05	5.43E-06	1.20E-05	4.43E-05	3.90E-06	1.36E-06	7.76E-06	9.26E-07	1.23E-06	4.06E-06	2.80E-07

3720	469555.39	3818701.65	1.44E-05	6.06E-05	5.46E-06	1.20E-05	4.46E-05	3.92E-06	1.36E-06	7.81E-06	9.31E-07	1.24E-06	4.09E-06	2.82E-07
3721	469559.23	3818692.85	1.45E-05	6.10E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.85E-06	9.37E-07	1.25E-06	4.11E-06	2.83E-07
3722	469563.07	3818684.06	1.46E-05	6.13E-05	5.52E-06	1.22E-05	4.50E-05	3.96E-06	1.38E-06	7.89E-06	9.41E-07	1.25E-06	4.13E-06	2.85E-07
3723	469575.82	3818671.73	1.49E-05	6.27E-05	5.65E-06	1.24E-05	4.61E-05	4.06E-06	1.41E-06	8.08E-06	9.64E-07	1.28E-06	4.23E-06	2.92E-07
3724	469584.74	3818668.2	1.52E-05	6.40E-05	5.77E-06	1.27E-05	4.70E-05	4.14E-06	1.44E-06	8.24E-06	9.83E-07	1.31E-06	4.32E-06	2.97E-07
3725	469593.66	3818664.66	1.55E-05	6.53E-05	5.88E-06	1.30E-05	4.80E-05	4.22E-06	1.47E-06	8.41E-06	1.00E-06	1.33E-06	4.40E-06	3.03E-07
3726	469602.58	3818661.13	1.59E-05	6.66E-05	6.00E-06	1.32E-05	4.89E-05	4.31E-06	1.50E-06	8.57E-06	1.02E-06	1.36E-06	4.49E-06	3.09E-07
3727	469611.5	3818657.6	1.62E-05	6.79E-05	6.12E-06	1.35E-05	4.99E-05	4.39E-06	1.53E-06	8.74E-06	1.04E-06	1.39E-06	4.58E-06	3.16E-07
3728	469620.42	3818654.07	1.65E-05	6.92E-05	6.23E-06	1.37E-05	5.09E-05	4.47E-06	1.56E-06	8.91E-06	1.06E-06	1.41E-06	4.67E-06	3.22E-07
3729	469629.34	3818650.53	1.68E-05	7.05E-05	6.35E-06	1.40E-05	5.18E-05	4.56E-06	1.58E-06	9.07E-06	1.08E-06	1.44E-06	4.75E-06	3.28E-07
3730	469638.26	3818647	1.71E-05	7.17E-05	6.46E-06	1.42E-05	5.27E-05	4.64E-06	1.61E-06	9.23E-06	1.10E-06	1.47E-06	4.84E-06	3.33E-07
3731	469647.18	3818643.47	1.74E-05	7.30E-05	6.57E-06	1.45E-05	5.36E-05	4.72E-06	1.64E-06	9.39E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
3732	469656.1	3818639.93	1.77E-05	7.41E-05	6.68E-06	1.47E-05	5.45E-05	4.79E-06	1.67E-06	9.54E-06	1.14E-06	1.52E-06	5.00E-06	3.44E-07
3733	469665.02	3818636.4	1.79E-05	7.53E-05	6.78E-06	1.49E-05	5.53E-05	4.87E-06	1.69E-06	9.70E-06	1.16E-06	1.54E-06	5.08E-06	3.50E-07
3734	469673.94	3818632.87	1.82E-05	7.64E-05	6.88E-06	1.52E-05	5.62E-05	4.94E-06	1.72E-06	9.84E-06	1.17E-06	1.56E-06	5.15E-06	3.55E-07
3735	469709.63	3818618.74	1.92E-05	8.08E-05	7.28E-06	1.60E-05	5.94E-05	5.22E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.45E-06	3.75E-07
3736	469718.55	3818615.2	1.95E-05	8.19E-05	7.38E-06	1.62E-05	6.02E-05	5.29E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.52E-06	3.81E-07
3737	469727.47	3818611.67	1.97E-05	8.29E-05	7.46E-06	1.64E-05	6.09E-05	5.36E-06	1.86E-06	1.07E-05	1.27E-06	1.69E-06	5.59E-06	3.85E-07
3738	469780.99	3818590.47	2.11E-05	8.87E-05	7.99E-06	1.76E-05	6.52E-05	5.73E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.98E-06	4.12E-07
3739	469789.91	3818586.94	2.13E-05	8.95E-05	8.06E-06	1.78E-05	6.58E-05	5.79E-06	2.01E-06	1.15E-05	1.38E-06	1.83E-06	6.04E-06	4.16E-07
3740	469798.83	3818583.41	2.15E-05	9.04E-05	8.14E-06	1.79E-05	6.64E-05	5.84E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.09E-06	4.20E-07
3741	469807.75	3818579.87	2.17E-05	9.13E-05	8.22E-06	1.81E-05	6.71E-05	5.90E-06	2.05E-06	1.18E-05	1.40E-06	1.87E-06	6.15E-06	4.24E-07
3742	469816.67	3818576.34	2.19E-05	9.21E-05	8.30E-06	1.83E-05	6.77E-05	5.95E-06	2.07E-06	1.19E-05	1.41E-06	1.88E-06	6.21E-06	4.28E-07
3743	469825.59	3818572.81	2.21E-05	9.29E-05	8.37E-06	1.84E-05	6.83E-05	6.01E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.26E-06	4.32E-07
3744	469834.51	3818569.27	2.23E-05	9.37E-05	8.44E-06	1.86E-05	6.88E-05	6.06E-06	2.11E-06	1.21E-05	1.44E-06	1.91E-06	6.31E-06	4.35E-07
3745	469843.43	3818565.74	2.25E-05	9.44E-05	8.50E-06	1.87E-05	6.94E-05	6.10E-06	2.12E-06	1.22E-05	1.45E-06	1.93E-06	6.36E-06	4.39E-07
3746	469852.35	3818562.21	2.27E-05	9.52E-05	8.57E-06	1.89E-05	6.99E-05	6.15E-06	2.14E-06	1.22E-05	1.46E-06	1.95E-06	6.41E-06	4.42E-07
3747	469861.27	3818558.67	2.28E-05	9.58E-05	8.63E-06	1.90E-05	7.04E-05	6.20E-06	2.16E-06	1.23E-05	1.47E-06	1.96E-06	6.46E-06	4.45E-07
3748	469870.19	3818555.14	2.30E-05	9.65E-05	8.69E-06	1.91E-05	7.09E-05	6.24E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.50E-06	4.48E-07
3749	469879.11	3818551.61	2.31E-05	9.72E-05	8.75E-06	1.93E-05	7.14E-05	6.28E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.55E-06	4.52E-07
3750	469888.03	3818548.08	2.33E-05	9.78E-05	8.81E-06	1.94E-05	7.19E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.55E-07
3751	469896.95	3818544.54	2.34E-05	9.84E-05	8.86E-06	1.95E-05	7.23E-05	6.36E-06	2.21E-06	1.27E-05	1.51E-06	2.01E-06	6.63E-06	4.57E-07
3752	469905.87	3818541.01	2.36E-05	9.90E-05	8.91E-06	1.96E-05	7.27E-05	6.40E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.67E-06	4.60E-07
3753	469914.79	3818537.48	2.37E-05	9.94E-05	8.95E-06	1.97E-05	7.31E-05	6.43E-06	2.24E-06	1.28E-05	1.53E-06	2.03E-06	6.70E-06	4.62E-07
3754	469959.4	3818519.81	2.43E-05	1.02E-04	9.20E-06	2.03E-05	7.51E-05	6.61E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.89E-06	4.75E-07
3755	469968.32	3818516.28	2.45E-05	1.03E-04	9.25E-06	2.04E-05	7.55E-05	6.64E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.93E-06	4.78E-07
3756	469977.24	3818512.75	2.46E-05	1.03E-04	9.31E-06	2.05E-05	7.60E-05	6.68E-06	2.32E-06	1.33E-05	1.59E-06	2.11E-06	6.97E-06	4.80E-07
3757	469986.16	3818509.21	2.48E-05	1.04E-04	9.37E-06	2.06E-05	7.65E-05	6.73E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.01E-06	4.84E-07
3758	469995.08	3818505.68	2.49E-05	1.05E-04	9.43E-06	2.08E-05	7.69E-05	6.77E-06	2.35E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.86E-07
3759	470004	3818502.15	2.50E-05	1.05E-04	9.47E-06	2.09E-05	7.73E-05	6.80E-06	2.36E-06	1.35E-05	1.62E-06	2.15E-06	7.09E-06	4.89E-07
3760	470012.92	3818498.61	2.52E-05	1.06E-04	9.51E-06	2.09E-05	7.76E-05	6.83E-06	2.37E-06	1.36E-05	1.62E-06	2.16E-06	7.12E-06	4.91E-07
3761	470021.84	3818495.08	2.53E-05	1.06E-04	9.55E-06	2.10E-05	7.79E-05	6.86E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.15E-06	4.93E-07
3762	470030.76	3818491.55	2.54E-05	1.07E-04	9.60E-06	2.11E-05	7.83E-05	6.89E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.18E-06	4.95E-07
3763	470039.68	3818488.01	2.55E-05	1.07E-04	9.63E-06	2.12E-05	7.86E-05	6.91E-06	2.41E-06	1.38E-05	1.64E-06	2.19E-06	7.21E-06	4.97E-07
3764	470048.6	3818484.48	2.56E-05	1.07E-04	9.67E-06	2.13E-05	7.89E-05	6.94E-06	2.41E-06	1.38E-05	1.65E-06	2.20E-06	7.24E-06	4.99E-07
3765	470057.52	3818480.95	2.57E-05	1.08E-04	9.71E-06	2.14E-05	7.92E-05	6.97E-06	2.42E-06	1.39E-05	1.66E-06	2.20E-06	7.27E-06	5.01E-07
3766	470066.44	3818477.42	2.58E-05	1.08E-04	9.75E-06	2.15E-05	7.96E-05	7.00E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.30E-06	5.03E-07
3767	470075.36	3818473.88	2.59E-05	1.09E-04	9.78E-06	2.15E-05	7.98E-05	7.02E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.32E-06	5.05E-07
3768	470084.28	3818470.35	2.59E-05	1.09E-04	9.79E-06	2.16E-05	7.99E-05	7.03E-06	2.45E-06	1.40E-05	1.67E-06	2.22E-06	7.33E-06	5.05E-07
3769	470093.2	3818466.82	2.59E-05	1.09E-04	9.80E-06	2.16E-05	7.99E-05	7.03E-06	2.45E-06	1.40E-05	1.67E-06	2.22E-06	7.33E-06	5.05E-07
3770	470102.12	3818463.28	2.59E-05	1.09E-04	9.79E-06	2.16E-05	7.99E-05	7.03E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.33E-06	5.05E-07
3771	469328.72	3819239.82	7.62E-06	3.20E-05	2.88E-06	6.35E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.91E-07	6.54E-07	2.16E-06	1.49E-07
3772	469328.53	3819249.47	7.72E-06	3.24E-05	2.92E-06	6.43E-06	2.38E-05	2.09E-06	7.29E-07	4.17E-06	4.98E-07	6.62E-07	2.18E-06	1.51E-07
3773	469328.33	3819259.12	7.82E-06	3.28E-05	2.96E-06	6.52E-06	2.41E-05	2.12E-06	7.39E-07	4.23E-06	5.05E-07	6.71E-07	2.21E-06	1.53E-07
3774	469328.14	3819268.77	7.93E-06	3.33E-05	3.00E-06	6.61E-06	2.45E-05	2.15E-06	7.49E-07	4.29E-06	5.12E-07	6.81E-07	2.25E-06	1.55E-07
3775	469327.95	3819278.41	8.05E-06	3.38E-05	3.05E-06	6.71E-06	2.48E-05	2.19E-06	7.60E-07	4.35E-06	5.19E-07	6.91E-07	2.28E-06	1.57E-07
3776	469327.75	3819288.06	8.18E-06	3.43E-05	3.09E-06	6.81E-06	2.52E-05	2.22E-06	7.72E-07	4.42E-06	5.27E-07	7.02E-07	2.31E-06	1.60E-07
3777	469327.56	3819297.71	8.32E-06	3.49E-05	3.15E-06	6.93E-06	2.57E-05	2.26E-06	7.85E-07	4.50E-06	5.36E-07	7.14E-07	2.35E-06	1.62E-07
3778	469327.37	3819307.36	8.46E-06	3.55E-05	3.20E-06	7.05E-06	2.61E-05	2.30E-06	7.99E-07	4.57E-06	5.46E-07	7.26E-07	2.40E-06	1.65E-07
3779	469327.17	3819317.01	8.61E-06	3.62E-05	3.26E-06	7.17E-06	2.66E-05	2.34E-06	8.13E-07	4.66E-06	5.55E-07	7.39E-07	2.44E-06	1.68E-07
3780	469326.98	3819326.66	8.76E-06	3.68E-05	3.31E-06	7.30E-06	2.70E-05	2.38E-06	8.27E-07	4.74E-06	5.65E-07	7.52E-07	2.48E-06	1.71E-07
3781	469326.79	3819336.3	8.91E-06	3.74E-05	3.37E-06	7.42E-06	2.75E-05	2.42E-06	8.42E-07	4.82E-06	5.75E-07	7.65E-07	2.52E-06	1.74E-07
3782	469326.59	3819345.95	9.07E-06	3.81E-05	3.43E-06	7.56E-06	2.80E-05	2.46E-06	8.57E-07	4.90E-06	5.85E-07	7.79E-07	2.57E-06	1.77E-07
3783	469326.4	3819355.6	9.24E-06	3.88E-05	3.49E-06	7.69E-06	2.85E-05	2.51E-06	8.72E-07	4.99E-06	5.96E-07	7.93E-07	2.61E-06	1.80E-07
3784	469326.21	3819365.25	9.41E-06	3.95E-05	3.56E-06	7.84E-06	2.90E-05	2.55E-06	8.89E-07	5.09E-06	6.07E-07	8.08E-07	2.66E-06	1.84E-07
3785	469326.02	3819374.9	9.58E-06	4.02E-05	3.62E-06	7.98E-06	2.96E-05	2.60E-06	9.05E-07	5.18E-06	6.18E-07	8.23E-07	2.71E-06	1.87E-07
3786	469325.82	3819384.54	9.77E-06	4.10E-05	3.70E-06	8.14E-06	3.01E-05	2.65E-06	9.23E-07	5.28E-06	6.30E-07	8.39E-07	2.77E-06	1.91E-07
3787	469325.63	3819394.19	9.96E-06	4.18E-05	3.77E-06	8.30E-06	3.07E-05	2.70E-06	9.41E-07	5.39E-06	6.43E-07	8.55E-07	2.82E-06	1.94E-07
3788	469325.44	3819403.84	1.02E-05	4.27E-05	3.84E-06	8.46E-06	3.14E-05	2.76E-06	9.59E-07	5.49E-06	6.55E-07	8.72E-07	2.88E-06	1.98E-07
3789	469325.24	3819413.49	1.04E-05	4.35E-05	3.92E-06	8.64E-06	3.20E-05	2.81E-06	9.79E-07	5.60E-06	6.69E-07	8.90E-07	2.93E-06	2.02E-07
3790	469325.05	3819423.14	1.06E-05	4.44E-05	4.00E-06	8.82E-06	3.27E-05	2.87E-06	9.99E-07	5.72E-06	6.83E-07	9.09E-07	3.00E-06	2.07E-07
3791	469324.86	3819432.79	1.08E-05	4.54E-05	4.09E-06	9.00E-06	3.34E-05	2.93E-06	1.02E-06	5.84E-06	6.97E-07	9.28E-07	3.06E-06	2.11E-07
3792	469295.39	3819112.83	6.01E-06	2.53E-05	2.27E-06	5.01E-06	1.86E-05	1.63E-06	5.68E-07	3.25E-06	3.88E-07	5.16E-07	1.70E-06	1.17E-07

3793	469299.25	3819103.99	6.04E-06	2.54E-05	2.29E-06	5.03E-06	1.86E-05	1.64E-06	5.71E-07	3.27E-06	3.90E-07	5.19E-07	1.71E-06	1.18E-07
3794	469303.1	3819095.15	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.66E-06	5.76E-07	3.30E-06	3.93E-07	5.24E-07	1.73E-06	1.19E-07
3795	469306.96	3819086.31	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.82E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
3796	469310.81	3819077.47	6.22E-06	2.61E-05	2.35E-06	5.19E-06	1.92E-05	1.69E-06	5.88E-07	3.37E-06	4.02E-07	5.34E-07	1.76E-06	1.21E-07
3797	469314.67	3819068.63	6.30E-06	2.65E-05	2.38E-06	5.25E-06	1.94E-05	1.71E-06	5.95E-07	3.41E-06	4.06E-07	5.41E-07	1.78E-06	1.23E-07
3798	469318.52	3819059.79	6.38E-06	2.68E-05	2.41E-06	5.32E-06	1.97E-05	1.73E-06	6.03E-07	3.45E-06	4.12E-07	5.48E-07	1.81E-06	1.25E-07
3799	469322.38	3819050.95	6.48E-06	2.72E-05	2.45E-06	5.39E-06	2.00E-05	1.76E-06	6.11E-07	3.50E-06	4.18E-07	5.56E-07	1.83E-06	1.26E-07
3800	469326.24	3819042.1	6.57E-06	2.76E-05	2.49E-06	5.47E-06	2.03E-05	1.78E-06	6.21E-07	3.55E-06	4.24E-07	5.64E-07	1.86E-06	1.28E-07
3801	469330.09	3819033.26	6.68E-06	2.80E-05	2.53E-06	5.56E-06	2.06E-05	1.81E-06	6.31E-07	3.61E-06	4.31E-07	5.73E-07	1.89E-06	1.30E-07
3802	469333.95	3819024.42	6.79E-06	2.85E-05	2.57E-06	5.65E-06	2.09E-05	1.84E-06	6.41E-07	3.67E-06	4.38E-07	5.83E-07	1.92E-06	1.32E-07
3803	469337.8	3819015.58	6.91E-06	2.90E-05	2.61E-06	5.75E-06	2.13E-05	1.88E-06	6.52E-07	3.73E-06	4.46E-07	5.93E-07	1.96E-06	1.35E-07
3804	469341.66	3819006.74	7.01E-06	2.95E-05	2.65E-06	5.84E-06	2.16E-05	1.90E-06	6.62E-07	3.79E-06	4.52E-07	6.02E-07	1.99E-06	1.37E-07
3805	469345.51	3818997.9	7.13E-06	2.99E-05	2.70E-06	5.94E-06	2.20E-05	1.94E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
3806	469349.37	3818989.06	7.25E-06	3.05E-05	2.74E-06	6.04E-06	2.24E-05	1.97E-06	6.85E-07	3.92E-06	4.68E-07	6.23E-07	2.05E-06	1.42E-07
3807	469353.22	3818980.22	7.39E-06	3.11E-05	2.80E-06	6.16E-06	2.28E-05	2.01E-06	6.98E-07	4.00E-06	4.77E-07	6.35E-07	2.09E-06	1.44E-07
3808	469357.08	3818971.38	7.54E-06	3.17E-05	2.85E-06	6.28E-06	2.33E-05	2.05E-06	7.12E-07	4.08E-06	4.87E-07	6.48E-07	2.14E-06	1.47E-07
3809	469360.94	3818962.54	7.70E-06	3.23E-05	2.91E-06	6.41E-06	2.38E-05	2.09E-06	7.27E-07	4.16E-06	4.96E-07	6.61E-07	2.18E-06	1.50E-07
3810	469364.79	3818953.69	7.86E-06	3.30E-05	2.97E-06	6.54E-06	2.42E-05	2.13E-06	7.42E-07	4.25E-06	5.07E-07	6.74E-07	2.22E-06	1.53E-07
3811	469368.65	3818944.85	8.02E-06	3.37E-05	3.03E-06	6.68E-06	2.47E-05	2.18E-06	7.57E-07	4.34E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
3812	469372.5	3818936.01	8.18E-06	3.44E-05	3.09E-06	6.82E-06	2.53E-05	2.22E-06	7.73E-07	4.42E-06	5.28E-07	7.02E-07	2.32E-06	1.60E-07
3813	469376.36	3818927.17	8.35E-06	3.51E-05	3.16E-06	6.96E-06	2.58E-05	2.27E-06	7.89E-07	4.51E-06	5.39E-07	7.17E-07	2.36E-06	1.63E-07
3814	469380.21	3818918.33	8.51E-06	3.57E-05	3.22E-06	7.09E-06	2.63E-05	2.31E-06	8.04E-07	4.60E-06	5.49E-07	7.31E-07	2.41E-06	1.66E-07
3815	469384.07	3818909.49	8.67E-06	3.64E-05	3.28E-06	7.22E-06	2.68E-05	2.35E-06	8.19E-07	4.69E-06	5.59E-07	7.45E-07	2.46E-06	1.69E-07
3816	469387.93	3818900.65	8.83E-06	3.71E-05	3.34E-06	7.36E-06	2.73E-05	2.40E-06	8.34E-07	4.77E-06	5.70E-07	7.58E-07	2.50E-06	1.72E-07
3817	469391.78	3818891.81	9.00E-06	3.78E-05	3.40E-06	7.50E-06	2.78E-05	2.44E-06	8.50E-07	4.87E-06	5.81E-07	7.73E-07	2.55E-06	1.76E-07
3818	469395.64	3818882.97	9.17E-06	3.85E-05	3.47E-06	7.64E-06	2.83E-05	2.49E-06	8.66E-07	4.96E-06	5.91E-07	7.87E-07	2.60E-06	1.79E-07
3819	469399.49	3818874.13	9.33E-06	3.92E-05	3.53E-06	7.77E-06	2.88E-05	2.53E-06	8.81E-07	5.05E-06	6.02E-07	8.01E-07	2.64E-06	1.82E-07
3820	469403.35	3818865.28	9.50E-06	3.99E-05	3.59E-06	7.91E-06	2.93E-05	2.58E-06	8.97E-07	5.13E-06	6.13E-07	8.15E-07	2.69E-06	1.85E-07
3821	469407.2	3818856.44	9.65E-06	4.05E-05	3.65E-06	8.04E-06	2.98E-05	2.62E-06	9.11E-07	5.22E-06	6.22E-07	8.28E-07	2.73E-06	1.88E-07
3822	469411.06	3818847.6	9.79E-06	4.11E-05	3.70E-06	8.16E-06	3.02E-05	2.66E-06	9.25E-07	5.29E-06	6.32E-07	8.41E-07	2.77E-06	1.91E-07
3823	469414.91	3818838.76	9.94E-06	4.17E-05	3.76E-06	8.28E-06	3.07E-05	2.70E-06	9.39E-07	5.37E-06	6.41E-07	8.53E-07	2.81E-06	1.94E-07
3824	469418.77	3818829.92	1.01E-05	4.23E-05	3.81E-06	8.39E-06	3.11E-05	2.74E-06	9.52E-07	5.45E-06	6.50E-07	8.65E-07	2.85E-06	1.97E-07
3825	469422.63	3818821.08	1.02E-05	4.29E-05	3.86E-06	8.51E-06	3.15E-05	2.77E-06	9.65E-07	5.52E-06	6.59E-07	8.77E-07	2.89E-06	1.99E-07
3826	469426.48	3818812.24	1.03E-05	4.35E-05	3.91E-06	8.62E-06	3.19E-05	2.81E-06	9.77E-07	5.59E-06	6.67E-07	8.88E-07	2.93E-06	2.02E-07
3827	469430.34	3818803.4	1.05E-05	4.40E-05	3.96E-06	8.72E-06	3.23E-05	2.84E-06	9.89E-07	5.66E-06	6.75E-07	8.99E-07	2.96E-06	2.04E-07
3828	469434.19	3818794.56	1.06E-05	4.45E-05	4.01E-06	8.82E-06	3.27E-05	2.88E-06	1.00E-06	5.73E-06	6.83E-07	9.09E-07	3.00E-06	2.07E-07
3829	469438.05	3818785.72	1.07E-05	4.50E-05	4.05E-06	8.92E-06	3.31E-05	2.91E-06	1.01E-06	5.79E-06	6.91E-07	9.20E-07	3.03E-06	2.09E-07
3830	469441.9	3818776.88	1.08E-05	4.55E-05	4.10E-06	9.02E-06	3.34E-05	2.94E-06	1.02E-06	5.85E-06	6.98E-07	9.30E-07	3.07E-06	2.11E-07
3831	469445.76	3818768.03	1.09E-05	4.59E-05	4.14E-06	9.11E-06	3.37E-05	2.97E-06	1.03E-06	5.91E-06	7.05E-07	9.39E-07	3.10E-06	2.13E-07
3832	469449.62	3818759.19	1.10E-05	4.64E-05	4.18E-06	9.20E-06	3.41E-05	3.00E-06	1.04E-06	5.97E-06	7.12E-07	9.48E-07	3.13E-06	2.15E-07
3833	469453.47	3818750.35	1.11E-05	4.68E-05	4.21E-06	9.28E-06	3.44E-05	3.02E-06	1.05E-06	6.02E-06	7.18E-07	9.56E-07	3.15E-06	2.17E-07
3834	469457.33	3818741.51	1.12E-05	4.72E-05	4.25E-06	9.35E-06	3.46E-05	3.05E-06	1.06E-06	6.07E-06	7.24E-07	9.64E-07	3.18E-06	2.19E-07
3835	469461.18	3818732.67	1.13E-05	4.75E-05	4.28E-06	9.42E-06	3.49E-05	3.07E-06	1.07E-06	6.12E-06	7.30E-07	9.71E-07	3.20E-06	2.21E-07
3836	469465.04	3818723.83	1.14E-05	4.79E-05	4.31E-06	9.50E-06	3.52E-05	3.09E-06	1.08E-06	6.16E-06	7.35E-07	9.79E-07	3.23E-06	2.22E-07
3837	469468.89	3818714.99	1.15E-05	4.82E-05	4.34E-06	9.56E-06	3.54E-05	3.12E-06	1.08E-06	6.21E-06	7.41E-07	9.86E-07	3.25E-06	2.24E-07
3838	469472.75	3818706.15	1.16E-05	4.85E-05	4.37E-06	9.63E-06	3.57E-05	3.14E-06	1.09E-06	6.25E-06	7.46E-07	9.92E-07	3.27E-06	2.26E-07
3839	469476.61	3818697.31	1.16E-05	4.89E-05	4.40E-06	9.69E-06	3.59E-05	3.16E-06	1.10E-06	6.29E-06	7.51E-07	9.99E-07	3.29E-06	2.27E-07
3840	469480.46	3818688.47	1.17E-05	4.92E-05	4.43E-06	9.76E-06	3.62E-05	3.18E-06	1.11E-06	6.34E-06	7.56E-07	1.01E-06	3.32E-06	2.29E-07
3841	469484.32	3818679.62	1.18E-05	4.95E-05	4.46E-06	9.81E-06	3.64E-05	3.20E-06	1.11E-06	6.37E-06	7.60E-07	1.01E-06	3.33E-06	2.30E-07
3842	469503.59	3818635.42	1.21E-05	5.07E-05	4.57E-06	1.01E-05	3.73E-05	3.28E-06	1.14E-06	6.53E-06	7.79E-07	1.04E-06	3.42E-06	2.36E-07
3843	469507.45	3818626.58	1.21E-05	5.10E-05	4.59E-06	1.01E-05	3.75E-05	3.30E-06	1.15E-06	6.56E-06	7.83E-07	1.04E-06	3.44E-06	2.37E-07
3844	469520.27	3818614.19	1.24E-05	5.22E-05	4.70E-06	1.04E-05	3.83E-05	3.37E-06	1.17E-06	6.72E-06	8.01E-07	1.07E-06	3.52E-06	2.42E-07
3845	469529.24	3818610.63	1.27E-05	5.32E-05	4.79E-06	1.06E-05	3.91E-05	3.44E-06	1.20E-06	6.85E-06	8.17E-07	1.09E-06	3.59E-06	2.47E-07
3846	469538.21	3818607.08	1.29E-05	5.42E-05	4.88E-06	1.08E-05	3.98E-05	3.50E-06	1.22E-06	6.98E-06	8.33E-07	1.11E-06	3.65E-06	2.52E-07
3847	469547.18	3818603.53	1.32E-05	5.52E-05	4.97E-06	1.10E-05	4.06E-05	3.57E-06	1.24E-06	7.11E-06	8.48E-07	1.13E-06	3.72E-06	2.57E-07
3848	469556.14	3818599.98	1.34E-05	5.62E-05	5.07E-06	1.12E-05	4.13E-05	3.64E-06	1.26E-06	7.24E-06	8.64E-07	1.15E-06	3.79E-06	2.61E-07
3849	469565.11	3818596.43	1.36E-05	5.72E-05	5.15E-06	1.14E-05	4.21E-05	3.70E-06	1.29E-06	7.37E-06	8.79E-07	1.17E-06	3.86E-06	2.66E-07
3850	469574.08	3818592.88	1.39E-05	5.83E-05	5.25E-06	1.16E-05	4.28E-05	3.77E-06	1.31E-06	7.50E-06	8.95E-07	1.19E-06	3.93E-06	2.71E-07
3851	469583.05	3818589.32	1.41E-05	5.93E-05	5.34E-06	1.18E-05	4.36E-05	3.83E-06	1.33E-06	7.63E-06	9.11E-07	1.21E-06	4.00E-06	2.76E-07
3852	469592.01	3818585.77	1.44E-05	6.03E-05	5.43E-06	1.20E-05	4.43E-05	3.90E-06	1.36E-06	7.76E-06	9.26E-07	1.23E-06	4.06E-06	2.80E-07
3853	469600.98	3818582.22	1.46E-05	6.12E-05	5.51E-06	1.21E-05	4.50E-05	3.96E-06	1.38E-06	7.88E-06	9.40E-07	1.25E-06	4.13E-06	2.85E-07
3854	469609.95	3818578.67	1.48E-05	6.22E-05	5.60E-06	1.23E-05	4.57E-05	4.02E-06	1.40E-06	8.00E-06	9.55E-07	1.27E-06	4.19E-06	2.89E-07
3855	469618.91	3818575.12	1.50E-05	6.31E-05	5.68E-06	1.25E-05	4.63E-05	4.08E-06	1.42E-06	8.12E-06	9.68E-07	1.29E-06	4.25E-06	2.93E-07
3856	469627.88	3818571.57	1.52E-05	6.40E-05	5.76E-06	1.27E-05	4.70E-05	4.13E-06	1.44E-06	8.23E-06	9.82E-07	1.31E-06	4.31E-06	2.97E-07
3857	469636.85	3818568.01	1.54E-05	6.48E-05	5.83E-06	1.28E-05	4.76E-05	4.19E-06	1.46E-06	8.34E-06	9.95E-07	1.32E-06	4.37E-06	3.01E-07
3858	469645.82	3818564.46	1.56E-05	6.56E-05	5.91E-06	1.30E-05	4.82E-05	4.24E-06	1.47E-06	8.44E-06	1.01E-06	1.34E-06	4.42E-06	3.05E-07
3859	469654.78	3818560.91	1.58E-05	6.63E-05	5.97E-06	1.32E-05	4.88E-05	4.29E-06	1.49E-06	8.54E-06	1.02E-06	1.36E-06	4.47E-06	3.08E-07
3860	469663.75	3818557.36	1.60E-05	6.71E-05	6.04E-06	1.33E-05	4.93E-05	4.34E-06	1.51E-06	8.64E-06	1.03E-06	1.37E-06	4.52E-06	3.12E-07
3861	469672.72	3818553.81	1.62E-05	6.78E-05	6.11E-06	1.35E-05	4.98E-05	4.39E-06	1.53E-06	8.73E-06	1.04E-06	1.39E-06	4.57E-06	3.15E-07
3862	469708.59	3818539.6	1.69E-05	7.08E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
3863	469717.56	3818536.05	1.71E-05	7.17E-05	6.45E-06	1.42E-05	5.27E-05	4.63E-06	1.61E-06	9.22E-06	1.10E-06	1.46E-06	4.83E-06	3.33E-07
3864	469726.52	3818532.5	1.72E-05	7.23E-05	6.51E-06	1.43E-05	5.31E-05	4.68E-06	1.63E-06	9.31E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
3865	469735.49	3818528.95	1.74E-05	7.30E-05	6.58E-06	1.45E-05	5.36E-05	4.72E-06	1.64E-06	9.40E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07

3866	469744.46	3818525.39	1.75E-05	7.37E-05	6.64E-06	1.46E-05	5.42E-05	4.76E-06	1.66E-06	9.49E-06	1.13E-06	1.51E-06	4.97E-06	3.42E-07
3867	469753.43	3818521.84	1.77E-05	7.44E-05	6.70E-06	1.48E-05	5.47E-05	4.81E-06	1.67E-06	9.58E-06	1.14E-06	1.52E-06	5.01E-06	3.46E-07
3868	469762.39	3818518.29	1.79E-05	7.51E-05	6.76E-06	1.49E-05	5.51E-05	4.85E-06	1.69E-06	9.66E-06	1.15E-06	1.53E-06	5.06E-06	3.49E-07
3869	469771.36	3818514.74	1.80E-05	7.57E-05	6.82E-06	1.50E-05	5.56E-05	4.89E-06	1.70E-06	9.75E-06	1.16E-06	1.55E-06	5.10E-06	3.52E-07
3870	469780.33	3818511.19	1.82E-05	7.64E-05	6.88E-06	1.51E-05	5.61E-05	4.94E-06	1.72E-06	9.83E-06	1.17E-06	1.56E-06	5.15E-06	3.55E-07
3871	469789.3	3818507.64	1.83E-05	7.70E-05	6.93E-06	1.53E-05	5.66E-05	4.98E-06	1.73E-06	9.91E-06	1.18E-06	1.57E-06	5.19E-06	3.58E-07
3872	469798.26	3818504.08	1.85E-05	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.02E-06	1.75E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.61E-07
3873	469807.23	3818500.53	1.86E-05	7.82E-05	7.04E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.27E-06	3.63E-07
3874	469816.2	3818496.98	1.88E-05	7.88E-05	7.10E-06	1.56E-05	5.79E-05	5.10E-06	1.77E-06	1.02E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
3875	469825.17	3818493.43	1.89E-05	7.95E-05	7.16E-06	1.58E-05	5.84E-05	5.14E-06	1.79E-06	1.02E-05	1.22E-06	1.62E-06	5.36E-06	3.69E-07
3876	469834.13	3818489.88	1.91E-05	8.00E-05	7.20E-06	1.59E-05	5.88E-05	5.17E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.39E-06	3.72E-07
3877	469843.1	3818486.33	1.92E-05	8.05E-05	7.25E-06	1.60E-05	5.92E-05	5.21E-06	1.81E-06	1.04E-05	1.24E-06	1.65E-06	5.43E-06	3.74E-07
3878	469852.07	3818482.78	1.93E-05	8.11E-05	7.30E-06	1.61E-05	5.96E-05	5.24E-06	1.82E-06	1.04E-05	1.24E-06	1.66E-06	5.46E-06	3.77E-07
3879	469861.04	3818479.22	1.94E-05	8.16E-05	7.34E-06	1.62E-05	5.99E-05	5.27E-06	1.83E-06	1.05E-05	1.25E-06	1.67E-06	5.50E-06	3.79E-07
3880	469870	3818475.67	1.95E-05	8.21E-05	7.39E-06	1.63E-05	6.03E-05	5.30E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.53E-06	3.81E-07
3881	469878.97	3818472.12	1.96E-05	8.25E-05	7.43E-06	1.64E-05	6.06E-05	5.33E-06	1.85E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.83E-07
3882	469887.94	3818468.57	1.97E-05	8.28E-05	7.46E-06	1.64E-05	6.09E-05	5.35E-06	1.86E-06	1.07E-05	1.27E-06	1.69E-06	5.58E-06	3.85E-07
3883	469896.9	3818465.02	1.98E-05	8.32E-05	7.49E-06	1.65E-05	6.11E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.61E-06	3.86E-07
3884	469905.87	3818461.47	1.99E-05	8.35E-05	7.52E-06	1.66E-05	6.14E-05	5.40E-06	1.88E-06	1.07E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
3885	469914.84	3818457.91	2.00E-05	8.38E-05	7.55E-06	1.66E-05	6.16E-05	5.42E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.65E-06	3.89E-07
3886	470031.42	3818411.74	2.12E-05	8.92E-05	8.03E-06	1.77E-05	6.56E-05	5.77E-06	2.01E-06	1.15E-05	1.37E-06	1.82E-06	6.01E-06	4.15E-07
3887	470040.38	3818408.19	2.14E-05	8.97E-05	8.08E-06	1.78E-05	6.59E-05	5.80E-06	2.02E-06	1.15E-05	1.38E-06	1.83E-06	6.04E-06	4.17E-07
3888	470049.35	3818404.64	2.15E-05	9.01E-05	8.12E-06	1.79E-05	6.62E-05	5.83E-06	2.03E-06	1.16E-05	1.38E-06	1.84E-06	6.07E-06	4.19E-07
3889	470058.32	3818401.09	2.16E-05	9.06E-05	8.16E-06	1.80E-05	6.65E-05	5.85E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.10E-06	4.21E-07
3890	470067.29	3818397.54	2.17E-05	9.09E-05	8.19E-06	1.80E-05	6.68E-05	5.88E-06	2.04E-06	1.17E-05	1.40E-06	1.86E-06	6.13E-06	4.22E-07
3891	470076.25	3818393.98	2.17E-05	9.12E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.15E-06	4.24E-07
3892	470085.22	3818390.43	2.18E-05	9.14E-05	8.23E-06	1.81E-05	6.72E-05	5.91E-06	2.06E-06	1.18E-05	1.40E-06	1.87E-06	6.16E-06	4.25E-07
3893	470094.19	3818386.88	2.18E-05	9.15E-05	8.24E-06	1.82E-05	6.72E-05	5.92E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.17E-06	4.25E-07
3894	470103.16	3818383.33	2.18E-05	9.15E-05	8.24E-06	1.81E-05	6.72E-05	5.91E-06	2.06E-06	1.18E-05	1.40E-06	1.87E-06	6.17E-06	4.25E-07
3895	470112.12	3818379.78	2.17E-05	9.13E-05	8.22E-06	1.81E-05	6.71E-05	5.90E-06	2.05E-06	1.17E-05	1.40E-06	1.87E-06	6.15E-06	4.24E-07
3896	469248.74	3819238.22	6.24E-06	2.62E-05	2.36E-06	5.20E-06	1.93E-05	1.70E-06	5.90E-07	3.38E-06	4.03E-07	5.36E-07	1.77E-06	1.22E-07
3897	469248.54	3819247.87	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.99E-07	3.43E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
3898	469248.35	3819257.52	6.44E-06	2.71E-05	2.44E-06	5.37E-06	1.99E-05	1.75E-06	6.08E-07	3.48E-06	4.15E-07	5.53E-07	1.82E-06	1.26E-07
3899	469248.16	3819267.16	6.55E-06	2.75E-05	2.48E-06	5.45E-06	2.02E-05	1.78E-06	6.18E-07	3.54E-06	4.22E-07	5.62E-07	1.85E-06	1.28E-07
3900	469247.96	3819276.81	6.66E-06	2.80E-05	2.52E-06	5.55E-06	2.05E-05	1.81E-06	6.29E-07	3.60E-06	4.29E-07	5.72E-07	1.88E-06	1.30E-07
3901	469247.77	3819286.46	6.79E-06	2.85E-05	2.57E-06	5.65E-06	2.09E-05	1.84E-06	6.41E-07	3.67E-06	4.38E-07	5.83E-07	1.92E-06	1.32E-07
3902	469247.58	3819296.11	6.89E-06	2.89E-05	2.61E-06	5.74E-06	2.13E-05	1.87E-06	6.51E-07	3.72E-06	4.44E-07	5.91E-07	1.95E-06	1.34E-07
3903	469247.38	3819305.76	6.99E-06	2.94E-05	2.64E-06	5.82E-06	2.16E-05	1.90E-06	6.60E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
3904	469247.19	3819315.41	7.10E-06	2.98E-05	2.69E-06	5.91E-06	2.19E-05	1.93E-06	6.71E-07	3.84E-06	4.58E-07	6.10E-07	2.01E-06	1.39E-07
3905	469247	3819325.05	7.21E-06	3.03E-05	2.73E-06	6.01E-06	2.23E-05	1.96E-06	6.81E-07	3.90E-06	4.65E-07	6.19E-07	2.04E-06	1.41E-07
3906	469246.8	3819334.7	7.33E-06	3.08E-05	2.77E-06	6.10E-06	2.26E-05	1.99E-06	6.92E-07	3.96E-06	4.73E-07	6.29E-07	2.07E-06	1.43E-07
3907	469246.61	3819344.35	7.44E-06	3.13E-05	2.81E-06	6.20E-06	2.30E-05	2.02E-06	7.03E-07	4.02E-06	4.80E-07	6.39E-07	2.11E-06	1.45E-07
3908	469246.42	3819354	7.57E-06	3.18E-05	2.86E-06	6.30E-06	2.34E-05	2.05E-06	7.15E-07	4.09E-06	4.88E-07	6.50E-07	2.14E-06	1.48E-07
3909	469246.22	3819363.65	7.70E-06	3.23E-05	2.91E-06	6.41E-06	2.38E-05	2.09E-06	7.27E-07	4.16E-06	4.96E-07	6.61E-07	2.18E-06	1.50E-07
3910	469246.03	3819373.29	7.83E-06	3.29E-05	2.96E-06	6.52E-06	2.42E-05	2.12E-06	7.39E-07	4.23E-06	5.05E-07	6.72E-07	2.22E-06	1.53E-07
3911	469245.84	3819382.94	7.97E-06	3.35E-05	3.01E-06	6.64E-06	2.46E-05	2.16E-06	7.53E-07	4.31E-06	5.14E-07	6.84E-07	2.26E-06	1.56E-07
3912	469245.65	3819392.59	8.12E-06	3.41E-05	3.07E-06	6.76E-06	2.51E-05	2.20E-06	7.67E-07	4.39E-06	5.24E-07	6.97E-07	2.30E-06	1.58E-07
3913	469245.45	3819402.24	8.27E-06	3.47E-05	3.13E-06	6.89E-06	2.55E-05	2.25E-06	7.81E-07	4.47E-06	5.34E-07	7.10E-07	2.34E-06	1.61E-07
3914	469245.26	3819411.89	8.42E-06	3.54E-05	3.19E-06	7.02E-06	2.60E-05	2.29E-06	7.95E-07	4.55E-06	5.43E-07	7.23E-07	2.38E-06	1.64E-07
3915	469245.07	3819421.54	8.58E-06	3.60E-05	3.25E-06	7.15E-06	2.65E-05	2.33E-06	8.10E-07	4.64E-06	5.54E-07	7.37E-07	2.43E-06	1.67E-07
3916	469244.87	3819431.18	8.74E-06	3.67E-05	3.31E-06	7.28E-06	2.70E-05	2.37E-06	8.25E-07	4.73E-06	5.64E-07	7.50E-07	2.47E-06	1.71E-07
3917	469176.78	3819199.8	5.05E-06	2.12E-05	1.91E-06	4.20E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.25E-07	4.33E-07	1.43E-06	9.85E-08
3918	469180.6	3819191.04	5.02E-06	2.11E-05	1.90E-06	4.18E-06	1.55E-05	1.36E-06	4.74E-07	2.71E-06	3.24E-07	4.31E-07	1.42E-06	9.79E-08
3919	469184.42	3819182.28	4.99E-06	2.10E-05	1.89E-06	4.16E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.22E-07	4.29E-07	1.41E-06	9.74E-08
3920	469188.24	3819173.52	4.97E-06	2.09E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.70E-07	2.69E-06	3.21E-07	4.27E-07	1.41E-06	9.71E-08
3921	469192.06	3819164.75	4.96E-06	2.08E-05	1.88E-06	4.13E-06	1.53E-05	1.35E-06	4.68E-07	2.68E-06	3.20E-07	4.26E-07	1.40E-06	9.68E-08
3922	469195.89	3819155.99	4.95E-06	2.08E-05	1.87E-06	4.12E-06	1.53E-05	1.34E-06	4.67E-07	2.68E-06	3.19E-07	4.25E-07	1.40E-06	9.66E-08
3923	469199.71	3819147.23	4.95E-06	2.08E-05	1.87E-06	4.12E-06	1.53E-05	1.34E-06	4.67E-07	2.67E-06	3.19E-07	4.25E-07	1.40E-06	9.65E-08
3924	469203.53	3819138.47	4.95E-06	2.08E-05	1.87E-06	4.12E-06	1.53E-05	1.34E-06	4.67E-07	2.67E-06	3.19E-07	4.25E-07	1.40E-06	9.65E-08
3925	469207.35	3819129.71	4.95E-06	2.08E-05	1.87E-06	4.13E-06	1.53E-05	1.35E-06	4.68E-07	2.68E-06	3.20E-07	4.25E-07	1.40E-06	9.67E-08
3926	469211.17	3819120.95	4.96E-06	2.08E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.69E-07	2.68E-06	3.20E-07	4.26E-07	1.41E-06	9.69E-08
3927	469214.99	3819112.18	4.98E-06	2.09E-05	1.88E-06	4.15E-06	1.54E-05	1.35E-06	4.71E-07	2.69E-06	3.21E-07	4.28E-07	1.41E-06	9.72E-08
3928	469218.81	3819103.42	5.00E-06	2.10E-05	1.89E-06	4.17E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.23E-07	4.29E-07	1.42E-06	9.76E-08
3929	469222.63	3819094.66	5.03E-06	2.11E-05	1.90E-06	4.19E-06	1.55E-05	1.37E-06	4.75E-07	2.72E-06	3.25E-07	4.32E-07	1.42E-06	9.82E-08
3930	469226.45	3819085.9	5.07E-06	2.13E-05	1.92E-06	4.22E-06	1.56E-05	1.38E-06	4.78E-07	2.74E-06	3.27E-07	4.35E-07	1.43E-06	9.88E-08
3931	469230.27	3819077.14	5.10E-06	2.14E-05	1.93E-06	4.25E-06	1.57E-05	1.39E-06	4.82E-07	2.76E-06	3.29E-07	4.38E-07	1.44E-06	9.96E-08
3932	469234.09	3819068.38	5.14E-06	2.16E-05	1.94E-06	4.28E-06	1.59E-05	1.39E-06	4.85E-07	2.78E-06	3.31E-07	4.41E-07	1.45E-06	1.00E-07
3933	469237.92	3819059.62	5.18E-06	2.17E-05	1.96E-06	4.31E-06	1.60E-05	1.41E-06	4.89E-07	2.80E-06	3.34E-07	4.44E-07	1.47E-06	1.01E-07
3934	469241.74	3819050.85	5.22E-06	2.19E-05	1.97E-06	4.35E-06	1.61E-05	1.42E-06	4.93E-07	2.82E-06	3.37E-07	4.48E-07	1.48E-06	1.02E-07
3935	469245.56	3819042.09	5.28E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
3936	469249.38	3819033.33	5.35E-06	2.25E-05	2.02E-06	4.46E-06	1.65E-05	1.45E-06	5.05E-07	2.89E-06	3.45E-07	4.59E-07	1.51E-06	1.04E-07
3937	469253.2	3819024.57	5.42E-06	2.27E-05	2.05E-06	4.51E-06	1.67E-05	1.47E-06	5.12E-07	2.93E-06	3.49E-07	4.65E-07	1.53E-06	1.06E-07
3938	469272.3	3818980.76	5.85E-06	2.46E-05	2.21E-06	4.88E-06	1.81E-05	1.59E-06	5.53E-07	3.16E-06	3.78E-07	5.03E-07	1.66E-06	1.14E-07

3939	469276.13	3818972	5.96E-06	2.50E-05	2.25E-06	4.96E-06	1.84E-05	1.62E-06	5.63E-07	3.22E-06	3.84E-07	5.12E-07	1.69E-06	1.16E-07
3940	469279.95	3818963.24	6.07E-06	2.55E-05	2.29E-06	5.05E-06	1.87E-05	1.65E-06	5.73E-07	3.28E-06	3.91E-07	5.21E-07	1.72E-06	1.18E-07
3941	469283.77	3818954.48	6.18E-06	2.60E-05	2.34E-06	5.15E-06	1.91E-05	1.68E-06	5.84E-07	3.34E-06	3.99E-07	5.31E-07	1.75E-06	1.21E-07
3942	469287.59	3818945.72	6.30E-06	2.64E-05	2.38E-06	5.25E-06	1.94E-05	1.71E-06	5.95E-07	3.40E-06	4.06E-07	5.41E-07	1.78E-06	1.23E-07
3943	469291.41	3818936.96	6.42E-06	2.70E-05	2.43E-06	5.35E-06	1.98E-05	1.74E-06	6.06E-07	3.47E-06	4.14E-07	5.51E-07	1.82E-06	1.25E-07
3944	469295.23	3818928.19	6.55E-06	2.75E-05	2.48E-06	5.45E-06	2.02E-05	1.78E-06	6.18E-07	3.54E-06	4.22E-07	5.62E-07	1.85E-06	1.28E-07
3945	469299.05	3818919.43	6.67E-06	2.80E-05	2.52E-06	5.55E-06	2.06E-05	1.81E-06	6.30E-07	3.60E-06	4.30E-07	5.72E-07	1.89E-06	1.30E-07
3946	469302.87	3818910.67	6.79E-06	2.85E-05	2.57E-06	5.65E-06	2.09E-05	1.84E-06	6.41E-07	3.67E-06	4.38E-07	5.83E-07	1.92E-06	1.32E-07
3947	469306.69	3818901.91	6.91E-06	2.90E-05	2.61E-06	5.76E-06	2.13E-05	1.88E-06	6.53E-07	3.74E-06	4.46E-07	5.93E-07	1.96E-06	1.35E-07
3948	469310.51	3818893.15	7.04E-06	2.96E-05	2.66E-06	5.87E-06	2.17E-05	1.91E-06	6.65E-07	3.81E-06	4.54E-07	6.05E-07	1.99E-06	1.37E-07
3949	469314.34	3818884.39	7.18E-06	3.02E-05	2.72E-06	5.98E-06	2.22E-05	1.95E-06	6.78E-07	3.88E-06	4.63E-07	6.17E-07	2.03E-06	1.40E-07
3950	469318.16	3818875.62	7.32E-06	3.07E-05	2.77E-06	6.10E-06	2.26E-05	1.99E-06	6.91E-07	3.96E-06	4.72E-07	6.29E-07	2.07E-06	1.43E-07
3951	469321.98	3818866.86	7.46E-06	3.13E-05	2.82E-06	6.21E-06	2.30E-05	2.02E-06	7.04E-07	4.03E-06	4.81E-07	6.40E-07	2.11E-06	1.45E-07
3952	469325.8	3818858.1	7.60E-06	3.19E-05	2.87E-06	6.33E-06	2.34E-05	2.06E-06	7.17E-07	4.11E-06	4.90E-07	6.52E-07	2.15E-06	1.48E-07
3953	469329.62	3818849.34	7.74E-06	3.25E-05	2.93E-06	6.44E-06	2.39E-05	2.10E-06	7.30E-07	4.18E-06	4.99E-07	6.64E-07	2.19E-06	1.51E-07
3954	469333.44	3818840.58	7.87E-06	3.30E-05	2.97E-06	6.55E-06	2.43E-05	2.14E-06	7.43E-07	4.25E-06	5.07E-07	6.75E-07	2.23E-06	1.53E-07
3955	469337.26	3818831.82	8.00E-06	3.36E-05	3.02E-06	6.66E-06	2.47E-05	2.17E-06	7.55E-07	4.32E-06	5.16E-07	6.86E-07	2.26E-06	1.56E-07
3956	469341.08	3818823.06	8.12E-06	3.41E-05	3.07E-06	6.76E-06	2.51E-05	2.20E-06	7.67E-07	4.39E-06	5.24E-07	6.97E-07	2.30E-06	1.58E-07
3957	469344.9	3818814.29	8.24E-06	3.46E-05	3.12E-06	6.86E-06	2.54E-05	2.24E-06	7.78E-07	4.45E-06	5.32E-07	7.07E-07	2.33E-06	1.61E-07
3958	469348.72	3818805.53	8.36E-06	3.51E-05	3.16E-06	6.96E-06	2.58E-05	2.27E-06	7.90E-07	4.52E-06	5.39E-07	7.18E-07	2.37E-06	1.63E-07
3959	469352.54	3818796.77	8.48E-06	3.56E-05	3.21E-06	7.06E-06	2.62E-05	2.30E-06	8.00E-07	4.58E-06	5.47E-07	7.28E-07	2.40E-06	1.65E-07
3960	469356.37	3818788.01	8.59E-06	3.61E-05	3.25E-06	7.16E-06	2.65E-05	2.33E-06	8.11E-07	4.64E-06	5.54E-07	7.38E-07	2.43E-06	1.68E-07
3961	469360.19	3818779.25	8.70E-06	3.65E-05	3.29E-06	7.24E-06	2.68E-05	2.36E-06	8.21E-07	4.70E-06	5.61E-07	7.47E-07	2.46E-06	1.70E-07
3962	469364.01	3818770.49	8.80E-06	3.70E-05	3.33E-06	7.33E-06	2.72E-05	2.39E-06	8.31E-07	4.76E-06	5.68E-07	7.55E-07	2.49E-06	1.72E-07
3963	469367.83	3818761.73	8.89E-06	3.74E-05	3.36E-06	7.41E-06	2.74E-05	2.41E-06	8.40E-07	4.81E-06	5.74E-07	7.64E-07	2.52E-06	1.74E-07
3964	469371.65	3818752.96	8.99E-06	3.77E-05	3.40E-06	7.48E-06	2.77E-05	2.44E-06	8.49E-07	4.86E-06	5.80E-07	7.71E-07	2.54E-06	1.75E-07
3965	469375.47	3818744.2	9.07E-06	3.81E-05	3.43E-06	7.56E-06	2.80E-05	2.46E-06	8.57E-07	4.90E-06	5.85E-07	7.79E-07	2.57E-06	1.77E-07
3966	469379.29	3818735.44	9.15E-06	3.84E-05	3.46E-06	7.63E-06	2.82E-05	2.49E-06	8.64E-07	4.95E-06	5.90E-07	7.86E-07	2.59E-06	1.79E-07
3967	469383.11	3818726.68	9.23E-06	3.88E-05	3.49E-06	7.69E-06	2.85E-05	2.51E-06	8.72E-07	4.99E-06	5.95E-07	7.92E-07	2.61E-06	1.80E-07
3968	469386.93	3818717.92	9.30E-06	3.91E-05	3.52E-06	7.75E-06	2.87E-05	2.53E-06	8.79E-07	5.03E-06	6.00E-07	7.99E-07	2.63E-06	1.82E-07
3969	469390.75	3818709.16	9.38E-06	3.94E-05	3.55E-06	7.81E-06	2.89E-05	2.55E-06	8.85E-07	5.07E-06	6.05E-07	8.05E-07	2.65E-06	1.83E-07
3970	469394.58	3818700.4	9.44E-06	3.97E-05	3.57E-06	7.87E-06	2.91E-05	2.56E-06	8.92E-07	5.11E-06	6.09E-07	8.11E-07	2.67E-06	1.84E-07
3971	469398.4	3818691.63	9.51E-06	3.99E-05	3.60E-06	7.92E-06	2.93E-05	2.58E-06	8.98E-07	5.14E-06	6.13E-07	8.16E-07	2.69E-06	1.85E-07
3972	469402.22	3818682.87	9.56E-06	4.02E-05	3.62E-06	7.97E-06	2.95E-05	2.60E-06	9.03E-07	5.17E-06	6.17E-07	8.21E-07	2.71E-06	1.87E-07
3973	469406.04	3818674.11	9.62E-06	4.04E-05	3.64E-06	8.01E-06	2.97E-05	2.61E-06	9.09E-07	5.20E-06	6.21E-07	8.26E-07	2.72E-06	1.88E-07
3974	469409.86	3818665.35	9.67E-06	4.06E-05	3.66E-06	8.06E-06	2.99E-05	2.63E-06	9.14E-07	5.23E-06	6.24E-07	8.30E-07	2.74E-06	1.89E-07
3975	469413.68	3818656.59	9.74E-06	4.09E-05	3.68E-06	8.11E-06	3.00E-05	2.64E-06	9.19E-07	5.26E-06	6.28E-07	8.36E-07	2.76E-06	1.90E-07
3976	469417.5	3818647.83	9.78E-06	4.11E-05	3.70E-06	8.15E-06	3.02E-05	2.66E-06	9.24E-07	5.29E-06	6.31E-07	8.40E-07	2.77E-06	1.91E-07
3977	469421.32	3818639.07	9.83E-06	4.13E-05	3.72E-06	8.19E-06	3.03E-05	2.67E-06	9.29E-07	5.32E-06	6.34E-07	8.44E-07	2.78E-06	1.92E-07
3978	469425.14	3818630.3	9.88E-06	4.15E-05	3.74E-06	8.23E-06	3.05E-05	2.68E-06	9.33E-07	5.34E-06	6.37E-07	8.48E-07	2.80E-06	1.93E-07
3979	469428.96	3818621.54	9.93E-06	4.17E-05	3.76E-06	8.27E-06	3.07E-05	2.70E-06	9.38E-07	5.37E-06	6.41E-07	8.53E-07	2.81E-06	1.94E-07
3980	469432.79	3818612.78	9.99E-06	4.19E-05	3.78E-06	8.32E-06	3.08E-05	2.71E-06	9.43E-07	5.40E-06	6.44E-07	8.57E-07	2.83E-06	1.95E-07
3981	469436.61	3818604.02	1.00E-05	4.22E-05	3.80E-06	8.36E-06	3.10E-05	2.73E-06	9.48E-07	5.43E-06	6.48E-07	8.62E-07	2.84E-06	1.96E-07
3982	469440.43	3818595.26	1.01E-05	4.23E-05	3.81E-06	8.40E-06	3.11E-05	2.74E-06	9.52E-07	5.45E-06	6.50E-07	8.66E-07	2.85E-06	1.97E-07
3983	469444.25	3818586.5	1.01E-05	4.26E-05	3.84E-06	8.45E-06	3.13E-05	2.75E-06	9.58E-07	5.48E-06	6.54E-07	8.71E-07	2.87E-06	1.98E-07
3984	469448.07	3818577.73	1.02E-05	4.28E-05	3.86E-06	8.49E-06	3.15E-05	2.77E-06	9.63E-07	5.51E-06	6.57E-07	8.75E-07	2.89E-06	1.99E-07
3985	469451.89	3818568.97	1.02E-05	4.30E-05	3.87E-06	8.53E-06	3.16E-05	2.78E-06	9.67E-07	5.54E-06	6.61E-07	8.79E-07	2.90E-06	2.00E-07
3986	469464.6	3818556.69	1.05E-05	4.40E-05	3.96E-06	8.73E-06	3.23E-05	2.85E-06	9.90E-07	5.67E-06	6.76E-07	9.00E-07	2.97E-06	2.05E-07
3987	469473.48	3818553.17	1.07E-05	4.49E-05	4.04E-06	8.90E-06	3.30E-05	2.90E-06	1.01E-06	5.78E-06	6.89E-07	9.17E-07	3.02E-06	2.08E-07
3988	469482.37	3818549.65	1.09E-05	4.57E-05	4.12E-06	9.07E-06	3.36E-05	2.96E-06	1.03E-06	5.89E-06	7.02E-07	9.35E-07	3.08E-06	2.12E-07
3989	469509.03	3818539.09	1.15E-05	4.82E-05	4.34E-06	9.56E-06	3.54E-05	3.11E-06	1.08E-06	6.20E-06	7.40E-07	9.85E-07	3.25E-06	2.24E-07
3990	469517.92	3818535.57	1.17E-05	4.90E-05	4.41E-06	9.72E-06	3.60E-05	3.17E-06	1.10E-06	6.31E-06	7.52E-07	1.00E-06	3.30E-06	2.28E-07
3991	469526.81	3818532.05	1.18E-05	4.97E-05	4.48E-06	9.87E-06	3.65E-05	3.22E-06	1.12E-06	6.40E-06	7.64E-07	1.02E-06	3.35E-06	2.31E-07
3992	469535.69	3818528.53	1.20E-05	5.05E-05	4.55E-06	1.00E-05	3.71E-05	3.26E-06	1.14E-06	6.50E-06	7.75E-07	1.03E-06	3.40E-06	2.35E-07
3993	469544.58	3818525.01	1.22E-05	5.12E-05	4.61E-06	1.02E-05	3.76E-05	3.31E-06	1.15E-06	6.59E-06	7.87E-07	1.05E-06	3.45E-06	2.38E-07
3994	469553.47	3818521.5	1.24E-05	5.19E-05	4.68E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.69E-06	7.98E-07	1.06E-06	3.50E-06	2.41E-07
3995	469562.35	3818517.98	1.25E-05	5.26E-05	4.74E-06	1.04E-05	3.87E-05	3.40E-06	1.18E-06	6.78E-06	8.09E-07	1.08E-06	3.55E-06	2.45E-07
3996	469571.24	3818514.46	1.27E-05	5.34E-05	4.80E-06	1.06E-05	3.92E-05	3.45E-06	1.20E-06	6.87E-06	8.19E-07	1.09E-06	3.60E-06	2.48E-07
3997	469580.13	3818510.94	1.29E-05	5.40E-05	4.86E-06	1.07E-05	3.97E-05	3.49E-06	1.21E-06	6.95E-06	8.29E-07	1.10E-06	3.64E-06	2.51E-07
3998	469589.01	3818507.42	1.30E-05	5.46E-05	4.92E-06	1.08E-05	4.01E-05	3.53E-06	1.23E-06	7.03E-06	8.39E-07	1.12E-06	3.68E-06	2.54E-07
3999	469597.9	3818503.9	1.31E-05	5.52E-05	4.97E-06	1.10E-05	4.06E-05	3.57E-06	1.24E-06	7.11E-06	8.48E-07	1.13E-06	3.72E-06	2.57E-07
4000	469606.79	3818500.38	1.33E-05	5.58E-05	5.02E-06	1.11E-05	4.10E-05	3.61E-06	1.25E-06	7.18E-06	8.57E-07	1.14E-06	3.76E-06	2.59E-07
4001	469615.67	3818496.86	1.34E-05	5.63E-05	5.07E-06	1.12E-05	4.14E-05	3.64E-06	1.27E-06	7.25E-06	8.65E-07	1.15E-06	3.80E-06	2.62E-07
4002	469624.56	3818493.34	1.35E-05	5.69E-05	5.12E-06	1.13E-05	4.18E-05	3.68E-06	1.28E-06	7.32E-06	8.74E-07	1.16E-06	3.83E-06	2.64E-07
4003	469633.45	3818489.82	1.37E-05	5.74E-05	5.17E-06	1.14E-05	4.22E-05	3.71E-06	1.29E-06	7.39E-06	8.82E-07	1.17E-06	3.87E-06	2.67E-07
4004	469642.33	3818486.3	1.38E-05	5.80E-05	5.22E-06	1.15E-05	4.26E-05	3.75E-06	1.30E-06	7.47E-06	8.91E-07	1.19E-06	3.91E-06	2.69E-07
4005	469651.22	3818482.78	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.32E-06	7.53E-06	8.99E-07	1.20E-06	3.94E-06	2.72E-07
4006	469660.11	3818479.26	1.41E-05	5.90E-05	5.32E-06	1.17E-05	4.34E-05	3.82E-06	1.33E-06	7.60E-06	9.07E-07	1.21E-06	3.98E-06	2.74E-07
4007	469668.99	3818475.74	1.42E-05	5.96E-05	5.37E-06	1.18E-05	4.38E-05	3.85E-06	1.34E-06	7.67E-06	9.15E-07	1.22E-06	4.02E-06	2.77E-07
4008	469677.88	3818472.22	1.43E-05	6.02E-05	5.42E-06	1.19E-05	4.42E-05	3.89E-06	1.35E-06	7.75E-06	9.24E-07	1.23E-06	4.06E-06	2.80E-07
4009	469713.43	3818458.14	1.49E-05	6.24E-05	5.62E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.03E-06	9.58E-07	1.28E-06	4.20E-06	2.90E-07
4010	469722.31	3818454.62	1.50E-05	6.30E-05	5.67E-06	1.25E-05	4.63E-05	4.07E-06	1.42E-06	8.10E-06	9.67E-07	1.29E-06	4.24E-06	2.92E-07
4011	469731.2	3818451.1	1.51E-05	6.35E-05	5.72E-06	1.26E-05	4.66E-05	4.10E-06	1.43E-06	8.17E-06	9.75E-07	1.30E-06	4.28E-06	2.95E-07

4012	469740.09	3818447.58	1.52E-05	6.40E-05	5.76E-06	1.27E-05	4.70E-05	4.14E-06	1.44E-06	8.24E-06	9.83E-07	1.31E-06	4.31E-06	2.97E-07
4013	469748.97	3818444.06	1.54E-05	6.45E-05	5.81E-06	1.28E-05	4.74E-05	4.17E-06	1.45E-06	8.31E-06	9.91E-07	1.32E-06	4.35E-06	3.00E-07
4014	469757.86	3818440.54	1.55E-05	6.50E-05	5.86E-06	1.29E-05	4.78E-05	4.20E-06	1.46E-06	8.37E-06	9.99E-07	1.33E-06	4.38E-06	3.02E-07
4015	469828.96	3818412.38	1.64E-05	6.87E-05	6.19E-06	1.36E-05	5.05E-05	4.44E-06	1.55E-06	8.85E-06	1.06E-06	1.41E-06	4.63E-06	3.19E-07
4016	469837.84	3818408.86	1.64E-05	6.91E-05	6.22E-06	1.37E-05	5.07E-05	4.46E-06	1.55E-06	8.89E-06	1.06E-06	1.41E-06	4.65E-06	3.21E-07
4017	469846.73	3818405.34	1.65E-05	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.48E-06	1.56E-06	8.93E-06	1.07E-06	1.42E-06	4.67E-06	3.22E-07
4018	469855.62	3818401.82	1.66E-05	6.96E-05	6.27E-06	1.38E-05	5.12E-05	4.50E-06	1.57E-06	8.96E-06	1.07E-06	1.42E-06	4.69E-06	3.24E-07
4019	469864.5	3818398.31	1.66E-05	6.99E-05	6.29E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.00E-06	1.07E-06	1.43E-06	4.71E-06	3.25E-07
4020	469873.39	3818394.79	1.67E-05	7.01E-05	6.32E-06	1.39E-05	5.15E-05	4.53E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
4021	469882.28	3818391.27	1.68E-05	7.04E-05	6.34E-06	1.40E-05	5.17E-05	4.55E-06	1.58E-06	9.06E-06	1.08E-06	1.44E-06	4.74E-06	3.27E-07
4022	469891.16	3818387.75	1.68E-05	7.06E-05	6.35E-06	1.40E-05	5.19E-05	4.56E-06	1.59E-06	9.08E-06	1.08E-06	1.44E-06	4.76E-06	3.28E-07
4023	469900.05	3818384.23	1.69E-05	7.08E-05	6.37E-06	1.40E-05	5.20E-05	4.58E-06	1.59E-06	9.11E-06	1.09E-06	1.45E-06	4.77E-06	3.29E-07
4024	469908.94	3818380.71	1.69E-05	7.10E-05	6.40E-06	1.41E-05	5.22E-05	4.59E-06	1.60E-06	9.14E-06	1.09E-06	1.45E-06	4.79E-06	3.30E-07
4025	469917.82	3818377.19	1.70E-05	7.13E-05	6.42E-06	1.41E-05	5.24E-05	4.61E-06	1.60E-06	9.17E-06	1.09E-06	1.46E-06	4.80E-06	3.31E-07
4026	469926.71	3818373.67	1.70E-05	7.15E-05	6.44E-06	1.42E-05	5.26E-05	4.62E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
4027	469935.6	3818370.15	1.71E-05	7.18E-05	6.46E-06	1.42E-05	5.27E-05	4.64E-06	1.61E-06	9.24E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
4028	469944.48	3818366.63	1.72E-05	7.21E-05	6.49E-06	1.43E-05	5.30E-05	4.66E-06	1.62E-06	9.28E-06	1.11E-06	1.47E-06	4.86E-06	3.35E-07
4029	469953.37	3818363.11	1.72E-05	7.24E-05	6.52E-06	1.44E-05	5.32E-05	4.68E-06	1.63E-06	9.32E-06	1.11E-06	1.48E-06	4.88E-06	3.36E-07
4030	469962.26	3818359.59	1.73E-05	7.27E-05	6.55E-06	1.44E-05	5.34E-05	4.70E-06	1.63E-06	9.36E-06	1.12E-06	1.49E-06	4.90E-06	3.38E-07
4031	469971.14	3818356.07	1.74E-05	7.31E-05	6.58E-06	1.45E-05	5.37E-05	4.72E-06	1.64E-06	9.40E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
4032	469980.03	3818352.55	1.75E-05	7.35E-05	6.62E-06	1.46E-05	5.40E-05	4.75E-06	1.65E-06	9.46E-06	1.13E-06	1.50E-06	4.95E-06	3.41E-07
4033	469988.92	3818349.03	1.76E-05	7.39E-05	6.65E-06	1.46E-05	5.43E-05	4.77E-06	1.66E-06	9.51E-06	1.13E-06	1.51E-06	4.98E-06	3.43E-07
4034	469997.8	3818345.51	1.77E-05	7.43E-05	6.69E-06	1.47E-05	5.46E-05	4.80E-06	1.67E-06	9.56E-06	1.14E-06	1.52E-06	5.01E-06	3.45E-07
4035	470006.69	3818341.99	1.78E-05	7.47E-05	6.73E-06	1.48E-05	5.49E-05	4.83E-06	1.68E-06	9.62E-06	1.15E-06	1.53E-06	5.04E-06	3.47E-07
4036	470033.35	3818331.43	1.82E-05	7.63E-05	6.87E-06	1.51E-05	5.61E-05	4.93E-06	1.72E-06	9.82E-06	1.17E-06	1.56E-06	5.14E-06	3.54E-07
4037	470042.24	3818327.91	1.83E-05	7.68E-05	6.92E-06	1.52E-05	5.64E-05	4.96E-06	1.73E-06	9.88E-06	1.18E-06	1.57E-06	5.18E-06	3.57E-07
4038	470051.13	3818324.39	1.84E-05	7.72E-05	6.96E-06	1.53E-05	5.68E-05	4.99E-06	1.74E-06	9.94E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
4039	470060.01	3818320.87	1.85E-05	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.01E-06	1.74E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.60E-07
4040	470068.9	3818317.35	1.85E-05	7.79E-05	7.01E-06	1.54E-05	5.72E-05	5.03E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.25E-06	3.62E-07
4041	470077.79	3818313.83	1.86E-05	7.81E-05	7.03E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.26E-06	3.63E-07
4042	470086.67	3818310.31	1.86E-05	7.82E-05	7.04E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.27E-06	3.63E-07
4043	470095.56	3818306.79	1.86E-05	7.82E-05	7.04E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.27E-06	3.63E-07
4044	470104.45	3818303.27	1.86E-05	7.81E-05	7.03E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.26E-06	3.63E-07
4045	470113.33	3818299.75	1.85E-05	7.79E-05	7.01E-06	1.54E-05	5.72E-05	5.03E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.25E-06	3.62E-07
4046	469168.75	3819236.62	5.29E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.44E-06	4.99E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
4047	469168.56	3819246.27	5.37E-06	2.26E-05	2.03E-06	4.48E-06	1.66E-05	1.46E-06	5.07E-07	2.90E-06	3.47E-07	4.61E-07	1.52E-06	1.05E-07
4048	469168.37	3819255.92	5.46E-06	2.29E-05	2.06E-06	4.55E-06	1.68E-05	1.48E-06	5.16E-07	2.95E-06	3.52E-07	4.69E-07	1.55E-06	1.07E-07
4049	469168.17	3819265.56	5.55E-06	2.33E-05	2.10E-06	4.62E-06	1.71E-05	1.51E-06	5.24E-07	3.00E-06	3.58E-07	4.76E-07	1.57E-06	1.08E-07
4050	469167.98	3819275.21	5.63E-06	2.37E-05	2.13E-06	4.69E-06	1.74E-05	1.53E-06	5.32E-07	3.05E-06	3.63E-07	4.84E-07	1.59E-06	1.10E-07
4051	469167.79	3819284.86	5.72E-06	2.40E-05	2.16E-06	4.76E-06	1.77E-05	1.55E-06	5.40E-07	3.09E-06	3.69E-07	4.91E-07	1.62E-06	1.12E-07
4052	469167.59	3819294.51	5.81E-06	2.44E-05	2.20E-06	4.84E-06	1.79E-05	1.58E-06	5.49E-07	3.14E-06	3.75E-07	4.99E-07	1.64E-06	1.13E-07
4053	469167.4	3819304.16	5.90E-06	2.48E-05	2.23E-06	4.91E-06	1.82E-05	1.60E-06	5.57E-07	3.19E-06	3.80E-07	5.06E-07	1.67E-06	1.15E-07
4054	469167.21	3819313.8	5.98E-06	2.51E-05	2.26E-06	4.98E-06	1.85E-05	1.62E-06	5.65E-07	3.23E-06	3.86E-07	5.13E-07	1.69E-06	1.17E-07
4055	469167.01	3819323.45	6.07E-06	2.55E-05	2.29E-06	5.05E-06	1.87E-05	1.65E-06	5.73E-07	3.28E-06	3.91E-07	5.21E-07	1.72E-06	1.18E-07
4056	469166.82	3819333.1	6.15E-06	2.58E-05	2.33E-06	5.12E-06	1.90E-05	1.67E-06	5.81E-07	3.32E-06	3.97E-07	5.28E-07	1.74E-06	1.20E-07
4057	469166.63	3819342.75	6.23E-06	2.62E-05	2.36E-06	5.19E-06	1.92E-05	1.69E-06	5.88E-07	3.37E-06	4.02E-07	5.35E-07	1.76E-06	1.22E-07
4058	469166.43	3819352.4	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.99E-07	3.43E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
4059	469166.24	3819362.05	6.44E-06	2.70E-05	2.43E-06	5.36E-06	1.99E-05	1.75E-06	6.08E-07	3.48E-06	4.15E-07	5.53E-07	1.82E-06	1.26E-07
4060	469166.05	3819371.69	6.53E-06	2.74E-05	2.47E-06	5.44E-06	2.02E-05	1.77E-06	6.17E-07	3.53E-06	4.21E-07	5.61E-07	1.85E-06	1.27E-07
4061	469165.85	3819381.34	6.64E-06	2.79E-05	2.51E-06	5.53E-06	2.05E-05	1.80E-06	6.27E-07	3.59E-06	4.29E-07	5.70E-07	1.88E-06	1.30E-07
4062	469165.66	3819390.99	6.75E-06	2.84E-05	2.55E-06	5.63E-06	2.08E-05	1.83E-06	6.38E-07	3.65E-06	4.36E-07	5.80E-07	1.91E-06	1.32E-07
4063	469165.47	3819400.64	6.87E-06	2.89E-05	2.60E-06	5.73E-06	2.12E-05	1.87E-06	6.49E-07	3.72E-06	4.43E-07	5.90E-07	1.95E-06	1.34E-07
4064	469165.27	3819410.29	6.99E-06	2.94E-05	2.64E-06	5.82E-06	2.16E-05	1.90E-06	6.60E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
4065	469165.08	3819419.93	7.11E-06	2.98E-05	2.69E-06	5.92E-06	2.19E-05	1.93E-06	6.71E-07	3.84E-06	4.58E-07	6.10E-07	2.01E-06	1.39E-07
4066	469164.89	3819429.58	7.23E-06	3.03E-05	2.73E-06	6.02E-06	2.23E-05	1.96E-06	6.82E-07	3.91E-06	4.66E-07	6.20E-07	2.05E-06	1.41E-07
4067	469096.83	3819198.12	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.80E-07	3.72E-07	1.23E-06	8.46E-08
4068	469100.67	3819189.31	4.31E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.40E-08
4069	469104.51	3819180.51	4.28E-06	1.80E-05	1.62E-06	3.56E-06	1.32E-05	1.16E-06	4.04E-07	2.31E-06	2.76E-07	3.67E-07	1.21E-06	8.34E-08
4070	469108.35	3819171.71	4.25E-06	1.79E-05	1.61E-06	3.54E-06	1.31E-05	1.15E-06	4.02E-07	2.30E-06	2.74E-07	3.65E-07	1.20E-06	8.30E-08
4071	469112.19	3819162.9	4.23E-06	1.78E-05	1.60E-06	3.53E-06	1.31E-05	1.15E-06	4.00E-07	2.29E-06	2.73E-07	3.63E-07	1.20E-06	8.26E-08
4072	469116.03	3819154.1	4.21E-06	1.77E-05	1.59E-06	3.51E-06	1.30E-05	1.14E-06	3.98E-07	2.28E-06	2.72E-07	3.62E-07	1.19E-06	8.22E-08
4073	469119.87	3819145.3	4.19E-06	1.76E-05	1.59E-06	3.49E-06	1.29E-05	1.14E-06	3.96E-07	2.27E-06	2.71E-07	3.60E-07	1.19E-06	8.19E-08
4074	469123.71	3819136.49	4.18E-06	1.76E-05	1.58E-06	3.48E-06	1.29E-05	1.13E-06	3.95E-07	2.26E-06	2.70E-07	3.59E-07	1.18E-06	8.16E-08
4075	469127.54	3819127.69	4.18E-06	1.76E-05	1.58E-06	3.48E-06	1.29E-05	1.13E-06	3.95E-07	2.26E-06	2.70E-07	3.59E-07	1.18E-06	8.16E-08
4076	469131.38	3819118.89	4.18E-06	1.76E-05	1.58E-06	3.48E-06	1.29E-05	1.13E-06	3.95E-07	2.26E-06	2.70E-07	3.59E-07	1.18E-06	8.16E-08
4077	469135.22	3819110.09	4.19E-06	1.76E-05	1.58E-06	3.49E-06	1.29E-05	1.14E-06	3.95E-07	2.26E-06	2.70E-07	3.59E-07	1.18E-06	8.17E-08
4078	469139.06	3819101.28	4.19E-06	1.76E-05	1.58E-06	3.49E-06	1.29E-05	1.14E-06	3.96E-07	2.27E-06	2.70E-07	3.60E-07	1.19E-06	8.18E-08
4079	469142.9	3819092.48	4.20E-06	1.77E-05	1.59E-06	3.50E-06	1.30E-05	1.14E-06	3.97E-07	2.27E-06	2.71E-07	3.61E-07	1.19E-06	8.20E-08
4080	469146.74	3819083.68	4.22E-06	1.77E-05	1.60E-06	3.52E-06	1.30E-05	1.15E-06	3.99E-07	2.28E-06	2.72E-07	3.63E-07	1.20E-06	8.24E-08
4081	469150.58	3819074.87	4.25E-06	1.78E-05	1.61E-06	3.54E-06	1.31E-05	1.15E-06	4.01E-07	2.30E-06	2.74E-07	3.65E-07	1.20E-06	8.29E-08
4082	469154.42	3819066.07	4.28E-06	1.80E-05	1.62E-06	3.56E-06	1.32E-05	1.16E-06	4.04E-07	2.31E-06	2.76E-07	3.67E-07	1.21E-06	8.34E-08
4083	469158.26	3819057.27	4.31E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.40E-08
4084	469162.1	3819048.47	4.34E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.10E-07	2.35E-06	2.80E-07	3.72E-07	1.23E-06	8.47E-08

4085	469165.94	3819039.66	4.38E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.14E-07	2.37E-06	2.83E-07	3.76E-07	1.24E-06	8.55E-08
4086	469169.77	3819030.86	4.43E-06	1.86E-05	1.67E-06	3.69E-06	1.37E-05	1.20E-06	4.18E-07	2.39E-06	2.85E-07	3.80E-07	1.25E-06	8.64E-08
4087	469173.61	3819022.06	4.47E-06	1.88E-05	1.69E-06	3.73E-06	1.38E-05	1.21E-06	4.22E-07	2.42E-06	2.89E-07	3.84E-07	1.27E-06	8.73E-08
4088	469177.45	3819013.25	4.52E-06	1.90E-05	1.71E-06	3.77E-06	1.40E-05	1.23E-06	4.27E-07	2.44E-06	2.92E-07	3.88E-07	1.28E-06	8.82E-08
4089	469181.29	3819004.45	4.58E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.48E-06	2.95E-07	3.93E-07	1.30E-06	8.94E-08
4090	469185.13	3818995.65	4.64E-06	1.95E-05	1.76E-06	3.87E-06	1.43E-05	1.26E-06	4.38E-07	2.51E-06	2.99E-07	3.99E-07	1.31E-06	9.06E-08
4091	469188.97	3818986.85	4.70E-06	1.98E-05	1.78E-06	3.92E-06	1.45E-05	1.28E-06	4.44E-07	2.54E-06	3.03E-07	4.04E-07	1.33E-06	9.18E-08
4092	469192.81	3818978.04	4.77E-06	2.00E-05	1.80E-06	3.97E-06	1.47E-05	1.29E-06	4.50E-07	2.58E-06	3.07E-07	4.09E-07	1.35E-06	9.30E-08
4093	469196.65	3818969.24	4.84E-06	2.03E-05	1.83E-06	4.03E-06	1.49E-05	1.31E-06	4.57E-07	2.62E-06	3.12E-07	4.15E-07	1.37E-06	9.44E-08
4094	469200.49	3818960.44	4.92E-06	2.06E-05	1.86E-06	4.10E-06	1.52E-05	1.33E-06	4.64E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.59E-08
4095	469204.33	3818951.63	4.99E-06	2.10E-05	1.89E-06	4.16E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.22E-07	4.29E-07	1.41E-06	9.74E-08
4096	469208.16	3818942.83	5.08E-06	2.13E-05	1.92E-06	4.23E-06	1.57E-05	1.38E-06	4.79E-07	2.74E-06	3.27E-07	4.36E-07	1.44E-06	9.90E-08
4097	469212	3818934.03	5.15E-06	2.16E-05	1.95E-06	4.29E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.32E-07	4.42E-07	1.46E-06	1.01E-07
4098	469215.84	3818925.23	5.24E-06	2.20E-05	1.98E-06	4.36E-06	1.62E-05	1.42E-06	4.95E-07	2.83E-06	3.38E-07	4.50E-07	1.48E-06	1.02E-07
4099	469219.68	3818916.42	5.33E-06	2.24E-05	2.02E-06	4.44E-06	1.65E-05	1.45E-06	5.04E-07	2.88E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
4100	469223.52	3818907.62	5.44E-06	2.28E-05	2.06E-06	4.53E-06	1.68E-05	1.48E-06	5.13E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
4101	469227.36	3818898.82	5.54E-06	2.33E-05	2.10E-06	4.62E-06	1.71E-05	1.50E-06	5.23E-07	3.00E-06	3.57E-07	4.76E-07	1.57E-06	1.08E-07
4102	469231.2	3818890.01	5.65E-06	2.37E-05	2.14E-06	4.70E-06	1.74E-05	1.53E-06	5.33E-07	3.05E-06	3.64E-07	4.85E-07	1.60E-06	1.10E-07
4103	469235.04	3818881.21	5.76E-06	2.42E-05	2.18E-06	4.80E-06	1.78E-05	1.56E-06	5.44E-07	3.11E-06	3.71E-07	4.94E-07	1.63E-06	1.12E-07
4104	469238.88	3818872.41	5.87E-06	2.46E-05	2.22E-06	4.89E-06	1.81E-05	1.59E-06	5.54E-07	3.17E-06	3.79E-07	5.04E-07	1.66E-06	1.15E-07
4105	469242.72	3818863.61	5.98E-06	2.51E-05	2.26E-06	4.98E-06	1.85E-05	1.62E-06	5.65E-07	3.24E-06	3.86E-07	5.14E-07	1.69E-06	1.17E-07
4106	469246.55	3818854.8	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.65E-06	5.76E-07	3.29E-06	3.93E-07	5.23E-07	1.73E-06	1.19E-07
4107	469250.39	3818846	6.21E-06	2.61E-05	2.35E-06	5.17E-06	1.92E-05	1.69E-06	5.86E-07	3.36E-06	4.01E-07	5.33E-07	1.76E-06	1.21E-07
4108	469254.23	3818837.2	6.33E-06	2.66E-05	2.39E-06	5.27E-06	1.95E-05	1.72E-06	5.97E-07	3.42E-06	4.08E-07	5.43E-07	1.79E-06	1.23E-07
4109	469277.27	3818784.38	6.99E-06	2.94E-05	2.64E-06	5.82E-06	2.16E-05	1.90E-06	6.60E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
4110	469281.11	3818775.58	7.09E-06	2.98E-05	2.68E-06	5.91E-06	2.19E-05	1.92E-06	6.70E-07	3.83E-06	4.57E-07	6.09E-07	2.01E-06	1.38E-07
4111	469284.95	3818766.77	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.04E-06	1.40E-07
4112	469288.78	3818757.97	7.29E-06	3.06E-05	2.76E-06	6.07E-06	2.25E-05	1.98E-06	6.88E-07	3.94E-06	4.70E-07	6.26E-07	2.06E-06	1.42E-07
4113	469292.62	3818749.17	7.38E-06	3.10E-05	2.79E-06	6.15E-06	2.28E-05	2.00E-06	6.97E-07	3.99E-06	4.76E-07	6.33E-07	2.09E-06	1.44E-07
4114	469296.46	3818740.36	7.47E-06	3.14E-05	2.82E-06	6.22E-06	2.30E-05	2.03E-06	7.05E-07	4.04E-06	4.82E-07	6.41E-07	2.11E-06	1.46E-07
4115	469300.3	3818731.56	7.55E-06	3.17E-05	2.85E-06	6.29E-06	2.33E-05	2.05E-06	7.13E-07	4.08E-06	4.87E-07	6.48E-07	2.14E-06	1.47E-07
4116	469304.14	3818722.76	7.62E-06	3.20E-05	2.88E-06	6.35E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.92E-07	6.55E-07	2.16E-06	1.49E-07
4117	469307.98	3818713.96	7.69E-06	3.23E-05	2.91E-06	6.41E-06	2.37E-05	2.09E-06	7.26E-07	4.16E-06	4.96E-07	6.60E-07	2.18E-06	1.50E-07
4118	469311.82	3818705.15	7.76E-06	3.26E-05	2.94E-06	6.47E-06	2.40E-05	2.11E-06	7.33E-07	4.20E-06	5.01E-07	6.67E-07	2.20E-06	1.52E-07
4119	469315.66	3818696.35	7.83E-06	3.29E-05	2.96E-06	6.52E-06	2.42E-05	2.12E-06	7.39E-07	4.23E-06	5.05E-07	6.72E-07	2.22E-06	1.53E-07
4120	469319.5	3818687.55	7.88E-06	3.31E-05	2.98E-06	6.57E-06	2.43E-05	2.14E-06	7.45E-07	4.26E-06	5.09E-07	6.77E-07	2.23E-06	1.54E-07
4121	469323.34	3818678.74	7.94E-06	3.34E-05	3.00E-06	6.62E-06	2.45E-05	2.16E-06	7.50E-07	4.29E-06	5.12E-07	6.82E-07	2.25E-06	1.55E-07
4122	469327.17	3818669.94	8.00E-06	3.36E-05	3.02E-06	6.66E-06	2.47E-05	2.17E-06	7.55E-07	4.32E-06	5.16E-07	6.86E-07	2.26E-06	1.56E-07
4123	469331.01	3818661.14	8.04E-06	3.38E-05	3.04E-06	6.70E-06	2.48E-05	2.18E-06	7.60E-07	4.35E-06	5.19E-07	6.90E-07	2.28E-06	1.57E-07
4124	469334.85	3818652.34	8.09E-06	3.40E-05	3.06E-06	6.74E-06	2.50E-05	2.20E-06	7.64E-07	4.37E-06	5.22E-07	6.95E-07	2.29E-06	1.58E-07
4125	469338.69	3818643.53	8.14E-06	3.42E-05	3.08E-06	6.78E-06	2.51E-05	2.21E-06	7.69E-07	4.40E-06	5.25E-07	6.99E-07	2.30E-06	1.59E-07
4126	469342.53	3818634.73	8.18E-06	3.44E-05	3.09E-06	6.82E-06	2.53E-05	2.22E-06	7.73E-07	4.42E-06	5.28E-07	7.02E-07	2.32E-06	1.60E-07
4127	469346.37	3818625.93	8.23E-06	3.45E-05	3.11E-06	6.85E-06	2.54E-05	2.23E-06	7.77E-07	4.45E-06	5.31E-07	7.06E-07	2.33E-06	1.61E-07
4128	469350.21	3818617.12	8.26E-06	3.47E-05	3.13E-06	6.88E-06	2.55E-05	2.24E-06	7.80E-07	4.47E-06	5.33E-07	7.09E-07	2.34E-06	1.61E-07
4129	469354.05	3818608.32	8.30E-06	3.49E-05	3.14E-06	6.92E-06	2.56E-05	2.25E-06	7.84E-07	4.49E-06	5.36E-07	7.13E-07	2.35E-06	1.62E-07
4130	469357.89	3818599.52	8.35E-06	3.51E-05	3.16E-06	6.95E-06	2.58E-05	2.27E-06	7.88E-07	4.51E-06	5.38E-07	7.17E-07	2.36E-06	1.63E-07
4131	469361.73	3818590.72	8.38E-06	3.52E-05	3.17E-06	6.98E-06	2.59E-05	2.28E-06	7.92E-07	4.53E-06	5.41E-07	7.20E-07	2.37E-06	1.64E-07
4132	469365.56	3818581.91	8.41E-06	3.53E-05	3.18E-06	7.01E-06	2.60E-05	2.28E-06	7.95E-07	4.55E-06	5.43E-07	7.22E-07	2.38E-06	1.64E-07
4133	469369.4	3818573.11	8.44E-06	3.55E-05	3.19E-06	7.03E-06	2.61E-05	2.29E-06	7.97E-07	4.56E-06	5.45E-07	7.25E-07	2.39E-06	1.65E-07
4134	469373.24	3818564.31	8.48E-06	3.56E-05	3.21E-06	7.06E-06	2.62E-05	2.30E-06	8.00E-07	4.58E-06	5.47E-07	7.28E-07	2.40E-06	1.65E-07
4135	469377.08	3818555.5	8.52E-06	3.58E-05	3.22E-06	7.10E-06	2.63E-05	2.31E-06	8.05E-07	4.61E-06	5.50E-07	7.31E-07	2.41E-06	1.66E-07
4136	469380.92	3818546.7	8.56E-06	3.60E-05	3.24E-06	7.13E-06	2.64E-05	2.32E-06	8.09E-07	4.63E-06	5.52E-07	7.35E-07	2.42E-06	1.67E-07
4137	469384.76	3818537.9	8.61E-06	3.61E-05	3.25E-06	7.17E-06	2.66E-05	2.34E-06	8.13E-07	4.65E-06	5.55E-07	7.39E-07	2.44E-06	1.68E-07
4138	469388.6	3818529.09	8.64E-06	3.63E-05	3.27E-06	7.20E-06	2.67E-05	2.35E-06	8.16E-07	4.67E-06	5.58E-07	7.42E-07	2.45E-06	1.69E-07
4139	469392.44	3818520.29	8.68E-06	3.64E-05	3.28E-06	7.23E-06	2.68E-05	2.36E-06	8.20E-07	4.69E-06	5.60E-07	7.45E-07	2.46E-06	1.69E-07
4140	469396.28	3818511.49	8.71E-06	3.66E-05	3.29E-06	7.26E-06	2.69E-05	2.36E-06	8.23E-07	4.71E-06	5.62E-07	7.48E-07	2.47E-06	1.70E-07
4141	469409.05	3818499.15	8.93E-06	3.75E-05	3.38E-06	7.44E-06	2.76E-05	2.42E-06	8.43E-07	4.83E-06	5.76E-07	7.66E-07	2.53E-06	1.74E-07
4142	469417.97	3818495.61	9.10E-06	3.82E-05	3.44E-06	7.58E-06	2.81E-05	2.47E-06	8.59E-07	4.92E-06	5.87E-07	7.81E-07	2.57E-06	1.78E-07
4143	469426.9	3818492.08	9.26E-06	3.89E-05	3.50E-06	7.71E-06	2.86E-05	2.51E-06	8.74E-07	5.00E-06	5.97E-07	7.95E-07	2.62E-06	1.81E-07
4144	469435.83	3818488.54	9.41E-06	3.95E-05	3.56E-06	7.84E-06	2.91E-05	2.56E-06	8.89E-07	5.09E-06	6.07E-07	8.08E-07	2.66E-06	1.84E-07
4145	469444.76	3818485	9.57E-06	4.02E-05	3.62E-06	7.97E-06	2.95E-05	2.60E-06	9.04E-07	5.18E-06	6.17E-07	8.22E-07	2.71E-06	1.87E-07
4146	469453.69	3818481.47	9.74E-06	4.09E-05	3.68E-06	8.11E-06	3.00E-05	2.64E-06	9.19E-07	5.26E-06	6.28E-07	8.36E-07	2.76E-06	1.90E-07
4147	469462.62	3818477.93	9.90E-06	4.16E-05	3.74E-06	8.25E-06	3.06E-05	2.69E-06	9.35E-07	5.35E-06	6.39E-07	8.50E-07	2.80E-06	1.93E-07
4148	469471.55	3818474.4	1.01E-05	4.22E-05	3.80E-06	8.38E-06	3.10E-05	2.73E-06	9.50E-07	5.44E-06	6.49E-07	8.64E-07	2.85E-06	1.96E-07
4149	469480.48	3818470.86	1.02E-05	4.29E-05	3.86E-06	8.51E-06	3.15E-05	2.77E-06	9.65E-07	5.52E-06	6.59E-07	8.77E-07	2.89E-06	1.99E-07
4150	469507.26	3818460.25	1.06E-05	4.47E-05	4.02E-06	8.86E-06	3.28E-05	2.89E-06	1.00E-06	5.75E-06	6.86E-07	9.13E-07	3.01E-06	2.08E-07
4151	469516.19	3818456.71	1.08E-05	4.52E-05	4.07E-06	8.97E-06	3.32E-05	2.92E-06	1.02E-06	5.82E-06	6.95E-07	9.25E-07	3.05E-06	2.10E-07
4152	469525.12	3818453.18	1.09E-05	4.58E-05	4.12E-06	9.08E-06	3.36E-05	2.96E-06	1.03E-06	5.89E-06	7.03E-07	9.35E-07	3.08E-06	2.13E-07
4153	469534.05	3818449.64	1.10E-05	4.62E-05	4.16E-06	9.17E-06	3.40E-05	2.99E-06	1.04E-06	5.95E-06	7.10E-07	9.45E-07	3.12E-06	2.15E-07
4154	469542.98	3818446.1	1.11E-05	4.67E-05	4.21E-06	9.27E-06	3.43E-05	3.02E-06	1.05E-06	6.02E-06	7.18E-07	9.55E-07	3.15E-06	2.17E-07
4155	469551.91	3818442.57	1.12E-05	4.72E-05	4.25E-06	9.36E-06	3.47E-05	3.05E-06	1.06E-06	6.07E-06	7.25E-07	9.64E-07	3.18E-06	2.19E-07
4156	469560.83	3818439.03	1.13E-05	4.76E-05	4.29E-06	9.44E-06	3.50E-05	3.08E-06	1.07E-06	6.13E-06	7.31E-07	9.73E-07	3.21E-06	2.21E-07
4157	469569.76	3818435.5	1.14E-05	4.80E-05	4.33E-06	9.53E-06	3.53E-05	3.11E-06	1.08E-06	6.18E-06	7.38E-07	9.82E-07	3.24E-06	2.23E-07

4158	469659.05	3818400.13	1.25E-05	5.23E-05	4.71E-06	1.04E-05	3.85E-05	3.38E-06	1.18E-06	6.74E-06	8.04E-07	1.07E-06	3.53E-06	2.43E-07
4159	469667.98	3818396.6	1.26E-05	5.28E-05	4.75E-06	1.05E-05	3.88E-05	3.41E-06	1.19E-06	6.80E-06	8.11E-07	1.08E-06	3.56E-06	2.45E-07
4160	469676.91	3818393.06	1.27E-05	5.32E-05	4.79E-06	1.06E-05	3.91E-05	3.44E-06	1.20E-06	6.85E-06	8.17E-07	1.09E-06	3.59E-06	2.47E-07
4161	469712.62	3818378.91	1.31E-05	5.50E-05	4.95E-06	1.09E-05	4.04E-05	3.55E-06	1.24E-06	7.07E-06	8.44E-07	1.12E-06	3.70E-06	2.55E-07
4162	469721.55	3818375.38	1.32E-05	5.54E-05	4.99E-06	1.10E-05	4.07E-05	3.58E-06	1.25E-06	7.13E-06	8.51E-07	1.13E-06	3.73E-06	2.57E-07
4163	469730.48	3818371.84	1.33E-05	5.59E-05	5.03E-06	1.11E-05	4.10E-05	3.61E-06	1.26E-06	7.19E-06	8.58E-07	1.14E-06	3.77E-06	2.60E-07
4164	469739.41	3818368.3	1.34E-05	5.63E-05	5.07E-06	1.12E-05	4.14E-05	3.64E-06	1.27E-06	7.25E-06	8.64E-07	1.15E-06	3.79E-06	2.62E-07
4165	469748.34	3818364.77	1.35E-05	5.67E-05	5.11E-06	1.12E-05	4.17E-05	3.66E-06	1.27E-06	7.30E-06	8.71E-07	1.16E-06	3.82E-06	2.63E-07
4166	469757.27	3818361.23	1.36E-05	5.71E-05	5.14E-06	1.13E-05	4.20E-05	3.69E-06	1.28E-06	7.35E-06	8.77E-07	1.17E-06	3.85E-06	2.65E-07
4167	469766.2	3818357.7	1.37E-05	5.75E-05	5.18E-06	1.14E-05	4.22E-05	3.72E-06	1.29E-06	7.40E-06	8.83E-07	1.18E-06	3.88E-06	2.67E-07
4168	469775.13	3818354.16	1.38E-05	5.79E-05	5.21E-06	1.15E-05	4.25E-05	3.74E-06	1.30E-06	7.45E-06	8.89E-07	1.18E-06	3.90E-06	2.69E-07
4169	469784.05	3818350.62	1.39E-05	5.82E-05	5.25E-06	1.16E-05	4.28E-05	3.76E-06	1.31E-06	7.50E-06	8.95E-07	1.19E-06	3.93E-06	2.71E-07
4170	469792.98	3818347.09	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.32E-06	7.54E-06	8.99E-07	1.20E-06	3.95E-06	2.72E-07
4171	469801.91	3818343.55	1.40E-05	5.88E-05	5.30E-06	1.17E-05	4.32E-05	3.80E-06	1.32E-06	7.58E-06	9.04E-07	1.20E-06	3.97E-06	2.73E-07
4172	469810.84	3818340.01	1.41E-05	5.92E-05	5.33E-06	1.17E-05	4.35E-05	3.82E-06	1.33E-06	7.61E-06	9.09E-07	1.21E-06	3.99E-06	2.75E-07
4173	469819.77	3818336.48	1.41E-05	5.94E-05	5.35E-06	1.18E-05	4.37E-05	3.84E-06	1.34E-06	7.65E-06	9.13E-07	1.21E-06	4.00E-06	2.76E-07
4174	469828.7	3818332.94	1.42E-05	5.96E-05	5.37E-06	1.18E-05	4.38E-05	3.85E-06	1.34E-06	7.68E-06	9.16E-07	1.22E-06	4.02E-06	2.77E-07
4175	469837.63	3818329.4	1.43E-05	5.99E-05	5.39E-06	1.19E-05	4.40E-05	3.87E-06	1.35E-06	7.71E-06	9.19E-07	1.22E-06	4.03E-06	2.78E-07
4176	469846.56	3818325.87	1.43E-05	6.01E-05	5.41E-06	1.19E-05	4.41E-05	3.88E-06	1.35E-06	7.73E-06	9.22E-07	1.23E-06	4.05E-06	2.79E-07
4177	469855.48	3818322.33	1.43E-05	6.02E-05	5.42E-06	1.19E-05	4.43E-05	3.89E-06	1.35E-06	7.75E-06	9.25E-07	1.23E-06	4.06E-06	2.80E-07
4178	469864.41	3818318.8	1.44E-05	6.04E-05	5.44E-06	1.20E-05	4.44E-05	3.90E-06	1.36E-06	7.77E-06	9.27E-07	1.23E-06	4.07E-06	2.81E-07
4179	469873.34	3818315.26	1.44E-05	6.05E-05	5.45E-06	1.20E-05	4.45E-05	3.91E-06	1.36E-06	7.79E-06	9.30E-07	1.24E-06	4.08E-06	2.81E-07
4180	469882.27	3818311.72	1.44E-05	6.07E-05	5.46E-06	1.20E-05	4.46E-05	3.92E-06	1.36E-06	7.81E-06	9.32E-07	1.24E-06	4.09E-06	2.82E-07
4181	469891.2	3818308.19	1.45E-05	6.08E-05	5.48E-06	1.21E-05	4.47E-05	3.93E-06	1.37E-06	7.83E-06	9.34E-07	1.24E-06	4.10E-06	2.83E-07
4182	469900.13	3818304.65	1.45E-05	6.10E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.85E-06	9.36E-07	1.25E-06	4.11E-06	2.83E-07
4183	469909.06	3818301.11	1.46E-05	6.12E-05	5.51E-06	1.21E-05	4.49E-05	3.95E-06	1.38E-06	7.87E-06	9.39E-07	1.25E-06	4.12E-06	2.84E-07
4184	469917.99	3818297.58	1.46E-05	6.14E-05	5.53E-06	1.22E-05	4.51E-05	3.97E-06	1.38E-06	7.91E-06	9.43E-07	1.26E-06	4.14E-06	2.85E-07
4185	469926.92	3818294.04	1.47E-05	6.17E-05	5.56E-06	1.22E-05	4.54E-05	3.99E-06	1.39E-06	7.94E-06	9.48E-07	1.26E-06	4.16E-06	2.87E-07
4186	469935.84	3818290.51	1.48E-05	6.20E-05	5.58E-06	1.23E-05	4.56E-05	4.01E-06	1.39E-06	7.98E-06	9.52E-07	1.27E-06	4.18E-06	2.88E-07
4187	469944.77	3818286.97	1.48E-05	6.23E-05	5.61E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.02E-06	9.57E-07	1.27E-06	4.20E-06	2.89E-07
4188	469953.7	3818283.43	1.49E-05	6.26E-05	5.63E-06	1.24E-05	4.60E-05	4.04E-06	1.41E-06	8.05E-06	9.61E-07	1.28E-06	4.22E-06	2.91E-07
4189	469962.63	3818279.9	1.50E-05	6.29E-05	5.66E-06	1.25E-05	4.62E-05	4.07E-06	1.41E-06	8.10E-06	9.66E-07	1.29E-06	4.24E-06	2.92E-07
4190	469971.56	3818276.36	1.51E-05	6.33E-05	5.70E-06	1.25E-05	4.65E-05	4.09E-06	1.42E-06	8.14E-06	9.72E-07	1.29E-06	4.26E-06	2.94E-07
4191	469980.49	3818272.82	1.51E-05	6.36E-05	5.73E-06	1.26E-05	4.67E-05	4.11E-06	1.43E-06	8.19E-06	9.77E-07	1.30E-06	4.29E-06	2.96E-07
4192	469989.42	3818269.29	1.52E-05	6.40E-05	5.76E-06	1.27E-05	4.70E-05	4.14E-06	1.44E-06	8.24E-06	9.83E-07	1.31E-06	4.31E-06	2.97E-07
4193	469998.35	3818265.75	1.54E-05	6.45E-05	5.81E-06	1.28E-05	4.74E-05	4.17E-06	1.45E-06	8.31E-06	9.91E-07	1.32E-06	4.35E-06	3.00E-07
4194	470007.27	3818262.21	1.55E-05	6.50E-05	5.86E-06	1.29E-05	4.78E-05	4.20E-06	1.46E-06	8.37E-06	9.99E-07	1.33E-06	4.38E-06	3.02E-07
4195	470034.06	3818251.61	1.58E-05	6.64E-05	5.98E-06	1.32E-05	4.88E-05	4.29E-06	1.49E-06	8.55E-06	1.02E-06	1.36E-06	4.47E-06	3.08E-07
4196	470042.99	3818248.07	1.59E-05	6.68E-05	6.01E-06	1.32E-05	4.91E-05	4.32E-06	1.50E-06	8.59E-06	1.03E-06	1.36E-06	4.50E-06	3.10E-07
4197	470051.92	3818244.53	1.60E-05	6.71E-05	6.04E-06	1.33E-05	4.93E-05	4.34E-06	1.51E-06	8.64E-06	1.03E-06	1.37E-06	4.52E-06	3.12E-07
4198	470060.85	3818241	1.60E-05	6.74E-05	6.07E-06	1.34E-05	4.95E-05	4.36E-06	1.52E-06	8.68E-06	1.04E-06	1.38E-06	4.54E-06	3.13E-07
4199	470069.78	3818237.46	1.61E-05	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
4200	470078.7	3818233.92	1.61E-05	6.77E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.71E-06	1.04E-06	1.38E-06	4.56E-06	3.14E-07
4201	470087.63	3818230.39	1.61E-05	6.77E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.71E-06	1.04E-06	1.38E-06	4.56E-06	3.14E-07
4202	470096.56	3818226.85	1.61E-05	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
4203	470105.49	3818223.31	1.60E-05	6.74E-05	6.07E-06	1.34E-05	4.95E-05	4.36E-06	1.52E-06	8.68E-06	1.04E-06	1.38E-06	4.54E-06	3.13E-07
4204	470114.42	3818219.78	1.60E-05	6.71E-05	6.05E-06	1.33E-05	4.93E-05	4.34E-06	1.51E-06	8.64E-06	1.03E-06	1.37E-06	4.52E-06	3.12E-07
4205	469078.55	3819055.02	3.64E-06	1.53E-05	1.38E-06	3.03E-06	1.12E-05	9.87E-07	3.43E-07	1.97E-06	2.35E-07	3.12E-07	1.03E-06	7.10E-08
4206	469082.41	3819046.19	3.65E-06	1.53E-05	1.38E-06	3.04E-06	1.13E-05	9.91E-07	3.45E-07	1.97E-06	2.36E-07	3.13E-07	1.03E-06	7.12E-08
4207	469086.26	3819037.35	3.68E-06	1.55E-05	1.39E-06	3.07E-06	1.14E-05	9.99E-07	3.48E-07	1.99E-06	2.37E-07	3.16E-07	1.04E-06	7.18E-08
4208	469090.12	3819028.51	3.70E-06	1.56E-05	1.40E-06	3.09E-06	1.14E-05	1.01E-06	3.50E-07	2.00E-06	2.39E-07	3.18E-07	1.05E-06	7.23E-08
4209	469093.97	3819019.67	3.74E-06	1.57E-05	1.42E-06	3.12E-06	1.15E-05	1.02E-06	3.53E-07	2.02E-06	2.41E-07	3.21E-07	1.06E-06	7.30E-08
4210	469097.83	3819010.83	3.78E-06	1.59E-05	1.43E-06	3.15E-06	1.17E-05	1.03E-06	3.57E-07	2.04E-06	2.44E-07	3.24E-07	1.07E-06	7.37E-08
4211	469101.68	3819001.99	3.81E-06	1.60E-05	1.44E-06	3.18E-06	1.18E-05	1.04E-06	3.60E-07	2.06E-06	2.46E-07	3.27E-07	1.08E-06	7.44E-08
4212	469105.54	3818993.15	3.85E-06	1.62E-05	1.46E-06	3.21E-06	1.19E-05	1.05E-06	3.64E-07	2.08E-06	2.49E-07	3.31E-07	1.09E-06	7.52E-08
4213	469109.39	3818984.32	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.59E-08
4214	469113.24	3818975.48	3.94E-06	1.65E-05	1.49E-06	3.28E-06	1.22E-05	1.07E-06	3.72E-07	2.13E-06	2.54E-07	3.38E-07	1.12E-06	7.69E-08
4215	469117.1	3818966.64	3.99E-06	1.68E-05	1.51E-06	3.33E-06	1.23E-05	1.08E-06	3.77E-07	2.16E-06	2.58E-07	3.43E-07	1.13E-06	7.79E-08
4216	469120.95	3818957.8	4.05E-06	1.70E-05	1.53E-06	3.37E-06	1.25E-05	1.10E-06	3.82E-07	2.19E-06	2.61E-07	3.47E-07	1.15E-06	7.89E-08
4217	469124.81	3818948.96	4.10E-06	1.72E-05	1.55E-06	3.42E-06	1.27E-05	1.11E-06	3.87E-07	2.22E-06	2.65E-07	3.52E-07	1.16E-06	8.01E-08
4218	469128.66	3818940.12	4.16E-06	1.75E-05	1.57E-06	3.47E-06	1.28E-05	1.13E-06	3.93E-07	2.25E-06	2.68E-07	3.57E-07	1.18E-06	8.12E-08
4219	469132.52	3818931.28	4.23E-06	1.78E-05	1.60E-06	3.52E-06	1.30E-05	1.15E-06	3.99E-07	2.29E-06	2.73E-07	3.63E-07	1.20E-06	8.25E-08
4220	469136.37	3818922.45	4.30E-06	1.80E-05	1.62E-06	3.58E-06	1.33E-05	1.17E-06	4.06E-07	2.32E-06	2.77E-07	3.69E-07	1.22E-06	8.38E-08
4221	469140.23	3818913.61	4.37E-06	1.83E-05	1.65E-06	3.64E-06	1.35E-05	1.19E-06	4.12E-07	2.36E-06	2.82E-07	3.75E-07	1.24E-06	8.52E-08
4222	469144.08	3818904.77	4.44E-06	1.86E-05	1.68E-06	3.70E-06	1.37E-05	1.21E-06	4.19E-07	2.40E-06	2.86E-07	3.81E-07	1.26E-06	8.66E-08
4223	469147.94	3818895.93	4.52E-06	1.90E-05	1.71E-06	3.76E-06	1.39E-05	1.23E-06	4.27E-07	2.44E-06	2.91E-07	3.88E-07	1.28E-06	8.81E-08
4224	469151.79	3818887.09	4.59E-06	1.93E-05	1.74E-06	3.82E-06	1.42E-05	1.25E-06	4.33E-07	2.48E-06	2.96E-07	3.94E-07	1.30E-06	8.95E-08
4225	469155.65	3818878.25	4.67E-06	1.96E-05	1.76E-06	3.89E-06	1.44E-05	1.27E-06	4.41E-07	2.52E-06	3.01E-07	4.01E-07	1.32E-06	9.10E-08
4226	469159.5	3818869.41	4.75E-06	1.99E-05	1.80E-06	3.95E-06	1.47E-05	1.29E-06	4.48E-07	2.57E-06	3.06E-07	4.08E-07	1.34E-06	9.26E-08
4227	469163.35	3818860.58	4.83E-06	2.03E-05	1.83E-06	4.03E-06	1.49E-05	1.31E-06	4.57E-07	2.61E-06	3.12E-07	4.15E-07	1.37E-06	9.43E-08
4228	469167.21	3818851.74	4.93E-06	2.07E-05	1.86E-06	4.10E-06	1.52E-05	1.34E-06	4.65E-07	2.66E-06	3.18E-07	4.23E-07	1.39E-06	9.61E-08
4229	469171.06	3818842.9	5.02E-06	2.11E-05	1.90E-06	4.18E-06	1.55E-05	1.36E-06	4.74E-07	2.72E-06	3.24E-07	4.31E-07	1.42E-06	9.80E-08
4230	469174.92	3818834.06	5.12E-06	2.15E-05	1.94E-06	4.26E-06	1.58E-05	1.39E-06	4.83E-07	2.77E-06	3.30E-07	4.39E-07	1.45E-06	9.99E-08

4231	469178.77	3818825.22	5.21E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.42E-06	4.92E-07	2.82E-06	3.36E-07	4.48E-07	1.48E-06	1.02E-07
4232	469182.63	3818816.38	5.31E-06	2.23E-05	2.01E-06	4.42E-06	1.64E-05	1.44E-06	5.02E-07	2.87E-06	3.43E-07	4.56E-07	1.50E-06	1.04E-07
4233	469186.48	3818807.54	5.41E-06	2.27E-05	2.05E-06	4.51E-06	1.67E-05	1.47E-06	5.11E-07	2.93E-06	3.49E-07	4.65E-07	1.53E-06	1.06E-07
4234	469190.34	3818798.7	5.51E-06	2.32E-05	2.08E-06	4.59E-06	1.70E-05	1.50E-06	5.21E-07	2.98E-06	3.56E-07	4.73E-07	1.56E-06	1.08E-07
4235	469194.19	3818789.87	5.61E-06	2.36E-05	2.12E-06	4.67E-06	1.73E-05	1.52E-06	5.30E-07	3.03E-06	3.62E-07	4.82E-07	1.59E-06	1.09E-07
4236	469198.05	3818781.03	5.71E-06	2.40E-05	2.16E-06	4.75E-06	1.76E-05	1.55E-06	5.39E-07	3.08E-06	3.68E-07	4.90E-07	1.61E-06	1.11E-07
4237	469201.9	3818772.19	5.80E-06	2.44E-05	2.19E-06	4.83E-06	1.79E-05	1.57E-06	5.48E-07	3.14E-06	3.74E-07	4.98E-07	1.64E-06	1.13E-07
4238	469205.76	3818763.35	5.89E-06	2.47E-05	2.23E-06	4.91E-06	1.82E-05	1.60E-06	5.56E-07	3.19E-06	3.80E-07	5.06E-07	1.67E-06	1.15E-07
4239	469209.61	3818754.51	5.98E-06	2.51E-05	2.26E-06	4.98E-06	1.85E-05	1.62E-06	5.65E-07	3.24E-06	3.86E-07	5.14E-07	1.69E-06	1.17E-07
4240	469213.46	3818745.67	6.08E-06	2.55E-05	2.30E-06	5.06E-06	1.87E-05	1.65E-06	5.74E-07	3.28E-06	3.92E-07	5.22E-07	1.72E-06	1.19E-07
4241	469217.32	3818736.83	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.82E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
4242	469221.17	3818728	6.25E-06	2.62E-05	2.36E-06	5.21E-06	1.93E-05	1.70E-06	5.90E-07	3.38E-06	4.03E-07	5.36E-07	1.77E-06	1.22E-07
4243	469225.03	3818719.16	6.33E-06	2.66E-05	2.39E-06	5.27E-06	1.95E-05	1.72E-06	5.97E-07	3.42E-06	4.08E-07	5.43E-07	1.79E-06	1.23E-07
4244	469228.88	3818710.32	6.41E-06	2.69E-05	2.42E-06	5.34E-06	1.98E-05	1.74E-06	6.05E-07	3.46E-06	4.13E-07	5.50E-07	1.81E-06	1.25E-07
4245	469232.74	3818701.48	6.48E-06	2.72E-05	2.45E-06	5.40E-06	2.00E-05	1.76E-06	6.12E-07	3.50E-06	4.18E-07	5.56E-07	1.83E-06	1.26E-07
4246	469236.59	3818692.64	6.55E-06	2.75E-05	2.48E-06	5.45E-06	2.02E-05	1.78E-06	6.18E-07	3.54E-06	4.22E-07	5.62E-07	1.85E-06	1.28E-07
4247	469240.45	3818683.8	6.61E-06	2.78E-05	2.50E-06	5.51E-06	2.04E-05	1.80E-06	6.25E-07	3.58E-06	4.27E-07	5.68E-07	1.87E-06	1.29E-07
4248	469244.3	3818674.96	6.67E-06	2.80E-05	2.52E-06	5.56E-06	2.06E-05	1.81E-06	6.30E-07	3.61E-06	4.30E-07	5.73E-07	1.89E-06	1.30E-07
4249	469248.16	3818666.13	6.73E-06	2.83E-05	2.55E-06	5.61E-06	2.08E-05	1.83E-06	6.36E-07	3.64E-06	4.34E-07	5.78E-07	1.91E-06	1.31E-07
4250	469252.01	3818657.29	6.78E-06	2.85E-05	2.56E-06	5.65E-06	2.09E-05	1.84E-06	6.40E-07	3.66E-06	4.37E-07	5.82E-07	1.92E-06	1.32E-07
4251	469255.87	3818648.45	6.83E-06	2.87E-05	2.58E-06	5.69E-06	2.11E-05	1.85E-06	6.45E-07	3.69E-06	4.40E-07	5.86E-07	1.93E-06	1.33E-07
4252	469278.99	3818595.42	7.04E-06	2.96E-05	2.66E-06	5.87E-06	2.17E-05	1.91E-06	6.65E-07	3.81E-06	4.54E-07	6.05E-07	1.99E-06	1.37E-07
4253	469282.85	3818586.58	7.08E-06	2.97E-05	2.68E-06	5.89E-06	2.18E-05	1.92E-06	6.68E-07	3.83E-06	4.56E-07	6.07E-07	2.00E-06	1.38E-07
4254	469286.7	3818577.74	7.11E-06	2.98E-05	2.69E-06	5.92E-06	2.19E-05	1.93E-06	6.71E-07	3.84E-06	4.58E-07	6.10E-07	2.01E-06	1.39E-07
4255	469290.56	3818568.9	7.13E-06	3.00E-05	2.70E-06	5.94E-06	2.20E-05	1.94E-06	6.74E-07	3.86E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
4256	469294.41	3818560.06	7.15E-06	3.00E-05	2.71E-06	5.96E-06	2.21E-05	1.94E-06	6.75E-07	3.87E-06	4.61E-07	6.14E-07	2.02E-06	1.40E-07
4257	469298.27	3818551.22	7.17E-06	3.01E-05	2.71E-06	5.97E-06	2.21E-05	1.95E-06	6.77E-07	3.88E-06	4.63E-07	6.16E-07	2.03E-06	1.40E-07
4258	469302.12	3818542.39	7.20E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.80E-07	3.89E-06	4.64E-07	6.18E-07	2.04E-06	1.40E-07
4259	469305.98	3818533.55	7.22E-06	3.03E-05	2.73E-06	6.01E-06	2.23E-05	1.96E-06	6.82E-07	3.90E-06	4.66E-07	6.20E-07	2.04E-06	1.41E-07
4260	469309.83	3818524.71	7.25E-06	3.05E-05	2.74E-06	6.04E-06	2.24E-05	1.97E-06	6.85E-07	3.92E-06	4.68E-07	6.23E-07	2.05E-06	1.42E-07
4261	469313.68	3818515.87	7.28E-06	3.06E-05	2.75E-06	6.07E-06	2.25E-05	1.98E-06	6.88E-07	3.94E-06	4.70E-07	6.25E-07	2.06E-06	1.42E-07
4262	469317.54	3818507.03	7.31E-06	3.07E-05	2.77E-06	6.09E-06	2.26E-05	1.98E-06	6.90E-07	3.95E-06	4.72E-07	6.28E-07	2.07E-06	1.43E-07
4263	469321.39	3818498.19	7.35E-06	3.08E-05	2.78E-06	6.12E-06	2.27E-05	1.99E-06	6.94E-07	3.97E-06	4.74E-07	6.31E-07	2.08E-06	1.43E-07
4264	469325.25	3818489.35	7.38E-06	3.10E-05	2.79E-06	6.15E-06	2.28E-05	2.00E-06	6.97E-07	3.99E-06	4.76E-07	6.34E-07	2.09E-06	1.44E-07
4265	469329.1	3818480.51	7.42E-06	3.12E-05	2.81E-06	6.18E-06	2.29E-05	2.01E-06	7.01E-07	4.01E-06	4.79E-07	6.37E-07	2.10E-06	1.45E-07
4266	469332.96	3818471.68	7.46E-06	3.13E-05	2.82E-06	6.21E-06	2.30E-05	2.02E-06	7.04E-07	4.03E-06	4.81E-07	6.40E-07	2.11E-06	1.45E-07
4267	469336.81	3818462.84	7.48E-06	3.14E-05	2.83E-06	6.23E-06	2.31E-05	2.03E-06	7.06E-07	4.04E-06	4.82E-07	6.42E-07	2.12E-06	1.46E-07
4268	469340.67	3818454	7.51E-06	3.15E-05	2.84E-06	6.25E-06	2.32E-05	2.04E-06	7.09E-07	4.06E-06	4.84E-07	6.45E-07	2.13E-06	1.47E-07
4269	469353.49	3818441.61	7.68E-06	3.22E-05	2.90E-06	6.40E-06	2.37E-05	2.08E-06	7.25E-07	4.15E-06	4.95E-07	6.59E-07	2.17E-06	1.50E-07
4270	469362.45	3818438.06	7.82E-06	3.28E-05	2.96E-06	6.51E-06	2.41E-05	2.12E-06	7.38E-07	4.23E-06	5.04E-07	6.71E-07	2.21E-06	1.53E-07
4271	469371.42	3818434.51	7.96E-06	3.34E-05	3.01E-06	6.63E-06	2.46E-05	2.16E-06	7.52E-07	4.30E-06	5.14E-07	6.83E-07	2.25E-06	1.55E-07
4272	469380.38	3818430.96	8.10E-06	3.40E-05	3.06E-06	6.75E-06	2.50E-05	2.20E-06	7.65E-07	4.38E-06	5.23E-07	6.95E-07	2.29E-06	1.58E-07
4273	469389.35	3818427.41	8.24E-06	3.46E-05	3.12E-06	6.86E-06	2.54E-05	2.24E-06	7.78E-07	4.45E-06	5.32E-07	7.07E-07	2.33E-06	1.61E-07
4274	469470.03	3818395.45	9.34E-06	3.92E-05	3.53E-06	7.78E-06	2.88E-05	2.53E-06	8.82E-07	5.05E-06	6.02E-07	8.02E-07	2.64E-06	1.82E-07
4275	469479	3818391.9	9.44E-06	3.97E-05	3.57E-06	7.87E-06	2.91E-05	2.56E-06	8.92E-07	5.11E-06	6.09E-07	8.11E-07	2.67E-06	1.84E-07
4276	469487.96	3818388.35	9.53E-06	4.00E-05	3.61E-06	7.94E-06	2.94E-05	2.59E-06	9.00E-07	5.15E-06	6.15E-07	8.19E-07	2.70E-06	1.86E-07
4277	469496.93	3818384.8	9.62E-06	4.04E-05	3.64E-06	8.01E-06	2.97E-05	2.61E-06	9.09E-07	5.20E-06	6.21E-07	8.26E-07	2.72E-06	1.88E-07
4278	469505.89	3818381.25	9.71E-06	4.08E-05	3.67E-06	8.09E-06	3.00E-05	2.64E-06	9.17E-07	5.25E-06	6.26E-07	8.33E-07	2.75E-06	1.89E-07
4279	469514.86	3818377.7	9.78E-06	4.11E-05	3.70E-06	8.15E-06	3.02E-05	2.66E-06	9.24E-07	5.29E-06	6.31E-07	8.40E-07	2.77E-06	1.91E-07
4280	469523.82	3818374.15	9.87E-06	4.14E-05	3.73E-06	8.22E-06	3.04E-05	2.68E-06	9.32E-07	5.33E-06	6.36E-07	8.47E-07	2.79E-06	1.93E-07
4281	469532.79	3818370.6	9.94E-06	4.17E-05	3.76E-06	8.28E-06	3.07E-05	2.70E-06	9.39E-07	5.37E-06	6.41E-07	8.53E-07	2.81E-06	1.94E-07
4282	469541.75	3818367.04	1.00E-05	4.21E-05	3.79E-06	8.34E-06	3.09E-05	2.72E-06	9.46E-07	5.41E-06	6.46E-07	8.60E-07	2.84E-06	1.95E-07
4283	469550.72	3818363.49	1.01E-05	4.24E-05	3.82E-06	8.41E-06	3.11E-05	2.74E-06	9.53E-07	5.46E-06	6.51E-07	8.66E-07	2.86E-06	1.97E-07
4284	469559.68	3818359.94	1.02E-05	4.27E-05	3.84E-06	8.47E-06	3.14E-05	2.76E-06	9.60E-07	5.50E-06	6.56E-07	8.73E-07	2.88E-06	1.98E-07
4285	469568.65	3818356.39	1.02E-05	4.30E-05	3.87E-06	8.52E-06	3.16E-05	2.78E-06	9.66E-07	5.53E-06	6.60E-07	8.78E-07	2.90E-06	2.00E-07
4286	469577.61	3818352.84	1.03E-05	4.33E-05	3.90E-06	8.60E-06	3.18E-05	2.80E-06	9.74E-07	5.58E-06	6.66E-07	8.86E-07	2.92E-06	2.01E-07
4287	469586.58	3818349.29	1.04E-05	4.37E-05	3.93E-06	8.66E-06	3.21E-05	2.82E-06	9.82E-07	5.62E-06	6.71E-07	8.93E-07	2.94E-06	2.03E-07
4288	469595.54	3818345.74	1.05E-05	4.40E-05	3.97E-06	8.74E-06	3.24E-05	2.85E-06	9.90E-07	5.67E-06	6.76E-07	9.00E-07	2.97E-06	2.05E-07
4289	469604.51	3818342.19	1.06E-05	4.44E-05	4.00E-06	8.80E-06	3.26E-05	2.87E-06	9.98E-07	5.71E-06	6.81E-07	9.07E-07	2.99E-06	2.06E-07
4290	469613.47	3818338.64	1.07E-05	4.47E-05	4.03E-06	8.87E-06	3.29E-05	2.89E-06	1.01E-06	5.76E-06	6.87E-07	9.14E-07	3.01E-06	2.08E-07
4291	469622.44	3818335.09	1.07E-05	4.51E-05	4.06E-06	8.94E-06	3.31E-05	2.91E-06	1.01E-06	5.80E-06	6.93E-07	9.22E-07	3.04E-06	2.10E-07
4292	469631.4	3818331.54	1.08E-05	4.55E-05	4.10E-06	9.02E-06	3.34E-05	2.94E-06	1.02E-06	5.86E-06	6.99E-07	9.30E-07	3.07E-06	2.11E-07
4293	469640.37	3818327.99	1.09E-05	4.58E-05	4.13E-06	9.09E-06	3.37E-05	2.96E-06	1.03E-06	5.90E-06	7.04E-07	9.37E-07	3.09E-06	2.13E-07
4294	469649.33	3818324.44	1.10E-05	4.62E-05	4.16E-06	9.16E-06	3.39E-05	2.99E-06	1.04E-06	5.95E-06	7.10E-07	9.44E-07	3.11E-06	2.15E-07
4295	469658.3	3818320.89	1.11E-05	4.66E-05	4.20E-06	9.24E-06	3.42E-05	3.01E-06	1.05E-06	6.00E-06	7.16E-07	9.52E-07	3.14E-06	2.16E-07
4296	469667.26	3818317.34	1.12E-05	4.70E-05	4.23E-06	9.31E-06	3.45E-05	3.03E-06	1.06E-06	6.04E-06	7.21E-07	9.60E-07	3.16E-06	2.18E-07
4297	469676.23	3818313.78	1.13E-05	4.73E-05	4.26E-06	9.38E-06	3.48E-05	3.06E-06	1.06E-06	6.09E-06	7.27E-07	9.67E-07	3.19E-06	2.20E-07
4298	469712.09	3818299.58	1.16E-05	4.88E-05	4.39E-06	9.68E-06	3.58E-05	3.15E-06	1.10E-06	6.28E-06	7.49E-07	9.97E-07	3.29E-06	2.27E-07
4299	469721.05	3818296.03	1.17E-05	4.91E-05	4.42E-06	9.74E-06	3.61E-05	3.18E-06	1.10E-06	6.32E-06	7.55E-07	1.00E-06	3.31E-06	2.28E-07
4300	469730.02	3818292.48	1.18E-05	4.95E-05	4.46E-06	9.82E-06	3.64E-05	3.20E-06	1.11E-06	6.37E-06	7.60E-07	1.01E-06	3.34E-06	2.30E-07
4301	469738.98	3818288.93	1.19E-05	4.98E-05	4.49E-06	9.89E-06	3.66E-05	3.22E-06	1.12E-06	6.42E-06	7.65E-07	1.02E-06	3.36E-06	2.32E-07
4302	469747.95	3818285.38	1.19E-05	5.02E-05	4.52E-06	9.95E-06	3.69E-05	3.24E-06	1.13E-06	6.46E-06	7.71E-07	1.03E-06	3.38E-06	2.33E-07
4303	469756.91	3818281.83	1.20E-05	5.05E-05	4.54E-06	1.00E-05	3.71E-05	3.26E-06	1.13E-06	6.50E-06	7.75E-07	1.03E-06	3.40E-06	2.34E-07

4304	469765.88	3818278.28	1.21E-05	5.07E-05	4.57E-06	1.01E-05	3.73E-05	3.28E-06	1.14E-06	6.53E-06	7.79E-07	1.04E-06	3.42E-06	2.36E-07
4305	469774.84	3818274.73	1.21E-05	5.10E-05	4.59E-06	1.01E-05	3.75E-05	3.29E-06	1.15E-06	6.56E-06	7.83E-07	1.04E-06	3.44E-06	2.37E-07
4306	469783.81	3818271.18	1.22E-05	5.12E-05	4.61E-06	1.02E-05	3.76E-05	3.31E-06	1.15E-06	6.59E-06	7.87E-07	1.05E-06	3.45E-06	2.38E-07
4307	469792.77	3818267.63	1.22E-05	5.14E-05	4.63E-06	1.02E-05	3.78E-05	3.32E-06	1.16E-06	6.62E-06	7.90E-07	1.05E-06	3.47E-06	2.39E-07
4308	469801.74	3818264.07	1.23E-05	5.16E-05	4.65E-06	1.02E-05	3.79E-05	3.34E-06	1.16E-06	6.64E-06	7.92E-07	1.05E-06	3.48E-06	2.40E-07
4309	469810.7	3818260.52	1.23E-05	5.18E-05	4.66E-06	1.03E-05	3.80E-05	3.35E-06	1.16E-06	6.67E-06	7.95E-07	1.06E-06	3.49E-06	2.41E-07
4310	469819.67	3818256.97	1.24E-05	5.19E-05	4.68E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.68E-06	7.97E-07	1.06E-06	3.50E-06	2.41E-07
4311	469828.63	3818253.42	1.24E-05	5.21E-05	4.69E-06	1.03E-05	3.83E-05	3.37E-06	1.17E-06	6.70E-06	8.00E-07	1.06E-06	3.51E-06	2.42E-07
4312	469837.6	3818249.87	1.24E-05	5.22E-05	4.70E-06	1.04E-05	3.84E-05	3.37E-06	1.17E-06	6.72E-06	8.02E-07	1.07E-06	3.52E-06	2.43E-07
4313	469846.56	3818246.32	1.25E-05	5.23E-05	4.71E-06	1.04E-05	3.84E-05	3.38E-06	1.18E-06	6.73E-06	8.03E-07	1.07E-06	3.53E-06	2.43E-07
4314	469855.53	3818242.77	1.25E-05	5.24E-05	4.72E-06	1.04E-05	3.85E-05	3.39E-06	1.18E-06	6.75E-06	8.05E-07	1.07E-06	3.53E-06	2.44E-07
4315	469864.49	3818239.22	1.25E-05	5.25E-05	4.73E-06	1.04E-05	3.86E-05	3.40E-06	1.18E-06	6.76E-06	8.07E-07	1.07E-06	3.54E-06	2.44E-07
4316	469873.46	3818235.67	1.25E-05	5.26E-05	4.74E-06	1.04E-05	3.87E-05	3.40E-06	1.18E-06	6.78E-06	8.09E-07	1.08E-06	3.55E-06	2.45E-07
4317	469882.42	3818232.12	1.26E-05	5.28E-05	4.75E-06	1.05E-05	3.88E-05	3.41E-06	1.19E-06	6.80E-06	8.11E-07	1.08E-06	3.56E-06	2.45E-07
4318	469891.39	3818228.57	1.26E-05	5.30E-05	4.77E-06	1.05E-05	3.89E-05	3.42E-06	1.19E-06	6.82E-06	8.13E-07	1.08E-06	3.57E-06	2.46E-07
4319	469900.35	3818225.02	1.27E-05	5.32E-05	4.79E-06	1.05E-05	3.91E-05	3.44E-06	1.20E-06	6.84E-06	8.16E-07	1.09E-06	3.58E-06	2.47E-07
4320	469909.32	3818221.47	1.27E-05	5.34E-05	4.81E-06	1.06E-05	3.92E-05	3.45E-06	1.20E-06	6.87E-06	8.20E-07	1.09E-06	3.60E-06	2.48E-07
4321	469918.28	3818217.92	1.28E-05	5.37E-05	4.83E-06	1.06E-05	3.94E-05	3.47E-06	1.21E-06	6.91E-06	8.24E-07	1.10E-06	3.62E-06	2.49E-07
4322	469927.25	3818214.36	1.28E-05	5.39E-05	4.86E-06	1.07E-05	3.96E-05	3.49E-06	1.21E-06	6.94E-06	8.28E-07	1.10E-06	3.63E-06	2.51E-07
4323	469936.21	3818210.81	1.29E-05	5.42E-05	4.88E-06	1.07E-05	3.98E-05	3.50E-06	1.22E-06	6.97E-06	8.32E-07	1.11E-06	3.65E-06	2.52E-07
4324	469945.18	3818207.26	1.30E-05	5.44E-05	4.90E-06	1.08E-05	4.00E-05	3.52E-06	1.22E-06	7.01E-06	8.36E-07	1.11E-06	3.67E-06	2.53E-07
4325	469954.14	3818203.71	1.30E-05	5.47E-05	4.93E-06	1.09E-05	4.02E-05	3.54E-06	1.23E-06	7.05E-06	8.41E-07	1.12E-06	3.69E-06	2.54E-07
4326	469963.11	3818200.16	1.31E-05	5.51E-05	4.96E-06	1.09E-05	4.05E-05	3.56E-06	1.24E-06	7.10E-06	8.47E-07	1.13E-06	3.72E-06	2.56E-07
4327	469972.07	3818196.61	1.32E-05	5.56E-05	5.00E-06	1.10E-05	4.08E-05	3.59E-06	1.25E-06	7.15E-06	8.54E-07	1.14E-06	3.75E-06	2.58E-07
4328	469981.04	3818193.06	1.33E-05	5.60E-05	5.04E-06	1.11E-05	4.11E-05	3.62E-06	1.26E-06	7.21E-06	8.60E-07	1.14E-06	3.77E-06	2.60E-07
4329	469990	3818189.51	1.34E-05	5.64E-05	5.08E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.26E-06	8.67E-07	1.15E-06	3.80E-06	2.62E-07
4330	469998.97	3818185.96	1.35E-05	5.68E-05	5.12E-06	1.13E-05	4.18E-05	3.67E-06	1.28E-06	7.32E-06	8.73E-07	1.16E-06	3.83E-06	2.64E-07
4331	470007.93	3818182.41	1.36E-05	5.73E-05	5.16E-06	1.14E-05	4.21E-05	3.70E-06	1.29E-06	7.37E-06	8.80E-07	1.17E-06	3.86E-06	2.66E-07
4332	470043.79	3818168.21	1.40E-05	5.86E-05	5.28E-06	1.16E-05	4.31E-05	3.79E-06	1.32E-06	7.55E-06	9.01E-07	1.20E-06	3.95E-06	2.72E-07
4333	470052.76	3818164.66	1.40E-05	5.89E-05	5.30E-06	1.17E-05	4.33E-05	3.81E-06	1.32E-06	7.58E-06	9.04E-07	1.20E-06	3.97E-06	2.74E-07
4334	470061.72	3818161.1	1.41E-05	5.90E-05	5.32E-06	1.17E-05	4.34E-05	3.82E-06	1.33E-06	7.60E-06	9.07E-07	1.21E-06	3.98E-06	2.74E-07
4335	470070.69	3818157.55	1.41E-05	5.91E-05	5.32E-06	1.17E-05	4.34E-05	3.82E-06	1.33E-06	7.61E-06	9.08E-07	1.21E-06	3.98E-06	2.75E-07
4336	470079.65	3818154	1.41E-05	5.91E-05	5.32E-06	1.17E-05	4.34E-05	3.82E-06	1.33E-06	7.60E-06	9.07E-07	1.21E-06	3.98E-06	2.74E-07
4337	470088.62	3818150.45	1.37E-05	5.76E-05	5.19E-06	1.14E-05	4.24E-05	3.73E-06	1.30E-06	7.42E-06	8.85E-07	1.18E-06	3.88E-06	2.68E-07
4338	470097.58	3818146.9	1.37E-05	5.75E-05	5.18E-06	1.14E-05	4.22E-05	3.72E-06	1.29E-06	7.40E-06	8.83E-07	1.18E-06	3.88E-06	2.67E-07
4339	470106.55	3818143.35	1.36E-05	5.73E-05	5.16E-06	1.14E-05	4.21E-05	3.70E-06	1.29E-06	7.38E-06	8.80E-07	1.17E-06	3.86E-06	2.66E-07
4340	470115.51	3818139.8	1.36E-05	5.70E-05	5.14E-06	1.13E-05	4.19E-05	3.69E-06	1.28E-06	7.34E-06	8.76E-07	1.17E-06	3.84E-06	2.65E-07
4341	469008.78	3819233.42	3.94E-06	1.66E-05	1.49E-06	3.29E-06	1.22E-05	1.07E-06	3.73E-07	2.13E-06	2.54E-07	3.39E-07	1.12E-06	7.70E-08
4342	469008.59	3819243.06	4.02E-06	1.69E-05	1.52E-06	3.35E-06	1.24E-05	1.09E-06	3.79E-07	2.17E-06	2.59E-07	3.45E-07	1.14E-06	7.84E-08
4343	469008.4	3819252.71	4.08E-06	1.72E-05	1.54E-06	3.40E-06	1.26E-05	1.11E-06	3.86E-07	2.21E-06	2.63E-07	3.51E-07	1.16E-06	7.97E-08
4344	469008.2	3819262.36	4.15E-06	1.74E-05	1.57E-06	3.46E-06	1.28E-05	1.13E-06	3.92E-07	2.24E-06	2.68E-07	3.56E-07	1.18E-06	8.10E-08
4345	469008.01	3819272.01	4.21E-06	1.77E-05	1.59E-06	3.51E-06	1.30E-05	1.14E-06	3.98E-07	2.28E-06	2.72E-07	3.62E-07	1.19E-06	8.22E-08
4346	469007.82	3819281.66	4.28E-06	1.80E-05	1.62E-06	3.57E-06	1.32E-05	1.16E-06	4.04E-07	2.31E-06	2.76E-07	3.68E-07	1.21E-06	8.35E-08
4347	469007.62	3819291.3	4.34E-06	1.82E-05	1.64E-06	3.62E-06	1.34E-05	1.18E-06	4.10E-07	2.35E-06	2.80E-07	3.73E-07	1.23E-06	8.48E-08
4348	469007.43	3819300.95	4.41E-06	1.85E-05	1.67E-06	3.67E-06	1.36E-05	1.20E-06	4.16E-07	2.38E-06	2.84E-07	3.78E-07	1.25E-06	8.60E-08
4349	469007.24	3819310.6	4.46E-06	1.87E-05	1.69E-06	3.72E-06	1.38E-05	1.21E-06	4.22E-07	2.41E-06	2.88E-07	3.83E-07	1.26E-06	8.71E-08
4350	469007.05	3819320.25	4.52E-06	1.90E-05	1.71E-06	3.77E-06	1.40E-05	1.23E-06	4.27E-07	2.44E-06	2.92E-07	3.88E-07	1.28E-06	8.82E-08
4351	469006.85	3819329.9	4.58E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.48E-06	2.95E-07	3.93E-07	1.30E-06	8.94E-08
4352	469006.66	3819339.55	4.63E-06	1.94E-05	1.75E-06	3.85E-06	1.43E-05	1.26E-06	4.37E-07	2.50E-06	2.99E-07	3.97E-07	1.31E-06	9.03E-08
4353	469006.47	3819349.19	4.68E-06	1.97E-05	1.77E-06	3.90E-06	1.44E-05	1.27E-06	4.42E-07	2.53E-06	3.02E-07	4.02E-07	1.32E-06	9.13E-08
4354	469006.27	3819358.84	4.73E-06	1.99E-05	1.79E-06	3.94E-06	1.46E-05	1.28E-06	4.47E-07	2.56E-06	3.05E-07	4.06E-07	1.34E-06	9.23E-08
4355	469006.08	3819368.49	4.78E-06	2.01E-05	1.81E-06	3.98E-06	1.47E-05	1.30E-06	4.51E-07	2.58E-06	3.08E-07	4.10E-07	1.35E-06	9.32E-08
4356	469005.89	3819378.14	4.82E-06	2.02E-05	1.82E-06	4.01E-06	1.49E-05	1.31E-06	4.55E-07	2.61E-06	3.11E-07	4.14E-07	1.36E-06	9.41E-08
4357	469005.69	3819387.79	4.86E-06	2.04E-05	1.84E-06	4.05E-06	1.50E-05	1.32E-06	4.59E-07	2.63E-06	3.14E-07	4.18E-07	1.38E-06	9.49E-08
4358	469005.5	3819397.43	4.91E-06	2.06E-05	1.86E-06	4.09E-06	1.52E-05	1.33E-06	4.64E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.58E-08
4359	469005.31	3819407.08	5.03E-06	2.11E-05	1.90E-06	4.19E-06	1.55E-05	1.37E-06	4.75E-07	2.72E-06	3.25E-07	4.32E-07	1.42E-06	9.82E-08
4360	469005.11	3819416.73	5.10E-06	2.14E-05	1.93E-06	4.25E-06	1.57E-05	1.38E-06	4.82E-07	2.76E-06	3.29E-07	4.38E-07	1.44E-06	9.95E-08
4361	469004.92	3819426.38	5.17E-06	2.17E-05	1.96E-06	4.31E-06	1.60E-05	1.40E-06	4.88E-07	2.80E-06	3.34E-07	4.44E-07	1.46E-06	1.01E-07
4362	469078.44	3818870.28	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.67E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.58E-08
4363	469082.27	3818861.5	3.95E-06	1.66E-05	1.49E-06	3.29E-06	1.22E-05	1.07E-06	3.73E-07	2.14E-06	2.55E-07	3.39E-07	1.12E-06	7.71E-08
4364	469086.09	3818852.73	4.02E-06	1.69E-05	1.52E-06	3.35E-06	1.24E-05	1.09E-06	3.79E-07	2.17E-06	2.59E-07	3.45E-07	1.14E-06	7.84E-08
4365	469089.92	3818843.95	4.09E-06	1.72E-05	1.55E-06	3.41E-06	1.26E-05	1.11E-06	3.87E-07	2.21E-06	2.64E-07	3.51E-07	1.16E-06	7.99E-08
4366	469093.75	3818835.18	4.17E-06	1.75E-05	1.58E-06	3.47E-06	1.29E-05	1.13E-06	3.93E-07	2.25E-06	2.69E-07	3.58E-07	1.18E-06	8.13E-08
4367	469097.58	3818826.4	4.23E-06	1.78E-05	1.60E-06	3.53E-06	1.31E-05	1.15E-06	4.00E-07	2.29E-06	2.73E-07	3.63E-07	1.20E-06	8.26E-08
4368	469101.4	3818817.63	4.31E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.40E-08
4369	469105.23	3818808.85	4.38E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.14E-07	2.37E-06	2.83E-07	3.76E-07	1.24E-06	8.55E-08
4370	469109.06	3818800.08	4.46E-06	1.87E-05	1.69E-06	3.71E-06	1.38E-05	1.21E-06	4.21E-07	2.41E-06	2.88E-07	3.83E-07	1.26E-06	8.70E-08
4371	469112.88	3818791.3	4.55E-06	1.91E-05	1.72E-06	3.79E-06	1.40E-05	1.23E-06	4.29E-07	2.46E-06	2.93E-07	3.90E-07	1.29E-06	8.87E-08
4372	469116.71	3818782.53	4.63E-06	1.94E-05	1.75E-06	3.85E-06	1.43E-05	1.26E-06	4.37E-07	2.50E-06	2.99E-07	3.97E-07	1.31E-06	9.03E-08
4373	469120.54	3818773.75	4.71E-06	1.98E-05	1.78E-06	3.93E-06	1.45E-05	1.28E-06	4.45E-07	2.55E-06	3.04E-07	4.05E-07	1.33E-06	9.20E-08
4374	469124.36	3818764.97	4.80E-06	2.01E-05	1.81E-06	3.99E-06	1.48E-05	1.30E-06	4.53E-07	2.59E-06	3.09E-07	4.12E-07	1.36E-06	9.36E-08
4375	469128.19	3818756.2	4.88E-06	2.05E-05	1.85E-06	4.07E-06	1.51E-05	1.33E-06	4.61E-07	2.64E-06	3.15E-07	4.19E-07	1.38E-06	9.53E-08
4376	469132.02	3818747.42	4.97E-06	2.09E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.69E-07	2.69E-06	3.21E-07	4.27E-07	1.41E-06	9.70E-08

4377	469135.85	3818738.65	5.05E-06	2.12E-05	1.91E-06	4.21E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.26E-07	4.34E-07	1.43E-06	9.86E-08
4378	469139.67	3818729.87	5.13E-06	2.16E-05	1.94E-06	4.28E-06	1.58E-05	1.39E-06	4.85E-07	2.77E-06	3.31E-07	4.41E-07	1.45E-06	1.00E-07
4379	469143.5	3818721.1	5.21E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.41E-06	4.92E-07	2.82E-06	3.36E-07	4.47E-07	1.47E-06	1.02E-07
4380	469147.33	3818712.32	5.29E-06	2.22E-05	2.00E-06	4.41E-06	1.63E-05	1.44E-06	5.00E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
4381	469151.15	3818703.55	5.36E-06	2.25E-05	2.03E-06	4.47E-06	1.66E-05	1.46E-06	5.07E-07	2.90E-06	3.46E-07	4.60E-07	1.52E-06	1.05E-07
4382	469154.98	3818694.77	5.44E-06	2.28E-05	2.06E-06	4.53E-06	1.68E-05	1.48E-06	5.13E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
4383	469158.81	3818686	5.51E-06	2.31E-05	2.08E-06	4.59E-06	1.70E-05	1.50E-06	5.20E-07	2.98E-06	3.55E-07	4.73E-07	1.56E-06	1.07E-07
4384	469162.63	3818677.22	5.58E-06	2.34E-05	2.11E-06	4.64E-06	1.72E-05	1.51E-06	5.26E-07	3.01E-06	3.60E-07	4.79E-07	1.58E-06	1.09E-07
4385	469166.46	3818668.45	5.64E-06	2.37E-05	2.13E-06	4.70E-06	1.74E-05	1.53E-06	5.32E-07	3.05E-06	3.64E-07	4.84E-07	1.60E-06	1.10E-07
4386	469170.29	3818659.67	5.70E-06	2.39E-05	2.16E-06	4.75E-06	1.76E-05	1.55E-06	5.38E-07	3.08E-06	3.68E-07	4.89E-07	1.61E-06	1.11E-07
4387	469174.12	3818650.9	5.75E-06	2.42E-05	2.18E-06	4.79E-06	1.78E-05	1.56E-06	5.43E-07	3.11E-06	3.71E-07	4.94E-07	1.63E-06	1.12E-07
4388	469177.94	3818642.12	5.81E-06	2.44E-05	2.20E-06	4.84E-06	1.79E-05	1.58E-06	5.48E-07	3.14E-06	3.75E-07	4.98E-07	1.64E-06	1.13E-07
4389	469181.77	3818633.34	5.85E-06	2.46E-05	2.21E-06	4.88E-06	1.81E-05	1.59E-06	5.53E-07	3.16E-06	3.78E-07	5.03E-07	1.66E-06	1.14E-07
4390	469185.6	3818624.57	5.90E-06	2.48E-05	2.23E-06	4.91E-06	1.82E-05	1.60E-06	5.57E-07	3.19E-06	3.80E-07	5.06E-07	1.67E-06	1.15E-07
4391	469189.42	3818615.79	5.94E-06	2.50E-05	2.25E-06	4.95E-06	1.83E-05	1.61E-06	5.61E-07	3.21E-06	3.83E-07	5.10E-07	1.68E-06	1.16E-07
4392	469193.25	3818607.02	5.98E-06	2.51E-05	2.26E-06	4.98E-06	1.85E-05	1.62E-06	5.65E-07	3.23E-06	3.86E-07	5.13E-07	1.69E-06	1.17E-07
4393	469197.08	3818598.24	6.01E-06	2.53E-05	2.27E-06	5.01E-06	1.86E-05	1.63E-06	5.68E-07	3.25E-06	3.88E-07	5.16E-07	1.70E-06	1.17E-07
4394	469200.91	3818589.47	6.04E-06	2.54E-05	2.29E-06	5.03E-06	1.86E-05	1.64E-06	5.71E-07	3.27E-06	3.90E-07	5.19E-07	1.71E-06	1.18E-07
4395	469204.73	3818580.69	6.07E-06	2.55E-05	2.30E-06	5.06E-06	1.87E-05	1.65E-06	5.73E-07	3.28E-06	3.92E-07	5.21E-07	1.72E-06	1.18E-07
4396	469208.56	3818571.92	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.65E-06	5.76E-07	3.29E-06	3.93E-07	5.23E-07	1.73E-06	1.19E-07
4397	469212.39	3818563.14	6.12E-06	2.57E-05	2.31E-06	5.10E-06	1.89E-05	1.66E-06	5.78E-07	3.31E-06	3.95E-07	5.25E-07	1.73E-06	1.19E-07
4398	469216.21	3818554.37	6.14E-06	2.58E-05	2.32E-06	5.12E-06	1.90E-05	1.67E-06	5.80E-07	3.32E-06	3.96E-07	5.27E-07	1.74E-06	1.20E-07
4399	469220.04	3818545.59	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.82E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
4400	469223.87	3818536.82	6.18E-06	2.60E-05	2.34E-06	5.15E-06	1.91E-05	1.68E-06	5.84E-07	3.34E-06	3.99E-07	5.31E-07	1.75E-06	1.21E-07
4401	469227.69	3818528.04	6.20E-06	2.60E-05	2.34E-06	5.16E-06	1.91E-05	1.68E-06	5.85E-07	3.35E-06	4.00E-07	5.32E-07	1.75E-06	1.21E-07
4402	469231.52	3818519.26	6.22E-06	2.61E-05	2.35E-06	5.18E-06	1.92E-05	1.69E-06	5.87E-07	3.36E-06	4.01E-07	5.34E-07	1.76E-06	1.21E-07
4403	469235.35	3818510.49	6.23E-06	2.62E-05	2.36E-06	5.19E-06	1.92E-05	1.69E-06	5.89E-07	3.37E-06	4.02E-07	5.35E-07	1.76E-06	1.22E-07
4404	469239.18	3818501.71	6.25E-06	2.63E-05	2.37E-06	5.21E-06	1.93E-05	1.70E-06	5.91E-07	3.38E-06	4.03E-07	5.37E-07	1.77E-06	1.22E-07
4405	469243	3818492.94	6.26E-06	2.63E-05	2.37E-06	5.22E-06	1.93E-05	1.70E-06	5.91E-07	3.39E-06	4.04E-07	5.38E-07	1.77E-06	1.22E-07
4406	469246.83	3818484.16	6.28E-06	2.64E-05	2.37E-06	5.23E-06	1.94E-05	1.70E-06	5.93E-07	3.39E-06	4.05E-07	5.39E-07	1.78E-06	1.22E-07
4407	469250.66	3818475.39	6.29E-06	2.64E-05	2.38E-06	5.24E-06	1.94E-05	1.71E-06	5.94E-07	3.40E-06	4.06E-07	5.40E-07	1.78E-06	1.23E-07
4408	469254.48	3818466.61	6.31E-06	2.65E-05	2.39E-06	5.26E-06	1.95E-05	1.71E-06	5.96E-07	3.41E-06	4.07E-07	5.42E-07	1.79E-06	1.23E-07
4409	469258.31	3818457.84	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.99E-07	3.43E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
4410	469297.83	3818384.11	6.68E-06	2.80E-05	2.53E-06	5.56E-06	2.06E-05	1.81E-06	6.31E-07	3.61E-06	4.31E-07	5.73E-07	1.89E-06	1.30E-07
4411	469306.73	3818380.58	6.79E-06	2.85E-05	2.57E-06	5.66E-06	2.10E-05	1.84E-06	6.41E-07	3.67E-06	4.38E-07	5.83E-07	1.92E-06	1.33E-07
4412	469315.63	3818377.06	6.91E-06	2.90E-05	2.61E-06	5.75E-06	2.13E-05	1.88E-06	6.52E-07	3.73E-06	4.46E-07	5.93E-07	1.96E-06	1.35E-07
4413	469324.53	3818373.53	7.02E-06	2.95E-05	2.66E-06	5.85E-06	2.17E-05	1.91E-06	6.63E-07	3.80E-06	4.53E-07	6.03E-07	1.99E-06	1.37E-07
4414	469333.43	3818370.01	7.14E-06	3.00E-05	2.70E-06	5.95E-06	2.20E-05	1.94E-06	6.75E-07	3.86E-06	4.61E-07	6.13E-07	2.02E-06	1.39E-07
4415	469342.33	3818366.48	7.26E-06	3.05E-05	2.75E-06	6.05E-06	2.24E-05	1.97E-06	6.85E-07	3.92E-06	4.68E-07	6.23E-07	2.05E-06	1.42E-07
4416	469351.23	3818362.96	7.37E-06	3.10E-05	2.79E-06	6.14E-06	2.28E-05	2.00E-06	6.96E-07	3.99E-06	4.76E-07	6.33E-07	2.09E-06	1.44E-07
4417	469360.13	3818359.43	7.49E-06	3.14E-05	2.83E-06	6.23E-06	2.31E-05	2.03E-06	7.07E-07	4.05E-06	4.83E-07	6.43E-07	2.12E-06	1.46E-07
4418	469369.03	3818355.91	7.59E-06	3.19E-05	2.87E-06	6.32E-06	2.34E-05	2.06E-06	7.16E-07	4.10E-06	4.89E-07	6.51E-07	2.15E-06	1.48E-07
4419	469377.94	3818352.38	7.69E-06	3.23E-05	2.91E-06	6.41E-06	2.37E-05	2.09E-06	7.26E-07	4.16E-06	4.96E-07	6.60E-07	2.18E-06	1.50E-07
4420	469386.84	3818348.86	7.79E-06	3.27E-05	2.95E-06	6.49E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.69E-07	2.20E-06	1.52E-07
4421	469395.74	3818345.33	7.89E-06	3.31E-05	2.98E-06	6.57E-06	2.43E-05	2.14E-06	7.45E-07	4.27E-06	5.09E-07	6.77E-07	2.23E-06	1.54E-07
4422	469404.64	3818341.81	7.98E-06	3.35E-05	3.02E-06	6.65E-06	2.46E-05	2.17E-06	7.54E-07	4.31E-06	5.15E-07	6.85E-07	2.26E-06	1.56E-07
4423	469413.54	3818338.28	8.07E-06	3.39E-05	3.05E-06	6.72E-06	2.49E-05	2.19E-06	7.62E-07	4.36E-06	5.21E-07	6.93E-07	2.28E-06	1.58E-07
4424	469422.44	3818334.76	8.15E-06	3.42E-05	3.08E-06	6.79E-06	2.52E-05	2.21E-06	7.70E-07	4.41E-06	5.26E-07	7.00E-07	2.31E-06	1.59E-07
4425	469431.34	3818331.23	8.23E-06	3.46E-05	3.11E-06	6.86E-06	2.54E-05	2.23E-06	7.77E-07	4.45E-06	5.31E-07	7.07E-07	2.33E-06	1.61E-07
4426	469440.24	3818327.7	8.31E-06	3.49E-05	3.14E-06	6.92E-06	2.57E-05	2.26E-06	7.85E-07	4.49E-06	5.36E-07	7.14E-07	2.35E-06	1.62E-07
4427	469449.14	3818324.18	8.38E-06	3.52E-05	3.17E-06	6.98E-06	2.59E-05	2.28E-06	7.92E-07	4.53E-06	5.41E-07	7.20E-07	2.37E-06	1.64E-07
4428	469458.04	3818320.65	8.45E-06	3.55E-05	3.19E-06	7.04E-06	2.61E-05	2.29E-06	7.98E-07	4.57E-06	5.45E-07	7.25E-07	2.39E-06	1.65E-07
4429	469466.94	3818317.13	8.51E-06	3.57E-05	3.22E-06	7.09E-06	2.63E-05	2.31E-06	8.04E-07	4.60E-06	5.49E-07	7.31E-07	2.41E-06	1.66E-07
4430	469475.84	3818313.6	8.57E-06	3.60E-05	3.24E-06	7.14E-06	2.65E-05	2.33E-06	8.10E-07	4.63E-06	5.53E-07	7.36E-07	2.43E-06	1.67E-07
4431	469484.75	3818310.08	8.63E-06	3.62E-05	3.26E-06	7.19E-06	2.66E-05	2.34E-06	8.15E-07	4.67E-06	5.57E-07	7.41E-07	2.44E-06	1.68E-07
4432	469493.65	3818306.55	8.69E-06	3.65E-05	3.29E-06	7.24E-06	2.68E-05	2.36E-06	8.20E-07	4.70E-06	5.60E-07	7.46E-07	2.46E-06	1.70E-07
4433	469502.55	3818303.03	8.74E-06	3.67E-05	3.31E-06	7.28E-06	2.70E-05	2.37E-06	8.25E-07	4.73E-06	5.64E-07	7.50E-07	2.47E-06	1.71E-07
4434	469511.45	3818299.5	8.80E-06	3.70E-05	3.33E-06	7.33E-06	2.72E-05	2.39E-06	8.31E-07	4.76E-06	5.68E-07	7.55E-07	2.49E-06	1.72E-07
4435	469520.35	3818295.98	8.87E-06	3.72E-05	3.35E-06	7.38E-06	2.74E-05	2.41E-06	8.37E-07	4.79E-06	5.72E-07	7.61E-07	2.51E-06	1.73E-07
4436	469529.25	3818292.45	8.93E-06	3.75E-05	3.38E-06	7.44E-06	2.76E-05	2.43E-06	8.44E-07	4.83E-06	5.76E-07	7.67E-07	2.53E-06	1.74E-07
4437	469538.15	3818288.93	9.00E-06	3.78E-05	3.40E-06	7.49E-06	2.78E-05	2.44E-06	8.49E-07	4.86E-06	5.80E-07	7.72E-07	2.55E-06	1.76E-07
4438	469547.05	3818285.4	9.06E-06	3.80E-05	3.43E-06	7.55E-06	2.80E-05	2.46E-06	8.55E-07	4.90E-06	5.84E-07	7.78E-07	2.56E-06	1.77E-07
4439	469555.95	3818281.88	9.12E-06	3.83E-05	3.45E-06	7.60E-06	2.81E-05	2.48E-06	8.61E-07	4.93E-06	5.88E-07	7.83E-07	2.58E-06	1.78E-07
4440	469564.85	3818278.35	9.19E-06	3.86E-05	3.47E-06	7.65E-06	2.84E-05	2.49E-06	8.68E-07	4.97E-06	5.93E-07	7.89E-07	2.60E-06	1.79E-07
4441	469573.75	3818274.83	9.26E-06	3.89E-05	3.50E-06	7.71E-06	2.86E-05	2.51E-06	8.74E-07	5.01E-06	5.97E-07	7.95E-07	2.62E-06	1.81E-07
4442	469582.66	3818271.3	9.33E-06	3.92E-05	3.53E-06	7.77E-06	2.88E-05	2.53E-06	8.81E-07	5.04E-06	6.02E-07	8.01E-07	2.64E-06	1.82E-07
4443	469591.56	3818267.77	9.40E-06	3.95E-05	3.55E-06	7.83E-06	2.90E-05	2.55E-06	8.87E-07	5.08E-06	6.06E-07	8.07E-07	2.66E-06	1.83E-07
4444	469600.46	3818264.25	9.47E-06	3.98E-05	3.58E-06	7.89E-06	2.92E-05	2.57E-06	8.94E-07	5.12E-06	6.11E-07	8.13E-07	2.68E-06	1.85E-07
4445	469609.36	3818260.72	9.54E-06	4.01E-05	3.61E-06	7.95E-06	2.94E-05	2.59E-06	9.01E-07	5.16E-06	6.15E-07	8.19E-07	2.70E-06	1.86E-07
4446	469618.26	3818257.2	9.61E-06	4.04E-05	3.64E-06	8.01E-06	2.97E-05	2.61E-06	9.08E-07	5.20E-06	6.20E-07	8.25E-07	2.72E-06	1.88E-07
4447	469627.16	3818253.67	9.69E-06	4.07E-05	3.66E-06	8.07E-06	2.99E-05	2.63E-06	9.15E-07	5.24E-06	6.25E-07	8.32E-07	2.74E-06	1.89E-07
4448	469636.06	3818250.15	9.77E-06	4.10E-05	3.70E-06	8.14E-06	3.01E-05	2.65E-06	9.23E-07	5.28E-06	6.30E-07	8.39E-07	2.77E-06	1.91E-07
4449	469644.96	3818246.62	9.86E-06	4.14E-05	3.73E-06	8.21E-06	3.04E-05	2.68E-06	9.31E-07	5.33E-06	6.36E-07	8.46E-07	2.79E-06	1.92E-07

4450	469653.86	3818243.1	9.94E-06	4.17E-05	3.76E-06	8.28E-06	3.07E-05	2.70E-06	9.39E-07	5.37E-06	6.41E-07	8.53E-07	2.81E-06	1.94E-07
4451	469662.76	3818239.57	1.00E-05	4.21E-05	3.79E-06	8.35E-06	3.09E-05	2.72E-06	9.46E-07	5.42E-06	6.46E-07	8.60E-07	2.84E-06	1.96E-07
4452	469671.66	3818236.05	1.01E-05	4.24E-05	3.82E-06	8.41E-06	3.11E-05	2.74E-06	9.53E-07	5.46E-06	6.51E-07	8.66E-07	2.86E-06	1.97E-07
4453	469716.17	3818218.42	1.04E-05	4.38E-05	3.94E-06	8.68E-06	3.22E-05	2.83E-06	9.84E-07	5.64E-06	6.72E-07	8.95E-07	2.95E-06	2.03E-07
4454	469725.07	3818214.9	1.05E-05	4.40E-05	3.97E-06	8.74E-06	3.24E-05	2.85E-06	9.90E-07	5.67E-06	6.76E-07	9.00E-07	2.97E-06	2.05E-07
4455	469733.97	3818211.37	1.05E-05	4.43E-05	3.99E-06	8.78E-06	3.25E-05	2.86E-06	9.96E-07	5.70E-06	6.80E-07	9.05E-07	2.98E-06	2.06E-07
4456	469742.87	3818207.84	1.06E-05	4.45E-05	4.01E-06	8.83E-06	3.27E-05	2.88E-06	1.00E-06	5.73E-06	6.84E-07	9.10E-07	3.00E-06	2.07E-07
4457	469751.77	3818204.32	1.07E-05	4.47E-05	4.03E-06	8.88E-06	3.29E-05	2.89E-06	1.01E-06	5.76E-06	6.87E-07	9.15E-07	3.02E-06	2.08E-07
4458	469760.67	3818200.79	1.07E-05	4.49E-05	4.05E-06	8.91E-06	3.30E-05	2.90E-06	1.01E-06	5.78E-06	6.90E-07	9.18E-07	3.03E-06	2.09E-07
4459	469769.57	3818197.27	1.07E-05	4.51E-05	4.06E-06	8.94E-06	3.31E-05	2.91E-06	1.01E-06	5.80E-06	6.93E-07	9.22E-07	3.04E-06	2.10E-07
4460	469778.47	3818193.74	1.08E-05	4.52E-05	4.07E-06	8.97E-06	3.32E-05	2.92E-06	1.02E-06	5.82E-06	6.95E-07	9.25E-07	3.05E-06	2.10E-07
4461	469787.37	3818190.22	1.08E-05	4.54E-05	4.09E-06	9.00E-06	3.33E-05	2.93E-06	1.02E-06	5.84E-06	6.97E-07	9.28E-07	3.06E-06	2.11E-07
4462	469796.28	3818186.69	1.08E-05	4.55E-05	4.10E-06	9.02E-06	3.34E-05	2.94E-06	1.02E-06	5.86E-06	6.99E-07	9.30E-07	3.07E-06	2.11E-07
4463	469805.18	3818183.17	1.09E-05	4.56E-05	4.11E-06	9.04E-06	3.35E-05	2.95E-06	1.03E-06	5.87E-06	7.00E-07	9.32E-07	3.07E-06	2.12E-07
4464	469814.08	3818179.64	1.09E-05	4.57E-05	4.12E-06	9.07E-06	3.36E-05	2.96E-06	1.03E-06	5.89E-06	7.02E-07	9.35E-07	3.08E-06	2.12E-07
4465	469822.98	3818176.12	1.09E-05	4.58E-05	4.13E-06	9.09E-06	3.37E-05	2.96E-06	1.03E-06	5.90E-06	7.04E-07	9.37E-07	3.09E-06	2.13E-07
4466	469831.88	3818172.59	1.09E-05	4.60E-05	4.14E-06	9.12E-06	3.38E-05	2.97E-06	1.03E-06	5.92E-06	7.06E-07	9.40E-07	3.10E-06	2.14E-07
4467	469840.78	3818169.07	1.10E-05	4.61E-05	4.15E-06	9.15E-06	3.39E-05	2.98E-06	1.04E-06	5.94E-06	7.08E-07	9.43E-07	3.11E-06	2.14E-07
4468	469849.68	3818165.54	1.10E-05	4.62E-05	4.16E-06	9.17E-06	3.40E-05	2.99E-06	1.04E-06	5.95E-06	7.10E-07	9.45E-07	3.12E-06	2.15E-07
4469	469858.58	3818162.02	1.10E-05	4.64E-05	4.18E-06	9.20E-06	3.41E-05	3.00E-06	1.04E-06	5.97E-06	7.12E-07	9.48E-07	3.13E-06	2.15E-07
4470	469867.48	3818158.49	1.11E-05	4.65E-05	4.19E-06	9.23E-06	3.42E-05	3.01E-06	1.05E-06	5.99E-06	7.15E-07	9.51E-07	3.14E-06	2.16E-07
4471	469876.38	3818154.97	1.11E-05	4.67E-05	4.21E-06	9.26E-06	3.43E-05	3.02E-06	1.05E-06	6.01E-06	7.17E-07	9.55E-07	3.15E-06	2.17E-07
4472	469885.28	3818151.44	1.12E-05	4.69E-05	4.22E-06	9.30E-06	3.44E-05	3.03E-06	1.05E-06	6.03E-06	7.20E-07	9.58E-07	3.16E-06	2.18E-07
4473	469894.19	3818147.92	1.12E-05	4.71E-05	4.24E-06	9.34E-06	3.46E-05	3.04E-06	1.06E-06	6.06E-06	7.23E-07	9.62E-07	3.17E-06	2.19E-07
4474	469903.09	3818144.39	1.13E-05	4.73E-05	4.26E-06	9.37E-06	3.47E-05	3.05E-06	1.06E-06	6.08E-06	7.26E-07	9.66E-07	3.19E-06	2.20E-07
4475	469911.99	3818140.86	1.13E-05	4.75E-05	4.28E-06	9.42E-06	3.49E-05	3.07E-06	1.07E-06	6.11E-06	7.29E-07	9.70E-07	3.20E-06	2.21E-07
4476	469920.89	3818137.34	1.14E-05	4.77E-05	4.30E-06	9.47E-06	3.51E-05	3.09E-06	1.07E-06	6.15E-06	7.33E-07	9.76E-07	3.22E-06	2.22E-07
4477	469929.79	3818133.81	1.14E-05	4.80E-05	4.33E-06	9.53E-06	3.53E-05	3.11E-06	1.08E-06	6.18E-06	7.38E-07	9.82E-07	3.24E-06	2.23E-07
4478	469938.69	3818130.29	1.15E-05	4.83E-05	4.35E-06	9.58E-06	3.55E-05	3.12E-06	1.09E-06	6.22E-06	7.42E-07	9.88E-07	3.26E-06	2.25E-07
4479	469947.59	3818126.76	1.16E-05	4.86E-05	4.38E-06	9.64E-06	3.57E-05	3.14E-06	1.09E-06	6.26E-06	7.47E-07	9.94E-07	3.28E-06	2.26E-07
4480	469956.49	3818123.24	1.17E-05	4.90E-05	4.41E-06	9.71E-06	3.60E-05	3.16E-06	1.10E-06	6.30E-06	7.52E-07	1.00E-06	3.30E-06	2.27E-07
4481	469965.39	3818119.71	1.17E-05	4.93E-05	4.44E-06	9.78E-06	3.62E-05	3.19E-06	1.11E-06	6.35E-06	7.57E-07	1.01E-06	3.32E-06	2.29E-07
4482	469974.29	3818116.19	1.18E-05	4.96E-05	4.47E-06	9.84E-06	3.65E-05	3.21E-06	1.12E-06	6.39E-06	7.62E-07	1.01E-06	3.34E-06	2.31E-07
4483	469983.19	3818112.66	1.19E-05	4.99E-05	4.50E-06	9.91E-06	3.67E-05	3.23E-06	1.12E-06	6.43E-06	7.67E-07	1.02E-06	3.37E-06	2.32E-07
4484	469992.09	3818109.14	1.20E-05	5.03E-05	4.53E-06	9.97E-06	3.69E-05	3.25E-06	1.13E-06	6.47E-06	7.72E-07	1.03E-06	3.39E-06	2.34E-07
4485	470001	3818105.61	1.21E-05	5.06E-05	4.56E-06	1.00E-05	3.72E-05	3.27E-06	1.14E-06	6.52E-06	7.78E-07	1.03E-06	3.41E-06	2.35E-07
4486	470009.9	3818102.09	1.21E-05	5.10E-05	4.59E-06	1.01E-05	3.75E-05	3.29E-06	1.15E-06	6.56E-06	7.83E-07	1.04E-06	3.44E-06	2.37E-07
4487	470018.8	3818098.56	1.22E-05	5.13E-05	4.62E-06	1.02E-05	3.77E-05	3.31E-06	1.15E-06	6.60E-06	7.88E-07	1.05E-06	3.46E-06	2.38E-07
4488	470045.5	3818087.99	1.24E-05	5.19E-05	4.67E-06	1.03E-05	3.81E-05	3.35E-06	1.17E-06	6.68E-06	7.97E-07	1.06E-06	3.50E-06	2.41E-07
4489	470054.4	3818084.46	1.24E-05	5.20E-05	4.69E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.70E-06	7.99E-07	1.06E-06	3.51E-06	2.42E-07
4490	470063.3	3818080.93	1.24E-05	5.21E-05	4.69E-06	1.03E-05	3.83E-05	3.37E-06	1.17E-06	6.71E-06	8.01E-07	1.07E-06	3.51E-06	2.42E-07
4491	470072.2	3818077.41	1.24E-05	5.22E-05	4.70E-06	1.03E-05	3.83E-05	3.37E-06	1.17E-06	6.71E-06	8.01E-07	1.07E-06	3.52E-06	2.42E-07
4492	470081.1	3818073.88	1.24E-05	5.22E-05	4.70E-06	1.03E-05	3.83E-05	3.37E-06	1.17E-06	6.71E-06	8.01E-07	1.07E-06	3.52E-06	2.42E-07
4493	470090	3818070.36	1.24E-05	5.21E-05	4.69E-06	1.03E-05	3.83E-05	3.37E-06	1.17E-06	6.71E-06	8.01E-07	1.07E-06	3.51E-06	2.42E-07
4494	470098.91	3818066.83	1.24E-05	5.20E-05	4.68E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.70E-06	7.99E-07	1.06E-06	3.51E-06	2.42E-07
4495	470107.81	3818063.31	1.23E-05	5.18E-05	4.67E-06	1.03E-05	3.81E-05	3.35E-06	1.17E-06	6.67E-06	7.96E-07	1.06E-06	3.49E-06	2.41E-07
4496	470116.71	3818059.78	1.23E-05	5.16E-05	4.65E-06	1.02E-05	3.79E-05	3.34E-06	1.16E-06	6.65E-06	7.93E-07	1.06E-06	3.48E-06	2.40E-07
4497	468928.8	3819231.81	3.47E-06	1.46E-05	1.31E-06	2.89E-06	1.07E-05	9.43E-07	3.28E-07	1.88E-06	2.24E-07	2.98E-07	9.83E-07	6.78E-08
4498	468928.61	3819241.46	3.53E-06	1.48E-05	1.34E-06	2.94E-06	1.09E-05	9.59E-07	3.33E-07	1.91E-06	2.28E-07	3.03E-07	9.99E-07	6.89E-08
4499	468928.41	3819251.11	3.59E-06	1.51E-05	1.36E-06	2.99E-06	1.11E-05	9.74E-07	3.39E-07	1.94E-06	2.31E-07	3.08E-07	1.02E-06	7.00E-08
4500	468928.22	3819260.76	3.65E-06	1.53E-05	1.38E-06	3.04E-06	1.13E-05	9.90E-07	3.44E-07	1.97E-06	2.35E-07	3.13E-07	1.03E-06	7.11E-08
4501	468928.03	3819270.41	3.71E-06	1.56E-05	1.40E-06	3.09E-06	1.14E-05	1.01E-06	3.50E-07	2.01E-06	2.39E-07	3.18E-07	1.05E-06	7.24E-08
4502	468927.83	3819280.06	3.77E-06	1.58E-05	1.42E-06	3.14E-06	1.16E-05	1.02E-06	3.56E-07	2.04E-06	2.43E-07	3.23E-07	1.07E-06	7.35E-08
4503	468927.64	3819289.7	3.82E-06	1.60E-05	1.44E-06	3.18E-06	1.18E-05	1.04E-06	3.61E-07	2.06E-06	2.46E-07	3.28E-07	1.08E-06	7.45E-08
4504	468927.45	3819299.35	3.87E-06	1.63E-05	1.46E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.09E-06	2.50E-07	3.32E-07	1.10E-06	7.56E-08
4505	468927.25	3819309	3.93E-06	1.65E-05	1.48E-06	3.27E-06	1.21E-05	1.07E-06	3.71E-07	2.12E-06	2.53E-07	3.37E-07	1.11E-06	7.66E-08
4506	468927.06	3819318.65	3.97E-06	1.67E-05	1.50E-06	3.31E-06	1.23E-05	1.08E-06	3.75E-07	2.15E-06	2.56E-07	3.41E-07	1.12E-06	7.75E-08
4507	468926.87	3819328.3	4.02E-06	1.69E-05	1.52E-06	3.35E-06	1.24E-05	1.09E-06	3.80E-07	2.17E-06	2.59E-07	3.45E-07	1.14E-06	7.85E-08
4508	468926.68	3819337.94	4.07E-06	1.71E-05	1.54E-06	3.39E-06	1.26E-05	1.10E-06	3.84E-07	2.20E-06	2.62E-07	3.49E-07	1.15E-06	7.94E-08
4509	468926.48	3819347.59	4.11E-06	1.73E-05	1.56E-06	3.43E-06	1.27E-05	1.12E-06	3.88E-07	2.22E-06	2.65E-07	3.53E-07	1.16E-06	8.03E-08
4510	468926.29	3819357.24	4.15E-06	1.74E-05	1.57E-06	3.46E-06	1.28E-05	1.13E-06	3.92E-07	2.24E-06	2.68E-07	3.56E-07	1.18E-06	8.10E-08
4511	468926.1	3819366.89	4.19E-06	1.76E-05	1.58E-06	3.49E-06	1.29E-05	1.14E-06	3.96E-07	2.27E-06	2.70E-07	3.60E-07	1.19E-06	8.18E-08
4512	468925.9	3819376.54	4.22E-06	1.77E-05	1.60E-06	3.52E-06	1.30E-05	1.15E-06	3.99E-07	2.28E-06	2.72E-07	3.63E-07	1.20E-06	8.24E-08
4513	468925.71	3819386.19	4.26E-06	1.79E-05	1.61E-06	3.55E-06	1.31E-05	1.16E-06	4.02E-07	2.30E-06	2.75E-07	3.65E-07	1.21E-06	8.31E-08
4514	468925.52	3819395.83	4.29E-06	1.80E-05	1.62E-06	3.57E-06	1.32E-05	1.16E-06	4.05E-07	2.32E-06	2.77E-07	3.68E-07	1.21E-06	8.37E-08
4515	468925.32	3819405.48	4.32E-06	1.81E-05	1.63E-06	3.60E-06	1.33E-05	1.17E-06	4.08E-07	2.34E-06	2.79E-07	3.71E-07	1.22E-06	8.43E-08
4516	468925.13	3819415.13	4.35E-06	1.83E-05	1.65E-06	3.63E-06	1.34E-05	1.18E-06	4.11E-07	2.35E-06	2.81E-07	3.74E-07	1.23E-06	8.50E-08
4517	468924.94	3819424.78	4.39E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.14E-07	2.37E-06	2.83E-07	3.77E-07	1.24E-06	8.56E-08
4518	469075.84	3818691.24	4.54E-06	1.91E-05	1.72E-06	3.78E-06	1.40E-05	1.23E-06	4.29E-07	2.45E-06	2.93E-07	3.90E-07	1.29E-06	8.86E-08
4519	469079.68	3818682.43	4.61E-06	1.94E-05	1.74E-06	3.84E-06	1.42E-05	1.25E-06	4.35E-07	2.49E-06	2.97E-07	3.96E-07	1.30E-06	8.99E-08
4520	469083.52	3818673.62	4.68E-06	1.97E-05	1.77E-06	3.90E-06	1.44E-05	1.27E-06	4.42E-07	2.53E-06	3.02E-07	4.02E-07	1.32E-06	9.13E-08
4521	469087.36	3818664.82	4.75E-06	1.99E-05	1.80E-06	3.95E-06	1.47E-05	1.29E-06	4.48E-07	2.57E-06	3.06E-07	4.08E-07	1.34E-06	9.26E-08
4522	469091.2	3818656.01	4.81E-06	2.02E-05	1.82E-06	4.01E-06	1.48E-05	1.31E-06	4.54E-07	2.60E-06	3.10E-07	4.13E-07	1.36E-06	9.39E-08

4523	469095.05	3818647.2	4.87E-06	2.05E-05	1.84E-06	4.06E-06	1.50E-05	1.32E-06	4.60E-07	2.63E-06	3.14E-07	4.18E-07	1.38E-06	9.51E-08
4524	469098.89	3818638.39	4.93E-06	2.07E-05	1.86E-06	4.11E-06	1.52E-05	1.34E-06	4.66E-07	2.67E-06	3.18E-07	4.23E-07	1.40E-06	9.62E-08
4525	469102.73	3818629.58	4.99E-06	2.10E-05	1.89E-06	4.16E-06	1.54E-05	1.35E-06	4.71E-07	2.70E-06	3.22E-07	4.28E-07	1.41E-06	9.73E-08
4526	469106.57	3818620.78	5.04E-06	2.12E-05	1.91E-06	4.20E-06	1.56E-05	1.37E-06	4.76E-07	2.73E-06	3.25E-07	4.33E-07	1.43E-06	9.84E-08
4527	469137.3	3818550.31	5.33E-06	2.24E-05	2.02E-06	4.44E-06	1.64E-05	1.45E-06	5.03E-07	2.88E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
4528	469141.14	3818541.5	5.35E-06	2.25E-05	2.02E-06	4.46E-06	1.65E-05	1.45E-06	5.06E-07	2.89E-06	3.45E-07	4.60E-07	1.52E-06	1.04E-07
4529	469144.98	3818532.69	5.37E-06	2.26E-05	2.03E-06	4.48E-06	1.66E-05	1.46E-06	5.07E-07	2.90E-06	3.47E-07	4.61E-07	1.52E-06	1.05E-07
4530	469148.82	3818523.89	5.39E-06	2.26E-05	2.04E-06	4.49E-06	1.66E-05	1.46E-06	5.09E-07	2.92E-06	3.48E-07	4.63E-07	1.53E-06	1.05E-07
4531	469152.66	3818515.08	5.41E-06	2.27E-05	2.04E-06	4.50E-06	1.67E-05	1.47E-06	5.11E-07	2.92E-06	3.49E-07	4.64E-07	1.53E-06	1.06E-07
4532	469156.51	3818506.27	5.42E-06	2.28E-05	2.05E-06	4.52E-06	1.67E-05	1.47E-06	5.12E-07	2.93E-06	3.50E-07	4.65E-07	1.53E-06	1.06E-07
4533	469160.35	3818497.46	5.43E-06	2.28E-05	2.05E-06	4.52E-06	1.68E-05	1.47E-06	5.13E-07	2.94E-06	3.50E-07	4.66E-07	1.54E-06	1.06E-07
4534	469164.19	3818488.65	5.45E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.14E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
4535	469168.03	3818479.85	5.46E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.15E-07	2.95E-06	3.52E-07	4.68E-07	1.54E-06	1.06E-07
4536	469171.87	3818471.04	5.46E-06	2.30E-05	2.07E-06	4.55E-06	1.69E-05	1.48E-06	5.16E-07	2.95E-06	3.52E-07	4.69E-07	1.55E-06	1.07E-07
4537	469175.71	3818462.23	5.47E-06	2.30E-05	2.07E-06	4.56E-06	1.69E-05	1.49E-06	5.17E-07	2.96E-06	3.53E-07	4.70E-07	1.55E-06	1.07E-07
4538	469179.55	3818453.42	5.49E-06	2.31E-05	2.08E-06	4.57E-06	1.69E-05	1.49E-06	5.18E-07	2.97E-06	3.54E-07	4.71E-07	1.55E-06	1.07E-07
4539	469183.39	3818444.61	5.50E-06	2.31E-05	2.08E-06	4.58E-06	1.70E-05	1.49E-06	5.20E-07	2.98E-06	3.55E-07	4.72E-07	1.56E-06	1.07E-07
4540	469187.24	3818435.81	5.51E-06	2.31E-05	2.08E-06	4.59E-06	1.70E-05	1.50E-06	5.20E-07	2.98E-06	3.55E-07	4.73E-07	1.56E-06	1.07E-07
4541	469191.08	3818427	5.52E-06	2.32E-05	2.09E-06	4.60E-06	1.70E-05	1.50E-06	5.21E-07	2.98E-06	3.56E-07	4.74E-07	1.56E-06	1.08E-07
4542	469206.44	3818391.77	5.59E-06	2.35E-05	2.11E-06	4.65E-06	1.72E-05	1.52E-06	5.27E-07	3.02E-06	3.60E-07	4.79E-07	1.58E-06	1.09E-07
4543	469210.28	3818382.96	5.60E-06	2.35E-05	2.12E-06	4.67E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.59E-06	1.09E-07
4544	469214.13	3818374.15	5.62E-06	2.36E-05	2.13E-06	4.68E-06	1.74E-05	1.53E-06	5.31E-07	3.04E-06	3.63E-07	4.83E-07	1.59E-06	1.10E-07
4545	469217.97	3818365.34	5.65E-06	2.37E-05	2.14E-06	4.70E-06	1.74E-05	1.53E-06	5.33E-07	3.05E-06	3.64E-07	4.85E-07	1.60E-06	1.10E-07
4546	469221.81	3818356.53	5.67E-06	2.38E-05	2.15E-06	4.72E-06	1.75E-05	1.54E-06	5.36E-07	3.07E-06	3.66E-07	4.87E-07	1.61E-06	1.11E-07
4547	469225.65	3818347.72	5.71E-06	2.40E-05	2.16E-06	4.75E-06	1.76E-05	1.55E-06	5.39E-07	3.08E-06	3.68E-07	4.90E-07	1.61E-06	1.11E-07
4548	469229.49	3818338.92	5.73E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.41E-07	3.10E-06	3.70E-07	4.92E-07	1.62E-06	1.12E-07
4549	469242.27	3818326.57	5.85E-06	2.46E-05	2.21E-06	4.88E-06	1.81E-05	1.59E-06	5.53E-07	3.16E-06	3.78E-07	5.03E-07	1.66E-06	1.14E-07
4550	469251.2	3818323.03	5.96E-06	2.50E-05	2.25E-06	4.96E-06	1.84E-05	1.62E-06	5.62E-07	3.22E-06	3.84E-07	5.11E-07	1.69E-06	1.16E-07
4551	469260.13	3818319.49	6.06E-06	2.54E-05	2.29E-06	5.04E-06	1.87E-05	1.64E-06	5.72E-07	3.27E-06	3.91E-07	5.20E-07	1.71E-06	1.18E-07
4552	469269.07	3818315.95	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.81E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
4553	469278	3818312.42	6.26E-06	2.63E-05	2.37E-06	5.21E-06	1.93E-05	1.70E-06	5.91E-07	3.38E-06	4.04E-07	5.37E-07	1.77E-06	1.22E-07
4554	469286.94	3818308.88	6.35E-06	2.67E-05	2.40E-06	5.29E-06	1.96E-05	1.73E-06	6.00E-07	3.44E-06	4.10E-07	5.46E-07	1.80E-06	1.24E-07
4555	469295.87	3818305.34	6.46E-06	2.71E-05	2.44E-06	5.38E-06	1.99E-05	1.75E-06	6.10E-07	3.49E-06	4.16E-07	5.54E-07	1.83E-06	1.26E-07
4556	469304.8	3818301.8	6.55E-06	2.75E-05	2.48E-06	5.46E-06	2.02E-05	1.78E-06	6.19E-07	3.54E-06	4.23E-07	5.62E-07	1.85E-06	1.28E-07
4557	469313.74	3818298.26	6.64E-06	2.79E-05	2.51E-06	5.53E-06	2.05E-05	1.80E-06	6.27E-07	3.59E-06	4.29E-07	5.70E-07	1.88E-06	1.30E-07
4558	469322.67	3818294.72	6.73E-06	2.83E-05	2.55E-06	5.61E-06	2.08E-05	1.83E-06	6.36E-07	3.64E-06	4.34E-07	5.78E-07	1.91E-06	1.31E-07
4559	469331.61	3818291.19	6.82E-06	2.86E-05	2.58E-06	5.68E-06	2.11E-05	1.85E-06	6.44E-07	3.69E-06	4.40E-07	5.86E-07	1.93E-06	1.33E-07
4560	469340.54	3818287.65	6.90E-06	2.90E-05	2.61E-06	5.75E-06	2.13E-05	1.87E-06	6.52E-07	3.73E-06	4.45E-07	5.93E-07	1.95E-06	1.35E-07
4561	469349.47	3818284.11	6.98E-06	2.93E-05	2.64E-06	5.81E-06	2.15E-05	1.89E-06	6.59E-07	3.77E-06	4.50E-07	5.99E-07	1.98E-06	1.36E-07
4562	469358.41	3818280.57	7.06E-06	2.96E-05	2.67E-06	5.88E-06	2.18E-05	1.92E-06	6.66E-07	3.82E-06	4.55E-07	6.06E-07	2.00E-06	1.38E-07
4563	469367.34	3818277.03	7.12E-06	2.99E-05	2.69E-06	5.93E-06	2.20E-05	1.93E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
4564	469376.28	3818273.49	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.04E-06	1.40E-07
4565	469385.21	3818269.96	7.25E-06	3.04E-05	2.74E-06	6.04E-06	2.24E-05	1.97E-06	6.85E-07	3.92E-06	4.68E-07	6.22E-07	2.05E-06	1.41E-07
4566	469394.14	3818266.42	7.31E-06	3.07E-05	2.76E-06	6.09E-06	2.25E-05	1.98E-06	6.90E-07	3.95E-06	4.71E-07	6.27E-07	2.07E-06	1.43E-07
4567	469403.08	3818262.88	7.37E-06	3.10E-05	2.79E-06	6.14E-06	2.27E-05	2.00E-06	6.96E-07	3.98E-06	4.75E-07	6.33E-07	2.09E-06	1.44E-07
4568	469412.01	3818259.34	7.43E-06	3.12E-05	2.81E-06	6.19E-06	2.29E-05	2.02E-06	7.01E-07	4.02E-06	4.79E-07	6.38E-07	2.10E-06	1.45E-07
4569	469420.95	3818255.8	7.49E-06	3.14E-05	2.83E-06	6.23E-06	2.31E-05	2.03E-06	7.07E-07	4.05E-06	4.83E-07	6.43E-07	2.12E-06	1.46E-07
4570	469429.88	3818252.26	7.53E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.11E-07	4.07E-06	4.86E-07	6.46E-07	2.13E-06	1.47E-07
4571	469438.81	3818248.72	7.57E-06	3.18E-05	2.86E-06	6.31E-06	2.34E-05	2.06E-06	7.15E-07	4.09E-06	4.88E-07	6.50E-07	2.14E-06	1.48E-07
4572	469447.75	3818245.19	7.62E-06	3.20E-05	2.88E-06	6.34E-06	2.35E-05	2.07E-06	7.19E-07	4.12E-06	4.91E-07	6.54E-07	2.16E-06	1.49E-07
4573	469456.68	3818241.65	7.66E-06	3.22E-05	2.90E-06	6.38E-06	2.36E-05	2.08E-06	7.23E-07	4.14E-06	4.94E-07	6.57E-07	2.17E-06	1.49E-07
4574	469465.62	3818238.11	7.70E-06	3.23E-05	2.91E-06	6.42E-06	2.38E-05	2.09E-06	7.27E-07	4.16E-06	4.97E-07	6.61E-07	2.18E-06	1.50E-07
4575	469474.55	3818234.57	7.74E-06	3.25E-05	2.93E-06	6.45E-06	2.39E-05	2.10E-06	7.31E-07	4.18E-06	4.99E-07	6.64E-07	2.19E-06	1.51E-07
4576	469483.49	3818231.03	7.79E-06	3.27E-05	2.95E-06	6.49E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.69E-07	2.20E-06	1.52E-07
4577	469492.42	3818227.49	7.85E-06	3.30E-05	2.97E-06	6.54E-06	2.42E-05	2.13E-06	7.41E-07	4.24E-06	5.06E-07	6.74E-07	2.22E-06	1.53E-07
4578	469501.35	3818223.96	7.90E-06	3.32E-05	2.99E-06	6.58E-06	2.44E-05	2.15E-06	7.46E-07	4.27E-06	5.10E-07	6.79E-07	2.24E-06	1.54E-07
4579	469510.29	3818220.42	7.97E-06	3.35E-05	3.01E-06	6.64E-06	2.46E-05	2.16E-06	7.52E-07	4.31E-06	5.14E-07	6.84E-07	2.25E-06	1.55E-07
4580	469519.22	3818216.88	8.01E-06	3.37E-05	3.03E-06	6.68E-06	2.47E-05	2.18E-06	7.57E-07	4.33E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
4581	469528.16	3818213.34	8.07E-06	3.39E-05	3.05E-06	6.72E-06	2.49E-05	2.19E-06	7.62E-07	4.36E-06	5.20E-07	6.93E-07	2.28E-06	1.57E-07
4582	469537.09	3818209.8	8.13E-06	3.41E-05	3.07E-06	6.77E-06	2.51E-05	2.21E-06	7.67E-07	4.39E-06	5.24E-07	6.98E-07	2.30E-06	1.59E-07
4583	469546.02	3818206.26	8.18E-06	3.44E-05	3.09E-06	6.82E-06	2.53E-05	2.22E-06	7.73E-07	4.42E-06	5.28E-07	7.02E-07	2.32E-06	1.60E-07
4584	469554.96	3818202.73	8.24E-06	3.46E-05	3.12E-06	6.86E-06	2.54E-05	2.24E-06	7.78E-07	4.45E-06	5.32E-07	7.07E-07	2.33E-06	1.61E-07
4585	469563.89	3818199.19	8.30E-06	3.49E-05	3.14E-06	6.92E-06	2.56E-05	2.25E-06	7.84E-07	4.49E-06	5.36E-07	7.13E-07	2.35E-06	1.62E-07
4586	469572.83	3818195.65	8.37E-06	3.51E-05	3.16E-06	6.97E-06	2.58E-05	2.27E-06	7.90E-07	4.52E-06	5.40E-07	7.18E-07	2.37E-06	1.63E-07
4587	469581.76	3818192.11	8.44E-06	3.55E-05	3.19E-06	7.03E-06	2.61E-05	2.29E-06	7.97E-07	4.56E-06	5.45E-07	7.25E-07	2.39E-06	1.65E-07
4588	469590.69	3818188.57	8.51E-06	3.58E-05	3.22E-06	7.09E-06	2.63E-05	2.31E-06	8.04E-07	4.60E-06	5.49E-07	7.31E-07	2.41E-06	1.66E-07
4589	469599.63	3818185.03	8.59E-06	3.61E-05	3.25E-06	7.16E-06	2.65E-05	2.33E-06	8.11E-07	4.64E-06	5.54E-07	7.38E-07	2.43E-06	1.68E-07
4590	469608.56	3818181.49	8.65E-06	3.63E-05	3.27E-06	7.21E-06	2.67E-05	2.35E-06	8.17E-07	4.68E-06	5.58E-07	7.43E-07	2.45E-06	1.69E-07
4591	469617.5	3818177.96	8.72E-06	3.66E-05	3.30E-06	7.26E-06	2.69E-05	2.37E-06	8.24E-07	4.71E-06	5.63E-07	7.49E-07	2.47E-06	1.70E-07
4592	469626.43	3818174.42	8.78E-06	3.69E-05	3.32E-06	7.32E-06	2.71E-05	2.38E-06	8.29E-07	4.75E-06	5.67E-07	7.54E-07	2.49E-06	1.71E-07
4593	469635.36	3818170.88	8.85E-06	3.72E-05	3.35E-06	7.37E-06	2.73E-05	2.40E-06	8.36E-07	4.79E-06	5.71E-07	7.60E-07	2.51E-06	1.73E-07
4594	469644.3	3818167.34	8.91E-06	3.74E-05	3.37E-06	7.42E-06	2.75E-05	2.42E-06	8.42E-07	4.82E-06	5.75E-07	7.65E-07	2.52E-06	1.74E-07
4595	469653.23	3818163.8	8.98E-06	3.77E-05	3.39E-06	7.48E-06	2.77E-05	2.44E-06	8.48E-07	4.85E-06	5.79E-07	7.71E-07	2.54E-06	1.75E-07

4596	469662.17	3818160.26	9.04E-06	3.80E-05	3.42E-06	7.53E-06	2.79E-05	2.45E-06	8.54E-07	4.89E-06	5.83E-07	7.76E-07	2.56E-06	1.76E-07
4597	469671.1	3818156.73	9.10E-06	3.82E-05	3.44E-06	7.58E-06	2.81E-05	2.47E-06	8.59E-07	4.92E-06	5.87E-07	7.81E-07	2.58E-06	1.78E-07
4598	469680.03	3818153.19	9.16E-06	3.85E-05	3.46E-06	7.63E-06	2.83E-05	2.49E-06	8.65E-07	4.95E-06	5.91E-07	7.86E-07	2.59E-06	1.79E-07
4599	469715.77	3818139.03	9.37E-06	3.94E-05	3.54E-06	7.81E-06	2.89E-05	2.54E-06	8.85E-07	5.07E-06	6.04E-07	8.04E-07	2.65E-06	1.83E-07
4600	469724.7	3818135.49	9.41E-06	3.95E-05	3.56E-06	7.84E-06	2.91E-05	2.56E-06	8.89E-07	5.09E-06	6.07E-07	8.08E-07	2.66E-06	1.84E-07
4601	469733.64	3818131.96	9.45E-06	3.97E-05	3.57E-06	7.87E-06	2.92E-05	2.56E-06	8.92E-07	5.11E-06	6.09E-07	8.11E-07	2.67E-06	1.84E-07
4602	469742.57	3818128.42	9.48E-06	3.98E-05	3.59E-06	7.90E-06	2.93E-05	2.57E-06	8.95E-07	5.13E-06	6.12E-07	8.14E-07	2.68E-06	1.85E-07
4603	469751.51	3818124.88	9.51E-06	3.99E-05	3.60E-06	7.92E-06	2.93E-05	2.58E-06	8.98E-07	5.14E-06	6.13E-07	8.16E-07	2.69E-06	1.86E-07
4604	469760.44	3818121.34	9.54E-06	4.01E-05	3.61E-06	7.95E-06	2.95E-05	2.59E-06	9.01E-07	5.16E-06	6.16E-07	8.19E-07	2.70E-06	1.86E-07
4605	469769.37	3818117.8	9.57E-06	4.02E-05	3.62E-06	7.97E-06	2.95E-05	2.60E-06	9.04E-07	5.18E-06	6.17E-07	8.22E-07	2.71E-06	1.87E-07
4606	469778.31	3818114.26	9.60E-06	4.03E-05	3.63E-06	8.00E-06	2.96E-05	2.61E-06	9.07E-07	5.19E-06	6.19E-07	8.24E-07	2.72E-06	1.87E-07
4607	469787.24	3818110.73	9.63E-06	4.04E-05	3.64E-06	8.02E-06	2.97E-05	2.61E-06	9.09E-07	5.20E-06	6.21E-07	8.26E-07	2.72E-06	1.88E-07
4608	469796.18	3818107.19	9.65E-06	4.05E-05	3.65E-06	8.03E-06	2.98E-05	2.62E-06	9.11E-07	5.21E-06	6.22E-07	8.28E-07	2.73E-06	1.88E-07
4609	469805.11	3818103.65	9.67E-06	4.06E-05	3.66E-06	8.05E-06	2.98E-05	2.62E-06	9.13E-07	5.23E-06	6.24E-07	8.30E-07	2.74E-06	1.89E-07
4610	469814.05	3818100.11	9.70E-06	4.07E-05	3.67E-06	8.08E-06	2.99E-05	2.63E-06	9.16E-07	5.24E-06	6.26E-07	8.33E-07	2.75E-06	1.89E-07
4611	469822.98	3818096.57	9.72E-06	4.08E-05	3.68E-06	8.10E-06	3.00E-05	2.64E-06	9.18E-07	5.26E-06	6.27E-07	8.35E-07	2.75E-06	1.90E-07
4612	469831.91	3818093.03	9.75E-06	4.09E-05	3.69E-06	8.12E-06	3.01E-05	2.65E-06	9.20E-07	5.27E-06	6.29E-07	8.37E-07	2.76E-06	1.90E-07
4613	469840.85	3818089.5	9.78E-06	4.11E-05	3.70E-06	8.14E-06	3.02E-05	2.65E-06	9.23E-07	5.28E-06	6.30E-07	8.39E-07	2.77E-06	1.91E-07
4614	469849.78	3818085.96	9.79E-06	4.11E-05	3.70E-06	8.16E-06	3.02E-05	2.66E-06	9.25E-07	5.29E-06	6.32E-07	8.41E-07	2.77E-06	1.91E-07
4615	469858.72	3818082.42	9.82E-06	4.13E-05	3.72E-06	8.18E-06	3.03E-05	2.67E-06	9.28E-07	5.31E-06	6.34E-07	8.43E-07	2.78E-06	1.92E-07
4616	469867.65	3818078.88	9.85E-06	4.14E-05	3.73E-06	8.21E-06	3.04E-05	2.67E-06	9.30E-07	5.33E-06	6.35E-07	8.46E-07	2.79E-06	1.92E-07
4617	469876.58	3818075.34	9.89E-06	4.15E-05	3.74E-06	8.24E-06	3.05E-05	2.68E-06	9.34E-07	5.35E-06	6.38E-07	8.49E-07	2.80E-06	1.93E-07
4618	469885.52	3818071.8	9.93E-06	4.17E-05	3.76E-06	8.27E-06	3.07E-05	2.70E-06	9.38E-07	5.37E-06	6.41E-07	8.53E-07	2.81E-06	1.94E-07
4619	469894.45	3818068.26	9.98E-06	4.19E-05	3.77E-06	8.31E-06	3.08E-05	2.71E-06	9.42E-07	5.39E-06	6.44E-07	8.57E-07	2.82E-06	1.95E-07
4620	469903.39	3818064.73	1.00E-05	4.21E-05	3.79E-06	8.35E-06	3.09E-05	2.72E-06	9.47E-07	5.42E-06	6.47E-07	8.61E-07	2.84E-06	1.96E-07
4621	469912.32	3818061.19	1.01E-05	4.23E-05	3.81E-06	8.39E-06	3.11E-05	2.74E-06	9.52E-07	5.45E-06	6.50E-07	8.65E-07	2.85E-06	1.97E-07
4622	469921.25	3818057.65	1.01E-05	4.26E-05	3.84E-06	8.45E-06	3.13E-05	2.75E-06	9.58E-07	5.48E-06	6.54E-07	8.71E-07	2.87E-06	1.98E-07
4623	469930.19	3818054.11	1.02E-05	4.29E-05	3.86E-06	8.51E-06	3.15E-05	2.77E-06	9.65E-07	5.52E-06	6.59E-07	8.77E-07	2.89E-06	1.99E-07
4624	469939.12	3818050.57	1.03E-05	4.31E-05	3.88E-06	8.56E-06	3.17E-05	2.79E-06	9.70E-07	5.55E-06	6.62E-07	8.82E-07	2.91E-06	2.00E-07
4625	469948.06	3818047.03	1.03E-05	4.34E-05	3.90E-06	8.60E-06	3.19E-05	2.80E-06	9.75E-07	5.58E-06	6.66E-07	8.86E-07	2.92E-06	2.01E-07
4626	469956.99	3818043.5	1.04E-05	4.36E-05	3.93E-06	8.65E-06	3.20E-05	2.82E-06	9.80E-07	5.61E-06	6.70E-07	8.91E-07	2.94E-06	2.03E-07
4627	469965.92	3818039.96	1.04E-05	4.39E-05	3.95E-06	8.70E-06	3.22E-05	2.84E-06	9.87E-07	5.65E-06	6.74E-07	8.97E-07	2.96E-06	2.04E-07
4628	469974.86	3818036.42	1.05E-05	4.42E-05	3.98E-06	8.76E-06	3.25E-05	2.86E-06	9.94E-07	5.69E-06	6.79E-07	9.03E-07	2.98E-06	2.05E-07
4629	469983.79	3818032.88	1.06E-05	4.45E-05	4.01E-06	8.83E-06	3.27E-05	2.88E-06	1.00E-06	5.73E-06	6.84E-07	9.10E-07	3.00E-06	2.07E-07
4630	469992.73	3818029.34	1.07E-05	4.48E-05	4.04E-06	8.89E-06	3.29E-05	2.90E-06	1.01E-06	5.77E-06	6.89E-07	9.16E-07	3.02E-06	2.08E-07
4631	470001.66	3818025.8	1.07E-05	4.51E-05	4.06E-06	8.94E-06	3.31E-05	2.91E-06	1.01E-06	5.80E-06	6.93E-07	9.22E-07	3.04E-06	2.10E-07
4632	470010.59	3818022.27	1.08E-05	4.54E-05	4.08E-06	9.00E-06	3.33E-05	2.93E-06	1.02E-06	5.84E-06	6.97E-07	9.27E-07	3.06E-06	2.11E-07
4633	470019.53	3818018.73	1.09E-05	4.56E-05	4.11E-06	9.05E-06	3.35E-05	2.95E-06	1.03E-06	5.87E-06	7.01E-07	9.32E-07	3.07E-06	2.12E-07
4634	470046.33	3818008.11	1.10E-05	4.62E-05	4.16E-06	9.17E-06	3.40E-05	2.99E-06	1.04E-06	5.95E-06	7.10E-07	9.45E-07	3.12E-06	2.15E-07
4635	470055.26	3818004.57	1.10E-05	4.64E-05	4.18E-06	9.20E-06	3.41E-05	3.00E-06	1.04E-06	5.97E-06	7.12E-07	9.48E-07	3.13E-06	2.15E-07
4636	470064.2	3818001.03	1.11E-05	4.65E-05	4.19E-06	9.22E-06	3.42E-05	3.00E-06	1.05E-06	5.98E-06	7.14E-07	9.50E-07	3.13E-06	2.16E-07
4637	470073.13	3817997.5	1.11E-05	4.65E-05	4.19E-06	9.23E-06	3.42E-05	3.01E-06	1.05E-06	5.99E-06	7.15E-07	9.52E-07	3.14E-06	2.16E-07
4638	470082.07	3817993.96	1.11E-05	4.66E-05	4.20E-06	9.24E-06	3.42E-05	3.01E-06	1.05E-06	6.00E-06	7.16E-07	9.52E-07	3.14E-06	2.16E-07
4639	470091	3817990.42	1.11E-05	4.66E-05	4.20E-06	9.24E-06	3.42E-05	3.01E-06	1.05E-06	6.00E-06	7.16E-07	9.52E-07	3.14E-06	2.16E-07
4640	470099.93	3817986.88	1.11E-05	4.65E-05	4.19E-06	9.22E-06	3.42E-05	3.01E-06	1.05E-06	5.99E-06	7.14E-07	9.51E-07	3.13E-06	2.16E-07
4641	470108.87	3817983.34	1.10E-05	4.64E-05	4.18E-06	9.20E-06	3.41E-05	3.00E-06	1.04E-06	5.97E-06	7.12E-07	9.48E-07	3.13E-06	2.16E-07
4642	470117.8	3817979.8	1.10E-05	4.62E-05	4.16E-06	9.16E-06	3.39E-05	2.99E-06	1.04E-06	5.95E-06	7.10E-07	9.44E-07	3.11E-06	2.15E-07
4643	468848.82	3819230.21	3.08E-06	1.29E-05	1.16E-06	2.56E-06	9.50E-06	8.36E-07	2.91E-07	1.66E-06	1.99E-07	2.64E-07	8.71E-07	6.01E-08
4644	468848.62	3819239.86	3.13E-06	1.32E-05	1.18E-06	2.61E-06	9.66E-06	8.50E-07	2.96E-07	1.69E-06	2.02E-07	2.69E-07	8.86E-07	6.11E-08
4645	468848.43	3819249.51	3.19E-06	1.34E-05	1.21E-06	2.66E-06	9.84E-06	8.66E-07	3.01E-07	1.72E-06	2.06E-07	2.74E-07	9.03E-07	6.22E-08
4646	468848.24	3819259.16	3.24E-06	1.36E-05	1.23E-06	2.70E-06	1.00E-05	8.80E-07	3.06E-07	1.75E-06	2.09E-07	2.78E-07	9.18E-07	6.33E-08
4647	468848.04	3819268.81	3.29E-06	1.38E-05	1.24E-06	2.74E-06	1.02E-05	8.93E-07	3.11E-07	1.78E-06	2.12E-07	2.82E-07	9.31E-07	6.42E-08
4648	468847.85	3819278.45	3.34E-06	1.40E-05	1.26E-06	2.78E-06	1.03E-05	9.08E-07	3.16E-07	1.81E-06	2.16E-07	2.87E-07	9.46E-07	6.52E-08
4649	468847.66	3819288.1	3.39E-06	1.42E-05	1.28E-06	2.82E-06	1.05E-05	9.21E-07	3.20E-07	1.83E-06	2.19E-07	2.91E-07	9.60E-07	6.62E-08
4650	468847.46	3819297.75	3.44E-06	1.45E-05	1.30E-06	2.87E-06	1.06E-05	9.35E-07	3.25E-07	1.86E-06	2.22E-07	2.96E-07	9.75E-07	6.72E-08
4651	468847.27	3819307.4	3.49E-06	1.46E-05	1.32E-06	2.91E-06	1.08E-05	9.47E-07	3.29E-07	1.89E-06	2.25E-07	2.99E-07	9.87E-07	6.81E-08
4652	468847.08	3819317.05	3.54E-06	1.48E-05	1.34E-06	2.95E-06	1.09E-05	9.60E-07	3.34E-07	1.91E-06	2.28E-07	3.04E-07	1.00E-06	6.90E-08
4653	468846.88	3819326.69	3.57E-06	1.50E-05	1.35E-06	2.98E-06	1.10E-05	9.70E-07	3.38E-07	1.93E-06	2.31E-07	3.07E-07	1.01E-06	6.97E-08
4654	468846.69	3819336.34	3.61E-06	1.52E-05	1.37E-06	3.01E-06	1.11E-05	9.81E-07	3.41E-07	1.95E-06	2.33E-07	3.10E-07	1.02E-06	7.05E-08
4655	468846.5	3819345.99	3.65E-06	1.53E-05	1.38E-06	3.04E-06	1.13E-05	9.90E-07	3.44E-07	1.97E-06	2.35E-07	3.13E-07	1.03E-06	7.11E-08
4656	468846.3	3819355.64	3.68E-06	1.55E-05	1.39E-06	3.07E-06	1.14E-05	9.99E-07	3.48E-07	1.99E-06	2.37E-07	3.16E-07	1.04E-06	7.18E-08
4657	468846.11	3819365.29	3.71E-06	1.56E-05	1.40E-06	3.09E-06	1.14E-05	1.01E-06	3.50E-07	2.01E-06	2.39E-07	3.18E-07	1.05E-06	7.24E-08
4658	468845.92	3819374.94	3.74E-06	1.57E-05	1.41E-06	3.11E-06	1.15E-05	1.01E-06	3.53E-07	2.02E-06	2.41E-07	3.21E-07	1.06E-06	7.29E-08
4659	468845.73	3819384.58	3.77E-06	1.58E-05	1.42E-06	3.14E-06	1.16E-05	1.02E-06	3.56E-07	2.04E-06	2.43E-07	3.23E-07	1.07E-06	7.35E-08
4660	468845.53	3819394.23	3.79E-06	1.59E-05	1.43E-06	3.16E-06	1.17E-05	1.03E-06	3.58E-07	2.05E-06	2.45E-07	3.25E-07	1.07E-06	7.40E-08
4661	468845.34	3819403.88	3.81E-06	1.60E-05	1.44E-06	3.18E-06	1.18E-05	1.04E-06	3.60E-07	2.06E-06	2.46E-07	3.27E-07	1.08E-06	7.44E-08
4662	468845.15	3819413.53	3.84E-06	1.61E-05	1.45E-06	3.20E-06	1.18E-05	1.04E-06	3.63E-07	2.08E-06	2.48E-07	3.30E-07	1.09E-06	7.49E-08
4663	468844.95	3819423.18	3.86E-06	1.62E-05	1.46E-06	3.21E-06	1.19E-05	1.05E-06	3.64E-07	2.09E-06	2.49E-07	3.31E-07	1.09E-06	7.53E-08
4664	469127.64	3818387.47	4.87E-06	2.05E-05	1.84E-06	4.06E-06	1.50E-05	1.32E-06	4.60E-07	2.63E-06	3.14E-07	4.18E-07	1.38E-06	9.51E-08
4665	469131.49	3818378.63	4.88E-06	2.05E-05	1.84E-06	4.06E-06	1.51E-05	1.32E-06	4.61E-07	2.64E-06	3.15E-07	4.19E-07	1.38E-06	9.52E-08
4666	469135.34	3818369.79	4.88E-06	2.05E-05	1.84E-06	4.06E-06	1.51E-05	1.32E-06	4.61E-07	2.64E-06	3.15E-07	4.19E-07	1.38E-06	9.52E-08
4667	469139.2	3818360.95	4.88E-06	2.05E-05	1.85E-06	4.07E-06	1.51E-05	1.33E-06	4.61E-07	2.64E-06	3.15E-07	4.19E-07	1.38E-06	9.53E-08
4668	469143.05	3818352.12	4.90E-06	2.06E-05	1.85E-06	4.08E-06	1.51E-05	1.33E-06	4.62E-07	2.65E-06	3.16E-07	4.20E-07	1.39E-06	9.56E-08

4669	469146.91	3818343.28	4.91E-06	2.06E-05	1.86E-06	4.09E-06	1.52E-05	1.33E-06	4.64E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.58E-08
4670	469150.76	3818334.44	4.93E-06	2.07E-05	1.86E-06	4.11E-06	1.52E-05	1.34E-06	4.66E-07	2.67E-06	3.18E-07	4.23E-07	1.40E-06	9.62E-08
4671	469154.61	3818325.61	4.95E-06	2.08E-05	1.87E-06	4.12E-06	1.53E-05	1.34E-06	4.67E-07	2.68E-06	3.19E-07	4.25E-07	1.40E-06	9.66E-08
4672	469158.47	3818316.77	4.97E-06	2.09E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.70E-07	2.69E-06	3.21E-07	4.27E-07	1.41E-06	9.71E-08
4673	469162.32	3818307.93	5.00E-06	2.10E-05	1.89E-06	4.16E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.22E-07	4.29E-07	1.41E-06	9.75E-08
4674	469166.18	3818299.09	5.03E-06	2.11E-05	1.90E-06	4.19E-06	1.55E-05	1.36E-06	4.75E-07	2.72E-06	3.24E-07	4.32E-07	1.42E-06	9.81E-08
4675	469170.03	3818290.26	5.05E-06	2.12E-05	1.91E-06	4.21E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.26E-07	4.34E-07	1.43E-06	9.86E-08
4676	469173.88	3818281.42	5.07E-06	2.13E-05	1.92E-06	4.22E-06	1.56E-05	1.38E-06	4.79E-07	2.74E-06	3.27E-07	4.35E-07	1.44E-06	9.89E-08
4677	469186.7	3818269.03	5.17E-06	2.17E-05	1.96E-06	4.31E-06	1.60E-05	1.40E-06	4.88E-07	2.80E-06	3.34E-07	4.44E-07	1.46E-06	1.01E-07
4678	469195.66	3818265.48	5.26E-06	2.21E-05	1.99E-06	4.38E-06	1.62E-05	1.43E-06	4.97E-07	2.84E-06	3.39E-07	4.51E-07	1.49E-06	1.03E-07
4679	469204.63	3818261.93	5.34E-06	2.24E-05	2.02E-06	4.45E-06	1.65E-05	1.45E-06	5.05E-07	2.89E-06	3.45E-07	4.59E-07	1.51E-06	1.04E-07
4680	469213.59	3818258.38	5.44E-06	2.28E-05	2.06E-06	4.53E-06	1.68E-05	1.48E-06	5.13E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
4681	469222.55	3818254.83	5.53E-06	2.32E-05	2.09E-06	4.60E-06	1.71E-05	1.50E-06	5.22E-07	2.99E-06	3.57E-07	4.75E-07	1.56E-06	1.08E-07
4682	469231.52	3818251.28	5.62E-06	2.36E-05	2.13E-06	4.68E-06	1.73E-05	1.53E-06	5.31E-07	3.04E-06	3.62E-07	4.82E-07	1.59E-06	1.10E-07
4683	469240.48	3818247.73	5.71E-06	2.40E-05	2.16E-06	4.75E-06	1.76E-05	1.55E-06	5.39E-07	3.08E-06	3.68E-07	4.90E-07	1.61E-06	1.11E-07
4684	469249.44	3818244.18	5.79E-06	2.43E-05	2.19E-06	4.82E-06	1.79E-05	1.57E-06	5.46E-07	3.13E-06	3.73E-07	4.97E-07	1.64E-06	1.13E-07
4685	469258.41	3818240.63	5.86E-06	2.46E-05	2.22E-06	4.88E-06	1.81E-05	1.59E-06	5.54E-07	3.17E-06	3.78E-07	5.03E-07	1.66E-06	1.14E-07
4686	469267.37	3818237.08	5.94E-06	2.50E-05	2.25E-06	4.95E-06	1.83E-05	1.61E-06	5.61E-07	3.21E-06	3.83E-07	5.10E-07	1.68E-06	1.16E-07
4687	469276.34	3818233.53	6.02E-06	2.53E-05	2.28E-06	5.02E-06	1.86E-05	1.63E-06	5.69E-07	3.26E-06	3.88E-07	5.17E-07	1.70E-06	1.18E-07
4688	469285.3	3818229.98	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.66E-06	5.76E-07	3.30E-06	3.93E-07	5.24E-07	1.73E-06	1.19E-07
4689	469294.26	3818226.43	6.17E-06	2.59E-05	2.33E-06	5.14E-06	1.90E-05	1.68E-06	5.83E-07	3.34E-06	3.98E-07	5.30E-07	1.75E-06	1.20E-07
4690	469303.23	3818222.88	6.24E-06	2.62E-05	2.36E-06	5.20E-06	1.93E-05	1.69E-06	5.89E-07	3.37E-06	4.02E-07	5.36E-07	1.77E-06	1.22E-07
4691	469312.19	3818219.33	6.30E-06	2.65E-05	2.38E-06	5.25E-06	1.94E-05	1.71E-06	5.95E-07	3.41E-06	4.06E-07	5.41E-07	1.78E-06	1.23E-07
4692	469321.15	3818215.78	6.36E-06	2.67E-05	2.41E-06	5.30E-06	1.96E-05	1.73E-06	6.01E-07	3.44E-06	4.10E-07	5.46E-07	1.80E-06	1.24E-07
4693	469330.12	3818212.23	6.42E-06	2.70E-05	2.43E-06	5.35E-06	1.98E-05	1.74E-06	6.06E-07	3.47E-06	4.14E-07	5.51E-07	1.82E-06	1.25E-07
4694	469339.08	3818208.68	6.47E-06	2.72E-05	2.45E-06	5.39E-06	2.00E-05	1.76E-06	6.11E-07	3.50E-06	4.17E-07	5.55E-07	1.83E-06	1.26E-07
4695	469348.04	3818205.13	6.51E-06	2.73E-05	2.46E-06	5.42E-06	2.01E-05	1.77E-06	6.15E-07	3.52E-06	4.20E-07	5.59E-07	1.84E-06	1.27E-07
4696	469357.01	3818201.58	6.55E-06	2.75E-05	2.48E-06	5.46E-06	2.02E-05	1.78E-06	6.19E-07	3.54E-06	4.23E-07	5.62E-07	1.85E-06	1.28E-07
4697	469365.97	3818198.03	6.59E-06	2.77E-05	2.49E-06	5.49E-06	2.03E-05	1.79E-06	6.22E-07	3.56E-06	4.25E-07	5.66E-07	1.87E-06	1.29E-07
4698	469374.93	3818194.48	6.63E-06	2.78E-05	2.51E-06	5.52E-06	2.05E-05	1.80E-06	6.26E-07	3.58E-06	4.28E-07	5.69E-07	1.88E-06	1.29E-07
4699	469383.9	3818190.93	6.66E-06	2.80E-05	2.52E-06	5.55E-06	2.06E-05	1.81E-06	6.29E-07	3.60E-06	4.30E-07	5.72E-07	1.89E-06	1.30E-07
4700	469392.86	3818187.38	6.70E-06	2.81E-05	2.53E-06	5.58E-06	2.07E-05	1.82E-06	6.32E-07	3.62E-06	4.32E-07	5.75E-07	1.90E-06	1.31E-07
4701	469401.82	3818183.83	6.73E-06	2.83E-05	2.55E-06	5.61E-06	2.08E-05	1.83E-06	6.36E-07	3.64E-06	4.34E-07	5.78E-07	1.91E-06	1.31E-07
4702	469410.79	3818180.28	6.76E-06	2.84E-05	2.56E-06	5.63E-06	2.09E-05	1.84E-06	6.39E-07	3.66E-06	4.36E-07	5.81E-07	1.91E-06	1.32E-07
4703	469419.75	3818176.73	6.79E-06	2.85E-05	2.57E-06	5.66E-06	2.10E-05	1.84E-06	6.41E-07	3.67E-06	4.38E-07	5.83E-07	1.92E-06	1.33E-07
4704	469428.71	3818173.18	6.84E-06	2.87E-05	2.59E-06	5.69E-06	2.11E-05	1.86E-06	6.46E-07	3.70E-06	4.41E-07	5.87E-07	1.93E-06	1.33E-07
4705	469437.68	3818169.63	6.88E-06	2.89E-05	2.60E-06	5.73E-06	2.12E-05	1.87E-06	6.50E-07	3.72E-06	4.44E-07	5.91E-07	1.95E-06	1.34E-07
4706	469446.64	3818166.08	6.92E-06	2.91E-05	2.62E-06	5.77E-06	2.14E-05	1.88E-06	6.54E-07	3.74E-06	4.47E-07	5.94E-07	1.96E-06	1.35E-07
4707	469455.6	3818162.53	6.97E-06	2.93E-05	2.63E-06	5.80E-06	2.15E-05	1.89E-06	6.58E-07	3.77E-06	4.49E-07	5.98E-07	1.97E-06	1.36E-07
4708	469464.57	3818158.98	7.00E-06	2.94E-05	2.65E-06	5.83E-06	2.16E-05	1.90E-06	6.61E-07	3.79E-06	4.52E-07	6.01E-07	1.98E-06	1.37E-07
4709	469473.53	3818155.43	7.04E-06	2.96E-05	2.66E-06	5.87E-06	2.17E-05	1.91E-06	6.65E-07	3.81E-06	4.54E-07	6.05E-07	1.99E-06	1.37E-07
4710	469482.5	3818151.88	7.09E-06	2.98E-05	2.68E-06	5.90E-06	2.19E-05	1.92E-06	6.69E-07	3.83E-06	4.57E-07	6.08E-07	2.01E-06	1.38E-07
4711	469491.46	3818148.33	7.13E-06	3.00E-05	2.70E-06	5.94E-06	2.20E-05	1.94E-06	6.74E-07	3.86E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
4712	469500.42	3818144.78	7.18E-06	3.01E-05	2.71E-06	5.98E-06	2.21E-05	1.95E-06	6.78E-07	3.88E-06	4.63E-07	6.16E-07	2.03E-06	1.40E-07
4713	469509.39	3818141.23	7.23E-06	3.04E-05	2.73E-06	6.02E-06	2.23E-05	1.96E-06	6.83E-07	3.91E-06	4.66E-07	6.21E-07	2.05E-06	1.41E-07
4714	469518.35	3818137.68	7.29E-06	3.06E-05	2.76E-06	6.07E-06	2.25E-05	1.98E-06	6.88E-07	3.94E-06	4.70E-07	6.26E-07	2.06E-06	1.42E-07
4715	469527.31	3818134.13	7.35E-06	3.09E-05	2.78E-06	6.12E-06	2.27E-05	2.00E-06	6.94E-07	3.97E-06	4.74E-07	6.31E-07	2.08E-06	1.43E-07
4716	469536.28	3818130.58	7.41E-06	3.11E-05	2.80E-06	6.17E-06	2.29E-05	2.01E-06	7.00E-07	4.01E-06	4.78E-07	6.36E-07	2.10E-06	1.45E-07
4717	469545.24	3818127.03	7.48E-06	3.14E-05	2.83E-06	6.23E-06	2.31E-05	2.03E-06	7.06E-07	4.04E-06	4.82E-07	6.42E-07	2.12E-06	1.46E-07
4718	469554.2	3818123.48	7.53E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.11E-07	4.07E-06	4.86E-07	6.46E-07	2.13E-06	1.47E-07
4719	469563.17	3818119.93	7.59E-06	3.19E-05	2.87E-06	6.32E-06	2.34E-05	2.06E-06	7.16E-07	4.10E-06	4.89E-07	6.51E-07	2.15E-06	1.48E-07
4720	469572.13	3818116.38	7.64E-06	3.21E-05	2.89E-06	6.37E-06	2.36E-05	2.08E-06	7.22E-07	4.13E-06	4.93E-07	6.56E-07	2.16E-06	1.49E-07
4721	469581.09	3818112.83	7.70E-06	3.23E-05	2.91E-06	6.42E-06	2.38E-05	2.09E-06	7.27E-07	4.16E-06	4.97E-07	6.61E-07	2.18E-06	1.50E-07
4722	469590.06	3818109.28	7.76E-06	3.26E-05	2.93E-06	6.46E-06	2.39E-05	2.11E-06	7.33E-07	4.19E-06	5.00E-07	6.66E-07	2.20E-06	1.51E-07
4723	469599.02	3818105.73	7.82E-06	3.28E-05	2.96E-06	6.51E-06	2.41E-05	2.12E-06	7.38E-07	4.23E-06	5.04E-07	6.71E-07	2.21E-06	1.53E-07
4724	469607.98	3818102.18	7.88E-06	3.31E-05	2.98E-06	6.56E-06	2.43E-05	2.14E-06	7.44E-07	4.26E-06	5.08E-07	6.76E-07	2.23E-06	1.54E-07
4725	469616.95	3818098.63	7.94E-06	3.34E-05	3.00E-06	6.62E-06	2.45E-05	2.16E-06	7.50E-07	4.29E-06	5.12E-07	6.82E-07	2.25E-06	1.55E-07
4726	469625.91	3818095.08	8.00E-06	3.36E-05	3.03E-06	6.66E-06	2.47E-05	2.17E-06	7.55E-07	4.32E-06	5.16E-07	6.87E-07	2.26E-06	1.56E-07
4727	469634.87	3818091.53	8.05E-06	3.38E-05	3.05E-06	6.71E-06	2.48E-05	2.19E-06	7.60E-07	4.35E-06	5.19E-07	6.91E-07	2.28E-06	1.57E-07
4728	469643.84	3818087.98	8.11E-06	3.40E-05	3.07E-06	6.75E-06	2.50E-05	2.20E-06	7.65E-07	4.38E-06	5.23E-07	6.96E-07	2.29E-06	1.58E-07
4729	469652.8	3818084.43	8.15E-06	3.42E-05	3.08E-06	6.79E-06	2.52E-05	2.21E-06	7.70E-07	4.41E-06	5.26E-07	7.00E-07	2.31E-06	1.59E-07
4730	469661.77	3818080.88	8.20E-06	3.44E-05	3.10E-06	6.83E-06	2.53E-05	2.23E-06	7.74E-07	4.43E-06	5.29E-07	7.04E-07	2.32E-06	1.60E-07
4731	469670.73	3818077.33	8.25E-06	3.46E-05	3.12E-06	6.87E-06	2.54E-05	2.24E-06	7.79E-07	4.46E-06	5.32E-07	7.08E-07	2.33E-06	1.61E-07
4732	469679.69	3818073.78	8.28E-06	3.48E-05	3.13E-06	6.90E-06	2.56E-05	2.25E-06	7.82E-07	4.48E-06	5.34E-07	7.11E-07	2.34E-06	1.62E-07
4733	469715.55	3818059.58	8.42E-06	3.54E-05	3.19E-06	7.02E-06	2.60E-05	2.29E-06	7.95E-07	4.55E-06	5.43E-07	7.23E-07	2.38E-06	1.64E-07
4734	469724.51	3818056.03	8.45E-06	3.55E-05	3.20E-06	7.04E-06	2.61E-05	2.29E-06	7.98E-07	4.57E-06	5.45E-07	7.26E-07	2.39E-06	1.65E-07
4735	469733.47	3818052.48	8.48E-06	3.56E-05	3.21E-06	7.06E-06	2.62E-05	2.30E-06	8.00E-07	4.58E-06	5.47E-07	7.28E-07	2.40E-06	1.65E-07
4736	469742.44	3818048.93	8.50E-06	3.57E-05	3.21E-06	7.08E-06	2.62E-05	2.31E-06	8.03E-07	4.60E-06	5.48E-07	7.30E-07	2.41E-06	1.66E-07
4737	469751.4	3818045.38	8.52E-06	3.58E-05	3.22E-06	7.10E-06	2.63E-05	2.31E-06	8.05E-07	4.61E-06	5.50E-07	7.32E-07	2.41E-06	1.66E-07
4738	469760.36	3818041.83	8.54E-06	3.59E-05	3.23E-06	7.12E-06	2.64E-05	2.32E-06	8.07E-07	4.62E-06	5.51E-07	7.33E-07	2.42E-06	1.67E-07
4739	469769.33	3818038.28	8.56E-06	3.60E-05	3.24E-06	7.13E-06	2.64E-05	2.32E-06	8.09E-07	4.63E-06	5.52E-07	7.35E-07	2.42E-06	1.67E-07
4740	469778.29	3818034.73	8.58E-06	3.60E-05	3.25E-06	7.15E-06	2.65E-05	2.33E-06	8.10E-07	4.64E-06	5.54E-07	7.37E-07	2.43E-06	1.67E-07
4741	469787.25	3818031.18	8.60E-06	3.61E-05	3.25E-06	7.16E-06	2.65E-05	2.33E-06	8.12E-07	4.65E-06	5.54E-07	7.38E-07	2.43E-06	1.68E-07

4742	469796.22	3818027.63	8.61E-06	3.62E-05	3.26E-06	7.17E-06	2.66E-05	2.34E-06	8.13E-07	4.66E-06	5.55E-07	7.39E-07	2.44E-06	1.68E-07
4743	469805.18	3818024.08	8.63E-06	3.62E-05	3.26E-06	7.18E-06	2.66E-05	2.34E-06	8.15E-07	4.66E-06	5.56E-07	7.40E-07	2.44E-06	1.68E-07
4744	469814.14	3818020.53	8.64E-06	3.63E-05	3.27E-06	7.19E-06	2.66E-05	2.34E-06	8.15E-07	4.67E-06	5.57E-07	7.41E-07	2.44E-06	1.68E-07
4745	469823.11	3818016.98	8.65E-06	3.63E-05	3.27E-06	7.20E-06	2.67E-05	2.35E-06	8.17E-07	4.68E-06	5.58E-07	7.43E-07	2.45E-06	1.69E-07
4746	469832.07	3818013.43	8.67E-06	3.64E-05	3.28E-06	7.22E-06	2.67E-05	2.35E-06	8.19E-07	4.69E-06	5.59E-07	7.44E-07	2.45E-06	1.69E-07
4747	469841.03	3818009.88	8.68E-06	3.65E-05	3.28E-06	7.23E-06	2.68E-05	2.36E-06	8.20E-07	4.69E-06	5.60E-07	7.45E-07	2.46E-06	1.69E-07
4748	469850	3818006.33	8.71E-06	3.66E-05	3.29E-06	7.25E-06	2.69E-05	2.36E-06	8.22E-07	4.71E-06	5.62E-07	7.47E-07	2.46E-06	1.70E-07
4749	469858.96	3818002.78	8.74E-06	3.67E-05	3.30E-06	7.28E-06	2.70E-05	2.37E-06	8.25E-07	4.72E-06	5.63E-07	7.50E-07	2.47E-06	1.70E-07
4750	469867.93	3817999.23	8.76E-06	3.68E-05	3.31E-06	7.30E-06	2.70E-05	2.38E-06	8.27E-07	4.74E-06	5.65E-07	7.52E-07	2.48E-06	1.71E-07
4751	469876.89	3817995.68	8.78E-06	3.69E-05	3.32E-06	7.32E-06	2.71E-05	2.38E-06	8.29E-07	4.75E-06	5.67E-07	7.54E-07	2.49E-06	1.71E-07
4752	469885.85	3817992.13	8.82E-06	3.70E-05	3.33E-06	7.34E-06	2.72E-05	2.39E-06	8.33E-07	4.77E-06	5.69E-07	7.57E-07	2.50E-06	1.72E-07
4753	469894.82	3817988.58	8.86E-06	3.72E-05	3.35E-06	7.38E-06	2.73E-05	2.40E-06	8.36E-07	4.79E-06	5.71E-07	7.60E-07	2.51E-06	1.73E-07
4754	469903.78	3817985.03	8.90E-06	3.74E-05	3.37E-06	7.42E-06	2.75E-05	2.42E-06	8.41E-07	4.81E-06	5.74E-07	7.64E-07	2.52E-06	1.74E-07
4755	469912.74	3817981.48	8.96E-06	3.76E-05	3.39E-06	7.46E-06	2.76E-05	2.43E-06	8.46E-07	4.84E-06	5.78E-07	7.69E-07	2.54E-06	1.75E-07
4756	469921.71	3817977.93	9.02E-06	3.79E-05	3.41E-06	7.51E-06	2.78E-05	2.45E-06	8.51E-07	4.87E-06	5.81E-07	7.74E-07	2.55E-06	1.76E-07
4757	469930.67	3817974.38	9.07E-06	3.81E-05	3.43E-06	7.56E-06	2.80E-05	2.46E-06	8.57E-07	4.90E-06	5.85E-07	7.79E-07	2.57E-06	1.77E-07
4758	469939.63	3817970.83	9.14E-06	3.84E-05	3.46E-06	7.61E-06	2.82E-05	2.48E-06	8.63E-07	4.94E-06	5.90E-07	7.85E-07	2.59E-06	1.78E-07
4759	469948.6	3817967.28	9.21E-06	3.87E-05	3.48E-06	7.67E-06	2.84E-05	2.50E-06	8.70E-07	4.98E-06	5.94E-07	7.91E-07	2.61E-06	1.80E-07
4760	469957.56	3817963.73	9.29E-06	3.90E-05	3.51E-06	7.74E-06	2.87E-05	2.52E-06	8.78E-07	5.02E-06	5.99E-07	7.98E-07	2.63E-06	1.81E-07
4761	469966.52	3817960.18	9.36E-06	3.93E-05	3.54E-06	7.80E-06	2.89E-05	2.54E-06	8.84E-07	5.06E-06	6.04E-07	8.04E-07	2.65E-06	1.83E-07
4762	469975.49	3817956.63	9.43E-06	3.96E-05	3.57E-06	7.85E-06	2.91E-05	2.56E-06	8.90E-07	5.10E-06	6.08E-07	8.09E-07	2.67E-06	1.84E-07
4763	469984.45	3817953.07	9.50E-06	3.99E-05	3.59E-06	7.91E-06	2.93E-05	2.58E-06	8.97E-07	5.13E-06	6.13E-07	8.15E-07	2.69E-06	1.85E-07
4764	469993.41	3817949.52	9.56E-06	4.02E-05	3.62E-06	7.97E-06	2.95E-05	2.60E-06	9.03E-07	5.17E-06	6.17E-07	8.21E-07	2.71E-06	1.87E-07
4765	470002.38	3817945.97	9.62E-06	4.04E-05	3.64E-06	8.01E-06	2.97E-05	2.61E-06	9.08E-07	5.20E-06	6.20E-07	8.26E-07	2.72E-06	1.88E-07
4766	470011.34	3817942.42	9.67E-06	4.06E-05	3.66E-06	8.06E-06	2.99E-05	2.63E-06	9.14E-07	5.23E-06	6.24E-07	8.30E-07	2.74E-06	1.89E-07
4767	470020.3	3817938.87	9.73E-06	4.08E-05	3.68E-06	8.10E-06	3.00E-05	2.64E-06	9.19E-07	5.26E-06	6.27E-07	8.35E-07	2.75E-06	1.90E-07
4768	470047.19	3817928.22	9.89E-06	4.15E-05	3.74E-06	8.23E-06	3.05E-05	2.68E-06	9.34E-07	5.34E-06	6.38E-07	8.49E-07	2.80E-06	1.93E-07
4769	470056.16	3817924.67	9.92E-06	4.17E-05	3.75E-06	8.27E-06	3.06E-05	2.69E-06	9.37E-07	5.37E-06	6.40E-07	8.52E-07	2.81E-06	1.94E-07
4770	470065.12	3817921.12	9.95E-06	4.18E-05	3.76E-06	8.29E-06	3.07E-05	2.70E-06	9.39E-07	5.38E-06	6.42E-07	8.54E-07	2.82E-06	1.94E-07
4771	470074.09	3817917.57	9.97E-06	4.19E-05	3.77E-06	8.30E-06	3.08E-05	2.71E-06	9.41E-07	5.39E-06	6.43E-07	8.56E-07	2.82E-06	1.94E-07
4772	470083.05	3817914.02	9.97E-06	4.19E-05	3.77E-06	8.31E-06	3.08E-05	2.71E-06	9.42E-07	5.39E-06	6.43E-07	8.56E-07	2.82E-06	1.95E-07
4773	470092.01	3817910.47	9.97E-06	4.19E-05	3.77E-06	8.30E-06	3.08E-05	2.71E-06	9.41E-07	5.39E-06	6.43E-07	8.56E-07	2.82E-06	1.94E-07
4774	470100.98	3817906.92	9.95E-06	4.18E-05	3.76E-06	8.29E-06	3.07E-05	2.70E-06	9.40E-07	5.38E-06	6.42E-07	8.54E-07	2.82E-06	1.94E-07
4775	470109.94	3817903.37	9.93E-06	4.17E-05	3.76E-06	8.27E-06	3.06E-05	2.70E-06	9.38E-07	5.37E-06	6.40E-07	8.52E-07	2.81E-06	1.94E-07
4776	470118.9	3817899.82	9.89E-06	4.15E-05	3.74E-06	8.24E-06	3.05E-05	2.68E-06	9.34E-07	5.35E-06	6.38E-07	8.49E-07	2.80E-06	1.93E-07
4777	468768.83	3819228.61	2.75E-06	1.16E-05	1.04E-06	2.29E-06	8.49E-06	7.47E-07	2.60E-07	1.49E-06	1.77E-07	2.36E-07	7.79E-07	5.37E-08
4778	468768.64	3819238.26	2.80E-06	1.18E-05	1.06E-06	2.33E-06	8.64E-06	7.60E-07	2.64E-07	1.51E-06	1.81E-07	2.40E-07	7.93E-07	5.46E-08
4779	468768.45	3819247.91	2.85E-06	1.20E-05	1.08E-06	2.38E-06	8.80E-06	7.74E-07	2.69E-07	1.54E-06	1.84E-07	2.45E-07	8.07E-07	5.57E-08
4780	468768.25	3819257.56	2.90E-06	1.22E-05	1.10E-06	2.42E-06	8.95E-06	7.87E-07	2.74E-07	1.57E-06	1.87E-07	2.49E-07	8.21E-07	5.66E-08
4781	468768.06	3819267.2	2.95E-06	1.24E-05	1.12E-06	2.46E-06	9.10E-06	8.00E-07	2.78E-07	1.59E-06	1.90E-07	2.53E-07	8.35E-07	5.75E-08
4782	468767.87	3819276.85	3.00E-06	1.26E-05	1.13E-06	2.50E-06	9.25E-06	8.14E-07	2.83E-07	1.62E-06	1.93E-07	2.57E-07	8.48E-07	5.85E-08
4783	468767.67	3819286.5	3.04E-06	1.28E-05	1.15E-06	2.53E-06	9.38E-06	8.25E-07	2.87E-07	1.64E-06	1.96E-07	2.61E-07	8.61E-07	5.93E-08
4784	468767.48	3819296.15	3.08E-06	1.30E-05	1.17E-06	2.57E-06	9.52E-06	8.37E-07	2.91E-07	1.67E-06	1.99E-07	2.65E-07	8.73E-07	6.02E-08
4785	468767.29	3819305.8	3.13E-06	1.31E-05	1.18E-06	2.60E-06	9.65E-06	8.49E-07	2.95E-07	1.69E-06	2.02E-07	2.68E-07	8.85E-07	6.10E-08
4786	468767.09	3819315.45	3.17E-06	1.33E-05	1.20E-06	2.64E-06	9.77E-06	8.59E-07	2.99E-07	1.71E-06	2.04E-07	2.72E-07	8.96E-07	6.18E-08
4787	468766.9	3819325.09	3.20E-06	1.35E-05	1.21E-06	2.67E-06	9.89E-06	8.70E-07	3.03E-07	1.73E-06	2.07E-07	2.75E-07	9.07E-07	6.25E-08
4788	468766.71	3819334.74	3.24E-06	1.36E-05	1.22E-06	2.70E-06	9.99E-06	8.79E-07	3.06E-07	1.75E-06	2.09E-07	2.78E-07	9.16E-07	6.32E-08
4789	468766.51	3819344.39	3.27E-06	1.37E-05	1.24E-06	2.72E-06	1.01E-05	8.87E-07	3.08E-07	1.77E-06	2.11E-07	2.80E-07	9.25E-07	6.37E-08
4790	468766.32	3819354.04	3.30E-06	1.38E-05	1.25E-06	2.74E-06	1.02E-05	8.95E-07	3.11E-07	1.78E-06	2.13E-07	2.83E-07	9.33E-07	6.43E-08
4791	468766.13	3819363.69	3.32E-06	1.40E-05	1.26E-06	2.77E-06	1.03E-05	9.02E-07	3.14E-07	1.80E-06	2.14E-07	2.85E-07	9.41E-07	6.49E-08
4792	468765.93	3819373.33	3.35E-06	1.41E-05	1.27E-06	2.79E-06	1.03E-05	9.09E-07	3.16E-07	1.81E-06	2.16E-07	2.87E-07	9.48E-07	6.53E-08
4793	468765.74	3819382.98	3.37E-06	1.42E-05	1.28E-06	2.81E-06	1.04E-05	9.15E-07	3.18E-07	1.82E-06	2.18E-07	2.89E-07	9.55E-07	6.58E-08
4794	468765.55	3819392.63	3.39E-06	1.42E-05	1.28E-06	2.82E-06	1.05E-05	9.21E-07	3.20E-07	1.83E-06	2.19E-07	2.91E-07	9.60E-07	6.62E-08
4795	468765.35	3819402.28	3.41E-06	1.43E-05	1.29E-06	2.84E-06	1.05E-05	9.26E-07	3.22E-07	1.84E-06	2.20E-07	2.93E-07	9.65E-07	6.66E-08
4796	468765.16	3819411.93	3.43E-06	1.44E-05	1.30E-06	2.85E-06	1.06E-05	9.30E-07	3.23E-07	1.85E-06	2.21E-07	2.94E-07	9.70E-07	6.68E-08
4797	468764.97	3819421.58	3.43E-06	1.44E-05	1.30E-06	2.86E-06	1.06E-05	9.32E-07	3.24E-07	1.86E-06	2.22E-07	2.95E-07	9.72E-07	6.70E-08
4798	468696.9	3819190.14	2.34E-06	9.84E-06	8.86E-07	1.95E-06	7.23E-06	6.36E-07	2.21E-07	1.27E-06	1.51E-07	2.01E-07	6.63E-07	4.57E-08
4799	468700.73	3819181.36	2.31E-06	9.72E-06	8.75E-07	1.93E-06	7.14E-06	6.28E-07	2.19E-07	1.25E-06	1.49E-07	1.99E-07	6.55E-07	4.52E-08
4800	468704.56	3819172.58	2.29E-06	9.62E-06	8.66E-07	1.91E-06	7.07E-06	6.22E-07	2.16E-07	1.24E-06	1.48E-07	1.97E-07	6.48E-07	4.47E-08
4801	468708.39	3819163.79	2.27E-06	9.52E-06	8.57E-07	1.89E-06	6.99E-06	6.15E-07	2.14E-07	1.22E-06	1.46E-07	1.95E-07	6.41E-07	4.42E-08
4802	468712.22	3819155.01	2.25E-06	9.43E-06	8.50E-07	1.87E-06	6.93E-06	6.10E-07	2.12E-07	1.21E-06	1.45E-07	1.93E-07	6.36E-07	4.38E-08
4803	468716.05	3819146.22	2.22E-06	9.33E-06	8.41E-07	1.85E-06	6.86E-06	6.03E-07	2.10E-07	1.20E-06	1.43E-07	1.91E-07	6.29E-07	4.34E-08
4804	468719.88	3819137.44	2.20E-06	9.25E-06	8.33E-07	1.84E-06	6.80E-06	5.98E-07	2.08E-07	1.19E-06	1.42E-07	1.89E-07	6.24E-07	4.30E-08
4805	468723.71	3819128.65	2.19E-06	9.19E-06	8.28E-07	1.82E-06	6.75E-06	5.94E-07	2.07E-07	1.18E-06	1.41E-07	1.88E-07	6.20E-07	4.27E-08
4806	468727.54	3819119.87	2.17E-06	9.13E-06	8.22E-07	1.81E-06	6.71E-06	5.90E-07	2.05E-07	1.18E-06	1.40E-07	1.87E-07	6.15E-07	4.24E-08
4807	468731.38	3819111.08	2.16E-06	9.09E-06	8.19E-07	1.80E-06	6.68E-06	5.88E-07	2.04E-07	1.17E-06	1.40E-07	1.86E-07	6.13E-07	4.22E-08
4808	469045.52	3818390.75	4.32E-06	1.82E-05	1.64E-06	3.60E-06	1.33E-05	1.17E-06	4.08E-07	2.34E-06	2.79E-07	3.71E-07	1.22E-06	8.44E-08
4809	469049.35	3818381.96	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.79E-07	3.72E-07	1.23E-06	8.45E-08
4810	469053.18	3818373.18	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.79E-07	3.72E-07	1.23E-06	8.45E-08
4811	469057.01	3818364.39	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.79E-07	3.72E-07	1.23E-06	8.45E-08
4812	469060.85	3818355.61	4.32E-06	1.82E-05	1.64E-06	3.60E-06	1.33E-05	1.17E-06	4.08E-07	2.34E-06	2.79E-07	3.71E-07	1.22E-06	8.44E-08
4813	469064.68	3818346.83	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.79E-07	3.72E-07	1.23E-06	8.45E-08
4814	469068.51	3818338.04	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.80E-07	3.72E-07	1.23E-06	8.46E-08

4815	469072.34	3818329.26	4.34E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.10E-07	2.35E-06	2.80E-07	3.72E-07	1.23E-06	8.47E-08
4816	469076.17	3818320.47	4.34E-06	1.82E-05	1.64E-06	3.62E-06	1.34E-05	1.18E-06	4.10E-07	2.35E-06	2.80E-07	3.73E-07	1.23E-06	8.48E-08
4817	469080	3818311.69	4.35E-06	1.83E-05	1.65E-06	3.63E-06	1.34E-05	1.18E-06	4.11E-07	2.35E-06	2.81E-07	3.74E-07	1.23E-06	8.50E-08
4818	469083.83	3818302.9	4.36E-06	1.83E-05	1.65E-06	3.63E-06	1.35E-05	1.18E-06	4.12E-07	2.36E-06	2.81E-07	3.75E-07	1.24E-06	8.51E-08
4819	469087.66	3818294.12	4.38E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.13E-07	2.37E-06	2.82E-07	3.76E-07	1.24E-06	8.54E-08
4820	469091.49	3818285.33	4.38E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.14E-07	2.37E-06	2.83E-07	3.76E-07	1.24E-06	8.55E-08
4821	469095.32	3818276.55	4.39E-06	1.84E-05	1.66E-06	3.66E-06	1.36E-05	1.19E-06	4.15E-07	2.37E-06	2.83E-07	3.77E-07	1.24E-06	8.57E-08
4822	469099.16	3818267.76	4.41E-06	1.85E-05	1.67E-06	3.67E-06	1.36E-05	1.20E-06	4.16E-07	2.38E-06	2.84E-07	3.78E-07	1.25E-06	8.60E-08
4823	469102.99	3818258.98	4.42E-06	1.86E-05	1.67E-06	3.68E-06	1.36E-05	1.20E-06	4.17E-07	2.39E-06	2.85E-07	3.80E-07	1.25E-06	8.63E-08
4824	469106.82	3818250.2	4.45E-06	1.87E-05	1.68E-06	3.70E-06	1.37E-05	1.21E-06	4.20E-07	2.40E-06	2.87E-07	3.82E-07	1.26E-06	8.67E-08
4825	469110.65	3818241.41	4.47E-06	1.88E-05	1.69E-06	3.72E-06	1.38E-05	1.21E-06	4.22E-07	2.42E-06	2.88E-07	3.84E-07	1.27E-06	8.72E-08
4826	469114.48	3818232.63	4.49E-06	1.89E-05	1.70E-06	3.74E-06	1.39E-05	1.22E-06	4.24E-07	2.43E-06	2.90E-07	3.86E-07	1.27E-06	8.77E-08
4827	469118.31	3818223.84	4.52E-06	1.90E-05	1.71E-06	3.77E-06	1.40E-05	1.23E-06	4.27E-07	2.44E-06	2.92E-07	3.88E-07	1.28E-06	8.82E-08
4828	469131.05	3818211.53	4.62E-06	1.94E-05	1.75E-06	3.85E-06	1.43E-05	1.25E-06	4.37E-07	2.50E-06	2.98E-07	3.97E-07	1.31E-06	9.02E-08
4829	469139.96	3818208	4.70E-06	1.97E-05	1.78E-06	3.91E-06	1.45E-05	1.27E-06	4.43E-07	2.54E-06	3.03E-07	4.03E-07	1.33E-06	9.16E-08
4830	469148.87	3818204.47	4.77E-06	2.00E-05	1.80E-06	3.97E-06	1.47E-05	1.30E-06	4.51E-07	2.58E-06	3.08E-07	4.10E-07	1.35E-06	9.31E-08
4831	469157.78	3818200.94	4.84E-06	2.03E-05	1.83E-06	4.03E-06	1.49E-05	1.31E-06	4.57E-07	2.62E-06	3.12E-07	4.16E-07	1.37E-06	9.45E-08
4832	469166.69	3818197.41	4.92E-06	2.07E-05	1.86E-06	4.10E-06	1.52E-05	1.34E-06	4.65E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.60E-08
4833	469175.6	3818193.88	5.00E-06	2.10E-05	1.89E-06	4.16E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.22E-07	4.29E-07	1.41E-06	9.75E-08
4834	469184.51	3818190.35	5.08E-06	2.13E-05	1.92E-06	4.23E-06	1.57E-05	1.38E-06	4.79E-07	2.74E-06	3.27E-07	4.36E-07	1.44E-06	9.90E-08
4835	469193.42	3818186.83	5.15E-06	2.16E-05	1.95E-06	4.29E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.32E-07	4.42E-07	1.46E-06	1.01E-07
4836	469202.33	3818183.3	5.22E-06	2.19E-05	1.98E-06	4.35E-06	1.61E-05	1.42E-06	4.93E-07	2.82E-06	3.37E-07	4.48E-07	1.48E-06	1.02E-07
4837	469211.24	3818179.77	5.29E-06	2.22E-05	2.00E-06	4.41E-06	1.63E-05	1.44E-06	5.00E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
4838	469220.15	3818176.24	5.36E-06	2.25E-05	2.03E-06	4.46E-06	1.65E-05	1.45E-06	5.06E-07	2.90E-06	3.46E-07	4.60E-07	1.52E-06	1.05E-07
4839	469229.06	3818172.71	5.43E-06	2.28E-05	2.05E-06	4.52E-06	1.67E-05	1.47E-06	5.12E-07	2.93E-06	3.50E-07	4.66E-07	1.54E-06	1.06E-07
4840	469237.97	3818169.18	5.48E-06	2.30E-05	2.07E-06	4.57E-06	1.69E-05	1.49E-06	5.18E-07	2.96E-06	3.54E-07	4.71E-07	1.55E-06	1.07E-07
4841	469246.89	3818165.65	5.54E-06	2.33E-05	2.10E-06	4.62E-06	1.71E-05	1.50E-06	5.23E-07	3.00E-06	3.57E-07	4.76E-07	1.57E-06	1.08E-07
4842	469255.8	3818162.12	5.60E-06	2.35E-05	2.12E-06	4.66E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.58E-06	1.09E-07
4843	469264.71	3818158.59	5.65E-06	2.37E-05	2.14E-06	4.70E-06	1.74E-05	1.53E-06	5.33E-07	3.05E-06	3.64E-07	4.85E-07	1.60E-06	1.10E-07
4844	469273.62	3818155.06	5.70E-06	2.39E-05	2.15E-06	4.74E-06	1.76E-05	1.55E-06	5.38E-07	3.08E-06	3.67E-07	4.89E-07	1.61E-06	1.11E-07
4845	469282.53	3818151.54	5.74E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.42E-07	3.10E-06	3.70E-07	4.93E-07	1.62E-06	1.12E-07
4846	469291.44	3818148.01	5.78E-06	2.43E-05	2.19E-06	4.81E-06	1.78E-05	1.57E-06	5.46E-07	3.12E-06	3.73E-07	4.96E-07	1.64E-06	1.13E-07
4847	469300.35	3818144.48	5.81E-06	2.44E-05	2.20E-06	4.84E-06	1.79E-05	1.58E-06	5.49E-07	3.14E-06	3.75E-07	4.99E-07	1.64E-06	1.13E-07
4848	469309.26	3818140.95	5.84E-06	2.45E-05	2.21E-06	4.87E-06	1.80E-05	1.59E-06	5.52E-07	3.16E-06	3.77E-07	5.02E-07	1.65E-06	1.14E-07
4849	469318.17	3818137.42	5.87E-06	2.47E-05	2.22E-06	4.89E-06	1.81E-05	1.59E-06	5.55E-07	3.18E-06	3.79E-07	5.04E-07	1.66E-06	1.15E-07
4850	469327.08	3818133.89	5.90E-06	2.48E-05	2.23E-06	4.92E-06	1.82E-05	1.60E-06	5.57E-07	3.19E-06	3.81E-07	5.07E-07	1.67E-06	1.15E-07
4851	469335.99	3818130.36	5.94E-06	2.49E-05	2.25E-06	4.94E-06	1.83E-05	1.61E-06	5.61E-07	3.21E-06	3.83E-07	5.10E-07	1.68E-06	1.16E-07
4852	469344.9	3818126.83	5.97E-06	2.51E-05	2.26E-06	4.97E-06	1.84E-05	1.62E-06	5.64E-07	3.23E-06	3.85E-07	5.12E-07	1.69E-06	1.16E-07
4853	469353.81	3818123.3	6.00E-06	2.52E-05	2.27E-06	5.00E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
4854	469362.72	3818119.77	6.03E-06	2.53E-05	2.28E-06	5.02E-06	1.86E-05	1.64E-06	5.70E-07	3.26E-06	3.89E-07	5.18E-07	1.71E-06	1.18E-07
4855	469371.63	3818116.25	6.06E-06	2.54E-05	2.29E-06	5.04E-06	1.87E-05	1.64E-06	5.72E-07	3.27E-06	3.91E-07	5.20E-07	1.71E-06	1.18E-07
4856	469380.54	3818112.72	6.08E-06	2.55E-05	2.30E-06	5.06E-06	1.88E-05	1.65E-06	5.74E-07	3.29E-06	3.92E-07	5.22E-07	1.72E-06	1.19E-07
4857	469389.45	3818109.19	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.66E-06	5.76E-07	3.30E-06	3.94E-07	5.24E-07	1.73E-06	1.19E-07
4858	469398.36	3818105.66	6.13E-06	2.58E-05	2.32E-06	5.11E-06	1.89E-05	1.66E-06	5.79E-07	3.32E-06	3.96E-07	5.27E-07	1.74E-06	1.20E-07
4859	469407.27	3818102.13	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.82E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
4860	469416.18	3818098.6	6.19E-06	2.60E-05	2.34E-06	5.16E-06	1.91E-05	1.68E-06	5.85E-07	3.35E-06	3.99E-07	5.31E-07	1.75E-06	1.21E-07
4861	469425.09	3818095.07	6.22E-06	2.61E-05	2.35E-06	5.19E-06	1.92E-05	1.69E-06	5.88E-07	3.37E-06	4.02E-07	5.34E-07	1.76E-06	1.21E-07
4862	469434	3818091.54	6.26E-06	2.63E-05	2.37E-06	5.21E-06	1.93E-05	1.70E-06	5.91E-07	3.38E-06	4.04E-07	5.37E-07	1.77E-06	1.22E-07
4863	469442.91	3818088.01	6.29E-06	2.64E-05	2.38E-06	5.24E-06	1.94E-05	1.71E-06	5.94E-07	3.40E-06	4.06E-07	5.40E-07	1.78E-06	1.23E-07
4864	469451.82	3818084.48	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.98E-07	3.42E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
4865	469460.73	3818080.96	6.38E-06	2.68E-05	2.41E-06	5.32E-06	1.97E-05	1.73E-06	6.03E-07	3.45E-06	4.12E-07	5.48E-07	1.81E-06	1.25E-07
4866	469469.64	3818077.43	6.43E-06	2.70E-05	2.43E-06	5.36E-06	1.98E-05	1.75E-06	6.07E-07	3.48E-06	4.15E-07	5.52E-07	1.82E-06	1.25E-07
4867	469478.55	3818073.9	6.48E-06	2.72E-05	2.45E-06	5.40E-06	2.00E-05	1.76E-06	6.12E-07	3.51E-06	4.18E-07	5.57E-07	1.84E-06	1.27E-07
4868	469487.46	3818070.37	6.53E-06	2.74E-05	2.47E-06	5.44E-06	2.02E-05	1.77E-06	6.17E-07	3.53E-06	4.21E-07	5.61E-07	1.85E-06	1.27E-07
4869	469496.37	3818066.84	6.58E-06	2.76E-05	2.49E-06	5.48E-06	2.03E-05	1.79E-06	6.21E-07	3.56E-06	4.24E-07	5.65E-07	1.86E-06	1.28E-07
4870	469505.28	3818063.31	6.63E-06	2.78E-05	2.51E-06	5.52E-06	2.05E-05	1.80E-06	6.26E-07	3.58E-06	4.28E-07	5.69E-07	1.88E-06	1.29E-07
4871	469514.19	3818059.78	6.68E-06	2.80E-05	2.53E-06	5.56E-06	2.06E-05	1.81E-06	6.31E-07	3.61E-06	4.31E-07	5.73E-07	1.89E-06	1.30E-07
4872	469523.1	3818056.25	6.73E-06	2.82E-05	2.54E-06	5.60E-06	2.08E-05	1.83E-06	6.35E-07	3.64E-06	4.34E-07	5.77E-07	1.90E-06	1.31E-07
4873	469532.01	3818052.72	6.78E-06	2.85E-05	2.56E-06	5.65E-06	2.09E-05	1.84E-06	6.40E-07	3.66E-06	4.37E-07	5.82E-07	1.92E-06	1.32E-07
4874	469540.92	3818049.19	6.83E-06	2.87E-05	2.58E-06	5.69E-06	2.11E-05	1.85E-06	6.45E-07	3.69E-06	4.41E-07	5.86E-07	1.93E-06	1.33E-07
4875	469549.83	3818045.67	6.89E-06	2.89E-05	2.61E-06	5.74E-06	2.13E-05	1.87E-06	6.51E-07	3.72E-06	4.44E-07	5.91E-07	1.95E-06	1.34E-07
4876	469558.74	3818042.14	6.95E-06	2.92E-05	2.63E-06	5.79E-06	2.14E-05	1.89E-06	6.56E-07	3.76E-06	4.48E-07	5.96E-07	1.97E-06	1.36E-07
4877	469567.65	3818038.61	7.00E-06	2.94E-05	2.65E-06	5.83E-06	2.16E-05	1.90E-06	6.61E-07	3.78E-06	4.51E-07	6.01E-07	1.98E-06	1.37E-07
4878	469576.56	3818035.08	7.05E-06	2.96E-05	2.67E-06	5.87E-06	2.18E-05	1.91E-06	6.66E-07	3.81E-06	4.55E-07	6.05E-07	2.00E-06	1.38E-07
4879	469585.47	3818031.55	7.10E-06	2.98E-05	2.69E-06	5.91E-06	2.19E-05	1.93E-06	6.71E-07	3.84E-06	4.58E-07	6.10E-07	2.01E-06	1.39E-07
4880	469594.38	3818028.02	7.14E-06	3.00E-05	2.70E-06	5.95E-06	2.20E-05	1.94E-06	6.75E-07	3.86E-06	4.61E-07	6.13E-07	2.02E-06	1.39E-07
4881	469603.29	3818024.49	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.04E-06	1.40E-07
4882	469612.2	3818020.96	7.24E-06	3.04E-05	2.74E-06	6.03E-06	2.23E-05	1.96E-06	6.83E-07	3.91E-06	4.67E-07	6.21E-07	2.05E-06	1.41E-07
4883	469621.11	3818017.43	7.28E-06	3.06E-05	2.75E-06	6.06E-06	2.25E-05	1.98E-06	6.87E-07	3.93E-06	4.69E-07	6.25E-07	2.06E-06	1.42E-07
4884	469630.02	3818013.9	7.32E-06	3.07E-05	2.77E-06	6.09E-06	2.26E-05	1.99E-06	6.91E-07	3.96E-06	4.72E-07	6.28E-07	2.07E-06	1.43E-07
4885	469638.93	3818010.38	7.36E-06	3.09E-05	2.78E-06	6.13E-06	2.27E-05	2.00E-06	6.95E-07	3.98E-06	4.74E-07	6.31E-07	2.08E-06	1.44E-07
4886	469647.84	3818006.85	7.39E-06	3.11E-05	2.80E-06	6.16E-06	2.28E-05	2.01E-06	6.98E-07	4.00E-06	4.77E-07	6.35E-07	2.09E-06	1.44E-07
4887	469656.75	3818003.32	7.43E-06	3.12E-05	2.81E-06	6.19E-06	2.29E-05	2.02E-06	7.01E-07	4.02E-06	4.79E-07	6.38E-07	2.10E-06	1.45E-07

4888	469665.66	3817999.79	7.46E-06	3.13E-05	2.82E-06	6.21E-06	2.30E-05	2.03E-06	7.05E-07	4.03E-06	4.81E-07	6.41E-07	2.11E-06	1.46E-07
4889	469674.58	3817996.26	7.49E-06	3.15E-05	2.83E-06	6.24E-06	2.31E-05	2.03E-06	7.07E-07	4.05E-06	4.83E-07	6.43E-07	2.12E-06	1.46E-07
4890	469710.22	3817982.14	7.58E-06	3.18E-05	2.87E-06	6.31E-06	2.34E-05	2.06E-06	7.15E-07	4.10E-06	4.89E-07	6.50E-07	2.14E-06	1.48E-07
4891	469719.13	3817978.61	7.59E-06	3.19E-05	2.87E-06	6.32E-06	2.34E-05	2.06E-06	7.17E-07	4.10E-06	4.90E-07	6.52E-07	2.15E-06	1.48E-07
4892	469728.04	3817975.09	7.61E-06	3.19E-05	2.88E-06	6.33E-06	2.35E-05	2.06E-06	7.18E-07	4.11E-06	4.91E-07	6.53E-07	2.15E-06	1.48E-07
4893	469736.95	3817971.56	7.62E-06	3.20E-05	2.88E-06	6.35E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.91E-07	6.54E-07	2.16E-06	1.49E-07
4894	469745.86	3817968.03	7.63E-06	3.20E-05	2.89E-06	6.36E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.92E-07	6.55E-07	2.16E-06	1.49E-07
4895	469754.77	3817964.5	7.64E-06	3.21E-05	2.89E-06	6.36E-06	2.36E-05	2.07E-06	7.21E-07	4.13E-06	4.93E-07	6.56E-07	2.16E-06	1.49E-07
4896	469763.68	3817960.97	7.65E-06	3.21E-05	2.89E-06	6.37E-06	2.36E-05	2.08E-06	7.22E-07	4.13E-06	4.93E-07	6.57E-07	2.17E-06	1.49E-07
4897	469772.59	3817957.44	7.65E-06	3.21E-05	2.89E-06	6.38E-06	2.36E-05	2.08E-06	7.23E-07	4.14E-06	4.94E-07	6.57E-07	2.17E-06	1.49E-07
4898	469781.5	3817953.91	7.66E-06	3.22E-05	2.90E-06	6.38E-06	2.36E-05	2.08E-06	7.24E-07	4.14E-06	4.94E-07	6.58E-07	2.17E-06	1.50E-07
4899	469790.41	3817950.38	7.67E-06	3.22E-05	2.90E-06	6.39E-06	2.37E-05	2.08E-06	7.25E-07	4.15E-06	4.95E-07	6.59E-07	2.17E-06	1.50E-07
4900	469799.32	3817946.85	7.68E-06	3.22E-05	2.90E-06	6.40E-06	2.37E-05	2.08E-06	7.25E-07	4.15E-06	4.95E-07	6.59E-07	2.17E-06	1.50E-07
4901	469808.23	3817943.33	7.69E-06	3.23E-05	2.91E-06	6.41E-06	2.37E-05	2.09E-06	7.26E-07	4.16E-06	4.96E-07	6.60E-07	2.18E-06	1.50E-07
4902	469817.14	3817939.8	7.70E-06	3.23E-05	2.91E-06	6.42E-06	2.38E-05	2.09E-06	7.27E-07	4.16E-06	4.97E-07	6.61E-07	2.18E-06	1.50E-07
4903	469826.05	3817936.27	7.72E-06	3.24E-05	2.92E-06	6.43E-06	2.38E-05	2.10E-06	7.29E-07	4.17E-06	4.98E-07	6.63E-07	2.19E-06	1.51E-07
4904	469834.96	3817932.74	7.74E-06	3.25E-05	2.93E-06	6.45E-06	2.39E-05	2.10E-06	7.31E-07	4.18E-06	4.99E-07	6.64E-07	2.19E-06	1.51E-07
4905	469843.87	3817929.21	7.76E-06	3.26E-05	2.93E-06	6.46E-06	2.39E-05	2.11E-06	7.33E-07	4.19E-06	5.00E-07	6.66E-07	2.20E-06	1.51E-07
4906	469852.78	3817925.68	7.78E-06	3.27E-05	2.94E-06	6.48E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.68E-07	2.20E-06	1.52E-07
4907	469861.69	3817922.15	7.80E-06	3.28E-05	2.95E-06	6.50E-06	2.41E-05	2.12E-06	7.37E-07	4.22E-06	5.03E-07	6.70E-07	2.21E-06	1.52E-07
4908	469870.6	3817918.62	7.84E-06	3.29E-05	2.96E-06	6.53E-06	2.42E-05	2.13E-06	7.40E-07	4.24E-06	5.05E-07	6.73E-07	2.22E-06	1.53E-07
4909	469879.51	3817915.09	7.87E-06	3.31E-05	2.98E-06	6.56E-06	2.43E-05	2.14E-06	7.44E-07	4.26E-06	5.08E-07	6.76E-07	2.23E-06	1.54E-07
4910	469888.42	3817911.56	7.91E-06	3.32E-05	2.99E-06	6.59E-06	2.44E-05	2.15E-06	7.47E-07	4.28E-06	5.10E-07	6.79E-07	2.24E-06	1.54E-07
4911	469897.33	3817908.04	7.95E-06	3.34E-05	3.01E-06	6.62E-06	2.45E-05	2.16E-06	7.50E-07	4.30E-06	5.13E-07	6.82E-07	2.25E-06	1.55E-07
4912	469906.24	3817904.51	8.00E-06	3.36E-05	3.03E-06	6.66E-06	2.47E-05	2.17E-06	7.55E-07	4.32E-06	5.16E-07	6.87E-07	2.26E-06	1.56E-07
4913	469915.15	3817900.98	8.06E-06	3.38E-05	3.05E-06	6.71E-06	2.49E-05	2.19E-06	7.61E-07	4.36E-06	5.20E-07	6.92E-07	2.28E-06	1.57E-07
4914	469924.06	3817897.45	8.12E-06	3.41E-05	3.07E-06	6.76E-06	2.51E-05	2.20E-06	7.67E-07	4.39E-06	5.24E-07	6.97E-07	2.30E-06	1.58E-07
4915	469977.52	3817876.27	8.48E-06	3.56E-05	3.21E-06	7.06E-06	2.62E-05	2.30E-06	8.00E-07	4.58E-06	5.47E-07	7.28E-07	2.40E-06	1.65E-07
4916	469986.43	3817872.75	8.55E-06	3.59E-05	3.23E-06	7.12E-06	2.64E-05	2.32E-06	8.07E-07	4.62E-06	5.51E-07	7.34E-07	2.42E-06	1.67E-07
4917	469995.34	3817869.22	8.62E-06	3.62E-05	3.26E-06	7.18E-06	2.66E-05	2.34E-06	8.14E-07	4.66E-06	5.56E-07	7.40E-07	2.44E-06	1.68E-07
4918	470004.25	3817865.69	8.69E-06	3.65E-05	3.29E-06	7.24E-06	2.68E-05	2.36E-06	8.20E-07	4.70E-06	5.60E-07	7.46E-07	2.46E-06	1.70E-07
4919	470013.16	3817862.16	8.76E-06	3.68E-05	3.31E-06	7.29E-06	2.70E-05	2.38E-06	8.27E-07	4.73E-06	5.65E-07	7.52E-07	2.48E-06	1.71E-07
4920	470022.07	3817858.63	8.81E-06	3.70E-05	3.33E-06	7.34E-06	2.72E-05	2.39E-06	8.32E-07	4.76E-06	5.68E-07	7.57E-07	2.49E-06	1.72E-07
4921	470048.8	3817848.04	8.95E-06	3.76E-05	3.39E-06	7.46E-06	2.76E-05	2.43E-06	8.45E-07	4.84E-06	5.77E-07	7.69E-07	2.53E-06	1.75E-07
4922	470057.71	3817844.51	8.98E-06	3.77E-05	3.40E-06	7.48E-06	2.77E-05	2.44E-06	8.48E-07	4.86E-06	5.79E-07	7.71E-07	2.54E-06	1.75E-07
4923	470066.62	3817840.98	9.01E-06	3.78E-05	3.41E-06	7.50E-06	2.78E-05	2.44E-06	8.50E-07	4.87E-06	5.81E-07	7.73E-07	2.55E-06	1.76E-07
4924	470075.53	3817837.46	9.02E-06	3.79E-05	3.41E-06	7.51E-06	2.78E-05	2.45E-06	8.51E-07	4.87E-06	5.81E-07	7.74E-07	2.55E-06	1.76E-07
4925	470084.44	3817833.93	9.02E-06	3.79E-05	3.41E-06	7.51E-06	2.78E-05	2.45E-06	8.51E-07	4.87E-06	5.81E-07	7.74E-07	2.55E-06	1.76E-07
4926	470093.35	3817830.4	9.02E-06	3.79E-05	3.41E-06	7.51E-06	2.78E-05	2.45E-06	8.51E-07	4.87E-06	5.81E-07	7.74E-07	2.55E-06	1.76E-07
4927	470102.27	3817826.87	9.00E-06	3.78E-05	3.40E-06	7.50E-06	2.78E-05	2.44E-06	8.50E-07	4.87E-06	5.81E-07	7.73E-07	2.55E-06	1.76E-07
4928	468688.85	3819227.01	2.48E-06	1.04E-05	9.39E-07	2.07E-06	7.66E-06	6.74E-07	2.34E-07	1.34E-06	1.60E-07	2.13E-07	7.03E-07	4.84E-08
4929	468688.66	3819236.66	2.53E-06	1.06E-05	9.55E-07	2.10E-06	7.79E-06	6.86E-07	2.38E-07	1.37E-06	1.63E-07	2.17E-07	7.15E-07	4.93E-08
4930	468688.46	3819246.31	2.57E-06	1.08E-05	9.72E-07	2.14E-06	7.93E-06	6.97E-07	2.43E-07	1.39E-06	1.66E-07	2.21E-07	7.27E-07	5.01E-08
4931	468688.27	3819255.95	2.61E-06	1.10E-05	9.88E-07	2.18E-06	8.06E-06	7.09E-07	2.47E-07	1.41E-06	1.68E-07	2.24E-07	7.39E-07	5.10E-08
4932	468688.08	3819265.6	2.66E-06	1.12E-05	1.01E-06	2.22E-06	8.21E-06	7.22E-07	2.51E-07	1.44E-06	1.72E-07	2.28E-07	7.53E-07	5.19E-08
4933	468687.88	3819275.25	2.70E-06	1.14E-05	1.02E-06	2.25E-06	8.34E-06	7.34E-07	2.55E-07	1.46E-06	1.74E-07	2.32E-07	7.65E-07	5.28E-08
4934	468687.69	3819284.9	2.75E-06	1.15E-05	1.04E-06	2.29E-06	8.48E-06	7.46E-07	2.59E-07	1.48E-06	1.77E-07	2.36E-07	7.77E-07	5.36E-08
4935	468687.5	3819294.55	2.79E-06	1.17E-05	1.05E-06	2.32E-06	8.60E-06	7.56E-07	2.63E-07	1.51E-06	1.80E-07	2.39E-07	7.88E-07	5.44E-08
4936	468687.3	3819304.2	2.82E-06	1.19E-05	1.07E-06	2.35E-06	8.71E-06	7.67E-07	2.67E-07	1.53E-06	1.82E-07	2.42E-07	7.99E-07	5.51E-08
4937	468687.11	3819313.84	2.86E-06	1.20E-05	1.08E-06	2.38E-06	8.82E-06	7.76E-07	2.70E-07	1.54E-06	1.84E-07	2.45E-07	8.09E-07	5.58E-08
4938	468686.92	3819323.49	2.89E-06	1.21E-05	1.09E-06	2.41E-06	8.92E-06	7.85E-07	2.73E-07	1.56E-06	1.86E-07	2.48E-07	8.18E-07	5.64E-08
4939	468686.72	3819333.14	2.92E-06	1.23E-05	1.11E-06	2.44E-06	9.03E-06	7.94E-07	2.76E-07	1.58E-06	1.89E-07	2.51E-07	8.28E-07	5.71E-08
4940	468686.53	3819342.79	2.95E-06	1.24E-05	1.12E-06	2.46E-06	9.11E-06	8.02E-07	2.79E-07	1.60E-06	1.91E-07	2.54E-07	8.36E-07	5.76E-08
4941	468686.34	3819352.44	2.98E-06	1.25E-05	1.13E-06	2.48E-06	9.19E-06	8.08E-07	2.81E-07	1.61E-06	1.92E-07	2.56E-07	8.43E-07	5.81E-08
4942	468686.14	3819362.08	3.00E-06	1.26E-05	1.14E-06	2.50E-06	9.26E-06	8.15E-07	2.83E-07	1.62E-06	1.94E-07	2.58E-07	8.50E-07	5.86E-08
4943	468685.95	3819371.73	3.02E-06	1.27E-05	1.14E-06	2.52E-06	9.32E-06	8.20E-07	2.85E-07	1.63E-06	1.95E-07	2.59E-07	8.55E-07	5.89E-08
4944	468685.76	3819381.38	3.04E-06	1.28E-05	1.15E-06	2.53E-06	9.38E-06	8.25E-07	2.87E-07	1.64E-06	1.96E-07	2.61E-07	8.61E-07	5.93E-08
4945	468685.56	3819391.03	3.05E-06	1.28E-05	1.16E-06	2.54E-06	9.43E-06	8.29E-07	2.88E-07	1.65E-06	1.97E-07	2.62E-07	8.65E-07	5.96E-08
4946	468685.37	3819400.68	3.07E-06	1.29E-05	1.16E-06	2.56E-06	9.47E-06	8.33E-07	2.90E-07	1.66E-06	1.98E-07	2.63E-07	8.69E-07	5.99E-08
4947	468685.18	3819410.33	3.08E-06	1.30E-05	1.17E-06	2.57E-06	9.52E-06	8.37E-07	2.91E-07	1.67E-06	1.99E-07	2.65E-07	8.73E-07	6.02E-08
4948	468684.98	3819419.97	3.09E-06	1.30E-05	1.17E-06	2.58E-06	9.55E-06	8.40E-07	2.92E-07	1.67E-06	2.00E-07	2.66E-07	8.76E-07	6.04E-08
4949	468616.94	3819188.49	2.12E-06	8.89E-06	8.01E-07	1.76E-06	6.53E-06	5.75E-07	2.00E-07	1.14E-06	1.37E-07	1.82E-07	5.99E-07	4.13E-08
4950	468620.78	3819179.68	2.09E-06	8.79E-06	7.91E-07	1.74E-06	6.46E-06	5.68E-07	1.98E-07	1.13E-06	1.35E-07	1.80E-07	5.92E-07	4.08E-08
4951	468624.62	3819170.87	2.07E-06	8.71E-06	7.84E-07	1.73E-06	6.40E-06	5.63E-07	1.96E-07	1.12E-06	1.34E-07	1.78E-07	5.87E-07	4.05E-08
4952	468628.46	3819162.05	2.05E-06	8.61E-06	7.75E-07	1.71E-06	6.32E-06	5.56E-07	1.94E-07	1.11E-06	1.32E-07	1.76E-07	5.80E-07	4.00E-08
4953	468632.31	3819153.24	2.03E-06	8.51E-06	7.66E-07	1.69E-06	6.25E-06	5.50E-07	1.91E-07	1.09E-06	1.31E-07	1.74E-07	5.73E-07	3.95E-08
4954	468636.15	3819144.43	2.01E-06	8.42E-06	7.59E-07	1.67E-06	6.19E-06	5.45E-07	1.89E-07	1.08E-06	1.29E-07	1.72E-07	5.68E-07	3.91E-08
4955	468639.99	3819135.62	1.99E-06	8.34E-06	7.51E-07	1.65E-06	6.13E-06	5.39E-07	1.88E-07	1.07E-06	1.28E-07	1.71E-07	5.62E-07	3.88E-08
4956	468643.84	3819126.81	1.97E-06	8.28E-06	7.46E-07	1.64E-06	6.09E-06	5.35E-07	1.86E-07	1.07E-06	1.27E-07	1.69E-07	5.58E-07	3.85E-08
4957	468647.68	3819118	1.96E-06	8.22E-06	7.40E-07	1.63E-06	6.04E-06	5.31E-07	1.85E-07	1.06E-06	1.26E-07	1.68E-07	5.54E-07	3.82E-08
4958	468651.52	3819109.18	1.95E-06	8.18E-06	7.37E-07	1.62E-06	6.01E-06	5.29E-07	1.84E-07	1.05E-06	1.26E-07	1.67E-07	5.51E-07	3.80E-08
4959	468655.36	3819100.37	1.93E-06	8.12E-06	7.31E-07	1.61E-06	5.97E-06	5.25E-07	1.83E-07	1.05E-06	1.25E-07	1.66E-07	5.47E-07	3.77E-08
4960	468659.21	3819091.56	1.93E-06	8.10E-06	7.30E-07	1.61E-06	5.95E-06	5.24E-07	1.82E-07	1.04E-06	1.24E-07	1.66E-07	5.46E-07	3.76E-08

4961	468663.05	3819082.75	1.92E-06	8.06E-06	7.26E-07	1.60E-06	5.92E-06	5.21E-07	1.81E-07	1.04E-06	1.24E-07	1.65E-07	5.43E-07	3.75E-08
4962	468666.89	3819073.94	1.91E-06	8.04E-06	7.24E-07	1.59E-06	5.91E-06	5.20E-07	1.81E-07	1.04E-06	1.23E-07	1.64E-07	5.42E-07	3.74E-08
4963	468670.74	3819065.13	1.91E-06	8.02E-06	7.22E-07	1.59E-06	5.89E-06	5.18E-07	1.80E-07	1.03E-06	1.23E-07	1.64E-07	5.41E-07	3.73E-08
4964	468674.58	3819056.31	1.91E-06	8.02E-06	7.22E-07	1.59E-06	5.89E-06	5.18E-07	1.80E-07	1.03E-06	1.23E-07	1.64E-07	5.41E-07	3.73E-08
4965	468678.42	3819047.5	1.91E-06	8.00E-06	7.20E-07	1.59E-06	5.88E-06	5.17E-07	1.80E-07	1.03E-06	1.23E-07	1.64E-07	5.39E-07	3.72E-08
4966	468682.26	3819038.69	1.91E-06	8.00E-06	7.20E-07	1.59E-06	5.88E-06	5.17E-07	1.80E-07	1.03E-06	1.23E-07	1.64E-07	5.39E-07	3.72E-08
4967	468686.11	3819029.88	1.90E-06	7.98E-06	7.19E-07	1.58E-06	5.86E-06	5.16E-07	1.79E-07	1.03E-06	1.23E-07	1.63E-07	5.38E-07	3.71E-08
4968	468689.95	3819021.07	1.90E-06	7.98E-06	7.19E-07	1.58E-06	5.86E-06	5.16E-07	1.79E-07	1.03E-06	1.23E-07	1.63E-07	5.38E-07	3.71E-08
4969	468693.79	3819012.26	1.90E-06	7.98E-06	7.19E-07	1.58E-06	5.86E-06	5.16E-07	1.79E-07	1.03E-06	1.23E-07	1.63E-07	5.38E-07	3.71E-08
4970	468697.64	3819003.45	1.91E-06	8.00E-06	7.20E-07	1.59E-06	5.88E-06	5.17E-07	1.80E-07	1.03E-06	1.23E-07	1.64E-07	5.39E-07	3.72E-08
4971	468701.48	3818994.63	1.91E-06	8.02E-06	7.22E-07	1.59E-06	5.89E-06	5.18E-07	1.80E-07	1.03E-06	1.23E-07	1.64E-07	5.41E-07	3.73E-08
4972	468705.32	3818985.82	1.91E-06	8.04E-06	7.24E-07	1.59E-06	5.91E-06	5.20E-07	1.81E-07	1.04E-06	1.23E-07	1.64E-07	5.42E-07	3.74E-08
4973	468709.16	3818977.01	1.92E-06	8.06E-06	7.26E-07	1.60E-06	5.92E-06	5.21E-07	1.81E-07	1.04E-06	1.24E-07	1.65E-07	5.43E-07	3.75E-08
4974	468713.01	3818968.2	1.92E-06	8.08E-06	7.28E-07	1.60E-06	5.94E-06	5.22E-07	1.82E-07	1.04E-06	1.24E-07	1.65E-07	5.45E-07	3.75E-08
4975	468716.85	3818959.39	1.93E-06	8.12E-06	7.31E-07	1.61E-06	5.97E-06	5.25E-07	1.83E-07	1.05E-06	1.25E-07	1.66E-07	5.47E-07	3.77E-08
4976	468720.69	3818950.58	1.94E-06	8.14E-06	7.33E-07	1.61E-06	5.98E-06	5.26E-07	1.83E-07	1.05E-06	1.25E-07	1.66E-07	5.49E-07	3.78E-08
4977	468724.54	3818941.76	1.94E-06	8.16E-06	7.35E-07	1.62E-06	6.00E-06	5.28E-07	1.84E-07	1.05E-06	1.25E-07	1.67E-07	5.50E-07	3.79E-08
4978	468728.38	3818932.95	1.95E-06	8.20E-06	7.39E-07	1.63E-06	6.03E-06	5.30E-07	1.84E-07	1.06E-06	1.26E-07	1.68E-07	5.53E-07	3.81E-08
4979	468732.22	3818924.14	1.96E-06	8.22E-06	7.40E-07	1.63E-06	6.04E-06	5.31E-07	1.85E-07	1.06E-06	1.26E-07	1.68E-07	5.54E-07	3.82E-08
4980	468736.06	3818915.33	1.97E-06	8.28E-06	7.46E-07	1.64E-06	6.09E-06	5.35E-07	1.86E-07	1.07E-06	1.27E-07	1.69E-07	5.58E-07	3.85E-08
4981	468966.63	3818386.63	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.59E-08
4982	468970.48	3818377.82	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.59E-08
4983	468974.32	3818369.01	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.59E-08
4984	468978.16	3818360.2	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.59E-08
4985	468982.01	3818351.39	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.58E-08
4986	468985.85	3818342.57	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.58E-08
4987	468989.69	3818333.76	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.58E-08
4988	468993.53	3818324.95	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.67E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.58E-08
4989	468997.38	3818316.14	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.57E-08
4990	469001.22	3818307.33	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.57E-08
4991	469005.06	3818298.52	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.57E-08
4992	469008.9	3818289.71	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.57E-08
4993	469012.75	3818280.89	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.67E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.58E-08
4994	469016.59	3818272.08	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.58E-08
4995	469020.43	3818263.27	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.58E-08
4996	469024.28	3818254.46	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.58E-08
4997	469028.12	3818245.65	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.59E-08
4998	469031.96	3818236.84	3.90E-06	1.64E-05	1.47E-06	3.25E-06	1.20E-05	1.06E-06	3.68E-07	2.11E-06	2.51E-07	3.35E-07	1.10E-06	7.60E-08
4999	469035.8	3818228.02	3.91E-06	1.64E-05	1.48E-06	3.26E-06	1.21E-05	1.06E-06	3.69E-07	2.11E-06	2.52E-07	3.36E-07	1.11E-06	7.63E-08
5000	469039.65	3818219.21	3.93E-06	1.65E-05	1.48E-06	3.27E-06	1.21E-05	1.07E-06	3.71E-07	2.12E-06	2.53E-07	3.37E-07	1.11E-06	7.66E-08
5001	469043.49	3818210.4	3.94E-06	1.65E-05	1.49E-06	3.28E-06	1.22E-05	1.07E-06	3.72E-07	2.13E-06	2.54E-07	3.38E-07	1.12E-06	7.69E-08
5002	469047.33	3818201.59	3.95E-06	1.66E-05	1.50E-06	3.29E-06	1.22E-05	1.07E-06	3.73E-07	2.14E-06	2.55E-07	3.39E-07	1.12E-06	7.72E-08
5003	469051.18	3818192.78	3.97E-06	1.67E-05	1.50E-06	3.31E-06	1.23E-05	1.08E-06	3.75E-07	2.15E-06	2.56E-07	3.41E-07	1.12E-06	7.75E-08
5004	469055.02	3818183.97	4.00E-06	1.68E-05	1.51E-06	3.33E-06	1.23E-05	1.09E-06	3.77E-07	2.16E-06	2.58E-07	3.43E-07	1.13E-06	7.80E-08
5005	469058.86	3818175.15	4.02E-06	1.69E-05	1.52E-06	3.35E-06	1.24E-05	1.09E-06	3.79E-07	2.17E-06	2.59E-07	3.45E-07	1.14E-06	7.84E-08
5006	469062.7	3818166.34	4.04E-06	1.70E-05	1.53E-06	3.37E-06	1.25E-05	1.10E-06	3.82E-07	2.18E-06	2.61E-07	3.47E-07	1.14E-06	7.88E-08
5007	469075.48	3818153.99	4.13E-06	1.74E-05	1.56E-06	3.44E-06	1.28E-05	1.12E-06	3.90E-07	2.23E-06	2.67E-07	3.55E-07	1.17E-06	8.06E-08
5008	469084.42	3818150.45	4.20E-06	1.76E-05	1.59E-06	3.50E-06	1.30E-05	1.14E-06	3.97E-07	2.27E-06	2.71E-07	3.61E-07	1.19E-06	8.19E-08
5009	469093.36	3818146.91	4.27E-06	1.79E-05	1.61E-06	3.55E-06	1.32E-05	1.16E-06	4.03E-07	2.31E-06	2.75E-07	3.66E-07	1.21E-06	8.33E-08
5010	469102.3	3818143.37	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.80E-07	3.72E-07	1.23E-06	8.46E-08
5011	469111.24	3818139.83	4.40E-06	1.85E-05	1.66E-06	3.67E-06	1.36E-05	1.19E-06	4.16E-07	2.38E-06	2.84E-07	3.78E-07	1.25E-06	8.59E-08
5012	469120.17	3818136.29	4.47E-06	1.88E-05	1.69E-06	3.73E-06	1.38E-05	1.21E-06	4.22E-07	2.42E-06	2.89E-07	3.84E-07	1.27E-06	8.73E-08
5013	469129.11	3818132.75	4.54E-06	1.91E-05	1.72E-06	3.78E-06	1.40E-05	1.23E-06	4.29E-07	2.45E-06	2.93E-07	3.90E-07	1.29E-06	8.86E-08
5014	469138.05	3818129.21	4.60E-06	1.93E-05	1.74E-06	3.83E-06	1.42E-05	1.25E-06	4.35E-07	2.49E-06	2.97E-07	3.95E-07	1.30E-06	8.98E-08
5015	469146.99	3818125.67	4.67E-06	1.96E-05	1.77E-06	3.89E-06	1.44E-05	1.27E-06	4.41E-07	2.53E-06	3.01E-07	4.01E-07	1.32E-06	9.11E-08
5016	469155.92	3818122.13	4.73E-06	1.99E-05	1.79E-06	3.94E-06	1.46E-05	1.28E-06	4.47E-07	2.56E-06	3.05E-07	4.06E-07	1.34E-06	9.24E-08
5017	469164.86	3818118.59	4.80E-06	2.01E-05	1.81E-06	3.99E-06	1.48E-05	1.30E-06	4.53E-07	2.59E-06	3.09E-07	4.12E-07	1.36E-06	9.36E-08
5018	469173.8	3818115.05	4.85E-06	2.04E-05	1.84E-06	4.04E-06	1.50E-05	1.32E-06	4.58E-07	2.62E-06	3.13E-07	4.17E-07	1.37E-06	9.47E-08
5019	469182.74	3818111.51	4.91E-06	2.06E-05	1.86E-06	4.09E-06	1.51E-05	1.33E-06	4.63E-07	2.65E-06	3.16E-07	4.21E-07	1.39E-06	9.57E-08
5020	469191.67	3818107.97	4.96E-06	2.08E-05	1.88E-06	4.13E-06	1.53E-05	1.35E-06	4.68E-07	2.68E-06	3.20E-07	4.26E-07	1.40E-06	9.68E-08
5021	469200.61	3818104.43	5.01E-06	2.10E-05	1.89E-06	4.17E-06	1.55E-05	1.36E-06	4.73E-07	2.71E-06	3.23E-07	4.30E-07	1.42E-06	9.77E-08
5022	469209.55	3818100.89	5.05E-06	2.12E-05	1.91E-06	4.21E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.26E-07	4.34E-07	1.43E-06	9.86E-08
5023	469218.49	3818097.35	5.09E-06	2.14E-05	1.93E-06	4.24E-06	1.57E-05	1.38E-06	4.81E-07	2.75E-06	3.29E-07	4.37E-07	1.44E-06	9.94E-08
5024	469227.42	3818093.81	5.13E-06	2.16E-05	1.94E-06	4.28E-06	1.58E-05	1.39E-06	4.85E-07	2.77E-06	3.31E-07	4.41E-07	1.45E-06	1.00E-07
5025	469236.36	3818090.27	5.17E-06	2.17E-05	1.95E-06	4.30E-06	1.59E-05	1.40E-06	4.88E-07	2.79E-06	3.33E-07	4.44E-07	1.46E-06	1.01E-07
5026	469245.3	3818086.73	5.20E-06	2.18E-05	1.97E-06	4.33E-06	1.60E-05	1.41E-06	4.91E-07	2.81E-06	3.35E-07	4.46E-07	1.47E-06	1.01E-07
5027	469254.24	3818083.19	5.23E-06	2.20E-05	1.98E-06	4.36E-06	1.62E-05	1.42E-06	4.94E-07	2.83E-06	3.38E-07	4.49E-07	1.48E-06	1.02E-07
5028	469263.18	3818079.65	5.26E-06	2.21E-05	1.99E-06	4.38E-06	1.62E-05	1.43E-06	4.97E-07	2.85E-06	3.39E-07	4.52E-07	1.49E-06	1.03E-07
5029	469272.11	3818076.11	5.29E-06	2.22E-05	2.00E-06	4.41E-06	1.63E-05	1.44E-06	5.00E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
5030	469281.05	3818072.57	5.31E-06	2.23E-05	2.01E-06	4.42E-06	1.64E-05	1.44E-06	5.02E-07	2.87E-06	3.43E-07	4.56E-07	1.50E-06	1.04E-07
5031	469289.99	3818069.04	5.33E-06	2.24E-05	2.02E-06	4.44E-06	1.65E-05	1.45E-06	5.04E-07	2.88E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
5032	469298.93	3818065.5	5.36E-06	2.25E-05	2.03E-06	4.46E-06	1.65E-05	1.45E-06	5.06E-07	2.90E-06	3.46E-07	4.60E-07	1.52E-06	1.05E-07
5033	469307.86	3818061.96	5.38E-06	2.26E-05	2.03E-06	4.48E-06	1.66E-05	1.46E-06	5.08E-07	2.91E-06	3.47E-07	4.62E-07	1.52E-06	1.05E-07

5034	469316.8	3818058.42	5.40E-06	2.27E-05	2.04E-06	4.50E-06	1.67E-05	1.47E-06	5.10E-07	2.92E-06	3.48E-07	4.63E-07	1.53E-06	1.05E-07
5035	469325.74	3818054.88	5.41E-06	2.27E-05	2.05E-06	4.51E-06	1.67E-05	1.47E-06	5.11E-07	2.93E-06	3.49E-07	4.65E-07	1.53E-06	1.06E-07
5036	469334.68	3818051.34	5.43E-06	2.28E-05	2.05E-06	4.52E-06	1.68E-05	1.47E-06	5.13E-07	2.94E-06	3.50E-07	4.66E-07	1.54E-06	1.06E-07
5037	469343.61	3818047.8	5.45E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.15E-07	2.95E-06	3.52E-07	4.68E-07	1.54E-06	1.06E-07
5038	469352.55	3818044.26	5.47E-06	2.30E-05	2.07E-06	4.56E-06	1.69E-05	1.49E-06	5.17E-07	2.96E-06	3.53E-07	4.70E-07	1.55E-06	1.07E-07
5039	469361.49	3818040.72	5.50E-06	2.31E-05	2.08E-06	4.58E-06	1.70E-05	1.49E-06	5.19E-07	2.97E-06	3.55E-07	4.72E-07	1.56E-06	1.07E-07
5040	469370.43	3818037.18	5.53E-06	2.32E-05	2.09E-06	4.60E-06	1.71E-05	1.50E-06	5.22E-07	2.99E-06	3.57E-07	4.75E-07	1.56E-06	1.08E-07
5041	469379.36	3818033.64	5.56E-06	2.34E-05	2.10E-06	4.63E-06	1.72E-05	1.51E-06	5.25E-07	3.01E-06	3.59E-07	4.77E-07	1.57E-06	1.09E-07
5042	469388.3	3818030.1	5.60E-06	2.35E-05	2.12E-06	4.66E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.58E-06	1.09E-07
5043	469397.24	3818026.56	5.63E-06	2.36E-05	2.13E-06	4.69E-06	1.74E-05	1.53E-06	5.31E-07	3.04E-06	3.63E-07	4.83E-07	1.59E-06	1.10E-07
5044	469406.18	3818023.02	5.66E-06	2.38E-05	2.14E-06	4.71E-06	1.75E-05	1.54E-06	5.34E-07	3.06E-06	3.65E-07	4.86E-07	1.60E-06	1.10E-07
5045	469415.11	3818019.48	5.69E-06	2.39E-05	2.15E-06	4.74E-06	1.76E-05	1.54E-06	5.37E-07	3.08E-06	3.67E-07	4.89E-07	1.61E-06	1.11E-07
5046	469424.05	3818015.94	5.73E-06	2.41E-05	2.17E-06	4.77E-06	1.77E-05	1.56E-06	5.41E-07	3.10E-06	3.70E-07	4.92E-07	1.62E-06	1.12E-07
5047	469432.99	3818012.4	5.77E-06	2.42E-05	2.18E-06	4.80E-06	1.78E-05	1.57E-06	5.45E-07	3.12E-06	3.72E-07	4.95E-07	1.63E-06	1.13E-07
5048	469441.93	3818008.86	5.81E-06	2.44E-05	2.20E-06	4.84E-06	1.79E-05	1.58E-06	5.48E-07	3.14E-06	3.75E-07	4.98E-07	1.64E-06	1.13E-07
5049	469450.87	3818005.32	5.84E-06	2.45E-05	2.21E-06	4.87E-06	1.80E-05	1.59E-06	5.52E-07	3.16E-06	3.77E-07	5.02E-07	1.65E-06	1.14E-07
5050	469459.8	3818001.78	5.89E-06	2.47E-05	2.23E-06	4.91E-06	1.82E-05	1.60E-06	5.56E-07	3.19E-06	3.80E-07	5.06E-07	1.67E-06	1.15E-07
5051	469468.74	3817998.24	5.95E-06	2.50E-05	2.25E-06	4.95E-06	1.83E-05	1.61E-06	5.61E-07	3.21E-06	3.84E-07	5.10E-07	1.68E-06	1.16E-07
5052	469477.68	3817994.7	5.99E-06	2.52E-05	2.27E-06	4.99E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
5053	469486.62	3817991.16	6.04E-06	2.54E-05	2.28E-06	5.03E-06	1.86E-05	1.64E-06	5.70E-07	3.26E-06	3.89E-07	5.18E-07	1.71E-06	1.18E-07
5054	469495.55	3817987.62	6.08E-06	2.55E-05	2.30E-06	5.06E-06	1.88E-05	1.65E-06	5.74E-07	3.29E-06	3.92E-07	5.22E-07	1.72E-06	1.19E-07
5055	469504.49	3817984.08	6.12E-06	2.57E-05	2.32E-06	5.10E-06	1.89E-05	1.66E-06	5.78E-07	3.31E-06	3.95E-07	5.26E-07	1.73E-06	1.19E-07
5056	469513.43	3817980.54	6.17E-06	2.59E-05	2.33E-06	5.14E-06	1.90E-05	1.67E-06	5.82E-07	3.33E-06	3.98E-07	5.29E-07	1.75E-06	1.20E-07
5057	469522.37	3817977	6.22E-06	2.61E-05	2.35E-06	5.18E-06	1.92E-05	1.69E-06	5.87E-07	3.36E-06	4.01E-07	5.34E-07	1.76E-06	1.21E-07
5058	469531.3	3817973.46	6.26E-06	2.63E-05	2.37E-06	5.22E-06	1.93E-05	1.70E-06	5.91E-07	3.39E-06	4.04E-07	5.38E-07	1.77E-06	1.22E-07
5059	469540.24	3817969.92	6.31E-06	2.65E-05	2.39E-06	5.26E-06	1.95E-05	1.71E-06	5.96E-07	3.41E-06	4.07E-07	5.42E-07	1.79E-06	1.23E-07
5060	469549.18	3817966.38	6.35E-06	2.67E-05	2.40E-06	5.29E-06	1.96E-05	1.73E-06	6.00E-07	3.44E-06	4.10E-07	5.46E-07	1.80E-06	1.24E-07
5061	469558.12	3817962.84	6.40E-06	2.69E-05	2.42E-06	5.33E-06	1.97E-05	1.74E-06	6.04E-07	3.46E-06	4.13E-07	5.49E-07	1.81E-06	1.25E-07
5062	469567.05	3817959.3	6.44E-06	2.70E-05	2.43E-06	5.36E-06	1.99E-05	1.75E-06	6.08E-07	3.48E-06	4.15E-07	5.53E-07	1.82E-06	1.26E-07
5063	469575.99	3817955.76	6.48E-06	2.72E-05	2.45E-06	5.40E-06	2.00E-05	1.76E-06	6.12E-07	3.50E-06	4.18E-07	5.56E-07	1.83E-06	1.26E-07
5064	469584.93	3817952.22	6.52E-06	2.74E-05	2.47E-06	5.43E-06	2.01E-05	1.77E-06	6.16E-07	3.52E-06	4.20E-07	5.60E-07	1.85E-06	1.27E-07
5065	469593.87	3817948.68	6.56E-06	2.75E-05	2.48E-06	5.46E-06	2.02E-05	1.78E-06	6.19E-07	3.54E-06	4.23E-07	5.63E-07	1.86E-06	1.28E-07
5066	469602.8	3817945.14	6.59E-06	2.77E-05	2.49E-06	5.49E-06	2.03E-05	1.79E-06	6.22E-07	3.56E-06	4.25E-07	5.66E-07	1.87E-06	1.29E-07
5067	469611.74	3817941.6	6.62E-06	2.78E-05	2.51E-06	5.52E-06	2.04E-05	1.80E-06	6.26E-07	3.58E-06	4.27E-07	5.69E-07	1.88E-06	1.29E-07
5068	469620.68	3817938.06	6.66E-06	2.80E-05	2.52E-06	5.55E-06	2.05E-05	1.81E-06	6.29E-07	3.60E-06	4.29E-07	5.72E-07	1.88E-06	1.30E-07
5069	469629.62	3817934.52	6.69E-06	2.81E-05	2.53E-06	5.57E-06	2.06E-05	1.82E-06	6.31E-07	3.61E-06	4.31E-07	5.74E-07	1.89E-06	1.30E-07
5070	469638.56	3817930.98	6.72E-06	2.82E-05	2.54E-06	5.59E-06	2.07E-05	1.82E-06	6.34E-07	3.63E-06	4.33E-07	5.77E-07	1.90E-06	1.31E-07
5071	469647.49	3817927.44	6.74E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
5072	469656.43	3817923.9	6.77E-06	2.84E-05	2.56E-06	5.64E-06	2.09E-05	1.84E-06	6.39E-07	3.66E-06	4.37E-07	5.81E-07	1.92E-06	1.32E-07
5073	469665.37	3817920.36	6.79E-06	2.85E-05	2.57E-06	5.65E-06	2.09E-05	1.84E-06	6.41E-07	3.67E-06	4.38E-07	5.83E-07	1.92E-06	1.32E-07
5074	469674.31	3817916.82	6.80E-06	2.86E-05	2.57E-06	5.67E-06	2.10E-05	1.85E-06	6.42E-07	3.68E-06	4.39E-07	5.84E-07	1.93E-06	1.33E-07
5075	469683.24	3817913.28	6.82E-06	2.86E-05	2.58E-06	5.68E-06	2.10E-05	1.85E-06	6.44E-07	3.69E-06	4.40E-07	5.85E-07	1.93E-06	1.33E-07
5076	469710.06	3817902.66	6.85E-06	2.87E-05	2.59E-06	5.70E-06	2.11E-05	1.86E-06	6.46E-07	3.70E-06	4.42E-07	5.88E-07	1.94E-06	1.34E-07
5077	469754.74	3817884.96	6.86E-06	2.88E-05	2.60E-06	5.72E-06	2.12E-05	1.86E-06	6.48E-07	3.71E-06	4.43E-07	5.89E-07	1.94E-06	1.34E-07
5078	469763.68	3817881.42	6.86E-06	2.88E-05	2.60E-06	5.72E-06	2.12E-05	1.86E-06	6.48E-07	3.71E-06	4.43E-07	5.89E-07	1.94E-06	1.34E-07
5079	469772.62	3817877.88	6.87E-06	2.88E-05	2.60E-06	5.72E-06	2.12E-05	1.86E-06	6.49E-07	3.71E-06	4.43E-07	5.90E-07	1.94E-06	1.34E-07
5080	469781.56	3817874.34	6.87E-06	2.89E-05	2.60E-06	5.73E-06	2.12E-05	1.87E-06	6.49E-07	3.72E-06	4.43E-07	5.90E-07	1.95E-06	1.34E-07
5081	469790.5	3817870.8	6.88E-06	2.89E-05	2.60E-06	5.73E-06	2.12E-05	1.87E-06	6.50E-07	3.72E-06	4.44E-07	5.91E-07	1.95E-06	1.34E-07
5082	469799.43	3817867.26	6.88E-06	2.89E-05	2.60E-06	5.73E-06	2.12E-05	1.87E-06	6.50E-07	3.72E-06	4.44E-07	5.91E-07	1.95E-06	1.34E-07
5083	469808.37	3817863.72	6.89E-06	2.90E-05	2.61E-06	5.74E-06	2.13E-05	1.87E-06	6.51E-07	3.73E-06	4.45E-07	5.92E-07	1.95E-06	1.35E-07
5084	469817.31	3817860.18	6.90E-06	2.90E-05	2.61E-06	5.75E-06	2.13E-05	1.87E-06	6.52E-07	3.73E-06	4.45E-07	5.93E-07	1.95E-06	1.35E-07
5085	469826.25	3817856.64	6.92E-06	2.91E-05	2.62E-06	5.76E-06	2.13E-05	1.88E-06	6.53E-07	3.74E-06	4.46E-07	5.94E-07	1.96E-06	1.35E-07
5086	469835.18	3817853.1	6.93E-06	2.91E-05	2.62E-06	5.77E-06	2.14E-05	1.88E-06	6.55E-07	3.75E-06	4.47E-07	5.95E-07	1.96E-06	1.35E-07
5087	469844.12	3817849.56	6.95E-06	2.92E-05	2.63E-06	5.79E-06	2.15E-05	1.89E-06	6.56E-07	3.76E-06	4.48E-07	5.97E-07	1.97E-06	1.36E-07
5088	469853.06	3817846.02	6.97E-06	2.93E-05	2.63E-06	5.80E-06	2.15E-05	1.89E-06	6.58E-07	3.77E-06	4.49E-07	5.98E-07	1.97E-06	1.36E-07
5089	469862	3817842.48	6.98E-06	2.93E-05	2.64E-06	5.82E-06	2.16E-05	1.90E-06	6.60E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
5090	469870.93	3817838.95	7.01E-06	2.95E-05	2.65E-06	5.84E-06	2.16E-05	1.90E-06	6.62E-07	3.79E-06	4.52E-07	6.02E-07	1.99E-06	1.37E-07
5091	469879.87	3817835.41	7.05E-06	2.96E-05	2.67E-06	5.87E-06	2.18E-05	1.91E-06	6.66E-07	3.81E-06	4.55E-07	6.05E-07	2.00E-06	1.38E-07
5092	469888.81	3817831.87	7.10E-06	2.98E-05	2.68E-06	5.91E-06	2.19E-05	1.93E-06	6.70E-07	3.84E-06	4.58E-07	6.09E-07	2.01E-06	1.38E-07
5093	469897.75	3817828.33	7.14E-06	3.00E-05	2.70E-06	5.95E-06	2.20E-05	1.94E-06	6.74E-07	3.86E-06	4.60E-07	6.13E-07	2.02E-06	1.39E-07
5094	469906.68	3817824.79	7.18E-06	3.02E-05	2.72E-06	5.98E-06	2.22E-05	1.95E-06	6.78E-07	3.88E-06	4.63E-07	6.17E-07	2.03E-06	1.40E-07
5095	469915.62	3817821.25	7.23E-06	3.03E-05	2.73E-06	6.02E-06	2.23E-05	1.96E-06	6.82E-07	3.91E-06	4.66E-07	6.20E-07	2.05E-06	1.41E-07
5096	469924.56	3817817.71	7.28E-06	3.06E-05	2.75E-06	6.06E-06	2.25E-05	1.98E-06	6.87E-07	3.93E-06	4.69E-07	6.25E-07	2.06E-06	1.42E-07
5097	469933.5	3817814.17	7.34E-06	3.08E-05	2.77E-06	6.11E-06	2.26E-05	1.99E-06	6.93E-07	3.97E-06	4.73E-07	6.30E-07	2.08E-06	1.43E-07
5098	469942.43	3817810.63	7.41E-06	3.11E-05	2.80E-06	6.17E-06	2.29E-05	2.01E-06	7.00E-07	4.00E-06	4.78E-07	6.36E-07	2.10E-06	1.45E-07
5099	469951.37	3817807.09	7.48E-06	3.14E-05	2.83E-06	6.23E-06	2.31E-05	2.03E-06	7.06E-07	4.04E-06	4.82E-07	6.42E-07	2.12E-06	1.46E-07
5100	469960.31	3817803.55	7.55E-06	3.17E-05	2.86E-06	6.29E-06	2.33E-05	2.05E-06	7.13E-07	4.08E-06	4.87E-07	6.48E-07	2.14E-06	1.47E-07
5101	469969.25	3817800.01	7.63E-06	3.20E-05	2.89E-06	6.36E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.92E-07	6.55E-07	2.16E-06	1.49E-07
5102	469978.19	3817796.47	7.70E-06	3.23E-05	2.91E-06	6.42E-06	2.38E-05	2.09E-06	7.27E-07	4.16E-06	4.97E-07	6.61E-07	2.18E-06	1.50E-07
5103	469987.12	3817792.93	7.78E-06	3.27E-05	2.94E-06	6.48E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.68E-07	2.20E-06	1.52E-07
5104	469996.06	3817789.39	7.84E-06	3.29E-05	2.97E-06	6.53E-06	2.42E-05	2.13E-06	7.40E-07	4.24E-06	5.06E-07	6.73E-07	2.22E-06	1.53E-07
5105	470022.87	3817778.77	8.02E-06	3.37E-05	3.03E-06	6.68E-06	2.47E-05	2.18E-06	7.57E-07	4.34E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
5106	470031.81	3817775.23	8.07E-06	3.39E-05	3.05E-06	6.72E-06	2.49E-05	2.19E-06	7.62E-07	4.36E-06	5.21E-07	6.93E-07	2.28E-06	1.58E-07

5107	470040.75	3817771.69	8.12E-06	3.41E-05	3.07E-06	6.76E-06	2.51E-05	2.20E-06	7.67E-07	4.39E-06	5.24E-07	6.97E-07	2.30E-06	1.58E-07
5108	470049.69	3817768.15	8.16E-06	3.43E-05	3.09E-06	6.80E-06	2.52E-05	2.21E-06	7.70E-07	4.41E-06	5.26E-07	7.00E-07	2.31E-06	1.59E-07
5109	470058.62	3817764.61	8.19E-06	3.44E-05	3.10E-06	6.82E-06	2.53E-05	2.22E-06	7.73E-07	4.43E-06	5.28E-07	7.03E-07	2.32E-06	1.60E-07
5110	470067.56	3817761.07	8.21E-06	3.45E-05	3.10E-06	6.84E-06	2.53E-05	2.23E-06	7.75E-07	4.44E-06	5.29E-07	7.05E-07	2.32E-06	1.60E-07
5111	468608.86	3819225.41	2.25E-06	9.43E-06	8.50E-07	1.87E-06	6.93E-06	6.10E-07	2.12E-07	1.21E-06	1.45E-07	1.93E-07	6.36E-07	4.38E-08
5112	468608.67	3819235.06	2.29E-06	9.62E-06	8.66E-07	1.91E-06	7.07E-06	6.22E-07	2.16E-07	1.24E-06	1.48E-07	1.97E-07	6.48E-07	4.47E-08
5113	468608.48	3819244.7	2.33E-06	9.80E-06	8.82E-07	1.94E-06	7.20E-06	6.33E-07	2.20E-07	1.26E-06	1.50E-07	2.00E-07	6.60E-07	4.55E-08
5114	468608.28	3819254.35	2.37E-06	9.96E-06	8.97E-07	1.98E-06	7.32E-06	6.44E-07	2.24E-07	1.28E-06	1.53E-07	2.04E-07	6.71E-07	4.63E-08
5115	468608.09	3819264	2.41E-06	1.01E-05	9.13E-07	2.01E-06	7.45E-06	6.56E-07	2.28E-07	1.31E-06	1.56E-07	2.07E-07	6.84E-07	4.71E-08
5116	468607.9	3819273.65	2.45E-06	1.03E-05	9.28E-07	2.04E-06	7.57E-06	6.66E-07	2.32E-07	1.33E-06	1.58E-07	2.11E-07	6.94E-07	4.79E-08
5117	468607.71	3819283.3	2.49E-06	1.05E-05	9.42E-07	2.08E-06	7.69E-06	6.76E-07	2.35E-07	1.35E-06	1.61E-07	2.14E-07	7.05E-07	4.86E-08
5118	468607.51	3819292.95	2.53E-06	1.06E-05	9.55E-07	2.10E-06	7.79E-06	6.86E-07	2.38E-07	1.37E-06	1.63E-07	2.17E-07	7.15E-07	4.93E-08
5119	468607.32	3819302.59	2.56E-06	1.07E-05	9.68E-07	2.13E-06	7.90E-06	6.95E-07	2.42E-07	1.38E-06	1.65E-07	2.20E-07	7.24E-07	4.99E-08
5120	468607.13	3819312.24	2.59E-06	1.09E-05	9.81E-07	2.16E-06	8.00E-06	7.04E-07	2.45E-07	1.40E-06	1.67E-07	2.23E-07	7.34E-07	5.06E-08
5121	468606.93	3819321.89	2.62E-06	1.10E-05	9.92E-07	2.18E-06	8.09E-06	7.12E-07	2.48E-07	1.42E-06	1.69E-07	2.25E-07	7.42E-07	5.12E-08
5122	468606.74	3819331.54	2.65E-06	1.11E-05	1.00E-06	2.21E-06	8.18E-06	7.20E-07	2.50E-07	1.43E-06	1.71E-07	2.28E-07	7.50E-07	5.17E-08
5123	468606.55	3819341.19	2.68E-06	1.13E-05	1.01E-06	2.23E-06	8.27E-06	7.27E-07	2.53E-07	1.45E-06	1.73E-07	2.30E-07	7.58E-07	5.23E-08
5124	468606.35	3819350.83	2.70E-06	1.14E-05	1.02E-06	2.25E-06	8.34E-06	7.34E-07	2.55E-07	1.46E-06	1.74E-07	2.32E-07	7.65E-07	5.28E-08
5125	468606.16	3819360.48	2.73E-06	1.15E-05	1.03E-06	2.27E-06	8.42E-06	7.40E-07	2.58E-07	1.47E-06	1.76E-07	2.34E-07	7.72E-07	5.32E-08
5126	468605.97	3819370.13	2.75E-06	1.15E-05	1.04E-06	2.29E-06	8.48E-06	7.46E-07	2.59E-07	1.48E-06	1.77E-07	2.36E-07	7.77E-07	5.36E-08
5127	468605.77	3819379.78	2.76E-06	1.16E-05	1.04E-06	2.30E-06	8.52E-06	7.50E-07	2.61E-07	1.49E-06	1.78E-07	2.37E-07	7.82E-07	5.39E-08
5128	468605.58	3819389.43	2.78E-06	1.17E-05	1.05E-06	2.31E-06	8.57E-06	7.53E-07	2.62E-07	1.50E-06	1.79E-07	2.38E-07	7.86E-07	5.42E-08
5129	468605.39	3819399.08	2.79E-06	1.17E-05	1.06E-06	2.32E-06	8.61E-06	7.57E-07	2.63E-07	1.51E-06	1.80E-07	2.40E-07	7.90E-07	5.44E-08
5130	468605.19	3819408.72	2.80E-06	1.18E-05	1.06E-06	2.33E-06	8.64E-06	7.60E-07	2.64E-07	1.51E-06	1.81E-07	2.40E-07	7.93E-07	5.46E-08
5131	468605	3819418.37	2.80E-06	1.18E-05	1.06E-06	2.34E-06	8.65E-06	7.61E-07	2.65E-07	1.52E-06	1.81E-07	2.41E-07	7.94E-07	5.47E-08
5132	470093.02	3819664.65	5.54E-04	2.33E-03	2.10E-04	4.62E-04	1.71E-03	1.50E-04	5.23E-05	3.00E-04	3.57E-05	4.76E-05	1.57E-04	1.08E-05
5133	470084.4	3819660.93	5.51E-04	2.31E-03	2.08E-04	4.59E-04	1.70E-03	1.50E-04	5.20E-05	2.98E-04	3.55E-05	4.73E-05	1.56E-04	1.08E-05
5134	470075.78	3819657.2	5.46E-04	2.29E-03	2.07E-04	4.55E-04	1.69E-03	1.48E-04	5.16E-05	2.95E-04	3.52E-05	4.69E-05	1.55E-04	1.07E-05
5135	470067.17	3819653.47	5.40E-04	2.27E-03	2.04E-04	4.49E-04	1.67E-03	1.46E-04	5.10E-05	2.92E-04	3.48E-05	4.63E-05	1.53E-04	1.05E-05
5136	470101.64	3819668.38	5.55E-04	2.33E-03	2.10E-04	4.63E-04	1.71E-03	1.51E-04	5.25E-05	3.00E-04	3.58E-05	4.77E-05	1.57E-04	1.08E-05
5137	470111.33	3819668.51	5.67E-04	2.38E-03	2.14E-04	4.72E-04	1.75E-03	1.54E-04	5.35E-05	3.06E-04	3.66E-05	4.86E-05	1.60E-04	1.11E-05
5138	470121.03	3819668.65	5.76E-04	2.42E-03	2.18E-04	4.80E-04	1.78E-03	1.56E-04	5.44E-05	3.11E-04	3.72E-05	4.95E-05	1.63E-04	1.12E-05
5139	470130.73	3819668.78	5.84E-04	2.45E-03	2.21E-04	4.86E-04	1.80E-03	1.58E-04	5.51E-05	3.16E-04	3.76E-05	5.01E-05	1.65E-04	1.14E-05
5140	470140.43	3819668.92	5.89E-04	2.47E-03	2.23E-04	4.91E-04	1.82E-03	1.60E-04	5.56E-05	3.18E-04	3.80E-05	5.06E-05	1.67E-04	1.15E-05
5141	470150.12	3819669.05	5.92E-04	2.49E-03	2.24E-04	4.93E-04	1.83E-03	1.61E-04	5.59E-05	3.20E-04	3.82E-05	5.08E-05	1.68E-04	1.16E-05
5142	470159.82	3819669.19	5.93E-04	2.49E-03	2.24E-04	4.94E-04	1.83E-03	1.61E-04	5.60E-05	3.20E-04	3.82E-05	5.09E-05	1.68E-04	1.16E-05
5143	470169.52	3819669.32	5.91E-04	2.48E-03	2.24E-04	4.92E-04	1.82E-03	1.60E-04	5.58E-05	3.20E-04	3.81E-05	5.07E-05	1.67E-04	1.15E-05
5144	470179.22	3819669.46	5.87E-04	2.47E-03	2.22E-04	4.89E-04	1.81E-03	1.59E-04	5.55E-05	3.17E-04	3.79E-05	5.04E-05	1.66E-04	1.15E-05
5145	470188.91	3819669.59	5.81E-04	2.44E-03	2.20E-04	4.84E-04	1.79E-03	1.58E-04	5.49E-05	3.14E-04	3.75E-05	4.99E-05	1.65E-04	1.13E-05
5146	470198.61	3819669.73	5.73E-04	2.41E-03	2.17E-04	4.77E-04	1.77E-03	1.56E-04	5.41E-05	3.10E-04	3.70E-05	4.92E-05	1.62E-04	1.12E-05
5147	470208.31	3819669.86	5.63E-04	2.37E-03	2.13E-04	4.69E-04	1.74E-03	1.53E-04	5.32E-05	3.04E-04	3.63E-05	4.83E-05	1.59E-04	1.10E-05
5148	470218	3819670	5.51E-04	2.32E-03	2.09E-04	4.59E-04	1.70E-03	1.50E-04	5.21E-05	2.98E-04	3.56E-05	4.73E-05	1.56E-04	1.08E-05
5149	470227.7	3819670.13	5.38E-04	2.26E-03	2.04E-04	4.48E-04	1.66E-03	1.46E-04	5.08E-05	2.91E-04	3.47E-05	4.62E-05	1.52E-04	1.05E-05
5150	470237.4	3819670.27	5.24E-04	2.20E-03	1.98E-04	4.36E-04	1.62E-03	1.42E-04	4.95E-05	2.83E-04	3.38E-05	4.50E-05	1.48E-04	1.02E-05
5151	470247.1	3819670.4	5.09E-04	2.14E-03	1.92E-04	4.24E-04	1.57E-03	1.38E-04	4.80E-05	2.75E-04	3.28E-05	4.37E-05	1.44E-04	9.93E-06
5152	470256.79	3819670.54	4.93E-04	2.07E-03	1.86E-04	4.10E-04	1.52E-03	1.34E-04	4.65E-05	2.66E-04	3.18E-05	4.23E-05	1.39E-04	9.61E-06
5153	470266.49	3819670.67	4.76E-04	2.00E-03	1.80E-04	3.97E-04	1.47E-03	1.29E-04	4.50E-05	2.57E-04	3.07E-05	4.09E-05	1.35E-04	9.29E-06
5154	470092.9	3819684.72	5.01E-04	2.10E-03	1.89E-04	4.17E-04	1.55E-03	1.36E-04	4.73E-05	2.71E-04	3.23E-05	4.30E-05	1.42E-04	9.78E-06
5155	470084.44	3819681.06	4.99E-04	2.10E-03	1.89E-04	4.16E-04	1.54E-03	1.36E-04	4.71E-05	2.70E-04	3.22E-05	4.29E-05	1.41E-04	9.74E-06
5156	470075.98	3819677.4	4.96E-04	2.08E-03	1.88E-04	4.13E-04	1.53E-03	1.35E-04	4.68E-05	2.68E-04	3.20E-05	4.26E-05	1.40E-04	9.68E-06
5157	470067.52	3819673.74	4.91E-04	2.06E-03	1.86E-04	4.09E-04	1.52E-03	1.33E-04	4.64E-05	2.66E-04	3.17E-05	4.22E-05	1.39E-04	9.59E-06
5158	470059.05	3819670.08	4.86E-04	2.04E-03	1.84E-04	4.04E-04	1.50E-03	1.32E-04	4.59E-05	2.62E-04	3.13E-05	4.17E-05	1.37E-04	9.47E-06
5159	470050.59	3819666.42	4.78E-04	2.01E-03	1.81E-04	3.98E-04	1.48E-03	1.30E-04	4.52E-05	2.59E-04	3.09E-05	4.11E-05	1.35E-04	9.33E-06
5160	470042.13	3819662.77	4.70E-04	1.97E-03	1.78E-04	3.91E-04	1.45E-03	1.28E-04	4.44E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.17E-06
5161	470033.67	3819659.11	4.60E-04	1.93E-03	1.74E-04	3.83E-04	1.42E-03	1.25E-04	4.34E-05	2.49E-04	2.97E-05	3.95E-05	1.30E-04	8.98E-06
5162	470025.21	3819655.45	4.50E-04	1.89E-03	1.70E-04	3.74E-04	1.39E-03	1.22E-04	4.25E-05	2.43E-04	2.90E-05	3.86E-05	1.27E-04	8.77E-06
5163	470016.75	3819651.79	4.38E-04	1.84E-03	1.66E-04	3.65E-04	1.35E-03	1.19E-04	4.14E-05	2.37E-04	2.83E-05	3.76E-05	1.24E-04	8.55E-06
5164	470101.36	3819688.38	5.01E-04	2.11E-03	1.90E-04	4.18E-04	1.55E-03	1.36E-04	4.73E-05	2.71E-04	3.23E-05	4.30E-05	1.42E-04	9.78E-06
5165	470111.06	3819688.51	5.10E-04	2.14E-03	1.93E-04	4.25E-04	1.57E-03	1.38E-04	4.82E-05	2.76E-04	3.29E-05	4.38E-05	1.44E-04	9.95E-06
5166	470120.75	3819688.65	5.17E-04	2.17E-03	1.96E-04	4.31E-04	1.60E-03	1.40E-04	4.89E-05	2.80E-04	3.34E-05	4.44E-05	1.46E-04	1.01E-05
5167	470130.45	3819688.78	5.23E-04	2.20E-03	1.98E-04	4.36E-04	1.61E-03	1.42E-04	4.94E-05	2.83E-04	3.37E-05	4.49E-05	1.48E-04	1.02E-05
5168	470140.15	3819688.92	5.27E-04	2.21E-03	1.99E-04	4.39E-04	1.63E-03	1.43E-04	4.97E-05	2.85E-04	3.40E-05	4.52E-05	1.49E-04	1.03E-05
5169	470149.85	3819689.05	5.29E-04	2.22E-03	2.00E-04	4.40E-04	1.63E-03	1.44E-04	4.99E-05	2.86E-04	3.41E-05	4.54E-05	1.50E-04	1.03E-05
5170	470159.54	3819689.19	5.29E-04	2.22E-03	2.00E-04	4.40E-04	1.63E-03	1.44E-04	4.99E-05	2.86E-04	3.41E-05	4.54E-05	1.50E-04	1.03E-05
5171	470169.24	3819689.32	5.27E-04	2.21E-03	1.99E-04	4.39E-04	1.63E-03	1.43E-04	4.98E-05	2.85E-04	3.40E-05	4.52E-05	1.49E-04	1.03E-05
5172	470178.94	3819689.46	5.23E-04	2.20E-03	1.98E-04	4.36E-04	1.61E-03	1.42E-04	4.94E-05	2.83E-04	3.38E-05	4.49E-05	1.48E-04	1.02E-05
5173	470188.63	3819689.59	5.18E-04	2.18E-03	1.96E-04	4.31E-04	1.60E-03	1.41E-04	4.89E-05	2.80E-04	3.34E-05	4.45E-05	1.47E-04	1.01E-05
5174	470198.33	3819689.73	5.11E-04	2.15E-03	1.93E-04	4.26E-04	1.58E-03	1.39E-04	4.82E-05	2.76E-04	3.30E-05	4.39E-05	1.45E-04	9.97E-06
5175	470208.03	3819689.86	5.02E-04	2.11E-03	1.90E-04	4.18E-04	1.55E-03	1.36E-04	4.74E-05	2.72E-04	3.24E-05	4.31E-05	1.42E-04	9.80E-06
5176	470217.73	3819690	4.92E-04	2.07E-03	1.86E-04	4.10E-04	1.52E-03	1.34E-04	4.65E-05	2.66E-04	3.18E-05	4.23E-05	1.39E-04	9.61E-06
5177	470227.42	3819690.13	4.81E-04	2.02E-03	1.82E-04	4.01E-04	1.49E-03	1.31E-04	4.54E-05	2.60E-04	3.10E-05	4.13E-05	1.36E-04	9.39E-06
5178	470237.12	3819690.27	4.69E-04	1.97E-03	1.77E-04	3.91E-04	1.45E-03	1.27E-04	4.43E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.16E-06
5179	470246.82	3819690.4	4.56E-04	1.92E-03	1.73E-04	3.80E-04	1.41E-03	1.24E-04	4.31E-05	2.47E-04	2.94E-05	3.92E-05	1.29E-04	8.90E-06

5180	470256.51	3819690.54	4.43E-04	1.86E-03	1.67E-04	3.69E-04	1.37E-03	1.20E-04	4.18E-05	2.39E-04	2.86E-05	3.80E-05	1.25E-04	8.64E-06
5181	470266.21	3819690.67	4.29E-04	1.80E-03	1.62E-04	3.57E-04	1.32E-03	1.16E-04	4.05E-05	2.32E-04	2.77E-05	3.68E-05	1.21E-04	8.37E-06
5182	470092.35	3819704.6	4.55E-04	1.91E-03	1.72E-04	3.79E-04	1.40E-03	1.24E-04	4.30E-05	2.46E-04	2.93E-05	3.91E-05	1.29E-04	8.88E-06
5183	470083.62	3819700.82	4.54E-04	1.91E-03	1.72E-04	3.78E-04	1.40E-03	1.23E-04	4.29E-05	2.45E-04	2.93E-05	3.90E-05	1.29E-04	8.86E-06
5184	470074.89	3819697.05	4.52E-04	1.90E-03	1.71E-04	3.76E-04	1.39E-03	1.23E-04	4.27E-05	2.44E-04	2.91E-05	3.88E-05	1.28E-04	8.81E-06
5185	470066.16	3819693.28	4.48E-04	1.88E-03	1.69E-04	3.73E-04	1.38E-03	1.22E-04	4.23E-05	2.42E-04	2.89E-05	3.85E-05	1.27E-04	8.74E-06
5186	470057.43	3819689.5	4.43E-04	1.86E-03	1.68E-04	3.69E-04	1.37E-03	1.20E-04	4.19E-05	2.40E-04	2.86E-05	3.81E-05	1.26E-04	8.65E-06
5187	470048.7	3819685.73	4.38E-04	1.84E-03	1.65E-04	3.64E-04	1.35E-03	1.19E-04	4.13E-05	2.37E-04	2.82E-05	3.76E-05	1.24E-04	8.54E-06
5188	470039.97	3819681.95	4.30E-04	1.81E-03	1.63E-04	3.59E-04	1.33E-03	1.17E-04	4.06E-05	2.33E-04	2.78E-05	3.70E-05	1.22E-04	8.40E-06
5189	470031.24	3819678.18	4.22E-04	1.77E-03	1.60E-04	3.52E-04	1.30E-03	1.15E-04	3.99E-05	2.28E-04	2.72E-05	3.63E-05	1.20E-04	8.24E-06
5190	470022.51	3819674.4	4.14E-04	1.74E-03	1.56E-04	3.44E-04	1.28E-03	1.12E-04	3.91E-05	2.24E-04	2.67E-05	3.55E-05	1.17E-04	8.07E-06
5191	470013.78	3819670.63	4.04E-04	1.70E-03	1.53E-04	3.36E-04	1.25E-03	1.10E-04	3.81E-05	2.18E-04	2.60E-05	3.47E-05	1.14E-04	7.88E-06
5192	470005.06	3819666.85	3.94E-04	1.65E-03	1.49E-04	3.28E-04	1.21E-03	1.07E-04	3.72E-05	2.13E-04	2.54E-05	3.38E-05	1.11E-04	7.68E-06
5193	469996.33	3819663.08	3.83E-04	1.61E-03	1.45E-04	3.19E-04	1.18E-03	1.04E-04	3.61E-05	2.07E-04	2.47E-05	3.29E-05	1.08E-04	7.47E-06
5194	469987.6	3819659.3	3.71E-04	1.56E-03	1.40E-04	3.09E-04	1.15E-03	1.01E-04	3.51E-05	2.01E-04	2.40E-05	3.19E-05	1.05E-04	7.25E-06
5195	470101.08	3819708.37	4.55E-04	1.91E-03	1.72E-04	3.79E-04	1.40E-03	1.23E-04	4.29E-05	2.46E-04	2.93E-05	3.90E-05	1.29E-04	8.87E-06
5196	470110.78	3819708.51	4.62E-04	1.94E-03	1.75E-04	3.84E-04	1.42E-03	1.25E-04	4.36E-05	2.50E-04	2.98E-05	3.96E-05	1.31E-04	9.01E-06
5197	470120.48	3819708.64	4.67E-04	1.96E-03	1.77E-04	3.89E-04	1.44E-03	1.27E-04	4.41E-05	2.53E-04	3.01E-05	4.01E-05	1.32E-04	9.12E-06
5198	470130.17	3819708.78	4.71E-04	1.98E-03	1.78E-04	3.93E-04	1.45E-03	1.28E-04	4.45E-05	2.55E-04	3.04E-05	4.05E-05	1.33E-04	9.20E-06
5199	470139.87	3819708.91	4.74E-04	1.99E-03	1.79E-04	3.95E-04	1.46E-03	1.29E-04	4.48E-05	2.56E-04	3.06E-05	4.07E-05	1.34E-04	9.25E-06
5200	470149.57	3819709.05	4.75E-04	2.00E-03	1.80E-04	3.96E-04	1.47E-03	1.29E-04	4.49E-05	2.57E-04	3.07E-05	4.08E-05	1.35E-04	9.27E-06
5201	470159.26	3819709.18	4.75E-04	1.99E-03	1.80E-04	3.95E-04	1.47E-03	1.29E-04	4.48E-05	2.57E-04	3.06E-05	4.08E-05	1.34E-04	9.26E-06
5202	470168.96	3819709.32	4.73E-04	1.99E-03	1.79E-04	3.94E-04	1.46E-03	1.28E-04	4.47E-05	2.56E-04	3.05E-05	4.06E-05	1.34E-04	9.23E-06
5203	470178.66	3819709.45	4.69E-04	1.97E-03	1.78E-04	3.91E-04	1.45E-03	1.27E-04	4.43E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.16E-06
5204	470188.36	3819709.59	4.65E-04	1.95E-03	1.76E-04	3.87E-04	1.43E-03	1.26E-04	4.39E-05	2.51E-04	3.00E-05	3.99E-05	1.32E-04	9.07E-06
5205	470198.05	3819709.72	4.58E-04	1.93E-03	1.73E-04	3.82E-04	1.41E-03	1.24E-04	4.33E-05	2.48E-04	2.96E-05	3.94E-05	1.30E-04	8.94E-06
5206	470207.75	3819709.86	4.51E-04	1.89E-03	1.71E-04	3.76E-04	1.39E-03	1.22E-04	4.26E-05	2.44E-04	2.91E-05	3.87E-05	1.28E-04	8.80E-06
5207	470217.45	3819709.99	4.42E-04	1.86E-03	1.67E-04	3.69E-04	1.37E-03	1.20E-04	4.18E-05	2.39E-04	2.85E-05	3.80E-05	1.25E-04	8.63E-06
5208	470227.14	3819710.13	4.33E-04	1.82E-03	1.64E-04	3.61E-04	1.34E-03	1.18E-04	4.09E-05	2.34E-04	2.79E-05	3.72E-05	1.23E-04	8.45E-06
5209	470236.84	3819710.26	4.23E-04	1.78E-03	1.60E-04	3.52E-04	1.30E-03	1.15E-04	3.99E-05	2.29E-04	2.73E-05	3.63E-05	1.20E-04	8.25E-06
5210	470246.54	3819710.4	4.12E-04	1.73E-03	1.56E-04	3.43E-04	1.27E-03	1.12E-04	3.89E-05	2.23E-04	2.66E-05	3.54E-05	1.17E-04	8.04E-06
5211	470256.24	3819710.53	4.01E-04	1.68E-03	1.51E-04	3.34E-04	1.24E-03	1.09E-04	3.78E-05	2.17E-04	2.58E-05	3.44E-05	1.13E-04	7.82E-06
5212	470265.93	3819710.67	3.89E-04	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.06E-04	3.67E-05	2.10E-04	2.51E-05	3.34E-05	1.10E-04	7.59E-06
5213	470092.22	3819724.66	4.15E-04	1.74E-03	1.57E-04	3.46E-04	1.28E-03	1.13E-04	3.92E-05	2.24E-04	2.68E-05	3.56E-05	1.17E-04	8.10E-06
5214	470083.64	3819720.95	4.15E-04	1.74E-03	1.57E-04	3.45E-04	1.28E-03	1.13E-04	3.92E-05	2.24E-04	2.68E-05	3.56E-05	1.17E-04	8.09E-06
5215	470075.05	3819717.24	4.13E-04	1.74E-03	1.56E-04	3.44E-04	1.28E-03	1.12E-04	3.90E-05	2.23E-04	2.67E-05	3.55E-05	1.17E-04	8.07E-06
5216	470066.47	3819713.53	4.11E-04	1.73E-03	1.55E-04	3.42E-04	1.27E-03	1.12E-04	3.88E-05	2.22E-04	2.65E-05	3.53E-05	1.16E-04	8.02E-06
5217	470014.97	3819691.25	3.77E-04	1.58E-03	1.43E-04	3.14E-04	1.16E-03	1.02E-04	3.56E-05	2.04E-04	2.43E-05	3.24E-05	1.07E-04	7.35E-06
5218	470006.38	3819687.54	3.69E-04	1.55E-03	1.39E-04	3.07E-04	1.14E-03	1.00E-04	3.48E-05	1.99E-04	2.38E-05	3.17E-05	1.04E-04	7.19E-06
5219	469997.8	3819683.83	3.60E-04	1.51E-03	1.36E-04	3.00E-04	1.11E-03	9.77E-05	3.40E-05	1.95E-04	2.32E-05	3.09E-05	1.02E-04	7.03E-06
5220	469989.22	3819680.12	3.51E-04	1.47E-03	1.33E-04	2.92E-04	1.08E-03	9.53E-05	3.31E-05	1.90E-04	2.26E-05	3.01E-05	9.93E-05	6.85E-06
5221	469980.63	3819676.41	3.41E-04	1.43E-03	1.29E-04	2.84E-04	1.05E-03	9.27E-05	3.22E-05	1.85E-04	2.20E-05	2.93E-05	9.66E-05	6.66E-06
5222	470100.8	3819728.37	4.14E-04	1.74E-03	1.57E-04	3.45E-04	1.28E-03	1.12E-04	3.91E-05	2.24E-04	2.67E-05	3.55E-05	1.17E-04	8.08E-06
5223	470110.5	3819728.51	4.19E-04	1.76E-03	1.59E-04	3.49E-04	1.29E-03	1.14E-04	3.96E-05	2.27E-04	2.70E-05	3.60E-05	1.19E-04	8.18E-06
5224	470120.2	3819728.64	4.24E-04	1.78E-03	1.60E-04	3.53E-04	1.31E-03	1.15E-04	4.00E-05	2.29E-04	2.73E-05	3.64E-05	1.20E-04	8.27E-06
5225	470129.89	3819728.78	4.27E-04	1.79E-03	1.61E-04	3.55E-04	1.32E-03	1.16E-04	4.03E-05	2.31E-04	2.75E-05	3.66E-05	1.21E-04	8.33E-06
5226	470139.59	3819728.91	4.29E-04	1.80E-03	1.62E-04	3.57E-04	1.32E-03	1.16E-04	4.05E-05	2.32E-04	2.76E-05	3.68E-05	1.21E-04	8.36E-06
5227	470149.29	3819729.05	4.29E-04	1.80E-03	1.62E-04	3.57E-04	1.32E-03	1.16E-04	4.05E-05	2.32E-04	2.77E-05	3.68E-05	1.21E-04	8.37E-06
5228	470158.99	3819729.18	4.28E-04	1.80E-03	1.62E-04	3.57E-04	1.32E-03	1.16E-04	4.05E-05	2.32E-04	2.76E-05	3.68E-05	1.21E-04	8.36E-06
5229	470168.68	3819729.32	4.26E-04	1.79E-03	1.61E-04	3.55E-04	1.32E-03	1.16E-04	4.03E-05	2.31E-04	2.75E-05	3.66E-05	1.21E-04	8.32E-06
5230	470178.38	3819729.45	4.23E-04	1.78E-03	1.60E-04	3.53E-04	1.31E-03	1.15E-04	4.00E-05	2.29E-04	2.73E-05	3.63E-05	1.20E-04	8.26E-06
5231	470188.08	3819729.59	4.19E-04	1.76E-03	1.58E-04	3.49E-04	1.29E-03	1.14E-04	3.95E-05	2.26E-04	2.70E-05	3.60E-05	1.19E-04	8.17E-06
5232	470197.77	3819729.72	4.13E-04	1.74E-03	1.56E-04	3.44E-04	1.28E-03	1.12E-04	3.90E-05	2.23E-04	2.67E-05	3.55E-05	1.17E-04	8.07E-06
5233	470207.47	3819729.86	4.07E-04	1.71E-03	1.54E-04	3.39E-04	1.26E-03	1.10E-04	3.84E-05	2.20E-04	2.62E-05	3.49E-05	1.15E-04	7.94E-06
5234	470217.17	3819729.99	4.00E-04	1.68E-03	1.51E-04	3.33E-04	1.23E-03	1.08E-04	3.77E-05	2.16E-04	2.58E-05	3.43E-05	1.13E-04	7.80E-06
5235	470226.87	3819730.13	3.91E-04	1.64E-03	1.48E-04	3.26E-04	1.21E-03	1.06E-04	3.70E-05	2.12E-04	2.52E-05	3.36E-05	1.11E-04	7.64E-06
5236	470236.56	3819730.26	3.83E-04	1.61E-03	1.45E-04	3.19E-04	1.18E-03	1.04E-04	3.62E-05	2.07E-04	2.47E-05	3.29E-05	1.08E-04	7.47E-06
5237	470246.26	3819730.4	3.74E-04	1.57E-03	1.41E-04	3.11E-04	1.15E-03	1.01E-04	3.53E-05	2.02E-04	2.41E-05	3.21E-05	1.06E-04	7.29E-06
5238	470255.96	3819730.53	3.64E-04	1.53E-03	1.38E-04	3.03E-04	1.12E-03	9.88E-05	3.44E-05	1.97E-04	2.35E-05	3.13E-05	1.03E-04	7.11E-06
5239	470265.66	3819730.67	3.54E-04	1.49E-03	1.34E-04	2.95E-04	1.09E-03	9.61E-05	3.34E-05	1.91E-04	2.28E-05	3.04E-05	1.00E-04	6.91E-06
5240	470091.71	3819744.56	3.80E-04	1.60E-03	1.44E-04	3.16E-04	1.17E-03	1.03E-04	3.59E-05	2.05E-04	2.45E-05	3.26E-05	1.08E-04	7.41E-06
5241	470082.9	3819740.75	3.80E-04	1.60E-03	1.44E-04	3.17E-04	1.17E-03	1.03E-04	3.59E-05	2.06E-04	2.45E-05	3.26E-05	1.08E-04	7.42E-06
5242	470074.08	3819736.94	3.79E-04	1.59E-03	1.44E-04	3.16E-04	1.17E-03	1.03E-04	3.58E-05	2.05E-04	2.45E-05	3.26E-05	1.07E-04	7.40E-06
5243	470065.27	3819733.13	3.78E-04	1.59E-03	1.43E-04	3.15E-04	1.17E-03	1.03E-04	3.57E-05	2.04E-04	2.44E-05	3.24E-05	1.07E-04	7.37E-06
5244	470100.52	3819748.37	3.79E-04	1.59E-03	1.43E-04	3.15E-04	1.17E-03	1.03E-04	3.57E-05	2.05E-04	2.44E-05	3.25E-05	1.07E-04	7.39E-06
5245	470110.22	3819748.51	3.83E-04	1.61E-03	1.45E-04	3.19E-04	1.18E-03	1.04E-04	3.61E-05	2.07E-04	2.47E-05	3.29E-05	1.08E-04	7.47E-06
5246	470119.92	3819748.64	3.86E-04	1.62E-03	1.46E-04	3.22E-04	1.19E-03	1.05E-04	3.65E-05	2.09E-04	2.49E-05	3.31E-05	1.09E-04	7.53E-06
5247	470129.62	3819748.78	3.88E-04	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.05E-04	3.67E-05	2.10E-04	2.51E-05	3.33E-05	1.10E-04	7.58E-06
5248	470139.31	3819748.91	3.90E-04	1.64E-03	1.47E-04	3.25E-04	1.20E-03	1.06E-04	3.68E-05	2.11E-04	2.51E-05	3.35E-05	1.10E-04	7.60E-06
5249	470149.01	3819749.05	3.90E-04	1.64E-03	1.47E-04	3.25E-04	1.20E-03	1.06E-04	3.68E-05	2.11E-04	2.51E-05	3.35E-05	1.10E-04	7.61E-06
5250	470158.71	3819749.18	3.89E-04	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.06E-04	3.67E-05	2.10E-04	2.51E-05	3.34E-05	1.10E-04	7.59E-06
5251	470168.4	3819749.32	3.87E-04	1.63E-03	1.46E-04	3.22E-04	1.19E-03	1.05E-04	3.65E-05	2.09E-04	2.50E-05	3.32E-05	1.10E-04	7.55E-06
5252	470178.1	3819749.45	3.84E-04	1.61E-03	1.45E-04	3.20E-04	1.18E-03	1.04E-04	3.63E-05	2.08E-04	2.48E-05	3.30E-05	1.09E-04	7.49E-06

5253	470187.8	3819749.59	3.80E-04	1.60E-03	1.44E-04	3.17E-04	1.17E-03	1.03E-04	3.59E-05	2.05E-04	2.45E-05	3.26E-05	1.08E-04	7.42E-06
5254	470197.5	3819749.72	3.75E-04	1.58E-03	1.42E-04	3.12E-04	1.16E-03	1.02E-04	3.54E-05	2.03E-04	2.42E-05	3.22E-05	1.06E-04	7.32E-06
5255	470207.19	3819749.86	3.69E-04	1.55E-03	1.40E-04	3.08E-04	1.14E-03	1.00E-04	3.49E-05	2.00E-04	2.38E-05	3.17E-05	1.05E-04	7.21E-06
5256	470216.89	3819749.99	3.63E-04	1.52E-03	1.37E-04	3.02E-04	1.12E-03	9.86E-05	3.43E-05	1.96E-04	2.34E-05	3.12E-05	1.03E-04	7.09E-06
5257	470226.59	3819750.13	3.56E-04	1.50E-03	1.35E-04	2.97E-04	1.10E-03	9.67E-05	3.36E-05	1.92E-04	2.30E-05	3.06E-05	1.01E-04	6.95E-06
5258	470236.29	3819750.26	3.49E-04	1.46E-03	1.32E-04	2.90E-04	1.08E-03	9.46E-05	3.29E-05	1.88E-04	2.25E-05	2.99E-05	9.87E-05	6.80E-06
5259	470245.98	3819750.4	3.41E-04	1.43E-03	1.29E-04	2.84E-04	1.05E-03	9.25E-05	3.22E-05	1.84E-04	2.20E-05	2.92E-05	9.64E-05	6.65E-06
5260	470255.68	3819750.53	3.32E-04	1.40E-03	1.26E-04	2.77E-04	1.03E-03	9.02E-05	3.14E-05	1.80E-04	2.14E-05	2.85E-05	9.41E-05	6.49E-06
5261	470265.38	3819750.67	3.24E-04	1.36E-03	1.22E-04	2.70E-04	9.99E-04	8.79E-05	3.06E-05	1.75E-04	2.09E-05	2.78E-05	9.16E-05	6.32E-06
5262	470091.09	3819784.53	3.22E-04	1.35E-03	1.22E-04	2.68E-04	9.94E-04	8.75E-05	3.04E-05	1.74E-04	2.08E-05	2.77E-05	9.12E-05	6.29E-06
5263	470082.21	3819780.69	3.23E-04	1.36E-03	1.22E-04	2.69E-04	9.97E-04	8.77E-05	3.05E-05	1.75E-04	2.08E-05	2.77E-05	9.14E-05	6.30E-06
5264	470073.33	3819776.85	3.23E-04	1.36E-03	1.22E-04	2.69E-04	9.97E-04	8.77E-05	3.05E-05	1.75E-04	2.08E-05	2.77E-05	9.14E-05	6.30E-06
5265	470064.45	3819773.01	3.22E-04	1.35E-03	1.22E-04	2.68E-04	9.94E-04	8.75E-05	3.04E-05	1.74E-04	2.08E-05	2.77E-05	9.12E-05	6.29E-06
5266	470099.97	3819788.37	3.21E-04	1.35E-03	1.21E-04	2.67E-04	9.89E-04	8.70E-05	3.03E-05	1.73E-04	2.07E-05	2.75E-05	9.08E-05	6.26E-06
5267	470109.66	3819788.5	3.23E-04	1.36E-03	1.22E-04	2.69E-04	9.98E-04	8.78E-05	3.05E-05	1.75E-04	2.09E-05	2.78E-05	9.15E-05	6.31E-06
5268	470119.36	3819788.64	3.25E-04	1.37E-03	1.23E-04	2.71E-04	1.00E-03	8.83E-05	3.07E-05	1.76E-04	2.10E-05	2.79E-05	9.21E-05	6.35E-06
5269	470129.06	3819788.77	3.27E-04	1.37E-03	1.23E-04	2.72E-04	1.01E-03	8.86E-05	3.08E-05	1.77E-04	2.11E-05	2.80E-05	9.24E-05	6.37E-06
5270	470138.76	3819788.91	3.27E-04	1.37E-03	1.24E-04	2.72E-04	1.01E-03	8.88E-05	3.09E-05	1.77E-04	2.11E-05	2.81E-05	9.26E-05	6.38E-06
5271	470148.45	3819789.04	3.27E-04	1.37E-03	1.24E-04	2.72E-04	1.01E-03	8.87E-05	3.08E-05	1.77E-04	2.11E-05	2.80E-05	9.25E-05	6.37E-06
5272	470158.15	3819789.18	3.25E-04	1.37E-03	1.23E-04	2.71E-04	1.00E-03	8.84E-05	3.07E-05	1.76E-04	2.10E-05	2.79E-05	9.21E-05	6.35E-06
5273	470167.85	3819789.31	3.24E-04	1.36E-03	1.22E-04	2.70E-04	9.99E-04	8.78E-05	3.06E-05	1.75E-04	2.09E-05	2.78E-05	9.16E-05	6.31E-06
5274	470177.54	3819789.45	3.21E-04	1.35E-03	1.21E-04	2.67E-04	9.90E-04	8.71E-05	3.03E-05	1.74E-04	2.07E-05	2.76E-05	9.09E-05	6.26E-06
5275	470187.24	3819789.58	3.18E-04	1.33E-03	1.20E-04	2.65E-04	9.80E-04	8.62E-05	3.00E-05	1.72E-04	2.05E-05	2.73E-05	8.99E-05	6.20E-06
5276	470196.94	3819789.72	3.14E-04	1.32E-03	1.19E-04	2.61E-04	9.68E-04	8.52E-05	2.96E-05	1.70E-04	2.02E-05	2.69E-05	8.88E-05	6.12E-06
5277	470206.64	3819789.85	3.09E-04	1.30E-03	1.17E-04	2.58E-04	9.55E-04	8.40E-05	2.92E-05	1.67E-04	2.00E-05	2.66E-05	8.76E-05	6.04E-06
5278	470216.33	3819789.99	3.04E-04	1.28E-03	1.15E-04	2.53E-04	9.39E-04	8.26E-05	2.87E-05	1.65E-04	1.96E-05	2.61E-05	8.61E-05	5.94E-06
5279	470226.03	3819790.12	2.99E-04	1.26E-03	1.13E-04	2.49E-04	9.22E-04	8.12E-05	2.82E-05	1.62E-04	1.93E-05	2.57E-05	8.46E-05	5.83E-06
5280	470235.73	3819790.26	2.93E-04	1.23E-03	1.11E-04	2.44E-04	9.05E-04	7.96E-05	2.77E-05	1.58E-04	1.89E-05	2.52E-05	8.30E-05	5.72E-06
5281	470245.43	3819790.39	2.87E-04	1.21E-03	1.09E-04	2.39E-04	8.86E-04	7.79E-05	2.71E-05	1.55E-04	1.85E-05	2.46E-05	8.13E-05	5.60E-06
5282	470255.12	3819790.53	2.81E-04	1.18E-03	1.06E-04	2.34E-04	8.66E-04	7.62E-05	2.65E-05	1.52E-04	1.81E-05	2.41E-05	7.95E-05	5.48E-06
5283	470264.82	3819790.66	2.74E-04	1.15E-03	1.04E-04	2.28E-04	8.46E-04	7.44E-05	2.59E-05	1.48E-04	1.77E-05	2.35E-05	7.76E-05	5.35E-06
5284	470090.77	3819824.63	2.77E-04	1.16E-03	1.05E-04	2.31E-04	8.55E-04	7.52E-05	2.61E-05	1.50E-04	1.79E-05	2.38E-05	7.84E-05	5.40E-06
5285	470082.12	3819820.89	2.78E-04	1.17E-03	1.05E-04	2.32E-04	8.58E-04	7.55E-05	2.63E-05	1.50E-04	1.79E-05	2.39E-05	7.87E-05	5.43E-06
5286	470073.48	3819817.15	2.79E-04	1.17E-03	1.05E-04	2.32E-04	8.60E-04	7.56E-05	2.63E-05	1.51E-04	1.80E-05	2.39E-05	7.88E-05	5.44E-06
5287	470064.84	3819813.41	2.78E-04	1.17E-03	1.05E-04	2.32E-04	8.59E-04	7.56E-05	2.63E-05	1.51E-04	1.80E-05	2.39E-05	7.88E-05	5.43E-06
5288	470099.41	3819828.36	2.75E-04	1.16E-03	1.04E-04	2.29E-04	8.49E-04	7.47E-05	2.60E-05	1.49E-04	1.78E-05	2.36E-05	7.79E-05	5.37E-06
5289	470109.11	3819828.5	2.77E-04	1.16E-03	1.05E-04	2.31E-04	8.54E-04	7.52E-05	2.61E-05	1.50E-04	1.79E-05	2.38E-05	7.84E-05	5.40E-06
5290	470118.8	3819828.63	2.78E-04	1.17E-03	1.05E-04	2.32E-04	8.58E-04	7.55E-05	2.63E-05	1.50E-04	1.79E-05	2.39E-05	7.87E-05	5.42E-06
5291	470128.5	3819828.77	2.79E-04	1.17E-03	1.05E-04	2.32E-04	8.60E-04	7.56E-05	2.63E-05	1.51E-04	1.80E-05	2.39E-05	7.88E-05	5.44E-06
5292	470138.2	3819828.9	2.79E-04	1.17E-03	1.05E-04	2.32E-04	8.60E-04	7.56E-05	2.63E-05	1.51E-04	1.80E-05	2.39E-05	7.88E-05	5.44E-06
5293	470147.9	3819829.04	2.78E-04	1.17E-03	1.05E-04	2.31E-04	8.58E-04	7.54E-05	2.62E-05	1.50E-04	1.79E-05	2.39E-05	7.87E-05	5.42E-06
5294	470157.59	3819829.17	2.77E-04	1.16E-03	1.05E-04	2.30E-04	8.54E-04	7.51E-05	2.61E-05	1.50E-04	1.78E-05	2.38E-05	7.83E-05	5.40E-06
5295	470167.29	3819829.31	2.75E-04	1.15E-03	1.04E-04	2.29E-04	8.48E-04	7.46E-05	2.60E-05	1.49E-04	1.77E-05	2.36E-05	7.78E-05	5.36E-06
5296	470176.99	3819829.44	2.73E-04	1.15E-03	1.03E-04	2.27E-04	8.41E-04	7.40E-05	2.57E-05	1.47E-04	1.76E-05	2.34E-05	7.72E-05	5.32E-06
5297	470186.69	3819829.58	2.70E-04	1.13E-03	1.02E-04	2.25E-04	8.33E-04	7.33E-05	2.55E-05	1.46E-04	1.74E-05	2.32E-05	7.64E-05	5.27E-06
5298	470196.38	3819829.71	2.67E-04	1.12E-03	1.01E-04	2.22E-04	8.23E-04	7.24E-05	2.52E-05	1.44E-04	1.72E-05	2.29E-05	7.55E-05	5.20E-06
5299	470206.08	3819829.85	2.63E-04	1.10E-03	9.95E-05	2.19E-04	8.12E-04	7.14E-05	2.48E-05	1.42E-04	1.70E-05	2.26E-05	7.45E-05	5.13E-06
5300	470215.78	3819829.98	2.59E-04	1.09E-03	9.80E-05	2.16E-04	8.00E-04	7.03E-05	2.45E-05	1.40E-04	1.67E-05	2.22E-05	7.33E-05	5.06E-06
5301	470225.47	3819830.12	2.55E-04	1.07E-03	9.64E-05	2.12E-04	7.86E-04	6.92E-05	2.41E-05	1.38E-04	1.64E-05	2.19E-05	7.21E-05	4.97E-06
5302	470235.17	3819830.25	2.50E-04	1.05E-03	9.47E-05	2.08E-04	7.72E-04	6.79E-05	2.36E-05	1.35E-04	1.61E-05	2.15E-05	7.08E-05	4.88E-06
5303	470244.87	3819830.39	2.46E-04	1.03E-03	9.29E-05	2.05E-04	7.58E-04	6.67E-05	2.32E-05	1.33E-04	1.58E-05	2.11E-05	6.95E-05	4.79E-06
5304	470254.57	3819830.52	2.41E-04	1.01E-03	9.10E-05	2.00E-04	7.43E-04	6.53E-05	2.27E-05	1.30E-04	1.55E-05	2.07E-05	6.81E-05	4.70E-06
5305	470264.26	3819830.66	2.36E-04	9.89E-04	8.91E-05	1.96E-04	7.27E-04	6.39E-05	2.22E-05	1.27E-04	1.52E-05	2.02E-05	6.67E-05	4.60E-06
5306	470090.14	3819864.59	2.41E-04	1.01E-03	9.10E-05	2.00E-04	7.42E-04	6.53E-05	2.27E-05	1.30E-04	1.55E-05	2.07E-05	6.81E-05	4.69E-06
5307	470081.43	3819860.83	2.42E-04	1.02E-03	9.15E-05	2.01E-04	7.46E-04	6.56E-05	2.28E-05	1.31E-04	1.56E-05	2.08E-05	6.84E-05	4.72E-06
5308	470072.72	3819857.06	2.43E-04	1.02E-03	9.17E-05	2.02E-04	7.49E-04	6.59E-05	2.29E-05	1.31E-04	1.56E-05	2.08E-05	6.87E-05	4.73E-06
5309	470064.01	3819853.29	2.43E-04	1.02E-03	9.19E-05	2.02E-04	7.50E-04	6.59E-05	2.29E-05	1.31E-04	1.57E-05	2.09E-05	6.88E-05	4.74E-06
5310	470098.85	3819868.36	2.39E-04	1.00E-03	9.04E-05	1.99E-04	7.37E-04	6.49E-05	2.26E-05	1.29E-04	1.54E-05	2.05E-05	6.76E-05	4.66E-06
5311	470108.55	3819868.49	2.40E-04	1.01E-03	9.07E-05	2.00E-04	7.40E-04	6.51E-05	2.27E-05	1.30E-04	1.55E-05	2.06E-05	6.79E-05	4.68E-06
5312	470118.25	3819868.63	2.41E-04	1.01E-03	9.10E-05	2.00E-04	7.42E-04	6.53E-05	2.27E-05	1.30E-04	1.55E-05	2.06E-05	6.81E-05	4.69E-06
5313	470127.95	3819868.76	2.41E-04	1.01E-03	9.10E-05	2.00E-04	7.43E-04	6.53E-05	2.27E-05	1.30E-04	1.55E-05	2.07E-05	6.81E-05	4.70E-06
5314	470137.64	3819868.9	2.40E-04	1.01E-03	9.09E-05	2.00E-04	7.42E-04	6.52E-05	2.27E-05	1.30E-04	1.55E-05	2.06E-05	6.80E-05	4.69E-06
5315	470147.34	3819869.03	2.40E-04	1.01E-03	9.06E-05	2.00E-04	7.39E-04	6.50E-05	2.26E-05	1.30E-04	1.55E-05	2.06E-05	6.78E-05	4.67E-06
5316	470157.04	3819869.17	2.38E-04	1.00E-03	9.01E-05	1.99E-04	7.36E-04	6.47E-05	2.25E-05	1.29E-04	1.54E-05	2.05E-05	6.75E-05	4.65E-06
5317	470166.73	3819869.3	2.37E-04	9.94E-04	8.95E-05	1.97E-04	7.31E-04	6.43E-05	2.24E-05	1.28E-04	1.53E-05	2.03E-05	6.70E-05	4.62E-06
5318	470176.43	3819869.44	2.35E-04	9.86E-04	8.88E-05	1.96E-04	7.24E-04	6.37E-05	2.22E-05	1.27E-04	1.51E-05	2.02E-05	6.65E-05	4.58E-06
5319	470186.13	3819869.57	2.32E-04	9.76E-04	8.79E-05	1.94E-04	7.17E-04	6.31E-05	2.19E-05	1.26E-04	1.50E-05	2.00E-05	6.58E-05	4.54E-06
5320	470195.83	3819869.71	2.30E-04	9.65E-04	8.69E-05	1.91E-04	7.09E-04	6.24E-05	2.17E-05	1.24E-04	1.48E-05	1.97E-05	6.50E-05	4.48E-06
5321	470205.52	3819869.84	2.27E-04	9.52E-04	8.57E-05	1.89E-04	7.00E-04	6.15E-05	2.14E-05	1.23E-04	1.46E-05	1.95E-05	6.42E-05	4.42E-06
5322	470215.22	3819869.98	2.23E-04	9.38E-04	8.45E-05	1.86E-04	6.89E-04	6.06E-05	2.11E-05	1.21E-04	1.44E-05	1.92E-05	6.32E-05	4.36E-06
5323	470224.92	3819870.11	2.20E-04	9.23E-04	8.31E-05	1.83E-04	6.78E-04	5.97E-05	2.08E-05	1.19E-04	1.42E-05	1.89E-05	6.22E-05	4.29E-06
5324	470234.61	3819870.25	2.16E-04	9.08E-04	8.17E-05	1.80E-04	6.67E-04	5.87E-05	2.04E-05	1.17E-04	1.39E-05	1.86E-05	6.12E-05	4.22E-06
5325	470244.31	3819870.38	2.12E-04	8.92E-04	8.03E-05	1.77E-04	6.55E-04	5.76E-05	2.01E-05	1.15E-04	1.37E-05	1.82E-05	6.01E-05	4.14E-06

5326	470254.01	3819870.52	2.08E-04	8.75E-04	7.88E-05	1.74E-04	6.43E-04	5.66E-05	1.97E-05	1.13E-04	1.34E-05	1.79E-05	5.90E-05	4.07E-06
5327	470263.71	3819870.65	2.04E-04	8.59E-04	7.73E-05	1.70E-04	6.31E-04	5.55E-05	1.93E-05	1.11E-04	1.32E-05	1.76E-05	5.79E-05	3.99E-06
5328	470089.53	3819904.56	2.11E-04	8.86E-04	7.98E-05	1.76E-04	6.51E-04	5.73E-05	1.99E-05	1.14E-04	1.36E-05	1.81E-05	5.97E-05	4.12E-06
5329	470080.76	3819900.77	2.12E-04	8.91E-04	8.02E-05	1.77E-04	6.55E-04	5.76E-05	2.00E-05	1.15E-04	1.37E-05	1.82E-05	6.01E-05	4.14E-06
5330	470072	3819896.98	2.13E-04	8.95E-04	8.06E-05	1.77E-04	6.57E-04	5.78E-05	2.01E-05	1.15E-04	1.37E-05	1.83E-05	6.03E-05	4.16E-06
5331	470063.23	3819893.19	2.14E-04	8.97E-04	8.08E-05	1.78E-04	6.59E-04	5.80E-05	2.02E-05	1.15E-04	1.38E-05	1.83E-05	6.04E-05	4.17E-06
5332	470098.3	3819908.36	2.09E-04	8.79E-04	7.92E-05	1.74E-04	6.46E-04	5.68E-05	1.98E-05	1.13E-04	1.35E-05	1.80E-05	5.93E-05	4.09E-06
5333	470107.99	3819908.49	2.10E-04	8.82E-04	7.94E-05	1.75E-04	6.48E-04	5.70E-05	1.98E-05	1.14E-04	1.35E-05	1.80E-05	5.94E-05	4.10E-06
5334	470117.69	3819908.63	2.10E-04	8.83E-04	7.95E-05	1.75E-04	6.49E-04	5.71E-05	1.99E-05	1.14E-04	1.36E-05	1.81E-05	5.95E-05	4.10E-06
5335	470127.39	3819908.76	2.10E-04	8.83E-04	7.95E-05	1.75E-04	6.48E-04	5.70E-05	1.98E-05	1.14E-04	1.36E-05	1.80E-05	5.95E-05	4.10E-06
5336	470137.09	3819908.9	2.10E-04	8.80E-04	7.93E-05	1.75E-04	6.47E-04	5.69E-05	1.98E-05	1.13E-04	1.35E-05	1.80E-05	5.93E-05	4.09E-06
5337	470146.78	3819909.03	2.09E-04	8.77E-04	7.90E-05	1.74E-04	6.44E-04	5.67E-05	1.97E-05	1.13E-04	1.35E-05	1.79E-05	5.91E-05	4.08E-06
5338	470156.48	3819909.17	2.08E-04	8.72E-04	7.85E-05	1.73E-04	6.41E-04	5.64E-05	1.96E-05	1.12E-04	1.34E-05	1.78E-05	5.88E-05	4.05E-06
5339	470166.18	3819909.3	2.06E-04	8.66E-04	7.80E-05	1.72E-04	6.36E-04	5.60E-05	1.95E-05	1.11E-04	1.33E-05	1.77E-05	5.84E-05	4.02E-06
5340	470175.87	3819909.44	2.04E-04	8.59E-04	7.73E-05	1.70E-04	6.31E-04	5.55E-05	1.93E-05	1.11E-04	1.32E-05	1.76E-05	5.79E-05	3.99E-06
5341	470185.57	3819909.57	2.02E-04	8.50E-04	7.66E-05	1.69E-04	6.25E-04	5.50E-05	1.91E-05	1.09E-04	1.31E-05	1.74E-05	5.73E-05	3.95E-06
5342	470195.27	3819909.71	2.00E-04	8.41E-04	7.57E-05	1.67E-04	6.18E-04	5.43E-05	1.89E-05	1.08E-04	1.29E-05	1.72E-05	5.67E-05	3.91E-06
5343	470204.97	3819909.84	1.98E-04	8.30E-04	7.48E-05	1.65E-04	6.10E-04	5.37E-05	1.87E-05	1.07E-04	1.27E-05	1.70E-05	5.59E-05	3.86E-06
5344	470214.66	3819909.98	1.95E-04	8.18E-04	7.37E-05	1.62E-04	6.01E-04	5.29E-05	1.84E-05	1.05E-04	1.26E-05	1.67E-05	5.52E-05	3.80E-06
5345	470224.36	3819910.11	1.92E-04	8.06E-04	7.26E-05	1.60E-04	5.92E-04	5.21E-05	1.81E-05	1.04E-04	1.24E-05	1.65E-05	5.43E-05	3.75E-06
5346	470234.06	3819910.25	1.89E-04	7.93E-04	7.15E-05	1.57E-04	5.83E-04	5.13E-05	1.78E-05	1.02E-04	1.22E-05	1.62E-05	5.35E-05	3.69E-06
5347	470243.76	3819910.38	1.86E-04	7.81E-04	7.03E-05	1.55E-04	5.74E-04	5.05E-05	1.76E-05	1.00E-04	1.20E-05	1.60E-05	5.26E-05	3.63E-06
5348	470253.45	3819910.52	1.83E-04	7.67E-04	6.91E-05	1.52E-04	5.64E-04	4.96E-05	1.73E-05	9.88E-05	1.18E-05	1.57E-05	5.17E-05	3.57E-06
5349	470263.15	3819910.65	1.80E-04	7.54E-04	6.79E-05	1.50E-04	5.54E-04	4.87E-05	1.70E-05	9.70E-05	1.16E-05	1.54E-05	5.08E-05	3.50E-06
5350	470088.93	3819944.54	1.87E-04	7.84E-04	7.06E-05	1.55E-04	5.76E-04	5.07E-05	1.76E-05	1.01E-04	1.20E-05	1.60E-05	5.28E-05	3.64E-06
5351	470080.11	3819940.73	1.88E-04	7.89E-04	7.11E-05	1.57E-04	5.80E-04	5.10E-05	1.77E-05	1.02E-04	1.21E-05	1.61E-05	5.32E-05	3.67E-06
5352	470071.3	3819936.92	1.89E-04	7.93E-04	7.14E-05	1.57E-04	5.83E-04	5.13E-05	1.78E-05	1.02E-04	1.22E-05	1.62E-05	5.34E-05	3.68E-06
5353	470062.49	3819933.11	1.89E-04	7.96E-04	7.17E-05	1.58E-04	5.85E-04	5.14E-05	1.79E-05	1.02E-04	1.22E-05	1.63E-05	5.36E-05	3.70E-06
5354	469608.31	3819447.33	3.09E-05	1.30E-04	1.17E-05	2.58E-05	9.55E-05	8.40E-06	2.92E-06	1.67E-05	2.00E-06	2.66E-06	8.76E-06	6.04E-07
5355	470097.74	3819948.35	1.85E-04	7.78E-04	7.00E-05	1.54E-04	5.71E-04	5.03E-05	1.75E-05	1.00E-04	1.19E-05	1.59E-05	5.24E-05	3.61E-06
5356	470107.44	3819948.49	1.85E-04	7.79E-04	7.01E-05	1.54E-04	5.72E-04	5.03E-05	1.75E-05	1.00E-04	1.20E-05	1.59E-05	5.25E-05	3.62E-06
5357	470117.13	3819948.62	1.85E-04	7.79E-04	7.02E-05	1.55E-04	5.72E-04	5.04E-05	1.75E-05	1.00E-04	1.20E-05	1.59E-05	5.25E-05	3.62E-06
5358	470126.83	3819948.76	1.85E-04	7.78E-04	7.00E-05	1.54E-04	5.72E-04	5.03E-05	1.75E-05	1.00E-04	1.19E-05	1.59E-05	5.24E-05	3.61E-06
5359	470136.53	3819948.89	1.85E-04	7.76E-04	6.98E-05	1.54E-04	5.70E-04	5.01E-05	1.74E-05	9.98E-05	1.19E-05	1.59E-05	5.23E-05	3.60E-06
5360	470146.23	3819949.03	1.84E-04	7.72E-04	6.95E-05	1.53E-04	5.67E-04	4.99E-05	1.74E-05	9.94E-05	1.19E-05	1.58E-05	5.20E-05	3.59E-06
5361	470155.92	3819949.16	1.83E-04	7.67E-04	6.91E-05	1.52E-04	5.64E-04	4.96E-05	1.73E-05	9.88E-05	1.18E-05	1.57E-05	5.17E-05	3.57E-06
5362	470165.62	3819949.3	1.81E-04	7.62E-04	6.86E-05	1.51E-04	5.60E-04	4.92E-05	1.71E-05	9.81E-05	1.17E-05	1.56E-05	5.13E-05	3.54E-06
5363	470175.32	3819949.43	1.80E-04	7.55E-04	6.80E-05	1.50E-04	5.55E-04	4.88E-05	1.70E-05	9.72E-05	1.16E-05	1.54E-05	5.09E-05	3.51E-06
5364	470185.01	3819949.57	1.78E-04	7.48E-04	6.73E-05	1.48E-04	5.50E-04	4.83E-05	1.68E-05	9.63E-05	1.15E-05	1.53E-05	5.04E-05	3.47E-06
5365	470194.71	3819949.7	1.76E-04	7.40E-04	6.66E-05	1.47E-04	5.44E-04	4.78E-05	1.66E-05	9.52E-05	1.14E-05	1.51E-05	4.99E-05	3.44E-06
5366	470204.41	3819949.84	1.74E-04	7.31E-04	6.58E-05	1.45E-04	5.37E-04	4.72E-05	1.64E-05	9.41E-05	1.12E-05	1.49E-05	4.93E-05	3.40E-06
5367	470214.11	3819949.97	1.72E-04	7.21E-04	6.50E-05	1.43E-04	5.30E-04	4.66E-05	1.62E-05	9.29E-05	1.11E-05	1.47E-05	4.86E-05	3.35E-06
5368	470223.8	3819950.11	1.69E-04	7.12E-04	6.41E-05	1.41E-04	5.23E-04	4.60E-05	1.60E-05	9.16E-05	1.09E-05	1.45E-05	4.80E-05	3.31E-06
5369	470233.5	3819950.24	1.67E-04	7.01E-04	6.31E-05	1.39E-04	5.15E-04	4.53E-05	1.58E-05	9.03E-05	1.08E-05	1.43E-05	4.73E-05	3.26E-06
5370	470243.2	3819950.38	1.64E-04	6.90E-04	6.22E-05	1.37E-04	5.07E-04	4.46E-05	1.55E-05	8.88E-05	1.06E-05	1.41E-05	4.65E-05	3.21E-06
5371	470252.9	3819950.51	1.62E-04	6.79E-04	6.11E-05	1.35E-04	4.99E-04	4.39E-05	1.53E-05	8.74E-05	1.04E-05	1.39E-05	4.58E-05	3.15E-06
5372	470262.59	3819950.65	1.59E-04	6.68E-04	6.01E-05	1.32E-04	4.91E-04	4.32E-05	1.50E-05	8.59E-05	1.03E-05	1.36E-05	4.50E-05	3.10E-06
5373	470088.33	3819984.52	1.66E-04	6.98E-04	6.29E-05	1.38E-04	5.13E-04	4.51E-05	1.57E-05	8.99E-05	1.07E-05	1.43E-05	4.71E-05	3.24E-06
5374	470079.47	3819980.69	1.67E-04	7.03E-04	6.33E-05	1.39E-04	5.17E-04	4.55E-05	1.58E-05	9.05E-05	1.08E-05	1.44E-05	4.74E-05	3.27E-06
5375	470070.62	3819976.86	1.68E-04	7.07E-04	6.37E-05	1.40E-04	5.20E-04	4.57E-05	1.59E-05	9.11E-05	1.09E-05	1.45E-05	4.77E-05	3.29E-06
5376	470061.76	3819973.03	1.69E-04	7.11E-04	6.40E-05	1.41E-04	5.22E-04	4.59E-05	1.60E-05	9.15E-05	1.09E-05	1.45E-05	4.79E-05	3.30E-06
5377	469607.12	3819545.34	4.32E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.08E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.42E-07
5378	469603.6	3819536.36	4.12E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.23E-05	2.66E-06	3.54E-06	1.17E-05	8.04E-07
5379	469600.07	3819527.38	3.93E-05	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.66E-07
5380	469596.54	3819518.4	3.75E-05	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.32E-07
5381	469593.02	3819509.42	3.58E-05	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.71E-06	3.38E-06	1.93E-05	2.31E-06	3.07E-06	1.01E-05	6.98E-07
5382	469589.49	3819500.45	3.42E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.23E-06	1.85E-05	2.20E-06	2.93E-06	9.67E-06	6.66E-07
5383	469585.97	3819491.47	3.26E-05	1.37E-04	1.23E-05	2.72E-05	1.01E-04	8.85E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.23E-06	6.36E-07
5384	469582.44	3819482.49	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.60E-05	8.44E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.81E-06	6.07E-07
5385	469578.91	3819473.51	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.17E-05	8.06E-06	2.80E-06	1.61E-05	1.92E-06	2.55E-06	8.41E-06	5.80E-07
5386	469575.39	3819464.53	2.84E-05	1.19E-04	1.07E-05	2.36E-05	8.75E-05	7.70E-06	2.68E-06	1.53E-05	1.83E-06	2.44E-06	8.03E-06	5.54E-07
5387	469571.86	3819455.55	2.71E-05	1.14E-04	1.03E-05	2.26E-05	8.37E-05	7.36E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.67E-06	5.29E-07
5388	469568.33	3819446.57	2.59E-05	1.09E-04	9.80E-06	2.16E-05	8.00E-05	7.03E-06	2.45E-06	1.40E-05	1.67E-06	2.22E-06	7.34E-06	5.06E-07
5389	470097.18	3819988.35	1.65E-04	6.92E-04	6.23E-05	1.37E-04	5.09E-04	4.48E-05	1.56E-05	8.91E-05	1.06E-05	1.42E-05	4.67E-05	3.22E-06
5390	470106.88	3819988.48	1.65E-04	6.93E-04	6.24E-05	1.37E-04	5.09E-04	4.48E-05	1.56E-05	8.92E-05	1.06E-05	1.42E-05	4.67E-05	3.22E-06
5391	470116.58	3819988.62	1.65E-04	6.92E-04	6.23E-05	1.37E-04	5.09E-04	4.47E-05	1.56E-05	8.91E-05	1.06E-05	1.41E-05	4.66E-05	3.22E-06
5392	470126.27	3819988.75	1.64E-04	6.91E-04	6.22E-05	1.37E-04	5.07E-04	4.46E-05	1.55E-05	8.89E-05	1.06E-05	1.41E-05	4.66E-05	3.21E-06
5393	470135.97	3819988.89	1.64E-04	6.88E-04	6.20E-05	1.37E-04	5.06E-04	4.45E-05	1.55E-05	8.86E-05	1.06E-05	1.41E-05	4.64E-05	3.20E-06
5394	470145.67	3819989.02	1.63E-04	6.85E-04	6.17E-05	1.36E-04	5.03E-04	4.43E-05	1.54E-05	8.82E-05	1.05E-05	1.40E-05	4.62E-05	3.18E-06
5395	470155.37	3819989.16	1.62E-04	6.81E-04	6.13E-05	1.35E-04	5.00E-04	4.40E-05	1.53E-05	8.76E-05	1.05E-05	1.39E-05	4.59E-05	3.16E-06
5396	470165.06	3819989.29	1.61E-04	6.75E-04	6.08E-05	1.34E-04	4.96E-04	4.37E-05	1.52E-05	8.69E-05	1.04E-05	1.38E-05	4.55E-05	3.14E-06
5397	470174.76	3819989.43	1.59E-04	6.70E-04	6.03E-05	1.33E-04	4.92E-04	4.33E-05	1.51E-05	8.62E-05	1.03E-05	1.37E-05	4.51E-05	3.11E-06
5398	470184.46	3819989.56	1.58E-04	6.63E-04	5.97E-05	1.32E-04	4.87E-04	4.29E-05	1.49E-05	8.54E-05	1.02E-05	1.36E-05	4.47E-05	3.08E-06

5399	470194.16	3819989.7	1.56E-04	6.56E-04	5.91E-05	1.30E-04	4.82E-04	4.24E-05	1.48E-05	8.45E-05	1.01E-05	1.34E-05	4.42E-05	3.05E-06
5400	470203.85	3819989.83	1.54E-04	6.48E-04	5.84E-05	1.29E-04	4.77E-04	4.19E-05	1.46E-05	8.35E-05	9.96E-06	1.33E-05	4.37E-05	3.01E-06
5401	470213.55	3819989.97	1.53E-04	6.40E-04	5.77E-05	1.27E-04	4.71E-04	4.14E-05	1.44E-05	8.24E-05	9.84E-06	1.31E-05	4.32E-05	2.98E-06
5402	470223.25	3819990.1	1.51E-04	6.32E-04	5.69E-05	1.25E-04	4.64E-04	4.09E-05	1.42E-05	8.14E-05	9.71E-06	1.29E-05	4.26E-05	2.94E-06
5403	470232.94	3819990.24	1.48E-04	6.23E-04	5.61E-05	1.24E-04	4.58E-04	4.03E-05	1.40E-05	8.02E-05	9.57E-06	1.27E-05	4.20E-05	2.90E-06
5404	470242.64	3819990.37	1.46E-04	6.14E-04	5.53E-05	1.22E-04	4.51E-04	3.97E-05	1.38E-05	7.91E-05	9.43E-06	1.26E-05	4.14E-05	2.85E-06
5405	470252.34	3819990.51	1.44E-04	6.05E-04	5.45E-05	1.20E-04	4.45E-04	3.91E-05	1.36E-05	7.79E-05	9.29E-06	1.24E-05	4.08E-05	2.81E-06
5406	470262.04	3819990.64	1.42E-04	5.96E-04	5.36E-05	1.18E-04	4.38E-04	3.85E-05	1.34E-05	7.67E-05	9.15E-06	1.22E-05	4.01E-05	2.77E-06
5407	470069.96	3820016.81	1.51E-04	6.36E-04	5.73E-05	1.26E-04	4.67E-04	4.11E-05	1.43E-05	8.19E-05	9.77E-06	1.30E-05	4.29E-05	2.96E-06
5408	470061.07	3820012.97	1.52E-04	6.39E-04	5.76E-05	1.27E-04	4.70E-04	4.13E-05	1.44E-05	8.23E-05	9.82E-06	1.31E-05	4.31E-05	2.97E-06
5409	469595.63	3819617.1	5.01E-05	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.73E-06	2.71E-05	3.23E-06	4.30E-06	1.42E-05	9.78E-07
5410	469592.09	3819608.08	4.82E-05	2.02E-04	1.82E-05	4.01E-05	1.49E-04	1.31E-05	4.55E-06	2.60E-05	3.11E-06	4.13E-06	1.36E-05	9.40E-07
5411	469588.54	3819599.07	4.62E-05	1.94E-04	1.75E-05	3.85E-05	1.43E-04	1.25E-05	4.37E-06	2.50E-05	2.98E-06	3.97E-06	1.31E-05	9.02E-07
5412	469585	3819590.05	4.43E-05	1.86E-04	1.68E-05	3.69E-05	1.37E-04	1.20E-05	4.19E-06	2.40E-05	2.86E-06	3.81E-06	1.26E-05	8.65E-07
5413	469581.46	3819581.04	4.25E-05	1.79E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.02E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.30E-07
5414	469577.92	3819572.02	4.08E-05	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.20E-05	2.63E-06	3.50E-06	1.15E-05	7.96E-07
5415	469574.38	3819563.01	3.91E-05	1.64E-04	1.48E-05	3.25E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.35E-06	1.11E-05	7.62E-07
5416	469570.84	3819553.99	3.74E-05	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.53E-06	2.02E-05	2.41E-06	3.21E-06	1.06E-05	7.29E-07
5417	469567.3	3819544.98	3.58E-05	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.71E-06	3.38E-06	1.93E-05	2.31E-06	3.07E-06	1.01E-05	6.98E-07
5418	469563.76	3819535.96	3.42E-05	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.28E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.68E-06	6.67E-07
5419	469560.22	3819526.94	3.27E-05	1.37E-04	1.24E-05	2.72E-05	1.01E-04	8.88E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.26E-06	6.38E-07
5420	469556.68	3819517.93	3.13E-05	1.31E-04	1.18E-05	2.60E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.68E-06	8.85E-06	6.10E-07
5421	469553.14	3819508.91	2.99E-05	1.26E-04	1.13E-05	2.49E-05	9.22E-05	8.11E-06	2.82E-06	1.62E-05	1.93E-06	2.57E-06	8.46E-06	5.83E-07
5422	469549.6	3819499.9	2.86E-05	1.20E-04	1.08E-05	2.38E-05	8.82E-05	7.76E-06	2.70E-06	1.55E-05	1.84E-06	2.45E-06	8.09E-06	5.58E-07
5423	469546.06	3819490.88	2.73E-05	1.15E-04	1.03E-05	2.28E-05	8.43E-05	7.42E-06	2.58E-06	1.48E-05	1.76E-06	2.35E-06	7.74E-06	5.33E-07
5424	469542.52	3819481.87	2.61E-05	1.10E-04	9.89E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.24E-06	7.40E-06	5.10E-07
5425	469538.98	3819472.85	2.50E-05	1.05E-04	9.46E-06	2.08E-05	7.72E-05	6.79E-06	2.36E-06	1.35E-05	1.61E-06	2.15E-06	7.08E-06	4.88E-07
5426	469535.44	3819463.84	2.40E-05	1.01E-04	9.06E-06	2.00E-05	7.39E-05	6.50E-06	2.26E-06	1.29E-05	1.54E-06	2.06E-06	6.78E-06	4.67E-07
5427	469531.9	3819454.82	2.29E-05	9.64E-05	8.68E-06	1.91E-05	7.08E-05	6.23E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.50E-06	4.48E-07
5428	469528.36	3819445.8	2.20E-05	9.24E-05	8.32E-06	1.83E-05	6.79E-05	5.97E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.23E-06	4.29E-07
5429	470087.33	3820064.56	1.35E-04	5.66E-04	5.10E-05	1.12E-04	4.16E-04	3.66E-05	1.27E-05	7.29E-05	8.70E-06	1.16E-05	3.82E-05	2.63E-06
5430	470078.58	3820060.78	1.36E-04	5.71E-04	5.14E-05	1.13E-04	4.19E-04	3.69E-05	1.28E-05	7.35E-05	8.77E-06	1.17E-05	3.85E-05	2.65E-06
5431	470069.84	3820057	1.37E-04	5.75E-04	5.18E-05	1.14E-04	4.22E-04	3.71E-05	1.29E-05	7.40E-05	8.83E-06	1.17E-05	3.87E-05	2.67E-06
5432	470061.1	3820053.22	1.38E-04	5.78E-04	5.20E-05	1.15E-04	4.25E-04	3.74E-05	1.30E-05	7.44E-05	8.88E-06	1.18E-05	3.89E-05	2.68E-06
5433	470052.35	3820049.44	1.38E-04	5.80E-04	5.23E-05	1.15E-04	4.26E-04	3.75E-05	1.31E-05	7.47E-05	8.91E-06	1.19E-05	3.91E-05	2.70E-06
5434	469667.66	3819883.08	8.03E-05	3.37E-04	3.04E-05	6.68E-05	2.48E-04	2.18E-05	7.58E-06	4.34E-05	5.18E-06	6.89E-06	2.27E-05	1.57E-06
5435	469655.44	3819870.44	7.80E-05	3.28E-04	2.95E-05	6.50E-05	2.41E-04	2.12E-05	7.37E-06	4.22E-05	5.03E-06	6.70E-06	2.21E-05	1.52E-06
5436	469651.95	3819861.57	7.76E-05	3.26E-04	2.93E-05	6.46E-05	2.39E-04	2.11E-05	7.33E-06	4.19E-05	5.00E-06	6.66E-06	2.20E-05	1.51E-06
5437	469648.47	3819852.7	7.70E-05	3.24E-04	2.91E-05	6.42E-05	2.38E-04	2.09E-05	7.27E-06	4.16E-05	4.97E-06	6.61E-06	2.18E-05	1.50E-06
5438	469644.99	3819843.84	7.64E-05	3.21E-04	2.89E-05	6.37E-05	2.36E-04	2.07E-05	7.22E-06	4.13E-05	4.93E-06	6.56E-06	2.16E-05	1.49E-06
5439	469557.94	3819622.18	4.28E-05	1.80E-04	1.62E-05	3.56E-05	1.32E-04	1.16E-05	4.04E-06	2.31E-05	2.76E-06	3.67E-06	1.21E-05	8.35E-07
5440	469554.46	3819613.31	4.12E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.23E-05	2.66E-06	3.54E-06	1.17E-05	8.04E-07
5441	469550.98	3819604.45	3.96E-05	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.08E-05	3.74E-06	2.14E-05	2.56E-06	3.40E-06	1.12E-05	7.73E-07
5442	469547.5	3819595.58	3.81E-05	1.60E-04	1.44E-05	3.17E-05	1.18E-04	1.03E-05	3.60E-06	2.06E-05	2.46E-06	3.27E-06	1.08E-05	7.43E-07
5443	469544.02	3819586.72	3.66E-05	1.54E-04	1.38E-05	3.05E-05	1.13E-04	9.93E-06	3.46E-06	1.98E-05	2.36E-06	3.14E-06	1.04E-05	7.14E-07
5444	469540.53	3819577.85	3.51E-05	1.48E-04	1.33E-05	2.93E-05	1.08E-04	9.54E-06	3.32E-06	1.90E-05	2.27E-06	3.02E-06	9.94E-06	6.85E-07
5445	469537.05	3819568.98	3.37E-05	1.42E-04	1.27E-05	2.81E-05	1.04E-04	9.15E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.54E-06	6.58E-07
5446	469533.57	3819560.12	3.23E-05	1.36E-04	1.22E-05	2.69E-05	9.97E-05	8.77E-06	3.05E-06	1.75E-05	2.08E-06	2.77E-06	9.14E-06	6.30E-07
5447	469530.09	3819551.25	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.55E-05	8.40E-06	2.92E-06	1.67E-05	2.00E-06	2.66E-06	8.76E-06	6.04E-07
5448	469526.61	3819542.38	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.15E-05	8.05E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.39E-06	5.79E-07
5449	469523.12	3819533.52	2.84E-05	1.19E-04	1.07E-05	2.37E-05	8.77E-05	7.71E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.04E-06	5.54E-07
5450	469519.64	3819524.65	2.72E-05	1.14E-04	1.03E-05	2.27E-05	8.39E-05	7.38E-06	2.57E-06	1.47E-05	1.75E-06	2.34E-06	7.70E-06	5.31E-07
5451	469516.16	3819515.79	2.61E-05	1.09E-04	9.86E-06	2.17E-05	8.04E-05	7.08E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.38E-06	5.09E-07
5452	469512.68	3819506.92	2.50E-05	1.05E-04	9.44E-06	2.08E-05	7.70E-05	6.78E-06	2.36E-06	1.35E-05	1.61E-06	2.14E-06	7.07E-06	4.87E-07
5453	469509.2	3819498.05	2.39E-05	1.00E-04	9.05E-06	1.99E-05	7.38E-05	6.50E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.77E-06	4.67E-07
5454	469505.72	3819489.19	2.30E-05	9.65E-05	8.69E-06	1.91E-05	7.09E-05	6.24E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.50E-06	4.48E-07
5455	469502.23	3819480.32	2.21E-05	9.26E-05	8.34E-06	1.84E-05	6.81E-05	5.99E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.24E-06	4.30E-07
5456	469498.75	3819471.45	2.12E-05	8.90E-05	8.02E-06	1.77E-05	6.54E-05	5.75E-06	2.00E-06	1.15E-05	1.37E-06	1.82E-06	6.00E-06	4.14E-07
5457	469495.27	3819462.59	2.04E-05	8.55E-05	7.70E-06	1.70E-05	6.28E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.76E-06	3.97E-07
5458	469491.79	3819453.72	1.96E-05	8.21E-05	7.39E-06	1.63E-05	6.03E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.53E-06	3.81E-07
5459	469488.31	3819444.85	1.88E-05	7.89E-05	7.11E-06	1.57E-05	5.80E-05	5.10E-06	1.77E-06	1.02E-05	1.21E-06	1.61E-06	5.32E-06	3.67E-07
5460	470096.07	3820068.34	1.34E-04	5.61E-04	5.05E-05	1.11E-04	4.12E-04	3.63E-05	1.26E-05	7.22E-05	8.62E-06	1.15E-05	3.78E-05	2.61E-06
5461	470105.77	3820068.47	1.33E-04	5.61E-04	5.05E-05	1.11E-04	4.12E-04	3.62E-05	1.26E-05	7.22E-05	8.61E-06	1.15E-05	3.78E-05	2.60E-06
5462	470115.46	3820068.61	1.33E-04	5.59E-04	5.04E-05	1.11E-04	4.11E-04	3.62E-05	1.26E-05	7.20E-05	8.59E-06	1.14E-05	3.77E-05	2.60E-06
5463	470125.16	3820068.74	1.33E-04	5.57E-04	5.02E-05	1.11E-04	4.10E-04	3.60E-05	1.25E-05	7.17E-05	8.56E-06	1.14E-05	3.76E-05	2.59E-06
5464	470134.86	3820068.88	1.32E-04	5.55E-04	5.00E-05	1.10E-04	4.08E-04	3.59E-05	1.25E-05	7.14E-05	8.52E-06	1.13E-05	3.74E-05	2.58E-06
5465	470144.56	3820069.01	1.31E-04	5.51E-04	4.97E-05	1.09E-04	4.05E-04	3.56E-05	1.24E-05	7.10E-05	8.47E-06	1.13E-05	3.72E-05	2.56E-06
5466	470154.25	3820069.15	1.30E-04	5.47E-04	4.93E-05	1.09E-04	4.02E-04	3.54E-05	1.23E-05	7.05E-05	8.41E-06	1.12E-05	3.69E-05	2.54E-06
5467	470163.95	3820069.28	1.29E-04	5.43E-04	4.89E-05	1.08E-04	3.99E-04	3.51E-05	1.22E-05	6.99E-05	8.34E-06	1.11E-05	3.66E-05	2.52E-06
5468	470173.65	3820069.42	1.28E-04	5.38E-04	4.85E-05	1.07E-04	3.95E-04	3.48E-05	1.21E-05	6.93E-05	8.27E-06	1.10E-05	3.63E-05	2.50E-06
5469	470183.34	3820069.55	1.27E-04	5.33E-04	4.80E-05	1.06E-04	3.92E-04	3.45E-05	1.20E-05	6.86E-05	8.19E-06	1.09E-05	3.59E-05	2.48E-06
5470	470193.04	3820069.69	1.26E-04	5.28E-04	4.75E-05	1.05E-04	3.88E-04	3.41E-05	1.19E-05	6.79E-05	8.10E-06	1.08E-05	3.56E-05	2.45E-06
5471	470202.74	3820069.82	1.24E-04	5.22E-04	4.70E-05	1.03E-04	3.83E-04	3.37E-05	1.17E-05	6.72E-05	8.01E-06	1.07E-05	3.52E-05	2.42E-06

5472	470212.44	3820069.96	1.23E-04	5.16E-04	4.64E-05	1.02E-04	3.79E-04	3.33E-05	1.16E-05	6.64E-05	7.92E-06	1.05E-05	3.47E-05	2.40E-06
5473	470222.13	3820070.09	1.21E-04	5.09E-04	4.58E-05	1.01E-04	3.74E-04	3.29E-05	1.14E-05	6.55E-05	7.82E-06	1.04E-05	3.43E-05	2.37E-06
5474	470231.83	3820070.23	1.20E-04	5.02E-04	4.53E-05	9.97E-05	3.69E-04	3.25E-05	1.13E-05	6.47E-05	7.72E-06	1.03E-05	3.39E-05	2.33E-06
5475	470241.53	3820070.36	1.18E-04	4.96E-04	4.47E-05	9.84E-05	3.64E-04	3.21E-05	1.12E-05	6.38E-05	7.62E-06	1.01E-05	3.34E-05	2.30E-06
5476	470251.23	3820070.5	1.17E-04	4.89E-04	4.41E-05	9.70E-05	3.60E-04	3.16E-05	1.10E-05	6.30E-05	7.52E-06	1.00E-05	3.30E-05	2.27E-06
5477	470260.92	3820070.63	1.15E-04	4.83E-04	4.35E-05	9.57E-05	3.55E-04	3.12E-05	1.09E-05	6.21E-05	7.41E-06	9.87E-06	3.25E-05	2.24E-06
5478	470086.73	3820104.54	1.22E-04	5.14E-04	4.63E-05	1.02E-04	3.78E-04	3.32E-05	1.16E-05	6.62E-05	7.90E-06	1.05E-05	3.47E-05	2.39E-06
5479	470077.95	3820100.74	1.23E-04	5.18E-04	4.67E-05	1.03E-04	3.81E-04	3.35E-05	1.17E-05	6.67E-05	7.96E-06	1.06E-05	3.49E-05	2.41E-06
5480	470069.17	3820096.95	1.24E-04	5.22E-04	4.70E-05	1.04E-04	3.84E-04	3.38E-05	1.17E-05	6.72E-05	8.02E-06	1.07E-05	3.52E-05	2.43E-06
5481	470060.39	3820093.15	1.25E-04	5.26E-04	4.73E-05	1.04E-04	3.86E-04	3.40E-05	1.18E-05	6.76E-05	8.07E-06	1.07E-05	3.54E-05	2.44E-06
5482	470051.61	3820089.35	1.26E-04	5.28E-04	4.76E-05	1.05E-04	3.88E-04	3.41E-05	1.19E-05	6.80E-05	8.11E-06	1.08E-05	3.56E-05	2.45E-06
5483	470042.83	3820085.56	1.26E-04	5.30E-04	4.77E-05	1.05E-04	3.90E-04	3.43E-05	1.19E-05	6.82E-05	8.14E-06	1.08E-05	3.57E-05	2.46E-06
5484	470034.05	3820081.76	1.27E-04	5.32E-04	4.79E-05	1.05E-04	3.91E-04	3.44E-05	1.20E-05	6.84E-05	8.16E-06	1.09E-05	3.58E-05	2.47E-06
5485	470025.27	3820077.96	1.27E-04	5.32E-04	4.79E-05	1.06E-04	3.91E-04	3.44E-05	1.20E-05	6.85E-05	8.18E-06	1.09E-05	3.59E-05	2.47E-06
5486	470016.49	3820074.16	1.27E-04	5.33E-04	4.80E-05	1.06E-04	3.91E-04	3.44E-05	1.20E-05	6.86E-05	8.18E-06	1.09E-05	3.59E-05	2.47E-06
5487	470007.71	3820070.37	1.27E-04	5.32E-04	4.79E-05	1.06E-04	3.91E-04	3.44E-05	1.20E-05	6.85E-05	8.17E-06	1.09E-05	3.59E-05	2.47E-06
5488	469998.93	3820066.57	1.27E-04	5.31E-04	4.78E-05	1.05E-04	3.90E-04	3.43E-05	1.19E-05	6.84E-05	8.16E-06	1.09E-05	3.58E-05	2.47E-06
5489	469990.15	3820062.77	1.26E-04	5.30E-04	4.77E-05	1.05E-04	3.89E-04	3.42E-05	1.19E-05	6.82E-05	8.14E-06	1.08E-05	3.57E-05	2.46E-06
5490	469981.37	3820058.98	1.26E-04	5.28E-04	4.75E-05	1.05E-04	3.88E-04	3.41E-05	1.19E-05	6.79E-05	8.10E-06	1.08E-05	3.56E-05	2.45E-06
5491	469972.59	3820055.18	1.25E-04	5.25E-04	4.73E-05	1.04E-04	3.86E-04	3.39E-05	1.18E-05	6.76E-05	8.06E-06	1.07E-05	3.54E-05	2.44E-06
5492	469963.81	3820051.38	1.24E-04	5.22E-04	4.70E-05	1.04E-04	3.84E-04	3.37E-05	1.17E-05	6.72E-05	8.02E-06	1.07E-05	3.52E-05	2.43E-06
5493	469665.28	3819922.29	7.74E-05	3.25E-04	2.93E-05	6.45E-05	2.39E-04	2.10E-05	7.31E-06	4.18E-05	4.99E-06	6.64E-06	2.19E-05	1.51E-06
5494	469656.5	3819918.49	7.59E-05	3.19E-04	2.87E-05	6.32E-05	2.34E-04	2.06E-05	7.16E-06	4.10E-05	4.89E-06	6.51E-06	2.15E-05	1.48E-06
5495	469647.72	3819914.7	7.43E-05	3.12E-04	2.81E-05	6.19E-05	2.29E-04	2.02E-05	7.02E-06	4.02E-05	4.79E-06	6.38E-06	2.10E-05	1.45E-06
5496	469638.94	3819910.9	7.28E-05	3.06E-04	2.75E-05	6.06E-05	2.25E-04	1.98E-05	6.87E-06	3.93E-05	4.69E-06	6.25E-06	2.06E-05	1.42E-06
5497	469626.66	3819898.2	7.09E-05	2.98E-04	2.68E-05	5.90E-05	2.19E-04	1.92E-05	6.69E-06	3.83E-05	4.57E-06	6.08E-06	2.01E-05	1.38E-06
5498	469623.16	3819889.3	7.05E-05	2.96E-04	2.66E-05	5.87E-05	2.17E-04	1.91E-05	6.65E-06	3.81E-05	4.54E-06	6.05E-06	1.99E-05	1.37E-06
5499	469619.67	3819880.39	7.00E-05	2.94E-04	2.65E-05	5.83E-05	2.16E-04	1.90E-05	6.61E-06	3.78E-05	4.51E-06	6.01E-06	1.98E-05	1.37E-06
5500	469616.17	3819871.49	6.95E-05	2.92E-04	2.63E-05	5.78E-05	2.14E-04	1.89E-05	6.56E-06	3.75E-05	4.48E-06	5.96E-06	1.97E-05	1.36E-06
5501	469612.67	3819862.58	6.89E-05	2.89E-04	2.60E-05	5.74E-05	2.12E-04	1.87E-05	6.50E-06	3.72E-05	4.44E-06	5.91E-06	1.95E-05	1.34E-06
5502	469609.18	3819853.68	6.82E-05	2.86E-04	2.58E-05	5.68E-05	2.11E-04	1.85E-05	6.44E-06	3.69E-05	4.40E-06	5.86E-06	1.93E-05	1.33E-06
5503	469605.68	3819844.78	6.75E-05	2.84E-04	2.55E-05	5.62E-05	2.08E-04	1.83E-05	6.38E-06	3.65E-05	4.35E-06	5.80E-06	1.91E-05	1.32E-06
5504	469518.26	3819622.17	3.62E-05	1.52E-04	1.37E-05	3.01E-05	1.12E-04	9.82E-06	3.42E-06	1.96E-05	2.33E-06	3.11E-06	1.02E-05	7.06E-07
5505	469514.77	3819613.27	3.48E-05	1.46E-04	1.32E-05	2.90E-05	1.07E-04	9.45E-06	3.29E-06	1.88E-05	2.24E-06	2.99E-06	9.85E-06	6.79E-07
5506	469511.27	3819604.37	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.48E-06	6.53E-07
5507	469507.77	3819595.46	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.93E-05	8.74E-06	3.04E-06	1.74E-05	2.08E-06	2.76E-06	9.11E-06	6.28E-07
5508	469504.28	3819586.56	3.09E-05	1.30E-04	1.17E-05	2.58E-05	9.55E-05	8.40E-06	2.92E-06	1.67E-05	2.00E-06	2.66E-06	8.76E-06	6.04E-07
5509	469500.78	3819577.65	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.16E-05	8.06E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.40E-06	5.79E-07
5510	469497.28	3819568.75	2.85E-05	1.20E-04	1.08E-05	2.37E-05	8.78E-05	7.73E-06	2.69E-06	1.54E-05	1.84E-06	2.44E-06	8.06E-06	5.55E-07
5511	469493.79	3819559.84	2.73E-05	1.15E-04	1.03E-05	2.27E-05	8.42E-05	7.41E-06	2.58E-06	1.48E-05	1.76E-06	2.34E-06	7.72E-06	5.32E-07
5512	469490.29	3819550.94	2.62E-05	1.10E-04	9.90E-06	2.18E-05	8.08E-05	7.11E-06	2.47E-06	1.41E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
5513	469486.79	3819542.04	2.51E-05	1.06E-04	9.50E-06	2.09E-05	7.75E-05	6.82E-06	2.37E-06	1.36E-05	1.62E-06	2.16E-06	7.11E-06	4.90E-07
5514	469483.3	3819533.13	2.41E-05	1.01E-04	9.12E-06	2.01E-05	7.44E-05	6.55E-06	2.28E-06	1.30E-05	1.56E-06	2.07E-06	6.82E-06	4.70E-07
5515	469479.8	3819524.23	2.31E-05	9.72E-05	8.75E-06	1.93E-05	7.14E-05	6.28E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.55E-06	4.52E-07
5516	469476.3	3819515.32	2.22E-05	9.33E-05	8.40E-06	1.85E-05	6.86E-05	6.03E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.29E-06	4.33E-07
5517	469472.81	3819506.42	2.13E-05	8.96E-05	8.07E-06	1.78E-05	6.58E-05	5.79E-06	2.01E-06	1.15E-05	1.38E-06	1.83E-06	6.04E-06	4.16E-07
5518	469469.31	3819497.52	2.05E-05	8.61E-05	7.75E-06	1.71E-05	6.32E-05	5.56E-06	1.94E-06	1.11E-05	1.32E-06	1.76E-06	5.80E-06	4.00E-07
5519	469465.81	3819488.61	1.97E-05	8.27E-05	7.45E-06	1.64E-05	6.08E-05	5.35E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.57E-06	3.84E-07
5520	469462.32	3819479.71	1.89E-05	7.95E-05	7.16E-06	1.58E-05	5.84E-05	5.14E-06	1.79E-06	1.02E-05	1.22E-06	1.63E-06	5.36E-06	3.70E-07
5521	469458.82	3819470.8	1.82E-05	7.65E-05	6.89E-06	1.52E-05	5.62E-05	4.95E-06	1.72E-06	9.85E-06	1.18E-06	1.56E-06	5.16E-06	3.55E-07
5522	469455.32	3819461.9	1.75E-05	7.36E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.66E-06	9.48E-06	1.13E-06	1.51E-06	4.96E-06	3.42E-07
5523	469451.83	3819453	1.69E-05	7.09E-05	6.39E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.13E-06	1.09E-06	1.45E-06	4.78E-06	3.30E-07
5524	469448.33	3819444.09	1.63E-05	6.84E-05	6.16E-06	1.36E-05	5.02E-05	4.42E-06	1.54E-06	8.80E-06	1.05E-06	1.40E-06	4.61E-06	3.18E-07
5525	470095.51	3820108.34	1.21E-04	5.09E-04	4.59E-05	1.01E-04	3.74E-04	3.29E-05	1.15E-05	6.56E-05	7.82E-06	1.04E-05	3.43E-05	2.37E-06
5526	470105.21	3820108.47	1.21E-04	5.08E-04	4.58E-05	1.01E-04	3.74E-04	3.29E-05	1.14E-05	6.54E-05	7.81E-06	1.04E-05	3.43E-05	2.36E-06
5527	470114.91	3820108.61	1.21E-04	5.07E-04	4.56E-05	1.01E-04	3.72E-04	3.28E-05	1.14E-05	6.52E-05	7.79E-06	1.04E-05	3.42E-05	2.36E-06
5528	470124.6	3820108.74	1.20E-04	5.05E-04	4.55E-05	1.00E-04	3.71E-04	3.26E-05	1.14E-05	6.50E-05	7.75E-06	1.03E-05	3.40E-05	2.35E-06
5529	470134.3	3820108.88	1.20E-04	5.02E-04	4.52E-05	9.96E-05	3.69E-04	3.25E-05	1.13E-05	6.47E-05	7.71E-06	1.03E-05	3.39E-05	2.33E-06
5530	470144	3820109.01	1.19E-04	4.99E-04	4.50E-05	9.90E-05	3.67E-04	3.23E-05	1.12E-05	6.43E-05	7.67E-06	1.02E-05	3.37E-05	2.32E-06
5531	470153.7	3820109.15	1.18E-04	4.96E-04	4.46E-05	9.83E-05	3.64E-04	3.20E-05	1.11E-05	6.38E-05	7.61E-06	1.01E-05	3.34E-05	2.30E-06
5532	470163.39	3820109.28	1.17E-04	4.92E-04	4.43E-05	9.76E-05	3.61E-04	3.18E-05	1.11E-05	6.33E-05	7.55E-06	1.01E-05	3.32E-05	2.29E-06
5533	470173.09	3820109.42	1.16E-04	4.88E-04	4.39E-05	9.67E-05	3.58E-04	3.15E-05	1.10E-05	6.28E-05	7.49E-06	9.97E-06	3.29E-05	2.27E-06
5534	470182.79	3820109.55	1.15E-04	4.83E-04	4.35E-05	9.58E-05	3.55E-04	3.12E-05	1.09E-05	6.22E-05	7.42E-06	9.87E-06	3.25E-05	2.24E-06
5535	470192.48	3820109.69	1.14E-04	4.78E-04	4.30E-05	9.48E-05	3.51E-04	3.09E-05	1.07E-05	6.15E-05	7.34E-06	9.77E-06	3.22E-05	2.22E-06
5536	470202.18	3820109.82	1.13E-04	4.73E-04	4.26E-05	9.37E-05	3.47E-04	3.05E-05	1.06E-05	6.08E-05	7.26E-06	9.66E-06	3.19E-05	2.20E-06
5537	470211.88	3820109.96	1.11E-04	4.67E-04	4.21E-05	9.27E-05	3.43E-04	3.02E-05	1.05E-05	6.01E-05	7.18E-06	9.55E-06	3.15E-05	2.17E-06
5538	470221.58	3820110.09	1.10E-04	4.62E-04	4.16E-05	9.16E-05	3.39E-04	2.98E-05	1.04E-05	5.94E-05	7.09E-06	9.44E-06	3.11E-05	2.15E-06
5539	470231.27	3820110.23	1.09E-04	4.56E-04	4.11E-05	9.05E-05	3.35E-04	2.95E-05	1.03E-05	5.87E-05	7.01E-06	9.32E-06	3.07E-05	2.12E-06
5540	470240.97	3820110.36	1.07E-04	4.50E-04	4.06E-05	8.93E-05	3.31E-04	2.91E-05	1.01E-05	5.80E-05	6.92E-06	9.21E-06	3.04E-05	2.09E-06
5541	470250.67	3820110.5	1.06E-04	4.44E-04	4.00E-05	8.81E-05	3.27E-04	2.87E-05	9.99E-06	5.72E-05	6.83E-06	9.08E-06	3.00E-05	2.06E-06
5542	470260.37	3820110.63	1.04E-04	4.38E-04	3.95E-05	8.70E-05	3.22E-04	2.83E-05	9.86E-06	5.64E-05	6.73E-06	8.96E-06	2.96E-05	2.04E-06
5543	470086.14	3820144.52	1.12E-04	4.69E-04	4.23E-05	9.31E-05	3.45E-04	3.03E-05	1.06E-05	6.04E-05	7.21E-06	9.59E-06	3.16E-05	2.18E-06
5544	470077.33	3820140.71	1.13E-04	4.73E-04	4.26E-05	9.39E-05	3.48E-04	3.06E-05	1.06E-05	6.09E-05	7.27E-06	9.67E-06	3.19E-05	2.20E-06

5545	470068.52	3820136.9	1.14E-04	4.77E-04	4.29E-05	9.46E-05	3.50E-04	3.08E-05	1.07E-05	6.14E-05	7.32E-06	9.75E-06	3.21E-05	2.22E-06
5546	470059.7	3820133.09	1.14E-04	4.80E-04	4.32E-05	9.52E-05	3.53E-04	3.10E-05	1.08E-05	6.18E-05	7.37E-06	9.81E-06	3.24E-05	2.23E-06
5547	470050.89	3820129.28	1.15E-04	4.83E-04	4.35E-05	9.57E-05	3.55E-04	3.12E-05	1.09E-05	6.21E-05	7.41E-06	9.87E-06	3.25E-05	2.24E-06
5548	470042.07	3820125.46	1.15E-04	4.85E-04	4.37E-05	9.61E-05	3.56E-04	3.13E-05	1.09E-05	6.24E-05	7.44E-06	9.91E-06	3.27E-05	2.25E-06
5549	470033.26	3820121.65	1.16E-04	4.86E-04	4.38E-05	9.65E-05	3.57E-04	3.14E-05	1.09E-05	6.26E-05	7.47E-06	9.94E-06	3.28E-05	2.26E-06
5550	470024.45	3820117.84	1.16E-04	4.87E-04	4.39E-05	9.67E-05	3.58E-04	3.15E-05	1.10E-05	6.27E-05	7.49E-06	9.96E-06	3.29E-05	2.26E-06
5551	470015.63	3820114.03	1.16E-04	4.88E-04	4.39E-05	9.68E-05	3.59E-04	3.15E-05	1.10E-05	6.28E-05	7.49E-06	9.97E-06	3.29E-05	2.27E-06
5552	470006.82	3820110.22	1.16E-04	4.88E-04	4.39E-05	9.68E-05	3.59E-04	3.15E-05	1.10E-05	6.28E-05	7.49E-06	9.97E-06	3.29E-05	2.27E-06
5553	469998.01	3820106.41	1.16E-04	4.87E-04	4.39E-05	9.67E-05	3.58E-04	3.15E-05	1.10E-05	6.27E-05	7.49E-06	9.96E-06	3.29E-05	2.26E-06
5554	469989.19	3820102.6	1.16E-04	4.86E-04	4.38E-05	9.65E-05	3.57E-04	3.14E-05	1.09E-05	6.26E-05	7.47E-06	9.94E-06	3.28E-05	2.26E-06
5555	469980.38	3820098.79	1.15E-04	4.85E-04	4.37E-05	9.62E-05	3.56E-04	3.13E-05	1.09E-05	6.24E-05	7.45E-06	9.91E-06	3.27E-05	2.25E-06
5556	469971.57	3820094.98	1.15E-04	4.83E-04	4.35E-05	9.58E-05	3.55E-04	3.12E-05	1.09E-05	6.22E-05	7.42E-06	9.87E-06	3.25E-05	2.24E-06
5557	469962.75	3820091.16	1.14E-04	4.80E-04	4.33E-05	9.53E-05	3.53E-04	3.11E-05	1.08E-05	6.19E-05	7.38E-06	9.82E-06	3.24E-05	2.23E-06
5558	469953.94	3820087.35	1.14E-04	4.78E-04	4.30E-05	9.47E-05	3.51E-04	3.09E-05	1.07E-05	6.15E-05	7.34E-06	9.77E-06	3.22E-05	2.22E-06
5559	469945.13	3820083.54	1.13E-04	4.75E-04	4.27E-05	9.41E-05	3.49E-04	3.07E-05	1.07E-05	6.11E-05	7.29E-06	9.70E-06	3.20E-05	2.20E-06
5560	469936.31	3820079.73	1.12E-04	4.71E-04	4.24E-05	9.34E-05	3.46E-04	3.04E-05	1.06E-05	6.06E-05	7.23E-06	9.63E-06	3.17E-05	2.19E-06
5561	469927.5	3820075.92	1.11E-04	4.67E-04	4.21E-05	9.26E-05	3.43E-04	3.02E-05	1.05E-05	6.01E-05	7.17E-06	9.55E-06	3.15E-05	2.17E-06
5562	469918.68	3820072.11	1.10E-04	4.63E-04	4.17E-05	9.18E-05	3.40E-04	2.99E-05	1.04E-05	5.96E-05	7.11E-06	9.46E-06	3.12E-05	2.15E-06
5563	469909.87	3820068.3	1.09E-04	4.59E-04	4.13E-05	9.10E-05	3.37E-04	2.96E-05	1.03E-05	5.90E-05	7.04E-06	9.37E-06	3.09E-05	2.13E-06
5564	469901.06	3820064.49	1.08E-04	4.54E-04	4.09E-05	9.00E-05	3.34E-04	2.93E-05	1.02E-05	5.84E-05	6.97E-06	9.28E-06	3.06E-05	2.11E-06
5565	469892.24	3820060.67	1.07E-04	4.49E-04	4.05E-05	8.91E-05	3.30E-04	2.90E-05	1.01E-05	5.78E-05	6.90E-06	9.18E-06	3.03E-05	2.09E-06
5566	469883.43	3820056.86	1.06E-04	4.44E-04	4.00E-05	8.81E-05	3.26E-04	2.87E-05	9.99E-06	5.72E-05	6.82E-06	9.08E-06	2.99E-05	2.06E-06
5567	469874.62	3820053.05	1.05E-04	4.39E-04	3.96E-05	8.71E-05	3.23E-04	2.84E-05	9.88E-06	5.65E-05	6.75E-06	8.98E-06	2.96E-05	2.04E-06
5568	469865.8	3820049.24	1.03E-04	4.34E-04	3.91E-05	8.61E-05	3.19E-04	2.81E-05	9.76E-06	5.59E-05	6.67E-06	8.87E-06	2.93E-05	2.02E-06
5569	469671.91	3819965.39	7.56E-05	3.17E-04	2.86E-05	6.29E-05	2.33E-04	2.05E-05	7.13E-06	4.08E-05	4.87E-06	6.49E-06	2.14E-05	1.47E-06
5570	469663.09	3819961.58	7.43E-05	3.12E-04	2.81E-05	6.19E-05	2.29E-04	2.02E-05	7.01E-06	4.01E-05	4.79E-06	6.38E-06	2.10E-05	1.45E-06
5571	469654.28	3819957.77	7.30E-05	3.06E-04	2.76E-05	6.08E-05	2.25E-04	1.98E-05	6.89E-06	3.94E-05	4.71E-06	6.26E-06	2.07E-05	1.42E-06
5572	469645.46	3819953.96	7.16E-05	3.01E-04	2.71E-05	5.97E-05	2.21E-04	1.94E-05	6.77E-06	3.87E-05	4.62E-06	6.15E-06	2.03E-05	1.40E-06
5573	469636.65	3819950.15	7.03E-05	2.95E-04	2.66E-05	5.86E-05	2.17E-04	1.91E-05	6.64E-06	3.80E-05	4.54E-06	6.04E-06	1.99E-05	1.37E-06
5574	469627.84	3819946.34	6.90E-05	2.90E-04	2.61E-05	5.75E-05	2.13E-04	1.87E-05	6.51E-06	3.73E-05	4.45E-06	5.92E-06	1.95E-05	1.35E-06
5575	469619.02	3819942.53	6.77E-05	2.84E-04	2.56E-05	5.63E-05	2.09E-04	1.84E-05	6.39E-06	3.66E-05	4.36E-06	5.81E-06	1.91E-05	1.32E-06
5576	469610.21	3819938.72	6.63E-05	2.78E-04	2.51E-05	5.52E-05	2.05E-04	1.80E-05	6.26E-06	3.58E-05	4.28E-06	5.69E-06	1.88E-05	1.29E-06
5577	469597.89	3819925.97	6.47E-05	2.72E-04	2.45E-05	5.39E-05	2.00E-04	1.76E-05	6.11E-06	3.50E-05	4.17E-06	5.55E-06	1.83E-05	1.26E-06
5578	469594.38	3819917.03	6.43E-05	2.70E-04	2.43E-05	5.36E-05	1.98E-04	1.75E-05	6.07E-06	3.48E-05	4.15E-06	5.52E-06	1.82E-05	1.25E-06
5579	469590.87	3819908.09	6.39E-05	2.68E-04	2.42E-05	5.32E-05	1.97E-04	1.73E-05	6.03E-06	3.45E-05	4.12E-06	5.49E-06	1.81E-05	1.25E-06
5580	469587.36	3819899.15	6.34E-05	2.66E-04	2.40E-05	5.28E-05	1.96E-04	1.72E-05	5.99E-06	3.43E-05	4.09E-06	5.45E-06	1.80E-05	1.24E-06
5581	469583.85	3819890.21	6.29E-05	2.64E-04	2.38E-05	5.24E-05	1.94E-04	1.71E-05	5.94E-06	3.40E-05	4.06E-06	5.40E-06	1.78E-05	1.23E-06
5582	469580.34	3819881.28	6.24E-05	2.62E-04	2.36E-05	5.19E-05	1.92E-04	1.69E-05	5.89E-06	3.37E-05	4.02E-06	5.35E-06	1.77E-05	1.22E-06
5583	469576.83	3819872.34	6.18E-05	2.59E-04	2.34E-05	5.14E-05	1.91E-04	1.68E-05	5.83E-06	3.34E-05	3.98E-06	5.30E-06	1.75E-05	1.21E-06
5584	469573.32	3819863.4	6.11E-05	2.57E-04	2.31E-05	5.09E-05	1.89E-04	1.66E-05	5.77E-06	3.30E-05	3.94E-06	5.25E-06	1.73E-05	1.19E-06
5585	469569.81	3819854.46	6.04E-05	2.54E-04	2.28E-05	5.03E-05	1.86E-04	1.64E-05	5.70E-06	3.26E-05	3.89E-06	5.18E-06	1.71E-05	1.18E-06
5586	469566.3	3819845.53	5.96E-05	2.50E-04	2.25E-05	4.97E-05	1.84E-04	1.62E-05	5.63E-06	3.22E-05	3.85E-06	5.12E-06	1.69E-05	1.16E-06
5587	469478.55	3819622.08	3.08E-05	1.29E-04	1.16E-05	2.56E-05	9.50E-05	8.36E-06	2.91E-06	1.66E-05	1.99E-06	2.64E-06	8.72E-06	6.01E-07
5588	469475.04	3819613.14	2.96E-05	1.24E-04	1.12E-05	2.47E-05	9.14E-05	8.04E-06	2.80E-06	1.60E-05	1.91E-06	2.54E-06	8.38E-06	5.78E-07
5589	469471.53	3819604.21	2.85E-05	1.20E-04	1.08E-05	2.37E-05	8.80E-05	7.74E-06	2.69E-06	1.54E-05	1.84E-06	2.45E-06	8.07E-06	5.56E-07
5590	469468.02	3819595.27	2.74E-05	1.15E-04	1.04E-05	2.28E-05	8.46E-05	7.45E-06	2.59E-06	1.48E-05	1.77E-06	2.35E-06	7.76E-06	5.35E-07
5591	469464.51	3819586.33	2.64E-05	1.11E-04	9.98E-06	2.20E-05	8.14E-05	7.16E-06	2.49E-06	1.43E-05	1.70E-06	2.26E-06	7.47E-06	5.15E-07
5592	469461	3819577.39	2.53E-05	1.06E-04	9.58E-06	2.11E-05	7.82E-05	6.88E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.17E-06	4.94E-07
5593	469457.49	3819568.45	2.43E-05	1.02E-04	9.19E-06	2.03E-05	7.50E-05	6.60E-06	2.30E-06	1.31E-05	1.57E-06	2.09E-06	6.88E-06	4.74E-07
5594	469453.98	3819559.52	2.33E-05	9.80E-05	8.82E-06	1.94E-05	7.20E-05	6.33E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.60E-06	4.55E-07
5595	469450.47	3819550.58	2.24E-05	9.41E-05	8.48E-06	1.87E-05	6.92E-05	6.08E-06	2.12E-06	1.21E-05	1.45E-06	1.92E-06	6.34E-06	4.37E-07
5596	469446.96	3819541.64	2.15E-05	9.05E-05	8.15E-06	1.79E-05	6.65E-05	5.85E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.10E-06	4.20E-07
5597	469443.45	3819532.7	2.07E-05	8.70E-05	7.83E-06	1.72E-05	6.39E-05	5.62E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.86E-06	4.04E-07
5598	469439.94	3819523.77	1.99E-05	8.36E-05	7.53E-06	1.66E-05	6.14E-05	5.40E-06	1.88E-06	1.08E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
5599	469436.43	3819514.83	1.91E-05	8.04E-05	7.24E-06	1.59E-05	5.91E-05	5.20E-06	1.81E-06	1.03E-05	1.23E-06	1.64E-06	5.42E-06	3.73E-07
5600	469432.92	3819505.89	1.84E-05	7.73E-05	6.96E-06	1.53E-05	5.68E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
5601	469429.41	3819496.95	1.77E-05	7.44E-05	6.70E-06	1.48E-05	5.47E-05	4.81E-06	1.67E-06	9.58E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
5602	469425.9	3819488.01	1.71E-05	7.17E-05	6.45E-06	1.42E-05	5.27E-05	4.63E-06	1.61E-06	9.23E-06	1.10E-06	1.47E-06	4.83E-06	3.33E-07
5603	469422.39	3819479.08	1.64E-05	6.91E-05	6.22E-06	1.37E-05	5.07E-05	4.46E-06	1.55E-06	8.89E-06	1.06E-06	1.41E-06	4.65E-06	3.21E-07
5604	469418.88	3819470.14	1.59E-05	6.66E-05	5.99E-06	1.32E-05	4.89E-05	4.30E-06	1.50E-06	8.57E-06	1.02E-06	1.36E-06	4.49E-06	3.09E-07
5605	469415.37	3819461.2	1.53E-05	6.42E-05	5.78E-06	1.27E-05	4.72E-05	4.15E-06	1.44E-06	8.27E-06	9.86E-07	1.31E-06	4.33E-06	2.98E-07
5606	469411.86	3819452.26	1.48E-05	6.20E-05	5.58E-06	1.23E-05	4.55E-05	4.01E-06	1.39E-06	7.98E-06	9.52E-07	1.27E-06	4.18E-06	2.88E-07
5607	469408.35	3819443.32	1.43E-05	5.99E-05	5.39E-06	1.19E-05	4.40E-05	3.87E-06	1.35E-06	7.71E-06	9.19E-07	1.22E-06	4.03E-06	2.78E-07
5608	470094.96	3820148.33	1.11E-04	4.65E-04	4.18E-05	9.22E-05	3.41E-04	3.00E-05	1.04E-05	5.98E-05	7.14E-06	9.50E-06	3.13E-05	2.16E-06
5609	470104.65	3820148.47	1.10E-04	4.63E-04	4.17E-05	9.19E-05	3.41E-04	3.00E-05	1.04E-05	5.97E-05	7.12E-06	9.47E-06	3.12E-05	2.15E-06
5610	470114.35	3820148.6	1.10E-04	4.62E-04	4.16E-05	9.16E-05	3.39E-04	2.98E-05	1.04E-05	5.94E-05	7.09E-06	9.44E-06	3.11E-05	2.15E-06
5611	470124.05	3820148.74	1.09E-04	4.60E-04	4.14E-05	9.12E-05	3.38E-04	2.97E-05	1.03E-05	5.92E-05	7.06E-06	9.40E-06	3.10E-05	2.14E-06
5612	470133.74	3820148.87	1.09E-04	4.57E-04	4.12E-05	9.07E-05	3.36E-04	2.96E-05	1.03E-05	5.89E-05	7.02E-06	9.35E-06	3.08E-05	2.12E-06
5613	470143.44	3820149.01	1.08E-04	4.54E-04	4.09E-05	9.01E-05	3.34E-04	2.94E-05	1.02E-05	5.85E-05	6.98E-06	9.29E-06	3.06E-05	2.11E-06
5614	470153.14	3820149.14	1.07E-04	4.51E-04	4.06E-05	8.94E-05	3.31E-04	2.92E-05	1.01E-05	5.81E-05	6.93E-06	9.22E-06	3.04E-05	2.10E-06
5615	470162.84	3820149.28	1.07E-04	4.47E-04	4.03E-05	8.87E-05	3.29E-04	2.89E-05	1.01E-05	5.76E-05	6.87E-06	9.14E-06	3.01E-05	2.08E-06
5616	470172.53	3820149.41	1.06E-04	4.43E-04	3.99E-05	8.79E-05	3.26E-04	2.87E-05	9.97E-06	5.71E-05	6.81E-06	9.06E-06	2.99E-05	2.06E-06
5617	470182.23	3820149.55	1.05E-04	4.39E-04	3.95E-05	8.71E-05	3.23E-04	2.84E-05	9.87E-06	5.65E-05	6.74E-06	8.98E-06	2.96E-05	2.04E-06

5618	470191.93	3820149.68	1.04E-04	4.35E-04	3.91E-05	8.62E-05	3.19E-04	2.81E-05	9.77E-06	5.60E-05	6.68E-06	8.89E-06	2.93E-05	2.02E-06
5619	470201.63	3820149.82	1.02E-04	4.30E-04	3.87E-05	8.53E-05	3.16E-04	2.78E-05	9.67E-06	5.54E-05	6.61E-06	8.79E-06	2.90E-05	2.00E-06
5620	470211.32	3820149.95	1.01E-04	4.25E-04	3.83E-05	8.44E-05	3.13E-04	2.75E-05	9.56E-06	5.48E-05	6.53E-06	8.69E-06	2.87E-05	1.98E-06
5621	470221.02	3820150.09	1.00E-04	4.20E-04	3.79E-05	8.34E-05	3.09E-04	2.72E-05	9.45E-06	5.41E-05	6.46E-06	8.59E-06	2.83E-05	1.95E-06
5622	470230.72	3820150.22	9.89E-05	4.15E-04	3.74E-05	8.24E-05	3.05E-04	2.68E-05	9.34E-06	5.35E-05	6.38E-06	8.49E-06	2.80E-05	1.93E-06
5623	470240.41	3820150.36	9.77E-05	4.10E-04	3.69E-05	8.14E-05	3.01E-04	2.65E-05	9.23E-06	5.28E-05	6.30E-06	8.39E-06	2.77E-05	1.91E-06
5624	470250.11	3820150.49	9.65E-05	4.05E-04	3.65E-05	8.04E-05	2.98E-04	2.62E-05	9.11E-06	5.22E-05	6.22E-06	8.28E-06	2.73E-05	1.88E-06
5625	470259.81	3820150.63	9.53E-05	4.00E-04	3.60E-05	7.94E-05	2.94E-04	2.59E-05	9.00E-06	5.15E-05	6.15E-06	8.18E-06	2.70E-05	1.86E-06
5626	470049.49	3820209.15	9.70E-05	4.07E-04	3.67E-05	8.08E-05	2.99E-04	2.63E-05	9.16E-06	5.25E-05	6.26E-06	8.33E-06	2.75E-05	1.89E-06
5627	470040.62	3820205.31	9.75E-05	4.10E-04	3.69E-05	8.13E-05	3.01E-04	2.65E-05	9.21E-06	5.27E-05	6.29E-06	8.37E-06	2.76E-05	1.90E-06
5628	470031.75	3820201.47	9.80E-05	4.11E-04	3.71E-05	8.16E-05	3.02E-04	2.66E-05	9.25E-06	5.30E-05	6.32E-06	8.41E-06	2.77E-05	1.91E-06
5629	470022.88	3820197.64	9.83E-05	4.13E-04	3.72E-05	8.19E-05	3.03E-04	2.67E-05	9.28E-06	5.31E-05	6.34E-06	8.44E-06	2.78E-05	1.92E-06
5630	470014.01	3820193.8	9.85E-05	4.14E-04	3.73E-05	8.21E-05	3.04E-04	2.68E-05	9.31E-06	5.33E-05	6.36E-06	8.46E-06	2.79E-05	1.92E-06
5631	470005.14	3820189.97	9.87E-05	4.14E-04	3.73E-05	8.22E-05	3.05E-04	2.68E-05	9.32E-06	5.34E-05	6.37E-06	8.47E-06	2.79E-05	1.93E-06
5632	469996.27	3820186.13	9.87E-05	4.15E-04	3.73E-05	8.22E-05	3.05E-04	2.68E-05	9.32E-06	5.34E-05	6.37E-06	8.48E-06	2.80E-05	1.93E-06
5633	469987.4	3820182.29	9.87E-05	4.14E-04	3.73E-05	8.22E-05	3.05E-04	2.68E-05	9.32E-06	5.34E-05	6.37E-06	8.47E-06	2.79E-05	1.93E-06
5634	469978.53	3820178.46	9.86E-05	4.14E-04	3.73E-05	8.21E-05	3.04E-04	2.68E-05	9.31E-06	5.33E-05	6.36E-06	8.46E-06	2.79E-05	1.92E-06
5635	469969.66	3820174.62	9.83E-05	4.13E-04	3.72E-05	8.19E-05	3.03E-04	2.67E-05	9.29E-06	5.32E-05	6.34E-06	8.44E-06	2.78E-05	1.92E-06
5636	469960.79	3820170.79	9.80E-05	4.12E-04	3.71E-05	8.16E-05	3.02E-04	2.66E-05	9.26E-06	5.30E-05	6.32E-06	8.41E-06	2.77E-05	1.91E-06
5637	469951.92	3820166.95	9.76E-05	4.10E-04	3.69E-05	8.13E-05	3.01E-04	2.65E-05	9.22E-06	5.28E-05	6.30E-06	8.38E-06	2.76E-05	1.90E-06
5638	469943.05	3820163.12	9.71E-05	4.08E-04	3.67E-05	8.09E-05	3.00E-04	2.64E-05	9.17E-06	5.25E-05	6.26E-06	8.34E-06	2.75E-05	1.89E-06
5639	469934.17	3820159.28	9.65E-05	4.05E-04	3.65E-05	8.04E-05	2.98E-04	2.62E-05	9.12E-06	5.22E-05	6.23E-06	8.29E-06	2.73E-05	1.88E-06
5640	469925.3	3820155.44	9.59E-05	4.03E-04	3.63E-05	7.99E-05	2.96E-04	2.60E-05	9.06E-06	5.18E-05	6.19E-06	8.23E-06	2.71E-05	1.87E-06
5641	469916.43	3820151.61	9.52E-05	4.00E-04	3.60E-05	7.93E-05	2.94E-04	2.59E-05	8.99E-06	5.15E-05	6.14E-06	8.18E-06	2.70E-05	1.86E-06
5642	469907.56	3820147.77	9.45E-05	3.97E-04	3.57E-05	7.87E-05	2.92E-04	2.57E-05	8.92E-06	5.11E-05	6.10E-06	8.11E-06	2.67E-05	1.84E-06
5643	469898.69	3820143.94	9.37E-05	3.94E-04	3.54E-05	7.80E-05	2.89E-04	2.54E-05	8.85E-06	5.07E-05	6.04E-06	8.04E-06	2.65E-05	1.83E-06
5644	469889.82	3820140.1	9.29E-05	3.90E-04	3.51E-05	7.74E-05	2.87E-04	2.52E-05	8.77E-06	5.02E-05	5.99E-06	7.97E-06	2.63E-05	1.81E-06
5645	469880.95	3820136.27	9.20E-05	3.86E-04	3.48E-05	7.67E-05	2.84E-04	2.50E-05	8.69E-06	4.98E-05	5.94E-06	7.90E-06	2.60E-05	1.80E-06
5646	469872.08	3820132.43	9.11E-05	3.83E-04	3.45E-05	7.59E-05	2.81E-04	2.47E-05	8.61E-06	4.93E-05	5.88E-06	7.82E-06	2.58E-05	1.78E-06
5647	469863.21	3820128.59	9.02E-05	3.79E-04	3.41E-05	7.51E-05	2.78E-04	2.45E-05	8.52E-06	4.88E-05	5.82E-06	7.74E-06	2.55E-05	1.76E-06
5648	469854.34	3820124.76	8.92E-05	3.75E-04	3.37E-05	7.43E-05	2.75E-04	2.42E-05	8.43E-06	4.82E-05	5.76E-06	7.66E-06	2.53E-05	1.74E-06
5649	469845.47	3820120.92	8.82E-05	3.71E-04	3.34E-05	7.35E-05	2.72E-04	2.40E-05	8.33E-06	4.77E-05	5.69E-06	7.58E-06	2.50E-05	1.72E-06
5650	469836.6	3820117.09	8.72E-05	3.66E-04	3.30E-05	7.27E-05	2.69E-04	2.37E-05	8.24E-06	4.72E-05	5.63E-06	7.49E-06	2.47E-05	1.70E-06
5651	469827.73	3820113.25	8.62E-05	3.62E-04	3.26E-05	7.18E-05	2.66E-04	2.34E-05	8.14E-06	4.66E-05	5.56E-06	7.40E-06	2.44E-05	1.68E-06
5652	469818.86	3820109.41	8.52E-05	3.58E-04	3.22E-05	7.10E-05	2.63E-04	2.31E-05	8.05E-06	4.61E-05	5.50E-06	7.32E-06	2.41E-05	1.66E-06
5653	469809.99	3820105.58	8.42E-05	3.54E-04	3.18E-05	7.01E-05	2.60E-04	2.29E-05	7.95E-06	4.55E-05	5.43E-06	7.23E-06	2.38E-05	1.64E-06
5654	469801.12	3820101.74	8.32E-05	3.49E-04	3.15E-05	6.93E-05	2.57E-04	2.26E-05	7.86E-06	4.50E-05	5.37E-06	7.14E-06	2.36E-05	1.62E-06
5655	469792.25	3820097.91	8.22E-05	3.45E-04	3.11E-05	6.85E-05	2.54E-04	2.23E-05	7.76E-06	4.44E-05	5.30E-06	7.06E-06	2.33E-05	1.60E-06
5656	469783.38	3820094.07	8.12E-05	3.41E-04	3.07E-05	6.76E-05	2.51E-04	2.20E-05	7.67E-06	4.39E-05	5.24E-06	6.97E-06	2.30E-05	1.58E-06
5657	469774.51	3820090.24	8.02E-05	3.37E-04	3.03E-05	6.68E-05	2.48E-04	2.18E-05	7.57E-06	4.34E-05	5.17E-06	6.89E-06	2.27E-05	1.57E-06
5658	469765.64	3820086.4	7.92E-05	3.33E-04	3.00E-05	6.60E-05	2.44E-04	2.15E-05	7.48E-06	4.28E-05	5.11E-06	6.80E-06	2.24E-05	1.55E-06
5659	469756.77	3820082.56	7.83E-05	3.29E-04	2.96E-05	6.52E-05	2.41E-04	2.12E-05	7.39E-06	4.23E-05	5.05E-06	6.72E-06	2.22E-05	1.53E-06
5660	469747.9	3820078.73	7.73E-05	3.25E-04	2.92E-05	6.44E-05	2.38E-04	2.10E-05	7.30E-06	4.18E-05	4.99E-06	6.63E-06	2.19E-05	1.51E-06
5661	469739.03	3820074.89	7.63E-05	3.21E-04	2.89E-05	6.36E-05	2.36E-04	2.07E-05	7.21E-06	4.13E-05	4.92E-06	6.55E-06	2.16E-05	1.49E-06
5662	469730.16	3820071.06	7.54E-05	3.17E-04	2.85E-05	6.28E-05	2.33E-04	2.05E-05	7.12E-06	4.07E-05	4.86E-06	6.47E-06	2.13E-05	1.47E-06
5663	469721.28	3820067.22	7.44E-05	3.13E-04	2.81E-05	6.20E-05	2.30E-04	2.02E-05	7.03E-06	4.02E-05	4.80E-06	6.39E-06	2.11E-05	1.45E-06
5664	469712.41	3820063.38	7.35E-05	3.09E-04	2.78E-05	6.12E-05	2.27E-04	1.99E-05	6.94E-06	3.97E-05	4.74E-06	6.31E-06	2.08E-05	1.43E-06
5665	469588.23	3820009.68	6.00E-05	2.52E-04	2.27E-05	5.00E-05	1.85E-04	1.63E-05	5.67E-06	3.24E-05	3.87E-06	5.15E-06	1.70E-05	1.17E-06
5666	469579.36	3820005.85	5.90E-05	2.48E-04	2.23E-05	4.91E-05	1.82E-04	1.60E-05	5.57E-06	3.19E-05	3.81E-06	5.06E-06	1.67E-05	1.15E-06
5667	469570.49	3820002.01	5.80E-05	2.43E-04	2.19E-05	4.83E-05	1.79E-04	1.57E-05	5.47E-06	3.13E-05	3.74E-06	4.98E-06	1.64E-05	1.13E-06
5668	469561.62	3819998.18	5.69E-05	2.39E-04	2.15E-05	4.74E-05	1.76E-04	1.55E-05	5.38E-06	3.08E-05	3.67E-06	4.89E-06	1.61E-05	1.11E-06
5669	469552.75	3819994.34	5.59E-05	2.35E-04	2.11E-05	4.66E-05	1.73E-04	1.52E-05	5.28E-06	3.02E-05	3.61E-06	4.80E-06	1.58E-05	1.09E-06
5670	469540.34	3819981.51	5.46E-05	2.29E-04	2.07E-05	4.55E-05	1.69E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
5671	469536.81	3819972.51	5.43E-05	2.28E-04	2.05E-05	4.53E-05	1.68E-04	1.47E-05	5.13E-06	2.94E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
5672	469533.28	3819963.52	5.40E-05	2.27E-04	2.04E-05	4.50E-05	1.67E-04	1.47E-05	5.10E-06	2.92E-05	3.48E-06	4.64E-06	1.53E-05	1.05E-06
5673	469529.75	3819954.52	5.37E-05	2.25E-04	2.03E-05	4.47E-05	1.66E-04	1.46E-05	5.07E-06	2.90E-05	3.46E-06	4.61E-06	1.52E-05	1.05E-06
5674	469526.21	3819945.53	5.33E-05	2.24E-04	2.01E-05	4.44E-05	1.64E-04	1.45E-05	5.03E-06	2.88E-05	3.43E-06	4.57E-06	1.51E-05	1.04E-06
5675	469522.68	3819936.53	5.28E-05	2.22E-04	2.00E-05	4.40E-05	1.63E-04	1.43E-05	4.99E-06	2.86E-05	3.41E-06	4.53E-06	1.50E-05	1.03E-06
5676	469519.15	3819927.54	5.23E-05	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.94E-06	2.83E-05	3.38E-06	4.49E-06	1.48E-05	1.02E-06
5677	469515.62	3819918.54	5.18E-05	2.18E-04	1.96E-05	4.32E-05	1.60E-04	1.41E-05	4.89E-06	2.80E-05	3.34E-06	4.45E-06	1.47E-05	1.01E-06
5678	469512.08	3819909.55	5.13E-05	2.15E-04	1.94E-05	4.27E-05	1.58E-04	1.39E-05	4.84E-06	2.77E-05	3.31E-06	4.40E-06	1.45E-05	1.00E-06
5679	469508.55	3819900.55	5.07E-05	2.13E-04	1.92E-05	4.22E-05	1.56E-04	1.38E-05	4.79E-06	2.74E-05	3.27E-06	4.35E-06	1.44E-05	9.89E-07
5680	469505.02	3819891.55	5.01E-05	2.10E-04	1.89E-05	4.17E-05	1.55E-04	1.36E-05	4.73E-06	2.71E-05	3.23E-06	4.30E-06	1.42E-05	9.77E-07
5681	469501.49	3819882.56	4.94E-05	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.67E-05	3.19E-06	4.24E-06	1.40E-05	9.65E-07
5682	469497.95	3819873.56	4.87E-05	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.60E-06	2.63E-05	3.14E-06	4.18E-06	1.38E-05	9.51E-07
5683	469494.42	3819864.57	4.80E-05	2.02E-04	1.82E-05	4.00E-05	1.48E-04	1.30E-05	4.53E-06	2.60E-05	3.10E-06	4.12E-06	1.36E-05	9.37E-07
5684	469490.89	3819855.57	4.73E-05	1.98E-04	1.79E-05	3.94E-05	1.46E-04	1.28E-05	4.46E-06	2.55E-05	3.05E-06	4.06E-06	1.34E-05	9.22E-07
5685	469487.36	3819846.58	4.65E-05	1.95E-04	1.76E-05	3.87E-05	1.43E-04	1.26E-05	4.39E-06	2.51E-05	3.00E-06	3.99E-06	1.32E-05	9.07E-07
5686	469444.96	3819738.63	3.52E-05	1.48E-04	1.33E-05	2.93E-05	1.09E-04	9.56E-06	3.33E-06	1.90E-05	2.27E-06	3.02E-06	9.97E-06	6.87E-07
5687	469441.43	3819729.64	3.42E-05	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.29E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.69E-06	6.68E-07
5688	469437.9	3819720.64	3.32E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.02E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
5689	469434.37	3819711.64	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.94E-05	8.75E-06	3.04E-06	1.74E-05	2.08E-06	2.77E-06	9.12E-06	6.29E-07
5690	469430.83	3819702.65	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.63E-05	8.47E-06	2.95E-06	1.69E-05	2.01E-06	2.68E-06	8.84E-06	6.09E-07

5691	469427.3	3819693.65	3.02E-05	1.27E-04	1.14E-05	2.52E-05	9.32E-05	8.20E-06	2.85E-06	1.63E-05	1.95E-06	2.59E-06	8.55E-06	5.89E-07
5692	469423.77	3819684.66	2.92E-05	1.23E-04	1.10E-05	2.43E-05	9.01E-05	7.92E-06	2.76E-06	1.58E-05	1.88E-06	2.51E-06	8.26E-06	5.70E-07
5693	469420.24	3819675.66	2.82E-05	1.18E-04	1.07E-05	2.35E-05	8.70E-05	7.65E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
5694	469416.7	3819666.67	2.72E-05	1.14E-04	1.03E-05	2.27E-05	8.40E-05	7.39E-06	2.57E-06	1.47E-05	1.76E-06	2.34E-06	7.71E-06	5.31E-07
5695	469413.17	3819657.67	2.63E-05	1.10E-04	9.95E-06	2.19E-05	8.12E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.13E-07
5696	469409.64	3819648.68	2.54E-05	1.07E-04	9.60E-06	2.12E-05	7.84E-05	6.89E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.19E-06	4.96E-07
5697	469406.11	3819639.68	2.45E-05	1.03E-04	9.27E-06	2.04E-05	7.56E-05	6.65E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.94E-06	4.78E-07
5698	469402.57	3819630.69	2.36E-05	9.92E-05	8.94E-06	1.97E-05	7.29E-05	6.41E-06	2.23E-06	1.28E-05	1.52E-06	2.03E-06	6.69E-06	4.61E-07
5699	469399.04	3819621.69	2.28E-05	9.57E-05	8.62E-06	1.90E-05	7.03E-05	6.18E-06	2.15E-06	1.23E-05	1.47E-06	1.96E-06	6.45E-06	4.45E-07
5700	469395.51	3819612.69	2.20E-05	9.22E-05	8.30E-06	1.83E-05	6.77E-05	5.96E-06	2.07E-06	1.19E-05	1.42E-06	1.88E-06	6.21E-06	4.28E-07
5701	469391.98	3819603.7	2.11E-05	8.87E-05	7.99E-06	1.76E-05	6.52E-05	5.74E-06	2.00E-06	1.14E-05	1.36E-06	1.81E-06	5.98E-06	4.12E-07
5702	469388.44	3819594.7	2.03E-05	8.54E-05	7.69E-06	1.69E-05	6.27E-05	5.52E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.75E-06	3.97E-07
5703	469384.91	3819585.71	1.96E-05	8.21E-05	7.40E-06	1.63E-05	6.04E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.54E-06	3.82E-07
5704	469381.38	3819576.71	1.88E-05	7.91E-05	7.13E-06	1.57E-05	5.81E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.33E-06	3.68E-07
5705	469377.85	3819567.72	1.82E-05	7.62E-05	6.87E-06	1.51E-05	5.60E-05	4.93E-06	1.71E-06	9.81E-06	1.17E-06	1.56E-06	5.14E-06	3.54E-07
5706	469374.31	3819558.72	1.75E-05	7.35E-05	6.62E-06	1.46E-05	5.40E-05	4.75E-06	1.65E-06	9.46E-06	1.13E-06	1.50E-06	4.95E-06	3.41E-07
5707	469370.78	3819549.73	1.69E-05	7.08E-05	6.37E-06	1.40E-05	5.20E-05	4.58E-06	1.59E-06	9.11E-06	1.09E-06	1.45E-06	4.77E-06	3.29E-07
5708	469367.25	3819540.73	1.62E-05	6.82E-05	6.14E-06	1.35E-05	5.01E-05	4.41E-06	1.53E-06	8.78E-06	1.05E-06	1.39E-06	4.60E-06	3.17E-07
5709	469363.71	3819531.74	1.57E-05	6.58E-05	5.93E-06	1.31E-05	4.83E-05	4.25E-06	1.48E-06	8.47E-06	1.01E-06	1.35E-06	4.44E-06	3.06E-07
5710	469360.18	3819522.74	1.51E-05	6.35E-05	5.72E-06	1.26E-05	4.66E-05	4.10E-06	1.43E-06	8.17E-06	9.75E-07	1.30E-06	4.28E-06	2.95E-07
5711	469356.65	3819513.74	1.46E-05	6.13E-05	5.52E-06	1.21E-05	4.50E-05	3.96E-06	1.38E-06	7.89E-06	9.41E-07	1.25E-06	4.13E-06	2.85E-07
5712	469353.12	3819504.75	1.41E-05	5.91E-05	5.33E-06	1.17E-05	4.35E-05	3.82E-06	1.33E-06	7.61E-06	9.08E-07	1.21E-06	3.99E-06	2.75E-07
5713	469349.58	3819495.75	1.36E-05	5.71E-05	5.15E-06	1.13E-05	4.20E-05	3.69E-06	1.28E-06	7.35E-06	8.77E-07	1.17E-06	3.85E-06	2.65E-07
5714	469346.05	3819486.76	1.31E-05	5.52E-05	4.97E-06	1.10E-05	4.06E-05	3.57E-06	1.24E-06	7.11E-06	8.48E-07	1.13E-06	3.72E-06	2.57E-07
5715	469342.52	3819477.76	1.27E-05	5.34E-05	4.81E-06	1.06E-05	3.92E-05	3.45E-06	1.20E-06	6.87E-06	8.20E-07	1.09E-06	3.60E-06	2.48E-07
5716	469338.99	3819468.77	1.23E-05	5.17E-05	4.65E-06	1.02E-05	3.80E-05	3.34E-06	1.16E-06	6.65E-06	7.94E-07	1.06E-06	3.48E-06	2.40E-07
5717	469335.45	3819459.77	1.19E-05	5.00E-05	4.50E-06	9.92E-06	3.67E-05	3.23E-06	1.12E-06	6.44E-06	7.68E-07	1.02E-06	3.37E-06	2.32E-07
5718	469331.92	3819450.78	1.15E-05	4.84E-05	4.36E-06	9.59E-06	3.55E-05	3.13E-06	1.09E-06	6.23E-06	7.43E-07	9.89E-07	3.26E-06	2.25E-07
5719	469328.39	3819441.78	1.12E-05	4.68E-05	4.22E-06	9.29E-06	3.44E-05	3.03E-06	1.05E-06	6.03E-06	7.19E-07	9.57E-07	3.16E-06	2.18E-07
5720	470093.84	3820228.32	9.32E-05	3.91E-04	3.52E-05	7.76E-05	2.88E-04	2.53E-05	8.80E-06	5.04E-05	6.01E-06	8.00E-06	2.64E-05	1.82E-06
5721	470103.54	3820228.46	9.29E-05	3.90E-04	3.51E-05	7.73E-05	2.87E-04	2.52E-05	8.77E-06	5.02E-05	5.99E-06	7.97E-06	2.63E-05	1.81E-06
5722	470113.24	3820228.59	9.25E-05	3.88E-04	3.50E-05	7.70E-05	2.85E-04	2.51E-05	8.73E-06	5.00E-05	5.96E-06	7.94E-06	2.62E-05	1.80E-06
5723	470122.93	3820228.73	9.20E-05	3.86E-04	3.48E-05	7.66E-05	2.84E-04	2.50E-05	8.69E-06	4.97E-05	5.93E-06	7.90E-06	2.60E-05	1.80E-06
5724	470132.63	3820228.86	9.15E-05	3.84E-04	3.46E-05	7.62E-05	2.82E-04	2.48E-05	8.64E-06	4.94E-05	5.90E-06	7.85E-06	2.59E-05	1.78E-06
5725	470142.33	3820229	9.08E-05	3.81E-04	3.44E-05	7.57E-05	2.80E-04	2.47E-05	8.58E-06	4.91E-05	5.86E-06	7.80E-06	2.57E-05	1.77E-06
5726	470152.03	3820229.13	9.01E-05	3.79E-04	3.41E-05	7.51E-05	2.78E-04	2.45E-05	8.51E-06	4.87E-05	5.81E-06	7.74E-06	2.55E-05	1.76E-06
5727	470161.72	3820229.27	8.94E-05	3.75E-04	3.38E-05	7.45E-05	2.76E-04	2.43E-05	8.44E-06	4.83E-05	5.77E-06	7.67E-06	2.53E-05	1.74E-06
5728	470171.42	3820229.4	8.86E-05	3.72E-04	3.35E-05	7.38E-05	2.73E-04	2.40E-05	8.37E-06	4.79E-05	5.71E-06	7.61E-06	2.51E-05	1.73E-06
5729	470181.12	3820229.54	8.77E-05	3.69E-04	3.32E-05	7.31E-05	2.71E-04	2.38E-05	8.29E-06	4.74E-05	5.66E-06	7.53E-06	2.48E-05	1.71E-06
5730	470190.81	3820229.67	8.69E-05	3.65E-04	3.29E-05	7.24E-05	2.68E-04	2.36E-05	8.20E-06	4.70E-05	5.60E-06	7.46E-06	2.46E-05	1.69E-06
5731	470200.51	3820229.81	8.60E-05	3.61E-04	3.25E-05	7.16E-05	2.65E-04	2.33E-05	8.12E-06	4.65E-05	5.54E-06	7.38E-06	2.43E-05	1.68E-06
5732	470210.21	3820229.94	8.50E-05	3.57E-04	3.22E-05	7.08E-05	2.62E-04	2.31E-05	8.03E-06	4.60E-05	5.48E-06	7.30E-06	2.41E-05	1.66E-06
5733	470219.91	3820230.08	8.41E-05	3.53E-04	3.18E-05	7.00E-05	2.59E-04	2.28E-05	7.94E-06	4.54E-05	5.42E-06	7.22E-06	2.38E-05	1.64E-06
5734	470229.6	3820230.21	8.31E-05	3.49E-04	3.14E-05	6.92E-05	2.56E-04	2.26E-05	7.85E-06	4.49E-05	5.36E-06	7.13E-06	2.35E-05	1.62E-06
5735	470239.3	3820230.35	8.22E-05	3.45E-04	3.11E-05	6.84E-05	2.54E-04	2.23E-05	7.76E-06	4.44E-05	5.30E-06	7.05E-06	2.33E-05	1.60E-06
5736	470249	3820230.48	8.12E-05	3.41E-04	3.07E-05	6.76E-05	2.51E-04	2.20E-05	7.67E-06	4.39E-05	5.24E-06	6.97E-06	2.30E-05	1.58E-06
5737	470258.7	3820230.62	8.02E-05	3.37E-04	3.03E-05	6.68E-05	2.48E-04	2.18E-05	7.58E-06	4.34E-05	5.18E-06	6.89E-06	2.27E-05	1.57E-06
5738	470268.39	3820230.75	7.93E-05	3.33E-04	3.00E-05	6.61E-05	2.45E-04	2.15E-05	7.49E-06	4.29E-05	5.11E-06	6.81E-06	2.24E-05	1.55E-06
5739	470083.94	3820304.52	8.04E-05	3.38E-04	3.04E-05	6.70E-05	2.48E-04	2.18E-05	7.59E-06	4.35E-05	5.19E-06	6.90E-06	2.28E-05	1.57E-06
5740	470075.15	3820300.72	8.11E-05	3.41E-04	3.07E-05	6.76E-05	2.50E-04	2.20E-05	7.66E-06	4.39E-05	5.23E-06	6.97E-06	2.30E-05	1.58E-06
5741	470066.36	3820296.92	8.18E-05	3.44E-04	3.09E-05	6.82E-05	2.52E-04	2.22E-05	7.73E-06	4.42E-05	5.28E-06	7.02E-06	2.32E-05	1.60E-06
5742	470057.58	3820293.12	8.24E-05	3.46E-04	3.12E-05	6.87E-05	2.54E-04	2.24E-05	7.79E-06	4.46E-05	5.32E-06	7.08E-06	2.33E-05	1.61E-06
5743	470048.79	3820289.32	8.30E-05	3.49E-04	3.14E-05	6.91E-05	2.56E-04	2.25E-05	7.84E-06	4.49E-05	5.35E-06	7.13E-06	2.35E-05	1.62E-06
5744	470040	3820285.52	8.35E-05	3.51E-04	3.16E-05	6.96E-05	2.58E-04	2.27E-05	7.89E-06	4.51E-05	5.39E-06	7.17E-06	2.36E-05	1.63E-06
5745	470031.21	3820281.72	8.39E-05	3.52E-04	3.17E-05	6.99E-05	2.59E-04	2.28E-05	7.93E-06	4.54E-05	5.41E-06	7.21E-06	2.38E-05	1.64E-06
5746	470022.42	3820277.92	8.43E-05	3.54E-04	3.19E-05	7.02E-05	2.60E-04	2.29E-05	7.96E-06	4.56E-05	5.44E-06	7.24E-06	2.39E-05	1.64E-06
5747	470013.64	3820274.12	8.46E-05	3.55E-04	3.20E-05	7.04E-05	2.61E-04	2.30E-05	7.99E-06	4.57E-05	5.46E-06	7.26E-06	2.39E-05	1.65E-06
5748	470004.85	3820270.31	8.48E-05	3.56E-04	3.21E-05	7.07E-05	2.62E-04	2.30E-05	8.01E-06	4.59E-05	5.47E-06	7.28E-06	2.40E-05	1.66E-06
5749	469996.06	3820266.51	8.50E-05	3.57E-04	3.21E-05	7.08E-05	2.62E-04	2.31E-05	8.03E-06	4.59E-05	5.48E-06	7.30E-06	2.41E-05	1.66E-06
5750	469952.12	3820247.51	8.47E-05	3.56E-04	3.20E-05	7.05E-05	2.61E-04	2.30E-05	8.00E-06	4.58E-05	5.46E-06	7.27E-06	2.40E-05	1.65E-06
5751	469943.33	3820243.71	8.44E-05	3.54E-04	3.19E-05	7.03E-05	2.60E-04	2.29E-05	7.97E-06	4.56E-05	5.44E-06	7.25E-06	2.39E-05	1.65E-06
5752	469934.54	3820239.91	8.41E-05	3.53E-04	3.18E-05	7.00E-05	2.60E-04	2.28E-05	7.94E-06	4.55E-05	5.42E-06	7.22E-06	2.38E-05	1.64E-06
5753	469925.76	3820236.11	8.37E-05	3.52E-04	3.17E-05	6.97E-05	2.58E-04	2.27E-05	7.91E-06	4.53E-05	5.40E-06	7.19E-06	2.37E-05	1.63E-06
5754	469916.97	3820232.31	8.33E-05	3.50E-04	3.15E-05	6.94E-05	2.57E-04	2.26E-05	7.86E-06	4.50E-05	5.37E-06	7.15E-06	2.36E-05	1.63E-06
5755	469908.18	3820228.51	8.28E-05	3.48E-04	3.13E-05	6.90E-05	2.55E-04	2.25E-05	7.82E-06	4.48E-05	5.34E-06	7.11E-06	2.34E-05	1.62E-06
5756	469899.39	3820224.71	8.22E-05	3.45E-04	3.11E-05	6.85E-05	2.54E-04	2.23E-05	7.77E-06	4.45E-05	5.30E-06	7.06E-06	2.33E-05	1.60E-06
5757	469890.6	3820220.91	8.17E-05	3.43E-04	3.09E-05	6.80E-05	2.52E-04	2.22E-05	7.71E-06	4.42E-05	5.27E-06	7.01E-06	2.31E-05	1.59E-06
5758	469881.82	3820217.11	8.11E-05	3.40E-04	3.07E-05	6.75E-05	2.50E-04	2.20E-05	7.66E-06	4.38E-05	5.23E-06	6.96E-06	2.29E-05	1.58E-06
5759	469873.03	3820213.31	8.04E-05	3.38E-04	3.04E-05	6.70E-05	2.48E-04	2.18E-05	7.60E-06	4.35E-05	5.19E-06	6.90E-06	2.28E-05	1.57E-06
5760	469864.24	3820209.51	7.97E-05	3.35E-04	3.02E-05	6.64E-05	2.46E-04	2.16E-05	7.53E-06	4.31E-05	5.14E-06	6.85E-06	2.26E-05	1.56E-06
5761	469855.45	3820205.71	7.90E-05	3.32E-04	2.99E-05	6.58E-05	2.44E-04	2.15E-05	7.46E-06	4.27E-05	5.10E-06	6.78E-06	2.24E-05	1.54E-06
5762	469846.66	3820201.91	7.83E-05	3.29E-04	2.96E-05	6.52E-05	2.42E-04	2.13E-05	7.39E-06	4.23E-05	5.05E-06	6.72E-06	2.22E-05	1.53E-06
5763	469837.88	3820198.11	7.75E-05	3.26E-04	2.93E-05	6.46E-05	2.39E-04	2.10E-05	7.32E-06	4.19E-05	5.00E-06	6.66E-06	2.19E-05	1.51E-06

5764	469829.09	3820194.31	7.68E-05	3.22E-04	2.90E-05	6.39E-05	2.37E-04	2.08E-05	7.25E-06	4.15E-05	4.95E-06	6.59E-06	2.17E-05	1.50E-06
5765	469820.3	3820190.51	7.60E-05	3.19E-04	2.87E-05	6.33E-05	2.34E-04	2.06E-05	7.17E-06	4.11E-05	4.90E-06	6.52E-06	2.15E-05	1.48E-06
5766	469811.51	3820186.71	7.52E-05	3.16E-04	2.84E-05	6.26E-05	2.32E-04	2.04E-05	7.10E-06	4.06E-05	4.85E-06	6.45E-06	2.13E-05	1.47E-06
5767	469802.72	3820182.91	7.44E-05	3.12E-04	2.81E-05	6.19E-05	2.29E-04	2.02E-05	7.02E-06	4.02E-05	4.80E-06	6.38E-06	2.11E-05	1.45E-06
5768	469793.94	3820179.11	7.36E-05	3.09E-04	2.78E-05	6.13E-05	2.27E-04	2.00E-05	6.95E-06	3.98E-05	4.75E-06	6.32E-06	2.08E-05	1.44E-06
5769	469785.15	3820175.31	7.28E-05	3.06E-04	2.75E-05	6.06E-05	2.25E-04	1.98E-05	6.87E-06	3.93E-05	4.69E-06	6.25E-06	2.06E-05	1.42E-06
5770	469776.36	3820171.51	7.20E-05	3.02E-04	2.72E-05	5.99E-05	2.22E-04	1.95E-05	6.80E-06	3.89E-05	4.64E-06	6.18E-06	2.04E-05	1.40E-06
5771	469767.57	3820167.71	7.12E-05	2.99E-04	2.69E-05	5.93E-05	2.20E-04	1.93E-05	6.72E-06	3.85E-05	4.59E-06	6.11E-06	2.01E-05	1.39E-06
5772	469758.78	3820163.91	7.04E-05	2.96E-04	2.66E-05	5.86E-05	2.17E-04	1.91E-05	6.65E-06	3.80E-05	4.54E-06	6.04E-06	1.99E-05	1.37E-06
5773	469750	3820160.11	6.96E-05	2.92E-04	2.63E-05	5.80E-05	2.15E-04	1.89E-05	6.57E-06	3.76E-05	4.49E-06	5.97E-06	1.97E-05	1.36E-06
5774	469741.21	3820156.31	6.88E-05	2.89E-04	2.60E-05	5.73E-05	2.12E-04	1.87E-05	6.50E-06	3.72E-05	4.44E-06	5.91E-06	1.95E-05	1.34E-06
5775	469732.42	3820152.51	6.80E-05	2.86E-04	2.57E-05	5.67E-05	2.10E-04	1.85E-05	6.42E-06	3.68E-05	4.39E-06	5.84E-06	1.93E-05	1.33E-06
5776	469723.63	3820148.71	6.73E-05	2.83E-04	2.54E-05	5.60E-05	2.08E-04	1.83E-05	6.35E-06	3.64E-05	4.34E-06	5.78E-06	1.90E-05	1.31E-06
5777	469714.84	3820144.91	6.65E-05	2.79E-04	2.52E-05	5.54E-05	2.05E-04	1.81E-05	6.28E-06	3.60E-05	4.29E-06	5.71E-06	1.88E-05	1.30E-06
5778	469706.06	3820141.11	6.58E-05	2.76E-04	2.49E-05	5.48E-05	2.03E-04	1.79E-05	6.21E-06	3.55E-05	4.24E-06	5.65E-06	1.86E-05	1.28E-06
5779	469521.51	3820061.31	5.03E-05	2.11E-04	1.90E-05	4.19E-05	1.55E-04	1.36E-05	4.75E-06	2.72E-05	3.24E-06	4.32E-06	1.42E-05	9.81E-07
5780	469512.72	3820057.51	4.95E-05	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.67E-05	3.19E-06	4.25E-06	1.40E-05	9.65E-07
5781	469503.93	3820053.71	4.87E-05	2.04E-04	1.84E-05	4.05E-05	1.50E-04	1.32E-05	4.60E-06	2.63E-05	3.14E-06	4.18E-06	1.38E-05	9.50E-07
5782	469495.14	3820049.91	4.79E-05	2.01E-04	1.81E-05	3.99E-05	1.48E-04	1.30E-05	4.52E-06	2.59E-05	3.09E-06	4.11E-06	1.35E-05	9.34E-07
5783	469482.86	3820037.19	4.69E-05	1.97E-04	1.77E-05	3.90E-05	1.45E-04	1.27E-05	4.42E-06	2.53E-05	3.02E-06	4.02E-06	1.33E-05	9.14E-07
5784	469472.36	3820010.46	4.61E-05	1.94E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.96E-06	1.30E-05	9.00E-07
5785	469468.86	3820001.55	4.58E-05	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.32E-06	2.48E-05	2.95E-06	3.93E-06	1.30E-05	8.93E-07
5786	469465.36	3819992.63	4.55E-05	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.23E-05	4.29E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.87E-07
5787	469461.86	3819983.72	4.51E-05	1.89E-04	1.71E-05	3.76E-05	1.39E-04	1.22E-05	4.26E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.80E-07
5788	469458.36	3819974.81	4.47E-05	1.88E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.22E-06	2.42E-05	2.88E-06	3.84E-06	1.27E-05	8.72E-07
5789	469454.86	3819965.9	4.43E-05	1.86E-04	1.67E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.39E-05	2.86E-06	3.80E-06	1.25E-05	8.64E-07
5790	469398.86	3819823.31	3.43E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.32E-06	3.24E-06	1.86E-05	2.21E-06	2.95E-06	9.71E-06	6.70E-07
5791	469395.36	3819814.4	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.04E-04	9.11E-06	3.17E-06	1.81E-05	2.16E-06	2.88E-06	9.50E-06	6.55E-07
5792	469391.86	3819805.48	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.89E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.27E-06	6.39E-07
5793	469388.36	3819796.57	3.19E-05	1.34E-04	1.21E-05	2.66E-05	9.86E-05	8.67E-06	3.02E-06	1.73E-05	2.06E-06	2.74E-06	9.04E-06	6.23E-07
5794	469384.86	3819787.66	3.12E-05	1.31E-04	1.18E-05	2.59E-05	9.61E-05	8.46E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.82E-06	6.08E-07
5795	469381.36	3819778.75	3.04E-05	1.28E-04	1.15E-05	2.53E-05	9.37E-05	8.24E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.59E-06	5.92E-07
5796	469377.86	3819769.84	2.96E-05	1.24E-04	1.12E-05	2.46E-05	9.12E-05	8.02E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.37E-06	5.77E-07
5797	469374.36	3819760.92	2.88E-05	1.21E-04	1.09E-05	2.39E-05	8.87E-05	7.81E-06	2.72E-06	1.55E-05	1.85E-06	2.47E-06	8.14E-06	5.61E-07
5798	469370.86	3819752.01	2.80E-05	1.17E-04	1.06E-05	2.33E-05	8.63E-05	7.59E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.91E-06	5.46E-07
5799	469367.36	3819743.1	2.72E-05	1.14E-04	1.03E-05	2.26E-05	8.38E-05	7.38E-06	2.57E-06	1.47E-05	1.75E-06	2.33E-06	7.69E-06	5.30E-07
5800	469363.86	3819734.19	2.64E-05	1.11E-04	9.98E-06	2.20E-05	8.14E-05	7.16E-06	2.49E-06	1.43E-05	1.70E-06	2.26E-06	7.47E-06	5.15E-07
5801	469360.36	3819725.28	2.56E-05	1.08E-04	9.68E-06	2.13E-05	7.90E-05	6.95E-06	2.42E-06	1.38E-05	1.65E-06	2.20E-06	7.25E-06	5.00E-07
5802	469356.86	3819716.36	2.48E-05	1.04E-04	9.39E-06	2.07E-05	7.66E-05	6.74E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.03E-06	4.84E-07
5803	469353.37	3819707.45	2.41E-05	1.01E-04	9.10E-06	2.00E-05	7.43E-05	6.53E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.81E-06	4.70E-07
5804	469349.87	3819698.54	2.33E-05	9.78E-05	8.81E-06	1.94E-05	7.19E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.55E-07
5805	469346.37	3819689.63	2.25E-05	9.46E-05	8.52E-06	1.88E-05	6.95E-05	6.12E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.38E-06	4.40E-07
5806	469342.87	3819680.72	2.18E-05	9.15E-05	8.24E-06	1.81E-05	6.72E-05	5.91E-06	2.06E-06	1.18E-05	1.40E-06	1.87E-06	6.16E-06	4.25E-07
5807	469339.37	3819671.81	2.11E-05	8.84E-05	7.96E-06	1.75E-05	6.50E-05	5.71E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.96E-06	4.11E-07
5808	469335.87	3819662.89	2.04E-05	8.55E-05	7.70E-06	1.70E-05	6.28E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.76E-06	3.97E-07
5809	469332.37	3819653.98	1.97E-05	8.26E-05	7.44E-06	1.64E-05	6.07E-05	5.34E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.57E-06	3.84E-07
5810	469328.87	3819645.07	1.90E-05	7.99E-05	7.19E-06	1.58E-05	5.87E-05	5.16E-06	1.80E-06	1.03E-05	1.23E-06	1.63E-06	5.38E-06	3.71E-07
5811	469325.37	3819636.16	1.84E-05	7.72E-05	6.95E-06	1.53E-05	5.67E-05	4.99E-06	1.74E-06	9.93E-06	1.19E-06	1.58E-06	5.20E-06	3.59E-07
5812	469321.87	3819627.25	1.78E-05	7.45E-05	6.71E-06	1.48E-05	5.48E-05	4.82E-06	1.68E-06	9.60E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
5813	469318.37	3819618.33	1.72E-05	7.20E-05	6.49E-06	1.43E-05	5.29E-05	4.66E-06	1.62E-06	9.27E-06	1.11E-06	1.47E-06	4.85E-06	3.35E-07
5814	469314.87	3819609.42	1.65E-05	6.95E-05	6.26E-06	1.38E-05	5.11E-05	4.49E-06	1.56E-06	8.95E-06	1.07E-06	1.42E-06	4.68E-06	3.23E-07
5815	469311.37	3819600.51	1.60E-05	6.71E-05	6.04E-06	1.33E-05	4.93E-05	4.33E-06	1.51E-06	8.63E-06	1.03E-06	1.37E-06	4.52E-06	3.12E-07
5816	469307.87	3819591.6	1.54E-05	6.47E-05	5.83E-06	1.28E-05	4.75E-05	4.18E-06	1.45E-06	8.33E-06	9.94E-07	1.32E-06	4.36E-06	3.01E-07
5817	469304.37	3819582.69	1.49E-05	6.24E-05	5.62E-06	1.24E-05	4.59E-05	4.04E-06	1.40E-06	8.04E-06	9.59E-07	1.28E-06	4.21E-06	2.90E-07
5818	469300.87	3819573.77	1.44E-05	6.03E-05	5.43E-06	1.20E-05	4.43E-05	3.90E-06	1.36E-06	7.77E-06	9.27E-07	1.23E-06	4.07E-06	2.80E-07
5819	469297.37	3819564.86	1.39E-05	5.83E-05	5.25E-06	1.16E-05	4.28E-05	3.77E-06	1.31E-06	7.51E-06	8.95E-07	1.19E-06	3.93E-06	2.71E-07
5820	469293.87	3819555.95	1.34E-05	5.64E-05	5.08E-06	1.12E-05	4.14E-05	3.64E-06	1.27E-06	7.26E-06	8.66E-07	1.15E-06	3.80E-06	2.62E-07
5821	469290.37	3819547.04	1.30E-05	5.45E-05	4.91E-06	1.08E-05	4.01E-05	3.52E-06	1.23E-06	7.02E-06	8.37E-07	1.11E-06	3.67E-06	2.53E-07
5822	469286.87	3819538.13	1.26E-05	5.27E-05	4.75E-06	1.05E-05	3.87E-05	3.41E-06	1.19E-06	6.79E-06	8.10E-07	1.08E-06	3.55E-06	2.45E-07
5823	469283.37	3819529.21	1.22E-05	5.10E-05	4.60E-06	1.01E-05	3.75E-05	3.30E-06	1.15E-06	6.57E-06	7.84E-07	1.04E-06	3.44E-06	2.37E-07
5824	469279.87	3819520.3	1.18E-05	4.94E-05	4.45E-06	9.80E-06	3.63E-05	3.19E-06	1.11E-06	6.36E-06	7.59E-07	1.01E-06	3.33E-06	2.30E-07
5825	469276.37	3819511.39	1.14E-05	4.79E-05	4.31E-06	9.50E-06	3.52E-05	3.09E-06	1.08E-06	6.16E-06	7.35E-07	9.79E-07	3.23E-06	2.22E-07
5826	469272.87	3819502.48	1.11E-05	4.64E-05	4.18E-06	9.20E-06	3.41E-05	3.00E-06	1.04E-06	5.97E-06	7.13E-07	9.49E-07	3.13E-06	2.16E-07
5827	469269.37	3819493.57	1.07E-05	4.50E-05	4.05E-06	8.92E-06	3.31E-05	2.91E-06	1.01E-06	5.79E-06	6.91E-07	9.20E-07	3.03E-06	2.09E-07
5828	469265.87	3819484.66	1.04E-05	4.36E-05	3.93E-06	8.65E-06	3.20E-05	2.82E-06	9.80E-07	5.61E-06	6.70E-07	8.91E-07	2.94E-06	2.03E-07
5829	469262.37	3819475.74	1.01E-05	4.23E-05	3.81E-06	8.38E-06	3.11E-05	2.73E-06	9.50E-07	5.44E-06	6.49E-07	8.64E-07	2.85E-06	1.96E-07
5830	469258.87	3819466.83	9.77E-06	4.10E-05	3.69E-06	8.13E-06	3.01E-05	2.65E-06	9.22E-07	5.28E-06	6.30E-07	8.38E-07	2.76E-06	1.91E-07
5831	469255.37	3819457.92	9.49E-06	3.99E-05	3.59E-06	7.91E-06	2.93E-05	2.58E-06	8.96E-07	5.13E-06	6.12E-07	8.15E-07	2.69E-06	1.85E-07
5832	469251.87	3819449.01	9.23E-06	3.87E-05	3.49E-06	7.69E-06	2.85E-05	2.50E-06	8.71E-07	4.99E-06	5.95E-07	7.92E-07	2.61E-06	1.80E-07
5833	469248.37	3819440.1	8.98E-06	3.77E-05	3.40E-06	7.48E-06	2.77E-05	2.44E-06	8.48E-07	4.86E-06	5.79E-07	7.71E-07	2.54E-06	1.75E-07
5834	470092.73	3820308.32	7.96E-05	3.34E-04	3.01E-05	6.63E-05	2.46E-04	2.16E-05	7.52E-06	4.30E-05	5.13E-06	6.83E-06	2.25E-05	1.55E-06
5835	470102.43	3820308.45	7.93E-05	3.33E-04	3.00E-05	6.60E-05	2.45E-04	2.15E-05	7.49E-06	4.29E-05	5.11E-06	6.81E-06	2.24E-05	1.55E-06
5836	470112.12	3820308.59	7.89E-05	3.31E-04	2.98E-05	6.57E-05	2.43E-04	2.14E-05	7.45E-06	4.27E-05	5.09E-06	6.77E-06	2.23E-05	1.54E-06

5837	470121.82	3820308.72	7.85E-05	3.30E-04	2.97E-05	6.54E-05	2.42E-04	2.13E-05	7.41E-06	4.24E-05	5.06E-06	6.74E-06	2.22E-05	1.53E-06
5838	470131.52	3820308.86	7.80E-05	3.28E-04	2.95E-05	6.50E-05	2.41E-04	2.12E-05	7.37E-06	4.22E-05	5.03E-06	6.70E-06	2.21E-05	1.52E-06
5839	470141.21	3820308.99	7.75E-05	3.25E-04	2.93E-05	6.45E-05	2.39E-04	2.10E-05	7.32E-06	4.19E-05	5.00E-06	6.65E-06	2.19E-05	1.51E-06
5840	470150.91	3820309.13	7.69E-05	3.23E-04	2.91E-05	6.40E-05	2.37E-04	2.09E-05	7.26E-06	4.16E-05	4.96E-06	6.60E-06	2.18E-05	1.50E-06
5841	470160.61	3820309.26	7.62E-05	3.20E-04	2.88E-05	6.35E-05	2.35E-04	2.07E-05	7.20E-06	4.12E-05	4.92E-06	6.54E-06	2.16E-05	1.49E-06
5842	470170.31	3820309.4	7.56E-05	3.17E-04	2.86E-05	6.29E-05	2.33E-04	2.05E-05	7.14E-06	4.08E-05	4.87E-06	6.49E-06	2.14E-05	1.47E-06
5843	470180	3820309.53	7.48E-05	3.14E-04	2.83E-05	6.23E-05	2.31E-04	2.03E-05	7.07E-06	4.04E-05	4.83E-06	6.42E-06	2.12E-05	1.46E-06
5844	470189.7	3820309.67	7.41E-05	3.11E-04	2.80E-05	6.17E-05	2.29E-04	2.01E-05	6.99E-06	4.00E-05	4.78E-06	6.36E-06	2.10E-05	1.45E-06
5845	470199.4	3820309.8	7.33E-05	3.08E-04	2.77E-05	6.10E-05	2.26E-04	1.99E-05	6.92E-06	3.96E-05	4.73E-06	6.29E-06	2.07E-05	1.43E-06
5846	470209.1	3820309.94	7.25E-05	3.04E-04	2.74E-05	6.04E-05	2.24E-04	1.97E-05	6.85E-06	3.92E-05	4.68E-06	6.22E-06	2.05E-05	1.41E-06
5847	470218.79	3820310.07	7.17E-05	3.01E-04	2.71E-05	5.97E-05	2.21E-04	1.95E-05	6.77E-06	3.88E-05	4.63E-06	6.16E-06	2.03E-05	1.40E-06
5848	470228.49	3820310.21	7.09E-05	2.98E-04	2.68E-05	5.91E-05	2.19E-04	1.93E-05	6.70E-06	3.83E-05	4.58E-06	6.09E-06	2.01E-05	1.38E-06
5849	470238.19	3820310.34	7.01E-05	2.95E-04	2.65E-05	5.84E-05	2.16E-04	1.90E-05	6.62E-06	3.79E-05	4.52E-06	6.02E-06	1.99E-05	1.37E-06
5850	470247.88	3820310.48	6.94E-05	2.91E-04	2.62E-05	5.78E-05	2.14E-04	1.88E-05	6.55E-06	3.75E-05	4.47E-06	5.95E-06	1.96E-05	1.35E-06
5851	470257.58	3820310.61	6.86E-05	2.88E-04	2.59E-05	5.71E-05	2.12E-04	1.86E-05	6.47E-06	3.71E-05	4.42E-06	5.89E-06	1.94E-05	1.34E-06
5852	470267.28	3820310.75	6.78E-05	2.85E-04	2.56E-05	5.65E-05	2.09E-04	1.84E-05	6.40E-06	3.67E-05	4.37E-06	5.82E-06	1.92E-05	1.32E-06
5853	470082.78	3820384.49	6.94E-05	2.91E-04	2.62E-05	5.78E-05	2.14E-04	1.88E-05	6.55E-06	3.75E-05	4.47E-06	5.95E-06	1.96E-05	1.35E-06
5854	470073.94	3820380.67	7.00E-05	2.94E-04	2.65E-05	5.83E-05	2.16E-04	1.90E-05	6.61E-06	3.79E-05	4.52E-06	6.01E-06	1.98E-05	1.37E-06
5855	470065.1	3820376.84	7.07E-05	2.97E-04	2.67E-05	5.89E-05	2.18E-04	1.92E-05	6.67E-06	3.82E-05	4.56E-06	6.07E-06	2.00E-05	1.38E-06
5856	470056.27	3820373.02	7.12E-05	2.99E-04	2.69E-05	5.93E-05	2.20E-04	1.93E-05	6.73E-06	3.85E-05	4.60E-06	6.12E-06	2.02E-05	1.39E-06
5857	470047.43	3820369.2	7.18E-05	3.01E-04	2.72E-05	5.98E-05	2.22E-04	1.95E-05	6.78E-06	3.88E-05	4.63E-06	6.16E-06	2.03E-05	1.40E-06
5858	470038.59	3820365.38	7.23E-05	3.04E-04	2.73E-05	6.02E-05	2.23E-04	1.96E-05	6.83E-06	3.91E-05	4.66E-06	6.20E-06	2.05E-05	1.41E-06
5859	470029.76	3820361.56	7.27E-05	3.05E-04	2.75E-05	6.06E-05	2.24E-04	1.97E-05	6.87E-06	3.93E-05	4.69E-06	6.24E-06	2.06E-05	1.42E-06
5860	470020.92	3820357.74	7.31E-05	3.07E-04	2.76E-05	6.09E-05	2.26E-04	1.98E-05	6.90E-06	3.95E-05	4.72E-06	6.28E-06	2.07E-05	1.43E-06
5861	470012.08	3820353.92	7.34E-05	3.08E-04	2.78E-05	6.12E-05	2.27E-04	1.99E-05	6.93E-06	3.97E-05	4.74E-06	6.30E-06	2.08E-05	1.43E-06
5862	470003.24	3820350.1	7.37E-05	3.10E-04	2.79E-05	6.14E-05	2.27E-04	2.00E-05	6.96E-06	3.98E-05	4.75E-06	6.33E-06	2.09E-05	1.44E-06
5863	469994.41	3820346.27	7.39E-05	3.10E-04	2.80E-05	6.16E-05	2.28E-04	2.01E-05	6.98E-06	4.00E-05	4.77E-06	6.35E-06	2.09E-05	1.44E-06
5864	469985.57	3820342.45	7.41E-05	3.11E-04	2.80E-05	6.17E-05	2.29E-04	2.01E-05	7.00E-06	4.01E-05	4.78E-06	6.36E-06	2.10E-05	1.45E-06
5865	469976.73	3820338.63	7.42E-05	3.12E-04	2.81E-05	6.18E-05	2.29E-04	2.01E-05	7.01E-06	4.01E-05	4.79E-06	6.37E-06	2.10E-05	1.45E-06
5866	469967.9	3820334.81	7.42E-05	3.12E-04	2.81E-05	6.18E-05	2.29E-04	2.02E-05	7.01E-06	4.01E-05	4.79E-06	6.37E-06	2.10E-05	1.45E-06
5867	469959.06	3820330.99	7.42E-05	3.12E-04	2.81E-05	6.18E-05	2.29E-04	2.02E-05	7.01E-06	4.01E-05	4.79E-06	6.37E-06	2.10E-05	1.45E-06
5868	469950.22	3820327.17	7.42E-05	3.11E-04	2.80E-05	6.18E-05	2.29E-04	2.01E-05	7.00E-06	4.01E-05	4.78E-06	6.37E-06	2.10E-05	1.45E-06
5869	469941.39	3820323.35	7.40E-05	3.11E-04	2.80E-05	6.17E-05	2.28E-04	2.01E-05	6.99E-06	4.00E-05	4.78E-06	6.36E-06	2.10E-05	1.44E-06
5870	469932.55	3820319.52	7.39E-05	3.10E-04	2.79E-05	6.15E-05	2.28E-04	2.01E-05	6.98E-06	3.99E-05	4.76E-06	6.34E-06	2.09E-05	1.44E-06
5871	469923.71	3820315.7	7.36E-05	3.09E-04	2.79E-05	6.13E-05	2.27E-04	2.00E-05	6.95E-06	3.98E-05	4.75E-06	6.32E-06	2.08E-05	1.44E-06
5872	469914.87	3820311.88	7.34E-05	3.08E-04	2.77E-05	6.11E-05	2.26E-04	1.99E-05	6.93E-06	3.97E-05	4.73E-06	6.30E-06	2.08E-05	1.43E-06
5873	469906.04	3820308.06	7.30E-05	3.07E-04	2.76E-05	6.08E-05	2.25E-04	1.98E-05	6.90E-06	3.95E-05	4.71E-06	6.27E-06	2.07E-05	1.43E-06
5874	469853.01	3820285.13	7.03E-05	2.95E-04	2.66E-05	5.85E-05	2.17E-04	1.91E-05	6.64E-06	3.80E-05	4.53E-06	6.03E-06	1.99E-05	1.37E-06
5875	469844.18	3820281.31	6.97E-05	2.93E-04	2.64E-05	5.81E-05	2.15E-04	1.89E-05	6.58E-06	3.77E-05	4.50E-06	5.98E-06	1.97E-05	1.36E-06
5876	469835.34	3820277.49	6.91E-05	2.90E-04	2.61E-05	5.76E-05	2.13E-04	1.88E-05	6.53E-06	3.74E-05	4.46E-06	5.93E-06	1.96E-05	1.35E-06
5877	469826.5	3820273.67	6.85E-05	2.88E-04	2.59E-05	5.71E-05	2.11E-04	1.86E-05	6.47E-06	3.70E-05	4.42E-06	5.88E-06	1.94E-05	1.34E-06
5878	469817.67	3820269.85	6.79E-05	2.85E-04	2.57E-05	5.66E-05	2.10E-04	1.84E-05	6.41E-06	3.67E-05	4.38E-06	5.83E-06	1.92E-05	1.32E-06
5879	469808.83	3820266.02	6.73E-05	2.82E-04	2.54E-05	5.60E-05	2.08E-04	1.83E-05	6.35E-06	3.64E-05	4.34E-06	5.77E-06	1.90E-05	1.31E-06
5880	469799.99	3820262.2	6.66E-05	2.80E-04	2.52E-05	5.55E-05	2.06E-04	1.81E-05	6.29E-06	3.60E-05	4.30E-06	5.72E-06	1.89E-05	1.30E-06
5881	469791.16	3820258.38	6.59E-05	2.77E-04	2.49E-05	5.49E-05	2.04E-04	1.79E-05	6.23E-06	3.57E-05	4.25E-06	5.66E-06	1.87E-05	1.29E-06
5882	469782.32	3820254.56	6.53E-05	2.74E-04	2.47E-05	5.44E-05	2.01E-04	1.77E-05	6.16E-06	3.53E-05	4.21E-06	5.60E-06	1.85E-05	1.27E-06
5883	469773.48	3820250.74	6.46E-05	2.71E-04	2.44E-05	5.38E-05	1.99E-04	1.75E-05	6.10E-06	3.49E-05	4.17E-06	5.55E-06	1.83E-05	1.26E-06
5884	469764.64	3820246.92	6.39E-05	2.69E-04	2.42E-05	5.33E-05	1.97E-04	1.74E-05	6.04E-06	3.46E-05	4.12E-06	5.49E-06	1.81E-05	1.25E-06
5885	469755.81	3820243.1	6.33E-05	2.66E-04	2.39E-05	5.27E-05	1.95E-04	1.72E-05	5.97E-06	3.42E-05	4.08E-06	5.43E-06	1.79E-05	1.23E-06
5886	469746.97	3820239.28	6.26E-05	2.63E-04	2.37E-05	5.21E-05	1.93E-04	1.70E-05	5.91E-06	3.38E-05	4.04E-06	5.37E-06	1.77E-05	1.22E-06
5887	469738.13	3820235.45	6.20E-05	2.60E-04	2.34E-05	5.16E-05	1.91E-04	1.68E-05	5.85E-06	3.35E-05	4.00E-06	5.32E-06	1.75E-05	1.21E-06
5888	469729.3	3820231.63	6.13E-05	2.57E-04	2.32E-05	5.11E-05	1.89E-04	1.66E-05	5.79E-06	3.31E-05	3.95E-06	5.26E-06	1.74E-05	1.20E-06
5889	469720.46	3820227.81	6.07E-05	2.55E-04	2.29E-05	5.05E-05	1.87E-04	1.65E-05	5.73E-06	3.28E-05	3.91E-06	5.21E-06	1.72E-05	1.18E-06
5890	469711.62	3820223.99	6.00E-05	2.52E-04	2.27E-05	5.00E-05	1.85E-04	1.63E-05	5.67E-06	3.24E-05	3.87E-06	5.15E-06	1.70E-05	1.17E-06
5891	469702.78	3820220.17	5.94E-05	2.49E-04	2.25E-05	4.95E-05	1.83E-04	1.61E-05	5.61E-06	3.21E-05	3.83E-06	5.10E-06	1.68E-05	1.16E-06
5892	469667.44	3820204.88	5.69E-05	2.39E-04	2.15E-05	4.74E-05	1.76E-04	1.55E-05	5.38E-06	3.08E-05	3.67E-06	4.89E-06	1.61E-05	1.11E-06
5893	469658.6	3820201.06	5.63E-05	2.37E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.32E-06	3.05E-05	3.63E-06	4.84E-06	1.59E-05	1.10E-06
5894	469649.76	3820197.24	5.58E-05	2.34E-04	2.11E-05	4.64E-05	1.72E-04	1.51E-05	5.27E-06	3.01E-05	3.60E-06	4.79E-06	1.58E-05	1.09E-06
5895	469640.93	3820193.42	5.52E-05	2.32E-04	2.09E-05	4.60E-05	1.70E-04	1.50E-05	5.21E-06	2.98E-05	3.56E-06	4.74E-06	1.56E-05	1.08E-06
5896	469632.09	3820189.6	5.46E-05	2.29E-04	2.06E-05	4.55E-05	1.68E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
5897	469623.25	3820185.78	5.40E-05	2.27E-04	2.04E-05	4.50E-05	1.67E-04	1.47E-05	5.10E-06	2.92E-05	3.48E-06	4.64E-06	1.53E-05	1.05E-06
5898	469614.41	3820181.95	5.35E-05	2.25E-04	2.02E-05	4.45E-05	1.65E-04	1.45E-05	5.05E-06	2.89E-05	3.45E-06	4.59E-06	1.51E-05	1.04E-06
5899	469605.58	3820178.13	5.29E-05	2.22E-04	2.00E-05	4.41E-05	1.63E-04	1.44E-05	5.00E-06	2.86E-05	3.41E-06	4.54E-06	1.50E-05	1.03E-06
5900	469517.21	3820139.92	4.72E-05	1.98E-04	1.78E-05	3.93E-05	1.46E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.05E-06	1.34E-05	9.20E-07
5901	469508.37	3820136.1	4.66E-05	1.96E-04	1.76E-05	3.88E-05	1.44E-04	1.26E-05	4.40E-06	2.52E-05	3.00E-06	4.00E-06	1.32E-05	9.09E-07
5902	469499.53	3820132.28	4.60E-05	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.34E-06	2.48E-05	2.96E-06	3.95E-06	1.30E-05	8.97E-07
5903	469490.7	3820128.46	4.53E-05	1.90E-04	1.72E-05	3.78E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.93E-06	3.89E-06	1.28E-05	8.85E-07
5904	469481.86	3820124.63	4.47E-05	1.88E-04	1.69E-05	3.73E-05	1.38E-04	1.21E-05	4.22E-06	2.42E-05	2.89E-06	3.84E-06	1.27E-05	8.73E-07
5905	469473.02	3820120.81	4.41E-05	1.85E-04	1.67E-05	3.67E-05	1.36E-04	1.20E-05	4.17E-06	2.38E-05	2.84E-06	3.79E-06	1.25E-05	8.61E-07
5906	469464.18	3820116.99	4.35E-05	1.83E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.11E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.48E-07
5907	469455.35	3820113.17	4.28E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.76E-06	3.68E-06	1.21E-05	8.36E-07
5908	469446.51	3820109.35	4.22E-05	1.77E-04	1.60E-05	3.51E-05	1.30E-04	1.15E-05	3.98E-06	2.28E-05	2.72E-06	3.62E-06	1.19E-05	8.23E-07
5909	469437.67	3820105.53	4.15E-05	1.74E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.92E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.11E-07

5910	469425.32	3820092.74	4.07E-05	1.71E-04	1.54E-05	3.39E-05	1.26E-04	1.11E-05	3.85E-06	2.20E-05	2.63E-06	3.50E-06	1.15E-05	7.95E-07
5911	469421.8	3820083.78	4.05E-05	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.91E-07
5912	469418.28	3820074.82	4.03E-05	1.69E-04	1.53E-05	3.36E-05	1.24E-04	1.09E-05	3.81E-06	2.18E-05	2.60E-06	3.46E-06	1.14E-05	7.87E-07
5913	469414.76	3820065.86	4.01E-05	1.68E-04	1.52E-05	3.34E-05	1.24E-04	1.09E-05	3.79E-06	2.17E-05	2.59E-06	3.44E-06	1.14E-05	7.83E-07
5914	469411.24	3820056.9	3.99E-05	1.67E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.78E-07
5915	469407.72	3820047.94	3.96E-05	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.07E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.72E-07
5916	469404.2	3820038.97	3.93E-05	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.67E-07
5917	469319.74	3819823.89	2.69E-05	1.13E-04	1.02E-05	2.24E-05	8.29E-05	7.29E-06	2.54E-06	1.45E-05	1.73E-06	2.31E-06	7.61E-06	5.24E-07
5918	469316.22	3819814.93	2.62E-05	1.10E-04	9.91E-06	2.18E-05	8.09E-05	7.11E-06	2.47E-06	1.42E-05	1.69E-06	2.25E-06	7.42E-06	5.11E-07
5919	469312.7	3819805.97	2.55E-05	1.07E-04	9.66E-06	2.13E-05	7.88E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.23E-06	4.98E-07
5920	469309.18	3819797.01	2.49E-05	1.04E-04	9.41E-06	2.07E-05	7.68E-05	6.75E-06	2.35E-06	1.34E-05	1.60E-06	2.14E-06	7.04E-06	4.85E-07
5921	469305.66	3819788.05	2.42E-05	1.02E-04	9.16E-06	2.02E-05	7.47E-05	6.58E-06	2.29E-06	1.31E-05	1.56E-06	2.08E-06	6.86E-06	4.73E-07
5922	469302.14	3819779.09	2.36E-05	9.90E-05	8.91E-06	1.96E-05	7.27E-05	6.40E-06	2.23E-06	1.27E-05	1.52E-06	2.02E-06	6.67E-06	4.60E-07
5923	469298.62	3819770.12	2.29E-05	9.63E-05	8.67E-06	1.91E-05	7.07E-05	6.22E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.49E-06	4.47E-07
5924	469295.1	3819761.16	2.23E-05	9.36E-05	8.43E-06	1.86E-05	6.88E-05	6.05E-06	2.10E-06	1.20E-05	1.44E-06	1.91E-06	6.31E-06	4.35E-07
5925	469291.58	3819752.2	2.17E-05	9.09E-05	8.19E-06	1.80E-05	6.68E-05	5.88E-06	2.04E-06	1.17E-05	1.40E-06	1.86E-06	6.13E-06	4.22E-07
5926	469288.06	3819743.24	2.10E-05	8.83E-05	7.95E-06	1.75E-05	6.49E-05	5.71E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.95E-06	4.10E-07
5927	469284.54	3819734.28	2.04E-05	8.57E-05	7.72E-06	1.70E-05	6.30E-05	5.54E-06	1.93E-06	1.10E-05	1.32E-06	1.75E-06	5.78E-06	3.98E-07
5928	469281.03	3819725.32	1.98E-05	8.31E-05	7.48E-06	1.65E-05	6.10E-05	5.37E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.60E-06	3.86E-07
5929	469277.51	3819716.35	1.92E-05	8.05E-05	7.25E-06	1.60E-05	5.91E-05	5.20E-06	1.81E-06	1.04E-05	1.24E-06	1.64E-06	5.42E-06	3.74E-07
5930	469273.99	3819707.39	1.86E-05	7.79E-05	7.02E-06	1.55E-05	5.72E-05	5.04E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.25E-06	3.62E-07
5931	469270.47	3819698.43	1.80E-05	7.54E-05	6.79E-06	1.50E-05	5.54E-05	4.88E-06	1.70E-06	9.71E-06	1.16E-06	1.54E-06	5.08E-06	3.51E-07
5932	469266.95	3819689.47	1.74E-05	7.31E-05	6.58E-06	1.45E-05	5.37E-05	4.72E-06	1.64E-06	9.40E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
5933	469263.43	3819680.51	1.68E-05	7.07E-05	6.37E-06	1.40E-05	5.20E-05	4.57E-06	1.59E-06	9.11E-06	1.09E-06	1.45E-06	4.77E-06	3.29E-07
5934	469259.91	3819671.55	1.63E-05	6.85E-05	6.17E-06	1.36E-05	5.03E-05	4.43E-06	1.54E-06	8.82E-06	1.05E-06	1.40E-06	4.62E-06	3.18E-07
5935	469256.39	3819662.59	1.58E-05	6.63E-05	5.97E-06	1.31E-05	4.87E-05	4.28E-06	1.49E-06	8.53E-06	1.02E-06	1.35E-06	4.47E-06	3.08E-07
5936	469252.87	3819653.62	1.53E-05	6.41E-05	5.78E-06	1.27E-05	4.71E-05	4.15E-06	1.44E-06	8.26E-06	9.85E-07	1.31E-06	4.32E-06	2.98E-07
5937	469249.35	3819644.66	1.48E-05	6.21E-05	5.59E-06	1.23E-05	4.56E-05	4.01E-06	1.40E-06	7.99E-06	9.54E-07	1.27E-06	4.18E-06	2.88E-07
5938	469245.83	3819635.7	1.43E-05	6.01E-05	5.41E-06	1.19E-05	4.41E-05	3.88E-06	1.35E-06	7.73E-06	9.22E-07	1.23E-06	4.05E-06	2.79E-07
5939	469242.31	3819626.74	1.38E-05	5.81E-05	5.23E-06	1.15E-05	4.27E-05	3.76E-06	1.31E-06	7.48E-06	8.93E-07	1.19E-06	3.92E-06	2.70E-07
5940	469238.79	3819617.78	1.34E-05	5.62E-05	5.07E-06	1.12E-05	4.13E-05	3.64E-06	1.26E-06	7.24E-06	8.64E-07	1.15E-06	3.79E-06	2.61E-07
5941	469235.27	3819608.82	1.30E-05	5.44E-05	4.90E-06	1.08E-05	4.00E-05	3.52E-06	1.22E-06	7.00E-06	8.35E-07	1.11E-06	3.67E-06	2.53E-07
5942	469231.76	3819599.85	1.25E-05	5.26E-05	4.74E-06	1.04E-05	3.86E-05	3.40E-06	1.18E-06	6.77E-06	8.08E-07	1.07E-06	3.54E-06	2.44E-07
5943	469228.24	3819590.89	1.21E-05	5.08E-05	4.58E-06	1.01E-05	3.74E-05	3.29E-06	1.14E-06	6.55E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
5944	469224.72	3819581.93	1.17E-05	4.92E-05	4.43E-06	9.76E-06	3.62E-05	3.18E-06	1.11E-06	6.34E-06	7.56E-07	1.01E-06	3.32E-06	2.29E-07
5945	469221.2	3819572.97	1.13E-05	4.77E-05	4.29E-06	9.45E-06	3.50E-05	3.08E-06	1.07E-06	6.13E-06	7.32E-07	9.74E-07	3.21E-06	2.21E-07
5946	469217.68	3819564.01	1.10E-05	4.62E-05	4.16E-06	9.16E-06	3.39E-05	2.99E-06	1.04E-06	5.94E-06	7.09E-07	9.44E-07	3.11E-06	2.15E-07
5947	469214.16	3819555.05	1.07E-05	4.48E-05	4.03E-06	8.88E-06	3.29E-05	2.89E-06	1.01E-06	5.76E-06	6.88E-07	9.15E-07	3.02E-06	2.08E-07
5948	469210.64	3819546.08	1.03E-05	4.34E-05	3.91E-06	8.61E-06	3.19E-05	2.81E-06	9.76E-07	5.59E-06	6.67E-07	8.87E-07	2.93E-06	2.02E-07
5949	469207.12	3819537.12	1.00E-05	4.21E-05	3.79E-06	8.35E-06	3.09E-05	2.72E-06	9.47E-07	5.42E-06	6.47E-07	8.61E-07	2.84E-06	1.96E-07
5950	469203.6	3819528.16	9.73E-06	4.09E-05	3.68E-06	8.11E-06	3.00E-05	2.64E-06	9.19E-07	5.26E-06	6.28E-07	8.35E-07	2.75E-06	1.90E-07
5951	469200.08	3819519.2	9.45E-06	3.97E-05	3.57E-06	7.87E-06	2.92E-05	2.57E-06	8.93E-07	5.11E-06	6.10E-07	8.11E-07	2.68E-06	1.84E-07
5952	469196.56	3819510.24	9.18E-06	3.86E-05	3.47E-06	7.65E-06	2.83E-05	2.49E-06	8.67E-07	4.96E-06	5.92E-07	7.88E-07	2.60E-06	1.79E-07
5953	469193.04	3819501.28	8.93E-06	3.75E-05	3.38E-06	7.44E-06	2.76E-05	2.42E-06	8.43E-07	4.83E-06	5.76E-07	7.66E-07	2.53E-06	1.74E-07
5954	469189.52	3819492.31	8.68E-06	3.64E-05	3.28E-06	7.23E-06	2.68E-05	2.36E-06	8.20E-07	4.69E-06	5.60E-07	7.45E-07	2.46E-06	1.69E-07
5955	469186	3819483.35	8.43E-06	3.54E-05	3.19E-06	7.02E-06	2.60E-05	2.29E-06	7.96E-07	4.56E-06	5.44E-07	7.24E-07	2.39E-06	1.65E-07
5956	469182.48	3819474.39	8.20E-06	3.44E-05	3.10E-06	6.83E-06	2.53E-05	2.23E-06	7.75E-07	4.43E-06	5.29E-07	7.04E-07	2.32E-06	1.60E-07
5957	469178.97	3819465.43	7.98E-06	3.35E-05	3.02E-06	6.65E-06	2.46E-05	2.17E-06	7.54E-07	4.31E-06	5.15E-07	6.85E-07	2.26E-06	1.56E-07
5958	469175.45	3819456.47	7.78E-06	3.27E-05	2.94E-06	6.48E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.68E-07	2.20E-06	1.52E-07
5959	469171.93	3819447.51	7.59E-06	3.19E-05	2.87E-06	6.32E-06	2.34E-05	2.06E-06	7.16E-07	4.10E-06	4.89E-07	6.51E-07	2.15E-06	1.48E-07
5960	469168.41	3819438.54	7.40E-06	3.11E-05	2.80E-06	6.17E-06	2.28E-05	2.01E-06	6.99E-07	4.00E-06	4.78E-07	6.36E-07	2.10E-06	1.44E-07
5961	470091.62	3820388.31	6.87E-05	2.88E-04	2.60E-05	5.72E-05	2.12E-04	1.86E-05	6.48E-06	3.71E-05	4.43E-06	5.89E-06	1.94E-05	1.34E-06
5962	470101.31	3820388.44	6.83E-05	2.87E-04	2.58E-05	5.69E-05	2.11E-04	1.85E-05	6.45E-06	3.69E-05	4.41E-06	5.87E-06	1.93E-05	1.33E-06
5963	470111.01	3820388.58	6.80E-05	2.85E-04	2.57E-05	5.66E-05	2.10E-04	1.84E-05	6.42E-06	3.67E-05	4.38E-06	5.83E-06	1.92E-05	1.33E-06
5964	470120.71	3820388.71	6.76E-05	2.84E-04	2.56E-05	5.63E-05	2.09E-04	1.83E-05	6.38E-06	3.65E-05	4.36E-06	5.80E-06	1.91E-05	1.32E-06
5965	470130.4	3820388.85	6.72E-05	2.82E-04	2.54E-05	5.60E-05	2.07E-04	1.82E-05	6.34E-06	3.63E-05	4.33E-06	5.77E-06	1.90E-05	1.31E-06
5966	470140.1	3820388.98	6.67E-05	2.80E-04	2.52E-05	5.56E-05	2.06E-04	1.81E-05	6.30E-06	3.61E-05	4.30E-06	5.73E-06	1.89E-05	1.30E-06
5967	470149.8	3820389.12	6.62E-05	2.78E-04	2.50E-05	5.51E-05	2.04E-04	1.80E-05	6.25E-06	3.58E-05	4.27E-06	5.68E-06	1.87E-05	1.29E-06
5968	470159.5	3820389.25	6.56E-05	2.76E-04	2.48E-05	5.47E-05	2.02E-04	1.78E-05	6.20E-06	3.55E-05	4.23E-06	5.63E-06	1.86E-05	1.28E-06
5969	470169.19	3820389.39	6.50E-05	2.73E-04	2.46E-05	5.42E-05	2.01E-04	1.77E-05	6.14E-06	3.52E-05	4.19E-06	5.58E-06	1.84E-05	1.27E-06
5970	470178.89	3820389.52	6.44E-05	2.71E-04	2.44E-05	5.37E-05	1.99E-04	1.75E-05	6.09E-06	3.48E-05	4.16E-06	5.53E-06	1.82E-05	1.26E-06
5971	470188.59	3820389.66	6.39E-05	2.68E-04	2.41E-05	5.32E-05	1.97E-04	1.73E-05	6.03E-06	3.45E-05	4.12E-06	5.48E-06	1.81E-05	1.25E-06
5972	470198.28	3820389.79	6.32E-05	2.66E-04	2.39E-05	5.27E-05	1.95E-04	1.72E-05	5.97E-06	3.42E-05	4.08E-06	5.43E-06	1.79E-05	1.23E-06
5973	470207.98	3820389.93	6.26E-05	2.63E-04	2.37E-05	5.22E-05	1.93E-04	1.70E-05	5.91E-06	3.39E-05	4.04E-06	5.38E-06	1.77E-05	1.22E-06
5974	470217.68	3820390.06	6.20E-05	2.60E-04	2.34E-05	5.16E-05	1.91E-04	1.68E-05	5.85E-06	3.35E-05	4.00E-06	5.32E-06	1.75E-05	1.21E-06
5975	470227.38	3820390.2	6.14E-05	2.58E-04	2.32E-05	5.11E-05	1.89E-04	1.67E-05	5.79E-06	3.32E-05	3.96E-06	5.27E-06	1.74E-05	1.20E-06
5976	470237.07	3820390.33	6.07E-05	2.55E-04	2.30E-05	5.06E-05	1.87E-04	1.65E-05	5.73E-06	3.28E-05	3.92E-06	5.21E-06	1.72E-05	1.18E-06
5977	470246.77	3820390.47	6.01E-05	2.52E-04	2.27E-05	5.00E-05	1.85E-04	1.63E-05	5.67E-06	3.25E-05	3.87E-06	5.16E-06	1.70E-05	1.17E-06
5978	470256.47	3820390.6	5.94E-05	2.49E-04	2.25E-05	4.95E-05	1.83E-04	1.61E-05	5.61E-06	3.21E-05	3.83E-06	5.10E-06	1.68E-05	1.16E-06
5979	470266.17	3820390.74	5.88E-05	2.47E-04	2.22E-05	4.90E-05	1.81E-04	1.60E-05	5.55E-06	3.18E-05	3.79E-06	5.05E-06	1.66E-05	1.15E-06
5980	470081.62	3820464.46	6.06E-05	2.55E-04	2.29E-05	5.05E-05	1.87E-04	1.65E-05	5.72E-06	3.28E-05	3.91E-06	5.20E-06	1.72E-05	1.18E-06
5981	470072.74	3820460.62	6.12E-05	2.57E-04	2.31E-05	5.10E-05	1.89E-04	1.66E-05	5.78E-06	3.31E-05	3.95E-06	5.25E-06	1.73E-05	1.19E-06
5982	470063.86	3820456.78	6.18E-05	2.59E-04	2.34E-05	5.14E-05	1.91E-04	1.68E-05	5.83E-06	3.34E-05	3.98E-06	5.30E-06	1.75E-05	1.21E-06

5983	470054.99	3820452.94	6.23E-05	2.62E-04	2.36E-05	5.19E-05	1.92E-04	1.69E-05	5.88E-06	3.37E-05	4.02E-06	5.35E-06	1.76E-05	1.22E-06
5984	470046.11	3820449.1	6.28E-05	2.64E-04	2.37E-05	5.23E-05	1.94E-04	1.70E-05	5.93E-06	3.39E-05	4.05E-06	5.39E-06	1.78E-05	1.22E-06
5985	470037.23	3820445.26	6.32E-05	2.66E-04	2.39E-05	5.27E-05	1.95E-04	1.72E-05	5.97E-06	3.42E-05	4.08E-06	5.43E-06	1.79E-05	1.23E-06
5986	470028.35	3820441.43	6.37E-05	2.67E-04	2.41E-05	5.30E-05	1.97E-04	1.73E-05	6.01E-06	3.44E-05	4.11E-06	5.47E-06	1.80E-05	1.24E-06
5987	470019.47	3820437.59	6.41E-05	2.69E-04	2.42E-05	5.34E-05	1.98E-04	1.74E-05	6.05E-06	3.46E-05	4.13E-06	5.50E-06	1.81E-05	1.25E-06
5988	470010.59	3820433.75	6.44E-05	2.70E-04	2.44E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
5989	470001.71	3820429.91	6.47E-05	2.72E-04	2.45E-05	5.39E-05	2.00E-04	1.76E-05	6.11E-06	3.50E-05	4.17E-06	5.55E-06	1.83E-05	1.26E-06
5990	469992.83	3820426.07	6.49E-05	2.73E-04	2.46E-05	5.41E-05	2.00E-04	1.76E-05	6.13E-06	3.51E-05	4.19E-06	5.57E-06	1.84E-05	1.27E-06
5991	469983.96	3820422.23	6.51E-05	2.73E-04	2.46E-05	5.42E-05	2.01E-04	1.77E-05	6.15E-06	3.52E-05	4.20E-06	5.59E-06	1.84E-05	1.27E-06
5992	469975.08	3820418.39	6.53E-05	2.74E-04	2.47E-05	5.44E-05	2.01E-04	1.77E-05	6.17E-06	3.53E-05	4.21E-06	5.61E-06	1.85E-05	1.27E-06
5993	469966.2	3820414.55	6.54E-05	2.75E-04	2.47E-05	5.45E-05	2.02E-04	1.78E-05	6.18E-06	3.54E-05	4.22E-06	5.62E-06	1.85E-05	1.28E-06
5994	469957.32	3820410.71	6.55E-05	2.75E-04	2.48E-05	5.45E-05	2.02E-04	1.78E-05	6.18E-06	3.54E-05	4.22E-06	5.62E-06	1.85E-05	1.28E-06
5995	469948.44	3820406.87	6.55E-05	2.75E-04	2.48E-05	5.45E-05	2.02E-04	1.78E-05	6.18E-06	3.54E-05	4.22E-06	5.62E-06	1.85E-05	1.28E-06
5996	469939.56	3820403.03	6.54E-05	2.75E-04	2.47E-05	5.45E-05	2.02E-04	1.78E-05	6.18E-06	3.54E-05	4.22E-06	5.62E-06	1.85E-05	1.28E-06
5997	469930.68	3820399.19	6.54E-05	2.74E-04	2.47E-05	5.44E-05	2.02E-04	1.77E-05	6.17E-06	3.53E-05	4.22E-06	5.61E-06	1.85E-05	1.28E-06
5998	469921.8	3820395.35	6.52E-05	2.74E-04	2.47E-05	5.43E-05	2.01E-04	1.77E-05	6.16E-06	3.53E-05	4.21E-06	5.60E-06	1.85E-05	1.27E-06
5999	469912.92	3820391.51	6.51E-05	2.73E-04	2.46E-05	5.42E-05	2.01E-04	1.77E-05	6.15E-06	3.52E-05	4.20E-06	5.59E-06	1.84E-05	1.27E-06
6000	469904.05	3820387.67	6.49E-05	2.73E-04	2.45E-05	5.41E-05	2.00E-04	1.76E-05	6.13E-06	3.51E-05	4.19E-06	5.57E-06	1.84E-05	1.27E-06
6001	469895.17	3820383.83	6.47E-05	2.72E-04	2.45E-05	5.39E-05	2.00E-04	1.76E-05	6.11E-06	3.50E-05	4.17E-06	5.55E-06	1.83E-05	1.26E-06
6002	469886.29	3820379.99	6.44E-05	2.70E-04	2.44E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
6003	469877.41	3820376.15	6.41E-05	2.69E-04	2.42E-05	5.34E-05	1.98E-04	1.74E-05	6.05E-06	3.46E-05	4.13E-06	5.50E-06	1.81E-05	1.25E-06
6004	469868.53	3820372.31	6.37E-05	2.68E-04	2.41E-05	5.31E-05	1.97E-04	1.73E-05	6.02E-06	3.45E-05	4.11E-06	5.47E-06	1.80E-05	1.24E-06
6005	469859.65	3820368.48	6.33E-05	2.66E-04	2.40E-05	5.28E-05	1.95E-04	1.72E-05	5.98E-06	3.42E-05	4.09E-06	5.44E-06	1.79E-05	1.24E-06
6006	469850.77	3820364.64	6.29E-05	2.64E-04	2.38E-05	5.24E-05	1.94E-04	1.71E-05	5.94E-06	3.40E-05	4.06E-06	5.40E-06	1.78E-05	1.23E-06
6007	469841.89	3820360.8	6.25E-05	2.62E-04	2.36E-05	5.21E-05	1.93E-04	1.70E-05	5.90E-06	3.38E-05	4.03E-06	5.36E-06	1.77E-05	1.22E-06
6008	469833.02	3820356.96	6.20E-05	2.61E-04	2.35E-05	5.17E-05	1.91E-04	1.68E-05	5.86E-06	3.35E-05	4.00E-06	5.33E-06	1.76E-05	1.21E-06
6009	469824.14	3820353.12	6.16E-05	2.59E-04	2.33E-05	5.13E-05	1.90E-04	1.67E-05	5.81E-06	3.33E-05	3.97E-06	5.29E-06	1.74E-05	1.20E-06
6010	469815.26	3820349.28	6.11E-05	2.56E-04	2.31E-05	5.09E-05	1.88E-04	1.66E-05	5.77E-06	3.30E-05	3.94E-06	5.24E-06	1.73E-05	1.19E-06
6011	469806.38	3820345.44	6.06E-05	2.54E-04	2.29E-05	5.04E-05	1.87E-04	1.64E-05	5.72E-06	3.27E-05	3.91E-06	5.20E-06	1.71E-05	1.18E-06
6012	469797.5	3820341.6	6.00E-05	2.52E-04	2.27E-05	5.00E-05	1.85E-04	1.63E-05	5.67E-06	3.25E-05	3.87E-06	5.15E-06	1.70E-05	1.17E-06
6013	469788.62	3820337.76	5.95E-05	2.50E-04	2.25E-05	4.96E-05	1.84E-04	1.62E-05	5.62E-06	3.22E-05	3.84E-06	5.11E-06	1.68E-05	1.16E-06
6014	469726.47	3820310.88	5.56E-05	2.33E-04	2.10E-05	4.63E-05	1.72E-04	1.51E-05	5.25E-06	3.00E-05	3.58E-06	4.77E-06	1.57E-05	1.08E-06
6015	469717.59	3820307.04	5.50E-05	2.31E-04	2.08E-05	4.58E-05	1.70E-04	1.49E-05	5.20E-06	2.97E-05	3.55E-06	4.72E-06	1.56E-05	1.07E-06
6016	469708.71	3820303.2	5.45E-05	2.29E-04	2.06E-05	4.54E-05	1.68E-04	1.48E-05	5.14E-06	2.94E-05	3.51E-06	4.68E-06	1.54E-05	1.06E-06
6017	469699.83	3820299.37	5.39E-05	2.26E-04	2.04E-05	4.49E-05	1.66E-04	1.46E-05	5.09E-06	2.92E-05	3.48E-06	4.63E-06	1.53E-05	1.05E-06
6018	469611.04	3820260.97	4.89E-05	2.05E-04	1.85E-05	4.07E-05	1.51E-04	1.33E-05	4.62E-06	2.64E-05	3.15E-06	4.20E-06	1.38E-05	9.54E-07
6019	469602.17	3820257.13	4.84E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.57E-06	2.62E-05	3.12E-06	4.16E-06	1.37E-05	9.45E-07
6020	469593.29	3820253.29	4.79E-05	2.01E-04	1.81E-05	3.99E-05	1.48E-04	1.30E-05	4.53E-06	2.59E-05	3.09E-06	4.12E-06	1.36E-05	9.36E-07
6021	469584.41	3820249.45	4.75E-05	1.99E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.48E-06	2.57E-05	3.06E-06	4.08E-06	1.34E-05	9.27E-07
6022	469575.53	3820245.61	4.70E-05	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.44E-06	2.54E-05	3.03E-06	4.04E-06	1.33E-05	9.18E-07
6023	469566.65	3820241.77	4.66E-05	1.96E-04	1.76E-05	3.88E-05	1.44E-04	1.26E-05	4.40E-06	2.52E-05	3.00E-06	4.00E-06	1.32E-05	9.09E-07
6024	469557.77	3820237.93	4.61E-05	1.94E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.36E-06	2.49E-05	2.98E-06	3.96E-06	1.31E-05	9.00E-07
6025	469548.89	3820234.09	4.57E-05	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.31E-06	2.47E-05	2.95E-06	3.92E-06	1.29E-05	8.91E-07
6026	469540.01	3820230.26	4.52E-05	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.27E-06	2.45E-05	2.92E-06	3.88E-06	1.28E-05	8.83E-07
6027	469531.13	3820226.42	4.48E-05	1.88E-04	1.69E-05	3.73E-05	1.38E-04	1.22E-05	4.23E-06	2.42E-05	2.89E-06	3.84E-06	1.27E-05	8.74E-07
6028	469522.26	3820222.58	4.43E-05	1.86E-04	1.68E-05	3.69E-05	1.37E-04	1.20E-05	4.19E-06	2.40E-05	2.86E-06	3.81E-06	1.25E-05	8.65E-07
6029	469513.38	3820218.74	4.39E-05	1.84E-04	1.66E-05	3.66E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.77E-06	1.24E-05	8.56E-07
6030	469504.5	3820214.9	4.34E-05	1.82E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.47E-07
6031	469495.62	3820211.06	4.30E-05	1.80E-04	1.62E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.38E-07
6032	469486.74	3820207.22	4.25E-05	1.78E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.01E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.29E-07
6033	469477.86	3820203.38	4.20E-05	1.76E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.97E-06	2.27E-05	2.71E-06	3.61E-06	1.19E-05	8.20E-07
6034	469468.98	3820199.54	4.16E-05	1.75E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.92E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.11E-07
6035	469460.1	3820195.7	4.11E-05	1.72E-04	1.55E-05	3.42E-05	1.27E-04	1.11E-05	3.88E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.01E-07
6036	469451.23	3820191.86	4.06E-05	1.70E-04	1.54E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.92E-07
6037	469442.35	3820188.02	4.01E-05	1.68E-04	1.52E-05	3.34E-05	1.24E-04	1.09E-05	3.79E-06	2.17E-05	2.59E-06	3.44E-06	1.13E-05	7.82E-07
6038	469433.47	3820184.18	3.96E-05	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.08E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.73E-07
6039	469424.59	3820180.34	3.91E-05	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.36E-06	1.11E-05	7.63E-07
6040	469415.71	3820176.5	3.86E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
6041	469406.83	3820172.66	3.81E-05	1.60E-04	1.44E-05	3.17E-05	1.17E-04	1.03E-05	3.59E-06	2.06E-05	2.46E-06	3.27E-06	1.08E-05	7.43E-07
6042	469397.95	3820168.82	3.75E-05	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.33E-07
6043	469389.07	3820164.98	3.70E-05	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.50E-06	2.00E-05	2.39E-06	3.18E-06	1.05E-05	7.22E-07
6044	469380.19	3820161.15	3.65E-05	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.90E-06	3.44E-06	1.97E-05	2.35E-06	3.13E-06	1.03E-05	7.12E-07
6045	469367.78	3820148.3	3.58E-05	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.72E-06	3.38E-06	1.94E-05	2.31E-06	3.07E-06	1.01E-05	6.99E-07
6046	469364.24	3820139.3	3.56E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.68E-06	3.37E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.95E-07
6047	469360.71	3820130.29	3.55E-05	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.63E-06	3.35E-06	1.92E-05	2.29E-06	3.05E-06	1.00E-05	6.92E-07
6048	469357.17	3820121.29	3.53E-05	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.58E-06	3.33E-06	1.91E-05	2.28E-06	3.03E-06	9.99E-06	6.89E-07
6049	469353.64	3820112.29	3.51E-05	1.47E-04	1.33E-05	2.92E-05	1.08E-04	9.52E-06	3.31E-06	1.90E-05	2.26E-06	3.01E-06	9.93E-06	6.84E-07
6050	469350.1	3820103.28	3.49E-05	1.46E-04	1.32E-05	2.90E-05	1.08E-04	9.46E-06	3.29E-06	1.88E-05	2.25E-06	2.99E-06	9.87E-06	6.80E-07
6051	469346.56	3820094.28	3.46E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.40E-06	3.27E-06	1.87E-05	2.23E-06	2.97E-06	9.80E-06	6.75E-07
6052	469343.03	3820085.27	3.44E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.33E-06	3.24E-06	1.86E-05	2.22E-06	2.95E-06	9.72E-06	6.70E-07
6053	469339.49	3820076.27	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.65E-06	6.65E-07
6054	469335.96	3820067.27	3.38E-05	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.17E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.57E-06	6.59E-07
6055	469332.42	3820058.26	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.48E-06	6.53E-07

6056	469328.88	3820049.26	3.32E-05	1.39E-04	1.25E-05	2.76E-05	1.02E-04	9.00E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.39E-06	6.47E-07
6057	469325.35	3820040.25	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.91E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.40E-07
6058	469190.98	3819698.1	1.42E-05	5.95E-05	5.35E-06	1.18E-05	4.37E-05	3.84E-06	1.34E-06	7.65E-06	9.13E-07	1.22E-06	4.01E-06	2.76E-07
6059	469187.45	3819689.1	1.37E-05	5.76E-05	5.19E-06	1.14E-05	4.24E-05	3.73E-06	1.30E-06	7.42E-06	8.85E-07	1.18E-06	3.88E-06	2.68E-07
6060	469183.91	3819680.09	1.33E-05	5.59E-05	5.03E-06	1.11E-05	4.10E-05	3.61E-06	1.26E-06	7.19E-06	8.58E-07	1.14E-06	3.77E-06	2.60E-07
6061	469180.37	3819671.09	1.29E-05	5.41E-05	4.88E-06	1.07E-05	3.98E-05	3.50E-06	1.22E-06	6.97E-06	8.32E-07	1.11E-06	3.65E-06	2.52E-07
6062	469176.84	3819662.09	1.25E-05	5.25E-05	4.72E-06	1.04E-05	3.86E-05	3.39E-06	1.18E-06	6.75E-06	8.06E-07	1.07E-06	3.54E-06	2.44E-07
6063	469173.3	3819653.08	1.21E-05	5.08E-05	4.58E-06	1.01E-05	3.73E-05	3.29E-06	1.14E-06	6.54E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
6064	469169.77	3819644.08	1.17E-05	4.92E-05	4.43E-06	9.76E-06	3.62E-05	3.18E-06	1.11E-06	6.34E-06	7.56E-07	1.01E-06	3.32E-06	2.29E-07
6065	469166.23	3819635.07	1.14E-05	4.77E-05	4.30E-06	9.46E-06	3.50E-05	3.08E-06	1.07E-06	6.14E-06	7.33E-07	9.75E-07	3.21E-06	2.22E-07
6066	469162.7	3819626.07	1.10E-05	4.62E-05	4.16E-06	9.17E-06	3.40E-05	2.99E-06	1.04E-06	5.95E-06	7.10E-07	9.45E-07	3.12E-06	2.15E-07
6067	469159.16	3819617.07	1.07E-05	4.48E-05	4.04E-06	8.89E-06	3.29E-05	2.90E-06	1.01E-06	5.77E-06	6.88E-07	9.16E-07	3.02E-06	2.08E-07
6068	469155.62	3819608.06	1.03E-05	4.34E-05	3.91E-06	8.61E-06	3.19E-05	2.81E-06	9.76E-07	5.59E-06	6.67E-07	8.87E-07	2.93E-06	2.02E-07
6069	469152.09	3819599.06	1.00E-05	4.21E-05	3.79E-06	8.35E-06	3.09E-05	2.72E-06	9.47E-07	5.42E-06	6.47E-07	8.61E-07	2.84E-06	1.96E-07
6070	469148.55	3819590.05	9.73E-06	4.08E-05	3.68E-06	8.10E-06	3.00E-05	2.64E-06	9.19E-07	5.26E-06	6.27E-07	8.35E-07	2.75E-06	1.90E-07
6071	469145.02	3819581.05	9.44E-06	3.97E-05	3.57E-06	7.87E-06	2.91E-05	2.56E-06	8.92E-07	5.11E-06	6.09E-07	8.11E-07	2.67E-06	1.84E-07
6072	469141.48	3819572.05	9.17E-06	3.85E-05	3.47E-06	7.64E-06	2.83E-05	2.49E-06	8.66E-07	4.96E-06	5.91E-07	7.87E-07	2.60E-06	1.79E-07
6073	469137.94	3819563.04	8.90E-06	3.74E-05	3.37E-06	7.42E-06	2.75E-05	2.42E-06	8.41E-07	4.81E-06	5.74E-07	7.64E-07	2.52E-06	1.74E-07
6074	469134.41	3819554.04	8.65E-06	3.63E-05	3.27E-06	7.21E-06	2.67E-05	2.35E-06	8.17E-07	4.68E-06	5.58E-07	7.43E-07	2.45E-06	1.69E-07
6075	469130.87	3819545.03	8.41E-06	3.53E-05	3.18E-06	7.01E-06	2.60E-05	2.28E-06	7.95E-07	4.55E-06	5.43E-07	7.22E-07	2.38E-06	1.64E-07
6076	469127.34	3819536.03	8.18E-06	3.44E-05	3.09E-06	6.82E-06	2.53E-05	2.22E-06	7.73E-07	4.42E-06	5.28E-07	7.02E-07	2.32E-06	1.60E-07
6077	469123.8	3819527.03	7.96E-06	3.34E-05	3.01E-06	6.63E-06	2.46E-05	2.16E-06	7.52E-07	4.30E-06	5.14E-07	6.83E-07	2.25E-06	1.55E-07
6078	469120.26	3819518.02	7.75E-06	3.26E-05	2.93E-06	6.46E-06	2.39E-05	2.11E-06	7.32E-07	4.19E-06	5.00E-07	6.66E-07	2.20E-06	1.51E-07
6079	469116.73	3819509.02	7.55E-06	3.17E-05	2.86E-06	6.29E-06	2.33E-05	2.05E-06	7.13E-07	4.08E-06	4.87E-07	6.48E-07	2.14E-06	1.47E-07
6080	469113.19	3819500.01	7.36E-06	3.09E-05	2.78E-06	6.13E-06	2.27E-05	2.00E-06	6.95E-07	3.98E-06	4.75E-07	6.32E-07	2.08E-06	1.44E-07
6081	469109.66	3819491.01	7.17E-06	3.01E-05	2.71E-06	5.97E-06	2.21E-05	1.95E-06	6.77E-07	3.88E-06	4.63E-07	6.16E-07	2.03E-06	1.40E-07
6082	469106.12	3819482.01	6.99E-06	2.94E-05	2.64E-06	5.82E-06	2.16E-05	1.90E-06	6.60E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
6083	469102.58	3819473	6.82E-06	2.86E-05	2.58E-06	5.68E-06	2.10E-05	1.85E-06	6.44E-07	3.69E-06	4.40E-07	5.85E-07	1.93E-06	1.33E-07
6084	470090.5	3820468.3	6.00E-05	2.52E-04	2.27E-05	5.00E-05	1.85E-04	1.63E-05	5.67E-06	3.24E-05	3.87E-06	5.15E-06	1.70E-05	1.17E-06
6085	470100.2	3820468.44	5.97E-05	2.51E-04	2.26E-05	4.97E-05	1.84E-04	1.62E-05	5.64E-06	3.23E-05	3.85E-06	5.12E-06	1.69E-05	1.16E-06
6086	470109.9	3820468.57	5.94E-05	2.49E-04	2.25E-05	4.94E-05	1.83E-04	1.61E-05	5.61E-06	3.21E-05	3.83E-06	5.10E-06	1.68E-05	1.16E-06
6087	470119.59	3820468.71	5.90E-05	2.48E-04	2.23E-05	4.92E-05	1.82E-04	1.60E-05	5.57E-06	3.19E-05	3.81E-06	5.07E-06	1.67E-05	1.15E-06
6088	470129.29	3820468.84	5.87E-05	2.46E-04	2.22E-05	4.89E-05	1.81E-04	1.59E-05	5.54E-06	3.17E-05	3.78E-06	5.03E-06	1.66E-05	1.14E-06
6089	470138.99	3820468.98	5.82E-05	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
6090	470148.68	3820469.11	5.78E-05	2.43E-04	2.19E-05	4.81E-05	1.78E-04	1.57E-05	5.46E-06	3.12E-05	3.73E-06	4.96E-06	1.64E-05	1.13E-06
6091	470158.38	3820469.25	5.73E-05	2.41E-04	2.17E-05	4.78E-05	1.77E-04	1.56E-05	5.41E-06	3.10E-05	3.70E-06	4.92E-06	1.62E-05	1.12E-06
6092	470168.08	3820469.38	5.68E-05	2.39E-04	2.15E-05	4.73E-05	1.75E-04	1.54E-05	5.37E-06	3.07E-05	3.67E-06	4.88E-06	1.61E-05	1.11E-06
6093	470177.78	3820469.52	5.63E-05	2.37E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.32E-06	3.05E-05	3.63E-06	4.84E-06	1.59E-05	1.10E-06
6094	470187.47	3820469.65	5.58E-05	2.34E-04	2.11E-05	4.65E-05	1.72E-04	1.52E-05	5.27E-06	3.02E-05	3.60E-06	4.79E-06	1.58E-05	1.09E-06
6095	470197.17	3820469.79	5.53E-05	2.32E-04	2.09E-05	4.61E-05	1.71E-04	1.50E-05	5.22E-06	2.99E-05	3.57E-06	4.75E-06	1.57E-05	1.08E-06
6096	470206.87	3820469.92	5.48E-05	2.30E-04	2.07E-05	4.56E-05	1.69E-04	1.49E-05	5.17E-06	2.96E-05	3.53E-06	4.70E-06	1.55E-05	1.07E-06
6097	470216.57	3820470.06	5.43E-05	2.28E-04	2.05E-05	4.52E-05	1.67E-04	1.47E-05	5.12E-06	2.93E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
6098	470226.26	3820470.19	5.37E-05	2.26E-04	2.03E-05	4.48E-05	1.66E-04	1.46E-05	5.07E-06	2.91E-05	3.47E-06	4.61E-06	1.52E-05	1.05E-06
6099	470235.96	3820470.33	5.32E-05	2.23E-04	2.01E-05	4.43E-05	1.64E-04	1.44E-05	5.02E-06	2.88E-05	3.43E-06	4.57E-06	1.51E-05	1.04E-06
6100	470245.66	3820470.46	5.27E-05	2.21E-04	1.99E-05	4.39E-05	1.63E-04	1.43E-05	4.97E-06	2.85E-05	3.40E-06	4.52E-06	1.49E-05	1.03E-06
6101	470255.35	3820470.6	5.21E-05	2.19E-04	1.97E-05	4.34E-05	1.61E-04	1.42E-05	4.92E-06	2.82E-05	3.36E-06	4.48E-06	1.48E-05	1.02E-06
6102	470265.05	3820470.73	5.16E-05	2.17E-04	1.95E-05	4.30E-05	1.59E-04	1.40E-05	4.87E-06	2.79E-05	3.33E-06	4.43E-06	1.46E-05	1.01E-06
6103	470080.57	3820544.48	5.36E-05	2.25E-04	2.03E-05	4.46E-05	1.65E-04	1.45E-05	5.06E-06	2.90E-05	3.46E-06	4.60E-06	1.52E-05	1.05E-06
6104	470071.76	3820540.67	5.41E-05	2.27E-04	2.05E-05	4.51E-05	1.67E-04	1.47E-05	5.11E-06	2.92E-05	3.49E-06	4.64E-06	1.53E-05	1.06E-06
6105	470062.95	3820536.86	5.46E-05	2.29E-04	2.06E-05	4.55E-05	1.68E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
6106	470054.13	3820533.05	5.51E-05	2.31E-04	2.08E-05	4.59E-05	1.70E-04	1.49E-05	5.20E-06	2.98E-05	3.55E-06	4.73E-06	1.56E-05	1.07E-06
6107	470045.32	3820529.24	5.55E-05	2.33E-04	2.10E-05	4.62E-05	1.71E-04	1.51E-05	5.24E-06	3.00E-05	3.58E-06	4.76E-06	1.57E-05	1.08E-06
6108	470036.51	3820525.43	5.59E-05	2.35E-04	2.11E-05	4.66E-05	1.73E-04	1.52E-05	5.28E-06	3.02E-05	3.61E-06	4.80E-06	1.58E-05	1.09E-06
6109	470027.69	3820521.61	5.63E-05	2.36E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.32E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
6110	470018.88	3820517.8	5.66E-05	2.38E-04	2.14E-05	4.72E-05	1.75E-04	1.54E-05	5.35E-06	3.06E-05	3.65E-06	4.86E-06	1.60E-05	1.11E-06
6111	470010.07	3820513.99	5.70E-05	2.39E-04	2.16E-05	4.75E-05	1.76E-04	1.55E-05	5.38E-06	3.08E-05	3.68E-06	4.89E-06	1.61E-05	1.11E-06
6112	470001.25	3820510.18	5.73E-05	2.41E-04	2.17E-05	4.77E-05	1.77E-04	1.56E-05	5.41E-06	3.10E-05	3.70E-06	4.92E-06	1.62E-05	1.12E-06
6113	469992.44	3820506.37	5.76E-05	2.42E-04	2.18E-05	4.80E-05	1.78E-04	1.56E-05	5.44E-06	3.11E-05	3.71E-06	4.94E-06	1.63E-05	1.12E-06
6114	469983.63	3820502.56	5.78E-05	2.43E-04	2.19E-05	4.81E-05	1.78E-04	1.57E-05	5.46E-06	3.12E-05	3.73E-06	4.96E-06	1.64E-05	1.13E-06
6115	469974.81	3820498.75	5.80E-05	2.44E-04	2.19E-05	4.83E-05	1.79E-04	1.57E-05	5.48E-06	3.14E-05	3.74E-06	4.98E-06	1.64E-05	1.13E-06
6116	469966	3820494.94	5.82E-05	2.44E-04	2.20E-05	4.84E-05	1.79E-04	1.58E-05	5.49E-06	3.14E-05	3.75E-06	4.99E-06	1.65E-05	1.13E-06
6117	469957.18	3820491.13	5.83E-05	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
6118	469948.37	3820487.31	5.83E-05	2.45E-04	2.21E-05	4.86E-05	1.80E-04	1.58E-05	5.51E-06	3.15E-05	3.76E-06	5.01E-06	1.65E-05	1.14E-06
6119	469939.56	3820483.5	5.84E-05	2.45E-04	2.21E-05	4.86E-05	1.80E-04	1.58E-05	5.51E-06	3.16E-05	3.76E-06	5.01E-06	1.65E-05	1.14E-06
6120	469930.74	3820479.69	5.84E-05	2.45E-04	2.21E-05	4.86E-05	1.80E-04	1.58E-05	5.51E-06	3.15E-05	3.76E-06	5.01E-06	1.65E-05	1.14E-06
6121	469921.93	3820475.88	5.83E-05	2.45E-04	2.21E-05	4.86E-05	1.80E-04	1.58E-05	5.51E-06	3.15E-05	3.76E-06	5.01E-06	1.65E-05	1.14E-06
6122	469913.12	3820472.07	5.83E-05	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
6123	469904.3	3820468.26	5.82E-05	2.44E-04	2.20E-05	4.84E-05	1.79E-04	1.58E-05	5.49E-06	3.14E-05	3.75E-06	4.99E-06	1.65E-05	1.13E-06
6124	469895.49	3820464.45	5.80E-05	2.44E-04	2.19E-05	4.83E-05	1.79E-04	1.57E-05	5.48E-06	3.14E-05	3.74E-06	4.98E-06	1.64E-05	1.13E-06
6125	469886.68	3820460.64	5.78E-05	2.43E-04	2.19E-05	4.82E-05	1.78E-04	1.57E-05	5.46E-06	3.13E-05	3.73E-06	4.96E-06	1.64E-05	1.13E-06
6126	469877.86	3820456.82	5.76E-05	2.42E-04	2.18E-05	4.80E-05	1.78E-04	1.56E-05	5.44E-06	3.11E-05	3.72E-06	4.95E-06	1.63E-05	1.12E-06
6127	469869.05	3820453.01	5.74E-05	2.41E-04	2.17E-05	4.78E-05	1.77E-04	1.56E-05	5.42E-06	3.10E-05	3.70E-06	4.92E-06	1.62E-05	1.12E-06
6128	469860.24	3820449.2	5.71E-05	2.40E-04	2.16E-05	4.76E-05	1.76E-04	1.55E-05	5.39E-06	3.09E-05	3.68E-06	4.90E-06	1.62E-05	1.11E-06

6129	469851.42	3820445.39	5.68E-05	2.39E-04	2.15E-05	4.73E-05	1.75E-04	1.54E-05	5.37E-06	3.07E-05	3.67E-06	4.88E-06	1.61E-05	1.11E-06
6130	469842.61	3820441.58	5.65E-05	2.37E-04	2.14E-05	4.71E-05	1.74E-04	1.53E-05	5.34E-06	3.05E-05	3.64E-06	4.85E-06	1.60E-05	1.10E-06
6131	469833.79	3820437.77	5.62E-05	2.36E-04	2.12E-05	4.68E-05	1.73E-04	1.52E-05	5.30E-06	3.04E-05	3.62E-06	4.82E-06	1.59E-05	1.10E-06
6132	469824.98	3820433.96	5.58E-05	2.34E-04	2.11E-05	4.65E-05	1.72E-04	1.52E-05	5.27E-06	3.02E-05	3.60E-06	4.79E-06	1.58E-05	1.09E-06
6133	469816.17	3820430.15	5.54E-05	2.33E-04	2.10E-05	4.62E-05	1.71E-04	1.50E-05	5.24E-06	3.00E-05	3.58E-06	4.76E-06	1.57E-05	1.08E-06
6134	469807.35	3820426.33	5.50E-05	2.31E-04	2.08E-05	4.58E-05	1.70E-04	1.49E-05	5.20E-06	2.98E-05	3.55E-06	4.72E-06	1.56E-05	1.07E-06
6135	469798.54	3820422.52	5.46E-05	2.29E-04	2.07E-05	4.55E-05	1.69E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
6136	469789.73	3820418.71	5.42E-05	2.28E-04	2.05E-05	4.51E-05	1.67E-04	1.47E-05	5.12E-06	2.93E-05	3.49E-06	4.65E-06	1.53E-05	1.06E-06
6137	469780.91	3820414.9	5.37E-05	2.26E-04	2.03E-05	4.48E-05	1.66E-04	1.46E-05	5.07E-06	2.90E-05	3.47E-06	4.61E-06	1.52E-05	1.05E-06
6138	469772.1	3820411.09	5.33E-05	2.24E-04	2.02E-05	4.44E-05	1.64E-04	1.45E-05	5.03E-06	2.88E-05	3.44E-06	4.57E-06	1.51E-05	1.04E-06
6139	469763.29	3820407.28	5.28E-05	2.22E-04	2.00E-05	4.40E-05	1.63E-04	1.43E-05	4.99E-06	2.86E-05	3.41E-06	4.54E-06	1.50E-05	1.03E-06
6140	469754.47	3820403.47	5.24E-05	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.94E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
6141	469745.66	3820399.66	5.19E-05	2.18E-04	1.96E-05	4.32E-05	1.60E-04	1.41E-05	4.90E-06	2.81E-05	3.35E-06	4.46E-06	1.47E-05	1.01E-06
6142	469736.85	3820395.84	5.14E-05	2.16E-04	1.94E-05	4.28E-05	1.59E-04	1.40E-05	4.86E-06	2.78E-05	3.32E-06	4.41E-06	1.46E-05	1.00E-06
6143	469728.03	3820392.03	5.09E-05	2.14E-04	1.93E-05	4.24E-05	1.57E-04	1.38E-05	4.81E-06	2.75E-05	3.29E-06	4.37E-06	1.44E-05	9.94E-07
6144	469719.22	3820388.22	5.05E-05	2.12E-04	1.91E-05	4.20E-05	1.56E-04	1.37E-05	4.76E-06	2.73E-05	3.25E-06	4.33E-06	1.43E-05	9.85E-07
6145	469710.41	3820384.41	5.00E-05	2.10E-04	1.89E-05	4.16E-05	1.54E-04	1.36E-05	4.72E-06	2.70E-05	3.22E-06	4.29E-06	1.41E-05	9.75E-07
6146	469701.59	3820380.6	4.95E-05	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.68E-05	3.19E-06	4.25E-06	1.40E-05	9.66E-07
6147	469613.46	3820342.49	4.51E-05	1.89E-04	1.70E-05	3.75E-05	1.39E-04	1.22E-05	4.26E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.80E-07
6148	469604.64	3820338.68	4.47E-05	1.88E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.22E-06	2.42E-05	2.88E-06	3.84E-06	1.26E-05	8.72E-07
6149	469595.83	3820334.87	4.43E-05	1.86E-04	1.67E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.39E-05	2.86E-06	3.80E-06	1.25E-05	8.64E-07
6150	469587.02	3820331.05	4.39E-05	1.84E-04	1.66E-05	3.66E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.77E-06	1.24E-05	8.56E-07
6151	469578.2	3820327.24	4.35E-05	1.83E-04	1.65E-05	3.62E-05	1.34E-04	1.18E-05	4.11E-06	2.35E-05	2.81E-06	3.73E-06	1.23E-05	8.49E-07
6152	469569.39	3820323.43	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.41E-07
6153	469560.57	3820319.62	4.27E-05	1.80E-04	1.62E-05	3.56E-05	1.32E-04	1.16E-05	4.04E-06	2.31E-05	2.76E-06	3.67E-06	1.21E-05	8.34E-07
6154	469551.76	3820315.81	4.24E-05	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.64E-06	1.20E-05	8.27E-07
6155	469542.95	3820312	4.20E-05	1.76E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.97E-06	2.27E-05	2.71E-06	3.61E-06	1.19E-05	8.20E-07
6156	469534.13	3820308.19	4.17E-05	1.75E-04	1.58E-05	3.47E-05	1.29E-04	1.13E-05	3.93E-06	2.25E-05	2.69E-06	3.58E-06	1.18E-05	8.13E-07
6157	469525.32	3820304.38	4.13E-05	1.73E-04	1.56E-05	3.44E-05	1.27E-04	1.12E-05	3.90E-06	2.23E-05	2.66E-06	3.54E-06	1.17E-05	8.06E-07
6158	469516.51	3820300.56	4.09E-05	1.72E-04	1.55E-05	3.41E-05	1.26E-04	1.11E-05	3.86E-06	2.21E-05	2.64E-06	3.51E-06	1.16E-05	7.99E-07
6159	469507.69	3820296.75	4.06E-05	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.92E-07
6160	469498.88	3820292.94	4.02E-05	1.69E-04	1.52E-05	3.35E-05	1.24E-04	1.09E-05	3.80E-06	2.17E-05	2.59E-06	3.45E-06	1.14E-05	7.85E-07
6161	469490.07	3820289.13	3.99E-05	1.67E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.78E-07
6162	469481.25	3820285.32	3.95E-05	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.14E-05	2.55E-06	3.39E-06	1.12E-05	7.71E-07
6163	469472.44	3820281.51	3.91E-05	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.52E-06	3.36E-06	1.11E-05	7.64E-07
6164	469463.63	3820277.7	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
6165	469454.81	3820273.89	3.84E-05	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
6166	469446	3820270.07	3.80E-05	1.60E-04	1.44E-05	3.17E-05	1.17E-04	1.03E-05	3.59E-06	2.06E-05	2.45E-06	3.27E-06	1.08E-05	7.42E-07
6167	469437.19	3820266.26	3.77E-05	1.58E-04	1.42E-05	3.14E-05	1.16E-04	1.02E-05	3.56E-06	2.04E-05	2.43E-06	3.23E-06	1.07E-05	7.35E-07
6168	469428.37	3820262.45	3.73E-05	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.52E-06	2.02E-05	2.40E-06	3.20E-06	1.06E-05	7.27E-07
6169	469419.56	3820258.64	3.69E-05	1.55E-04	1.40E-05	3.07E-05	1.14E-04	1.00E-05	3.48E-06	1.99E-05	2.38E-06	3.17E-06	1.04E-05	7.20E-07
6170	469410.74	3820254.83	3.65E-05	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.91E-06	3.45E-06	1.97E-05	2.35E-06	3.13E-06	1.03E-05	7.12E-07
6171	469401.93	3820251.02	3.61E-05	1.52E-04	1.37E-05	3.01E-05	1.11E-04	9.80E-06	3.41E-06	1.95E-05	2.33E-06	3.10E-06	1.02E-05	7.05E-07
6172	469393.12	3820247.21	3.57E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.69E-06	3.37E-06	1.93E-05	2.30E-06	3.07E-06	1.01E-05	6.97E-07
6173	469384.3	3820243.4	3.53E-05	1.48E-04	1.34E-05	2.94E-05	1.09E-04	9.58E-06	3.33E-06	1.91E-05	2.28E-06	3.03E-06	9.99E-06	6.89E-07
6174	469375.49	3820239.58	3.49E-05	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.47E-06	3.29E-06	1.89E-05	2.25E-06	3.00E-06	9.88E-06	6.81E-07
6175	469366.68	3820235.77	3.45E-05	1.45E-04	1.30E-05	2.87E-05	1.06E-04	9.36E-06	3.26E-06	1.86E-05	2.22E-06	2.96E-06	9.76E-06	6.73E-07
6176	469357.86	3820231.96	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.24E-06	3.22E-06	1.84E-05	2.20E-06	2.92E-06	9.64E-06	6.64E-07
6177	469349.05	3820228.15	3.36E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.13E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.52E-06	6.56E-07
6178	469340.24	3820224.34	3.32E-05	1.39E-04	1.26E-05	2.77E-05	1.02E-04	9.01E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
6179	469331.42	3820220.53	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.89E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.27E-06	6.39E-07
6180	469322.61	3820216.72	3.23E-05	1.36E-04	1.22E-05	2.69E-05	9.97E-05	8.77E-06	3.05E-06	1.75E-05	2.08E-06	2.77E-06	9.15E-06	6.31E-07
6181	469310.29	3820203.97	3.18E-05	1.33E-04	1.20E-05	2.65E-05	9.80E-05	8.62E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	8.99E-06	6.20E-07
6182	469306.78	3820195.03	3.16E-05	1.33E-04	1.20E-05	2.63E-05	9.76E-05	8.59E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.95E-06	6.17E-07
6183	469303.27	3820186.09	3.15E-05	1.32E-04	1.19E-05	2.62E-05	9.72E-05	8.55E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.91E-06	6.14E-07
6184	469299.76	3820177.16	3.13E-05	1.32E-04	1.18E-05	2.61E-05	9.67E-05	8.51E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.87E-06	6.11E-07
6185	469296.25	3820168.22	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.62E-05	8.46E-06	2.94E-06	1.68E-05	2.01E-06	2.68E-06	8.82E-06	6.08E-07
6186	469292.74	3820159.28	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.56E-05	8.41E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.77E-06	6.05E-07
6187	469271.68	3820105.65	2.96E-05	1.24E-04	1.12E-05	2.47E-05	9.14E-05	8.04E-06	2.80E-06	1.60E-05	1.91E-06	2.54E-06	8.38E-06	5.78E-07
6188	469268.17	3820096.71	2.93E-05	1.23E-04	1.11E-05	2.44E-05	9.05E-05	7.96E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.30E-06	5.72E-07
6189	469264.66	3820087.78	2.90E-05	1.22E-04	1.10E-05	2.42E-05	8.96E-05	7.88E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.22E-06	5.67E-07
6190	469261.15	3820078.84	2.87E-05	1.21E-04	1.09E-05	2.39E-05	8.87E-05	7.80E-06	2.71E-06	1.55E-05	1.85E-06	2.47E-06	8.14E-06	5.61E-07
6191	469257.64	3820069.9	2.84E-05	1.19E-04	1.08E-05	2.37E-05	8.77E-05	7.72E-06	2.69E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
6192	469254.13	3820060.96	2.81E-05	1.18E-04	1.06E-05	2.34E-05	8.68E-05	7.63E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.96E-06	5.49E-07
6193	469250.62	3820052.03	2.78E-05	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
6194	469247.11	3820043.09	2.74E-05	1.15E-04	1.04E-05	2.28E-05	8.46E-05	7.45E-06	2.59E-06	1.48E-05	1.77E-06	2.35E-06	7.76E-06	5.35E-07
6195	469243.6	3820034.15	2.71E-05	1.14E-04	1.02E-05	2.26E-05	8.35E-05	7.35E-06	2.56E-06	1.46E-05	1.75E-06	2.32E-06	7.66E-06	5.28E-07
6196	469145.32	3819783.89	1.50E-05	6.30E-05	5.67E-06	1.25E-05	4.63E-05	4.07E-06	1.42E-06	8.11E-06	9.68E-07	1.29E-06	4.25E-06	2.93E-07
6197	469141.81	3819774.95	1.46E-05	6.13E-05	5.52E-06	1.22E-05	4.50E-05	3.96E-06	1.38E-06	7.89E-06	9.41E-07	1.25E-06	4.13E-06	2.85E-07
6198	469138.3	3819766.02	1.42E-05	5.96E-05	5.37E-06	1.18E-05	4.38E-05	3.85E-06	1.34E-06	7.67E-06	9.15E-07	1.22E-06	4.02E-06	2.77E-07
6199	469134.79	3819757.08	1.38E-05	5.79E-05	5.22E-06	1.15E-05	4.26E-05	3.74E-06	1.30E-06	7.46E-06	8.90E-07	1.18E-06	3.90E-06	2.69E-07
6200	469131.28	3819748.14	1.34E-05	5.63E-05	5.07E-06	1.12E-05	4.14E-05	3.64E-06	1.27E-06	7.25E-06	8.64E-07	1.15E-06	3.79E-06	2.62E-07
6201	469127.77	3819739.2	1.30E-05	5.47E-05	4.92E-06	1.08E-05	4.02E-05	3.54E-06	1.23E-06	7.04E-06	8.40E-07	1.12E-06	3.69E-06	2.54E-07

6202	469124.26	3819730.26	1.27E-05	5.31E-05	4.78E-06	1.05E-05	3.90E-05	3.43E-06	1.19E-06	6.84E-06	8.16E-07	1.09E-06	3.58E-06	2.47E-07
6203	469120.75	3819721.33	1.23E-05	5.16E-05	4.65E-06	1.02E-05	3.79E-05	3.34E-06	1.16E-06	6.64E-06	7.92E-07	1.05E-06	3.48E-06	2.40E-07
6204	469117.24	3819712.39	1.19E-05	5.01E-05	4.51E-06	9.93E-06	3.68E-05	3.24E-06	1.13E-06	6.45E-06	7.69E-07	1.02E-06	3.38E-06	2.33E-07
6205	469113.73	3819703.45	1.16E-05	4.86E-05	4.38E-06	9.64E-06	3.57E-05	3.14E-06	1.09E-06	6.26E-06	7.47E-07	9.94E-07	3.28E-06	2.26E-07
6206	469110.22	3819694.51	1.12E-05	4.72E-05	4.25E-06	9.35E-06	3.46E-05	3.05E-06	1.06E-06	6.07E-06	7.24E-07	9.64E-07	3.18E-06	2.19E-07
6207	469106.71	3819685.58	1.09E-05	4.57E-05	4.12E-06	9.07E-06	3.36E-05	2.96E-06	1.03E-06	5.89E-06	7.02E-07	9.35E-07	3.08E-06	2.13E-07
6208	469103.2	3819676.64	1.06E-05	4.44E-05	4.00E-06	8.80E-06	3.26E-05	2.87E-06	9.98E-07	5.71E-06	6.82E-07	9.07E-07	2.99E-06	2.06E-07
6209	469099.69	3819667.7	1.03E-05	4.31E-05	3.88E-06	8.55E-06	3.17E-05	2.79E-06	9.69E-07	5.55E-06	6.62E-07	8.81E-07	2.90E-06	2.00E-07
6210	469096.18	3819658.76	9.96E-06	4.18E-05	3.77E-06	8.30E-06	3.07E-05	2.70E-06	9.41E-07	5.39E-06	6.43E-07	8.55E-07	2.82E-06	1.94E-07
6211	469092.67	3819649.82	9.67E-06	4.06E-05	3.66E-06	8.06E-06	2.99E-05	2.63E-06	9.14E-07	5.23E-06	6.24E-07	8.30E-07	2.74E-06	1.89E-07
6212	469089.16	3819640.89	9.40E-06	3.95E-05	3.55E-06	7.83E-06	2.90E-05	2.55E-06	8.87E-07	5.08E-06	6.06E-07	8.07E-07	2.66E-06	1.83E-07
6213	469085.65	3819631.95	9.13E-06	3.83E-05	3.45E-06	7.60E-06	2.82E-05	2.48E-06	8.62E-07	4.93E-06	5.89E-07	7.83E-07	2.58E-06	1.78E-07
6214	469082.14	3819623.01	8.87E-06	3.73E-05	3.35E-06	7.39E-06	2.74E-05	2.41E-06	8.38E-07	4.80E-06	5.72E-07	7.62E-07	2.51E-06	1.73E-07
6215	469078.63	3819614.07	8.62E-06	3.62E-05	3.26E-06	7.18E-06	2.66E-05	2.34E-06	8.14E-07	4.66E-06	5.56E-07	7.40E-07	2.44E-06	1.68E-07
6216	469075.12	3819605.14	8.38E-06	3.52E-05	3.17E-06	6.98E-06	2.59E-05	2.27E-06	7.91E-07	4.53E-06	5.41E-07	7.19E-07	2.37E-06	1.64E-07
6217	469071.61	3819596.2	8.15E-06	3.42E-05	3.08E-06	6.79E-06	2.51E-05	2.21E-06	7.70E-07	4.41E-06	5.26E-07	7.00E-07	2.31E-06	1.59E-07
6218	469068.1	3819587.26	7.93E-06	3.33E-05	3.00E-06	6.60E-06	2.45E-05	2.15E-06	7.49E-07	4.29E-06	5.11E-07	6.81E-07	2.24E-06	1.55E-07
6219	469064.59	3819578.32	7.72E-06	3.24E-05	2.92E-06	6.43E-06	2.38E-05	2.09E-06	7.29E-07	4.17E-06	4.98E-07	6.62E-07	2.18E-06	1.51E-07
6220	469061.08	3819569.38	7.51E-06	3.16E-05	2.84E-06	6.26E-06	2.32E-05	2.04E-06	7.10E-07	4.06E-06	4.85E-07	6.45E-07	2.13E-06	1.47E-07
6221	469057.57	3819560.45	7.32E-06	3.07E-05	2.77E-06	6.09E-06	2.26E-05	1.99E-06	6.91E-07	3.96E-06	4.72E-07	6.28E-07	2.07E-06	1.43E-07
6222	469054.06	3819551.51	7.12E-06	2.99E-05	2.69E-06	5.93E-06	2.20E-05	1.93E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
6223	469050.55	3819542.57	6.94E-06	2.92E-05	2.63E-06	5.78E-06	2.14E-05	1.88E-06	6.56E-07	3.75E-06	4.48E-07	5.96E-07	1.96E-06	1.35E-07
6224	469047.04	3819533.63	6.77E-06	2.84E-05	2.56E-06	5.64E-06	2.09E-05	1.84E-06	6.39E-07	3.66E-06	4.37E-07	5.81E-07	1.92E-06	1.32E-07
6225	469043.53	3819524.7	6.60E-06	2.77E-05	2.50E-06	5.50E-06	2.04E-05	1.79E-06	6.24E-07	3.57E-06	4.26E-07	5.67E-07	1.87E-06	1.29E-07
6226	469040.02	3819515.76	6.44E-06	2.71E-05	2.44E-06	5.37E-06	1.99E-05	1.75E-06	6.08E-07	3.48E-06	4.15E-07	5.53E-07	1.82E-06	1.26E-07
6227	469036.51	3819506.82	6.29E-06	2.64E-05	2.38E-06	5.24E-06	1.94E-05	1.71E-06	5.94E-07	3.40E-06	4.06E-07	5.40E-07	1.78E-06	1.23E-07
6228	469033	3819497.88	6.14E-06	2.58E-05	2.32E-06	5.12E-06	1.90E-05	1.67E-06	5.80E-07	3.32E-06	3.96E-07	5.27E-07	1.74E-06	1.20E-07
6229	469029.49	3819488.94	6.00E-06	2.52E-05	2.27E-06	5.00E-06	1.85E-05	1.63E-06	5.67E-07	3.25E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
6230	469025.98	3819480.01	5.87E-06	2.47E-05	2.22E-06	4.89E-06	1.81E-05	1.59E-06	5.55E-07	3.18E-06	3.79E-07	5.04E-07	1.66E-06	1.15E-07
6231	469022.47	3819471.07	5.74E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.42E-07	3.11E-06	3.70E-07	4.93E-07	1.63E-06	1.12E-07
6232	469018.96	3819462.13	5.62E-06	2.36E-05	2.13E-06	4.68E-06	1.73E-05	1.53E-06	5.31E-07	3.04E-06	3.62E-07	4.82E-07	1.59E-06	1.10E-07
6233	469015.45	3819453.19	5.50E-06	2.31E-05	2.08E-06	4.58E-06	1.70E-05	1.49E-06	5.19E-07	2.97E-06	3.55E-07	4.72E-07	1.56E-06	1.07E-07
6234	469011.94	3819444.26	5.38E-06	2.26E-05	2.04E-06	4.48E-06	1.66E-05	1.46E-06	5.08E-07	2.91E-06	3.47E-07	4.62E-07	1.52E-06	1.05E-07
6235	469008.43	3819435.32	5.27E-06	2.21E-05	1.99E-06	4.39E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
6236	470089.39	3820548.29	5.30E-05	2.23E-04	2.01E-05	4.42E-05	1.64E-04	1.44E-05	5.01E-06	2.87E-05	3.42E-06	4.55E-06	1.50E-05	1.04E-06
6237	470099.09	3820548.43	5.28E-05	2.22E-04	2.00E-05	4.39E-05	1.63E-04	1.43E-05	4.98E-06	2.85E-05	3.40E-06	4.53E-06	1.49E-05	1.03E-06
6238	470108.78	3820548.56	5.24E-05	2.20E-04	1.98E-05	4.37E-05	1.62E-04	1.42E-05	4.95E-06	2.84E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
6239	470118.48	3820548.7	5.21E-05	2.19E-04	1.97E-05	4.34E-05	1.61E-04	1.41E-05	4.92E-06	2.82E-05	3.36E-06	4.47E-06	1.47E-05	1.02E-06
6240	470128.18	3820548.83	5.17E-05	2.17E-04	1.96E-05	4.31E-05	1.60E-04	1.40E-05	4.89E-06	2.80E-05	3.34E-06	4.44E-06	1.46E-05	1.01E-06
6241	470137.87	3820548.97	5.14E-05	2.16E-04	1.94E-05	4.28E-05	1.58E-04	1.39E-05	4.85E-06	2.78E-05	3.31E-06	4.41E-06	1.45E-05	1.00E-06
6242	470147.57	3820549.1	5.10E-05	2.14E-04	1.93E-05	4.24E-05	1.57E-04	1.38E-05	4.81E-06	2.76E-05	3.29E-06	4.38E-06	1.44E-05	9.94E-07
6243	470157.27	3820549.24	5.06E-05	2.12E-04	1.91E-05	4.21E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.26E-06	4.34E-06	1.43E-05	9.86E-07
6244	470166.97	3820549.37	5.01E-05	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.73E-06	2.71E-05	3.23E-06	4.30E-06	1.42E-05	9.78E-07
6245	470176.66	3820549.51	4.97E-05	2.09E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.69E-06	2.69E-05	3.21E-06	4.27E-06	1.41E-05	9.70E-07
6246	470186.36	3820549.64	4.93E-05	2.07E-04	1.86E-05	4.10E-05	1.52E-04	1.34E-05	4.65E-06	2.66E-05	3.18E-06	4.23E-06	1.39E-05	9.61E-07
6247	470196.06	3820549.78	4.88E-05	2.05E-04	1.85E-05	4.07E-05	1.51E-04	1.32E-05	4.61E-06	2.64E-05	3.15E-06	4.19E-06	1.38E-05	9.52E-07
6248	470205.75	3820549.91	4.84E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.57E-06	2.61E-05	3.12E-06	4.15E-06	1.37E-05	9.43E-07
6249	470215.45	3820550.05	4.79E-05	2.01E-04	1.81E-05	3.99E-05	1.48E-04	1.30E-05	4.52E-06	2.59E-05	3.09E-06	4.11E-06	1.36E-05	9.35E-07
6250	470225.15	3820550.18	4.74E-05	1.99E-04	1.79E-05	3.95E-05	1.46E-04	1.29E-05	4.48E-06	2.56E-05	3.06E-06	4.07E-06	1.34E-05	9.26E-07
6251	470234.85	3820550.32	4.70E-05	1.97E-04	1.78E-05	3.91E-05	1.45E-04	1.28E-05	4.44E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.17E-07
6252	470244.54	3820550.45	4.65E-05	1.95E-04	1.76E-05	3.88E-05	1.44E-04	1.26E-05	4.40E-06	2.52E-05	3.00E-06	4.00E-06	1.32E-05	9.08E-07
6253	470254.24	3820550.59	4.61E-05	1.94E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.96E-06	1.31E-05	9.00E-07
6254	470263.94	3820550.72	4.57E-05	1.92E-04	1.73E-05	3.80E-05	1.41E-04	1.24E-05	4.31E-06	2.47E-05	2.95E-06	3.92E-06	1.29E-05	8.91E-07
6255	470079.42	3820624.46	4.78E-05	2.01E-04	1.81E-05	3.98E-05	1.47E-04	1.30E-05	4.51E-06	2.58E-05	3.08E-06	4.10E-06	1.35E-05	9.32E-07
6256	470070.57	3820620.63	4.82E-05	2.02E-04	1.82E-05	4.02E-05	1.49E-04	1.31E-05	4.55E-06	2.61E-05	3.11E-06	4.14E-06	1.36E-05	9.41E-07
6257	470061.72	3820616.8	4.87E-05	2.04E-04	1.84E-05	4.05E-05	1.50E-04	1.32E-05	4.59E-06	2.63E-05	3.14E-06	4.18E-06	1.38E-05	9.49E-07
6258	470052.87	3820612.98	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.17E-06	4.21E-06	1.39E-05	9.58E-07
6259	470044.02	3820609.15	4.95E-05	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.68E-05	3.19E-06	4.25E-06	1.40E-05	9.66E-07
6260	470035.17	3820605.32	4.99E-05	2.09E-04	1.89E-05	4.15E-05	1.54E-04	1.35E-05	4.71E-06	2.70E-05	3.22E-06	4.28E-06	1.41E-05	9.73E-07
6261	470026.32	3820601.49	5.02E-05	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.74E-06	2.72E-05	3.24E-06	4.31E-06	1.42E-05	9.80E-07
6262	470017.47	3820597.67	5.06E-05	2.12E-04	1.91E-05	4.21E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.26E-06	4.34E-06	1.43E-05	9.87E-07
6263	470008.61	3820593.84	5.09E-05	2.14E-04	1.92E-05	4.24E-05	1.57E-04	1.38E-05	4.81E-06	2.75E-05	3.28E-06	4.37E-06	1.44E-05	9.93E-07
6264	469999.76	3820590.01	5.12E-05	2.15E-04	1.94E-05	4.26E-05	1.58E-04	1.39E-05	4.83E-06	2.77E-05	3.30E-06	4.39E-06	1.45E-05	9.99E-07
6265	469990.91	3820586.18	5.15E-05	2.16E-04	1.95E-05	4.29E-05	1.59E-04	1.40E-05	4.86E-06	2.78E-05	3.32E-06	4.42E-06	1.46E-05	1.00E-06
6266	469982.06	3820582.36	5.17E-05	2.17E-04	1.95E-05	4.31E-05	1.60E-04	1.40E-05	4.88E-06	2.79E-05	3.33E-06	4.44E-06	1.46E-05	1.01E-06
6267	469973.21	3820578.53	5.19E-05	2.18E-04	1.96E-05	4.32E-05	1.60E-04	1.41E-05	4.90E-06	2.81E-05	3.35E-06	4.46E-06	1.47E-05	1.01E-06
6268	469964.36	3820574.7	5.21E-05	2.19E-04	1.97E-05	4.34E-05	1.61E-04	1.41E-05	4.92E-06	2.82E-05	3.36E-06	4.47E-06	1.47E-05	1.02E-06
6269	469955.51	3820570.87	5.22E-05	2.19E-04	1.97E-05	4.35E-05	1.61E-04	1.42E-05	4.93E-06	2.82E-05	3.37E-06	4.48E-06	1.48E-05	1.02E-06
6270	469946.66	3820567.05	5.23E-05	2.20E-04	1.98E-05	4.36E-05	1.61E-04	1.42E-05	4.94E-06	2.83E-05	3.38E-06	4.49E-06	1.48E-05	1.02E-06
6271	469937.81	3820563.22	5.24E-05	2.20E-04	1.98E-05	4.37E-05	1.62E-04	1.42E-05	4.95E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
6272	469928.96	3820559.39	5.25E-05	2.20E-04	1.98E-05	4.37E-05	1.62E-04	1.42E-05	4.96E-06	2.84E-05	3.38E-06	4.50E-06	1.49E-05	1.02E-06
6273	469920.1	3820555.56	5.25E-05	2.20E-04	1.99E-05	4.37E-05	1.62E-04	1.42E-05	4.96E-06	2.84E-05	3.39E-06	4.51E-06	1.49E-05	1.02E-06
6274	469911.25	3820551.74	5.25E-05	2.20E-04	1.98E-05	4.37E-05	1.62E-04	1.42E-05	4.96E-06	2.84E-05	3.39E-06	4.51E-06	1.49E-05	1.02E-06

6275	469902.4	3820547.91	5.24E-05	2.20E-04	1.98E-05	4.37E-05	1.62E-04	1.42E-05	4.95E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
6276	469893.55	3820544.08	5.24E-05	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.94E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
6277	469884.7	3820540.25	5.23E-05	2.19E-04	1.98E-05	4.35E-05	1.61E-04	1.42E-05	4.93E-06	2.83E-05	3.37E-06	4.49E-06	1.48E-05	1.02E-06
6278	469875.85	3820536.43	5.21E-05	2.19E-04	1.97E-05	4.34E-05	1.61E-04	1.41E-05	4.92E-06	2.82E-05	3.36E-06	4.47E-06	1.48E-05	1.02E-06
6279	469867	3820532.6	5.20E-05	2.18E-04	1.96E-05	4.33E-05	1.60E-04	1.41E-05	4.91E-06	2.81E-05	3.35E-06	4.46E-06	1.47E-05	1.01E-06
6280	469858.15	3820528.77	5.18E-05	2.17E-04	1.96E-05	4.31E-05	1.60E-04	1.41E-05	4.89E-06	2.80E-05	3.34E-06	4.44E-06	1.47E-05	1.01E-06
6281	469849.3	3820524.94	5.15E-05	2.16E-04	1.95E-05	4.29E-05	1.59E-04	1.40E-05	4.87E-06	2.79E-05	3.32E-06	4.42E-06	1.46E-05	1.01E-06
6282	469840.44	3820521.12	5.13E-05	2.15E-04	1.94E-05	4.27E-05	1.58E-04	1.39E-05	4.84E-06	2.77E-05	3.31E-06	4.40E-06	1.45E-05	1.00E-06
6283	469831.59	3820517.29	5.11E-05	2.14E-04	1.93E-05	4.25E-05	1.58E-04	1.39E-05	4.82E-06	2.76E-05	3.29E-06	4.38E-06	1.45E-05	9.96E-07
6284	469822.74	3820513.46	5.08E-05	2.13E-04	1.92E-05	4.23E-05	1.57E-04	1.38E-05	4.79E-06	2.74E-05	3.27E-06	4.36E-06	1.44E-05	9.91E-07
6285	469813.89	3820509.64	5.05E-05	2.12E-04	1.91E-05	4.20E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.26E-06	4.33E-06	1.43E-05	9.85E-07
6286	469805.04	3820505.81	5.02E-05	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.74E-06	2.71E-05	3.23E-06	4.31E-06	1.42E-05	9.79E-07
6287	469796.19	3820501.98	4.98E-05	2.09E-04	1.88E-05	4.15E-05	1.54E-04	1.35E-05	4.70E-06	2.69E-05	3.21E-06	4.28E-06	1.41E-05	9.72E-07
6288	469787.34	3820498.15	4.95E-05	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.67E-05	3.19E-06	4.25E-06	1.40E-05	9.65E-07
6289	469778.49	3820494.33	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.52E-04	1.33E-05	4.64E-06	2.65E-05	3.17E-06	4.21E-06	1.39E-05	9.58E-07
6290	469769.64	3820490.5	4.87E-05	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.60E-06	2.63E-05	3.14E-06	4.18E-06	1.38E-05	9.51E-07
6291	469760.79	3820486.67	4.83E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.56E-06	2.61E-05	3.12E-06	4.15E-06	1.37E-05	9.43E-07
6292	469751.93	3820482.84	4.79E-05	2.01E-04	1.81E-05	3.99E-05	1.48E-04	1.30E-05	4.53E-06	2.59E-05	3.09E-06	4.12E-06	1.36E-05	9.35E-07
6293	469743.08	3820479.02	4.75E-05	2.00E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.49E-06	2.57E-05	3.07E-06	4.08E-06	1.35E-05	9.28E-07
6294	469734.23	3820475.19	4.71E-05	1.98E-04	1.78E-05	3.93E-05	1.45E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.05E-06	1.33E-05	9.20E-07
6295	469725.38	3820471.36	4.67E-05	1.96E-04	1.77E-05	3.89E-05	1.44E-04	1.27E-05	4.41E-06	2.53E-05	3.01E-06	4.01E-06	1.32E-05	9.12E-07
6296	469716.53	3820467.53	4.63E-05	1.94E-04	1.75E-05	3.86E-05	1.43E-04	1.26E-05	4.37E-06	2.50E-05	2.99E-06	3.97E-06	1.31E-05	9.03E-07
6297	469707.68	3820463.71	4.59E-05	1.93E-04	1.74E-05	3.82E-05	1.42E-04	1.25E-05	4.33E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.95E-07
6298	469698.83	3820459.88	4.55E-05	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.23E-05	4.29E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.87E-07
6299	469610.32	3820421.6	4.15E-05	1.74E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.92E-06	2.24E-05	2.68E-06	3.56E-06	1.18E-05	8.10E-07
6300	469601.47	3820417.78	4.12E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.03E-07
6301	469592.62	3820413.95	4.08E-05	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.21E-05	2.63E-06	3.50E-06	1.15E-05	7.96E-07
6302	469583.76	3820410.12	4.04E-05	1.70E-04	1.53E-05	3.37E-05	1.25E-04	1.10E-05	3.82E-06	2.19E-05	2.61E-06	3.47E-06	1.14E-05	7.89E-07
6303	469574.91	3820406.29	4.01E-05	1.68E-04	1.52E-05	3.34E-05	1.24E-04	1.09E-05	3.79E-06	2.17E-05	2.59E-06	3.44E-06	1.14E-05	7.82E-07
6304	469566.06	3820402.47	3.98E-05	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.75E-06	2.15E-05	2.56E-06	3.41E-06	1.13E-05	7.76E-07
6305	469557.21	3820398.64	3.94E-05	1.66E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.39E-06	1.12E-05	7.69E-07
6306	469548.36	3820394.81	3.91E-05	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.36E-06	1.11E-05	7.63E-07
6307	469539.51	3820390.98	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
6308	469530.66	3820387.16	3.85E-05	1.62E-04	1.46E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.51E-07
6309	469521.81	3820383.33	3.82E-05	1.60E-04	1.44E-05	3.18E-05	1.18E-04	1.04E-05	3.60E-06	2.06E-05	2.46E-06	3.28E-06	1.08E-05	7.45E-07
6310	469512.96	3820379.5	3.79E-05	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.44E-06	3.25E-06	1.07E-05	7.39E-07
6311	469504.1	3820375.67	3.76E-05	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.33E-07
6312	469495.25	3820371.85	3.73E-05	1.57E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.52E-06	2.01E-05	2.40E-06	3.20E-06	1.05E-05	7.27E-07
6313	469486.4	3820368.02	3.70E-05	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.49E-06	2.00E-05	2.38E-06	3.17E-06	1.05E-05	7.21E-07
6314	469477.55	3820364.19	3.67E-05	1.54E-04	1.39E-05	3.05E-05	1.13E-04	9.96E-06	3.46E-06	1.98E-05	2.37E-06	3.15E-06	1.04E-05	7.16E-07
6315	469468.7	3820360.37	3.64E-05	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.88E-06	3.44E-06	1.97E-05	2.35E-06	3.12E-06	1.03E-05	7.10E-07
6316	469459.85	3820356.54	3.61E-05	1.52E-04	1.36E-05	3.01E-05	1.11E-04	9.80E-06	3.41E-06	1.95E-05	2.33E-06	3.10E-06	1.02E-05	7.04E-07
6317	469451	3820352.71	3.58E-05	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.72E-06	3.38E-06	1.94E-05	2.31E-06	3.07E-06	1.01E-05	6.98E-07
6318	469442.15	3820348.88	3.55E-05	1.49E-04	1.34E-05	2.96E-05	1.10E-04	9.64E-06	3.35E-06	1.92E-05	2.29E-06	3.05E-06	1.00E-05	6.93E-07
6319	469433.3	3820345.06	3.52E-05	1.48E-04	1.33E-05	2.93E-05	1.09E-04	9.56E-06	3.32E-06	1.90E-05	2.27E-06	3.02E-06	9.96E-06	6.87E-07
6320	469424.45	3820341.23	3.49E-05	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.48E-06	3.30E-06	1.89E-05	2.25E-06	3.00E-06	9.88E-06	6.81E-07
6321	469415.59	3820337.4	3.46E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.39E-06	3.27E-06	1.87E-05	2.23E-06	2.97E-06	9.80E-06	6.75E-07
6322	469406.74	3820333.57	3.43E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.31E-06	3.24E-06	1.85E-05	2.21E-06	2.94E-06	9.71E-06	6.69E-07
6323	469397.89	3820329.75	3.40E-05	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.23E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.62E-06	6.63E-07
6324	469389.04	3820325.92	3.37E-05	1.42E-04	1.27E-05	2.81E-05	1.04E-04	9.15E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.54E-06	6.57E-07
6325	469380.19	3820322.09	3.34E-05	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.06E-06	3.15E-06	1.80E-05	2.15E-06	2.87E-06	9.45E-06	6.51E-07
6326	469371.34	3820318.26	3.31E-05	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.98E-06	3.12E-06	1.79E-05	2.13E-06	2.84E-06	9.36E-06	6.45E-07
6327	469362.49	3820314.44	3.27E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.89E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.27E-06	6.39E-07
6328	469353.64	3820310.61	3.24E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.18E-06	6.33E-07
6329	469344.79	3820306.78	3.21E-05	1.35E-04	1.21E-05	2.67E-05	9.90E-05	8.71E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.08E-06	6.26E-07
6330	469335.93	3820302.95	3.18E-05	1.33E-04	1.20E-05	2.64E-05	9.80E-05	8.62E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	8.99E-06	6.20E-07
6331	469327.08	3820299.13	3.14E-05	1.32E-04	1.19E-05	2.62E-05	9.69E-05	8.53E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.89E-06	6.13E-07
6332	469318.23	3820295.3	3.11E-05	1.30E-04	1.17E-05	2.59E-05	9.59E-05	8.43E-06	2.93E-06	1.68E-05	2.00E-06	2.67E-06	8.79E-06	6.06E-07
6333	469309.38	3820291.47	3.07E-05	1.29E-04	1.16E-05	2.56E-05	9.48E-05	8.34E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.70E-06	5.99E-07
6334	469300.53	3820287.64	3.04E-05	1.28E-04	1.15E-05	2.53E-05	9.37E-05	8.24E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.60E-06	5.92E-07
6335	469291.68	3820283.82	3.00E-05	1.26E-04	1.13E-05	2.50E-05	9.26E-05	8.15E-06	2.83E-06	1.62E-05	1.94E-06	2.58E-06	8.49E-06	5.86E-07
6336	469265.13	3820272.33	2.89E-05	1.21E-04	1.09E-05	2.41E-05	8.92E-05	7.85E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.18E-06	5.64E-07
6337	469252.75	3820259.53	2.84E-05	1.19E-04	1.08E-05	2.37E-05	8.77E-05	7.72E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
6338	469249.23	3820250.56	2.83E-05	1.19E-04	1.07E-05	2.36E-05	8.74E-05	7.69E-06	2.67E-06	1.53E-05	1.83E-06	2.43E-06	8.02E-06	5.53E-07
6339	469245.7	3820241.58	2.82E-05	1.18E-04	1.07E-05	2.35E-05	8.70E-05	7.65E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
6340	469242.18	3820232.6	2.81E-05	1.18E-04	1.06E-05	2.34E-05	8.66E-05	7.62E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.94E-06	5.48E-07
6341	469238.65	3820223.63	2.79E-05	1.17E-04	1.06E-05	2.33E-05	8.62E-05	7.58E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.90E-06	5.45E-07
6342	469235.13	3820214.65	2.78E-05	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
6343	469231.6	3820205.68	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.52E-05	7.49E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.81E-06	5.38E-07
6344	469228.08	3820196.7	2.74E-05	1.15E-04	1.04E-05	2.28E-05	8.46E-05	7.44E-06	2.59E-06	1.48E-05	1.77E-06	2.35E-06	7.76E-06	5.35E-07
6345	469224.55	3820187.72	2.72E-05	1.14E-04	1.03E-05	2.27E-05	8.40E-05	7.39E-06	2.57E-06	1.47E-05	1.76E-06	2.34E-06	7.71E-06	5.31E-07
6346	469221.03	3820178.75	2.70E-05	1.14E-04	1.02E-05	2.25E-05	8.34E-05	7.34E-06	2.55E-06	1.46E-05	1.74E-06	2.32E-06	7.65E-06	5.28E-07
6347	469217.5	3820169.77	2.68E-05	1.13E-04	1.01E-05	2.23E-05	8.28E-05	7.28E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.59E-06	5.23E-07

6348	469213.98	3820160.8	2.66E-05	1.12E-04	1.01E-05	2.22E-05	8.21E-05	7.22E-06	2.51E-06	1.44E-05	1.72E-06	2.28E-06	7.53E-06	5.19E-07
6349	469210.45	3820151.82	2.64E-05	1.11E-04	9.98E-06	2.20E-05	8.14E-05	7.16E-06	2.49E-06	1.43E-05	1.70E-06	2.26E-06	7.47E-06	5.15E-07
6350	469206.93	3820142.85	2.61E-05	1.10E-04	9.89E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.24E-06	7.40E-06	5.10E-07
6351	469203.4	3820133.87	2.59E-05	1.09E-04	9.79E-06	2.16E-05	7.99E-05	7.03E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.33E-06	5.05E-07
6352	469199.88	3820124.89	2.56E-05	1.08E-04	9.69E-06	2.13E-05	7.91E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.25E-06	5.00E-07
6353	469196.35	3820115.92	2.54E-05	1.06E-04	9.59E-06	2.11E-05	7.82E-05	6.88E-06	2.39E-06	1.37E-05	1.64E-06	2.18E-06	7.18E-06	4.95E-07
6354	469192.83	3820106.94	2.51E-05	1.05E-04	9.48E-06	2.09E-05	7.74E-05	6.81E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.89E-07
6355	469189.3	3820097.97	2.48E-05	1.04E-04	9.37E-06	2.06E-05	7.65E-05	6.73E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.02E-06	4.84E-07
6356	469185.78	3820088.99	2.45E-05	1.03E-04	9.26E-06	2.04E-05	7.56E-05	6.65E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.93E-06	4.78E-07
6357	469182.25	3820080.01	2.42E-05	1.02E-04	9.15E-06	2.01E-05	7.46E-05	6.57E-06	2.28E-06	1.31E-05	1.56E-06	2.08E-06	6.85E-06	4.72E-07
6358	469178.73	3820071.04	2.39E-05	1.00E-04	9.03E-06	1.99E-05	7.37E-05	6.48E-06	2.25E-06	1.29E-05	1.54E-06	2.05E-06	6.76E-06	4.66E-07
6359	469175.2	3820062.06	2.36E-05	9.89E-05	8.91E-06	1.96E-05	7.27E-05	6.39E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.67E-06	4.60E-07
6360	469083.56	3819828.69	1.39E-05	5.84E-05	5.26E-06	1.16E-05	4.29E-05	3.77E-06	1.31E-06	7.51E-06	8.96E-07	1.19E-06	3.93E-06	2.71E-07
6361	469080.03	3819819.71	1.35E-05	5.68E-05	5.12E-06	1.13E-05	4.18E-05	3.67E-06	1.28E-06	7.32E-06	8.73E-07	1.16E-06	3.83E-06	2.64E-07
6362	469076.51	3819810.74	1.32E-05	5.54E-05	4.99E-06	1.10E-05	4.07E-05	3.58E-06	1.25E-06	7.13E-06	8.50E-07	1.13E-06	3.73E-06	2.57E-07
6363	469072.98	3819801.76	1.28E-05	5.39E-05	4.85E-06	1.07E-05	3.96E-05	3.48E-06	1.21E-06	6.94E-06	8.28E-07	1.10E-06	3.63E-06	2.50E-07
6364	469069.46	3819792.79	1.25E-05	5.25E-05	4.72E-06	1.04E-05	3.86E-05	3.39E-06	1.18E-06	6.75E-06	8.06E-07	1.07E-06	3.54E-06	2.44E-07
6365	469065.93	3819783.81	1.22E-05	5.11E-05	4.60E-06	1.01E-05	3.75E-05	3.30E-06	1.15E-06	6.57E-06	7.84E-07	1.04E-06	3.44E-06	2.37E-07
6366	469062.41	3819774.84	1.18E-05	4.97E-05	4.47E-06	9.85E-06	3.65E-05	3.21E-06	1.12E-06	6.39E-06	7.63E-07	1.02E-06	3.35E-06	2.31E-07
6367	469058.88	3819765.86	1.15E-05	4.83E-05	4.35E-06	9.58E-06	3.55E-05	3.12E-06	1.09E-06	6.22E-06	7.42E-07	9.88E-07	3.26E-06	2.25E-07
6368	469055.36	3819756.88	1.12E-05	4.70E-05	4.23E-06	9.32E-06	3.45E-05	3.04E-06	1.06E-06	6.05E-06	7.22E-07	9.61E-07	3.17E-06	2.18E-07
6369	469051.83	3819747.91	1.09E-05	4.57E-05	4.11E-06	9.06E-06	3.36E-05	2.95E-06	1.03E-06	5.88E-06	7.02E-07	9.34E-07	3.08E-06	2.12E-07
6370	469048.31	3819738.93	1.06E-05	4.44E-05	4.00E-06	8.80E-06	3.26E-05	2.87E-06	9.98E-07	5.71E-06	6.82E-07	9.07E-07	2.99E-06	2.06E-07
6371	469044.78	3819729.96	1.03E-05	4.31E-05	3.88E-06	8.56E-06	3.17E-05	2.79E-06	9.70E-07	5.55E-06	6.62E-07	8.82E-07	2.91E-06	2.00E-07
6372	469041.26	3819720.98	9.98E-06	4.19E-05	3.77E-06	8.31E-06	3.08E-05	2.71E-06	9.42E-07	5.39E-06	6.44E-07	8.57E-07	2.82E-06	1.95E-07
6373	469037.73	3819712	9.69E-06	4.07E-05	3.67E-06	8.07E-06	2.99E-05	2.63E-06	9.15E-07	5.24E-06	6.25E-07	8.32E-07	2.74E-06	1.89E-07
6374	469034.21	3819703.03	9.42E-06	3.96E-05	3.56E-06	7.85E-06	2.91E-05	2.56E-06	8.90E-07	5.09E-06	6.08E-07	8.09E-07	2.67E-06	1.84E-07
6375	469030.68	3819694.05	9.16E-06	3.85E-05	3.46E-06	7.63E-06	2.83E-05	2.49E-06	8.65E-07	4.95E-06	5.91E-07	7.86E-07	2.59E-06	1.79E-07
6376	469027.16	3819685.08	8.90E-06	3.74E-05	3.37E-06	7.42E-06	2.75E-05	2.42E-06	8.41E-07	4.81E-06	5.74E-07	7.64E-07	2.52E-06	1.74E-07
6377	469023.63	3819676.1	8.66E-06	3.64E-05	3.27E-06	7.21E-06	2.67E-05	2.35E-06	8.18E-07	4.68E-06	5.59E-07	7.43E-07	2.45E-06	1.69E-07
6378	469020.11	3819667.13	8.42E-06	3.54E-05	3.18E-06	7.01E-06	2.60E-05	2.29E-06	7.95E-07	4.55E-06	5.43E-07	7.23E-07	2.38E-06	1.64E-07
6379	469016.58	3819658.15	8.19E-06	3.44E-05	3.10E-06	6.82E-06	2.53E-05	2.22E-06	7.73E-07	4.43E-06	5.28E-07	7.03E-07	2.32E-06	1.60E-07
6380	469013.06	3819649.17	7.97E-06	3.35E-05	3.01E-06	6.64E-06	2.46E-05	2.16E-06	7.52E-07	4.31E-06	5.14E-07	6.84E-07	2.25E-06	1.55E-07
6381	469009.53	3819640.2	7.75E-06	3.25E-05	2.93E-06	6.45E-06	2.39E-05	2.10E-06	7.31E-07	4.19E-06	5.00E-07	6.65E-07	2.19E-06	1.51E-07
6382	469006.01	3819631.22	7.53E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.11E-07	4.07E-06	4.86E-07	6.47E-07	2.13E-06	1.47E-07
6383	469002.48	3819622.25	7.33E-06	3.08E-05	2.77E-06	6.10E-06	2.26E-05	1.99E-06	6.92E-07	3.96E-06	4.73E-07	6.29E-07	2.07E-06	1.43E-07
6384	468998.96	3819613.27	7.13E-06	2.99E-05	2.70E-06	5.94E-06	2.20E-05	1.94E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
6385	468995.43	3819604.29	6.94E-06	2.92E-05	2.63E-06	5.78E-06	2.14E-05	1.88E-06	6.56E-07	3.75E-06	4.48E-07	5.96E-07	1.96E-06	1.35E-07
6386	468991.91	3819595.32	6.77E-06	2.84E-05	2.56E-06	5.64E-06	2.09E-05	1.84E-06	6.39E-07	3.66E-06	4.37E-07	5.81E-07	1.92E-06	1.32E-07
6387	468988.38	3819586.34	6.60E-06	2.77E-05	2.49E-06	5.49E-06	2.04E-05	1.79E-06	6.23E-07	3.57E-06	4.25E-07	5.66E-07	1.87E-06	1.29E-07
6388	468984.86	3819577.37	6.4317E-06	2.70E-05	2.43E-06	5.36E-06	1.98E-05	1.75E-06	6.07E-07	3.48E-06	4.15E-07	5.52E-07	1.82E-06	1.25E-07
6389	468981.33	3819568.39	6.2778E-06	2.64E-05	2.37E-06	5.23E-06	1.94E-05	1.70E-06	5.93E-07	3.39E-06	4.05E-07	5.39E-07	1.78E-06	1.22E-07
6390	468977.81	3819559.42	6.1238E-06	2.57E-05	2.32E-06	5.10E-06	1.89E-05	1.66E-06	5.78E-07	3.31E-06	3.95E-07	5.26E-07	1.73E-06	1.19E-07
6391	468974.28	3819550.44	5.9795E-06	2.51E-05	2.26E-06	4.98E-06	1.85E-05	1.62E-06	5.65E-07	3.23E-06	3.86E-07	5.13E-07	1.69E-06	1.17E-07
6392	468970.76	3819541.46	5.8448E-06	2.45E-05	2.21E-06	4.87E-06	1.80E-05	1.59E-06	5.52E-07	3.16E-06	3.77E-07	5.02E-07	1.65E-06	1.14E-07
6393	468967.24	3819532.49	5.7101E-06	2.40E-05	2.16E-06	4.76E-06	1.76E-05	1.55E-06	5.39E-07	3.09E-06	3.68E-07	4.90E-07	1.62E-06	1.11E-07
6394	468963.71	3819523.51	5.5803E-06	2.34E-05	2.11E-06	4.65E-06	1.72E-05	1.51E-06	5.27E-07	3.02E-06	3.60E-07	4.79E-07	1.58E-06	1.09E-07
6395	468960.19	3819514.54	5.4552E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.15E-07	2.95E-06	3.52E-07	4.68E-07	1.54E-06	1.06E-07
6396	468956.66	3819505.56	5.3349E-06	2.24E-05	2.02E-06	4.44E-06	1.65E-05	1.45E-06	5.04E-07	2.88E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
6397	468953.14	3819496.58	5.2195E-06	2.19E-05	1.97E-06	4.35E-06	1.61E-05	1.42E-06	4.93E-07	2.82E-06	3.37E-07	4.48E-07	1.48E-06	1.02E-07
6398	468949.61	3819487.61	5.1136E-06	2.15E-05	1.93E-06	4.26E-06	1.58E-05	1.39E-06	4.83E-07	2.76E-06	3.30E-07	4.39E-07	1.45E-06	9.98E-08
6399	468946.09	3819478.63	5.0078E-06	2.10E-05	1.89E-06	4.17E-06	1.55E-05	1.36E-06	4.73E-07	2.71E-06	3.23E-07	4.30E-07	1.42E-06	9.77E-08
6400	468942.56	3819469.66	4.9116E-06	2.06E-05	1.86E-06	4.09E-06	1.52E-05	1.33E-06	4.64E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.58E-08
6401	468939.04	3819460.68	4.6422E-06	1.95E-05	1.76E-06	3.87E-06	1.43E-05	1.26E-06	4.38E-07	2.51E-06	2.99E-07	3.99E-07	1.31E-06	9.06E-08
6402	468935.51	3819451.71	0.00000457	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.92E-07	1.29E-06	8.92E-08
6403	468931.99	3819442.73	4.5075E-06	1.89E-05	1.70E-06	3.75E-06	1.39E-05	1.22E-06	4.26E-07	2.44E-06	2.91E-07	3.87E-07	1.28E-06	8.80E-08
6404	468928.46	3819433.75	0.000004445	1.87E-05	1.68E-06	3.70E-06	1.37E-05	1.21E-06	4.20E-07	2.40E-06	2.87E-07	3.82E-07	1.26E-06	8.67E-08
6405	470088.27	3820628.29	0.000047259	1.98E-04	1.79E-05	3.94E-05	1.46E-04	1.28E-05	4.46E-06	2.55E-05	3.05E-06	4.06E-06	1.34E-05	9.22E-07
6406	470097.97	3820628.42	0.00004697	1.97E-04	1.78E-05	3.91E-05	1.45E-04	1.28E-05	4.44E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.17E-07
6407	470107.67	3820628.56	0.000046653	1.96E-04	1.76E-05	3.89E-05	1.44E-04	1.27E-05	4.41E-06	2.52E-05	3.01E-06	4.01E-06	1.32E-05	9.10E-07
6408	470117.37	3820628.69	0.00004634	1.95E-04	1.75E-05	3.86E-05	1.43E-04	1.26E-05	4.38E-06	2.51E-05	2.99E-06	3.98E-06	1.31E-05	9.04E-07
6409	470127.06	3820628.83	0.000046013	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.95E-06	1.30E-05	8.98E-07
6410	470136.76	3820628.96	0.000045671	1.92E-04	1.73E-05	3.80E-05	1.41E-04	1.24E-05	4.31E-06	2.47E-05	2.95E-06	3.92E-06	1.29E-05	8.91E-07
6411	470146.46	3820629.1	0.000045316	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.92E-06	3.89E-06	1.28E-05	8.84E-07
6412	470156.15	3820629.23	0.000044955	1.89E-04	1.70E-05	3.74E-05	1.39E-04	1.22E-05	4.25E-06	2.43E-05	2.90E-06	3.86E-06	1.27E-05	8.77E-07
6413	470165.85	3820629.37	0.000044579	1.87E-04	1.69E-05	3.71E-05	1.38E-04	1.21E-05	4.21E-06	2.41E-05	2.88E-06	3.83E-06	1.26E-05	8.70E-07
6414	470175.55	3820629.5	0.000044199	1.86E-04	1.67E-05	3.68E-05	1.36E-04	1.20E-05	4.17E-06	2.39E-05	2.85E-06	3.79E-06	1.25E-05	8.62E-07
6415	470185.25	3820629.64	0.00004381	1.84E-04	1.66E-05	3.65E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.76E-06	1.24E-05	8.55E-07
6416	470194.94	3820629.77	0.00004342	1.82E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.47E-07
6417	470204.64	3820629.91	0.000043026	1.81E-04	1.63E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.33E-05	2.78E-06	3.69E-06	1.22E-05	8.40E-07
6418	470214.34	3820630.04	0.000042631	1.79E-04	1.61E-05	3.55E-05	1.32E-04	1.16E-05	4.03E-06	2.30E-05	2.75E-06	3.66E-06	1.21E-05	8.32E-07
6419	470224.04	3820630.18	0.000042237	1.77E-04	1.60E-05	3.52E-05	1.30E-04	1.15E-05	3.99E-06	2.28E-05	2.72E-06	3.63E-06	1.20E-05	8.24E-07
6420	470233.73	3820630.31	0.000041847	1.76E-04	1.58E-05	3.49E-05	1.29E-04	1.14E-05	3.95E-06	2.26E-05	2.70E-06	3.59E-06	1.18E-05	8.17E-07

6421	470243.43	3820630.45	0.000041462	1.74E-04	1.57E-05	3.45E-05	1.28E-04	1.13E-05	3.92E-06	2.24E-05	2.67E-06	3.56E-06	1.17E-05	8.09E-07
6422	470253.13	3820630.58	0.000041077	1.73E-04	1.55E-05	3.42E-05	1.27E-04	1.12E-05	3.88E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.02E-07
6423	470262.82	3820630.72	0.000040707	1.71E-04	1.54E-05	3.39E-05	1.26E-04	1.11E-05	3.84E-06	2.20E-05	2.63E-06	3.49E-06	1.15E-05	7.94E-07
6424	470078.28	3820704.44	0.000042867	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.76E-06	3.68E-06	1.21E-05	8.36E-07
6425	470069.39	3820700.59	0.0000433	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.09E-06	2.34E-05	2.79E-06	3.72E-06	1.23E-05	8.45E-07
6426	470060.51	3820696.75	0.000043714	1.84E-04	1.65E-05	3.64E-05	1.35E-04	1.19E-05	4.13E-06	2.36E-05	2.82E-06	3.75E-06	1.24E-05	8.53E-07
6427	470051.62	3820692.91	0.000044113	1.85E-04	1.67E-05	3.67E-05	1.36E-04	1.20E-05	4.17E-06	2.38E-05	2.85E-06	3.79E-06	1.25E-05	8.61E-07
6428	470042.74	3820689.07	0.000044478	1.87E-04	1.68E-05	3.70E-05	1.37E-04	1.21E-05	4.20E-06	2.40E-05	2.87E-06	3.82E-06	1.26E-05	8.68E-07
6429	470033.86	3820685.23	0.00004483	1.88E-04	1.70E-05	3.73E-05	1.38E-04	1.22E-05	4.23E-06	2.42E-05	2.89E-06	3.85E-06	1.27E-05	8.75E-07
6430	470024.97	3820681.39	0.000045166	1.90E-04	1.71E-05	3.76E-05	1.39E-04	1.23E-05	4.27E-06	2.44E-05	2.91E-06	3.88E-06	1.28E-05	8.81E-07
6431	470016.09	3820677.54	0.000045489	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.23E-05	4.30E-06	2.46E-05	2.93E-06	3.91E-06	1.29E-05	8.88E-07
6432	470007.2	3820673.7	0.000045797	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.32E-06	2.48E-05	2.95E-06	3.93E-06	1.30E-05	8.94E-07
6433	469998.32	3820669.86	0.00004608	1.94E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.96E-06	1.30E-05	8.99E-07
6434	469989.44	3820666.02	0.00004634	1.95E-04	1.75E-05	3.86E-05	1.43E-04	1.26E-05	4.38E-06	2.51E-05	2.99E-06	3.98E-06	1.31E-05	9.04E-07
6435	469980.55	3820662.18	0.000046571	1.96E-04	1.76E-05	3.88E-05	1.44E-04	1.26E-05	4.40E-06	2.52E-05	3.00E-06	4.00E-06	1.32E-05	9.09E-07
6436	469971.67	3820658.34	0.000046778	1.96E-04	1.77E-05	3.90E-05	1.44E-04	1.27E-05	4.42E-06	2.53E-05	3.02E-06	4.02E-06	1.32E-05	9.13E-07
6437	469962.78	3820654.49	0.000046956	1.97E-04	1.78E-05	3.91E-05	1.45E-04	1.27E-05	4.43E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.16E-07
6438	469953.9	3820650.65	0.000047115	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.04E-06	1.33E-05	9.19E-07
6439	469945.02	3820646.81	0.00004724	1.98E-04	1.79E-05	3.93E-05	1.46E-04	1.28E-05	4.46E-06	2.55E-05	3.05E-06	4.06E-06	1.34E-05	9.22E-07
6440	469936.13	3820642.97	0.000047341	1.99E-04	1.79E-05	3.94E-05	1.46E-04	1.29E-05	4.47E-06	2.56E-05	3.05E-06	4.06E-06	1.34E-05	9.24E-07
6441	469927.25	3820639.13	0.000047418	1.99E-04	1.79E-05	3.95E-05	1.46E-04	1.29E-05	4.48E-06	2.56E-05	3.06E-06	4.07E-06	1.34E-05	9.25E-07
6442	469918.36	3820635.29	0.000047466	1.99E-04	1.80E-05	3.95E-05	1.46E-04	1.29E-05	4.48E-06	2.57E-05	3.06E-06	4.07E-06	1.34E-05	9.26E-07
6443	469909.48	3820631.44	0.000047495	1.99E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.49E-06	2.57E-05	3.06E-06	4.08E-06	1.34E-05	9.27E-07
6444	469900.6	3820627.6	0.0000475	1.99E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.49E-06	2.57E-05	3.06E-06	4.08E-06	1.34E-05	9.27E-07
6445	469891.71	3820623.76	0.000047471	1.99E-04	1.80E-05	3.95E-05	1.46E-04	1.29E-05	4.48E-06	2.57E-05	3.06E-06	4.08E-06	1.34E-05	9.26E-07
6446	469882.83	3820619.92	0.000047423	1.99E-04	1.79E-05	3.95E-05	1.46E-04	1.29E-05	4.48E-06	2.56E-05	3.06E-06	4.07E-06	1.34E-05	9.25E-07
6447	469873.94	3820616.08	0.000047346	1.99E-04	1.79E-05	3.94E-05	1.46E-04	1.29E-05	4.47E-06	2.56E-05	3.05E-06	4.06E-06	1.34E-05	9.24E-07
6448	469865.06	3820612.24	0.000047245	1.98E-04	1.79E-05	3.94E-05	1.46E-04	1.28E-05	4.46E-06	2.55E-05	3.05E-06	4.06E-06	1.34E-05	9.22E-07
6449	469856.18	3820608.39	0.000047119	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.05E-06	1.33E-05	9.19E-07
6450	469847.29	3820604.55	0.00004697	1.97E-04	1.78E-05	3.91E-05	1.45E-04	1.28E-05	4.44E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.17E-07
6451	469838.41	3820600.71	0.000046802	1.97E-04	1.77E-05	3.90E-05	1.44E-04	1.27E-05	4.42E-06	2.53E-05	3.02E-06	4.02E-06	1.32E-05	9.13E-07
6452	469829.52	3820596.87	0.0000466	1.96E-04	1.76E-05	3.88E-05	1.44E-04	1.27E-05	4.40E-06	2.52E-05	3.01E-06	4.00E-06	1.32E-05	9.09E-07
6453	469820.64	3820593.03	0.000046383	1.95E-04	1.75E-05	3.86E-05	1.43E-04	1.26E-05	4.38E-06	2.51E-05	2.99E-06	3.98E-06	1.31E-05	9.05E-07
6454	469811.75	3820589.19	0.000046148	1.94E-04	1.75E-05	3.84E-05	1.42E-04	1.25E-05	4.36E-06	2.49E-05	2.98E-06	3.96E-06	1.31E-05	9.00E-07
6455	469802.87	3820585.34	0.000045898	1.93E-04	1.74E-05	3.82E-05	1.42E-04	1.25E-05	4.33E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.96E-07
6456	469793.99	3820581.5	0.000045628	1.92E-04	1.73E-05	3.80E-05	1.41E-04	1.24E-05	4.31E-06	2.47E-05	2.94E-06	3.92E-06	1.29E-05	8.90E-07
6457	469785.1	3820577.66	0.000045344	1.90E-04	1.71E-05	3.78E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.92E-06	3.89E-06	1.28E-05	8.85E-07
6458	469776.22	3820573.82	0.000045046	1.89E-04	1.70E-05	3.75E-05	1.39E-04	1.22E-05	4.25E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.79E-07
6459	469767.33	3820569.98	0.000044738	1.88E-04	1.69E-05	3.73E-05	1.38E-04	1.21E-05	4.22E-06	2.42E-05	2.89E-06	3.84E-06	1.27E-05	8.73E-07
6460	469758.45	3820566.13	0.000044416	1.87E-04	1.68E-05	3.70E-05	1.37E-04	1.21E-05	4.19E-06	2.40E-05	2.86E-06	3.81E-06	1.26E-05	8.67E-07
6461	469749.57	3820562.29	0.000044089	1.85E-04	1.67E-05	3.67E-05	1.36E-04	1.20E-05	4.16E-06	2.38E-05	2.84E-06	3.78E-06	1.25E-05	8.60E-07
6462	469740.68	3820558.45	0.000043747	1.84E-04	1.65E-05	3.64E-05	1.35E-04	1.19E-05	4.13E-06	2.37E-05	2.82E-06	3.76E-06	1.24E-05	8.54E-07
6463	469731.8	3820554.61	0.000043401	1.82E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.47E-07
6464	469722.91	3820550.77	0.00004305	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.40E-07
6465	469714.03	3820546.93	0.000042699	1.79E-04	1.61E-05	3.56E-05	1.32E-04	1.16E-05	4.03E-06	2.31E-05	2.75E-06	3.67E-06	1.21E-05	8.33E-07
6466	469705.15	3820543.08	0.000042338	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.63E-06	1.20E-05	8.26E-07
6467	469696.26	3820539.24	0.000041977	1.76E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.96E-06	2.27E-05	2.71E-06	3.60E-06	1.19E-05	8.19E-07
6468	469607.42	3820500.83	0.000038432	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
6469	469598.54	3820496.98	0.0000381	1.60E-04	1.44E-05	3.17E-05	1.18E-04	1.03E-05	3.60E-06	2.06E-05	2.46E-06	3.27E-06	1.08E-05	7.43E-07
6470	469589.65	3820493.14	0.000037768	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.57E-06	2.04E-05	2.44E-06	3.24E-06	1.07E-05	7.37E-07
6471	469580.77	3820489.3	0.000037445	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.02E-05	2.42E-06	3.21E-06	1.06E-05	7.31E-07
6472	469571.89	3820485.46	0.000037123	1.56E-04	1.40E-05	3.09E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.39E-06	3.19E-06	1.05E-05	7.24E-07
6473	469563	3820481.62	0.000036815	1.55E-04	1.39E-05	3.07E-05	1.14E-04	9.99E-06	3.48E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.18E-07
6474	469554.12	3820477.78	0.000036517	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.91E-06	3.45E-06	1.97E-05	2.36E-06	3.13E-06	1.03E-05	7.13E-07
6475	469545.23	3820473.93	0.000036224	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.83E-06	3.42E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.07E-07
6476	469536.35	3820470.09	0.000035935	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.75E-06	3.39E-06	1.94E-05	2.32E-06	3.08E-06	1.02E-05	7.01E-07
6477	469527.46	3820466.25	0.000035651	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.68E-06	3.37E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.96E-07
6478	469518.58	3820462.41	0.000035377	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.60E-06	3.34E-06	1.91E-05	2.28E-06	3.04E-06	1.00E-05	6.90E-07
6479	469509.7	3820458.57	0.000035103	1.47E-04	1.33E-05	2.92E-05	1.08E-04	9.53E-06	3.31E-06	1.90E-05	2.26E-06	3.01E-06	9.94E-06	6.85E-07
6480	469500.81	3820454.73	0.000034838	1.46E-04	1.32E-05	2.90E-05	1.08E-04	9.46E-06	3.29E-06	1.88E-05	2.25E-06	2.99E-06	9.86E-06	6.80E-07
6481	469491.93	3820450.88	0.000034574	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.39E-06	3.26E-06	1.87E-05	2.23E-06	2.97E-06	9.79E-06	6.75E-07
6482	469483.04	3820447.04	0.000034319	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.32E-06	3.24E-06	1.86E-05	2.21E-06	2.95E-06	9.71E-06	6.70E-07
6483	469474.16	3820443.2	0.000034064	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.92E-06	9.64E-06	6.65E-07
6484	469465.28	3820439.36	0.000033813	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.18E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.57E-06	6.60E-07
6485	469456.39	3820435.52	0.000033563	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.11E-06	3.17E-06	1.81E-05	2.16E-06	2.88E-06	9.50E-06	6.55E-07
6486	469447.51	3820431.68	0.000033318	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.04E-06	3.15E-06	1.80E-05	2.15E-06	2.86E-06	9.43E-06	6.50E-07
6487	469438.62	3820427.83	0.000033073	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.98E-06	3.12E-06	1.79E-05	2.13E-06	2.84E-06	9.36E-06	6.45E-07
6488	469429.74	3820423.99	0.000032832	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.91E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.41E-07
6489	469420.86	3820420.15	0.000032592	1.37E-04	1.23E-05	2.71E-05	1.01E-04	8.85E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.23E-06	6.36E-07
6490	469411.97	3820416.31	0.000032351	1.36E-04	1.22E-05	2.69E-05	9.98E-05	8.78E-06	3.05E-06	1.75E-05	2.09E-06	2.78E-06	9.16E-06	6.31E-07
6491	469403.09	3820412.47	0.000032115	1.35E-04	1.21E-05	2.68E-05	9.91E-05	8.72E-06	3.03E-06	1.74E-05	2.07E-06	2.76E-06	9.09E-06	6.27E-07
6492	469394.2	3820408.62	0.000031875	1.34E-04	1.21E-05	2.66E-05	9.84E-05	8.65E-06	3.01E-06	1.72E-05	2.06E-06	2.74E-06	9.02E-06	6.22E-07
6493	469385.32	3820404.78	0.000031629	1.33E-04	1.20E-05	2.63E-05	9.76E-05	8.59E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.95E-06	6.17E-07

6494	469376.44	3820400.94	0.000031384	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.52E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
6495	469367.55	3820397.1	0.000031134	1.31E-04	1.18E-05	2.59E-05	9.61E-05	8.45E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.81E-06	6.08E-07
6496	469358.67	3820393.26	0.000030884	1.30E-04	1.17E-05	2.57E-05	9.53E-05	8.38E-06	2.92E-06	1.67E-05	1.99E-06	2.65E-06	8.74E-06	6.03E-07
6497	469349.78	3820389.42	0.000030629	1.29E-04	1.16E-05	2.55E-05	9.45E-05	8.31E-06	2.89E-06	1.66E-05	1.98E-06	2.63E-06	8.67E-06	5.98E-07
6498	469340.9	3820385.57	0.000030374	1.28E-04	1.15E-05	2.53E-05	9.37E-05	8.25E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.60E-06	5.93E-07
6499	469332.02	3820381.73	0.000030114	1.26E-04	1.14E-05	2.51E-05	9.29E-05	8.17E-06	2.84E-06	1.63E-05	1.94E-06	2.59E-06	8.52E-06	5.88E-07
6500	469323.13	3820377.89	0.00002985	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.93E-06	2.56E-06	8.45E-06	5.82E-07
6501	469314.25	3820374.05	0.00002958	1.24E-04	1.12E-05	2.46E-05	9.13E-05	8.03E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.37E-06	5.77E-07
6502	469305.36	3820370.21	0.000029306	1.23E-04	1.11E-05	2.44E-05	9.04E-05	7.96E-06	2.77E-06	1.58E-05	1.89E-06	2.52E-06	8.30E-06	5.72E-07
6503	469296.48	3820366.37	0.000029032	1.22E-04	1.10E-05	2.42E-05	8.96E-05	7.88E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.22E-06	5.67E-07
6504	469269.83	3820354.84	0.00002819	1.18E-04	1.07E-05	2.35E-05	8.70E-05	7.65E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
6505	469260.94	3820351	0.000027896	1.17E-04	1.06E-05	2.32E-05	8.61E-05	7.57E-06	2.63E-06	1.51E-05	1.80E-06	2.39E-06	7.90E-06	5.44E-07
6506	469252.06	3820347.16	0.000027603	1.16E-04	1.04E-05	2.30E-05	8.52E-05	7.49E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.81E-06	5.39E-07
6507	469243.18	3820343.32	0.0000273	1.15E-04	1.03E-05	2.27E-05	8.42E-05	7.41E-06	2.58E-06	1.48E-05	1.76E-06	2.34E-06	7.73E-06	5.33E-07
6508	469234.29	3820339.47	0.000026997	1.13E-04	1.02E-05	2.25E-05	8.33E-05	7.33E-06	2.55E-06	1.46E-05	1.74E-06	2.32E-06	7.64E-06	5.27E-07
6509	469225.41	3820335.63	0.000026684	1.12E-04	1.01E-05	2.22E-05	8.23E-05	7.24E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.55E-06	5.21E-07
6510	469216.52	3820331.79	0.000026372	1.11E-04	9.97E-06	2.20E-05	8.14E-05	7.16E-06	2.49E-06	1.43E-05	1.70E-06	2.26E-06	7.46E-06	5.15E-07
6511	469207.64	3820327.95	0.000026054	1.09E-04	9.85E-06	2.17E-05	8.04E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.37E-06	5.08E-07
6512	469195.22	3820315.1	0.00002565	1.08E-04	9.70E-06	2.14E-05	7.92E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.26E-06	5.01E-07
6513	469191.68	3820306.09	0.000025554	1.07E-04	9.66E-06	2.13E-05	7.89E-05	6.94E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.23E-06	4.99E-07
6514	469188.14	3820297.08	0.000025448	1.07E-04	9.62E-06	2.12E-05	7.85E-05	6.91E-06	2.40E-06	1.38E-05	1.64E-06	2.18E-06	7.20E-06	4.97E-07
6515	469184.6	3820288.07	0.000025332	1.06E-04	9.58E-06	2.11E-05	7.82E-05	6.88E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.17E-06	4.94E-07
6516	469181.06	3820279.06	0.000025207	1.06E-04	9.53E-06	2.10E-05	7.78E-05	6.84E-06	2.38E-06	1.36E-05	1.63E-06	2.16E-06	7.14E-06	4.92E-07
6517	469177.53	3820270.05	0.000025077	1.05E-04	9.48E-06	2.09E-05	7.74E-05	6.81E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.89E-07
6518	469173.99	3820261.04	0.000024933	1.05E-04	9.43E-06	2.08E-05	7.69E-05	6.77E-06	2.35E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.87E-07
6519	469170.45	3820252.03	0.000024784	1.04E-04	9.37E-06	2.06E-05	7.65E-05	6.73E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.02E-06	4.84E-07
6520	469166.91	3820243.02	0.00002462	1.03E-04	9.31E-06	2.05E-05	7.60E-05	6.68E-06	2.32E-06	1.33E-05	1.59E-06	2.11E-06	6.97E-06	4.80E-07
6521	469163.37	3820234.01	0.000024452	1.03E-04	9.25E-06	2.04E-05	7.55E-05	6.64E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.92E-06	4.77E-07
6522	469159.84	3820225	0.000024274	1.02E-04	9.18E-06	2.02E-05	7.49E-05	6.59E-06	2.29E-06	1.31E-05	1.57E-06	2.08E-06	6.87E-06	4.74E-07
6523	469156.3	3820216	0.000024086	1.01E-04	9.11E-06	2.01E-05	7.43E-05	6.54E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.82E-06	4.70E-07
6524	469152.76	3820206.99	0.000023894	1.00E-04	9.04E-06	1.99E-05	7.37E-05	6.49E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.76E-06	4.66E-07
6525	469149.22	3820197.98	0.000023692	9.95E-05	8.96E-06	1.97E-05	7.31E-05	6.43E-06	2.24E-06	1.28E-05	1.53E-06	2.03E-06	6.71E-06	4.62E-07
6526	469145.68	3820188.97	0.00002348	9.86E-05	8.88E-06	1.96E-05	7.25E-05	6.37E-06	2.22E-06	1.27E-05	1.51E-06	2.02E-06	6.65E-06	4.58E-07
6527	469142.15	3820179.96	0.000023259	9.77E-05	8.80E-06	1.94E-05	7.18E-05	6.31E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.58E-06	4.54E-07
6528	469138.61	3820170.95	0.000023033	9.67E-05	8.71E-06	1.92E-05	7.11E-05	6.25E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.52E-06	4.49E-07
6529	469135.07	3820161.94	0.000022792	9.57E-05	8.62E-06	1.90E-05	7.03E-05	6.19E-06	2.15E-06	1.23E-05	1.47E-06	1.96E-06	6.45E-06	4.45E-07
6530	469131.53	3820152.93	0.000022552	9.47E-05	8.53E-06	1.88E-05	6.96E-05	6.12E-06	2.13E-06	1.22E-05	1.45E-06	1.94E-06	6.38E-06	4.40E-07
6531	469127.99	3820143.92	0.000022302	9.37E-05	8.43E-06	1.86E-05	6.88E-05	6.05E-06	2.11E-06	1.21E-05	1.44E-06	1.91E-06	6.31E-06	4.35E-07
6532	469124.46	3820134.91	0.000022042	9.26E-05	8.34E-06	1.84E-05	6.80E-05	5.98E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.24E-06	4.30E-07
6533	469120.92	3820125.9	0.000021777	9.15E-05	8.24E-06	1.81E-05	6.72E-05	5.91E-06	2.06E-06	1.18E-05	1.40E-06	1.87E-06	6.16E-06	4.25E-07
6534	469117.38	3820116.89	0.000021508	9.03E-05	8.13E-06	1.79E-05	6.64E-05	5.84E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.09E-06	4.20E-07
6535	469113.84	3820107.88	0.000021229	8.92E-05	8.03E-06	1.77E-05	6.55E-05	5.76E-06	2.00E-06	1.15E-05	1.37E-06	1.82E-06	6.01E-06	4.14E-07
6536	469110.3	3820098.87	0.000020945	8.80E-05	7.92E-06	1.74E-05	6.46E-05	5.69E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
6537	469106.77	3820089.87	0.000020657	8.67E-05	7.81E-06	1.72E-05	6.37E-05	5.61E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.85E-06	4.03E-07
6538	469103.23	3820080.86	0.000020368	8.55E-05	7.70E-06	1.70E-05	6.29E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.77E-06	3.97E-07
6539	469099.69	3820071.85	0.00002007	8.43E-05	7.59E-06	1.67E-05	6.19E-05	5.45E-06	1.90E-06	1.08E-05	1.29E-06	1.72E-06	5.68E-06	3.92E-07
6540	469096.15	3820062.84	0.000019767	8.30E-05	7.48E-06	1.65E-05	6.10E-05	5.37E-06	1.87E-06	1.07E-05	1.27E-06	1.70E-06	5.60E-06	3.86E-07
6541	469074.92	3820008.78	0.000017871	7.51E-05	6.76E-06	1.49E-05	5.51E-05	4.85E-06	1.69E-06	9.66E-06	1.15E-06	1.53E-06	5.06E-06	3.49E-07
6542	469071.39	3819999.77	0.000017544	7.37E-05	6.64E-06	1.46E-05	5.41E-05	4.76E-06	1.66E-06	9.48E-06	1.13E-06	1.51E-06	4.97E-06	3.42E-07
6543	469067.85	3819990.76	0.000017217	7.23E-05	6.51E-06	1.43E-05	5.31E-05	4.67E-06	1.63E-06	9.31E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
6544	469064.31	3819981.75	0.000016875	7.09E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
6545	469060.77	3819972.74	0.000016534	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.49E-06	1.56E-06	8.94E-06	1.07E-06	1.42E-06	4.68E-06	3.23E-07
6546	469057.23	3819963.73	0.000016207	6.81E-05	6.13E-06	1.35E-05	5.00E-05	4.40E-06	1.53E-06	8.76E-06	1.05E-06	1.39E-06	4.59E-06	3.16E-07
6547	469053.7	3819954.73	0.000015875	6.67E-05	6.00E-06	1.32E-05	4.90E-05	4.31E-06	1.50E-06	8.58E-06	1.02E-06	1.36E-06	4.49E-06	3.10E-07
6548	469050.16	3819945.72	0.000015548	6.53E-05	5.88E-06	1.30E-05	4.80E-05	4.22E-06	1.47E-06	8.41E-06	1.00E-06	1.33E-06	4.40E-06	3.03E-07
6549	469046.62	3819936.71	0.000015216	6.39E-05	5.75E-06	1.27E-05	4.70E-05	4.13E-06	1.44E-06	8.23E-06	9.81E-07	1.31E-06	4.31E-06	2.97E-07
6550	469043.08	3819927.7	0.000014889	6.25E-05	5.63E-06	1.24E-05	4.59E-05	4.04E-06	1.41E-06	8.05E-06	9.60E-07	1.28E-06	4.21E-06	2.91E-07
6551	469039.54	3819918.69	0.000014557	6.11E-05	5.51E-06	1.21E-05	4.49E-05	3.95E-06	1.37E-06	7.87E-06	9.39E-07	1.25E-06	4.12E-06	2.84E-07
6552	469036.01	3819909.68	0.000014225	5.97E-05	5.38E-06	1.18E-05	4.39E-05	3.86E-06	1.34E-06	7.69E-06	9.18E-07	1.22E-06	4.03E-06	2.78E-07
6553	469032.47	3819900.67	0.000013888	5.83E-05	5.25E-06	1.16E-05	4.29E-05	3.77E-06	1.31E-06	7.51E-06	8.96E-07	1.19E-06	3.93E-06	2.71E-07
6554	469028.93	3819891.66	0.000013556	5.69E-05	5.13E-06	1.13E-05	4.18E-05	3.68E-06	1.28E-06	7.33E-06	8.74E-07	1.16E-06	3.84E-06	2.65E-07
6555	469025.39	3819882.65	0.000013229	5.56E-05	5.00E-06	1.10E-05	4.08E-05	3.59E-06	1.25E-06	7.15E-06	8.53E-07	1.14E-06	3.74E-06	2.58E-07
6556	469021.85	3819873.64	0.000012912	5.42E-05	4.88E-06	1.08E-05	3.98E-05	3.50E-06	1.22E-06	6.98E-06	8.33E-07	1.11E-06	3.65E-06	2.52E-07
6557	469018.32	3819864.63	0.000012604	5.29E-05	4.77E-06	1.05E-05	3.89E-05	3.42E-06	1.19E-06	6.81E-06	8.13E-07	1.08E-06	3.57E-06	2.46E-07
6558	469014.78	3819855.62	0.000012291	5.16E-05	4.65E-06	1.02E-05	3.79E-05	3.34E-06	1.16E-06	6.64E-06	7.93E-07	1.06E-06	3.48E-06	2.40E-07
6559	469011.24	3819846.61	0.000011988	5.03E-05	4.53E-06	9.99E-06	3.70E-05	3.25E-06	1.13E-06	6.48E-06	7.73E-07	1.03E-06	3.39E-06	2.34E-07
6560	469007.7	3819837.6	0.000011685	4.91E-05	4.42E-06	9.73E-06	3.61E-05	3.17E-06	1.10E-06	6.32E-06	7.54E-07	1.00E-06	3.31E-06	2.28E-07
6561	469004.16	3819828.6	0.000011391	4.78E-05	4.31E-06	9.49E-06	3.52E-05	3.09E-06	1.08E-06	6.16E-06	7.35E-07	9.78E-07	3.22E-06	2.22E-07
6562	469000.63	3819819.59	0.000011098	4.66E-05	4.20E-06	9.24E-06	3.42E-05	3.01E-06	1.05E-06	6.00E-06	7.16E-07	9.53E-07	3.14E-06	2.17E-07
6563	468997.09	3819810.58	0.000010809	4.54E-05	4.09E-06	9.00E-06	3.34E-05	2.93E-06	1.02E-06	5.84E-06	6.97E-07	9.28E-07	3.06E-06	2.11E-07
6564	468993.55	3819801.57	0.000010526	4.42E-05	3.98E-06	8.77E-06	3.25E-05	2.86E-06	9.94E-07	5.69E-06	6.79E-07	9.04E-07	2.98E-06	2.05E-07
6565	468990.01	3819792.56	0.000010242	4.30E-05	3.87E-06	8.53E-06	3.16E-05	2.78E-06	9.67E-07	5.54E-06	6.61E-07	8.79E-07	2.90E-06	2.00E-07
6566	468986.47	3819783.55	9.9675E-06	4.19E-05	3.77E-06	8.30E-06	3.08E-05	2.71E-06	9.41E-07	5.39E-06	6.43E-07	8.56E-07	2.82E-06	1.94E-07

6567	468982.94	3819774.54	9.6981E-06	4.07E-05	3.67E-06	8.08E-06	2.99E-05	2.63E-06	9.16E-07	5.24E-06	6.26E-07	8.33E-07	2.75E-06	1.89E-07
6568	468979.4	3819765.53	9.4383E-06	3.96E-05	3.57E-06	7.86E-06	2.91E-05	2.56E-06	8.91E-07	5.10E-06	6.09E-07	8.10E-07	2.67E-06	1.84E-07
6569	468975.86	3819756.52	9.1834E-06	3.86E-05	3.47E-06	7.65E-06	2.83E-05	2.49E-06	8.67E-07	4.96E-06	5.92E-07	7.88E-07	2.60E-06	1.79E-07
6570	468972.32	3819747.51	0.000008938	3.75E-05	3.38E-06	7.44E-06	2.76E-05	2.43E-06	8.44E-07	4.83E-06	5.77E-07	7.67E-07	2.53E-06	1.74E-07
6571	468968.78	3819738.5	8.6975E-06	3.65E-05	3.29E-06	7.24E-06	2.68E-05	2.36E-06	8.21E-07	4.70E-06	5.61E-07	7.47E-07	2.46E-06	1.70E-07
6572	468965.25	3819729.49	8.4666E-06	3.56E-05	3.20E-06	7.05E-06	2.61E-05	2.30E-06	8.00E-07	4.58E-06	5.46E-07	7.27E-07	2.40E-06	1.65E-07
6573	468961.71	3819720.48	8.2405E-06	3.46E-05	3.12E-06	6.86E-06	2.54E-05	2.24E-06	7.78E-07	4.45E-06	5.32E-07	7.07E-07	2.33E-06	1.61E-07
6574	468958.17	3819711.47	8.0192E-06	3.37E-05	3.03E-06	6.68E-06	2.47E-05	2.18E-06	7.57E-07	4.34E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
6575	468954.63	3819702.47	7.8075E-06	3.28E-05	2.95E-06	6.50E-06	2.41E-05	2.12E-06	7.37E-07	4.22E-06	5.04E-07	6.70E-07	2.21E-06	1.52E-07
6576	468951.09	3819693.46	7.5959E-06	3.19E-05	2.87E-06	6.33E-06	2.34E-05	2.06E-06	7.17E-07	4.11E-06	4.90E-07	6.52E-07	2.15E-06	1.48E-07
6577	468947.56	3819684.45	0.000007389	3.10E-05	2.79E-06	6.15E-06	2.28E-05	2.01E-06	6.98E-07	3.99E-06	4.77E-07	6.34E-07	2.09E-06	1.44E-07
6578	468944.02	3819675.44	0.000007187	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.03E-06	1.40E-07
6579	468940.48	3819666.43	6.9994E-06	2.94E-05	2.65E-06	5.83E-06	2.16E-05	1.90E-06	6.61E-07	3.78E-06	4.51E-07	6.01E-07	1.98E-06	1.37E-07
6580	468936.94	3819657.42	6.8166E-06	2.86E-05	2.58E-06	5.68E-06	2.10E-05	1.85E-06	6.44E-07	3.69E-06	4.40E-07	5.85E-07	1.93E-06	1.33E-07
6581	468933.4	3819648.41	6.6434E-06	2.79E-05	2.51E-06	5.53E-06	2.05E-05	1.80E-06	6.27E-07	3.59E-06	4.29E-07	5.70E-07	1.88E-06	1.30E-07
6582	468929.87	3819639.4	0.000006475	2.72E-05	2.45E-06	5.39E-06	2.00E-05	1.76E-06	6.11E-07	3.50E-06	4.18E-07	5.56E-07	1.83E-06	1.26E-07
6583	468926.33	3819630.39	6.3115E-06	2.65E-05	2.39E-06	5.26E-06	1.95E-05	1.71E-06	5.96E-07	3.41E-06	4.07E-07	5.42E-07	1.79E-06	1.23E-07
6584	468922.79	3819621.38	6.1575E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.81E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
6585	468919.25	3819612.37	6.0036E-06	2.52E-05	2.27E-06	5.00E-06	1.85E-05	1.63E-06	5.67E-07	3.25E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
6586	468915.71	3819603.36	5.8545E-06	2.46E-05	2.21E-06	4.88E-06	1.81E-05	1.59E-06	5.53E-07	3.16E-06	3.78E-07	5.03E-07	1.66E-06	1.14E-07
6587	468912.17	3819594.35	5.7101E-06	2.40E-05	2.16E-06	4.76E-06	1.76E-05	1.55E-06	5.39E-07	3.09E-06	3.68E-07	4.90E-07	1.62E-06	1.11E-07
6588	468908.64	3819585.34	5.5706E-06	2.34E-05	2.11E-06	4.64E-06	1.72E-05	1.51E-06	5.26E-07	3.01E-06	3.59E-07	4.78E-07	1.58E-06	1.09E-07
6589	468905.1	3819576.33	5.4456E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.14E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
6590	468901.56	3819567.33	5.3205E-06	2.23E-05	2.01E-06	4.43E-06	1.64E-05	1.44E-06	5.02E-07	2.88E-06	3.43E-07	4.57E-07	1.51E-06	1.04E-07
6591	468898.02	3819558.32	0.000005205	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.41E-06	4.92E-07	2.81E-06	3.36E-07	4.47E-07	1.47E-06	1.02E-07
6592	468894.48	3819549.31	5.0944E-06	2.14E-05	1.93E-06	4.24E-06	1.57E-05	1.38E-06	4.81E-07	2.75E-06	3.29E-07	4.37E-07	1.44E-06	9.94E-08
6593	468890.95	3819540.3	4.9837E-06	2.09E-05	1.88E-06	4.15E-06	1.54E-05	1.35E-06	4.71E-07	2.69E-06	3.21E-07	4.28E-07	1.41E-06	9.72E-08
6594	468887.41	3819531.29	4.8827E-06	2.05E-05	1.85E-06	4.07E-06	1.51E-05	1.33E-06	4.61E-07	2.64E-06	3.15E-07	4.19E-07	1.38E-06	9.53E-08
6595	468883.87	3819522.28	4.4786E-06	1.88E-05	1.69E-06	3.73E-06	1.38E-05	1.22E-06	4.23E-07	2.42E-06	2.89E-07	3.84E-07	1.27E-06	8.74E-08
6596	468880.33	3819513.27	4.3872E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.14E-07	2.37E-06	2.83E-07	3.77E-07	1.24E-06	8.56E-08
6597	468876.79	3819504.26	4.3103E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.41E-08
6598	468873.26	3819495.25	4.2381E-06	1.78E-05	1.60E-06	3.53E-06	1.31E-05	1.15E-06	4.00E-07	2.29E-06	2.73E-07	3.64E-07	1.20E-06	8.27E-08
6599	468869.72	3819486.24	4.1852E-06	1.76E-05	1.58E-06	3.49E-06	1.29E-05	1.14E-06	3.95E-07	2.26E-06	2.70E-07	3.59E-07	1.18E-06	8.17E-08
6600	468866.18	3819477.23	4.1323E-06	1.74E-05	1.56E-06	3.44E-06	1.28E-05	1.12E-06	3.90E-07	2.23E-06	2.67E-07	3.55E-07	1.17E-06	8.06E-08
6601	468862.64	3819468.22	4.0842E-06	1.72E-05	1.54E-06	3.40E-06	1.26E-05	1.11E-06	3.86E-07	2.21E-06	2.63E-07	3.51E-07	1.16E-06	7.97E-08
6602	468859.1	3819459.21	4.0409E-06	1.70E-05	1.53E-06	3.37E-06	1.25E-05	1.10E-06	3.82E-07	2.18E-06	2.61E-07	3.47E-07	1.14E-06	7.88E-08
6603	468855.57	3819450.2	3.9928E-06	1.68E-05	1.51E-06	3.33E-06	1.23E-05	1.08E-06	3.77E-07	2.16E-06	2.58E-07	3.43E-07	1.13E-06	7.79E-08
6604	468852.03	3819441.2	3.9495E-06	1.66E-05	1.49E-06	3.29E-06	1.22E-05	1.07E-06	3.73E-07	2.14E-06	2.55E-07	3.39E-07	1.12E-06	7.71E-08
6605	468848.49	3819432.19	3.9014E-06	1.64E-05	1.48E-06	3.25E-06	1.20E-05	1.06E-06	3.68E-07	2.11E-06	2.52E-07	3.35E-07	1.10E-06	7.61E-08
6606	470087.16	3820708.28	0.000042439	1.78E-04	1.61E-05	3.53E-05	1.31E-04	1.15E-05	4.01E-06	2.29E-05	2.74E-06	3.64E-06	1.20E-05	8.28E-07
6607	470096.86	3820708.41	0.000042189	1.77E-04	1.60E-05	3.51E-05	1.30E-04	1.15E-05	3.98E-06	2.28E-05	2.72E-06	3.62E-06	1.19E-05	8.23E-07
6608	470106.56	3820708.55	0.000041919	1.76E-04	1.59E-05	3.49E-05	1.29E-04	1.14E-05	3.96E-06	2.27E-05	2.70E-06	3.60E-06	1.19E-05	8.18E-07
6609	470116.25	3820708.68	0.000041635	1.75E-04	1.57E-05	3.47E-05	1.28E-04	1.13E-05	3.93E-06	2.25E-05	2.69E-06	3.57E-06	1.18E-05	8.12E-07
6610	470125.95	3820708.82	0.000041342	1.74E-04	1.56E-05	3.44E-05	1.28E-04	1.12E-05	3.90E-06	2.23E-05	2.67E-06	3.55E-06	1.17E-05	8.07E-07
6611	470135.65	3820708.95	0.000041029	1.72E-04	1.55E-05	3.42E-05	1.27E-04	1.11E-05	3.87E-06	2.22E-05	2.65E-06	3.52E-06	1.16E-05	8.01E-07
6612	470145.34	3820709.09	0.000040717	1.71E-04	1.54E-05	3.39E-05	1.26E-04	1.11E-05	3.84E-06	2.20E-05	2.63E-06	3.50E-06	1.15E-05	7.95E-07
6613	470155.04	3820709.22	0.000040385	1.70E-04	1.53E-05	3.36E-05	1.25E-04	1.10E-05	3.81E-06	2.18E-05	2.60E-06	3.47E-06	1.14E-05	7.88E-07
6614	470164.74	3820709.36	0.000040053	1.68E-04	1.51E-05	3.34E-05	1.24E-04	1.09E-05	3.78E-06	2.17E-05	2.58E-06	3.44E-06	1.13E-05	7.82E-07
6615	470174.44	3820709.49	0.000039716	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.75E-06	2.15E-05	2.56E-06	3.41E-06	1.12E-05	7.75E-07
6616	470184.13	3820709.63	0.00003937	1.65E-04	1.49E-05	3.28E-05	1.21E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.68E-07
6617	470193.83	3820709.76	0.000039028	1.64E-04	1.48E-05	3.25E-05	1.20E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.35E-06	1.10E-05	7.62E-07
6618	470203.53	3820709.9	0.000038677	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.49E-06	3.32E-06	1.09E-05	7.55E-07
6619	470213.22	3820710.03	0.000038335	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.62E-06	2.07E-05	2.47E-06	3.29E-06	1.09E-05	7.48E-07
6620	470222.92	3820710.17	0.000037989	1.60E-04	1.44E-05	3.16E-05	1.17E-04	1.03E-05	3.59E-06	2.05E-05	2.45E-06	3.26E-06	1.08E-05	7.41E-07
6621	470232.62	3820710.3	0.000037643	1.58E-04	1.42E-05	3.14E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.43E-06	3.23E-06	1.07E-05	7.35E-07
6622	470242.32	3820710.44	0.000037296	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.52E-06	2.02E-05	2.41E-06	3.20E-06	1.06E-05	7.28E-07
6623	470252.01	3820710.57	0.000036955	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.49E-06	2.00E-05	2.38E-06	3.17E-06	1.05E-05	7.21E-07
6624	470261.71	3820710.71	0.000036618	1.54E-04	1.38E-05	3.05E-05	1.13E-04	9.94E-06	3.46E-06	1.98E-05	2.36E-06	3.14E-06	1.04E-05	7.15E-07
6625	470077.22	3820784.45	0.000038807	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
6626	470068.39	3820780.63	0.000039172	1.65E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.36E-06	1.11E-05	7.64E-07
6627	470059.56	3820776.82	0.000039533	1.66E-04	1.50E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.14E-05	2.55E-06	3.39E-06	1.12E-05	7.71E-07
6628	470050.73	3820773	0.000039884	1.68E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.77E-06	2.16E-05	2.57E-06	3.42E-06	1.13E-05	7.78E-07
6629	470041.9	3820769.18	0.000040226	1.69E-04	1.52E-05	3.35E-05	1.24E-04	1.09E-05	3.80E-06	2.17E-05	2.59E-06	3.45E-06	1.14E-05	7.85E-07
6630	470033.07	3820765.36	0.000040558	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.91E-07
6631	470024.24	3820761.54	0.000040875	1.72E-04	1.55E-05	3.40E-05	1.26E-04	1.11E-05	3.86E-06	2.21E-05	2.64E-06	3.51E-06	1.16E-05	7.98E-07
6632	470015.41	3820757.72	0.000041174	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.23E-05	2.66E-06	3.53E-06	1.17E-05	8.03E-07
6633	470006.58	3820753.91	0.000041448	1.74E-04	1.57E-05	3.45E-05	1.28E-04	1.13E-05	3.91E-06	2.24E-05	2.67E-06	3.56E-06	1.17E-05	8.09E-07
6634	469997.75	3820750.09	0.000041698	1.75E-04	1.58E-05	3.47E-05	1.29E-04	1.13E-05	3.94E-06	2.25E-05	2.69E-06	3.58E-06	1.18E-05	8.14E-07
6635	469988.92	3820746.27	0.000041934	1.76E-04	1.59E-05	3.49E-05	1.29E-04	1.14E-05	3.96E-06	2.27E-05	2.70E-06	3.60E-06	1.19E-05	8.18E-07
6636	469980.09	3820742.45	0.000042155	1.77E-04	1.59E-05	3.51E-05	1.30E-04	1.14E-05	3.98E-06	2.28E-05	2.72E-06	3.62E-06	1.19E-05	8.23E-07
6637	469971.26	3820738.63	0.000042357	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.64E-06	1.20E-05	8.27E-07
6638	469962.43	3820734.81	0.00004254	1.79E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.02E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.30E-07
6639	469953.6	3820731	0.000042708	1.79E-04	1.62E-05	3.56E-05	1.32E-04	1.16E-05	4.03E-06	2.31E-05	2.75E-06	3.67E-06	1.21E-05	8.33E-07

6640	469944.77	3820727.18	0.000042857	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.76E-06	3.68E-06	1.21E-05	8.36E-07
6641	469935.94	3820723.36	0.000042982	1.81E-04	1.63E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.39E-07
6642	469927.11	3820719.54	0.000043083	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.41E-07
6643	469918.28	3820715.72	0.000043165	1.81E-04	1.63E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.33E-05	2.78E-06	3.71E-06	1.22E-05	8.42E-07
6644	469909.45	3820711.9	0.000043223	1.82E-04	1.63E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.43E-07
6645	469900.62	3820708.09	0.000043257	1.82E-04	1.64E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.44E-07
6646	469891.79	3820704.27	0.000043266	1.82E-04	1.64E-05	3.60E-05	1.34E-04	1.17E-05	4.09E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.44E-07
6647	469882.96	3820700.45	0.000043252	1.82E-04	1.64E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.44E-07
6648	469874.13	3820696.63	0.000043213	1.81E-04	1.63E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.43E-07
6649	469865.3	3820692.81	0.00004316	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.08E-06	2.33E-05	2.78E-06	3.71E-06	1.22E-05	8.42E-07
6650	469856.47	3820688.99	0.000043088	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.41E-07
6651	469847.64	3820685.17	0.000042997	1.81E-04	1.63E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.39E-07
6652	469838.81	3820681.36	0.000042881	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.77E-06	3.68E-06	1.21E-05	8.37E-07
6653	469829.98	3820677.54	0.000042747	1.80E-04	1.62E-05	3.56E-05	1.32E-04	1.16E-05	4.04E-06	2.31E-05	2.76E-06	3.67E-06	1.21E-05	8.34E-07
6654	469821.15	3820673.72	0.000042593	1.79E-04	1.61E-05	3.55E-05	1.31E-04	1.16E-05	4.02E-06	2.30E-05	2.75E-06	3.66E-06	1.21E-05	8.31E-07
6655	469812.32	3820669.9	0.00004242	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.01E-06	2.29E-05	2.74E-06	3.64E-06	1.20E-05	8.28E-07
6656	469803.49	3820666.08	0.000042232	1.77E-04	1.60E-05	3.52E-05	1.30E-04	1.15E-05	3.99E-06	2.28E-05	2.72E-06	3.63E-06	1.20E-05	8.24E-07
6657	469794.66	3820662.26	0.00004203	1.77E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.97E-06	2.27E-05	2.71E-06	3.61E-06	1.19E-05	8.20E-07
6658	469785.83	3820658.45	0.000041809	1.76E-04	1.58E-05	3.48E-05	1.29E-04	1.13E-05	3.95E-06	2.26E-05	2.70E-06	3.59E-06	1.18E-05	8.16E-07
6659	469777	3820654.63	0.000041578	1.75E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.93E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.11E-07
6660	469768.17	3820650.81	0.000041332	1.74E-04	1.56E-05	3.44E-05	1.28E-04	1.12E-05	3.90E-06	2.23E-05	2.67E-06	3.55E-06	1.17E-05	8.06E-07
6661	469759.34	3820646.99	0.000041077	1.73E-04	1.55E-05	3.42E-05	1.27E-04	1.12E-05	3.88E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.02E-07
6662	469750.51	3820643.17	0.000040813	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.21E-05	2.63E-06	3.50E-06	1.16E-05	7.96E-07
6663	469741.68	3820639.35	0.000040534	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.61E-06	3.48E-06	1.15E-05	7.91E-07
6664	469732.85	3820635.54	0.00004025	1.69E-04	1.52E-05	3.35E-05	1.24E-04	1.09E-05	3.80E-06	2.18E-05	2.60E-06	3.46E-06	1.14E-05	7.85E-07
6665	469724.02	3820631.72	0.000039957	1.68E-04	1.51E-05	3.33E-05	1.23E-04	1.08E-05	3.77E-06	2.16E-05	2.58E-06	3.43E-06	1.13E-05	7.80E-07
6666	469715.19	3820627.9	0.000039658	1.67E-04	1.50E-05	3.30E-05	1.22E-04	1.08E-05	3.74E-06	2.14E-05	2.56E-06	3.40E-06	1.12E-05	7.74E-07
6667	469706.36	3820624.08	0.000039346	1.65E-04	1.49E-05	3.28E-05	1.21E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.68E-07
6668	469697.53	3820620.26	0.000039033	1.64E-04	1.48E-05	3.25E-05	1.20E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.35E-06	1.10E-05	7.62E-07
6669	469662.21	3820604.99	0.000037768	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.57E-06	2.04E-05	2.44E-06	3.24E-06	1.07E-05	7.37E-07
6670	469653.38	3820601.17	0.00003745	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.02E-05	2.42E-06	3.21E-06	1.06E-05	7.31E-07
6671	469644.55	3820597.35	0.000037133	1.56E-04	1.40E-05	3.09E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.25E-07
6672	469635.72	3820593.53	0.00003682	1.55E-04	1.39E-05	3.07E-05	1.14E-04	1.00E-05	3.48E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.18E-07
6673	469626.89	3820589.72	0.000036507	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.91E-06	3.45E-06	1.97E-05	2.35E-06	3.13E-06	1.03E-05	7.12E-07
6674	469618.06	3820585.9	0.000036195	1.52E-04	1.37E-05	3.01E-05	1.12E-04	9.83E-06	3.42E-06	1.96E-05	2.33E-06	3.11E-06	1.02E-05	7.06E-07
6675	469609.23	3820582.08	0.000035887	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.74E-06	3.39E-06	1.94E-05	2.31E-06	3.08E-06	1.02E-05	7.00E-07
6676	469600.4	3820578.26	0.000035584	1.49E-04	1.35E-05	2.96E-05	1.10E-04	9.66E-06	3.36E-06	1.92E-05	2.30E-06	3.05E-06	1.01E-05	6.94E-07
6677	469591.57	3820574.44	0.000035285	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.58E-06	3.33E-06	1.91E-05	2.28E-06	3.03E-06	9.99E-06	6.89E-07
6678	469582.74	3820570.62	0.000034992	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.50E-06	3.30E-06	1.89E-05	2.26E-06	3.00E-06	9.90E-06	6.83E-07
6679	469573.91	3820566.81	0.000034703	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.42E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.82E-06	6.77E-07
6680	469565.08	3820562.99	0.000034415	1.45E-04	1.30E-05	2.87E-05	1.06E-04	9.34E-06	3.25E-06	1.86E-05	2.22E-06	2.95E-06	9.74E-06	6.72E-07
6681	469556.25	3820559.17	0.000034136	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.22E-06	1.85E-05	2.20E-06	2.93E-06	9.66E-06	6.66E-07
6682	469547.42	3820555.35	0.000033866	1.42E-04	1.28E-05	2.82E-05	1.05E-04	9.19E-06	3.20E-06	1.83E-05	2.18E-06	2.91E-06	9.59E-06	6.61E-07
6683	469538.59	3820551.53	0.000033597	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.12E-06	3.17E-06	1.82E-05	2.17E-06	2.88E-06	9.51E-06	6.56E-07
6684	469529.76	3820547.71	0.000033332	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.05E-06	3.15E-06	1.80E-05	2.15E-06	2.86E-06	9.44E-06	6.50E-07
6685	469520.93	3820543.9	0.000033077	1.39E-04	1.25E-05	2.76E-05	1.02E-04	8.98E-06	3.12E-06	1.79E-05	2.13E-06	2.84E-06	9.36E-06	6.45E-07
6686	469512.1	3820540.08	0.000032827	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.91E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.41E-07
6687	469503.27	3820536.26	0.000032582	1.37E-04	1.23E-05	2.71E-05	1.01E-04	8.84E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.22E-06	6.36E-07
6688	469494.44	3820532.44	0.000032341	1.36E-04	1.22E-05	2.69E-05	9.98E-05	8.78E-06	3.05E-06	1.75E-05	2.09E-06	2.78E-06	9.15E-06	6.31E-07
6689	469485.61	3820528.62	0.000032106	1.35E-04	1.21E-05	2.67E-05	9.91E-05	8.72E-06	3.03E-06	1.74E-05	2.07E-06	2.76E-06	9.09E-06	6.26E-07
6690	469476.78	3820524.8	0.000031875	1.34E-04	1.21E-05	2.66E-05	9.84E-05	8.65E-06	3.01E-06	1.72E-05	2.06E-06	2.74E-06	9.02E-06	6.22E-07
6691	469467.95	3820520.99	0.000031649	1.33E-04	1.20E-05	2.64E-05	9.77E-05	8.59E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.96E-06	6.18E-07
6692	469459.12	3820517.17	0.000031427	1.32E-04	1.19E-05	2.62E-05	9.70E-05	8.53E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.90E-06	6.13E-07
6693	469450.29	3820513.35	0.000031211	1.31E-04	1.18E-05	2.60E-05	9.63E-05	8.47E-06	2.95E-06	1.69E-05	2.01E-06	2.68E-06	8.83E-06	6.09E-07
6694	469441.46	3820509.53	0.000030999	1.30E-04	1.17E-05	2.58E-05	9.57E-05	8.42E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.77E-06	6.05E-07
6695	469432.63	3820505.71	0.000030788	1.29E-04	1.16E-05	2.56E-05	9.50E-05	8.36E-06	2.91E-06	1.66E-05	1.99E-06	2.64E-06	8.71E-06	6.01E-07
6696	469423.8	3820501.89	0.000030576	1.28E-04	1.16E-05	2.55E-05	9.43E-05	8.30E-06	2.89E-06	1.65E-05	1.97E-06	2.62E-06	8.65E-06	5.97E-07
6697	469414.97	3820498.08	0.000030374	1.28E-04	1.15E-05	2.53E-05	9.37E-05	8.25E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.60E-06	5.93E-07
6698	469406.14	3820494.26	0.000030177	1.27E-04	1.14E-05	2.51E-05	9.31E-05	8.19E-06	2.85E-06	1.63E-05	1.95E-06	2.59E-06	8.54E-06	5.89E-07
6699	469397.31	3820490.44	0.000029975	1.26E-04	1.13E-05	2.50E-05	9.25E-05	8.14E-06	2.83E-06	1.62E-05	1.93E-06	2.57E-06	8.48E-06	5.85E-07
6700	469388.48	3820486.62	0.000029777	1.25E-04	1.13E-05	2.48E-05	9.19E-05	8.08E-06	2.81E-06	1.61E-05	1.92E-06	2.56E-06	8.43E-06	5.81E-07
6701	469379.65	3820482.8	0.00002958	1.24E-04	1.12E-05	2.46E-05	9.13E-05	8.03E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.37E-06	5.77E-07
6702	469370.82	3820478.98	0.000029378	1.23E-04	1.11E-05	2.45E-05	9.07E-05	7.98E-06	2.77E-06	1.59E-05	1.90E-06	2.52E-06	8.32E-06	5.73E-07
6703	469361.98	3820475.17	0.000029176	1.23E-04	1.10E-05	2.43E-05	9.00E-05	7.92E-06	2.76E-06	1.58E-05	1.88E-06	2.50E-06	8.26E-06	5.69E-07
6704	469353.15	3820471.35	0.000028974	1.22E-04	1.10E-05	2.41E-05	8.94E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.20E-06	5.65E-07
6705	469344.32	3820467.53	0.000028772	1.21E-04	1.09E-05	2.40E-05	8.88E-05	7.81E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.14E-06	5.61E-07
6706	469335.49	3820463.71	0.00002857	1.20E-04	1.08E-05	2.38E-05	8.82E-05	7.76E-06	2.70E-06	1.54E-05	1.84E-06	2.45E-06	8.09E-06	5.57E-07
6707	469326.66	3820459.89	0.000028368	1.19E-04	1.07E-05	2.36E-05	8.75E-05	7.70E-06	2.68E-06	1.53E-05	1.83E-06	2.44E-06	8.03E-06	5.54E-07
6708	469317.83	3820456.07	0.000028161	1.18E-04	1.07E-05	2.35E-05	8.69E-05	7.64E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.97E-06	5.49E-07
6709	469309	3820452.26	0.000027959	1.17E-04	1.06E-05	2.33E-05	8.63E-05	7.59E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.91E-06	5.46E-07
6710	469300.17	3820448.44	0.000027747	1.17E-04	1.05E-05	2.31E-05	8.56E-05	7.53E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.85E-06	5.41E-07
6711	469291.34	3820444.62	0.000027536	1.16E-04	1.04E-05	2.29E-05	8.50E-05	7.48E-06	2.60E-06	1.49E-05	1.78E-06	2.36E-06	7.79E-06	5.37E-07
6712	469264.85	3820433.16	0.000026872	1.13E-04	1.02E-05	2.24E-05	8.29E-05	7.29E-06	2.54E-06	1.45E-05	1.73E-06	2.31E-06	7.61E-06	5.24E-07

6713	469256.02	3820429.35	0.000026646	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
6714	469247.19	3820425.53	0.000026415	1.11E-04	9.99E-06	2.20E-05	8.15E-05	7.17E-06	2.49E-06	1.43E-05	1.70E-06	2.27E-06	7.48E-06	5.15E-07
6715	469238.36	3820421.71	0.000026179	1.10E-04	9.90E-06	2.18E-05	8.08E-05	7.11E-06	2.47E-06	1.42E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
6716	469229.53	3820417.89	0.000025939	1.09E-04	9.81E-06	2.16E-05	8.00E-05	7.04E-06	2.45E-06	1.40E-05	1.67E-06	2.23E-06	7.34E-06	5.06E-07
6717	469220.7	3820414.07	0.000025698	1.08E-04	9.72E-06	2.14E-05	7.93E-05	6.98E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.27E-06	5.01E-07
6718	469211.87	3820410.25	0.000025453	1.07E-04	9.63E-06	2.12E-05	7.85E-05	6.91E-06	2.40E-06	1.38E-05	1.64E-06	2.19E-06	7.20E-06	4.97E-07
6719	469203.04	3820406.44	0.000025203	1.06E-04	9.53E-06	2.10E-05	7.78E-05	6.84E-06	2.38E-06	1.36E-05	1.63E-06	2.16E-06	7.13E-06	4.92E-07
6720	469194.21	3820402.62	0.000024948	1.05E-04	9.43E-06	2.08E-05	7.70E-05	6.77E-06	2.36E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.87E-07
6721	469185.38	3820398.8	0.000024693	1.04E-04	9.34E-06	2.06E-05	7.62E-05	6.70E-06	2.33E-06	1.33E-05	1.59E-06	2.12E-06	6.99E-06	4.82E-07
6722	469176.55	3820394.98	0.000024433	1.03E-04	9.24E-06	2.04E-05	7.54E-05	6.63E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.92E-06	4.77E-07
6723	469167.72	3820391.16	0.000024168	1.02E-04	9.14E-06	2.01E-05	7.46E-05	6.56E-06	2.28E-06	1.31E-05	1.56E-06	2.07E-06	6.84E-06	4.72E-07
6724	469158.89	3820387.34	0.000023899	1.00E-04	9.04E-06	1.99E-05	7.37E-05	6.49E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.76E-06	4.66E-07
6725	469150.06	3820383.53	0.000023629	9.92E-05	8.94E-06	1.97E-05	7.29E-05	6.41E-06	2.23E-06	1.28E-05	1.52E-06	2.03E-06	6.69E-06	4.61E-07
6726	469137.72	3820370.75	0.000023283	9.78E-05	8.81E-06	1.94E-05	7.18E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.54E-07
6727	469134.2	3820361.8	0.000023201	9.74E-05	8.77E-06	1.93E-05	7.16E-05	6.30E-06	2.19E-06	1.25E-05	1.50E-06	1.99E-06	6.57E-06	4.53E-07
6728	469130.68	3820352.84	0.00002311	9.71E-05	8.74E-06	1.92E-05	7.13E-05	6.27E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.54E-06	4.51E-07
6729	469127.17	3820343.89	0.000023009	9.66E-05	8.70E-06	1.92E-05	7.10E-05	6.25E-06	2.17E-06	1.24E-05	1.48E-06	1.98E-06	6.51E-06	4.49E-07
6730	469123.65	3820334.94	0.000022903	9.62E-05	8.66E-06	1.91E-05	7.07E-05	6.22E-06	2.16E-06	1.24E-05	1.48E-06	1.97E-06	6.48E-06	4.47E-07
6731	469120.14	3820325.98	0.000022792	9.57E-05	8.62E-06	1.90E-05	7.03E-05	6.19E-06	2.15E-06	1.23E-05	1.47E-06	1.96E-06	6.45E-06	4.45E-07
6732	469116.62	3820317.03	0.000022672	9.52E-05	8.57E-06	1.89E-05	7.00E-05	6.15E-06	2.14E-06	1.23E-05	1.46E-06	1.95E-06	6.42E-06	4.42E-07
6733	469113.1	3820308.07	0.000022542	9.47E-05	8.53E-06	1.88E-05	6.96E-05	6.12E-06	2.13E-06	1.22E-05	1.45E-06	1.94E-06	6.38E-06	4.40E-07
6734	469109.59	3820299.12	0.000022408	9.41E-05	8.47E-06	1.87E-05	6.91E-05	6.08E-06	2.12E-06	1.21E-05	1.45E-06	1.92E-06	6.34E-06	4.37E-07
6735	469106.07	3820290.16	0.000022263	9.35E-05	8.42E-06	1.85E-05	6.87E-05	6.04E-06	2.10E-06	1.20E-05	1.44E-06	1.91E-06	6.30E-06	4.34E-07
6736	469102.55	3820281.21	0.000022114	9.29E-05	8.36E-06	1.84E-05	6.82E-05	6.00E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.26E-06	4.32E-07
6737	469099.04	3820272.25	0.000021955	9.22E-05	8.30E-06	1.83E-05	6.78E-05	5.96E-06	2.07E-06	1.19E-05	1.42E-06	1.88E-06	6.21E-06	4.28E-07
6738	469095.52	3820263.3	0.000021792	9.15E-05	8.24E-06	1.82E-05	6.72E-05	5.92E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.17E-06	4.25E-07
6739	469092	3820254.34	0.000021623	9.08E-05	8.18E-06	1.80E-05	6.67E-05	5.87E-06	2.04E-06	1.17E-05	1.39E-06	1.86E-06	6.12E-06	4.22E-07
6740	469088.49	3820245.39	0.000021445	9.01E-05	8.11E-06	1.79E-05	6.62E-05	5.82E-06	2.03E-06	1.16E-05	1.38E-06	1.84E-06	6.07E-06	4.18E-07
6741	469084.97	3820236.44	0.000021258	8.93E-05	8.04E-06	1.77E-05	6.56E-05	5.77E-06	2.01E-06	1.15E-05	1.37E-06	1.82E-06	6.02E-06	4.15E-07
6742	469081.45	3820227.48	0.000021065	8.85E-05	7.97E-06	1.75E-05	6.50E-05	5.72E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.96E-06	4.11E-07
6743	469077.94	3820218.53	0.000020868	8.76E-05	7.89E-06	1.74E-05	6.44E-05	5.66E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.07E-07
6744	469074.42	3820209.57	0.000020661	8.68E-05	7.81E-06	1.72E-05	6.38E-05	5.61E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.85E-06	4.03E-07
6745	469070.9	3820200.62	0.000020455	8.59E-05	7.74E-06	1.70E-05	6.31E-05	5.55E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.79E-06	3.99E-07
6746	469067.39	3820191.66	0.000020238	8.50E-05	7.65E-06	1.69E-05	6.25E-05	5.49E-06	1.91E-06	1.09E-05	1.31E-06	1.74E-06	5.73E-06	3.95E-07
6747	469063.87	3820182.71	0.000020012	8.40E-05	7.57E-06	1.67E-05	6.18E-05	5.43E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.66E-06	3.90E-07
6748	469060.35	3820173.75	0.000019786	8.31E-05	7.48E-06	1.65E-05	6.11E-05	5.37E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.60E-06	3.86E-07
6749	469056.84	3820164.8	0.000019555	8.21E-05	7.40E-06	1.63E-05	6.03E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.54E-06	3.82E-07
6750	469053.32	3820155.84	0.000019314	8.11E-05	7.30E-06	1.61E-05	5.96E-05	5.24E-06	1.82E-06	1.04E-05	1.25E-06	1.66E-06	5.47E-06	3.77E-07
6751	469049.81	3820146.89	0.000019074	8.01E-05	7.21E-06	1.59E-05	5.89E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
6752	469046.29	3820137.94	0.000018829	7.91E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.62E-06	5.33E-06	3.67E-07
6753	469042.77	3820128.98	0.000018578	7.80E-05	7.03E-06	1.55E-05	5.73E-05	5.04E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.26E-06	3.63E-07
6754	469039.26	3820120.03	0.000018323	7.70E-05	6.93E-06	1.53E-05	5.65E-05	4.97E-06	1.73E-06	9.91E-06	1.18E-06	1.57E-06	5.19E-06	3.58E-07
6755	469035.74	3820111.07	0.000018064	7.59E-05	6.83E-06	1.50E-05	5.57E-05	4.90E-06	1.71E-06	9.77E-06	1.17E-06	1.55E-06	5.11E-06	3.52E-07
6756	469032.22	3820102.12	0.000017804	7.48E-05	6.73E-06	1.48E-05	5.49E-05	4.83E-06	1.68E-06	9.62E-06	1.15E-06	1.53E-06	5.04E-06	3.47E-07
6757	469028.71	3820093.16	0.000017539	7.37E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.66E-06	9.48E-06	1.13E-06	1.51E-06	4.96E-06	3.42E-07
6758	469025.19	3820084.21	0.00001727	7.25E-05	6.53E-06	1.44E-05	5.33E-05	4.69E-06	1.63E-06	9.34E-06	1.11E-06	1.48E-06	4.89E-06	3.37E-07
6759	469021.67	3820075.25	0.000016996	7.14E-05	6.43E-06	1.42E-05	5.24E-05	4.61E-06	1.60E-06	9.19E-06	1.10E-06	1.46E-06	4.81E-06	3.32E-07
6760	469018.16	3820066.3	0.000016722	7.02E-05	6.32E-06	1.39E-05	5.16E-05	4.54E-06	1.58E-06	9.04E-06	1.08E-06	1.44E-06	4.73E-06	3.26E-07
6761	469014.64	3820057.35	0.000016447	6.91E-05	6.22E-06	1.37E-05	5.08E-05	4.46E-06	1.55E-06	8.89E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
6762	468993.54	3820003.62	0.00001474	6.19E-05	5.57E-06	1.23E-05	4.55E-05	4.00E-06	1.39E-06	7.97E-06	9.51E-07	1.27E-06	4.17E-06	2.88E-07
6763	468990.02	3819994.66	0.000014456	6.07E-05	5.47E-06	1.20E-05	4.46E-05	3.92E-06	1.37E-06	7.81E-06	9.32E-07	1.24E-06	4.09E-06	2.82E-07
6764	468986.51	3819985.71	0.000014172	5.95E-05	5.36E-06	1.18E-05	4.37E-05	3.85E-06	1.34E-06	7.66E-06	9.14E-07	1.22E-06	4.01E-06	2.77E-07
6765	468982.99	3819976.75	0.000013888	5.83E-05	5.25E-06	1.16E-05	4.29E-05	3.77E-06	1.31E-06	7.51E-06	8.96E-07	1.19E-06	3.93E-06	2.71E-07
6766	468979.48	3819967.8	0.000013604	5.71E-05	5.15E-06	1.13E-05	4.20E-05	3.69E-06	1.28E-06	7.35E-06	8.77E-07	1.17E-06	3.85E-06	2.65E-07
6767	468975.96	3819958.85	0.000013325	5.60E-05	5.04E-06	1.11E-05	4.11E-05	3.62E-06	1.26E-06	7.20E-06	8.59E-07	1.14E-06	3.77E-06	2.60E-07
6768	468972.44	3819949.89	0.000013041	5.48E-05	4.93E-06	1.09E-05	4.02E-05	3.54E-06	1.23E-06	7.05E-06	8.41E-07	1.12E-06	3.69E-06	2.54E-07
6769	468968.93	3819940.94	0.000012762	5.36E-05	4.83E-06	1.06E-05	3.94E-05	3.46E-06	1.21E-06	6.90E-06	8.23E-07	1.10E-06	3.61E-06	2.49E-07
6770	468965.41	3819931.98	0.000012479	5.24E-05	4.72E-06	1.04E-05	3.85E-05	3.39E-06	1.18E-06	6.75E-06	8.05E-07	1.07E-06	3.53E-06	2.43E-07
6771	468961.89	3819923.03	0.0000122	5.12E-05	4.61E-06	1.02E-05	3.76E-05	3.31E-06	1.15E-06	6.60E-06	7.87E-07	1.05E-06	3.45E-06	2.38E-07
6772	468958.38	3819914.07	0.000011921	5.01E-05	4.51E-06	9.93E-06	3.68E-05	3.24E-06	1.13E-06	6.44E-06	7.69E-07	1.02E-06	3.37E-06	2.33E-07
6773	468954.86	3819905.12	0.000011642	4.89E-05	4.40E-06	9.70E-06	3.59E-05	3.16E-06	1.10E-06	6.29E-06	7.51E-07	9.99E-07	3.30E-06	2.27E-07
6774	468951.34	3819896.16	0.000011367	4.77E-05	4.30E-06	9.47E-06	3.51E-05	3.09E-06	1.07E-06	6.15E-06	7.33E-07	9.76E-07	3.22E-06	2.22E-07
6775	468947.83	3819887.21	0.000011098	4.66E-05	4.20E-06	9.24E-06	3.42E-05	3.01E-06	1.05E-06	6.00E-06	7.16E-07	9.53E-07	3.14E-06	2.17E-07
6776	468944.31	3819878.26	0.000010838	4.55E-05	4.10E-06	9.03E-06	3.34E-05	2.94E-06	1.02E-06	5.86E-06	6.99E-07	9.30E-07	3.07E-06	2.11E-07
6777	468940.79	3819869.3	0.000010578	4.44E-05	4.00E-06	8.81E-06	3.26E-05	2.87E-06	9.99E-07	5.72E-06	6.82E-07	9.08E-07	2.99E-06	2.06E-07
6778	468937.28	3819860.35	0.000010323	4.34E-05	3.90E-06	8.60E-06	3.19E-05	2.80E-06	9.75E-07	5.58E-06	6.66E-07	8.86E-07	2.92E-06	2.01E-07
6779	468933.76	3819851.39	0.000010073	4.23E-05	3.81E-06	8.39E-06	3.11E-05	2.73E-06	9.51E-07	5.45E-06	6.50E-07	8.65E-07	2.85E-06	1.97E-07
6780	468930.24	3819842.44	0.000009828	4.13E-05	3.72E-06	8.19E-06	3.03E-05	2.67E-06	9.28E-07	5.31E-06	6.34E-07	8.44E-07	2.78E-06	1.92E-07
6781	468926.73	3819833.48	9.5826E-06	4.02E-05	3.62E-06	7.98E-06	2.96E-05	2.60E-06	9.05E-07	5.18E-06	6.18E-07	8.23E-07	2.71E-06	1.87E-07
6782	468923.21	3819824.53	9.3469E-06	3.93E-05	3.53E-06	7.79E-06	2.88E-05	2.54E-06	8.83E-07	5.05E-06	6.03E-07	8.02E-07	2.65E-06	1.82E-07
6783	468919.69	3819815.57	9.1016E-06	3.82E-05	3.44E-06	7.58E-06	2.81E-05	2.47E-06	8.59E-07	4.92E-06	5.87E-07	7.81E-07	2.58E-06	1.78E-07
6784	468916.18	3819806.62	8.8659E-06	3.72E-05	3.35E-06	7.38E-06	2.74E-05	2.41E-06	8.37E-07	4.79E-06	5.72E-07	7.61E-07	2.51E-06	1.73E-07
6785	468912.66	3819797.66	0.000008635	3.63E-05	3.27E-06	7.19E-06	2.66E-05	2.34E-06	8.15E-07	4.67E-06	5.57E-07	7.41E-07	2.44E-06	1.68E-07

6786	468909.15	3819788.71	8.4185E-06	3.54E-05	3.18E-06	7.01E-06	2.60E-05	2.29E-06	7.95E-07	4.55E-06	5.43E-07	7.23E-07	2.38E-06	1.64E-07
6787	468905.63	3819779.76	0.000008202	3.44E-05	3.10E-06	6.83E-06	2.53E-05	2.23E-06	7.75E-07	4.43E-06	5.29E-07	7.04E-07	2.32E-06	1.60E-07
6788	468902.11	3819770.8	7.9952E-06	3.36E-05	3.02E-06	6.66E-06	2.47E-05	2.17E-06	7.55E-07	4.32E-06	5.16E-07	6.86E-07	2.26E-06	1.56E-07
6789	468898.6	3819761.85	7.7883E-06	3.27E-05	2.95E-06	6.49E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.69E-07	2.20E-06	1.52E-07
6790	468895.08	3819752.89	7.5911E-06	3.19E-05	2.87E-06	6.32E-06	2.34E-05	2.06E-06	7.17E-07	4.10E-06	4.90E-07	6.52E-07	2.15E-06	1.48E-07
6791	468891.56	3819743.94	7.3986E-06	3.11E-05	2.80E-06	6.16E-06	2.28E-05	2.01E-06	6.99E-07	4.00E-06	4.77E-07	6.35E-07	2.09E-06	1.44E-07
6792	468888.05	3819734.98	0.000007211	3.03E-05	2.73E-06	6.01E-06	2.23E-05	1.96E-06	6.81E-07	3.90E-06	4.65E-07	6.19E-07	2.04E-06	1.41E-07
6793	468884.53	3819726.03	7.0282E-06	2.95E-05	2.66E-06	5.85E-06	2.17E-05	1.91E-06	6.64E-07	3.80E-06	4.53E-07	6.03E-07	1.99E-06	1.37E-07
6794	468881.01	3819717.07	6.8502E-06	2.88E-05	2.59E-06	5.71E-06	2.11E-05	1.86E-06	6.47E-07	3.70E-06	4.42E-07	5.88E-07	1.94E-06	1.34E-07
6795	468877.5	3819708.12	6.6771E-06	2.80E-05	2.53E-06	5.56E-06	2.06E-05	1.81E-06	6.31E-07	3.61E-06	4.31E-07	5.73E-07	1.89E-06	1.30E-07
6796	468873.98	3819699.16	6.5039E-06	2.73E-05	2.46E-06	5.42E-06	2.01E-05	1.77E-06	6.14E-07	3.52E-06	4.20E-07	5.58E-07	1.84E-06	1.27E-07
6797	468870.46	3819690.21	6.3403E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.99E-07	3.43E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
6798	468866.95	3819681.26	6.1768E-06	2.59E-05	2.34E-06	5.14E-06	1.91E-05	1.68E-06	5.83E-07	3.34E-06	3.98E-07	5.30E-07	1.75E-06	1.21E-07
6799	468863.43	3819672.3	6.0228E-06	2.53E-05	2.28E-06	5.02E-06	1.86E-05	1.63E-06	5.69E-07	3.26E-06	3.88E-07	5.17E-07	1.70E-06	1.18E-07
6800	468859.91	3819663.35	5.8785E-06	2.47E-05	2.22E-06	4.90E-06	1.81E-05	1.60E-06	5.55E-07	3.18E-06	3.79E-07	5.05E-07	1.66E-06	1.15E-07
6801	468856.4	3819654.39	0.000005739	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.42E-07	3.10E-06	3.70E-07	4.93E-07	1.62E-06	1.12E-07
6802	468852.88	3819645.44	5.5995E-06	2.35E-05	2.12E-06	4.66E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.58E-06	1.09E-07
6803	468849.36	3819636.48	5.4648E-06	2.30E-05	2.07E-06	4.55E-06	1.69E-05	1.48E-06	5.16E-07	2.95E-06	3.52E-07	4.69E-07	1.55E-06	1.07E-07
6804	468845.85	3819627.53	5.3349E-06	2.24E-05	2.02E-06	4.44E-06	1.65E-05	1.45E-06	5.04E-07	2.88E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
6805	468842.33	3819618.57	5.2098E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.41E-06	4.92E-07	2.82E-06	3.36E-07	4.47E-07	1.47E-06	1.02E-07
6806	468838.82	3819609.62	5.0944E-06	2.14E-05	1.93E-06	4.24E-06	1.57E-05	1.38E-06	4.81E-07	2.75E-06	3.29E-07	4.37E-07	1.44E-06	9.94E-08
6807	468835.3	3819600.67	4.9789E-06	2.09E-05	1.88E-06	4.15E-06	1.54E-05	1.35E-06	4.70E-07	2.69E-06	3.21E-07	4.27E-07	1.41E-06	9.72E-08
6808	468831.78	3819591.71	4.8731E-06	2.05E-05	1.84E-06	4.06E-06	1.50E-05	1.32E-06	4.60E-07	2.63E-06	3.14E-07	4.18E-07	1.38E-06	9.51E-08
6809	468828.27	3819582.76	4.7673E-06	2.00E-05	1.80E-06	3.97E-06	1.47E-05	1.29E-06	4.50E-07	2.58E-06	3.07E-07	4.09E-07	1.35E-06	9.30E-08
6810	468824.75	3819573.8	4.6662E-06	1.96E-05	1.76E-06	3.89E-06	1.44E-05	1.27E-06	4.41E-07	2.52E-06	3.01E-07	4.01E-07	1.32E-06	9.10E-08
6811	468821.23	3819564.85	4.5748E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.93E-07	1.29E-06	8.93E-08
6812	468817.72	3819555.89	4.1563E-06	1.75E-05	1.57E-06	3.46E-06	1.28E-05	1.13E-06	3.92E-07	2.25E-06	2.68E-07	3.57E-07	1.18E-06	8.11E-08
6813	468814.2	3819546.94	4.0649E-06	1.71E-05	1.54E-06	3.39E-06	1.25E-05	1.10E-06	3.84E-07	2.20E-06	2.62E-07	3.49E-07	1.15E-06	7.93E-08
6814	468810.68	3819537.98	0.000003988	1.67E-05	1.51E-06	3.32E-06	1.23E-05	1.08E-06	3.77E-07	2.16E-06	2.57E-07	3.42E-07	1.13E-06	7.78E-08
6815	468807.17	3819529.03	3.9206E-06	1.65E-05	1.48E-06	3.27E-06	1.21E-05	1.06E-06	3.70E-07	2.12E-06	2.53E-07	3.37E-07	1.11E-06	7.65E-08
6816	468803.65	3819520.07	3.8629E-06	1.62E-05	1.46E-06	3.22E-06	1.19E-05	1.05E-06	3.65E-07	2.09E-06	2.49E-07	3.32E-07	1.09E-06	7.54E-08
6817	468800.13	3819511.12	3.8148E-06	1.60E-05	1.44E-06	3.18E-06	1.18E-05	1.04E-06	3.60E-07	2.06E-06	2.46E-07	3.27E-07	1.08E-06	7.44E-08
6818	468796.62	3819502.17	3.7715E-06	1.58E-05	1.43E-06	3.14E-06	1.16E-05	1.02E-06	3.56E-07	2.04E-06	2.43E-07	3.24E-07	1.07E-06	7.36E-08
6819	468793.1	3819493.21	3.7234E-06	1.56E-05	1.41E-06	3.10E-06	1.15E-05	1.01E-06	3.52E-07	2.01E-06	2.40E-07	3.20E-07	1.05E-06	7.27E-08
6820	468789.58	3819484.26	3.6753E-06	1.54E-05	1.39E-06	3.06E-06	1.13E-05	9.98E-07	3.47E-07	1.99E-06	2.37E-07	3.16E-07	1.04E-06	7.17E-08
6821	468786.07	3819475.3	0.000003632	1.53E-05	1.37E-06	3.03E-06	1.12E-05	9.86E-07	3.43E-07	1.96E-06	2.34E-07	3.12E-07	1.03E-06	7.09E-08
6822	468782.55	3819466.35	3.5935E-06	1.51E-05	1.36E-06	2.99E-06	1.11E-05	9.75E-07	3.39E-07	1.94E-06	2.32E-07	3.08E-07	1.02E-06	7.01E-08
6823	468779.03	3819457.39	3.5598E-06	1.50E-05	1.35E-06	2.97E-06	1.10E-05	9.66E-07	3.36E-07	1.92E-06	2.30E-07	3.06E-07	1.01E-06	6.95E-08
6824	468775.52	3819448.44	0.000003531	1.48E-05	1.34E-06	2.94E-06	1.09E-05	9.59E-07	3.33E-07	1.91E-06	2.28E-07	3.03E-07	9.99E-07	6.89E-08
6825	468772	3819439.48	3.4973E-06	1.47E-05	1.32E-06	2.91E-06	1.08E-05	9.49E-07	3.30E-07	1.89E-06	2.26E-07	3.00E-07	9.90E-07	6.82E-08
6826	468768.49	3819430.53	3.4684E-06	1.46E-05	1.31E-06	2.89E-06	1.07E-05	9.42E-07	3.28E-07	1.88E-06	2.24E-07	2.98E-07	9.82E-07	6.77E-08
6827	470086.05	3820788.27	0.000038417	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
6828	470095.74	3820788.41	0.000038172	1.60E-04	1.44E-05	3.18E-05	1.18E-04	1.04E-05	3.60E-06	2.06E-05	2.46E-06	3.28E-06	1.08E-05	7.45E-07
6829	470105.44	3820788.54	0.000037912	1.59E-04	1.43E-05	3.16E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.45E-06	3.25E-06	1.07E-05	7.40E-07
6830	470115.14	3820788.68	0.000037647	1.58E-04	1.42E-05	3.14E-05	1.16E-04	1.02E-05	3.56E-06	2.04E-05	2.43E-06	3.23E-06	1.07E-05	7.35E-07
6831	470124.84	3820788.81	0.000037378	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.53E-06	2.02E-05	2.41E-06	3.21E-06	1.06E-05	7.29E-07
6832	470134.53	3820788.95	0.000037099	1.56E-04	1.40E-05	3.09E-05	1.14E-04	1.01E-05	3.50E-06	2.01E-05	2.39E-06	3.18E-06	1.05E-05	7.24E-07
6833	470144.23	3820789.08	0.00003681	1.55E-04	1.39E-05	3.07E-05	1.14E-04	9.99E-06	3.48E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.18E-07
6834	470153.93	3820789.22	0.000036522	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.91E-06	3.45E-06	1.97E-05	2.36E-06	3.14E-06	1.03E-05	7.13E-07
6835	470163.62	3820789.35	0.000036219	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.83E-06	3.42E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.07E-07
6836	470173.32	3820789.49	0.00003592	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.75E-06	3.39E-06	1.94E-05	2.32E-06	3.08E-06	1.02E-05	7.01E-07
6837	470183.02	3820789.62	0.000035613	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.67E-06	3.36E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.95E-07
6838	470192.72	3820789.76	0.000035305	1.48E-04	1.34E-05	2.94E-05	1.09E-04	9.58E-06	3.33E-06	1.91E-05	2.28E-06	3.03E-06	9.99E-06	6.89E-07
6839	470202.41	3820789.89	0.000034997	1.47E-04	1.32E-05	2.92E-05	1.08E-04	9.50E-06	3.30E-06	1.89E-05	2.26E-06	3.00E-06	9.91E-06	6.83E-07
6840	470212.11	3820790.03	0.000034694	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.42E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.82E-06	6.77E-07
6841	470221.81	3820790.16	0.000034381	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.33E-06	3.25E-06	1.86E-05	2.22E-06	2.95E-06	9.73E-06	6.71E-07
6842	470231.51	3820790.3	0.000034083	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.65E-06	6.65E-07
6843	470241.2	3820790.43	0.00003378	1.42E-04	1.28E-05	2.81E-05	1.04E-04	9.17E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.56E-06	6.59E-07
6844	470250.9	3820790.57	0.000033482	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.48E-06	6.53E-07
6845	470260.6	3820790.7	0.000033188	1.39E-04	1.26E-05	2.76E-05	1.02E-04	9.01E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.39E-06	6.48E-07
6846	470076.07	3820864.43	0.000035271	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.57E-06	3.33E-06	1.91E-05	2.27E-06	3.03E-06	9.98E-06	6.88E-07
6847	470067.21	3820860.6	0.000035598	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.66E-06	3.36E-06	1.92E-05	2.30E-06	3.06E-06	1.01E-05	6.95E-07
6848	470058.35	3820856.77	0.00003592	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.75E-06	3.39E-06	1.94E-05	2.32E-06	3.08E-06	1.02E-05	7.01E-07
6849	470049.49	3820852.94	0.000036233	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.84E-06	3.42E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.07E-07
6850	469969.75	3820818.45	0.000038561	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.08E-05	2.49E-06	3.31E-06	1.09E-05	7.52E-07
6851	469960.89	3820814.62	0.000038739	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.09E-05	2.50E-06	3.33E-06	1.10E-05	7.56E-07
6852	469952.03	3820810.79	0.000038908	1.63E-04	1.47E-05	3.24E-05	1.20E-04	1.06E-05	3.67E-06	2.10E-05	2.51E-06	3.34E-06	1.10E-05	7.59E-07
6853	469943.17	3820806.96	0.000039062	1.64E-04	1.48E-05	3.25E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.35E-06	1.11E-05	7.62E-07
6854	469934.31	3820803.13	0.000039196	1.65E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.36E-06	1.11E-05	7.65E-07
6855	469925.45	3820799.3	0.000039312	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.13E-05	2.54E-06	3.37E-06	1.11E-05	7.67E-07
6856	469916.59	3820795.46	0.000039408	1.66E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.12E-05	7.69E-07
6857	469907.73	3820791.63	0.00003949	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.71E-07
6858	469898.87	3820787.8	0.000039548	1.66E-04	1.50E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.72E-07

6859	469890.01	3820783.97	0.000039577	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.07E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.72E-07
6860	469881.15	3820780.14	0.000039591	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.07E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.73E-07
6861	469872.29	3820776.31	0.000039586	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.07E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.72E-07
6862	469863.42	3820772.48	0.000039562	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.07E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.72E-07
6863	469854.56	3820768.64	0.000039524	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.14E-05	2.55E-06	3.39E-06	1.12E-05	7.71E-07
6864	469845.7	3820764.81	0.000039461	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.70E-07
6865	469836.84	3820760.98	0.000039384	1.65E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.69E-07
6866	469827.98	3820757.15	0.000039293	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.67E-07
6867	469819.12	3820753.32	0.000039182	1.65E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.36E-06	1.11E-05	7.65E-07
6868	469810.26	3820749.49	0.000039062	1.64E-04	1.48E-05	3.25E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.35E-06	1.11E-05	7.62E-07
6869	469801.4	3820745.66	0.000038922	1.63E-04	1.47E-05	3.24E-05	1.20E-04	1.06E-05	3.68E-06	2.10E-05	2.51E-06	3.34E-06	1.10E-05	7.59E-07
6870	469792.54	3820741.82	0.000038768	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.56E-07
6871	469783.68	3820737.99	0.0000386	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
6872	469774.82	3820734.16	0.000038417	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
6873	469765.96	3820730.33	0.00003822	1.61E-04	1.45E-05	3.18E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.47E-06	3.28E-06	1.08E-05	7.46E-07
6874	469757.1	3820726.5	0.000038008	1.60E-04	1.44E-05	3.17E-05	1.17E-04	1.03E-05	3.59E-06	2.05E-05	2.45E-06	3.26E-06	1.08E-05	7.42E-07
6875	469748.24	3820722.67	0.000037787	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.57E-06	2.04E-05	2.44E-06	3.24E-06	1.07E-05	7.37E-07
6876	469739.38	3820718.84	0.000037556	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.33E-07
6877	469730.52	3820715	0.000037316	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.52E-06	2.02E-05	2.41E-06	3.20E-06	1.06E-05	7.28E-07
6878	469721.66	3820711.17	0.00003707	1.56E-04	1.40E-05	3.09E-05	1.14E-04	1.01E-05	3.50E-06	2.00E-05	2.39E-06	3.18E-06	1.05E-05	7.23E-07
6879	469712.8	3820707.34	0.000036815	1.55E-04	1.39E-05	3.07E-05	1.14E-04	9.99E-06	3.48E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.18E-07
6880	469703.94	3820703.51	0.000036555	1.54E-04	1.38E-05	3.04E-05	1.13E-04	9.92E-06	3.45E-06	1.98E-05	2.36E-06	3.14E-06	1.03E-05	7.13E-07
6881	469624.2	3820669.03	0.000034059	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.92E-06	9.64E-06	6.65E-07
6882	469615.33	3820665.2	0.00003378	1.42E-04	1.28E-05	2.81E-05	1.04E-04	9.17E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.56E-06	6.59E-07
6883	469606.47	3820661.36	0.000033506	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.10E-06	3.16E-06	1.81E-05	2.16E-06	2.88E-06	9.48E-06	6.54E-07
6884	469597.61	3820657.53	0.000033227	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.02E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.41E-06	6.48E-07
6885	469588.75	3820653.7	0.000032957	1.38E-04	1.25E-05	2.75E-05	1.02E-04	8.95E-06	3.11E-06	1.78E-05	2.13E-06	2.83E-06	9.33E-06	6.43E-07
6886	469579.89	3820649.87	0.000032683	1.37E-04	1.24E-05	2.72E-05	1.01E-04	8.87E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.25E-06	6.38E-07
6887	469571.03	3820646.04	0.000032409	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.17E-06	6.32E-07
6888	469562.17	3820642.21	0.000032144	1.35E-04	1.22E-05	2.68E-05	9.92E-05	8.73E-06	3.04E-06	1.74E-05	2.07E-06	2.76E-06	9.10E-06	6.27E-07
6889	469553.31	3820638.38	0.000031884	1.34E-04	1.21E-05	2.66E-05	9.84E-05	8.66E-06	3.01E-06	1.72E-05	2.06E-06	2.74E-06	9.03E-06	6.22E-07
6890	469544.45	3820634.54	0.000031634	1.33E-04	1.20E-05	2.63E-05	9.76E-05	8.59E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.95E-06	6.17E-07
6891	469535.59	3820630.71	0.000031384	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.52E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
6892	469526.73	3820626.88	0.000031144	1.31E-04	1.18E-05	2.59E-05	9.61E-05	8.45E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.82E-06	6.08E-07
6893	469517.87	3820623.05	0.000030903	1.30E-04	1.17E-05	2.57E-05	9.54E-05	8.39E-06	2.92E-06	1.67E-05	1.99E-06	2.65E-06	8.75E-06	6.03E-07
6894	469509.01	3820619.22	0.000030667	1.29E-04	1.16E-05	2.55E-05	9.46E-05	8.32E-06	2.90E-06	1.66E-05	1.98E-06	2.63E-06	8.68E-06	5.98E-07
6895	469500.15	3820615.39	0.000030432	1.28E-04	1.15E-05	2.53E-05	9.39E-05	8.26E-06	2.87E-06	1.65E-05	1.96E-06	2.61E-06	8.61E-06	5.94E-07
6896	469491.29	3820611.56	0.000030206	1.27E-04	1.14E-05	2.52E-05	9.32E-05	8.20E-06	2.85E-06	1.63E-05	1.95E-06	2.59E-06	8.55E-06	5.89E-07
6897	469482.43	3820607.72	0.000029984	1.26E-04	1.13E-05	2.50E-05	9.25E-05	8.14E-06	2.83E-06	1.62E-05	1.93E-06	2.57E-06	8.49E-06	5.85E-07
6898	469473.57	3820603.89	0.000029773	1.25E-04	1.13E-05	2.48E-05	9.19E-05	8.08E-06	2.81E-06	1.61E-05	1.92E-06	2.56E-06	8.43E-06	5.81E-07
6899	469464.71	3820600.06	0.000029571	1.24E-04	1.12E-05	2.46E-05	9.12E-05	8.03E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.37E-06	5.77E-07
6900	469455.85	3820596.23	0.000029368	1.23E-04	1.11E-05	2.45E-05	9.06E-05	7.97E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.31E-06	5.73E-07
6901	469446.99	3820592.4	0.000029171	1.23E-04	1.10E-05	2.43E-05	9.00E-05	7.92E-06	2.75E-06	1.58E-05	1.88E-06	2.50E-06	8.26E-06	5.69E-07
6902	469438.13	3820588.57	0.000028974	1.22E-04	1.10E-05	2.41E-05	8.94E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.20E-06	5.65E-07
6903	469429.27	3820584.73	0.000028782	1.21E-04	1.09E-05	2.40E-05	8.88E-05	7.81E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.15E-06	5.62E-07
6904	469420.41	3820580.9	0.000028594	1.20E-04	1.08E-05	2.38E-05	8.82E-05	7.76E-06	2.70E-06	1.55E-05	1.84E-06	2.45E-06	8.09E-06	5.58E-07
6905	469411.55	3820577.07	0.000028411	1.19E-04	1.07E-05	2.37E-05	8.77E-05	7.71E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.04E-06	5.54E-07
6906	469402.69	3820573.24	0.000028233	1.19E-04	1.07E-05	2.35E-05	8.71E-05	7.66E-06	2.67E-06	1.53E-05	1.82E-06	2.42E-06	7.99E-06	5.51E-07
6907	469393.83	3820569.41	0.00002806	1.18E-04	1.06E-05	2.34E-05	8.66E-05	7.62E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.94E-06	5.48E-07
6908	469384.97	3820565.58	0.000027882	1.17E-04	1.05E-05	2.32E-05	8.60E-05	7.57E-06	2.63E-06	1.51E-05	1.80E-06	2.39E-06	7.89E-06	5.44E-07
6909	469376.11	3820561.75	0.000027709	1.16E-04	1.05E-05	2.31E-05	8.55E-05	7.52E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.84E-06	5.41E-07
6910	469367.25	3820557.91	0.000027536	1.16E-04	1.04E-05	2.29E-05	8.50E-05	7.48E-06	2.60E-06	1.49E-05	1.78E-06	2.36E-06	7.79E-06	5.37E-07
6911	469358.38	3820554.08	0.000027362	1.15E-04	1.03E-05	2.28E-05	8.44E-05	7.43E-06	2.58E-06	1.48E-05	1.76E-06	2.35E-06	7.75E-06	5.34E-07
6912	469349.52	3820550.25	0.000027194	1.14E-04	1.03E-05	2.27E-05	8.39E-05	7.38E-06	2.57E-06	1.47E-05	1.75E-06	2.33E-06	7.70E-06	5.31E-07
6913	469340.66	3820546.42	0.000027026	1.14E-04	1.02E-05	2.25E-05	8.34E-05	7.34E-06	2.55E-06	1.46E-05	1.74E-06	2.32E-06	7.65E-06	5.27E-07
6914	469331.8	3820542.59	0.000026857	1.13E-04	1.02E-05	2.24E-05	8.29E-05	7.29E-06	2.54E-06	1.45E-05	1.73E-06	2.31E-06	7.60E-06	5.24E-07
6915	469296.36	3820527.26	0.000026189	1.10E-04	9.90E-06	2.18E-05	8.08E-05	7.11E-06	2.47E-06	1.42E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
6916	469287.5	3820523.43	0.000026016	1.09E-04	9.84E-06	2.17E-05	8.03E-05	7.06E-06	2.46E-06	1.41E-05	1.68E-06	2.23E-06	7.36E-06	5.08E-07
6917	469278.64	3820519.6	0.000025842	1.09E-04	9.77E-06	2.15E-05	7.97E-05	7.02E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.32E-06	5.04E-07
6918	469269.78	3820515.77	0.000025669	1.08E-04	9.71E-06	2.14E-05	7.92E-05	6.97E-06	2.42E-06	1.39E-05	1.66E-06	2.20E-06	7.27E-06	5.01E-07
6919	469260.92	3820511.94	0.000025486	1.07E-04	9.64E-06	2.12E-05	7.86E-05	6.92E-06	2.41E-06	1.38E-05	1.64E-06	2.19E-06	7.21E-06	4.97E-07
6920	469252.06	3820508.11	0.000025304	1.06E-04	9.57E-06	2.11E-05	7.81E-05	6.87E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.16E-06	4.94E-07
6921	469243.2	3820504.27	0.000025121	1.06E-04	9.50E-06	2.09E-05	7.75E-05	6.82E-06	2.37E-06	1.36E-05	1.62E-06	2.16E-06	7.11E-06	4.90E-07
6922	469234.34	3820500.44	0.000024933	1.05E-04	9.43E-06	2.08E-05	7.69E-05	6.77E-06	2.35E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.87E-07
6923	469225.48	3820496.61	0.000024746	1.04E-04	9.36E-06	2.06E-05	7.64E-05	6.72E-06	2.34E-06	1.34E-05	1.60E-06	2.12E-06	7.00E-06	4.83E-07
6924	469216.62	3820492.78	0.000024553	1.03E-04	9.29E-06	2.05E-05	7.58E-05	6.67E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.95E-06	4.79E-07
6925	469207.76	3820488.95	0.000024361	1.02E-04	9.21E-06	2.03E-05	7.52E-05	6.61E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.90E-06	4.75E-07
6926	469198.9	3820485.12	0.000024163	1.01E-04	9.14E-06	2.01E-05	7.46E-05	6.56E-06	2.28E-06	1.31E-05	1.56E-06	2.07E-06	6.84E-06	4.71E-07
6927	469190.04	3820481.29	0.000023966	1.01E-04	9.06E-06	2.00E-05	7.40E-05	6.51E-06	2.26E-06	1.30E-05	1.55E-06	2.06E-06	6.78E-06	4.68E-07
6928	469181.18	3820477.45	0.000023759	9.98E-05	8.99E-06	1.98E-05	7.33E-05	6.45E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.73E-06	4.64E-07
6929	469172.32	3820473.62	0.000023557	9.89E-05	8.91E-06	1.96E-05	7.27E-05	6.39E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.67E-06	4.60E-07
6930	469163.46	3820469.79	0.00002335	9.81E-05	8.83E-06	1.94E-05	7.21E-05	6.34E-06	2.20E-06	1.26E-05	1.51E-06	2.00E-06	6.61E-06	4.56E-07
6931	469154.6	3820465.96	0.000023139	9.72E-05	8.75E-06	1.93E-05	7.14E-05	6.28E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.55E-06	4.52E-07

6932	469145.74	3820462.13	0.000022922	9.63E-05	8.67E-06	1.91E-05	7.07E-05	6.22E-06	2.16E-06	1.24E-05	1.48E-06	1.97E-06	6.49E-06	4.47E-07
6933	469136.88	3820458.3	0.000022706	9.54E-05	8.59E-06	1.89E-05	7.01E-05	6.16E-06	2.14E-06	1.23E-05	1.46E-06	1.95E-06	6.43E-06	4.43E-07
6934	469128.02	3820454.47	0.000022485	9.44E-05	8.50E-06	1.87E-05	6.94E-05	6.10E-06	2.12E-06	1.22E-05	1.45E-06	1.93E-06	6.36E-06	4.39E-07
6935	469119.16	3820450.63	0.000022258	9.35E-05	8.42E-06	1.85E-05	6.87E-05	6.04E-06	2.10E-06	1.20E-05	1.44E-06	1.91E-06	6.30E-06	4.34E-07
6936	469110.3	3820446.8	0.000022028	9.25E-05	8.33E-06	1.83E-05	6.80E-05	5.98E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.24E-06	4.30E-07
6937	469101.43	3820442.97	0.000021792	9.15E-05	8.24E-06	1.82E-05	6.72E-05	5.92E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.17E-06	4.25E-07
6938	469092.57	3820439.14	0.000021551	9.05E-05	8.15E-06	1.80E-05	6.65E-05	5.85E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.10E-06	4.21E-07
6939	469080.19	3820426.32	0.000021248	8.92E-05	8.04E-06	1.77E-05	6.56E-05	5.77E-06	2.01E-06	1.15E-05	1.37E-06	1.82E-06	6.01E-06	4.15E-07
6940	469076.66	3820417.34	0.000021176	8.89E-05	8.01E-06	1.76E-05	6.53E-05	5.75E-06	2.00E-06	1.14E-05	1.37E-06	1.82E-06	5.99E-06	4.13E-07
6941	469073.13	3820408.35	0.000021094	8.86E-05	7.98E-06	1.76E-05	6.51E-05	5.73E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.97E-06	4.12E-07
6942	469069.6	3820399.37	0.000021008	8.82E-05	7.94E-06	1.75E-05	6.48E-05	5.70E-06	1.98E-06	1.14E-05	1.36E-06	1.80E-06	5.95E-06	4.10E-07
6943	469066.07	3820390.38	0.000020916	8.78E-05	7.91E-06	1.74E-05	6.45E-05	5.68E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.92E-06	4.08E-07
6944	469062.54	3820381.4	0.00002082	8.74E-05	7.87E-06	1.73E-05	6.42E-05	5.65E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
6945	469059.01	3820372.41	0.000020714	8.70E-05	7.83E-06	1.73E-05	6.39E-05	5.62E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.86E-06	4.04E-07
6946	469055.49	3820363.43	0.000020604	8.65E-05	7.79E-06	1.72E-05	6.36E-05	5.59E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.83E-06	4.02E-07
6947	469051.96	3820354.44	0.000020488	8.60E-05	7.75E-06	1.71E-05	6.32E-05	5.56E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.80E-06	4.00E-07
6948	469048.43	3820345.46	0.000020368	8.55E-05	7.70E-06	1.70E-05	6.29E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.77E-06	3.97E-07
6949	469044.9	3820336.47	0.000020238	8.50E-05	7.65E-06	1.69E-05	6.25E-05	5.49E-06	1.91E-06	1.09E-05	1.31E-06	1.74E-06	5.73E-06	3.95E-07
6950	469041.37	3820327.49	0.000020103	8.44E-05	7.60E-06	1.67E-05	6.20E-05	5.46E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.69E-06	3.92E-07
6951	469037.84	3820318.5	0.000019959	8.38E-05	7.55E-06	1.66E-05	6.16E-05	5.42E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.65E-06	3.89E-07
6952	469034.31	3820309.51	0.00001981	8.32E-05	7.49E-06	1.65E-05	6.11E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.61E-06	3.87E-07
6953	469030.79	3820300.53	0.000019656	8.25E-05	7.43E-06	1.64E-05	6.07E-05	5.34E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.84E-07
6954	469027.26	3820291.54	0.000019497	8.19E-05	7.37E-06	1.62E-05	6.02E-05	5.29E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.52E-06	3.80E-07
6955	469023.73	3820282.56	0.000019334	8.12E-05	7.31E-06	1.61E-05	5.97E-05	5.25E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.47E-06	3.77E-07
6956	469020.2	3820273.57	0.00001916	8.05E-05	7.25E-06	1.60E-05	5.91E-05	5.20E-06	1.81E-06	1.04E-05	1.24E-06	1.64E-06	5.42E-06	3.74E-07
6957	469016.67	3820264.59	0.000018987	7.97E-05	7.18E-06	1.58E-05	5.86E-05	5.15E-06	1.79E-06	1.03E-05	1.22E-06	1.63E-06	5.37E-06	3.70E-07
6958	469013.14	3820255.6	0.000018809	7.90E-05	7.11E-06	1.57E-05	5.80E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.61E-06	5.32E-06	3.67E-07
6959	469009.61	3820246.62	0.000018622	7.82E-05	7.04E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.27E-06	3.63E-07
6960	469006.09	3820237.63	0.000018429	7.74E-05	6.97E-06	1.54E-05	5.69E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
6961	469002.56	3820228.65	0.000018237	7.66E-05	6.90E-06	1.52E-05	5.63E-05	4.95E-06	1.72E-06	9.86E-06	1.18E-06	1.57E-06	5.16E-06	3.56E-07
6962	468999.03	3820219.66	0.000018035	7.57E-05	6.82E-06	1.50E-05	5.57E-05	4.90E-06	1.70E-06	9.75E-06	1.16E-06	1.55E-06	5.10E-06	3.52E-07
6963	468995.5	3820210.68	0.000017833	7.49E-05	6.74E-06	1.49E-05	5.50E-05	4.84E-06	1.68E-06	9.64E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
6964	468991.97	3820201.69	0.000017626	7.40E-05	6.67E-06	1.47E-05	5.44E-05	4.78E-06	1.66E-06	9.53E-06	1.14E-06	1.51E-06	4.99E-06	3.44E-07
6965	468988.44	3820192.71	0.000017414	7.31E-05	6.59E-06	1.45E-05	5.37E-05	4.73E-06	1.64E-06	9.41E-06	1.12E-06	1.49E-06	4.93E-06	3.40E-07
6966	468984.91	3820183.72	0.000017198	7.22E-05	6.50E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.30E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
6967	468981.39	3820174.74	0.000016976	7.13E-05	6.42E-06	1.41E-05	5.24E-05	4.61E-06	1.60E-06	9.18E-06	1.09E-06	1.46E-06	4.81E-06	3.31E-07
6968	468977.86	3820165.75	0.000016755	7.04E-05	6.34E-06	1.40E-05	5.17E-05	4.55E-06	1.58E-06	9.06E-06	1.08E-06	1.44E-06	4.74E-06	3.27E-07
6969	468974.33	3820156.77	0.000016529	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.49E-06	1.56E-06	8.94E-06	1.07E-06	1.42E-06	4.68E-06	3.23E-07
6970	468970.8	3820147.78	0.000016298	6.84E-05	6.16E-06	1.36E-05	5.03E-05	4.42E-06	1.54E-06	8.81E-06	1.05E-06	1.40E-06	4.61E-06	3.18E-07
6971	468967.27	3820138.79	0.000016067	6.75E-05	6.08E-06	1.34E-05	4.96E-05	4.36E-06	1.52E-06	8.69E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
6972	468963.74	3820129.81	0.000015832	6.65E-05	5.99E-06	1.32E-05	4.89E-05	4.30E-06	1.50E-06	8.56E-06	1.02E-06	1.36E-06	4.48E-06	3.09E-07
6973	468960.21	3820120.82	0.000015596	6.55E-05	5.90E-06	1.30E-05	4.81E-05	4.23E-06	1.47E-06	8.43E-06	1.01E-06	1.34E-06	4.41E-06	3.04E-07
6974	468956.69	3820111.84	0.000015351	6.45E-05	5.81E-06	1.28E-05	4.74E-05	4.17E-06	1.45E-06	8.30E-06	9.90E-07	1.32E-06	4.35E-06	3.00E-07
6975	468953.16	3820102.85	0.000015105	6.34E-05	5.71E-06	1.26E-05	4.66E-05	4.10E-06	1.43E-06	8.17E-06	9.74E-07	1.30E-06	4.28E-06	2.95E-07
6976	468949.63	3820093.87	0.00001486	6.24E-05	5.62E-06	1.24E-05	4.59E-05	4.03E-06	1.40E-06	8.03E-06	9.58E-07	1.28E-06	4.21E-06	2.90E-07
6977	468946.1	3820084.88	0.000014614	6.14E-05	5.53E-06	1.22E-05	4.51E-05	3.97E-06	1.38E-06	7.90E-06	9.43E-07	1.25E-06	4.14E-06	2.85E-07
6978	468942.57	3820075.9	0.000014369	6.03E-05	5.43E-06	1.20E-05	4.43E-05	3.90E-06	1.36E-06	7.77E-06	9.27E-07	1.23E-06	4.07E-06	2.80E-07
6979	468939.04	3820066.91	0.000014124	5.93E-05	5.34E-06	1.18E-05	4.36E-05	3.83E-06	1.33E-06	7.64E-06	9.11E-07	1.21E-06	4.00E-06	2.76E-07
6980	468935.51	3820057.93	0.000013878	5.83E-05	5.25E-06	1.16E-05	4.28E-05	3.77E-06	1.31E-06	7.50E-06	8.95E-07	1.19E-06	3.93E-06	2.71E-07
6981	468914.34	3820004.02	0.000012387	5.20E-05	4.68E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.70E-06	7.99E-07	1.06E-06	3.51E-06	2.42E-07
6982	468910.81	3819995.03	0.000012132	5.10E-05	4.59E-06	1.01E-05	3.74E-05	3.29E-06	1.15E-06	6.56E-06	7.83E-07	1.04E-06	3.43E-06	2.37E-07
6983	468907.29	3819986.05	0.000011877	4.99E-05	4.49E-06	9.89E-06	3.67E-05	3.22E-06	1.12E-06	6.42E-06	7.66E-07	1.02E-06	3.36E-06	2.32E-07
6984	468903.76	3819977.06	0.000011627	4.88E-05	4.40E-06	9.68E-06	3.59E-05	3.16E-06	1.10E-06	6.29E-06	7.50E-07	9.98E-07	3.29E-06	2.27E-07
6985	468900.23	3819968.07	0.000011382	4.78E-05	4.30E-06	9.48E-06	3.51E-05	3.09E-06	1.07E-06	6.15E-06	7.34E-07	9.77E-07	3.22E-06	2.22E-07
6986	468896.7	3819959.09	0.000011141	4.68E-05	4.21E-06	9.28E-06	3.44E-05	3.02E-06	1.05E-06	6.02E-06	7.19E-07	9.56E-07	3.15E-06	2.17E-07
6987	468893.17	3819950.1	0.000010901	4.58E-05	4.12E-06	9.08E-06	3.36E-05	2.96E-06	1.03E-06	5.89E-06	7.03E-07	9.36E-07	3.09E-06	2.13E-07
6988	468889.64	3819941.12	0.000010665	4.48E-05	4.03E-06	8.88E-06	3.29E-05	2.90E-06	1.01E-06	5.77E-06	6.88E-07	9.16E-07	3.02E-06	2.08E-07
6989	468886.11	3819932.13	0.000010429	4.38E-05	3.94E-06	8.69E-06	3.22E-05	2.83E-06	9.85E-07	5.64E-06	6.73E-07	8.95E-07	2.95E-06	2.04E-07
6990	468882.59	3819923.15	0.000010198	4.28E-05	3.86E-06	8.49E-06	3.15E-05	2.77E-06	9.63E-07	5.51E-06	6.58E-07	8.75E-07	2.89E-06	1.99E-07
6991	468879.06	3819914.16	9.9675E-06	4.19E-05	3.77E-06	8.30E-06	3.08E-05	2.71E-06	9.41E-07	5.39E-06	6.43E-07	8.56E-07	2.82E-06	1.94E-07
6992	468875.53	3819905.18	9.7414E-06	4.09E-05	3.68E-06	8.11E-06	3.01E-05	2.64E-06	9.20E-07	5.27E-06	6.28E-07	8.36E-07	2.76E-06	1.90E-07
6993	468872	3819896.19	9.5153E-06	4.00E-05	3.60E-06	7.93E-06	2.94E-05	2.58E-06	8.99E-07	5.14E-06	6.14E-07	8.17E-07	2.69E-06	1.86E-07
6994	468868.47	3819887.21	0.000009294	3.90E-05	3.51E-06	7.74E-06	2.87E-05	2.52E-06	8.78E-07	5.02E-06	5.99E-07	7.98E-07	2.63E-06	1.81E-07
6995	468864.94	3819878.22	9.0775E-06	3.81E-05	3.43E-06	7.56E-06	2.80E-05	2.46E-06	8.57E-07	4.91E-06	5.86E-07	7.79E-07	2.57E-06	1.77E-07
6996	468861.41	3819869.24	8.8611E-06	3.72E-05	3.35E-06	7.38E-06	2.73E-05	2.41E-06	8.37E-07	4.79E-06	5.72E-07	7.61E-07	2.51E-06	1.73E-07
6997	468857.88	3819860.25	8.6494E-06	3.63E-05	3.27E-06	7.20E-06	2.67E-05	2.35E-06	8.17E-07	4.68E-06	5.58E-07	7.43E-07	2.45E-06	1.69E-07
6998	468854.36	3819851.27	8.4425E-06	3.55E-05	3.19E-06	7.03E-06	2.61E-05	2.29E-06	7.97E-07	4.56E-06	5.45E-07	7.25E-07	2.39E-06	1.65E-07
6999	468850.83	3819842.28	8.2309E-06	3.46E-05	3.11E-06	6.86E-06	2.54E-05	2.23E-06	7.77E-07	4.45E-06	5.31E-07	7.07E-07	2.33E-06	1.61E-07
7000	468847.3	3819833.3	0.000008024	3.37E-05	3.03E-06	6.68E-06	2.48E-05	2.18E-06	7.58E-07	4.34E-06	5.18E-07	6.89E-07	2.27E-06	1.57E-07
7001	468843.77	3819824.31	7.8268E-06	3.29E-05	2.96E-06	6.52E-06	2.42E-05	2.12E-06	7.39E-07	4.23E-06	5.05E-07	6.72E-07	2.22E-06	1.53E-07
7002	468840.24	3819815.33	7.6344E-06	3.21E-05	2.89E-06	6.36E-06	2.36E-05	2.07E-06	7.21E-07	4.13E-06	4.92E-07	6.55E-07	2.16E-06	1.49E-07
7003	468836.71	3819806.34	7.4468E-06	3.13E-05	2.82E-06	6.20E-06	2.30E-05	2.02E-06	7.03E-07	4.03E-06	4.80E-07	6.39E-07	2.11E-06	1.45E-07
7004	468833.18	3819797.35	0.000007264	3.05E-05	2.75E-06	6.05E-06	2.24E-05	1.97E-06	6.86E-07	3.93E-06	4.69E-07	6.24E-07	2.06E-06	1.42E-07

7005	468829.66	3819788.37	0.000007086	2.98E-05	2.68E-06	5.90E-06	2.19E-05	1.92E-06	6.69E-07	3.83E-06	4.57E-07	6.08E-07	2.01E-06	1.38E-07
7006	468826.13	3819779.38	6.9128E-06	2.90E-05	2.61E-06	5.76E-06	2.13E-05	1.88E-06	6.53E-07	3.74E-06	4.46E-07	5.93E-07	1.96E-06	1.35E-07
7007	468822.6	3819770.4	6.7444E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
7008	468819.07	3819761.41	0.000006576	2.76E-05	2.49E-06	5.48E-06	2.03E-05	1.79E-06	6.21E-07	3.55E-06	4.24E-07	5.65E-07	1.86E-06	1.28E-07
7009	468815.54	3819752.43	6.4125E-06	2.69E-05	2.43E-06	5.34E-06	1.98E-05	1.74E-06	6.06E-07	3.47E-06	4.14E-07	5.50E-07	1.82E-06	1.25E-07
7010	468812.01	3819743.44	6.2537E-06	2.63E-05	2.37E-06	5.21E-06	1.93E-05	1.70E-06	5.91E-07	3.38E-06	4.03E-07	5.37E-07	1.77E-06	1.22E-07
7011	468808.48	3819734.46	6.0998E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.66E-06	5.76E-07	3.30E-06	3.93E-07	5.24E-07	1.73E-06	1.19E-07
7012	468804.96	3819725.47	5.9507E-06	2.50E-05	2.25E-06	4.96E-06	1.84E-05	1.62E-06	5.62E-07	3.22E-06	3.84E-07	5.11E-07	1.68E-06	1.16E-07
7013	468801.43	3819716.49	5.8063E-06	2.44E-05	2.20E-06	4.84E-06	1.79E-05	1.58E-06	5.48E-07	3.14E-06	3.75E-07	4.98E-07	1.64E-06	1.13E-07
7014	468797.9	3819707.5	5.6668E-06	2.38E-05	2.14E-06	4.72E-06	1.75E-05	1.54E-06	5.35E-07	3.06E-06	3.66E-07	4.86E-07	1.60E-06	1.11E-07
7015	468794.37	3819698.52	5.5321E-06	2.32E-05	2.09E-06	4.61E-06	1.71E-05	1.50E-06	5.22E-07	2.99E-06	3.57E-07	4.75E-07	1.57E-06	1.08E-07
7016	468790.84	3819689.53	5.4023E-06	2.27E-05	2.04E-06	4.50E-06	1.67E-05	1.47E-06	5.10E-07	2.92E-06	3.48E-07	4.64E-07	1.53E-06	1.05E-07
7017	468787.31	3819680.55	5.2724E-06	2.21E-05	1.99E-06	4.39E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
7018	468783.78	3819671.56	5.1521E-06	2.16E-05	1.95E-06	4.29E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.32E-07	4.42E-07	1.46E-06	1.01E-07
7019	468780.26	3819662.58	5.0318E-06	2.11E-05	1.90E-06	4.19E-06	1.55E-05	1.37E-06	4.75E-07	2.72E-06	3.25E-07	4.32E-07	1.42E-06	9.82E-08
7020	468776.73	3819653.59	4.9164E-06	2.06E-05	1.86E-06	4.10E-06	1.52E-05	1.33E-06	4.64E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.59E-08
7021	468773.2	3819644.61	4.8058E-06	2.02E-05	1.82E-06	4.00E-06	1.48E-05	1.30E-06	4.54E-07	2.60E-06	3.10E-07	4.13E-07	1.36E-06	9.38E-08
7022	468769.67	3819635.62	4.6999E-06	1.97E-05	1.78E-06	3.91E-06	1.45E-05	1.28E-06	4.44E-07	2.54E-06	3.03E-07	4.03E-07	1.33E-06	9.17E-08
7023	468766.14	3819626.63	4.5941E-06	1.93E-05	1.74E-06	3.83E-06	1.42E-05	1.25E-06	4.34E-07	2.48E-06	2.96E-07	3.94E-07	1.30E-06	8.96E-08
7024	468762.61	3819617.65	4.4979E-06	1.89E-05	1.70E-06	3.75E-06	1.39E-05	1.22E-06	4.25E-07	2.43E-06	2.90E-07	3.86E-07	1.27E-06	8.78E-08
7025	468759.08	3819608.66	4.0409E-06	1.70E-05	1.53E-06	3.37E-06	1.25E-05	1.10E-06	3.82E-07	2.18E-06	2.61E-07	3.47E-07	1.14E-06	7.88E-08
7026	468755.56	3819599.68	3.9591E-06	1.66E-05	1.50E-06	3.30E-06	1.22E-05	1.07E-06	3.74E-07	2.14E-06	2.55E-07	3.40E-07	1.12E-06	7.73E-08
7027	468752.03	3819590.69	3.8773E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.57E-08
7028	468748.5	3819581.71	3.7955E-06	1.59E-05	1.44E-06	3.16E-06	1.17E-05	1.03E-06	3.58E-07	2.05E-06	2.45E-07	3.26E-07	1.07E-06	7.41E-08
7029	468744.97	3819572.72	3.7186E-06	1.56E-05	1.41E-06	3.10E-06	1.15E-05	1.01E-06	3.51E-07	2.01E-06	2.40E-07	3.19E-07	1.05E-06	7.26E-08
7030	468741.44	3819563.74	3.6512E-06	1.53E-05	1.38E-06	3.04E-06	1.13E-05	9.91E-07	3.45E-07	1.97E-06	2.36E-07	3.13E-07	1.03E-06	7.12E-08
7031	468737.91	3819554.75	3.5935E-06	1.51E-05	1.36E-06	2.99E-06	1.11E-05	9.75E-07	3.39E-07	1.94E-06	2.32E-07	3.08E-07	1.02E-06	7.01E-08
7032	468734.38	3819545.77	0.000003531	1.48E-05	1.34E-06	2.94E-06	1.09E-05	9.59E-07	3.33E-07	1.91E-06	2.28E-07	3.03E-07	9.99E-07	6.89E-08
7033	468730.86	3819536.78	3.4732E-06	1.46E-05	1.31E-06	2.89E-06	1.07E-05	9.43E-07	3.28E-07	1.88E-06	2.24E-07	2.98E-07	9.83E-07	6.78E-08
7034	468727.33	3819527.8	3.4203E-06	1.44E-05	1.29E-06	2.85E-06	1.06E-05	9.28E-07	3.23E-07	1.85E-06	2.21E-07	2.94E-07	9.68E-07	6.67E-08
7035	468723.8	3819518.81	3.3866E-06	1.42E-05	1.28E-06	2.82E-06	1.05E-05	9.19E-07	3.20E-07	1.83E-06	2.18E-07	2.91E-07	9.59E-07	6.61E-08
7036	468720.27	3819509.83	0.000003353	1.41E-05	1.27E-06	2.79E-06	1.03E-05	9.10E-07	3.17E-07	1.81E-06	2.16E-07	2.88E-07	9.49E-07	6.54E-08
7037	468716.74	3819500.84	3.3241E-06	1.40E-05	1.26E-06	2.77E-06	1.03E-05	9.02E-07	3.14E-07	1.80E-06	2.14E-07	2.85E-07	9.41E-07	6.49E-08
7038	468713.21	3819491.86	3.2904E-06	1.38E-05	1.24E-06	2.74E-06	1.02E-05	8.93E-07	3.11E-07	1.78E-06	2.12E-07	2.82E-07	9.31E-07	6.42E-08
7039	468709.68	3819482.87	3.2616E-06	1.37E-05	1.23E-06	2.72E-06	1.01E-05	8.85E-07	3.08E-07	1.76E-06	2.10E-07	2.80E-07	9.23E-07	6.36E-08
7040	468706.16	3819473.89	3.2327E-06	1.36E-05	1.22E-06	2.69E-06	9.98E-06	8.78E-07	3.05E-07	1.75E-06	2.09E-07	2.78E-07	9.15E-07	6.31E-08
7041	468702.63	3819464.9	3.2038E-06	1.35E-05	1.21E-06	2.67E-06	9.89E-06	8.70E-07	3.03E-07	1.73E-06	2.07E-07	2.75E-07	9.07E-07	6.25E-08
7042	468699.1	3819455.91	3.1798E-06	1.34E-05	1.20E-06	2.65E-06	9.81E-06	8.63E-07	3.00E-07	1.72E-06	2.05E-07	2.73E-07	9.00E-07	6.20E-08
7043	468695.57	3819446.93	3.1605E-06	1.33E-05	1.20E-06	2.63E-06	9.75E-06	8.58E-07	2.98E-07	1.71E-06	2.04E-07	2.71E-07	8.95E-07	6.17E-08
7044	468692.04	3819437.94	3.1365E-06	1.32E-05	1.19E-06	2.61E-06	9.68E-06	8.51E-07	2.96E-07	1.70E-06	2.02E-07	2.69E-07	8.88E-07	6.12E-08
7045	468688.51	3819428.96	3.1172E-06	1.31E-05	1.18E-06	2.60E-06	9.62E-06	8.46E-07	2.94E-07	1.69E-06	2.01E-07	2.68E-07	8.82E-07	6.08E-08
7046	470084.93	3820868.26	0.00003493	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.48E-06	3.30E-06	1.89E-05	2.25E-06	3.00E-06	9.89E-06	6.82E-07
7047	470094.63	3820868.4	0.000034703	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.42E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.82E-06	6.77E-07
7048	470104.33	3820868.53	0.000034468	1.45E-04	1.30E-05	2.87E-05	1.06E-04	9.36E-06	3.25E-06	1.86E-05	2.22E-06	2.96E-06	9.76E-06	6.73E-07
7049	470114.03	3820868.67	0.000034222	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.29E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.69E-06	6.68E-07
7050	470123.72	3820868.8	0.000033977	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.22E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.62E-06	6.63E-07
7051	470133.42	3820868.94	0.000033727	1.42E-04	1.28E-05	2.81E-05	1.04E-04	9.16E-06	3.18E-06	1.82E-05	2.18E-06	2.90E-06	9.55E-06	6.58E-07
7052	470143.12	3820869.07	0.000033467	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.47E-06	6.53E-07
7053	470152.81	3820869.21	0.000033212	1.39E-04	1.26E-05	2.77E-05	1.02E-04	9.02E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
7054	470162.51	3820869.34	0.000032948	1.38E-04	1.25E-05	2.74E-05	1.02E-04	8.94E-06	3.11E-06	1.78E-05	2.13E-06	2.83E-06	9.33E-06	6.43E-07
7055	470172.21	3820869.48	0.000032683	1.37E-04	1.24E-05	2.72E-05	1.01E-04	8.87E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.25E-06	6.38E-07
7056	470181.91	3820869.61	0.000032409	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.17E-06	6.32E-07
7057	470191.6	3820869.75	0.000032135	1.35E-04	1.22E-05	2.68E-05	9.92E-05	8.72E-06	3.03E-06	1.74E-05	2.07E-06	2.76E-06	9.10E-06	6.27E-07
7058	470201.3	3820869.88	0.000031856	1.34E-04	1.20E-05	2.65E-05	9.83E-05	8.65E-06	3.01E-06	1.72E-05	2.05E-06	2.73E-06	9.02E-06	6.22E-07
7059	470211	3820870.02	0.000031581	1.33E-04	1.19E-05	2.63E-05	9.75E-05	8.57E-06	2.98E-06	1.71E-05	2.04E-06	2.71E-06	8.94E-06	6.16E-07
7060	470220.69	3820870.15	0.000031307	1.31E-04	1.18E-05	2.61E-05	9.66E-05	8.50E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.86E-06	6.11E-07
7061	470230.39	3820870.29	0.000031038	1.30E-04	1.17E-05	2.59E-05	9.58E-05	8.43E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.79E-06	6.06E-07
7062	470240.09	3820870.42	0.000030773	1.29E-04	1.16E-05	2.56E-05	9.50E-05	8.35E-06	2.91E-06	1.66E-05	1.98E-06	2.64E-06	8.71E-06	6.00E-07
7063	470249.79	3820870.56	0.000030504	1.28E-04	1.15E-05	2.54E-05	9.41E-05	8.28E-06	2.88E-06	1.65E-05	1.97E-06	2.62E-06	8.63E-06	5.95E-07
7064	470259.48	3820870.69	0.000030244	1.27E-04	1.14E-05	2.52E-05	9.33E-05	8.21E-06	2.86E-06	1.63E-05	1.95E-06	2.60E-06	8.56E-06	5.90E-07
7065	470074.93	3820944.41	0.000032226	1.35E-04	1.22E-05	2.68E-05	9.94E-05	8.75E-06	3.04E-06	1.74E-05	2.08E-06	2.77E-06	9.12E-06	6.29E-07
7066	470066.04	3820940.57	0.000032524	1.37E-04	1.23E-05	2.71E-05	1.00E-04	8.83E-06	3.07E-06	1.76E-05	2.10E-06	2.79E-06	9.21E-06	6.35E-07
7067	470057.16	3820936.72	0.000032822	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.91E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.40E-07
7068	470048.27	3820932.88	0.000033111	1.39E-04	1.25E-05	2.76E-05	1.02E-04	8.99E-06	3.13E-06	1.79E-05	2.14E-06	2.84E-06	9.37E-06	6.46E-07
7069	470039.38	3820929.04	0.00003339	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.06E-06	3.15E-06	1.81E-05	2.15E-06	2.87E-06	9.45E-06	6.52E-07
7070	470030.49	3820925.2	0.000033664	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.14E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.53E-06	6.57E-07
7071	470021.61	3820921.35	0.000033929	1.42E-04	1.28E-05	2.83E-05	1.05E-04	9.21E-06	3.20E-06	1.83E-05	2.19E-06	2.91E-06	9.60E-06	6.62E-07
7072	469994.94	3820909.82	0.000034675	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.41E-06	3.27E-06	1.87E-05	2.24E-06	2.98E-06	9.82E-06	6.77E-07
7073	469986.06	3820905.98	0.000034891	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.47E-06	3.29E-06	1.89E-05	2.25E-06	3.00E-06	9.88E-06	6.81E-07
7074	469977.17	3820902.14	0.000035088	1.47E-04	1.33E-05	2.92E-05	1.08E-04	9.53E-06	3.31E-06	1.90E-05	2.26E-06	3.01E-06	9.93E-06	6.85E-07
7075	469968.28	3820898.29	0.000035271	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.57E-06	3.33E-06	1.91E-05	2.27E-06	3.03E-06	9.98E-06	6.88E-07
7076	469959.39	3820894.45	0.000035439	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.62E-06	3.35E-06	1.92E-05	2.29E-06	3.04E-06	1.00E-05	6.92E-07
7077	469950.51	3820890.61	0.000035613	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.67E-06	3.36E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.95E-07

7078	469941.62	3820886.76	0.000035767	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.71E-06	3.38E-06	1.93E-05	2.31E-06	3.07E-06	1.01E-05	6.98E-07
7079	469932.73	3820882.92	0.000035906	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.75E-06	3.39E-06	1.94E-05	2.32E-06	3.08E-06	1.02E-05	7.01E-07
7080	469923.84	3820879.08	0.000036022	1.51E-04	1.36E-05	3.00E-05	1.11E-04	9.78E-06	3.40E-06	1.95E-05	2.32E-06	3.09E-06	1.02E-05	7.03E-07
7081	469914.96	3820875.23	0.000036127	1.52E-04	1.37E-05	3.01E-05	1.11E-04	9.81E-06	3.41E-06	1.95E-05	2.33E-06	3.10E-06	1.02E-05	7.05E-07
7082	469906.07	3820871.39	0.000036214	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.83E-06	3.42E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.07E-07
7083	469897.18	3820867.55	0.000036281	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.85E-06	3.43E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.08E-07
7084	469888.29	3820863.7	0.000036329	1.53E-04	1.37E-05	3.03E-05	1.12E-04	9.86E-06	3.43E-06	1.96E-05	2.34E-06	3.12E-06	1.03E-05	7.09E-07
7085	469879.4	3820859.86	0.000036358	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.87E-06	3.43E-06	1.97E-05	2.35E-06	3.12E-06	1.03E-05	7.09E-07
7086	469870.52	3820856.02	0.000036377	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.88E-06	3.44E-06	1.97E-05	2.35E-06	3.12E-06	1.03E-05	7.10E-07
7087	469861.63	3820852.17	0.000036373	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.87E-06	3.43E-06	1.97E-05	2.35E-06	3.12E-06	1.03E-05	7.10E-07
7088	469852.74	3820848.33	0.000036358	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.87E-06	3.43E-06	1.97E-05	2.35E-06	3.12E-06	1.03E-05	7.09E-07
7089	469781.64	3820817.58	0.000035728	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.70E-06	3.37E-06	1.93E-05	2.30E-06	3.07E-06	1.01E-05	6.97E-07
7090	469772.75	3820813.74	0.000035589	1.49E-04	1.35E-05	2.96E-05	1.10E-04	9.66E-06	3.36E-06	1.92E-05	2.30E-06	3.06E-06	1.01E-05	6.94E-07
7091	469763.87	3820809.9	0.000035439	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.62E-06	3.35E-06	1.92E-05	2.29E-06	3.04E-06	1.00E-05	6.92E-07
7092	469754.98	3820806.05	0.000035271	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.57E-06	3.33E-06	1.91E-05	2.27E-06	3.03E-06	9.98E-06	6.88E-07
7093	469746.09	3820802.21	0.000035098	1.47E-04	1.33E-05	2.92E-05	1.08E-04	9.53E-06	3.31E-06	1.90E-05	2.26E-06	3.01E-06	9.93E-06	6.85E-07
7094	469737.2	3820798.37	0.00003491	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.48E-06	3.30E-06	1.89E-05	2.25E-06	3.00E-06	9.88E-06	6.81E-07
7095	469728.32	3820794.52	0.000034718	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.42E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.77E-07
7096	469719.43	3820790.68	0.000034511	1.45E-04	1.31E-05	2.87E-05	1.06E-04	9.37E-06	3.26E-06	1.87E-05	2.23E-06	2.96E-06	9.77E-06	6.73E-07
7097	469710.54	3820786.84	0.000034299	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.31E-06	3.24E-06	1.85E-05	2.21E-06	2.94E-06	9.71E-06	6.69E-07
7098	469701.65	3820783	0.000034083	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.65E-06	6.65E-07
7099	469657.21	3820763.78	0.000032885	1.38E-04	1.24E-05	2.74E-05	1.01E-04	8.93E-06	3.11E-06	1.78E-05	2.12E-06	2.82E-06	9.31E-06	6.42E-07
7100	469648.33	3820759.94	0.00003263	1.37E-04	1.23E-05	2.72E-05	1.01E-04	8.86E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.24E-06	6.37E-07
7101	469639.44	3820756.09	0.000032375	1.36E-04	1.22E-05	2.70E-05	9.99E-05	8.79E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.16E-06	6.32E-07
7102	469630.55	3820752.25	0.000032115	1.35E-04	1.21E-05	2.68E-05	9.91E-05	8.72E-06	3.03E-06	1.74E-05	2.07E-06	2.76E-06	9.09E-06	6.27E-07
7103	469621.66	3820748.41	0.00003186	1.34E-04	1.20E-05	2.65E-05	9.83E-05	8.65E-06	3.01E-06	1.72E-05	2.05E-06	2.74E-06	9.02E-06	6.22E-07
7104	469612.78	3820744.56	0.00003161	1.33E-04	1.20E-05	2.63E-05	9.75E-05	8.58E-06	2.98E-06	1.71E-05	2.04E-06	2.71E-06	8.95E-06	6.17E-07
7105	469603.89	3820740.72	0.000031365	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.51E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
7106	469595	3820736.88	0.000031115	1.31E-04	1.18E-05	2.59E-05	9.60E-05	8.45E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.81E-06	6.07E-07
7107	469586.11	3820733.03	0.000030869	1.30E-04	1.17E-05	2.57E-05	9.53E-05	8.38E-06	2.92E-06	1.67E-05	1.99E-06	2.65E-06	8.74E-06	6.02E-07
7108	469577.23	3820729.19	0.000030619	1.29E-04	1.16E-05	2.55E-05	9.45E-05	8.31E-06	2.89E-06	1.66E-05	1.97E-06	2.63E-06	8.67E-06	5.97E-07
7109	469568.34	3820725.35	0.000030369	1.28E-04	1.15E-05	2.53E-05	9.37E-05	8.24E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.60E-06	5.93E-07
7110	469559.45	3820721.5	0.000030129	1.27E-04	1.14E-05	2.51E-05	9.30E-05	8.18E-06	2.85E-06	1.63E-05	1.94E-06	2.59E-06	8.53E-06	5.88E-07
7111	469550.56	3820717.66	0.000029893	1.26E-04	1.13E-05	2.49E-05	9.22E-05	8.11E-06	2.82E-06	1.62E-05	1.93E-06	2.57E-06	8.46E-06	5.83E-07
7112	469541.68	3820713.82	0.000029657	1.25E-04	1.12E-05	2.47E-05	9.15E-05	8.05E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.40E-06	5.79E-07
7113	469532.79	3820709.97	0.000029426	1.24E-04	1.11E-05	2.45E-05	9.08E-05	7.99E-06	2.78E-06	1.59E-05	1.90E-06	2.53E-06	8.33E-06	5.74E-07
7114	469523.9	3820706.13	0.000029195	1.23E-04	1.10E-05	2.43E-05	9.01E-05	7.93E-06	2.76E-06	1.58E-05	1.88E-06	2.51E-06	8.26E-06	5.70E-07
7115	469515.01	3820702.29	0.000028974	1.22E-04	1.10E-05	2.41E-05	8.94E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.20E-06	5.65E-07
7116	469506.12	3820698.44	0.000028753	1.21E-04	1.09E-05	2.39E-05	8.87E-05	7.81E-06	2.72E-06	1.55E-05	1.85E-06	2.47E-06	8.14E-06	5.61E-07
7117	469497.24	3820694.6	0.000028541	1.20E-04	1.08E-05	2.38E-05	8.81E-05	7.75E-06	2.70E-06	1.54E-05	1.84E-06	2.45E-06	8.08E-06	5.57E-07
7118	469488.35	3820690.76	0.000028329	1.19E-04	1.07E-05	2.36E-05	8.74E-05	7.69E-06	2.68E-06	1.53E-05	1.83E-06	2.43E-06	8.02E-06	5.53E-07
7119	469479.46	3820686.91	0.000028123	1.18E-04	1.06E-05	2.34E-05	8.68E-05	7.63E-06	2.66E-06	1.52E-05	1.81E-06	2.41E-06	7.96E-06	5.49E-07
7120	469355.04	3820633.11	0.000025684	1.08E-04	9.71E-06	2.14E-05	7.93E-05	6.97E-06	2.43E-06	1.39E-05	1.66E-06	2.20E-06	7.27E-06	5.01E-07
7121	469346.15	3820629.27	0.000025539	1.07E-04	9.66E-06	2.13E-05	7.88E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.23E-06	4.98E-07
7122	469337.26	3820625.42	0.00002539	1.07E-04	9.60E-06	2.11E-05	7.84E-05	6.89E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.19E-06	4.95E-07
7123	469328.37	3820621.58	0.000025246	1.06E-04	9.55E-06	2.10E-05	7.79E-05	6.85E-06	2.38E-06	1.36E-05	1.63E-06	2.17E-06	7.15E-06	4.93E-07
7124	469319.48	3820617.74	0.000025102	1.05E-04	9.49E-06	2.09E-05	7.75E-05	6.81E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.90E-07
7125	469310.6	3820613.89	0.000024957	1.05E-04	9.44E-06	2.08E-05	7.70E-05	6.77E-06	2.36E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.87E-07
7126	469301.71	3820610.05	0.000024813	1.04E-04	9.38E-06	2.07E-05	7.66E-05	6.74E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.02E-06	4.84E-07
7127	469292.82	3820606.21	0.000024669	1.04E-04	9.33E-06	2.05E-05	7.61E-05	6.70E-06	2.33E-06	1.33E-05	1.59E-06	2.12E-06	6.98E-06	4.81E-07
7128	469283.93	3820602.36	0.000024524	1.03E-04	9.27E-06	2.04E-05	7.57E-05	6.66E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.94E-06	4.79E-07
7129	469275.05	3820598.52	0.00002438	1.02E-04	9.22E-06	2.03E-05	7.52E-05	6.62E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.90E-06	4.76E-07
7130	469266.16	3820594.68	0.000024236	1.02E-04	9.17E-06	2.02E-05	7.48E-05	6.58E-06	2.29E-06	1.31E-05	1.56E-06	2.08E-06	6.86E-06	4.73E-07
7131	469257.27	3820590.83	0.000024091	1.01E-04	9.11E-06	2.01E-05	7.43E-05	6.54E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.82E-06	4.70E-07
7132	469248.38	3820586.99	0.000023947	1.01E-04	9.06E-06	1.99E-05	7.39E-05	6.50E-06	2.26E-06	1.29E-05	1.54E-06	2.06E-06	6.78E-06	4.67E-07
7133	469239.5	3820583.15	0.000023803	1.00E-04	9.00E-06	1.98E-05	7.35E-05	6.46E-06	2.25E-06	1.29E-05	1.54E-06	2.04E-06	6.74E-06	4.64E-07
7134	469230.61	3820579.3	0.000023654	9.93E-05	8.95E-06	1.97E-05	7.30E-05	6.42E-06	2.23E-06	1.28E-05	1.53E-06	2.03E-06	6.70E-06	4.62E-07
7135	469221.72	3820575.46	0.000023504	9.87E-05	8.89E-06	1.96E-05	7.25E-05	6.38E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.65E-06	4.59E-07
7136	469212.83	3820571.62	0.00002335	9.81E-05	8.83E-06	1.94E-05	7.21E-05	6.34E-06	2.20E-06	1.26E-05	1.51E-06	2.00E-06	6.61E-06	4.56E-07
7137	469203.95	3820567.77	0.000023197	9.74E-05	8.77E-06	1.93E-05	7.16E-05	6.30E-06	2.19E-06	1.25E-05	1.50E-06	1.99E-06	6.57E-06	4.53E-07
7138	469195.06	3820563.93	0.000023043	9.68E-05	8.71E-06	1.92E-05	7.11E-05	6.26E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.52E-06	4.50E-07
7139	469186.17	3820560.09	0.000022884	9.61E-05	8.65E-06	1.91E-05	7.06E-05	6.21E-06	2.16E-06	1.24E-05	1.48E-06	1.96E-06	6.48E-06	4.47E-07
7140	469177.28	3820556.24	0.000022725	9.54E-05	8.59E-06	1.89E-05	7.01E-05	6.17E-06	2.15E-06	1.23E-05	1.47E-06	1.95E-06	6.43E-06	4.43E-07
7141	469168.4	3820552.4	0.000022562	9.47E-05	8.53E-06	1.88E-05	6.96E-05	6.12E-06	2.13E-06	1.22E-05	1.46E-06	1.94E-06	6.39E-06	4.40E-07
7142	469159.51	3820548.56	0.000022393	9.40E-05	8.47E-06	1.87E-05	6.91E-05	6.08E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.34E-06	4.37E-07
7143	469150.62	3820544.71	0.000022225	9.33E-05	8.41E-06	1.85E-05	6.86E-05	6.03E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.29E-06	4.34E-07
7144	469141.73	3820540.87	0.000022052	9.26E-05	8.34E-06	1.84E-05	6.80E-05	5.99E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.24E-06	4.30E-07
7145	469132.85	3820537.03	0.000021878	9.19E-05	8.27E-06	1.82E-05	6.75E-05	5.94E-06	2.07E-06	1.18E-05	1.41E-06	1.88E-06	6.19E-06	4.27E-07
7146	469123.96	3820533.18	0.0000217	9.11E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.23E-07
7147	469115.07	3820529.34	0.000021522	9.04E-05	8.14E-06	1.79E-05	6.64E-05	5.84E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.09E-06	4.20E-07
7148	469106.18	3820525.5	0.00002134	8.96E-05	8.07E-06	1.78E-05	6.59E-05	5.79E-06	2.02E-06	1.15E-05	1.38E-06	1.83E-06	6.04E-06	4.16E-07
7149	469097.29	3820521.65	0.000021152	8.88E-05	8.00E-06	1.76E-05	6.53E-05	5.74E-06	2.00E-06	1.14E-05	1.36E-06	1.82E-06	5.99E-06	4.13E-07
7150	469088.41	3820517.81	0.000020964	8.80E-05	7.93E-06	1.75E-05	6.47E-05	5.69E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07

7151	469079.52	3820513.97	0.000020772	8.72E-05	7.86E-06	1.73E-05	6.41E-05	5.64E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.88E-06	4.05E-07
7152	469070.63	3820510.12	0.000020575	8.64E-05	7.78E-06	1.71E-05	6.35E-05	5.59E-06	1.94E-06	1.11E-05	1.33E-06	1.77E-06	5.82E-06	4.01E-07
7153	469061.74	3820506.28	0.000020378	8.56E-05	7.71E-06	1.70E-05	6.29E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.77E-06	3.98E-07
7154	469052.86	3820502.44	0.00002018	8.47E-05	7.63E-06	1.68E-05	6.23E-05	5.48E-06	1.91E-06	1.09E-05	1.30E-06	1.73E-06	5.71E-06	3.94E-07
7155	469043.97	3820498.6	0.000019973	8.39E-05	7.55E-06	1.66E-05	6.16E-05	5.42E-06	1.89E-06	1.08E-05	1.29E-06	1.71E-06	5.65E-06	3.90E-07
7156	469035.08	3820494.75	0.000019771	8.30E-05	7.48E-06	1.65E-05	6.10E-05	5.37E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.60E-06	3.86E-07
7157	469022.65	3820481.9	0.000019502	8.19E-05	7.38E-06	1.62E-05	6.02E-05	5.29E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.52E-06	3.81E-07
7158	469019.11	3820472.88	0.000019439	8.16E-05	7.35E-06	1.62E-05	6.00E-05	5.28E-06	1.84E-06	1.05E-05	1.25E-06	1.67E-06	5.50E-06	3.79E-07
7159	469015.58	3820463.87	0.000019367	8.13E-05	7.32E-06	1.61E-05	5.98E-05	5.26E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.48E-06	3.78E-07
7160	469012.04	3820454.86	0.00001929	8.10E-05	7.30E-06	1.61E-05	5.95E-05	5.24E-06	1.82E-06	1.04E-05	1.24E-06	1.66E-06	5.46E-06	3.76E-07
7161	469008.5	3820445.84	0.000019209	8.07E-05	7.26E-06	1.60E-05	5.93E-05	5.21E-06	1.81E-06	1.04E-05	1.24E-06	1.65E-06	5.44E-06	3.75E-07
7162	469004.96	3820436.83	0.000019122	8.03E-05	7.23E-06	1.59E-05	5.90E-05	5.19E-06	1.81E-06	1.03E-05	1.23E-06	1.64E-06	5.41E-06	3.73E-07
7163	469001.42	3820427.82	0.000019031	7.99E-05	7.20E-06	1.59E-05	5.87E-05	5.17E-06	1.80E-06	1.03E-05	1.23E-06	1.63E-06	5.39E-06	3.71E-07
7164	468997.88	3820418.81	0.000018934	7.95E-05	7.16E-06	1.58E-05	5.84E-05	5.14E-06	1.79E-06	1.02E-05	1.22E-06	1.63E-06	5.36E-06	3.69E-07
7165	468994.34	3820409.79	0.000018833	7.91E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.62E-06	5.33E-06	3.67E-07
7166	468990.8	3820400.78	0.000018723	7.86E-05	7.08E-06	1.56E-05	5.78E-05	5.08E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.30E-06	3.65E-07
7167	468987.26	3820391.77	0.000018612	7.82E-05	7.04E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.27E-06	3.63E-07
7168	468983.72	3820382.75	0.000018492	7.77E-05	6.99E-06	1.54E-05	5.71E-05	5.02E-06	1.75E-06	1.00E-05	1.19E-06	1.59E-06	5.23E-06	3.61E-07
7169	468980.18	3820373.74	0.000018372	7.72E-05	6.95E-06	1.53E-05	5.67E-05	4.99E-06	1.73E-06	9.93E-06	1.18E-06	1.58E-06	5.20E-06	3.58E-07
7170	468976.64	3820364.73	0.000018242	7.66E-05	6.90E-06	1.52E-05	5.63E-05	4.95E-06	1.72E-06	9.86E-06	1.18E-06	1.57E-06	5.16E-06	3.56E-07
7171	468973.1	3820355.71	0.000018107	7.60E-05	6.85E-06	1.51E-05	5.59E-05	4.92E-06	1.71E-06	9.79E-06	1.17E-06	1.55E-06	5.13E-06	3.53E-07
7172	468969.56	3820346.7	0.000017967	7.55E-05	6.80E-06	1.50E-05	5.54E-05	4.88E-06	1.70E-06	9.71E-06	1.16E-06	1.54E-06	5.09E-06	3.51E-07
7173	468966.02	3820337.69	0.000017828	7.49E-05	6.74E-06	1.48E-05	5.50E-05	4.84E-06	1.68E-06	9.64E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
7174	468962.48	3820328.68	0.000017679	7.42E-05	6.69E-06	1.47E-05	5.46E-05	4.80E-06	1.67E-06	9.56E-06	1.14E-06	1.52E-06	5.00E-06	3.45E-07
7175	468958.94	3820319.66	0.000017525	7.36E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.65E-06	9.47E-06	1.13E-06	1.50E-06	4.96E-06	3.42E-07
7176	468955.4	3820310.65	0.000017366	7.29E-05	6.57E-06	1.45E-05	5.36E-05	4.71E-06	1.64E-06	9.39E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
7177	468951.87	3820301.64	0.000017207	7.23E-05	6.51E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.30E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
7178	468948.33	3820292.62	0.000017044	7.16E-05	6.45E-06	1.42E-05	5.26E-05	4.63E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.33E-07
7179	468944.79	3820283.61	0.000016875	7.09E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
7180	468941.25	3820274.6	0.000016702	7.01E-05	6.32E-06	1.39E-05	5.15E-05	4.53E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
7181	468937.71	3820265.59	0.000016524	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.49E-06	1.56E-06	8.93E-06	1.07E-06	1.42E-06	4.68E-06	3.22E-07
7182	468934.17	3820256.57	0.000016346	6.86E-05	6.18E-06	1.36E-05	5.04E-05	4.44E-06	1.54E-06	8.84E-06	1.05E-06	1.40E-06	4.63E-06	3.19E-07
7183	468930.63	3820247.56	0.000016163	6.79E-05	6.11E-06	1.35E-05	4.99E-05	4.39E-06	1.53E-06	8.74E-06	1.04E-06	1.39E-06	4.58E-06	3.15E-07
7184	468927.09	3820238.55	0.000015976	6.71E-05	6.04E-06	1.33E-05	4.93E-05	4.34E-06	1.51E-06	8.64E-06	1.03E-06	1.37E-06	4.52E-06	3.12E-07
7185	468923.55	3820229.53	0.000015783	6.63E-05	5.97E-06	1.31E-05	4.87E-05	4.28E-06	1.49E-06	8.53E-06	1.02E-06	1.35E-06	4.47E-06	3.08E-07
7186	468920.01	3820220.52	0.000015591	6.55E-05	5.90E-06	1.30E-05	4.81E-05	4.23E-06	1.47E-06	8.43E-06	1.01E-06	1.34E-06	4.41E-06	3.04E-07
7187	468916.47	3820211.51	0.000015399	6.47E-05	5.82E-06	1.28E-05	4.75E-05	4.18E-06	1.45E-06	8.32E-06	9.93E-07	1.32E-06	4.36E-06	3.00E-07
7188	468912.93	3820202.5	0.000015197	6.38E-05	5.75E-06	1.27E-05	4.69E-05	4.13E-06	1.44E-06	8.22E-06	9.80E-07	1.30E-06	4.30E-06	2.97E-07
7189	468909.39	3820193.48	0.000014999	6.30E-05	5.67E-06	1.25E-05	4.63E-05	4.07E-06	1.42E-06	8.11E-06	9.67E-07	1.29E-06	4.25E-06	2.93E-07
7190	468905.85	3820184.47	0.000014792	6.21E-05	5.59E-06	1.23E-05	4.56E-05	4.02E-06	1.40E-06	8.00E-06	9.54E-07	1.27E-06	4.19E-06	2.89E-07
7191	468902.31	3820175.46	0.00001459	6.13E-05	5.52E-06	1.22E-05	4.50E-05	3.96E-06	1.38E-06	7.89E-06	9.41E-07	1.25E-06	4.13E-06	2.85E-07
7192	468898.77	3820166.44	0.000014379	6.04E-05	5.44E-06	1.20E-05	4.44E-05	3.90E-06	1.36E-06	7.77E-06	9.27E-07	1.23E-06	4.07E-06	2.81E-07
7193	468895.23	3820157.43	0.000014172	5.95E-05	5.36E-06	1.18E-05	4.37E-05	3.85E-06	1.34E-06	7.66E-06	9.14E-07	1.22E-06	4.01E-06	2.77E-07
7194	468891.7	3820148.42	0.000013955	5.86E-05	5.28E-06	1.16E-05	4.31E-05	3.79E-06	1.32E-06	7.54E-06	9.00E-07	1.20E-06	3.95E-06	2.72E-07
7195	468888.16	3820139.41	0.000013734	5.77E-05	5.19E-06	1.14E-05	4.24E-05	3.73E-06	1.30E-06	7.42E-06	8.86E-07	1.18E-06	3.89E-06	2.68E-07
7196	468884.62	3820130.39	0.000013518	5.68E-05	5.11E-06	1.13E-05	4.17E-05	3.67E-06	1.28E-06	7.31E-06	8.72E-07	1.16E-06	3.83E-06	2.64E-07
7197	468881.08	3820121.38	0.000013306	5.59E-05	5.03E-06	1.11E-05	4.11E-05	3.61E-06	1.26E-06	7.19E-06	8.58E-07	1.14E-06	3.77E-06	2.60E-07
7198	468877.54	3820112.37	0.00001309	5.50E-05	4.95E-06	1.09E-05	4.04E-05	3.55E-06	1.24E-06	7.08E-06	8.44E-07	1.12E-06	3.71E-06	2.55E-07
7199	468874	3820103.35	0.000012868	5.40E-05	4.87E-06	1.07E-05	3.97E-05	3.49E-06	1.22E-06	6.96E-06	8.30E-07	1.10E-06	3.64E-06	2.51E-07
7200	468870.46	3820094.34	0.000012652	5.31E-05	4.78E-06	1.05E-05	3.90E-05	3.43E-06	1.19E-06	6.84E-06	8.16E-07	1.09E-06	3.58E-06	2.47E-07
7201	468866.92	3820085.33	0.000012435	5.22E-05	4.70E-06	1.04E-05	3.84E-05	3.38E-06	1.17E-06	6.72E-06	8.02E-07	1.07E-06	3.52E-06	2.43E-07
7202	468863.38	3820076.31	0.000012219	5.13E-05	4.62E-06	1.02E-05	3.77E-05	3.32E-06	1.15E-06	6.61E-06	7.88E-07	1.05E-06	3.46E-06	2.38E-07
7203	468859.84	3820067.3	0.000011998	5.04E-05	4.54E-06	9.99E-06	3.70E-05	3.26E-06	1.13E-06	6.49E-06	7.74E-07	1.03E-06	3.40E-06	2.34E-07
7204	468856.3	3820058.29	0.000011781	4.95E-05	4.46E-06	9.81E-06	3.64E-05	3.20E-06	1.11E-06	6.37E-06	7.60E-07	1.01E-06	3.33E-06	2.30E-07
7205	468852.76	3820049.28	0.000011565	4.86E-05	4.37E-06	9.63E-06	3.57E-05	3.14E-06	1.09E-06	6.25E-06	7.46E-07	9.93E-07	3.27E-06	2.26E-07
7206	468849.22	3820040.26	0.000011343	4.76E-05	4.29E-06	9.45E-06	3.50E-05	3.08E-06	1.07E-06	6.13E-06	7.32E-07	9.74E-07	3.21E-06	2.21E-07
7207	468845.68	3820031.25	0.000011127	4.67E-05	4.21E-06	9.27E-06	3.43E-05	3.02E-06	1.05E-06	6.02E-06	7.18E-07	9.55E-07	3.15E-06	2.17E-07
7208	468835.06	3820004.21	0.000010468	4.40E-05	3.96E-06	8.72E-06	3.23E-05	2.84E-06	9.89E-07	5.66E-06	6.75E-07	8.99E-07	2.96E-06	2.04E-07
7209	468831.52	3819995.2	0.000010251	4.31E-05	3.88E-06	8.54E-06	3.16E-05	2.78E-06	9.68E-07	5.54E-06	6.61E-07	8.80E-07	2.90E-06	2.00E-07
7210	468827.99	3819986.19	0.000010035	4.21E-05	3.80E-06	8.36E-06	3.10E-05	2.72E-06	9.48E-07	5.42E-06	6.47E-07	8.61E-07	2.84E-06	1.96E-07
7211	468824.45	3819977.17	0.000009828	4.13E-05	3.72E-06	8.19E-06	3.03E-05	2.67E-06	9.28E-07	5.31E-06	6.34E-07	8.44E-07	2.78E-06	1.92E-07
7212	468820.91	3819968.16	9.6163E-06	4.04E-05	3.64E-06	8.01E-06	2.97E-05	2.61E-06	9.08E-07	5.20E-06	6.20E-07	8.26E-07	2.72E-06	1.88E-07
7213	468817.37	3819959.15	9.4143E-06	3.95E-05	3.56E-06	7.84E-06	2.91E-05	2.56E-06	8.89E-07	5.09E-06	6.07E-07	8.08E-07	2.66E-06	1.84E-07
7214	468813.83	3819950.13	9.2074E-06	3.87E-05	3.48E-06	7.67E-06	2.84E-05	2.50E-06	8.69E-07	4.98E-06	5.94E-07	7.90E-07	2.61E-06	1.80E-07
7215	468810.29	3819941.12	9.0054E-06	3.78E-05	3.41E-06	7.50E-06	2.78E-05	2.44E-06	8.50E-07	4.87E-06	5.81E-07	7.73E-07	2.55E-06	1.76E-07
7216	468806.75	3819932.11	8.8081E-06	3.70E-05	3.33E-06	7.34E-06	2.72E-05	2.39E-06	8.32E-07	4.76E-06	5.68E-07	7.56E-07	2.49E-06	1.72E-07
7217	468803.21	3819923.1	8.6109E-06	3.62E-05	3.26E-06	7.17E-06	2.66E-05	2.34E-06	8.13E-07	4.66E-06	5.55E-07	7.39E-07	2.44E-06	1.68E-07
7218	468799.67	3819914.08	8.4185E-06	3.54E-05	3.18E-06	7.01E-06	2.60E-05	2.29E-06	7.95E-07	4.55E-06	5.43E-07	7.23E-07	2.38E-06	1.64E-07
7219	468796.13	3819905.07	8.2261E-06	3.45E-05	3.11E-06	6.85E-06	2.54E-05	2.23E-06	7.77E-07	4.45E-06	5.31E-07	7.06E-07	2.33E-06	1.61E-07
7220	468792.59	3819896.06	8.0385E-06	3.38E-05	3.04E-06	6.70E-06	2.48E-05	2.18E-06	7.59E-07	4.35E-06	5.18E-07	6.90E-07	2.28E-06	1.57E-07
7221	468789.05	3819887.04	7.8556E-06	3.30E-05	2.97E-06	6.54E-06	2.42E-05	2.13E-06	7.42E-07	4.25E-06	5.07E-07	6.74E-07	2.22E-06	1.53E-07
7222	468785.51	3819878.03	0.000007668	3.22E-05	2.90E-06	6.39E-06	2.37E-05	2.08E-06	7.24E-07	4.15E-06	4.95E-07	6.58E-07	2.17E-06	1.50E-07
7223	468781.97	3819869.02	7.4852E-06	3.14E-05	2.83E-06	6.23E-06	2.31E-05	2.03E-06	7.07E-07	4.05E-06	4.83E-07	6.43E-07	2.12E-06	1.46E-07

7224	468778.43	3819860	7.3072E-06	3.07E-05	2.76E-06	6.09E-06	2.25E-05	1.98E-06	6.90E-07	3.95E-06	4.71E-07	6.27E-07	2.07E-06	1.43E-07
7225	468774.89	3819850.99	7.1293E-06	2.99E-05	2.70E-06	5.94E-06	2.20E-05	1.94E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
7226	468771.35	3819841.98	6.9657E-06	2.93E-05	2.63E-06	5.80E-06	2.15E-05	1.89E-06	6.58E-07	3.77E-06	4.49E-07	5.98E-07	1.97E-06	1.36E-07
7227	468767.81	3819832.97	6.7973E-06	2.85E-05	2.57E-06	5.66E-06	2.10E-05	1.85E-06	6.42E-07	3.67E-06	4.38E-07	5.84E-07	1.92E-06	1.33E-07
7228	468764.28	3819823.95	6.6386E-06	2.79E-05	2.51E-06	5.53E-06	2.05E-05	1.80E-06	6.27E-07	3.59E-06	4.28E-07	5.70E-07	1.88E-06	1.30E-07
7229	468760.74	3819814.94	6.4798E-06	2.72E-05	2.45E-06	5.40E-06	2.00E-05	1.76E-06	6.12E-07	3.50E-06	4.18E-07	5.56E-07	1.83E-06	1.26E-07
7230	468757.2	3819805.93	6.3259E-06	2.66E-05	2.39E-06	5.27E-06	1.95E-05	1.72E-06	5.97E-07	3.42E-06	4.08E-07	5.43E-07	1.79E-06	1.23E-07
7231	468753.66	3819796.91	6.1768E-06	2.59E-05	2.34E-06	5.14E-06	1.91E-05	1.68E-06	5.83E-07	3.34E-06	3.98E-07	5.30E-07	1.75E-06	1.21E-07
7232	468750.12	3819787.9	6.0276E-06	2.53E-05	2.28E-06	5.02E-06	1.86E-05	1.64E-06	5.69E-07	3.26E-06	3.89E-07	5.17E-07	1.71E-06	1.18E-07
7233	468746.58	3819778.89	5.8833E-06	2.47E-05	2.23E-06	4.90E-06	1.82E-05	1.60E-06	5.56E-07	3.18E-06	3.79E-07	5.05E-07	1.67E-06	1.15E-07
7234	468743.04	3819769.88	0.000005739	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.42E-07	3.10E-06	3.70E-07	4.93E-07	1.62E-06	1.12E-07
7235	468739.5	3819760.86	5.6043E-06	2.35E-05	2.12E-06	4.67E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.59E-06	1.09E-07
7236	468735.96	3819751.85	5.4744E-06	2.30E-05	2.07E-06	4.56E-06	1.69E-05	1.49E-06	5.17E-07	2.96E-06	3.53E-07	4.70E-07	1.55E-06	1.07E-07
7237	468732.42	3819742.84	5.3445E-06	2.24E-05	2.02E-06	4.45E-06	1.65E-05	1.45E-06	5.05E-07	2.89E-06	3.45E-07	4.59E-07	1.51E-06	1.04E-07
7238	468728.88	3819733.82	5.2195E-06	2.19E-05	1.97E-06	4.35E-06	1.61E-05	1.42E-06	4.93E-07	2.82E-06	3.37E-07	4.48E-07	1.48E-06	1.02E-07
7239	468725.34	3819724.81	0.000005104	2.14E-05	1.93E-06	4.25E-06	1.57E-05	1.39E-06	4.82E-07	2.76E-06	3.29E-07	4.38E-07	1.44E-06	9.96E-08
7240	468721.8	3819715.8	4.9837E-06	2.09E-05	1.88E-06	4.15E-06	1.54E-05	1.35E-06	4.71E-07	2.69E-06	3.21E-07	4.28E-07	1.41E-06	9.72E-08
7241	468718.26	3819706.79	4.8731E-06	2.05E-05	1.84E-06	4.06E-06	1.50E-05	1.32E-06	4.60E-07	2.63E-06	3.14E-07	4.18E-07	1.38E-06	9.51E-08
7242	468714.72	3819697.77	4.7625E-06	2.00E-05	1.80E-06	3.97E-06	1.47E-05	1.29E-06	4.50E-07	2.57E-06	3.07E-07	4.09E-07	1.35E-06	9.29E-08
7243	468711.18	3819688.76	4.6518E-06	1.95E-05	1.76E-06	3.87E-06	1.44E-05	1.26E-06	4.39E-07	2.51E-06	3.00E-07	3.99E-07	1.32E-06	9.08E-08
7244	468707.64	3819679.75	0.000004546	1.91E-05	1.72E-06	3.79E-06	1.40E-05	1.23E-06	4.29E-07	2.46E-06	2.93E-07	3.90E-07	1.29E-06	8.87E-08
7245	468704.1	3819670.73	4.4498E-06	1.87E-05	1.68E-06	3.71E-06	1.37E-05	1.21E-06	4.20E-07	2.41E-06	2.87E-07	3.82E-07	1.26E-06	8.68E-08
7246	468700.57	3819661.72	4.3536E-06	1.83E-05	1.65E-06	3.63E-06	1.34E-05	1.18E-06	4.11E-07	2.35E-06	2.81E-07	3.74E-07	1.23E-06	8.50E-08
7247	468697.03	3819652.71	4.2622E-06	1.79E-05	1.61E-06	3.55E-06	1.32E-05	1.16E-06	4.02E-07	2.30E-06	2.75E-07	3.66E-07	1.21E-06	8.32E-08
7248	468693.49	3819643.69	0.00000381	1.60E-05	1.44E-06	3.17E-06	1.18E-05	1.03E-06	3.60E-07	2.06E-06	2.46E-07	3.27E-07	1.08E-06	7.43E-08
7249	468689.95	3819634.68	3.7138E-06	1.56E-05	1.40E-06	3.09E-06	1.15E-05	1.01E-06	3.51E-07	2.01E-06	2.40E-07	3.19E-07	1.05E-06	7.25E-08
7250	468686.41	3819625.67	3.6224E-06	1.52E-05	1.37E-06	3.02E-06	1.12E-05	9.83E-07	3.42E-07	1.96E-06	2.34E-07	3.11E-07	1.03E-06	7.07E-08
7251	468682.87	3819616.66	3.5406E-06	1.49E-05	1.34E-06	2.95E-06	1.09E-05	9.61E-07	3.34E-07	1.91E-06	2.28E-07	3.04E-07	1.00E-06	6.91E-08
7252	468679.33	3819607.64	0.000003478	1.46E-05	1.32E-06	2.90E-06	1.07E-05	9.44E-07	3.28E-07	1.88E-06	2.24E-07	2.99E-07	9.84E-07	6.79E-08
7253	468675.79	3819598.63	3.4203E-06	1.44E-05	1.29E-06	2.85E-06	1.06E-05	9.28E-07	3.23E-07	1.85E-06	2.21E-07	2.94E-07	9.68E-07	6.67E-08
7254	468672.25	3819589.62	3.3674E-06	1.41E-05	1.27E-06	2.80E-06	1.04E-05	9.14E-07	3.18E-07	1.82E-06	2.17E-07	2.89E-07	9.53E-07	6.57E-08
7255	468668.71	3819580.6	3.3097E-06	1.39E-05	1.25E-06	2.76E-06	1.02E-05	8.98E-07	3.13E-07	1.79E-06	2.13E-07	2.84E-07	9.37E-07	6.46E-08
7256	468665.17	3819571.59	3.2471E-06	1.36E-05	1.23E-06	2.70E-06	1.00E-05	8.81E-07	3.07E-07	1.76E-06	2.09E-07	2.79E-07	9.19E-07	6.34E-08
7257	468661.63	3819562.58	3.1942E-06	1.34E-05	1.21E-06	2.66E-06	9.86E-06	8.67E-07	3.02E-07	1.73E-06	2.06E-07	2.74E-07	9.04E-07	6.23E-08
7258	468658.09	3819553.57	3.1509E-06	1.32E-05	1.19E-06	2.62E-06	9.72E-06	8.55E-07	2.98E-07	1.70E-06	2.03E-07	2.70E-07	8.92E-07	6.15E-08
7259	468654.55	3819544.55	3.1124E-06	1.31E-05	1.18E-06	2.59E-06	9.60E-06	8.45E-07	2.94E-07	1.68E-06	2.01E-07	2.67E-07	8.81E-07	6.07E-08
7260	468651.01	3819535.54	3.0836E-06	1.30E-05	1.17E-06	2.57E-06	9.52E-06	8.37E-07	2.91E-07	1.67E-06	1.99E-07	2.65E-07	8.73E-07	6.02E-08
7261	468647.47	3819526.53	3.0547E-06	1.28E-05	1.16E-06	2.54E-06	9.43E-06	8.29E-07	2.88E-07	1.65E-06	1.97E-07	2.62E-07	8.65E-07	5.96E-08
7262	468643.93	3819517.51	0.000003021	1.27E-05	1.14E-06	2.52E-06	9.32E-06	8.20E-07	2.85E-07	1.63E-06	1.95E-07	2.59E-07	8.55E-07	5.89E-08
7263	468640.39	3819508.5	2.9922E-06	1.26E-05	1.13E-06	2.49E-06	9.23E-06	8.12E-07	2.83E-07	1.62E-06	1.93E-07	2.57E-07	8.47E-07	5.84E-08
7264	468636.86	3819499.49	2.9633E-06	1.24E-05	1.12E-06	2.47E-06	9.14E-06	8.04E-07	2.80E-07	1.60E-06	1.91E-07	2.54E-07	8.39E-07	5.78E-08
7265	468633.32	3819490.48	2.9393E-06	1.23E-05	1.11E-06	2.45E-06	9.07E-06	7.98E-07	2.78E-07	1.59E-06	1.90E-07	2.52E-07	8.32E-07	5.74E-08
7266	468629.78	3819481.46	0.00000292	1.23E-05	1.10E-06	2.43E-06	9.01E-06	7.93E-07	2.76E-07	1.58E-06	1.88E-07	2.51E-07	8.27E-07	5.70E-08
7267	468626.24	3819472.45	2.9008E-06	1.22E-05	1.10E-06	2.42E-06	8.95E-06	7.87E-07	2.74E-07	1.57E-06	1.87E-07	2.49E-07	8.21E-07	5.66E-08
7268	468622.7	3819463.44	2.8863E-06	1.21E-05	1.09E-06	2.40E-06	8.91E-06	7.84E-07	2.73E-07	1.56E-06	1.86E-07	2.48E-07	8.17E-07	5.63E-08
7269	468619.16	3819454.42	2.8719E-06	1.21E-05	1.09E-06	2.39E-06	8.86E-06	7.80E-07	2.71E-07	1.55E-06	1.85E-07	2.47E-07	8.13E-07	5.60E-08
7270	468615.62	3819445.41	2.8575E-06	1.20E-05	1.08E-06	2.38E-06	8.82E-06	7.76E-07	2.70E-07	1.54E-06	1.84E-07	2.45E-07	8.09E-07	5.58E-08
7271	468612.08	3819436.4	0.000002843	1.19E-05	1.08E-06	2.37E-06	8.77E-06	7.72E-07	2.68E-07	1.54E-06	1.83E-07	2.44E-07	8.05E-07	5.55E-08
7272	468608.54	3819427.39	2.8238E-06	1.19E-05	1.07E-06	2.35E-06	8.71E-06	7.67E-07	2.67E-07	1.53E-06	1.82E-07	2.42E-07	7.99E-07	5.51E-08
7273	470083.82	3820948.25	0.000031913	1.34E-04	1.21E-05	2.66E-05	9.85E-05	8.66E-06	3.01E-06	1.73E-05	2.06E-06	2.74E-06	9.03E-06	6.23E-07
7274	470093.52	3820948.39	0.000031711	1.33E-04	1.20E-05	2.64E-05	9.79E-05	8.61E-06	2.99E-06	1.71E-05	2.05E-06	2.72E-06	8.98E-06	6.19E-07
7275	470103.21	3820948.52	0.000031504	1.32E-04	1.19E-05	2.62E-05	9.72E-05	8.55E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.92E-06	6.15E-07
7276	470112.91	3820948.66	0.000031283	1.31E-04	1.18E-05	2.61E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.69E-06	8.85E-06	6.10E-07
7277	470122.61	3820948.79	0.000031062	1.30E-04	1.17E-05	2.59E-05	9.59E-05	8.43E-06	2.93E-06	1.68E-05	2.00E-06	2.67E-06	8.79E-06	6.06E-07
7278	470132.31	3820948.93	0.000030836	1.30E-04	1.17E-05	2.57E-05	9.52E-05	8.37E-06	2.91E-06	1.67E-05	1.99E-06	2.65E-06	8.73E-06	6.02E-07
7279	470142	3820949.06	0.0000306	1.29E-04	1.16E-05	2.55E-05	9.44E-05	8.31E-06	2.89E-06	1.65E-05	1.97E-06	2.63E-06	8.66E-06	5.97E-07
7280	470151.7	3820949.2	0.000030355	1.27E-04	1.15E-05	2.53E-05	9.37E-05	8.24E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.59E-06	5.92E-07
7281	470161.4	3820949.33	0.000030105	1.26E-04	1.14E-05	2.51E-05	9.29E-05	8.17E-06	2.84E-06	1.63E-05	1.94E-06	2.58E-06	8.52E-06	5.87E-07
7282	470171.09	3820949.47	0.000029854	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.93E-06	2.56E-06	8.45E-06	5.83E-07
7283	470180.79	3820949.6	0.000029609	1.24E-04	1.12E-05	2.47E-05	9.14E-05	8.04E-06	2.80E-06	1.60E-05	1.91E-06	2.54E-06	8.38E-06	5.78E-07
7284	470190.49	3820949.74	0.000029373	1.23E-04	1.11E-05	2.45E-05	9.06E-05	7.97E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.31E-06	5.73E-07
7285	470200.19	3820949.87	0.000029128	1.22E-04	1.10E-05	2.43E-05	8.99E-05	7.91E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.24E-06	5.68E-07
7286	470209.88	3820950.01	0.000028883	1.21E-04	1.09E-05	2.41E-05	8.91E-05	7.84E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.18E-06	5.64E-07
7287	470219.58	3820950.14	0.000028637	1.20E-04	1.08E-05	2.39E-05	8.84E-05	7.77E-06	2.70E-06	1.55E-05	1.85E-06	2.46E-06	8.11E-06	5.59E-07
7288	470229.28	3820950.28	0.000028402	1.19E-04	1.07E-05	2.37E-05	8.76E-05	7.71E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.04E-06	5.54E-07
7289	470238.98	3820950.41	0.000028161	1.18E-04	1.07E-05	2.35E-05	8.69E-05	7.64E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.97E-06	5.49E-07
7290	470248.67	3820950.55	0.000027925	1.17E-04	1.06E-05	2.33E-05	8.62E-05	7.58E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.90E-06	5.45E-07
7291	470258.37	3820950.68	0.000027694	1.16E-04	1.05E-05	2.31E-05	8.55E-05	7.52E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.84E-06	5.40E-07
7292	470306.24	3819458.15	0.0019757	8.30E-03	7.47E-04	1.65E-03	6.10E-03	5.36E-04	1.87E-04	1.07E-03	1.27E-04	1.70E-04	5.59E-04	3.86E-05
7293	470309.33	3819441.44	0.0022462	9.43E-03	8.49E-04	1.87E-03	6.93E-03	6.10E-04	2.12E-04	1.21E-03	1.45E-04	1.93E-04	6.36E-04	4.38E-05
7294	470309.41	3819431.79	0.0024477	1.03E-02	9.26E-04	2.04E-03	7.55E-03	6.64E-04	2.31E-04	1.32E-03	1.58E-04	2.10E-04	6.93E-04	4.78E-05
7295	470309.5	3819422.14	0.0026329	1.11E-02	9.96E-04	2.19E-03	8.12E-03	7.15E-04	2.49E-04	1.42E-03	1.70E-04	2.26E-04	7.45E-04	5.14E-05
7296	470309.58	3819412.49	0.0027888	1.17E-02	1.05E-03	2.32E-03	8.61E-03	7.57E-04	2.63E-04	1.51E-03	1.80E-04	2.39E-04	7.89E-04	5.44E-05

7297	470309.66	3819402.85	0.0029109	1.22E-02	1.10E-03	2.42E-03	8.98E-03	7.90E-04	2.75E-04	1.57E-03	1.88E-04	2.50E-04	8.24E-04	5.68E-05
7298	470309.75	3819393.2	0.0030018	1.26E-02	1.14E-03	2.50E-03	9.26E-03	8.15E-04	2.83E-04	1.62E-03	1.94E-04	2.58E-04	8.50E-04	5.86E-05
7299	470309.83	3819383.55	0.0030635	1.29E-02	1.16E-03	2.55E-03	9.45E-03	8.32E-04	2.89E-04	1.66E-03	1.98E-04	2.63E-04	8.67E-04	5.98E-05
7300	470309.91	3819373.9	0.0030984	1.30E-02	1.17E-03	2.58E-03	9.56E-03	8.41E-04	2.93E-04	1.68E-03	2.00E-04	2.66E-04	8.77E-04	6.05E-05
7301	470309.99	3819364.25	0.0031066	1.30E-02	1.17E-03	2.59E-03	9.59E-03	8.43E-04	2.93E-04	1.68E-03	2.00E-04	2.67E-04	8.79E-04	6.06E-05
7302	470310.08	3819354.61	0.0030941	1.30E-02	1.17E-03	2.58E-03	9.55E-03	8.40E-04	2.92E-04	1.67E-03	2.00E-04	2.66E-04	8.76E-04	6.04E-05
7303	470310.16	3819344.96	0.0030639	1.29E-02	1.16E-03	2.55E-03	9.45E-03	8.32E-04	2.89E-04	1.66E-03	1.98E-04	2.63E-04	8.67E-04	5.98E-05
7304	470310.24	3819335.31	0.0030172	1.27E-02	1.14E-03	2.51E-03	9.31E-03	8.19E-04	2.85E-04	1.63E-03	1.95E-04	2.59E-04	8.54E-04	5.89E-05
7305	470310.32	3819325.66	0.0029516	1.24E-02	1.12E-03	2.46E-03	9.11E-03	8.01E-04	2.79E-04	1.60E-03	1.90E-04	2.53E-04	8.35E-04	5.76E-05
7306	470310.41	3819316.01	0.0028648	1.20E-02	1.08E-03	2.39E-03	8.84E-03	7.78E-04	2.71E-04	1.55E-03	1.85E-04	2.46E-04	8.11E-04	5.59E-05
7307	470310.49	3819306.36	0.002755	1.16E-02	1.04E-03	2.29E-03	8.50E-03	7.48E-04	2.60E-04	1.49E-03	1.78E-04	2.37E-04	7.80E-04	5.38E-05
7308	470310.57	3819296.72	0.0026222	1.10E-02	9.92E-04	2.18E-03	8.09E-03	7.12E-04	2.48E-04	1.42E-03	1.69E-04	2.25E-04	7.42E-04	5.12E-05
7309	470310.66	3819287.07	0.0024634	1.03E-02	9.32E-04	2.05E-03	7.60E-03	6.69E-04	2.33E-04	1.33E-03	1.59E-04	2.11E-04	6.97E-04	4.81E-05
7310	470310.74	3819277.42	0.0022778	9.57E-03	8.61E-04	1.90E-03	7.03E-03	6.18E-04	2.15E-04	1.23E-03	1.47E-04	1.96E-04	6.45E-04	4.44E-05
7311	470310.82	3819267.77	0.0020655	8.67E-03	7.81E-04	1.72E-03	6.37E-03	5.61E-04	1.95E-04	1.12E-03	1.33E-04	1.77E-04	5.85E-04	4.03E-05
7312	470310.9	3819258.12	0.001831	7.69E-03	6.92E-04	1.53E-03	5.65E-03	4.97E-04	1.73E-04	9.90E-04	1.18E-04	1.57E-04	5.18E-04	3.57E-05
7313	470310.99	3819248.48	0.0015877	6.67E-03	6.00E-04	1.32E-03	4.90E-03	4.31E-04	1.50E-04	8.58E-04	1.02E-04	1.36E-04	4.49E-04	3.10E-05
7314	470316.24	3819458.24	0.001742	7.32E-03	6.59E-04	1.45E-03	5.38E-03	4.73E-04	1.64E-04	9.42E-04	1.12E-04	1.50E-04	4.93E-04	3.40E-05
7315	470310.22	3819472.37	0.0016233	6.82E-03	6.14E-04	1.35E-03	5.01E-03	4.41E-04	1.53E-04	8.78E-04	1.05E-04	1.39E-04	4.59E-04	3.17E-05
7316	470319.33	3819441.52	0.0019427	8.16E-03	7.35E-04	1.62E-03	5.99E-03	5.27E-04	1.83E-04	1.05E-03	1.25E-04	1.67E-04	5.50E-04	3.79E-05
7317	470319.41	3819431.88	0.0020907	8.78E-03	7.91E-04	1.74E-03	6.45E-03	5.68E-04	1.97E-04	1.13E-03	1.35E-04	1.79E-04	5.92E-04	4.08E-05
7318	470319.5	3819422.23	0.0022253	9.35E-03	8.42E-04	1.85E-03	6.87E-03	6.04E-04	2.10E-04	1.20E-03	1.44E-04	1.91E-04	6.30E-04	4.34E-05
7319	470319.58	3819412.58	0.0023393	9.82E-03	8.85E-04	1.95E-03	7.22E-03	6.35E-04	2.21E-04	1.26E-03	1.51E-04	2.01E-04	6.62E-04	4.56E-05
7320	470319.66	3819402.93	0.002431	1.02E-02	9.19E-04	2.02E-03	7.50E-03	6.60E-04	2.30E-04	1.31E-03	1.57E-04	2.09E-04	6.88E-04	4.74E-05
7321	470319.74	3819393.28	0.0025028	1.05E-02	9.47E-04	2.08E-03	7.72E-03	6.79E-04	2.36E-04	1.35E-03	1.61E-04	2.15E-04	7.08E-04	4.88E-05
7322	470319.83	3819383.64	0.0025505	1.07E-02	9.65E-04	2.12E-03	7.87E-03	6.92E-04	2.41E-04	1.38E-03	1.65E-04	2.19E-04	7.22E-04	4.98E-05
7323	470319.91	3819373.99	0.0025762	1.08E-02	9.74E-04	2.15E-03	7.95E-03	6.99E-04	2.43E-04	1.39E-03	1.66E-04	2.21E-04	7.29E-04	5.03E-05
7324	470319.99	3819364.34	0.0025793	1.08E-02	9.75E-04	2.15E-03	7.96E-03	7.00E-04	2.44E-04	1.39E-03	1.66E-04	2.21E-04	7.30E-04	5.03E-05
7325	470320.08	3819354.69	0.002565	1.08E-02	9.70E-04	2.14E-03	7.92E-03	6.96E-04	2.42E-04	1.39E-03	1.65E-04	2.20E-04	7.26E-04	5.00E-05
7326	470320.16	3819345.04	0.0025349	1.06E-02	9.59E-04	2.11E-03	7.82E-03	6.88E-04	2.39E-04	1.37E-03	1.64E-04	2.18E-04	7.18E-04	4.95E-05
7327	470320.24	3819335.39	0.0024891	1.05E-02	9.41E-04	2.07E-03	7.68E-03	6.76E-04	2.35E-04	1.35E-03	1.61E-04	2.14E-04	7.05E-04	4.86E-05
7328	470320.32	3819325.75	0.0024276	1.02E-02	9.18E-04	2.02E-03	7.49E-03	6.59E-04	2.29E-04	1.31E-03	1.57E-04	2.08E-04	6.87E-04	4.74E-05
7329	470320.41	3819316.1	0.0023492	9.87E-03	8.88E-04	1.96E-03	7.25E-03	6.38E-04	2.22E-04	1.27E-03	1.52E-04	2.02E-04	6.65E-04	4.58E-05
7330	470320.49	3819306.45	0.002254	9.47E-03	8.52E-04	1.88E-03	6.96E-03	6.12E-04	2.13E-04	1.22E-03	1.45E-04	1.93E-04	6.38E-04	4.40E-05
7331	470320.57	3819296.8	0.0021409	8.99E-03	8.10E-04	1.78E-03	6.61E-03	5.81E-04	2.02E-04	1.16E-03	1.38E-04	1.84E-04	6.06E-04	4.18E-05
7332	470320.65	3819287.15	0.002009	8.44E-03	7.60E-04	1.67E-03	6.20E-03	5.45E-04	1.90E-04	1.09E-03	1.30E-04	1.72E-04	5.69E-04	3.92E-05
7333	470320.74	3819277.51	0.0018584	7.80E-03	7.03E-04	1.55E-03	5.73E-03	5.04E-04	1.75E-04	1.00E-03	1.20E-04	1.60E-04	5.26E-04	3.63E-05
7334	470320.82	3819267.86	0.001691	7.10E-03	6.40E-04	1.41E-03	5.22E-03	4.59E-04	1.60E-04	9.14E-04	1.09E-04	1.45E-04	4.79E-04	3.30E-05
7335	470320.9	3819258.21	0.0015113	6.35E-03	5.72E-04	1.26E-03	4.66E-03	4.10E-04	1.43E-04	8.17E-04	9.75E-05	1.30E-04	4.28E-04	2.95E-05
7336	470320.99	3819248.56	0.0013284	5.58E-03	5.02E-04	1.11E-03	4.10E-03	3.61E-04	1.25E-04	7.18E-04	8.57E-05	1.14E-04	3.76E-04	2.59E-05
7337	470325.49	3819460.09	0.0015373	6.46E-03	5.81E-04	1.28E-03	4.74E-03	4.17E-04	1.45E-04	8.31E-04	9.92E-05	1.32E-04	4.35E-04	3.00E-05
7338	470321.73	3819468.92	0.0014819	6.22E-03	5.60E-04	1.23E-03	4.57E-03	4.02E-04	1.40E-04	8.01E-04	9.56E-05	1.27E-04	4.19E-04	2.89E-05
7339	470317.97	3819477.75	0.0014188	5.96E-03	5.37E-04	1.18E-03	4.38E-03	3.85E-04	1.34E-04	7.67E-04	9.15E-05	1.22E-04	4.02E-04	2.77E-05
7340	470305.29	3819490.14	0.0014254	5.99E-03	5.39E-04	1.19E-03	4.40E-03	3.87E-04	1.35E-04	7.71E-04	9.19E-05	1.22E-04	4.03E-04	2.78E-05
7341	470329.25	3819451.26	0.0015821	6.64E-03	5.98E-04	1.32E-03	4.88E-03	4.29E-04	1.49E-04	8.55E-04	1.02E-04	1.36E-04	4.48E-04	3.09E-05
7342	470329.33	3819441.61	0.0016998	7.14E-03	6.43E-04	1.42E-03	5.25E-03	4.61E-04	1.61E-04	9.19E-04	1.10E-04	1.46E-04	4.81E-04	3.32E-05
7343	470329.41	3819431.96	0.0018129	7.61E-03	6.86E-04	1.51E-03	5.59E-03	4.92E-04	1.71E-04	9.80E-04	1.17E-04	1.56E-04	5.13E-04	3.54E-05
7344	470329.5	3819422.31	0.0019154	8.04E-03	7.24E-04	1.60E-03	5.91E-03	5.20E-04	1.81E-04	1.04E-03	1.24E-04	1.64E-04	5.42E-04	3.74E-05
7345	470329.58	3819412.67	0.0020027	8.41E-03	7.57E-04	1.67E-03	6.18E-03	5.44E-04	1.89E-04	1.08E-03	1.29E-04	1.72E-04	5.67E-04	3.91E-05
7346	470329.66	3819403.02	0.0020731	8.71E-03	7.84E-04	1.73E-03	6.40E-03	5.63E-04	1.96E-04	1.12E-03	1.34E-04	1.78E-04	5.87E-04	4.05E-05
7347	470329.74	3819393.37	0.0021267	8.93E-03	8.04E-04	1.77E-03	6.56E-03	5.77E-04	2.01E-04	1.15E-03	1.37E-04	1.83E-04	6.02E-04	4.15E-05
7348	470329.83	3819383.72	0.0021617	9.08E-03	8.18E-04	1.80E-03	6.67E-03	5.87E-04	2.04E-04	1.17E-03	1.39E-04	1.86E-04	6.12E-04	4.22E-05
7349	470329.91	3819374.07	0.0021795	9.15E-03	8.24E-04	1.82E-03	6.73E-03	5.92E-04	2.06E-04	1.18E-03	1.41E-04	1.87E-04	6.17E-04	4.25E-05
7350	470329.99	3819364.43	0.0021805	9.16E-03	8.25E-04	1.82E-03	6.73E-03	5.92E-04	2.06E-04	1.18E-03	1.41E-04	1.87E-04	6.17E-04	4.25E-05
7351	470330.08	3819354.78	0.0021665	9.10E-03	8.19E-04	1.80E-03	6.69E-03	5.88E-04	2.05E-04	1.17E-03	1.40E-04	1.86E-04	6.13E-04	4.23E-05
7352	470330.16	3819345.13	0.0021387	8.98E-03	8.09E-04	1.78E-03	6.60E-03	5.81E-04	2.02E-04	1.16E-03	1.38E-04	1.84E-04	6.05E-04	4.17E-05
7353	470330.24	3819335.48	0.0020966	8.80E-03	7.93E-04	1.75E-03	6.47E-03	5.69E-04	1.98E-04	1.13E-03	1.35E-04	1.80E-04	5.93E-04	4.09E-05
7354	470330.32	3819325.83	0.0020412	8.57E-03	7.72E-04	1.70E-03	6.30E-03	5.54E-04	1.93E-04	1.10E-03	1.32E-04	1.75E-04	5.78E-04	3.98E-05
7355	470330.41	3819316.18	0.0019719	8.28E-03	7.46E-04	1.64E-03	6.08E-03	5.35E-04	1.86E-04	1.07E-03	1.27E-04	1.69E-04	5.58E-04	3.85E-05
7356	470330.49	3819306.54	0.0018891	7.93E-03	7.14E-04	1.57E-03	5.83E-03	5.13E-04	1.78E-04	1.02E-03	1.22E-04	1.62E-04	5.35E-04	3.69E-05
7357	470330.57	3819296.89	0.0017922	7.53E-03	6.78E-04	1.49E-03	5.53E-03	4.87E-04	1.69E-04	9.69E-04	1.16E-04	1.54E-04	5.07E-04	3.50E-05
7358	470330.65	3819287.24	0.0016813	7.06E-03	6.36E-04	1.40E-03	5.19E-03	4.56E-04	1.59E-04	9.09E-04	1.08E-04	1.44E-04	4.76E-04	3.28E-05
7359	470330.74	3819277.59	0.001557	6.54E-03	5.89E-04	1.30E-03	4.80E-03	4.23E-04	1.47E-04	8.42E-04	1.00E-04	1.34E-04	4.41E-04	3.04E-05
7360	470330.82	3819267.94	0.001422	5.97E-03	5.38E-04	1.18E-03	4.39E-03	3.86E-04	1.34E-04	7.69E-04	9.17E-05	1.22E-04	4.03E-04	2.77E-05
7361	470330.9	3819258.3	0.0012799	5.37E-03	4.84E-04	1.07E-03	3.95E-03	3.47E-04	1.21E-04	6.92E-04	8.26E-05	1.10E-04	3.62E-04	2.50E-05
7362	470330.99	3819248.65	0.0011363	4.77E-03	4.30E-04	9.46E-04	3.51E-03	3.08E-04	1.07E-04	6.14E-04	7.33E-05	9.75E-05	3.22E-04	2.22E-05
7363	470335.64	3819459.82	0.0013775	5.79E-03	5.21E-04	1.15E-03	4.25E-03	3.74E-04	1.30E-04	7.45E-04	8.89E-05	1.18E-04	3.90E-04	2.69E-05
7364	470332.03	3819468.3	0.0013377	5.62E-03	5.06E-04	1.11E-03	4.13E-03	3.63E-04	1.26E-04	7.23E-04	8.63E-05	1.15E-04	3.79E-04	2.61E-05
7365	470328.42	3819476.78	0.0012907	5.42E-03	4.88E-04	1.08E-03	3.98E-03	3.50E-04	1.22E-04	6.98E-04	8.33E-05	1.11E-04	3.65E-04	2.52E-05
7366	470324.81	3819485.25	0.0012404	5.21E-03	4.69E-04	1.03E-03	3.83E-03	3.37E-04	1.17E-04	6.71E-04	8.00E-05	1.06E-04	3.51E-04	2.42E-05
7367	470312.64	3819497.15	0.0012444	5.23E-03	4.71E-04	1.04E-03	3.84E-03	3.38E-04	1.18E-04	6.73E-04	8.03E-05	1.07E-04	3.52E-04	2.43E-05
7368	470304.08	3819500.57	0.0013013	5.46E-03	4.92E-04	1.08E-03	4.02E-03	3.53E-04	1.23E-04	7.03E-04	8.39E-05	1.12E-04	3.68E-04	2.54E-05
7369	470339.25	3819451.34	0.0014089	5.92E-03	5.33E-04	1.17E-03	4.35E-03	3.82E-04	1.33E-04	7.62E-04	9.09E-05	1.21E-04	3.99E-04	2.75E-05

7370	470339.33	3819441.7	0.0015017	6.31E-03	5.68E-04	1.25E-03	4.63E-03	4.08E-04	1.42E-04	8.12E-04	9.69E-05	1.29E-04	4.25E-04	2.93E-05
7371	470339.41	3819432.05	0.0015902	6.68E-03	6.01E-04	1.32E-03	4.91E-03	4.32E-04	1.50E-04	8.60E-04	1.03E-04	1.37E-04	4.50E-04	3.10E-05
7372	470339.5	3819422.4	0.00167	7.01E-03	6.32E-04	1.39E-03	5.15E-03	4.53E-04	1.58E-04	9.03E-04	1.08E-04	1.43E-04	4.73E-04	3.26E-05
7373	470339.58	3819412.75	0.0017383	7.30E-03	6.57E-04	1.45E-03	5.36E-03	4.72E-04	1.64E-04	9.40E-04	1.12E-04	1.49E-04	4.92E-04	3.39E-05
7374	470339.66	3819403.1	0.001793	7.53E-03	6.78E-04	1.49E-03	5.53E-03	4.87E-04	1.69E-04	9.69E-04	1.16E-04	1.54E-04	5.08E-04	3.50E-05
7375	470339.74	3819393.46	0.0018339	7.70E-03	6.94E-04	1.53E-03	5.66E-03	4.98E-04	1.73E-04	9.91E-04	1.18E-04	1.57E-04	5.19E-04	3.58E-05
7376	470339.83	3819383.81	0.0018598	7.81E-03	7.03E-04	1.55E-03	5.74E-03	5.05E-04	1.76E-04	1.01E-03	1.20E-04	1.60E-04	5.26E-04	3.63E-05
7377	470339.91	3819374.16	0.001872	7.86E-03	7.08E-04	1.56E-03	5.78E-03	5.08E-04	1.77E-04	1.01E-03	1.21E-04	1.61E-04	5.30E-04	3.65E-05
7378	470339.99	3819364.51	0.0018715	7.86E-03	7.08E-04	1.56E-03	5.78E-03	5.08E-04	1.77E-04	1.01E-03	1.21E-04	1.61E-04	5.30E-04	3.65E-05
7379	470340.08	3819354.86	0.0018579	7.80E-03	7.03E-04	1.55E-03	5.73E-03	5.04E-04	1.75E-04	1.00E-03	1.20E-04	1.59E-04	5.26E-04	3.63E-05
7380	470340.16	3819345.21	0.0018322	7.69E-03	6.93E-04	1.53E-03	5.65E-03	4.97E-04	1.73E-04	9.90E-04	1.18E-04	1.57E-04	5.19E-04	3.58E-05
7381	470340.24	3819335.57	0.0017939	7.53E-03	6.78E-04	1.49E-03	5.54E-03	4.87E-04	1.69E-04	9.70E-04	1.16E-04	1.54E-04	5.08E-04	3.50E-05
7382	470340.32	3819325.92	0.0017442	7.32E-03	6.60E-04	1.45E-03	5.38E-03	4.73E-04	1.65E-04	9.43E-04	1.13E-04	1.50E-04	4.94E-04	3.40E-05
7383	470340.41	3819316.27	0.0016829	7.07E-03	6.36E-04	1.40E-03	5.19E-03	4.57E-04	1.59E-04	9.10E-04	1.09E-04	1.44E-04	4.76E-04	3.28E-05
7384	470340.49	3819306.62	0.0016106	6.76E-03	6.09E-04	1.34E-03	4.97E-03	4.37E-04	1.52E-04	8.71E-04	1.04E-04	1.38E-04	4.56E-04	3.14E-05
7385	470340.57	3819296.97	0.0015273	6.41E-03	5.78E-04	1.27E-03	4.71E-03	4.15E-04	1.44E-04	8.26E-04	9.85E-05	1.31E-04	4.32E-04	2.98E-05
7386	470340.65	3819287.33	0.0014334	6.02E-03	5.42E-04	1.19E-03	4.42E-03	3.89E-04	1.35E-04	7.75E-04	9.25E-05	1.23E-04	4.06E-04	2.80E-05
7387	470340.74	3819277.68	0.0013299	5.58E-03	5.03E-04	1.11E-03	4.10E-03	3.61E-04	1.26E-04	7.19E-04	8.58E-05	1.14E-04	3.76E-04	2.59E-05
7388	470340.82	3819268.03	0.001219	5.12E-03	4.61E-04	1.02E-03	3.76E-03	3.31E-04	1.15E-04	6.59E-04	7.86E-05	1.05E-04	3.45E-04	2.38E-05
7389	470340.9	3819258.38	0.0011037	4.64E-03	4.17E-04	9.19E-04	3.41E-03	3.00E-04	1.04E-04	5.97E-04	7.12E-05	9.47E-05	3.12E-04	2.15E-05
7390	470340.99	3819248.73	0.00098808	4.15E-03	3.74E-04	8.23E-04	3.05E-03	2.68E-04	9.33E-05	5.34E-04	6.37E-05	8.48E-05	2.80E-04	1.93E-05
7391	470345.74	3819459.67	0.0012407	5.21E-03	4.69E-04	1.03E-03	3.83E-03	3.37E-04	1.17E-04	6.71E-04	8.00E-05	1.07E-04	3.51E-04	2.42E-05
7392	470338.72	3819476.16	0.0011759	4.94E-03	4.45E-04	9.79E-04	3.63E-03	3.19E-04	1.11E-04	6.36E-04	7.58E-05	1.01E-04	3.33E-04	2.29E-05
7393	470331.7	3819492.64	0.0010959	4.60E-03	4.14E-04	9.13E-04	3.38E-03	2.97E-04	1.03E-04	5.92E-04	7.07E-05	9.41E-05	3.10E-04	2.14E-05
7394	470319.87	3819504.2	0.0010989	4.61E-03	4.16E-04	9.15E-04	3.39E-03	2.98E-04	1.04E-04	5.94E-04	7.09E-05	9.43E-05	3.11E-04	2.14E-05
7395	470303.23	3819510.85	0.0011897	5.00E-03	4.50E-04	9.91E-04	3.67E-03	3.23E-04	1.12E-04	6.43E-04	7.67E-05	1.02E-04	3.37E-04	2.32E-05
7396	470349.33	3819441.78	0.0013377	5.62E-03	5.06E-04	1.11E-03	4.13E-03	3.63E-04	1.26E-04	7.23E-04	8.63E-05	1.15E-04	3.79E-04	2.61E-05
7397	470349.41	3819432.13	0.0014081	5.91E-03	5.33E-04	1.17E-03	4.35E-03	3.82E-04	1.33E-04	7.61E-04	9.08E-05	1.21E-04	3.99E-04	2.75E-05
7398	470349.5	3819422.49	0.0014713	6.18E-03	5.56E-04	1.23E-03	4.54E-03	3.99E-04	1.39E-04	7.95E-04	9.49E-05	1.26E-04	4.16E-04	2.87E-05
7399	470349.58	3819412.84	0.0015254	6.41E-03	5.77E-04	1.27E-03	4.71E-03	4.14E-04	1.44E-04	8.25E-04	9.84E-05	1.31E-04	4.32E-04	2.98E-05
7400	470349.66	3819403.19	0.0015686	6.59E-03	5.93E-04	1.31E-03	4.84E-03	4.26E-04	1.48E-04	8.48E-04	1.01E-04	1.35E-04	4.44E-04	3.06E-05
7401	470349.74	3819393.54	0.0016001	6.72E-03	6.05E-04	1.33E-03	4.94E-03	4.34E-04	1.51E-04	8.65E-04	1.03E-04	1.37E-04	4.53E-04	3.12E-05
7402	470349.83	3819383.89	0.0016193	6.80E-03	6.12E-04	1.35E-03	5.00E-03	4.40E-04	1.53E-04	8.75E-04	1.04E-04	1.39E-04	4.58E-04	3.16E-05
7403	470349.91	3819374.24	0.0016274	6.83E-03	6.15E-04	1.36E-03	5.02E-03	4.42E-04	1.54E-04	8.80E-04	1.05E-04	1.40E-04	4.61E-04	3.18E-05
7404	470349.99	3819364.6	0.0016259	6.83E-03	6.15E-04	1.35E-03	5.02E-03	4.41E-04	1.54E-04	8.79E-04	1.05E-04	1.40E-04	4.60E-04	3.17E-05
7405	470350.07	3819354.95	0.001613	6.77E-03	6.10E-04	1.34E-03	4.98E-03	4.38E-04	1.52E-04	8.72E-04	1.04E-04	1.38E-04	4.57E-04	3.15E-05
7406	470350.16	3819345.3	0.001589	6.67E-03	6.01E-04	1.32E-03	4.90E-03	4.31E-04	1.50E-04	8.59E-04	1.02E-04	1.36E-04	4.50E-04	3.10E-05
7407	470350.24	3819335.65	0.0015543	6.53E-03	5.88E-04	1.29E-03	4.80E-03	4.22E-04	1.47E-04	8.40E-04	1.00E-04	1.33E-04	4.40E-04	3.03E-05
7408	470350.32	3819326	0.0015098	6.34E-03	5.71E-04	1.26E-03	4.66E-03	4.10E-04	1.43E-04	8.16E-04	9.74E-05	1.30E-04	4.27E-04	2.95E-05
7409	470350.41	3819316.36	0.0014557	6.11E-03	5.51E-04	1.21E-03	4.49E-03	3.95E-04	1.37E-04	7.87E-04	9.39E-05	1.25E-04	4.12E-04	2.84E-05
7410	470350.49	3819306.71	0.0013925	5.85E-03	5.27E-04	1.16E-03	4.30E-03	3.78E-04	1.31E-04	7.53E-04	8.98E-05	1.20E-04	3.94E-04	2.72E-05
7411	470350.57	3819297.06	0.0013205	5.55E-03	4.99E-04	1.10E-03	4.07E-03	3.58E-04	1.25E-04	7.14E-04	8.52E-05	1.13E-04	3.74E-04	2.58E-05
7412	470350.65	3819287.41	0.0012404	5.21E-03	4.69E-04	1.03E-03	3.83E-03	3.37E-04	1.17E-04	6.71E-04	8.00E-05	1.06E-04	3.51E-04	2.42E-05
7413	470350.74	3819277.76	0.0011531	4.84E-03	4.36E-04	9.60E-04	3.56E-03	3.13E-04	1.09E-04	6.23E-04	7.44E-05	9.90E-05	3.26E-04	2.25E-05
7414	470350.82	3819268.11	0.0010607	4.45E-03	4.01E-04	8.84E-04	3.27E-03	2.88E-04	1.00E-04	5.73E-04	6.84E-05	9.11E-05	3.00E-04	2.07E-05
7415	470350.9	3819258.47	0.00096562	4.06E-03	3.65E-04	8.04E-04	2.98E-03	2.62E-04	9.12E-05	5.22E-04	6.23E-05	8.29E-05	2.73E-04	1.88E-05
7416	470350.98	3819248.82	0.00087056	3.66E-03	3.29E-04	7.25E-04	2.69E-03	2.36E-04	8.22E-05	4.71E-04	5.62E-05	7.47E-05	2.46E-04	1.70E-05
7417	470355.81	3819459.59	0.0011229	4.72E-03	4.25E-04	9.35E-04	3.47E-03	3.05E-04	1.06E-04	6.07E-04	7.24E-05	9.64E-05	3.18E-04	2.19E-05
7418	470348.93	3819475.74	0.0010739	4.51E-03	4.06E-04	8.95E-04	3.31E-03	2.92E-04	1.01E-04	5.81E-04	6.93E-05	9.22E-05	3.04E-04	2.10E-05
7419	470342.06	3819491.88	0.0010106	4.24E-03	3.82E-04	8.42E-04	3.12E-03	2.74E-04	9.54E-05	5.46E-04	6.52E-05	8.68E-05	2.86E-04	1.97E-05
7420	470327.03	3819511.29	0.0009801	4.12E-03	3.71E-04	8.16E-04	3.02E-03	2.66E-04	9.26E-05	5.30E-04	6.32E-05	8.41E-05	2.77E-04	1.91E-05
7421	470310.73	3819517.8	0.0010538	4.43E-03	3.99E-04	8.78E-04	3.25E-03	2.86E-04	9.95E-05	5.70E-04	6.80E-05	9.05E-05	2.98E-04	2.06E-05
7422	470359.33	3819441.87	0.0011998	5.04E-03	4.54E-04	9.99E-04	3.70E-03	3.26E-04	1.13E-04	6.49E-04	7.74E-05	1.03E-04	3.40E-04	2.34E-05
7423	470359.41	3819432.22	0.0012567	5.28E-03	4.75E-04	1.05E-03	3.88E-03	3.41E-04	1.19E-04	6.79E-04	8.11E-05	1.08E-04	3.56E-04	2.45E-05
7424	470359.5	3819422.57	0.0013075	5.49E-03	4.94E-04	1.09E-03	4.03E-03	3.55E-04	1.23E-04	7.07E-04	8.43E-05	1.12E-04	3.70E-04	2.55E-05
7425	470359.58	3819412.92	0.0013509	5.67E-03	5.11E-04	1.13E-03	4.17E-03	3.67E-04	1.28E-04	7.30E-04	8.71E-05	1.16E-04	3.82E-04	2.64E-05
7426	470359.66	3819403.28	0.0013854	5.82E-03	5.24E-04	1.15E-03	4.28E-03	3.76E-04	1.31E-04	7.49E-04	8.94E-05	1.19E-04	3.92E-04	2.70E-05
7427	470359.74	3819393.63	0.0014103	5.92E-03	5.33E-04	1.17E-03	4.35E-03	3.83E-04	1.33E-04	7.62E-04	9.10E-05	1.21E-04	3.99E-04	2.75E-05
7428	470359.83	3819383.98	0.0014252	5.99E-03	5.39E-04	1.19E-03	4.40E-03	3.87E-04	1.35E-04	7.70E-04	9.19E-05	1.22E-04	4.03E-04	2.78E-05
7429	470359.91	3819374.33	0.0014305	6.01E-03	5.41E-04	1.19E-03	4.41E-03	3.88E-04	1.35E-04	7.73E-04	9.23E-05	1.23E-04	4.05E-04	2.79E-05
7430	470359.99	3819364.68	0.0014269	5.99E-03	5.40E-04	1.19E-03	4.40E-03	3.87E-04	1.35E-04	7.71E-04	9.20E-05	1.22E-04	4.04E-04	2.78E-05
7431	470360.07	3819355.03	0.0014139	5.94E-03	5.35E-04	1.18E-03	4.36E-03	3.84E-04	1.34E-04	7.64E-04	9.12E-05	1.21E-04	4.00E-04	2.76E-05
7432	470360.16	3819345.39	0.0013916	5.84E-03	5.26E-04	1.16E-03	4.29E-03	3.78E-04	1.31E-04	7.52E-04	8.98E-05	1.19E-04	3.94E-04	2.72E-05
7433	470360.24	3819335.74	0.0013605	5.71E-03	5.15E-04	1.13E-03	4.20E-03	3.69E-04	1.28E-04	7.35E-04	8.78E-05	1.17E-04	3.85E-04	2.65E-05
7434	470360.32	3819326.09	0.0013209	5.55E-03	5.00E-04	1.10E-03	4.08E-03	3.59E-04	1.25E-04	7.14E-04	8.52E-05	1.13E-04	3.74E-04	2.58E-05
7435	470360.41	3819316.44	0.0012732	5.35E-03	4.82E-04	1.06E-03	3.93E-03	3.46E-04	1.20E-04	6.88E-04	8.21E-05	1.09E-04	3.60E-04	2.48E-05
7436	470360.49	3819306.79	0.0012178	5.11E-03	4.61E-04	1.01E-03	3.76E-03	3.31E-04	1.15E-04	6.58E-04	7.86E-05	1.05E-04	3.45E-04	2.38E-05
7437	470360.57	3819297.15	0.0011554	4.85E-03	4.37E-04	9.62E-04	3.57E-03	3.14E-04	1.09E-04	6.25E-04	7.45E-05	9.92E-05	3.27E-04	2.25E-05
7438	470360.65	3819287.5	0.0010865	4.56E-03	4.11E-04	9.05E-04	3.35E-03	2.95E-04	1.03E-04	5.87E-04	7.01E-05	9.33E-05	3.08E-04	2.12E-05
7439	470360.74	3819277.85	0.0010122	4.25E-03	3.83E-04	8.43E-04	3.12E-03	2.75E-04	9.56E-05	5.47E-04	6.53E-05	8.69E-05	2.87E-04	1.98E-05
7440	470360.82	3819268.2	0.00093429	3.92E-03	3.53E-04	7.78E-04	2.88E-03	2.54E-04	8.82E-05	5.05E-04	6.03E-05	8.02E-05	2.64E-04	1.82E-05
7441	470360.9	3819258.55	0.00085445	3.59E-03	3.23E-04	7.12E-04	2.64E-03	2.32E-04	8.07E-05	4.62E-04	5.51E-05	7.34E-05	2.42E-04	1.67E-05
7442	470360.98	3819248.9	0.00077492	3.25E-03	2.93E-04	6.45E-04	2.39E-03	2.10E-04	7.32E-05	4.19E-04	5.00E-05	6.65E-05	2.19E-04	1.51E-05

7443	470365.86	3819459.55	0.001021	4.29E-03	3.86E-04	8.50E-04	3.15E-03	2.77E-04	9.64E-05	5.52E-04	6.59E-05	8.76E-05	2.89E-04	1.99E-05
7444	470359.09	3819475.44	0.00098394	4.13E-03	3.72E-04	8.20E-04	3.04E-03	2.67E-04	9.29E-05	5.32E-04	6.35E-05	8.45E-05	2.79E-04	1.92E-05
7445	470352.32	3819491.34	0.00093337	3.92E-03	3.53E-04	7.77E-04	2.88E-03	2.53E-04	8.81E-05	5.05E-04	6.02E-05	8.01E-05	2.64E-04	1.82E-05
7446	470345.55	3819507.23	0.0008783	3.69E-03	3.32E-04	7.32E-04	2.71E-03	2.38E-04	8.29E-05	4.75E-04	5.67E-05	7.54E-05	2.49E-04	1.71E-05
7447	470334.15	3819518.39	0.00088047	3.70E-03	3.33E-04	7.33E-04	2.72E-03	2.39E-04	8.31E-05	4.76E-04	5.68E-05	7.56E-05	2.49E-04	1.72E-05
7448	470318.11	3819524.8	0.00094171	3.95E-03	3.56E-04	7.84E-04	2.91E-03	2.56E-04	8.89E-05	5.09E-04	6.07E-05	8.08E-05	2.67E-04	1.84E-05
7449	470302.06	3819531.21	0.0010038	4.22E-03	3.80E-04	8.36E-04	3.10E-03	2.73E-04	9.48E-05	5.43E-04	6.48E-05	8.62E-05	2.84E-04	1.96E-05
7450	470369.33	3819441.95	0.0010827	4.55E-03	4.09E-04	9.02E-04	3.34E-03	2.94E-04	1.02E-04	5.85E-04	6.98E-05	9.29E-05	3.06E-04	2.11E-05
7451	470369.41	3819432.31	0.0011291	4.74E-03	4.27E-04	9.40E-04	3.48E-03	3.06E-04	1.07E-04	6.10E-04	7.28E-05	9.69E-05	3.20E-04	2.20E-05
7452	470369.49	3819422.66	0.0011705	4.92E-03	4.43E-04	9.75E-04	3.61E-03	3.18E-04	1.11E-04	6.33E-04	7.55E-05	1.00E-04	3.31E-04	2.28E-05
7453	470369.58	3819413.01	0.0012055	5.06E-03	4.56E-04	1.00E-03	3.72E-03	3.27E-04	1.14E-04	6.52E-04	7.78E-05	1.03E-04	3.41E-04	2.35E-05
7454	470369.66	3819403.36	0.0012333	5.18E-03	4.66E-04	1.03E-03	3.81E-03	3.35E-04	1.16E-04	6.67E-04	7.95E-05	1.06E-04	3.49E-04	2.41E-05
7455	470369.74	3819393.71	0.0012531	5.26E-03	4.74E-04	1.04E-03	3.87E-03	3.40E-04	1.18E-04	6.77E-04	8.08E-05	1.08E-04	3.55E-04	2.45E-05
7456	470369.83	3819384.06	0.0012644	5.31E-03	4.78E-04	1.05E-03	3.90E-03	3.43E-04	1.19E-04	6.84E-04	8.16E-05	1.09E-04	3.58E-04	2.47E-05
7457	470369.91	3819374.42	0.0012677	5.32E-03	4.79E-04	1.06E-03	3.91E-03	3.44E-04	1.20E-04	6.85E-04	8.18E-05	1.09E-04	3.59E-04	2.47E-05
7458	470369.99	3819364.77	0.0012629	5.30E-03	4.78E-04	1.05E-03	3.90E-03	3.43E-04	1.19E-04	6.83E-04	8.15E-05	1.08E-04	3.57E-04	2.46E-05
7459	470370.07	3819355.12	0.0012501	5.25E-03	4.73E-04	1.04E-03	3.86E-03	3.39E-04	1.18E-04	6.76E-04	8.06E-05	1.07E-04	3.54E-04	2.44E-05
7460	470370.16	3819345.47	0.0012294	5.16E-03	4.65E-04	1.02E-03	3.79E-03	3.34E-04	1.16E-04	6.65E-04	7.93E-05	1.06E-04	3.48E-04	2.40E-05
7461	470370.24	3819335.82	0.0012015	5.05E-03	4.54E-04	1.00E-03	3.71E-03	3.26E-04	1.13E-04	6.50E-04	7.75E-05	1.03E-04	3.40E-04	2.34E-05
7462	470370.32	3819326.18	0.0011664	4.90E-03	4.41E-04	9.72E-04	3.60E-03	3.17E-04	1.10E-04	6.31E-04	7.52E-05	1.00E-04	3.30E-04	2.28E-05
7463	470370.4	3819316.53	0.0011243	4.72E-03	4.25E-04	9.36E-04	3.47E-03	3.05E-04	1.06E-04	6.08E-04	7.25E-05	9.65E-05	3.18E-04	2.19E-05
7464	470370.49	3819306.88	0.0010755	4.52E-03	4.07E-04	8.96E-04	3.32E-03	2.92E-04	1.02E-04	5.81E-04	6.94E-05	9.23E-05	3.04E-04	2.10E-05
7465	470370.57	3819297.23	0.001021	4.29E-03	3.86E-04	8.50E-04	3.15E-03	2.77E-04	9.64E-05	5.52E-04	6.59E-05	8.76E-05	2.89E-04	1.99E-05
7466	470370.65	3819287.58	0.00096142	4.04E-03	3.64E-04	8.01E-04	2.97E-03	2.61E-04	9.08E-05	5.20E-04	6.20E-05	8.25E-05	2.72E-04	1.88E-05
7467	470370.74	3819277.93	0.00089765	3.77E-03	3.39E-04	7.48E-04	2.77E-03	2.44E-04	8.48E-05	4.85E-04	5.79E-05	7.71E-05	2.54E-04	1.75E-05
7468	470370.82	3819268.29	0.00083121	3.49E-03	3.14E-04	6.92E-04	2.56E-03	2.26E-04	7.85E-05	4.49E-04	5.36E-05	7.14E-05	2.35E-04	1.62E-05
7469	470370.9	3819258.64	0.00076337	3.21E-03	2.89E-04	6.36E-04	2.36E-03	2.07E-04	7.21E-05	4.13E-04	4.92E-05	6.55E-05	2.16E-04	1.49E-05
7470	470370.98	3819248.99	0.00069589	2.92E-03	2.63E-04	5.80E-04	2.15E-03	1.89E-04	6.57E-05	3.76E-04	4.49E-05	5.97E-05	1.97E-04	1.36E-05
7471	470375.49	3819460.52	0.00093072	3.91E-03	3.52E-04	7.75E-04	2.87E-03	2.53E-04	8.79E-05	5.03E-04	6.00E-05	7.99E-05	2.63E-04	1.82E-05
7472	470371.72	3819469.35	0.00091614	3.85E-03	3.46E-04	7.63E-04	2.83E-03	2.49E-04	8.65E-05	4.95E-04	5.91E-05	7.86E-05	2.59E-04	1.79E-05
7473	470367.96	3819478.18	0.00089725	3.77E-03	3.39E-04	7.47E-04	2.77E-03	2.44E-04	8.47E-05	4.85E-04	5.79E-05	7.70E-05	2.54E-04	1.75E-05
7474	470364.2	3819487.01	0.00087494	3.67E-03	3.31E-04	7.29E-04	2.70E-03	2.38E-04	8.26E-05	4.73E-04	5.64E-05	7.51E-05	2.48E-04	1.71E-05
7475	470360.44	3819495.84	0.00085003	3.57E-03	3.21E-04	7.08E-04	2.62E-03	2.31E-04	8.03E-05	4.60E-04	5.48E-05	7.30E-05	2.41E-04	1.66E-05
7476	470356.68	3819504.67	0.00082389	3.46E-03	3.12E-04	6.86E-04	2.54E-03	2.24E-04	7.78E-05	4.45E-04	5.31E-05	7.07E-05	2.33E-04	1.61E-05
7477	470352.92	3819513.5	0.0007972	3.35E-03	3.01E-04	6.64E-04	2.46E-03	2.16E-04	7.53E-05	4.31E-04	5.14E-05	6.84E-05	2.26E-04	1.56E-05
7478	470340.25	3819525.89	0.00079911	3.36E-03	3.02E-04	6.66E-04	2.47E-03	2.17E-04	7.55E-05	4.32E-04	5.15E-05	6.86E-05	2.26E-04	1.56E-05
7479	470331.34	3819529.45	0.00082816	3.48E-03	3.13E-04	6.90E-04	2.56E-03	2.25E-04	7.82E-05	4.48E-04	5.34E-05	7.11E-05	2.34E-04	1.62E-05
7480	470322.42	3819533.01	0.00085779	3.60E-03	3.24E-04	7.14E-04	2.65E-03	2.33E-04	8.10E-05	4.64E-04	5.53E-05	7.36E-05	2.43E-04	1.67E-05
7481	470313.51	3819536.58	0.00088762	3.73E-03	3.36E-04	7.39E-04	2.74E-03	2.41E-04	8.38E-05	4.80E-04	5.73E-05	7.62E-05	2.51E-04	1.73E-05
7482	470304.6	3819540.14	0.00091754	3.85E-03	3.47E-04	7.64E-04	2.83E-03	2.49E-04	8.66E-05	4.96E-04	5.92E-05	7.88E-05	2.60E-04	1.79E-05
7483	470379.25	3819451.69	0.00094066	3.95E-03	3.56E-04	7.84E-04	2.90E-03	2.55E-04	8.88E-05	5.09E-04	6.07E-05	8.08E-05	2.66E-04	1.84E-05
7484	470379.33	3819442.04	0.00098206	4.12E-03	3.71E-04	8.18E-04	3.03E-03	2.67E-04	9.27E-05	5.31E-04	6.33E-05	8.43E-05	2.78E-04	1.92E-05
7485	470379.41	3819432.39	0.0010203	4.28E-03	3.86E-04	8.50E-04	3.15E-03	2.77E-04	9.63E-05	5.52E-04	6.58E-05	8.76E-05	2.89E-04	1.99E-05
7486	470379.49	3819422.74	0.0010543	4.43E-03	3.99E-04	8.78E-04	3.25E-03	2.86E-04	9.96E-05	5.70E-04	6.80E-05	9.05E-05	2.98E-04	2.06E-05
7487	470379.58	3819413.09	0.0010828	4.55E-03	4.10E-04	9.02E-04	3.34E-03	2.94E-04	1.02E-04	5.85E-04	6.98E-05	9.30E-05	3.07E-04	2.11E-05
7488	470379.66	3819403.45	0.0011053	4.64E-03	4.18E-04	9.21E-04	3.41E-03	3.00E-04	1.04E-04	5.97E-04	7.13E-05	9.49E-05	3.13E-04	2.16E-05
7489	470379.74	3819393.8	0.001121	4.71E-03	4.24E-04	9.34E-04	3.46E-03	3.04E-04	1.06E-04	6.06E-04	7.23E-05	9.62E-05	3.17E-04	2.19E-05
7490	470379.83	3819384.15	0.0011296	4.74E-03	4.27E-04	9.41E-04	3.49E-03	3.07E-04	1.07E-04	6.11E-04	7.29E-05	9.70E-05	3.20E-04	2.20E-05
7491	470379.91	3819374.5	0.0011313	4.75E-03	4.28E-04	9.42E-04	3.49E-03	3.07E-04	1.07E-04	6.12E-04	7.30E-05	9.71E-05	3.20E-04	2.21E-05
7492	470379.99	3819364.85	0.0011258	4.73E-03	4.26E-04	9.38E-04	3.47E-03	3.06E-04	1.06E-04	6.09E-04	7.26E-05	9.66E-05	3.19E-04	2.20E-05
7493	470380.07	3819355.21	0.0011134	4.68E-03	4.21E-04	9.27E-04	3.44E-03	3.02E-04	1.05E-04	6.02E-04	7.18E-05	9.56E-05	3.15E-04	2.17E-05
7494	470380.16	3819345.56	0.0010942	4.60E-03	4.14E-04	9.11E-04	3.38E-03	2.97E-04	1.03E-04	5.92E-04	7.06E-05	9.39E-05	3.10E-04	2.14E-05
7495	470380.24	3819335.91	0.0010693	4.49E-03	4.04E-04	8.91E-04	3.30E-03	2.90E-04	1.01E-04	5.78E-04	6.90E-05	9.18E-05	3.03E-04	2.09E-05
7496	470380.32	3819326.26	0.001038	4.36E-03	3.93E-04	8.65E-04	3.20E-03	2.82E-04	9.80E-05	5.61E-04	6.70E-05	8.91E-05	2.94E-04	2.03E-05
7497	470380.4	3819316.61	0.0010007	4.20E-03	3.78E-04	8.34E-04	3.09E-03	2.72E-04	9.45E-05	5.41E-04	6.45E-05	8.59E-05	2.83E-04	1.95E-05
7498	470380.49	3819306.96	0.00095764	4.02E-03	3.62E-04	7.98E-04	2.96E-03	2.60E-04	9.04E-05	5.18E-04	6.18E-05	8.22E-05	2.71E-04	1.87E-05
7499	470380.57	3819297.32	0.00090997	3.82E-03	3.44E-04	7.58E-04	2.81E-03	2.47E-04	8.59E-05	4.92E-04	5.87E-05	7.81E-05	2.58E-04	1.78E-05
7500	470380.65	3819287.67	0.00085812	3.60E-03	3.25E-04	7.15E-04	2.65E-03	2.33E-04	8.10E-05	4.64E-04	5.53E-05	7.37E-05	2.43E-04	1.67E-05
7501	470380.74	3819278.02	0.00080295	3.37E-03	3.04E-04	6.69E-04	2.48E-03	2.18E-04	7.58E-05	4.34E-04	5.18E-05	6.89E-05	2.27E-04	1.57E-05
7502	470380.82	3819268.37	0.00074567	3.13E-03	2.82E-04	6.21E-04	2.30E-03	2.02E-04	7.04E-05	4.03E-04	4.81E-05	6.40E-05	2.11E-04	1.45E-05
7503	470380.9	3819258.72	0.00068741	2.89E-03	2.60E-04	5.73E-04	2.12E-03	1.87E-04	6.49E-05	3.72E-04	4.43E-05	5.90E-05	1.95E-04	1.34E-05
7504	470380.98	3819249.08	0.00062954	2.64E-03	2.38E-04	5.24E-04	1.94E-03	1.71E-04	5.94E-05	3.40E-04	4.06E-05	5.40E-05	1.78E-04	1.23E-05
7505	470395.64	3819460.34	0.00078483	3.30E-03	2.97E-04	6.54E-04	2.42E-03	2.13E-04	7.41E-05	4.24E-04	5.06E-05	6.74E-05	2.22E-04	1.53E-05
7506	470392.03	3819468.81	0.00077677	3.26E-03	2.94E-04	6.47E-04	2.40E-03	2.11E-04	7.34E-05	4.20E-04	5.01E-05	6.67E-05	2.20E-04	1.52E-05
7507	470388.41	3819477.29	0.00076582	3.22E-03	2.90E-04	6.38E-04	2.36E-03	2.08E-04	7.23E-05	4.14E-04	4.94E-05	6.57E-05	2.17E-04	1.49E-05
7508	470384.8	3819485.77	0.00075231	3.16E-03	2.85E-04	6.27E-04	2.32E-03	2.04E-04	7.10E-05	4.07E-04	4.85E-05	6.46E-05	2.13E-04	1.47E-05
7509	470381.19	3819494.25	0.00073677	3.09E-03	2.79E-04	6.14E-04	2.27E-03	2.00E-04	6.96E-05	3.98E-04	4.75E-05	6.32E-05	2.09E-04	1.44E-05
7510	470377.58	3819502.72	0.00071917	3.02E-03	2.72E-04	5.99E-04	2.22E-03	1.95E-04	6.79E-05	3.89E-04	4.64E-05	6.17E-05	2.04E-04	1.40E-05
7511	470373.97	3819511.2	0.00070026	2.94E-03	2.65E-04	5.83E-04	2.16E-03	1.90E-04	6.61E-05	3.79E-04	4.52E-05	6.01E-05	1.98E-04	1.37E-05
7512	470370.36	3819519.68	0.00068074	2.86E-03	2.57E-04	5.67E-04	2.10E-03	1.85E-04	6.43E-05	3.68E-04	4.39E-05	5.84E-05	1.93E-04	1.33E-05
7513	470366.75	3819528.15	0.00066122	2.78E-03	2.50E-04	5.51E-04	2.04E-03	1.79E-04	6.24E-05	3.57E-04	4.26E-05	5.68E-05	1.87E-04	1.29E-05
7514	470354.59	3819540.05	0.0006625	2.78E-03	2.51E-04	5.52E-04	2.04E-03	1.80E-04	6.26E-05	3.58E-04	4.27E-05	5.69E-05	1.88E-04	1.29E-05
7515	470346.03	3819543.47	0.00068348	2.87E-03	2.58E-04	5.69E-04	2.11E-03	1.86E-04	6.45E-05	3.69E-04	4.41E-05	5.87E-05	1.93E-04	1.33E-05

7516	470337.47	3819546.89	0.00070489	2.96E-03	2.67E-04	5.87E-04	2.18E-03	1.91E-04	6.66E-05	3.81E-04	4.55E-05	6.05E-05	2.00E-04	1.38E-05
7517	470328.92	3819550.31	0.00072666	3.05E-03	2.75E-04	6.05E-04	2.24E-03	1.97E-04	6.86E-05	3.93E-04	4.69E-05	6.24E-05	2.06E-04	1.42E-05
7518	470320.36	3819553.73	0.0007488	3.14E-03	2.83E-04	6.24E-04	2.31E-03	2.03E-04	7.07E-05	4.05E-04	4.83E-05	6.43E-05	2.12E-04	1.46E-05
7519	470311.8	3819557.14	0.00077112	3.24E-03	2.92E-04	6.42E-04	2.38E-03	2.09E-04	7.28E-05	4.17E-04	4.97E-05	6.62E-05	2.18E-04	1.50E-05
7520	470303.25	3819560.56	0.00079321	3.33E-03	3.00E-04	6.61E-04	2.45E-03	2.15E-04	7.49E-05	4.29E-04	5.12E-05	6.81E-05	2.25E-04	1.55E-05
7521	470399.25	3819451.86	0.00078969	3.32E-03	2.99E-04	6.58E-04	2.44E-03	2.14E-04	7.46E-05	4.27E-04	5.09E-05	6.78E-05	2.24E-04	1.54E-05
7522	470399.33	3819442.21	0.00081882	3.44E-03	3.10E-04	6.82E-04	2.53E-03	2.22E-04	7.73E-05	4.43E-04	5.28E-05	7.03E-05	2.32E-04	1.60E-05
7523	470399.41	3819432.56	0.00084539	3.55E-03	3.20E-04	7.04E-04	2.61E-03	2.29E-04	7.98E-05	4.57E-04	5.45E-05	7.26E-05	2.39E-04	1.65E-05
7524	470399.49	3819422.91	0.00086867	3.65E-03	3.29E-04	7.24E-04	2.68E-03	2.36E-04	8.20E-05	4.70E-04	5.60E-05	7.46E-05	2.46E-04	1.70E-05
7525	470399.58	3819413.27	0.0008879	3.73E-03	3.36E-04	7.40E-04	2.74E-03	2.41E-04	8.38E-05	4.80E-04	5.73E-05	7.62E-05	2.51E-04	1.73E-05
7526	470399.66	3819403.62	0.00090276	3.79E-03	3.41E-04	7.52E-04	2.79E-03	2.45E-04	8.52E-05	4.88E-04	5.82E-05	7.75E-05	2.56E-04	1.76E-05
7527	470399.74	3819393.97	0.00091274	3.83E-03	3.45E-04	7.60E-04	2.82E-03	2.48E-04	8.62E-05	4.93E-04	5.89E-05	7.84E-05	2.58E-04	1.78E-05
7528	470399.82	3819384.32	0.00091758	3.85E-03	3.47E-04	7.64E-04	2.83E-03	2.49E-04	8.66E-05	4.96E-04	5.92E-05	7.88E-05	2.60E-04	1.79E-05
7529	470399.91	3819374.67	0.00091707	3.85E-03	3.47E-04	7.64E-04	2.83E-03	2.49E-04	8.66E-05	4.96E-04	5.92E-05	7.87E-05	2.60E-04	1.79E-05
7530	470399.99	3819365.03	0.00091137	3.83E-03	3.45E-04	7.59E-04	2.81E-03	2.47E-04	8.61E-05	4.93E-04	5.88E-05	7.82E-05	2.58E-04	1.78E-05
7531	470400.07	3819355.38	0.00090045	3.78E-03	3.41E-04	7.50E-04	2.78E-03	2.44E-04	8.50E-05	4.87E-04	5.81E-05	7.73E-05	2.55E-04	1.76E-05
7532	470400.16	3819345.73	0.00088438	3.71E-03	3.34E-04	7.37E-04	2.73E-03	2.40E-04	8.35E-05	4.78E-04	5.70E-05	7.59E-05	2.50E-04	1.73E-05
7533	470400.24	3819336.08	0.00086365	3.63E-03	3.27E-04	7.19E-04	2.67E-03	2.34E-04	8.16E-05	4.67E-04	5.57E-05	7.41E-05	2.44E-04	1.69E-05
7534	470400.32	3819326.43	0.00083829	3.52E-03	3.17E-04	6.98E-04	2.59E-03	2.28E-04	7.92E-05	4.53E-04	5.41E-05	7.20E-05	2.37E-04	1.64E-05
7535	470400.4	3819316.78	0.00080863	3.40E-03	3.06E-04	6.74E-04	2.50E-03	2.20E-04	7.64E-05	4.37E-04	5.22E-05	6.94E-05	2.29E-04	1.58E-05
7536	470400.49	3819307.14	0.00077497	3.25E-03	2.93E-04	6.46E-04	2.39E-03	2.10E-04	7.32E-05	4.19E-04	5.00E-05	6.65E-05	2.19E-04	1.51E-05
7537	470400.57	3819297.49	0.00073796	3.10E-03	2.79E-04	6.15E-04	2.28E-03	2.00E-04	6.97E-05	3.99E-04	4.76E-05	6.34E-05	2.09E-04	1.44E-05
7538	470400.65	3819287.84	0.00069811	2.93E-03	2.64E-04	5.81E-04	2.15E-03	1.90E-04	6.59E-05	3.77E-04	4.50E-05	5.99E-05	1.98E-04	1.36E-05
7539	470400.73	3819278.19	0.00065608	2.76E-03	2.48E-04	5.46E-04	2.02E-03	1.78E-04	6.20E-05	3.55E-04	4.23E-05	5.63E-05	1.86E-04	1.28E-05
7540	470400.82	3819268.54	0.00061256	2.57E-03	2.32E-04	5.10E-04	1.89E-03	1.66E-04	5.78E-05	3.31E-04	3.95E-05	5.26E-05	1.73E-04	1.20E-05
7541	470400.9	3819258.9	0.00056855	2.39E-03	2.15E-04	4.74E-04	1.75E-03	1.54E-04	5.37E-05	3.07E-04	3.67E-05	4.88E-05	1.61E-04	1.11E-05
7542	470400.98	3819249.25	0.00052471	2.20E-03	1.98E-04	4.37E-04	1.62E-03	1.42E-04	4.95E-05	2.84E-04	3.38E-05	4.50E-05	1.49E-04	1.02E-05
7543	470415.73	3819460.27	0.00067	2.81E-03	2.53E-04	5.58E-04	2.07E-03	1.82E-04	6.33E-05	3.62E-04	4.32E-05	5.75E-05	1.90E-04	1.31E-05
7544	470408.71	3819476.76	0.00065919	2.77E-03	2.49E-04	5.49E-04	2.03E-03	1.79E-04	6.22E-05	3.56E-04	4.25E-05	5.66E-05	1.87E-04	1.29E-05
7545	470401.7	3819493.24	0.00064058	2.69E-03	2.42E-04	5.34E-04	1.98E-03	1.74E-04	6.05E-05	3.46E-04	4.13E-05	5.50E-05	1.81E-04	1.25E-05
7546	470394.68	3819509.72	0.00061576	2.59E-03	2.33E-04	5.13E-04	1.90E-03	1.67E-04	5.81E-05	3.33E-04	3.97E-05	5.29E-05	1.74E-04	1.20E-05
7547	470387.66	3819526.21	0.00058722	2.47E-03	2.22E-04	4.89E-04	1.81E-03	1.59E-04	5.55E-05	3.17E-04	3.79E-05	5.04E-05	1.66E-04	1.15E-05
7548	470380.64	3819542.69	0.00055826	2.34E-03	2.11E-04	4.65E-04	1.72E-03	1.52E-04	5.27E-05	3.02E-04	3.60E-05	4.79E-05	1.58E-04	1.09E-05
7549	470368.81	3819554.26	0.00055915	2.35E-03	2.11E-04	4.66E-04	1.73E-03	1.52E-04	5.28E-05	3.02E-04	3.61E-05	4.80E-05	1.58E-04	1.09E-05
7550	470352.17	3819560.9	0.00059097	2.48E-03	2.24E-04	4.92E-04	1.82E-03	1.60E-04	5.58E-05	3.19E-04	3.81E-05	5.07E-05	1.67E-04	1.15E-05
7551	470335.53	3819567.55	0.00062417	2.62E-03	2.36E-04	5.20E-04	1.93E-03	1.69E-04	5.89E-05	3.37E-04	4.03E-05	5.36E-05	1.77E-04	1.22E-05
7552	470318.89	3819574.2	0.00065845	2.77E-03	2.49E-04	5.48E-04	2.03E-03	1.79E-04	6.22E-05	3.56E-04	4.25E-05	5.65E-05	1.86E-04	1.28E-05
7553	470302.26	3819580.85	0.00069264	2.91E-03	2.62E-04	5.77E-04	2.14E-03	1.88E-04	6.54E-05	3.74E-04	4.47E-05	5.95E-05	1.96E-04	1.35E-05
7554	470419.33	3819442.38	0.00069283	2.91E-03	2.62E-04	5.77E-04	2.14E-03	1.88E-04	6.54E-05	3.75E-04	4.47E-05	5.95E-05	1.96E-04	1.35E-05
7555	470419.41	3819432.73	0.00071168	2.99E-03	2.69E-04	5.93E-04	2.20E-03	1.93E-04	6.72E-05	3.85E-04	4.59E-05	6.11E-05	2.01E-04	1.39E-05
7556	470419.49	3819423.09	0.00072794	3.06E-03	2.75E-04	6.06E-04	2.25E-03	1.98E-04	6.87E-05	3.94E-04	4.70E-05	6.25E-05	2.06E-04	1.42E-05
7557	470419.58	3819413.44	0.00074116	3.11E-03	2.80E-04	6.17E-04	2.29E-03	2.01E-04	7.00E-05	4.01E-04	4.78E-05	6.36E-05	2.10E-04	1.45E-05
7558	470419.66	3819403.79	0.00075105	3.15E-03	2.84E-04	6.26E-04	2.32E-03	2.04E-04	7.09E-05	4.06E-04	4.84E-05	6.45E-05	2.13E-04	1.47E-05
7559	470419.74	3819394.14	0.00075729	3.18E-03	2.86E-04	6.31E-04	2.34E-03	2.06E-04	7.15E-05	4.09E-04	4.88E-05	6.50E-05	2.14E-04	1.48E-05
7560	470419.82	3819384.49	0.00075968	3.19E-03	2.87E-04	6.33E-04	2.34E-03	2.06E-04	7.17E-05	4.11E-04	4.90E-05	6.52E-05	2.15E-04	1.48E-05
7561	470419.91	3819374.84	0.00075803	3.18E-03	2.87E-04	6.31E-04	2.34E-03	2.06E-04	7.16E-05	4.10E-04	4.89E-05	6.51E-05	2.15E-04	1.48E-05
7562	470419.99	3819365.2	0.00075247	3.16E-03	2.85E-04	6.27E-04	2.32E-03	2.04E-04	7.11E-05	4.07E-04	4.85E-05	6.46E-05	2.13E-04	1.47E-05
7563	470420.07	3819355.55	0.00074293	3.12E-03	2.81E-04	6.19E-04	2.29E-03	2.02E-04	7.02E-05	4.02E-04	4.79E-05	6.38E-05	2.10E-04	1.45E-05
7564	470420.15	3819345.9	0.00072954	3.06E-03	2.76E-04	6.08E-04	2.25E-03	1.98E-04	6.89E-05	3.94E-04	4.71E-05	6.26E-05	2.07E-04	1.42E-05
7565	470420.24	3819336.25	0.00071238	2.99E-03	2.69E-04	5.93E-04	2.20E-03	1.93E-04	6.73E-05	3.85E-04	4.59E-05	6.12E-05	2.02E-04	1.39E-05
7566	470420.32	3819326.6	0.0006918	2.91E-03	2.62E-04	5.76E-04	2.13E-03	1.88E-04	6.53E-05	3.74E-04	4.46E-05	5.94E-05	1.96E-04	1.35E-05
7567	470420.4	3819316.96	0.00066803	2.81E-03	2.53E-04	5.56E-04	2.06E-03	1.81E-04	6.31E-05	3.61E-04	4.31E-05	5.73E-05	1.89E-04	1.30E-05
7568	470420.49	3819307.31	0.00064129	2.69E-03	2.43E-04	5.34E-04	1.98E-03	1.74E-04	6.06E-05	3.47E-04	4.14E-05	5.51E-05	1.82E-04	1.25E-05
7569	470420.57	3819297.66	0.00061211	2.57E-03	2.31E-04	5.10E-04	1.89E-03	1.66E-04	5.78E-05	3.31E-04	3.95E-05	5.25E-05	1.73E-04	1.19E-05
7570	470420.65	3819288.01	0.00058086	2.44E-03	2.20E-04	4.84E-04	1.79E-03	1.58E-04	5.49E-05	3.14E-04	3.75E-05	4.99E-05	1.64E-04	1.13E-05
7571	470420.73	3819278.36	0.00054806	2.30E-03	2.07E-04	4.57E-04	1.69E-03	1.49E-04	5.18E-05	2.96E-04	3.54E-05	4.70E-05	1.55E-04	1.07E-05
7572	470420.82	3819268.71	0.00051419	2.16E-03	1.94E-04	4.28E-04	1.59E-03	1.40E-04	4.86E-05	2.78E-04	3.32E-05	4.41E-05	1.46E-04	1.00E-05
7573	470420.9	3819259.07	0.00047996	2.02E-03	1.82E-04	4.00E-04	1.48E-03	1.30E-04	4.53E-05	2.59E-04	3.10E-05	4.12E-05	1.36E-04	9.37E-06
7574	470420.98	3819249.42	0.00044581	1.87E-03	1.69E-04	3.71E-04	1.38E-03	1.21E-04	4.21E-05	2.41E-04	2.88E-05	3.83E-05	1.26E-04	8.70E-06
7575	470435.54	3819460.9	0.00057774	2.43E-03	2.19E-04	4.81E-04	1.78E-03	1.57E-04	5.46E-05	3.12E-04	3.73E-05	4.96E-05	1.64E-04	1.13E-05
7576	470431.84	3819469.59	0.00057539	2.42E-03	2.18E-04	4.79E-04	1.78E-03	1.56E-04	5.43E-05	3.11E-04	3.71E-05	4.94E-05	1.63E-04	1.12E-05
7577	470428.14	3819478.29	0.0005711	2.40E-03	2.16E-04	4.76E-04	1.76E-03	1.55E-04	5.39E-05	3.09E-04	3.68E-05	4.90E-05	1.62E-04	1.11E-05
7578	470424.43	3819486.98	0.00056513	2.37E-03	2.14E-04	4.71E-04	1.74E-03	1.53E-04	5.34E-05	3.06E-04	3.65E-05	4.85E-05	1.60E-04	1.10E-05
7579	470420.73	3819495.68	0.00055754	2.34E-03	2.11E-04	4.64E-04	1.72E-03	1.51E-04	5.26E-05	3.01E-04	3.60E-05	4.79E-05	1.58E-04	1.09E-05
7580	470417.03	3819504.37	0.00054841	2.30E-03	2.07E-04	4.57E-04	1.69E-03	1.49E-04	5.18E-05	2.96E-04	3.54E-05	4.71E-05	1.55E-04	1.07E-05
7581	470413.32	3819513.06	0.00053817	2.26E-03	2.04E-04	4.48E-04	1.66E-03	1.46E-04	5.08E-05	2.91E-04	3.47E-05	4.62E-05	1.52E-04	1.05E-05
7582	470409.62	3819521.76	0.00052695	2.21E-03	1.99E-04	4.39E-04	1.63E-03	1.43E-04	4.98E-05	2.85E-04	3.40E-05	4.52E-05	1.49E-04	1.03E-05
7583	470405.92	3819530.45	0.0005153	2.16E-03	1.95E-04	4.29E-04	1.59E-03	1.40E-04	4.87E-05	2.79E-04	3.32E-05	4.42E-05	1.46E-04	1.01E-05
7584	470402.22	3819539.15	0.00050339	2.11E-03	1.90E-04	4.19E-04	1.55E-03	1.37E-04	4.75E-05	2.72E-04	3.25E-05	4.32E-05	1.42E-04	9.82E-06
7585	470398.51	3819547.84	0.0004913	2.06E-03	1.86E-04	4.09E-04	1.52E-03	1.33E-04	4.64E-05	2.66E-04	3.17E-05	4.22E-05	1.39E-04	9.59E-06
7586	470394.81	3819556.54	0.00047907	2.01E-03	1.81E-04	3.99E-04	1.48E-03	1.30E-04	4.52E-05	2.59E-04	3.09E-05	4.11E-05	1.36E-04	9.35E-06
7587	470382.33	3819568.74	0.00047976	2.01E-03	1.81E-04	4.00E-04	1.48E-03	1.30E-04	4.53E-05	2.59E-04	3.09E-05	4.12E-05	1.36E-04	9.36E-06
7588	470373.56	3819572.25	0.00049285	2.07E-03	1.86E-04	4.11E-04	1.52E-03	1.34E-04	4.65E-05	2.66E-04	3.18E-05	4.23E-05	1.40E-04	9.62E-06

7589	470364.78	3819575.75	0.00050631	2.13E-03	1.91E-04	4.22E-04	1.56E-03	1.37E-04	4.78E-05	2.74E-04	3.27E-05	4.35E-05	1.43E-04	9.88E-06
7590	470356	3819579.26	0.00052009	2.18E-03	1.97E-04	4.33E-04	1.60E-03	1.41E-04	4.91E-05	2.81E-04	3.35E-05	4.46E-05	1.47E-04	1.01E-05
7591	470347.23	3819582.76	0.00053421	2.24E-03	2.02E-04	4.45E-04	1.65E-03	1.45E-04	5.04E-05	2.89E-04	3.45E-05	4.59E-05	1.51E-04	1.04E-05
7592	470338.45	3819586.27	0.00054865	2.30E-03	2.08E-04	4.57E-04	1.69E-03	1.49E-04	5.18E-05	2.97E-04	3.54E-05	4.71E-05	1.55E-04	1.07E-05
7593	470329.68	3819589.78	0.00056332	2.37E-03	2.13E-04	4.69E-04	1.74E-03	1.53E-04	5.32E-05	3.05E-04	3.63E-05	4.84E-05	1.59E-04	1.10E-05
7594	470320.9	3819593.28	0.00057818	2.43E-03	2.19E-04	4.82E-04	1.78E-03	1.57E-04	5.46E-05	3.13E-04	3.73E-05	4.96E-05	1.64E-04	1.13E-05
7595	470312.13	3819596.79	0.00059296	2.49E-03	2.24E-04	4.94E-04	1.83E-03	1.61E-04	5.60E-05	3.21E-04	3.82E-05	5.09E-05	1.68E-04	1.16E-05
7596	470303.35	3819600.3	0.00060754	2.55E-03	2.30E-04	5.06E-04	1.87E-03	1.65E-04	5.74E-05	3.28E-04	3.92E-05	5.22E-05	1.72E-04	1.19E-05
7597	470439.24	3819452.2	0.00057807	2.43E-03	2.19E-04	4.82E-04	1.78E-03	1.57E-04	5.46E-05	3.13E-04	3.73E-05	4.96E-05	1.64E-04	1.13E-05
7598	470439.33	3819442.55	0.00059334	2.49E-03	2.24E-04	4.94E-04	1.83E-03	1.61E-04	5.60E-05	3.21E-04	3.83E-05	5.09E-05	1.68E-04	1.16E-05
7599	470439.41	3819432.91	0.00060692	2.55E-03	2.30E-04	5.06E-04	1.87E-03	1.65E-04	5.73E-05	3.28E-04	3.91E-05	5.21E-05	1.72E-04	1.18E-05
7600	470439.49	3819423.26	0.00061847	2.60E-03	2.34E-04	5.15E-04	1.91E-03	1.68E-04	5.84E-05	3.34E-04	3.99E-05	5.31E-05	1.75E-04	1.21E-05
7601	470439.58	3819413.61	0.00062763	2.64E-03	2.37E-04	5.23E-04	1.94E-03	1.70E-04	5.93E-05	3.39E-04	4.05E-05	5.39E-05	1.78E-04	1.22E-05
7602	470439.66	3819403.96	0.00063423	2.66E-03	2.40E-04	5.28E-04	1.96E-03	1.72E-04	5.99E-05	3.43E-04	4.09E-05	5.44E-05	1.80E-04	1.24E-05
7603	470439.74	3819394.31	0.00063803	2.68E-03	2.41E-04	5.31E-04	1.97E-03	1.73E-04	6.03E-05	3.45E-04	4.12E-05	5.48E-05	1.81E-04	1.24E-05
7604	470439.82	3819384.66	0.00063888	2.68E-03	2.42E-04	5.32E-04	1.97E-03	1.73E-04	6.03E-05	3.45E-04	4.12E-05	5.48E-05	1.81E-04	1.25E-05
7605	470439.91	3819375.02	0.00063664	2.67E-03	2.41E-04	5.30E-04	1.96E-03	1.73E-04	6.01E-05	3.44E-04	4.11E-05	5.47E-05	1.80E-04	1.24E-05
7606	470439.99	3819365.37	0.00063139	2.65E-03	2.39E-04	5.26E-04	1.95E-03	1.71E-04	5.96E-05	3.41E-04	4.07E-05	5.42E-05	1.79E-04	1.23E-05
7607	470440.07	3819355.72	0.00062309	2.62E-03	2.36E-04	5.19E-04	1.92E-03	1.69E-04	5.88E-05	3.37E-04	4.02E-05	5.35E-05	1.76E-04	1.22E-05
7608	470440.15	3819346.07	0.00061182	2.57E-03	2.31E-04	5.10E-04	1.89E-03	1.66E-04	5.78E-05	3.31E-04	3.95E-05	5.25E-05	1.73E-04	1.19E-05
7609	470440.24	3819336.42	0.00059765	2.51E-03	2.26E-04	4.98E-04	1.84E-03	1.62E-04	5.64E-05	3.23E-04	3.85E-05	5.13E-05	1.69E-04	1.17E-05
7610	470440.32	3819326.78	0.00058088	2.44E-03	2.20E-04	4.84E-04	1.79E-03	1.58E-04	5.49E-05	3.14E-04	3.75E-05	4.99E-05	1.64E-04	1.13E-05
7611	470440.4	3819317.13	0.00056163	2.36E-03	2.12E-04	4.68E-04	1.73E-03	1.52E-04	5.30E-05	3.04E-04	3.62E-05	4.82E-05	1.59E-04	1.10E-05
7612	470440.49	3819307.48	0.00054013	2.27E-03	2.04E-04	4.50E-04	1.67E-03	1.47E-04	5.10E-05	2.92E-04	3.48E-05	4.64E-05	1.53E-04	1.05E-05
7613	470440.57	3819297.83	0.00051678	2.17E-03	1.95E-04	4.30E-04	1.59E-03	1.40E-04	4.88E-05	2.79E-04	3.33E-05	4.44E-05	1.46E-04	1.01E-05
7614	470440.65	3819288.18	0.00049188	2.07E-03	1.86E-04	4.10E-04	1.52E-03	1.34E-04	4.64E-05	2.66E-04	3.17E-05	4.22E-05	1.39E-04	9.60E-06
7615	470440.73	3819278.53	0.0004658	1.96E-03	1.76E-04	3.88E-04	1.44E-03	1.26E-04	4.40E-05	2.52E-04	3.00E-05	4.00E-05	1.32E-04	9.09E-06
7616	470440.82	3819268.89	0.00043894	1.84E-03	1.66E-04	3.66E-04	1.35E-03	1.19E-04	4.14E-05	2.37E-04	2.83E-05	3.77E-05	1.24E-04	8.56E-06
7617	470440.9	3819259.24	0.00041172	1.73E-03	1.56E-04	3.43E-04	1.27E-03	1.12E-04	3.89E-05	2.23E-04	2.66E-05	3.53E-05	1.17E-04	8.03E-06
7618	470440.98	3819249.59	0.00038453	1.61E-03	1.45E-04	3.20E-04	1.19E-03	1.04E-04	3.63E-05	2.08E-04	2.48E-05	3.30E-05	1.09E-04	7.50E-06
7619	470455.63	3819460.85	0.00050286	2.11E-03	1.90E-04	4.19E-04	1.55E-03	1.37E-04	4.75E-05	2.72E-04	3.24E-05	4.32E-05	1.42E-04	9.81E-06
7620	470452.02	3819469.33	0.00050213	2.11E-03	1.90E-04	4.18E-04	1.55E-03	1.36E-04	4.74E-05	2.71E-04	3.24E-05	4.31E-05	1.42E-04	9.80E-06
7621	470448.41	3819477.81	0.00049994	2.10E-03	1.89E-04	4.16E-04	1.54E-03	1.36E-04	4.72E-05	2.70E-04	3.22E-05	4.29E-05	1.42E-04	9.76E-06
7622	470444.8	3819486.28	0.00049641	2.08E-03	1.88E-04	4.13E-04	1.53E-03	1.35E-04	4.69E-05	2.68E-04	3.20E-05	4.26E-05	1.41E-04	9.69E-06
7623	470441.19	3819494.76	0.0004916	2.06E-03	1.86E-04	4.09E-04	1.52E-03	1.33E-04	4.64E-05	2.66E-04	3.17E-05	4.22E-05	1.39E-04	9.59E-06
7624	470437.58	3819503.24	0.00048553	2.04E-03	1.84E-04	4.04E-04	1.50E-03	1.32E-04	4.58E-05	2.62E-04	3.13E-05	4.17E-05	1.37E-04	9.47E-06
7625	470433.97	3819511.71	0.00047846	2.01E-03	1.81E-04	3.99E-04	1.48E-03	1.30E-04	4.52E-05	2.59E-04	3.09E-05	4.11E-05	1.35E-04	9.34E-06
7626	470430.36	3819520.19	0.0004705	1.98E-03	1.78E-04	3.92E-04	1.45E-03	1.28E-04	4.44E-05	2.54E-04	3.03E-05	4.04E-05	1.33E-04	9.18E-06
7627	470426.75	3819528.67	0.00046195	1.94E-03	1.75E-04	3.85E-04	1.43E-03	1.25E-04	4.36E-05	2.50E-04	2.98E-05	3.97E-05	1.31E-04	9.01E-06
7628	470423.14	3819537.15	0.00045308	1.90E-03	1.71E-04	3.77E-04	1.40E-03	1.23E-04	4.28E-05	2.45E-04	2.92E-05	3.89E-05	1.28E-04	8.84E-06
7629	470419.53	3819545.62	0.00044386	1.86E-03	1.68E-04	3.70E-04	1.37E-03	1.20E-04	4.19E-05	2.40E-04	2.86E-05	3.81E-05	1.26E-04	8.66E-06
7630	470415.92	3819554.1	0.00043438	1.82E-03	1.64E-04	3.62E-04	1.34E-03	1.18E-04	4.10E-05	2.35E-04	2.80E-05	3.73E-05	1.23E-04	8.48E-06
7631	470412.31	3819562.58	0.00042478	1.78E-03	1.61E-04	3.54E-04	1.31E-03	1.15E-04	4.01E-05	2.30E-04	2.74E-05	3.65E-05	1.20E-04	8.29E-06
7632	470408.7	3819571.06	0.00041516	1.74E-03	1.57E-04	3.46E-04	1.28E-03	1.13E-04	3.92E-05	2.24E-04	2.68E-05	3.56E-05	1.18E-04	8.10E-06
7633	470396.53	3819582.95	0.00041567	1.75E-03	1.57E-04	3.46E-04	1.28E-03	1.13E-04	3.93E-05	2.25E-04	2.68E-05	3.57E-05	1.18E-04	8.11E-06
7634	470387.98	3819586.37	0.00042592	1.79E-03	1.61E-04	3.55E-04	1.31E-03	1.16E-04	4.02E-05	2.30E-04	2.75E-05	3.66E-05	1.21E-04	8.31E-06
7635	470379.42	3819589.79	0.00043643	1.83E-03	1.65E-04	3.64E-04	1.35E-03	1.18E-04	4.12E-05	2.36E-04	2.81E-05	3.75E-05	1.24E-04	8.52E-06
7636	470370.86	3819593.21	0.00044722	1.88E-03	1.69E-04	3.73E-04	1.38E-03	1.21E-04	4.22E-05	2.42E-04	2.88E-05	3.84E-05	1.27E-04	8.73E-06
7637	470362.31	3819596.63	0.00045827	1.92E-03	1.73E-04	3.82E-04	1.41E-03	1.24E-04	4.33E-05	2.48E-04	2.96E-05	3.93E-05	1.30E-04	8.94E-06
7638	470353.75	3819600.04	0.00046966	1.97E-03	1.78E-04	3.91E-04	1.45E-03	1.27E-04	4.44E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.16E-06
7639	470345.2	3819603.46	0.00048127	2.02E-03	1.82E-04	4.01E-04	1.49E-03	1.31E-04	4.54E-05	2.60E-04	3.10E-05	4.13E-05	1.36E-04	9.39E-06
7640	470336.64	3819606.88	0.00049313	2.07E-03	1.87E-04	4.11E-04	1.52E-03	1.34E-04	4.66E-05	2.67E-04	3.18E-05	4.23E-05	1.40E-04	9.62E-06
7641	470328.08	3819610.3	0.00050512	2.12E-03	1.91E-04	4.21E-04	1.56E-03	1.37E-04	4.77E-05	2.73E-04	3.26E-05	4.34E-05	1.43E-04	9.86E-06
7642	470319.53	3819613.72	0.00051712	2.17E-03	1.96E-04	4.31E-04	1.60E-03	1.40E-04	4.88E-05	2.80E-04	3.34E-05	4.44E-05	1.46E-04	1.01E-05
7643	470310.97	3819617.14	0.00052907	2.22E-03	2.00E-04	4.41E-04	1.63E-03	1.44E-04	5.00E-05	2.86E-04	3.41E-05	4.54E-05	1.50E-04	1.03E-05
7644	470302.41	3819620.56	0.00054089	2.27E-03	2.05E-04	4.51E-04	1.67E-03	1.47E-04	5.11E-05	2.92E-04	3.49E-05	4.64E-05	1.53E-04	1.06E-05
7645	470459.24	3819452.37	0.00050205	2.11E-03	1.90E-04	4.18E-04	1.55E-03	1.36E-04	4.74E-05	2.71E-04	3.24E-05	4.31E-05	1.42E-04	9.80E-06
7646	470459.33	3819442.73	0.00051334	2.16E-03	1.94E-04	4.28E-04	1.58E-03	1.39E-04	4.85E-05	2.78E-04	3.31E-05	4.41E-05	1.45E-04	1.00E-05
7647	470459.41	3819433.08	0.00052327	2.20E-03	1.98E-04	4.36E-04	1.61E-03	1.42E-04	4.94E-05	2.83E-04	3.38E-05	4.49E-05	1.48E-04	1.02E-05
7648	470459.49	3819423.43	0.00053154	2.23E-03	2.01E-04	4.43E-04	1.64E-03	1.44E-04	5.02E-05	2.87E-04	3.43E-05	4.56E-05	1.50E-04	1.04E-05
7649	470459.57	3819413.78	0.00053796	2.26E-03	2.03E-04	4.48E-04	1.66E-03	1.46E-04	5.08E-05	2.91E-04	3.47E-05	4.62E-05	1.52E-04	1.05E-05
7650	470459.66	3819404.13	0.00054229	2.28E-03	2.05E-04	4.52E-04	1.67E-03	1.47E-04	5.12E-05	2.93E-04	3.50E-05	4.66E-05	1.54E-04	1.06E-05
7651	470459.74	3819394.48	0.00054447	2.29E-03	2.06E-04	4.54E-04	1.68E-03	1.48E-04	5.14E-05	2.94E-04	3.51E-05	4.67E-05	1.54E-04	1.06E-05
7652	470459.82	3819384.84	0.00054437	2.29E-03	2.06E-04	4.53E-04	1.68E-03	1.48E-04	5.14E-05	2.94E-04	3.51E-05	4.67E-05	1.54E-04	1.06E-05
7653	470459.91	3819375.19	0.00054186	2.28E-03	2.05E-04	4.51E-04	1.67E-03	1.47E-04	5.12E-05	2.93E-04	3.50E-05	4.65E-05	1.53E-04	1.06E-05
7654	470459.99	3819365.54	0.00053701	2.26E-03	2.03E-04	4.47E-04	1.66E-03	1.46E-04	5.07E-05	2.90E-04	3.46E-05	4.61E-05	1.52E-04	1.05E-05
7655	470460.07	3819355.89	0.00052979	2.22E-03	2.00E-04	4.41E-04	1.63E-03	1.44E-04	5.00E-05	2.86E-04	3.42E-05	4.55E-05	1.50E-04	1.03E-05
7656	470460.15	3819346.24	0.00052026	2.18E-03	1.97E-04	4.33E-04	1.61E-03	1.41E-04	4.91E-05	2.81E-04	3.36E-05	4.47E-05	1.47E-04	1.02E-05
7657	470460.24	3819336.6	0.00050849	2.14E-03	1.92E-04	4.24E-04	1.57E-03	1.38E-04	4.80E-05	2.75E-04	3.28E-05	4.37E-05	1.44E-04	9.92E-06
7658	470460.32	3819326.95	0.00049466	2.08E-03	1.87E-04	4.12E-04	1.53E-03	1.34E-04	4.67E-05	2.67E-04	3.19E-05	4.25E-05	1.40E-04	9.65E-06
7659	470460.4	3819317.3	0.00047892	2.01E-03	1.81E-04	3.99E-04	1.48E-03	1.30E-04	4.52E-05	2.59E-04	3.09E-05	4.11E-05	1.36E-04	9.34E-06
7660	470460.48	3819307.65	0.00046148	1.94E-03	1.75E-04	3.84E-04	1.42E-03	1.25E-04	4.36E-05	2.49E-04	2.98E-05	3.96E-05	1.31E-04	9.00E-06
7661	470460.57	3819298	0.00044253	1.86E-03	1.67E-04	3.69E-04	1.37E-03	1.20E-04	4.18E-05	2.39E-04	2.85E-05	3.80E-05	1.25E-04	8.63E-06

7662	470460.65	3819288.35	0.00042241	1.77E-03	1.60E-04	3.52E-04	1.30E-03	1.15E-04	3.99E-05	2.28E-04	2.72E-05	3.63E-05	1.20E-04	8.24E-06
7663	470460.73	3819278.71	0.00040139	1.69E-03	1.52E-04	3.34E-04	1.24E-03	1.09E-04	3.79E-05	2.17E-04	2.59E-05	3.45E-05	1.14E-04	7.83E-06
7664	470460.82	3819269.06	0.0003797	1.59E-03	1.44E-04	3.16E-04	1.17E-03	1.03E-04	3.59E-05	2.05E-04	2.45E-05	3.26E-05	1.07E-04	7.41E-06
7665	470460.9	3819259.41	0.00035771	1.50E-03	1.35E-04	2.98E-04	1.10E-03	9.71E-05	3.38E-05	1.93E-04	2.31E-05	3.07E-05	1.01E-04	6.98E-06
7666	470460.98	3819249.76	0.0003357	1.41E-03	1.27E-04	2.80E-04	1.04E-03	9.11E-05	3.17E-05	1.81E-04	2.17E-05	2.88E-05	9.50E-05	6.55E-06
7667	470475.48	3819461.38	0.00044107	1.85E-03	1.67E-04	3.67E-04	1.36E-03	1.20E-04	4.17E-05	2.38E-04	2.84E-05	3.79E-05	1.25E-04	8.61E-06
7668	470471.72	3819470.21	0.00044129	1.85E-03	1.67E-04	3.68E-04	1.36E-03	1.20E-04	4.17E-05	2.39E-04	2.85E-05	3.79E-05	1.25E-04	8.61E-06
7669	470467.96	3819479.04	0.00044022	1.85E-03	1.66E-04	3.67E-04	1.36E-03	1.20E-04	4.16E-05	2.38E-04	2.84E-05	3.78E-05	1.25E-04	8.59E-06
7670	470464.2	3819487.87	0.00043792	1.84E-03	1.66E-04	3.65E-04	1.35E-03	1.19E-04	4.14E-05	2.37E-04	2.82E-05	3.76E-05	1.24E-04	8.55E-06
7671	470460.44	3819496.7	0.00043451	1.82E-03	1.64E-04	3.62E-04	1.34E-03	1.18E-04	4.10E-05	2.35E-04	2.80E-05	3.73E-05	1.23E-04	8.48E-06
7672	470456.68	3819505.53	0.00042995	1.81E-03	1.63E-04	3.58E-04	1.33E-03	1.17E-04	4.06E-05	2.32E-04	2.77E-05	3.69E-05	1.22E-04	8.39E-06
7673	470452.92	3819514.36	0.00042447	1.78E-03	1.61E-04	3.54E-04	1.31E-03	1.15E-04	4.01E-05	2.29E-04	2.74E-05	3.64E-05	1.20E-04	8.28E-06
7674	470449.16	3819523.19	0.00041817	1.76E-03	1.58E-04	3.48E-04	1.29E-03	1.14E-04	3.95E-05	2.26E-04	2.70E-05	3.59E-05	1.18E-04	8.16E-06
7675	470445.4	3819532.02	0.00041137	1.73E-03	1.56E-04	3.43E-04	1.27E-03	1.12E-04	3.88E-05	2.22E-04	2.65E-05	3.53E-05	1.16E-04	8.03E-06
7676	470441.64	3819540.85	0.00040412	1.70E-03	1.53E-04	3.37E-04	1.25E-03	1.10E-04	3.82E-05	2.18E-04	2.61E-05	3.47E-05	1.14E-04	7.89E-06
7677	470437.88	3819549.68	0.00039647	1.67E-03	1.50E-04	3.30E-04	1.22E-03	1.08E-04	3.74E-05	2.14E-04	2.56E-05	3.40E-05	1.12E-04	7.74E-06
7678	470434.11	3819558.51	0.00038855	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.05E-04	3.67E-05	2.10E-04	2.51E-05	3.34E-05	1.10E-04	7.58E-06
7679	470430.35	3819567.34	0.00038043	1.60E-03	1.44E-04	3.17E-04	1.17E-03	1.03E-04	3.59E-05	2.06E-04	2.45E-05	3.27E-05	1.08E-04	7.42E-06
7680	470426.59	3819576.17	0.00037223	1.56E-03	1.41E-04	3.10E-04	1.15E-03	1.01E-04	3.52E-05	2.01E-04	2.40E-05	3.20E-05	1.05E-04	7.26E-06
7681	470422.83	3819585	0.00036401	1.53E-03	1.38E-04	3.03E-04	1.12E-03	9.88E-05	3.44E-05	1.97E-04	2.35E-05	3.12E-05	1.03E-04	7.10E-06
7682	470410.16	3819597.39	0.00036439	1.53E-03	1.38E-04	3.04E-04	1.12E-03	9.89E-05	3.44E-05	1.97E-04	2.35E-05	3.13E-05	1.03E-04	7.11E-06
7683	470401.25	3819600.96	0.00037311	1.57E-03	1.41E-04	3.11E-04	1.15E-03	1.01E-04	3.52E-05	2.02E-04	2.41E-05	3.20E-05	1.06E-04	7.28E-06
7684	470392.33	3819604.52	0.00038207	1.60E-03	1.45E-04	3.18E-04	1.18E-03	1.04E-04	3.61E-05	2.07E-04	2.46E-05	3.28E-05	1.08E-04	7.46E-06
7685	470383.42	3819608.08	0.00039128	1.64E-03	1.48E-04	3.26E-04	1.21E-03	1.06E-04	3.69E-05	2.12E-04	2.52E-05	3.36E-05	1.11E-04	7.64E-06
7686	470374.51	3819611.64	0.00040075	1.68E-03	1.52E-04	3.34E-04	1.24E-03	1.09E-04	3.78E-05	2.17E-04	2.58E-05	3.44E-05	1.13E-04	7.82E-06
7687	470365.59	3819615.2	0.00041052	1.72E-03	1.55E-04	3.42E-04	1.27E-03	1.11E-04	3.88E-05	2.22E-04	2.65E-05	3.52E-05	1.16E-04	8.01E-06
7688	470356.68	3819618.76	0.00042054	1.77E-03	1.59E-04	3.50E-04	1.30E-03	1.14E-04	3.97E-05	2.27E-04	2.71E-05	3.61E-05	1.19E-04	8.21E-06
7689	470347.77	3819622.32	0.0004308	1.81E-03	1.63E-04	3.59E-04	1.33E-03	1.17E-04	4.07E-05	2.33E-04	2.78E-05	3.70E-05	1.22E-04	8.41E-06
7690	470338.86	3819625.88	0.00044125	1.85E-03	1.67E-04	3.68E-04	1.36E-03	1.20E-04	4.17E-05	2.39E-04	2.85E-05	3.79E-05	1.25E-04	8.61E-06
7691	470329.94	3819629.44	0.00045182	1.90E-03	1.71E-04	3.76E-04	1.39E-03	1.23E-04	4.27E-05	2.44E-04	2.91E-05	3.88E-05	1.28E-04	8.82E-06
7692	470321.03	3819633.01	0.00046234	1.94E-03	1.75E-04	3.85E-04	1.43E-03	1.26E-04	4.37E-05	2.50E-04	2.98E-05	3.97E-05	1.31E-04	9.02E-06
7693	470312.12	3819636.57	0.00047305	1.99E-03	1.79E-04	3.94E-04	1.46E-03	1.28E-04	4.47E-05	2.56E-04	3.05E-05	4.06E-05	1.34E-04	9.23E-06
7694	470303.2	3819640.13	0.00048363	2.03E-03	1.83E-04	4.03E-04	1.49E-03	1.31E-04	4.57E-05	2.61E-04	3.12E-05	4.15E-05	1.37E-04	9.44E-06
7695	470479.24	3819452.54	0.00043954	1.85E-03	1.66E-04	3.66E-04	1.36E-03	1.19E-04	4.15E-05	2.38E-04	2.84E-05	3.77E-05	1.24E-04	8.58E-06
7696	470479.33	3819442.9	0.00044799	1.88E-03	1.69E-04	3.73E-04	1.38E-03	1.22E-04	4.23E-05	2.42E-04	2.89E-05	3.85E-05	1.27E-04	8.74E-06
7697	470479.41	3819433.25	0.0004553	1.91E-03	1.72E-04	3.79E-04	1.41E-03	1.24E-04	4.30E-05	2.46E-04	2.94E-05	3.91E-05	1.29E-04	8.88E-06
7698	470479.49	3819423.6	0.00046127	1.94E-03	1.74E-04	3.84E-04	1.42E-03	1.25E-04	4.36E-05	2.49E-04	2.98E-05	3.96E-05	1.31E-04	9.00E-06
7699	470479.57	3819413.95	0.00046575	1.96E-03	1.76E-04	3.88E-04	1.44E-03	1.26E-04	4.40E-05	2.52E-04	3.00E-05	4.00E-05	1.32E-04	9.09E-06
7700	470479.66	3819404.3	0.00046857	1.97E-03	1.77E-04	3.90E-04	1.45E-03	1.27E-04	4.42E-05	2.53E-04	3.02E-05	4.02E-05	1.33E-04	9.14E-06
7701	470479.74	3819394.66	0.00046968	1.97E-03	1.78E-04	3.91E-04	1.45E-03	1.28E-04	4.44E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.16E-06
7702	470479.82	3819385.01	0.000469	1.97E-03	1.77E-04	3.91E-04	1.45E-03	1.27E-04	4.43E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.15E-06
7703	470479.9	3819375.36	0.00046646	1.96E-03	1.76E-04	3.89E-04	1.44E-03	1.27E-04	4.40E-05	2.52E-04	3.01E-05	4.00E-05	1.32E-04	9.10E-06
7704	470479.99	3819365.71	0.000462	1.94E-03	1.75E-04	3.85E-04	1.43E-03	1.25E-04	4.36E-05	2.50E-04	2.98E-05	3.97E-05	1.31E-04	9.01E-06
7705	470480.07	3819356.06	0.00045571	1.91E-03	1.72E-04	3.80E-04	1.41E-03	1.24E-04	4.30E-05	2.46E-04	2.94E-05	3.91E-05	1.29E-04	8.89E-06
7706	470480.15	3819346.41	0.00044761	1.88E-03	1.69E-04	3.73E-04	1.38E-03	1.22E-04	4.23E-05	2.42E-04	2.89E-05	3.84E-05	1.27E-04	8.73E-06
7707	470480.24	3819336.77	0.00043775	1.84E-03	1.66E-04	3.65E-04	1.35E-03	1.19E-04	4.13E-05	2.37E-04	2.82E-05	3.76E-05	1.24E-04	8.54E-06
7708	470480.32	3819327.12	0.00042626	1.79E-03	1.61E-04	3.55E-04	1.32E-03	1.16E-04	4.03E-05	2.30E-04	2.75E-05	3.66E-05	1.21E-04	8.32E-06
7709	470480.4	3819317.47	0.00041328	1.74E-03	1.56E-04	3.44E-04	1.28E-03	1.12E-04	3.90E-05	2.23E-04	2.67E-05	3.55E-05	1.17E-04	8.06E-06
7710	470480.48	3819307.82	0.00039895	1.68E-03	1.51E-04	3.32E-04	1.23E-03	1.08E-04	3.77E-05	2.16E-04	2.57E-05	3.42E-05	1.13E-04	7.78E-06
7711	470480.57	3819298.17	0.00038344	1.61E-03	1.45E-04	3.19E-04	1.18E-03	1.04E-04	3.62E-05	2.07E-04	2.47E-05	3.29E-05	1.09E-04	7.48E-06
7712	470480.65	3819288.53	0.00036701	1.54E-03	1.39E-04	3.06E-04	1.13E-03	9.96E-05	3.47E-05	1.98E-04	2.37E-05	3.15E-05	1.04E-04	7.16E-06
7713	470480.73	3819278.88	0.00034981	1.47E-03	1.32E-04	2.91E-04	1.08E-03	9.50E-05	3.30E-05	1.89E-04	2.26E-05	3.00E-05	9.90E-05	6.83E-06
7714	470480.81	3819269.23	0.0003321	1.39E-03	1.26E-04	2.77E-04	1.02E-03	9.02E-05	3.14E-05	1.80E-04	2.14E-05	2.85E-05	9.40E-05	6.48E-06
7715	470480.9	3819259.58	0.00031408	1.32E-03	1.19E-04	2.62E-04	9.69E-04	8.53E-05	2.97E-05	1.70E-04	2.03E-05	2.70E-05	8.89E-05	6.13E-06
7716	470480.98	3819249.93	0.000296	1.24E-03	1.12E-04	2.47E-04	9.13E-04	8.03E-05	2.80E-05	1.60E-04	1.91E-05	2.54E-05	8.38E-05	5.78E-06
7717	470495.56	3819461.35	0.00038942	1.64E-03	1.47E-04	3.24E-04	1.20E-03	1.06E-04	3.68E-05	2.11E-04	2.51E-05	3.34E-05	1.10E-04	7.60E-06
7718	470491.89	3819469.98	0.00039031	1.64E-03	1.48E-04	3.25E-04	1.20E-03	1.06E-04	3.69E-05	2.11E-04	2.52E-05	3.35E-05	1.10E-04	7.62E-06
7719	470488.21	3819478.62	0.00039021	1.64E-03	1.48E-04	3.25E-04	1.20E-03	1.06E-04	3.68E-05	2.11E-04	2.52E-05	3.35E-05	1.10E-04	7.61E-06
7720	470484.53	3819487.25	0.00038918	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.06E-04	3.68E-05	2.10E-04	2.51E-05	3.34E-05	1.10E-04	7.59E-06
7721	470480.86	3819495.89	0.00038722	1.63E-03	1.46E-04	3.23E-04	1.19E-03	1.05E-04	3.66E-05	2.09E-04	2.50E-05	3.32E-05	1.10E-04	7.56E-06
7722	470477.18	3819504.52	0.00038439	1.61E-03	1.45E-04	3.20E-04	1.19E-03	1.04E-04	3.63E-05	2.08E-04	2.48E-05	3.30E-05	1.09E-04	7.50E-06
7723	470473.5	3819513.16	0.00038075	1.60E-03	1.44E-04	3.17E-04	1.17E-03	1.03E-04	3.60E-05	2.06E-04	2.46E-05	3.27E-05	1.08E-04	7.43E-06
7724	470469.83	3819521.79	0.00037638	1.58E-03	1.42E-04	3.14E-04	1.16E-03	1.02E-04	3.55E-05	2.03E-04	2.43E-05	3.23E-05	1.07E-04	7.34E-06
7725	470466.15	3819530.42	0.00037148	1.56E-03	1.40E-04	3.09E-04	1.15E-03	1.01E-04	3.51E-05	2.01E-04	2.40E-05	3.19E-05	1.05E-04	7.25E-06
7726	470462.47	3819539.06	0.00036614	1.54E-03	1.38E-04	3.05E-04	1.13E-03	9.94E-05	3.46E-05	1.98E-04	2.36E-05	3.14E-05	1.04E-04	7.14E-06
7727	470458.79	3819547.69	0.00036039	1.51E-03	1.36E-04	3.00E-04	1.11E-03	9.78E-05	3.40E-05	1.95E-04	2.32E-05	3.09E-05	1.02E-04	7.03E-06
7728	470455.12	3819556.33	0.00035429	1.49E-03	1.34E-04	2.95E-04	1.09E-03	9.62E-05	3.35E-05	1.92E-04	2.29E-05	3.04E-05	1.00E-04	6.91E-06
7729	470451.44	3819564.96	0.00034797	1.46E-03	1.32E-04	2.90E-04	1.07E-03	9.45E-05	3.29E-05	1.88E-04	2.24E-05	2.99E-05	9.85E-05	6.79E-06
7730	470447.76	3819573.6	0.00034145	1.43E-03	1.29E-04	2.84E-04	1.05E-03	9.27E-05	3.22E-05	1.85E-04	2.20E-05	2.93E-05	9.66E-05	6.66E-06
7731	470444.09	3819582.23	0.00033482	1.41E-03	1.27E-04	2.79E-04	1.03E-03	9.09E-05	3.16E-05	1.81E-04	2.16E-05	2.87E-05	9.48E-05	6.53E-06
7732	470440.41	3819590.86	0.00032816	1.38E-03	1.24E-04	2.73E-04	1.01E-03	8.91E-05	3.10E-05	1.77E-04	2.12E-05	2.82E-05	9.29E-05	6.40E-06
7733	470436.73	3819599.5	0.00032148	1.35E-03	1.22E-04	2.68E-04	9.92E-04	8.73E-05	3.04E-05	1.74E-04	2.07E-05	2.76E-05	9.10E-05	6.27E-06
7734	470424.34	3819611.62	0.00032176	1.35E-03	1.22E-04	2.68E-04	9.93E-04	8.73E-05	3.04E-05	1.74E-04	2.08E-05	2.76E-05	9.11E-05	6.28E-06

7735	470415.62	3819615.1	0.00032883	1.38E-03	1.24E-04	2.74E-04	1.01E-03	8.93E-05	3.11E-05	1.78E-04	2.12E-05	2.82E-05	9.31E-05	6.42E-06
7736	470406.91	3819618.58	0.00033605	1.41E-03	1.27E-04	2.80E-04	1.04E-03	9.12E-05	3.17E-05	1.82E-04	2.17E-05	2.88E-05	9.51E-05	6.56E-06
7737	470398.19	3819622.06	0.00034348	1.44E-03	1.30E-04	2.86E-04	1.06E-03	9.32E-05	3.24E-05	1.86E-04	2.22E-05	2.95E-05	9.72E-05	6.70E-06
7738	470389.48	3819625.54	0.00035112	1.47E-03	1.33E-04	2.92E-04	1.08E-03	9.53E-05	3.32E-05	1.90E-04	2.26E-05	3.01E-05	9.94E-05	6.85E-06
7739	470380.77	3819629.03	0.00035898	1.51E-03	1.36E-04	2.99E-04	1.11E-03	9.74E-05	3.39E-05	1.94E-04	2.32E-05	3.08E-05	1.02E-04	7.00E-06
7740	470372.05	3819632.51	0.00036709	1.54E-03	1.39E-04	3.06E-04	1.13E-03	9.97E-05	3.47E-05	1.98E-04	2.37E-05	3.15E-05	1.04E-04	7.16E-06
7741	470363.34	3819635.99	0.00037543	1.58E-03	1.42E-04	3.13E-04	1.16E-03	1.02E-04	3.55E-05	2.03E-04	2.42E-05	3.22E-05	1.06E-04	7.33E-06
7742	470354.62	3819639.47	0.00038398	1.61E-03	1.45E-04	3.20E-04	1.18E-03	1.04E-04	3.63E-05	2.08E-04	2.48E-05	3.30E-05	1.09E-04	7.49E-06
7743	470345.91	3819642.95	0.00039267	1.65E-03	1.49E-04	3.27E-04	1.21E-03	1.07E-04	3.71E-05	2.12E-04	2.53E-05	3.37E-05	1.11E-04	7.66E-06
7744	470337.19	3819646.43	0.00040148	1.69E-03	1.52E-04	3.34E-04	1.24E-03	1.09E-04	3.79E-05	2.17E-04	2.59E-05	3.45E-05	1.14E-04	7.83E-06
7745	470328.48	3819649.92	0.00041028	1.72E-03	1.55E-04	3.42E-04	1.27E-03	1.11E-04	3.87E-05	2.22E-04	2.65E-05	3.52E-05	1.16E-04	8.01E-06
7746	470319.76	3819653.4	0.00041907	1.76E-03	1.58E-04	3.49E-04	1.29E-03	1.14E-04	3.96E-05	2.27E-04	2.70E-05	3.60E-05	1.19E-04	8.18E-06
7747	470311.05	3819656.88	0.00042802	1.80E-03	1.62E-04	3.57E-04	1.32E-03	1.16E-04	4.04E-05	2.31E-04	2.76E-05	3.67E-05	1.21E-04	8.35E-06
7748	470302.33	3819660.36	0.00043669	1.83E-03	1.65E-04	3.64E-04	1.35E-03	1.19E-04	4.12E-05	2.36E-04	2.82E-05	3.75E-05	1.24E-04	8.52E-06
7749	470499.24	3819452.72	0.00038751	1.63E-03	1.47E-04	3.23E-04	1.20E-03	1.05E-04	3.66E-05	2.09E-04	2.50E-05	3.33E-05	1.10E-04	7.56E-06
7750	470499.32	3819443.07	0.00039392	1.65E-03	1.49E-04	3.28E-04	1.22E-03	1.07E-04	3.72E-05	2.13E-04	2.54E-05	3.38E-05	1.12E-04	7.69E-06
7751	470499.41	3819433.42	0.00039933	1.68E-03	1.51E-04	3.33E-04	1.23E-03	1.08E-04	3.77E-05	2.16E-04	2.58E-05	3.43E-05	1.13E-04	7.79E-06
7752	470499.49	3819423.77	0.00040365	1.70E-03	1.53E-04	3.36E-04	1.25E-03	1.10E-04	3.81E-05	2.18E-04	2.60E-05	3.47E-05	1.14E-04	7.88E-06
7753	470499.57	3819414.12	0.00040676	1.71E-03	1.54E-04	3.39E-04	1.26E-03	1.10E-04	3.84E-05	2.20E-04	2.62E-05	3.49E-05	1.15E-04	7.94E-06
7754	470499.66	3819404.48	0.00040854	1.72E-03	1.55E-04	3.40E-04	1.26E-03	1.11E-04	3.86E-05	2.21E-04	2.64E-05	3.51E-05	1.16E-04	7.97E-06
7755	470499.74	3819394.83	0.00040896	1.72E-03	1.55E-04	3.41E-04	1.26E-03	1.11E-04	3.86E-05	2.21E-04	2.64E-05	3.51E-05	1.16E-04	7.98E-06
7756	470499.82	3819385.18	0.00040793	1.71E-03	1.54E-04	3.40E-04	1.26E-03	1.11E-04	3.85E-05	2.21E-04	2.63E-05	3.50E-05	1.15E-04	7.96E-06
7757	470499.9	3819375.53	0.00040542	1.70E-03	1.53E-04	3.38E-04	1.25E-03	1.10E-04	3.83E-05	2.19E-04	2.62E-05	3.48E-05	1.15E-04	7.91E-06
7758	470499.99	3819365.88	0.0004014	1.69E-03	1.52E-04	3.34E-04	1.24E-03	1.09E-04	3.79E-05	2.17E-04	2.59E-05	3.45E-05	1.14E-04	7.83E-06
7759	470500.07	3819356.23	0.00039592	1.66E-03	1.50E-04	3.30E-04	1.22E-03	1.07E-04	3.74E-05	2.14E-04	2.55E-05	3.40E-05	1.12E-04	7.73E-06
7760	470500.15	3819346.59	0.000389	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.06E-04	3.67E-05	2.10E-04	2.51E-05	3.34E-05	1.10E-04	7.59E-06
7761	470500.23	3819336.94	0.00038069	1.60E-03	1.44E-04	3.17E-04	1.17E-03	1.03E-04	3.59E-05	2.06E-04	2.46E-05	3.27E-05	1.08E-04	7.43E-06
7762	470500.32	3819327.29	0.00037106	1.56E-03	1.40E-04	3.09E-04	1.15E-03	1.01E-04	3.50E-05	2.01E-04	2.39E-05	3.19E-05	1.05E-04	7.24E-06
7763	470500.4	3819317.64	0.00036025	1.51E-03	1.36E-04	3.00E-04	1.11E-03	9.78E-05	3.40E-05	1.95E-04	2.32E-05	3.09E-05	1.02E-04	7.03E-06
7764	470515.63	3819461.37	0.0003461	1.45E-03	1.31E-04	2.88E-04	1.07E-03	9.40E-05	3.27E-05	1.87E-04	2.23E-05	2.97E-05	9.80E-05	6.75E-06
7765	470512.02	3819469.84	0.00034735	1.46E-03	1.31E-04	2.89E-04	1.07E-03	9.43E-05	3.28E-05	1.88E-04	2.24E-05	2.98E-05	9.83E-05	6.78E-06
7766	470508.41	3819478.32	0.00034782	1.46E-03	1.32E-04	2.90E-04	1.07E-03	9.44E-05	3.28E-05	1.88E-04	2.24E-05	2.99E-05	9.85E-05	6.79E-06
7767	470504.8	3819486.8	0.00034753	1.46E-03	1.31E-04	2.89E-04	1.07E-03	9.43E-05	3.28E-05	1.88E-04	2.24E-05	2.98E-05	9.84E-05	6.78E-06
7768	470501.19	3819495.27	0.00034652	1.46E-03	1.31E-04	2.89E-04	1.07E-03	9.41E-05	3.27E-05	1.87E-04	2.24E-05	2.97E-05	9.81E-05	6.76E-06
7769	470497.58	3819503.75	0.00034485	1.45E-03	1.30E-04	2.87E-04	1.06E-03	9.36E-05	3.26E-05	1.86E-04	2.22E-05	2.96E-05	9.76E-05	6.73E-06
7770	470493.97	3819512.23	0.00034253	1.44E-03	1.30E-04	2.85E-04	1.06E-03	9.30E-05	3.23E-05	1.85E-04	2.21E-05	2.94E-05	9.70E-05	6.68E-06
7771	470490.36	3819520.71	0.0003396	1.43E-03	1.28E-04	2.83E-04	1.05E-03	9.22E-05	3.21E-05	1.84E-04	2.19E-05	2.92E-05	9.61E-05	6.63E-06
7772	470486.75	3819529.18	0.00033616	1.41E-03	1.27E-04	2.80E-04	1.04E-03	9.13E-05	3.17E-05	1.82E-04	2.17E-05	2.89E-05	9.52E-05	6.56E-06
7773	470483.14	3819537.66	0.00033226	1.40E-03	1.26E-04	2.77E-04	1.03E-03	9.02E-05	3.14E-05	1.80E-04	2.14E-05	2.85E-05	9.40E-05	6.48E-06
7774	470479.53	3819546.14	0.00032797	1.38E-03	1.24E-04	2.73E-04	1.01E-03	8.90E-05	3.10E-05	1.77E-04	2.12E-05	2.82E-05	9.28E-05	6.40E-06
7775	470475.92	3819554.62	0.00032335	1.36E-03	1.22E-04	2.69E-04	9.98E-04	8.78E-05	3.05E-05	1.75E-04	2.09E-05	2.78E-05	9.15E-05	6.31E-06
7776	470472.31	3819563.09	0.00031845	1.34E-03	1.20E-04	2.65E-04	9.83E-04	8.65E-05	3.01E-05	1.72E-04	2.05E-05	2.73E-05	9.01E-05	6.21E-06
7777	470468.7	3819571.57	0.00031333	1.32E-03	1.19E-04	2.61E-04	9.67E-04	8.51E-05	2.96E-05	1.69E-04	2.02E-05	2.69E-05	8.87E-05	6.11E-06
7778	470465.09	3819580.05	0.00030804	1.29E-03	1.17E-04	2.57E-04	9.51E-04	8.36E-05	2.91E-05	1.67E-04	1.99E-05	2.64E-05	8.72E-05	6.01E-06
7779	470461.48	3819588.52	0.00030264	1.27E-03	1.14E-04	2.52E-04	9.34E-04	8.22E-05	2.86E-05	1.64E-04	1.95E-05	2.60E-05	8.57E-05	5.91E-06
7780	470457.87	3819597	0.00029715	1.25E-03	1.12E-04	2.48E-04	9.17E-04	8.07E-05	2.81E-05	1.61E-04	1.92E-05	2.55E-05	8.41E-05	5.80E-06
7781	470454.26	3819605.48	0.00029164	1.22E-03	1.10E-04	2.43E-04	9.00E-04	7.92E-05	2.75E-05	1.58E-04	1.88E-05	2.50E-05	8.26E-05	5.69E-06
7782	470450.65	3819613.96	0.00028613	1.20E-03	1.08E-04	2.38E-04	8.83E-04	7.77E-05	2.70E-05	1.55E-04	1.85E-05	2.46E-05	8.10E-05	5.58E-06
7783	470438.48	3819625.85	0.00028636	1.20E-03	1.08E-04	2.39E-04	8.84E-04	7.77E-05	2.70E-05	1.55E-04	1.85E-05	2.46E-05	8.11E-05	5.59E-06
7784	470429.92	3819629.27	0.00029216	1.23E-03	1.10E-04	2.43E-04	9.02E-04	7.93E-05	2.76E-05	1.58E-04	1.88E-05	2.51E-05	8.27E-05	5.70E-06
7785	470421.37	3819632.69	0.00029808	1.25E-03	1.13E-04	2.48E-04	9.20E-04	8.09E-05	2.81E-05	1.61E-04	1.92E-05	2.56E-05	8.44E-05	5.82E-06
7786	470412.81	3819636.11	0.00030416	1.28E-03	1.15E-04	2.53E-04	9.39E-04	8.26E-05	2.87E-05	1.64E-04	1.96E-05	2.61E-05	8.61E-05	5.93E-06
7787	470404.25	3819639.53	0.00031042	1.30E-03	1.17E-04	2.59E-04	9.58E-04	8.43E-05	2.93E-05	1.68E-04	2.00E-05	2.66E-05	8.79E-05	6.06E-06
7788	470395.7	3819642.95	0.00031686	1.33E-03	1.20E-04	2.64E-04	9.78E-04	8.60E-05	2.99E-05	1.71E-04	2.04E-05	2.72E-05	8.97E-05	6.18E-06
7789	470387.14	3819646.36	0.00032353	1.36E-03	1.22E-04	2.69E-04	9.98E-04	8.78E-05	3.06E-05	1.75E-04	2.09E-05	2.78E-05	9.16E-05	6.31E-06
7790	470378.59	3819649.78	0.00033037	1.39E-03	1.25E-04	2.75E-04	1.02E-03	8.97E-05	3.12E-05	1.79E-04	2.13E-05	2.84E-05	9.35E-05	6.45E-06
7791	470370.03	3819653.2	0.00033741	1.42E-03	1.28E-04	2.81E-04	1.04E-03	9.16E-05	3.19E-05	1.82E-04	2.18E-05	2.90E-05	9.55E-05	6.58E-06
7792	470361.47	3819656.62	0.00034463	1.45E-03	1.30E-04	2.87E-04	1.06E-03	9.36E-05	3.25E-05	1.86E-04	2.22E-05	2.96E-05	9.76E-05	6.72E-06
7793	470352.92	3819660.04	0.00035197	1.48E-03	1.33E-04	2.93E-04	1.09E-03	9.55E-05	3.32E-05	1.90E-04	2.27E-05	3.02E-05	9.96E-05	6.87E-06
7794	470344.36	3819663.46	0.00035942	1.51E-03	1.36E-04	2.99E-04	1.11E-03	9.76E-05	3.39E-05	1.94E-04	2.32E-05	3.09E-05	1.02E-04	7.01E-06
7795	470335.8	3819666.88	0.00036691	1.54E-03	1.39E-04	3.06E-04	1.13E-03	9.96E-05	3.46E-05	1.98E-04	2.37E-05	3.15E-05	1.04E-04	7.16E-06
7796	470327.25	3819670.29	0.00037436	1.57E-03	1.42E-04	3.12E-04	1.16E-03	1.02E-04	3.54E-05	2.02E-04	2.41E-05	3.21E-05	1.06E-04	7.30E-06
7797	470318.69	3819673.71	0.00038174	1.60E-03	1.44E-04	3.18E-04	1.18E-03	1.04E-04	3.60E-05	2.06E-04	2.46E-05	3.28E-05	1.08E-04	7.45E-06
7798	470310.13	3819677.13	0.00038919	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.06E-04	3.68E-05	2.10E-04	2.51E-05	3.34E-05	1.10E-04	7.59E-06
7799	470301.58	3819680.55	0.00039633	1.66E-03	1.50E-04	3.30E-04	1.22E-03	1.08E-04	3.74E-05	2.14E-04	2.56E-05	3.40E-05	1.12E-04	7.73E-06
7800	470519.24	3819452.89	0.00034406	1.44E-03	1.30E-04	2.87E-04	1.06E-03	9.34E-05	3.25E-05	1.86E-04	2.22E-05	2.95E-05	9.74E-05	6.71E-06
7801	470519.32	3819443.24	0.00034892	1.47E-03	1.32E-04	2.91E-04	1.08E-03	9.47E-05	3.29E-05	1.89E-04	2.25E-05	3.00E-05	9.88E-05	6.81E-06
7802	470519.41	3819433.59	0.00035295	1.48E-03	1.33E-04	2.94E-04	1.09E-03	9.58E-05	3.33E-05	1.91E-04	2.28E-05	3.03E-05	9.99E-05	6.89E-06
7803	470519.49	3819423.94	0.00035607	1.50E-03	1.35E-04	2.97E-04	1.10E-03	9.67E-05	3.36E-05	1.92E-04	2.30E-05	3.06E-05	1.01E-04	6.95E-06
7804	470519.57	3819414.3	0.0003582	1.50E-03	1.35E-04	2.98E-04	1.11E-03	9.72E-05	3.38E-05	1.94E-04	2.31E-05	3.08E-05	1.01E-04	6.99E-06
7805	470519.65	3819404.65	0.00035928	1.51E-03	1.36E-04	2.99E-04	1.11E-03	9.75E-05	3.39E-05	1.94E-04	2.32E-05	3.08E-05	1.02E-04	7.01E-06
7806	470519.74	3819395	0.0003592	1.51E-03	1.36E-04	2.99E-04	1.11E-03	9.75E-05	3.39E-05	1.94E-04	2.32E-05	3.08E-05	1.02E-04	7.01E-06
7807	470535.52	3819461.81	0.00030943	1.30E-03	1.17E-04	2.58E-04	9.55E-04	8.40E-05	2.92E-05	1.67E-04	2.00E-05	2.66E-05	8.76E-05	6.04E-06

7808	470531.79	3819470.55	0.00031094	1.31E-03	1.18E-04	2.59E-04	9.60E-04	8.44E-05	2.94E-05	1.68E-04	2.01E-05	2.67E-05	8.80E-05	6.07E-06
7809	470528.07	3819479.3	0.00031175	1.31E-03	1.18E-04	2.60E-04	9.62E-04	8.46E-05	2.94E-05	1.69E-04	2.01E-05	2.68E-05	8.82E-05	6.08E-06
7810	470524.34	3819488.04	0.00031192	1.31E-03	1.18E-04	2.60E-04	9.63E-04	8.47E-05	2.95E-05	1.69E-04	2.01E-05	2.68E-05	8.83E-05	6.09E-06
7811	470520.62	3819496.79	0.00031142	1.31E-03	1.18E-04	2.59E-04	9.61E-04	8.45E-05	2.94E-05	1.68E-04	2.01E-05	2.67E-05	8.82E-05	6.08E-06
7812	470516.89	3819505.54	0.00031032	1.30E-03	1.17E-04	2.58E-04	9.58E-04	8.42E-05	2.93E-05	1.68E-04	2.00E-05	2.66E-05	8.78E-05	6.06E-06
7813	470513.17	3819514.28	0.00030866	1.30E-03	1.17E-04	2.57E-04	9.52E-04	8.38E-05	2.91E-05	1.67E-04	1.99E-05	2.65E-05	8.74E-05	6.02E-06
7814	470509.44	3819523.03	0.00030646	1.29E-03	1.16E-04	2.55E-04	9.46E-04	8.32E-05	2.89E-05	1.66E-04	1.98E-05	2.63E-05	8.67E-05	5.98E-06
7815	470505.72	3819531.78	0.00030377	1.28E-03	1.15E-04	2.53E-04	9.37E-04	8.25E-05	2.87E-05	1.64E-04	1.96E-05	2.61E-05	8.60E-05	5.93E-06
7816	470501.99	3819540.52	0.00030068	1.26E-03	1.14E-04	2.50E-04	9.28E-04	8.16E-05	2.84E-05	1.63E-04	1.94E-05	2.58E-05	8.51E-05	5.87E-06
7817	470498.27	3819549.27	0.00029718	1.25E-03	1.12E-04	2.48E-04	9.17E-04	8.07E-05	2.81E-05	1.61E-04	1.92E-05	2.55E-05	8.41E-05	5.80E-06
7818	470494.54	3819558.02	0.00029337	1.23E-03	1.11E-04	2.44E-04	9.05E-04	7.96E-05	2.77E-05	1.59E-04	1.89E-05	2.52E-05	8.30E-05	5.72E-06
7819	470490.82	3819566.76	0.00028928	1.21E-03	1.09E-04	2.41E-04	8.93E-04	7.85E-05	2.73E-05	1.56E-04	1.87E-05	2.48E-05	8.19E-05	5.64E-06
7820	470487.09	3819575.51	0.00028497	1.20E-03	1.08E-04	2.37E-04	8.79E-04	7.74E-05	2.69E-05	1.54E-04	1.84E-05	2.45E-05	8.07E-05	5.56E-06
7821	470483.37	3819584.26	0.00028046	1.18E-03	1.06E-04	2.34E-04	8.65E-04	7.61E-05	2.65E-05	1.52E-04	1.81E-05	2.41E-05	7.94E-05	5.47E-06
7822	470479.64	3819593	0.00027584	1.16E-03	1.04E-04	2.30E-04	8.51E-04	7.49E-05	2.60E-05	1.49E-04	1.78E-05	2.37E-05	7.81E-05	5.38E-06
7823	470475.92	3819601.75	0.00027109	1.14E-03	1.03E-04	2.26E-04	8.37E-04	7.36E-05	2.56E-05	1.47E-04	1.75E-05	2.33E-05	7.67E-05	5.29E-06
7824	470472.19	3819610.49	0.0002663	1.12E-03	1.01E-04	2.22E-04	8.22E-04	7.23E-05	2.51E-05	1.44E-04	1.72E-05	2.29E-05	7.54E-05	5.20E-06
7825	470468.47	3819619.24	0.00026147	1.10E-03	9.89E-05	2.18E-04	8.07E-04	7.10E-05	2.47E-05	1.41E-04	1.69E-05	2.24E-05	7.40E-05	5.10E-06
7826	470464.74	3819627.99	0.00025666	1.08E-03	9.71E-05	2.14E-04	7.92E-04	6.97E-05	2.42E-05	1.39E-04	1.66E-05	2.20E-05	7.26E-05	5.01E-06
7827	470452.19	3819640.26	0.00025684	1.08E-03	9.71E-05	2.14E-04	7.93E-04	6.97E-05	2.43E-05	1.39E-04	1.66E-05	2.20E-05	7.27E-05	5.01E-06
7828	470443.36	3819643.79	0.00026189	1.10E-03	9.90E-05	2.18E-04	8.08E-04	7.11E-05	2.47E-05	1.42E-04	1.69E-05	2.25E-05	7.41E-05	5.11E-06
7829	470434.53	3819647.32	0.00026707	1.12E-03	1.01E-04	2.22E-04	8.24E-04	7.25E-05	2.52E-05	1.44E-04	1.72E-05	2.29E-05	7.56E-05	5.21E-06
7830	470425.71	3819650.84	0.00027238	1.14E-03	1.03E-04	2.27E-04	8.41E-04	7.39E-05	2.57E-05	1.47E-04	1.76E-05	2.34E-05	7.71E-05	5.31E-06
7831	470416.88	3819654.37	0.00027785	1.17E-03	1.05E-04	2.31E-04	8.57E-04	7.54E-05	2.62E-05	1.50E-04	1.79E-05	2.39E-05	7.86E-05	5.42E-06
7832	470408.05	3819657.9	0.0002835	1.19E-03	1.07E-04	2.36E-04	8.75E-04	7.70E-05	2.68E-05	1.53E-04	1.83E-05	2.43E-05	8.03E-05	5.53E-06
7833	470399.22	3819661.42	0.00028935	1.22E-03	1.09E-04	2.41E-04	8.93E-04	7.85E-05	2.73E-05	1.56E-04	1.87E-05	2.48E-05	8.19E-05	5.65E-06
7834	470390.39	3819664.95	0.00029537	1.24E-03	1.12E-04	2.46E-04	9.11E-04	8.02E-05	2.79E-05	1.60E-04	1.91E-05	2.54E-05	8.36E-05	5.76E-06
7835	470381.57	3819668.48	0.00030158	1.27E-03	1.14E-04	2.51E-04	9.31E-04	8.19E-05	2.85E-05	1.63E-04	1.95E-05	2.59E-05	8.54E-05	5.88E-06
7836	470372.74	3819672.01	0.00030797	1.29E-03	1.16E-04	2.57E-04	9.50E-04	8.36E-05	2.91E-05	1.66E-04	1.99E-05	2.64E-05	8.72E-05	6.01E-06
7837	470363.91	3819675.53	0.00031451	1.32E-03	1.19E-04	2.62E-04	9.71E-04	8.54E-05	2.97E-05	1.70E-04	2.03E-05	2.70E-05	8.90E-05	6.14E-06
7838	470355.08	3819679.06	0.00032116	1.35E-03	1.21E-04	2.68E-04	9.91E-04	8.72E-05	3.03E-05	1.74E-04	2.07E-05	2.76E-05	9.09E-05	6.27E-06
7839	470346.25	3819682.59	0.00032787	1.38E-03	1.24E-04	2.73E-04	1.01E-03	8.90E-05	3.10E-05	1.77E-04	2.11E-05	2.81E-05	9.28E-05	6.40E-06
7840	470337.43	3819686.11	0.00033458	1.41E-03	1.27E-04	2.79E-04	1.03E-03	9.08E-05	3.16E-05	1.81E-04	2.16E-05	2.87E-05	9.47E-05	6.53E-06
7841	470328.6	3819689.64	0.00034124	1.43E-03	1.29E-04	2.84E-04	1.05E-03	9.26E-05	3.22E-05	1.84E-04	2.20E-05	2.93E-05	9.66E-05	6.66E-06
7842	470319.77	3819693.17	0.00034776	1.46E-03	1.32E-04	2.90E-04	1.07E-03	9.44E-05	3.28E-05	1.88E-04	2.24E-05	2.99E-05	9.84E-05	6.79E-06
7843	470310.94	3819696.7	0.00035436	1.49E-03	1.34E-04	2.95E-04	1.09E-03	9.62E-05	3.35E-05	1.92E-04	2.29E-05	3.04E-05	1.00E-04	6.91E-06
7844	470302.11	3819700.22	0.00036066	1.51E-03	1.36E-04	3.00E-04	1.11E-03	9.79E-05	3.41E-05	1.95E-04	2.33E-05	3.10E-05	1.02E-04	7.04E-06
7845	470540.93	3819496.23	0.00028126	1.18E-03	1.06E-04	2.34E-04	8.68E-04	7.64E-05	2.66E-05	1.52E-04	1.81E-05	2.41E-05	7.96E-05	5.49E-06
7846	470537.26	3819504.83	0.00028078	1.18E-03	1.06E-04	2.34E-04	8.66E-04	7.62E-05	2.65E-05	1.52E-04	1.81E-05	2.41E-05	7.95E-05	5.48E-06
7847	470533.6	3819513.43	0.00027982	1.18E-03	1.06E-04	2.33E-04	8.63E-04	7.60E-05	2.64E-05	1.51E-04	1.80E-05	2.40E-05	7.92E-05	5.46E-06
7848	470529.94	3819522.03	0.00027841	1.17E-03	1.05E-04	2.32E-04	8.59E-04	7.56E-05	2.63E-05	1.51E-04	1.80E-05	2.39E-05	7.88E-05	5.43E-06
7849	470526.28	3819530.63	0.00027659	1.16E-03	1.05E-04	2.30E-04	8.53E-04	7.51E-05	2.61E-05	1.50E-04	1.78E-05	2.37E-05	7.83E-05	5.40E-06
7850	470522.61	3819539.23	0.00027439	1.15E-03	1.04E-04	2.29E-04	8.47E-04	7.45E-05	2.59E-05	1.48E-04	1.77E-05	2.36E-05	7.77E-05	5.35E-06
7851	470518.95	3819547.83	0.00027184	1.14E-03	1.03E-04	2.26E-04	8.39E-04	7.38E-05	2.57E-05	1.47E-04	1.75E-05	2.33E-05	7.69E-05	5.30E-06
7852	470515.29	3819556.43	0.00026899	1.13E-03	1.02E-04	2.24E-04	8.30E-04	7.30E-05	2.54E-05	1.45E-04	1.74E-05	2.31E-05	7.61E-05	5.25E-06
7853	470511.63	3819565.03	0.00026588	1.12E-03	1.01E-04	2.21E-04	8.20E-04	7.22E-05	2.51E-05	1.44E-04	1.71E-05	2.28E-05	7.53E-05	5.19E-06
7854	470507.96	3819573.63	0.00026254	1.10E-03	9.93E-05	2.19E-04	8.10E-04	7.13E-05	2.48E-05	1.42E-04	1.69E-05	2.25E-05	7.43E-05	5.12E-06
7855	470504.3	3819582.23	0.00025899	1.09E-03	9.79E-05	2.16E-04	7.99E-04	7.03E-05	2.45E-05	1.40E-04	1.67E-05	2.22E-05	7.33E-05	5.05E-06
7856	470500.64	3819590.83	0.00025529	1.07E-03	9.65E-05	2.13E-04	7.88E-04	6.93E-05	2.41E-05	1.38E-04	1.65E-05	2.19E-05	7.23E-05	4.98E-06
7857	470496.98	3819599.43	0.00025146	1.06E-03	9.51E-05	2.09E-04	7.76E-04	6.83E-05	2.37E-05	1.36E-04	1.62E-05	2.16E-05	7.12E-05	4.91E-06
7858	470493.31	3819608.03	0.00024754	1.04E-03	9.36E-05	2.06E-04	7.64E-04	6.72E-05	2.34E-05	1.34E-04	1.60E-05	2.13E-05	7.01E-05	4.83E-06
7859	470489.65	3819616.63	0.00024354	1.02E-03	9.21E-05	2.03E-04	7.52E-04	6.61E-05	2.30E-05	1.32E-04	1.57E-05	2.09E-05	6.89E-05	4.75E-06
7860	470485.99	3819625.23	0.00023949	1.01E-03	9.06E-05	1.99E-04	7.39E-04	6.50E-05	2.26E-05	1.29E-04	1.54E-05	2.06E-05	6.78E-05	4.67E-06
7861	470482.33	3819633.83	0.00023544	9.89E-04	8.90E-05	1.96E-04	7.27E-04	6.39E-05	2.22E-05	1.27E-04	1.52E-05	2.02E-05	6.66E-05	4.59E-06
7862	470478.66	3819642.43	0.00023139	9.72E-04	8.75E-05	1.93E-04	7.14E-04	6.28E-05	2.19E-05	1.25E-04	1.49E-05	1.99E-05	6.55E-05	4.52E-06
7863	470466.32	3819654.5	0.00023142	9.72E-04	8.75E-05	1.93E-04	7.14E-04	6.28E-05	2.19E-05	1.25E-04	1.49E-05	1.99E-05	6.55E-05	4.52E-06
7864	470457.64	3819657.97	0.00023566	9.90E-04	8.91E-05	1.96E-04	7.27E-04	6.40E-05	2.23E-05	1.27E-04	1.52E-05	2.02E-05	6.67E-05	4.60E-06
7865	470448.96	3819661.44	0.00024002	1.01E-03	9.08E-05	2.00E-04	7.41E-04	6.52E-05	2.27E-05	1.30E-04	1.55E-05	2.06E-05	6.79E-05	4.68E-06
7866	470440.28	3819664.91	0.00024453	1.03E-03	9.25E-05	2.04E-04	7.55E-04	6.64E-05	2.31E-05	1.32E-04	1.58E-05	2.10E-05	6.92E-05	4.77E-06
7867	470431.6	3819668.38	0.0002491	1.05E-03	9.42E-05	2.07E-04	7.69E-04	6.76E-05	2.35E-05	1.35E-04	1.61E-05	2.14E-05	7.05E-05	4.86E-06
7868	470422.92	3819671.84	0.00025382	1.07E-03	9.60E-05	2.11E-04	7.83E-04	6.89E-05	2.40E-05	1.37E-04	1.64E-05	2.18E-05	7.18E-05	4.95E-06
7869	470414.24	3819675.31	0.00025869	1.09E-03	9.78E-05	2.15E-04	7.98E-04	7.02E-05	2.44E-05	1.40E-04	1.67E-05	2.22E-05	7.32E-05	5.05E-06
7870	470405.56	3819678.78	0.00026372	1.11E-03	9.97E-05	2.20E-04	8.14E-04	7.16E-05	2.49E-05	1.43E-04	1.70E-05	2.26E-05	7.46E-05	5.15E-06
7871	470396.88	3819682.25	0.00026892	1.13E-03	1.02E-04	2.24E-04	8.30E-04	7.30E-05	2.54E-05	1.45E-04	1.73E-05	2.31E-05	7.61E-05	5.25E-06
7872	470388.2	3819685.72	0.00027429	1.15E-03	1.04E-04	2.28E-04	8.46E-04	7.45E-05	2.59E-05	1.48E-04	1.77E-05	2.35E-05	7.76E-05	5.35E-06
7873	470379.52	3819689.18	0.00027981	1.18E-03	1.06E-04	2.33E-04	8.63E-04	7.60E-05	2.64E-05	1.51E-04	1.80E-05	2.40E-05	7.92E-05	5.46E-06
7874	470370.84	3819692.65	0.00028544	1.20E-03	1.08E-04	2.38E-04	8.81E-04	7.75E-05	2.70E-05	1.54E-04	1.84E-05	2.45E-05	8.08E-05	5.57E-06
7875	470362.16	3819696.12	0.00029117	1.22E-03	1.10E-04	2.43E-04	8.99E-04	7.90E-05	2.75E-05	1.57E-04	1.88E-05	2.50E-05	8.24E-05	5.68E-06
7876	470353.48	3819699.59	0.00029695	1.25E-03	1.12E-04	2.47E-04	9.16E-04	8.06E-05	2.80E-05	1.61E-04	1.92E-05	2.55E-05	8.41E-05	5.79E-06
7877	470344.8	3819703.06	0.00030274	1.27E-03	1.14E-04	2.52E-04	9.34E-04	8.22E-05	2.86E-05	1.64E-04	1.95E-05	2.60E-05	8.57E-05	5.91E-06
7878	470336.11	3819706.53	0.00030851	1.30E-03	1.17E-04	2.57E-04	9.52E-04	8.38E-05	2.91E-05	1.67E-04	1.99E-05	2.65E-05	8.73E-05	6.02E-06
7879	470327.43	3819709.99	0.00031419	1.32E-03	1.19E-04	2.62E-04	9.70E-04	8.53E-05	2.97E-05	1.70E-04	2.03E-05	2.70E-05	8.89E-05	6.13E-06
7880	470318.75	3819713.46	0.00031973	1.34E-03	1.21E-04	2.66E-04	9.87E-04	8.68E-05	3.02E-05	1.73E-04	2.06E-05	2.74E-05	9.05E-05	6.24E-06

7881	470310.07	3819716.93	0.00032527	1.37E-03	1.23E-04	2.71E-04	1.00E-03	8.83E-05	3.07E-05	1.76E-04	2.10E-05	2.79E-05	9.21E-05	6.35E-06
7882	470301.39	3819720.4	0.00033052	1.39E-03	1.25E-04	2.75E-04	1.02E-03	8.97E-05	3.12E-05	1.79E-04	2.13E-05	2.84E-05	9.36E-05	6.45E-06
7883	470560.98	3819250.62	0.00019242	8.08E-04	7.28E-05	1.60E-04	5.94E-04	5.22E-05	1.82E-05	1.04E-04	1.24E-05	1.65E-05	5.45E-05	3.75E-06
7884	470561.06	3819240.97	0.00018328	7.70E-04	6.93E-05	1.53E-04	5.66E-04	4.98E-05	1.73E-05	9.91E-05	1.18E-05	1.57E-05	5.19E-05	3.58E-06
7885	470549.15	3819524.05	0.00025325	1.06E-03	9.58E-05	2.11E-04	7.81E-04	6.87E-05	2.39E-05	1.37E-04	1.63E-05	2.17E-05	7.17E-05	4.94E-06
7886	470545.39	3819532.88	0.00025189	1.06E-03	9.53E-05	2.10E-04	7.77E-04	6.84E-05	2.38E-05	1.36E-04	1.62E-05	2.16E-05	7.13E-05	4.92E-06
7887	470541.63	3819541.71	0.00025017	1.05E-03	9.46E-05	2.08E-04	7.72E-04	6.79E-05	2.36E-05	1.35E-04	1.61E-05	2.15E-05	7.08E-05	4.88E-06
7888	470537.87	3819550.54	0.00024814	1.04E-03	9.38E-05	2.07E-04	7.66E-04	6.74E-05	2.34E-05	1.34E-04	1.60E-05	2.13E-05	7.02E-05	4.84E-06
7889	470534.11	3819559.37	0.00024582	1.03E-03	9.30E-05	2.05E-04	7.59E-04	6.67E-05	2.32E-05	1.33E-04	1.59E-05	2.11E-05	6.96E-05	4.80E-06
7890	470530.35	3819568.2	0.00024325	1.02E-03	9.20E-05	2.03E-04	7.51E-04	6.60E-05	2.30E-05	1.31E-04	1.57E-05	2.09E-05	6.89E-05	4.75E-06
7891	470526.59	3819577.03	0.00024046	1.01E-03	9.09E-05	2.00E-04	7.42E-04	6.53E-05	2.27E-05	1.30E-04	1.55E-05	2.06E-05	6.81E-05	4.69E-06
7892	470522.83	3819585.86	0.00023747	9.97E-04	8.98E-05	1.98E-04	7.33E-04	6.45E-05	2.24E-05	1.28E-04	1.53E-05	2.04E-05	6.72E-05	4.63E-06
7893	470519.07	3819594.69	0.00023432	9.84E-04	8.86E-05	1.95E-04	7.23E-04	6.36E-05	2.21E-05	1.27E-04	1.51E-05	2.01E-05	6.63E-05	4.57E-06
7894	470515.31	3819603.52	0.00023104	9.70E-04	8.74E-05	1.92E-04	7.13E-04	6.27E-05	2.18E-05	1.25E-04	1.49E-05	1.98E-05	6.54E-05	4.51E-06
7895	470511.55	3819612.35	0.00022765	9.56E-04	8.61E-05	1.90E-04	7.02E-04	6.18E-05	2.15E-05	1.23E-04	1.47E-05	1.95E-05	6.44E-05	4.44E-06
7896	470507.79	3819621.18	0.00022417	9.41E-04	8.48E-05	1.87E-04	6.92E-04	6.09E-05	2.12E-05	1.21E-04	1.45E-05	1.92E-05	6.35E-05	4.37E-06
7897	470504.03	3819630.01	0.00022063	9.27E-04	8.34E-05	1.84E-04	6.81E-04	5.99E-05	2.08E-05	1.19E-04	1.42E-05	1.89E-05	6.25E-05	4.31E-06
7898	470500.26	3819638.84	0.00021707	9.12E-04	8.21E-05	1.81E-04	6.70E-04	5.89E-05	2.05E-05	1.17E-04	1.40E-05	1.86E-05	6.14E-05	4.24E-06
7899	470496.5	3819647.67	0.00021346	8.96E-04	8.07E-05	1.78E-04	6.59E-04	5.79E-05	2.02E-05	1.15E-04	1.38E-05	1.83E-05	6.04E-05	4.17E-06
7900	470492.74	3819656.5	0.00020977	8.81E-04	7.93E-05	1.75E-04	6.47E-04	5.69E-05	1.98E-05	1.13E-04	1.35E-05	1.80E-05	5.94E-05	4.09E-06
7901	470480.07	3819668.9	0.00020971	8.81E-04	7.93E-05	1.75E-04	6.47E-04	5.69E-05	1.98E-05	1.13E-04	1.35E-05	1.80E-05	5.94E-05	4.09E-06
7902	470471.16	3819672.46	0.00021338	8.96E-04	8.07E-05	1.78E-04	6.58E-04	5.79E-05	2.01E-05	1.15E-04	1.38E-05	1.83E-05	6.04E-05	4.16E-06
7903	470462.24	3819676.02	0.00021725	9.12E-04	8.22E-05	1.81E-04	6.70E-04	5.90E-05	2.05E-05	1.17E-04	1.40E-05	1.87E-05	6.15E-05	4.24E-06
7904	470453.33	3819679.58	0.0002213	9.29E-04	8.37E-05	1.84E-04	6.83E-04	6.01E-05	2.09E-05	1.20E-04	1.43E-05	1.90E-05	6.26E-05	4.32E-06
7905	470444.42	3819683.14	0.00022546	9.47E-04	8.53E-05	1.88E-04	6.96E-04	6.12E-05	2.13E-05	1.22E-04	1.45E-05	1.94E-05	6.38E-05	4.40E-06
7906	470435.51	3819686.7	0.0002297	9.65E-04	8.69E-05	1.91E-04	7.09E-04	6.24E-05	2.17E-05	1.24E-04	1.48E-05	1.97E-05	6.50E-05	4.48E-06
7907	470426.59	3819690.26	0.00023402	9.83E-04	8.85E-05	1.95E-04	7.22E-04	6.35E-05	2.21E-05	1.27E-04	1.51E-05	2.01E-05	6.62E-05	4.57E-06
7908	470417.68	3819693.82	0.00023849	1.00E-03	9.02E-05	1.99E-04	7.36E-04	6.47E-05	2.25E-05	1.29E-04	1.54E-05	2.05E-05	6.75E-05	4.65E-06
7909	470408.77	3819697.38	0.00024312	1.02E-03	9.19E-05	2.03E-04	7.50E-04	6.60E-05	2.30E-05	1.31E-04	1.57E-05	2.09E-05	6.88E-05	4.74E-06
7910	470399.85	3819700.95	0.00024791	1.04E-03	9.38E-05	2.06E-04	7.65E-04	6.73E-05	2.34E-05	1.34E-04	1.60E-05	2.13E-05	7.02E-05	4.84E-06
7911	470390.94	3819704.51	0.00025283	1.06E-03	9.56E-05	2.11E-04	7.80E-04	6.86E-05	2.39E-05	1.37E-04	1.63E-05	2.17E-05	7.16E-05	4.93E-06
7912	470382.03	3819708.07	0.00025789	1.08E-03	9.75E-05	2.15E-04	7.96E-04	7.00E-05	2.44E-05	1.39E-04	1.66E-05	2.21E-05	7.30E-05	5.03E-06
7913	470373.12	3819711.63	0.00026305	1.10E-03	9.95E-05	2.19E-04	8.12E-04	7.14E-05	2.48E-05	1.42E-04	1.70E-05	2.26E-05	7.45E-05	5.13E-06
7914	470364.2	3819715.19	0.00026829	1.13E-03	1.01E-04	2.23E-04	8.28E-04	7.28E-05	2.53E-05	1.45E-04	1.73E-05	2.30E-05	7.59E-05	5.23E-06
7915	470355.29	3819718.75	0.00027354	1.15E-03	1.03E-04	2.28E-04	8.44E-04	7.43E-05	2.58E-05	1.48E-04	1.76E-05	2.35E-05	7.74E-05	5.34E-06
7916	470346.38	3819722.31	0.00027879	1.17E-03	1.05E-04	2.32E-04	8.60E-04	7.57E-05	2.63E-05	1.51E-04	1.80E-05	2.39E-05	7.89E-05	5.44E-06
7917	470337.46	3819725.87	0.00028399	1.19E-03	1.07E-04	2.37E-04	8.76E-04	7.71E-05	2.68E-05	1.54E-04	1.83E-05	2.44E-05	8.04E-05	5.54E-06
7918	470328.55	3819729.43	0.00028907	1.21E-03	1.09E-04	2.41E-04	8.92E-04	7.85E-05	2.73E-05	1.56E-04	1.86E-05	2.48E-05	8.18E-05	5.64E-06
7919	470319.64	3819733	0.00029398	1.23E-03	1.11E-04	2.45E-04	9.07E-04	7.98E-05	2.78E-05	1.59E-04	1.90E-05	2.52E-05	8.32E-05	5.74E-06
7920	470310.73	3819736.56	0.00029889	1.26E-03	1.13E-04	2.49E-04	9.22E-04	8.11E-05	2.82E-05	1.62E-04	1.93E-05	2.57E-05	8.46E-05	5.83E-06
7921	470301.81	3819740.12	0.00030353	1.27E-03	1.15E-04	2.53E-04	9.37E-04	8.24E-05	2.87E-05	1.64E-04	1.96E-05	2.61E-05	8.59E-05	5.92E-06
7922	470580.4	3819318.33	0.00022503	9.45E-04	8.51E-05	1.87E-04	6.94E-04	6.11E-05	2.12E-05	1.22E-04	1.45E-05	1.93E-05	6.37E-05	4.39E-06
7923	470580.48	3819308.68	0.0002189	9.19E-04	8.28E-05	1.82E-04	6.76E-04	5.94E-05	2.07E-05	1.18E-04	1.41E-05	1.88E-05	6.20E-05	4.27E-06
7924	470580.56	3819299.03	0.00021234	8.92E-04	8.03E-05	1.77E-04	6.55E-04	5.76E-05	2.01E-05	1.15E-04	1.37E-05	1.82E-05	6.01E-05	4.14E-06
7925	470580.65	3819289.38	0.0002054	8.63E-04	7.77E-05	1.71E-04	6.34E-04	5.58E-05	1.94E-05	1.11E-04	1.32E-05	1.76E-05	5.81E-05	4.01E-06
7926	470580.73	3819279.73	0.00019815	8.32E-04	7.49E-05	1.65E-04	6.11E-04	5.38E-05	1.87E-05	1.07E-04	1.28E-05	1.70E-05	5.61E-05	3.87E-06
7927	470580.81	3819270.09	0.00019066	8.01E-04	7.21E-05	1.59E-04	5.88E-04	5.18E-05	1.80E-05	1.03E-04	1.23E-05	1.64E-05	5.40E-05	3.72E-06
7928	470580.89	3819260.44	0.00018296	7.68E-04	6.92E-05	1.52E-04	5.65E-04	4.97E-05	1.73E-05	9.89E-05	1.18E-05	1.57E-05	5.18E-05	3.57E-06
7929	470580.98	3819250.79	0.00017515	7.36E-04	6.62E-05	1.46E-04	5.40E-04	4.75E-05	1.65E-05	9.47E-05	1.13E-05	1.50E-05	4.96E-05	3.42E-06
7930	470581.06	3819241.14	0.00016728	7.02E-04	6.33E-05	1.39E-04	5.16E-04	4.54E-05	1.58E-05	9.04E-05	1.08E-05	1.44E-05	4.74E-05	3.26E-06
7931	470557.13	3819599.57	0.00019988	8.39E-04	7.56E-05	1.66E-04	6.17E-04	5.43E-05	1.89E-05	1.08E-04	1.29E-05	1.72E-05	5.66E-05	3.90E-06
7932	470553.48	3819608.15	0.00019768	8.30E-04	7.48E-05	1.65E-04	6.10E-04	5.37E-05	1.87E-05	1.07E-04	1.28E-05	1.70E-05	5.60E-05	3.86E-06
7933	470549.83	3819616.73	0.00019538	8.20E-04	7.39E-05	1.63E-04	6.03E-04	5.30E-05	1.85E-05	1.06E-04	1.26E-05	1.68E-05	5.53E-05	3.81E-06
7934	470546.17	3819625.31	0.00019299	8.10E-04	7.30E-05	1.61E-04	5.96E-04	5.24E-05	1.82E-05	1.04E-04	1.24E-05	1.66E-05	5.46E-05	3.77E-06
7935	470542.52	3819633.89	0.00019052	8.00E-04	7.21E-05	1.59E-04	5.88E-04	5.17E-05	1.80E-05	1.03E-04	1.23E-05	1.64E-05	5.39E-05	3.72E-06
7936	470538.87	3819642.47	0.00018799	7.89E-04	7.11E-05	1.57E-04	5.80E-04	5.10E-05	1.78E-05	1.02E-04	1.21E-05	1.61E-05	5.32E-05	3.67E-06
7937	470535.21	3819651.04	0.00018539	7.79E-04	7.01E-05	1.54E-04	5.72E-04	5.03E-05	1.75E-05	1.00E-04	1.20E-05	1.59E-05	5.25E-05	3.62E-06
7938	470531.56	3819659.62	0.00018271	7.67E-04	6.91E-05	1.52E-04	5.64E-04	4.96E-05	1.73E-05	9.88E-05	1.18E-05	1.57E-05	5.17E-05	3.57E-06
7939	470527.91	3819668.2	0.00017999	7.56E-04	6.81E-05	1.50E-04	5.55E-04	4.89E-05	1.70E-05	9.73E-05	1.16E-05	1.55E-05	5.09E-05	3.51E-06
7940	470524.25	3819676.78	0.00017727	7.44E-04	6.70E-05	1.48E-04	5.47E-04	4.81E-05	1.67E-05	9.58E-05	1.14E-05	1.52E-05	5.02E-05	3.46E-06
7941	470520.6	3819685.36	0.00017462	7.33E-04	6.60E-05	1.45E-04	5.39E-04	4.74E-05	1.65E-05	9.44E-05	1.13E-05	1.50E-05	4.94E-05	3.41E-06
7942	470508.29	3819697.39	0.00017469	7.34E-04	6.61E-05	1.46E-04	5.39E-04	4.74E-05	1.65E-05	9.44E-05	1.13E-05	1.50E-05	4.94E-05	3.41E-06
7943	470499.63	3819700.85	0.00017741	7.45E-04	6.71E-05	1.48E-04	5.47E-04	4.82E-05	1.68E-05	9.59E-05	1.14E-05	1.52E-05	5.02E-05	3.46E-06
7944	470490.97	3819704.31	0.00018019	7.57E-04	6.81E-05	1.50E-04	5.56E-04	4.89E-05	1.70E-05	9.74E-05	1.16E-05	1.55E-05	5.10E-05	3.52E-06
7945	470482.31	3819707.77	0.00018305	7.69E-04	6.92E-05	1.52E-04	5.65E-04	4.97E-05	1.73E-05	9.90E-05	1.18E-05	1.57E-05	5.18E-05	3.57E-06
7946	470473.66	3819711.23	0.00018601	7.81E-04	7.03E-05	1.55E-04	5.74E-04	5.05E-05	1.76E-05	1.01E-04	1.20E-05	1.60E-05	5.27E-05	3.63E-06
7947	470465	3819714.69	0.00018912	7.94E-04	7.15E-05	1.58E-04	5.84E-04	5.13E-05	1.79E-05	1.02E-04	1.22E-05	1.62E-05	5.35E-05	3.69E-06
7948	470456.34	3819718.15	0.00019234	8.08E-04	7.27E-05	1.60E-04	5.94E-04	5.22E-05	1.82E-05	1.04E-04	1.24E-05	1.65E-05	5.44E-05	3.75E-06
7949	470447.68	3819721.61	0.00019565	8.22E-04	7.40E-05	1.63E-04	6.04E-04	5.31E-05	1.85E-05	1.06E-04	1.26E-05	1.68E-05	5.54E-05	3.82E-06
7950	470439.02	3819725.07	0.00019904	8.36E-04	7.53E-05	1.66E-04	6.14E-04	5.40E-05	1.88E-05	1.08E-04	1.28E-05	1.71E-05	5.63E-05	3.88E-06
7951	470430.36	3819728.53	0.00020252	8.50E-04	7.66E-05	1.69E-04	6.25E-04	5.50E-05	1.91E-05	1.09E-04	1.31E-05	1.74E-05	5.73E-05	3.95E-06
7952	470421.71	3819731.99	0.00020611	8.66E-04	7.79E-05	1.72E-04	6.36E-04	5.60E-05	1.95E-05	1.11E-04	1.33E-05	1.77E-05	5.83E-05	4.02E-06
7953	470413.05	3819735.45	0.00020982	8.81E-04	7.94E-05	1.75E-04	6.47E-04	5.70E-05	1.98E-05	1.13E-04	1.35E-05	1.80E-05	5.94E-05	4.09E-06

7954	470404.39	3819738.91	0.00021364	8.97E-04	8.08E-05	1.78E-04	6.59E-04	5.80E-05	2.02E-05	1.15E-04	1.38E-05	1.83E-05	6.05E-05	4.17E-06
7955	470395.73	3819742.37	0.00021756	9.14E-04	8.23E-05	1.81E-04	6.71E-04	5.91E-05	2.05E-05	1.18E-04	1.40E-05	1.87E-05	6.16E-05	4.25E-06
7956	470387.07	3819745.83	0.00022155	9.30E-04	8.38E-05	1.85E-04	6.84E-04	6.01E-05	2.09E-05	1.20E-04	1.43E-05	1.90E-05	6.27E-05	4.32E-06
7957	470378.42	3819749.28	0.00022559	9.47E-04	8.53E-05	1.88E-04	6.96E-04	6.12E-05	2.13E-05	1.22E-04	1.46E-05	1.94E-05	6.39E-05	4.40E-06
7958	470369.76	3819752.74	0.00022965	9.64E-04	8.69E-05	1.91E-04	7.09E-04	6.23E-05	2.17E-05	1.24E-04	1.48E-05	1.97E-05	6.50E-05	4.48E-06
7959	470361.1	3819756.2	0.00023371	9.81E-04	8.84E-05	1.95E-04	7.21E-04	6.34E-05	2.21E-05	1.26E-04	1.51E-05	2.01E-05	6.62E-05	4.56E-06
7960	470352.44	3819759.66	0.00023773	9.98E-04	8.99E-05	1.98E-04	7.34E-04	6.45E-05	2.24E-05	1.29E-04	1.53E-05	2.04E-05	6.73E-05	4.64E-06
7961	470343.78	3819763.12	0.00024178	1.02E-03	9.14E-05	2.01E-04	7.46E-04	6.56E-05	2.28E-05	1.31E-04	1.56E-05	2.08E-05	6.84E-05	4.72E-06
7962	470335.12	3819766.58	0.00024578	1.03E-03	9.30E-05	2.05E-04	7.58E-04	6.67E-05	2.32E-05	1.33E-04	1.59E-05	2.11E-05	6.96E-05	4.80E-06
7963	470326.47	3819770.04	0.0002496	1.05E-03	9.44E-05	2.08E-04	7.70E-04	6.78E-05	2.36E-05	1.35E-04	1.61E-05	2.14E-05	7.07E-05	4.87E-06
7964	470317.81	3819773.5	0.00025317	1.06E-03	9.57E-05	2.11E-04	7.81E-04	6.87E-05	2.39E-05	1.37E-04	1.63E-05	2.17E-05	7.17E-05	4.94E-06
7965	470309.15	3819776.96	0.00025644	1.08E-03	9.70E-05	2.14E-04	7.91E-04	6.96E-05	2.42E-05	1.39E-04	1.65E-05	2.20E-05	7.26E-05	5.00E-06
7966	470300.49	3819780.42	0.0002595	1.09E-03	9.81E-05	2.16E-04	8.01E-04	7.04E-05	2.45E-05	1.40E-04	1.67E-05	2.23E-05	7.35E-05	5.06E-06
7967	470619.24	3819453.75	0.00020501	8.61E-04	7.75E-05	1.71E-04	6.33E-04	5.57E-05	1.94E-05	1.11E-04	1.32E-05	1.76E-05	5.80E-05	4.00E-06
7968	470619.32	3819444.1	0.00020626	8.66E-04	7.80E-05	1.72E-04	6.36E-04	5.60E-05	1.95E-05	1.12E-04	1.33E-05	1.77E-05	5.84E-05	4.02E-06
7969	470619.4	3819434.45	0.00020714	8.70E-04	7.83E-05	1.73E-04	6.39E-04	5.62E-05	1.96E-05	1.12E-04	1.34E-05	1.78E-05	5.86E-05	4.04E-06
7970	470619.49	3819424.8	0.00020763	8.72E-04	7.85E-05	1.73E-04	6.41E-04	5.64E-05	1.96E-05	1.12E-04	1.34E-05	1.78E-05	5.88E-05	4.05E-06
7971	470619.57	3819415.15	0.00020771	8.72E-04	7.86E-05	1.73E-04	6.41E-04	5.64E-05	1.96E-05	1.12E-04	1.34E-05	1.78E-05	5.88E-05	4.05E-06
7972	470619.65	3819405.5	0.00020734	8.71E-04	7.84E-05	1.73E-04	6.40E-04	5.63E-05	1.96E-05	1.12E-04	1.34E-05	1.78E-05	5.87E-05	4.05E-06
7973	470619.73	3819395.86	0.00020655	8.67E-04	7.81E-05	1.72E-04	6.37E-04	5.61E-05	1.95E-05	1.12E-04	1.33E-05	1.77E-05	5.85E-05	4.03E-06
7974	470619.82	3819386.21	0.0002053	8.62E-04	7.76E-05	1.71E-04	6.34E-04	5.57E-05	1.94E-05	1.11E-04	1.32E-05	1.76E-05	5.81E-05	4.01E-06
7975	470619.9	3819376.56	0.00020359	8.55E-04	7.70E-05	1.70E-04	6.28E-04	5.53E-05	1.92E-05	1.10E-04	1.31E-05	1.75E-05	5.76E-05	3.97E-06
7976	470619.98	3819366.91	0.00020144	8.46E-04	7.62E-05	1.68E-04	6.22E-04	5.47E-05	1.90E-05	1.09E-04	1.30E-05	1.73E-05	5.70E-05	3.93E-06
7977	470620.06	3819357.26	0.00019883	8.35E-04	7.52E-05	1.66E-04	6.14E-04	5.40E-05	1.88E-05	1.07E-04	1.28E-05	1.71E-05	5.63E-05	3.88E-06
7978	470620.15	3819347.62	0.00019579	8.22E-04	7.40E-05	1.63E-04	6.04E-04	5.31E-05	1.85E-05	1.06E-04	1.26E-05	1.68E-05	5.54E-05	3.82E-06
7979	470620.23	3819337.97	0.00019233	8.08E-04	7.27E-05	1.60E-04	5.93E-04	5.22E-05	1.82E-05	1.04E-04	1.24E-05	1.65E-05	5.44E-05	3.75E-06
7980	470620.31	3819328.32	0.00018846	7.91E-04	7.13E-05	1.57E-04	5.82E-04	5.12E-05	1.78E-05	1.02E-04	1.22E-05	1.62E-05	5.33E-05	3.68E-06
7981	470655.55	3819462.75	0.00017326	7.28E-04	6.55E-05	1.44E-04	5.35E-04	4.70E-05	1.64E-05	9.37E-05	1.12E-05	1.49E-05	4.90E-05	3.38E-06
7982	470651.86	3819471.41	0.00017484	7.34E-04	6.61E-05	1.46E-04	5.40E-04	4.75E-05	1.65E-05	9.45E-05	1.13E-05	1.50E-05	4.95E-05	3.41E-06
7983	470648.17	3819480.07	0.0001762	7.40E-04	6.66E-05	1.47E-04	5.44E-04	4.78E-05	1.66E-05	9.53E-05	1.14E-05	1.51E-05	4.99E-05	3.44E-06
7984	470644.48	3819488.73	0.0001773	7.45E-04	6.71E-05	1.48E-04	5.47E-04	4.81E-05	1.67E-05	9.59E-05	1.14E-05	1.52E-05	5.02E-05	3.46E-06
7985	470640.8	3819497.39	0.00017816	7.48E-04	6.74E-05	1.48E-04	5.50E-04	4.84E-05	1.68E-05	9.63E-05	1.15E-05	1.53E-05	5.04E-05	3.48E-06
7986	470637.11	3819506.05	0.0001788	7.51E-04	6.76E-05	1.49E-04	5.52E-04	4.85E-05	1.69E-05	9.67E-05	1.15E-05	1.53E-05	5.06E-05	3.49E-06
7987	470633.42	3819514.71	0.00017921	7.53E-04	6.78E-05	1.49E-04	5.53E-04	4.86E-05	1.69E-05	9.69E-05	1.16E-05	1.54E-05	5.07E-05	3.50E-06
7988	470567.04	3819670.58	0.00015828	6.65E-04	5.99E-05	1.32E-04	4.88E-04	4.30E-05	1.49E-05	8.56E-05	1.02E-05	1.36E-05	4.48E-05	3.09E-06
7989	470563.35	3819679.24	0.00015622	6.56E-04	5.91E-05	1.30E-04	4.82E-04	4.24E-05	1.48E-05	8.45E-05	1.01E-05	1.34E-05	4.42E-05	3.05E-06
7990	470559.66	3819687.9	0.00015418	6.48E-04	5.83E-05	1.28E-04	4.76E-04	4.19E-05	1.46E-05	8.34E-05	9.95E-06	1.32E-05	4.36E-05	3.01E-06
7991	470555.98	3819696.56	0.00015212	6.39E-04	5.75E-05	1.27E-04	4.69E-04	4.13E-05	1.44E-05	8.22E-05	9.81E-06	1.31E-05	4.31E-05	2.97E-06
7992	470552.29	3819705.22	0.00015005	6.30E-04	5.67E-05	1.25E-04	4.63E-04	4.07E-05	1.42E-05	8.11E-05	9.68E-06	1.29E-05	4.25E-05	2.93E-06
7993	470548.6	3819713.88	0.00014798	6.21E-04	5.60E-05	1.23E-04	4.57E-04	4.02E-05	1.40E-05	8.00E-05	9.55E-06	1.27E-05	4.19E-05	2.89E-06
7994	470536.17	3819726.03	0.00014803	6.22E-04	5.60E-05	1.23E-04	4.57E-04	4.02E-05	1.40E-05	8.00E-05	9.55E-06	1.27E-05	4.19E-05	2.89E-06
7995	470527.43	3819729.52	0.00015016	6.31E-04	5.68E-05	1.25E-04	4.63E-04	4.08E-05	1.42E-05	8.12E-05	9.69E-06	1.29E-05	4.25E-05	2.93E-06
7996	470518.69	3819733.01	0.00015233	6.40E-04	5.76E-05	1.27E-04	4.70E-04	4.14E-05	1.44E-05	8.23E-05	9.83E-06	1.31E-05	4.31E-05	2.97E-06
7997	470509.95	3819736.5	0.00015454	6.49E-04	5.84E-05	1.29E-04	4.77E-04	4.20E-05	1.46E-05	8.35E-05	9.97E-06	1.33E-05	4.37E-05	3.02E-06
7998	470501.21	3819740	0.00015684	6.59E-04	5.93E-05	1.31E-04	4.84E-04	4.26E-05	1.48E-05	8.48E-05	1.01E-05	1.35E-05	4.44E-05	3.06E-06
7999	470492.47	3819743.49	0.00015927	6.69E-04	6.02E-05	1.33E-04	4.91E-04	4.32E-05	1.50E-05	8.61E-05	1.03E-05	1.37E-05	4.51E-05	3.11E-06
8000	470483.73	3819746.98	0.00016176	6.79E-04	6.12E-05	1.35E-04	4.99E-04	4.39E-05	1.53E-05	8.74E-05	1.04E-05	1.39E-05	4.58E-05	3.16E-06
8001	470474.99	3819750.47	0.00016432	6.90E-04	6.21E-05	1.37E-04	5.07E-04	4.46E-05	1.55E-05	8.88E-05	1.06E-05	1.41E-05	4.65E-05	3.21E-06
8002	470466.25	3819753.97	0.00016694	7.01E-04	6.31E-05	1.39E-04	5.15E-04	4.53E-05	1.58E-05	9.02E-05	1.08E-05	1.43E-05	4.73E-05	3.26E-06
8003	470457.51	3819757.46	0.00016965	7.12E-04	6.42E-05	1.41E-04	5.24E-04	4.61E-05	1.60E-05	9.17E-05	1.09E-05	1.46E-05	4.80E-05	3.31E-06
8004	470448.77	3819760.95	0.00017245	7.24E-04	6.52E-05	1.44E-04	5.32E-04	4.68E-05	1.63E-05	9.32E-05	1.11E-05	1.48E-05	4.88E-05	3.37E-06
8005	470440.03	3819764.44	0.00017536	7.36E-04	6.63E-05	1.46E-04	5.41E-04	4.76E-05	1.66E-05	9.48E-05	1.13E-05	1.51E-05	4.96E-05	3.42E-06
8006	470431.29	3819767.93	0.00017838	7.49E-04	6.75E-05	1.49E-04	5.50E-04	4.84E-05	1.68E-05	9.64E-05	1.15E-05	1.53E-05	5.05E-05	3.48E-06
8007	470422.55	3819771.43	0.00018147	7.62E-04	6.86E-05	1.51E-04	5.60E-04	4.93E-05	1.71E-05	9.81E-05	1.17E-05	1.56E-05	5.14E-05	3.54E-06
8008	470413.81	3819774.92	0.00018465	7.75E-04	6.98E-05	1.54E-04	5.70E-04	5.01E-05	1.74E-05	9.98E-05	1.19E-05	1.59E-05	5.23E-05	3.60E-06
8009	470405.07	3819778.41	0.0001879	7.89E-04	7.11E-05	1.57E-04	5.80E-04	5.10E-05	1.77E-05	1.02E-04	1.21E-05	1.61E-05	5.32E-05	3.67E-06
8010	470396.33	3819781.9	0.0001912	8.03E-04	7.23E-05	1.59E-04	5.90E-04	5.19E-05	1.81E-05	1.03E-04	1.23E-05	1.64E-05	5.41E-05	3.73E-06
8011	470387.59	3819785.39	0.00019452	8.17E-04	7.36E-05	1.62E-04	6.00E-04	5.28E-05	1.84E-05	1.05E-04	1.25E-05	1.67E-05	5.51E-05	3.80E-06
8012	470378.84	3819788.89	0.00019786	8.31E-04	7.48E-05	1.65E-04	6.11E-04	5.37E-05	1.87E-05	1.07E-04	1.28E-05	1.70E-05	5.60E-05	3.86E-06
8013	470370.1	3819792.38	0.00020127	8.45E-04	7.61E-05	1.68E-04	6.21E-04	5.46E-05	1.90E-05	1.09E-04	1.30E-05	1.73E-05	5.70E-05	3.93E-06
8014	470361.36	3819795.87	0.00020465	8.59E-04	7.74E-05	1.70E-04	6.32E-04	5.56E-05	1.93E-05	1.11E-04	1.32E-05	1.76E-05	5.79E-05	3.99E-06
8015	470352.62	3819799.36	0.00020793	8.73E-04	7.86E-05	1.73E-04	6.42E-04	5.64E-05	1.96E-05	1.12E-04	1.34E-05	1.79E-05	5.89E-05	4.06E-06
8016	470343.88	3819802.86	0.00021098	8.86E-04	7.98E-05	1.76E-04	6.51E-04	5.73E-05	1.99E-05	1.14E-04	1.36E-05	1.81E-05	5.97E-05	4.12E-06
8017	470335.14	3819806.35	0.0002139	8.98E-04	8.09E-05	1.78E-04	6.60E-04	5.81E-05	2.02E-05	1.16E-04	1.38E-05	1.84E-05	6.05E-05	4.17E-06
8018	470326.4	3819809.84	0.00021671	9.10E-04	8.20E-05	1.81E-04	6.69E-04	5.88E-05	2.05E-05	1.17E-04	1.40E-05	1.86E-05	6.13E-05	4.23E-06
8019	470317.66	3819813.33	0.0002194	9.21E-04	8.30E-05	1.83E-04	6.77E-04	5.96E-05	2.07E-05	1.19E-04	1.42E-05	1.88E-05	6.21E-05	4.28E-06
8020	470308.92	3819816.82	0.00022198	9.32E-04	8.40E-05	1.85E-04	6.85E-04	6.03E-05	2.10E-05	1.20E-04	1.43E-05	1.91E-05	6.28E-05	4.33E-06
8021	470300.18	3819820.32	0.00022437	9.42E-04	8.49E-05	1.87E-04	6.92E-04	6.09E-05	2.12E-05	1.21E-04	1.45E-05	1.93E-05	6.35E-05	4.38E-06
8022	470659.24	3819454.09	0.00017145	7.20E-04	6.48E-05	1.43E-04	5.29E-04	4.65E-05	1.62E-05	9.27E-05	1.11E-05	1.47E-05	4.85E-05	3.35E-06
8023	470659.32	3819444.44	0.00017215	7.23E-04	6.51E-05	1.43E-04	5.31E-04	4.67E-05	1.63E-05	9.31E-05	1.11E-05	1.48E-05	4.87E-05	3.36E-06
8024	470659.4	3819434.79	0.00017258	7.25E-04	6.53E-05	1.44E-04	5.33E-04	4.68E-05	1.63E-05	9.33E-05	1.11E-05	1.48E-05	4.89E-05	3.37E-06
8025	470659.48	3819425.14	0.00017271	7.25E-04	6.53E-05	1.44E-04	5.33E-04	4.69E-05	1.63E-05	9.34E-05	1.11E-05	1.48E-05	4.89E-05	3.37E-06
8026	470659.57	3819415.5	0.00017254	7.25E-04	6.53E-05	1.44E-04	5.32E-04	4.68E-05	1.63E-05	9.33E-05	1.11E-05	1.48E-05	4.88E-05	3.37E-06

8027	470659.65	3819405.85	0.00017206	7.23E-04	6.51E-05	1.43E-04	5.31E-04	4.67E-05	1.62E-05	9.30E-05	1.11E-05	1.48E-05	4.87E-05	3.36E-06
8028	470660.31	3819328.66	0.0001568	6.58E-04	5.93E-05	1.31E-04	4.84E-04	4.26E-05	1.48E-05	8.48E-05	1.01E-05	1.35E-05	4.44E-05	3.06E-06
8029	470660.39	3819319.01	0.00015354	6.45E-04	5.81E-05	1.28E-04	4.74E-04	4.17E-05	1.45E-05	8.30E-05	9.90E-06	1.32E-05	4.35E-05	3.00E-06
8030	470660.48	3819309.37	0.00015003	6.30E-04	5.67E-05	1.25E-04	4.63E-04	4.07E-05	1.42E-05	8.11E-05	9.68E-06	1.29E-05	4.25E-05	2.93E-06
8031	470660.56	3819299.72	0.00014628	6.14E-04	5.53E-05	1.22E-04	4.51E-04	3.97E-05	1.38E-05	7.91E-05	9.44E-06	1.26E-05	4.14E-05	2.85E-06
8032	470660.64	3819290.07	0.00014233	5.98E-04	5.38E-05	1.19E-04	4.39E-04	3.86E-05	1.34E-05	7.69E-05	9.18E-06	1.22E-05	4.03E-05	2.78E-06
8033	470660.73	3819280.42	0.00013819	5.80E-04	5.23E-05	1.15E-04	4.26E-04	3.75E-05	1.30E-05	7.47E-05	8.91E-06	1.19E-05	3.91E-05	2.70E-06
8034	470660.81	3819270.77	0.00013391	5.62E-04	5.06E-05	1.12E-04	4.13E-04	3.64E-05	1.26E-05	7.24E-05	8.64E-06	1.15E-05	3.79E-05	2.61E-06
8035	470660.89	3819261.12	0.00012949	5.44E-04	4.90E-05	1.08E-04	4.00E-04	3.52E-05	1.22E-05	7.00E-05	8.35E-06	1.11E-05	3.67E-05	2.53E-06
8036	470660.97	3819251.48	0.00012497	5.25E-04	4.73E-05	1.04E-04	3.86E-04	3.39E-05	1.18E-05	6.76E-05	8.06E-06	1.07E-05	3.54E-05	2.44E-06
8037	470661.06	3819241.83	0.00012037	5.06E-04	4.55E-05	1.00E-04	3.71E-04	3.27E-05	1.14E-05	6.51E-05	7.76E-06	1.03E-05	3.41E-05	2.35E-06
8038	470695.52	3819463.16	0.00014686	6.17E-04	5.55E-05	1.22E-04	4.53E-04	3.99E-05	1.39E-05	7.94E-05	9.47E-06	1.26E-05	4.16E-05	2.87E-06
8039	470691.8	3819471.88	0.00014831	6.23E-04	5.61E-05	1.24E-04	4.58E-04	4.03E-05	1.40E-05	8.02E-05	9.57E-06	1.27E-05	4.20E-05	2.89E-06
8040	470688.09	3819480.61	0.00014958	6.28E-04	5.66E-05	1.25E-04	4.62E-04	4.06E-05	1.41E-05	8.09E-05	9.65E-06	1.28E-05	4.23E-05	2.92E-06
8041	470684.37	3819489.34	0.00015069	6.33E-04	5.70E-05	1.26E-04	4.65E-04	4.09E-05	1.42E-05	8.15E-05	9.72E-06	1.29E-05	4.27E-05	2.94E-06
8042	470680.65	3819498.06	0.00015161	6.37E-04	5.73E-05	1.26E-04	4.68E-04	4.12E-05	1.43E-05	8.20E-05	9.78E-06	1.30E-05	4.29E-05	2.96E-06
8043	470676.94	3819506.79	0.00015235	6.40E-04	5.76E-05	1.27E-04	4.70E-04	4.14E-05	1.44E-05	8.24E-05	9.83E-06	1.31E-05	4.31E-05	2.97E-06
8044	470673.22	3819515.52	0.00015292	6.42E-04	5.78E-05	1.27E-04	4.72E-04	4.15E-05	1.44E-05	8.27E-05	9.86E-06	1.31E-05	4.33E-05	2.98E-06
8045	470669.5	3819524.24	0.00015332	6.44E-04	5.80E-05	1.28E-04	4.73E-04	4.16E-05	1.45E-05	8.29E-05	9.89E-06	1.32E-05	4.34E-05	2.99E-06
8046	470665.79	3819532.97	0.00015353	6.45E-04	5.81E-05	1.28E-04	4.74E-04	4.17E-05	1.45E-05	8.30E-05	9.90E-06	1.32E-05	4.35E-05	3.00E-06
8047	470662.07	3819541.7	0.0001536	6.45E-04	5.81E-05	1.28E-04	4.74E-04	4.17E-05	1.45E-05	8.30E-05	9.91E-06	1.32E-05	4.35E-05	3.00E-06
8048	470658.35	3819550.42	0.0001535	6.45E-04	5.81E-05	1.28E-04	4.74E-04	4.17E-05	1.45E-05	8.30E-05	9.90E-06	1.32E-05	4.35E-05	3.00E-06
8049	470654.64	3819559.15	0.00015325	6.44E-04	5.80E-05	1.28E-04	4.73E-04	4.16E-05	1.45E-05	8.28E-05	9.88E-06	1.32E-05	4.34E-05	2.99E-06
8050	470650.92	3819567.88	0.00015285	6.42E-04	5.78E-05	1.27E-04	4.72E-04	4.15E-05	1.44E-05	8.26E-05	9.86E-06	1.31E-05	4.33E-05	2.98E-06
8051	470555.26	3819758.17	0.00012884	5.41E-04	4.87E-05	1.07E-04	3.98E-04	3.50E-05	1.22E-05	6.97E-05	8.31E-06	1.11E-05	3.65E-05	2.51E-06
8052	470546.45	3819761.69	0.00013056	5.48E-04	4.94E-05	1.09E-04	4.03E-04	3.54E-05	1.23E-05	7.06E-05	8.42E-06	1.12E-05	3.70E-05	2.55E-06
8053	470537.64	3819765.21	0.00013231	5.56E-04	5.00E-05	1.10E-04	4.08E-04	3.59E-05	1.25E-05	7.15E-05	8.53E-06	1.14E-05	3.75E-05	2.58E-06
8054	470528.84	3819768.73	0.00013413	5.63E-04	5.07E-05	1.12E-04	4.14E-04	3.64E-05	1.27E-05	7.25E-05	8.65E-06	1.15E-05	3.80E-05	2.62E-06
8055	470520.03	3819772.25	0.00013605	5.71E-04	5.15E-05	1.13E-04	4.20E-04	3.69E-05	1.28E-05	7.35E-05	8.78E-06	1.17E-05	3.85E-05	2.65E-06
8056	470511.22	3819775.77	0.00013802	5.80E-04	5.22E-05	1.15E-04	4.26E-04	3.75E-05	1.30E-05	7.46E-05	8.90E-06	1.18E-05	3.91E-05	2.69E-06
8057	470502.41	3819779.29	0.00014003	5.88E-04	5.30E-05	1.17E-04	4.32E-04	3.80E-05	1.32E-05	7.57E-05	9.03E-06	1.20E-05	3.96E-05	2.73E-06
8058	470493.6	3819782.81	0.00014209	5.97E-04	5.37E-05	1.18E-04	4.38E-04	3.86E-05	1.34E-05	7.68E-05	9.16E-06	1.22E-05	4.02E-05	2.77E-06
8059	470484.8	3819786.33	0.00014422	6.06E-04	5.45E-05	1.20E-04	4.45E-04	3.91E-05	1.36E-05	7.80E-05	9.30E-06	1.24E-05	4.08E-05	2.81E-06
8060	470475.99	3819789.85	0.00014643	6.15E-04	5.54E-05	1.22E-04	4.52E-04	3.98E-05	1.38E-05	7.92E-05	9.45E-06	1.26E-05	4.14E-05	2.86E-06
8061	470467.18	3819793.37	0.00014874	6.25E-04	5.63E-05	1.24E-04	4.59E-04	4.04E-05	1.40E-05	8.04E-05	9.59E-06	1.28E-05	4.21E-05	2.90E-06
8062	470458.37	3819796.89	0.00015113	6.35E-04	5.72E-05	1.26E-04	4.66E-04	4.10E-05	1.43E-05	8.17E-05	9.75E-06	1.30E-05	4.28E-05	2.95E-06
8063	470449.56	3819800.41	0.00015361	6.45E-04	5.81E-05	1.28E-04	4.74E-04	4.17E-05	1.45E-05	8.30E-05	9.91E-06	1.32E-05	4.35E-05	3.00E-06
8064	470440.76	3819803.92	0.00015617	6.56E-04	5.91E-05	1.30E-04	4.82E-04	4.24E-05	1.47E-05	8.44E-05	1.01E-05	1.34E-05	4.42E-05	3.05E-06
8065	470431.95	3819807.44	0.00015882	6.67E-04	6.01E-05	1.32E-04	4.90E-04	4.31E-05	1.50E-05	8.59E-05	1.02E-05	1.36E-05	4.50E-05	3.10E-06
8066	470423.14	3819810.96	0.00016155	6.78E-04	6.11E-05	1.35E-04	4.99E-04	4.39E-05	1.53E-05	8.73E-05	1.04E-05	1.39E-05	4.57E-05	3.15E-06
8067	470414.33	3819814.48	0.00016435	6.90E-04	6.22E-05	1.37E-04	5.07E-04	4.46E-05	1.55E-05	8.88E-05	1.06E-05	1.41E-05	4.65E-05	3.21E-06
8068	470405.52	3819818	0.00016716	7.02E-04	6.32E-05	1.39E-04	5.16E-04	4.54E-05	1.58E-05	9.04E-05	1.08E-05	1.44E-05	4.73E-05	3.26E-06
8069	470396.72	3819821.52	0.00016995	7.14E-04	6.43E-05	1.42E-04	5.24E-04	4.61E-05	1.60E-05	9.19E-05	1.10E-05	1.46E-05	4.81E-05	3.32E-06
8070	470387.91	3819825.04	0.00017275	7.25E-04	6.53E-05	1.44E-04	5.33E-04	4.69E-05	1.63E-05	9.34E-05	1.11E-05	1.48E-05	4.89E-05	3.37E-06
8071	470379.1	3819828.56	0.00017547	7.37E-04	6.64E-05	1.46E-04	5.41E-04	4.76E-05	1.66E-05	9.49E-05	1.13E-05	1.51E-05	4.97E-05	3.42E-06
8072	470370.29	3819832.08	0.0001781	7.48E-04	6.74E-05	1.48E-04	5.50E-04	4.83E-05	1.68E-05	9.63E-05	1.15E-05	1.53E-05	5.04E-05	3.48E-06
8073	470361.48	3819835.6	0.00018066	7.59E-04	6.83E-05	1.50E-04	5.57E-04	4.90E-05	1.71E-05	9.77E-05	1.17E-05	1.55E-05	5.11E-05	3.53E-06
8074	470352.68	3819839.12	0.00018315	7.69E-04	6.93E-05	1.53E-04	5.65E-04	4.97E-05	1.73E-05	9.90E-05	1.18E-05	1.57E-05	5.18E-05	3.57E-06
8075	470343.87	3819842.64	0.0001856	7.79E-04	7.02E-05	1.55E-04	5.73E-04	5.04E-05	1.75E-05	1.00E-04	1.20E-05	1.59E-05	5.25E-05	3.62E-06
8076	470335.06	3819846.15	0.00018796	7.89E-04	7.11E-05	1.57E-04	5.80E-04	5.10E-05	1.77E-05	1.02E-04	1.21E-05	1.61E-05	5.32E-05	3.67E-06
8077	470326.25	3819849.67	0.0001902	7.99E-04	7.19E-05	1.58E-04	5.87E-04	5.16E-05	1.80E-05	1.03E-04	1.23E-05	1.63E-05	5.38E-05	3.71E-06
8078	470317.44	3819853.19	0.00019231	8.08E-04	7.27E-05	1.60E-04	5.93E-04	5.22E-05	1.82E-05	1.04E-04	1.24E-05	1.65E-05	5.44E-05	3.75E-06
8079	470308.64	3819856.71	0.00019427	8.16E-04	7.35E-05	1.62E-04	5.99E-04	5.27E-05	1.83E-05	1.05E-04	1.25E-05	1.67E-05	5.50E-05	3.79E-06
8080	470299.83	3819860.23	0.00019608	8.23E-04	7.42E-05	1.63E-04	6.05E-04	5.32E-05	1.85E-05	1.06E-04	1.26E-05	1.68E-05	5.55E-05	3.83E-06
8081	470699.23	3819454.43	0.00014525	6.10E-04	5.49E-05	1.21E-04	4.48E-04	3.94E-05	1.37E-05	7.85E-05	9.37E-06	1.25E-05	4.11E-05	2.83E-06
8082	470699.32	3819444.78	0.00014561	6.11E-04	5.51E-05	1.21E-04	4.49E-04	3.95E-05	1.38E-05	7.87E-05	9.39E-06	1.25E-05	4.12E-05	2.84E-06
8083	470699.81	3819386.89	0.00014321	6.01E-04	5.42E-05	1.19E-04	4.42E-04	3.89E-05	1.35E-05	7.74E-05	9.24E-06	1.23E-05	4.05E-05	2.79E-06
8084	470699.9	3819377.25	0.00014199	5.96E-04	5.37E-05	1.18E-04	4.38E-04	3.85E-05	1.34E-05	7.68E-05	9.16E-06	1.22E-05	4.02E-05	2.77E-06
8085	470699.98	3819367.6	0.00014054	5.90E-04	5.31E-05	1.17E-04	4.34E-04	3.81E-05	1.33E-05	7.60E-05	9.06E-06	1.21E-05	3.98E-05	2.74E-06
8086	470700.06	3819357.95	0.00013885	5.83E-04	5.25E-05	1.16E-04	4.28E-04	3.77E-05	1.31E-05	7.51E-05	8.96E-06	1.19E-05	3.93E-05	2.71E-06
8087	470700.14	3819348.3	0.00013693	5.75E-04	5.18E-05	1.14E-04	4.23E-04	3.72E-05	1.29E-05	7.40E-05	8.83E-06	1.18E-05	3.88E-05	2.67E-06
8088	470700.23	3819338.65	0.00013479	5.66E-04	5.10E-05	1.12E-04	4.16E-04	3.66E-05	1.27E-05	7.29E-05	8.69E-06	1.16E-05	3.82E-05	2.63E-06
8089	470700.31	3819329	0.00013244	5.56E-04	5.01E-05	1.10E-04	4.09E-04	3.60E-05	1.25E-05	7.16E-05	8.54E-06	1.14E-05	3.75E-05	2.58E-06
8090	470700.39	3819319.36	0.00012989	5.46E-04	4.91E-05	1.08E-04	4.01E-04	3.53E-05	1.23E-05	7.02E-05	8.38E-06	1.12E-05	3.68E-05	2.53E-06
8091	470700.48	3819309.71	0.00012714	5.34E-04	4.81E-05	1.06E-04	3.92E-04	3.45E-05	1.20E-05	6.87E-05	8.20E-06	1.09E-05	3.60E-05	2.48E-06
8092	470700.56	3819300.06	0.00012421	5.22E-04	4.70E-05	1.03E-04	3.83E-04	3.37E-05	1.17E-05	6.71E-05	8.01E-06	1.07E-05	3.52E-05	2.42E-06
8093	470700.64	3819290.41	0.00012112	5.09E-04	4.58E-05	1.01E-04	3.74E-04	3.29E-05	1.14E-05	6.55E-05	7.81E-06	1.04E-05	3.43E-05	2.36E-06
8094	470700.72	3819280.76	0.00011789	4.95E-04	4.46E-05	9.82E-05	3.64E-04	3.20E-05	1.11E-05	6.37E-05	7.60E-06	1.01E-05	3.34E-05	2.30E-06
8095	470700.81	3819271.12	0.00011455	4.81E-04	4.33E-05	9.54E-05	3.53E-04	3.11E-05	1.08E-05	6.19E-05	7.39E-06	9.83E-06	3.24E-05	2.24E-06
8096	470700.89	3819261.47	0.0001111	4.67E-04	4.20E-05	9.25E-05	3.43E-04	3.02E-05	1.05E-05	6.01E-05	7.17E-06	9.54E-06	3.14E-05	2.17E-06
8097	470700.97	3819251.82	0.00010756	4.52E-04	4.07E-05	8.96E-05	3.32E-04	2.92E-05	1.02E-05	5.81E-05	6.94E-06	9.23E-06	3.04E-05	2.10E-06
8098	470701.05	3819242.17	0.00010395	4.37E-04	3.93E-05	8.66E-05	3.21E-04	2.82E-05	9.82E-06	5.62E-05	6.70E-06	8.92E-06	2.94E-05	2.03E-06
8099	470728.01	3819481.12	0.00012834	5.39E-04	4.85E-05	1.07E-04	3.96E-04	3.48E-05	1.21E-05	6.94E-05	8.28E-06	1.10E-05	3.63E-05	2.50E-06

8100	470724.27	3819489.91	0.00012938	5.43E-04	4.89E-05	1.08E-04	3.99E-04	3.51E-05	1.22E-05	6.99E-05	8.35E-06	1.11E-05	3.66E-05	2.52E-06
8101	470720.53	3819498.69	0.0001303	5.47E-04	4.93E-05	1.09E-04	4.02E-04	3.54E-05	1.23E-05	7.04E-05	8.40E-06	1.12E-05	3.69E-05	2.54E-06
8102	470716.79	3819507.47	0.00013108	5.50E-04	4.96E-05	1.09E-04	4.04E-04	3.56E-05	1.24E-05	7.09E-05	8.45E-06	1.13E-05	3.71E-05	2.56E-06
8103	470713.05	3819516.25	0.00013172	5.53E-04	4.98E-05	1.10E-04	4.06E-04	3.58E-05	1.24E-05	7.12E-05	8.50E-06	1.13E-05	3.73E-05	2.57E-06
8104	470709.31	3819525.04	0.00013223	5.55E-04	5.00E-05	1.10E-04	4.08E-04	3.59E-05	1.25E-05	7.15E-05	8.53E-06	1.14E-05	3.74E-05	2.58E-06
8105	470705.57	3819533.82	0.0001326	5.57E-04	5.01E-05	1.10E-04	4.09E-04	3.60E-05	1.25E-05	7.17E-05	8.55E-06	1.14E-05	3.75E-05	2.59E-06
8106	470701.83	3819542.6	0.00013284	5.58E-04	5.02E-05	1.11E-04	4.10E-04	3.61E-05	1.25E-05	7.18E-05	8.57E-06	1.14E-05	3.76E-05	2.59E-06
8107	470698.09	3819551.38	0.00013295	5.58E-04	5.03E-05	1.11E-04	4.10E-04	3.61E-05	1.26E-05	7.19E-05	8.58E-06	1.14E-05	3.76E-05	2.59E-06
8108	470694.35	3819560.17	0.00013294	5.58E-04	5.03E-05	1.11E-04	4.10E-04	3.61E-05	1.26E-05	7.19E-05	8.58E-06	1.14E-05	3.76E-05	2.59E-06
8109	470690.61	3819568.95	0.00013281	5.58E-04	5.02E-05	1.11E-04	4.10E-04	3.61E-05	1.25E-05	7.18E-05	8.57E-06	1.14E-05	3.76E-05	2.59E-06
8110	470686.87	3819577.73	0.00013257	5.57E-04	5.01E-05	1.10E-04	4.09E-04	3.60E-05	1.25E-05	7.17E-05	8.55E-06	1.14E-05	3.75E-05	2.59E-06
8111	470683.13	3819586.52	0.00013222	5.55E-04	5.00E-05	1.10E-04	4.08E-04	3.59E-05	1.25E-05	7.15E-05	8.53E-06	1.14E-05	3.74E-05	2.58E-06
8112	470679.39	3819595.3	0.00013178	5.53E-04	4.98E-05	1.10E-04	4.07E-04	3.58E-05	1.24E-05	7.12E-05	8.50E-06	1.13E-05	3.73E-05	2.57E-06
8113	470675.65	3819604.08	0.00013123	5.51E-04	4.96E-05	1.09E-04	4.05E-04	3.56E-05	1.24E-05	7.09E-05	8.46E-06	1.13E-05	3.71E-05	2.56E-06
8114	470529.92	3819808.07	0.00012082	5.07E-04	4.57E-05	1.01E-04	3.73E-04	3.28E-05	1.14E-05	6.53E-05	7.79E-06	1.04E-05	3.42E-05	2.36E-06
8115	470521.06	3819811.61	0.00012245	5.14E-04	4.63E-05	1.02E-04	3.78E-04	3.32E-05	1.16E-05	6.62E-05	7.90E-06	1.05E-05	3.47E-05	2.39E-06
8116	470512.19	3819815.16	0.00012415	5.21E-04	4.70E-05	1.03E-04	3.83E-04	3.37E-05	1.17E-05	6.71E-05	8.01E-06	1.07E-05	3.51E-05	2.42E-06
8117	470503.33	3819818.7	0.00012592	5.29E-04	4.76E-05	1.05E-04	3.89E-04	3.42E-05	1.19E-05	6.81E-05	8.12E-06	1.08E-05	3.56E-05	2.46E-06
8118	470494.46	3819822.24	0.00012777	5.37E-04	4.83E-05	1.06E-04	3.94E-04	3.47E-05	1.21E-05	6.91E-05	8.24E-06	1.10E-05	3.62E-05	2.49E-06
8119	470485.6	3819825.78	0.00012969	5.45E-04	4.90E-05	1.08E-04	4.00E-04	3.52E-05	1.22E-05	7.01E-05	8.37E-06	1.11E-05	3.67E-05	2.53E-06
8120	470476.73	3819829.32	0.00013169	5.53E-04	4.98E-05	1.10E-04	4.06E-04	3.57E-05	1.24E-05	7.12E-05	8.49E-06	1.13E-05	3.73E-05	2.57E-06
8121	470467.87	3819832.86	0.00013376	5.62E-04	5.06E-05	1.11E-04	4.13E-04	3.63E-05	1.26E-05	7.23E-05	8.63E-06	1.15E-05	3.79E-05	2.61E-06
8122	470459.01	3819836.41	0.00013589	5.71E-04	5.14E-05	1.13E-04	4.19E-04	3.69E-05	1.28E-05	7.35E-05	8.77E-06	1.17E-05	3.85E-05	2.65E-06
8123	470450.14	3819839.95	0.00013809	5.80E-04	5.22E-05	1.15E-04	4.26E-04	3.75E-05	1.30E-05	7.47E-05	8.91E-06	1.19E-05	3.91E-05	2.69E-06
8124	470441.28	3819843.49	0.00014035	5.89E-04	5.31E-05	1.17E-04	4.33E-04	3.81E-05	1.33E-05	7.59E-05	9.05E-06	1.20E-05	3.97E-05	2.74E-06
8125	470432.41	3819847.03	0.0001427	5.99E-04	5.40E-05	1.19E-04	4.40E-04	3.87E-05	1.35E-05	7.71E-05	9.20E-06	1.23E-05	4.04E-05	2.78E-06
8126	470423.55	3819850.57	0.00014507	6.09E-04	5.49E-05	1.21E-04	4.48E-04	3.94E-05	1.37E-05	7.84E-05	9.36E-06	1.25E-05	4.11E-05	2.83E-06
8127	470414.68	3819854.12	0.00014746	6.19E-04	5.58E-05	1.23E-04	4.55E-04	4.00E-05	1.39E-05	7.97E-05	9.51E-06	1.27E-05	4.17E-05	2.88E-06
8128	470405.82	3819857.66	0.0001498	6.29E-04	5.67E-05	1.25E-04	4.62E-04	4.07E-05	1.41E-05	8.10E-05	9.66E-06	1.29E-05	4.24E-05	2.92E-06
8129	470396.95	3819861.2	0.00015206	6.39E-04	5.75E-05	1.27E-04	4.69E-04	4.13E-05	1.44E-05	8.22E-05	9.81E-06	1.31E-05	4.30E-05	2.97E-06
8130	470388.09	3819864.74	0.0001543	6.48E-04	5.84E-05	1.29E-04	4.76E-04	4.19E-05	1.46E-05	8.34E-05	9.95E-06	1.32E-05	4.37E-05	3.01E-06
8131	470379.22	3819868.28	0.0001565	6.57E-04	5.92E-05	1.30E-04	4.83E-04	4.25E-05	1.48E-05	8.46E-05	1.01E-05	1.34E-05	4.43E-05	3.05E-06
8132	470370.36	3819871.83	0.00015869	6.66E-04	6.00E-05	1.32E-04	4.90E-04	4.31E-05	1.50E-05	8.58E-05	1.02E-05	1.36E-05	4.49E-05	3.10E-06
8133	470361.49	3819875.37	0.0001608	6.75E-04	6.08E-05	1.34E-04	4.96E-04	4.37E-05	1.52E-05	8.69E-05	1.04E-05	1.38E-05	4.55E-05	3.14E-06
8134	470352.63	3819878.91	0.00016284	6.84E-04	6.16E-05	1.36E-04	5.02E-04	4.42E-05	1.54E-05	8.80E-05	1.05E-05	1.40E-05	4.61E-05	3.18E-06
8135	470343.76	3819882.45	0.00016479	6.92E-04	6.23E-05	1.37E-04	5.09E-04	4.47E-05	1.56E-05	8.91E-05	1.06E-05	1.41E-05	4.66E-05	3.22E-06
8136	470334.9	3819885.99	0.00016663	7.00E-04	6.30E-05	1.39E-04	5.14E-04	4.52E-05	1.57E-05	9.01E-05	1.07E-05	1.43E-05	4.72E-05	3.25E-06
8137	470326.03	3819889.53	0.00016836	7.07E-04	6.37E-05	1.40E-04	5.20E-04	4.57E-05	1.59E-05	9.10E-05	1.09E-05	1.45E-05	4.77E-05	3.29E-06
8138	470317.17	3819893.08	0.00016992	7.14E-04	6.43E-05	1.42E-04	5.24E-04	4.61E-05	1.60E-05	9.19E-05	1.10E-05	1.46E-05	4.81E-05	3.32E-06
8139	470308.31	3819896.62	0.00017136	7.20E-04	6.48E-05	1.43E-04	5.29E-04	4.65E-05	1.62E-05	9.26E-05	1.11E-05	1.47E-05	4.85E-05	3.34E-06
8140	470299.44	3819900.16	0.0001727	7.25E-04	6.53E-05	1.44E-04	5.33E-04	4.69E-05	1.63E-05	9.34E-05	1.11E-05	1.48E-05	4.89E-05	3.37E-06
8141	470739.4	3819435.48	0.00012456	5.23E-04	4.71E-05	1.04E-04	3.84E-04	3.38E-05	1.18E-05	6.73E-05	8.03E-06	1.07E-05	3.53E-05	2.43E-06
8142	470739.48	3819425.83	0.00012441	5.22E-04	4.70E-05	1.04E-04	3.84E-04	3.38E-05	1.17E-05	6.73E-05	8.02E-06	1.07E-05	3.52E-05	2.43E-06
8143	470739.56	3819416.18	0.00012408	5.21E-04	4.69E-05	1.03E-04	3.83E-04	3.37E-05	1.17E-05	6.71E-05	8.00E-06	1.07E-05	3.51E-05	2.42E-06
8144	470739.65	3819406.53	0.00012358	5.19E-04	4.67E-05	1.03E-04	3.81E-04	3.35E-05	1.17E-05	6.68E-05	7.97E-06	1.06E-05	3.50E-05	2.41E-06
8145	470739.73	3819396.88	0.00012291	5.16E-04	4.65E-05	1.02E-04	3.79E-04	3.34E-05	1.16E-05	6.64E-05	7.93E-06	1.06E-05	3.48E-05	2.40E-06
8146	470739.81	3819387.24	0.00012205	5.13E-04	4.62E-05	1.02E-04	3.77E-04	3.31E-05	1.15E-05	6.60E-05	7.87E-06	1.05E-05	3.45E-05	2.38E-06
8147	470739.89	3819377.59	0.00012101	5.08E-04	4.58E-05	1.01E-04	3.73E-04	3.29E-05	1.14E-05	6.54E-05	7.81E-06	1.04E-05	3.43E-05	2.36E-06
8148	470739.98	3819367.94	0.0001198	5.03E-04	4.53E-05	9.98E-05	3.70E-04	3.25E-05	1.13E-05	6.48E-05	7.73E-06	1.03E-05	3.39E-05	2.34E-06
8149	470740.06	3819358.29	0.00011841	4.97E-04	4.48E-05	9.86E-05	3.65E-04	3.21E-05	1.12E-05	6.40E-05	7.64E-06	1.02E-05	3.35E-05	2.31E-06
8150	470740.14	3819348.64	0.00011684	4.91E-04	4.42E-05	9.73E-05	3.61E-04	3.17E-05	1.10E-05	6.32E-05	7.54E-06	1.00E-05	3.31E-05	2.28E-06
8151	470740.23	3819339	0.00011512	4.83E-04	4.35E-05	9.59E-05	3.55E-04	3.13E-05	1.09E-05	6.22E-05	7.43E-06	9.88E-06	3.26E-05	2.25E-06
8152	470740.31	3819329.35	0.00011325	4.76E-04	4.28E-05	9.43E-05	3.49E-04	3.07E-05	1.07E-05	6.12E-05	7.30E-06	9.72E-06	3.21E-05	2.21E-06
8153	470740.39	3819319.7	0.00011122	4.67E-04	4.21E-05	9.26E-05	3.43E-04	3.02E-05	1.05E-05	6.01E-05	7.17E-06	9.55E-06	3.15E-05	2.17E-06
8154	470740.47	3819310.05	0.00010905	4.58E-04	4.12E-05	9.08E-05	3.36E-04	2.96E-05	1.03E-05	5.90E-05	7.03E-06	9.36E-06	3.09E-05	2.13E-06
8155	470740.56	3819300.4	0.00010673	4.48E-04	4.04E-05	8.89E-05	3.29E-04	2.90E-05	1.01E-05	5.77E-05	6.88E-06	9.16E-06	3.02E-05	2.08E-06
8156	470740.64	3819290.75	0.00010429	4.38E-04	3.94E-05	8.69E-05	3.22E-04	2.83E-05	9.85E-06	5.64E-05	6.73E-06	8.95E-06	2.95E-05	2.04E-06
8157	470740.72	3819281.11	0.00010175	4.27E-04	3.85E-05	8.48E-05	3.14E-04	2.76E-05	9.61E-06	5.50E-05	6.56E-06	8.73E-06	2.88E-05	1.99E-06
8158	470740.8	3819271.46	0.000099098	4.16E-04	3.75E-05	8.25E-05	3.06E-04	2.69E-05	9.36E-06	5.36E-05	6.39E-06	8.51E-06	2.81E-05	1.93E-06
8159	470740.89	3819261.81	0.000096356	4.05E-04	3.64E-05	8.03E-05	2.97E-04	2.62E-05	9.10E-06	5.21E-05	6.22E-06	8.27E-06	2.73E-05	1.88E-06
8160	470740.97	3819252.16	0.000093537	3.93E-04	3.54E-05	7.79E-05	2.89E-04	2.54E-05	8.83E-06	5.06E-05	6.03E-06	8.03E-06	2.65E-05	1.83E-06
8161	470741.05	3819242.51	0.000090665	3.81E-04	3.43E-05	7.55E-05	2.80E-04	2.46E-05	8.56E-06	4.90E-05	5.85E-06	7.78E-06	2.57E-05	1.77E-06
8162	470775.47	3819463.95	0.00010888	4.57E-04	4.12E-05	9.07E-05	3.36E-04	2.96E-05	1.03E-05	5.89E-05	7.02E-06	9.35E-06	3.08E-05	2.12E-06
8163	470771.71	3819472.78	0.00011005	4.62E-04	4.16E-05	9.17E-05	3.40E-04	2.99E-05	1.04E-05	5.95E-05	7.10E-06	9.45E-06	3.12E-05	2.15E-06
8164	470752.91	3819516.93	0.00011441	4.80E-04	4.33E-05	9.53E-05	3.53E-04	3.11E-05	1.08E-05	6.19E-05	7.38E-06	9.82E-06	3.24E-05	2.23E-06
8165	470749.15	3819525.76	0.00011497	4.83E-04	4.35E-05	9.58E-05	3.55E-04	3.12E-05	1.09E-05	6.22E-05	7.42E-06	9.87E-06	3.25E-05	2.24E-06
8166	470745.39	3819534.59	0.00011542	4.85E-04	4.37E-05	9.61E-05	3.56E-04	3.13E-05	1.09E-05	6.24E-05	7.44E-06	9.91E-06	3.27E-05	2.25E-06
8167	470741.62	3819543.42	0.00011578	4.86E-04	4.38E-05	9.64E-05	3.57E-04	3.14E-05	1.09E-05	6.26E-05	7.47E-06	9.94E-06	3.28E-05	2.26E-06
8168	470737.86	3819552.25	0.00011602	4.87E-04	4.39E-05	9.66E-05	3.58E-04	3.15E-05	1.10E-05	6.27E-05	7.48E-06	9.96E-06	3.28E-05	2.26E-06
8169	470734.1	3819561.08	0.00011617	4.88E-04	4.39E-05	9.68E-05	3.58E-04	3.15E-05	1.10E-05	6.28E-05	7.49E-06	9.97E-06	3.29E-05	2.27E-06
8170	470730.34	3819569.91	0.00011621	4.88E-04	4.40E-05	9.68E-05	3.59E-04	3.15E-05	1.10E-05	6.28E-05	7.50E-06	9.98E-06	3.29E-05	2.27E-06
8171	470726.58	3819578.74	0.00011617	4.88E-04	4.39E-05	9.68E-05	3.58E-04	3.15E-05	1.10E-05	6.28E-05	7.49E-06	9.97E-06	3.29E-05	2.27E-06
8172	470722.82	3819587.57	0.00011603	4.87E-04	4.39E-05	9.66E-05	3.58E-04	3.15E-05	1.10E-05	6.27E-05	7.48E-06	9.96E-06	3.28E-05	2.26E-06

8173	470719.06	3819596.41	0.0001158	4.86E-04	4.38E-05	9.65E-05	3.57E-04	3.14E-05	1.09E-05	6.26E-05	7.47E-06	9.94E-06	3.28E-05	2.26E-06
8174	470715.3	3819605.24	0.0001155	4.85E-04	4.37E-05	9.62E-05	3.56E-04	3.14E-05	1.09E-05	6.24E-05	7.45E-06	9.92E-06	3.27E-05	2.25E-06
8175	470711.54	3819614.07	0.00011512	4.83E-04	4.35E-05	9.59E-05	3.55E-04	3.13E-05	1.09E-05	6.22E-05	7.43E-06	9.88E-06	3.26E-05	2.25E-06
8176	470707.78	3819622.9	0.00011467	4.82E-04	4.34E-05	9.55E-05	3.54E-04	3.11E-05	1.08E-05	6.20E-05	7.40E-06	9.84E-06	3.25E-05	2.24E-06
8177	470704.02	3819631.73	0.00011415	4.79E-04	4.32E-05	9.51E-05	3.52E-04	3.10E-05	1.08E-05	6.17E-05	7.36E-06	9.80E-06	3.23E-05	2.23E-06
8178	470504.02	3819858.19	0.00011415	4.79E-04	4.32E-05	9.51E-05	3.52E-04	3.10E-05	1.08E-05	6.17E-05	7.36E-06	9.80E-06	3.23E-05	2.23E-06
8179	470495.11	3819861.75	0.00011583	4.86E-04	4.38E-05	9.65E-05	3.57E-04	3.14E-05	1.09E-05	6.26E-05	7.47E-06	9.94E-06	3.28E-05	2.26E-06
8180	470486.2	3819865.32	0.00011758	4.94E-04	4.45E-05	9.79E-05	3.63E-04	3.19E-05	1.11E-05	6.36E-05	7.58E-06	1.01E-05	3.33E-05	2.29E-06
8181	470477.29	3819868.88	0.00011939	5.01E-04	4.52E-05	9.94E-05	3.68E-04	3.24E-05	1.13E-05	6.45E-05	7.70E-06	1.02E-05	3.38E-05	2.33E-06
8182	470468.37	3819872.44	0.00012126	5.09E-04	4.59E-05	1.01E-04	3.74E-04	3.29E-05	1.15E-05	6.56E-05	7.82E-06	1.04E-05	3.43E-05	2.37E-06
8183	470459.46	3819876	0.00012316	5.17E-04	4.66E-05	1.03E-04	3.80E-04	3.34E-05	1.16E-05	6.66E-05	7.94E-06	1.06E-05	3.49E-05	2.40E-06
8184	470450.55	3819879.56	0.00012511	5.25E-04	4.73E-05	1.04E-04	3.86E-04	3.40E-05	1.18E-05	6.76E-05	8.07E-06	1.07E-05	3.54E-05	2.44E-06
8185	470441.63	3819883.12	0.0001271	5.34E-04	4.81E-05	1.06E-04	3.92E-04	3.45E-05	1.20E-05	6.87E-05	8.20E-06	1.09E-05	3.60E-05	2.48E-06
8186	470432.72	3819886.68	0.00012909	5.42E-04	4.88E-05	1.08E-04	3.98E-04	3.50E-05	1.22E-05	6.98E-05	8.33E-06	1.11E-05	3.65E-05	2.52E-06
8187	470423.81	3819890.24	0.00013109	5.51E-04	4.96E-05	1.09E-04	4.05E-04	3.56E-05	1.24E-05	7.09E-05	8.46E-06	1.13E-05	3.71E-05	2.56E-06
8188	470414.9	3819893.8	0.00013307	5.59E-04	5.03E-05	1.11E-04	4.11E-04	3.61E-05	1.26E-05	7.19E-05	8.58E-06	1.14E-05	3.77E-05	2.60E-06
8189	470405.98	3819897.37	0.00013504	5.67E-04	5.11E-05	1.12E-04	4.17E-04	3.67E-05	1.28E-05	7.30E-05	8.71E-06	1.16E-05	3.82E-05	2.64E-06
8190	470397.07	3819900.93	0.00013698	5.75E-04	5.18E-05	1.14E-04	4.23E-04	3.72E-05	1.29E-05	7.41E-05	8.84E-06	1.18E-05	3.88E-05	2.67E-06
8191	470388.16	3819904.49	0.00013887	5.83E-04	5.25E-05	1.16E-04	4.29E-04	3.77E-05	1.31E-05	7.51E-05	8.96E-06	1.19E-05	3.93E-05	2.71E-06
8192	470379.24	3819908.05	0.0001407	5.91E-04	5.32E-05	1.17E-04	4.34E-04	3.82E-05	1.33E-05	7.61E-05	9.08E-06	1.21E-05	3.98E-05	2.75E-06
8193	470370.33	3819911.61	0.00014247	5.98E-04	5.39E-05	1.19E-04	4.40E-04	3.87E-05	1.35E-05	7.70E-05	9.19E-06	1.22E-05	4.03E-05	2.78E-06
8194	470361.42	3819915.17	0.00014417	6.05E-04	5.45E-05	1.20E-04	4.45E-04	3.91E-05	1.36E-05	7.79E-05	9.30E-06	1.24E-05	4.08E-05	2.81E-06
8195	470352.51	3819918.73	0.00014577	6.12E-04	5.51E-05	1.21E-04	4.50E-04	3.96E-05	1.38E-05	7.88E-05	9.40E-06	1.25E-05	4.13E-05	2.84E-06
8196	470343.59	3819922.29	0.00014725	6.18E-04	5.57E-05	1.23E-04	4.54E-04	4.00E-05	1.39E-05	7.96E-05	9.50E-06	1.26E-05	4.17E-05	2.87E-06
8197	470334.68	3819925.85	0.00014863	6.24E-04	5.62E-05	1.24E-04	4.59E-04	4.03E-05	1.40E-05	8.03E-05	9.59E-06	1.28E-05	4.21E-05	2.90E-06
8198	470325.77	3819929.41	0.00014994	6.30E-04	5.67E-05	1.25E-04	4.63E-04	4.07E-05	1.42E-05	8.11E-05	9.67E-06	1.29E-05	4.24E-05	2.93E-06
8199	470316.85	3819932.98	0.00015118	6.35E-04	5.72E-05	1.26E-04	4.67E-04	4.10E-05	1.43E-05	8.17E-05	9.75E-06	1.30E-05	4.28E-05	2.95E-06
8200	470307.94	3819936.54	0.00015237	6.40E-04	5.76E-05	1.27E-04	4.70E-04	4.14E-05	1.44E-05	8.24E-05	9.83E-06	1.31E-05	4.31E-05	2.97E-06
8201	470299.03	3819940.1	0.00015347	6.45E-04	5.80E-05	1.28E-04	4.74E-04	4.17E-05	1.45E-05	8.30E-05	9.90E-06	1.32E-05	4.34E-05	2.99E-06
8202	470779.23	3819455.12	0.00010761	4.52E-04	4.07E-05	8.96E-05	3.32E-04	2.92E-05	1.02E-05	5.82E-05	6.94E-06	9.24E-06	3.05E-05	2.10E-06
8203	470779.31	3819445.47	0.00010764	4.52E-04	4.07E-05	8.97E-05	3.32E-04	2.92E-05	1.02E-05	5.82E-05	6.94E-06	9.24E-06	3.05E-05	2.10E-06
8204	470779.4	3819435.82	0.00010754	4.52E-04	4.07E-05	8.96E-05	3.32E-04	2.92E-05	1.02E-05	5.81E-05	6.94E-06	9.23E-06	3.04E-05	2.10E-06
8205	470779.48	3819426.17	0.00010734	4.51E-04	4.06E-05	8.94E-05	3.31E-04	2.91E-05	1.01E-05	5.80E-05	6.92E-06	9.21E-06	3.04E-05	2.09E-06
8206	470779.56	3819416.52	0.000107	4.49E-04	4.05E-05	8.91E-05	3.30E-04	2.90E-05	1.01E-05	5.78E-05	6.90E-06	9.19E-06	3.03E-05	2.09E-06
8207	470779.65	3819406.88	0.00010653	4.47E-04	4.03E-05	8.87E-05	3.29E-04	2.89E-05	1.01E-05	5.76E-05	6.87E-06	9.15E-06	3.02E-05	2.08E-06
8208	470779.73	3819397.23	0.00010592	4.45E-04	4.01E-05	8.82E-05	3.27E-04	2.88E-05	1.00E-05	5.73E-05	6.83E-06	9.09E-06	3.00E-05	2.07E-06
8209	470779.81	3819387.58	0.00010519	4.42E-04	3.98E-05	8.76E-05	3.25E-04	2.86E-05	9.93E-06	5.69E-05	6.78E-06	9.03E-06	2.98E-05	2.05E-06
8210	470779.89	3819377.93	0.00010431	4.38E-04	3.95E-05	8.69E-05	3.22E-04	2.83E-05	9.85E-06	5.64E-05	6.73E-06	8.95E-06	2.95E-05	2.04E-06
8211	470779.98	3819368.28	0.0001033	4.34E-04	3.91E-05	8.60E-05	3.19E-04	2.80E-05	9.75E-06	5.58E-05	6.66E-06	8.87E-06	2.92E-05	2.02E-06
8212	470780.06	3819358.64	0.00010215	4.29E-04	3.86E-05	8.51E-05	3.15E-04	2.77E-05	9.65E-06	5.52E-05	6.59E-06	8.77E-06	2.89E-05	1.99E-06
8213	470780.14	3819348.99	0.00010087	4.24E-04	3.81E-05	8.40E-05	3.11E-04	2.74E-05	9.53E-06	5.45E-05	6.51E-06	8.66E-06	2.86E-05	1.97E-06
8214	470780.22	3819339.34	0.000099473	4.18E-04	3.76E-05	8.29E-05	3.07E-04	2.70E-05	9.39E-06	5.38E-05	6.42E-06	8.54E-06	2.82E-05	1.94E-06
8215	470780.31	3819329.69	0.000097953	4.11E-04	3.70E-05	8.16E-05	3.02E-04	2.66E-05	9.25E-06	5.30E-05	6.32E-06	8.41E-06	2.77E-05	1.91E-06
8216	470780.39	3819320.04	0.000096317	4.04E-04	3.64E-05	8.02E-05	2.97E-04	2.61E-05	9.10E-06	5.21E-05	6.21E-06	8.27E-06	2.73E-05	1.88E-06
8217	470780.47	3819310.39	0.000094566	3.97E-04	3.58E-05	7.88E-05	2.92E-04	2.57E-05	8.93E-06	5.11E-05	6.10E-06	8.12E-06	2.68E-05	1.85E-06
8218	470780.56	3819300.75	0.000092704	3.89E-04	3.51E-05	7.72E-05	2.86E-04	2.52E-05	8.75E-06	5.01E-05	5.98E-06	7.96E-06	2.62E-05	1.81E-06
8219	470780.64	3819291.1	0.000090746	3.81E-04	3.43E-05	7.56E-05	2.80E-04	2.46E-05	8.57E-06	4.91E-05	5.85E-06	7.79E-06	2.57E-05	1.77E-06
8220	470780.72	3819281.45	0.000088697	3.72E-04	3.35E-05	7.39E-05	2.74E-04	2.41E-05	8.38E-06	4.80E-05	5.72E-06	7.61E-06	2.51E-05	1.73E-06
8221	470780.8	3819271.8	0.000086561	3.64E-04	3.27E-05	7.21E-05	2.67E-04	2.35E-05	8.17E-06	4.68E-05	5.58E-06	7.43E-06	2.45E-05	1.69E-06
8222	470780.89	3819262.15	0.000084353	3.54E-04	3.19E-05	7.03E-05	2.60E-04	2.29E-05	7.97E-06	4.56E-05	5.44E-06	7.24E-06	2.39E-05	1.65E-06
8223	470780.97	3819252.51	0.000082083	3.45E-04	3.10E-05	6.84E-05	2.53E-04	2.23E-05	7.75E-06	4.44E-05	5.29E-06	7.05E-06	2.32E-05	1.60E-06
8224	470781.05	3819242.86	0.000079759	3.35E-04	3.02E-05	6.64E-05	2.46E-04	2.17E-05	7.53E-06	4.31E-05	5.14E-06	6.85E-06	2.26E-05	1.56E-06
8225	470815.45	3819464.33	0.000095009	3.99E-04	3.59E-05	7.91E-05	2.93E-04	2.58E-05	8.97E-06	5.14E-05	6.13E-06	8.16E-06	2.69E-05	1.85E-06
8226	470811.67	3819473.2	0.000096057	4.03E-04	3.63E-05	8.00E-05	2.96E-04	2.61E-05	9.07E-06	5.19E-05	6.20E-06	8.25E-06	2.72E-05	1.87E-06
8227	470807.9	3819482.07	0.000097024	4.07E-04	3.67E-05	8.08E-05	2.99E-04	2.63E-05	9.16E-06	5.25E-05	6.26E-06	8.33E-06	2.75E-05	1.89E-06
8228	470804.12	3819490.95	0.000097919	4.11E-04	3.70E-05	8.16E-05	3.02E-04	2.66E-05	9.25E-06	5.29E-05	6.32E-06	8.41E-06	2.77E-05	1.91E-06
8229	470800.34	3819499.82	0.000098742	4.15E-04	3.73E-05	8.22E-05	3.05E-04	2.68E-05	9.32E-06	5.34E-05	6.37E-06	8.48E-06	2.80E-05	1.93E-06
8230	470796.56	3819508.69	0.000099478	4.18E-04	3.76E-05	8.29E-05	3.07E-04	2.70E-05	9.39E-06	5.38E-05	6.42E-06	8.54E-06	2.82E-05	1.94E-06
8231	470781.45	3819544.18	0.0001016	4.27E-04	3.84E-05	8.46E-05	3.14E-04	2.76E-05	9.59E-06	5.49E-05	6.55E-06	8.72E-06	2.88E-05	1.98E-06
8232	470777.67	3819553.05	0.00010193	4.28E-04	3.85E-05	8.49E-05	3.15E-04	2.77E-05	9.63E-06	5.51E-05	6.57E-06	8.75E-06	2.89E-05	1.99E-06
8233	470773.89	3819561.92	0.00010217	4.29E-04	3.86E-05	8.51E-05	3.15E-04	2.77E-05	9.65E-06	5.52E-05	6.59E-06	8.77E-06	2.89E-05	1.99E-06
8234	470770.11	3819570.79	0.00010234	4.30E-04	3.87E-05	8.52E-05	3.16E-04	2.78E-05	9.66E-06	5.53E-05	6.60E-06	8.79E-06	2.90E-05	2.00E-06
8235	470766.34	3819579.66	0.00010242	4.30E-04	3.87E-05	8.53E-05	3.16E-04	2.78E-05	9.67E-06	5.54E-05	6.61E-06	8.79E-06	2.90E-05	2.00E-06
8236	470762.56	3819588.53	0.00010243	4.30E-04	3.87E-05	8.53E-05	3.16E-04	2.78E-05	9.67E-06	5.54E-05	6.61E-06	8.79E-06	2.90E-05	2.00E-06
8237	470758.78	3819597.41	0.00010236	4.30E-04	3.87E-05	8.53E-05	3.16E-04	2.78E-05	9.67E-06	5.53E-05	6.60E-06	8.79E-06	2.90E-05	2.00E-06
8238	470755	3819606.28	0.00010222	4.29E-04	3.87E-05	8.51E-05	3.15E-04	2.77E-05	9.65E-06	5.53E-05	6.59E-06	8.78E-06	2.89E-05	1.99E-06
8239	470751.22	3819615.15	0.00010203	4.28E-04	3.86E-05	8.50E-05	3.15E-04	2.77E-05	9.63E-06	5.52E-05	6.58E-06	8.76E-06	2.89E-05	1.99E-06
8240	470747.44	3819624.02	0.00010176	4.27E-04	3.85E-05	8.48E-05	3.14E-04	2.76E-05	9.61E-06	5.50E-05	6.56E-06	8.74E-06	2.88E-05	1.99E-06
8241	470743.67	3819632.89	0.00010142	4.26E-04	3.84E-05	8.45E-05	3.13E-04	2.75E-05	9.58E-06	5.48E-05	6.54E-06	8.71E-06	2.87E-05	1.98E-06
8242	470739.89	3819641.76	0.00010104	4.24E-04	3.82E-05	8.42E-05	3.12E-04	2.74E-05	9.54E-06	5.46E-05	6.52E-06	8.67E-06	2.86E-05	1.97E-06
8243	470736.11	3819650.63	0.0001006	4.22E-04	3.80E-05	8.38E-05	3.10E-04	2.73E-05	9.50E-06	5.44E-05	6.49E-06	8.64E-06	2.85E-05	1.96E-06
8244	470732.33	3819659.51	0.00010013	4.21E-04	3.79E-05	8.34E-05	3.09E-04	2.72E-05	9.46E-06	5.41E-05	6.46E-06	8.60E-06	2.83E-05	1.95E-06
8245	470728.55	3819668.38	0.000099612	4.18E-04	3.77E-05	8.30E-05	3.07E-04	2.70E-05	9.41E-06	5.39E-05	6.43E-06	8.55E-06	2.82E-05	1.94E-06

8246	470477.68	3819908.49	0.00010901	4.58E-04	4.12E-05	9.08E-05	3.36E-04	2.96E-05	1.03E-05	5.89E-05	7.03E-06	9.36E-06	3.09E-05	2.13E-06
8247	470468.73	3819912.07	0.00011068	4.65E-04	4.19E-05	9.22E-05	3.42E-04	3.00E-05	1.05E-05	5.98E-05	7.14E-06	9.50E-06	3.13E-05	2.16E-06
8248	470459.77	3819915.65	0.00011238	4.72E-04	4.25E-05	9.36E-05	3.47E-04	3.05E-05	1.06E-05	6.08E-05	7.25E-06	9.65E-06	3.18E-05	2.19E-06
8249	470450.82	3819919.22	0.0001141	4.79E-04	4.32E-05	9.50E-05	3.52E-04	3.10E-05	1.08E-05	6.17E-05	7.36E-06	9.80E-06	3.23E-05	2.23E-06
8250	470441.87	3819922.8	0.00011582	4.86E-04	4.38E-05	9.65E-05	3.57E-04	3.14E-05	1.09E-05	6.26E-05	7.47E-06	9.94E-06	3.28E-05	2.26E-06
8251	470432.91	3819926.38	0.00011754	4.94E-04	4.45E-05	9.79E-05	3.63E-04	3.19E-05	1.11E-05	6.35E-05	7.58E-06	1.01E-05	3.33E-05	2.29E-06
8252	470423.96	3819929.96	0.00011924	5.01E-04	4.51E-05	9.93E-05	3.68E-04	3.24E-05	1.13E-05	6.45E-05	7.69E-06	1.02E-05	3.38E-05	2.33E-06
8253	470415	3819933.54	0.00012093	5.08E-04	4.57E-05	1.01E-04	3.73E-04	3.28E-05	1.14E-05	6.54E-05	7.80E-06	1.04E-05	3.42E-05	2.36E-06
8254	470406.05	3819937.11	0.00012256	5.15E-04	4.64E-05	1.02E-04	3.78E-04	3.33E-05	1.16E-05	6.63E-05	7.91E-06	1.05E-05	3.47E-05	2.39E-06
8255	470397.09	3819940.69	0.00012412	5.21E-04	4.69E-05	1.03E-04	3.83E-04	3.37E-05	1.17E-05	6.71E-05	8.01E-06	1.07E-05	3.51E-05	2.42E-06
8256	470388.14	3819944.27	0.00012561	5.28E-04	4.75E-05	1.05E-04	3.88E-04	3.41E-05	1.19E-05	6.79E-05	8.10E-06	1.08E-05	3.56E-05	2.45E-06
8257	470379.18	3819947.85	0.00012703	5.33E-04	4.80E-05	1.06E-04	3.92E-04	3.45E-05	1.20E-05	6.87E-05	8.19E-06	1.09E-05	3.60E-05	2.48E-06
8258	470370.23	3819951.42	0.00012846	5.39E-04	4.86E-05	1.07E-04	3.96E-04	3.49E-05	1.21E-05	6.94E-05	8.29E-06	1.10E-05	3.64E-05	2.51E-06
8259	470361.28	3819955	0.00012982	5.45E-04	4.91E-05	1.08E-04	4.01E-04	3.52E-05	1.23E-05	7.02E-05	8.37E-06	1.11E-05	3.67E-05	2.53E-06
8260	470352.32	3819958.58	0.00013111	5.51E-04	4.96E-05	1.09E-04	4.05E-04	3.56E-05	1.24E-05	7.09E-05	8.46E-06	1.13E-05	3.71E-05	2.56E-06
8261	470343.37	3819962.16	0.00013232	5.56E-04	5.00E-05	1.10E-04	4.08E-04	3.59E-05	1.25E-05	7.15E-05	8.54E-06	1.14E-05	3.75E-05	2.58E-06
8262	470334.41	3819965.73	0.00013348	5.61E-04	5.05E-05	1.11E-04	4.12E-04	3.62E-05	1.26E-05	7.22E-05	8.61E-06	1.15E-05	3.78E-05	2.60E-06
8263	470325.46	3819969.31	0.00013455	5.65E-04	5.09E-05	1.12E-04	4.15E-04	3.65E-05	1.27E-05	7.27E-05	8.68E-06	1.16E-05	3.81E-05	2.63E-06
8264	470316.5	3819972.89	0.00013556	5.69E-04	5.13E-05	1.13E-04	4.18E-04	3.68E-05	1.28E-05	7.33E-05	8.74E-06	1.16E-05	3.84E-05	2.65E-06
8265	470307.55	3819976.47	0.00013649	5.73E-04	5.16E-05	1.14E-04	4.21E-04	3.71E-05	1.29E-05	7.38E-05	8.80E-06	1.17E-05	3.86E-05	2.66E-06
8266	470819.23	3819455.46	0.000093888	3.94E-04	3.55E-05	7.82E-05	2.90E-04	2.55E-05	8.87E-06	5.08E-05	6.06E-06	8.06E-06	2.66E-05	1.83E-06
8267	470819.31	3819445.81	0.00009384	3.94E-04	3.55E-05	7.82E-05	2.90E-04	2.55E-05	8.86E-06	5.07E-05	6.05E-06	8.06E-06	2.66E-05	1.83E-06
8268	470819.4	3819436.16	0.000093691	3.93E-04	3.54E-05	7.80E-05	2.89E-04	2.54E-05	8.85E-06	5.06E-05	6.04E-06	8.04E-06	2.65E-05	1.83E-06
8269	470819.48	3819426.52	0.00009346	3.92E-04	3.53E-05	7.78E-05	2.88E-04	2.54E-05	8.83E-06	5.05E-05	6.03E-06	8.02E-06	2.65E-05	1.82E-06
8270	470819.56	3819416.87	0.000093133	3.91E-04	3.52E-05	7.76E-05	2.87E-04	2.53E-05	8.79E-06	5.03E-05	6.01E-06	8.00E-06	2.64E-05	1.82E-06
8271	470819.64	3819407.22	0.0000927	3.89E-04	3.51E-05	7.72E-05	2.86E-04	2.52E-05	8.75E-06	5.01E-05	5.98E-06	7.96E-06	2.62E-05	1.81E-06
8272	470819.73	3819397.57	0.000092161	3.87E-04	3.49E-05	7.68E-05	2.84E-04	2.50E-05	8.70E-06	4.98E-05	5.94E-06	7.91E-06	2.61E-05	1.80E-06
8273	470819.81	3819387.92	0.000091521	3.84E-04	3.46E-05	7.62E-05	2.82E-04	2.48E-05	8.64E-06	4.95E-05	5.90E-06	7.86E-06	2.59E-05	1.79E-06
8274	470819.89	3819378.27	0.000090775	3.81E-04	3.43E-05	7.56E-05	2.80E-04	2.46E-05	8.57E-06	4.91E-05	5.86E-06	7.79E-06	2.57E-05	1.77E-06
8275	470819.97	3819368.63	0.000089929	3.78E-04	3.40E-05	7.49E-05	2.78E-04	2.44E-05	8.49E-06	4.86E-05	5.80E-06	7.72E-06	2.55E-05	1.75E-06
8276	470820.06	3819358.98	0.000088976	3.74E-04	3.37E-05	7.41E-05	2.75E-04	2.42E-05	8.40E-06	4.81E-05	5.74E-06	7.64E-06	2.52E-05	1.74E-06
8277	470820.14	3819349.33	0.000087927	3.69E-04	3.33E-05	7.32E-05	2.71E-04	2.39E-05	8.30E-06	4.75E-05	5.67E-06	7.55E-06	2.49E-05	1.72E-06
8278	470820.22	3819339.68	0.000086783	3.64E-04	3.28E-05	7.23E-05	2.68E-04	2.36E-05	8.20E-06	4.69E-05	5.60E-06	7.45E-06	2.46E-05	1.69E-06
8279	470820.31	3819330.03	0.000085537	3.59E-04	3.23E-05	7.12E-05	2.64E-04	2.32E-05	8.08E-06	4.62E-05	5.52E-06	7.34E-06	2.42E-05	1.67E-06
8280	470820.39	3819320.39	0.000084199	3.54E-04	3.18E-05	7.01E-05	2.60E-04	2.29E-05	7.95E-06	4.55E-05	5.43E-06	7.23E-06	2.38E-05	1.64E-06
8281	470820.47	3819310.74	0.000082771	3.48E-04	3.13E-05	6.89E-05	2.55E-04	2.25E-05	7.82E-06	4.47E-05	5.34E-06	7.11E-06	2.34E-05	1.62E-06
8282	470820.55	3819301.09	0.000081255	3.41E-04	3.07E-05	6.77E-05	2.51E-04	2.21E-05	7.67E-06	4.39E-05	5.24E-06	6.98E-06	2.30E-05	1.59E-06
8283	470820.64	3819291.44	0.000079658	3.35E-04	3.01E-05	6.64E-05	2.46E-04	2.16E-05	7.52E-06	4.31E-05	5.14E-06	6.84E-06	2.25E-05	1.55E-06
8284	470820.72	3819281.79	0.000077984	3.28E-04	2.95E-05	6.50E-05	2.41E-04	2.12E-05	7.36E-06	4.22E-05	5.03E-06	6.69E-06	2.21E-05	1.52E-06
8285	470820.8	3819272.14	0.000076243	3.20E-04	2.88E-05	6.35E-05	2.35E-04	2.07E-05	7.20E-06	4.12E-05	4.92E-06	6.55E-06	2.16E-05	1.49E-06
8286	470820.88	3819262.5	0.000074443	3.13E-04	2.82E-05	6.20E-05	2.30E-04	2.02E-05	7.03E-06	4.02E-05	4.80E-06	6.39E-06	2.11E-05	1.45E-06
8287	470820.97	3819252.85	0.000072582	3.05E-04	2.75E-05	6.05E-05	2.24E-04	1.97E-05	6.85E-06	3.92E-05	4.68E-06	6.23E-06	2.05E-05	1.42E-06
8288	470821.05	3819243.2	0.000070682	2.97E-04	2.67E-05	5.89E-05	2.18E-04	1.92E-05	6.67E-06	3.82E-05	4.56E-06	6.07E-06	2.00E-05	1.38E-06
8289	470855.52	3819464.52	0.000083507	3.51E-04	3.16E-05	6.96E-05	2.58E-04	2.27E-05	7.89E-06	4.51E-05	5.39E-06	7.17E-06	2.36E-05	1.63E-06
8290	470851.8	3819473.24	0.000084421	3.55E-04	3.19E-05	7.03E-05	2.61E-04	2.29E-05	7.97E-06	4.56E-05	5.45E-06	7.25E-06	2.39E-05	1.65E-06
8291	470848.09	3819481.96	0.000085282	3.58E-04	3.23E-05	7.10E-05	2.63E-04	2.32E-05	8.05E-06	4.61E-05	5.50E-06	7.32E-06	2.41E-05	1.66E-06
8292	470844.38	3819490.67	0.000086085	3.62E-04	3.26E-05	7.17E-05	2.66E-04	2.34E-05	8.13E-06	4.65E-05	5.55E-06	7.39E-06	2.44E-05	1.68E-06
8293	470840.67	3819499.39	0.000086831	3.65E-04	3.28E-05	7.23E-05	2.68E-04	2.36E-05	8.20E-06	4.69E-05	5.60E-06	7.45E-06	2.46E-05	1.69E-06
8294	470836.95	3819508.11	0.000087519	3.68E-04	3.31E-05	7.29E-05	2.70E-04	2.38E-05	8.26E-06	4.73E-05	5.65E-06	7.51E-06	2.48E-05	1.71E-06
8295	470833.24	3819516.83	0.000088144	3.70E-04	3.33E-05	7.34E-05	2.72E-04	2.39E-05	8.32E-06	4.77E-05	5.69E-06	7.57E-06	2.50E-05	1.72E-06
8296	470829.53	3819525.55	0.000088707	3.73E-04	3.35E-05	7.39E-05	2.74E-04	2.41E-05	8.38E-06	4.80E-05	5.72E-06	7.62E-06	2.51E-05	1.73E-06
8297	470825.81	3819534.26	0.000089212	3.75E-04	3.37E-05	7.43E-05	2.75E-04	2.42E-05	8.42E-06	4.82E-05	5.75E-06	7.66E-06	2.53E-05	1.74E-06
8298	470807.25	3819577.85	0.000090761	3.81E-04	3.43E-05	7.56E-05	2.80E-04	2.46E-05	8.57E-06	4.91E-05	5.85E-06	7.79E-06	2.57E-05	1.77E-06
8299	470803.54	3819586.57	0.000090886	3.82E-04	3.44E-05	7.57E-05	2.80E-04	2.47E-05	8.58E-06	4.91E-05	5.86E-06	7.80E-06	2.57E-05	1.77E-06
8300	470799.83	3819595.29	0.000090949	3.82E-04	3.44E-05	7.58E-05	2.81E-04	2.47E-05	8.59E-06	4.92E-05	5.87E-06	7.81E-06	2.57E-05	1.77E-06
8301	470796.11	3819604.01	0.000090953	3.82E-04	3.44E-05	7.58E-05	2.81E-04	2.47E-05	8.59E-06	4.92E-05	5.87E-06	7.81E-06	2.57E-05	1.77E-06
8302	470792.4	3819612.72	0.000090905	3.82E-04	3.44E-05	7.57E-05	2.81E-04	2.47E-05	8.58E-06	4.91E-05	5.86E-06	7.80E-06	2.57E-05	1.77E-06
8303	470788.69	3819621.44	0.000090799	3.81E-04	3.43E-05	7.56E-05	2.80E-04	2.46E-05	8.57E-06	4.91E-05	5.86E-06	7.79E-06	2.57E-05	1.77E-06
8304	470784.98	3819630.16	0.000090641	3.81E-04	3.43E-05	7.55E-05	2.80E-04	2.46E-05	8.56E-06	4.90E-05	5.85E-06	7.78E-06	2.57E-05	1.77E-06
8305	470781.26	3819638.88	0.000090434	3.80E-04	3.42E-05	7.53E-05	2.79E-04	2.45E-05	8.54E-06	4.89E-05	5.83E-06	7.76E-06	2.56E-05	1.76E-06
8306	470777.55	3819647.59	0.000090179	3.79E-04	3.41E-05	7.51E-05	2.78E-04	2.45E-05	8.52E-06	4.88E-05	5.82E-06	7.74E-06	2.55E-05	1.76E-06
8307	470773.84	3819656.31	0.000089881	3.77E-04	3.40E-05	7.49E-05	2.77E-04	2.44E-05	8.49E-06	4.86E-05	5.80E-06	7.72E-06	2.54E-05	1.75E-06
8308	470770.12	3819665.03	0.000089549	3.76E-04	3.39E-05	7.46E-05	2.76E-04	2.43E-05	8.46E-06	4.84E-05	5.78E-06	7.69E-06	2.53E-05	1.75E-06
8309	470766.41	3819673.75	0.000089183	3.75E-04	3.37E-05	7.43E-05	2.75E-04	2.42E-05	8.42E-06	4.82E-05	5.75E-06	7.66E-06	2.52E-05	1.74E-06
8310	470762.7	3819682.47	0.000088779	3.73E-04	3.36E-05	7.39E-05	2.74E-04	2.41E-05	8.38E-06	4.80E-05	5.73E-06	7.62E-06	2.51E-05	1.73E-06
8311	470758.99	3819691.18	0.000088351	3.71E-04	3.34E-05	7.36E-05	2.73E-04	2.40E-05	8.34E-06	4.78E-05	5.70E-06	7.58E-06	2.50E-05	1.72E-06
8312	470473.56	3819949.91	0.00010083	4.23E-04	3.81E-05	8.40E-05	3.11E-04	2.74E-05	9.52E-06	5.45E-05	6.50E-06	8.66E-06	2.85E-05	1.97E-06
8313	470464.76	3819953.43	0.00010228	4.30E-04	3.87E-05	8.52E-05	3.16E-04	2.78E-05	9.66E-06	5.53E-05	6.60E-06	8.78E-06	2.90E-05	2.00E-06
8314	470455.96	3819956.95	0.00010373	4.36E-04	3.92E-05	8.64E-05	3.20E-04	2.82E-05	9.80E-06	5.61E-05	6.69E-06	8.90E-06	2.94E-05	2.02E-06
8315	470447.16	3819960.46	0.00010518	4.42E-04	3.98E-05	8.76E-05	3.25E-04	2.86E-05	9.93E-06	5.69E-05	6.78E-06	9.03E-06	2.98E-05	2.05E-06
8316	470438.36	3819963.98	0.00010661	4.48E-04	4.03E-05	8.88E-05	3.29E-04	2.89E-05	1.01E-05	5.76E-05	6.88E-06	9.15E-06	3.02E-05	2.08E-06
8317	470429.56	3819967.49	0.00010803	4.54E-04	4.09E-05	9.00E-05	3.33E-04	2.93E-05	1.02E-05	5.84E-05	6.97E-06	9.27E-06	3.06E-05	2.11E-06
8318	470420.76	3819971.01	0.00010941	4.59E-04	4.14E-05	9.11E-05	3.38E-04	2.97E-05	1.03E-05	5.91E-05	7.06E-06	9.39E-06	3.10E-05	2.13E-06

8319	470411.96	3819974.52	0.00011076	4.65E-04	4.19E-05	9.23E-05	3.42E-04	3.01E-05	1.05E-05	5.99E-05	7.14E-06	9.51E-06	3.14E-05	2.16E-06
8320	470403.16	3819978.04	0.00011207	4.71E-04	4.24E-05	9.33E-05	3.46E-04	3.04E-05	1.06E-05	6.06E-05	7.23E-06	9.62E-06	3.17E-05	2.19E-06
8321	470394.36	3819981.55	0.00011335	4.76E-04	4.29E-05	9.44E-05	3.50E-04	3.08E-05	1.07E-05	6.13E-05	7.31E-06	9.73E-06	3.21E-05	2.21E-06
8322	470385.56	3819985.07	0.00011457	4.81E-04	4.33E-05	9.54E-05	3.54E-04	3.11E-05	1.08E-05	6.19E-05	7.39E-06	9.84E-06	3.24E-05	2.24E-06
8323	470376.77	3819988.59	0.00011574	4.86E-04	4.38E-05	9.64E-05	3.57E-04	3.14E-05	1.09E-05	6.26E-05	7.47E-06	9.94E-06	3.28E-05	2.26E-06
8324	470367.97	3819992.1	0.00011685	4.91E-04	4.42E-05	9.73E-05	3.61E-04	3.17E-05	1.10E-05	6.32E-05	7.54E-06	1.00E-05	3.31E-05	2.28E-06
8325	470359.17	3819995.62	0.00011791	4.95E-04	4.46E-05	9.82E-05	3.64E-04	3.20E-05	1.11E-05	6.37E-05	7.61E-06	1.01E-05	3.34E-05	2.30E-06
8326	470350.37	3819999.13	0.0001189	4.99E-04	4.50E-05	9.90E-05	3.67E-04	3.23E-05	1.12E-05	6.43E-05	7.67E-06	1.02E-05	3.37E-05	2.32E-06
8327	470341.57	3820002.65	0.00011984	5.03E-04	4.53E-05	9.98E-05	3.70E-04	3.25E-05	1.13E-05	6.48E-05	7.73E-06	1.03E-05	3.39E-05	2.34E-06
8328	470332.77	3820006.16	0.00012073	5.07E-04	4.57E-05	1.01E-04	3.73E-04	3.28E-05	1.14E-05	6.53E-05	7.79E-06	1.04E-05	3.42E-05	2.36E-06
8329	470323.97	3820009.68	0.00012153	5.10E-04	4.60E-05	1.01E-04	3.75E-04	3.30E-05	1.15E-05	6.57E-05	7.84E-06	1.04E-05	3.44E-05	2.37E-06
8330	470315.17	3820013.2	0.00012228	5.14E-04	4.62E-05	1.02E-04	3.77E-04	3.32E-05	1.15E-05	6.61E-05	7.89E-06	1.05E-05	3.46E-05	2.39E-06
8331	470859.23	3819455.8	0.000082544	3.47E-04	3.12E-05	6.88E-05	2.55E-04	2.24E-05	7.79E-06	4.46E-05	5.32E-06	7.09E-06	2.34E-05	1.61E-06
8332	470859.31	3819446.15	0.000082458	3.46E-04	3.12E-05	6.87E-05	2.54E-04	2.24E-05	7.79E-06	4.46E-05	5.32E-06	7.08E-06	2.33E-05	1.61E-06
8333	470859.39	3819436.51	0.000082299	3.46E-04	3.11E-05	6.86E-05	2.54E-04	2.23E-05	7.77E-06	4.45E-05	5.31E-06	7.07E-06	2.33E-05	1.61E-06
8334	470859.48	3819426.86	0.000082063	3.45E-04	3.10E-05	6.84E-05	2.53E-04	2.23E-05	7.75E-06	4.44E-05	5.29E-06	7.04E-06	2.32E-05	1.60E-06
8335	470859.56	3819417.21	0.000081756	3.43E-04	3.09E-05	6.81E-05	2.52E-04	2.22E-05	7.72E-06	4.42E-05	5.27E-06	7.02E-06	2.31E-05	1.60E-06
8336	470859.64	3819407.56	0.000081366	3.42E-04	3.08E-05	6.78E-05	2.51E-04	2.21E-05	7.68E-06	4.40E-05	5.25E-06	6.99E-06	2.30E-05	1.59E-06
8337	470859.73	3819397.91	0.000080885	3.40E-04	3.06E-05	6.74E-05	2.50E-04	2.20E-05	7.64E-06	4.37E-05	5.22E-06	6.94E-06	2.29E-05	1.58E-06
8338	470859.81	3819388.27	0.000080327	3.37E-04	3.04E-05	6.69E-05	2.48E-04	2.18E-05	7.59E-06	4.34E-05	5.18E-06	6.90E-06	2.27E-05	1.57E-06
8339	470859.89	3819378.62	0.000079687	3.35E-04	3.01E-05	6.64E-05	2.46E-04	2.16E-05	7.52E-06	4.31E-05	5.14E-06	6.84E-06	2.26E-05	1.55E-06
8340	470859.97	3819368.97	0.00007897	3.32E-04	2.99E-05	6.58E-05	2.44E-04	2.14E-05	7.46E-06	4.27E-05	5.09E-06	6.78E-06	2.24E-05	1.54E-06
8341	470860.06	3819359.32	0.000078176	3.28E-04	2.96E-05	6.51E-05	2.41E-04	2.12E-05	7.38E-06	4.23E-05	5.04E-06	6.71E-06	2.21E-05	1.53E-06
8342	470860.14	3819349.67	0.000077301	3.25E-04	2.92E-05	6.44E-05	2.39E-04	2.10E-05	7.30E-06	4.18E-05	4.99E-06	6.64E-06	2.19E-05	1.51E-06
8343	470860.22	3819340.02	0.000076348	3.21E-04	2.89E-05	6.36E-05	2.36E-04	2.07E-05	7.21E-06	4.13E-05	4.92E-06	6.55E-06	2.16E-05	1.49E-06
8344	470860.3	3819330.38	0.000075319	3.16E-04	2.85E-05	6.27E-05	2.32E-04	2.04E-05	7.11E-06	4.07E-05	4.86E-06	6.47E-06	2.13E-05	1.47E-06
8345	470860.39	3819320.73	0.000074208	3.12E-04	2.81E-05	6.18E-05	2.29E-04	2.01E-05	7.01E-06	4.01E-05	4.79E-06	6.37E-06	2.10E-05	1.45E-06
8346	470860.47	3819311.08	0.000073029	3.07E-04	2.76E-05	6.08E-05	2.25E-04	1.98E-05	6.90E-06	3.95E-05	4.71E-06	6.27E-06	2.07E-05	1.43E-06
8347	470860.55	3819301.43	0.000071783	3.01E-04	2.71E-05	5.98E-05	2.22E-04	1.95E-05	6.78E-06	3.88E-05	4.63E-06	6.16E-06	2.03E-05	1.40E-06
8348	470860.64	3819291.78	0.00007046	2.96E-04	2.66E-05	5.87E-05	2.17E-04	1.91E-05	6.65E-06	3.81E-05	4.54E-06	6.05E-06	1.99E-05	1.37E-06
8349	470860.72	3819282.14	0.000069084	2.90E-04	2.61E-05	5.75E-05	2.13E-04	1.88E-05	6.52E-06	3.73E-05	4.46E-06	5.93E-06	1.96E-05	1.35E-06
8350	470860.8	3819272.49	0.000067651	2.84E-04	2.56E-05	5.63E-05	2.09E-04	1.84E-05	6.39E-06	3.66E-05	4.36E-06	5.81E-06	1.91E-05	1.32E-06
8351	470860.88	3819262.84	0.00006616	2.78E-04	2.50E-05	5.51E-05	2.04E-04	1.80E-05	6.25E-06	3.58E-05	4.27E-06	5.68E-06	1.87E-05	1.29E-06
8352	470860.97	3819253.19	0.00006462	2.71E-04	2.44E-05	5.38E-05	1.99E-04	1.75E-05	6.10E-06	3.49E-05	4.17E-06	5.55E-06	1.83E-05	1.26E-06
8353	470861.05	3819243.54	0.000063047	2.65E-04	2.38E-05	5.25E-05	1.95E-04	1.71E-05	5.95E-06	3.41E-05	4.07E-06	5.41E-06	1.78E-05	1.23E-06
8354	470895.5	3819464.91	0.000073938	3.11E-04	2.80E-05	6.16E-05	2.28E-04	2.01E-05	6.98E-06	4.00E-05	4.77E-06	6.35E-06	2.09E-05	1.44E-06
8355	470891.77	3819473.67	0.000074747	3.14E-04	2.83E-05	6.23E-05	2.31E-04	2.03E-05	7.06E-06	4.04E-05	4.82E-06	6.42E-06	2.12E-05	1.46E-06
8356	470888.04	3819482.43	0.000075511	3.17E-04	2.86E-05	6.29E-05	2.33E-04	2.05E-05	7.13E-06	4.08E-05	4.87E-06	6.48E-06	2.14E-05	1.47E-06
8357	470884.3	3819491.19	0.000076238	3.20E-04	2.88E-05	6.35E-05	2.35E-04	2.07E-05	7.20E-06	4.12E-05	4.92E-06	6.54E-06	2.16E-05	1.49E-06
8358	470880.57	3819499.95	0.000076921	3.23E-04	2.91E-05	6.41E-05	2.37E-04	2.09E-05	7.26E-06	4.16E-05	4.96E-06	6.60E-06	2.18E-05	1.50E-06
8359	470876.84	3819508.71	0.000077556	3.26E-04	2.93E-05	6.46E-05	2.39E-04	2.11E-05	7.32E-06	4.19E-05	5.00E-06	6.66E-06	2.20E-05	1.51E-06
8360	470873.11	3819517.46	0.000078143	3.28E-04	2.96E-05	6.51E-05	2.41E-04	2.12E-05	7.38E-06	4.22E-05	5.04E-06	6.71E-06	2.21E-05	1.52E-06
8361	470869.38	3819526.22	0.000078682	3.30E-04	2.98E-05	6.55E-05	2.43E-04	2.14E-05	7.43E-06	4.25E-05	5.08E-06	6.75E-06	2.23E-05	1.54E-06
8362	470865.65	3819534.98	0.000079177	3.33E-04	2.99E-05	6.60E-05	2.44E-04	2.15E-05	7.48E-06	4.28E-05	5.11E-06	6.80E-06	2.24E-05	1.54E-06
8363	470861.92	3819543.74	0.00007962	3.34E-04	3.01E-05	6.63E-05	2.46E-04	2.16E-05	7.52E-06	4.30E-05	5.14E-06	6.84E-06	2.25E-05	1.55E-06
8364	470858.19	3819552.5	0.000080014	3.36E-04	3.03E-05	6.66E-05	2.47E-04	2.17E-05	7.56E-06	4.33E-05	5.16E-06	6.87E-06	2.26E-05	1.56E-06
8365	470854.46	3819561.26	0.000080351	3.37E-04	3.04E-05	6.69E-05	2.48E-04	2.18E-05	7.59E-06	4.34E-05	5.18E-06	6.90E-06	2.27E-05	1.57E-06
8366	470850.73	3819570.02	0.000080639	3.39E-04	3.05E-05	6.72E-05	2.49E-04	2.19E-05	7.61E-06	4.36E-05	5.20E-06	6.92E-06	2.28E-05	1.57E-06
8367	470835.81	3819605.06	0.000081274	3.41E-04	3.07E-05	6.77E-05	2.51E-04	2.21E-05	7.67E-06	4.39E-05	5.24E-06	6.98E-06	2.30E-05	1.59E-06
8368	470832.08	3819613.82	0.000081308	3.41E-04	3.08E-05	6.77E-05	2.51E-04	2.21E-05	7.68E-06	4.40E-05	5.24E-06	6.98E-06	2.30E-05	1.59E-06
8369	470828.35	3819622.58	0.000081299	3.41E-04	3.07E-05	6.77E-05	2.51E-04	2.21E-05	7.68E-06	4.40E-05	5.24E-06	6.98E-06	2.30E-05	1.59E-06
8370	470824.62	3819631.34	0.000081241	3.41E-04	3.07E-05	6.77E-05	2.51E-04	2.21E-05	7.67E-06	4.39E-05	5.24E-06	6.97E-06	2.30E-05	1.59E-06
8371	470820.88	3819640.1	0.000081145	3.41E-04	3.07E-05	6.76E-05	2.50E-04	2.20E-05	7.66E-06	4.39E-05	5.23E-06	6.97E-06	2.30E-05	1.58E-06
8372	470817.15	3819648.86	0.000081005	3.40E-04	3.06E-05	6.75E-05	2.50E-04	2.20E-05	7.65E-06	4.38E-05	5.22E-06	6.95E-06	2.29E-05	1.58E-06
8373	470813.42	3819657.62	0.000080832	3.39E-04	3.06E-05	6.73E-05	2.49E-04	2.19E-05	7.63E-06	4.37E-05	5.21E-06	6.94E-06	2.29E-05	1.58E-06
8374	470809.69	3819666.38	0.00008062	3.39E-04	3.05E-05	6.72E-05	2.49E-04	2.19E-05	7.61E-06	4.36E-05	5.20E-06	6.92E-06	2.28E-05	1.57E-06
8375	470805.96	3819675.14	0.000080375	3.38E-04	3.04E-05	6.69E-05	2.48E-04	2.18E-05	7.59E-06	4.35E-05	5.18E-06	6.90E-06	2.28E-05	1.57E-06
8376	470802.23	3819683.9	0.000080096	3.36E-04	3.03E-05	6.67E-05	2.47E-04	2.17E-05	7.56E-06	4.33E-05	5.17E-06	6.88E-06	2.27E-05	1.56E-06
8377	470798.5	3819692.66	0.000079788	3.35E-04	3.02E-05	6.65E-05	2.46E-04	2.17E-05	7.53E-06	4.31E-05	5.15E-06	6.85E-06	2.26E-05	1.56E-06
8378	470794.77	3819701.42	0.000079456	3.34E-04	3.01E-05	6.62E-05	2.45E-04	2.16E-05	7.50E-06	4.30E-05	5.13E-06	6.82E-06	2.25E-05	1.55E-06
8379	470791.04	3819710.18	0.0000791	3.32E-04	2.99E-05	6.59E-05	2.44E-04	2.15E-05	7.47E-06	4.28E-05	5.10E-06	6.79E-06	2.24E-05	1.54E-06
8380	470473.98	3819989.52	0.000092902	3.90E-04	3.51E-05	7.74E-05	2.87E-04	2.52E-05	8.77E-06	5.02E-05	5.99E-06	7.98E-06	2.63E-05	1.81E-06
8381	470465.13	3819993.05	0.000094186	3.96E-04	3.56E-05	7.85E-05	2.91E-04	2.56E-05	8.89E-06	5.09E-05	6.08E-06	8.09E-06	2.67E-05	1.84E-06
8382	470456.29	3819996.59	0.000095461	4.01E-04	3.61E-05	7.95E-05	2.95E-04	2.59E-05	9.01E-06	5.16E-05	6.16E-06	8.20E-06	2.70E-05	1.86E-06
8383	470447.45	3820000.12	0.000096726	4.06E-04	3.66E-05	8.06E-05	2.98E-04	2.63E-05	9.13E-06	5.23E-05	6.24E-06	8.30E-06	2.74E-05	1.89E-06
8384	470438.61	3820003.65	0.000097972	4.11E-04	3.71E-05	8.16E-05	3.02E-04	2.66E-05	9.25E-06	5.30E-05	6.32E-06	8.41E-06	2.77E-05	1.91E-06
8385	470429.77	3820007.18	0.000099184	4.17E-04	3.75E-05	8.26E-05	3.06E-04	2.69E-05	9.37E-06	5.36E-05	6.40E-06	8.51E-06	2.81E-05	1.94E-06
8386	470305.99	3820056.64	0.00011131	4.67E-04	4.21E-05	9.27E-05	3.43E-04	3.02E-05	1.05E-05	6.02E-05	7.18E-06	9.56E-06	3.15E-05	2.17E-06
8387	470899.23	3819456.15	0.000073092	3.07E-04	2.76E-05	6.09E-05	2.26E-04	1.98E-05	6.90E-06	3.95E-05	4.71E-06	6.27E-06	2.07E-05	1.43E-06
8388	470899.31	3819446.5	0.000072986	3.07E-04	2.76E-05	6.08E-05	2.25E-04	1.98E-05	6.89E-06	3.95E-05	4.71E-06	6.27E-06	2.07E-05	1.42E-06
8389	470899.39	3819436.85	0.000072817	3.06E-04	2.75E-05	6.07E-05	2.25E-04	1.98E-05	6.88E-06	3.94E-05	4.70E-06	6.25E-06	2.06E-05	1.42E-06
8390	470899.48	3819427.2	0.000072587	3.05E-04	2.75E-05	6.05E-05	2.24E-04	1.97E-05	6.85E-06	3.92E-05	4.68E-06	6.23E-06	2.05E-05	1.42E-06
8391	470899.56	3819417.55	0.000072303	3.04E-04	2.73E-05	6.02E-05	2.23E-04	1.96E-05	6.83E-06	3.91E-05	4.66E-06	6.21E-06	2.05E-05	1.41E-06

8392	470899.64	3819407.91	0.000071952	3.02E-04	2.72E-05	5.99E-05	2.22E-04	1.95E-05	6.79E-06	3.89E-05	4.64E-06	6.18E-06	2.04E-05	1.40E-06
8393	470899.72	3819398.26	0.000071533	3.00E-04	2.71E-05	5.96E-05	2.21E-04	1.94E-05	6.75E-06	3.87E-05	4.61E-06	6.14E-06	2.02E-05	1.40E-06
8394	470899.81	3819388.61	0.000071047	2.98E-04	2.69E-05	5.92E-05	2.19E-04	1.93E-05	6.71E-06	3.84E-05	4.58E-06	6.10E-06	2.01E-05	1.39E-06
8395	470899.89	3819378.96	0.000070494	2.96E-04	2.67E-05	5.87E-05	2.18E-04	1.91E-05	6.66E-06	3.81E-05	4.55E-06	6.05E-06	2.00E-05	1.38E-06
8396	470899.97	3819369.31	0.000069883	2.93E-04	2.64E-05	5.82E-05	2.16E-04	1.90E-05	6.60E-06	3.78E-05	4.51E-06	6.00E-06	1.98E-05	1.36E-06
8397	470900.05	3819359.66	0.000069214	2.91E-04	2.62E-05	5.77E-05	2.14E-04	1.88E-05	6.54E-06	3.74E-05	4.46E-06	5.94E-06	1.96E-05	1.35E-06
8398	470900.14	3819350.02	0.000068474	2.88E-04	2.59E-05	5.70E-05	2.11E-04	1.86E-05	6.47E-06	3.70E-05	4.42E-06	5.88E-06	1.94E-05	1.34E-06
8399	470900.22	3819340.37	0.000067675	2.84E-04	2.56E-05	5.64E-05	2.09E-04	1.84E-05	6.39E-06	3.66E-05	4.37E-06	5.81E-06	1.92E-05	1.32E-06
8400	470900.3	3819330.72	0.000066809	2.81E-04	2.53E-05	5.56E-05	2.06E-04	1.81E-05	6.31E-06	3.61E-05	4.31E-06	5.74E-06	1.89E-05	1.30E-06
8401	470900.39	3819321.07	0.000065885	2.77E-04	2.49E-05	5.49E-05	2.03E-04	1.79E-05	6.22E-06	3.56E-05	4.25E-06	5.66E-06	1.86E-05	1.29E-06
8402	470900.47	3819311.42	0.000064899	2.73E-04	2.45E-05	5.41E-05	2.00E-04	1.76E-05	6.13E-06	3.51E-05	4.19E-06	5.57E-06	1.84E-05	1.27E-06
8403	470900.55	3819301.78	0.00006386	2.68E-04	2.42E-05	5.32E-05	1.97E-04	1.73E-05	6.03E-06	3.45E-05	4.12E-06	5.48E-06	1.81E-05	1.25E-06
8404	470900.63	3819292.13	0.000062759	2.64E-04	2.37E-05	5.23E-05	1.94E-04	1.70E-05	5.93E-06	3.39E-05	4.05E-06	5.39E-06	1.78E-05	1.22E-06
8405	470900.72	3819282.48	0.000061609	2.59E-04	2.33E-05	5.13E-05	1.90E-04	1.67E-05	5.82E-06	3.33E-05	3.97E-06	5.29E-06	1.74E-05	1.20E-06
8406	470900.8	3819272.83	0.000060411	2.54E-04	2.28E-05	5.03E-05	1.86E-04	1.64E-05	5.70E-06	3.27E-05	3.90E-06	5.19E-06	1.71E-05	1.18E-06
8407	470900.88	3819263.18	0.00005917	2.48E-04	2.24E-05	4.93E-05	1.83E-04	1.61E-05	5.59E-06	3.20E-05	3.82E-06	5.08E-06	1.67E-05	1.15E-06
8408	470900.96	3819253.53	0.000057886	2.43E-04	2.19E-05	4.82E-05	1.79E-04	1.57E-05	5.47E-06	3.13E-05	3.73E-06	4.97E-06	1.64E-05	1.13E-06
8409	470901.05	3819243.89	0.000056567	2.38E-04	2.14E-05	4.71E-05	1.75E-04	1.54E-05	5.34E-06	3.06E-05	3.65E-06	4.86E-06	1.60E-05	1.10E-06
8410	470935.48	3819465.29	0.000065881	2.77E-04	2.49E-05	5.49E-05	2.03E-04	1.79E-05	6.22E-06	3.56E-05	4.25E-06	5.66E-06	1.86E-05	1.29E-06
8411	470931.73	3819474.08	0.000066597	2.80E-04	2.52E-05	5.55E-05	2.06E-04	1.81E-05	6.29E-06	3.60E-05	4.30E-06	5.72E-06	1.89E-05	1.30E-06
8412	470927.99	3819482.88	0.000067281	2.83E-04	2.54E-05	5.60E-05	2.08E-04	1.83E-05	6.35E-06	3.64E-05	4.34E-06	5.78E-06	1.90E-05	1.31E-06
8413	470924.24	3819491.68	0.000067935	2.85E-04	2.57E-05	5.66E-05	2.10E-04	1.84E-05	6.42E-06	3.67E-05	4.38E-06	5.83E-06	1.92E-05	1.33E-06
8414	470920.49	3819500.47	0.000068551	2.88E-04	2.59E-05	5.71E-05	2.12E-04	1.86E-05	6.47E-06	3.71E-05	4.42E-06	5.88E-06	1.94E-05	1.34E-06
8415	470916.75	3819509.27	0.000069133	2.90E-04	2.61E-05	5.76E-05	2.13E-04	1.88E-05	6.53E-06	3.74E-05	4.46E-06	5.93E-06	1.96E-05	1.35E-06
8416	470913	3819518.07	0.000069681	2.93E-04	2.64E-05	5.80E-05	2.15E-04	1.89E-05	6.58E-06	3.77E-05	4.49E-06	5.98E-06	1.97E-05	1.36E-06
8417	470909.25	3819526.87	0.000070191	2.95E-04	2.65E-05	5.85E-05	2.17E-04	1.91E-05	6.63E-06	3.79E-05	4.53E-06	6.03E-06	1.99E-05	1.37E-06
8418	470905.51	3819535.66	0.000070658	2.97E-04	2.67E-05	5.89E-05	2.18E-04	1.92E-05	6.67E-06	3.82E-05	4.56E-06	6.07E-06	2.00E-05	1.38E-06
8419	470901.76	3819544.46	0.000071091	2.99E-04	2.69E-05	5.92E-05	2.19E-04	1.93E-05	6.71E-06	3.84E-05	4.59E-06	6.10E-06	2.01E-05	1.39E-06
8420	470898.01	3819553.26	0.00007148	3.00E-04	2.70E-05	5.95E-05	2.21E-04	1.94E-05	6.75E-06	3.86E-05	4.61E-06	6.14E-06	2.02E-05	1.39E-06
8421	470894.27	3819562.06	0.000071827	3.02E-04	2.72E-05	5.98E-05	2.22E-04	1.95E-05	6.78E-06	3.88E-05	4.63E-06	6.17E-06	2.03E-05	1.40E-06
8422	470890.52	3819570.85	0.000072134	3.03E-04	2.73E-05	6.01E-05	2.23E-04	1.96E-05	6.81E-06	3.90E-05	4.65E-06	6.19E-06	2.04E-05	1.41E-06
8423	470886.77	3819579.65	0.000072399	3.04E-04	2.74E-05	6.03E-05	2.23E-04	1.97E-05	6.84E-06	3.91E-05	4.67E-06	6.22E-06	2.05E-05	1.41E-06
8424	470883.03	3819588.45	0.000072625	3.05E-04	2.75E-05	6.05E-05	2.24E-04	1.97E-05	6.86E-06	3.93E-05	4.68E-06	6.23E-06	2.06E-05	1.42E-06
8425	470879.28	3819597.24	0.000072808	3.06E-04	2.75E-05	6.06E-05	2.25E-04	1.98E-05	6.88E-06	3.94E-05	4.70E-06	6.25E-06	2.06E-05	1.42E-06
8426	470864.3	3819632.43	0.000073121	3.07E-04	2.77E-05	6.09E-05	2.26E-04	1.98E-05	6.90E-06	3.95E-05	4.72E-06	6.28E-06	2.07E-05	1.43E-06
8427	470860.55	3819641.23	0.000073101	3.07E-04	2.76E-05	6.09E-05	2.26E-04	1.98E-05	6.90E-06	3.95E-05	4.72E-06	6.28E-06	2.07E-05	1.43E-06
8428	470856.8	3819650.03	0.000073044	3.07E-04	2.76E-05	6.08E-05	2.25E-04	1.98E-05	6.90E-06	3.95E-05	4.71E-06	6.27E-06	2.07E-05	1.43E-06
8429	470853.06	3819658.82	0.000072952	3.06E-04	2.76E-05	6.08E-05	2.25E-04	1.98E-05	6.89E-06	3.94E-05	4.71E-06	6.26E-06	2.07E-05	1.42E-06
8430	470849.31	3819667.62	0.000072832	3.06E-04	2.75E-05	6.07E-05	2.25E-04	1.98E-05	6.88E-06	3.94E-05	4.70E-06	6.25E-06	2.06E-05	1.42E-06
8431	470845.56	3819676.42	0.000072678	3.05E-04	2.75E-05	6.05E-05	2.24E-04	1.97E-05	6.86E-06	3.93E-05	4.69E-06	6.24E-06	2.06E-05	1.42E-06
8432	470841.82	3819685.22	0.00007249	3.04E-04	2.74E-05	6.04E-05	2.24E-04	1.97E-05	6.85E-06	3.92E-05	4.68E-06	6.22E-06	2.05E-05	1.41E-06
8433	470838.07	3819694.01	0.000072284	3.04E-04	2.73E-05	6.02E-05	2.23E-04	1.96E-05	6.83E-06	3.91E-05	4.66E-06	6.21E-06	2.05E-05	1.41E-06
8434	470834.32	3819702.81	0.000072053	3.03E-04	2.73E-05	6.00E-05	2.22E-04	1.96E-05	6.80E-06	3.90E-05	4.65E-06	6.19E-06	2.04E-05	1.41E-06
8435	470830.58	3819711.61	0.000071793	3.02E-04	2.72E-05	5.98E-05	2.22E-04	1.95E-05	6.78E-06	3.88E-05	4.63E-06	6.16E-06	2.03E-05	1.40E-06
8436	470826.83	3819720.4	0.000071519	3.00E-04	2.70E-05	5.96E-05	2.21E-04	1.94E-05	6.75E-06	3.87E-05	4.61E-06	6.14E-06	2.02E-05	1.40E-06
8437	470403.25	3820057.55	0.000094133	3.95E-04	3.56E-05	7.84E-05	2.90E-04	2.56E-05	8.89E-06	5.09E-05	6.07E-06	8.08E-06	2.66E-05	1.84E-06
8438	470394.37	3820061.1	0.000094989	3.99E-04	3.59E-05	7.91E-05	2.93E-04	2.58E-05	8.97E-06	5.14E-05	6.13E-06	8.15E-06	2.69E-05	1.85E-06
8439	470385.49	3820064.65	0.000095802	4.02E-04	3.62E-05	7.98E-05	2.96E-04	2.60E-05	9.05E-06	5.18E-05	6.18E-06	8.22E-06	2.71E-05	1.87E-06
8440	470376.61	3820068.19	0.000096572	4.06E-04	3.65E-05	8.04E-05	2.98E-04	2.62E-05	9.12E-06	5.22E-05	6.23E-06	8.29E-06	2.73E-05	1.88E-06
8441	470367.73	3820071.74	0.000097298	4.09E-04	3.68E-05	8.10E-05	3.00E-04	2.64E-05	9.19E-06	5.26E-05	6.28E-06	8.35E-06	2.75E-05	1.90E-06
8442	470358.86	3820075.29	0.000097977	4.11E-04	3.71E-05	8.16E-05	3.02E-04	2.66E-05	9.25E-06	5.30E-05	6.32E-06	8.41E-06	2.77E-05	1.91E-06
8443	470349.98	3820078.84	0.000098621	4.14E-04	3.73E-05	8.21E-05	3.04E-04	2.68E-05	9.31E-06	5.33E-05	6.36E-06	8.47E-06	2.79E-05	1.92E-06
8444	470341.1	3820082.38	0.000099232	4.17E-04	3.75E-05	8.27E-05	3.06E-04	2.69E-05	9.37E-06	5.36E-05	6.40E-06	8.52E-06	2.81E-05	1.94E-06
8445	470332.22	3820085.93	0.000099805	4.19E-04	3.77E-05	8.31E-05	3.08E-04	2.71E-05	9.42E-06	5.40E-05	6.44E-06	8.57E-06	2.83E-05	1.95E-06
8446	470323.34	3820089.48	0.00010034	4.21E-04	3.79E-05	8.36E-05	3.10E-04	2.72E-05	9.48E-06	5.42E-05	6.47E-06	8.61E-06	2.84E-05	1.96E-06
8447	470314.46	3820093.03	0.00010085	4.24E-04	3.81E-05	8.40E-05	3.11E-04	2.74E-05	9.52E-06	5.45E-05	6.50E-06	8.66E-06	2.85E-05	1.97E-06
8448	470305.58	3820096.58	0.00010133	4.26E-04	3.83E-05	8.44E-05	3.13E-04	2.75E-05	9.57E-06	5.48E-05	6.54E-06	8.70E-06	2.87E-05	1.98E-06
8449	470939.23	3819456.49	0.000065135	2.74E-04	2.46E-05	5.43E-05	2.01E-04	1.77E-05	6.15E-06	3.52E-05	4.20E-06	5.59E-06	1.84E-05	1.27E-06
8450	470939.31	3819446.84	0.000065015	2.73E-04	2.46E-05	5.42E-05	2.01E-04	1.76E-05	6.14E-06	3.51E-05	4.19E-06	5.58E-06	1.84E-05	1.27E-06
8451	470939.39	3819437.19	0.000064851	2.72E-04	2.45E-05	5.40E-05	2.00E-04	1.76E-05	6.12E-06	3.51E-05	4.18E-06	5.57E-06	1.84E-05	1.27E-06
8452	470939.47	3819427.54	0.000064635	2.71E-04	2.44E-05	5.38E-05	1.99E-04	1.75E-05	6.10E-06	3.49E-05	4.17E-06	5.55E-06	1.83E-05	1.26E-06
8453	470939.56	3819417.9	0.00006437	2.70E-04	2.43E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
8454	470939.64	3819408.25	0.000064057	2.69E-04	2.42E-05	5.34E-05	1.98E-04	1.74E-05	6.05E-06	3.46E-05	4.13E-06	5.50E-06	1.81E-05	1.25E-06
8455	470939.72	3819398.6	0.000063692	2.67E-04	2.41E-05	5.31E-05	1.97E-04	1.73E-05	6.01E-06	3.44E-05	4.11E-06	5.47E-06	1.80E-05	1.24E-06
8456	470939.8	3819388.95	0.000063278	2.66E-04	2.39E-05	5.27E-05	1.95E-04	1.72E-05	5.98E-06	3.42E-05	4.08E-06	5.43E-06	1.79E-05	1.23E-06
8457	470939.89	3819379.3	0.000062802	2.64E-04	2.38E-05	5.23E-05	1.94E-04	1.70E-05	5.93E-06	3.40E-05	4.05E-06	5.39E-06	1.78E-05	1.23E-06
8458	470939.97	3819369.66	0.000062282	2.62E-04	2.36E-05	5.19E-05	1.92E-04	1.69E-05	5.88E-06	3.37E-05	4.02E-06	5.35E-06	1.76E-05	1.22E-06
8459	470940.05	3819360.01	0.00006171	2.59E-04	2.33E-05	5.14E-05	1.90E-04	1.68E-05	5.83E-06	3.34E-05	3.98E-06	5.30E-06	1.75E-05	1.20E-06
8460	470940.14	3819350.36	0.00006108	2.57E-04	2.31E-05	5.09E-05	1.88E-04	1.66E-05	5.77E-06	3.30E-05	3.94E-06	5.24E-06	1.73E-05	1.19E-06
8461	470940.22	3819340.71	0.000060401	2.54E-04	2.28E-05	5.03E-05	1.86E-04	1.64E-05	5.70E-06	3.27E-05	3.90E-06	5.19E-06	1.71E-05	1.18E-06
8462	470940.3	3819331.06	0.000059675	2.51E-04	2.26E-05	4.97E-05	1.84E-04	1.62E-05	5.64E-06	3.23E-05	3.85E-06	5.12E-06	1.69E-05	1.16E-06
8463	470940.38	3819321.41	0.000058891	2.47E-04	2.23E-05	4.91E-05	1.82E-04	1.60E-05	5.56E-06	3.18E-05	3.80E-06	5.06E-06	1.67E-05	1.15E-06
8464	470940.47	3819311.77	0.000058059	2.44E-04	2.20E-05	4.84E-05	1.79E-04	1.58E-05	5.48E-06	3.14E-05	3.74E-06	4.98E-06	1.64E-05	1.13E-06

8465	470940.55	3819302.12	0.000057178	2.40E-04	2.16E-05	4.76E-05	1.76E-04	1.55E-05	5.40E-06	3.09E-05	3.69E-06	4.91E-06	1.62E-05	1.12E-06
8466	470940.63	3819292.47	0.000056245	2.36E-04	2.13E-05	4.68E-05	1.74E-04	1.53E-05	5.31E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
8467	470940.71	3819282.82	0.000055273	2.32E-04	2.09E-05	4.60E-05	1.71E-04	1.50E-05	5.22E-06	2.99E-05	3.57E-06	4.75E-06	1.56E-05	1.08E-06
8468	470940.8	3819273.17	0.000054263	2.28E-04	2.05E-05	4.52E-05	1.67E-04	1.47E-05	5.12E-06	2.93E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
8469	470940.88	3819263.53	0.000053219	2.24E-04	2.01E-05	4.43E-05	1.64E-04	1.44E-05	5.03E-06	2.88E-05	3.43E-06	4.57E-06	1.51E-05	1.04E-06
8470	470940.96	3819253.88	0.000052137	2.19E-04	1.97E-05	4.34E-05	1.61E-04	1.42E-05	4.92E-06	2.82E-05	3.36E-06	4.48E-06	1.48E-05	1.02E-06
8471	470941.05	3819244.23	0.000051026	2.14E-04	1.93E-05	4.25E-05	1.57E-04	1.39E-05	4.82E-06	2.76E-05	3.29E-06	4.38E-06	1.44E-05	9.96E-07
8472	470975.46	3819465.66	0.00005904	2.48E-04	2.23E-05	4.92E-05	1.82E-04	1.60E-05	5.58E-06	3.19E-05	3.81E-06	5.07E-06	1.67E-05	1.15E-06
8473	470971.7	3819474.49	0.000059675	2.51E-04	2.26E-05	4.97E-05	1.84E-04	1.62E-05	5.64E-06	3.23E-05	3.85E-06	5.12E-06	1.69E-05	1.16E-06
8474	470967.94	3819483.32	0.000060286	2.53E-04	2.28E-05	5.02E-05	1.86E-04	1.64E-05	5.69E-06	3.26E-05	3.89E-06	5.18E-06	1.71E-05	1.18E-06
8475	470964.18	3819492.15	0.000060873	2.56E-04	2.30E-05	5.07E-05	1.88E-04	1.65E-05	5.75E-06	3.29E-05	3.93E-06	5.23E-06	1.72E-05	1.19E-06
8476	470960.42	3819500.98	0.000061431	2.58E-04	2.32E-05	5.12E-05	1.90E-04	1.67E-05	5.80E-06	3.32E-05	3.96E-06	5.27E-06	1.74E-05	1.20E-06
8477	470956.66	3819509.81	0.00006196	2.60E-04	2.34E-05	5.16E-05	1.91E-04	1.68E-05	5.85E-06	3.35E-05	4.00E-06	5.32E-06	1.75E-05	1.21E-06
8478	470952.9	3819518.65	0.000062465	2.62E-04	2.36E-05	5.20E-05	1.93E-04	1.70E-05	5.90E-06	3.38E-05	4.03E-06	5.36E-06	1.77E-05	1.22E-06
8479	470949.14	3819527.48	0.000062937	2.64E-04	2.38E-05	5.24E-05	1.94E-04	1.71E-05	5.94E-06	3.40E-05	4.06E-06	5.40E-06	1.78E-05	1.23E-06
8480	470945.38	3819536.31	0.000063379	2.66E-04	2.40E-05	5.28E-05	1.96E-04	1.72E-05	5.98E-06	3.43E-05	4.09E-06	5.44E-06	1.79E-05	1.24E-06
8481	470941.62	3819545.14	0.000063793	2.68E-04	2.41E-05	5.31E-05	1.97E-04	1.73E-05	6.02E-06	3.45E-05	4.11E-06	5.48E-06	1.81E-05	1.24E-06
8482	470937.86	3819553.97	0.000064173	2.70E-04	2.43E-05	5.35E-05	1.98E-04	1.74E-05	6.06E-06	3.47E-05	4.14E-06	5.51E-06	1.82E-05	1.25E-06
8483	470934.1	3819562.8	0.000064519	2.71E-04	2.44E-05	5.37E-05	1.99E-04	1.75E-05	6.09E-06	3.49E-05	4.16E-06	5.54E-06	1.83E-05	1.26E-06
8484	470930.34	3819571.63	0.000064832	2.72E-04	2.45E-05	5.40E-05	2.00E-04	1.76E-05	6.12E-06	3.50E-05	4.18E-06	5.57E-06	1.84E-05	1.27E-06
8485	470926.57	3819580.46	0.000065111	2.73E-04	2.46E-05	5.42E-05	2.01E-04	1.77E-05	6.15E-06	3.52E-05	4.20E-06	5.59E-06	1.84E-05	1.27E-06
8486	470922.81	3819589.29	0.000065356	2.74E-04	2.47E-05	5.44E-05	2.02E-04	1.77E-05	6.17E-06	3.53E-05	4.22E-06	5.61E-06	1.85E-05	1.28E-06
8487	470919.05	3819598.12	0.000065568	2.75E-04	2.48E-05	5.46E-05	2.02E-04	1.78E-05	6.19E-06	3.54E-05	4.23E-06	5.63E-06	1.86E-05	1.28E-06
8488	470915.29	3819606.95	0.000065746	2.76E-04	2.49E-05	5.48E-05	2.03E-04	1.78E-05	6.21E-06	3.55E-05	4.24E-06	5.64E-06	1.86E-05	1.28E-06
8489	470911.53	3819615.78	0.00006589	2.77E-04	2.49E-05	5.49E-05	2.03E-04	1.79E-05	6.22E-06	3.56E-05	4.25E-06	5.66E-06	1.87E-05	1.29E-06
8490	470907.77	3819624.61	0.000065996	2.77E-04	2.50E-05	5.50E-05	2.04E-04	1.79E-05	6.23E-06	3.57E-05	4.26E-06	5.67E-06	1.87E-05	1.29E-06
8491	470896.49	3819651.1	0.000066112	2.78E-04	2.50E-05	5.51E-05	2.04E-04	1.79E-05	6.24E-06	3.57E-05	4.26E-06	5.68E-06	1.87E-05	1.29E-06
8492	470892.73	3819659.93	0.000066083	2.78E-04	2.50E-05	5.50E-05	2.04E-04	1.79E-05	6.24E-06	3.57E-05	4.26E-06	5.67E-06	1.87E-05	1.29E-06
8493	470888.97	3819668.76	0.00006603	2.77E-04	2.50E-05	5.50E-05	2.04E-04	1.79E-05	6.24E-06	3.57E-05	4.26E-06	5.67E-06	1.87E-05	1.29E-06
8494	470885.21	3819677.59	0.000065948	2.77E-04	2.49E-05	5.49E-05	2.04E-04	1.79E-05	6.23E-06	3.57E-05	4.25E-06	5.66E-06	1.87E-05	1.29E-06
8495	470881.45	3819686.43	0.000065837	2.76E-04	2.49E-05	5.48E-05	2.03E-04	1.79E-05	6.22E-06	3.56E-05	4.25E-06	5.65E-06	1.86E-05	1.28E-06
8496	470877.69	3819695.26	0.000065703	2.76E-04	2.48E-05	5.47E-05	2.03E-04	1.78E-05	6.20E-06	3.55E-05	4.24E-06	5.64E-06	1.86E-05	1.28E-06
8497	470873.93	3819704.09	0.000065544	2.75E-04	2.48E-05	5.46E-05	2.02E-04	1.78E-05	6.19E-06	3.54E-05	4.23E-06	5.63E-06	1.86E-05	1.28E-06
8498	470870.16	3819712.92	0.000065366	2.75E-04	2.47E-05	5.44E-05	2.02E-04	1.77E-05	6.17E-06	3.53E-05	4.22E-06	5.61E-06	1.85E-05	1.28E-06
8499	470866.4	3819721.75	0.000065164	2.74E-04	2.46E-05	5.43E-05	2.01E-04	1.77E-05	6.15E-06	3.52E-05	4.20E-06	5.59E-06	1.84E-05	1.27E-06
8500	470862.64	3819730.58	0.000064947	2.73E-04	2.46E-05	5.41E-05	2.00E-04	1.76E-05	6.13E-06	3.51E-05	4.19E-06	5.58E-06	1.84E-05	1.27E-06
8501	470858.88	3819739.41	0.000064712	2.72E-04	2.45E-05	5.39E-05	2.00E-04	1.76E-05	6.11E-06	3.50E-05	4.17E-06	5.56E-06	1.83E-05	1.26E-06
8502	470855.12	3819748.24	0.000064462	2.71E-04	2.44E-05	5.37E-05	1.99E-04	1.75E-05	6.09E-06	3.48E-05	4.16E-06	5.53E-06	1.82E-05	1.26E-06
8503	470851.36	3819757.07	0.000064202	2.70E-04	2.43E-05	5.35E-05	1.98E-04	1.74E-05	6.06E-06	3.47E-05	4.14E-06	5.51E-06	1.82E-05	1.25E-06
8504	470581.46	3820026.12	0.000068377	2.87E-04	2.59E-05	5.70E-05	2.11E-04	1.86E-05	6.46E-06	3.70E-05	4.41E-06	5.87E-06	1.94E-05	1.33E-06
8505	470572.54	3820029.68	0.000069243	2.91E-04	2.62E-05	5.77E-05	2.14E-04	1.88E-05	6.54E-06	3.74E-05	4.47E-06	5.94E-06	1.96E-05	1.35E-06
8506	470563.63	3820033.25	0.000070138	2.95E-04	2.65E-05	5.84E-05	2.16E-04	1.90E-05	6.62E-06	3.79E-05	4.52E-06	6.02E-06	1.99E-05	1.37E-06
8507	470554.72	3820036.81	0.000071047	2.98E-04	2.69E-05	5.92E-05	2.19E-04	1.93E-05	6.71E-06	3.84E-05	4.58E-06	6.10E-06	2.01E-05	1.39E-06
8508	470545.8	3820040.37	0.000071976	3.02E-04	2.72E-05	6.00E-05	2.22E-04	1.95E-05	6.80E-06	3.89E-05	4.64E-06	6.18E-06	2.04E-05	1.40E-06
8509	470536.89	3820043.93	0.000072923	3.06E-04	2.76E-05	6.07E-05	2.25E-04	1.98E-05	6.89E-06	3.94E-05	4.70E-06	6.26E-06	2.06E-05	1.42E-06
8510	470527.98	3820047.49	0.0000739	3.10E-04	2.79E-05	6.16E-05	2.28E-04	2.01E-05	6.98E-06	4.00E-05	4.77E-06	6.34E-06	2.09E-05	1.44E-06
8511	470519.07	3820051.05	0.000074905	3.15E-04	2.83E-05	6.24E-05	2.31E-04	2.03E-05	7.07E-06	4.05E-05	4.83E-06	6.43E-06	2.12E-05	1.46E-06
8512	470510.15	3820054.61	0.00007592	3.19E-04	2.87E-05	6.32E-05	2.34E-04	2.06E-05	7.17E-06	4.10E-05	4.90E-06	6.52E-06	2.15E-05	1.48E-06
8513	470501.24	3820058.17	0.00007694	3.23E-04	2.91E-05	6.41E-05	2.37E-04	2.09E-05	7.27E-06	4.16E-05	4.96E-06	6.61E-06	2.18E-05	1.50E-06
8514	470492.33	3820061.73	0.000077931	3.27E-04	2.95E-05	6.49E-05	2.40E-04	2.12E-05	7.36E-06	4.21E-05	5.03E-06	6.69E-06	2.21E-05	1.52E-06
8515	470483.41	3820065.3	0.000078903	3.31E-04	2.98E-05	6.57E-05	2.43E-04	2.14E-05	7.45E-06	4.27E-05	5.09E-06	6.77E-06	2.23E-05	1.54E-06
8516	470474.5	3820068.86	0.00007986	3.35E-04	3.02E-05	6.65E-05	2.46E-04	2.17E-05	7.54E-06	4.32E-05	5.15E-06	6.86E-06	2.26E-05	1.56E-06
8517	470465.59	3820072.42	0.000080817	3.39E-04	3.06E-05	6.73E-05	2.49E-04	2.19E-05	7.63E-06	4.37E-05	5.21E-06	6.94E-06	2.29E-05	1.58E-06
8518	470456.68	3820075.98	0.00008177	3.43E-04	3.09E-05	6.81E-05	2.52E-04	2.22E-05	7.72E-06	4.42E-05	5.27E-06	7.02E-06	2.31E-05	1.60E-06
8519	470447.76	3820079.54	0.000082694	3.47E-04	3.13E-05	6.89E-05	2.55E-04	2.24E-05	7.81E-06	4.47E-05	5.33E-06	7.10E-06	2.34E-05	1.61E-06
8520	470438.85	3820083.1	0.000083588	3.51E-04	3.16E-05	6.96E-05	2.58E-04	2.27E-05	7.89E-06	4.52E-05	5.39E-06	7.18E-06	2.37E-05	1.63E-06
8521	470429.94	3820086.66	0.000084445	3.55E-04	3.19E-05	7.03E-05	2.61E-04	2.29E-05	7.97E-06	4.57E-05	5.45E-06	7.25E-06	2.39E-05	1.65E-06
8522	470421.02	3820090.22	0.000085267	3.58E-04	3.22E-05	7.10E-05	2.63E-04	2.31E-05	8.05E-06	4.61E-05	5.50E-06	7.32E-06	2.41E-05	1.66E-06
8523	470412.11	3820093.78	0.000086047	3.61E-04	3.25E-05	7.17E-05	2.66E-04	2.34E-05	8.13E-06	4.65E-05	5.55E-06	7.39E-06	2.44E-05	1.68E-06
8524	470403.2	3820097.35	0.000086778	3.64E-04	3.28E-05	7.23E-05	2.68E-04	2.36E-05	8.19E-06	4.69E-05	5.60E-06	7.45E-06	2.46E-05	1.69E-06
8525	470394.29	3820100.91	0.000087466	3.67E-04	3.31E-05	7.29E-05	2.70E-04	2.37E-05	8.26E-06	4.73E-05	5.64E-06	7.51E-06	2.48E-05	1.71E-06
8526	470385.37	3820104.47	0.000088115	3.70E-04	3.33E-05	7.34E-05	2.72E-04	2.39E-05	8.32E-06	4.76E-05	5.68E-06	7.56E-06	2.49E-05	1.72E-06
8527	470376.46	3820108.03	0.000088721	3.73E-04	3.36E-05	7.39E-05	2.74E-04	2.41E-05	8.38E-06	4.80E-05	5.72E-06	7.62E-06	2.51E-05	1.73E-06
8528	470367.55	3820111.59	0.000089289	3.75E-04	3.38E-05	7.44E-05	2.76E-04	2.42E-05	8.43E-06	4.83E-05	5.76E-06	7.67E-06	2.53E-05	1.74E-06
8529	470358.63	3820115.15	0.000089828	3.77E-04	3.40E-05	7.48E-05	2.77E-04	2.44E-05	8.48E-06	4.86E-05	5.79E-06	7.71E-06	2.54E-05	1.75E-06
8530	470349.72	3820118.71	0.000090328	3.79E-04	3.42E-05	7.52E-05	2.79E-04	2.45E-05	8.53E-06	4.88E-05	5.83E-06	7.75E-06	2.56E-05	1.76E-06
8531	470340.81	3820122.27	0.000090799	3.81E-04	3.43E-05	7.56E-05	2.80E-04	2.46E-05	8.57E-06	4.91E-05	5.86E-06	7.79E-06	2.57E-05	1.77E-06
8532	470331.9	3820125.83	0.000091252	3.83E-04	3.45E-05	7.60E-05	2.82E-04	2.48E-05	8.62E-06	4.93E-05	5.89E-06	7.83E-06	2.58E-05	1.78E-06
8533	470322.98	3820129.4	0.000091689	3.85E-04	3.47E-05	7.64E-05	2.83E-04	2.49E-05	8.66E-06	4.96E-05	5.91E-06	7.87E-06	2.60E-05	1.79E-06
8534	470314.07	3820132.96	0.000092132	3.87E-04	3.48E-05	7.67E-05	2.84E-04	2.50E-05	8.70E-06	4.98E-05	5.94E-06	7.91E-06	2.61E-05	1.80E-06
8535	470305.16	3820136.52	0.00009256	3.89E-04	3.50E-05	7.71E-05	2.86E-04	2.51E-05	8.74E-06	5.00E-05	5.97E-06	7.95E-06	2.62E-05	1.81E-06
8536	470296.24	3820140.08	0.000092955	3.90E-04	3.52E-05	7.74E-05	2.87E-04	2.52E-05	8.78E-06	5.03E-05	6.00E-06	7.98E-06	2.63E-05	1.81E-06
8537	470979.22	3819456.83	0.000058381	2.45E-04	2.21E-05	4.86E-05	1.80E-04	1.58E-05	5.51E-06	3.16E-05	3.77E-06	5.01E-06	1.65E-05	1.14E-06

8538	470979.31	3819447.18	0.000058256	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
8539	470979.39	3819437.54	0.000058097	2.44E-04	2.20E-05	4.84E-05	1.79E-04	1.58E-05	5.49E-06	3.14E-05	3.75E-06	4.99E-06	1.64E-05	1.13E-06
8540	470979.47	3819427.89	0.000057895	2.43E-04	2.19E-05	4.82E-05	1.79E-04	1.57E-05	5.47E-06	3.13E-05	3.73E-06	4.97E-06	1.64E-05	1.13E-06
8541	470979.56	3819418.24	0.000057655	2.42E-04	2.18E-05	4.80E-05	1.78E-04	1.57E-05	5.44E-06	3.12E-05	3.72E-06	4.95E-06	1.63E-05	1.12E-06
8542	470979.64	3819408.59	0.000057376	2.41E-04	2.17E-05	4.78E-05	1.77E-04	1.56E-05	5.42E-06	3.10E-05	3.70E-06	4.93E-06	1.62E-05	1.12E-06
8543	470979.72	3819398.94	0.000057053	2.40E-04	2.16E-05	4.75E-05	1.76E-04	1.55E-05	5.39E-06	3.08E-05	3.68E-06	4.90E-06	1.61E-05	1.11E-06
8544	470979.8	3819389.29	0.000056692	2.38E-04	2.14E-05	4.72E-05	1.75E-04	1.54E-05	5.35E-06	3.06E-05	3.66E-06	4.87E-06	1.60E-05	1.11E-06
8545	470979.89	3819379.65	0.000056284	2.36E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.31E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
8546	470979.97	3819370	0.000055836	2.34E-04	2.11E-05	4.65E-05	1.72E-04	1.52E-05	5.27E-06	3.02E-05	3.60E-06	4.79E-06	1.58E-05	1.09E-06
8547	470980.05	3819360.35	0.000055346	2.32E-04	2.09E-05	4.61E-05	1.71E-04	1.50E-05	5.23E-06	2.99E-05	3.57E-06	4.75E-06	1.57E-05	1.08E-06
8548	470980.13	3819350.7	0.000054807	2.30E-04	2.07E-05	4.57E-05	1.69E-04	1.49E-05	5.18E-06	2.96E-05	3.54E-06	4.71E-06	1.55E-05	1.07E-06
8549	470980.22	3819341.05	0.00005422	2.28E-04	2.05E-05	4.52E-05	1.67E-04	1.47E-05	5.12E-06	2.93E-05	3.50E-06	4.65E-06	1.53E-05	1.06E-06
8550	470980.3	3819331.41	0.000053594	2.25E-04	2.03E-05	4.46E-05	1.65E-04	1.45E-05	5.06E-06	2.90E-05	3.46E-06	4.60E-06	1.52E-05	1.05E-06
8551	470980.38	3819321.76	0.000052921	2.22E-04	2.00E-05	4.41E-05	1.63E-04	1.44E-05	5.00E-06	2.86E-05	3.41E-06	4.54E-06	1.50E-05	1.03E-06
8552	470980.47	3819312.11	0.000052209	2.19E-04	1.97E-05	4.35E-05	1.61E-04	1.42E-05	4.93E-06	2.82E-05	3.37E-06	4.48E-06	1.48E-05	1.02E-06
8553	470980.55	3819302.46	0.000051463	2.16E-04	1.95E-05	4.29E-05	1.59E-04	1.40E-05	4.86E-06	2.78E-05	3.32E-06	4.42E-06	1.46E-05	1.00E-06
8554	470980.63	3819292.81	0.000050679	2.13E-04	1.92E-05	4.22E-05	1.56E-04	1.38E-05	4.79E-06	2.74E-05	3.27E-06	4.35E-06	1.43E-05	9.89E-07
8555	470980.71	3819283.16	0.000049857	2.09E-04	1.89E-05	4.15E-05	1.54E-04	1.35E-05	4.71E-06	2.70E-05	3.22E-06	4.28E-06	1.41E-05	9.73E-07
8556	470980.8	3819273.52	0.000049	2.06E-04	1.85E-05	4.08E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.56E-07
8557	470980.88	3819263.87	0.00004811	2.02E-04	1.82E-05	4.01E-05	1.48E-04	1.31E-05	4.54E-06	2.60E-05	3.10E-06	4.13E-06	1.36E-05	9.39E-07
8558	470980.96	3819254.22	0.000047192	1.98E-04	1.78E-05	3.93E-05	1.46E-04	1.28E-05	4.46E-06	2.55E-05	3.04E-06	4.05E-06	1.34E-05	9.21E-07
8559	470981.04	3819244.57	0.000046244	1.94E-04	1.75E-05	3.85E-05	1.43E-04	1.26E-05	4.37E-06	2.50E-05	2.98E-06	3.97E-06	1.31E-05	9.02E-07
8560	471055.5	3819466.26	0.000048139	2.02E-04	1.82E-05	4.01E-05	1.49E-04	1.31E-05	4.55E-06	2.60E-05	3.11E-06	4.13E-06	1.36E-05	9.39E-07
8561	471051.77	3819475.01	0.000048635	2.04E-04	1.84E-05	4.05E-05	1.50E-04	1.32E-05	4.59E-06	2.63E-05	3.14E-06	4.18E-06	1.38E-05	9.49E-07
8562	471048.05	3819483.76	0.000049116	2.06E-04	1.86E-05	4.09E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.58E-07
8563	471044.32	3819492.5	0.000049582	2.08E-04	1.88E-05	4.13E-05	1.53E-04	1.35E-05	4.68E-06	2.68E-05	3.20E-06	4.26E-06	1.40E-05	9.68E-07
8564	471040.6	3819501.25	0.00005003	2.10E-04	1.89E-05	4.17E-05	1.54E-04	1.36E-05	4.72E-06	2.70E-05	3.23E-06	4.29E-06	1.42E-05	9.76E-07
8565	471036.87	3819510	0.000050463	2.12E-04	1.91E-05	4.20E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.25E-06	4.33E-06	1.43E-05	9.85E-07
8566	471033.15	3819518.74	0.000050877	2.14E-04	1.92E-05	4.24E-05	1.57E-04	1.38E-05	4.80E-06	2.75E-05	3.28E-06	4.37E-06	1.44E-05	9.93E-07
8567	471029.42	3819527.49	0.000051276	2.15E-04	1.94E-05	4.27E-05	1.58E-04	1.39E-05	4.84E-06	2.77E-05	3.31E-06	4.40E-06	1.45E-05	1.00E-06
8568	471025.7	3819536.24	0.000051651	2.17E-04	1.95E-05	4.30E-05	1.59E-04	1.40E-05	4.88E-06	2.79E-05	3.33E-06	4.43E-06	1.46E-05	1.01E-06
8569	471021.97	3819544.98	0.000052012	2.18E-04	1.97E-05	4.33E-05	1.61E-04	1.41E-05	4.91E-06	2.81E-05	3.35E-06	4.47E-06	1.47E-05	1.01E-06
8570	471018.25	3819553.73	0.000052349	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.94E-06	2.83E-05	3.38E-06	4.49E-06	1.48E-05	1.02E-06
8571	471014.52	3819562.47	0.000052671	2.21E-04	1.99E-05	4.39E-05	1.63E-04	1.43E-05	4.97E-06	2.85E-05	3.40E-06	4.52E-06	1.49E-05	1.03E-06
8572	471010.8	3819571.22	0.000052969	2.22E-04	2.00E-05	4.41E-05	1.63E-04	1.44E-05	5.00E-06	2.86E-05	3.42E-06	4.55E-06	1.50E-05	1.03E-06
8573	471007.07	3819579.97	0.000053248	2.24E-04	2.01E-05	4.44E-05	1.64E-04	1.45E-05	5.03E-06	2.88E-05	3.43E-06	4.57E-06	1.51E-05	1.04E-06
8574	471003.35	3819588.71	0.000053508	2.25E-04	2.02E-05	4.46E-05	1.65E-04	1.45E-05	5.05E-06	2.89E-05	3.45E-06	4.59E-06	1.51E-05	1.04E-06
8575	470999.62	3819597.46	0.000053744	2.26E-04	2.03E-05	4.48E-05	1.66E-04	1.46E-05	5.08E-06	2.91E-05	3.47E-06	4.61E-06	1.52E-05	1.05E-06
8576	470995.9	3819606.21	0.000053955	2.27E-04	2.04E-05	4.49E-05	1.66E-04	1.46E-05	5.10E-06	2.92E-05	3.48E-06	4.63E-06	1.53E-05	1.05E-06
8577	470992.17	3819614.95	0.000054143	2.27E-04	2.05E-05	4.51E-05	1.67E-04	1.47E-05	5.11E-06	2.93E-05	3.49E-06	4.65E-06	1.53E-05	1.06E-06
8578	470988.45	3819623.7	0.000054311	2.28E-04	2.05E-05	4.52E-05	1.68E-04	1.47E-05	5.13E-06	2.94E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
8579	470984.72	3819632.45	0.000054451	2.29E-04	2.06E-05	4.54E-05	1.68E-04	1.48E-05	5.14E-06	2.94E-05	3.51E-06	4.67E-06	1.54E-05	1.06E-06
8580	470981	3819641.19	0.000054571	2.29E-04	2.06E-05	4.55E-05	1.68E-04	1.48E-05	5.15E-06	2.95E-05	3.52E-06	4.68E-06	1.54E-05	1.06E-06
8581	470977.27	3819649.94	0.000054667	2.30E-04	2.07E-05	4.55E-05	1.69E-04	1.48E-05	5.16E-06	2.96E-05	3.53E-06	4.69E-06	1.55E-05	1.07E-06
8582	470973.55	3819658.69	0.000054739	2.30E-04	2.07E-05	4.56E-05	1.69E-04	1.49E-05	5.17E-06	2.96E-05	3.53E-06	4.70E-06	1.55E-05	1.07E-06
8583	470969.82	3819667.43	0.000054788	2.30E-04	2.07E-05	4.56E-05	1.69E-04	1.49E-05	5.17E-06	2.96E-05	3.53E-06	4.70E-06	1.55E-05	1.07E-06
8584	470954.93	3819702.42	0.000054759	2.30E-04	2.07E-05	4.56E-05	1.69E-04	1.49E-05	5.17E-06	2.96E-05	3.53E-06	4.70E-06	1.55E-05	1.07E-06
8585	470951.2	3819711.16	0.000054701	2.30E-04	2.07E-05	4.56E-05	1.69E-04	1.48E-05	5.17E-06	2.96E-05	3.53E-06	4.70E-06	1.55E-05	1.07E-06
8586	470947.48	3819719.91	0.000054624	2.29E-04	2.07E-05	4.55E-05	1.69E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
8587	470943.75	3819728.66	0.000054528	2.29E-04	2.06E-05	4.54E-05	1.68E-04	1.48E-05	5.15E-06	2.95E-05	3.52E-06	4.68E-06	1.54E-05	1.06E-06
8588	470940.03	3819737.4	0.000054422	2.29E-04	2.06E-05	4.53E-05	1.68E-04	1.48E-05	5.14E-06	2.94E-05	3.51E-06	4.67E-06	1.54E-05	1.06E-06
8589	470936.3	3819746.15	0.000054297	2.28E-04	2.05E-05	4.52E-05	1.68E-04	1.47E-05	5.13E-06	2.94E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
8590	470932.58	3819754.9	0.000054157	2.27E-04	2.05E-05	4.51E-05	1.67E-04	1.47E-05	5.11E-06	2.93E-05	3.49E-06	4.65E-06	1.53E-05	1.06E-06
8591	470928.85	3819763.64	0.000054008	2.27E-04	2.04E-05	4.50E-05	1.67E-04	1.47E-05	5.10E-06	2.92E-05	3.48E-06	4.64E-06	1.53E-05	1.05E-06
8592	470925.13	3819772.39	0.000053845	2.26E-04	2.04E-05	4.49E-05	1.66E-04	1.46E-05	5.08E-06	2.91E-05	3.47E-06	4.62E-06	1.52E-05	1.05E-06
8593	470921.4	3819781.14	0.000053671	2.25E-04	2.03E-05	4.47E-05	1.66E-04	1.46E-05	5.07E-06	2.90E-05	3.46E-06	4.61E-06	1.52E-05	1.05E-06
8594	470917.68	3819789.88	0.000053489	2.25E-04	2.02E-05	4.46E-05	1.65E-04	1.45E-05	5.05E-06	2.89E-05	3.45E-06	4.59E-06	1.51E-05	1.04E-06
8595	470872.98	3819894.84	0.000050775	2.13E-04	1.92E-05	4.23E-05	1.57E-04	1.38E-05	4.79E-06	2.74E-05	3.28E-06	4.36E-06	1.44E-05	9.91E-07
8596	470869.25	3819903.58	0.000050501	2.12E-04	1.91E-05	4.21E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.26E-06	4.34E-06	1.43E-05	9.85E-07
8597	470865.53	3819912.33	0.000050222	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.74E-06	2.72E-05	3.24E-06	4.31E-06	1.42E-05	9.80E-07
8598	470861.8	3819921.08	0.000049934	2.10E-04	1.89E-05	4.16E-05	1.54E-04	1.36E-05	4.72E-06	2.70E-05	3.22E-06	4.29E-06	1.41E-05	9.74E-07
8599	470858.08	3819929.82	0.000049645	2.08E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.69E-06	2.68E-05	3.20E-06	4.26E-06	1.41E-05	9.69E-07
8600	470854.35	3819938.57	0.000049352	2.07E-04	1.87E-05	4.11E-05	1.52E-04	1.34E-05	4.66E-06	2.67E-05	3.18E-06	4.24E-06	1.40E-05	9.63E-07
8601	470850.63	3819947.32	0.000049053	2.06E-04	1.86E-05	4.09E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.57E-07
8602	470846.9	3819956.06	0.000048741	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.60E-06	2.63E-05	3.14E-06	4.18E-06	1.38E-05	9.51E-07
8603	470843.18	3819964.81	0.000048418	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.57E-06	2.62E-05	3.12E-06	4.16E-06	1.37E-05	9.45E-07
8604	470839.45	3819973.56	0.000048086	2.02E-04	1.82E-05	4.01E-05	1.48E-04	1.31E-05	4.54E-06	2.60E-05	3.10E-06	4.13E-06	1.36E-05	9.38E-07
8605	470835.73	3819982.3	0.000047754	2.01E-04	1.81E-05	3.98E-05	1.47E-04	1.30E-05	4.51E-06	2.58E-05	3.08E-06	4.10E-06	1.35E-05	9.32E-07
8606	470832	3819991.05	0.000047413	1.99E-04	1.79E-05	3.95E-05	1.46E-04	1.29E-05	4.48E-06	2.56E-05	3.06E-06	4.07E-06	1.34E-05	9.25E-07
8607	470828.28	3819999.8	0.000047076	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.45E-06	2.54E-05	3.04E-06	4.04E-06	1.33E-05	9.19E-07
8608	470815.73	3820012.07	0.00004711	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.04E-06	1.33E-05	9.19E-07
8609	470806.9	3820015.6	0.000047485	1.99E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.48E-06	2.57E-05	3.06E-06	4.08E-06	1.34E-05	9.27E-07
8610	470798.07	3820019.12	0.000047855	2.01E-04	1.81E-05	3.99E-05	1.48E-04	1.30E-05	4.52E-06	2.59E-05	3.09E-06	4.11E-06	1.35E-05	9.34E-07

8611	470789.24	3820022.65	0.00004824	2.03E-04	1.82E-05	4.02E-05	1.49E-04	1.31E-05	4.56E-06	2.61E-05	3.11E-06	4.14E-06	1.37E-05	9.41E-07
8612	470780.42	3820026.18	0.00004862	2.04E-04	1.84E-05	4.05E-05	1.50E-04	1.32E-05	4.59E-06	2.63E-05	3.14E-06	4.17E-06	1.38E-05	9.49E-07
8613	470771.59	3820029.7	0.000049	2.06E-04	1.85E-05	4.08E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.56E-07
8614	470762.76	3820033.23	0.000049371	2.07E-04	1.87E-05	4.11E-05	1.52E-04	1.34E-05	4.66E-06	2.67E-05	3.18E-06	4.24E-06	1.40E-05	9.63E-07
8615	470753.93	3820036.76	0.000049746	2.09E-04	1.88E-05	4.14E-05	1.54E-04	1.35E-05	4.70E-06	2.69E-05	3.21E-06	4.27E-06	1.41E-05	9.71E-07
8616	470745.1	3820040.29	0.000050121	2.10E-04	1.90E-05	4.17E-05	1.55E-04	1.36E-05	4.73E-06	2.71E-05	3.23E-06	4.30E-06	1.42E-05	9.78E-07
8617	470665.65	3820072.03	0.00005409	2.27E-04	2.05E-05	4.51E-05	1.67E-04	1.47E-05	5.11E-06	2.92E-05	3.49E-06	4.64E-06	1.53E-05	1.06E-06
8618	470656.82	3820075.56	0.000054614	2.29E-04	2.07E-05	4.55E-05	1.69E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
8619	470648	3820079.09	0.000055163	2.32E-04	2.09E-05	4.59E-05	1.70E-04	1.50E-05	5.21E-06	2.98E-05	3.56E-06	4.74E-06	1.56E-05	1.08E-06
8620	470639.17	3820082.61	0.000055745	2.34E-04	2.11E-05	4.64E-05	1.72E-04	1.51E-05	5.26E-06	3.01E-05	3.60E-06	4.79E-06	1.58E-05	1.09E-06
8621	470630.34	3820086.14	0.000056346	2.37E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.32E-06	3.05E-05	3.63E-06	4.84E-06	1.59E-05	1.10E-06
8622	470621.51	3820089.67	0.000056972	2.39E-04	2.15E-05	4.75E-05	1.76E-04	1.55E-05	5.38E-06	3.08E-05	3.67E-06	4.89E-06	1.61E-05	1.11E-06
8623	470612.68	3820093.19	0.000057626	2.42E-04	2.18E-05	4.80E-05	1.78E-04	1.56E-05	5.44E-06	3.12E-05	3.72E-06	4.95E-06	1.63E-05	1.12E-06
8624	470603.86	3820096.72	0.000058304	2.45E-04	2.21E-05	4.86E-05	1.80E-04	1.58E-05	5.51E-06	3.15E-05	3.76E-06	5.01E-06	1.65E-05	1.14E-06
8625	470595.03	3820100.25	0.000059011	2.48E-04	2.23E-05	4.92E-05	1.82E-04	1.60E-05	5.57E-06	3.19E-05	3.81E-06	5.07E-06	1.67E-05	1.15E-06
8626	470586.2	3820103.78	0.000059733	2.51E-04	2.26E-05	4.98E-05	1.84E-04	1.62E-05	5.64E-06	3.23E-05	3.85E-06	5.13E-06	1.69E-05	1.17E-06
8627	470577.37	3820107.3	0.000060478	2.54E-04	2.29E-05	5.04E-05	1.87E-04	1.64E-05	5.71E-06	3.27E-05	3.90E-06	5.19E-06	1.71E-05	1.18E-06
8628	470568.54	3820110.83	0.000061238	2.57E-04	2.32E-05	5.10E-05	1.89E-04	1.66E-05	5.78E-06	3.31E-05	3.95E-06	5.26E-06	1.73E-05	1.19E-06
8629	470559.72	3820114.36	0.000062013	2.60E-04	2.35E-05	5.17E-05	1.91E-04	1.68E-05	5.86E-06	3.35E-05	4.00E-06	5.32E-06	1.76E-05	1.21E-06
8630	470550.89	3820117.88	0.000062797	2.64E-04	2.37E-05	5.23E-05	1.94E-04	1.70E-05	5.93E-06	3.39E-05	4.05E-06	5.39E-06	1.78E-05	1.23E-06
8631	470542.06	3820121.41	0.000063586	2.67E-04	2.40E-05	5.30E-05	1.96E-04	1.73E-05	6.00E-06	3.44E-05	4.10E-06	5.46E-06	1.80E-05	1.24E-06
8632	470533.23	3820124.94	0.000064389	2.70E-04	2.44E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
8633	470524.4	3820128.47	0.000065188	2.74E-04	2.47E-05	5.43E-05	2.01E-04	1.77E-05	6.16E-06	3.52E-05	4.20E-06	5.60E-06	1.85E-05	1.27E-06
8634	470515.58	3820131.99	0.000065977	2.77E-04	2.50E-05	5.50E-05	2.04E-04	1.79E-05	6.23E-06	3.57E-05	4.26E-06	5.66E-06	1.87E-05	1.29E-06
8635	470506.75	3820135.52	0.000066761	2.80E-04	2.52E-05	5.56E-05	2.06E-04	1.81E-05	6.30E-06	3.61E-05	4.31E-06	5.73E-06	1.89E-05	1.30E-06
8636	470497.92	3820139.05	0.000067531	2.84E-04	2.55E-05	5.62E-05	2.08E-04	1.83E-05	6.38E-06	3.65E-05	4.36E-06	5.80E-06	1.91E-05	1.32E-06
8637	470489.09	3820142.57	0.000068281	2.87E-04	2.58E-05	5.69E-05	2.11E-04	1.85E-05	6.45E-06	3.69E-05	4.40E-06	5.86E-06	1.93E-05	1.33E-06
8638	470480.26	3820146.1	0.000069012	2.90E-04	2.61E-05	5.75E-05	2.13E-04	1.87E-05	6.52E-06	3.73E-05	4.45E-06	5.92E-06	1.95E-05	1.35E-06
8639	470471.44	3820149.63	0.000069719	2.93E-04	2.64E-05	5.81E-05	2.15E-04	1.89E-05	6.58E-06	3.77E-05	4.50E-06	5.99E-06	1.97E-05	1.36E-06
8640	470462.61	3820153.16	0.000070403	2.96E-04	2.66E-05	5.86E-05	2.17E-04	1.91E-05	6.65E-06	3.81E-05	4.54E-06	6.04E-06	1.99E-05	1.37E-06
8641	470453.78	3820156.68	0.000071062	2.98E-04	2.69E-05	5.92E-05	2.19E-04	1.93E-05	6.71E-06	3.84E-05	4.58E-06	6.10E-06	2.01E-05	1.39E-06
8642	470444.95	3820160.21	0.000071682	3.01E-04	2.71E-05	5.97E-05	2.21E-04	1.95E-05	6.77E-06	3.88E-05	4.62E-06	6.15E-06	2.03E-05	1.40E-06
8643	470436.12	3820163.74	0.000072279	3.04E-04	2.73E-05	6.02E-05	2.23E-04	1.96E-05	6.83E-06	3.91E-05	4.66E-06	6.20E-06	2.05E-05	1.41E-06
8644	470427.3	3820167.27	0.000072837	3.06E-04	2.75E-05	6.07E-05	2.25E-04	1.98E-05	6.88E-06	3.94E-05	4.70E-06	6.25E-06	2.06E-05	1.42E-06
8645	470418.47	3820170.79	0.000073366	3.08E-04	2.77E-05	6.11E-05	2.26E-04	1.99E-05	6.93E-06	3.97E-05	4.73E-06	6.30E-06	2.08E-05	1.43E-06
8646	470409.64	3820174.32	0.000073866	3.10E-04	2.79E-05	6.15E-05	2.28E-04	2.01E-05	6.98E-06	3.99E-05	4.76E-06	6.34E-06	2.09E-05	1.44E-06
8647	470400.81	3820177.85	0.000074333	3.12E-04	2.81E-05	6.19E-05	2.29E-04	2.02E-05	7.02E-06	4.02E-05	4.79E-06	6.38E-06	2.10E-05	1.45E-06
8648	470391.98	3820181.37	0.000074771	3.14E-04	2.83E-05	6.23E-05	2.31E-04	2.03E-05	7.06E-06	4.04E-05	4.82E-06	6.42E-06	2.12E-05	1.46E-06
8649	470383.16	3820184.9	0.000075184	3.16E-04	2.84E-05	6.26E-05	2.32E-04	2.04E-05	7.10E-06	4.06E-05	4.85E-06	6.45E-06	2.13E-05	1.47E-06
8650	470374.33	3820188.43	0.000075569	3.17E-04	2.86E-05	6.29E-05	2.33E-04	2.05E-05	7.14E-06	4.09E-05	4.87E-06	6.49E-06	2.14E-05	1.47E-06
8651	470365.5	3820191.96	0.00007593	3.19E-04	2.87E-05	6.32E-05	2.34E-04	2.06E-05	7.17E-06	4.10E-05	4.90E-06	6.52E-06	2.15E-05	1.48E-06
8652	470356.67	3820195.48	0.000076271	3.20E-04	2.88E-05	6.35E-05	2.35E-04	2.07E-05	7.20E-06	4.12E-05	4.92E-06	6.55E-06	2.16E-05	1.49E-06
8653	470347.84	3820199.01	0.000076603	3.22E-04	2.90E-05	6.38E-05	2.36E-04	2.08E-05	7.23E-06	4.14E-05	4.94E-06	6.58E-06	2.17E-05	1.49E-06
8654	470339.02	3820202.54	0.000076935	3.23E-04	2.91E-05	6.41E-05	2.37E-04	2.09E-05	7.27E-06	4.16E-05	4.96E-06	6.60E-06	2.18E-05	1.50E-06
8655	470330.19	3820206.06	0.000077267	3.24E-04	2.92E-05	6.44E-05	2.38E-04	2.10E-05	7.30E-06	4.18E-05	4.98E-06	6.63E-06	2.19E-05	1.51E-06
8656	470321.36	3820209.59	0.000077599	3.26E-04	2.93E-05	6.46E-05	2.39E-04	2.11E-05	7.33E-06	4.20E-05	5.01E-06	6.66E-06	2.20E-05	1.51E-06
8657	470312.53	3820213.12	0.000077893	3.27E-04	2.95E-05	6.49E-05	2.40E-04	2.11E-05	7.36E-06	4.21E-05	5.02E-06	6.69E-06	2.20E-05	1.52E-06
8658	470303.7	3820216.65	0.000078172	3.28E-04	2.96E-05	6.51E-05	2.41E-04	2.12E-05	7.38E-06	4.23E-05	5.04E-06	6.71E-06	2.21E-05	1.53E-06
8659	470294.88	3820220.17	0.000078446	3.29E-04	2.97E-05	6.53E-05	2.42E-04	2.13E-05	7.41E-06	4.24E-05	5.06E-06	6.73E-06	2.22E-05	1.53E-06
8660	470286.05	3820223.7	0.000078739	3.31E-04	2.98E-05	6.56E-05	2.43E-04	2.14E-05	7.44E-06	4.26E-05	5.08E-06	6.76E-06	2.23E-05	1.54E-06
8661	470277.22	3820227.23	0.000079023	3.32E-04	2.99E-05	6.58E-05	2.44E-04	2.15E-05	7.46E-06	4.27E-05	5.10E-06	6.78E-06	2.24E-05	1.54E-06
8662	471059.22	3819457.52	0.000047629	2.00E-04	1.80E-05	3.97E-05	1.47E-04	1.29E-05	4.50E-06	2.57E-05	3.07E-06	4.09E-06	1.35E-05	9.29E-07
8663	471059.3	3819447.87	0.000047509	2.00E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.49E-06	2.57E-05	3.06E-06	4.08E-06	1.34E-05	9.27E-07
8664	471059.39	3819438.22	0.00004736	1.99E-04	1.79E-05	3.94E-05	1.46E-04	1.29E-05	4.47E-06	2.56E-05	3.05E-06	4.07E-06	1.34E-05	9.24E-07
8665	471059.47	3819428.57	0.000047196	1.98E-04	1.78E-05	3.93E-05	1.46E-04	1.28E-05	4.46E-06	2.55E-05	3.04E-06	4.05E-06	1.34E-05	9.21E-07
8666	471059.55	3819418.93	0.000046999	1.97E-04	1.78E-05	3.91E-05	1.45E-04	1.28E-05	4.44E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.17E-07
8667	471059.63	3819409.28	0.000046773	1.96E-04	1.77E-05	3.90E-05	1.44E-04	1.27E-05	4.42E-06	2.53E-05	3.02E-06	4.02E-06	1.32E-05	9.13E-07
8668	471059.72	3819399.63	0.000046518	1.95E-04	1.76E-05	3.87E-05	1.44E-04	1.26E-05	4.39E-06	2.51E-05	3.00E-06	3.99E-06	1.32E-05	9.08E-07
8669	471059.8	3819389.98	0.000046239	1.94E-04	1.75E-05	3.85E-05	1.43E-04	1.26E-05	4.37E-06	2.50E-05	2.98E-06	3.97E-06	1.31E-05	9.02E-07
8670	471059.88	3819380.33	0.000045926	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.34E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.96E-07
8671	471059.97	3819370.68	0.000045585	1.91E-04	1.72E-05	3.80E-05	1.41E-04	1.24E-05	4.30E-06	2.46E-05	2.94E-06	3.91E-06	1.29E-05	8.89E-07
8672	471060.05	3819361.04	0.000045214	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.27E-06	2.44E-05	2.92E-06	3.88E-06	1.28E-05	8.82E-07
8673	471060.13	3819351.39	0.00004481	1.88E-04	1.69E-05	3.73E-05	1.38E-04	1.22E-05	4.23E-06	2.42E-05	2.89E-06	3.85E-06	1.27E-05	8.74E-07
8674	471060.21	3819341.74	0.000044382	1.86E-04	1.68E-05	3.70E-05	1.37E-04	1.20E-05	4.19E-06	2.40E-05	2.86E-06	3.81E-06	1.26E-05	8.66E-07
8675	471060.3	3819332.09	0.000043916	1.84E-04	1.66E-05	3.66E-05	1.36E-04	1.19E-05	4.15E-06	2.37E-05	2.83E-06	3.77E-06	1.24E-05	8.57E-07
8676	471060.38	3819322.44	0.000043425	1.82E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.47E-07
8677	471060.46	3819312.8	0.000042901	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.77E-06	3.68E-06	1.21E-05	8.37E-07
8678	471060.54	3819303.15	0.000042343	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.64E-06	1.20E-05	8.26E-07
8679	471060.63	3819293.5	0.000041756	1.75E-04	1.58E-05	3.48E-05	1.29E-04	1.13E-05	3.94E-06	2.26E-05	2.69E-06	3.58E-06	1.18E-05	8.15E-07
8680	471060.71	3819283.85	0.000041145	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.03E-07
8681	471060.79	3819274.2	0.000040515	1.70E-04	1.53E-05	3.37E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.61E-06	3.48E-06	1.15E-05	7.91E-07
8682	471060.88	3819264.55	0.000039856	1.67E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.78E-07
8683	471060.96	3819254.91	0.000039177	1.65E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.36E-06	1.11E-05	7.64E-07

8684	471135.47	3819467.01	0.000039961	1.68E-04	1.51E-05	3.33E-05	1.23E-04	1.08E-05	3.77E-06	2.16E-05	2.58E-06	3.43E-06	1.13E-05	7.80E-07
8685	471131.72	3819475.81	0.000040356	1.69E-04	1.53E-05	3.36E-05	1.25E-04	1.10E-05	3.81E-06	2.18E-05	2.60E-06	3.46E-06	1.14E-05	7.87E-07
8686	471127.97	3819484.62	0.000040741	1.71E-04	1.54E-05	3.39E-05	1.26E-04	1.11E-05	3.85E-06	2.20E-05	2.63E-06	3.50E-06	1.15E-05	7.95E-07
8687	471124.22	3819493.42	0.000041116	1.73E-04	1.56E-05	3.42E-05	1.27E-04	1.12E-05	3.88E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.02E-07
8688	471120.47	3819502.23	0.000041481	1.74E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.92E-06	2.24E-05	2.68E-06	3.56E-06	1.17E-05	8.09E-07
8689	471116.72	3819511.03	0.000041833	1.76E-04	1.58E-05	3.48E-05	1.29E-04	1.14E-05	3.95E-06	2.26E-05	2.70E-06	3.59E-06	1.18E-05	8.16E-07
8690	471112.97	3819519.84	0.000042179	1.77E-04	1.60E-05	3.51E-05	1.30E-04	1.15E-05	3.98E-06	2.28E-05	2.72E-06	3.62E-06	1.19E-05	8.23E-07
8691	471109.22	3819528.64	0.000042511	1.79E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.01E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.29E-07
8692	471105.47	3819537.45	0.000042828	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.04E-06	2.32E-05	2.76E-06	3.68E-06	1.21E-05	8.36E-07
8693	471101.72	3819546.25	0.000043141	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.42E-07
8694	471097.97	3819555.06	0.000043435	1.82E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.48E-07
8695	471094.22	3819563.86	0.000043718	1.84E-04	1.65E-05	3.64E-05	1.35E-04	1.19E-05	4.13E-06	2.36E-05	2.82E-06	3.75E-06	1.24E-05	8.53E-07
8696	471090.47	3819572.67	0.000043993	1.85E-04	1.66E-05	3.66E-05	1.36E-04	1.19E-05	4.15E-06	2.38E-05	2.84E-06	3.78E-06	1.25E-05	8.58E-07
8697	471086.72	3819581.47	0.000044248	1.86E-04	1.67E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.39E-05	2.85E-06	3.80E-06	1.25E-05	8.63E-07
8698	471082.97	3819590.28	0.000044493	1.87E-04	1.68E-05	3.71E-05	1.37E-04	1.21E-05	4.20E-06	2.41E-05	2.87E-06	3.82E-06	1.26E-05	8.68E-07
8699	471079.22	3819599.08	0.000044719	1.88E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.22E-06	2.42E-05	2.88E-06	3.84E-06	1.27E-05	8.73E-07
8700	471075.47	3819607.89	0.000044935	1.89E-04	1.70E-05	3.74E-05	1.39E-04	1.22E-05	4.24E-06	2.43E-05	2.90E-06	3.86E-06	1.27E-05	8.77E-07
8701	471071.72	3819616.69	0.000045133	1.90E-04	1.71E-05	3.76E-05	1.39E-04	1.23E-05	4.26E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.81E-07
8702	471067.97	3819625.5	0.000045316	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.92E-06	3.89E-06	1.28E-05	8.84E-07
8703	471064.22	3819634.3	0.000045484	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.23E-05	4.30E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.88E-07
8704	471060.47	3819643.11	0.000045633	1.92E-04	1.73E-05	3.80E-05	1.41E-04	1.24E-05	4.31E-06	2.47E-05	2.94E-06	3.92E-06	1.29E-05	8.90E-07
8705	471056.72	3819651.91	0.000045763	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.32E-06	2.47E-05	2.95E-06	3.93E-06	1.30E-05	8.93E-07
8706	471052.97	3819660.72	0.000045878	1.93E-04	1.74E-05	3.82E-05	1.42E-04	1.25E-05	4.33E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.95E-07
8707	471049.22	3819669.52	0.000045975	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.34E-06	2.49E-05	2.97E-06	3.95E-06	1.30E-05	8.97E-07
8708	471045.47	3819678.33	0.000046056	1.93E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.95E-06	1.30E-05	8.99E-07
8709	471041.72	3819687.13	0.000046119	1.94E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.36E-06	2.49E-05	2.97E-06	3.96E-06	1.31E-05	9.00E-07
8710	471015.48	3819748.77	0.0000461	1.94E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.96E-06	1.30E-05	9.00E-07
8711	471011.73	3819757.57	0.000046037	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.95E-06	1.30E-05	8.98E-07
8712	471007.98	3819766.38	0.000045965	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.34E-06	2.48E-05	2.96E-06	3.95E-06	1.30E-05	8.97E-07
8713	471004.23	3819775.18	0.000045878	1.93E-04	1.74E-05	3.82E-05	1.42E-04	1.25E-05	4.33E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.95E-07
8714	471000.48	3819783.99	0.000045782	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.32E-06	2.47E-05	2.95E-06	3.93E-06	1.30E-05	8.93E-07
8715	470996.73	3819792.79	0.000045676	1.92E-04	1.73E-05	3.80E-05	1.41E-04	1.24E-05	4.31E-06	2.47E-05	2.95E-06	3.92E-06	1.29E-05	8.91E-07
8716	470992.98	3819801.6	0.000045566	1.91E-04	1.72E-05	3.80E-05	1.41E-04	1.24E-05	4.30E-06	2.46E-05	2.94E-06	3.91E-06	1.29E-05	8.89E-07
8717	470989.23	3819810.4	0.000045445	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.23E-05	4.29E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.87E-07
8718	470985.48	3819819.21	0.000045316	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.92E-06	3.89E-06	1.28E-05	8.84E-07
8719	470981.73	3819828.01	0.000045181	1.90E-04	1.71E-05	3.76E-05	1.39E-04	1.23E-05	4.27E-06	2.44E-05	2.91E-06	3.88E-06	1.28E-05	8.82E-07
8720	470977.98	3819836.82	0.000045041	1.89E-04	1.70E-05	3.75E-05	1.39E-04	1.22E-05	4.25E-06	2.43E-05	2.91E-06	3.87E-06	1.27E-05	8.79E-07
8721	470974.23	3819845.62	0.000044892	1.89E-04	1.70E-05	3.74E-05	1.39E-04	1.22E-05	4.24E-06	2.43E-05	2.90E-06	3.85E-06	1.27E-05	8.76E-07
8722	470970.48	3819854.42	0.000044743	1.88E-04	1.69E-05	3.73E-05	1.38E-04	1.21E-05	4.23E-06	2.42E-05	2.89E-06	3.84E-06	1.27E-05	8.73E-07
8723	470966.73	3819863.23	0.000044584	1.87E-04	1.69E-05	3.71E-05	1.38E-04	1.21E-05	4.21E-06	2.41E-05	2.88E-06	3.83E-06	1.26E-05	8.70E-07
8724	470962.98	3819872.03	0.000044426	1.87E-04	1.68E-05	3.70E-05	1.37E-04	1.21E-05	4.20E-06	2.40E-05	2.87E-06	3.81E-06	1.26E-05	8.67E-07
8725	470959.23	3819880.84	0.000044262	1.86E-04	1.67E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.39E-05	2.85E-06	3.80E-06	1.25E-05	8.64E-07
8726	470955.48	3819889.64	0.000044098	1.85E-04	1.67E-05	3.67E-05	1.36E-04	1.20E-05	4.16E-06	2.38E-05	2.84E-06	3.79E-06	1.25E-05	8.61E-07
8727	470951.73	3819898.45	0.000043925	1.84E-04	1.66E-05	3.66E-05	1.36E-04	1.19E-05	4.15E-06	2.37E-05	2.83E-06	3.77E-06	1.24E-05	8.57E-07
8728	470947.98	3819907.25	0.000043747	1.84E-04	1.65E-05	3.64E-05	1.35E-04	1.19E-05	4.13E-06	2.37E-05	2.82E-06	3.76E-06	1.24E-05	8.54E-07
8729	470944.23	3819916.06	0.000043564	1.83E-04	1.65E-05	3.63E-05	1.34E-04	1.18E-05	4.11E-06	2.36E-05	2.81E-06	3.74E-06	1.23E-05	8.50E-07
8730	470940.48	3819924.86	0.000043382	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.72E-06	1.23E-05	8.47E-07
8731	470936.73	3819933.67	0.000043194	1.81E-04	1.63E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.43E-07
8732	470921.73	3819968.89	0.000042405	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.74E-06	3.64E-06	1.20E-05	8.27E-07
8733	470917.98	3819977.69	0.000042193	1.77E-04	1.60E-05	3.51E-05	1.30E-04	1.15E-05	3.98E-06	2.28E-05	2.72E-06	3.62E-06	1.19E-05	8.23E-07
8734	470914.23	3819986.5	0.000041972	1.76E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.96E-06	2.27E-05	2.71E-06	3.60E-06	1.19E-05	8.19E-07
8735	470910.48	3819995.3	0.000041741	1.75E-04	1.58E-05	3.48E-05	1.29E-04	1.13E-05	3.94E-06	2.26E-05	2.69E-06	3.58E-06	1.18E-05	8.14E-07
8736	470906.73	3820004.11	0.000041506	1.74E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.92E-06	2.24E-05	2.68E-06	3.56E-06	1.17E-05	8.10E-07
8737	470902.98	3820012.91	0.00004127	1.73E-04	1.56E-05	3.44E-05	1.27E-04	1.12E-05	3.90E-06	2.23E-05	2.66E-06	3.54E-06	1.17E-05	8.05E-07
8738	470899.23	3820021.72	0.000041029	1.72E-04	1.55E-05	3.42E-05	1.27E-04	1.11E-05	3.87E-06	2.22E-05	2.65E-06	3.52E-06	1.16E-05	8.01E-07
8739	470895.48	3820030.52	0.000040789	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.21E-05	2.63E-06	3.50E-06	1.15E-05	7.96E-07
8740	470891.73	3820039.33	0.000040534	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.61E-06	3.48E-06	1.15E-05	7.91E-07
8741	470887.98	3820048.13	0.000040274	1.69E-04	1.52E-05	3.35E-05	1.24E-04	1.09E-05	3.80E-06	2.18E-05	2.60E-06	3.46E-06	1.14E-05	7.86E-07
8742	470884.23	3820056.94	0.000040009	1.68E-04	1.51E-05	3.33E-05	1.23E-04	1.09E-05	3.78E-06	2.16E-05	2.58E-06	3.43E-06	1.13E-05	7.81E-07
8743	470871.6	3820069.29	0.000040048	1.68E-04	1.51E-05	3.34E-05	1.24E-04	1.09E-05	3.78E-06	2.16E-05	2.58E-06	3.44E-06	1.13E-05	7.81E-07
8744	470862.71	3820072.84	0.000040346	1.69E-04	1.53E-05	3.36E-05	1.25E-04	1.10E-05	3.81E-06	2.18E-05	2.60E-06	3.46E-06	1.14E-05	7.87E-07
8745	470853.82	3820076.4	0.00004063	1.71E-04	1.54E-05	3.38E-05	1.25E-04	1.10E-05	3.84E-06	2.20E-05	2.62E-06	3.49E-06	1.15E-05	7.93E-07
8746	470844.94	3820079.95	0.000040909	1.72E-04	1.55E-05	3.41E-05	1.26E-04	1.11E-05	3.86E-06	2.21E-05	2.64E-06	3.51E-06	1.16E-05	7.98E-07
8747	470836.05	3820083.5	0.000041183	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.23E-05	2.66E-06	3.54E-06	1.17E-05	8.04E-07
8748	470827.16	3820087.05	0.000041467	1.74E-04	1.57E-05	3.45E-05	1.28E-04	1.13E-05	3.92E-06	2.24E-05	2.67E-06	3.56E-06	1.17E-05	8.09E-07
8749	470818.27	3820090.6	0.000041756	1.75E-04	1.58E-05	3.48E-05	1.29E-04	1.13E-05	3.94E-06	2.26E-05	2.69E-06	3.58E-06	1.18E-05	8.15E-07
8750	470809.39	3820094.15	0.00004204	1.77E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.97E-06	2.27E-05	2.71E-06	3.61E-06	1.19E-05	8.20E-07
8751	470800.5	3820097.7	0.000042323	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.63E-06	1.20E-05	8.26E-07
8752	470791.61	3820101.25	0.000042626	1.79E-04	1.61E-05	3.55E-05	1.32E-04	1.16E-05	4.03E-06	2.30E-05	2.75E-06	3.66E-06	1.21E-05	8.32E-07
8753	470782.73	3820104.8	0.000042929	1.80E-04	1.62E-05	3.58E-05	1.32E-04	1.17E-05	4.05E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.38E-07
8754	470773.84	3820108.35	0.000043237	1.82E-04	1.64E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.44E-07
8755	470764.95	3820111.9	0.00004355	1.83E-04	1.65E-05	3.63E-05	1.34E-04	1.18E-05	4.11E-06	2.35E-05	2.81E-06	3.74E-06	1.23E-05	8.50E-07
8756	470684.97	3820143.86	0.000046884	1.97E-04	1.77E-05	3.91E-05	1.45E-04	1.27E-05	4.43E-06	2.53E-05	3.02E-06	4.02E-06	1.33E-05	9.15E-07

8757	470676.08	3820147.41	0.000047336	1.99E-04	1.79E-05	3.94E-05	1.46E-04	1.28E-05	4.47E-06	2.56E-05	3.05E-06	4.06E-06	1.34E-05	9.24E-07
8758	470667.2	3820150.96	0.000047822	2.01E-04	1.81E-05	3.98E-05	1.48E-04	1.30E-05	4.52E-06	2.59E-05	3.08E-06	4.11E-06	1.35E-05	9.33E-07
8759	470658.31	3820154.51	0.000048337	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.56E-06	2.61E-05	3.12E-06	4.15E-06	1.37E-05	9.43E-07
8760	470649.42	3820158.06	0.00004888	2.05E-04	1.85E-05	4.07E-05	1.51E-04	1.33E-05	4.62E-06	2.64E-05	3.15E-06	4.20E-06	1.38E-05	9.54E-07
8761	470640.53	3820161.61	0.000049419	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.67E-05	3.19E-06	4.24E-06	1.40E-05	9.64E-07
8762	470631.65	3820165.16	0.000049982	2.10E-04	1.89E-05	4.16E-05	1.54E-04	1.36E-05	4.72E-06	2.70E-05	3.22E-06	4.29E-06	1.41E-05	9.75E-07
8763	470622.76	3820168.72	0.000050564	2.12E-04	1.91E-05	4.21E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.26E-06	4.34E-06	1.43E-05	9.87E-07
8764	470613.87	3820172.27	0.00005116	2.15E-04	1.93E-05	4.26E-05	1.58E-04	1.39E-05	4.83E-06	2.77E-05	3.30E-06	4.39E-06	1.45E-05	9.98E-07
8765	470604.99	3820175.82	0.000051771	2.17E-04	1.96E-05	4.31E-05	1.60E-04	1.41E-05	4.89E-06	2.80E-05	3.34E-06	4.44E-06	1.47E-05	1.01E-06
8766	470596.1	3820179.37	0.000052397	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.95E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
8767	470587.21	3820182.92	0.000053036	2.23E-04	2.01E-05	4.42E-05	1.64E-04	1.44E-05	5.01E-06	2.87E-05	3.42E-06	4.55E-06	1.50E-05	1.03E-06
8768	470578.32	3820186.47	0.000053681	2.25E-04	2.03E-05	4.47E-05	1.66E-04	1.46E-05	5.07E-06	2.90E-05	3.46E-06	4.61E-06	1.52E-05	1.05E-06
8769	470569.44	3820190.02	0.000054335	2.28E-04	2.05E-05	4.53E-05	1.68E-04	1.47E-05	5.13E-06	2.94E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
8770	470560.55	3820193.57	0.000054999	2.31E-04	2.08E-05	4.58E-05	1.70E-04	1.49E-05	5.19E-06	2.97E-05	3.55E-06	4.72E-06	1.56E-05	1.07E-06
8771	470551.66	3820197.12	0.000055663	2.34E-04	2.11E-05	4.64E-05	1.72E-04	1.51E-05	5.26E-06	3.01E-05	3.59E-06	4.78E-06	1.58E-05	1.09E-06
8772	470542.78	3820200.67	0.000056322	2.37E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.32E-06	3.04E-05	3.63E-06	4.84E-06	1.59E-05	1.10E-06
8773	470533.89	3820204.22	0.000056972	2.39E-04	2.15E-05	4.75E-05	1.76E-04	1.55E-05	5.38E-06	3.08E-05	3.67E-06	4.89E-06	1.61E-05	1.11E-06
8774	470525	3820207.77	0.000057611	2.42E-04	2.18E-05	4.80E-05	1.78E-04	1.56E-05	5.44E-06	3.11E-05	3.72E-06	4.95E-06	1.63E-05	1.12E-06
8775	470516.12	3820211.32	0.000058237	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
8776	470507.23	3820214.88	0.000058848	2.47E-04	2.23E-05	4.90E-05	1.82E-04	1.60E-05	5.56E-06	3.18E-05	3.80E-06	5.05E-06	1.67E-05	1.15E-06
8777	470498.34	3820218.43	0.00005943	2.50E-04	2.25E-05	4.95E-05	1.83E-04	1.61E-05	5.61E-06	3.21E-05	3.83E-06	5.10E-06	1.68E-05	1.16E-06
8778	470489.45	3820221.98	0.000059988	2.52E-04	2.27E-05	5.00E-05	1.85E-04	1.63E-05	5.66E-06	3.24E-05	3.87E-06	5.15E-06	1.70E-05	1.17E-06
8779	470480.57	3820225.53	0.000060527	2.54E-04	2.29E-05	5.04E-05	1.87E-04	1.64E-05	5.72E-06	3.27E-05	3.90E-06	5.20E-06	1.71E-05	1.18E-06
8780	470471.68	3820229.08	0.000061036	2.56E-04	2.31E-05	5.08E-05	1.88E-04	1.66E-05	5.76E-06	3.30E-05	3.94E-06	5.24E-06	1.73E-05	1.19E-06
8781	470462.79	3820232.63	0.000061522	2.58E-04	2.33E-05	5.12E-05	1.90E-04	1.67E-05	5.81E-06	3.33E-05	3.97E-06	5.28E-06	1.74E-05	1.20E-06
8782	470453.91	3820236.18	0.000061979	2.60E-04	2.34E-05	5.16E-05	1.91E-04	1.68E-05	5.85E-06	3.35E-05	4.00E-06	5.32E-06	1.75E-05	1.21E-06
8783	470445.02	3820239.73	0.000062412	2.62E-04	2.36E-05	5.20E-05	1.93E-04	1.69E-05	5.89E-06	3.37E-05	4.03E-06	5.36E-06	1.77E-05	1.22E-06
8784	470436.13	3820243.28	0.000062816	2.64E-04	2.38E-05	5.23E-05	1.94E-04	1.71E-05	5.93E-06	3.40E-05	4.05E-06	5.39E-06	1.78E-05	1.23E-06
8785	470427.25	3820246.83	0.000063201	2.65E-04	2.39E-05	5.26E-05	1.95E-04	1.72E-05	5.97E-06	3.42E-05	4.08E-06	5.43E-06	1.79E-05	1.23E-06
8786	470418.36	3820250.38	0.000063557	2.67E-04	2.40E-05	5.29E-05	1.96E-04	1.73E-05	6.00E-06	3.44E-05	4.10E-06	5.46E-06	1.80E-05	1.24E-06
8787	470409.47	3820253.93	0.000063884	2.68E-04	2.42E-05	5.32E-05	1.97E-04	1.73E-05	6.03E-06	3.45E-05	4.12E-06	5.48E-06	1.81E-05	1.25E-06
8788	470400.58	3820257.48	0.000064197	2.70E-04	2.43E-05	5.35E-05	1.98E-04	1.74E-05	6.06E-06	3.47E-05	4.14E-06	5.51E-06	1.82E-05	1.25E-06
8789	470391.7	3820261.04	0.000064486	2.71E-04	2.44E-05	5.37E-05	1.99E-04	1.75E-05	6.09E-06	3.49E-05	4.16E-06	5.54E-06	1.83E-05	1.26E-06
8790	470382.81	3820264.59	0.00006476	2.72E-04	2.45E-05	5.39E-05	2.00E-04	1.76E-05	6.12E-06	3.50E-05	4.18E-06	5.56E-06	1.83E-05	1.26E-06
8791	470373.92	3820268.14	0.000065015	2.73E-04	2.46E-05	5.42E-05	2.01E-04	1.76E-05	6.14E-06	3.51E-05	4.19E-06	5.58E-06	1.84E-05	1.27E-06
8792	470365.04	3820271.69	0.00006526	2.74E-04	2.47E-05	5.44E-05	2.01E-04	1.77E-05	6.16E-06	3.53E-05	4.21E-06	5.60E-06	1.85E-05	1.27E-06
8793	470356.15	3820275.24	0.000065491	2.75E-04	2.48E-05	5.46E-05	2.02E-04	1.78E-05	6.18E-06	3.54E-05	4.22E-06	5.62E-06	1.85E-05	1.28E-06
8794	470347.26	3820278.79	0.000065736	2.76E-04	2.49E-05	5.48E-05	2.03E-04	1.78E-05	6.21E-06	3.55E-05	4.24E-06	5.64E-06	1.86E-05	1.28E-06
8795	470338.37	3820282.34	0.000065996	2.77E-04	2.50E-05	5.50E-05	2.04E-04	1.79E-05	6.23E-06	3.57E-05	4.26E-06	5.67E-06	1.87E-05	1.29E-06
8796	470329.49	3820285.89	0.000066246	2.78E-04	2.51E-05	5.52E-05	2.04E-04	1.80E-05	6.26E-06	3.58E-05	4.27E-06	5.69E-06	1.88E-05	1.29E-06
8797	470320.6	3820289.44	0.000066477	2.79E-04	2.51E-05	5.54E-05	2.05E-04	1.80E-05	6.28E-06	3.59E-05	4.29E-06	5.71E-06	1.88E-05	1.30E-06
8798	470311.71	3820292.99	0.000066703	2.80E-04	2.52E-05	5.56E-05	2.06E-04	1.81E-05	6.30E-06	3.61E-05	4.30E-06	5.73E-06	1.89E-05	1.30E-06
8799	470302.83	3820296.54	0.000066934	2.81E-04	2.53E-05	5.58E-05	2.07E-04	1.82E-05	6.32E-06	3.62E-05	4.32E-06	5.75E-06	1.89E-05	1.31E-06
8800	470293.94	3820300.09	0.000067175	2.82E-04	2.54E-05	5.60E-05	2.07E-04	1.82E-05	6.34E-06	3.63E-05	4.33E-06	5.77E-06	1.90E-05	1.31E-06
8801	470285.05	3820303.65	0.000067401	2.83E-04	2.55E-05	5.61E-05	2.08E-04	1.83E-05	6.36E-06	3.64E-05	4.35E-06	5.79E-06	1.91E-05	1.32E-06
8802	470276.17	3820307.2	0.000067612	2.84E-04	2.56E-05	5.63E-05	2.09E-04	1.84E-05	6.38E-06	3.66E-05	4.36E-06	5.80E-06	1.91E-05	1.32E-06
8803	471139.22	3819458.2	0.000039552	1.66E-04	1.50E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.72E-07
8804	471139.3	3819448.56	0.000039447	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.54E-06	3.39E-06	1.12E-05	7.70E-07
8805	471139.38	3819438.91	0.000039322	1.65E-04	1.49E-05	3.28E-05	1.21E-04	1.07E-05	3.71E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.67E-07
8806	471139.47	3819429.26	0.000039182	1.65E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.36E-06	1.11E-05	7.65E-07
8807	471139.55	3819419.61	0.000039018	1.64E-04	1.48E-05	3.25E-05	1.20E-04	1.06E-05	3.68E-06	2.11E-05	2.52E-06	3.35E-06	1.10E-05	7.61E-07
8808	471139.63	3819409.96	0.00003884	1.63E-04	1.47E-05	3.24E-05	1.20E-04	1.05E-05	3.67E-06	2.10E-05	2.51E-06	3.33E-06	1.10E-05	7.58E-07
8809	471139.71	3819400.31	0.000038638	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.49E-06	3.32E-06	1.09E-05	7.54E-07
8810	471139.8	3819390.67	0.000038417	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
8811	471139.88	3819381.02	0.000038172	1.60E-04	1.44E-05	3.18E-05	1.18E-04	1.04E-05	3.60E-06	2.06E-05	2.46E-06	3.28E-06	1.08E-05	7.45E-07
8812	471139.96	3819371.37	0.000037907	1.59E-04	1.43E-05	3.16E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.45E-06	3.25E-06	1.07E-05	7.40E-07
8813	471140.05	3819361.72	0.000037619	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.43E-06	3.23E-06	1.06E-05	7.34E-07
8814	471140.13	3819352.07	0.000037311	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.52E-06	2.02E-05	2.41E-06	3.20E-06	1.06E-05	7.28E-07
8815	471140.21	3819342.43	0.000036979	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.49E-06	2.00E-05	2.39E-06	3.17E-06	1.05E-05	7.22E-07
8816	471140.62	3819294.18	0.000034982	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.50E-06	3.30E-06	1.89E-05	2.26E-06	3.00E-06	9.90E-06	6.83E-07
8817	471140.71	3819284.54	0.000034521	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.37E-06	3.26E-06	1.87E-05	2.23E-06	2.96E-06	9.77E-06	6.74E-07
8818	471140.79	3819274.89	0.00003404	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.24E-06	3.21E-06	1.84E-05	2.20E-06	2.92E-06	9.64E-06	6.64E-07
8819	471140.87	3819265.24	0.000033544	1.41E-04	1.27E-05	2.79E-05	1.04E-04	9.11E-06	3.17E-06	1.81E-05	2.16E-06	2.88E-06	9.50E-06	6.55E-07
8820	471140.96	3819255.59	0.000033029	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.97E-06	3.12E-06	1.79E-05	2.13E-06	2.84E-06	9.35E-06	6.44E-07
8821	471141.04	3819245.94	0.0000325	1.36E-04	1.23E-05	2.71E-05	1.00E-04	8.82E-06	3.07E-06	1.76E-05	2.10E-06	2.79E-06	9.20E-06	6.34E-07
8822	471215.44	3819467.74	0.000033674	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.14E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.53E-06	6.57E-07
8823	471211.67	3819476.6	0.000033996	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.23E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.62E-06	6.63E-07
8824	471207.9	3819485.45	0.000034304	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.31E-06	3.24E-06	1.85E-05	2.21E-06	2.94E-06	9.71E-06	6.69E-07
8825	471204.13	3819494.31	0.000034612	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.40E-06	3.27E-06	1.87E-05	2.23E-06	2.97E-06	9.80E-06	6.75E-07
8826	471200.36	3819503.16	0.000034905	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.48E-06	3.30E-06	1.89E-05	2.25E-06	3.00E-06	9.88E-06	6.81E-07
8827	471196.59	3819512.01	0.000035199	1.48E-04	1.33E-05	2.93E-05	1.09E-04	9.56E-06	3.32E-06	1.90E-05	2.27E-06	3.02E-06	9.96E-06	6.87E-07
8828	471192.82	3819520.87	0.000035483	1.49E-04	1.34E-05	2.96E-05	1.09E-04	9.63E-06	3.35E-06	1.92E-05	2.29E-06	3.05E-06	1.00E-05	6.92E-07
8829	471189.05	3819529.72	0.000035757	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.71E-06	3.38E-06	1.93E-05	2.31E-06	3.07E-06	1.01E-05	6.98E-07

8830	471185.28	3819538.58	0.000036026	1.51E-04	1.36E-05	3.00E-05	1.11E-04	9.78E-06	3.40E-06	1.95E-05	2.32E-06	3.09E-06	1.02E-05	7.03E-07
8831	471181.51	3819547.43	0.000036286	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.85E-06	3.43E-06	1.96E-05	2.34E-06	3.12E-06	1.03E-05	7.08E-07
8832	471177.74	3819556.28	0.000036541	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.92E-06	3.45E-06	1.98E-05	2.36E-06	3.14E-06	1.03E-05	7.13E-07
8833	471173.97	3819565.14	0.000036786	1.54E-04	1.39E-05	3.06E-05	1.14E-04	9.99E-06	3.47E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.18E-07
8834	471170.2	3819573.99	0.000037022	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.50E-06	2.00E-05	2.39E-06	3.18E-06	1.05E-05	7.22E-07
8835	471143.8	3819635.97	0.000038422	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
8836	471140.03	3819644.82	0.000038581	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
8837	471136.26	3819653.68	0.000038725	1.63E-04	1.46E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.09E-05	2.50E-06	3.32E-06	1.10E-05	7.56E-07
8838	471132.49	3819662.53	0.00003886	1.63E-04	1.47E-05	3.24E-05	1.20E-04	1.05E-05	3.67E-06	2.10E-05	2.51E-06	3.34E-06	1.10E-05	7.58E-07
8839	471128.72	3819671.39	0.00003898	1.64E-04	1.47E-05	3.25E-05	1.20E-04	1.06E-05	3.68E-06	2.11E-05	2.51E-06	3.35E-06	1.10E-05	7.61E-07
8840	471124.95	3819680.24	0.000039086	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.36E-06	1.11E-05	7.63E-07
8841	471121.18	3819689.1	0.000039182	1.65E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.36E-06	1.11E-05	7.65E-07
8842	471117.41	3819697.95	0.000039264	1.65E-04	1.48E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.66E-07
8843	471113.64	3819706.8	0.000039336	1.65E-04	1.49E-05	3.28E-05	1.21E-04	1.07E-05	3.71E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.68E-07
8844	471109.87	3819715.66	0.000039389	1.65E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.69E-07
8845	471106.09	3819724.51	0.000039437	1.66E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.39E-06	1.12E-05	7.70E-07
8846	471102.32	3819733.37	0.000039466	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.70E-07
8847	471098.55	3819742.22	0.000039485	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.70E-07
8848	471094.78	3819751.07	0.00003949	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.71E-07
8849	471091.01	3819759.93	0.00003948	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.70E-07
8850	471087.24	3819768.78	0.000039461	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.70E-07
8851	471083.47	3819777.64	0.000039432	1.66E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.39E-06	1.12E-05	7.69E-07
8852	471079.7	3819786.49	0.000039394	1.65E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.12E-05	7.69E-07
8853	471075.93	3819795.34	0.000039346	1.65E-04	1.49E-05	3.28E-05	1.21E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.68E-07
8854	471072.16	3819804.2	0.000039288	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.67E-07
8855	471068.39	3819813.05	0.000039221	1.65E-04	1.48E-05	3.27E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.65E-07
8856	471064.62	3819821.91	0.000039144	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.52E-06	3.36E-06	1.11E-05	7.64E-07
8857	471060.85	3819830.76	0.000039062	1.64E-04	1.48E-05	3.25E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.35E-06	1.11E-05	7.62E-07
8858	471057.08	3819839.61	0.000038975	1.64E-04	1.47E-05	3.25E-05	1.20E-04	1.06E-05	3.68E-06	2.11E-05	2.51E-06	3.35E-06	1.10E-05	7.61E-07
8859	471053.3	3819848.47	0.000038884	1.63E-04	1.47E-05	3.24E-05	1.20E-04	1.06E-05	3.67E-06	2.10E-05	2.51E-06	3.34E-06	1.10E-05	7.59E-07
8860	471049.53	3819857.32	0.000038788	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
8861	471045.76	3819866.18	0.000038682	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.50E-06	3.32E-06	1.09E-05	7.55E-07
8862	471041.99	3819875.03	0.000038571	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
8863	471038.22	3819883.88	0.00003846	1.62E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
8864	471034.45	3819892.74	0.000038345	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.62E-06	2.07E-05	2.47E-06	3.29E-06	1.09E-05	7.48E-07
8865	471030.68	3819901.59	0.00003823	1.61E-04	1.45E-05	3.18E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.47E-06	3.28E-06	1.08E-05	7.46E-07
8866	471026.91	3819910.45	0.000038109	1.60E-04	1.44E-05	3.17E-05	1.18E-04	1.03E-05	3.60E-06	2.06E-05	2.46E-06	3.27E-06	1.08E-05	7.44E-07
8867	471023.14	3819919.3	0.000037989	1.60E-04	1.44E-05	3.16E-05	1.17E-04	1.03E-05	3.59E-06	2.05E-05	2.45E-06	3.26E-06	1.08E-05	7.41E-07
8868	471019.37	3819928.15	0.000037864	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.44E-06	3.25E-06	1.07E-05	7.39E-07
8869	471015.6	3819937.01	0.000037739	1.58E-04	1.43E-05	3.14E-05	1.16E-04	1.02E-05	3.56E-06	2.04E-05	2.43E-06	3.24E-06	1.07E-05	7.36E-07
8870	471011.83	3819945.86	0.000037614	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.43E-06	3.23E-06	1.06E-05	7.34E-07
8871	471008.06	3819954.72	0.000037484	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.31E-07
8872	471004.29	3819963.57	0.000037349	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.53E-06	2.02E-05	2.41E-06	3.21E-06	1.06E-05	7.29E-07
8873	471000.51	3819972.43	0.000037215	1.56E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.26E-07
8874	470996.74	3819981.28	0.000037075	1.56E-04	1.40E-05	3.09E-05	1.14E-04	1.01E-05	3.50E-06	2.00E-05	2.39E-06	3.18E-06	1.05E-05	7.23E-07
8875	470992.97	3819990.13	0.000036926	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.49E-06	2.00E-05	2.38E-06	3.17E-06	1.05E-05	7.21E-07
8876	470989.2	3819998.99	0.000036772	1.54E-04	1.39E-05	3.06E-05	1.13E-04	9.98E-06	3.47E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.18E-07
8877	470985.43	3820007.84	0.000036618	1.54E-04	1.38E-05	3.05E-05	1.13E-04	9.94E-06	3.46E-06	1.98E-05	2.36E-06	3.14E-06	1.04E-05	7.15E-07
8878	470981.66	3820016.7	0.000036469	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.90E-06	3.44E-06	1.97E-05	2.35E-06	3.13E-06	1.03E-05	7.12E-07
8879	470962.81	3820060.97	0.000035627	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.67E-06	3.36E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.95E-07
8880	470959.04	3820069.82	0.000035439	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.62E-06	3.35E-06	1.92E-05	2.29E-06	3.04E-06	1.00E-05	6.92E-07
8881	470955.27	3820078.67	0.000035252	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.57E-06	3.33E-06	1.91E-05	2.27E-06	3.03E-06	9.98E-06	6.88E-07
8882	470951.5	3820087.53	0.000035059	1.47E-04	1.33E-05	2.92E-05	1.08E-04	9.52E-06	3.31E-06	1.90E-05	2.26E-06	3.01E-06	9.92E-06	6.84E-07
8883	470947.72	3820096.38	0.000034867	1.46E-04	1.32E-05	2.90E-05	1.08E-04	9.46E-06	3.29E-06	1.88E-05	2.25E-06	2.99E-06	9.87E-06	6.80E-07
8884	470943.95	3820105.24	0.00003467	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.41E-06	3.27E-06	1.87E-05	2.24E-06	2.98E-06	9.81E-06	6.77E-07
8885	470940.18	3820114.09	0.000034468	1.45E-04	1.30E-05	2.87E-05	1.06E-04	9.36E-06	3.25E-06	1.86E-05	2.22E-06	2.96E-06	9.76E-06	6.73E-07
8886	470927.48	3820126.51	0.000034506	1.45E-04	1.31E-05	2.87E-05	1.06E-04	9.37E-06	3.26E-06	1.87E-05	2.23E-06	2.96E-06	9.77E-06	6.73E-07
8887	470918.54	3820130.09	0.000034737	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.43E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.78E-07
8888	470909.6	3820133.66	0.000034968	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.49E-06	3.30E-06	1.89E-05	2.26E-06	3.00E-06	9.90E-06	6.82E-07
8889	470900.67	3820137.23	0.000035194	1.48E-04	1.33E-05	2.93E-05	1.09E-04	9.55E-06	3.32E-06	1.90E-05	2.27E-06	3.02E-06	9.96E-06	6.87E-07
8890	470891.73	3820140.8	0.00003542	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.62E-06	3.34E-06	1.91E-05	2.28E-06	3.04E-06	1.00E-05	6.91E-07
8891	470882.79	3820144.37	0.000035641	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.68E-06	3.37E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.95E-07
8892	470873.86	3820147.94	0.000035863	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.74E-06	3.39E-06	1.94E-05	2.31E-06	3.08E-06	1.02E-05	7.00E-07
8893	470864.92	3820151.51	0.000036079	1.52E-04	1.36E-05	3.01E-05	1.11E-04	9.79E-06	3.41E-06	1.95E-05	2.33E-06	3.10E-06	1.02E-05	7.04E-07
8894	470855.98	3820155.08	0.000036301	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.85E-06	3.43E-06	1.96E-05	2.34E-06	3.12E-06	1.03E-05	7.08E-07
8895	470847.05	3820158.65	0.000036527	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.92E-06	3.45E-06	1.97E-05	2.36E-06	3.14E-06	1.03E-05	7.13E-07
8896	470838.11	3820162.22	0.000036753	1.54E-04	1.39E-05	3.06E-05	1.13E-04	9.98E-06	3.47E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.17E-07
8897	470829.17	3820165.79	0.000036988	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.49E-06	2.00E-05	2.39E-06	3.18E-06	1.05E-05	7.22E-07
8898	470820.24	3820169.36	0.000037224	1.56E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.52E-06	2.01E-05	2.40E-06	3.20E-06	1.05E-05	7.26E-07
8899	470811.3	3820172.93	0.000037465	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.31E-07
8900	470802.36	3820176.5	0.000037715	1.58E-04	1.43E-05	3.14E-05	1.16E-04	1.02E-05	3.56E-06	2.04E-05	2.43E-06	3.24E-06	1.07E-05	7.36E-07
8901	470793.43	3820180.07	0.00003796	1.59E-04	1.44E-05	3.16E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.45E-06	3.26E-06	1.07E-05	7.41E-07
8902	470784.49	3820183.64	0.00003821	1.60E-04	1.45E-05	3.18E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.46E-06	3.28E-06	1.08E-05	7.46E-07

8903	470704.06	3820215.78	0.000041159	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.23E-05	2.65E-06	3.53E-06	1.17E-05	8.03E-07
8904	470695.12	3820219.35	0.000041568	1.75E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.93E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.11E-07
8905	470686.19	3820222.92	0.000041987	1.76E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.96E-06	2.27E-05	2.71E-06	3.60E-06	1.19E-05	8.19E-07
8906	470677.25	3820226.49	0.000042429	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.01E-06	2.29E-05	2.74E-06	3.64E-06	1.20E-05	8.28E-07
8907	470668.31	3820230.06	0.000042886	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.77E-06	3.68E-06	1.21E-05	8.37E-07
8908	470659.38	3820233.63	0.000043358	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.09E-06	2.34E-05	2.80E-06	3.72E-06	1.23E-05	8.46E-07
8909	470650.44	3820237.2	0.000043843	1.84E-04	1.66E-05	3.65E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.76E-06	1.24E-05	8.55E-07
8910	470641.5	3820240.77	0.000044363	1.86E-04	1.68E-05	3.70E-05	1.37E-04	1.20E-05	4.19E-06	2.40E-05	2.86E-06	3.81E-06	1.26E-05	8.66E-07
8911	470632.57	3820244.34	0.000044897	1.89E-04	1.70E-05	3.74E-05	1.39E-04	1.22E-05	4.24E-06	2.43E-05	2.90E-06	3.85E-06	1.27E-05	8.76E-07
8912	470623.63	3820247.92	0.000045445	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.23E-05	4.29E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.87E-07
8913	470614.69	3820251.49	0.000045989	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.34E-06	2.49E-05	2.97E-06	3.95E-06	1.30E-05	8.97E-07
8914	470605.76	3820255.06	0.000046537	1.95E-04	1.76E-05	3.88E-05	1.44E-04	1.26E-05	4.39E-06	2.52E-05	3.00E-06	4.00E-06	1.32E-05	9.08E-07
8915	470596.82	3820258.63	0.000047095	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.04E-06	1.33E-05	9.19E-07
8916	470587.88	3820262.2	0.000047653	2.00E-04	1.80E-05	3.97E-05	1.47E-04	1.29E-05	4.50E-06	2.58E-05	3.07E-06	4.09E-06	1.35E-05	9.30E-07
8917	470578.95	3820265.77	0.000048207	2.02E-04	1.82E-05	4.02E-05	1.49E-04	1.31E-05	4.55E-06	2.61E-05	3.11E-06	4.14E-06	1.36E-05	9.41E-07
8918	470570.01	3820269.34	0.000048755	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.60E-06	2.64E-05	3.14E-06	4.19E-06	1.38E-05	9.51E-07
8919	470561.07	3820272.91	0.000049299	2.07E-04	1.86E-05	4.11E-05	1.52E-04	1.34E-05	4.66E-06	2.67E-05	3.18E-06	4.23E-06	1.40E-05	9.62E-07
8920	470552.14	3820276.48	0.000049833	2.09E-04	1.88E-05	4.15E-05	1.54E-04	1.35E-05	4.71E-06	2.69E-05	3.21E-06	4.28E-06	1.41E-05	9.72E-07
8921	470543.2	3820280.05	0.000050352	2.11E-04	1.90E-05	4.19E-05	1.55E-04	1.37E-05	4.75E-06	2.72E-05	3.25E-06	4.32E-06	1.43E-05	9.83E-07
8922	470534.26	3820283.62	0.000050862	2.14E-04	1.92E-05	4.24E-05	1.57E-04	1.38E-05	4.80E-06	2.75E-05	3.28E-06	4.37E-06	1.44E-05	9.92E-07
8923	470525.33	3820287.19	0.000051358	2.16E-04	1.94E-05	4.28E-05	1.58E-04	1.39E-05	4.85E-06	2.78E-05	3.31E-06	4.41E-06	1.45E-05	1.00E-06
8924	470516.39	3820290.76	0.000051834	2.18E-04	1.96E-05	4.32E-05	1.60E-04	1.41E-05	4.89E-06	2.80E-05	3.34E-06	4.45E-06	1.47E-05	1.01E-06
8925	470507.45	3820294.33	0.000052296	2.20E-04	1.98E-05	4.36E-05	1.61E-04	1.42E-05	4.94E-06	2.83E-05	3.37E-06	4.49E-06	1.48E-05	1.02E-06
8926	470498.52	3820297.9	0.000052733	2.21E-04	1.99E-05	4.39E-05	1.63E-04	1.43E-05	4.98E-06	2.85E-05	3.40E-06	4.53E-06	1.49E-05	1.03E-06
8927	470489.58	3820301.47	0.000053152	2.23E-04	2.01E-05	4.43E-05	1.64E-04	1.44E-05	5.02E-06	2.87E-05	3.43E-06	4.56E-06	1.50E-05	1.04E-06
8928	470480.64	3820305.04	0.000053546	2.25E-04	2.03E-05	4.46E-05	1.65E-04	1.45E-05	5.06E-06	2.89E-05	3.45E-06	4.60E-06	1.52E-05	1.04E-06
8929	470471.71	3820308.62	0.000053912	2.26E-04	2.04E-05	4.49E-05	1.66E-04	1.46E-05	5.09E-06	2.91E-05	3.48E-06	4.63E-06	1.53E-05	1.05E-06
8930	470462.77	3820312.19	0.000054229	2.28E-04	2.05E-05	4.52E-05	1.67E-04	1.47E-05	5.12E-06	2.93E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
8931	470453.83	3820315.76	0.000054533	2.29E-04	2.06E-05	4.54E-05	1.68E-04	1.48E-05	5.15E-06	2.95E-05	3.52E-06	4.68E-06	1.54E-05	1.06E-06
8932	470444.9	3820319.33	0.000054816	2.30E-04	2.07E-05	4.57E-05	1.69E-04	1.49E-05	5.18E-06	2.96E-05	3.54E-06	4.71E-06	1.55E-05	1.07E-06
8933	470435.96	3820322.9	0.000055095	2.31E-04	2.08E-05	4.59E-05	1.70E-04	1.50E-05	5.20E-06	2.98E-05	3.55E-06	4.73E-06	1.56E-05	1.08E-06
8934	470427.02	3820326.47	0.00005536	2.32E-04	2.09E-05	4.61E-05	1.71E-04	1.50E-05	5.23E-06	2.99E-05	3.57E-06	4.75E-06	1.57E-05	1.08E-06
8935	470418.09	3820330.04	0.00005561	2.34E-04	2.10E-05	4.63E-05	1.72E-04	1.51E-05	5.25E-06	3.01E-05	3.59E-06	4.77E-06	1.57E-05	1.09E-06
8936	470409.15	3820333.61	0.000055851	2.35E-04	2.11E-05	4.65E-05	1.72E-04	1.52E-05	5.27E-06	3.02E-05	3.60E-06	4.79E-06	1.58E-05	1.09E-06
8937	470400.21	3820337.18	0.000056072	2.35E-04	2.12E-05	4.67E-05	1.73E-04	1.52E-05	5.29E-06	3.03E-05	3.62E-06	4.81E-06	1.59E-05	1.09E-06
8938	470391.28	3820340.75	0.000056279	2.36E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.31E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
8939	470382.34	3820344.32	0.000056476	2.37E-04	2.14E-05	4.70E-05	1.74E-04	1.53E-05	5.33E-06	3.05E-05	3.64E-06	4.85E-06	1.60E-05	1.10E-06
8940	470373.4	3820347.89	0.000056664	2.38E-04	2.14E-05	4.72E-05	1.75E-04	1.54E-05	5.35E-06	3.06E-05	3.65E-06	4.86E-06	1.60E-05	1.11E-06
8941	470364.47	3820351.46	0.000056842	2.39E-04	2.15E-05	4.73E-05	1.75E-04	1.54E-05	5.37E-06	3.07E-05	3.67E-06	4.88E-06	1.61E-05	1.11E-06
8942	470355.53	3820355.03	0.000057024	2.39E-04	2.16E-05	4.75E-05	1.76E-04	1.55E-05	5.38E-06	3.08E-05	3.68E-06	4.90E-06	1.61E-05	1.11E-06
8943	470346.59	3820358.6	0.000057198	2.40E-04	2.16E-05	4.76E-05	1.77E-04	1.55E-05	5.40E-06	3.09E-05	3.69E-06	4.91E-06	1.62E-05	1.12E-06
8944	470337.66	3820362.17	0.000057371	2.41E-04	2.17E-05	4.78E-05	1.77E-04	1.56E-05	5.42E-06	3.10E-05	3.70E-06	4.93E-06	1.62E-05	1.12E-06
8945	470328.72	3820365.74	0.000057539	2.42E-04	2.18E-05	4.79E-05	1.78E-04	1.56E-05	5.43E-06	3.11E-05	3.71E-06	4.94E-06	1.63E-05	1.12E-06
8946	470319.78	3820369.32	0.000057703	2.42E-04	2.18E-05	4.81E-05	1.78E-04	1.57E-05	5.45E-06	3.12E-05	3.72E-06	4.95E-06	1.63E-05	1.13E-06
8947	470310.85	3820372.89	0.000057866	2.43E-04	2.19E-05	4.82E-05	1.79E-04	1.57E-05	5.46E-06	3.13E-05	3.73E-06	4.97E-06	1.64E-05	1.13E-06
8948	470301.91	3820376.46	0.000058044	2.44E-04	2.20E-05	4.83E-05	1.79E-04	1.58E-05	5.48E-06	3.14E-05	3.74E-06	4.98E-06	1.64E-05	1.13E-06
8949	470292.97	3820380.03	0.000058237	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
8950	470284.04	3820383.6	0.000058419	2.45E-04	2.21E-05	4.87E-05	1.80E-04	1.59E-05	5.52E-06	3.16E-05	3.77E-06	5.02E-06	1.65E-05	1.14E-06
8951	470275.1	3820387.17	0.000058602	2.46E-04	2.22E-05	4.88E-05	1.81E-04	1.59E-05	5.53E-06	3.17E-05	3.78E-06	5.03E-06	1.66E-05	1.14E-06
8952	471219.22	3819458.89	0.000033352	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.05E-06	3.15E-06	1.80E-05	2.15E-06	2.86E-06	9.44E-06	6.51E-07
8953	471219.3	3819449.24	0.00003326	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.03E-06	3.14E-06	1.80E-05	2.15E-06	2.86E-06	9.41E-06	6.49E-07
8954	471219.38	3819439.59	0.000033159	1.39E-04	1.25E-05	2.76E-05	1.02E-04	9.00E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.39E-06	6.47E-07
8955	471219.79	3819391.35	0.000032418	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.18E-06	6.33E-07
8956	471219.88	3819381.7	0.000032221	1.35E-04	1.22E-05	2.68E-05	9.94E-05	8.75E-06	3.04E-06	1.74E-05	2.08E-06	2.77E-06	9.12E-06	6.29E-07
8957	471219.96	3819372.06	0.000032009	1.34E-04	1.21E-05	2.67E-05	9.88E-05	8.69E-06	3.02E-06	1.73E-05	2.06E-06	2.75E-06	9.06E-06	6.25E-07
8958	471220.04	3819362.41	0.000031783	1.33E-04	1.20E-05	2.65E-05	9.81E-05	8.63E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	9.00E-06	6.20E-07
8959	471220.13	3819352.76	0.000031543	1.32E-04	1.19E-05	2.63E-05	9.73E-05	8.56E-06	2.98E-06	1.71E-05	2.03E-06	2.71E-06	8.93E-06	6.15E-07
8960	471220.21	3819343.11	0.000031283	1.31E-04	1.18E-05	2.61E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.69E-06	8.85E-06	6.10E-07
8961	471220.29	3819333.46	0.000031004	1.30E-04	1.17E-05	2.58E-05	9.57E-05	8.42E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.78E-06	6.05E-07
8962	471220.37	3819323.82	0.000030715	1.29E-04	1.16E-05	2.56E-05	9.48E-05	8.34E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.69E-06	5.99E-07
8963	471220.46	3819314.17	0.000030403	1.28E-04	1.15E-05	2.53E-05	9.38E-05	8.25E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.61E-06	5.93E-07
8964	471220.54	3819304.52	0.000030076	1.26E-04	1.14E-05	2.51E-05	9.28E-05	8.16E-06	2.84E-06	1.63E-05	1.94E-06	2.58E-06	8.51E-06	5.87E-07
8965	471220.62	3819294.87	0.000029729	1.25E-04	1.12E-05	2.48E-05	9.17E-05	8.07E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.42E-06	5.80E-07
8966	471220.7	3819285.22	0.000029373	1.23E-04	1.11E-05	2.45E-05	9.06E-05	7.97E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.31E-06	5.73E-07
8967	471220.79	3819275.57	0.000029003	1.22E-04	1.10E-05	2.42E-05	8.95E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.21E-06	5.66E-07
8968	471220.87	3819265.93	0.000028623	1.20E-04	1.08E-05	2.38E-05	8.83E-05	7.77E-06	2.70E-06	1.55E-05	1.85E-06	2.46E-06	8.10E-06	5.59E-07
8969	471220.95	3819256.28	0.000028228	1.19E-04	1.07E-05	2.35E-05	8.71E-05	7.66E-06	2.67E-06	1.53E-05	1.82E-06	2.42E-06	7.99E-06	5.51E-07
8970	471221.04	3819246.63	0.000027815	1.17E-04	1.05E-05	2.32E-05	8.58E-05	7.55E-06	2.63E-06	1.50E-05	1.79E-06	2.39E-06	7.87E-06	5.43E-07
8971	471269.27	3819529.88	0.000030441	1.28E-04	1.15E-05	2.54E-05	9.39E-05	8.26E-06	2.87E-06	1.65E-05	1.96E-06	2.61E-06	8.62E-06	5.94E-07
8972	471265.53	3819538.66	0.000030667	1.29E-04	1.16E-05	2.55E-05	9.46E-05	8.32E-06	2.90E-06	1.66E-05	1.98E-06	2.63E-06	8.68E-06	5.98E-07
8973	471261.79	3819547.45	0.000030884	1.30E-04	1.17E-05	2.57E-05	9.53E-05	8.38E-06	2.92E-06	1.67E-05	1.99E-06	2.65E-06	8.74E-06	6.03E-07
8974	471258.05	3819556.24	0.000031095	1.31E-04	1.18E-05	2.59E-05	9.60E-05	8.44E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.80E-06	6.07E-07
8975	471254.3	3819565.02	0.000031302	1.31E-04	1.18E-05	2.61E-05	9.66E-05	8.50E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.86E-06	6.11E-07

8976	471250.56	3819573.81	0.000031504	1.32E-04	1.19E-05	2.62E-05	9.72E-05	8.55E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.92E-06	6.15E-07
8977	471246.82	3819582.6	0.000031702	1.33E-04	1.20E-05	2.64E-05	9.78E-05	8.61E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.97E-06	6.19E-07
8978	471243.08	3819591.39	0.000031889	1.34E-04	1.21E-05	2.66E-05	9.84E-05	8.66E-06	3.01E-06	1.72E-05	2.06E-06	2.74E-06	9.03E-06	6.22E-07
8979	471239.34	3819600.17	0.000032077	1.35E-04	1.21E-05	2.67E-05	9.90E-05	8.71E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.08E-06	6.26E-07
8980	471235.59	3819608.96	0.000032255	1.35E-04	1.22E-05	2.69E-05	9.95E-05	8.76E-06	3.05E-06	1.74E-05	2.08E-06	2.77E-06	9.13E-06	6.29E-07
8981	471231.85	3819617.75	0.000032428	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.18E-06	6.33E-07
8982	471228.11	3819626.54	0.000032596	1.37E-04	1.23E-05	2.72E-05	1.01E-04	8.85E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.23E-06	6.36E-07
8983	471224.37	3819635.32	0.00003276	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.89E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.27E-06	6.39E-07
8984	471220.62	3819644.11	0.000032914	1.38E-04	1.24E-05	2.74E-05	1.02E-04	8.94E-06	3.11E-06	1.78E-05	2.12E-06	2.83E-06	9.32E-06	6.42E-07
8985	471216.88	3819652.9	0.000033058	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.97E-06	3.12E-06	1.79E-05	2.13E-06	2.84E-06	9.36E-06	6.45E-07
8986	471213.14	3819661.69	0.000033198	1.39E-04	1.26E-05	2.77E-05	1.02E-04	9.01E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
8987	471209.4	3819670.47	0.000033323	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.05E-06	3.15E-06	1.80E-05	2.15E-06	2.86E-06	9.43E-06	6.50E-07
8988	471205.65	3819679.26	0.000033448	1.40E-04	1.27E-05	2.79E-05	1.03E-04	9.08E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.47E-06	6.53E-07
8989	471201.91	3819688.05	0.000033558	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.11E-06	3.17E-06	1.81E-05	2.16E-06	2.88E-06	9.50E-06	6.55E-07
8990	471198.17	3819696.84	0.00003366	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.14E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.53E-06	6.57E-07
8991	471194.43	3819705.62	0.000033756	1.42E-04	1.28E-05	2.81E-05	1.04E-04	9.16E-06	3.19E-06	1.82E-05	2.18E-06	2.90E-06	9.56E-06	6.59E-07
8992	471190.68	3819714.41	0.000033838	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.19E-06	3.20E-06	1.83E-05	2.18E-06	2.90E-06	9.58E-06	6.60E-07
8993	471186.94	3819723.2	0.000033914	1.42E-04	1.28E-05	2.82E-05	1.05E-04	9.21E-06	3.20E-06	1.83E-05	2.19E-06	2.91E-06	9.60E-06	6.62E-07
8994	471183.2	3819731.99	0.000033977	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.22E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.62E-06	6.63E-07
8995	471179.46	3819740.77	0.00003403	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.24E-06	3.21E-06	1.84E-05	2.20E-06	2.92E-06	9.63E-06	6.64E-07
8996	471175.72	3819749.56	0.000034073	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.64E-06	6.65E-07
8997	471171.97	3819758.35	0.000034107	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.26E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.65E-06	6.66E-07
8998	471168.23	3819767.14	0.000034136	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.22E-06	1.85E-05	2.20E-06	2.93E-06	9.66E-06	6.66E-07
8999	471164.49	3819775.92	0.00003415	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.22E-06	1.85E-05	2.20E-06	2.93E-06	9.67E-06	6.66E-07
9000	471160.75	3819784.71	0.000034155	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.23E-06	1.85E-05	2.20E-06	2.93E-06	9.67E-06	6.66E-07
9001	471157	3819793.5	0.00003415	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.22E-06	1.85E-05	2.20E-06	2.93E-06	9.67E-06	6.66E-07
9002	471153.26	3819802.29	0.000034136	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.22E-06	1.85E-05	2.20E-06	2.93E-06	9.66E-06	6.66E-07
9003	471149.52	3819811.07	0.000034117	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.26E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.66E-06	6.66E-07
9004	471145.78	3819819.86	0.000034088	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.65E-06	6.65E-07
9005	471142.03	3819828.65	0.000034054	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.24E-06	3.22E-06	1.84E-05	2.20E-06	2.92E-06	9.64E-06	6.64E-07
9006	471138.29	3819837.44	0.000034011	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.23E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.63E-06	6.64E-07
9007	471134.55	3819846.22	0.000033958	1.43E-04	1.28E-05	2.83E-05	1.05E-04	9.22E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.61E-06	6.63E-07
9008	471130.81	3819855.01	0.000033905	1.42E-04	1.28E-05	2.82E-05	1.05E-04	9.20E-06	3.20E-06	1.83E-05	2.19E-06	2.91E-06	9.60E-06	6.62E-07
9009	471127.07	3819863.8	0.000033842	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.19E-06	3.20E-06	1.83E-05	2.18E-06	2.91E-06	9.58E-06	6.60E-07
9010	471123.32	3819872.59	0.00003378	1.42E-04	1.28E-05	2.81E-05	1.04E-04	9.17E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.56E-06	6.59E-07
9011	471119.58	3819881.37	0.000033708	1.42E-04	1.27E-05	2.81E-05	1.04E-04	9.15E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.54E-06	6.58E-07
9012	471115.84	3819890.16	0.000033635	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.13E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.52E-06	6.56E-07
9013	471112.1	3819898.95	0.000033554	1.41E-04	1.27E-05	2.79E-05	1.04E-04	9.11E-06	3.17E-06	1.81E-05	2.16E-06	2.88E-06	9.50E-06	6.55E-07
9014	471108.35	3819907.73	0.000033477	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.48E-06	6.53E-07
9015	471104.61	3819916.52	0.00003339	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.06E-06	3.15E-06	1.81E-05	2.15E-06	2.87E-06	9.45E-06	6.52E-07
9016	471100.87	3819925.31	0.000033304	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.04E-06	3.14E-06	1.80E-05	2.15E-06	2.86E-06	9.43E-06	6.50E-07
9017	471097.13	3819934.1	0.000033217	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.02E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
9018	471093.38	3819942.88	0.00003313	1.39E-04	1.25E-05	2.76E-05	1.02E-04	8.99E-06	3.13E-06	1.79E-05	2.14E-06	2.84E-06	9.38E-06	6.46E-07
9019	471089.64	3819951.67	0.000033039	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.97E-06	3.12E-06	1.79E-05	2.13E-06	2.84E-06	9.35E-06	6.45E-07
9020	471085.9	3819960.46	0.000032948	1.38E-04	1.25E-05	2.74E-05	1.02E-04	8.94E-06	3.11E-06	1.78E-05	2.13E-06	2.83E-06	9.33E-06	6.43E-07
9021	471082.16	3819969.25	0.000032851	1.38E-04	1.24E-05	2.74E-05	1.01E-04	8.92E-06	3.10E-06	1.78E-05	2.12E-06	2.82E-06	9.30E-06	6.41E-07
9022	471078.41	3819978.03	0.000032755	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.89E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.27E-06	6.39E-07
9023	471074.67	3819986.82	0.000032659	1.37E-04	1.24E-05	2.72E-05	1.01E-04	8.87E-06	3.08E-06	1.77E-05	2.11E-06	2.80E-06	9.24E-06	6.37E-07
9024	471070.93	3819995.61	0.000032558	1.37E-04	1.23E-05	2.71E-05	1.00E-04	8.84E-06	3.07E-06	1.76E-05	2.10E-06	2.80E-06	9.22E-06	6.35E-07
9025	471067.19	3820004.4	0.000032462	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.81E-06	3.07E-06	1.75E-05	2.09E-06	2.79E-06	9.19E-06	6.33E-07
9026	471063.45	3820013.18	0.000032361	1.36E-04	1.22E-05	2.70E-05	9.99E-05	8.78E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.16E-06	6.31E-07
9027	471059.7	3820021.97	0.00003226	1.35E-04	1.22E-05	2.69E-05	9.96E-05	8.76E-06	3.05E-06	1.74E-05	2.08E-06	2.77E-06	9.13E-06	6.29E-07
9028	471055.96	3820030.76	0.000032159	1.35E-04	1.22E-05	2.68E-05	9.92E-05	8.73E-06	3.04E-06	1.74E-05	2.07E-06	2.76E-06	9.10E-06	6.27E-07
9029	471052.22	3820039.55	0.000032048	1.35E-04	1.21E-05	2.67E-05	9.89E-05	8.70E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.07E-06	6.25E-07
9030	471048.48	3820048.33	0.000031942	1.34E-04	1.21E-05	2.66E-05	9.86E-05	8.67E-06	3.02E-06	1.73E-05	2.06E-06	2.74E-06	9.04E-06	6.23E-07
9031	471044.73	3820057.12	0.000031832	1.34E-04	1.20E-05	2.65E-05	9.82E-05	8.64E-06	3.01E-06	1.72E-05	2.05E-06	2.73E-06	9.01E-06	6.21E-07
9032	471040.99	3820065.91	0.000031716	1.33E-04	1.20E-05	2.64E-05	9.79E-05	8.61E-06	2.99E-06	1.71E-05	2.05E-06	2.72E-06	8.98E-06	6.19E-07
9033	471037.25	3820074.7	0.000031591	1.33E-04	1.19E-05	2.63E-05	9.75E-05	8.58E-06	2.98E-06	1.71E-05	2.04E-06	2.71E-06	8.94E-06	6.16E-07
9034	471033.51	3820083.48	0.000031466	1.32E-04	1.19E-05	2.62E-05	9.71E-05	8.54E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.91E-06	6.14E-07
9035	471029.76	3820092.27	0.000031336	1.32E-04	1.19E-05	2.61E-05	9.67E-05	8.51E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.87E-06	6.11E-07
9036	471026.02	3820101.06	0.000031206	1.31E-04	1.18E-05	2.60E-05	9.63E-05	8.47E-06	2.95E-06	1.69E-05	2.01E-06	2.68E-06	8.83E-06	6.09E-07
9037	471022.28	3820109.85	0.000031076	1.31E-04	1.18E-05	2.59E-05	9.59E-05	8.44E-06	2.93E-06	1.68E-05	2.00E-06	2.67E-06	8.80E-06	6.06E-07
9038	471018.54	3820118.63	0.000030942	1.30E-04	1.17E-05	2.58E-05	9.55E-05	8.40E-06	2.92E-06	1.67E-05	2.00E-06	2.66E-06	8.76E-06	6.04E-07
9039	471014.8	3820127.42	0.000030802	1.29E-04	1.16E-05	2.57E-05	9.50E-05	8.36E-06	2.91E-06	1.67E-05	1.99E-06	2.64E-06	8.72E-06	6.01E-07
9040	471011.05	3820136.21	0.000030658	1.29E-04	1.16E-05	2.55E-05	9.46E-05	8.32E-06	2.90E-06	1.66E-05	1.98E-06	2.63E-06	8.68E-06	5.98E-07
9041	471007.31	3820145	0.000030509	1.28E-04	1.15E-05	2.54E-05	9.41E-05	8.28E-06	2.88E-06	1.65E-05	1.97E-06	2.62E-06	8.64E-06	5.95E-07
9042	471003.57	3820153.78	0.000030355	1.27E-04	1.15E-05	2.53E-05	9.37E-05	8.24E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.59E-06	5.92E-07
9043	470999.83	3820162.57	0.000030196	1.27E-04	1.14E-05	2.52E-05	9.32E-05	8.20E-06	2.85E-06	1.63E-05	1.95E-06	2.59E-06	8.55E-06	5.89E-07
9044	470996.08	3820171.36	0.000030032	1.26E-04	1.14E-05	2.50E-05	9.27E-05	8.15E-06	2.84E-06	1.62E-05	1.94E-06	2.58E-06	8.50E-06	5.86E-07
9045	470965.73	3820190.78	0.000030441	1.28E-04	1.15E-05	2.54E-05	9.39E-05	8.26E-06	2.87E-06	1.65E-05	1.96E-06	2.61E-06	8.62E-06	5.94E-07
9046	470956.86	3820194.32	0.000030629	1.29E-04	1.16E-05	2.55E-05	9.45E-05	8.31E-06	2.89E-06	1.66E-05	1.98E-06	2.63E-06	8.67E-06	5.98E-07
9047	470947.99	3820197.86	0.000030812	1.29E-04	1.17E-05	2.57E-05	9.51E-05	8.36E-06	2.91E-06	1.67E-05	1.99E-06	2.65E-06	8.72E-06	6.01E-07
9048	470939.12	3820201.41	0.000030994	1.30E-04	1.17E-05	2.58E-05	9.56E-05	8.41E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.77E-06	6.05E-07

9049	470930.26	3820204.95	0.000031177	1.31E-04	1.18E-05	2.60E-05	9.62E-05	8.46E-06	2.94E-06	1.69E-05	2.01E-06	2.68E-06	8.83E-06	6.08E-07
9050	470921.39	3820208.5	0.000031355	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.51E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
9051	470912.52	3820212.04	0.000031538	1.32E-04	1.19E-05	2.63E-05	9.73E-05	8.56E-06	2.98E-06	1.71E-05	2.03E-06	2.71E-06	8.93E-06	6.15E-07
9052	470903.65	3820215.58	0.000031716	1.33E-04	1.20E-05	2.64E-05	9.79E-05	8.61E-06	2.99E-06	1.71E-05	2.05E-06	2.72E-06	8.98E-06	6.19E-07
9053	470894.78	3820219.13	0.000031894	1.34E-04	1.21E-05	2.66E-05	9.84E-05	8.66E-06	3.01E-06	1.72E-05	2.06E-06	2.74E-06	9.03E-06	6.22E-07
9054	470885.91	3820222.67	0.000032077	1.35E-04	1.21E-05	2.67E-05	9.90E-05	8.71E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.08E-06	6.26E-07
9055	470877.04	3820226.21	0.00003226	1.35E-04	1.22E-05	2.69E-05	9.96E-05	8.76E-06	3.05E-06	1.74E-05	2.08E-06	2.77E-06	9.13E-06	6.29E-07
9056	470868.17	3820229.76	0.000032447	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.81E-06	3.06E-06	1.75E-05	2.09E-06	2.79E-06	9.18E-06	6.33E-07
9057	470859.3	3820233.3	0.000032635	1.37E-04	1.23E-05	2.72E-05	1.01E-04	8.86E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.24E-06	6.37E-07
9058	470850.43	3820236.84	0.000032818	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.91E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.40E-07
9059	470841.56	3820240.39	0.000033	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.96E-06	3.12E-06	1.78E-05	2.13E-06	2.83E-06	9.34E-06	6.44E-07
9060	470832.69	3820243.93	0.000033193	1.39E-04	1.26E-05	2.76E-05	1.02E-04	9.01E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
9061	470823.82	3820247.48	0.000033405	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.07E-06	3.15E-06	1.81E-05	2.15E-06	2.87E-06	9.46E-06	6.52E-07
9062	470814.95	3820251.02	0.000033626	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.13E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.52E-06	6.56E-07
9063	470806.08	3820254.56	0.000033857	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.19E-06	3.20E-06	1.83E-05	2.18E-06	2.91E-06	9.58E-06	6.61E-07
9064	470726.26	3820286.46	0.000036426	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.89E-06	3.44E-06	1.97E-05	2.35E-06	3.13E-06	1.03E-05	7.11E-07
9065	470717.39	3820290	0.000036786	1.54E-04	1.39E-05	3.06E-05	1.14E-04	9.99E-06	3.47E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.18E-07
9066	470708.52	3820293.54	0.000037162	1.56E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.25E-07
9067	470699.65	3820297.09	0.000037551	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.33E-07
9068	470690.78	3820300.63	0.000037955	1.59E-04	1.44E-05	3.16E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.45E-06	3.26E-06	1.07E-05	7.41E-07
9069	470681.91	3820304.18	0.000038364	1.61E-04	1.45E-05	3.20E-05	1.18E-04	1.04E-05	3.62E-06	2.07E-05	2.47E-06	3.29E-06	1.09E-05	7.49E-07
9070	470673.04	3820307.72	0.000038788	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
9071	470664.17	3820311.26	0.000039221	1.65E-04	1.48E-05	3.27E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.65E-07
9072	470655.3	3820314.81	0.000039668	1.67E-04	1.50E-05	3.30E-05	1.22E-04	1.08E-05	3.75E-06	2.14E-05	2.56E-06	3.41E-06	1.12E-05	7.74E-07
9073	470646.44	3820318.35	0.00004012	1.68E-04	1.52E-05	3.34E-05	1.24E-04	1.09E-05	3.79E-06	2.17E-05	2.59E-06	3.44E-06	1.14E-05	7.83E-07
9074	470637.57	3820321.89	0.000040577	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.92E-07
9075	470628.7	3820325.44	0.000041039	1.72E-04	1.55E-05	3.42E-05	1.27E-04	1.11E-05	3.88E-06	2.22E-05	2.65E-06	3.52E-06	1.16E-05	8.01E-07
9076	470619.83	3820328.98	0.000041501	1.74E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.92E-06	2.24E-05	2.68E-06	3.56E-06	1.17E-05	8.10E-07
9077	470610.96	3820332.53	0.000041982	1.76E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.96E-06	2.27E-05	2.71E-06	3.60E-06	1.19E-05	8.19E-07
9078	470602.09	3820336.07	0.000042463	1.78E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.01E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.29E-07
9079	470593.22	3820339.61	0.000042934	1.80E-04	1.62E-05	3.58E-05	1.32E-04	1.17E-05	4.05E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.38E-07
9080	470584.35	3820343.16	0.000043386	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.72E-06	1.23E-05	8.47E-07
9081	470575.48	3820346.7	0.000043829	1.84E-04	1.66E-05	3.65E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.76E-06	1.24E-05	8.55E-07
9082	470566.61	3820350.24	0.000044272	1.86E-04	1.67E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.39E-05	2.86E-06	3.80E-06	1.25E-05	8.64E-07
9083	470557.74	3820353.79	0.0000447	1.88E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.22E-06	2.42E-05	2.88E-06	3.84E-06	1.27E-05	8.72E-07
9084	470548.87	3820357.33	0.000045109	1.89E-04	1.71E-05	3.76E-05	1.39E-04	1.22E-05	4.26E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.80E-07
9085	470540	3820360.88	0.000045503	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.24E-05	4.30E-06	2.46E-05	2.94E-06	3.91E-06	1.29E-05	8.88E-07
9086	470531.13	3820364.42	0.000045883	1.93E-04	1.74E-05	3.82E-05	1.42E-04	1.25E-05	4.33E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.95E-07
9087	470522.26	3820367.96	0.000046244	1.94E-04	1.75E-05	3.85E-05	1.43E-04	1.26E-05	4.37E-06	2.50E-05	2.98E-06	3.97E-06	1.31E-05	9.02E-07
9088	470513.39	3820371.51	0.000046581	1.96E-04	1.76E-05	3.88E-05	1.44E-04	1.26E-05	4.40E-06	2.52E-05	3.00E-06	4.00E-06	1.32E-05	9.09E-07
9089	470504.52	3820375.05	0.000046893	1.97E-04	1.77E-05	3.91E-05	1.45E-04	1.27E-05	4.43E-06	2.54E-05	3.02E-06	4.03E-06	1.33E-05	9.15E-07
9090	470495.66	3820378.59	0.000047182	1.98E-04	1.78E-05	3.93E-05	1.46E-04	1.28E-05	4.46E-06	2.55E-05	3.04E-06	4.05E-06	1.34E-05	9.21E-07
9091	470486.79	3820382.14	0.000047451	1.99E-04	1.79E-05	3.95E-05	1.46E-04	1.29E-05	4.48E-06	2.57E-05	3.06E-06	4.07E-06	1.34E-05	9.26E-07
9092	470477.92	3820385.68	0.000047711	2.00E-04	1.80E-05	3.97E-05	1.47E-04	1.30E-05	4.51E-06	2.58E-05	3.08E-06	4.10E-06	1.35E-05	9.31E-07
9093	470469.05	3820389.23	0.000047957	2.01E-04	1.81E-05	3.99E-05	1.48E-04	1.30E-05	4.53E-06	2.59E-05	3.09E-06	4.12E-06	1.36E-05	9.36E-07
9094	470460.18	3820392.77	0.000048192	2.02E-04	1.82E-05	4.01E-05	1.49E-04	1.31E-05	4.55E-06	2.61E-05	3.11E-06	4.14E-06	1.36E-05	9.40E-07
9095	470451.31	3820396.31	0.000048414	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.57E-06	2.62E-05	3.12E-06	4.16E-06	1.37E-05	9.45E-07
9096	470442.44	3820399.86	0.000048616	2.04E-04	1.84E-05	4.05E-05	1.50E-04	1.32E-05	4.59E-06	2.63E-05	3.14E-06	4.17E-06	1.38E-05	9.49E-07
9097	470433.57	3820403.4	0.000048789	2.05E-04	1.85E-05	4.06E-05	1.51E-04	1.32E-05	4.61E-06	2.64E-05	3.15E-06	4.19E-06	1.38E-05	9.52E-07
9098	470424.7	3820406.94	0.000048938	2.06E-04	1.85E-05	4.08E-05	1.51E-04	1.33E-05	4.62E-06	2.65E-05	3.16E-06	4.20E-06	1.39E-05	9.55E-07
9099	470415.83	3820410.49	0.000049077	2.06E-04	1.86E-05	4.09E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.17E-06	4.21E-06	1.39E-05	9.58E-07
9100	470406.96	3820414.03	0.000049217	2.07E-04	1.86E-05	4.10E-05	1.52E-04	1.34E-05	4.65E-06	2.66E-05	3.17E-06	4.23E-06	1.39E-05	9.60E-07
9101	470398.09	3820417.58	0.000049366	2.07E-04	1.87E-05	4.11E-05	1.52E-04	1.34E-05	4.66E-06	2.67E-05	3.18E-06	4.24E-06	1.40E-05	9.63E-07
9102	470389.22	3820421.12	0.000049506	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.68E-05	3.19E-06	4.25E-06	1.40E-05	9.66E-07
9103	470380.35	3820424.66	0.000049645	2.08E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.69E-06	2.68E-05	3.20E-06	4.26E-06	1.41E-05	9.69E-07
9104	470371.48	3820428.21	0.00004978	2.09E-04	1.88E-05	4.15E-05	1.54E-04	1.35E-05	4.70E-06	2.69E-05	3.21E-06	4.27E-06	1.41E-05	9.71E-07
9105	470362.61	3820431.75	0.00004991	2.10E-04	1.89E-05	4.16E-05	1.54E-04	1.35E-05	4.71E-06	2.70E-05	3.22E-06	4.28E-06	1.41E-05	9.74E-07
9106	470353.75	3820435.29	0.000050039	2.10E-04	1.89E-05	4.17E-05	1.54E-04	1.36E-05	4.73E-06	2.71E-05	3.23E-06	4.30E-06	1.42E-05	9.76E-07
9107	470344.88	3820438.84	0.000050179	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.74E-06	2.71E-05	3.24E-06	4.31E-06	1.42E-05	9.79E-07
9108	470336.01	3820442.38	0.000050328	2.11E-04	1.90E-05	4.19E-05	1.55E-04	1.37E-05	4.75E-06	2.72E-05	3.25E-06	4.32E-06	1.42E-05	9.82E-07
9109	470327.14	3820445.93	0.000050487	2.12E-04	1.91E-05	4.21E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.26E-06	4.33E-06	1.43E-05	9.85E-07
9110	470318.27	3820449.47	0.00005065	2.13E-04	1.92E-05	4.22E-05	1.56E-04	1.37E-05	4.78E-06	2.74E-05	3.27E-06	4.35E-06	1.43E-05	9.88E-07
9111	470309.4	3820453.01	0.000050804	2.13E-04	1.92E-05	4.23E-05	1.57E-04	1.38E-05	4.80E-06	2.75E-05	3.28E-06	4.36E-06	1.44E-05	9.91E-07
9112	470300.53	3820456.56	0.000050953	2.14E-04	1.93E-05	4.24E-05	1.57E-04	1.38E-05	4.81E-06	2.75E-05	3.29E-06	4.37E-06	1.44E-05	9.94E-07
9113	470291.66	3820460.1	0.000051107	2.15E-04	1.93E-05	4.26E-05	1.58E-04	1.39E-05	4.83E-06	2.76E-05	3.30E-06	4.39E-06	1.45E-05	9.97E-07
9114	470282.79	3820463.64	0.000051266	2.15E-04	1.94E-05	4.27E-05	1.58E-04	1.39E-05	4.84E-06	2.77E-05	3.31E-06	4.40E-06	1.45E-05	1.00E-06
9115	470273.92	3820467.19	0.000051435	2.16E-04	1.95E-05	4.28E-05	1.59E-04	1.40E-05	4.86E-06	2.78E-05	3.32E-06	4.42E-06	1.46E-05	1.00E-06
9116	471375.45	3819469.09	0.000024837	1.04E-04	9.39E-06	2.07E-05	7.66E-05	6.74E-06	2.35E-06	1.34E-05	1.60E-06	2.13E-06	7.03E-06	4.85E-07
9117	471371.69	3819477.92	0.000025049	1.05E-04	9.47E-06	2.09E-05	7.73E-05	6.80E-06	2.37E-06	1.35E-05	1.62E-06	2.15E-06	7.09E-06	4.89E-07
9118	471367.93	3819486.75	0.000025255	1.06E-04	9.55E-06	2.10E-05	7.79E-05	6.86E-06	2.38E-06	1.37E-05	1.63E-06	2.17E-06	7.15E-06	4.93E-07
9119	471364.17	3819495.58	0.000025458	1.07E-04	9.63E-06	2.12E-05	7.86E-05	6.91E-06	2.40E-06	1.38E-05	1.64E-06	2.19E-06	7.21E-06	4.97E-07
9120	471360.41	3819504.41	0.000025655	1.08E-04	9.70E-06	2.14E-05	7.92E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.26E-06	5.01E-07
9121	471356.65	3819513.24	0.000025852	1.09E-04	9.78E-06	2.15E-05	7.98E-05	7.02E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.32E-06	5.04E-07

9122	471352.88	3819522.08	0.000026044	1.09E-04	9.85E-06	2.17E-05	8.04E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.37E-06	5.08E-07
9123	471349.12	3819530.91	0.000026232	1.10E-04	9.92E-06	2.18E-05	8.09E-05	7.12E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.43E-06	5.12E-07
9124	471334.08	3819566.23	0.000026958	1.13E-04	1.02E-05	2.25E-05	8.32E-05	7.32E-06	2.55E-06	1.46E-05	1.74E-06	2.31E-06	7.63E-06	5.26E-07
9125	471330.32	3819575.06	0.000027127	1.14E-04	1.03E-05	2.26E-05	8.37E-05	7.36E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.68E-06	5.29E-07
9126	471326.56	3819583.89	0.0000273	1.15E-04	1.03E-05	2.27E-05	8.42E-05	7.41E-06	2.58E-06	1.48E-05	1.76E-06	2.34E-06	7.73E-06	5.33E-07
9127	471322.8	3819592.72	0.000027464	1.15E-04	1.04E-05	2.29E-05	8.47E-05	7.45E-06	2.59E-06	1.48E-05	1.77E-06	2.36E-06	7.77E-06	5.36E-07
9128	471319.04	3819601.55	0.000027627	1.16E-04	1.04E-05	2.30E-05	8.53E-05	7.50E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.82E-06	5.39E-07
9129	471315.28	3819610.38	0.000027786	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.39E-06	7.87E-06	5.42E-07
9130	471311.52	3819619.21	0.00002794	1.17E-04	1.06E-05	2.33E-05	8.62E-05	7.58E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.91E-06	5.45E-07
9131	471307.76	3819628.04	0.000028089	1.18E-04	1.06E-05	2.34E-05	8.67E-05	7.63E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.95E-06	5.48E-07
9132	471304	3819636.87	0.000028233	1.19E-04	1.07E-05	2.35E-05	8.71E-05	7.66E-06	2.67E-06	1.53E-05	1.82E-06	2.42E-06	7.99E-06	5.51E-07
9133	471300.24	3819645.7	0.000028378	1.19E-04	1.07E-05	2.36E-05	8.76E-05	7.70E-06	2.68E-06	1.53E-05	1.83E-06	2.44E-06	8.03E-06	5.54E-07
9134	471296.47	3819654.53	0.000028512	1.20E-04	1.08E-05	2.37E-05	8.80E-05	7.74E-06	2.69E-06	1.54E-05	1.84E-06	2.45E-06	8.07E-06	5.56E-07
9135	471292.71	3819663.36	0.000028642	1.20E-04	1.08E-05	2.39E-05	8.84E-05	7.78E-06	2.70E-06	1.55E-05	1.85E-06	2.46E-06	8.11E-06	5.59E-07
9136	471288.95	3819672.19	0.000028772	1.21E-04	1.09E-05	2.40E-05	8.88E-05	7.81E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.14E-06	5.61E-07
9137	471285.19	3819681.02	0.000028892	1.21E-04	1.09E-05	2.41E-05	8.92E-05	7.84E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.18E-06	5.64E-07
9138	471281.43	3819689.85	0.000029003	1.22E-04	1.10E-05	2.42E-05	8.95E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.21E-06	5.66E-07
9139	471277.67	3819698.69	0.000029114	1.22E-04	1.10E-05	2.43E-05	8.98E-05	7.90E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.24E-06	5.68E-07
9140	471273.91	3819707.52	0.000029215	1.23E-04	1.10E-05	2.43E-05	9.02E-05	7.93E-06	2.76E-06	1.58E-05	1.88E-06	2.51E-06	8.27E-06	5.70E-07
9141	471270.15	3819716.35	0.000029311	1.23E-04	1.11E-05	2.44E-05	9.04E-05	7.96E-06	2.77E-06	1.58E-05	1.89E-06	2.52E-06	8.30E-06	5.72E-07
9142	471266.39	3819725.18	0.000029397	1.23E-04	1.11E-05	2.45E-05	9.07E-05	7.98E-06	2.78E-06	1.59E-05	1.90E-06	2.52E-06	8.32E-06	5.74E-07
9143	471262.63	3819734.01	0.000029474	1.24E-04	1.11E-05	2.46E-05	9.10E-05	8.00E-06	2.78E-06	1.59E-05	1.90E-06	2.53E-06	8.34E-06	5.75E-07
9144	471258.87	3819742.84	0.000029546	1.24E-04	1.12E-05	2.46E-05	9.12E-05	8.02E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.36E-06	5.77E-07
9145	471255.11	3819751.67	0.000029614	1.24E-04	1.12E-05	2.47E-05	9.14E-05	8.04E-06	2.80E-06	1.60E-05	1.91E-06	2.54E-06	8.38E-06	5.78E-07
9146	471251.35	3819760.5	0.000029672	1.25E-04	1.12E-05	2.47E-05	9.16E-05	8.05E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.40E-06	5.79E-07
9147	471247.59	3819769.33	0.00002972	1.25E-04	1.12E-05	2.48E-05	9.17E-05	8.07E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.41E-06	5.80E-07
9148	471243.83	3819778.16	0.000029763	1.25E-04	1.13E-05	2.48E-05	9.18E-05	8.08E-06	2.81E-06	1.61E-05	1.92E-06	2.56E-06	8.42E-06	5.81E-07
9149	471240.06	3819786.99	0.000029792	1.25E-04	1.13E-05	2.48E-05	9.19E-05	8.09E-06	2.81E-06	1.61E-05	1.92E-06	2.56E-06	8.43E-06	5.81E-07
9150	471236.3	3819795.82	0.000029821	1.25E-04	1.13E-05	2.48E-05	9.20E-05	8.10E-06	2.82E-06	1.61E-05	1.92E-06	2.56E-06	8.44E-06	5.82E-07
9151	471232.54	3819804.65	0.000029835	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.92E-06	2.56E-06	8.44E-06	5.82E-07
9152	471228.78	3819813.48	0.000029845	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.93E-06	2.56E-06	8.45E-06	5.82E-07
9153	471225.02	3819822.31	0.00002985	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.93E-06	2.56E-06	8.45E-06	5.82E-07
9154	471221.26	3819831.14	0.000029845	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.93E-06	2.56E-06	8.45E-06	5.82E-07
9155	471217.5	3819839.97	0.00002983	1.25E-04	1.13E-05	2.48E-05	9.20E-05	8.10E-06	2.82E-06	1.61E-05	1.92E-06	2.56E-06	8.44E-06	5.82E-07
9156	471213.74	3819848.8	0.000029811	1.25E-04	1.13E-05	2.48E-05	9.20E-05	8.09E-06	2.82E-06	1.61E-05	1.92E-06	2.56E-06	8.44E-06	5.82E-07
9157	471209.98	3819857.63	0.000029787	1.25E-04	1.13E-05	2.48E-05	9.19E-05	8.09E-06	2.81E-06	1.61E-05	1.92E-06	2.56E-06	8.43E-06	5.81E-07
9158	471206.22	3819866.47	0.000029758	1.25E-04	1.13E-05	2.48E-05	9.18E-05	8.08E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.42E-06	5.81E-07
9159	471202.46	3819875.3	0.00002972	1.25E-04	1.12E-05	2.48E-05	9.17E-05	8.07E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.41E-06	5.80E-07
9160	471198.7	3819884.13	0.000029681	1.25E-04	1.12E-05	2.47E-05	9.16E-05	8.06E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.40E-06	5.79E-07
9161	471194.94	3819892.96	0.000029633	1.24E-04	1.12E-05	2.47E-05	9.14E-05	8.04E-06	2.80E-06	1.60E-05	1.91E-06	2.54E-06	8.39E-06	5.78E-07
9162	471191.18	3819901.79	0.000029585	1.24E-04	1.12E-05	2.46E-05	9.13E-05	8.03E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.37E-06	5.77E-07
9163	471187.42	3819910.62	0.000029532	1.24E-04	1.12E-05	2.46E-05	9.11E-05	8.02E-06	2.79E-06	1.60E-05	1.90E-06	2.54E-06	8.36E-06	5.76E-07
9164	471183.65	3819919.45	0.000029479	1.24E-04	1.11E-05	2.46E-05	9.10E-05	8.00E-06	2.78E-06	1.59E-05	1.90E-06	2.53E-06	8.34E-06	5.75E-07
9165	471179.89	3819928.28	0.000029417	1.24E-04	1.11E-05	2.45E-05	9.08E-05	7.99E-06	2.78E-06	1.59E-05	1.90E-06	2.53E-06	8.33E-06	5.74E-07
9166	471176.13	3819937.11	0.000029359	1.23E-04	1.11E-05	2.45E-05	9.06E-05	7.97E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.31E-06	5.73E-07
9167	471172.37	3819945.94	0.000029292	1.23E-04	1.11E-05	2.44E-05	9.04E-05	7.95E-06	2.77E-06	1.58E-05	1.89E-06	2.51E-06	8.29E-06	5.72E-07
9168	471168.61	3819954.77	0.000029229	1.23E-04	1.11E-05	2.43E-05	9.02E-05	7.93E-06	2.76E-06	1.58E-05	1.89E-06	2.51E-06	8.27E-06	5.70E-07
9169	471164.85	3819963.6	0.000029162	1.22E-04	1.10E-05	2.43E-05	9.00E-05	7.92E-06	2.75E-06	1.58E-05	1.88E-06	2.50E-06	8.25E-06	5.69E-07
9170	471161.09	3819972.43	0.000029094	1.22E-04	1.10E-05	2.42E-05	8.98E-05	7.90E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.24E-06	5.68E-07
9171	471157.33	3819981.26	0.000029022	1.22E-04	1.10E-05	2.42E-05	8.96E-05	7.88E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.22E-06	5.66E-07
9172	471153.57	3819990.09	0.00002895	1.22E-04	1.09E-05	2.41E-05	8.93E-05	7.86E-06	2.73E-06	1.57E-05	1.87E-06	2.49E-06	8.19E-06	5.65E-07
9173	471149.81	3819998.92	0.000028878	1.21E-04	1.09E-05	2.41E-05	8.91E-05	7.84E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.17E-06	5.63E-07
9174	471146.05	3820007.75	0.000028806	1.21E-04	1.09E-05	2.40E-05	8.89E-05	7.82E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.15E-06	5.62E-07
9175	471142.29	3820016.58	0.000028734	1.21E-04	1.09E-05	2.39E-05	8.87E-05	7.80E-06	2.71E-06	1.55E-05	1.85E-06	2.47E-06	8.13E-06	5.61E-07
9176	471138.53	3820025.41	0.000028661	1.20E-04	1.08E-05	2.39E-05	8.84E-05	7.78E-06	2.71E-06	1.55E-05	1.85E-06	2.46E-06	8.11E-06	5.59E-07
9177	471134.77	3820034.24	0.000028589	1.20E-04	1.08E-05	2.38E-05	8.82E-05	7.76E-06	2.70E-06	1.55E-05	1.84E-06	2.45E-06	8.09E-06	5.58E-07
9178	471131	3820043.08	0.000028512	1.20E-04	1.08E-05	2.37E-05	8.80E-05	7.74E-06	2.69E-06	1.54E-05	1.84E-06	2.45E-06	8.07E-06	5.56E-07
9179	471127.24	3820051.91	0.00002843	1.19E-04	1.08E-05	2.37E-05	8.77E-05	7.72E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
9180	471123.48	3820060.74	0.000028353	1.19E-04	1.07E-05	2.36E-05	8.75E-05	7.70E-06	2.68E-06	1.53E-05	1.83E-06	2.43E-06	8.03E-06	5.53E-07
9181	471119.72	3820069.57	0.000028276	1.19E-04	1.07E-05	2.36E-05	8.73E-05	7.68E-06	2.67E-06	1.53E-05	1.82E-06	2.43E-06	8.00E-06	5.52E-07
9182	471115.96	3820078.4	0.0000282	1.18E-04	1.07E-05	2.35E-05	8.70E-05	7.66E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
9183	471112.2	3820087.23	0.000028123	1.18E-04	1.06E-05	2.34E-05	8.68E-05	7.63E-06	2.66E-06	1.52E-05	1.81E-06	2.41E-06	7.96E-06	5.49E-07
9184	471108.44	3820096.06	0.000028041	1.18E-04	1.06E-05	2.34E-05	8.65E-05	7.61E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.94E-06	5.47E-07
9185	471104.68	3820104.89	0.000027954	1.17E-04	1.06E-05	2.33E-05	8.63E-05	7.59E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.91E-06	5.45E-07
9186	471100.92	3820113.72	0.000027863	1.17E-04	1.05E-05	2.32E-05	8.60E-05	7.56E-06	2.63E-06	1.51E-05	1.80E-06	2.39E-06	7.89E-06	5.44E-07
9187	471097.16	3820122.55	0.000027771	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
9188	471093.4	3820131.38	0.000027675	1.16E-04	1.05E-05	2.31E-05	8.54E-05	7.51E-06	2.61E-06	1.50E-05	1.78E-06	2.38E-06	7.83E-06	5.40E-07
9189	471089.64	3820140.21	0.000027579	1.16E-04	1.04E-05	2.30E-05	8.51E-05	7.49E-06	2.60E-06	1.49E-05	1.78E-06	2.37E-06	7.81E-06	5.38E-07
9190	471085.88	3820149.04	0.000027483	1.15E-04	1.04E-05	2.29E-05	8.48E-05	7.46E-06	2.60E-06	1.49E-05	1.77E-06	2.36E-06	7.78E-06	5.36E-07
9191	471082.12	3820157.87	0.000027387	1.15E-04	1.04E-05	2.28E-05	8.45E-05	7.43E-06	2.59E-06	1.48E-05	1.77E-06	2.35E-06	7.75E-06	5.34E-07
9192	471078.36	3820166.7	0.000027281	1.15E-04	1.03E-05	2.27E-05	8.42E-05	7.41E-06	2.58E-06	1.47E-05	1.76E-06	2.34E-06	7.72E-06	5.32E-07
9193	471074.59	3820175.53	0.000027175	1.14E-04	1.03E-05	2.26E-05	8.39E-05	7.38E-06	2.57E-06	1.47E-05	1.75E-06	2.33E-06	7.69E-06	5.30E-07
9194	471070.83	3820184.36	0.000027064	1.14E-04	1.02E-05	2.25E-05	8.35E-05	7.35E-06	2.56E-06	1.46E-05	1.75E-06	2.32E-06	7.66E-06	5.28E-07

9195	471067.07	3820193.19	0.000026944	1.13E-04	1.02E-05	2.24E-05	8.31E-05	7.31E-06	2.54E-06	1.46E-05	1.74E-06	2.31E-06	7.63E-06	5.26E-07
9196	471063.31	3820202.02	0.000026824	1.13E-04	1.01E-05	2.23E-05	8.28E-05	7.28E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.59E-06	5.23E-07
9197	471059.55	3820210.85	0.000026694	1.12E-04	1.01E-05	2.22E-05	8.24E-05	7.25E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.56E-06	5.21E-07
9198	471055.79	3820219.69	0.000026569	1.12E-04	1.00E-05	2.21E-05	8.20E-05	7.21E-06	2.51E-06	1.44E-05	1.71E-06	2.28E-06	7.52E-06	5.18E-07
9199	471052.03	3820228.52	0.000026444	1.11E-04	1.00E-05	2.20E-05	8.16E-05	7.18E-06	2.50E-06	1.43E-05	1.71E-06	2.27E-06	7.49E-06	5.16E-07
9200	471039.36	3820240.91	0.000026477	1.11E-04	1.00E-05	2.21E-05	8.17E-05	7.19E-06	2.50E-06	1.43E-05	1.71E-06	2.27E-06	7.49E-06	5.17E-07
9201	471030.44	3820244.47	0.000026641	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
9202	471021.53	3820248.03	0.0000268	1.13E-04	1.01E-05	2.23E-05	8.27E-05	7.27E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.59E-06	5.23E-07
9203	471012.62	3820251.59	0.000026954	1.13E-04	1.02E-05	2.25E-05	8.32E-05	7.32E-06	2.55E-06	1.46E-05	1.74E-06	2.31E-06	7.63E-06	5.26E-07
9204	471003.71	3820255.15	0.000027108	1.14E-04	1.03E-05	2.26E-05	8.37E-05	7.36E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.67E-06	5.29E-07
9205	470994.79	3820258.71	0.000027257	1.14E-04	1.03E-05	2.27E-05	8.41E-05	7.40E-06	2.57E-06	1.47E-05	1.76E-06	2.34E-06	7.72E-06	5.32E-07
9206	470968.05	3820269.4	0.00002769	1.16E-04	1.05E-05	2.31E-05	8.54E-05	7.52E-06	2.61E-06	1.50E-05	1.79E-06	2.38E-06	7.84E-06	5.40E-07
9207	470959.14	3820272.96	0.000027844	1.17E-04	1.05E-05	2.32E-05	8.59E-05	7.56E-06	2.63E-06	1.51E-05	1.80E-06	2.39E-06	7.88E-06	5.43E-07
9208	470950.23	3820276.52	0.000027997	1.18E-04	1.06E-05	2.33E-05	8.64E-05	7.60E-06	2.64E-06	1.51E-05	1.81E-06	2.40E-06	7.93E-06	5.46E-07
9209	470941.32	3820280.08	0.000028142	1.18E-04	1.06E-05	2.34E-05	8.68E-05	7.64E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.97E-06	5.49E-07
9210	470932.4	3820283.64	0.000028286	1.19E-04	1.07E-05	2.36E-05	8.73E-05	7.68E-06	2.67E-06	1.53E-05	1.82E-06	2.43E-06	8.01E-06	5.52E-07
9211	470923.49	3820287.2	0.00002843	1.19E-04	1.08E-05	2.37E-05	8.77E-05	7.72E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
9212	470914.58	3820290.76	0.00002857	1.20E-04	1.08E-05	2.38E-05	8.82E-05	7.76E-06	2.70E-06	1.54E-05	1.84E-06	2.45E-06	8.09E-06	5.57E-07
9213	470905.66	3820294.32	0.000028719	1.21E-04	1.09E-05	2.39E-05	8.86E-05	7.80E-06	2.71E-06	1.55E-05	1.85E-06	2.47E-06	8.13E-06	5.60E-07
9214	470896.75	3820297.89	0.000028868	1.21E-04	1.09E-05	2.40E-05	8.91E-05	7.84E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.17E-06	5.63E-07
9215	470887.84	3820301.45	0.000029027	1.22E-04	1.10E-05	2.42E-05	8.96E-05	7.88E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.22E-06	5.66E-07
9216	470878.93	3820305.01	0.000029195	1.23E-04	1.10E-05	2.43E-05	9.01E-05	7.93E-06	2.76E-06	1.58E-05	1.88E-06	2.51E-06	8.26E-06	5.70E-07
9217	470870.01	3820308.57	0.000029364	1.23E-04	1.11E-05	2.45E-05	9.06E-05	7.97E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.31E-06	5.73E-07
9218	470861.1	3820312.13	0.000029542	1.24E-04	1.12E-05	2.46E-05	9.12E-05	8.02E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.36E-06	5.76E-07
9219	470852.19	3820315.69	0.000029729	1.25E-04	1.12E-05	2.48E-05	9.17E-05	8.07E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.42E-06	5.80E-07
9220	470843.27	3820319.25	0.000029922	1.26E-04	1.13E-05	2.49E-05	9.23E-05	8.12E-06	2.83E-06	1.62E-05	1.93E-06	2.57E-06	8.47E-06	5.84E-07
9221	470834.36	3820322.81	0.000030124	1.27E-04	1.14E-05	2.51E-05	9.30E-05	8.18E-06	2.84E-06	1.63E-05	1.94E-06	2.59E-06	8.53E-06	5.88E-07
9222	470763.06	3820351.3	0.000032072	1.35E-04	1.21E-05	2.67E-05	9.90E-05	8.71E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.08E-06	6.26E-07
9223	470754.15	3820354.86	0.000032375	1.36E-04	1.22E-05	2.70E-05	9.99E-05	8.79E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.16E-06	6.32E-07
9224	470745.23	3820358.42	0.000032693	1.37E-04	1.24E-05	2.72E-05	1.01E-04	8.87E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.25E-06	6.38E-07
9225	470736.32	3820361.99	0.00003301	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.96E-06	3.12E-06	1.78E-05	2.13E-06	2.83E-06	9.34E-06	6.44E-07
9226	470727.41	3820365.55	0.000033332	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.05E-06	3.15E-06	1.80E-05	2.15E-06	2.86E-06	9.44E-06	6.50E-07
9227	470718.49	3820369.11	0.00003366	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.14E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.53E-06	6.57E-07
9228	470709.58	3820372.67	0.000034001	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.23E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.62E-06	6.63E-07
9229	470700.67	3820376.23	0.000034371	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.33E-06	3.25E-06	1.86E-05	2.22E-06	2.95E-06	9.73E-06	6.71E-07
9230	470691.76	3820379.79	0.000034742	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.43E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.78E-07
9231	470682.84	3820383.35	0.000035127	1.48E-04	1.33E-05	2.93E-05	1.08E-04	9.54E-06	3.32E-06	1.90E-05	2.27E-06	3.02E-06	9.94E-06	6.85E-07
9232	470673.93	3820386.91	0.000035526	1.49E-04	1.34E-05	2.96E-05	1.10E-04	9.64E-06	3.35E-06	1.92E-05	2.29E-06	3.05E-06	1.01E-05	6.93E-07
9233	470665.02	3820390.47	0.000035935	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.75E-06	3.39E-06	1.94E-05	2.32E-06	3.08E-06	1.02E-05	7.01E-07
9234	470656.1	3820394.03	0.000036349	1.53E-04	1.37E-05	3.03E-05	1.12E-04	9.87E-06	3.43E-06	1.97E-05	2.34E-06	3.12E-06	1.03E-05	7.09E-07
9235	470647.19	3820397.6	0.000036758	1.54E-04	1.39E-05	3.06E-05	1.13E-04	9.98E-06	3.47E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.17E-07
9236	470638.28	3820401.16	0.000037152	1.56E-04	1.41E-05	3.09E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.25E-07
9237	470629.37	3820404.72	0.000037546	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.33E-07
9238	470620.45	3820408.28	0.000037941	1.59E-04	1.43E-05	3.16E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.45E-06	3.26E-06	1.07E-05	7.40E-07
9239	470611.54	3820411.84	0.000038335	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.62E-06	2.07E-05	2.47E-06	3.29E-06	1.09E-05	7.48E-07
9240	470602.63	3820415.4	0.000038715	1.63E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.66E-06	2.09E-05	2.50E-06	3.32E-06	1.10E-05	7.55E-07
9241	470593.71	3820418.96	0.000039091	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.36E-06	1.11E-05	7.63E-07
9242	470584.8	3820422.52	0.000039447	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.54E-06	3.39E-06	1.12E-05	7.70E-07
9243	470575.89	3820426.08	0.000039788	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.76E-07
9244	470566.98	3820429.65	0.00004013	1.69E-04	1.52E-05	3.34E-05	1.24E-04	1.09E-05	3.79E-06	2.17E-05	2.59E-06	3.45E-06	1.14E-05	7.83E-07
9245	470558.06	3820433.21	0.000040452	1.70E-04	1.53E-05	3.37E-05	1.25E-04	1.10E-05	3.82E-06	2.19E-05	2.61E-06	3.47E-06	1.15E-05	7.89E-07
9246	470549.15	3820436.77	0.000040765	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.20E-05	2.63E-06	3.50E-06	1.15E-05	7.95E-07
9247	470540.24	3820440.33	0.000041063	1.72E-04	1.55E-05	3.42E-05	1.27E-04	1.11E-05	3.88E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.01E-07
9248	470531.32	3820443.89	0.000041347	1.74E-04	1.56E-05	3.44E-05	1.28E-04	1.12E-05	3.90E-06	2.24E-05	2.67E-06	3.55E-06	1.17E-05	8.07E-07
9249	470522.41	3820447.45	0.000041611	1.75E-04	1.57E-05	3.47E-05	1.28E-04	1.13E-05	3.93E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.12E-07
9250	470513.5	3820451.01	0.000041862	1.76E-04	1.58E-05	3.49E-05	1.29E-04	1.14E-05	3.95E-06	2.26E-05	2.70E-06	3.59E-06	1.18E-05	8.17E-07
9251	470504.59	3820454.57	0.000042097	1.77E-04	1.59E-05	3.51E-05	1.30E-04	1.14E-05	3.98E-06	2.28E-05	2.72E-06	3.61E-06	1.19E-05	8.21E-07
9252	470495.67	3820458.13	0.000042314	1.78E-04	1.60E-05	3.52E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.63E-06	1.20E-05	8.26E-07
9253	470486.76	3820461.7	0.000042511	1.79E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.01E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.29E-07
9254	470477.85	3820465.26	0.000042689	1.79E-04	1.61E-05	3.56E-05	1.32E-04	1.16E-05	4.03E-06	2.31E-05	2.75E-06	3.66E-06	1.21E-05	8.33E-07
9255	470468.93	3820468.82	0.000042848	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.76E-06	3.68E-06	1.21E-05	8.36E-07
9256	470460.02	3820472.38	0.000042992	1.81E-04	1.63E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.39E-07
9257	470451.11	3820475.94	0.000043127	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.42E-07
9258	470442.2	3820479.5	0.000043261	1.82E-04	1.64E-05	3.60E-05	1.33E-04	1.17E-05	4.09E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.44E-07
9259	470433.28	3820483.06	0.000043372	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.10E-06	2.34E-05	2.80E-06	3.72E-06	1.23E-05	8.46E-07
9260	470424.37	3820486.62	0.000043468	1.83E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.48E-07
9261	470415.46	3820490.18	0.00004356	1.83E-04	1.65E-05	3.63E-05	1.34E-04	1.18E-05	4.11E-06	2.35E-05	2.81E-06	3.74E-06	1.23E-05	8.50E-07
9262	470406.54	3820493.75	0.000043656	1.83E-04	1.65E-05	3.64E-05	1.35E-04	1.19E-05	4.12E-06	2.36E-05	2.82E-06	3.75E-06	1.24E-05	8.52E-07
9263	470397.63	3820497.31	0.000043771	1.84E-04	1.66E-05	3.65E-05	1.35E-04	1.19E-05	4.13E-06	2.37E-05	2.82E-06	3.76E-06	1.24E-05	8.54E-07
9264	470388.72	3820500.87	0.000043887	1.84E-04	1.66E-05	3.66E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.77E-06	1.24E-05	8.56E-07
9265	470379.81	3820504.43	0.000044012	1.85E-04	1.66E-05	3.67E-05	1.36E-04	1.19E-05	4.16E-06	2.38E-05	2.84E-06	3.78E-06	1.25E-05	8.59E-07
9266	470370.89	3820507.99	0.000044142	1.85E-04	1.67E-05	3.68E-05	1.36E-04	1.20E-05	4.17E-06	2.39E-05	2.85E-06	3.79E-06	1.25E-05	8.61E-07
9267	470361.98	3820511.55	0.000044276	1.86E-04	1.67E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.39E-05	2.86E-06	3.80E-06	1.25E-05	8.64E-07

9268	470353.07	3820515.11	0.000044406	1.86E-04	1.68E-05	3.70E-05	1.37E-04	1.21E-05	4.19E-06	2.40E-05	2.86E-06	3.81E-06	1.26E-05	8.66E-07
9269	470344.15	3820518.67	0.000044517	1.87E-04	1.68E-05	3.71E-05	1.37E-04	1.21E-05	4.20E-06	2.41E-05	2.87E-06	3.82E-06	1.26E-05	8.69E-07
9270	470335.24	3820522.23	0.000044623	1.87E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.21E-06	2.41E-05	2.88E-06	3.83E-06	1.26E-05	8.71E-07
9271	470326.33	3820525.8	0.000044738	1.88E-04	1.69E-05	3.73E-05	1.38E-04	1.21E-05	4.22E-06	2.42E-05	2.89E-06	3.84E-06	1.27E-05	8.73E-07
9272	470317.42	3820529.36	0.000044863	1.88E-04	1.70E-05	3.74E-05	1.38E-04	1.22E-05	4.24E-06	2.43E-05	2.89E-06	3.85E-06	1.27E-05	8.75E-07
9273	470308.5	3820532.92	0.000044988	1.89E-04	1.70E-05	3.75E-05	1.39E-04	1.22E-05	4.25E-06	2.43E-05	2.90E-06	3.86E-06	1.27E-05	8.78E-07
9274	470299.59	3820536.48	0.000045113	1.89E-04	1.71E-05	3.76E-05	1.39E-04	1.22E-05	4.26E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.80E-07
9275	470290.68	3820540.04	0.000045243	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.27E-06	2.45E-05	2.92E-06	3.88E-06	1.28E-05	8.83E-07
9276	470281.76	3820543.6	0.000045388	1.91E-04	1.72E-05	3.78E-05	1.40E-04	1.23E-05	4.29E-06	2.45E-05	2.93E-06	3.90E-06	1.28E-05	8.86E-07
9277	470272.85	3820547.16	0.000045522	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.24E-05	4.30E-06	2.46E-05	2.94E-06	3.91E-06	1.29E-05	8.88E-07
9278	471379.21	3819460.26	0.00002462	1.03E-04	9.31E-06	2.05E-05	7.60E-05	6.68E-06	2.32E-06	1.33E-05	1.59E-06	2.11E-06	6.97E-06	4.80E-07
9279	471379.29	3819450.61	0.000024553	1.03E-04	9.29E-06	2.05E-05	7.58E-05	6.67E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.95E-06	4.79E-07
9280	471379.38	3819440.97	0.000024481	1.03E-04	9.26E-06	2.04E-05	7.55E-05	6.65E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.93E-06	4.78E-07
9281	471379.46	3819431.32	0.000024394	1.02E-04	9.23E-06	2.03E-05	7.53E-05	6.62E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.91E-06	4.76E-07
9282	471379.54	3819421.67	0.000024303	1.02E-04	9.19E-06	2.02E-05	7.50E-05	6.60E-06	2.29E-06	1.31E-05	1.57E-06	2.09E-06	6.88E-06	4.74E-07
9283	471379.62	3819412.02	0.000024202	1.02E-04	9.15E-06	2.02E-05	7.47E-05	6.57E-06	2.29E-06	1.31E-05	1.56E-06	2.08E-06	6.85E-06	4.72E-07
9284	471379.71	3819402.37	0.000024091	1.01E-04	9.11E-06	2.01E-05	7.43E-05	6.54E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.82E-06	4.70E-07
9285	471379.79	3819392.72	0.000023971	1.01E-04	9.07E-06	2.00E-05	7.40E-05	6.51E-06	2.26E-06	1.30E-05	1.55E-06	2.06E-06	6.79E-06	4.68E-07
9286	471379.87	3819383.08	0.000023846	1.00E-04	9.02E-06	1.99E-05	7.36E-05	6.47E-06	2.25E-06	1.29E-05	1.54E-06	2.05E-06	6.75E-06	4.65E-07
9287	471379.95	3819373.43	0.000023706	9.96E-05	8.97E-06	1.97E-05	7.32E-05	6.44E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.71E-06	4.63E-07
9288	471380.04	3819363.78	0.000023557	9.89E-05	8.91E-06	1.96E-05	7.27E-05	6.39E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.67E-06	4.60E-07
9289	471380.12	3819354.13	0.000023399	9.83E-05	8.85E-06	1.95E-05	7.22E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.57E-07
9290	471380.2	3819344.48	0.00002323	9.76E-05	8.79E-06	1.93E-05	7.17E-05	6.31E-06	2.19E-06	1.26E-05	1.50E-06	1.99E-06	6.58E-06	4.53E-07
9291	471380.29	3819334.84	0.000023052	9.68E-05	8.72E-06	1.92E-05	7.11E-05	6.26E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.53E-06	4.50E-07
9292	471380.37	3819325.19	0.000022865	9.60E-05	8.65E-06	1.90E-05	7.06E-05	6.21E-06	2.16E-06	1.24E-05	1.47E-06	1.96E-06	6.47E-06	4.46E-07
9293	471380.62	3819296.24	0.000022244	9.34E-05	8.41E-06	1.85E-05	6.86E-05	6.04E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.30E-06	4.34E-07
9294	471380.7	3819286.59	0.000022018	9.25E-05	8.33E-06	1.83E-05	6.79E-05	5.98E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.23E-06	4.30E-07
9295	471380.78	3819276.95	0.000021782	9.15E-05	8.24E-06	1.81E-05	6.72E-05	5.91E-06	2.06E-06	1.18E-05	1.40E-06	1.87E-06	6.17E-06	4.25E-07
9296	471380.86	3819267.3	0.000021537	9.04E-05	8.15E-06	1.79E-05	6.65E-05	5.85E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.10E-06	4.20E-07
9297	471380.95	3819257.65	0.000021287	8.94E-05	8.05E-06	1.77E-05	6.57E-05	5.78E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.03E-06	4.15E-07
9298	471455.43	3819469.82	0.000021667	9.10E-05	8.19E-06	1.80E-05	6.69E-05	5.88E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.13E-06	4.23E-07
9299	471451.65	3819478.68	0.000021845	9.17E-05	8.26E-06	1.82E-05	6.74E-05	5.93E-06	2.06E-06	1.18E-05	1.41E-06	1.88E-06	6.18E-06	4.26E-07
9300	471447.88	3819487.55	0.000022013	9.24E-05	8.33E-06	1.83E-05	6.79E-05	5.98E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.23E-06	4.30E-07
9301	471444.1	3819496.42	0.000022182	9.32E-05	8.39E-06	1.85E-05	6.84E-05	6.02E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.28E-06	4.33E-07
9302	471440.32	3819505.29	0.00002235	9.39E-05	8.45E-06	1.86E-05	6.90E-05	6.07E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.33E-06	4.36E-07
9303	471436.55	3819514.16	0.000022513	9.45E-05	8.51E-06	1.88E-05	6.95E-05	6.11E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.37E-06	4.39E-07
9304	471432.77	3819523.02	0.000022677	9.52E-05	8.58E-06	1.89E-05	7.00E-05	6.16E-06	2.14E-06	1.23E-05	1.46E-06	1.95E-06	6.42E-06	4.42E-07
9305	471428.99	3819531.89	0.000022836	9.59E-05	8.64E-06	1.90E-05	7.05E-05	6.20E-06	2.16E-06	1.23E-05	1.47E-06	1.96E-06	6.46E-06	4.46E-07
9306	471425.22	3819540.76	0.00002299	9.65E-05	8.69E-06	1.91E-05	7.09E-05	6.24E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.51E-06	4.49E-07
9307	471421.44	3819549.63	0.000023144	9.72E-05	8.75E-06	1.93E-05	7.14E-05	6.28E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.55E-06	4.52E-07
9308	471417.66	3819558.5	0.000023293	9.78E-05	8.81E-06	1.94E-05	7.19E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.55E-07
9309	471413.89	3819567.36	0.000023442	9.84E-05	8.87E-06	1.95E-05	7.23E-05	6.36E-06	2.21E-06	1.27E-05	1.51E-06	2.01E-06	6.64E-06	4.57E-07
9310	471410.11	3819576.23	0.000023586	9.91E-05	8.92E-06	1.96E-05	7.28E-05	6.40E-06	2.23E-06	1.28E-05	1.52E-06	2.02E-06	6.68E-06	4.60E-07
9311	471406.33	3819585.1	0.000023731	9.97E-05	8.97E-06	1.98E-05	7.32E-05	6.44E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.72E-06	4.63E-07
9312	471402.56	3819593.97	0.000023875	1.00E-04	9.03E-06	1.99E-05	7.37E-05	6.48E-06	2.25E-06	1.29E-05	1.54E-06	2.05E-06	6.76E-06	4.66E-07
9313	471387.45	3819629.44	0.000024418	1.03E-04	9.23E-06	2.03E-05	7.54E-05	6.63E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.91E-06	4.76E-07
9314	471383.67	3819638.31	0.000024548	1.03E-04	9.28E-06	2.04E-05	7.58E-05	6.66E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.95E-06	4.79E-07
9315	471379.9	3819647.18	0.000024678	1.04E-04	9.33E-06	2.06E-05	7.62E-05	6.70E-06	2.33E-06	1.33E-05	1.59E-06	2.12E-06	6.99E-06	4.82E-07
9316	471376.12	3819656.05	0.000024798	1.04E-04	9.38E-06	2.07E-05	7.65E-05	6.73E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.02E-06	4.84E-07
9317	471372.34	3819664.91	0.000024924	1.05E-04	9.43E-06	2.08E-05	7.69E-05	6.77E-06	2.35E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.86E-07
9318	471368.57	3819673.78	0.000025039	1.05E-04	9.47E-06	2.09E-05	7.73E-05	6.80E-06	2.36E-06	1.35E-05	1.62E-06	2.15E-06	7.09E-06	4.89E-07
9319	471364.79	3819682.65	0.000025154	1.06E-04	9.51E-06	2.10E-05	7.76E-05	6.83E-06	2.38E-06	1.36E-05	1.62E-06	2.16E-06	7.12E-06	4.91E-07
9320	471361.01	3819691.52	0.000025265	1.06E-04	9.56E-06	2.10E-05	7.80E-05	6.86E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.15E-06	4.93E-07
9321	471357.24	3819700.39	0.000025371	1.07E-04	9.60E-06	2.11E-05	7.83E-05	6.89E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.18E-06	4.95E-07
9322	471353.46	3819709.25	0.000025472	1.07E-04	9.63E-06	2.12E-05	7.86E-05	6.91E-06	2.41E-06	1.38E-05	1.64E-06	2.19E-06	7.21E-06	4.97E-07
9323	471349.68	3819718.12	0.000025568	1.07E-04	9.67E-06	2.13E-05	7.89E-05	6.94E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.24E-06	4.99E-07
9324	471345.91	3819726.99	0.00002566	1.08E-04	9.70E-06	2.14E-05	7.92E-05	6.97E-06	2.42E-06	1.39E-05	1.66E-06	2.20E-06	7.26E-06	5.01E-07
9325	471342.13	3819735.86	0.000025746	1.08E-04	9.74E-06	2.14E-05	7.94E-05	6.99E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.29E-06	5.02E-07
9326	471338.35	3819744.73	0.000025828	1.08E-04	9.77E-06	2.15E-05	7.97E-05	7.01E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.31E-06	5.04E-07
9327	471334.58	3819753.59	0.000025905	1.09E-04	9.80E-06	2.16E-05	7.99E-05	7.03E-06	2.45E-06	1.40E-05	1.67E-06	2.22E-06	7.33E-06	5.05E-07
9328	471330.8	3819762.46	0.000025972	1.09E-04	9.82E-06	2.16E-05	8.01E-05	7.05E-06	2.45E-06	1.40E-05	1.68E-06	2.23E-06	7.35E-06	5.07E-07
9329	471327.02	3819771.33	0.000026035	1.09E-04	9.85E-06	2.17E-05	8.03E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.37E-06	5.08E-07
9330	471323.25	3819780.2	0.000026092	1.10E-04	9.87E-06	2.17E-05	8.05E-05	7.08E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.39E-06	5.09E-07
9331	471319.47	3819789.07	0.000026145	1.10E-04	9.89E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.24E-06	7.40E-06	5.10E-07
9332	471315.69	3819797.93	0.000026189	1.10E-04	9.90E-06	2.18E-05	8.08E-05	7.11E-06	2.47E-06	1.42E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
9333	471311.92	3819806.8	0.000026227	1.10E-04	9.92E-06	2.18E-05	8.09E-05	7.12E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.42E-06	5.12E-07
9334	471308.14	3819815.67	0.000026261	1.10E-04	9.93E-06	2.19E-05	8.10E-05	7.13E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.43E-06	5.12E-07
9335	471304.36	3819824.54	0.000026285	1.10E-04	9.94E-06	2.19E-05	8.11E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.44E-06	5.13E-07
9336	471300.59	3819833.41	0.000026304	1.10E-04	9.95E-06	2.19E-05	8.12E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.13E-07
9337	471296.81	3819842.28	0.000026314	1.11E-04	9.95E-06	2.19E-05	8.12E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.13E-07
9338	471293.03	3819851.14	0.000026323	1.11E-04	9.96E-06	2.19E-05	8.12E-05	7.15E-06	2.49E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.14E-07
9339	471289.26	3819860.01	0.000026323	1.11E-04	9.96E-06	2.19E-05	8.12E-05	7.15E-06	2.49E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.14E-07
9340	471285.48	3819868.88	0.000026314	1.11E-04	9.95E-06	2.19E-05	8.12E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.13E-07

9341	471281.7	3819877.75	0.000026304	1.10E-04	9.95E-06	2.19E-05	8.12E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.13E-07
9342	471277.93	3819886.62	0.00002629	1.10E-04	9.94E-06	2.19E-05	8.11E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.44E-06	5.13E-07
9343	471274.15	3819895.48	0.000026266	1.10E-04	9.93E-06	2.19E-05	8.10E-05	7.13E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.43E-06	5.13E-07
9344	471270.37	3819904.35	0.000026242	1.10E-04	9.92E-06	2.19E-05	8.10E-05	7.12E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.43E-06	5.12E-07
9345	471266.6	3819913.22	0.000026213	1.10E-04	9.91E-06	2.18E-05	8.09E-05	7.12E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.42E-06	5.11E-07
9346	471262.82	3819922.09	0.000026179	1.10E-04	9.90E-06	2.18E-05	8.08E-05	7.11E-06	2.47E-06	1.42E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
9347	471259.04	3819930.96	0.000026141	1.10E-04	9.89E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.24E-06	7.40E-06	5.10E-07
9348	471255.27	3819939.82	0.000026097	1.10E-04	9.87E-06	2.17E-05	8.05E-05	7.08E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.39E-06	5.09E-07
9349	471251.49	3819948.69	0.000026049	1.09E-04	9.85E-06	2.17E-05	8.04E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.37E-06	5.08E-07
9350	471247.71	3819957.56	0.000026006	1.09E-04	9.84E-06	2.17E-05	8.02E-05	7.06E-06	2.46E-06	1.41E-05	1.68E-06	2.23E-06	7.36E-06	5.07E-07
9351	471243.94	3819966.43	0.000025958	1.09E-04	9.82E-06	2.16E-05	8.01E-05	7.05E-06	2.45E-06	1.40E-05	1.67E-06	2.23E-06	7.35E-06	5.07E-07
9352	471240.16	3819975.3	0.00002591	1.09E-04	9.80E-06	2.16E-05	8.00E-05	7.03E-06	2.45E-06	1.40E-05	1.67E-06	2.22E-06	7.33E-06	5.06E-07
9353	471236.38	3819984.16	0.000025857	1.09E-04	9.78E-06	2.15E-05	7.98E-05	7.02E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.32E-06	5.05E-07
9354	471232.61	3819993.03	0.000025804	1.08E-04	9.76E-06	2.15E-05	7.96E-05	7.00E-06	2.44E-06	1.39E-05	1.66E-06	2.22E-06	7.30E-06	5.04E-07
9355	471228.83	3820001.9	0.000025751	1.08E-04	9.74E-06	2.14E-05	7.95E-05	6.99E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.29E-06	5.02E-07
9356	471225.05	3820010.77	0.000025698	1.08E-04	9.72E-06	2.14E-05	7.93E-05	6.98E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.27E-06	5.01E-07
9357	471221.28	3820019.64	0.000025645	1.08E-04	9.70E-06	2.14E-05	7.91E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.26E-06	5.00E-07
9358	471217.5	3820028.51	0.000025587	1.07E-04	9.68E-06	2.13E-05	7.90E-05	6.95E-06	2.42E-06	1.38E-05	1.65E-06	2.20E-06	7.24E-06	4.99E-07
9359	471213.72	3820037.37	0.000025534	1.07E-04	9.66E-06	2.13E-05	7.88E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.23E-06	4.98E-07
9360	471209.95	3820046.24	0.000025477	1.07E-04	9.64E-06	2.12E-05	7.86E-05	6.92E-06	2.41E-06	1.38E-05	1.64E-06	2.19E-06	7.21E-06	4.97E-07
9361	471206.17	3820055.11	0.000025414	1.07E-04	9.61E-06	2.12E-05	7.84E-05	6.90E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.19E-06	4.96E-07
9362	471202.39	3820063.98	0.000025356	1.06E-04	9.59E-06	2.11E-05	7.82E-05	6.88E-06	2.39E-06	1.37E-05	1.64E-06	2.18E-06	7.18E-06	4.95E-07
9363	471198.62	3820072.85	0.000025299	1.06E-04	9.57E-06	2.11E-05	7.81E-05	6.87E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.16E-06	4.94E-07
9364	471194.84	3820081.71	0.000025241	1.06E-04	9.55E-06	2.10E-05	7.79E-05	6.85E-06	2.38E-06	1.36E-05	1.63E-06	2.17E-06	7.14E-06	4.93E-07
9365	471191.06	3820090.58	0.000025183	1.06E-04	9.52E-06	2.10E-05	7.77E-05	6.84E-06	2.38E-06	1.36E-05	1.62E-06	2.16E-06	7.13E-06	4.91E-07
9366	471187.29	3820099.45	0.000025126	1.06E-04	9.50E-06	2.09E-05	7.75E-05	6.82E-06	2.37E-06	1.36E-05	1.62E-06	2.16E-06	7.11E-06	4.90E-07
9367	471183.51	3820108.32	0.000025068	1.05E-04	9.48E-06	2.09E-05	7.74E-05	6.80E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.89E-07
9368	471179.73	3820117.19	0.00002501	1.05E-04	9.46E-06	2.08E-05	7.72E-05	6.79E-06	2.36E-06	1.35E-05	1.61E-06	2.15E-06	7.08E-06	4.88E-07
9369	471175.96	3820126.05	0.000024948	1.05E-04	9.43E-06	2.08E-05	7.70E-05	6.77E-06	2.36E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.87E-07
9370	471172.18	3820134.92	0.000024885	1.05E-04	9.41E-06	2.07E-05	7.68E-05	6.76E-06	2.35E-06	1.35E-05	1.61E-06	2.14E-06	7.04E-06	4.86E-07
9371	471168.4	3820143.79	0.000024823	1.04E-04	9.39E-06	2.07E-05	7.66E-05	6.74E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.03E-06	4.84E-07
9372	471164.63	3820152.66	0.00002476	1.04E-04	9.36E-06	2.06E-05	7.64E-05	6.72E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.01E-06	4.83E-07
9373	471160.85	3820161.53	0.000024693	1.04E-04	9.34E-06	2.06E-05	7.62E-05	6.70E-06	2.33E-06	1.33E-05	1.59E-06	2.12E-06	6.99E-06	4.82E-07
9374	471157.07	3820170.39	0.000024616	1.03E-04	9.31E-06	2.05E-05	7.60E-05	6.68E-06	2.32E-06	1.33E-05	1.59E-06	2.11E-06	6.97E-06	4.80E-07
9375	471153.3	3820179.26	0.000024539	1.03E-04	9.28E-06	2.04E-05	7.57E-05	6.66E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.95E-06	4.79E-07
9376	471149.52	3820188.13	0.000024462	1.03E-04	9.25E-06	2.04E-05	7.55E-05	6.64E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.92E-06	4.77E-07
9377	471145.74	3820197	0.00002439	1.02E-04	9.22E-06	2.03E-05	7.53E-05	6.62E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.90E-06	4.76E-07
9378	471141.97	3820205.87	0.000024313	1.02E-04	9.19E-06	2.03E-05	7.50E-05	6.60E-06	2.30E-06	1.31E-05	1.57E-06	2.09E-06	6.88E-06	4.74E-07
9379	471138.19	3820214.73	0.000024231	1.02E-04	9.16E-06	2.02E-05	7.48E-05	6.58E-06	2.29E-06	1.31E-05	1.56E-06	2.08E-06	6.86E-06	4.73E-07
9380	471134.41	3820223.6	0.000024149	1.01E-04	9.13E-06	2.01E-05	7.45E-05	6.56E-06	2.28E-06	1.31E-05	1.56E-06	2.07E-06	6.84E-06	4.71E-07
9381	471130.64	3820232.47	0.000024062	1.01E-04	9.10E-06	2.00E-05	7.43E-05	6.53E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.81E-06	4.70E-07
9382	471126.86	3820241.34	0.000023976	1.01E-04	9.07E-06	2.00E-05	7.40E-05	6.51E-06	2.26E-06	1.30E-05	1.55E-06	2.06E-06	6.79E-06	4.68E-07
9383	471123.08	3820250.21	0.000023884	1.00E-04	9.03E-06	1.99E-05	7.37E-05	6.48E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.76E-06	4.66E-07
9384	471119.31	3820259.08	0.000023793	9.99E-05	9.00E-06	1.98E-05	7.34E-05	6.46E-06	2.25E-06	1.29E-05	1.53E-06	2.04E-06	6.73E-06	4.64E-07
9385	471115.53	3820267.94	0.000023697	9.95E-05	8.96E-06	1.97E-05	7.31E-05	6.43E-06	2.24E-06	1.28E-05	1.53E-06	2.03E-06	6.71E-06	4.62E-07
9386	471111.75	3820276.81	0.000023596	9.91E-05	8.92E-06	1.97E-05	7.28E-05	6.41E-06	2.23E-06	1.28E-05	1.52E-06	2.03E-06	6.68E-06	4.60E-07
9387	471107.98	3820285.68	0.000023495	9.87E-05	8.89E-06	1.96E-05	7.25E-05	6.38E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.65E-06	4.58E-07
9388	471095.25	3820298.12	0.000023528	9.88E-05	8.90E-06	1.96E-05	7.26E-05	6.39E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.66E-06	4.59E-07
9389	471086.3	3820301.7	0.000023668	9.94E-05	8.95E-06	1.97E-05	7.30E-05	6.42E-06	2.24E-06	1.28E-05	1.53E-06	2.03E-06	6.70E-06	4.62E-07
9390	471077.35	3820305.28	0.000023803	1.00E-04	9.00E-06	1.98E-05	7.35E-05	6.46E-06	2.25E-06	1.29E-05	1.54E-06	2.04E-06	6.74E-06	4.64E-07
9391	471068.4	3820308.85	0.000023933	1.01E-04	9.05E-06	1.99E-05	7.39E-05	6.50E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.77E-06	4.67E-07
9392	471059.44	3820312.43	0.000024058	1.01E-04	9.10E-06	2.00E-05	7.42E-05	6.53E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.81E-06	4.69E-07
9393	471050.49	3820316.01	0.000024183	1.02E-04	9.15E-06	2.01E-05	7.46E-05	6.56E-06	2.28E-06	1.31E-05	1.56E-06	2.08E-06	6.85E-06	4.72E-07
9394	471041.54	3820319.58	0.000024308	1.02E-04	9.19E-06	2.02E-05	7.50E-05	6.60E-06	2.30E-06	1.31E-05	1.57E-06	2.09E-06	6.88E-06	4.74E-07
9395	471032.59	3820323.16	0.000024423	1.03E-04	9.24E-06	2.03E-05	7.54E-05	6.63E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.91E-06	4.77E-07
9396	471023.64	3820326.73	0.000024544	1.03E-04	9.28E-06	2.04E-05	7.57E-05	6.66E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.95E-06	4.79E-07
9397	471014.69	3820330.31	0.000024659	1.04E-04	9.33E-06	2.05E-05	7.61E-05	6.69E-06	2.33E-06	1.33E-05	1.59E-06	2.12E-06	6.98E-06	4.81E-07
9398	471005.74	3820333.89	0.000024779	1.04E-04	9.37E-06	2.06E-05	7.65E-05	6.73E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.01E-06	4.84E-07
9399	470996.79	3820337.46	0.000024899	1.05E-04	9.42E-06	2.07E-05	7.68E-05	6.76E-06	2.35E-06	1.35E-05	1.61E-06	2.14E-06	7.05E-06	4.86E-07
9400	470987.84	3820341.04	0.00002502	1.05E-04	9.46E-06	2.08E-05	7.72E-05	6.79E-06	2.36E-06	1.35E-05	1.61E-06	2.15E-06	7.08E-06	4.88E-07
9401	470960.99	3820351.77	0.000025385	1.07E-04	9.60E-06	2.11E-05	7.83E-05	6.89E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.19E-06	4.95E-07
9402	470952.04	3820355.34	0.00002551	1.07E-04	9.65E-06	2.12E-05	7.87E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.22E-06	4.98E-07
9403	470943.08	3820358.92	0.00002564	1.08E-04	9.70E-06	2.14E-05	7.91E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.26E-06	5.00E-07
9404	470934.13	3820362.5	0.00002577	1.08E-04	9.75E-06	2.15E-05	7.95E-05	7.00E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.29E-06	5.03E-07
9405	470925.18	3820366.07	0.000025905	1.09E-04	9.80E-06	2.16E-05	7.99E-05	7.03E-06	2.45E-06	1.40E-05	1.67E-06	2.22E-06	7.33E-06	5.05E-07
9406	470916.23	3820369.65	0.000026044	1.09E-04	9.85E-06	2.17E-05	8.04E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.37E-06	5.08E-07
9407	470907.28	3820373.23	0.000026189	1.10E-04	9.90E-06	2.18E-05	8.08E-05	7.11E-06	2.47E-06	1.42E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
9408	470898.33	3820376.8	0.000026343	1.11E-04	9.96E-06	2.19E-05	8.13E-05	7.15E-06	2.49E-06	1.42E-05	1.70E-06	2.26E-06	7.46E-06	5.14E-07
9409	470889.38	3820380.38	0.000026497	1.11E-04	1.00E-05	2.21E-05	8.18E-05	7.19E-06	2.50E-06	1.43E-05	1.71E-06	2.27E-06	7.50E-06	5.17E-07
9410	470880.43	3820383.95	0.000026651	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
9411	470871.48	3820387.53	0.000026809	1.13E-04	1.01E-05	2.23E-05	8.27E-05	7.28E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.59E-06	5.23E-07
9412	470862.53	3820391.11	0.000026978	1.13E-04	1.02E-05	2.25E-05	8.32E-05	7.32E-06	2.55E-06	1.46E-05	1.74E-06	2.32E-06	7.64E-06	5.26E-07
9413	470790.92	3820419.72	0.000028724	1.21E-04	1.09E-05	2.39E-05	8.86E-05	7.80E-06	2.71E-06	1.55E-05	1.85E-06	2.47E-06	8.13E-06	5.60E-07

9414	470781.97	3820423.29	0.000028979	1.22E-04	1.10E-05	2.41E-05	8.94E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.20E-06	5.65E-07
9415	470773.02	3820426.87	0.000029239	1.23E-04	1.11E-05	2.44E-05	9.02E-05	7.94E-06	2.76E-06	1.58E-05	1.89E-06	2.51E-06	8.28E-06	5.71E-07
9416	470764.07	3820430.45	0.000029518	1.24E-04	1.12E-05	2.46E-05	9.11E-05	8.01E-06	2.79E-06	1.60E-05	1.90E-06	2.53E-06	8.36E-06	5.76E-07
9417	470755.12	3820434.02	0.000029806	1.25E-04	1.13E-05	2.48E-05	9.20E-05	8.09E-06	2.81E-06	1.61E-05	1.92E-06	2.56E-06	8.44E-06	5.82E-07
9418	470746.17	3820437.6	0.000030105	1.26E-04	1.14E-05	2.51E-05	9.29E-05	8.17E-06	2.84E-06	1.63E-05	1.94E-06	2.58E-06	8.52E-06	5.87E-07
9419	470737.22	3820441.17	0.000030403	1.28E-04	1.15E-05	2.53E-05	9.38E-05	8.25E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.61E-06	5.93E-07
9420	470728.27	3820444.75	0.000030711	1.29E-04	1.16E-05	2.56E-05	9.48E-05	8.34E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.69E-06	5.99E-07
9421	470719.31	3820448.33	0.000031023	1.30E-04	1.17E-05	2.58E-05	9.57E-05	8.42E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.78E-06	6.05E-07
9422	470710.36	3820451.9	0.00003135	1.32E-04	1.19E-05	2.61E-05	9.67E-05	8.51E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.87E-06	6.12E-07
9423	470701.41	3820455.48	0.000031702	1.33E-04	1.20E-05	2.64E-05	9.78E-05	8.61E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.97E-06	6.19E-07
9424	470692.46	3820459.06	0.000032058	1.35E-04	1.21E-05	2.67E-05	9.89E-05	8.70E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.07E-06	6.26E-07
9425	470683.51	3820462.63	0.000032418	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.18E-06	6.33E-07
9426	470674.56	3820466.21	0.000032774	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.90E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.28E-06	6.40E-07
9427	470665.61	3820469.78	0.000033126	1.39E-04	1.25E-05	2.76E-05	1.02E-04	8.99E-06	3.13E-06	1.79E-05	2.14E-06	2.84E-06	9.38E-06	6.46E-07
9428	470656.66	3820473.36	0.000033467	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.47E-06	6.53E-07
9429	470647.71	3820476.94	0.000033809	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.18E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.57E-06	6.60E-07
9430	470638.76	3820480.51	0.00003415	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.22E-06	1.85E-05	2.20E-06	2.93E-06	9.67E-06	6.66E-07
9431	470629.81	3820484.09	0.000034487	1.45E-04	1.30E-05	2.87E-05	1.06E-04	9.36E-06	3.26E-06	1.86E-05	2.22E-06	2.96E-06	9.76E-06	6.73E-07
9432	470620.86	3820487.67	0.000034824	1.46E-04	1.32E-05	2.90E-05	1.07E-04	9.45E-06	3.29E-06	1.88E-05	2.25E-06	2.99E-06	9.86E-06	6.80E-07
9433	470611.91	3820491.24	0.000035132	1.48E-04	1.33E-05	2.93E-05	1.08E-04	9.54E-06	3.32E-06	1.90E-05	2.27E-06	3.02E-06	9.94E-06	6.85E-07
9434	470602.95	3820494.82	0.00003543	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.62E-06	3.35E-06	1.92E-05	2.29E-06	3.04E-06	1.00E-05	6.91E-07
9435	470594	3820498.39	0.000035718	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.70E-06	3.37E-06	1.93E-05	2.30E-06	3.07E-06	1.01E-05	6.97E-07
9436	470585.05	3820501.97	0.000035997	1.51E-04	1.36E-05	3.00E-05	1.11E-04	9.77E-06	3.40E-06	1.95E-05	2.32E-06	3.09E-06	1.02E-05	7.02E-07
9437	470576.1	3820505.55	0.000036262	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.84E-06	3.42E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.08E-07
9438	470567.15	3820509.12	0.000036512	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.91E-06	3.45E-06	1.97E-05	2.36E-06	3.13E-06	1.03E-05	7.12E-07
9439	470558.2	3820512.7	0.000036753	1.54E-04	1.39E-05	3.06E-05	1.13E-04	9.98E-06	3.47E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.17E-07
9440	470549.25	3820516.28	0.000036979	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.49E-06	2.00E-05	2.39E-06	3.17E-06	1.05E-05	7.22E-07
9441	470540.3	3820519.85	0.00003719	1.56E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.26E-07
9442	470531.35	3820523.43	0.000037388	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.53E-06	2.02E-05	2.41E-06	3.21E-06	1.06E-05	7.30E-07
9443	470522.4	3820527	0.000037571	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.42E-06	3.23E-06	1.06E-05	7.33E-07
9444	470513.45	3820530.58	0.000037739	1.58E-04	1.43E-05	3.14E-05	1.16E-04	1.02E-05	3.56E-06	2.04E-05	2.43E-06	3.24E-06	1.07E-05	7.36E-07
9445	470504.5	3820534.16	0.000037898	1.59E-04	1.43E-05	3.16E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.44E-06	3.25E-06	1.07E-05	7.40E-07
9446	470495.54	3820537.73	0.000038037	1.60E-04	1.44E-05	3.17E-05	1.17E-04	1.03E-05	3.59E-06	2.06E-05	2.45E-06	3.27E-06	1.08E-05	7.42E-07
9447	470486.59	3820541.31	0.000038167	1.60E-04	1.44E-05	3.18E-05	1.18E-04	1.04E-05	3.60E-06	2.06E-05	2.46E-06	3.28E-06	1.08E-05	7.45E-07
9448	470477.64	3820544.89	0.000038292	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.62E-06	2.07E-05	2.47E-06	3.29E-06	1.08E-05	7.47E-07
9449	470468.69	3820548.46	0.000038412	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
9450	470459.74	3820552.04	0.000038528	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.08E-05	2.49E-06	3.31E-06	1.09E-05	7.52E-07
9451	470450.79	3820555.61	0.000038638	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.49E-06	3.32E-06	1.09E-05	7.54E-07
9452	470441.84	3820559.19	0.000038744	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.09E-05	2.50E-06	3.33E-06	1.10E-05	7.56E-07
9453	470432.89	3820562.77	0.00003885	1.63E-04	1.47E-05	3.24E-05	1.20E-04	1.05E-05	3.67E-06	2.10E-05	2.51E-06	3.34E-06	1.10E-05	7.58E-07
9454	470423.94	3820566.34	0.000038946	1.64E-04	1.47E-05	3.24E-05	1.20E-04	1.06E-05	3.68E-06	2.11E-05	2.51E-06	3.34E-06	1.10E-05	7.60E-07
9455	470414.99	3820569.92	0.000039033	1.64E-04	1.48E-05	3.25E-05	1.20E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.35E-06	1.10E-05	7.62E-07
9456	470406.04	3820573.5	0.00003912	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.36E-06	1.11E-05	7.63E-07
9457	470397.09	3820577.07	0.000039216	1.65E-04	1.48E-05	3.27E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.65E-07
9458	470388.14	3820580.65	0.000039312	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.13E-05	2.54E-06	3.37E-06	1.11E-05	7.67E-07
9459	470379.18	3820584.22	0.000039403	1.65E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.12E-05	7.69E-07
9460	470370.23	3820587.8	0.000039485	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.70E-07
9461	470361.28	3820591.38	0.000039567	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.07E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.72E-07
9462	470352.33	3820594.95	0.000039649	1.67E-04	1.50E-05	3.30E-05	1.22E-04	1.08E-05	3.74E-06	2.14E-05	2.56E-06	3.40E-06	1.12E-05	7.74E-07
9463	470343.38	3820598.53	0.000039726	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.75E-06	2.15E-05	2.56E-06	3.41E-06	1.12E-05	7.75E-07
9464	470334.43	3820602.11	0.000039803	1.67E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.77E-07
9465	470325.48	3820605.68	0.000039884	1.68E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.77E-06	2.16E-05	2.57E-06	3.42E-06	1.13E-05	7.78E-07
9466	470316.53	3820609.26	0.000039976	1.68E-04	1.51E-05	3.33E-05	1.23E-04	1.09E-05	3.77E-06	2.16E-05	2.58E-06	3.43E-06	1.13E-05	7.80E-07
9467	470307.58	3820612.83	0.000040086	1.68E-04	1.52E-05	3.34E-05	1.24E-04	1.09E-05	3.79E-06	2.17E-05	2.59E-06	3.44E-06	1.13E-05	7.82E-07
9468	470298.63	3820616.41	0.000040202	1.69E-04	1.52E-05	3.35E-05	1.24E-04	1.09E-05	3.80E-06	2.17E-05	2.59E-06	3.45E-06	1.14E-05	7.84E-07
9469	470289.68	3820619.99	0.000040317	1.69E-04	1.52E-05	3.36E-05	1.24E-04	1.09E-05	3.81E-06	2.18E-05	2.60E-06	3.46E-06	1.14E-05	7.87E-07
9470	470280.73	3820623.56	0.000040447	1.70E-04	1.53E-05	3.37E-05	1.25E-04	1.10E-05	3.82E-06	2.19E-05	2.61E-06	3.47E-06	1.14E-05	7.89E-07
9471	470271.77	3820627.14	0.000040572	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.92E-07
9472	471459.21	3819460.95	0.000021489	9.02E-05	8.13E-06	1.79E-05	6.63E-05	5.83E-06	2.03E-06	1.16E-05	1.39E-06	1.84E-06	6.08E-06	4.19E-07
9473	471459.29	3819451.3	0.000021431	9.00E-05	8.11E-06	1.79E-05	6.61E-05	5.82E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.07E-06	4.18E-07
9474	471459.37	3819441.65	0.000021369	8.97E-05	8.08E-06	1.78E-05	6.59E-05	5.80E-06	2.02E-06	1.16E-05	1.38E-06	1.83E-06	6.05E-06	4.17E-07
9475	471459.45	3819432	0.000021301	8.95E-05	8.06E-06	1.77E-05	6.57E-05	5.78E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.03E-06	4.16E-07
9476	471459.54	3819422.35	0.000021219	8.91E-05	8.03E-06	1.77E-05	6.55E-05	5.76E-06	2.00E-06	1.15E-05	1.37E-06	1.82E-06	6.01E-06	4.14E-07
9477	471459.62	3819412.71	0.000021138	8.88E-05	7.99E-06	1.76E-05	6.52E-05	5.74E-06	2.00E-06	1.14E-05	1.36E-06	1.81E-06	5.98E-06	4.12E-07
9478	471459.87	3819383.76	0.000020839	8.75E-05	7.88E-06	1.74E-05	6.43E-05	5.66E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.90E-06	4.07E-07
9479	471459.95	3819374.11	0.000020724	8.70E-05	7.84E-06	1.73E-05	6.40E-05	5.63E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.87E-06	4.04E-07
9480	471460.03	3819364.47	0.000020604	8.65E-05	7.79E-06	1.72E-05	6.36E-05	5.59E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.83E-06	4.02E-07
9481	471460.12	3819354.82	0.000020474	8.60E-05	7.74E-06	1.71E-05	6.32E-05	5.56E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.80E-06	4.00E-07
9482	471460.2	3819345.17	0.000020334	8.54E-05	7.69E-06	1.69E-05	6.27E-05	5.52E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.76E-06	3.97E-07
9483	471460.28	3819335.52	0.000020185	8.48E-05	7.63E-06	1.68E-05	6.23E-05	5.48E-06	1.91E-06	1.09E-05	1.30E-06	1.73E-06	5.71E-06	3.94E-07
9484	471460.36	3819325.87	0.000020031	8.41E-05	7.58E-06	1.67E-05	6.18E-05	5.44E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.67E-06	3.91E-07
9485	471460.45	3819316.22	0.000019868	8.34E-05	7.51E-06	1.65E-05	6.13E-05	5.39E-06	1.88E-06	1.07E-05	1.28E-06	1.71E-06	5.62E-06	3.88E-07
9486	471460.53	3819306.58	0.000019699	8.27E-05	7.45E-06	1.64E-05	6.08E-05	5.35E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.58E-06	3.84E-07

9487	471460.61	3819296.93	0.000019521	8.20E-05	7.38E-06	1.63E-05	6.02E-05	5.30E-06	1.84E-06	1.06E-05	1.26E-06	1.68E-06	5.53E-06	3.81E-07
9488	471460.7	3819287.28	0.000019338	8.12E-05	7.31E-06	1.61E-05	5.97E-05	5.25E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.47E-06	3.77E-07
9489	471460.78	3819277.63	0.000019141	8.04E-05	7.24E-06	1.59E-05	5.91E-05	5.20E-06	1.81E-06	1.03E-05	1.23E-06	1.64E-06	5.42E-06	3.73E-07
9490	471460.86	3819267.98	0.000018944	7.96E-05	7.16E-06	1.58E-05	5.85E-05	5.14E-06	1.79E-06	1.02E-05	1.22E-06	1.63E-06	5.36E-06	3.70E-07
9491	471460.94	3819258.34	0.000018737	7.87E-05	7.09E-06	1.56E-05	5.78E-05	5.09E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.30E-06	3.66E-07
9492	471535.45	3819470.45	0.000019074	8.01E-05	7.21E-06	1.59E-05	5.89E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
9493	471524.19	3819496.89	0.000019502	8.19E-05	7.38E-06	1.62E-05	6.02E-05	5.29E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.52E-06	3.81E-07
9494	471520.44	3819505.7	0.000019642	8.25E-05	7.43E-06	1.64E-05	6.06E-05	5.33E-06	1.85E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.83E-07
9495	471516.68	3819514.51	0.000019776	8.31E-05	7.48E-06	1.65E-05	6.10E-05	5.37E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.60E-06	3.86E-07
9496	471512.93	3819523.32	0.000019906	8.36E-05	7.53E-06	1.66E-05	6.14E-05	5.40E-06	1.88E-06	1.08E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
9497	471509.18	3819532.14	0.000020041	8.42E-05	7.58E-06	1.67E-05	6.18E-05	5.44E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.67E-06	3.91E-07
9498	471505.42	3819540.95	0.000020171	8.47E-05	7.63E-06	1.68E-05	6.22E-05	5.48E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.71E-06	3.94E-07
9499	471501.67	3819549.76	0.000020301	8.53E-05	7.68E-06	1.69E-05	6.26E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.75E-06	3.96E-07
9500	471497.92	3819558.58	0.000020426	8.58E-05	7.72E-06	1.70E-05	6.30E-05	5.54E-06	1.93E-06	1.10E-05	1.32E-06	1.75E-06	5.78E-06	3.99E-07
9501	471494.16	3819567.39	0.000020551	8.63E-05	7.77E-06	1.71E-05	6.34E-05	5.58E-06	1.94E-06	1.11E-05	1.33E-06	1.76E-06	5.82E-06	4.01E-07
9502	471490.41	3819576.2	0.000020676	8.68E-05	7.82E-06	1.72E-05	6.38E-05	5.61E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.85E-06	4.03E-07
9503	471486.66	3819585.02	0.000020796	8.73E-05	7.86E-06	1.73E-05	6.42E-05	5.65E-06	1.96E-06	1.12E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
9504	471482.91	3819593.83	0.000020916	8.78E-05	7.91E-06	1.74E-05	6.45E-05	5.68E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.92E-06	4.08E-07
9505	471479.15	3819602.64	0.000021037	8.83E-05	7.96E-06	1.75E-05	6.49E-05	5.71E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.95E-06	4.10E-07
9506	471475.4	3819611.45	0.000021152	8.88E-05	8.00E-06	1.76E-05	6.53E-05	5.74E-06	2.00E-06	1.14E-05	1.36E-06	1.82E-06	5.99E-06	4.13E-07
9507	471471.65	3819620.27	0.000021268	8.93E-05	8.04E-06	1.77E-05	6.56E-05	5.77E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.02E-06	4.15E-07
9508	471467.89	3819629.08	0.000021383	8.98E-05	8.09E-06	1.78E-05	6.60E-05	5.80E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.05E-06	4.17E-07
9509	471464.14	3819637.89	0.000021498	9.03E-05	8.13E-06	1.79E-05	6.63E-05	5.84E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.09E-06	4.19E-07
9510	471460.39	3819646.71	0.000021609	9.07E-05	8.17E-06	1.80E-05	6.67E-05	5.87E-06	2.04E-06	1.17E-05	1.39E-06	1.86E-06	6.12E-06	4.22E-07
9511	471456.63	3819655.52	0.00002172	9.12E-05	8.21E-06	1.81E-05	6.70E-05	5.90E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.15E-06	4.24E-07
9512	471441.62	3819690.77	0.000022138	9.30E-05	8.37E-06	1.84E-05	6.83E-05	6.01E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.27E-06	4.32E-07
9513	471437.87	3819699.59	0.000022234	9.34E-05	8.41E-06	1.85E-05	6.86E-05	6.04E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.29E-06	4.34E-07
9514	471434.11	3819708.4	0.000022335	9.38E-05	8.45E-06	1.86E-05	6.89E-05	6.06E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.32E-06	4.36E-07
9515	471430.36	3819717.21	0.000022427	9.42E-05	8.48E-06	1.87E-05	6.92E-05	6.09E-06	2.12E-06	1.21E-05	1.45E-06	1.93E-06	6.35E-06	4.38E-07
9516	471426.61	3819726.02	0.000022518	9.46E-05	8.52E-06	1.88E-05	6.95E-05	6.11E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.37E-06	4.39E-07
9517	471422.85	3819734.84	0.000022605	9.49E-05	8.55E-06	1.88E-05	6.98E-05	6.14E-06	2.13E-06	1.22E-05	1.46E-06	1.94E-06	6.40E-06	4.41E-07
9518	471419.1	3819743.65	0.000022691	9.53E-05	8.58E-06	1.89E-05	7.00E-05	6.16E-06	2.14E-06	1.23E-05	1.46E-06	1.95E-06	6.42E-06	4.43E-07
9519	471415.35	3819752.46	0.000022768	9.56E-05	8.61E-06	1.90E-05	7.03E-05	6.18E-06	2.15E-06	1.23E-05	1.47E-06	1.95E-06	6.44E-06	4.44E-07
9520	471411.59	3819761.28	0.000022845	9.59E-05	8.64E-06	1.90E-05	7.05E-05	6.20E-06	2.16E-06	1.24E-05	1.47E-06	1.96E-06	6.47E-06	4.46E-07
9521	471407.84	3819770.09	0.000022918	9.62E-05	8.67E-06	1.91E-05	7.07E-05	6.22E-06	2.16E-06	1.24E-05	1.48E-06	1.97E-06	6.49E-06	4.47E-07
9522	471404.09	3819778.9	0.000022985	9.65E-05	8.69E-06	1.91E-05	7.09E-05	6.24E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.51E-06	4.49E-07
9523	471400.33	3819787.72	0.000023047	9.68E-05	8.72E-06	1.92E-05	7.11E-05	6.26E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.52E-06	4.50E-07
9524	471396.58	3819796.53	0.000023105	9.70E-05	8.74E-06	1.92E-05	7.13E-05	6.27E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.54E-06	4.51E-07
9525	471392.83	3819805.34	0.000023158	9.73E-05	8.76E-06	1.93E-05	7.15E-05	6.29E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.56E-06	4.52E-07
9526	471389.07	3819814.15	0.000023206	9.75E-05	8.78E-06	1.93E-05	7.16E-05	6.30E-06	2.19E-06	1.25E-05	1.50E-06	1.99E-06	6.57E-06	4.53E-07
9527	471385.32	3819822.97	0.000023249	9.76E-05	8.79E-06	1.94E-05	7.17E-05	6.31E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.58E-06	4.54E-07
9528	471381.57	3819831.78	0.000023288	9.78E-05	8.81E-06	1.94E-05	7.19E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.54E-07
9529	471377.81	3819840.59	0.000023317	9.79E-05	8.82E-06	1.94E-05	7.20E-05	6.33E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.60E-06	4.55E-07
9530	471374.06	3819849.41	0.000023341	9.80E-05	8.83E-06	1.94E-05	7.20E-05	6.34E-06	2.20E-06	1.26E-05	1.51E-06	2.00E-06	6.61E-06	4.55E-07
9531	471370.31	3819858.22	0.000023365	9.81E-05	8.84E-06	1.95E-05	7.21E-05	6.34E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.61E-06	4.56E-07
9532	471366.56	3819867.03	0.000023379	9.82E-05	8.84E-06	1.95E-05	7.21E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.56E-07
9533	471362.8	3819875.85	0.000023389	9.82E-05	8.85E-06	1.95E-05	7.22E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.56E-07
9534	471359.05	3819884.66	0.000023399	9.83E-05	8.85E-06	1.95E-05	7.22E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.57E-07
9535	471355.3	3819893.47	0.000023399	9.83E-05	8.85E-06	1.95E-05	7.22E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.57E-07
9536	471351.54	3819902.28	0.000023394	9.82E-05	8.85E-06	1.95E-05	7.22E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.56E-07
9537	471347.79	3819911.1	0.000023384	9.82E-05	8.84E-06	1.95E-05	7.22E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.56E-07
9538	471344.04	3819919.91	0.000023375	9.82E-05	8.84E-06	1.95E-05	7.21E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.56E-07
9539	471340.28	3819928.72	0.000023355	9.81E-05	8.83E-06	1.95E-05	7.21E-05	6.34E-06	2.21E-06	1.26E-05	1.51E-06	2.00E-06	6.61E-06	4.56E-07
9540	471336.53	3819937.54	0.000023336	9.80E-05	8.83E-06	1.94E-05	7.20E-05	6.33E-06	2.20E-06	1.26E-05	1.51E-06	2.00E-06	6.61E-06	4.55E-07
9541	471332.78	3819946.35	0.000023312	9.79E-05	8.82E-06	1.94E-05	7.19E-05	6.33E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.60E-06	4.55E-07
9542	471329.02	3819955.16	0.000023288	9.78E-05	8.81E-06	1.94E-05	7.19E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.54E-07
9543	471325.27	3819963.98	0.000023254	9.77E-05	8.79E-06	1.94E-05	7.18E-05	6.31E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.58E-06	4.54E-07
9544	471321.52	3819972.79	0.000023225	9.75E-05	8.78E-06	1.93E-05	7.17E-05	6.30E-06	2.19E-06	1.26E-05	1.50E-06	1.99E-06	6.57E-06	4.53E-07
9545	471317.76	3819981.6	0.000023192	9.74E-05	8.77E-06	1.93E-05	7.16E-05	6.30E-06	2.19E-06	1.25E-05	1.50E-06	1.99E-06	6.56E-06	4.53E-07
9546	471314.01	3819990.41	0.000023153	9.72E-05	8.76E-06	1.93E-05	7.14E-05	6.29E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.55E-06	4.52E-07
9547	471310.26	3819999.23	0.000023115	9.71E-05	8.74E-06	1.93E-05	7.13E-05	6.27E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.54E-06	4.51E-07
9548	471306.5	3820008.04	0.000023076	9.69E-05	8.73E-06	1.92E-05	7.12E-05	6.26E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.53E-06	4.50E-07
9549	471302.75	3820016.85	0.000023038	9.67E-05	8.71E-06	1.92E-05	7.11E-05	6.25E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.52E-06	4.50E-07
9550	471299	3820025.67	0.000022994	9.66E-05	8.70E-06	1.92E-05	7.10E-05	6.24E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.51E-06	4.49E-07
9551	471295.24	3820034.48	0.000022951	9.64E-05	8.68E-06	1.91E-05	7.08E-05	6.23E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.50E-06	4.48E-07
9552	471291.49	3820043.29	0.000022908	9.62E-05	8.66E-06	1.91E-05	7.07E-05	6.22E-06	2.16E-06	1.24E-05	1.48E-06	1.97E-06	6.48E-06	4.47E-07
9553	471287.74	3820052.11	0.00002286	9.60E-05	8.65E-06	1.90E-05	7.05E-05	6.21E-06	2.16E-06	1.24E-05	1.47E-06	1.96E-06	6.47E-06	4.46E-07
9554	471283.98	3820060.92	0.000022817	9.58E-05	8.63E-06	1.90E-05	7.04E-05	6.19E-06	2.15E-06	1.23E-05	1.47E-06	1.96E-06	6.46E-06	4.45E-07
9555	471280.23	3820069.73	0.000022768	9.56E-05	8.61E-06	1.90E-05	7.03E-05	6.18E-06	2.15E-06	1.23E-05	1.47E-06	1.95E-06	6.44E-06	4.44E-07
9556	471276.48	3820078.55	0.000022725	9.54E-05	8.59E-06	1.89E-05	7.01E-05	6.17E-06	2.15E-06	1.23E-05	1.47E-06	1.95E-06	6.43E-06	4.43E-07
9557	471272.72	3820087.36	0.000022682	9.53E-05	8.58E-06	1.89E-05	7.00E-05	6.16E-06	2.14E-06	1.23E-05	1.46E-06	1.95E-06	6.42E-06	4.43E-07
9558	471268.97	3820096.17	0.000022639	9.51E-05	8.56E-06	1.89E-05	6.99E-05	6.15E-06	2.14E-06	1.22E-05	1.46E-06	1.94E-06	6.41E-06	4.42E-07
9559	471265.22	3820104.98	0.000022595	9.49E-05	8.55E-06	1.88E-05	6.97E-05	6.13E-06	2.13E-06	1.22E-05	1.46E-06	1.94E-06	6.40E-06	4.41E-07

9560	471261.46	3820113.8	0.000022552	9.47E-05	8.53E-06	1.88E-05	6.96E-05	6.12E-06	2.13E-06	1.22E-05	1.45E-06	1.94E-06	6.38E-06	4.40E-07
9561	471257.71	3820122.61	0.000022509	9.45E-05	8.51E-06	1.87E-05	6.95E-05	6.11E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.37E-06	4.39E-07
9562	471253.96	3820131.42	0.000022465	9.43E-05	8.50E-06	1.87E-05	6.93E-05	6.10E-06	2.12E-06	1.21E-05	1.45E-06	1.93E-06	6.36E-06	4.38E-07
9563	471250.2	3820140.24	0.000022422	9.42E-05	8.48E-06	1.87E-05	6.92E-05	6.09E-06	2.12E-06	1.21E-05	1.45E-06	1.92E-06	6.35E-06	4.38E-07
9564	471246.45	3820149.05	0.000022379	9.40E-05	8.46E-06	1.86E-05	6.91E-05	6.07E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.33E-06	4.37E-07
9565	471242.7	3820157.86	0.000022331	9.38E-05	8.45E-06	1.86E-05	6.89E-05	6.06E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.32E-06	4.36E-07
9566	471238.95	3820166.68	0.000022283	9.36E-05	8.43E-06	1.86E-05	6.88E-05	6.05E-06	2.10E-06	1.20E-05	1.44E-06	1.91E-06	6.31E-06	4.35E-07
9567	471235.19	3820175.49	0.00002223	9.34E-05	8.41E-06	1.85E-05	6.86E-05	6.03E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.29E-06	4.34E-07
9568	471231.44	3820184.3	0.000022182	9.32E-05	8.39E-06	1.85E-05	6.84E-05	6.02E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.28E-06	4.33E-07
9569	471227.69	3820193.11	0.000022133	9.30E-05	8.37E-06	1.84E-05	6.83E-05	6.01E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.27E-06	4.32E-07
9570	471223.93	3820201.93	0.00002208	9.27E-05	8.35E-06	1.84E-05	6.81E-05	5.99E-06	2.09E-06	1.19E-05	1.42E-06	1.90E-06	6.25E-06	4.31E-07
9571	471220.18	3820210.74	0.000022032	9.25E-05	8.33E-06	1.84E-05	6.80E-05	5.98E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.24E-06	4.30E-07
9572	471216.43	3820219.55	0.000021979	9.23E-05	8.31E-06	1.83E-05	6.78E-05	5.97E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.22E-06	4.29E-07
9573	471212.67	3820228.37	0.000021927	9.21E-05	8.29E-06	1.83E-05	6.77E-05	5.95E-06	2.07E-06	1.19E-05	1.41E-06	1.88E-06	6.21E-06	4.28E-07
9574	471208.92	3820237.18	0.000021869	9.18E-05	8.27E-06	1.82E-05	6.75E-05	5.94E-06	2.07E-06	1.18E-05	1.41E-06	1.88E-06	6.19E-06	4.27E-07
9575	471205.17	3820245.99	0.000021816	9.16E-05	8.25E-06	1.82E-05	6.73E-05	5.92E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.18E-06	4.26E-07
9576	471201.41	3820254.81	0.000021753	9.14E-05	8.23E-06	1.81E-05	6.71E-05	5.91E-06	2.05E-06	1.18E-05	1.40E-06	1.87E-06	6.16E-06	4.24E-07
9577	471197.66	3820263.62	0.000021691	9.11E-05	8.20E-06	1.81E-05	6.69E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.23E-07
9578	471193.91	3820272.43	0.000021628	9.08E-05	8.18E-06	1.80E-05	6.67E-05	5.87E-06	2.04E-06	1.17E-05	1.40E-06	1.86E-06	6.12E-06	4.22E-07
9579	471190.15	3820281.24	0.000021561	9.05E-05	8.15E-06	1.80E-05	6.65E-05	5.85E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.10E-06	4.21E-07
9580	471186.4	3820290.06	0.000021494	9.03E-05	8.13E-06	1.79E-05	6.63E-05	5.83E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.08E-06	4.19E-07
9581	471182.65	3820298.87	0.000021426	9.00E-05	8.10E-06	1.78E-05	6.61E-05	5.82E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.06E-06	4.18E-07
9582	471178.89	3820307.68	0.000021349	8.97E-05	8.07E-06	1.78E-05	6.59E-05	5.80E-06	2.02E-06	1.15E-05	1.38E-06	1.83E-06	6.04E-06	4.17E-07
9583	471175.14	3820316.5	0.000021268	8.93E-05	8.04E-06	1.77E-05	6.56E-05	5.77E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.02E-06	4.15E-07
9584	471171.39	3820325.31	0.000021186	8.90E-05	8.01E-06	1.76E-05	6.54E-05	5.75E-06	2.00E-06	1.15E-05	1.37E-06	1.82E-06	6.00E-06	4.13E-07
9585	471167.63	3820334.12	0.000021099	8.86E-05	7.98E-06	1.76E-05	6.51E-05	5.73E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.97E-06	4.12E-07
9586	471163.88	3820342.94	0.000021017	8.83E-05	7.95E-06	1.75E-05	6.49E-05	5.71E-06	1.98E-06	1.14E-05	1.36E-06	1.80E-06	5.95E-06	4.10E-07
9587	471151.23	3820355.3	0.000021046	8.84E-05	7.96E-06	1.75E-05	6.49E-05	5.71E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.96E-06	4.11E-07
9588	471142.34	3820358.86	0.000021166	8.89E-05	8.01E-06	1.76E-05	6.53E-05	5.75E-06	2.00E-06	1.14E-05	1.37E-06	1.82E-06	5.99E-06	4.13E-07
9589	471133.44	3820362.41	0.000021277	8.94E-05	8.05E-06	1.77E-05	6.57E-05	5.78E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.02E-06	4.15E-07
9590	471124.55	3820365.97	0.000021393	8.98E-05	8.09E-06	1.78E-05	6.60E-05	5.81E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.06E-06	4.17E-07
9591	471115.65	3820369.52	0.000021503	9.03E-05	8.13E-06	1.79E-05	6.64E-05	5.84E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.09E-06	4.20E-07
9592	471106.76	3820373.07	0.000021609	9.07E-05	8.17E-06	1.80E-05	6.67E-05	5.87E-06	2.04E-06	1.17E-05	1.39E-06	1.86E-06	6.12E-06	4.22E-07
9593	471097.86	3820376.63	0.000021715	9.12E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.15E-06	4.24E-07
9594	471088.97	3820380.18	0.000021821	9.16E-05	8.25E-06	1.82E-05	6.73E-05	5.92E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.18E-06	4.26E-07
9595	471080.07	3820383.74	0.000021922	9.21E-05	8.29E-06	1.83E-05	6.76E-05	5.95E-06	2.07E-06	1.19E-05	1.41E-06	1.88E-06	6.21E-06	4.28E-07
9596	471071.18	3820387.29	0.000022023	9.25E-05	8.33E-06	1.83E-05	6.80E-05	5.98E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.23E-06	4.30E-07
9597	471062.28	3820390.84	0.000022124	9.29E-05	8.37E-06	1.84E-05	6.83E-05	6.01E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.26E-06	4.32E-07
9598	471053.38	3820394.4	0.000022225	9.33E-05	8.41E-06	1.85E-05	6.86E-05	6.03E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.29E-06	4.34E-07
9599	471044.49	3820397.95	0.000022326	9.38E-05	8.44E-06	1.86E-05	6.89E-05	6.06E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.32E-06	4.36E-07
9600	471035.59	3820401.51	0.000022427	9.42E-05	8.48E-06	1.87E-05	6.92E-05	6.09E-06	2.12E-06	1.21E-05	1.45E-06	1.93E-06	6.35E-06	4.38E-07
9601	471026.7	3820405.06	0.000022523	9.46E-05	8.52E-06	1.88E-05	6.95E-05	6.11E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.38E-06	4.39E-07
9602	471017.8	3820408.61	0.000022624	9.50E-05	8.56E-06	1.88E-05	6.98E-05	6.14E-06	2.14E-06	1.22E-05	1.46E-06	1.94E-06	6.40E-06	4.41E-07
9603	471008.91	3820412.17	0.000022725	9.54E-05	8.59E-06	1.89E-05	7.01E-05	6.17E-06	2.15E-06	1.23E-05	1.47E-06	1.95E-06	6.43E-06	4.43E-07
9604	471000.01	3820415.72	0.000022826	9.59E-05	8.63E-06	1.90E-05	7.04E-05	6.20E-06	2.16E-06	1.23E-05	1.47E-06	1.96E-06	6.46E-06	4.45E-07
9605	470991.12	3820419.28	0.000022932	9.63E-05	8.67E-06	1.91E-05	7.08E-05	6.23E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.49E-06	4.47E-07
9606	470964.43	3820429.94	0.000023259	9.77E-05	8.80E-06	1.94E-05	7.18E-05	6.31E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.58E-06	4.54E-07
9607	470955.54	3820433.49	0.000023379	9.82E-05	8.84E-06	1.95E-05	7.21E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.56E-07
9608	470946.64	3820437.05	0.000023495	9.87E-05	8.89E-06	1.96E-05	7.25E-05	6.38E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.65E-06	4.58E-07
9609	470937.75	3820440.6	0.000023615	9.92E-05	8.93E-06	1.97E-05	7.29E-05	6.41E-06	2.23E-06	1.28E-05	1.52E-06	2.03E-06	6.68E-06	4.61E-07
9610	470928.85	3820444.15	0.00002374	9.97E-05	8.98E-06	1.98E-05	7.33E-05	6.44E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.72E-06	4.63E-07
9611	470919.96	3820447.71	0.00002387	1.00E-04	9.03E-06	1.99E-05	7.37E-05	6.48E-06	2.25E-06	1.29E-05	1.54E-06	2.05E-06	6.76E-06	4.66E-07
9612	470911.06	3820451.26	0.000024005	1.01E-04	9.08E-06	2.00E-05	7.41E-05	6.52E-06	2.27E-06	1.30E-05	1.55E-06	2.06E-06	6.79E-06	4.68E-07
9613	470902.17	3820454.82	0.000024149	1.01E-04	9.13E-06	2.01E-05	7.45E-05	6.56E-06	2.28E-06	1.31E-05	1.56E-06	2.07E-06	6.84E-06	4.71E-07
9614	470893.27	3820458.37	0.000024303	1.02E-04	9.19E-06	2.02E-05	7.50E-05	6.60E-06	2.29E-06	1.31E-05	1.57E-06	2.09E-06	6.88E-06	4.74E-07
9615	470822.11	3820486.8	0.000025804	1.08E-04	9.76E-06	2.15E-05	7.96E-05	7.00E-06	2.44E-06	1.39E-05	1.66E-06	2.22E-06	7.30E-06	5.04E-07
9616	470813.21	3820490.36	0.00002603	1.09E-04	9.84E-06	2.17E-05	8.03E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.23E-06	7.37E-06	5.08E-07
9617	470804.32	3820493.91	0.00002627	1.10E-04	9.94E-06	2.19E-05	8.11E-05	7.13E-06	2.48E-06	1.42E-05	1.69E-06	2.26E-06	7.44E-06	5.13E-07
9618	470795.42	3820497.46	0.000026511	1.11E-04	1.00E-05	2.21E-05	8.18E-05	7.20E-06	2.50E-06	1.43E-05	1.71E-06	2.28E-06	7.50E-06	5.17E-07
9619	470786.53	3820501.02	0.000026752	1.12E-04	1.01E-05	2.23E-05	8.25E-05	7.26E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.57E-06	5.22E-07
9620	470777.63	3820504.57	0.000027002	1.13E-04	1.02E-05	2.25E-05	8.33E-05	7.33E-06	2.55E-06	1.46E-05	1.74E-06	2.32E-06	7.64E-06	5.27E-07
9621	470768.74	3820508.13	0.000027257	1.14E-04	1.03E-05	2.27E-05	8.41E-05	7.40E-06	2.57E-06	1.47E-05	1.76E-06	2.34E-06	7.72E-06	5.32E-07
9622	470759.84	3820511.68	0.000027516	1.16E-04	1.04E-05	2.29E-05	8.49E-05	7.47E-06	2.60E-06	1.49E-05	1.77E-06	2.36E-06	7.79E-06	5.37E-07
9623	470750.95	3820515.24	0.000027781	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
9624	470742.05	3820518.79	0.00002805	1.18E-04	1.06E-05	2.34E-05	8.66E-05	7.61E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.94E-06	5.47E-07
9625	470733.16	3820522.34	0.000028334	1.19E-04	1.07E-05	2.36E-05	8.74E-05	7.69E-06	2.68E-06	1.53E-05	1.83E-06	2.43E-06	8.02E-06	5.53E-07
9626	470724.26	3820525.9	0.000028628	1.20E-04	1.08E-05	2.38E-05	8.83E-05	7.77E-06	2.70E-06	1.55E-05	1.85E-06	2.46E-06	8.10E-06	5.59E-07
9627	470715.37	3820529.45	0.000028921	1.21E-04	1.09E-05	2.41E-05	8.92E-05	7.85E-06	2.73E-06	1.56E-05	1.87E-06	2.48E-06	8.19E-06	5.64E-07
9628	470706.47	3820533.01	0.000029224	1.23E-04	1.11E-05	2.43E-05	9.02E-05	7.93E-06	2.76E-06	1.58E-05	1.88E-06	2.51E-06	8.27E-06	5.70E-07
9629	470697.58	3820536.56	0.000029532	1.24E-04	1.12E-05	2.46E-05	9.11E-05	8.02E-06	2.79E-06	1.60E-05	1.90E-06	2.54E-06	8.36E-06	5.76E-07
9630	470688.68	3820540.11	0.000029845	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.93E-06	2.56E-06	8.45E-06	5.82E-07
9631	470679.79	3820543.67	0.000030153	1.27E-04	1.14E-05	2.51E-05	9.30E-05	8.18E-06	2.85E-06	1.63E-05	1.94E-06	2.59E-06	8.54E-06	5.88E-07
9632	470670.89	3820547.22	0.000030441	1.28E-04	1.15E-05	2.54E-05	9.39E-05	8.26E-06	2.87E-06	1.65E-05	1.96E-06	2.61E-06	8.62E-06	5.94E-07

9633	470662	3820550.78	0.00003072	1.29E-04	1.16E-05	2.56E-05	9.48E-05	8.34E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.70E-06	5.99E-07
9634	470653.1	3820554.33	0.000030994	1.30E-04	1.17E-05	2.58E-05	9.56E-05	8.41E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.77E-06	6.05E-07
9635	470644.2	3820557.88	0.000031269	1.31E-04	1.18E-05	2.60E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.68E-06	8.85E-06	6.10E-07
9636	470635.31	3820561.44	0.000031538	1.32E-04	1.19E-05	2.63E-05	9.73E-05	8.56E-06	2.98E-06	1.71E-05	2.03E-06	2.71E-06	8.93E-06	6.15E-07
9637	470626.41	3820564.99	0.000031807	1.34E-04	1.20E-05	2.65E-05	9.82E-05	8.63E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	9.00E-06	6.21E-07
9638	470617.52	3820568.55	0.000032067	1.35E-04	1.21E-05	2.67E-05	9.90E-05	8.71E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.08E-06	6.26E-07
9639	470608.62	3820572.1	0.000032308	1.36E-04	1.22E-05	2.69E-05	9.97E-05	8.77E-06	3.05E-06	1.75E-05	2.08E-06	2.77E-06	9.15E-06	6.30E-07
9640	470599.73	3820575.65	0.000032543	1.37E-04	1.23E-05	2.71E-05	1.00E-04	8.83E-06	3.07E-06	1.76E-05	2.10E-06	2.79E-06	9.21E-06	6.35E-07
9641	470590.83	3820579.21	0.00003276	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.89E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.27E-06	6.39E-07
9642	470581.94	3820582.76	0.000032948	1.38E-04	1.25E-05	2.74E-05	1.02E-04	8.94E-06	3.11E-06	1.78E-05	2.13E-06	2.83E-06	9.33E-06	6.43E-07
9643	470573.04	3820586.32	0.00003313	1.39E-04	1.25E-05	2.76E-05	1.02E-04	8.99E-06	3.13E-06	1.79E-05	2.14E-06	2.84E-06	9.38E-06	6.46E-07
9644	470564.15	3820589.87	0.000033308	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.04E-06	3.15E-06	1.80E-05	2.15E-06	2.86E-06	9.43E-06	6.50E-07
9645	470555.25	3820593.42	0.000033482	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.48E-06	6.53E-07
9646	470546.36	3820596.98	0.00003365	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.13E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.52E-06	6.57E-07
9647	470537.46	3820600.53	0.000033804	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.18E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.57E-06	6.60E-07
9648	470528.57	3820604.09	0.000033943	1.43E-04	1.28E-05	2.83E-05	1.05E-04	9.21E-06	3.21E-06	1.84E-05	2.19E-06	2.91E-06	9.61E-06	6.62E-07
9649	470519.67	3820607.64	0.000034088	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.65E-06	6.65E-07
9650	470510.78	3820611.19	0.000034227	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.29E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.69E-06	6.68E-07
9651	470501.88	3820614.75	0.000034352	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.33E-06	3.24E-06	1.86E-05	2.22E-06	2.95E-06	9.72E-06	6.70E-07
9652	470492.99	3820618.3	0.000034458	1.45E-04	1.30E-05	2.87E-05	1.06E-04	9.35E-06	3.25E-06	1.86E-05	2.22E-06	2.96E-06	9.75E-06	6.72E-07
9653	470484.09	3820621.86	0.000034549	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.38E-06	3.26E-06	1.87E-05	2.23E-06	2.97E-06	9.78E-06	6.74E-07
9654	470475.2	3820625.41	0.000034636	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.40E-06	3.27E-06	1.87E-05	2.23E-06	2.97E-06	9.80E-06	6.76E-07
9655	470466.3	3820628.96	0.000034723	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.43E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.78E-07
9656	470457.41	3820632.52	0.000034828	1.46E-04	1.32E-05	2.90E-05	1.07E-04	9.45E-06	3.29E-06	1.88E-05	2.25E-06	2.99E-06	9.86E-06	6.80E-07
9657	470448.51	3820636.07	0.00003493	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.48E-06	3.30E-06	1.89E-05	2.25E-06	3.00E-06	9.89E-06	6.82E-07
9658	470439.61	3820639.63	0.000035011	1.47E-04	1.32E-05	2.92E-05	1.08E-04	9.50E-06	3.31E-06	1.89E-05	2.26E-06	3.01E-06	9.91E-06	6.83E-07
9659	470430.72	3820643.18	0.000035064	1.47E-04	1.33E-05	2.92E-05	1.08E-04	9.52E-06	3.31E-06	1.90E-05	2.26E-06	3.01E-06	9.93E-06	6.84E-07
9660	470421.82	3820646.74	0.000035117	1.47E-04	1.33E-05	2.93E-05	1.08E-04	9.53E-06	3.32E-06	1.90E-05	2.27E-06	3.01E-06	9.94E-06	6.85E-07
9661	470412.93	3820650.29	0.00003517	1.48E-04	1.33E-05	2.93E-05	1.09E-04	9.55E-06	3.32E-06	1.90E-05	2.27E-06	3.02E-06	9.96E-06	6.86E-07
9662	470404.03	3820653.84	0.000035223	1.48E-04	1.33E-05	2.93E-05	1.09E-04	9.56E-06	3.33E-06	1.90E-05	2.27E-06	3.02E-06	9.97E-06	6.87E-07
9663	470395.14	3820657.4	0.000035276	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.58E-06	3.33E-06	1.91E-05	2.28E-06	3.03E-06	9.99E-06	6.88E-07
9664	470386.24	3820660.95	0.000035329	1.48E-04	1.34E-05	2.94E-05	1.09E-04	9.59E-06	3.34E-06	1.91E-05	2.28E-06	3.03E-06	1.00E-05	6.89E-07
9665	470377.35	3820664.51	0.000035382	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.60E-06	3.34E-06	1.91E-05	2.28E-06	3.04E-06	1.00E-05	6.90E-07
9666	470368.45	3820668.06	0.000035444	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.62E-06	3.35E-06	1.92E-05	2.29E-06	3.04E-06	1.00E-05	6.92E-07
9667	470359.56	3820671.61	0.000035507	1.49E-04	1.34E-05	2.96E-05	1.10E-04	9.64E-06	3.35E-06	1.92E-05	2.29E-06	3.05E-06	1.01E-05	6.93E-07
9668	470350.66	3820675.17	0.000035574	1.49E-04	1.35E-05	2.96E-05	1.10E-04	9.66E-06	3.36E-06	1.92E-05	2.29E-06	3.05E-06	1.01E-05	6.94E-07
9669	470341.77	3820678.72	0.000035651	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.68E-06	3.37E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.96E-07
9670	470332.87	3820682.28	0.000035738	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.70E-06	3.37E-06	1.93E-05	2.31E-06	3.07E-06	1.01E-05	6.97E-07
9671	470323.98	3820685.83	0.000035834	1.50E-04	1.36E-05	2.98E-05	1.11E-04	9.73E-06	3.38E-06	1.94E-05	2.31E-06	3.08E-06	1.01E-05	6.99E-07
9672	470315.08	3820689.38	0.00003593	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.75E-06	3.39E-06	1.94E-05	2.32E-06	3.08E-06	1.02E-05	7.01E-07
9673	470306.19	3820692.94	0.000036031	1.51E-04	1.36E-05	3.00E-05	1.11E-04	9.78E-06	3.40E-06	1.95E-05	2.32E-06	3.09E-06	1.02E-05	7.03E-07
9674	470297.29	3820696.49	0.000036137	1.52E-04	1.37E-05	3.01E-05	1.12E-04	9.81E-06	3.41E-06	1.95E-05	2.33E-06	3.10E-06	1.02E-05	7.05E-07
9675	470288.4	3820700.05	0.000036243	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.84E-06	3.42E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.07E-07
9676	470279.5	3820703.6	0.000036363	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.87E-06	3.43E-06	1.97E-05	2.35E-06	3.12E-06	1.03E-05	7.10E-07
9677	470270.61	3820707.15	0.000036483	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.90E-06	3.45E-06	1.97E-05	2.35E-06	3.13E-06	1.03E-05	7.12E-07
9678	471539.2	3819461.63	0.000018925	7.95E-05	7.16E-06	1.58E-05	5.84E-05	5.14E-06	1.79E-06	1.02E-05	1.22E-06	1.62E-06	5.36E-06	3.69E-07
9679	471539.29	3819451.99	0.000018872	7.93E-05	7.14E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9680	471539.37	3819442.34	0.000018819	7.90E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.62E-06	5.33E-06	3.67E-07
9681	471539.45	3819432.69	0.000018761	7.88E-05	7.10E-06	1.56E-05	5.79E-05	5.09E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
9682	471539.53	3819423.04	0.000018694	7.85E-05	7.07E-06	1.56E-05	5.77E-05	5.07E-06	1.77E-06	1.01E-05	1.21E-06	1.60E-06	5.29E-06	3.65E-07
9683	471539.62	3819413.39	0.000018622	7.82E-05	7.04E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.27E-06	3.63E-07
9684	471539.7	3819403.74	0.000018545	7.79E-05	7.01E-06	1.54E-05	5.72E-05	5.03E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.25E-06	3.62E-07
9685	471539.78	3819394.1	0.000018458	7.75E-05	6.98E-06	1.54E-05	5.70E-05	5.01E-06	1.74E-06	9.98E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
9686	471539.87	3819384.45	0.000018372	7.72E-05	6.95E-06	1.53E-05	5.67E-05	4.99E-06	1.73E-06	9.93E-06	1.18E-06	1.58E-06	5.20E-06	3.58E-07
9687	471539.95	3819374.8	0.000018271	7.67E-05	6.91E-06	1.52E-05	5.64E-05	4.96E-06	1.73E-06	9.88E-06	1.18E-06	1.57E-06	5.17E-06	3.57E-07
9688	471540.03	3819365.15	0.000018169	7.63E-05	6.87E-06	1.51E-05	5.61E-05	4.93E-06	1.72E-06	9.82E-06	1.17E-06	1.56E-06	5.14E-06	3.55E-07
9689	471540.11	3819355.5	0.000018059	7.58E-05	6.83E-06	1.50E-05	5.57E-05	4.90E-06	1.71E-06	9.76E-06	1.16E-06	1.55E-06	5.11E-06	3.52E-07
9690	471540.2	3819345.86	0.000017943	7.54E-05	6.79E-06	1.49E-05	5.54E-05	4.87E-06	1.69E-06	9.70E-06	1.16E-06	1.54E-06	5.08E-06	3.50E-07
9691	471540.28	3819336.21	0.000017823	7.48E-05	6.74E-06	1.48E-05	5.50E-05	4.84E-06	1.68E-06	9.64E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
9692	471540.36	3819326.56	0.000017693	7.43E-05	6.69E-06	1.47E-05	5.46E-05	4.80E-06	1.67E-06	9.56E-06	1.14E-06	1.52E-06	5.01E-06	3.45E-07
9693	471540.44	3819316.91	0.000017559	7.37E-05	6.64E-06	1.46E-05	5.42E-05	4.77E-06	1.66E-06	9.49E-06	1.13E-06	1.51E-06	4.97E-06	3.43E-07
9694	471540.53	3819307.26	0.000017419	7.32E-05	6.59E-06	1.45E-05	5.38E-05	4.73E-06	1.64E-06	9.42E-06	1.12E-06	1.50E-06	4.93E-06	3.40E-07
9695	471540.61	3819297.61	0.00001727	7.25E-05	6.53E-06	1.44E-05	5.33E-05	4.69E-06	1.63E-06	9.34E-06	1.11E-06	1.48E-06	4.89E-06	3.37E-07
9696	471540.69	3819287.97	0.000017116	7.19E-05	6.47E-06	1.43E-05	5.28E-05	4.65E-06	1.62E-06	9.25E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
9697	471540.78	3819278.32	0.000016962	7.12E-05	6.41E-06	1.41E-05	5.23E-05	4.60E-06	1.60E-06	9.17E-06	1.09E-06	1.46E-06	4.80E-06	3.31E-07
9698	471540.86	3819268.67	0.000016798	7.05E-05	6.35E-06	1.40E-05	5.18E-05	4.56E-06	1.59E-06	9.08E-06	1.08E-06	1.44E-06	4.76E-06	3.28E-07
9699	471540.94	3819259.02	0.00001663	6.98E-05	6.29E-06	1.39E-05	5.13E-05	4.51E-06	1.57E-06	8.99E-06	1.07E-06	1.43E-06	4.71E-06	3.24E-07
9700	471615.43	3819471.17	0.000016919	7.11E-05	6.40E-06	1.41E-05	5.22E-05	4.59E-06	1.60E-06	9.15E-06	1.09E-06	1.45E-06	4.79E-06	3.30E-07
9701	471611.67	3819480.01	0.000017044	7.16E-05	6.45E-06	1.42E-05	5.26E-05	4.63E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.33E-07
9702	471607.9	3819488.86	0.000017164	7.21E-05	6.49E-06	1.43E-05	5.30E-05	4.66E-06	1.62E-06	9.28E-06	1.11E-06	1.47E-06	4.86E-06	3.35E-07
9703	471604.13	3819497.71	0.000017284	7.26E-05	6.54E-06	1.44E-05	5.33E-05	4.69E-06	1.63E-06	9.34E-06	1.11E-06	1.48E-06	4.89E-06	3.37E-07
9704	471600.36	3819506.55	0.000017405	7.31E-05	6.58E-06	1.45E-05	5.37E-05	4.72E-06	1.64E-06	9.41E-06	1.12E-06	1.49E-06	4.93E-06	3.40E-07
9705	471596.59	3819515.4	0.000017515	7.36E-05	6.62E-06	1.46E-05	5.40E-05	4.75E-06	1.65E-06	9.47E-06	1.13E-06	1.50E-06	4.96E-06	3.42E-07

9706	471592.83	3819524.25	0.000017631	7.40E-05	6.67E-06	1.47E-05	5.44E-05	4.79E-06	1.66E-06	9.53E-06	1.14E-06	1.51E-06	4.99E-06	3.44E-07
9707	471589.06	3819533.1	0.000017741	7.45E-05	6.71E-06	1.48E-05	5.47E-05	4.82E-06	1.68E-06	9.59E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
9708	471577.76	3819559.64	0.000018068	7.59E-05	6.83E-06	1.50E-05	5.58E-05	4.90E-06	1.71E-06	9.77E-06	1.17E-06	1.55E-06	5.11E-06	3.53E-07
9709	471573.99	3819568.48	0.000018174	7.63E-05	6.87E-06	1.51E-05	5.61E-05	4.93E-06	1.72E-06	9.83E-06	1.17E-06	1.56E-06	5.14E-06	3.55E-07
9710	471570.22	3819577.33	0.00001828	7.68E-05	6.91E-06	1.52E-05	5.64E-05	4.96E-06	1.73E-06	9.88E-06	1.18E-06	1.57E-06	5.17E-06	3.57E-07
9711	471566.45	3819586.18	0.000018386	7.72E-05	6.95E-06	1.53E-05	5.67E-05	4.99E-06	1.74E-06	9.94E-06	1.19E-06	1.58E-06	5.20E-06	3.59E-07
9712	471562.69	3819595.02	0.000018487	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.02E-06	1.75E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.61E-07
9713	471558.92	3819603.87	0.000018593	7.81E-05	7.03E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.26E-06	3.63E-07
9714	471555.15	3819612.72	0.000018689	7.85E-05	7.07E-06	1.56E-05	5.77E-05	5.07E-06	1.76E-06	1.01E-05	1.21E-06	1.60E-06	5.29E-06	3.65E-07
9715	471551.38	3819621.57	0.00001879	7.89E-05	7.11E-06	1.57E-05	5.80E-05	5.10E-06	1.77E-06	1.02E-05	1.21E-06	1.61E-06	5.32E-06	3.67E-07
9716	471547.61	3819630.41	0.000018891	7.93E-05	7.14E-06	1.57E-05	5.83E-05	5.13E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.35E-06	3.69E-07
9717	471543.85	3819639.26	0.000018987	7.97E-05	7.18E-06	1.58E-05	5.86E-05	5.15E-06	1.79E-06	1.03E-05	1.22E-06	1.63E-06	5.37E-06	3.70E-07
9718	471540.08	3819648.11	0.000019084	8.01E-05	7.22E-06	1.59E-05	5.89E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
9719	471536.31	3819656.95	0.00001918	8.05E-05	7.25E-06	1.60E-05	5.92E-05	5.21E-06	1.81E-06	1.04E-05	1.24E-06	1.65E-06	5.43E-06	3.74E-07
9720	471532.54	3819665.8	0.000019276	8.10E-05	7.29E-06	1.61E-05	5.95E-05	5.23E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.46E-06	3.76E-07
9721	471528.78	3819674.65	0.000019372	8.14E-05	7.33E-06	1.61E-05	5.98E-05	5.26E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.48E-06	3.78E-07
9722	471525.01	3819683.49	0.000019464	8.17E-05	7.36E-06	1.62E-05	6.01E-05	5.28E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.51E-06	3.80E-07
9723	471521.24	3819692.34	0.000019555	8.21E-05	7.40E-06	1.63E-05	6.03E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.54E-06	3.82E-07
9724	471517.47	3819701.19	0.000019646	8.25E-05	7.43E-06	1.64E-05	6.06E-05	5.33E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.83E-07
9725	471513.7	3819710.04	0.000019738	8.29E-05	7.46E-06	1.64E-05	6.09E-05	5.36E-06	1.86E-06	1.07E-05	1.27E-06	1.69E-06	5.59E-06	3.85E-07
9726	471509.94	3819718.88	0.000019824	8.33E-05	7.50E-06	1.65E-05	6.12E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.61E-06	3.87E-07
9727	471494.87	3819754.27	0.000020151	8.46E-05	7.62E-06	1.68E-05	6.22E-05	5.47E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.70E-06	3.93E-07
9728	471491.1	3819763.12	0.000020228	8.50E-05	7.65E-06	1.68E-05	6.24E-05	5.49E-06	1.91E-06	1.09E-05	1.30E-06	1.74E-06	5.73E-06	3.95E-07
9729	471487.33	3819771.96	0.000020301	8.53E-05	7.68E-06	1.69E-05	6.26E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.75E-06	3.96E-07
9730	471483.56	3819780.81	0.000020373	8.56E-05	7.70E-06	1.70E-05	6.29E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.77E-06	3.98E-07
9731	471479.8	3819789.66	0.00002044	8.58E-05	7.73E-06	1.70E-05	6.31E-05	5.55E-06	1.93E-06	1.10E-05	1.32E-06	1.75E-06	5.79E-06	3.99E-07
9732	471476.03	3819798.51	0.000020503	8.61E-05	7.75E-06	1.71E-05	6.33E-05	5.57E-06	1.94E-06	1.11E-05	1.32E-06	1.76E-06	5.80E-06	4.00E-07
9733	471472.26	3819807.35	0.00002056	8.63E-05	7.78E-06	1.71E-05	6.34E-05	5.58E-06	1.94E-06	1.11E-05	1.33E-06	1.77E-06	5.82E-06	4.01E-07
9734	471468.49	3819816.2	0.000020618	8.66E-05	7.80E-06	1.72E-05	6.36E-05	5.60E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.84E-06	4.02E-07
9735	471464.72	3819825.05	0.000020671	8.68E-05	7.82E-06	1.72E-05	6.38E-05	5.61E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.85E-06	4.03E-07
9736	471460.96	3819833.89	0.000020714	8.70E-05	7.83E-06	1.73E-05	6.39E-05	5.62E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.86E-06	4.04E-07
9737	471457.19	3819842.74	0.000020758	8.72E-05	7.85E-06	1.73E-05	6.41E-05	5.63E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.88E-06	4.05E-07
9738	471453.42	3819851.59	0.000020796	8.73E-05	7.86E-06	1.73E-05	6.42E-05	5.65E-06	1.96E-06	1.12E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
9739	471449.65	3819860.44	0.00002083	8.75E-05	7.88E-06	1.74E-05	6.43E-05	5.65E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.90E-06	4.06E-07
9740	471445.89	3819869.28	0.000020863	8.76E-05	7.89E-06	1.74E-05	6.44E-05	5.66E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.07E-07
9741	471442.12	3819878.13	0.000020887	8.77E-05	7.90E-06	1.74E-05	6.45E-05	5.67E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.08E-07
9742	471438.35	3819886.98	0.000020907	8.78E-05	7.91E-06	1.74E-05	6.45E-05	5.68E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.92E-06	4.08E-07
9743	471434.58	3819895.82	0.000020926	8.79E-05	7.91E-06	1.74E-05	6.46E-05	5.68E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.92E-06	4.08E-07
9744	471430.82	3819904.67	0.000020936	8.79E-05	7.92E-06	1.74E-05	6.46E-05	5.68E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
9745	471427.05	3819913.52	0.000020945	8.80E-05	7.92E-06	1.74E-05	6.46E-05	5.69E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
9746	471423.28	3819922.36	0.00002095	8.80E-05	7.92E-06	1.75E-05	6.46E-05	5.69E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
9747	471419.51	3819931.21	0.00002095	8.80E-05	7.92E-06	1.75E-05	6.46E-05	5.69E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
9748	471415.74	3819940.06	0.000020945	8.80E-05	7.92E-06	1.74E-05	6.46E-05	5.69E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
9749	471411.98	3819948.91	0.000020936	8.79E-05	7.92E-06	1.74E-05	6.46E-05	5.68E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
9750	471408.21	3819957.75	0.000020926	8.79E-05	7.91E-06	1.74E-05	6.46E-05	5.68E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.92E-06	4.08E-07
9751	471404.44	3819966.6	0.000020912	8.78E-05	7.91E-06	1.74E-05	6.45E-05	5.68E-06	1.97E-06	1.13E-05	1.35E-06	1.80E-06	5.92E-06	4.08E-07
9752	471400.67	3819975.45	0.000020892	8.77E-05	7.90E-06	1.74E-05	6.45E-05	5.67E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.08E-07
9753	471396.91	3819984.29	0.000020873	8.77E-05	7.89E-06	1.74E-05	6.44E-05	5.67E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.07E-07
9754	471393.14	3819993.14	0.000020849	8.76E-05	7.88E-06	1.74E-05	6.43E-05	5.66E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.90E-06	4.07E-07
9755	471389.37	3820001.99	0.000020825	8.75E-05	7.88E-06	1.73E-05	6.43E-05	5.65E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
9756	471385.6	3820010.83	0.000020796	8.73E-05	7.86E-06	1.73E-05	6.42E-05	5.65E-06	1.96E-06	1.12E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
9757	471381.84	3820019.68	0.000020767	8.72E-05	7.85E-06	1.73E-05	6.41E-05	5.64E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.88E-06	4.05E-07
9758	471378.07	3820028.53	0.000020738	8.71E-05	7.84E-06	1.73E-05	6.40E-05	5.63E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.87E-06	4.05E-07
9759	471374.3	3820037.38	0.000020705	8.70E-05	7.83E-06	1.72E-05	6.39E-05	5.62E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.86E-06	4.04E-07
9760	471370.53	3820046.22	0.000020671	8.68E-05	7.82E-06	1.72E-05	6.38E-05	5.61E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.85E-06	4.03E-07
9761	471366.76	3820055.07	0.000020637	8.67E-05	7.80E-06	1.72E-05	6.37E-05	5.60E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.84E-06	4.03E-07
9762	471363	3820063.92	0.000020599	8.65E-05	7.79E-06	1.72E-05	6.36E-05	5.59E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.83E-06	4.02E-07
9763	471359.23	3820072.76	0.000020565	8.64E-05	7.78E-06	1.71E-05	6.35E-05	5.58E-06	1.94E-06	1.11E-05	1.33E-06	1.77E-06	5.82E-06	4.01E-07
9764	471355.46	3820081.61	0.000020527	8.62E-05	7.76E-06	1.71E-05	6.33E-05	5.57E-06	1.94E-06	1.11E-05	1.32E-06	1.76E-06	5.81E-06	4.01E-07
9765	471351.69	3820090.46	0.000020493	8.61E-05	7.75E-06	1.71E-05	6.32E-05	5.56E-06	1.94E-06	1.11E-05	1.32E-06	1.76E-06	5.80E-06	4.00E-07
9766	471347.93	3820099.3	0.000020459	8.59E-05	7.74E-06	1.70E-05	6.31E-05	5.55E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.79E-06	3.99E-07
9767	471344.16	3820108.15	0.000020421	8.58E-05	7.72E-06	1.70E-05	6.30E-05	5.54E-06	1.93E-06	1.10E-05	1.32E-06	1.75E-06	5.78E-06	3.98E-07
9768	471340.39	3820117	0.000020387	8.56E-05	7.71E-06	1.70E-05	6.29E-05	5.53E-06	1.93E-06	1.10E-05	1.31E-06	1.75E-06	5.77E-06	3.98E-07
9769	471336.62	3820125.85	0.000020353	8.55E-05	7.70E-06	1.70E-05	6.28E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.76E-06	3.97E-07
9770	471332.86	3820134.69	0.000020315	8.53E-05	7.68E-06	1.69E-05	6.27E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.75E-06	3.96E-07
9771	471329.09	3820143.54	0.000020277	8.52E-05	7.67E-06	1.69E-05	6.26E-05	5.50E-06	1.91E-06	1.10E-05	1.31E-06	1.74E-06	5.74E-06	3.96E-07
9772	471325.32	3820152.39	0.000020238	8.50E-05	7.65E-06	1.69E-05	6.25E-05	5.49E-06	1.91E-06	1.09E-05	1.31E-06	1.74E-06	5.73E-06	3.95E-07
9773	471321.55	3820161.23	0.000020204	8.48E-05	7.64E-06	1.68E-05	6.23E-05	5.48E-06	1.91E-06	1.09E-05	1.30E-06	1.73E-06	5.72E-06	3.94E-07
9774	471317.78	3820170.08	0.000020171	8.47E-05	7.63E-06	1.68E-05	6.22E-05	5.48E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.71E-06	3.94E-07
9775	471314.02	3820178.93	0.000020137	8.46E-05	7.62E-06	1.68E-05	6.21E-05	5.47E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.70E-06	3.93E-07
9776	471310.25	3820187.77	0.000020103	8.44E-05	7.60E-06	1.67E-05	6.20E-05	5.46E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.69E-06	3.92E-07
9777	471306.48	3820196.62	0.000020065	8.43E-05	7.59E-06	1.67E-05	6.19E-05	5.45E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.68E-06	3.92E-07
9778	471302.71	3820205.47	0.000020031	8.41E-05	7.58E-06	1.67E-05	6.18E-05	5.44E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.67E-06	3.91E-07

9779	471298.95	3820214.32	0.000019998	8.40E-05	7.56E-06	1.67E-05	6.17E-05	5.43E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.66E-06	3.90E-07
9780	471295.18	3820223.16	0.000019964	8.38E-05	7.55E-06	1.66E-05	6.16E-05	5.42E-06	1.89E-06	1.08E-05	1.29E-06	1.71E-06	5.65E-06	3.90E-07
9781	471291.41	3820232.01	0.000019925	8.37E-05	7.54E-06	1.66E-05	6.15E-05	5.41E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.64E-06	3.89E-07
9782	471287.64	3820240.86	0.000019887	8.35E-05	7.52E-06	1.66E-05	6.14E-05	5.40E-06	1.88E-06	1.08E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
9783	471283.87	3820249.7	0.000019848	8.34E-05	7.51E-06	1.65E-05	6.12E-05	5.39E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.62E-06	3.87E-07
9784	471280.11	3820258.55	0.000019805	8.32E-05	7.49E-06	1.65E-05	6.11E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.61E-06	3.86E-07
9785	471276.34	3820267.4	0.000019762	8.30E-05	7.47E-06	1.65E-05	6.10E-05	5.36E-06	1.87E-06	1.07E-05	1.27E-06	1.70E-06	5.59E-06	3.86E-07
9786	471272.57	3820276.24	0.000019718	8.28E-05	7.46E-06	1.64E-05	6.08E-05	5.35E-06	1.86E-06	1.07E-05	1.27E-06	1.69E-06	5.58E-06	3.85E-07
9787	471268.8	3820285.09	0.00001968	8.26E-05	7.44E-06	1.64E-05	6.07E-05	5.34E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.57E-06	3.84E-07
9788	471265.04	3820293.94	0.000019632	8.24E-05	7.42E-06	1.64E-05	6.06E-05	5.33E-06	1.85E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.83E-07
9789	471261.27	3820302.79	0.000019584	8.22E-05	7.41E-06	1.63E-05	6.04E-05	5.32E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.54E-06	3.82E-07
9790	471257.5	3820311.63	0.000019536	8.20E-05	7.39E-06	1.63E-05	6.03E-05	5.30E-06	1.84E-06	1.06E-05	1.26E-06	1.68E-06	5.53E-06	3.81E-07
9791	471253.73	3820320.48	0.000019488	8.18E-05	7.37E-06	1.62E-05	6.01E-05	5.29E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.52E-06	3.80E-07
9792	471249.97	3820329.33	0.000019435	8.16E-05	7.35E-06	1.62E-05	6.00E-05	5.28E-06	1.84E-06	1.05E-05	1.25E-06	1.67E-06	5.50E-06	3.79E-07
9793	471246.2	3820338.17	0.000019382	8.14E-05	7.33E-06	1.61E-05	5.98E-05	5.26E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.49E-06	3.78E-07
9794	471242.43	3820347.02	0.000019324	8.12E-05	7.31E-06	1.61E-05	5.96E-05	5.25E-06	1.82E-06	1.04E-05	1.25E-06	1.66E-06	5.47E-06	3.77E-07
9795	471238.66	3820355.87	0.000019266	8.09E-05	7.29E-06	1.60E-05	5.95E-05	5.23E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.45E-06	3.76E-07
9796	471234.89	3820364.72	0.000019209	8.07E-05	7.26E-06	1.60E-05	5.93E-05	5.21E-06	1.81E-06	1.04E-05	1.24E-06	1.65E-06	5.44E-06	3.75E-07
9797	471231.13	3820373.56	0.000019146	8.04E-05	7.24E-06	1.59E-05	5.91E-05	5.20E-06	1.81E-06	1.04E-05	1.23E-06	1.64E-06	5.42E-06	3.74E-07
9798	471227.36	3820382.41	0.000019079	8.01E-05	7.22E-06	1.59E-05	5.89E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
9799	471223.59	3820391.26	0.000019016	7.99E-05	7.19E-06	1.58E-05	5.87E-05	5.16E-06	1.80E-06	1.03E-05	1.23E-06	1.63E-06	5.38E-06	3.71E-07
9800	471219.82	3820400.1	0.000018949	7.96E-05	7.17E-06	1.58E-05	5.85E-05	5.14E-06	1.79E-06	1.02E-05	1.22E-06	1.63E-06	5.36E-06	3.70E-07
9801	471207.13	3820412.52	0.000018978	7.97E-05	7.18E-06	1.58E-05	5.86E-05	5.15E-06	1.79E-06	1.03E-05	1.22E-06	1.63E-06	5.37E-06	3.70E-07
9802	471198.2	3820416.09	0.000019079	8.01E-05	7.22E-06	1.59E-05	5.89E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
9803	471189.27	3820419.65	0.00001918	8.05E-05	7.25E-06	1.60E-05	5.92E-05	5.21E-06	1.81E-06	1.04E-05	1.24E-06	1.65E-06	5.43E-06	3.74E-07
9804	471180.34	3820423.22	0.000019276	8.10E-05	7.29E-06	1.61E-05	5.95E-05	5.23E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.46E-06	3.76E-07
9805	471171.41	3820426.79	0.000019372	8.14E-05	7.33E-06	1.61E-05	5.98E-05	5.26E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.48E-06	3.78E-07
9806	471162.48	3820430.36	0.000019464	8.17E-05	7.36E-06	1.62E-05	6.01E-05	5.28E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.51E-06	3.80E-07
9807	471153.55	3820433.92	0.000019555	8.21E-05	7.40E-06	1.63E-05	6.03E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.54E-06	3.82E-07
9808	471144.62	3820437.49	0.000019646	8.25E-05	7.43E-06	1.64E-05	6.06E-05	5.33E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.83E-07
9809	471135.69	3820441.06	0.000019738	8.29E-05	7.46E-06	1.64E-05	6.09E-05	5.36E-06	1.86E-06	1.07E-05	1.27E-06	1.69E-06	5.59E-06	3.85E-07
9810	471126.76	3820444.63	0.000019824	8.33E-05	7.50E-06	1.65E-05	6.12E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.61E-06	3.87E-07
9811	471117.83	3820448.2	0.000019911	8.36E-05	7.53E-06	1.66E-05	6.14E-05	5.41E-06	1.88E-06	1.08E-05	1.28E-06	1.71E-06	5.64E-06	3.89E-07
9812	471108.9	3820451.76	0.000019993	8.40E-05	7.56E-06	1.67E-05	6.17E-05	5.43E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.66E-06	3.90E-07
9813	471099.97	3820455.33	0.000020079	8.43E-05	7.59E-06	1.67E-05	6.20E-05	5.45E-06	1.90E-06	1.09E-05	1.30E-06	1.72E-06	5.68E-06	3.92E-07
9814	471091.04	3820458.9	0.000020161	8.47E-05	7.62E-06	1.68E-05	6.22E-05	5.47E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.71E-06	3.93E-07
9815	471082.11	3820462.47	0.000020243	8.50E-05	7.66E-06	1.69E-05	6.25E-05	5.50E-06	1.91E-06	1.09E-05	1.31E-06	1.74E-06	5.73E-06	3.95E-07
9816	471073.18	3820466.03	0.00002032	8.53E-05	7.68E-06	1.69E-05	6.27E-05	5.52E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.75E-06	3.96E-07
9817	471064.25	3820469.6	0.000020402	8.57E-05	7.72E-06	1.70E-05	6.30E-05	5.54E-06	1.93E-06	1.10E-05	1.32E-06	1.75E-06	5.77E-06	3.98E-07
9818	471055.32	3820473.17	0.000020483	8.60E-05	7.75E-06	1.71E-05	6.32E-05	5.56E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.80E-06	4.00E-07
9819	471046.4	3820476.74	0.00002057	8.64E-05	7.78E-06	1.71E-05	6.35E-05	5.58E-06	1.94E-06	1.11E-05	1.33E-06	1.77E-06	5.82E-06	4.01E-07
9820	471037.47	3820480.31	0.000020652	8.67E-05	7.81E-06	1.72E-05	6.37E-05	5.61E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.85E-06	4.03E-07
9821	471028.54	3820483.87	0.000020738	8.71E-05	7.84E-06	1.73E-05	6.40E-05	5.63E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.87E-06	4.05E-07
9822	471019.61	3820487.44	0.000020825	8.75E-05	7.88E-06	1.73E-05	6.43E-05	5.65E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
9823	471010.68	3820491.01	0.000020921	8.79E-05	7.91E-06	1.74E-05	6.46E-05	5.68E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.92E-06	4.08E-07
9824	470974.96	3820505.28	0.000021325	8.96E-05	8.07E-06	1.78E-05	6.58E-05	5.79E-06	2.01E-06	1.15E-05	1.38E-06	1.83E-06	6.04E-06	4.16E-07
9825	470966.03	3820508.85	0.000021436	9.00E-05	8.11E-06	1.79E-05	6.61E-05	5.82E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.07E-06	4.18E-07
9826	470957.1	3820512.42	0.000021556	9.05E-05	8.15E-06	1.80E-05	6.65E-05	5.85E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.10E-06	4.21E-07
9827	470948.17	3820515.98	0.000021676	9.10E-05	8.20E-06	1.81E-05	6.69E-05	5.88E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.23E-07
9828	470939.24	3820519.55	0.000021806	9.16E-05	8.25E-06	1.82E-05	6.73E-05	5.92E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.17E-06	4.25E-07
9829	470930.31	3820523.12	0.000021941	9.21E-05	8.30E-06	1.83E-05	6.77E-05	5.96E-06	2.07E-06	1.19E-05	1.42E-06	1.88E-06	6.21E-06	4.28E-07
9830	470921.38	3820526.69	0.00002208	9.27E-05	8.35E-06	1.84E-05	6.81E-05	5.99E-06	2.09E-06	1.19E-05	1.42E-06	1.90E-06	6.25E-06	4.31E-07
9831	470849.95	3820555.23	0.000023452	9.85E-05	8.87E-06	1.95E-05	7.24E-05	6.37E-06	2.21E-06	1.27E-05	1.51E-06	2.01E-06	6.64E-06	4.58E-07
9832	470841.02	3820558.8	0.000023649	9.93E-05	8.94E-06	1.97E-05	7.30E-05	6.42E-06	2.23E-06	1.28E-05	1.53E-06	2.03E-06	6.69E-06	4.61E-07
9833	470832.09	3820562.36	0.00002386	1.00E-04	9.02E-06	1.99E-05	7.36E-05	6.48E-06	2.25E-06	1.29E-05	1.54E-06	2.05E-06	6.75E-06	4.66E-07
9834	470823.16	3820565.93	0.000024082	1.01E-04	9.11E-06	2.01E-05	7.43E-05	6.54E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.82E-06	4.70E-07
9835	470814.23	3820569.5	0.000024303	1.02E-04	9.19E-06	2.02E-05	7.50E-05	6.60E-06	2.29E-06	1.31E-05	1.57E-06	2.09E-06	6.88E-06	4.74E-07
9836	470805.3	3820573.07	0.000024524	1.03E-04	9.27E-06	2.04E-05	7.57E-05	6.66E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.94E-06	4.79E-07
9837	470796.37	3820576.63	0.000024755	1.04E-04	9.36E-06	2.06E-05	7.64E-05	6.72E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.01E-06	4.83E-07
9838	470787.44	3820580.2	0.000024991	1.05E-04	9.45E-06	2.08E-05	7.71E-05	6.78E-06	2.36E-06	1.35E-05	1.61E-06	2.15E-06	7.07E-06	4.88E-07
9839	470778.51	3820583.77	0.000025227	1.06E-04	9.54E-06	2.10E-05	7.78E-05	6.85E-06	2.38E-06	1.36E-05	1.63E-06	2.17E-06	7.14E-06	4.92E-07
9840	470769.58	3820587.34	0.000025462	1.07E-04	9.63E-06	2.12E-05	7.86E-05	6.91E-06	2.40E-06	1.38E-05	1.64E-06	2.19E-06	7.21E-06	4.97E-07
9841	470760.65	3820590.91	0.000025698	1.08E-04	9.72E-06	2.14E-05	7.93E-05	6.98E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.27E-06	5.01E-07
9842	470751.72	3820594.47	0.000025934	1.09E-04	9.81E-06	2.16E-05	8.00E-05	7.04E-06	2.45E-06	1.40E-05	1.67E-06	2.23E-06	7.34E-06	5.06E-07
9843	470742.79	3820598.04	0.000026165	1.10E-04	9.90E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
9844	470733.86	3820601.61	0.00002641	1.11E-04	9.99E-06	2.20E-05	8.15E-05	7.17E-06	2.49E-06	1.43E-05	1.70E-06	2.27E-06	7.48E-06	5.15E-07
9845	470724.93	3820605.18	0.000026665	1.12E-04	1.01E-05	2.22E-05	8.23E-05	7.24E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.55E-06	5.20E-07
9846	470716	3820608.74	0.00002692	1.13E-04	1.02E-05	2.24E-05	8.31E-05	7.31E-06	2.54E-06	1.46E-05	1.74E-06	2.31E-06	7.62E-06	5.25E-07
9847	470707.07	3820612.31	0.000027184	1.14E-04	1.03E-05	2.26E-05	8.39E-05	7.38E-06	2.57E-06	1.47E-05	1.75E-06	2.33E-06	7.69E-06	5.30E-07
9848	470698.14	3820615.88	0.000027444	1.15E-04	1.04E-05	2.29E-05	8.47E-05	7.45E-06	2.59E-06	1.48E-05	1.77E-06	2.36E-06	7.77E-06	5.36E-07
9849	470689.21	3820619.45	0.000027704	1.16E-04	1.05E-05	2.31E-05	8.55E-05	7.52E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.84E-06	5.41E-07
9850	470680.28	3820623.02	0.000027954	1.17E-04	1.06E-05	2.33E-05	8.63E-05	7.59E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.91E-06	5.45E-07
9851	470671.36	3820626.58	0.00002819	1.18E-04	1.07E-05	2.35E-05	8.70E-05	7.65E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07

9852	470662.43	3820630.15	0.000028421	1.19E-04	1.07E-05	2.37E-05	8.77E-05	7.71E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.04E-06	5.55E-07
9853	470653.5	3820633.72	0.000028642	1.20E-04	1.08E-05	2.39E-05	8.84E-05	7.78E-06	2.70E-06	1.55E-05	1.85E-06	2.46E-06	8.11E-06	5.59E-07
9854	470644.57	3820637.29	0.000028859	1.21E-04	1.09E-05	2.40E-05	8.91E-05	7.83E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.17E-06	5.63E-07
9855	470635.64	3820640.85	0.00002907	1.22E-04	1.10E-05	2.42E-05	8.97E-05	7.89E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.23E-06	5.67E-07
9856	470626.71	3820644.42	0.000029277	1.23E-04	1.11E-05	2.44E-05	9.03E-05	7.95E-06	2.76E-06	1.58E-05	1.89E-06	2.51E-06	8.29E-06	5.71E-07
9857	470617.78	3820647.99	0.000029479	1.24E-04	1.11E-05	2.46E-05	9.10E-05	8.00E-06	2.78E-06	1.59E-05	1.90E-06	2.53E-06	8.34E-06	5.75E-07
9858	470608.85	3820651.56	0.000029667	1.25E-04	1.12E-05	2.47E-05	9.15E-05	8.05E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.40E-06	5.79E-07
9859	470599.92	3820655.13	0.000029845	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.93E-06	2.56E-06	8.45E-06	5.82E-07
9860	470590.99	3820658.69	0.000030013	1.26E-04	1.14E-05	2.50E-05	9.26E-05	8.15E-06	2.83E-06	1.62E-05	1.94E-06	2.58E-06	8.50E-06	5.86E-07
9861	470582.06	3820662.26	0.000030181	1.27E-04	1.14E-05	2.51E-05	9.31E-05	8.19E-06	2.85E-06	1.63E-05	1.95E-06	2.59E-06	8.54E-06	5.89E-07
9862	470573.13	3820665.83	0.00003035	1.27E-04	1.15E-05	2.53E-05	9.37E-05	8.24E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.59E-06	5.92E-07
9863	470564.2	3820669.4	0.000030518	1.28E-04	1.15E-05	2.54E-05	9.42E-05	8.28E-06	2.88E-06	1.65E-05	1.97E-06	2.62E-06	8.64E-06	5.96E-07
9864	470555.27	3820672.96	0.000030677	1.29E-04	1.16E-05	2.56E-05	9.47E-05	8.33E-06	2.90E-06	1.66E-05	1.98E-06	2.63E-06	8.68E-06	5.99E-07
9865	470546.34	3820676.53	0.000030821	1.29E-04	1.17E-05	2.57E-05	9.51E-05	8.37E-06	2.91E-06	1.67E-05	1.99E-06	2.65E-06	8.72E-06	6.01E-07
9866	470537.41	3820680.1	0.000030951	1.30E-04	1.17E-05	2.58E-05	9.55E-05	8.40E-06	2.92E-06	1.67E-05	2.00E-06	2.66E-06	8.76E-06	6.04E-07
9867	470528.48	3820683.67	0.000031062	1.30E-04	1.17E-05	2.59E-05	9.59E-05	8.43E-06	2.93E-06	1.68E-05	2.00E-06	2.67E-06	8.79E-06	6.06E-07
9868	470519.55	3820687.24	0.000031153	1.31E-04	1.18E-05	2.59E-05	9.61E-05	8.46E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.82E-06	6.08E-07
9869	470510.62	3820690.8	0.00003123	1.31E-04	1.18E-05	2.60E-05	9.64E-05	8.48E-06	2.95E-06	1.69E-05	2.01E-06	2.68E-06	8.84E-06	6.09E-07
9870	470501.69	3820694.37	0.000031302	1.31E-04	1.18E-05	2.61E-05	9.66E-05	8.50E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.86E-06	6.11E-07
9871	470492.76	3820697.94	0.000031355	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.51E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
9872	470483.84	3820701.51	0.000031399	1.32E-04	1.19E-05	2.62E-05	9.69E-05	8.52E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.89E-06	6.13E-07
9873	470474.91	3820705.07	0.000031432	1.32E-04	1.19E-05	2.62E-05	9.70E-05	8.53E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.90E-06	6.13E-07
9874	470465.98	3820708.64	0.000031471	1.32E-04	1.19E-05	2.62E-05	9.71E-05	8.54E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.91E-06	6.14E-07
9875	470457.05	3820712.21	0.000031519	1.32E-04	1.19E-05	2.63E-05	9.73E-05	8.56E-06	2.98E-06	1.70E-05	2.03E-06	2.71E-06	8.92E-06	6.15E-07
9876	470448.12	3820715.78	0.000031572	1.33E-04	1.19E-05	2.63E-05	9.74E-05	8.57E-06	2.98E-06	1.71E-05	2.04E-06	2.71E-06	8.94E-06	6.16E-07
9877	470439.19	3820719.35	0.000031625	1.33E-04	1.20E-05	2.63E-05	9.76E-05	8.58E-06	2.99E-06	1.71E-05	2.04E-06	2.71E-06	8.95E-06	6.17E-07
9878	470430.26	3820722.91	0.000031668	1.33E-04	1.20E-05	2.64E-05	9.77E-05	8.60E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.96E-06	6.18E-07
9879	470421.33	3820726.48	0.000031711	1.33E-04	1.20E-05	2.64E-05	9.79E-05	8.61E-06	2.99E-06	1.71E-05	2.05E-06	2.72E-06	8.98E-06	6.19E-07
9880	470412.4	3820730.05	0.000031755	1.33E-04	1.20E-05	2.65E-05	9.80E-05	8.62E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	8.99E-06	6.20E-07
9881	470403.47	3820733.62	0.000031803	1.34E-04	1.20E-05	2.65E-05	9.81E-05	8.63E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	9.00E-06	6.21E-07
9882	470394.54	3820737.18	0.000031851	1.34E-04	1.20E-05	2.65E-05	9.83E-05	8.65E-06	3.01E-06	1.72E-05	2.05E-06	2.73E-06	9.02E-06	6.22E-07
9883	470385.61	3820740.75	0.000031899	1.34E-04	1.21E-05	2.66E-05	9.84E-05	8.66E-06	3.01E-06	1.72E-05	2.06E-06	2.74E-06	9.03E-06	6.22E-07
9884	470376.68	3820744.32	0.000031952	1.34E-04	1.21E-05	2.66E-05	9.86E-05	8.67E-06	3.02E-06	1.73E-05	2.06E-06	2.74E-06	9.04E-06	6.23E-07
9885	470367.75	3820747.89	0.000032024	1.34E-04	1.21E-05	2.67E-05	9.88E-05	8.69E-06	3.02E-06	1.73E-05	2.07E-06	2.75E-06	9.07E-06	6.25E-07
9886	470358.82	3820751.45	0.000032096	1.35E-04	1.21E-05	2.67E-05	9.90E-05	8.71E-06	3.03E-06	1.74E-05	2.07E-06	2.76E-06	9.09E-06	6.26E-07
9887	470349.89	3820755.02	0.000032178	1.35E-04	1.22E-05	2.68E-05	9.93E-05	8.73E-06	3.04E-06	1.74E-05	2.08E-06	2.76E-06	9.11E-06	6.28E-07
9888	470340.96	3820758.59	0.000032264	1.36E-04	1.22E-05	2.69E-05	9.96E-05	8.76E-06	3.05E-06	1.74E-05	2.08E-06	2.77E-06	9.13E-06	6.30E-07
9889	470332.03	3820762.16	0.000032351	1.36E-04	1.22E-05	2.69E-05	9.98E-05	8.78E-06	3.05E-06	1.75E-05	2.09E-06	2.78E-06	9.16E-06	6.31E-07
9890	470323.1	3820765.73	0.000032447	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.81E-06	3.06E-06	1.75E-05	2.09E-06	2.79E-06	9.18E-06	6.33E-07
9891	470314.17	3820769.29	0.000032534	1.37E-04	1.23E-05	2.71E-05	1.00E-04	8.83E-06	3.07E-06	1.76E-05	2.10E-06	2.79E-06	9.21E-06	6.35E-07
9892	470305.24	3820772.86	0.00003263	1.37E-04	1.23E-05	2.72E-05	1.01E-04	8.86E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.24E-06	6.37E-07
9893	470296.32	3820776.43	0.000032726	1.37E-04	1.24E-05	2.73E-05	1.01E-04	8.88E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.26E-06	6.39E-07
9894	470287.39	3820780	0.000032827	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.91E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.41E-07
9895	470278.46	3820783.56	0.000032943	1.38E-04	1.25E-05	2.74E-05	1.02E-04	8.94E-06	3.11E-06	1.78E-05	2.12E-06	2.83E-06	9.32E-06	6.43E-07
9896	470269.53	3820787.13	0.000033063	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.98E-06	3.12E-06	1.79E-05	2.13E-06	2.84E-06	9.36E-06	6.45E-07
9897	471619.2	3819462.32	0.000016794	7.05E-05	6.35E-06	1.40E-05	5.18E-05	4.56E-06	1.59E-06	9.08E-06	1.08E-06	1.44E-06	4.75E-06	3.28E-07
9898	471619.28	3819452.67	0.00001675	7.03E-05	6.33E-06	1.40E-05	5.17E-05	4.55E-06	1.58E-06	9.06E-06	1.08E-06	1.44E-06	4.74E-06	3.27E-07
9899	471619.37	3819443.02	0.000016702	7.01E-05	6.32E-06	1.39E-05	5.15E-05	4.53E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
9900	471619.45	3819433.37	0.000016654	6.99E-05	6.30E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.00E-06	1.07E-06	1.43E-06	4.71E-06	3.25E-07
9901	471619.53	3819423.73	0.000016596	6.97E-05	6.28E-06	1.38E-05	5.12E-05	4.51E-06	1.57E-06	8.97E-06	1.07E-06	1.42E-06	4.70E-06	3.24E-07
9902	471619.61	3819414.08	0.000016534	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.49E-06	1.56E-06	8.94E-06	1.07E-06	1.42E-06	4.68E-06	3.23E-07
9903	471619.7	3819404.43	0.000016471	6.92E-05	6.23E-06	1.37E-05	5.08E-05	4.47E-06	1.56E-06	8.90E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
9904	471619.78	3819394.78	0.000016399	6.89E-05	6.20E-06	1.37E-05	5.06E-05	4.45E-06	1.55E-06	8.87E-06	1.06E-06	1.41E-06	4.64E-06	3.20E-07
9905	471619.86	3819385.13	0.000016322	6.85E-05	6.17E-06	1.36E-05	5.04E-05	4.43E-06	1.54E-06	8.82E-06	1.05E-06	1.40E-06	4.62E-06	3.18E-07
9906	471619.95	3819375.49	0.00001624	6.82E-05	6.14E-06	1.35E-05	5.01E-05	4.41E-06	1.53E-06	8.78E-06	1.05E-06	1.39E-06	4.60E-06	3.17E-07
9907	471620.03	3819365.84	0.000016154	6.78E-05	6.11E-06	1.35E-05	4.98E-05	4.39E-06	1.53E-06	8.73E-06	1.04E-06	1.39E-06	4.57E-06	3.15E-07
9908	471620.11	3819356.19	0.000016062	6.75E-05	6.07E-06	1.34E-05	4.96E-05	4.36E-06	1.52E-06	8.68E-06	1.04E-06	1.38E-06	4.55E-06	3.13E-07
9909	471620.19	3819346.54	0.000015966	6.71E-05	6.04E-06	1.33E-05	4.93E-05	4.33E-06	1.51E-06	8.63E-06	1.03E-06	1.37E-06	4.52E-06	3.12E-07
9910	471620.28	3819336.89	0.00001586	6.66E-05	6.00E-06	1.32E-05	4.89E-05	4.31E-06	1.50E-06	8.57E-06	1.02E-06	1.36E-06	4.49E-06	3.09E-07
9911	471620.36	3819327.24	0.00001575	6.61E-05	5.96E-06	1.31E-05	4.86E-05	4.28E-06	1.49E-06	8.51E-06	1.02E-06	1.35E-06	4.46E-06	3.07E-07
9912	471620.44	3819317.6	0.000015634	6.57E-05	5.91E-06	1.30E-05	4.82E-05	4.24E-06	1.48E-06	8.45E-06	1.01E-06	1.34E-06	4.43E-06	3.05E-07
9913	471620.52	3819307.95	0.000015519	6.52E-05	5.87E-06	1.29E-05	4.79E-05	4.21E-06	1.47E-06	8.39E-06	1.00E-06	1.33E-06	4.39E-06	3.03E-07
9914	471620.61	3819298.3	0.000015394	6.46E-05	5.82E-06	1.28E-05	4.75E-05	4.18E-06	1.45E-06	8.32E-06	9.93E-07	1.32E-06	4.36E-06	3.00E-07
9915	471620.69	3819288.65	0.000015269	6.41E-05	5.77E-06	1.27E-05	4.71E-05	4.14E-06	1.44E-06	8.25E-06	9.85E-07	1.31E-06	4.32E-06	2.98E-07
9916	471620.77	3819279	0.000015134	6.36E-05	5.72E-06	1.26E-05	4.67E-05	4.11E-06	1.43E-06	8.18E-06	9.76E-07	1.30E-06	4.28E-06	2.95E-07
9917	471620.86	3819269.36	0.000014999	6.30E-05	5.67E-06	1.25E-05	4.63E-05	4.07E-06	1.42E-06	8.11E-06	9.67E-07	1.29E-06	4.25E-06	2.93E-07
9918	471620.94	3819259.71	0.000014855	6.24E-05	5.62E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.03E-06	9.58E-07	1.28E-06	4.20E-06	2.90E-07
9919	471695.45	3819471.8	0.000015115	6.35E-05	5.72E-06	1.26E-05	4.66E-05	4.10E-06	1.43E-06	8.17E-06	9.75E-07	1.30E-06	4.28E-06	2.95E-07
9920	471691.7	3819480.6	0.000015216	6.39E-05	5.75E-06	1.27E-05	4.70E-05	4.13E-06	1.44E-06	8.23E-06	9.81E-07	1.31E-06	4.31E-06	2.97E-07
9921	471687.96	3819489.4	0.000015322	6.43E-05	5.79E-06	1.28E-05	4.73E-05	4.16E-06	1.45E-06	8.28E-06	9.88E-07	1.32E-06	4.34E-06	2.99E-07
9922	471684.21	3819498.2	0.000015423	6.48E-05	5.83E-06	1.28E-05	4.76E-05	4.19E-06	1.46E-06	8.34E-06	9.95E-07	1.32E-06	4.37E-06	3.01E-07
9923	471680.46	3819507	0.000015524	6.52E-05	5.87E-06	1.29E-05	4.79E-05	4.21E-06	1.47E-06	8.39E-06	1.00E-06	1.33E-06	4.39E-06	3.03E-07
9924	471676.71	3819515.8	0.00001562	6.56E-05	5.91E-06	1.30E-05	4.82E-05	4.24E-06	1.48E-06	8.44E-06	1.01E-06	1.34E-06	4.42E-06	3.05E-07

9925	471672.97	3819524.6	0.000015716	6.60E-05	5.94E-06	1.31E-05	4.85E-05	4.27E-06	1.48E-06	8.50E-06	1.01E-06	1.35E-06	4.45E-06	3.07E-07
9926	471669.22	3819533.4	0.000015812	6.64E-05	5.98E-06	1.32E-05	4.88E-05	4.29E-06	1.49E-06	8.55E-06	1.02E-06	1.36E-06	4.48E-06	3.09E-07
9927	471665.47	3819542.2	0.000015909	6.68E-05	6.02E-06	1.33E-05	4.91E-05	4.32E-06	1.50E-06	8.60E-06	1.03E-06	1.37E-06	4.50E-06	3.10E-07
9928	471661.72	3819551	0.000016	6.72E-05	6.05E-06	1.33E-05	4.94E-05	4.34E-06	1.51E-06	8.65E-06	1.03E-06	1.37E-06	4.53E-06	3.12E-07
9929	471657.98	3819559.8	0.000016091	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
9930	471654.23	3819568.6	0.000016178	6.79E-05	6.12E-06	1.35E-05	4.99E-05	4.39E-06	1.53E-06	8.75E-06	1.04E-06	1.39E-06	4.58E-06	3.16E-07
9931	471650.48	3819577.4	0.000016269	6.83E-05	6.15E-06	1.36E-05	5.02E-05	4.42E-06	1.54E-06	8.80E-06	1.05E-06	1.40E-06	4.61E-06	3.17E-07
9932	471646.73	3819586.2	0.000016356	6.87E-05	6.19E-06	1.36E-05	5.05E-05	4.44E-06	1.54E-06	8.84E-06	1.05E-06	1.40E-06	4.63E-06	3.19E-07
9933	471642.99	3819595	0.000016447	6.91E-05	6.22E-06	1.37E-05	5.08E-05	4.46E-06	1.55E-06	8.89E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
9934	471635.49	3819612.6	0.00001662	6.98E-05	6.29E-06	1.38E-05	5.13E-05	4.51E-06	1.57E-06	8.99E-06	1.07E-06	1.43E-06	4.70E-06	3.24E-07
9935	471631.74	3819621.4	0.000016707	7.02E-05	6.32E-06	1.39E-05	5.16E-05	4.54E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
9936	471628	3819630.2	0.000016789	7.05E-05	6.35E-06	1.40E-05	5.18E-05	4.56E-06	1.59E-06	9.08E-06	1.08E-06	1.44E-06	4.75E-06	3.28E-07
9937	471624.25	3819639	0.000016875	7.09E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
9938	471620.5	3819647.8	0.000016957	7.12E-05	6.41E-06	1.41E-05	5.23E-05	4.60E-06	1.60E-06	9.17E-06	1.09E-06	1.46E-06	4.80E-06	3.31E-07
9939	471616.75	3819656.59	0.000017044	7.16E-05	6.45E-06	1.42E-05	5.26E-05	4.63E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.33E-07
9940	471613.01	3819665.39	0.000017126	7.19E-05	6.48E-06	1.43E-05	5.28E-05	4.65E-06	1.62E-06	9.26E-06	1.10E-06	1.47E-06	4.85E-06	3.34E-07
9941	471609.26	3819674.19	0.000017207	7.23E-05	6.51E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.30E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
9942	471605.51	3819682.99	0.000017289	7.26E-05	6.54E-06	1.44E-05	5.34E-05	4.69E-06	1.63E-06	9.35E-06	1.12E-06	1.48E-06	4.89E-06	3.37E-07
9943	471601.76	3819691.79	0.000017371	7.30E-05	6.57E-06	1.45E-05	5.36E-05	4.72E-06	1.64E-06	9.39E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
9944	471598.02	3819700.59	0.000017448	7.33E-05	6.60E-06	1.45E-05	5.38E-05	4.74E-06	1.65E-06	9.43E-06	1.13E-06	1.50E-06	4.94E-06	3.40E-07
9945	471594.27	3819709.39	0.00001753	7.36E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.66E-06	9.48E-06	1.13E-06	1.50E-06	4.96E-06	3.42E-07
9946	471590.52	3819718.19	0.000017607	7.39E-05	6.66E-06	1.47E-05	5.43E-05	4.78E-06	1.66E-06	9.52E-06	1.14E-06	1.51E-06	4.98E-06	3.44E-07
9947	471586.77	3819726.99	0.000017688	7.43E-05	6.69E-06	1.47E-05	5.46E-05	4.80E-06	1.67E-06	9.56E-06	1.14E-06	1.52E-06	5.01E-06	3.45E-07
9948	471583.03	3819735.79	0.000017765	7.46E-05	6.72E-06	1.48E-05	5.48E-05	4.82E-06	1.68E-06	9.60E-06	1.15E-06	1.53E-06	5.03E-06	3.47E-07
9949	471579.28	3819744.59	0.000017838	7.49E-05	6.75E-06	1.49E-05	5.50E-05	4.84E-06	1.68E-06	9.64E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
9950	471575.53	3819753.39	0.000017915	7.52E-05	6.78E-06	1.49E-05	5.53E-05	4.86E-06	1.69E-06	9.68E-06	1.16E-06	1.54E-06	5.07E-06	3.50E-07
9951	471571.78	3819762.19	0.000017987	7.55E-05	6.80E-06	1.50E-05	5.55E-05	4.88E-06	1.70E-06	9.72E-06	1.16E-06	1.54E-06	5.09E-06	3.51E-07
9952	471568.04	3819770.99	0.000018059	7.58E-05	6.83E-06	1.50E-05	5.57E-05	4.90E-06	1.71E-06	9.76E-06	1.16E-06	1.55E-06	5.11E-06	3.52E-07
9953	471564.29	3819779.79	0.000018126	7.61E-05	6.86E-06	1.51E-05	5.59E-05	4.92E-06	1.71E-06	9.80E-06	1.17E-06	1.56E-06	5.13E-06	3.54E-07
9954	471549.3	3819814.99	0.000018381	7.72E-05	6.95E-06	1.53E-05	5.67E-05	4.99E-06	1.74E-06	9.94E-06	1.19E-06	1.58E-06	5.20E-06	3.59E-07
9955	471545.55	3819823.79	0.000018439	7.74E-05	6.97E-06	1.54E-05	5.69E-05	5.01E-06	1.74E-06	9.97E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
9956	471541.8	3819832.59	0.000018492	7.77E-05	6.99E-06	1.54E-05	5.71E-05	5.02E-06	1.75E-06	1.00E-05	1.19E-06	1.59E-06	5.23E-06	3.61E-07
9957	471538.06	3819841.38	0.00001854	7.79E-05	7.01E-06	1.54E-05	5.72E-05	5.03E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.25E-06	3.62E-07
9958	471534.31	3819850.18	0.000018588	7.81E-05	7.03E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.00E-05	1.20E-06	1.60E-06	5.26E-06	3.63E-07
9959	471530.56	3819858.98	0.000018636	7.83E-05	7.05E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.28E-06	3.64E-07
9960	471526.81	3819867.78	0.000018675	7.84E-05	7.06E-06	1.56E-05	5.76E-05	5.07E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.29E-06	3.64E-07
9961	471523.07	3819876.58	0.000018713	7.86E-05	7.08E-06	1.56E-05	5.77E-05	5.08E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.30E-06	3.65E-07
9962	471519.32	3819885.38	0.000018747	7.87E-05	7.09E-06	1.56E-05	5.78E-05	5.09E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
9963	471515.57	3819894.18	0.000018776	7.88E-05	7.10E-06	1.56E-05	5.79E-05	5.10E-06	1.77E-06	1.02E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
9964	471511.82	3819902.98	0.0000188	7.90E-05	7.11E-06	1.57E-05	5.80E-05	5.10E-06	1.78E-06	1.02E-05	1.21E-06	1.61E-06	5.32E-06	3.67E-07
9965	471508.08	3819911.78	0.000018824	7.91E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.62E-06	5.33E-06	3.67E-07
9966	471504.33	3819920.58	0.000018838	7.91E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.33E-06	3.68E-07
9967	471500.58	3819929.38	0.000018853	7.92E-05	7.13E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9968	471496.83	3819938.18	0.000018867	7.92E-05	7.14E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9969	471493.09	3819946.98	0.000018872	7.93E-05	7.14E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9970	471489.34	3819955.78	0.000018877	7.93E-05	7.14E-06	1.57E-05	5.83E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9971	471485.59	3819964.58	0.000018877	7.93E-05	7.14E-06	1.57E-05	5.83E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9972	471481.84	3819973.38	0.000018872	7.93E-05	7.14E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9973	471478.1	3819982.18	0.000018867	7.92E-05	7.14E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9974	471474.35	3819990.98	0.000018857	7.92E-05	7.13E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9975	471470.6	3819999.78	0.000018843	7.91E-05	7.13E-06	1.57E-05	5.81E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.33E-06	3.68E-07
9976	471466.85	3820008.58	0.000018829	7.91E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.62E-06	5.33E-06	3.67E-07
9977	471463.11	3820017.38	0.000018814	7.90E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.62E-06	5.33E-06	3.67E-07
9978	471459.36	3820026.17	0.000018795	7.89E-05	7.11E-06	1.57E-05	5.80E-05	5.10E-06	1.77E-06	1.02E-05	1.21E-06	1.61E-06	5.32E-06	3.67E-07
9979	471455.61	3820034.97	0.000018776	7.88E-05	7.10E-06	1.56E-05	5.79E-05	5.10E-06	1.77E-06	1.02E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
9980	471451.86	3820043.77	0.000018752	7.87E-05	7.09E-06	1.56E-05	5.79E-05	5.09E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
9981	471448.12	3820052.57	0.000018728	7.86E-05	7.08E-06	1.56E-05	5.78E-05	5.08E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.30E-06	3.65E-07
9982	471444.37	3820061.37	0.000018703	7.85E-05	7.07E-06	1.56E-05	5.77E-05	5.08E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.29E-06	3.65E-07
9983	471440.62	3820070.17	0.000018675	7.84E-05	7.06E-06	1.56E-05	5.76E-05	5.07E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.29E-06	3.64E-07
9984	471436.87	3820078.97	0.000018651	7.83E-05	7.05E-06	1.55E-05	5.76E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.28E-06	3.64E-07
9985	471433.13	3820087.77	0.000018622	7.82E-05	7.04E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.27E-06	3.63E-07
9986	471429.38	3820096.57	0.000018593	7.81E-05	7.03E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.26E-06	3.63E-07
9987	471425.63	3820105.37	0.000018564	7.80E-05	7.02E-06	1.55E-05	5.73E-05	5.04E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.25E-06	3.62E-07
9988	471421.88	3820114.17	0.000018535	7.78E-05	7.01E-06	1.54E-05	5.72E-05	5.03E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.25E-06	3.62E-07
9989	471418.14	3820122.97	0.000018501	7.77E-05	7.00E-06	1.54E-05	5.71E-05	5.02E-06	1.75E-06	1.00E-05	1.19E-06	1.59E-06	5.24E-06	3.61E-07
9990	471414.39	3820131.77	0.000018473	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.01E-06	1.74E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.60E-07
9991	471410.64	3820140.57	0.000018444	7.75E-05	6.98E-06	1.54E-05	5.69E-05	5.01E-06	1.74E-06	9.97E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
9992	471406.89	3820149.37	0.000018415	7.73E-05	6.96E-06	1.53E-05	5.68E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
9993	471403.15	3820158.17	0.000018381	7.72E-05	6.95E-06	1.53E-05	5.67E-05	4.99E-06	1.74E-06	9.94E-06	1.19E-06	1.58E-06	5.20E-06	3.59E-07
9994	471399.4	3820166.97	0.000018357	7.71E-05	6.94E-06	1.53E-05	5.66E-05	4.98E-06	1.73E-06	9.92E-06	1.18E-06	1.58E-06	5.20E-06	3.58E-07
9995	471395.65	3820175.77	0.000018328	7.70E-05	6.93E-06	1.53E-05	5.66E-05	4.98E-06	1.73E-06	9.91E-06	1.18E-06	1.57E-06	5.19E-06	3.58E-07
9996	471391.9	3820184.57	0.000018299	7.68E-05	6.92E-06	1.52E-05	5.65E-05	4.97E-06	1.73E-06	9.89E-06	1.18E-06	1.57E-06	5.18E-06	3.57E-07
9997	471388.16	3820193.37	0.000018271	7.67E-05	6.91E-06	1.52E-05	5.64E-05	4.96E-06	1.73E-06	9.88E-06	1.18E-06	1.57E-06	5.17E-06	3.57E-07

9998	471384.41	3820202.17	0.000018242	7.66E-05	6.90E-06	1.52E-05	5.63E-05	4.95E-06	1.72E-06	9.86E-06	1.18E-06	1.57E-06	5.16E-06	3.56E-07
9999	471380.66	3820210.97	0.000018213	7.65E-05	6.89E-06	1.52E-05	5.62E-05	4.94E-06	1.72E-06	9.85E-06	1.17E-06	1.56E-06	5.16E-06	3.55E-07
10000	471376.91	3820219.76	0.000018184	7.64E-05	6.88E-06	1.51E-05	5.61E-05	4.94E-06	1.72E-06	9.83E-06	1.17E-06	1.56E-06	5.15E-06	3.55E-07
10001	471373.17	3820228.56	0.00001816	7.63E-05	6.87E-06	1.51E-05	5.60E-05	4.93E-06	1.71E-06	9.82E-06	1.17E-06	1.56E-06	5.14E-06	3.54E-07
10002	471369.42	3820237.36	0.000018136	7.62E-05	6.86E-06	1.51E-05	5.60E-05	4.92E-06	1.71E-06	9.80E-06	1.17E-06	1.56E-06	5.13E-06	3.54E-07
10003	471365.67	3820246.16	0.000018112	7.61E-05	6.85E-06	1.51E-05	5.59E-05	4.92E-06	1.71E-06	9.79E-06	1.17E-06	1.55E-06	5.13E-06	3.53E-07
10004	471361.92	3820254.96	0.000018083	7.59E-05	6.84E-06	1.51E-05	5.58E-05	4.91E-06	1.71E-06	9.78E-06	1.17E-06	1.55E-06	5.12E-06	3.53E-07
10005	471358.18	3820263.76	0.000018054	7.58E-05	6.83E-06	1.50E-05	5.57E-05	4.90E-06	1.70E-06	9.76E-06	1.16E-06	1.55E-06	5.11E-06	3.52E-07
10006	471354.43	3820272.56	0.00001802	7.57E-05	6.82E-06	1.50E-05	5.56E-05	4.89E-06	1.70E-06	9.74E-06	1.16E-06	1.55E-06	5.10E-06	3.52E-07
10007	471350.68	3820281.36	0.000017996	7.56E-05	6.81E-06	1.50E-05	5.55E-05	4.89E-06	1.70E-06	9.73E-06	1.16E-06	1.54E-06	5.09E-06	3.51E-07
10008	471346.93	3820290.16	0.000017967	7.55E-05	6.80E-06	1.50E-05	5.54E-05	4.88E-06	1.70E-06	9.71E-06	1.16E-06	1.54E-06	5.09E-06	3.51E-07
10009	471343.19	3820298.96	0.000017939	7.53E-05	6.78E-06	1.49E-05	5.54E-05	4.87E-06	1.69E-06	9.70E-06	1.16E-06	1.54E-06	5.08E-06	3.50E-07
10010	471339.44	3820307.76	0.00001791	7.52E-05	6.77E-06	1.49E-05	5.53E-05	4.86E-06	1.69E-06	9.68E-06	1.16E-06	1.54E-06	5.07E-06	3.49E-07
10011	471335.69	3820316.56	0.000017876	7.51E-05	6.76E-06	1.49E-05	5.52E-05	4.85E-06	1.69E-06	9.66E-06	1.15E-06	1.53E-06	5.06E-06	3.49E-07
10012	471331.94	3820325.36	0.000017847	7.50E-05	6.75E-06	1.49E-05	5.51E-05	4.84E-06	1.69E-06	9.65E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
10013	471328.2	3820334.16	0.000017814	7.48E-05	6.74E-06	1.48E-05	5.50E-05	4.84E-06	1.68E-06	9.63E-06	1.15E-06	1.53E-06	5.04E-06	3.48E-07
10014	471324.45	3820342.96	0.00001778	7.47E-05	6.72E-06	1.48E-05	5.49E-05	4.83E-06	1.68E-06	9.61E-06	1.15E-06	1.53E-06	5.03E-06	3.47E-07
10015	471320.7	3820351.76	0.000017741	7.45E-05	6.71E-06	1.48E-05	5.47E-05	4.82E-06	1.68E-06	9.59E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
10016	471316.95	3820360.56	0.000017708	7.44E-05	6.70E-06	1.47E-05	5.46E-05	4.81E-06	1.67E-06	9.57E-06	1.14E-06	1.52E-06	5.01E-06	3.46E-07
10017	471313.21	3820369.36	0.000017669	7.42E-05	6.68E-06	1.47E-05	5.45E-05	4.80E-06	1.67E-06	9.55E-06	1.14E-06	1.52E-06	5.00E-06	3.45E-07
10018	471309.46	3820378.16	0.000017626	7.40E-05	6.67E-06	1.47E-05	5.44E-05	4.78E-06	1.66E-06	9.53E-06	1.14E-06	1.51E-06	4.99E-06	3.44E-07
10019	471305.71	3820386.96	0.000017587	7.39E-05	6.65E-06	1.46E-05	5.43E-05	4.77E-06	1.66E-06	9.51E-06	1.13E-06	1.51E-06	4.98E-06	3.43E-07
10020	471301.96	3820395.76	0.000017539	7.37E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.66E-06	9.48E-06	1.13E-06	1.51E-06	4.96E-06	3.42E-07
10021	471298.22	3820404.55	0.000017491	7.35E-05	6.62E-06	1.46E-05	5.40E-05	4.75E-06	1.65E-06	9.46E-06	1.13E-06	1.50E-06	4.95E-06	3.41E-07
10022	471294.47	3820413.35	0.000017438	7.32E-05	6.60E-06	1.45E-05	5.38E-05	4.73E-06	1.65E-06	9.43E-06	1.12E-06	1.50E-06	4.94E-06	3.40E-07
10023	471290.72	3820422.15	0.000017385	7.30E-05	6.58E-06	1.45E-05	5.36E-05	4.72E-06	1.64E-06	9.40E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
10024	471286.97	3820430.95	0.000017332	7.28E-05	6.56E-06	1.44E-05	5.35E-05	4.71E-06	1.64E-06	9.37E-06	1.12E-06	1.49E-06	4.91E-06	3.38E-07
10025	471283.23	3820439.75	0.00001728	7.26E-05	6.54E-06	1.44E-05	5.33E-05	4.69E-06	1.63E-06	9.34E-06	1.11E-06	1.48E-06	4.89E-06	3.37E-07
10026	471279.48	3820448.55	0.000017227	7.23E-05	6.51E-06	1.43E-05	5.32E-05	4.68E-06	1.63E-06	9.31E-06	1.11E-06	1.48E-06	4.88E-06	3.36E-07
10027	471275.73	3820457.35	0.000017169	7.21E-05	6.49E-06	1.43E-05	5.30E-05	4.66E-06	1.62E-06	9.28E-06	1.11E-06	1.47E-06	4.86E-06	3.35E-07
10028	471263.1	3820469.7	0.000017203	7.22E-05	6.51E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.30E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
10029	471254.22	3820473.25	0.000017289	7.26E-05	6.54E-06	1.44E-05	5.34E-05	4.69E-06	1.63E-06	9.35E-06	1.12E-06	1.48E-06	4.89E-06	3.37E-07
10030	471245.34	3820476.8	0.000017371	7.30E-05	6.57E-06	1.45E-05	5.36E-05	4.72E-06	1.64E-06	9.39E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
10031	471236.46	3820480.35	0.000017458	7.33E-05	6.60E-06	1.45E-05	5.39E-05	4.74E-06	1.65E-06	9.44E-06	1.13E-06	1.50E-06	4.94E-06	3.41E-07
10032	471227.58	3820483.89	0.000017539	7.37E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.66E-06	9.48E-06	1.13E-06	1.51E-06	4.96E-06	3.42E-07
10033	471218.7	3820487.44	0.000017621	7.40E-05	6.66E-06	1.47E-05	5.44E-05	4.78E-06	1.66E-06	9.53E-06	1.14E-06	1.51E-06	4.99E-06	3.44E-07
10034	471209.81	3820490.99	0.000017698	7.43E-05	6.69E-06	1.47E-05	5.46E-05	4.80E-06	1.67E-06	9.57E-06	1.14E-06	1.52E-06	5.01E-06	3.45E-07
10035	471200.93	3820494.54	0.000017775	7.46E-05	6.72E-06	1.48E-05	5.49E-05	4.83E-06	1.68E-06	9.61E-06	1.15E-06	1.53E-06	5.03E-06	3.47E-07
10036	471192.05	3820498.09	0.000017852	7.50E-05	6.75E-06	1.49E-05	5.51E-05	4.85E-06	1.69E-06	9.65E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
10037	471183.17	3820501.64	0.000017929	7.53E-05	6.78E-06	1.49E-05	5.53E-05	4.87E-06	1.69E-06	9.69E-06	1.16E-06	1.54E-06	5.07E-06	3.50E-07
10038	471174.29	3820505.19	0.000018001	7.56E-05	6.81E-06	1.50E-05	5.55E-05	4.89E-06	1.70E-06	9.73E-06	1.16E-06	1.55E-06	5.10E-06	3.51E-07
10039	471165.41	3820508.73	0.000018073	7.59E-05	6.84E-06	1.51E-05	5.58E-05	4.91E-06	1.71E-06	9.77E-06	1.17E-06	1.55E-06	5.12E-06	3.53E-07
10040	471156.52	3820512.28	0.000018145	7.62E-05	6.86E-06	1.51E-05	5.60E-05	4.93E-06	1.71E-06	9.81E-06	1.17E-06	1.56E-06	5.14E-06	3.54E-07
10041	471147.64	3820515.83	0.000018218	7.65E-05	6.89E-06	1.52E-05	5.62E-05	4.95E-06	1.72E-06	9.85E-06	1.18E-06	1.56E-06	5.16E-06	3.55E-07
10042	471138.76	3820519.38	0.00001829	7.68E-05	6.92E-06	1.52E-05	5.64E-05	4.96E-06	1.73E-06	9.89E-06	1.18E-06	1.57E-06	5.18E-06	3.57E-07
10043	471129.88	3820522.93	0.000018357	7.71E-05	6.94E-06	1.53E-05	5.66E-05	4.98E-06	1.73E-06	9.92E-06	1.18E-06	1.58E-06	5.20E-06	3.58E-07
10044	471121	3820526.48	0.000018429	7.74E-05	6.97E-06	1.54E-05	5.69E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
10045	471112.12	3820530.03	0.000018497	7.77E-05	7.00E-06	1.54E-05	5.71E-05	5.02E-06	1.75E-06	1.00E-05	1.19E-06	1.59E-06	5.24E-06	3.61E-07
10046	471049.95	3820554.87	0.000019016	7.99E-05	7.19E-06	1.58E-05	5.87E-05	5.16E-06	1.80E-06	1.03E-05	1.23E-06	1.63E-06	5.38E-06	3.71E-07
10047	471041.06	3820558.42	0.000019103	8.02E-05	7.22E-06	1.59E-05	5.89E-05	5.19E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.41E-06	3.73E-07
10048	471032.18	3820561.96	0.00001918	8.05E-05	7.25E-06	1.60E-05	5.92E-05	5.21E-06	1.81E-06	1.04E-05	1.24E-06	1.65E-06	5.43E-06	3.74E-07
10049	471023.3	3820565.51	0.000019266	8.09E-05	7.29E-06	1.60E-05	5.95E-05	5.23E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.45E-06	3.76E-07
10050	471014.42	3820569.06	0.000019348	8.13E-05	7.32E-06	1.61E-05	5.97E-05	5.25E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.48E-06	3.78E-07
10051	471005.54	3820572.61	0.000019439	8.16E-05	7.35E-06	1.62E-05	6.00E-05	5.28E-06	1.84E-06	1.05E-05	1.25E-06	1.67E-06	5.50E-06	3.79E-07
10052	470996.66	3820576.16	0.000019545	8.21E-05	7.39E-06	1.63E-05	6.03E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.53E-06	3.81E-07
10053	470987.77	3820579.71	0.000019651	8.25E-05	7.43E-06	1.64E-05	6.06E-05	5.33E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.83E-07
10054	470978.89	3820583.26	0.000019767	8.30E-05	7.48E-06	1.65E-05	6.10E-05	5.37E-06	1.87E-06	1.07E-05	1.27E-06	1.70E-06	5.60E-06	3.86E-07
10055	470970.01	3820586.8	0.000019872	8.35E-05	7.52E-06	1.66E-05	6.13E-05	5.39E-06	1.88E-06	1.07E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
10056	470961.13	3820590.35	0.000019993	8.40E-05	7.56E-06	1.67E-05	6.17E-05	5.43E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.66E-06	3.90E-07
10057	470952.25	3820593.9	0.000020113	8.45E-05	7.61E-06	1.68E-05	6.21E-05	5.46E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.69E-06	3.92E-07
10058	470872.31	3820625.84	0.000021522	9.04E-05	8.14E-06	1.79E-05	6.64E-05	5.84E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.09E-06	4.20E-07
10059	470863.43	3820629.39	0.00002171	9.12E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.15E-06	4.24E-07
10060	470854.55	3820632.94	0.000021903	9.20E-05	8.28E-06	1.82E-05	6.76E-05	5.95E-06	2.07E-06	1.18E-05	1.41E-06	1.88E-06	6.20E-06	4.27E-07
10061	470845.67	3820636.48	0.0000221	9.28E-05	8.36E-06	1.84E-05	6.82E-05	6.00E-06	2.09E-06	1.19E-05	1.43E-06	1.90E-06	6.26E-06	4.31E-07
10062	470836.79	3820640.03	0.000022307	9.37E-05	8.44E-06	1.86E-05	6.88E-05	6.06E-06	2.11E-06	1.21E-05	1.44E-06	1.91E-06	6.31E-06	4.35E-07
10063	470827.91	3820643.58	0.000022509	9.45E-05	8.51E-06	1.87E-05	6.95E-05	6.11E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.37E-06	4.39E-07
10064	470819.02	3820647.13	0.000022711	9.54E-05	8.59E-06	1.89E-05	7.01E-05	6.17E-06	2.14E-06	1.23E-05	1.46E-06	1.95E-06	6.43E-06	4.43E-07
10065	470810.14	3820650.68	0.000022913	9.62E-05	8.67E-06	1.91E-05	7.07E-05	6.22E-06	2.16E-06	1.24E-05	1.48E-06	1.97E-06	6.49E-06	4.47E-07
10066	470801.26	3820654.23	0.000023115	9.71E-05	8.74E-06	1.93E-05	7.13E-05	6.27E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.54E-06	4.51E-07
10067	470792.38	3820657.78	0.000023312	9.79E-05	8.82E-06	1.94E-05	7.19E-05	6.33E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.60E-06	4.55E-07
10068	470783.5	3820661.32	0.000023509	9.87E-05	8.89E-06	1.96E-05	7.25E-05	6.38E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.65E-06	4.59E-07
10069	470774.62	3820664.87	0.000023711	9.96E-05	8.97E-06	1.97E-05	7.32E-05	6.44E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.71E-06	4.63E-07
10070	470765.73	3820668.42	0.000023918	1.00E-04	9.05E-06	1.99E-05	7.38E-05	6.49E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.77E-06	4.67E-07

10071	470756.85	3820671.97	0.000024135	1.01E-04	9.13E-06	2.01E-05	7.45E-05	6.55E-06	2.28E-06	1.30E-05	1.56E-06	2.07E-06	6.83E-06	4.71E-07
10072	470747.97	3820675.52	0.000024351	1.02E-04	9.21E-06	2.03E-05	7.51E-05	6.61E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.89E-06	4.75E-07
10073	470739.09	3820679.07	0.000024563	1.03E-04	9.29E-06	2.05E-05	7.58E-05	6.67E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.95E-06	4.79E-07
10074	470730.21	3820682.62	0.000024779	1.04E-04	9.37E-06	2.06E-05	7.65E-05	6.73E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.01E-06	4.84E-07
10075	470721.33	3820686.16	0.000024991	1.05E-04	9.45E-06	2.08E-05	7.71E-05	6.78E-06	2.36E-06	1.35E-05	1.61E-06	2.15E-06	7.07E-06	4.88E-07
10076	470712.44	3820689.71	0.000025193	1.06E-04	9.53E-06	2.10E-05	7.77E-05	6.84E-06	2.38E-06	1.36E-05	1.62E-06	2.16E-06	7.13E-06	4.92E-07
10077	470703.56	3820693.26	0.000025409	1.07E-04	9.61E-06	2.12E-05	7.84E-05	6.90E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.19E-06	4.96E-07
10078	470694.68	3820696.81	0.000025631	1.08E-04	9.69E-06	2.13E-05	7.91E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.26E-06	5.00E-07
10079	470685.8	3820700.36	0.000025847	1.09E-04	9.78E-06	2.15E-05	7.98E-05	7.02E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.32E-06	5.04E-07
10080	470676.92	3820703.91	0.000026049	1.09E-04	9.85E-06	2.17E-05	8.04E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.37E-06	5.08E-07
10081	470668.04	3820707.46	0.000026242	1.10E-04	9.92E-06	2.19E-05	8.10E-05	7.12E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.43E-06	5.12E-07
10082	470659.16	3820711.01	0.000026434	1.11E-04	1.00E-05	2.20E-05	8.16E-05	7.18E-06	2.50E-06	1.43E-05	1.71E-06	2.27E-06	7.48E-06	5.16E-07
10083	470650.27	3820714.55	0.000026622	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.51E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.19E-07
10084	470641.39	3820718.1	0.000026795	1.13E-04	1.01E-05	2.23E-05	8.27E-05	7.27E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.58E-06	5.23E-07
10085	470632.51	3820721.65	0.000026958	1.13E-04	1.02E-05	2.25E-05	8.32E-05	7.32E-06	2.55E-06	1.46E-05	1.74E-06	2.31E-06	7.63E-06	5.26E-07
10086	470623.63	3820725.2	0.000027112	1.14E-04	1.03E-05	2.26E-05	8.37E-05	7.36E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.67E-06	5.29E-07
10087	470614.75	3820728.75	0.000027281	1.15E-04	1.03E-05	2.27E-05	8.42E-05	7.41E-06	2.58E-06	1.47E-05	1.76E-06	2.34E-06	7.72E-06	5.32E-07
10088	470605.87	3820732.3	0.000027459	1.15E-04	1.04E-05	2.29E-05	8.47E-05	7.45E-06	2.59E-06	1.48E-05	1.77E-06	2.36E-06	7.77E-06	5.36E-07
10089	470596.98	3820735.85	0.000027622	1.16E-04	1.04E-05	2.30E-05	8.52E-05	7.50E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.82E-06	5.39E-07
10090	470588.1	3820739.39	0.000027767	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
10091	470579.22	3820742.94	0.000027892	1.17E-04	1.05E-05	2.32E-05	8.61E-05	7.57E-06	2.63E-06	1.51E-05	1.80E-06	2.39E-06	7.89E-06	5.44E-07
10092	470570.34	3820746.49	0.000028007	1.18E-04	1.06E-05	2.33E-05	8.64E-05	7.60E-06	2.64E-06	1.51E-05	1.81E-06	2.40E-06	7.93E-06	5.46E-07
10093	470561.46	3820750.04	0.000028108	1.18E-04	1.06E-05	2.34E-05	8.67E-05	7.63E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.96E-06	5.48E-07
10094	470552.58	3820753.59	0.000028175	1.18E-04	1.07E-05	2.35E-05	8.69E-05	7.65E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
10095	470543.69	3820757.14	0.000028228	1.19E-04	1.07E-05	2.35E-05	8.71E-05	7.66E-06	2.67E-06	1.53E-05	1.82E-06	2.42E-06	7.99E-06	5.51E-07
10096	470534.81	3820760.69	0.000028281	1.19E-04	1.07E-05	2.36E-05	8.73E-05	7.68E-06	2.67E-06	1.53E-05	1.82E-06	2.43E-06	8.01E-06	5.52E-07
10097	470525.93	3820764.23	0.000028334	1.19E-04	1.07E-05	2.36E-05	8.74E-05	7.69E-06	2.68E-06	1.53E-05	1.83E-06	2.43E-06	8.02E-06	5.53E-07
10098	470517.05	3820767.78	0.000028387	1.19E-04	1.07E-05	2.36E-05	8.76E-05	7.71E-06	2.68E-06	1.53E-05	1.83E-06	2.44E-06	8.04E-06	5.54E-07
10099	470508.17	3820771.33	0.00002843	1.19E-04	1.08E-05	2.37E-05	8.77E-05	7.72E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
10100	470499.29	3820774.88	0.000028474	1.20E-04	1.08E-05	2.37E-05	8.79E-05	7.73E-06	2.69E-06	1.54E-05	1.84E-06	2.44E-06	8.06E-06	5.56E-07
10101	470490.4	3820778.43	0.000028522	1.20E-04	1.08E-05	2.38E-05	8.80E-05	7.74E-06	2.69E-06	1.54E-05	1.84E-06	2.45E-06	8.07E-06	5.57E-07
10102	470481.52	3820781.98	0.00002857	1.20E-04	1.08E-05	2.38E-05	8.82E-05	7.76E-06	2.70E-06	1.54E-05	1.84E-06	2.45E-06	8.09E-06	5.57E-07
10103	470472.64	3820785.53	0.000028613	1.20E-04	1.08E-05	2.38E-05	8.83E-05	7.77E-06	2.70E-06	1.55E-05	1.85E-06	2.46E-06	8.10E-06	5.58E-07
10104	470463.76	3820789.07	0.000028652	1.20E-04	1.08E-05	2.39E-05	8.84E-05	7.78E-06	2.71E-06	1.55E-05	1.85E-06	2.46E-06	8.11E-06	5.59E-07
10105	470454.88	3820792.62	0.00002869	1.20E-04	1.09E-05	2.39E-05	8.85E-05	7.79E-06	2.71E-06	1.55E-05	1.85E-06	2.46E-06	8.12E-06	5.60E-07
10106	470446	3820796.17	0.000028729	1.21E-04	1.09E-05	2.39E-05	8.87E-05	7.80E-06	2.71E-06	1.55E-05	1.85E-06	2.47E-06	8.13E-06	5.61E-07
10107	470437.12	3820799.72	0.000028767	1.21E-04	1.09E-05	2.40E-05	8.88E-05	7.81E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.14E-06	5.61E-07
10108	470428.23	3820803.27	0.00002882	1.21E-04	1.09E-05	2.40E-05	8.89E-05	7.82E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.16E-06	5.62E-07
10109	470419.35	3820806.82	0.000028868	1.21E-04	1.09E-05	2.40E-05	8.91E-05	7.84E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.17E-06	5.63E-07
10110	470410.47	3820810.37	0.000028921	1.21E-04	1.09E-05	2.41E-05	8.92E-05	7.85E-06	2.73E-06	1.56E-05	1.87E-06	2.48E-06	8.19E-06	5.64E-07
10111	470401.59	3820813.91	0.000028964	1.22E-04	1.10E-05	2.41E-05	8.94E-05	7.86E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.20E-06	5.65E-07
10112	470392.71	3820817.46	0.000029008	1.22E-04	1.10E-05	2.42E-05	8.95E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.21E-06	5.66E-07
10113	470383.83	3820821.01	0.000029056	1.22E-04	1.10E-05	2.42E-05	8.97E-05	7.89E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.22E-06	5.67E-07
10114	470374.94	3820824.56	0.000029104	1.22E-04	1.10E-05	2.42E-05	8.98E-05	7.90E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.24E-06	5.68E-07
10115	470366.06	3820828.11	0.000029162	1.22E-04	1.10E-05	2.43E-05	9.00E-05	7.92E-06	2.75E-06	1.58E-05	1.88E-06	2.50E-06	8.25E-06	5.69E-07
10116	470295.01	3820856.5	0.000029821	1.25E-04	1.13E-05	2.48E-05	9.20E-05	8.10E-06	2.82E-06	1.61E-05	1.92E-06	2.56E-06	8.44E-06	5.82E-07
10117	470286.13	3820860.05	0.000029922	1.26E-04	1.13E-05	2.49E-05	9.23E-05	8.12E-06	2.83E-06	1.62E-05	1.93E-06	2.57E-06	8.47E-06	5.84E-07
10118	470277.25	3820863.6	0.000030023	1.26E-04	1.14E-05	2.50E-05	9.26E-05	8.15E-06	2.84E-06	1.62E-05	1.94E-06	2.58E-06	8.50E-06	5.86E-07
10119	470268.36	3820867.14	0.000030138	1.27E-04	1.14E-05	2.51E-05	9.30E-05	8.18E-06	2.85E-06	1.63E-05	1.94E-06	2.59E-06	8.53E-06	5.88E-07
10120	471699.2	3819463.01	0.000015004	6.30E-05	5.67E-06	1.25E-05	4.63E-05	4.07E-06	1.42E-06	8.11E-06	9.68E-07	1.29E-06	4.25E-06	2.93E-07
10121	471699.28	3819453.36	0.00001497	6.29E-05	5.66E-06	1.25E-05	4.62E-05	4.06E-06	1.41E-06	8.09E-06	9.66E-07	1.29E-06	4.24E-06	2.92E-07
10122	471699.36	3819443.71	0.000014927	6.27E-05	5.65E-06	1.24E-05	4.61E-05	4.05E-06	1.41E-06	8.07E-06	9.63E-07	1.28E-06	4.23E-06	2.91E-07
10123	471699.45	3819434.06	0.000014884	6.25E-05	5.63E-06	1.24E-05	4.59E-05	4.04E-06	1.41E-06	8.05E-06	9.60E-07	1.28E-06	4.21E-06	2.90E-07
10124	471699.53	3819424.41	0.000014831	6.23E-05	5.61E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.02E-06	9.57E-07	1.27E-06	4.20E-06	2.89E-07
10125	471699.61	3819414.76	0.000014778	6.21E-05	5.59E-06	1.23E-05	4.56E-05	4.01E-06	1.40E-06	7.99E-06	9.53E-07	1.27E-06	4.18E-06	2.88E-07
10126	471699.69	3819405.12	0.00001472	6.18E-05	5.57E-06	1.23E-05	4.54E-05	4.00E-06	1.39E-06	7.96E-06	9.49E-07	1.26E-06	4.17E-06	2.87E-07
10127	471699.78	3819395.47	0.000014658	6.16E-05	5.54E-06	1.22E-05	4.52E-05	3.98E-06	1.38E-06	7.92E-06	9.45E-07	1.26E-06	4.15E-06	2.86E-07
10128	471699.86	3819385.82	0.000014595	6.13E-05	5.52E-06	1.22E-05	4.50E-05	3.96E-06	1.38E-06	7.89E-06	9.41E-07	1.25E-06	4.13E-06	2.85E-07
10129	471699.94	3819376.17	0.000014523	6.10E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.85E-06	9.37E-07	1.25E-06	4.11E-06	2.83E-07
10130	471700.03	3819366.52	0.000014451	6.07E-05	5.47E-06	1.20E-05	4.46E-05	3.92E-06	1.36E-06	7.81E-06	9.32E-07	1.24E-06	4.09E-06	2.82E-07
10131	471700.11	3819356.88	0.000014374	6.04E-05	5.44E-06	1.20E-05	4.44E-05	3.90E-06	1.36E-06	7.77E-06	9.27E-07	1.23E-06	4.07E-06	2.80E-07
10132	471700.19	3819347.23	0.000014287	6.00E-05	5.40E-06	1.19E-05	4.41E-05	3.88E-06	1.35E-06	7.72E-06	9.22E-07	1.23E-06	4.04E-06	2.79E-07
10133	471700.27	3819337.58	0.000014206	5.97E-05	5.37E-06	1.18E-05	4.38E-05	3.86E-06	1.34E-06	7.68E-06	9.16E-07	1.22E-06	4.02E-06	2.77E-07
10134	471700.36	3819327.93	0.000014109	5.93E-05	5.34E-06	1.18E-05	4.35E-05	3.83E-06	1.33E-06	7.63E-06	9.10E-07	1.21E-06	3.99E-06	2.75E-07
10135	471700.44	3819318.28	0.000014013	5.88E-05	5.30E-06	1.17E-05	4.32E-05	3.80E-06	1.32E-06	7.58E-06	9.04E-07	1.20E-06	3.97E-06	2.73E-07
10136	471700.52	3819308.63	0.000013917	5.84E-05	5.26E-06	1.16E-05	4.29E-05	3.78E-06	1.31E-06	7.52E-06	8.98E-07	1.19E-06	3.94E-06	2.72E-07
10137	471700.6	3819298.99	0.000013811	5.80E-05	5.22E-06	1.15E-05	4.26E-05	3.75E-06	1.30E-06	7.47E-06	8.91E-07	1.19E-06	3.91E-06	2.69E-07
10138	471700.69	3819289.34	0.0000137	5.75E-05	5.18E-06	1.14E-05	4.23E-05	3.72E-06	1.29E-06	7.41E-06	8.84E-07	1.18E-06	3.88E-06	2.67E-07
10139	471700.77	3819279.69	0.00001359	5.71E-05	5.14E-06	1.13E-05	4.19E-05	3.69E-06	1.28E-06	7.35E-06	8.77E-07	1.17E-06	3.85E-06	2.65E-07
10140	471700.85	3819270.04	0.00001347	5.66E-05	5.09E-06	1.12E-05	4.16E-05	3.66E-06	1.27E-06	7.28E-06	8.69E-07	1.16E-06	3.81E-06	2.63E-07
10141	471700.94	3819260.39	0.000013349	5.61E-05	5.05E-06	1.11E-05	4.12E-05	3.62E-06	1.26E-06	7.22E-06	8.61E-07	1.15E-06	3.78E-06	2.60E-07
10142	471775.43	3819472.52	0.000013585	5.71E-05	5.14E-06	1.13E-05	4.19E-05	3.69E-06	1.28E-06	7.34E-06	8.76E-07	1.17E-06	3.85E-06	2.65E-07
10143	471771.67	3819481.35	0.000013676	5.74E-05	5.17E-06	1.14E-05	4.22E-05	3.71E-06	1.29E-06	7.39E-06	8.82E-07	1.17E-06	3.87E-06	2.67E-07

10144	471767.91	3819490.18	0.000013768	5.78E-05	5.21E-06	1.15E-05	4.25E-05	3.74E-06	1.30E-06	7.44E-06	8.88E-07	1.18E-06	3.90E-06	2.69E-07
10145	471764.15	3819499.01	0.000013854	5.82E-05	5.24E-06	1.15E-05	4.28E-05	3.76E-06	1.31E-06	7.49E-06	8.94E-07	1.19E-06	3.92E-06	2.70E-07
10146	471760.39	3819507.84	0.000013941	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.32E-06	7.54E-06	8.99E-07	1.20E-06	3.95E-06	2.72E-07
10147	471756.63	3819516.67	0.000014023	5.89E-05	5.30E-06	1.17E-05	4.33E-05	3.81E-06	1.32E-06	7.58E-06	9.04E-07	1.20E-06	3.97E-06	2.74E-07
10148	471752.87	3819525.5	0.000014109	5.93E-05	5.34E-06	1.18E-05	4.35E-05	3.83E-06	1.33E-06	7.63E-06	9.10E-07	1.21E-06	3.99E-06	2.75E-07
10149	471749.11	3819534.34	0.000014191	5.96E-05	5.37E-06	1.18E-05	4.38E-05	3.85E-06	1.34E-06	7.67E-06	9.15E-07	1.22E-06	4.02E-06	2.77E-07
10150	471745.35	3819543.17	0.000014273	5.99E-05	5.40E-06	1.19E-05	4.40E-05	3.87E-06	1.35E-06	7.72E-06	9.21E-07	1.23E-06	4.04E-06	2.79E-07
10151	471741.59	3819552	0.000014355	6.03E-05	5.43E-06	1.20E-05	4.43E-05	3.90E-06	1.36E-06	7.76E-06	9.26E-07	1.23E-06	4.06E-06	2.80E-07
10152	471737.83	3819560.83	0.000014432	6.06E-05	5.46E-06	1.20E-05	4.45E-05	3.92E-06	1.36E-06	7.80E-06	9.31E-07	1.24E-06	4.09E-06	2.82E-07
10153	471734.07	3819569.66	0.000014509	6.09E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.84E-06	9.36E-07	1.25E-06	4.11E-06	2.83E-07
10154	471730.31	3819578.49	0.000014586	6.13E-05	5.52E-06	1.21E-05	4.50E-05	3.96E-06	1.38E-06	7.89E-06	9.41E-07	1.25E-06	4.13E-06	2.85E-07
10155	471726.55	3819587.32	0.000014663	6.16E-05	5.55E-06	1.22E-05	4.52E-05	3.98E-06	1.38E-06	7.93E-06	9.46E-07	1.26E-06	4.15E-06	2.86E-07
10156	471722.78	3819596.15	0.00001474	6.19E-05	5.57E-06	1.23E-05	4.55E-05	4.00E-06	1.39E-06	7.97E-06	9.51E-07	1.27E-06	4.17E-06	2.88E-07
10157	471719.02	3819604.98	0.000014812	6.22E-05	5.60E-06	1.23E-05	4.57E-05	4.02E-06	1.40E-06	8.01E-06	9.55E-07	1.27E-06	4.19E-06	2.89E-07
10158	471715.26	3819613.81	0.000014889	6.25E-05	5.63E-06	1.24E-05	4.59E-05	4.04E-06	1.41E-06	8.05E-06	9.60E-07	1.28E-06	4.21E-06	2.91E-07
10159	471711.5	3819622.64	0.000014961	6.28E-05	5.66E-06	1.25E-05	4.62E-05	4.06E-06	1.41E-06	8.09E-06	9.65E-07	1.28E-06	4.23E-06	2.92E-07
10160	471707.74	3819631.47	0.000015033	6.31E-05	5.69E-06	1.25E-05	4.64E-05	4.08E-06	1.42E-06	8.13E-06	9.70E-07	1.29E-06	4.26E-06	2.93E-07
10161	471703.98	3819640.3	0.000015105	6.34E-05	5.71E-06	1.26E-05	4.66E-05	4.10E-06	1.43E-06	8.17E-06	9.74E-07	1.30E-06	4.28E-06	2.95E-07
10162	471700.22	3819649.13	0.000015177	6.37E-05	5.74E-06	1.26E-05	4.68E-05	4.12E-06	1.43E-06	8.20E-06	9.79E-07	1.30E-06	4.30E-06	2.96E-07
10163	471696.46	3819657.96	0.000015249	6.40E-05	5.77E-06	1.27E-05	4.71E-05	4.14E-06	1.44E-06	8.24E-06	9.84E-07	1.31E-06	4.32E-06	2.98E-07
10164	471688.94	3819675.62	0.000015394	6.46E-05	5.82E-06	1.28E-05	4.75E-05	4.18E-06	1.45E-06	8.32E-06	9.93E-07	1.32E-06	4.36E-06	3.00E-07
10165	471685.18	3819684.45	0.000015466	6.50E-05	5.85E-06	1.29E-05	4.77E-05	4.20E-06	1.46E-06	8.36E-06	9.98E-07	1.33E-06	4.38E-06	3.02E-07
10166	471681.42	3819693.28	0.000015538	6.53E-05	5.88E-06	1.29E-05	4.79E-05	4.22E-06	1.47E-06	8.40E-06	1.00E-06	1.33E-06	4.40E-06	3.03E-07
10167	471677.66	3819702.11	0.00001561	6.56E-05	5.90E-06	1.30E-05	4.82E-05	4.24E-06	1.47E-06	8.44E-06	1.01E-06	1.34E-06	4.42E-06	3.05E-07
10168	471673.9	3819710.95	0.000015682	6.59E-05	5.93E-06	1.31E-05	4.84E-05	4.26E-06	1.48E-06	8.48E-06	1.01E-06	1.35E-06	4.44E-06	3.06E-07
10169	471670.14	3819719.78	0.00001575	6.61E-05	5.96E-06	1.31E-05	4.86E-05	4.28E-06	1.49E-06	8.51E-06	1.02E-06	1.35E-06	4.46E-06	3.07E-07
10170	471666.37	3819728.61	0.000015822	6.64E-05	5.98E-06	1.32E-05	4.88E-05	4.30E-06	1.49E-06	8.55E-06	1.02E-06	1.36E-06	4.48E-06	3.09E-07
10171	471662.61	3819737.44	0.000015889	6.67E-05	6.01E-06	1.32E-05	4.90E-05	4.31E-06	1.50E-06	8.59E-06	1.02E-06	1.36E-06	4.50E-06	3.10E-07
10172	471658.85	3819746.27	0.000015961	6.70E-05	6.04E-06	1.33E-05	4.93E-05	4.33E-06	1.51E-06	8.63E-06	1.03E-06	1.37E-06	4.52E-06	3.11E-07
10173	471655.09	3819755.1	0.000016029	6.73E-05	6.06E-06	1.34E-05	4.95E-05	4.35E-06	1.51E-06	8.67E-06	1.03E-06	1.38E-06	4.54E-06	3.13E-07
10174	471651.33	3819763.93	0.000016096	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.56E-06	3.14E-07
10175	471647.57	3819772.76	0.000016163	6.79E-05	6.11E-06	1.35E-05	4.99E-05	4.39E-06	1.53E-06	8.74E-06	1.04E-06	1.39E-06	4.58E-06	3.15E-07
10176	471643.81	3819781.59	0.000016226	6.81E-05	6.14E-06	1.35E-05	5.01E-05	4.40E-06	1.53E-06	8.77E-06	1.05E-06	1.39E-06	4.59E-06	3.17E-07
10177	471640.05	3819790.42	0.000016293	6.84E-05	6.16E-06	1.36E-05	5.03E-05	4.42E-06	1.54E-06	8.81E-06	1.05E-06	1.40E-06	4.61E-06	3.18E-07
10178	471636.29	3819799.25	0.000016356	6.87E-05	6.19E-06	1.36E-05	5.05E-05	4.44E-06	1.54E-06	8.84E-06	1.05E-06	1.40E-06	4.63E-06	3.19E-07
10179	471632.53	3819808.08	0.000016418	6.90E-05	6.21E-06	1.37E-05	5.07E-05	4.46E-06	1.55E-06	8.88E-06	1.06E-06	1.41E-06	4.65E-06	3.20E-07
10180	471628.77	3819816.91	0.000016476	6.92E-05	6.23E-06	1.37E-05	5.08E-05	4.47E-06	1.56E-06	8.91E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
10181	471625.01	3819825.74	0.000016534	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.49E-06	1.56E-06	8.94E-06	1.07E-06	1.42E-06	4.68E-06	3.23E-07
10182	471621.25	3819834.57	0.000016592	6.97E-05	6.27E-06	1.38E-05	5.12E-05	4.50E-06	1.57E-06	8.97E-06	1.07E-06	1.42E-06	4.70E-06	3.24E-07
10183	471617.49	3819843.4	0.000016645	6.99E-05	6.29E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.00E-06	1.07E-06	1.43E-06	4.71E-06	3.25E-07
10184	471602.44	3819878.73	0.000016832	7.07E-05	6.37E-06	1.40E-05	5.19E-05	4.57E-06	1.59E-06	9.10E-06	1.09E-06	1.44E-06	4.76E-06	3.28E-07
10185	471598.68	3819887.56	0.000016871	7.08E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
10186	471594.92	3819896.39	0.000016909	7.10E-05	6.39E-06	1.41E-05	5.22E-05	4.59E-06	1.60E-06	9.14E-06	1.09E-06	1.45E-06	4.79E-06	3.30E-07
10187	471591.16	3819905.22	0.000016943	7.12E-05	6.41E-06	1.41E-05	5.23E-05	4.60E-06	1.60E-06	9.16E-06	1.09E-06	1.45E-06	4.80E-06	3.31E-07
10188	471587.4	3819914.05	0.000016972	7.13E-05	6.42E-06	1.41E-05	5.24E-05	4.61E-06	1.60E-06	9.17E-06	1.09E-06	1.46E-06	4.80E-06	3.31E-07
10189	471583.64	3819922.88	0.000017001	7.14E-05	6.43E-06	1.42E-05	5.25E-05	4.61E-06	1.61E-06	9.19E-06	1.10E-06	1.46E-06	4.81E-06	3.32E-07
10190	471579.88	3819931.71	0.000017025	7.15E-05	6.44E-06	1.42E-05	5.25E-05	4.62E-06	1.61E-06	9.20E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
10191	471576.12	3819940.54	0.000017049	7.16E-05	6.45E-06	1.42E-05	5.26E-05	4.63E-06	1.61E-06	9.22E-06	1.10E-06	1.46E-06	4.83E-06	3.33E-07
10192	471572.36	3819949.37	0.000017068	7.17E-05	6.45E-06	1.42E-05	5.27E-05	4.63E-06	1.61E-06	9.23E-06	1.10E-06	1.47E-06	4.83E-06	3.33E-07
10193	471568.6	3819958.2	0.000017077	7.17E-05	6.46E-06	1.42E-05	5.27E-05	4.64E-06	1.61E-06	9.23E-06	1.10E-06	1.47E-06	4.83E-06	3.33E-07
10194	471564.84	3819967.03	0.000017092	7.18E-05	6.46E-06	1.42E-05	5.27E-05	4.64E-06	1.61E-06	9.24E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
10195	471561.08	3819975.86	0.000017097	7.18E-05	6.47E-06	1.42E-05	5.28E-05	4.64E-06	1.61E-06	9.24E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
10196	471557.31	3819984.69	0.000017102	7.18E-05	6.47E-06	1.42E-05	5.28E-05	4.64E-06	1.61E-06	9.25E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
10197	471553.55	3819993.52	0.000017106	7.18E-05	6.47E-06	1.42E-05	5.28E-05	4.64E-06	1.62E-06	9.25E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
10198	471549.79	3820002.35	0.000017106	7.18E-05	6.47E-06	1.42E-05	5.28E-05	4.64E-06	1.62E-06	9.25E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
10199	471546.03	3820011.18	0.000017102	7.18E-05	6.47E-06	1.42E-05	5.28E-05	4.64E-06	1.61E-06	9.25E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
10200	471542.27	3820020.01	0.000017097	7.18E-05	6.47E-06	1.42E-05	5.28E-05	4.64E-06	1.61E-06	9.24E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
10201	471538.51	3820028.84	0.000017087	7.18E-05	6.46E-06	1.42E-05	5.27E-05	4.64E-06	1.61E-06	9.24E-06	1.10E-06	1.47E-06	4.84E-06	3.33E-07
10202	471534.75	3820037.67	0.000017077	7.17E-05	6.46E-06	1.42E-05	5.27E-05	4.64E-06	1.61E-06	9.23E-06	1.10E-06	1.47E-06	4.83E-06	3.33E-07
10203	471530.99	3820046.5	0.000017063	7.17E-05	6.45E-06	1.42E-05	5.27E-05	4.63E-06	1.61E-06	9.22E-06	1.10E-06	1.46E-06	4.83E-06	3.33E-07
10204	471527.23	3820055.34	0.000017049	7.16E-05	6.45E-06	1.42E-05	5.26E-05	4.63E-06	1.61E-06	9.22E-06	1.10E-06	1.46E-06	4.83E-06	3.33E-07
10205	471523.47	3820064.17	0.000017034	7.15E-05	6.44E-06	1.42E-05	5.26E-05	4.62E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
10206	471519.71	3820073	0.000017015	7.15E-05	6.43E-06	1.42E-05	5.25E-05	4.62E-06	1.61E-06	9.20E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
10207	471515.95	3820081.83	0.000016996	7.14E-05	6.43E-06	1.42E-05	5.24E-05	4.61E-06	1.60E-06	9.19E-06	1.10E-06	1.46E-06	4.81E-06	3.32E-07
10208	471512.19	3820090.66	0.000016972	7.13E-05	6.42E-06	1.41E-05	5.24E-05	4.61E-06	1.60E-06	9.17E-06	1.09E-06	1.46E-06	4.80E-06	3.31E-07
10209	471508.43	3820099.49	0.000016952	7.12E-05	6.41E-06	1.41E-05	5.23E-05	4.60E-06	1.60E-06	9.16E-06	1.09E-06	1.46E-06	4.80E-06	3.31E-07
10210	471504.67	3820108.32	0.000016928	7.11E-05	6.40E-06	1.41E-05	5.22E-05	4.60E-06	1.60E-06	9.15E-06	1.09E-06	1.45E-06	4.79E-06	3.30E-07
10211	471500.9	3820117.15	0.000016904	7.10E-05	6.39E-06	1.41E-05	5.22E-05	4.59E-06	1.60E-06	9.14E-06	1.09E-06	1.45E-06	4.78E-06	3.30E-07
10212	471497.14	3820125.98	0.000016875	7.09E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
10213	471493.38	3820134.81	0.000016851	7.08E-05	6.37E-06	1.40E-05	5.20E-05	4.57E-06	1.59E-06	9.11E-06	1.09E-06	1.45E-06	4.77E-06	3.29E-07
10214	471489.62	3820143.64	0.000016827	7.07E-05	6.36E-06	1.40E-05	5.19E-05	4.57E-06	1.59E-06	9.10E-06	1.09E-06	1.44E-06	4.76E-06	3.28E-07
10215	471485.86	3820152.47	0.000016803	7.06E-05	6.35E-06	1.40E-05	5.19E-05	4.56E-06	1.59E-06	9.08E-06	1.08E-06	1.44E-06	4.76E-06	3.28E-07
10216	471482.1	3820161.3	0.000016779	7.05E-05	6.35E-06	1.40E-05	5.18E-05	4.55E-06	1.58E-06	9.07E-06	1.08E-06	1.44E-06	4.75E-06	3.27E-07

10217	471478.34	3820170.13	0.000016755	7.04E-05	6.34E-06	1.40E-05	5.17E-05	4.55E-06	1.58E-06	9.06E-06	1.08E-06	1.44E-06	4.74E-06	3.27E-07
10218	471474.58	3820178.96	0.000016731	7.03E-05	6.33E-06	1.39E-05	5.16E-05	4.54E-06	1.58E-06	9.04E-06	1.08E-06	1.44E-06	4.74E-06	3.26E-07
10219	471470.82	3820187.79	0.000016707	7.02E-05	6.32E-06	1.39E-05	5.16E-05	4.54E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
10220	471467.06	3820196.62	0.000016683	7.01E-05	6.31E-06	1.39E-05	5.15E-05	4.53E-06	1.58E-06	9.02E-06	1.08E-06	1.43E-06	4.72E-06	3.26E-07
10221	471463.3	3820205.45	0.000016659	7.00E-05	6.30E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.01E-06	1.07E-06	1.43E-06	4.72E-06	3.25E-07
10222	471459.54	3820214.28	0.00001664	6.99E-05	6.29E-06	1.39E-05	5.13E-05	4.52E-06	1.57E-06	9.00E-06	1.07E-06	1.43E-06	4.71E-06	3.25E-07
10223	471455.78	3820223.12	0.000016611	6.98E-05	6.28E-06	1.38E-05	5.13E-05	4.51E-06	1.57E-06	8.98E-06	1.07E-06	1.43E-06	4.70E-06	3.24E-07
10224	471452.02	3820231.95	0.000016587	6.97E-05	6.27E-06	1.38E-05	5.12E-05	4.50E-06	1.57E-06	8.97E-06	1.07E-06	1.42E-06	4.70E-06	3.24E-07
10225	471448.26	3820240.78	0.000016563	6.96E-05	6.26E-06	1.38E-05	5.11E-05	4.50E-06	1.56E-06	8.95E-06	1.07E-06	1.42E-06	4.69E-06	3.23E-07
10226	471444.49	3820249.61	0.000016544	6.95E-05	6.26E-06	1.38E-05	5.11E-05	4.49E-06	1.56E-06	8.94E-06	1.07E-06	1.42E-06	4.68E-06	3.23E-07
10227	471440.73	3820258.44	0.000016519	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.48E-06	1.56E-06	8.93E-06	1.07E-06	1.42E-06	4.68E-06	3.22E-07
10228	471436.97	3820267.27	0.0000165	6.93E-05	6.24E-06	1.37E-05	5.09E-05	4.48E-06	1.56E-06	8.92E-06	1.06E-06	1.42E-06	4.67E-06	3.22E-07
10229	471433.21	3820276.1	0.000016481	6.92E-05	6.23E-06	1.37E-05	5.09E-05	4.47E-06	1.56E-06	8.91E-06	1.06E-06	1.41E-06	4.67E-06	3.22E-07
10230	471429.45	3820284.93	0.000016457	6.91E-05	6.22E-06	1.37E-05	5.08E-05	4.47E-06	1.55E-06	8.90E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
10231	471425.69	3820293.76	0.000016433	6.90E-05	6.21E-06	1.37E-05	5.07E-05	4.46E-06	1.55E-06	8.88E-06	1.06E-06	1.41E-06	4.65E-06	3.21E-07
10232	471421.93	3820302.59	0.000016409	6.89E-05	6.21E-06	1.37E-05	5.06E-05	4.45E-06	1.55E-06	8.87E-06	1.06E-06	1.41E-06	4.64E-06	3.20E-07
10233	471418.17	3820311.42	0.000016385	6.88E-05	6.20E-06	1.36E-05	5.06E-05	4.45E-06	1.55E-06	8.86E-06	1.06E-06	1.41E-06	4.64E-06	3.20E-07
10234	471414.41	3820320.25	0.000016366	6.87E-05	6.19E-06	1.36E-05	5.05E-05	4.44E-06	1.55E-06	8.85E-06	1.06E-06	1.40E-06	4.63E-06	3.19E-07
10235	471410.65	3820329.08	0.000016346	6.86E-05	6.18E-06	1.36E-05	5.04E-05	4.44E-06	1.54E-06	8.84E-06	1.05E-06	1.40E-06	4.63E-06	3.19E-07
10236	471406.89	3820337.91	0.000016322	6.85E-05	6.17E-06	1.36E-05	5.04E-05	4.43E-06	1.54E-06	8.82E-06	1.05E-06	1.40E-06	4.62E-06	3.18E-07
10237	471403.13	3820346.74	0.000016303	6.85E-05	6.17E-06	1.36E-05	5.03E-05	4.43E-06	1.54E-06	8.81E-06	1.05E-06	1.40E-06	4.61E-06	3.18E-07
10238	471399.37	3820355.57	0.000016289	6.84E-05	6.16E-06	1.36E-05	5.03E-05	4.42E-06	1.54E-06	8.81E-06	1.05E-06	1.40E-06	4.61E-06	3.18E-07
10239	471395.61	3820364.4	0.000016265	6.83E-05	6.15E-06	1.35E-05	5.02E-05	4.42E-06	1.54E-06	8.79E-06	1.05E-06	1.40E-06	4.60E-06	3.17E-07
10240	471391.85	3820373.23	0.00001624	6.82E-05	6.14E-06	1.35E-05	5.01E-05	4.41E-06	1.53E-06	8.78E-06	1.05E-06	1.39E-06	4.60E-06	3.17E-07
10241	471388.08	3820382.06	0.000016216	6.81E-05	6.13E-06	1.35E-05	5.00E-05	4.40E-06	1.53E-06	8.77E-06	1.05E-06	1.39E-06	4.59E-06	3.16E-07
10242	471384.32	3820390.89	0.000016188	6.80E-05	6.12E-06	1.35E-05	5.00E-05	4.39E-06	1.53E-06	8.75E-06	1.04E-06	1.39E-06	4.58E-06	3.16E-07
10243	471380.56	3820399.73	0.000016159	6.79E-05	6.11E-06	1.35E-05	4.99E-05	4.39E-06	1.53E-06	8.74E-06	1.04E-06	1.39E-06	4.57E-06	3.15E-07
10244	471376.8	3820408.56	0.00001613	6.77E-05	6.10E-06	1.34E-05	4.98E-05	4.38E-06	1.52E-06	8.72E-06	1.04E-06	1.38E-06	4.57E-06	3.15E-07
10245	471373.04	3820417.39	0.000016096	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.56E-06	3.14E-07
10246	471369.28	3820426.22	0.000016062	6.75E-05	6.07E-06	1.34E-05	4.96E-05	4.36E-06	1.52E-06	8.68E-06	1.04E-06	1.38E-06	4.55E-06	3.13E-07
10247	471365.52	3820435.05	0.000016029	6.73E-05	6.06E-06	1.34E-05	4.95E-05	4.35E-06	1.51E-06	8.67E-06	1.03E-06	1.38E-06	4.54E-06	3.13E-07
10248	471361.76	3820443.88	0.000015995	6.72E-05	6.05E-06	1.33E-05	4.94E-05	4.34E-06	1.51E-06	8.65E-06	1.03E-06	1.37E-06	4.53E-06	3.12E-07
10249	471358	3820452.71	0.000015957	6.70E-05	6.03E-06	1.33E-05	4.92E-05	4.33E-06	1.51E-06	8.63E-06	1.03E-06	1.37E-06	4.52E-06	3.11E-07
10250	471354.24	3820461.54	0.000015918	6.68E-05	6.02E-06	1.33E-05	4.91E-05	4.32E-06	1.50E-06	8.61E-06	1.03E-06	1.37E-06	4.51E-06	3.11E-07
10251	471350.48	3820470.37	0.00001588	6.67E-05	6.01E-06	1.32E-05	4.90E-05	4.31E-06	1.50E-06	8.58E-06	1.02E-06	1.36E-06	4.49E-06	3.10E-07
10252	471346.72	3820479.2	0.000015841	6.65E-05	5.99E-06	1.32E-05	4.89E-05	4.30E-06	1.50E-06	8.56E-06	1.02E-06	1.36E-06	4.48E-06	3.09E-07
10253	471342.96	3820488.03	0.000015798	6.63E-05	5.97E-06	1.32E-05	4.88E-05	4.29E-06	1.49E-06	8.54E-06	1.02E-06	1.36E-06	4.47E-06	3.08E-07
10254	471339.2	3820496.86	0.000015755	6.62E-05	5.96E-06	1.31E-05	4.86E-05	4.28E-06	1.49E-06	8.52E-06	1.02E-06	1.35E-06	4.46E-06	3.07E-07
10255	471335.44	3820505.69	0.000015706	6.60E-05	5.94E-06	1.31E-05	4.85E-05	4.26E-06	1.48E-06	8.49E-06	1.01E-06	1.35E-06	4.45E-06	3.06E-07
10256	471331.67	3820514.52	0.000015658	6.58E-05	5.92E-06	1.30E-05	4.83E-05	4.25E-06	1.48E-06	8.46E-06	1.01E-06	1.34E-06	4.43E-06	3.06E-07
10257	471319	3820526.91	0.000015692	6.59E-05	5.93E-06	1.31E-05	4.84E-05	4.26E-06	1.48E-06	8.48E-06	1.01E-06	1.35E-06	4.44E-06	3.06E-07
10258	471310.09	3820530.47	0.000015764	6.62E-05	5.96E-06	1.31E-05	4.86E-05	4.28E-06	1.49E-06	8.52E-06	1.02E-06	1.35E-06	4.46E-06	3.08E-07
10259	471301.18	3820534.04	0.000015841	6.65E-05	5.99E-06	1.32E-05	4.89E-05	4.30E-06	1.50E-06	8.56E-06	1.02E-06	1.36E-06	4.48E-06	3.09E-07
10260	471292.26	3820537.6	0.000015913	6.68E-05	6.02E-06	1.33E-05	4.91E-05	4.32E-06	1.50E-06	8.60E-06	1.03E-06	1.37E-06	4.50E-06	3.11E-07
10261	471283.35	3820541.16	0.00001599	6.72E-05	6.05E-06	1.33E-05	4.93E-05	4.34E-06	1.51E-06	8.64E-06	1.03E-06	1.37E-06	4.53E-06	3.12E-07
10262	471247.7	3820555.4	0.000016265	6.83E-05	6.15E-06	1.35E-05	5.02E-05	4.42E-06	1.54E-06	8.79E-06	1.05E-06	1.40E-06	4.60E-06	3.17E-07
10263	471238.79	3820558.96	0.000016332	6.86E-05	6.18E-06	1.36E-05	5.04E-05	4.43E-06	1.54E-06	8.83E-06	1.05E-06	1.40E-06	4.62E-06	3.19E-07
10264	471229.87	3820562.52	0.000016394	6.88E-05	6.20E-06	1.37E-05	5.06E-05	4.45E-06	1.55E-06	8.86E-06	1.06E-06	1.41E-06	4.64E-06	3.20E-07
10265	471220.96	3820566.09	0.000016457	6.91E-05	6.22E-06	1.37E-05	5.08E-05	4.47E-06	1.55E-06	8.90E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
10266	471212.05	3820569.65	0.000016519	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.48E-06	1.56E-06	8.93E-06	1.07E-06	1.42E-06	4.68E-06	3.22E-07
10267	471203.13	3820573.21	0.000016582	6.96E-05	6.27E-06	1.38E-05	5.12E-05	4.50E-06	1.57E-06	8.96E-06	1.07E-06	1.42E-06	4.69E-06	3.24E-07
10268	471194.22	3820576.77	0.000016645	6.99E-05	6.29E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.00E-06	1.07E-06	1.43E-06	4.71E-06	3.25E-07
10269	471185.31	3820580.33	0.000016707	7.02E-05	6.32E-06	1.39E-05	5.16E-05	4.54E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
10270	471176.39	3820583.89	0.000016765	7.04E-05	6.34E-06	1.40E-05	5.17E-05	4.55E-06	1.58E-06	9.06E-06	1.08E-06	1.44E-06	4.75E-06	3.27E-07
10271	471167.48	3820587.45	0.000016827	7.07E-05	6.36E-06	1.40E-05	5.19E-05	4.57E-06	1.59E-06	9.10E-06	1.09E-06	1.44E-06	4.76E-06	3.28E-07
10272	471158.57	3820591.01	0.000016885	7.09E-05	6.39E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.13E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
10273	471149.66	3820594.57	0.000016948	7.12E-05	6.41E-06	1.41E-05	5.23E-05	4.60E-06	1.60E-06	9.16E-06	1.09E-06	1.45E-06	4.80E-06	3.31E-07
10274	471140.74	3820598.14	0.000017005	7.14E-05	6.43E-06	1.42E-05	5.25E-05	4.62E-06	1.61E-06	9.19E-06	1.10E-06	1.46E-06	4.81E-06	3.32E-07
10275	471131.83	3820601.7	0.000017068	7.17E-05	6.45E-06	1.42E-05	5.27E-05	4.63E-06	1.61E-06	9.23E-06	1.10E-06	1.47E-06	4.83E-06	3.33E-07
10276	471122.92	3820605.26	0.00001713	7.19E-05	6.48E-06	1.43E-05	5.29E-05	4.65E-06	1.62E-06	9.26E-06	1.10E-06	1.47E-06	4.85E-06	3.34E-07
10277	471114	3820608.82	0.000017193	7.22E-05	6.50E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.29E-06	1.11E-06	1.48E-06	4.87E-06	3.35E-07
10278	471105.09	3820612.38	0.00001726	7.25E-05	6.53E-06	1.44E-05	5.33E-05	4.69E-06	1.63E-06	9.33E-06	1.11E-06	1.48E-06	4.89E-06	3.37E-07
10279	471096.18	3820615.94	0.000017328	7.28E-05	6.55E-06	1.44E-05	5.35E-05	4.70E-06	1.64E-06	9.37E-06	1.12E-06	1.49E-06	4.90E-06	3.38E-07
10280	471087.27	3820619.5	0.000017395	7.31E-05	6.58E-06	1.45E-05	5.37E-05	4.72E-06	1.64E-06	9.40E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
10281	471078.35	3820623.06	0.000017467	7.34E-05	6.61E-06	1.45E-05	5.39E-05	4.74E-06	1.65E-06	9.44E-06	1.13E-06	1.50E-06	4.94E-06	3.41E-07
10282	471069.44	3820626.62	0.000017539	7.37E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.66E-06	9.48E-06	1.13E-06	1.51E-06	4.96E-06	3.42E-07
10283	471060.53	3820630.19	0.000017611	7.40E-05	6.66E-06	1.47E-05	5.43E-05	4.78E-06	1.66E-06	9.52E-06	1.14E-06	1.51E-06	4.99E-06	3.44E-07
10284	471051.61	3820633.75	0.000017684	7.43E-05	6.69E-06	1.47E-05	5.46E-05	4.80E-06	1.67E-06	9.56E-06	1.14E-06	1.52E-06	5.01E-06	3.45E-07
10285	471042.7	3820637.31	0.000017761	7.46E-05	6.72E-06	1.48E-05	5.48E-05	4.82E-06	1.68E-06	9.60E-06	1.15E-06	1.52E-06	5.03E-06	3.47E-07
10286	471033.79	3820640.87	0.000017842	7.49E-05	6.75E-06	1.49E-05	5.51E-05	4.84E-06	1.68E-06	9.65E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
10287	471024.88	3820644.43	0.000017929	7.53E-05	6.78E-06	1.49E-05	5.53E-05	4.87E-06	1.69E-06	9.69E-06	1.16E-06	1.54E-06	5.07E-06	3.50E-07
10288	471015.96	3820647.99	0.00001802	7.57E-05	6.82E-06	1.50E-05	5.56E-05	4.89E-06	1.70E-06	9.74E-06	1.16E-06	1.55E-06	5.10E-06	3.52E-07
10289	471007.05	3820651.55	0.000018117	7.61E-05	6.85E-06	1.51E-05	5.59E-05	4.92E-06	1.71E-06	9.79E-06	1.17E-06	1.56E-06	5.13E-06	3.54E-07

10290	470998.14	3820655.11	0.000018213	7.65E-05	6.89E-06	1.52E-05	5.62E-05	4.94E-06	1.72E-06	9.85E-06	1.17E-06	1.56E-06	5.16E-06	3.55E-07
10291	470989.22	3820658.67	0.000018319	7.69E-05	6.93E-06	1.53E-05	5.65E-05	4.97E-06	1.73E-06	9.90E-06	1.18E-06	1.57E-06	5.19E-06	3.57E-07
10292	470980.31	3820662.24	0.000018429	7.74E-05	6.97E-06	1.54E-05	5.69E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
10293	470900.1	3820694.29	0.000019743	8.29E-05	7.47E-06	1.64E-05	6.09E-05	5.36E-06	1.86E-06	1.07E-05	1.27E-06	1.69E-06	5.59E-06	3.85E-07
10294	470891.18	3820697.85	0.000019911	8.36E-05	7.53E-06	1.66E-05	6.14E-05	5.41E-06	1.88E-06	1.08E-05	1.28E-06	1.71E-06	5.64E-06	3.89E-07
10295	470882.27	3820701.41	0.000020084	8.43E-05	7.60E-06	1.67E-05	6.20E-05	5.45E-06	1.90E-06	1.09E-05	1.30E-06	1.72E-06	5.69E-06	3.92E-07
10296	470873.36	3820704.97	0.000020262	8.51E-05	7.66E-06	1.69E-05	6.25E-05	5.50E-06	1.91E-06	1.10E-05	1.31E-06	1.74E-06	5.74E-06	3.95E-07
10297	470864.44	3820708.53	0.000020445	8.59E-05	7.73E-06	1.70E-05	6.31E-05	5.55E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.79E-06	3.99E-07
10298	470855.53	3820712.09	0.000020633	8.66E-05	7.80E-06	1.72E-05	6.37E-05	5.60E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.84E-06	4.03E-07
10299	470846.62	3820715.65	0.00002082	8.74E-05	7.87E-06	1.73E-05	6.42E-05	5.65E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
10300	470837.71	3820719.21	0.000021017	8.83E-05	7.95E-06	1.75E-05	6.49E-05	5.71E-06	1.98E-06	1.14E-05	1.36E-06	1.80E-06	5.95E-06	4.10E-07
10301	470828.79	3820722.77	0.000021215	8.91E-05	8.02E-06	1.77E-05	6.55E-05	5.76E-06	2.00E-06	1.15E-05	1.37E-06	1.82E-06	6.01E-06	4.14E-07
10302	470819.88	3820726.34	0.000021407	8.99E-05	8.10E-06	1.78E-05	6.61E-05	5.81E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.06E-06	4.18E-07
10303	470810.97	3820729.9	0.000021595	9.07E-05	8.17E-06	1.80E-05	6.66E-05	5.86E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.11E-06	4.21E-07
10304	470802.05	3820733.46	0.000021787	9.15E-05	8.24E-06	1.81E-05	6.72E-05	5.91E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.17E-06	4.25E-07
10305	470793.14	3820737.02	0.000021965	9.22E-05	8.31E-06	1.83E-05	6.78E-05	5.96E-06	2.07E-06	1.19E-05	1.42E-06	1.89E-06	6.22E-06	4.29E-07
10306	470784.23	3820740.58	0.000022133	9.30E-05	8.37E-06	1.84E-05	6.83E-05	6.01E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.27E-06	4.32E-07
10307	470775.32	3820744.14	0.000022302	9.37E-05	8.43E-06	1.86E-05	6.88E-05	6.05E-06	2.11E-06	1.21E-05	1.44E-06	1.91E-06	6.31E-06	4.35E-07
10308	470766.4	3820747.7	0.00002247	9.44E-05	8.50E-06	1.87E-05	6.93E-05	6.10E-06	2.12E-06	1.21E-05	1.45E-06	1.93E-06	6.36E-06	4.38E-07
10309	470757.49	3820751.26	0.000022653	9.51E-05	8.57E-06	1.89E-05	6.99E-05	6.15E-06	2.14E-06	1.22E-05	1.46E-06	1.94E-06	6.41E-06	4.42E-07
10310	470748.58	3820754.82	0.000022836	9.59E-05	8.64E-06	1.90E-05	7.05E-05	6.20E-06	2.16E-06	1.23E-05	1.47E-06	1.96E-06	6.46E-06	4.46E-07
10311	470739.66	3820758.39	0.000023019	9.67E-05	8.71E-06	1.92E-05	7.10E-05	6.25E-06	2.17E-06	1.24E-05	1.48E-06	1.98E-06	6.52E-06	4.49E-07
10312	470730.75	3820761.95	0.000023211	9.75E-05	8.78E-06	1.93E-05	7.16E-05	6.30E-06	2.19E-06	1.25E-05	1.50E-06	1.99E-06	6.57E-06	4.53E-07
10313	470721.84	3820765.51	0.000023399	9.83E-05	8.85E-06	1.95E-05	7.22E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.57E-07
10314	470712.93	3820769.07	0.000023581	9.90E-05	8.92E-06	1.96E-05	7.28E-05	6.40E-06	2.23E-06	1.27E-05	1.52E-06	2.02E-06	6.68E-06	4.60E-07
10315	470704.01	3820772.63	0.000023759	9.98E-05	8.99E-06	1.98E-05	7.33E-05	6.45E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.73E-06	4.64E-07
10316	470695.1	3820776.19	0.000023933	1.01E-04	9.05E-06	1.99E-05	7.39E-05	6.50E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.77E-06	4.67E-07
10317	470686.19	3820779.75	0.000024101	1.01E-04	9.11E-06	2.01E-05	7.44E-05	6.54E-06	2.28E-06	1.30E-05	1.55E-06	2.07E-06	6.82E-06	4.70E-07
10318	470677.27	3820783.31	0.000024264	1.02E-04	9.18E-06	2.02E-05	7.49E-05	6.59E-06	2.29E-06	1.31E-05	1.57E-06	2.08E-06	6.87E-06	4.73E-07
10319	470668.36	3820786.87	0.000024418	1.03E-04	9.23E-06	2.03E-05	7.54E-05	6.63E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.91E-06	4.76E-07
10320	470659.45	3820790.44	0.000024568	1.03E-04	9.29E-06	2.05E-05	7.58E-05	6.67E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.95E-06	4.79E-07
10321	470650.54	3820794	0.000024707	1.04E-04	9.34E-06	2.06E-05	7.62E-05	6.71E-06	2.33E-06	1.34E-05	1.59E-06	2.12E-06	6.99E-06	4.82E-07
10322	470641.62	3820797.56	0.000024847	1.04E-04	9.40E-06	2.07E-05	7.67E-05	6.74E-06	2.35E-06	1.34E-05	1.60E-06	2.13E-06	7.03E-06	4.85E-07
10323	470632.71	3820801.12	0.000024976	1.05E-04	9.45E-06	2.08E-05	7.71E-05	6.78E-06	2.36E-06	1.35E-05	1.61E-06	2.14E-06	7.07E-06	4.87E-07
10324	470623.8	3820804.68	0.000025097	1.05E-04	9.49E-06	2.09E-05	7.74E-05	6.81E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.90E-07
10325	470614.88	3820808.24	0.000025212	1.06E-04	9.54E-06	2.10E-05	7.78E-05	6.84E-06	2.38E-06	1.36E-05	1.63E-06	2.16E-06	7.14E-06	4.92E-07
10326	470605.97	3820811.8	0.000025318	1.06E-04	9.58E-06	2.11E-05	7.81E-05	6.87E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.17E-06	4.94E-07
10327	470597.06	3820815.36	0.000025424	1.07E-04	9.62E-06	2.12E-05	7.85E-05	6.90E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.20E-06	4.96E-07
10328	470588.15	3820818.92	0.00002552	1.07E-04	9.65E-06	2.13E-05	7.87E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.22E-06	4.98E-07
10329	470579.23	3820822.49	0.000025602	1.08E-04	9.68E-06	2.13E-05	7.90E-05	6.95E-06	2.42E-06	1.38E-05	1.65E-06	2.20E-06	7.25E-06	5.00E-07
10330	470570.32	3820826.05	0.000025679	1.08E-04	9.71E-06	2.14E-05	7.92E-05	6.97E-06	2.42E-06	1.39E-05	1.66E-06	2.20E-06	7.27E-06	5.01E-07
10331	470561.41	3820829.61	0.000025751	1.08E-04	9.74E-06	2.14E-05	7.95E-05	6.99E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.29E-06	5.02E-07
10332	470552.49	3820833.17	0.000025828	1.08E-04	9.77E-06	2.15E-05	7.97E-05	7.01E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.31E-06	5.04E-07
10333	470490.1	3820858.1	0.000026194	1.10E-04	9.91E-06	2.18E-05	8.08E-05	7.11E-06	2.47E-06	1.42E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
10334	470481.19	3820861.66	0.000026222	1.10E-04	9.92E-06	2.18E-05	8.09E-05	7.12E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.42E-06	5.12E-07
10335	470472.28	3820865.22	0.000026246	1.10E-04	9.93E-06	2.19E-05	8.10E-05	7.12E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.43E-06	5.12E-07
10336	470463.37	3820868.78	0.00002628	1.10E-04	9.94E-06	2.19E-05	8.11E-05	7.13E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.44E-06	5.13E-07
10337	470454.45	3820872.34	0.000026314	1.11E-04	9.95E-06	2.19E-05	8.12E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.13E-07
10338	470445.54	3820875.9	0.000026352	1.11E-04	9.97E-06	2.19E-05	8.13E-05	7.15E-06	2.49E-06	1.42E-05	1.70E-06	2.26E-06	7.46E-06	5.14E-07
10339	470436.63	3820879.46	0.000026381	1.11E-04	9.98E-06	2.20E-05	8.14E-05	7.16E-06	2.49E-06	1.43E-05	1.70E-06	2.26E-06	7.47E-06	5.15E-07
10340	470427.71	3820883.02	0.000026415	1.11E-04	9.99E-06	2.20E-05	8.15E-05	7.17E-06	2.49E-06	1.43E-05	1.70E-06	2.27E-06	7.48E-06	5.15E-07
10341	470418.8	3820886.58	0.000026444	1.11E-04	1.00E-05	2.20E-05	8.16E-05	7.18E-06	2.50E-06	1.43E-05	1.71E-06	2.27E-06	7.49E-06	5.16E-07
10342	470392.06	3820897.27	0.00002655	1.12E-04	1.00E-05	2.21E-05	8.19E-05	7.21E-06	2.51E-06	1.44E-05	1.71E-06	2.28E-06	7.52E-06	5.18E-07
10343	470383.15	3820900.83	0.000026593	1.12E-04	1.01E-05	2.22E-05	8.21E-05	7.22E-06	2.51E-06	1.44E-05	1.72E-06	2.28E-06	7.53E-06	5.19E-07
10344	470374.24	3820904.39	0.000026641	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
10345	470365.32	3820907.95	0.000026694	1.12E-04	1.01E-05	2.22E-05	8.24E-05	7.25E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.56E-06	5.21E-07
10346	470356.41	3820911.51	0.000026752	1.12E-04	1.01E-05	2.23E-05	8.25E-05	7.26E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.57E-06	5.22E-07
10347	470347.5	3820915.07	0.000026819	1.13E-04	1.01E-05	2.23E-05	8.28E-05	7.28E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.59E-06	5.23E-07
10348	470338.59	3820918.63	0.000026886	1.13E-04	1.02E-05	2.24E-05	8.30E-05	7.30E-06	2.54E-06	1.45E-05	1.73E-06	2.31E-06	7.61E-06	5.25E-07
10349	470329.67	3820922.2	0.000026963	1.13E-04	1.02E-05	2.25E-05	8.32E-05	7.32E-06	2.55E-06	1.46E-05	1.74E-06	2.31E-06	7.63E-06	5.26E-07
10350	470320.76	3820925.76	0.00002704	1.14E-04	1.02E-05	2.25E-05	8.34E-05	7.34E-06	2.55E-06	1.46E-05	1.74E-06	2.32E-06	7.65E-06	5.28E-07
10351	470311.85	3820929.32	0.000027122	1.14E-04	1.03E-05	2.26E-05	8.37E-05	7.36E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.68E-06	5.29E-07
10352	470302.93	3820932.88	0.000027213	1.14E-04	1.03E-05	2.27E-05	8.40E-05	7.39E-06	2.57E-06	1.47E-05	1.76E-06	2.34E-06	7.70E-06	5.31E-07
10353	470294.02	3820936.44	0.000027305	1.15E-04	1.03E-05	2.27E-05	8.43E-05	7.41E-06	2.58E-06	1.48E-05	1.76E-06	2.34E-06	7.73E-06	5.33E-07
10354	470285.11	3820940	0.000027396	1.15E-04	1.04E-05	2.28E-05	8.45E-05	7.44E-06	2.59E-06	1.48E-05	1.77E-06	2.35E-06	7.75E-06	5.35E-07
10355	470276.2	3820943.56	0.000027497	1.15E-04	1.04E-05	2.29E-05	8.49E-05	7.46E-06	2.60E-06	1.49E-05	1.77E-06	2.36E-06	7.78E-06	5.37E-07
10356	470267.28	3820947.12	0.000027598	1.16E-04	1.04E-05	2.30E-05	8.52E-05	7.49E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.81E-06	5.38E-07
10357	471779.19	3819463.69	0.000013494	5.67E-05	5.10E-06	1.12E-05	4.16E-05	3.66E-06	1.27E-06	7.29E-06	8.70E-07	1.16E-06	3.82E-06	2.63E-07
10358	471779.28	3819454.04	0.00001346	5.65E-05	5.09E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.28E-06	8.68E-07	1.16E-06	3.81E-06	2.63E-07
10359	471779.36	3819444.39	0.000013421	5.64E-05	5.08E-06	1.12E-05	4.14E-05	3.64E-06	1.27E-06	7.26E-06	8.66E-07	1.15E-06	3.80E-06	2.62E-07
10360	471779.44	3819434.75	0.000013383	5.62E-05	5.06E-06	1.11E-05	4.13E-05	3.63E-06	1.26E-06	7.23E-06	8.63E-07	1.15E-06	3.79E-06	2.61E-07
10361	471779.53	3819425.1	0.00001334	5.60E-05	5.04E-06	1.11E-05	4.12E-05	3.62E-06	1.26E-06	7.21E-06	8.60E-07	1.15E-06	3.78E-06	2.60E-07
10362	471779.61	3819415.45	0.000013292	5.58E-05	5.03E-06	1.11E-05	4.10E-05	3.61E-06	1.26E-06	7.19E-06	8.57E-07	1.14E-06	3.76E-06	2.59E-07

10363	471779.69	3819405.8	0.000013243	5.56E-05	5.01E-06	1.10E-05	4.09E-05	3.60E-06	1.25E-06	7.16E-06	8.54E-07	1.14E-06	3.75E-06	2.58E-07
10364	471779.77	3819396.15	0.000013186	5.54E-05	4.99E-06	1.10E-05	4.07E-05	3.58E-06	1.25E-06	7.13E-06	8.50E-07	1.13E-06	3.73E-06	2.57E-07
10365	471779.86	3819386.51	0.000013128	5.51E-05	4.96E-06	1.09E-05	4.05E-05	3.56E-06	1.24E-06	7.10E-06	8.47E-07	1.13E-06	3.72E-06	2.56E-07
10366	471779.94	3819376.86	0.000013065	5.49E-05	4.94E-06	1.09E-05	4.03E-05	3.55E-06	1.23E-06	7.06E-06	8.43E-07	1.12E-06	3.70E-06	2.55E-07
10367	471780.02	3819367.21	0.000013003	5.46E-05	4.92E-06	1.08E-05	4.01E-05	3.53E-06	1.23E-06	7.03E-06	8.39E-07	1.12E-06	3.68E-06	2.54E-07
10368	471780.1	3819357.56	0.000012936	5.43E-05	4.89E-06	1.08E-05	3.99E-05	3.51E-06	1.22E-06	6.99E-06	8.34E-07	1.11E-06	3.66E-06	2.52E-07
10369	471780.19	3819347.91	0.000012863	5.40E-05	4.86E-06	1.07E-05	3.97E-05	3.49E-06	1.21E-06	6.95E-06	8.30E-07	1.10E-06	3.64E-06	2.51E-07
10370	471780.27	3819338.26	0.000012786	5.37E-05	4.84E-06	1.07E-05	3.95E-05	3.47E-06	1.21E-06	6.91E-06	8.25E-07	1.10E-06	3.62E-06	2.49E-07
10371	471780.35	3819328.62	0.00001271	5.34E-05	4.81E-06	1.06E-05	3.92E-05	3.45E-06	1.20E-06	6.87E-06	8.20E-07	1.09E-06	3.60E-06	2.48E-07
10372	471780.44	3819318.97	0.000012628	5.30E-05	4.78E-06	1.05E-05	3.90E-05	3.43E-06	1.19E-06	6.83E-06	8.15E-07	1.08E-06	3.57E-06	2.46E-07
10373	471780.52	3819309.32	0.000012541	5.27E-05	4.74E-06	1.04E-05	3.87E-05	3.40E-06	1.18E-06	6.78E-06	8.09E-07	1.08E-06	3.55E-06	2.45E-07
10374	471780.6	3819299.67	0.00001245	5.23E-05	4.71E-06	1.04E-05	3.84E-05	3.38E-06	1.18E-06	6.73E-06	8.03E-07	1.07E-06	3.52E-06	2.43E-07
10375	471780.68	3819290.02	0.000012358	5.19E-05	4.67E-06	1.03E-05	3.81E-05	3.35E-06	1.17E-06	6.68E-06	7.97E-07	1.06E-06	3.50E-06	2.41E-07
10376	471780.77	3819280.38	0.000012262	5.15E-05	4.64E-06	1.02E-05	3.78E-05	3.33E-06	1.16E-06	6.63E-06	7.91E-07	1.05E-06	3.47E-06	2.39E-07
10377	471780.85	3819270.73	0.000012161	5.11E-05	4.60E-06	1.01E-05	3.75E-05	3.30E-06	1.15E-06	6.57E-06	7.84E-07	1.04E-06	3.44E-06	2.37E-07
10378	471780.93	3819261.08	0.00001206	5.06E-05	4.56E-06	1.00E-05	3.72E-05	3.27E-06	1.14E-06	6.52E-06	7.78E-07	1.04E-06	3.41E-06	2.35E-07
10379	470104.7	3819448.4	0.0027572	1.16E-02	1.04E-03	2.30E-03	8.51E-03	7.49E-04	2.60E-04	1.49E-03	1.78E-04	2.37E-04	7.80E-04	5.38E-05
10380	470108.95	3819236.14	0.0015135	6.36E-03	5.72E-04	1.26E-03	4.67E-03	4.11E-04	1.43E-04	8.18E-04	9.76E-05	1.30E-04	4.28E-04	2.95E-05
10381	470281.07	3819238.57	0.0025334	1.06E-02	9.58E-04	2.11E-03	7.82E-03	6.88E-04	2.39E-04	1.37E-03	1.63E-04	2.17E-04	7.17E-04	4.94E-05
10382	470279.25	3819450.83	0.0032267	1.36E-02	1.22E-03	2.69E-03	9.96E-03	8.76E-04	3.05E-04	1.74E-03	2.08E-04	2.77E-04	9.13E-04	6.30E-05

			T2		7411		T3				T4i				T4f			
			7407	########	########													
						1.12E-07				8.41E-08				1.40E-08				7.80E-09
			Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total
1	470223.98	3819217.76	3.21E-08	1.35E-07	1.21E-08	1.79E-07	2.67E-08	9.90E-08	8.71E-09	1.34E-07	3.03E-09	1.73E-08	2.07E-09	2.24E-08	2.75E-09	9.08E-09	6.26E-10	1.25E-08
2	470214.42	3819217.63	3.27E-08	1.37E-07	1.24E-08	1.82E-07	2.72E-08	1.01E-07	8.87E-09	1.37E-07	3.08E-09	1.77E-08	2.11E-09	2.29E-08	2.80E-09	9.25E-09	6.37E-10	1.27E-08
3	470204.85	3819217.49	3.29E-08	1.38E-07	1.24E-08	1.83E-07	2.74E-08	1.01E-07	8.93E-09	1.38E-07	3.11E-09	1.78E-08	2.12E-09	2.30E-08	2.82E-09	9.31E-09	6.42E-10	1.28E-08
4	470195.29	3819217.36	3.28E-08	1.38E-07	1.24E-08	1.83E-07	2.73E-08	1.01E-07	8.90E-09	1.37E-07	3.10E-09	1.77E-08	2.12E-09	2.29E-08	2.82E-09	9.28E-09	6.40E-10	1.27E-08
5	470185.73	3819217.22	3.24E-08	1.36E-07	1.22E-08	1.81E-07	2.70E-08	9.99E-08	8.79E-09	1.36E-07	3.06E-09	1.75E-08	2.09E-09	2.26E-08	2.78E-09	9.16E-09	6.31E-10	1.26E-08
6	470271.93	3819208.44	1.75E-08	7.34E-08	6.61E-09	9.75E-08	1.46E-08	5.39E-08	4.74E-09	7.32E-08	1.65E-09	9.45E-09	1.13E-09	1.22E-08	1.50E-09	4.95E-09	3.41E-10	6.79E-09
7	470262.37	3819208.3	1.95E-08	8.19E-08	7.38E-09	1.09E-07	1.62E-08	6.02E-08	5.30E-09	8.17E-08	1.84E-09	1.05E-08	1.26E-09	1.36E-08	1.67E-09	5.52E-09	3.81E-10	7.58E-09
8	470252.81	3819208.17	2.13E-08	8.94E-08	8.05E-09	1.19E-07	1.77E-08	6.57E-08	5.78E-09	8.92E-08	2.01E-09	1.15E-08	1.37E-09	1.49E-08	1.83E-09	6.03E-09	4.16E-10	8.27E-09
9	470243.24	3819208.03	2.28E-08	9.57E-08	8.62E-09	1.27E-07	1.90E-08	7.03E-08	6.18E-09	9.55E-08	2.15E-09	1.23E-08	1.47E-09	1.59E-08	1.96E-09	6.45E-09	4.45E-10	8.85E-09
10	470233.68	3819207.9	2.39E-08	1.00E-07	9.04E-09	1.33E-07	1.99E-08	7.38E-08	6.49E-09	1.00E-07	2.26E-09	1.29E-08	1.54E-09	1.67E-08	2.05E-09	6.77E-09	4.66E-10	9.28E-09
11	470224.12	3819207.76	2.47E-08	1.04E-07	9.35E-09	1.38E-07	2.06E-08	7.63E-08	6.71E-09	1.04E-07	2.34E-09	1.34E-08	1.59E-09	1.73E-08	2.12E-09	7.00E-09	4.82E-10	9.60E-09
12	470214.56	3819207.63	2.53E-08	1.06E-07	9.56E-09	1.41E-07	2.11E-08	7.80E-08	6.86E-09	1.06E-07	2.39E-09	1.37E-08	1.63E-09	1.77E-08	2.17E-09	7.15E-09	4.93E-10	9.82E-09
13	470205	3819207.49	2.55E-08	1.07E-07	9.65E-09	1.42E-07	2.13E-08	7.88E-08	6.93E-09	1.07E-07	2.41E-09	1.38E-08	1.65E-09	1.79E-08	2.19E-09	7.22E-09	4.98E-10	9.91E-09
14	470195.43	3819207.36	2.55E-08	1.07E-07	9.65E-09	1.42E-07	2.13E-08	7.88E-08	6.93E-09	1.07E-07	2.41E-09	1.38E-08	1.65E-09	1.79E-08	2.19E-09	7.22E-09	4.98E-10	9.91E-09
15	470185.87	3819207.22	2.53E-08	1.06E-07	9.55E-09	1.41E-07	2.10E-08	7.79E-08	6.86E-09	1.06E-07	2.38E-09	1.37E-08	1.63E-09	1.77E-08	2.17E-09	7.15E-09	4.93E-10	9.81E-09
16	470166.75	3819206.95	2.40E-08	1.01E-07	9.06E-09	1.34E-07	2.00E-08	7.39E-08	6.50E-09	1.00E-07	2.26E-09	1.30E-08	1.55E-09	1.68E-08	2.06E-09	6.78E-09	4.68E-10	9.31E-09
17	470157.18	3819206.82	2.29E-08	9.61E-08	8.66E-09	1.28E-07	1.91E-08	7.06E-08	6.21E-09	9.59E-08	2.16E-09	1.24E-08	1.48E-09	1.60E-08	1.96E-09	6.48E-09	4.47E-10	8.89E-09
18	470147.62	3819206.68	2.15E-08	9.02E-08	8.12E-09	1.20E-07	1.79E-08	6.63E-08	5.83E-09	9.00E-08	2.03E-09	1.16E-08	1.39E-09	1.50E-08	1.84E-09	6.08E-09	4.19E-10	8.34E-09
19	470138.06	3819206.55	1.97E-08	8.28E-08	7.46E-09	1.10E-07	1.64E-08	6.08E-08	5.35E-09	8.26E-08	1.86E-09	1.07E-08	1.27E-09	1.38E-08	1.69E-09	5.58E-09	3.85E-10	7.66E-09
20	470128.5	3819206.41	1.76E-08	7.38E-08	6.65E-09	9.80E-08	1.46E-08	5.42E-08	4.77E-09	7.36E-08	1.66E-09	9.50E-09	1.13E-09	1.23E-08	1.51E-09	4.97E-09	3.43E-10	6.83E-09
21	470118.94	3819206.28	1.53E-08	6.43E-08	5.79E-09	8.53E-08	1.27E-08	4.72E-08	4.15E-09	6.41E-08	1.44E-09	8.27E-09	9.87E-10	1.07E-08	1.31E-09	4.33E-09	2.99E-10	5.94E-09
22	470109.37	3819206.14	1.31E-08	5.50E-08	4.96E-09	7.31E-08	1.09E-08	4.04E-08	3.56E-09	5.49E-08	1.24E-09	7.08E-09	8.45E-10	9.17E-09	1.12E-09	3.71E-09	2.56E-10	5.09E-09
23	470272.07	3819198.44	1.42E-08	5.96E-08	5.37E-09	7.92E-08	1.18E-08	4.38E-08	3.85E-09	5.95E-08	1.34E-09	7.68E-09	9.16E-10	9.93E-09	1.22E-09	4.02E-09	2.77E-10	5.52E-09
24	470262.51	3819198.3	1.55E-08	6.52E-08	5.87E-09	8.66E-08	1.29E-08	4.79E-08	4.22E-09	6.51E-08	1.47E-09	8.40E-09	1.00E-09	1.09E-08	1.33E-09	4.40E-09	3.03E-10	6.03E-09
25	470252.95	3819198.17	1.69E-08	7.09E-08	6.38E-09	9.41E-08	1.41E-08	5.21E-08	4.58E-09	7.07E-08	1.59E-09	9.12E-09	1.09E-09	1.18E-08	1.45E-09	4.78E-09	3.29E-10	6.56E-09
26	470243.39	3819198.03	1.81E-08	7.59E-08	6.83E-09	1.01E-07	1.50E-08	5.58E-08	4.90E-09	7.57E-08	1.71E-09	9.77E-09	1.17E-09	1.26E-08	1.55E-09	5.11E-09	3.53E-10	7.02E-09
27	470233.82	3819197.9	1.90E-08	7.99E-08	7.20E-09	1.06E-07	1.59E-08	5.87E-08	5.17E-09	7.98E-08	1.80E-09	1.03E-08	1.23E-09	1.33E-08	1.63E-09	5.39E-09	3.71E-10	7.39E-09
28	470224.26	3819197.76	1.98E-08	8.30E-08	7.47E-09	1.10E-07	1.65E-08	6.10E-08	5.36E-09	8.28E-08	1.87E-09	1.07E-08	1.27E-09	1.38E-08	1.70E-09	5.59E-09	3.86E-10	7.68E-09
29	470214.7	3819197.63	2.03E-08	8.51E-08	7.66E-09	1.13E-07	1.69E-08	6.25E-08	5.50E-09	8.49E-08	1.91E-09	1.10E-08	1.31E-09	1.42E-08	1.74E-09	5.73E-09	3.95E-10	7.87E-09
30	470205.14	3819197.49	2.05E-08	8.62E-08	7.76E-09	1.15E-07	1.71E-08	6.33E-08	5.57E-09	8.60E-08	1.94E-09	1.11E-08	1.32E-09	1.44E-08	1.76E-09	5.81E-09	4.01E-10	7.97E-09
31	470195.57	3819197.36	2.06E-08	8.65E-08	7.79E-09	1.15E-07	1.72E-08	6.35E-08	5.59E-09	8.63E-08	1.94E-09	1.11E-08	1.33E-09	1.44E-08	1.77E-09	5.83E-09	4.02E-10	8.00E-09
32	470186.01	3819197.22	2.04E-08	8.58E-08	7.73E-09	1.14E-07	1.70E-08	6.31E-08	5.55E-09	8.57E-08	1.93E-09	1.11E-08	1.32E-09	1.43E-08	1.75E-09	5.79E-09	3.99E-10	7.94E-09
33	470166.89	3819196.95	1.95E-08	8.19E-08	7.38E-09	1.09E-07	1.63E-08	6.02E-08	5.30E-09	8.18E-08	1.84E-09	1.05E-08	1.26E-09	1.36E-08	1.67E-09	5.52E-09	3.81E-10	7.58E-09
34	470157.33	3819196.82	1.87E-08	7.86E-08	7.08E-09	1.04E-07	1.56E-08	5.77E-08	5.08E-09	7.84E-08	1.77E-09	1.01E-08	1.21E-09	1.31E-08	1.61E-09	5.30E-09	3.65E-10	7.27E-09
35	470147.76	3819196.68	1.77E-08	7.42E-08	6.68E-09	9.85E-08	1.47E-08	5.45E-08	4.80E-09	7.40E-08	1.67E-09	9.55E-09	1.14E-09	1.24E-08	1.52E-09	5.00E-09	3.45E-10	6.86E-09
36	470138.2	3819196.55	1.64E-08	6.88E-08	6.19E-09	9.13E-08	1.36E-08	5.05E-08	4.45E-09	6.86E-08	1.55E-09	8.85E-09	1.06E-09	1.15E-08	1.41E-09	4.64E-09	3.20E-10	6.36E-09
37	470128.64	3819196.41	1.48E-08	6.23E-08	5.61E-09	8.28E-08	1.24E-08	4.58E-08	4.03E-09	6.22E-08	1.40E-09	8.02E-09	9.57E-10	1.04E-08	1.27E-09	4.20E-09	2.90E-10	5.76E-09
38	470119.08	3819196.28	1.32E-08	5.55E-08	5.00E-09	7.37E-08	1.10E-08	4.08E-08	3.59E-09	5.54E-08	1.25E-09	7.14E-09	8.52E-10	9.24E-09	1.13E-09	3.74E-09	2.58E-10	5.13E-09
39	470109.51	3819196.14	1.16E-08	4.87E-08	4.38E-09	6.47E-08	9.66E-09	3.58E-08	3.15E-09	4.86E-08	1.09E-09	6.27E-09	7.48E-10	8.11E-09	9.95E-10	3.28E-09	2.26E-10	4.50E-09
40	470320.39	3819212.46	9.98E-09	4.19E-08	3.78E-09	5.57E-08	8.32E-09	3.08E-08	2.71E-09	4.18E-08	9.43E-10	5.40E-09	6.44E-10	6.98E-09	8.57E-10	2.83E-09	1.95E-10	3.88E-09
41	470272.21	3819188.44	1.18E-08	4.96E-08	4.47E-09	6.59E-08	9.83E-09	3.64E-08	3.20E-09	4.95E-08	1.11E-09	6.38E-09	7.62E-10	8.26E-09	1.01E-09	3.34E-09	2.30E-10	4.59E-09
42	470262.65	3819188.3	1.28E-08	5.39E-08	4.85E-09	7.16E-08	1.07E-08	3.96E-08	3.48E-09	5.38E-08	1.21E-09	6.94E-09	8.28E-10	8.98E-09	1.10E-09	3.63E-09	2.50E-10	4.98E-09
43	470253.09	3819188.17	1.39E-08	5.83E-08	5.25E-09	7.74E-08	1.16E-08	4.28E-08	3.77E-09	5.81E-08	1.31E-09	7.50E-09	8.95E-10	9.70E-09	1.19E-09	3.93E-09	2.71E-10	5.39E-09
44	470243.53	3819188.03	1.48E-08	6.22E-08	5.60E-09	8.27E-08	1.23E-08	4.57E-08	4.02E-09	6.21E-08	1.40E-09	8.01E-09	9.56E-10	1.04E-08	1.27E-09	4.19E-09	2.89E-10	5.76E-09
45	470233.96	3819187.9	1.56E-08	6.56E-08	5.91E-09	8.71E-08	1.30E-08	4.82E-08	4.24E-09	6.54E-08	1.47E-09	8.44E-09	1.01E-09	1.09E-08	1.34E-09	4.42E-09	3.05E-10	6.06E-09
46	470224.4	3819187.76	1.62E-08	6.82E-08	6.14E-09	9.05E-08	1.35E-08	5.01E-08	4.41E-09	6.80E-08	1.53E-09	8.78E-09	1.05E-09	1.14E-08	1.39E-09	4.59E-09	3.17E-10	6.31E-09

47	470214.84	3819187.63	1.67E-08	7.00E-08	6.31E-09	9.30E-08	1.39E-08	5.15E-08	4.53E-09	6.99E-08	1.57E-09	9.02E-09	1.08E-09	1.17E-08	1.43E-09	4.72E-09	3.25E-10	6.48E-09
48	470205.28	3819187.49	1.69E-08	7.12E-08	6.41E-09	9.45E-08	1.41E-08	5.23E-08	4.60E-09	7.10E-08	1.60E-09	9.16E-09	1.09E-09	1.19E-08	1.45E-09	4.80E-09	3.31E-10	6.58E-09
49	470195.72	3819187.36	1.70E-08	7.16E-08	6.44E-09	9.50E-08	1.42E-08	5.26E-08	4.63E-09	7.14E-08	1.61E-09	9.21E-09	1.10E-09	1.19E-08	1.46E-09	4.82E-09	3.33E-10	6.62E-09
50	470186.15	3819187.22	1.70E-08	7.12E-08	6.42E-09	9.46E-08	1.41E-08	5.23E-08	4.60E-09	7.11E-08	1.60E-09	9.17E-09	1.09E-09	1.19E-08	1.46E-09	4.80E-09	3.31E-10	6.59E-09
51	470167.03	3819186.95	1.63E-08	6.84E-08	6.16E-09	9.08E-08	1.36E-08	5.02E-08	4.42E-09	6.82E-08	1.54E-09	8.80E-09	1.05E-09	1.14E-08	1.40E-09	4.61E-09	3.18E-10	6.32E-09
52	470157.47	3819186.82	1.57E-08	6.57E-08	5.92E-09	8.73E-08	1.30E-08	4.83E-08	4.25E-09	6.56E-08	1.48E-09	8.46E-09	1.01E-09	1.10E-08	1.34E-09	4.43E-09	3.05E-10	6.08E-09
53	470147.9	3819186.68	1.48E-08	6.24E-08	5.62E-09	8.28E-08	1.24E-08	4.58E-08	4.03E-09	6.22E-08	1.40E-09	8.03E-09	9.58E-10	1.04E-08	1.27E-09	4.20E-09	2.90E-10	5.77E-09
54	470138.34	3819186.55	1.39E-08	5.83E-08	5.25E-09	7.74E-08	1.16E-08	4.28E-08	3.77E-09	5.81E-08	1.31E-09	7.50E-09	8.95E-10	9.70E-09	1.19E-09	3.93E-09	2.71E-10	5.39E-09
55	470128.78	3819186.41	1.27E-08	5.35E-08	4.82E-09	7.11E-08	1.06E-08	3.93E-08	3.46E-09	5.34E-08	1.20E-09	6.89E-09	8.22E-10	8.91E-09	1.09E-09	3.61E-09	2.49E-10	4.95E-09
56	470119.22	3819186.28	1.15E-08	4.85E-08	4.36E-09	6.44E-08	9.61E-09	3.56E-08	3.13E-09	4.83E-08	1.09E-09	6.24E-09	7.44E-10	8.07E-09	9.91E-10	3.27E-09	2.25E-10	4.48E-09
57	470109.66	3819186.14	1.03E-08	4.33E-08	3.90E-09	5.76E-08	8.60E-09	3.19E-08	2.80E-09	4.33E-08	9.75E-10	5.58E-09	6.66E-10	7.22E-09	8.86E-10	2.92E-09	2.01E-10	4.01E-09
58	470315.56	3819193.02	7.98E-09	3.35E-08	3.02E-09	4.45E-08	6.64E-09	2.46E-08	2.17E-09	3.34E-08	7.53E-10	4.31E-09	5.15E-10	5.58E-09	6.85E-10	2.26E-09	1.56E-10	3.10E-09
59	470327.39	3819205.12	8.33E-09	3.50E-08	3.15E-09	4.65E-08	6.94E-09	2.57E-08	2.26E-09	3.49E-08	7.87E-10	4.50E-09	5.37E-10	5.83E-09	7.15E-10	2.36E-09	1.63E-10	3.24E-09
60	470330.81	3819213.61	9.04E-09	3.79E-08	3.42E-09	5.04E-08	7.53E-09	2.79E-08	2.45E-09	3.79E-08	8.53E-10	4.89E-09	5.83E-10	6.32E-09	7.76E-10	2.56E-09	1.76E-10	3.51E-09
61	470272.35	3819178.44	1.00E-08	4.21E-08	3.79E-09	5.59E-08	8.35E-09	3.09E-08	2.72E-09	4.20E-08	9.46E-10	5.42E-09	6.46E-10	7.01E-09	8.60E-10	2.84E-09	1.96E-10	3.89E-09
62	470262.79	3819178.31	1.09E-08	4.56E-08	4.11E-09	6.06E-08	9.04E-09	3.35E-08	2.95E-09	4.55E-08	1.03E-09	5.87E-09	7.00E-10	7.60E-09	9.32E-10	3.07E-09	2.12E-10	4.22E-09
63	470253.23	3819178.17	1.17E-08	4.91E-08	4.42E-09	6.52E-08	9.73E-09	3.61E-08	3.17E-09	4.90E-08	1.10E-09	6.32E-09	7.54E-10	8.17E-09	1.00E-09	3.31E-09	2.28E-10	4.54E-09
64	470243.67	3819178.04	1.24E-08	5.23E-08	4.71E-09	6.94E-08	1.04E-08	3.84E-08	3.38E-09	5.21E-08	1.18E-09	6.73E-09	8.03E-10	8.71E-09	1.07E-09	3.52E-09	2.43E-10	4.83E-09
65	470234.11	3819177.9	1.31E-08	5.50E-08	4.95E-09	7.31E-08	1.09E-08	4.04E-08	3.56E-09	5.49E-08	1.24E-09	7.08E-09	8.45E-10	9.16E-09	1.12E-09	3.71E-09	2.56E-10	5.09E-09
66	470224.54	3819177.77	1.36E-08	5.72E-08	5.15E-09	7.60E-08	1.13E-08	4.20E-08	3.70E-09	5.71E-08	1.29E-09	7.37E-09	8.79E-10	9.53E-09	1.17E-09	3.86E-09	2.66E-10	5.29E-09
67	470214.98	3819177.63	1.40E-08	5.89E-08	5.30E-09	7.82E-08	1.17E-08	4.32E-08	3.80E-09	5.87E-08	1.32E-09	7.58E-09	9.04E-10	9.80E-09	1.20E-09	3.97E-09	2.73E-10	5.44E-09
68	470205.42	3819177.5	1.43E-08	5.99E-08	5.40E-09	7.96E-08	1.19E-08	4.40E-08	3.87E-09	5.98E-08	1.35E-09	7.71E-09	9.20E-10	9.98E-09	1.22E-09	4.04E-09	2.78E-10	5.54E-09
69	470195.86	3819177.36	1.44E-08	6.04E-08	5.44E-09	8.02E-08	1.20E-08	4.44E-08	3.90E-09	6.02E-08	1.36E-09	7.77E-09	9.27E-10	1.01E-08	1.23E-09	4.07E-09	2.81E-10	5.58E-09
70	470186.29	3819177.23	1.43E-08	6.03E-08	5.43E-09	8.00E-08	1.20E-08	4.43E-08	3.89E-09	6.01E-08	1.35E-09	7.76E-09	9.25E-10	1.00E-08	1.23E-09	4.06E-09	2.80E-10	5.57E-09
71	470167.17	3819176.96	1.38E-08	5.81E-08	5.23E-09	7.72E-08	1.15E-08	4.27E-08	3.76E-09	5.80E-08	1.31E-09	7.48E-09	8.93E-10	9.68E-09	1.19E-09	3.92E-09	2.70E-10	5.38E-09
72	470157.61	3819176.82	1.33E-08	5.61E-08	5.05E-09	7.44E-08	1.11E-08	4.12E-08	3.62E-09	5.59E-08	1.26E-09	7.22E-09	8.61E-10	9.34E-09	1.15E-09	3.78E-09	2.60E-10	5.18E-09
73	470148.05	3819176.69	1.27E-08	5.34E-08	4.81E-09	7.09E-08	1.06E-08	3.92E-08	3.45E-09	5.33E-08	1.20E-09	6.87E-09	8.20E-10	8.89E-09	1.09E-09	3.60E-09	2.48E-10	4.94E-09
74	470138.48	3819176.55	1.20E-08	5.02E-08	4.52E-09	6.67E-08	9.96E-09	3.69E-08	3.25E-09	5.01E-08	1.13E-09	6.46E-09	7.71E-10	8.36E-09	1.03E-09	3.38E-09	2.33E-10	4.64E-09
75	470128.92	3819176.42	1.11E-08	4.66E-08	4.20E-09	6.19E-08	9.25E-09	3.43E-08	3.01E-09	4.65E-08	1.05E-09	6.00E-09	7.16E-10	7.77E-09	9.53E-10	3.14E-09	2.17E-10	4.31E-09
76	470119.36	3819176.28	1.02E-08	4.28E-08	3.85E-09	5.68E-08	8.48E-09	3.14E-08	2.77E-09	4.27E-08	9.62E-10	5.51E-09	6.57E-10	7.13E-09	8.74E-10	2.88E-09	1.99E-10	3.96E-09
77	470109.8	3819176.15	9.25E-09	3.88E-08	3.50E-09	5.16E-08	7.70E-09	2.85E-08	2.51E-09	3.87E-08	8.73E-10	5.00E-09	5.96E-10	6.47E-09	7.94E-10	2.62E-09	1.80E-10	3.59E-09
78	470322.95	3819186.13	6.79E-09	2.85E-08	2.57E-09	3.79E-08	5.65E-09	2.09E-08	1.84E-09	2.84E-08	6.41E-10	3.67E-09	4.38E-10	4.75E-09	5.83E-10	1.92E-09	1.32E-10	2.64E-09
79	470334.45	3819197.89	7.06E-09	2.97E-08	2.67E-09	3.94E-08	5.88E-09	2.18E-08	1.92E-09	2.96E-08	6.67E-10	3.82E-09	4.56E-10	4.94E-09	6.06E-10	2.00E-09	1.38E-10	2.74E-09
80	470341.1	3819214.4	8.20E-09	3.44E-08	3.10E-09	4.57E-08	6.83E-09	2.53E-08	2.23E-09	3.44E-08	7.74E-10	4.43E-09	5.29E-10	5.74E-09	7.04E-10	2.32E-09	1.60E-10	3.18E-09
81	470272.5	3819168.44	8.64E-09	3.63E-08	3.27E-09	4.82E-08	7.20E-09	2.67E-08	2.35E-09	3.62E-08	8.16E-10	4.67E-09	5.58E-10	6.05E-09	7.42E-10	2.45E-09	1.69E-10	3.36E-09
82	470262.93	3819168.31	9.34E-09	3.92E-08	3.53E-09	5.21E-08	7.78E-09	2.88E-08	2.54E-09	3.92E-08	8.82E-10	5.05E-09	6.03E-10	6.54E-09	8.02E-10	2.64E-09	1.82E-10	3.63E-09
83	470253.37	3819168.17	1.00E-08	4.21E-08	3.79E-09	5.59E-08	8.34E-09	3.09E-08	2.72E-09	4.20E-08	9.46E-10	5.41E-09	6.46E-10	7.01E-09	8.60E-10	2.84E-09	1.95E-10	3.89E-09
84	470243.81	3819168.04	1.06E-08	4.47E-08	4.02E-09	5.93E-08	8.86E-09	3.28E-08	2.89E-09	4.46E-08	1.00E-09	5.75E-09	6.86E-10	7.44E-09	9.13E-10	3.01E-09	2.08E-10	4.13E-09
85	470234.25	3819167.9	1.12E-08	4.70E-08	4.23E-09	6.24E-08	9.31E-09	3.45E-08	3.03E-09	4.68E-08	1.06E-09	6.04E-09	7.21E-10	7.82E-09	9.60E-10	3.16E-09	2.18E-10	4.34E-09
86	470224.68	3819167.77	1.16E-08	4.88E-08	4.40E-09	6.49E-08	9.69E-09	3.59E-08	3.16E-09	4.87E-08	1.10E-09	6.29E-09	7.50E-10	8.13E-09	9.98E-10	3.29E-09	2.27E-10	4.52E-09
87	470215.12	3819167.63	1.20E-08	5.03E-08	4.53E-09	6.68E-08	9.97E-09	3.69E-08	3.25E-09	5.02E-08	1.13E-09	6.47E-09	7.72E-10	8.37E-09	1.03E-09	3.39E-09	2.34E-10	4.65E-09
88	470205.56	3819167.5	1.22E-08	5.12E-08	4.61E-09	6.81E-08	1.02E-08	3.77E-08	3.31E-09	5.11E-08	1.15E-09	6.60E-09	7.87E-10	8.53E-09	1.05E-09	3.45E-09	2.38E-10	4.74E-09
89	470196	3819167.36	1.23E-08	5.17E-08	4.66E-09	6.87E-08	1.03E-08	3.80E-08	3.34E-09	5.16E-08	1.16E-09	6.66E-09	7.94E-10	8.61E-09	1.06E-09	3.49E-09	2.40E-10	4.78E-09
90	470186.44	3819167.23	1.23E-08	5.17E-08	4.66E-09	6.87E-08	1.03E-08	3.80E-08	3.34E-09	5.16E-08	1.16E-09	6.66E-09	7.94E-10	8.61E-09	1.06E-09	3.49E-09	2.40E-10	4.78E-09
91	470167.31	3819166.96	1.19E-08	5.01E-08	4.51E-09	6.66E-08	9.94E-09	3.68E-08	3.24E-09	5.00E-08	1.13E-09	6.45E-09	7.70E-10	8.35E-09	1.02E-09	3.38E-09	2.33E-10	4.64E-09
92	470157.75	3819166.82	1.15E-08	4.85E-08	4.36E-09	6.44E-08	9.61E-09	3.56E-08	3.13E-09	4.84E-08	1.09E-09	6.24E-09	7.44E-10	8.07E-09	9.91E-10	3.27E-09	2.25E-10	4.48E-09
93	470148.19	3819166.69	1.10E-08	4.63E-08	4.17E-09	6.16E-08	9.19E-09	3.41E-08	3.00E-09	4.62E-08	1.04E-09	5.97E-09	7.12E-10	7.72E-09	9.47E-10	3.12E-09	2.15E-10	4.29E-09
94	470138.62	3819166.55	1.04E-08	4.38E-08	3.95E-09	5.82E-08	8.69E-09	3.22E-08	2.83E-09	4.37E-08	9.85E-10	5.64E-09	6.73E-10	7.30E-09	8.96E-10	2.95E-09	2.04E-10	4.05E-09
95	470129.06	3819166.42	9.78E-09	4.11E-08	3.70E-09	5.45E-08	8.15E-09	3.02E-08	2.65E-09	4.10E-08	9.23E-10	5.29E-09	6.31E-10	6.84E-09	8.40E-10	2.77E-09	1.91E-10	3.80E-09
96	470119.5	3819166.28	9.07E-09	3.81E-08	3.43E-09	5.06E-08	7.55E-09	2.80E-08	2.46E-09	3.80E-08	8.56E-10	4.90E-09	5.85E-10	6.34E-09	7.78E-10	2.57E-09	1.77E-10	3.52E-09

97	470109.94	3819166.15	8.33E-09	3.50E-08	3.15E-09	4.65E-08	6.94E-09	2.57E-08	2.26E-09	3.49E-08	7.87E-10	4.50E-09	5.37E-10	5.83E-09	7.15E-10	2.36E-09	1.63E-10	3.24E-09
98	470322.25	3819175.77	6.03E-09	2.53E-08	2.28E-09	3.37E-08	5.03E-09	1.86E-08	1.64E-09	2.53E-08	5.70E-10	3.26E-09	3.89E-10	4.22E-09	5.18E-10	1.71E-09	1.18E-10	2.34E-09
99	470341.53	3819190.73	6.07E-09	2.55E-08	2.30E-09	3.38E-08	5.05E-09	1.87E-08	1.65E-09	2.54E-08	5.73E-10	3.28E-09	3.91E-10	4.25E-09	5.21E-10	1.72E-09	1.18E-10	2.36E-09
100	470348.04	3819206.91	6.97E-09	2.93E-08	2.64E-09	3.89E-08	5.81E-09	2.15E-08	1.89E-09	2.92E-08	6.58E-10	3.77E-09	4.50E-10	4.88E-09	5.99E-10	1.97E-09	1.36E-10	2.71E-09
101	470272.64	3819158.44	7.58E-09	3.18E-08	2.87E-09	4.23E-08	6.31E-09	2.34E-08	2.06E-09	3.17E-08	7.15E-10	4.10E-09	4.89E-10	5.30E-09	6.50E-10	2.14E-09	1.48E-10	2.94E-09
102	470263.07	3819158.31	8.15E-09	3.42E-08	3.08E-09	4.55E-08	6.79E-09	2.52E-08	2.21E-09	3.42E-08	7.70E-10	4.41E-09	5.26E-10	5.70E-09	7.00E-10	2.31E-09	1.59E-10	3.17E-09
103	470253.51	3819158.17	8.71E-09	3.66E-08	3.29E-09	4.86E-08	7.25E-09	2.69E-08	2.36E-09	3.65E-08	8.22E-10	4.71E-09	5.62E-10	6.09E-09	7.48E-10	2.47E-09	1.70E-10	3.38E-09
104	470243.95	3819158.04	9.22E-09	3.87E-08	3.49E-09	5.15E-08	7.68E-09	2.85E-08	2.50E-09	3.87E-08	8.71E-10	4.99E-09	5.95E-10	6.45E-09	7.92E-10	2.61E-09	1.80E-10	3.58E-09
105	470234.39	3819157.9	9.68E-09	4.06E-08	3.66E-09	5.40E-08	8.06E-09	2.99E-08	2.63E-09	4.06E-08	9.14E-10	5.23E-09	6.24E-10	6.77E-09	8.31E-10	2.74E-09	1.89E-10	3.76E-09
106	470224.83	3819157.77	1.01E-08	4.22E-08	3.80E-09	5.61E-08	8.37E-09	3.10E-08	2.73E-09	4.21E-08	9.49E-10	5.44E-09	6.49E-10	7.03E-09	8.63E-10	2.85E-09	1.96E-10	3.91E-09
107	470215.26	3819157.63	1.03E-08	4.34E-08	3.91E-09	5.77E-08	8.61E-09	3.19E-08	2.81E-09	4.33E-08	9.76E-10	5.59E-09	6.67E-10	7.23E-09	8.88E-10	2.93E-09	2.02E-10	4.02E-09
108	470205.7	3819157.5	1.05E-08	4.43E-08	3.99E-09	5.88E-08	8.78E-09	3.25E-08	2.86E-09	4.42E-08	9.95E-10	5.70E-09	6.80E-10	7.37E-09	9.05E-10	2.98E-09	2.06E-10	4.09E-09
109	470196.14	3819157.36	1.06E-08	4.47E-08	4.03E-09	5.94E-08	8.87E-09	3.28E-08	2.89E-09	4.46E-08	1.01E-09	5.75E-09	6.87E-10	7.45E-09	9.14E-10	3.01E-09	2.08E-10	4.13E-09
110	470186.58	3819157.23	1.07E-08	4.48E-08	4.03E-09	5.95E-08	8.88E-09	3.29E-08	2.89E-09	4.47E-08	1.01E-09	5.76E-09	6.88E-10	7.46E-09	9.15E-10	3.02E-09	2.08E-10	4.14E-09
111	470167.45	3819156.96	1.04E-08	4.36E-08	3.93E-09	5.79E-08	8.65E-09	3.21E-08	2.82E-09	4.35E-08	9.81E-10	5.62E-09	6.70E-10	7.27E-09	8.92E-10	2.94E-09	2.03E-10	4.03E-09
112	470157.89	3819156.82	1.01E-08	4.24E-08	3.81E-09	5.63E-08	8.40E-09	3.11E-08	2.74E-09	4.23E-08	9.52E-10	5.45E-09	6.51E-10	7.06E-09	8.66E-10	2.86E-09	1.97E-10	3.92E-09
113	470148.33	3819156.69	9.70E-09	4.07E-08	3.67E-09	5.41E-08	8.08E-09	2.99E-08	2.63E-09	4.06E-08	9.16E-10	5.24E-09	6.25E-10	6.78E-09	8.32E-10	2.74E-09	1.89E-10	3.77E-09
114	470138.77	3819156.55	9.23E-09	3.87E-08	3.49E-09	5.15E-08	7.68E-09	2.85E-08	2.50E-09	3.87E-08	8.71E-10	4.99E-09	5.95E-10	6.45E-09	7.92E-10	2.61E-09	1.80E-10	3.58E-09
115	470129.2	3819156.42	8.70E-09	3.66E-08	3.29E-09	4.85E-08	7.25E-09	2.69E-08	2.36E-09	3.65E-08	8.22E-10	4.71E-09	5.61E-10	6.09E-09	7.47E-10	2.46E-09	1.70E-10	3.38E-09
116	470119.64	3819156.28	8.13E-09	3.42E-08	3.08E-09	4.54E-08	6.78E-09	2.51E-08	2.21E-09	3.41E-08	7.68E-10	4.40E-09	5.25E-10	5.69E-09	6.98E-10	2.30E-09	1.59E-10	3.16E-09
117	470110.08	3819156.15	7.54E-09	3.17E-08	2.85E-09	4.20E-08	6.28E-09	2.33E-08	2.05E-09	3.16E-08	7.12E-10	4.08E-09	4.86E-10	5.27E-09	6.47E-10	2.13E-09	1.47E-10	2.93E-09
118	470321.77	3819165.5	5.40E-09	2.27E-08	2.04E-09	3.01E-08	4.50E-09	1.67E-08	1.47E-09	2.26E-08	5.10E-10	2.92E-09	3.49E-10	3.78E-09	4.64E-10	1.53E-09	1.05E-10	2.10E-09
119	470337.54	3819172.27	5.09E-09	2.14E-08	1.92E-09	2.84E-08	4.24E-09	1.57E-08	1.38E-09	2.13E-08	4.80E-10	2.75E-09	3.28E-10	3.56E-09	4.37E-10	1.44E-09	9.93E-11	1.98E-09
120	470348.63	3819183.62	5.27E-09	2.21E-08	1.99E-09	2.94E-08	4.39E-09	1.63E-08	1.43E-09	2.21E-08	4.98E-10	2.85E-09	3.40E-10	3.69E-09	4.52E-10	1.49E-09	1.03E-10	2.05E-09
121	470355.04	3819199.54	6.00E-09	2.52E-08	2.27E-09	3.35E-08	5.00E-09	1.85E-08	1.63E-09	2.51E-08	5.67E-10	3.24E-09	3.87E-10	4.20E-09	5.15E-10	1.70E-09	1.17E-10	2.33E-09
122	470361.45	3819215.46	6.84E-09	2.87E-08	2.59E-09	3.81E-08	5.69E-09	2.11E-08	1.86E-09	2.86E-08	6.46E-10	3.70E-09	4.41E-10	4.78E-09	5.87E-10	1.94E-09	1.33E-10	2.66E-09
123	470272.78	3819148.44	6.71E-09	2.82E-08	2.54E-09	3.74E-08	5.59E-09	2.07E-08	1.82E-09	2.81E-08	6.34E-10	3.63E-09	4.33E-10	4.70E-09	5.76E-10	1.90E-09	1.31E-10	2.61E-09
124	470263.22	3819148.31	7.20E-09	3.02E-08	2.72E-09	4.01E-08	5.99E-09	2.22E-08	1.95E-09	3.01E-08	6.79E-10	3.89E-09	4.64E-10	5.03E-09	6.18E-10	2.04E-09	1.40E-10	2.79E-09
125	470253.65	3819148.17	7.66E-09	3.22E-08	2.90E-09	4.27E-08	6.38E-09	2.36E-08	2.08E-09	3.21E-08	7.23E-10	4.14E-09	4.94E-10	5.36E-09	6.58E-10	2.17E-09	1.49E-10	2.98E-09
126	470244.09	3819148.04	8.09E-09	3.40E-08	3.06E-09	4.51E-08	6.74E-09	2.50E-08	2.20E-09	3.39E-08	7.64E-10	4.37E-09	5.22E-10	5.66E-09	6.95E-10	2.29E-09	1.58E-10	3.14E-09
127	470234.53	3819147.9	8.48E-09	3.56E-08	3.21E-09	4.73E-08	7.06E-09	2.62E-08	2.30E-09	3.55E-08	8.01E-10	4.58E-09	5.47E-10	5.93E-09	7.28E-10	2.40E-09	1.65E-10	3.29E-09
128	470224.97	3819147.77	8.79E-09	3.69E-08	3.33E-09	4.90E-08	7.32E-09	2.71E-08	2.39E-09	3.68E-08	8.30E-10	4.75E-09	5.67E-10	6.15E-09	7.55E-10	2.49E-09	1.72E-10	3.42E-09
129	470215.4	3819147.63	9.03E-09	3.79E-08	3.42E-09	5.04E-08	7.52E-09	2.79E-08	2.45E-09	3.78E-08	8.53E-10	4.88E-09	5.83E-10	6.32E-09	7.75E-10	2.56E-09	1.76E-10	3.51E-09
130	470205.84	3819147.5	9.20E-09	3.86E-08	3.48E-09	5.13E-08	7.66E-09	2.84E-08	2.50E-09	3.86E-08	8.69E-10	4.97E-09	5.93E-10	6.44E-09	7.90E-10	2.60E-09	1.80E-10	3.57E-09
131	470196.28	3819147.36	9.30E-09	3.90E-08	3.52E-09	5.19E-08	7.74E-09	2.87E-08	2.52E-09	3.90E-08	8.78E-10	5.03E-09	6.00E-10	6.50E-09	7.98E-10	2.63E-09	1.81E-10	3.61E-09
132	470186.72	3819147.23	9.32E-09	3.92E-08	3.53E-09	5.20E-08	7.77E-09	2.88E-08	2.53E-09	3.91E-08	8.80E-10	5.04E-09	6.01E-10	6.52E-09	8.00E-10	2.64E-09	1.82E-10	3.62E-09
133	470158.03	3819146.82	8.90E-09	3.74E-08	3.36E-09	4.96E-08	7.41E-09	2.75E-08	2.42E-09	3.73E-08	8.40E-10	4.81E-09	5.74E-10	6.22E-09	7.64E-10	2.52E-09	1.74E-10	3.46E-09
134	470148.47	3819146.69	8.59E-09	3.61E-08	3.25E-09	4.79E-08	7.16E-09	2.65E-08	2.33E-09	3.60E-08	8.11E-10	4.65E-09	5.54E-10	6.01E-09	7.38E-10	2.43E-09	1.68E-10	3.34E-09
135	470138.91	3819146.55	8.22E-09	3.45E-08	3.11E-09	4.59E-08	6.85E-09	2.54E-08	2.23E-09	3.44E-08	7.76E-10	4.44E-09	5.30E-10	5.75E-09	7.06E-10	2.33E-09	1.60E-10	3.19E-09
136	470129.34	3819146.42	7.80E-09	3.28E-08	2.95E-09	4.35E-08	6.50E-09	2.41E-08	2.12E-09	3.27E-08	7.37E-10	4.22E-09	5.03E-10	5.46E-09	6.70E-10	2.21E-09	1.52E-10	3.03E-09
137	470119.78	3819146.28	7.34E-09	3.08E-08	2.78E-09	4.09E-08	6.11E-09	2.26E-08	1.99E-09	3.08E-08	6.93E-10	3.97E-09	4.73E-10	5.13E-09	6.30E-10	2.08E-09	1.43E-10	2.85E-09
138	470110.22	3819146.15	6.85E-09	2.88E-08	2.59E-09	3.82E-08	5.71E-09	2.11E-08	1.86E-09	2.87E-08	6.47E-10	3.70E-09	4.42E-10	4.79E-09	5.88E-10	1.94E-09	1.34E-10	2.66E-09
139	470317.53	3819153.62	4.95E-09	2.08E-08	1.87E-09	2.76E-08	4.12E-09	1.53E-08	1.34E-09	2.07E-08	4.68E-10	2.68E-09	3.19E-10	3.46E-09	4.25E-10	1.40E-09	9.66E-11	1.92E-09
140	470326.29	3819157.38	4.78E-09	2.01E-08	1.81E-09	2.67E-08	3.98E-09	1.48E-08	1.30E-09	2.00E-08	4.51E-10	2.58E-09	3.08E-10	3.34E-09	4.10E-10	1.35E-09	9.33E-11	1.86E-09
141	470335.05	3819161.14	4.62E-09	1.94E-08	1.75E-09	2.58E-08	3.85E-09	1.43E-08	1.25E-09	1.94E-08	4.36E-10	2.50E-09	2.98E-10	3.23E-09	3.97E-10	1.31E-09	9.02E-11	1.80E-09
142	470343.82	3819164.91	4.48E-09	1.88E-08	1.69E-09	2.50E-08	3.73E-09	1.38E-08	1.22E-09	1.88E-08	4.23E-10	2.42E-09	2.89E-10	3.13E-09	3.85E-10	1.27E-09	8.74E-11	1.74E-09
143	470356.14	3819177.51	4.65E-09	1.95E-08	1.76E-09	2.59E-08	3.87E-09	1.43E-08	1.26E-09	1.95E-08	4.39E-10	2.51E-09	3.00E-10	3.25E-09	3.99E-10	1.32E-09	9.07E-11	1.81E-09
144	470359.7	3819186.36	4.98E-09	2.09E-08	1.88E-09	2.78E-08	4.15E-09	1.54E-08	1.35E-09	2.09E-08	4.70E-10	2.69E-09	3.21E-10	3.48E-09	4.27E-10	1.41E-09	9.71E-11	1.93E-09
145	470363.26	3819195.2	5.34E-09	2.24E-08	2.02E-09	2.98E-08	4.45E-09	1.65E-08	1.45E-09	2.24E-08	5.04E-10	2.89E-09	3.44E-10	3.74E-09	4.58E-10	1.51E-09	1.04E-10	2.07E-09
146	470366.82	3819204.05	5.73E-09	2.41E-08	2.17E-09	3.20E-08	4.77E-09	1.77E-08	1.56E-09	2.40E-08	5.41E-10	3.10E-09	3.70E-10	4.01E-09	4.92E-10	1.62E-09	1.12E-10	2.23E-09

147	470370.38	3819212.89	6.14E-09	2.58E-08	2.32E-09	3.43E-08	5.12E-09	1.90E-08	1.67E-09	2.57E-08	5.80E-10	3.32E-09	3.96E-10	4.30E-09	5.27E-10	1.74E-09	1.20E-10	2.39E-09
148	470272.92	3819138.44	6.00E-09	2.52E-08	2.27E-09	3.35E-08	5.00E-09	1.85E-08	1.63E-09	2.52E-08	5.67E-10	3.24E-09	3.87E-10	4.20E-09	5.15E-10	1.70E-09	1.17E-10	2.33E-09
149	470263.36	3819138.31	6.41E-09	2.69E-08	2.42E-09	3.57E-08	5.34E-09	1.98E-08	1.74E-09	2.69E-08	6.05E-10	3.46E-09	4.13E-10	4.48E-09	5.50E-10	1.81E-09	1.25E-10	2.49E-09
150	470253.79	3819138.17	6.80E-09	2.86E-08	2.57E-09	3.79E-08	5.67E-09	2.10E-08	1.85E-09	2.85E-08	6.42E-10	3.68E-09	4.39E-10	4.76E-09	5.84E-10	1.93E-09	1.33E-10	2.64E-09
151	470244.23	3819138.04	7.17E-09	3.01E-08	2.71E-09	4.00E-08	5.97E-09	2.21E-08	1.95E-09	3.00E-08	6.77E-10	3.88E-09	4.62E-10	5.01E-09	6.15E-10	2.03E-09	1.40E-10	2.78E-09
152	470234.67	3819137.9	7.50E-09	3.15E-08	2.84E-09	4.18E-08	6.24E-09	2.31E-08	2.04E-09	3.14E-08	7.08E-10	4.05E-09	4.84E-10	5.24E-09	6.44E-10	2.12E-09	1.46E-10	2.91E-09
153	470225.11	3819137.77	7.76E-09	3.26E-08	2.94E-09	4.33E-08	6.47E-09	2.40E-08	2.11E-09	3.25E-08	7.33E-10	4.20E-09	5.01E-10	5.43E-09	6.67E-10	2.20E-09	1.52E-10	3.02E-09
154	470215.55	3819137.63	7.96E-09	3.34E-08	3.01E-09	4.44E-08	6.63E-09	2.46E-08	2.16E-09	3.34E-08	7.52E-10	4.31E-09	5.14E-10	5.57E-09	6.84E-10	2.25E-09	1.55E-10	3.09E-09
155	470205.98	3819137.5	8.11E-09	3.40E-08	3.07E-09	4.52E-08	6.75E-09	2.50E-08	2.20E-09	3.40E-08	7.66E-10	4.38E-09	5.23E-10	5.67E-09	6.96E-10	2.29E-09	1.58E-10	3.15E-09
156	470196.42	3819137.36	8.19E-09	3.44E-08	3.10E-09	4.57E-08	6.82E-09	2.53E-08	2.22E-09	3.43E-08	7.74E-10	4.43E-09	5.28E-10	5.73E-09	7.03E-10	2.32E-09	1.60E-10	3.18E-09
157	470186.86	3819137.23	8.23E-09	3.46E-08	3.11E-09	4.59E-08	6.85E-09	2.54E-08	2.23E-09	3.45E-08	7.77E-10	4.45E-09	5.31E-10	5.76E-09	7.06E-10	2.33E-09	1.61E-10	3.20E-09
158	470158.17	3819136.82	7.91E-09	3.32E-08	2.99E-09	4.41E-08	6.59E-09	2.44E-08	2.15E-09	3.31E-08	7.47E-10	4.28E-09	5.10E-10	5.53E-09	6.79E-10	2.24E-09	1.54E-10	3.07E-09
159	470148.61	3819136.69	7.67E-09	3.22E-08	2.90E-09	4.28E-08	6.39E-09	2.37E-08	2.08E-09	3.21E-08	7.24E-10	4.15E-09	4.95E-10	5.37E-09	6.59E-10	2.17E-09	1.50E-10	2.98E-09
160	470139.05	3819136.55	7.38E-09	3.10E-08	2.79E-09	4.11E-08	6.14E-09	2.28E-08	2.00E-09	3.09E-08	6.96E-10	3.99E-09	4.76E-10	5.16E-09	6.33E-10	2.09E-09	1.44E-10	2.86E-09
161	470129.49	3819136.42	7.03E-09	2.95E-08	2.66E-09	3.92E-08	5.86E-09	2.17E-08	1.91E-09	2.95E-08	6.64E-10	3.80E-09	4.54E-10	4.92E-09	6.04E-10	1.99E-09	1.37E-10	2.73E-09
162	470119.92	3819136.28	6.65E-09	2.79E-08	2.52E-09	3.71E-08	5.54E-09	2.05E-08	1.81E-09	2.79E-08	6.28E-10	3.60E-09	4.29E-10	4.65E-09	5.71E-10	1.88E-09	1.30E-10	2.58E-09
163	470110.36	3819136.15	6.25E-09	2.63E-08	2.36E-09	3.49E-08	5.21E-09	1.93E-08	1.70E-09	2.62E-08	5.90E-10	3.38E-09	4.03E-10	4.37E-09	5.37E-10	1.77E-09	1.22E-10	2.43E-09
164	470316.41	3819133.02	4.11E-09	1.73E-08	1.56E-09	2.29E-08	3.43E-09	1.27E-08	1.12E-09	1.72E-08	3.88E-10	2.22E-09	2.65E-10	2.88E-09	3.53E-10	1.16E-09	8.03E-11	1.60E-09
165	470324.82	3819136.63	3.98E-09	1.67E-08	1.50E-09	2.22E-08	3.31E-09	1.23E-08	1.08E-09	1.67E-08	3.76E-10	2.15E-09	2.57E-10	2.78E-09	3.42E-10	1.13E-09	7.76E-11	1.55E-09
166	470333.23	3819140.24	3.85E-09	1.62E-08	1.46E-09	2.15E-08	3.21E-09	1.19E-08	1.05E-09	1.61E-08	3.64E-10	2.08E-09	2.48E-10	2.69E-09	3.31E-10	1.09E-09	7.51E-11	1.50E-09
167	470341.65	3819143.85	3.73E-09	1.57E-08	1.41E-09	2.08E-08	3.11E-09	1.15E-08	1.01E-09	1.56E-08	3.52E-10	2.02E-09	2.41E-10	2.61E-09	3.20E-10	1.06E-09	7.28E-11	1.45E-09
168	470350.06	3819147.46	3.62E-09	1.52E-08	1.37E-09	2.02E-08	3.02E-09	1.12E-08	9.84E-10	1.52E-08	3.42E-10	1.96E-09	2.34E-10	2.53E-09	3.11E-10	1.03E-09	7.07E-11	1.41E-09
169	470358.47	3819151.07	3.53E-09	1.48E-08	1.33E-09	1.97E-08	2.94E-09	1.09E-08	9.58E-10	1.48E-08	3.33E-10	1.91E-09	2.28E-10	2.47E-09	3.03E-10	9.99E-10	6.88E-11	1.37E-09
170	470370.3	3819163.18	3.64E-09	1.53E-08	1.38E-09	2.03E-08	3.04E-09	1.12E-08	9.89E-10	1.53E-08	3.44E-10	1.97E-09	2.35E-10	2.55E-09	3.13E-10	1.03E-09	7.11E-11	1.42E-09
171	470373.72	3819171.67	3.87E-09	1.62E-08	1.46E-09	2.16E-08	3.22E-09	1.19E-08	1.05E-09	1.62E-08	3.65E-10	2.09E-09	2.49E-10	2.71E-09	3.32E-10	1.09E-09	7.55E-11	1.50E-09
172	470377.14	3819180.16	4.11E-09	1.73E-08	1.56E-09	2.29E-08	3.43E-09	1.27E-08	1.12E-09	1.72E-08	3.88E-10	2.22E-09	2.65E-10	2.88E-09	3.53E-10	1.16E-09	8.02E-11	1.60E-09
173	470380.55	3819188.65	4.38E-09	1.84E-08	1.66E-09	2.44E-08	3.65E-09	1.35E-08	1.19E-09	1.84E-08	4.14E-10	2.37E-09	2.83E-10	3.06E-09	3.76E-10	1.24E-09	8.55E-11	1.70E-09
174	470383.97	3819197.14	4.67E-09	1.96E-08	1.77E-09	2.60E-08	3.89E-09	1.44E-08	1.27E-09	1.96E-08	4.41E-10	2.52E-09	3.01E-10	3.27E-09	4.01E-10	1.32E-09	9.11E-11	1.81E-09
175	470387.39	3819205.63	4.97E-09	2.09E-08	1.88E-09	2.77E-08	4.14E-09	1.53E-08	1.35E-09	2.08E-08	4.69E-10	2.69E-09	3.21E-10	3.48E-09	4.27E-10	1.41E-09	9.70E-11	1.93E-09
176	470273.2	3819118.45	4.90E-09	2.06E-08	1.85E-09	2.73E-08	4.08E-09	1.51E-08	1.33E-09	2.05E-08	4.63E-10	2.65E-09	3.16E-10	3.43E-09	4.21E-10	1.39E-09	9.56E-11	1.90E-09
177	470263.64	3819118.31	5.20E-09	2.18E-08	1.97E-09	2.90E-08	4.33E-09	1.60E-08	1.41E-09	2.18E-08	4.91E-10	2.81E-09	3.35E-10	3.64E-09	4.46E-10	1.47E-09	1.01E-10	2.02E-09
178	470254.08	3819118.18	5.49E-09	2.30E-08	2.07E-09	3.06E-08	4.57E-09	1.69E-08	1.49E-09	2.30E-08	5.18E-10	2.97E-09	3.54E-10	3.84E-09	4.71E-10	1.55E-09	1.07E-10	2.13E-09
179	470244.52	3819118.04	5.76E-09	2.42E-08	2.18E-09	3.21E-08	4.79E-09	1.78E-08	1.56E-09	2.41E-08	5.44E-10	3.11E-09	3.71E-10	4.03E-09	4.94E-10	1.63E-09	1.12E-10	2.24E-09
180	470234.95	3819117.91	6.00E-09	2.52E-08	2.27E-09	3.35E-08	5.00E-09	1.85E-08	1.63E-09	2.51E-08	5.67E-10	3.24E-09	3.87E-10	4.20E-09	5.15E-10	1.70E-09	1.17E-10	2.33E-09
181	470225.39	3819117.77	6.20E-09	2.60E-08	2.35E-09	3.46E-08	5.17E-09	1.91E-08	1.68E-09	2.60E-08	5.86E-10	3.35E-09	4.00E-10	4.34E-09	5.32E-10	1.76E-09	1.21E-10	2.41E-09
182	470215.83	3819117.64	6.36E-09	2.67E-08	2.40E-09	3.55E-08	5.29E-09	1.96E-08	1.73E-09	2.66E-08	6.00E-10	3.44E-09	4.10E-10	4.45E-09	5.46E-10	1.80E-09	1.24E-10	2.47E-09
183	470206.27	3819117.5	6.47E-09	2.72E-08	2.45E-09	3.61E-08	5.39E-09	2.00E-08	1.76E-09	2.71E-08	6.11E-10	3.50E-09	4.17E-10	4.53E-09	5.55E-10	1.83E-09	1.26E-10	2.51E-09
184	470196.7	3819117.37	6.54E-09	2.75E-08	2.47E-09	3.65E-08	5.45E-09	2.02E-08	1.78E-09	2.74E-08	6.18E-10	3.54E-09	4.22E-10	4.58E-09	5.62E-10	1.85E-09	1.28E-10	2.54E-09
185	470187.14	3819117.23	6.58E-09	2.76E-08	2.49E-09	3.67E-08	5.48E-09	2.03E-08	1.79E-09	2.76E-08	6.21E-10	3.56E-09	4.24E-10	4.60E-09	5.65E-10	1.86E-09	1.28E-10	2.56E-09
186	470158.46	3819116.83	6.39E-09	2.68E-08	2.42E-09	3.56E-08	5.32E-09	1.97E-08	1.73E-09	2.68E-08	6.03E-10	3.45E-09	4.12E-10	4.47E-09	5.49E-10	1.81E-09	1.25E-10	2.48E-09
187	470148.89	3819116.69	6.23E-09	2.62E-08	2.36E-09	3.48E-08	5.19E-09	1.92E-08	1.69E-09	2.61E-08	5.88E-10	3.37E-09	4.02E-10	4.36E-09	5.35E-10	1.76E-09	1.22E-10	2.42E-09
188	470139.33	3819116.56	6.03E-09	2.53E-08	2.28E-09	3.37E-08	5.03E-09	1.86E-08	1.64E-09	2.53E-08	5.70E-10	3.26E-09	3.89E-10	4.22E-09	5.18E-10	1.71E-09	1.18E-10	2.34E-09
189	470129.77	3819116.42	5.80E-09	2.44E-08	2.19E-09	3.24E-08	4.83E-09	1.79E-08	1.57E-09	2.43E-08	5.48E-10	3.14E-09	3.74E-10	4.06E-09	4.98E-10	1.64E-09	1.13E-10	2.25E-09
190	470120.21	3819116.29	5.54E-09	2.33E-08	2.10E-09	3.09E-08	4.61E-09	1.71E-08	1.50E-09	2.32E-08	5.23E-10	3.00E-09	3.57E-10	3.88E-09	4.76E-10	1.57E-09	1.08E-10	2.15E-09
191	470110.64	3819116.15	5.26E-09	2.21E-08	1.99E-09	2.93E-08	4.38E-09	1.62E-08	1.43E-09	2.20E-08	4.97E-10	2.84E-09	3.39E-10	3.68E-09	4.51E-10	1.49E-09	1.03E-10	2.04E-09
192	470323.94	3819116.13	3.37E-09	1.41E-08	1.27E-09	1.88E-08	2.81E-09	1.04E-08	9.15E-10	1.41E-08	3.18E-10	1.82E-09	2.17E-10	2.36E-09	2.89E-10	9.54E-10	6.57E-11	1.31E-09
193	470340.29	3819123.15	3.17E-09	1.33E-08	1.20E-09	1.77E-08	2.64E-09	9.78E-09	8.61E-10	1.33E-08	2.99E-10	1.71E-09	2.05E-10	2.22E-09	2.72E-10	8.97E-10	6.19E-11	1.23E-09
194	470356.65	3819130.17	2.99E-09	1.26E-08	1.13E-09	1.67E-08	2.49E-09	9.23E-09	8.12E-10	1.25E-08	2.82E-10	1.62E-09	1.93E-10	2.09E-09	2.57E-10	8.47E-10	5.84E-11	1.16E-09
195	470373	3819137.19	2.84E-09	1.19E-08	1.08E-09	1.59E-08	2.37E-09	8.78E-09	7.72E-10	1.19E-08	2.69E-10	1.54E-09	1.83E-10	1.99E-09	2.44E-10	8.05E-10	5.55E-11	1.10E-09
196	470384.51	3819148.96	2.93E-09	1.23E-08	1.11E-09	1.63E-08	2.44E-09	9.04E-09	7.95E-10	1.23E-08	2.76E-10	1.58E-09	1.89E-10	2.05E-09	2.51E-10	8.29E-10	5.71E-11	1.14E-09

197	470391.15	3819165.47	3.26E-09	1.37E-08	1.23E-09	1.82E-08	2.72E-09	1.01E-08	8.86E-10	1.37E-08	3.08E-10	1.76E-09	2.10E-10	2.28E-09	2.80E-10	9.23E-10	6.37E-11	1.27E-09
198	470397.8	3819181.98	3.66E-09	1.54E-08	1.38E-09	2.04E-08	3.05E-09	1.13E-08	9.93E-10	1.53E-08	3.46E-10	1.98E-09	2.36E-10	2.56E-09	3.14E-10	1.04E-09	7.14E-11	1.42E-09
199	470404.45	3819198.49	4.11E-09	1.73E-08	1.56E-09	2.29E-08	3.43E-09	1.27E-08	1.12E-09	1.72E-08	3.88E-10	2.22E-09	2.65E-10	2.88E-09	3.53E-10	1.16E-09	8.02E-11	1.60E-09
200	470411.09	3819215	4.60E-09	1.93E-08	1.74E-09	2.57E-08	3.83E-09	1.42E-08	1.25E-09	1.93E-08	4.34E-10	2.49E-09	2.97E-10	3.22E-09	3.95E-10	1.30E-09	8.97E-11	1.79E-09
201	470273.48	3819098.45	4.09E-09	1.72E-08	1.55E-09	2.28E-08	3.40E-09	1.26E-08	1.11E-09	1.71E-08	3.86E-10	2.21E-09	2.64E-10	2.86E-09	3.51E-10	1.16E-09	7.97E-11	1.59E-09
202	470263.92	3819098.31	4.31E-09	1.81E-08	1.63E-09	2.41E-08	3.59E-09	1.33E-08	1.17E-09	1.81E-08	4.07E-10	2.33E-09	2.78E-10	3.02E-09	3.70E-10	1.22E-09	8.42E-11	1.68E-09
203	470254.36	3819098.18	4.53E-09	1.90E-08	1.71E-09	2.53E-08	3.77E-09	1.40E-08	1.23E-09	1.90E-08	4.28E-10	2.45E-09	2.92E-10	3.17E-09	3.89E-10	1.28E-09	8.84E-11	1.76E-09
204	470244.8	3819098.04	4.73E-09	1.99E-08	1.79E-09	2.64E-08	3.94E-09	1.46E-08	1.28E-09	1.98E-08	4.47E-10	2.56E-09	3.05E-10	3.31E-09	4.06E-10	1.34E-09	9.23E-11	1.84E-09
205	470235.24	3819097.91	4.91E-09	2.06E-08	1.86E-09	2.74E-08	4.09E-09	1.52E-08	1.33E-09	2.06E-08	4.64E-10	2.66E-09	3.17E-10	3.44E-09	4.22E-10	1.39E-09	9.58E-11	1.91E-09
206	470225.67	3819097.77	5.07E-09	2.13E-08	1.92E-09	2.83E-08	4.22E-09	1.56E-08	1.38E-09	2.12E-08	4.78E-10	2.74E-09	3.27E-10	3.54E-09	4.35E-10	1.43E-09	9.89E-11	1.97E-09
207	470216.11	3819097.64	5.19E-09	2.18E-08	1.96E-09	2.90E-08	4.32E-09	1.60E-08	1.41E-09	2.18E-08	4.90E-10	2.81E-09	3.35E-10	3.63E-09	4.46E-10	1.47E-09	1.01E-10	2.02E-09
208	470206.55	3819097.5	5.28E-09	2.22E-08	2.00E-09	2.95E-08	4.40E-09	1.63E-08	1.43E-09	2.21E-08	4.99E-10	2.86E-09	3.41E-10	3.70E-09	4.54E-10	1.50E-09	1.03E-10	2.05E-09
209	470196.99	3819097.37	5.35E-09	2.25E-08	2.02E-09	2.98E-08	4.46E-09	1.65E-08	1.45E-09	2.24E-08	5.05E-10	2.89E-09	3.45E-10	3.74E-09	4.59E-10	1.51E-09	1.04E-10	2.08E-09
210	470187.42	3819097.23	5.38E-09	2.26E-08	2.04E-09	3.00E-08	4.48E-09	1.66E-08	1.46E-09	2.26E-08	5.08E-10	2.91E-09	3.47E-10	3.77E-09	4.62E-10	1.52E-09	1.05E-10	2.09E-09
211	470158.74	3819096.83	5.27E-09	2.21E-08	1.99E-09	2.94E-08	4.39E-09	1.63E-08	1.43E-09	2.21E-08	4.98E-10	2.85E-09	3.40E-10	3.69E-09	4.52E-10	1.49E-09	1.03E-10	2.05E-09
212	470149.18	3819096.69	5.16E-09	2.17E-08	1.95E-09	2.88E-08	4.30E-09	1.59E-08	1.40E-09	2.16E-08	4.88E-10	2.79E-09	3.33E-10	3.61E-09	4.43E-10	1.46E-09	1.01E-10	2.01E-09
213	470139.61	3819096.56	5.03E-09	2.11E-08	1.90E-09	2.80E-08	4.19E-09	1.55E-08	1.36E-09	2.11E-08	4.75E-10	2.72E-09	3.24E-10	3.52E-09	4.31E-10	1.42E-09	9.81E-11	1.95E-09
214	470130.05	3819096.42	4.86E-09	2.04E-08	1.84E-09	2.71E-08	4.05E-09	1.50E-08	1.32E-09	2.04E-08	4.59E-10	2.63E-09	3.13E-10	3.40E-09	4.17E-10	1.38E-09	9.48E-11	1.89E-09
215	470120.49	3819096.29	4.67E-09	1.96E-08	1.77E-09	2.61E-08	3.89E-09	1.44E-08	1.27E-09	1.96E-08	4.41E-10	2.53E-09	3.01E-10	3.27E-09	4.01E-10	1.32E-09	9.12E-11	1.81E-09
216	470110.93	3819096.15	4.47E-09	1.88E-08	1.69E-09	2.49E-08	3.72E-09	1.38E-08	1.21E-09	1.87E-08	4.22E-10	2.41E-09	2.88E-10	3.12E-09	3.83E-10	1.26E-09	8.72E-11	1.73E-09
217	470317.84	3819093.4	2.94E-09	1.23E-08	1.11E-09	1.64E-08	2.45E-09	9.07E-09	7.98E-10	1.23E-08	2.78E-10	1.59E-09	1.90E-10	2.06E-09	2.52E-10	8.32E-10	5.73E-11	1.14E-09
218	470326.47	3819097.1	2.86E-09	1.20E-08	1.08E-09	1.59E-08	2.38E-09	8.82E-09	7.76E-10	1.20E-08	2.70E-10	1.54E-09	1.84E-10	2.00E-09	2.45E-10	8.09E-10	5.57E-11	1.11E-09
219	470335.09	3819100.8	2.78E-09	1.17E-08	1.05E-09	1.55E-08	2.32E-09	8.59E-09	7.55E-10	1.17E-08	2.63E-10	1.50E-09	1.79E-10	1.95E-09	2.39E-10	7.88E-10	5.43E-11	1.08E-09
220	470343.72	3819104.51	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.31E-09	7.31E-10	1.13E-08	2.54E-10	1.46E-09	1.74E-10	1.88E-09	2.31E-10	7.63E-10	5.26E-11	1.05E-09
221	470352.35	3819108.21	2.61E-09	1.10E-08	9.87E-10	1.46E-08	2.17E-09	8.06E-09	7.09E-10	1.09E-08	2.47E-10	1.41E-09	1.68E-10	1.83E-09	2.24E-10	7.39E-10	5.09E-11	1.01E-09
222	470360.97	3819111.91	2.53E-09	1.06E-08	9.58E-10	1.41E-08	2.11E-09	7.82E-09	6.88E-10	1.06E-08	2.39E-10	1.37E-09	1.63E-10	1.77E-09	2.17E-10	7.17E-10	4.94E-11	9.84E-10
223	470369.6	3819115.62	2.46E-09	1.03E-08	9.31E-10	1.37E-08	2.05E-09	7.60E-09	6.69E-10	1.03E-08	2.33E-10	1.33E-09	1.59E-10	1.72E-09	2.11E-10	6.97E-10	4.81E-11	9.57E-10
224	470378.23	3819119.32	2.40E-09	1.01E-08	9.07E-10	1.34E-08	2.00E-09	7.40E-09	6.51E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.68E-09	2.06E-10	6.79E-10	4.68E-11	9.32E-10
225	470386.86	3819123.02	2.34E-09	9.85E-09	8.87E-10	1.31E-08	1.95E-09	7.24E-09	6.36E-10	9.82E-09	2.21E-10	1.27E-09	1.51E-10	1.64E-09	2.01E-10	6.64E-10	4.58E-11	9.11E-10
226	470398.99	3819135.43	2.41E-09	1.01E-08	9.12E-10	1.34E-08	2.01E-09	7.44E-09	6.54E-10	1.01E-08	2.28E-10	1.30E-09	1.55E-10	1.69E-09	2.07E-10	6.82E-10	4.70E-11	9.36E-10
227	470402.5	3819144.14	2.54E-09	1.07E-08	9.60E-10	1.42E-08	2.11E-09	7.83E-09	6.89E-10	1.06E-08	2.40E-10	1.37E-09	1.64E-10	1.78E-09	2.18E-10	7.18E-10	4.95E-11	9.86E-10
228	470406	3819152.85	2.68E-09	1.12E-08	1.01E-09	1.49E-08	2.23E-09	8.26E-09	7.27E-10	1.12E-08	2.53E-10	1.45E-09	1.73E-10	1.87E-09	2.30E-10	7.58E-10	5.23E-11	1.04E-09
229	470409.51	3819161.56	2.83E-09	1.19E-08	1.07E-09	1.58E-08	2.36E-09	8.74E-09	7.69E-10	1.19E-08	2.68E-10	1.53E-09	1.83E-10	1.98E-09	2.43E-10	8.02E-10	5.53E-11	1.10E-09
230	470413.01	3819170.27	3.00E-09	1.26E-08	1.14E-09	1.67E-08	2.50E-09	9.26E-09	8.15E-10	1.26E-08	2.83E-10	1.62E-09	1.94E-10	2.10E-09	2.58E-10	8.50E-10	5.86E-11	1.17E-09
231	470416.52	3819178.98	3.18E-09	1.34E-08	1.20E-09	1.78E-08	2.65E-09	9.83E-09	8.64E-10	1.33E-08	3.01E-10	1.72E-09	2.05E-10	2.23E-09	2.73E-10	9.01E-10	6.21E-11	1.24E-09
232	470420.03	3819187.69	3.38E-09	1.42E-08	1.28E-09	1.88E-08	2.81E-09	1.04E-08	9.17E-10	1.42E-08	3.19E-10	1.83E-09	2.18E-10	2.36E-09	2.90E-10	9.56E-10	6.59E-11	1.31E-09
233	470423.53	3819196.4	3.58E-09	1.50E-08	1.35E-09	2.00E-08	2.98E-09	1.11E-08	9.72E-10	1.50E-08	3.38E-10	1.94E-09	2.31E-10	2.50E-09	3.07E-10	1.01E-09	6.99E-11	1.39E-09
234	470427.04	3819205.11	3.79E-09	1.59E-08	1.43E-09	2.11E-08	3.16E-09	1.17E-08	1.03E-09	1.59E-08	3.58E-10	2.05E-09	2.44E-10	2.65E-09	3.25E-10	1.07E-09	7.40E-11	1.47E-09
235	470430.55	3819213.81	4.00E-09	1.68E-08	1.51E-09	2.23E-08	3.33E-09	1.23E-08	1.09E-09	1.68E-08	3.78E-10	2.16E-09	2.58E-10	2.80E-09	3.44E-10	1.13E-09	7.81E-11	1.55E-09
236	470273.77	3819078.45	3.47E-09	1.46E-08	1.31E-09	1.93E-08	2.89E-09	1.07E-08	9.41E-10	1.45E-08	3.27E-10	1.87E-09	2.24E-10	2.43E-09	2.98E-10	9.81E-10	6.77E-11	1.35E-09
237	470264.2	3819078.32	3.64E-09	1.53E-08	1.38E-09	2.03E-08	3.03E-09	1.12E-08	9.89E-10	1.53E-08	3.44E-10	1.97E-09	2.35E-10	2.55E-09	3.13E-10	1.03E-09	7.11E-11	1.42E-09
238	470254.64	3819078.18	3.81E-09	1.60E-08	1.44E-09	2.12E-08	3.17E-09	1.17E-08	1.03E-09	1.59E-08	3.59E-10	2.06E-09	2.46E-10	2.66E-09	3.27E-10	1.08E-09	7.43E-11	1.48E-09
239	470245.08	3819078.05	3.95E-09	1.66E-08	1.50E-09	2.21E-08	3.29E-09	1.22E-08	1.07E-09	1.66E-08	3.73E-10	2.14E-09	2.55E-10	2.77E-09	3.39E-10	1.12E-09	7.72E-11	1.54E-09
240	470235.52	3819077.91	4.09E-09	1.72E-08	1.55E-09	2.28E-08	3.41E-09	1.26E-08	1.11E-09	1.71E-08	3.86E-10	2.21E-09	2.64E-10	2.86E-09	3.51E-10	1.16E-09	7.98E-11	1.59E-09
241	470225.96	3819077.78	4.21E-09	1.77E-08	1.59E-09	2.35E-08	3.51E-09	1.30E-08	1.14E-09	1.76E-08	3.97E-10	2.28E-09	2.71E-10	2.94E-09	3.61E-10	1.19E-09	8.21E-11	1.63E-09
242	470216.39	3819077.64	4.31E-09	1.81E-08	1.63E-09	2.41E-08	3.59E-09	1.33E-08	1.17E-09	1.81E-08	4.07E-10	2.33E-09	2.78E-10	3.02E-09	3.70E-10	1.22E-09	8.42E-11	1.68E-09
243	470206.83	3819077.51	4.40E-09	1.85E-08	1.66E-09	2.45E-08	3.66E-09	1.36E-08	1.19E-09	1.84E-08	4.15E-10	2.38E-09	2.84E-10	3.08E-09	3.78E-10	1.24E-09	8.58E-11	1.71E-09
244	470197.27	3819077.37	4.46E-09	1.87E-08	1.68E-09	2.48E-08	3.71E-09	1.37E-08	1.21E-09	1.87E-08	4.21E-10	2.41E-09	2.87E-10	3.12E-09	3.82E-10	1.26E-09	8.69E-11	1.73E-09
245	470187.71	3819077.24	4.49E-09	1.88E-08	1.70E-09	2.50E-08	3.74E-09	1.38E-08	1.22E-09	1.88E-08	4.24E-10	2.43E-09	2.89E-10	3.14E-09	3.85E-10	1.27E-09	8.75E-11	1.74E-09
246	470159.02	3819076.83	4.42E-09	1.86E-08	1.67E-09	2.46E-08	3.68E-09	1.36E-08	1.20E-09	1.85E-08	4.17E-10	2.39E-09	2.85E-10	3.09E-09	3.79E-10	1.25E-09	8.62E-11	1.72E-09

247	470149.46	3819076.7	4.35E-09	1.82E-08	1.64E-09	2.42E-08	3.62E-09	1.34E-08	1.18E-09	1.82E-08	4.10E-10	2.35E-09	2.80E-10	3.04E-09	3.73E-10	1.23E-09	8.48E-11	1.69E-09
248	470139.9	3819076.56	4.25E-09	1.78E-08	1.61E-09	2.37E-08	3.54E-09	1.31E-08	1.15E-09	1.78E-08	4.01E-10	2.30E-09	2.74E-10	2.97E-09	3.65E-10	1.20E-09	8.29E-11	1.65E-09
249	470130.33	3819076.43	4.12E-09	1.73E-08	1.56E-09	2.30E-08	3.43E-09	1.27E-08	1.12E-09	1.73E-08	3.89E-10	2.23E-09	2.66E-10	2.88E-09	3.54E-10	1.17E-09	8.05E-11	1.60E-09
250	470120.77	3819076.29	3.98E-09	1.67E-08	1.51E-09	2.22E-08	3.32E-09	1.23E-08	1.08E-09	1.67E-08	3.76E-10	2.15E-09	2.57E-10	2.78E-09	3.42E-10	1.13E-09	7.77E-11	1.55E-09
251	470111.21	3819076.16	3.83E-09	1.61E-08	1.45E-09	2.13E-08	3.19E-09	1.18E-08	1.04E-09	1.60E-08	3.61E-10	2.07E-09	2.47E-10	2.68E-09	3.28E-10	1.08E-09	7.47E-11	1.49E-09
252	470317.26	3819073.03	2.57E-09	1.08E-08	9.70E-10	1.43E-08	2.14E-09	7.92E-09	6.96E-10	1.07E-08	2.42E-10	1.39E-09	1.65E-10	1.79E-09	2.20E-10	7.26E-10	5.01E-11	9.96E-10
253	470325.67	3819076.64	2.50E-09	1.05E-08	9.45E-10	1.39E-08	2.08E-09	7.71E-09	6.78E-10	1.05E-08	2.36E-10	1.35E-09	1.61E-10	1.75E-09	2.14E-10	7.07E-10	4.87E-11	9.70E-10
254	470334.08	3819080.25	2.44E-09	1.02E-08	9.21E-10	1.36E-08	2.03E-09	7.51E-09	6.61E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.70E-09	2.09E-10	6.89E-10	4.75E-11	9.46E-10
255	470342.49	3819083.86	2.36E-09	9.92E-09	8.94E-10	1.32E-08	1.97E-09	7.29E-09	6.41E-10	9.90E-09	2.23E-10	1.28E-09	1.52E-10	1.65E-09	2.03E-10	6.69E-10	4.61E-11	9.18E-10
256	470350.9	3819087.47	2.29E-09	9.62E-09	8.67E-10	1.28E-08	1.91E-09	7.07E-09	6.22E-10	9.60E-09	2.16E-10	1.24E-09	1.48E-10	1.60E-09	1.97E-10	6.49E-10	4.47E-11	8.90E-10
257	470359.32	3819091.08	2.22E-09	9.34E-09	8.41E-10	1.24E-08	1.85E-09	6.86E-09	6.04E-10	9.32E-09	2.10E-10	1.20E-09	1.43E-10	1.56E-09	1.91E-10	6.29E-10	4.34E-11	8.64E-10
258	470367.73	3819094.69	2.16E-09	9.07E-09	8.17E-10	1.20E-08	1.80E-09	6.66E-09	5.86E-10	9.05E-09	2.04E-10	1.17E-09	1.39E-10	1.51E-09	1.85E-10	6.11E-10	4.21E-11	8.39E-10
259	470376.14	3819098.3	2.10E-09	8.82E-09	7.95E-10	1.17E-08	1.75E-09	6.48E-09	5.70E-10	8.80E-09	1.98E-10	1.14E-09	1.36E-10	1.47E-09	1.80E-10	5.95E-10	4.10E-11	8.16E-10
260	470384.55	3819101.91	2.05E-09	8.60E-09	7.75E-10	1.14E-08	1.71E-09	6.32E-09	5.56E-10	8.58E-09	1.93E-10	1.11E-09	1.32E-10	1.43E-09	1.76E-10	5.80E-10	4.00E-11	7.96E-10
261	470392.96	3819105.52	2.00E-09	8.41E-09	7.57E-10	1.12E-08	1.67E-09	6.18E-09	5.44E-10	8.39E-09	1.89E-10	1.08E-09	1.29E-10	1.40E-09	1.72E-10	5.67E-10	3.91E-11	7.78E-10
262	470401.37	3819109.13	1.96E-09	8.24E-09	7.42E-10	1.09E-08	1.63E-09	6.05E-09	5.32E-10	8.22E-09	1.85E-10	1.06E-09	1.27E-10	1.37E-09	1.68E-10	5.55E-10	3.83E-11	7.62E-10
263	470413.2	3819121.23	2.01E-09	8.44E-09	7.60E-10	1.12E-08	1.67E-09	6.20E-09	5.46E-10	8.42E-09	1.90E-10	1.09E-09	1.30E-10	1.41E-09	1.73E-10	5.69E-10	3.92E-11	7.81E-10
264	470416.62	3819129.73	2.10E-09	8.84E-09	7.96E-10	1.17E-08	1.75E-09	6.49E-09	5.71E-10	8.82E-09	1.99E-10	1.14E-09	1.36E-10	1.47E-09	1.81E-10	5.96E-10	4.11E-11	8.17E-10
265	470420.04	3819138.22	2.21E-09	9.28E-09	8.35E-10	1.23E-08	1.84E-09	6.82E-09	6.00E-10	9.26E-09	2.09E-10	1.19E-09	1.42E-10	1.55E-09	1.90E-10	6.25E-10	4.31E-11	8.58E-10
266	470423.46	3819146.71	2.32E-09	9.76E-09	8.79E-10	1.30E-08	1.94E-09	7.17E-09	6.31E-10	9.74E-09	2.19E-10	1.26E-09	1.50E-10	1.63E-09	1.99E-10	6.58E-10	4.53E-11	9.03E-10
267	470426.88	3819155.2	2.45E-09	1.03E-08	9.26E-10	1.37E-08	2.04E-09	7.56E-09	6.65E-10	1.03E-08	2.31E-10	1.32E-09	1.58E-10	1.71E-09	2.10E-10	6.93E-10	4.78E-11	9.52E-10
268	470430.3	3819163.69	2.59E-09	1.09E-08	9.78E-10	1.44E-08	2.15E-09	7.98E-09	7.02E-10	1.08E-08	2.44E-10	1.40E-09	1.67E-10	1.81E-09	2.22E-10	7.32E-10	5.05E-11	1.00E-09
269	470433.71	3819172.18	2.73E-09	1.15E-08	1.03E-09	1.52E-08	2.28E-09	8.43E-09	7.42E-10	1.15E-08	2.58E-10	1.48E-09	1.76E-10	1.91E-09	2.35E-10	7.74E-10	5.33E-11	1.06E-09
270	470437.13	3819180.67	2.89E-09	1.21E-08	1.09E-09	1.61E-08	2.41E-09	8.91E-09	7.84E-10	1.21E-08	2.73E-10	1.56E-09	1.86E-10	2.02E-09	2.48E-10	8.18E-10	5.64E-11	1.12E-09
271	470440.55	3819189.17	3.05E-09	1.28E-08	1.15E-09	1.70E-08	2.54E-09	9.42E-09	8.28E-10	1.28E-08	2.88E-10	1.65E-09	1.97E-10	2.13E-09	2.62E-10	8.64E-10	5.95E-11	1.19E-09
272	470443.97	3819197.66	3.22E-09	1.35E-08	1.22E-09	1.80E-08	2.68E-09	9.93E-09	8.74E-10	1.35E-08	3.04E-10	1.74E-09	2.08E-10	2.25E-09	2.76E-10	9.11E-10	6.28E-11	1.25E-09
273	470447.39	3819206.15	3.39E-09	1.42E-08	1.28E-09	1.89E-08	2.82E-09	1.05E-08	9.20E-10	1.42E-08	3.20E-10	1.83E-09	2.19E-10	2.37E-09	2.91E-10	9.59E-10	6.61E-11	1.32E-09
274	470450.81	3819214.64	3.56E-09	1.50E-08	1.35E-09	1.99E-08	2.97E-09	1.10E-08	9.67E-10	1.49E-08	3.36E-10	1.92E-09	2.30E-10	2.49E-09	3.06E-10	1.01E-09	6.95E-11	1.38E-09
275	470274.05	3819058.45	2.97E-09	1.25E-08	1.12E-09	1.66E-08	2.48E-09	9.17E-09	8.07E-10	1.25E-08	2.81E-10	1.61E-09	1.92E-10	2.08E-09	2.55E-10	8.41E-10	5.80E-11	1.15E-09
276	470264.49	3819058.32	3.11E-09	1.30E-08	1.17E-09	1.73E-08	2.59E-09	9.58E-09	8.43E-10	1.30E-08	2.93E-10	1.68E-09	2.00E-10	2.17E-09	2.67E-10	8.79E-10	6.06E-11	1.21E-09
277	470254.92	3819058.18	3.24E-09	1.36E-08	1.22E-09	1.80E-08	2.69E-09	9.98E-09	8.78E-10	1.36E-08	3.06E-10	1.75E-09	2.09E-10	2.26E-09	2.78E-10	9.16E-10	6.31E-11	1.26E-09
278	470245.36	3819058.05	3.36E-09	1.41E-08	1.27E-09	1.87E-08	2.80E-09	1.04E-08	9.11E-10	1.41E-08	3.17E-10	1.82E-09	2.17E-10	2.35E-09	2.88E-10	9.50E-10	6.55E-11	1.30E-09
279	470235.8	3819057.91	3.47E-09	1.46E-08	1.31E-09	1.93E-08	2.89E-09	1.07E-08	9.42E-10	1.45E-08	3.28E-10	1.88E-09	2.24E-10	2.43E-09	2.98E-10	9.82E-10	6.77E-11	1.35E-09
280	470226.24	3819057.78	3.57E-09	1.50E-08	1.35E-09	1.99E-08	2.97E-09	1.10E-08	9.68E-10	1.49E-08	3.37E-10	1.93E-09	2.30E-10	2.50E-09	3.06E-10	1.01E-09	6.96E-11	1.39E-09
281	470216.68	3819057.64	3.65E-09	1.53E-08	1.38E-09	2.04E-08	3.04E-09	1.13E-08	9.91E-10	1.53E-08	3.45E-10	1.97E-09	2.36E-10	2.56E-09	3.14E-10	1.03E-09	7.13E-11	1.42E-09
282	470207.11	3819057.51	3.72E-09	1.56E-08	1.41E-09	2.08E-08	3.10E-09	1.15E-08	1.01E-09	1.56E-08	3.51E-10	2.01E-09	2.40E-10	2.60E-09	3.19E-10	1.05E-09	7.26E-11	1.44E-09
283	470197.55	3819057.37	3.77E-09	1.58E-08	1.43E-09	2.10E-08	3.14E-09	1.16E-08	1.02E-09	1.58E-08	3.56E-10	2.04E-09	2.43E-10	2.64E-09	3.24E-10	1.07E-09	7.35E-11	1.46E-09
284	470187.99	3819057.24	3.80E-09	1.59E-08	1.44E-09	2.12E-08	3.16E-09	1.17E-08	1.03E-09	1.59E-08	3.59E-10	2.05E-09	2.45E-10	2.66E-09	3.26E-10	1.07E-09	7.41E-11	1.47E-09
285	470159.3	3819056.83	3.76E-09	1.58E-08	1.42E-09	2.10E-08	3.13E-09	1.16E-08	1.02E-09	1.57E-08	3.55E-10	2.03E-09	2.42E-10	2.63E-09	3.23E-10	1.06E-09	7.33E-11	1.46E-09
286	470149.74	3819056.7	3.71E-09	1.56E-08	1.40E-09	2.07E-08	3.09E-09	1.14E-08	1.01E-09	1.55E-08	3.50E-10	2.00E-09	2.39E-10	2.59E-09	3.18E-10	1.05E-09	7.23E-11	1.44E-09
287	470140.18	3819056.56	3.64E-09	1.53E-08	1.38E-09	2.03E-08	3.03E-09	1.12E-08	9.87E-10	1.52E-08	3.43E-10	1.97E-09	2.35E-10	2.54E-09	3.12E-10	1.03E-09	7.09E-11	1.41E-09
288	470130.62	3819056.43	3.54E-09	1.49E-08	1.34E-09	1.98E-08	2.95E-09	1.09E-08	9.62E-10	1.48E-08	3.35E-10	1.92E-09	2.29E-10	2.48E-09	3.04E-10	1.00E-09	6.91E-11	1.38E-09
289	470121.05	3819056.29	3.44E-09	1.44E-08	1.30E-09	1.92E-08	2.86E-09	1.06E-08	9.33E-10	1.44E-08	3.25E-10	1.86E-09	2.22E-10	2.40E-09	2.95E-10	9.73E-10	6.71E-11	1.34E-09
290	470111.49	3819056.16	3.32E-09	1.39E-08	1.26E-09	1.85E-08	2.77E-09	1.02E-08	9.01E-10	1.39E-08	3.14E-10	1.80E-09	2.14E-10	2.32E-09	2.85E-10	9.40E-10	6.48E-11	1.29E-09
291	470318.94	3819053.63	2.24E-09	9.43E-09	8.49E-10	1.25E-08	1.87E-09	6.93E-09	6.09E-10	9.41E-09	2.12E-10	1.21E-09	1.45E-10	1.57E-09	1.93E-10	6.35E-10	4.38E-11	8.72E-10
292	470327.7	3819057.39	2.18E-09	9.16E-09	8.25E-10	1.22E-08	1.82E-09	6.73E-09	5.92E-10	9.14E-09	2.06E-10	1.18E-09	1.41E-10	1.53E-09	1.87E-10	6.18E-10	4.26E-11	8.48E-10
293	470336.47	3819061.15	2.12E-09	8.91E-09	8.03E-10	1.18E-08	1.77E-09	6.55E-09	5.76E-10	8.89E-09	2.00E-10	1.15E-09	1.37E-10	1.48E-09	1.82E-10	6.01E-10	4.14E-11	8.24E-10
294	470345.23	3819064.92	2.07E-09	8.67E-09	7.81E-10	1.15E-08	1.72E-09	6.37E-09	5.61E-10	8.66E-09	1.95E-10	1.12E-09	1.33E-10	1.44E-09	1.77E-10	5.85E-10	4.03E-11	8.02E-10
295	470353.99	3819068.68	2.00E-09	8.41E-09	7.57E-10	1.12E-08	1.67E-09	6.18E-09	5.43E-10	8.39E-09	1.89E-10	1.08E-09	1.29E-10	1.40E-09	1.72E-10	5.67E-10	3.91E-11	7.78E-10
296	470362.75	3819072.44	1.94E-09	8.15E-09	7.34E-10	1.08E-08	1.62E-09	5.99E-09	5.27E-10	8.13E-09	1.83E-10	1.05E-09	1.25E-10	1.36E-09	1.67E-10	5.49E-10	3.79E-11	7.54E-10

297	470371.51	3819076.2	1.88E-09	7.91E-09	7.12E-10	1.05E-08	1.57E-09	5.81E-09	5.11E-10	7.89E-09	1.78E-10	1.02E-09	1.21E-10	1.32E-09	1.62E-10	5.33E-10	3.67E-11	7.31E-10
298	470380.28	3819079.96	1.83E-09	7.68E-09	6.92E-10	1.02E-08	1.52E-09	5.65E-09	4.97E-10	7.67E-09	1.73E-10	9.89E-10	1.18E-10	1.28E-09	1.57E-10	5.18E-10	3.57E-11	7.11E-10
299	470389.04	3819083.72	1.78E-09	7.48E-09	6.73E-10	9.93E-09	1.48E-09	5.49E-09	4.83E-10	7.46E-09	1.68E-10	9.63E-10	1.15E-10	1.25E-09	1.53E-10	5.04E-10	3.47E-11	6.92E-10
300	470397.8	3819087.48	1.74E-09	7.29E-09	6.57E-10	9.69E-09	1.45E-09	5.36E-09	4.71E-10	7.28E-09	1.64E-10	9.39E-10	1.12E-10	1.21E-09	1.49E-10	4.92E-10	3.39E-11	6.75E-10
301	470406.56	3819091.24	1.70E-09	7.13E-09	6.42E-10	9.47E-09	1.41E-09	5.24E-09	4.61E-10	7.11E-09	1.60E-10	9.18E-10	1.09E-10	1.19E-09	1.46E-10	4.81E-10	3.31E-11	6.59E-10
302	470415.32	3819095	1.66E-09	6.98E-09	6.29E-10	9.28E-09	1.39E-09	5.13E-09	4.51E-10	6.97E-09	1.57E-10	8.99E-10	1.07E-10	1.16E-09	1.43E-10	4.71E-10	3.25E-11	6.46E-10
303	470427.65	3819107.61	1.70E-09	7.15E-09	6.44E-10	9.50E-09	1.42E-09	5.25E-09	4.62E-10	7.14E-09	1.61E-10	9.21E-10	1.10E-10	1.19E-09	1.46E-10	4.82E-10	3.32E-11	6.61E-10
304	470431.21	3819116.45	1.78E-09	7.48E-09	6.73E-10	9.93E-09	1.48E-09	5.49E-09	4.83E-10	7.46E-09	1.68E-10	9.62E-10	1.15E-10	1.25E-09	1.53E-10	5.04E-10	3.47E-11	6.92E-10
305	470434.77	3819125.3	1.87E-09	7.84E-09	7.06E-10	1.04E-08	1.55E-09	5.76E-09	5.07E-10	7.82E-09	1.76E-10	1.01E-09	1.20E-10	1.31E-09	1.60E-10	5.28E-10	3.64E-11	7.25E-10
306	470438.33	3819134.14	1.96E-09	8.24E-09	7.42E-10	1.09E-08	1.63E-09	6.05E-09	5.33E-10	8.22E-09	1.85E-10	1.06E-09	1.27E-10	1.37E-09	1.68E-10	5.55E-10	3.83E-11	7.62E-10
307	470441.89	3819142.99	2.07E-09	8.68E-09	7.82E-10	1.15E-08	1.72E-09	6.38E-09	5.61E-10	8.66E-09	1.95E-10	1.12E-09	1.33E-10	1.45E-09	1.77E-10	5.85E-10	4.03E-11	8.03E-10
308	470445.45	3819151.83	2.18E-09	9.16E-09	8.25E-10	1.22E-08	1.82E-09	6.73E-09	5.92E-10	9.14E-09	2.06E-10	1.18E-09	1.41E-10	1.53E-09	1.87E-10	6.17E-10	4.25E-11	8.47E-10
309	470449.01	3819160.68	2.30E-09	9.67E-09	8.71E-10	1.28E-08	1.92E-09	7.11E-09	6.25E-10	9.65E-09	2.18E-10	1.25E-09	1.49E-10	1.61E-09	1.98E-10	6.52E-10	4.50E-11	8.95E-10
310	470452.57	3819169.52	2.44E-09	1.02E-08	9.21E-10	1.36E-08	2.03E-09	7.51E-09	6.61E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.70E-09	2.09E-10	6.89E-10	4.75E-11	9.46E-10
311	470456.14	3819178.37	2.57E-09	1.08E-08	9.73E-10	1.44E-08	2.14E-09	7.94E-09	6.99E-10	1.08E-08	2.43E-10	1.39E-09	1.66E-10	1.80E-09	2.21E-10	7.28E-10	5.02E-11	1.00E-09
312	470459.7	3819187.21	2.72E-09	1.14E-08	1.03E-09	1.52E-08	2.26E-09	8.38E-09	7.38E-10	1.14E-08	2.57E-10	1.47E-09	1.75E-10	1.90E-09	2.33E-10	7.69E-10	5.30E-11	1.06E-09
313	470463.26	3819196.06	2.86E-09	1.20E-08	1.08E-09	1.60E-08	2.39E-09	8.84E-09	7.78E-10	1.20E-08	2.71E-10	1.55E-09	1.85E-10	2.00E-09	2.46E-10	8.11E-10	5.59E-11	1.11E-09
314	470466.82	3819204.9	3.01E-09	1.27E-08	1.14E-09	1.68E-08	2.51E-09	9.30E-09	8.18E-10	1.26E-08	2.85E-10	1.63E-09	1.94E-10	2.11E-09	2.59E-10	8.53E-10	5.88E-11	1.17E-09
315	470470.38	3819213.75	3.16E-09	1.33E-08	1.20E-09	1.76E-08	2.64E-09	9.76E-09	8.59E-10	1.33E-08	2.99E-10	1.71E-09	2.04E-10	2.21E-09	2.72E-10	8.95E-10	6.17E-11	1.23E-09
316	470274.33	3819038.45	2.58E-09	1.08E-08	9.75E-10	1.44E-08	2.15E-09	7.95E-09	7.00E-10	1.08E-08	2.43E-10	1.39E-09	1.66E-10	1.80E-09	2.21E-10	7.29E-10	5.03E-11	1.00E-09
317	470264.77	3819038.32	2.68E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.28E-09	7.29E-10	1.12E-08	2.53E-10	1.45E-09	1.73E-10	1.88E-09	2.30E-10	7.60E-10	5.24E-11	1.04E-09
318	470255.21	3819038.18	2.79E-09	1.17E-08	1.05E-09	1.56E-08	2.32E-09	8.61E-09	7.57E-10	1.17E-08	2.63E-10	1.51E-09	1.80E-10	1.95E-09	2.39E-10	7.89E-10	5.44E-11	1.08E-09
319	470245.64	3819038.05	2.89E-09	1.21E-08	1.09E-09	1.61E-08	2.41E-09	8.92E-09	7.85E-10	1.21E-08	2.73E-10	1.56E-09	1.86E-10	2.02E-09	2.48E-10	8.18E-10	5.64E-11	1.12E-09
320	470236.08	3819037.91	2.98E-09	1.25E-08	1.13E-09	1.66E-08	2.48E-09	9.20E-09	8.10E-10	1.25E-08	2.82E-10	1.61E-09	1.92E-10	2.09E-09	2.56E-10	8.44E-10	5.82E-11	1.16E-09
321	470226.52	3819037.78	3.06E-09	1.29E-08	1.16E-09	1.71E-08	2.55E-09	9.46E-09	8.32E-10	1.28E-08	2.89E-10	1.66E-09	1.98E-10	2.14E-09	2.63E-10	8.67E-10	5.98E-11	1.19E-09
322	470216.96	3819037.64	3.13E-09	1.32E-08	1.18E-09	1.75E-08	2.61E-09	9.67E-09	8.51E-10	1.31E-08	2.96E-10	1.69E-09	2.02E-10	2.19E-09	2.69E-10	8.87E-10	6.11E-11	1.22E-09
323	470207.4	3819037.51	3.19E-09	1.34E-08	1.21E-09	1.78E-08	2.66E-09	9.84E-09	8.66E-10	1.34E-08	3.01E-10	1.72E-09	2.06E-10	2.23E-09	2.74E-10	9.03E-10	6.22E-11	1.24E-09
324	470197.83	3819037.37	3.23E-09	1.36E-08	1.22E-09	1.80E-08	2.69E-09	9.96E-09	8.77E-10	1.35E-08	3.05E-10	1.75E-09	2.08E-10	2.26E-09	2.77E-10	9.14E-10	6.30E-11	1.25E-09
325	470188.27	3819037.24	3.25E-09	1.37E-08	1.23E-09	1.82E-08	2.71E-09	1.00E-08	8.83E-10	1.36E-08	3.07E-10	1.76E-09	2.10E-10	2.28E-09	2.79E-10	9.21E-10	6.35E-11	1.26E-09
326	470159.58	3819036.83	3.23E-09	1.36E-08	1.22E-09	1.80E-08	2.69E-09	9.98E-09	8.78E-10	1.36E-08	3.05E-10	1.75E-09	2.09E-10	2.26E-09	2.78E-10	9.15E-10	6.31E-11	1.26E-09
327	470150.02	3819036.7	3.20E-09	1.34E-08	1.21E-09	1.78E-08	2.66E-09	9.86E-09	8.68E-10	1.34E-08	3.02E-10	1.73E-09	2.06E-10	2.24E-09	2.74E-10	9.05E-10	6.24E-11	1.24E-09
328	470140.46	3819036.56	3.15E-09	1.32E-08	1.19E-09	1.75E-08	2.62E-09	9.71E-09	8.54E-10	1.32E-08	2.97E-10	1.70E-09	2.03E-10	2.20E-09	2.70E-10	8.90E-10	6.14E-11	1.22E-09
329	470130.9	3819036.43	3.08E-09	1.29E-08	1.16E-09	1.72E-08	2.56E-09	9.49E-09	8.35E-10	1.29E-08	2.90E-10	1.66E-09	1.98E-10	2.15E-09	2.64E-10	8.71E-10	6.00E-11	1.19E-09
330	470121.34	3819036.29	3.00E-09	1.26E-08	1.13E-09	1.67E-08	2.49E-09	9.24E-09	8.13E-10	1.26E-08	2.83E-10	1.62E-09	1.93E-10	2.10E-09	2.57E-10	8.48E-10	5.84E-11	1.16E-09
331	470111.77	3819036.16	2.91E-09	1.22E-08	1.10E-09	1.62E-08	2.42E-09	8.97E-09	7.89E-10	1.22E-08	2.74E-10	1.57E-09	1.87E-10	2.03E-09	2.49E-10	8.22E-10	5.67E-11	1.13E-09
332	470318.45	3819033.3	2.00E-09	8.38E-09	7.55E-10	1.11E-08	1.66E-09	6.16E-09	5.42E-10	8.36E-09	1.88E-10	1.08E-09	1.29E-10	1.40E-09	1.71E-10	5.65E-10	3.89E-11	7.75E-10
333	470327.01	3819036.98	1.94E-09	8.16E-09	7.34E-10	1.08E-08	1.62E-09	5.99E-09	5.27E-10	8.14E-09	1.83E-10	1.05E-09	1.25E-10	1.36E-09	1.67E-10	5.50E-10	3.79E-11	7.54E-10
334	470335.58	3819040.66	1.89E-09	7.93E-09	7.14E-10	1.05E-08	1.57E-09	5.82E-09	5.12E-10	7.91E-09	1.78E-10	1.02E-09	1.22E-10	1.32E-09	1.62E-10	5.34E-10	3.68E-11	7.33E-10
335	470344.15	3819044.33	1.83E-09	7.70E-09	6.93E-10	1.02E-08	1.53E-09	5.65E-09	4.97E-10	7.68E-09	1.73E-10	9.91E-10	1.18E-10	1.28E-09	1.57E-10	5.19E-10	3.58E-11	7.12E-10
336	470352.71	3819048.01	1.78E-09	7.48E-09	6.73E-10	9.93E-09	1.48E-09	5.49E-09	4.83E-10	7.46E-09	1.68E-10	9.62E-10	1.15E-10	1.25E-09	1.53E-10	5.04E-10	3.47E-11	6.91E-10
337	470361.28	3819051.69	1.73E-09	7.27E-09	6.55E-10	9.65E-09	1.44E-09	5.34E-09	4.70E-10	7.25E-09	1.63E-10	9.36E-10	1.12E-10	1.21E-09	1.49E-10	4.90E-10	3.38E-11	6.72E-10
338	470369.85	3819055.36	1.68E-09	7.07E-09	6.37E-10	9.39E-09	1.40E-09	5.20E-09	4.57E-10	7.06E-09	1.59E-10	9.10E-10	1.09E-10	1.18E-09	1.45E-10	4.77E-10	3.29E-11	6.54E-10
339	470378.42	3819059.04	1.64E-09	6.88E-09	6.20E-10	9.14E-09	1.37E-09	5.06E-09	4.45E-10	6.87E-09	1.55E-10	8.86E-10	1.06E-10	1.15E-09	1.41E-10	4.64E-10	3.20E-11	6.37E-10
340	470386.98	3819062.72	1.60E-09	6.71E-09	6.04E-10	8.91E-09	1.33E-09	4.93E-09	4.33E-10	6.69E-09	1.51E-10	8.63E-10	1.03E-10	1.12E-09	1.37E-10	4.52E-10	3.12E-11	6.20E-10
341	470395.55	3819066.4	1.55E-09	6.53E-09	5.88E-10	8.67E-09	1.29E-09	4.80E-09	4.22E-10	6.51E-09	1.47E-10	8.40E-10	1.00E-10	1.09E-09	1.33E-10	4.40E-10	3.03E-11	6.04E-10
342	470404.12	3819070.07	1.52E-09	6.37E-09	5.73E-10	8.46E-09	1.26E-09	4.68E-09	4.12E-10	6.35E-09	1.43E-10	8.20E-10	9.78E-11	1.06E-09	1.30E-10	4.29E-10	2.96E-11	5.89E-10
343	470412.69	3819073.75	1.48E-09	6.22E-09	5.60E-10	8.26E-09	1.23E-09	4.57E-09	4.02E-10	6.21E-09	1.40E-10	8.01E-10	9.56E-11	1.04E-09	1.27E-10	4.19E-10	2.89E-11	5.75E-10
344	470421.25	3819077.43	1.45E-09	6.09E-09	5.49E-10	8.09E-09	1.21E-09	4.48E-09	3.94E-10	6.08E-09	1.37E-10	7.84E-10	9.36E-11	1.01E-09	1.25E-10	4.11E-10	2.83E-11	5.63E-10
345	470429.82	3819081.1	1.42E-09	5.98E-09	5.38E-10	7.94E-09	1.19E-09	4.39E-09	3.86E-10	5.96E-09	1.34E-10	7.69E-10	9.18E-11	9.96E-10	1.22E-10	4.03E-10	2.78E-11	5.53E-10
346	470441.87	3819093.43	1.45E-09	6.11E-09	5.50E-10	8.11E-09	1.21E-09	4.49E-09	3.95E-10	6.10E-09	1.37E-10	7.86E-10	9.38E-11	1.02E-09	1.25E-10	4.12E-10	2.84E-11	5.65E-10

347	470445.35	3819102.08	1.52E-09	6.36E-09	5.73E-10	8.45E-09	1.26E-09	4.68E-09	4.11E-10	6.35E-09	1.43E-10	8.19E-10	9.78E-11	1.06E-09	1.30E-10	4.29E-10	2.96E-11	5.89E-10
348	470448.83	3819110.73	1.58E-09	6.65E-09	5.99E-10	8.83E-09	1.32E-09	4.88E-09	4.30E-10	6.63E-09	1.49E-10	8.56E-10	1.02E-10	1.11E-09	1.36E-10	4.48E-10	3.09E-11	6.15E-10
349	470452.32	3819119.38	1.66E-09	6.96E-09	6.26E-10	9.24E-09	1.38E-09	5.11E-09	4.50E-10	6.94E-09	1.56E-10	8.95E-10	1.07E-10	1.16E-09	1.42E-10	4.69E-10	3.23E-11	6.43E-10
350	470455.8	3819128.02	1.74E-09	7.29E-09	6.57E-10	9.69E-09	1.45E-09	5.36E-09	4.71E-10	7.28E-09	1.64E-10	9.39E-10	1.12E-10	1.21E-09	1.49E-10	4.92E-10	3.39E-11	6.75E-10
351	470459.28	3819136.67	1.82E-09	7.66E-09	6.90E-10	1.02E-08	1.52E-09	5.63E-09	4.95E-10	7.65E-09	1.72E-10	9.86E-10	1.18E-10	1.28E-09	1.57E-10	5.16E-10	3.56E-11	7.09E-10
352	470462.76	3819145.32	1.92E-09	8.06E-09	7.26E-10	1.07E-08	1.60E-09	5.93E-09	5.21E-10	8.05E-09	1.81E-10	1.04E-09	1.24E-10	1.34E-09	1.65E-10	5.44E-10	3.75E-11	7.46E-10
353	470466.24	3819153.97	2.02E-09	8.50E-09	7.65E-10	1.13E-08	1.68E-09	6.24E-09	5.49E-10	8.48E-09	1.91E-10	1.09E-09	1.30E-10	1.42E-09	1.74E-10	5.73E-10	3.95E-11	7.86E-10
354	470469.73	3819162.62	2.13E-09	8.95E-09	8.06E-10	1.19E-08	1.78E-09	6.58E-09	5.79E-10	8.93E-09	2.01E-10	1.15E-09	1.37E-10	1.49E-09	1.83E-10	6.03E-10	4.16E-11	8.28E-10
355	470274.61	3819018.46	2.26E-09	9.48E-09	8.54E-10	1.26E-08	1.88E-09	6.97E-09	6.13E-10	9.46E-09	2.13E-10	1.22E-09	1.46E-10	1.58E-09	1.94E-10	6.39E-10	4.40E-11	8.77E-10
356	470265.05	3819018.32	2.35E-09	9.86E-09	8.88E-10	1.31E-08	1.96E-09	7.25E-09	6.38E-10	9.84E-09	2.22E-10	1.27E-09	1.51E-10	1.64E-09	2.02E-10	6.65E-10	4.58E-11	9.12E-10
357	470255.49	3819018.19	2.44E-09	1.02E-08	9.21E-10	1.36E-08	2.03E-09	7.52E-09	6.61E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.70E-09	2.09E-10	6.90E-10	4.75E-11	9.46E-10
358	470245.93	3819018.05	2.52E-09	1.06E-08	9.52E-10	1.40E-08	2.10E-09	7.77E-09	6.84E-10	1.06E-08	2.38E-10	1.36E-09	1.62E-10	1.76E-09	2.16E-10	7.13E-10	4.91E-11	9.78E-10
359	470236.36	3819017.92	2.59E-09	1.09E-08	9.81E-10	1.45E-08	2.16E-09	8.00E-09	7.04E-10	1.09E-08	2.45E-10	1.40E-09	1.67E-10	1.81E-09	2.23E-10	7.34E-10	5.06E-11	1.01E-09
360	470226.8	3819017.78	2.66E-09	1.12E-08	1.01E-09	1.48E-08	2.22E-09	8.21E-09	7.22E-10	1.11E-08	2.51E-10	1.44E-09	1.72E-10	1.86E-09	2.28E-10	7.53E-10	5.19E-11	1.03E-09
361	470217.24	3819017.65	2.72E-09	1.14E-08	1.03E-09	1.52E-08	2.26E-09	8.39E-09	7.38E-10	1.14E-08	2.57E-10	1.47E-09	1.75E-10	1.90E-09	2.33E-10	7.69E-10	5.30E-11	1.06E-09
362	470207.68	3819017.51	2.76E-09	1.16E-08	1.05E-09	1.54E-08	2.30E-09	8.53E-09	7.50E-10	1.16E-08	2.61E-10	1.49E-09	1.78E-10	1.93E-09	2.37E-10	7.82E-10	5.39E-11	1.07E-09
363	470198.12	3819017.38	2.80E-09	1.18E-08	1.06E-09	1.56E-08	2.33E-09	8.64E-09	7.60E-10	1.17E-08	2.64E-10	1.51E-09	1.80E-10	1.96E-09	2.40E-10	7.92E-10	5.46E-11	1.09E-09
364	470188.55	3819017.24	2.82E-09	1.18E-08	1.07E-09	1.57E-08	2.35E-09	8.70E-09	7.66E-10	1.18E-08	2.66E-10	1.52E-09	1.82E-10	1.97E-09	2.42E-10	7.98E-10	5.50E-11	1.10E-09
365	470159.87	3819016.84	2.81E-09	1.18E-08	1.06E-09	1.57E-08	2.34E-09	8.68E-09	7.63E-10	1.18E-08	2.66E-10	1.52E-09	1.81E-10	1.97E-09	2.41E-10	7.96E-10	5.49E-11	1.09E-09
366	470150.3	3819016.7	2.78E-09	1.17E-08	1.05E-09	1.55E-08	2.32E-09	8.59E-09	7.56E-10	1.17E-08	2.63E-10	1.51E-09	1.80E-10	1.95E-09	2.39E-10	7.88E-10	5.43E-11	1.08E-09
367	470140.74	3819016.57	2.75E-09	1.15E-08	1.04E-09	1.53E-08	2.29E-09	8.47E-09	7.45E-10	1.15E-08	2.59E-10	1.48E-09	1.77E-10	1.92E-09	2.36E-10	7.77E-10	5.36E-11	1.07E-09
368	470131.18	3819016.43	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.31E-09	7.31E-10	1.13E-08	2.54E-10	1.46E-09	1.74E-10	1.88E-09	2.31E-10	7.62E-10	5.26E-11	1.05E-09
369	470121.62	3819016.3	2.63E-09	1.10E-08	9.95E-10	1.47E-08	2.19E-09	8.12E-09	7.14E-10	1.10E-08	2.48E-10	1.42E-09	1.70E-10	1.84E-09	2.26E-10	7.45E-10	5.13E-11	1.02E-09
370	470112.06	3819016.16	2.56E-09	1.08E-08	9.69E-10	1.43E-08	2.13E-09	7.90E-09	6.95E-10	1.07E-08	2.42E-10	1.38E-09	1.65E-10	1.79E-09	2.20E-10	7.25E-10	5.00E-11	9.95E-10
371	470318.1	3819013.04	1.78E-09	7.49E-09	6.75E-10	9.95E-09	1.49E-09	5.51E-09	4.84E-10	7.48E-09	1.68E-10	9.65E-10	1.15E-10	1.25E-09	1.53E-10	5.05E-10	3.48E-11	6.93E-10
372	470326.52	3819016.65	1.74E-09	7.31E-09	6.59E-10	9.71E-09	1.45E-09	5.37E-09	4.73E-10	7.30E-09	1.64E-10	9.41E-10	1.12E-10	1.22E-09	1.50E-10	4.93E-10	3.40E-11	6.76E-10
373	470334.93	3819020.26	1.70E-09	7.12E-09	6.42E-10	9.46E-09	1.41E-09	5.23E-09	4.60E-10	7.11E-09	1.60E-10	9.17E-10	1.09E-10	1.19E-09	1.46E-10	4.80E-10	3.31E-11	6.59E-10
374	470343.34	3819023.87	1.65E-09	6.93E-09	6.24E-10	9.21E-09	1.37E-09	5.09E-09	4.48E-10	6.92E-09	1.56E-10	8.92E-10	1.06E-10	1.15E-09	1.42E-10	4.67E-10	3.22E-11	6.41E-10
375	470351.75	3819027.48	1.60E-09	6.74E-09	6.07E-10	8.95E-09	1.34E-09	4.95E-09	4.36E-10	6.72E-09	1.52E-10	8.67E-10	1.03E-10	1.12E-09	1.38E-10	4.54E-10	3.13E-11	6.23E-10
376	470360.16	3819031.09	1.56E-09	6.55E-09	5.90E-10	8.70E-09	1.30E-09	4.81E-09	4.23E-10	6.53E-09	1.47E-10	8.43E-10	1.01E-10	1.09E-09	1.34E-10	4.41E-10	3.04E-11	6.06E-10
377	470368.57	3819034.7	1.51E-09	6.36E-09	5.73E-10	8.45E-09	1.26E-09	4.67E-09	4.11E-10	6.35E-09	1.43E-10	8.19E-10	9.77E-11	1.06E-09	1.30E-10	4.29E-10	2.96E-11	5.88E-10
378	470376.99	3819038.31	1.47E-09	6.18E-09	5.57E-10	8.21E-09	1.23E-09	4.54E-09	4.00E-10	6.17E-09	1.39E-10	7.96E-10	9.49E-11	1.03E-09	1.26E-10	4.17E-10	2.87E-11	5.72E-10
379	470385.4	3819041.92	1.43E-09	6.01E-09	5.41E-10	7.98E-09	1.19E-09	4.42E-09	3.88E-10	6.00E-09	1.35E-10	7.74E-10	9.23E-11	1.00E-09	1.23E-10	4.05E-10	2.79E-11	5.56E-10
380	470393.81	3819045.53	1.39E-09	5.85E-09	5.26E-10	7.76E-09	1.16E-09	4.30E-09	3.78E-10	5.83E-09	1.31E-10	7.53E-10	8.98E-11	9.74E-10	1.20E-10	3.94E-10	2.72E-11	5.41E-10
381	470402.22	3819049.14	1.36E-09	5.71E-09	5.14E-10	7.58E-09	1.13E-09	4.19E-09	3.69E-10	5.69E-09	1.28E-10	7.34E-10	8.76E-11	9.50E-10	1.17E-10	3.85E-10	2.65E-11	5.28E-10
382	470410.63	3819052.75	1.33E-09	5.58E-09	5.03E-10	7.41E-09	1.11E-09	4.10E-09	3.61E-10	5.57E-09	1.25E-10	7.18E-10	8.57E-11	9.30E-10	1.14E-10	3.76E-10	2.59E-11	5.16E-10
383	470419.04	3819056.36	1.31E-09	5.48E-09	4.94E-10	7.28E-09	1.09E-09	4.03E-09	3.54E-10	5.47E-09	1.23E-10	7.06E-10	8.42E-11	9.13E-10	1.12E-10	3.70E-10	2.55E-11	5.07E-10
384	470427.46	3819059.97	1.28E-09	5.37E-09	4.83E-10	7.13E-09	1.06E-09	3.94E-09	3.47E-10	5.36E-09	1.21E-10	6.91E-10	8.24E-11	8.94E-10	1.10E-10	3.62E-10	2.49E-11	4.96E-10
385	470435.87	3819063.58	1.25E-09	5.26E-09	4.74E-10	6.99E-09	1.04E-09	3.87E-09	3.40E-10	5.25E-09	1.18E-10	6.78E-10	8.08E-11	8.77E-10	1.08E-10	3.55E-10	2.45E-11	4.87E-10
386	470444.28	3819067.19	1.23E-09	5.17E-09	4.66E-10	6.87E-09	1.03E-09	3.80E-09	3.34E-10	5.16E-09	1.16E-10	6.66E-10	7.94E-11	8.61E-10	1.06E-10	3.49E-10	2.40E-11	4.78E-10
387	470274.9	3818998.46	2.00E-09	8.39E-09	7.56E-10	1.11E-08	1.66E-09	6.16E-09	5.42E-10	8.37E-09	1.89E-10	1.08E-09	1.29E-10	1.40E-09	1.72E-10	5.66E-10	3.90E-11	7.76E-10
388	470265.33	3818998.32	2.07E-09	8.71E-09	7.84E-10	1.16E-08	1.73E-09	6.40E-09	5.63E-10	8.69E-09	1.96E-10	1.12E-09	1.34E-10	1.45E-09	1.78E-10	5.87E-10	4.05E-11	8.06E-10
389	470255.77	3818998.19	2.15E-09	9.01E-09	8.12E-10	1.20E-08	1.79E-09	6.62E-09	5.83E-10	8.99E-09	2.03E-10	1.16E-09	1.38E-10	1.50E-09	1.84E-10	6.08E-10	4.19E-11	8.34E-10
390	470246.21	3818998.05	2.21E-09	9.30E-09	8.37E-10	1.24E-08	1.84E-09	6.83E-09	6.01E-10	9.28E-09	2.09E-10	1.20E-09	1.43E-10	1.55E-09	1.90E-10	6.27E-10	4.32E-11	8.60E-10
391	470236.65	3818997.92	2.28E-09	9.56E-09	8.61E-10	1.27E-08	1.90E-09	7.03E-09	6.18E-10	9.54E-09	2.15E-10	1.23E-09	1.47E-10	1.59E-09	1.95E-10	6.44E-10	4.44E-11	8.84E-10
392	470227.08	3818997.78	2.33E-09	9.79E-09	8.82E-10	1.30E-08	1.94E-09	7.20E-09	6.33E-10	9.77E-09	2.20E-10	1.26E-09	1.50E-10	1.63E-09	2.00E-10	6.60E-10	4.55E-11	9.06E-10
393	470217.52	3818997.65	2.38E-09	9.99E-09	9.00E-10	1.33E-08	1.98E-09	7.34E-09	6.46E-10	9.97E-09	2.25E-10	1.29E-09	1.53E-10	1.66E-09	2.04E-10	6.74E-10	4.64E-11	9.24E-10
394	470207.96	3818997.51	2.42E-09	1.02E-08	9.15E-10	1.35E-08	2.01E-09	7.46E-09	6.56E-10	1.01E-08	2.28E-10	1.31E-09	1.56E-10	1.69E-09	2.08E-10	6.85E-10	4.72E-11	9.39E-10
395	470198.4	3818997.38	2.45E-09	1.03E-08	9.26E-10	1.37E-08	2.04E-09	7.55E-09	6.65E-10	1.03E-08	2.31E-10	1.32E-09	1.58E-10	1.71E-09	2.10E-10	6.93E-10	4.78E-11	9.51E-10
396	470188.84	3818997.24	2.47E-09	1.04E-08	9.33E-10	1.38E-08	2.06E-09	7.61E-09	6.70E-10	1.03E-08	2.33E-10	1.33E-09	1.59E-10	1.73E-09	2.12E-10	6.99E-10	4.82E-11	9.58E-10

397	470160.15	3818996.84	2.47E-09	1.04E-08	9.33E-10	1.38E-08	2.05E-09	7.61E-09	6.70E-10	1.03E-08	2.33E-10	1.33E-09	1.59E-10	1.73E-09	2.12E-10	6.98E-10	4.81E-11	9.58E-10
398	470150.59	3818996.7	2.45E-09	1.03E-08	9.25E-10	1.36E-08	2.04E-09	7.55E-09	6.64E-10	1.03E-08	2.31E-10	1.32E-09	1.58E-10	1.71E-09	2.10E-10	6.93E-10	4.77E-11	9.50E-10
399	470141.02	3818996.57	2.42E-09	1.02E-08	9.14E-10	1.35E-08	2.01E-09	7.46E-09	6.56E-10	1.01E-08	2.28E-10	1.31E-09	1.56E-10	1.69E-09	2.08E-10	6.84E-10	4.72E-11	9.39E-10
400	470131.46	3818996.43	2.38E-09	9.98E-09	8.99E-10	1.33E-08	1.98E-09	7.33E-09	6.45E-10	9.96E-09	2.24E-10	1.28E-09	1.53E-10	1.66E-09	2.04E-10	6.73E-10	4.64E-11	9.23E-10
401	470121.9	3818996.3	2.33E-09	9.78E-09	8.80E-10	1.30E-08	1.94E-09	7.18E-09	6.32E-10	9.75E-09	2.20E-10	1.26E-09	1.50E-10	1.63E-09	2.00E-10	6.59E-10	4.54E-11	9.04E-10
402	470112.34	3818996.16	2.27E-09	9.54E-09	8.59E-10	1.27E-08	1.89E-09	7.01E-09	6.17E-10	9.52E-09	2.15E-10	1.23E-09	1.47E-10	1.59E-09	1.95E-10	6.43E-10	4.43E-11	8.83E-10
403	470319.45	3818993.5	1.60E-09	6.72E-09	6.05E-10	8.92E-09	1.33E-09	4.93E-09	4.34E-10	6.70E-09	1.51E-10	8.65E-10	1.03E-10	1.12E-09	1.37E-10	4.53E-10	3.12E-11	6.21E-10
404	470328.13	3818997.22	1.56E-09	6.56E-09	5.90E-10	8.71E-09	1.30E-09	4.82E-09	4.24E-10	6.54E-09	1.47E-10	8.44E-10	1.01E-10	1.09E-09	1.34E-10	4.42E-10	3.05E-11	6.06E-10
405	470336.81	3819000.95	1.52E-09	6.39E-09	5.75E-10	8.49E-09	1.27E-09	4.70E-09	4.13E-10	6.38E-09	1.44E-10	8.23E-10	9.81E-11	1.06E-09	1.31E-10	4.31E-10	2.97E-11	5.91E-10
406	470345.49	3819004.67	1.48E-09	6.22E-09	5.60E-10	8.26E-09	1.23E-09	4.57E-09	4.02E-10	6.21E-09	1.40E-10	8.01E-10	9.55E-11	1.04E-09	1.27E-10	4.19E-10	2.89E-11	5.75E-10
407	470354.17	3819008.4	1.44E-09	6.05E-09	5.45E-10	8.03E-09	1.20E-09	4.44E-09	3.91E-10	6.04E-09	1.36E-10	7.79E-10	9.29E-11	1.01E-09	1.24E-10	4.08E-10	2.81E-11	5.59E-10
408	470362.85	3819012.12	1.40E-09	5.88E-09	5.29E-10	7.81E-09	1.17E-09	4.32E-09	3.80E-10	5.87E-09	1.32E-10	7.57E-10	9.03E-11	9.79E-10	1.20E-10	3.96E-10	2.73E-11	5.44E-10
409	470371.53	3819015.85	1.36E-09	5.71E-09	5.14E-10	7.59E-09	1.13E-09	4.20E-09	3.69E-10	5.70E-09	1.28E-10	7.35E-10	8.77E-11	9.51E-10	1.17E-10	3.85E-10	2.65E-11	5.28E-10
410	470380.21	3819019.57	1.32E-09	5.55E-09	5.00E-10	7.37E-09	1.10E-09	4.08E-09	3.59E-10	5.54E-09	1.25E-10	7.14E-10	8.52E-11	9.24E-10	1.13E-10	3.74E-10	2.58E-11	5.13E-10
411	470388.88	3819023.3	1.28E-09	5.39E-09	4.86E-10	7.16E-09	1.07E-09	3.96E-09	3.49E-10	5.38E-09	1.21E-10	6.94E-10	8.28E-11	8.98E-10	1.10E-10	3.63E-10	2.51E-11	4.99E-10
412	470397.56	3819027.02	1.25E-09	5.24E-09	4.72E-10	6.96E-09	1.04E-09	3.85E-09	3.39E-10	5.23E-09	1.18E-10	6.75E-10	8.05E-11	8.73E-10	1.07E-10	3.53E-10	2.44E-11	4.85E-10
413	470406.24	3819030.75	1.22E-09	5.10E-09	4.60E-10	6.78E-09	1.01E-09	3.75E-09	3.30E-10	5.09E-09	1.15E-10	6.57E-10	7.84E-11	8.50E-10	1.04E-10	3.44E-10	2.37E-11	4.72E-10
414	470414.92	3819034.47	1.19E-09	4.98E-09	4.48E-10	6.61E-09	9.88E-10	3.66E-09	3.22E-10	4.97E-09	1.12E-10	6.41E-10	7.65E-11	8.30E-10	1.02E-10	3.36E-10	2.31E-11	4.61E-10
415	470423.6	3819038.2	1.16E-09	4.88E-09	4.40E-10	6.48E-09	9.68E-10	3.59E-09	3.16E-10	4.87E-09	1.10E-10	6.28E-10	7.50E-11	8.13E-10	9.98E-11	3.29E-10	2.27E-11	4.52E-10
416	470432.28	3819041.92	1.14E-09	4.79E-09	4.31E-10	6.36E-09	9.50E-10	3.52E-09	3.09E-10	4.78E-09	1.08E-10	6.16E-10	7.35E-11	7.97E-10	9.79E-11	3.23E-10	2.22E-11	4.43E-10
417	470440.96	3819045.65	1.12E-09	4.69E-09	4.22E-10	6.23E-09	9.30E-10	3.44E-09	3.03E-10	4.68E-09	1.05E-10	6.03E-10	7.20E-11	7.81E-10	9.58E-11	3.16E-10	2.18E-11	4.34E-10
418	470275.18	3818978.46	1.78E-09	7.48E-09	6.74E-10	9.94E-09	1.48E-09	5.50E-09	4.84E-10	7.46E-09	1.68E-10	9.63E-10	1.15E-10	1.25E-09	1.53E-10	5.04E-10	3.48E-11	6.92E-10
419	470265.62	3818978.33	1.84E-09	7.75E-09	6.98E-10	1.03E-08	1.54E-09	5.69E-09	5.01E-10	7.73E-09	1.74E-10	9.97E-10	1.19E-10	1.29E-09	1.58E-10	5.22E-10	3.60E-11	7.17E-10
420	470256.05	3818978.19	1.91E-09	8.00E-09	7.21E-10	1.06E-08	1.59E-09	5.88E-09	5.17E-10	7.98E-09	1.80E-10	1.03E-09	1.23E-10	1.33E-09	1.64E-10	5.39E-10	3.72E-11	7.40E-10
421	470246.49	3818978.06	1.96E-09	8.24E-09	7.42E-10	1.09E-08	1.63E-09	6.06E-09	5.33E-10	8.22E-09	1.85E-10	1.06E-09	1.27E-10	1.37E-09	1.68E-10	5.55E-10	3.83E-11	7.62E-10
422	470236.93	3818977.92	2.01E-09	8.46E-09	7.62E-10	1.12E-08	1.68E-09	6.22E-09	5.47E-10	8.44E-09	1.90E-10	1.09E-09	1.30E-10	1.41E-09	1.73E-10	5.70E-10	3.93E-11	7.82E-10
423	470227.37	3818977.79	2.06E-09	8.65E-09	7.79E-10	1.15E-08	1.72E-09	6.36E-09	5.59E-10	8.64E-09	1.95E-10	1.11E-09	1.33E-10	1.44E-09	1.77E-10	5.83E-10	4.02E-11	8.00E-10
424	470217.8	3818977.65	2.10E-09	8.82E-09	7.95E-10	1.17E-08	1.75E-09	6.48E-09	5.70E-10	8.80E-09	1.98E-10	1.14E-09	1.36E-10	1.47E-09	1.80E-10	5.95E-10	4.10E-11	8.16E-10
425	470208.24	3818977.52	2.13E-09	8.96E-09	8.07E-10	1.19E-08	1.78E-09	6.59E-09	5.79E-10	8.94E-09	2.02E-10	1.15E-09	1.38E-10	1.49E-09	1.83E-10	6.04E-10	4.16E-11	8.29E-10
426	470198.68	3818977.38	2.16E-09	9.07E-09	8.17E-10	1.20E-08	1.80E-09	6.66E-09	5.86E-10	9.05E-09	2.04E-10	1.17E-09	1.39E-10	1.51E-09	1.85E-10	6.11E-10	4.21E-11	8.39E-10
427	470189.12	3818977.25	2.18E-09	9.14E-09	8.23E-10	1.21E-08	1.81E-09	6.72E-09	5.91E-10	9.12E-09	2.06E-10	1.18E-09	1.40E-10	1.52E-09	1.87E-10	6.16E-10	4.25E-11	8.46E-10
428	470160.43	3818976.84	2.18E-09	9.16E-09	8.25E-10	1.22E-08	1.82E-09	6.73E-09	5.92E-10	9.14E-09	2.06E-10	1.18E-09	1.41E-10	1.53E-09	1.87E-10	6.17E-10	4.26E-11	8.47E-10
429	470150.87	3818976.71	2.17E-09	9.10E-09	8.19E-10	1.21E-08	1.80E-09	6.68E-09	5.88E-10	9.08E-09	2.05E-10	1.17E-09	1.40E-10	1.52E-09	1.86E-10	6.13E-10	4.23E-11	8.41E-10
430	470141.31	3818976.57	2.14E-09	9.00E-09	8.11E-10	1.20E-08	1.79E-09	6.62E-09	5.82E-10	8.98E-09	2.02E-10	1.16E-09	1.38E-10	1.50E-09	1.84E-10	6.07E-10	4.18E-11	8.33E-10
431	470131.74	3818976.44	2.11E-09	8.87E-09	7.99E-10	1.18E-08	1.76E-09	6.52E-09	5.73E-10	8.85E-09	1.99E-10	1.14E-09	1.36E-10	1.48E-09	1.81E-10	5.98E-10	4.12E-11	8.21E-10
432	470122.18	3818976.3	2.07E-09	8.71E-09	7.85E-10	1.16E-08	1.73E-09	6.40E-09	5.63E-10	8.69E-09	1.96E-10	1.12E-09	1.34E-10	1.45E-09	1.78E-10	5.87E-10	4.05E-11	8.06E-10
433	470112.62	3818976.17	2.03E-09	8.53E-09	7.68E-10	1.13E-08	1.69E-09	6.27E-09	5.52E-10	8.51E-09	1.92E-10	1.10E-09	1.31E-10	1.42E-09	1.74E-10	5.75E-10	3.96E-11	7.89E-10
434	470319.16	3818973.25	1.44E-09	6.05E-09	5.45E-10	8.04E-09	1.20E-09	4.45E-09	3.91E-10	6.04E-09	1.36E-10	7.79E-10	9.29E-11	1.01E-09	1.24E-10	4.08E-10	2.81E-11	5.60E-10
435	470327.69	3818976.91	1.41E-09	5.93E-09	5.34E-10	7.87E-09	1.18E-09	4.35E-09	3.83E-10	5.91E-09	1.33E-10	7.63E-10	9.10E-11	9.87E-10	1.21E-10	3.99E-10	2.75E-11	5.48E-10
436	470336.22	3818980.57	1.38E-09	5.79E-09	5.22E-10	7.69E-09	1.15E-09	4.26E-09	3.74E-10	5.78E-09	1.30E-10	7.46E-10	8.90E-11	9.65E-10	1.18E-10	3.90E-10	2.69E-11	5.36E-10
437	470344.76	3818984.24	1.35E-09	5.66E-09	5.10E-10	7.52E-09	1.12E-09	4.16E-09	3.66E-10	5.65E-09	1.27E-10	7.28E-10	8.69E-11	9.43E-10	1.16E-10	3.81E-10	2.63E-11	5.23E-10
438	470353.29	3818987.9	1.31E-09	5.52E-09	4.97E-10	7.33E-09	1.09E-09	4.05E-09	3.57E-10	5.51E-09	1.24E-10	7.10E-10	8.47E-11	9.19E-10	1.13E-10	3.72E-10	2.56E-11	5.10E-10
439	470361.82	3818991.56	1.28E-09	5.37E-09	4.84E-10	7.14E-09	1.07E-09	3.95E-09	3.47E-10	5.36E-09	1.21E-10	6.92E-10	8.25E-11	8.95E-10	1.10E-10	3.62E-10	2.50E-11	4.97E-10
440	470370.36	3818995.22	1.25E-09	5.23E-09	4.71E-10	6.94E-09	1.04E-09	3.84E-09	3.38E-10	5.22E-09	1.18E-10	6.73E-10	8.03E-11	8.71E-10	1.07E-10	3.52E-10	2.43E-11	4.84E-10
441	470378.89	3818998.89	1.21E-09	5.09E-09	4.58E-10	6.76E-09	1.01E-09	3.74E-09	3.29E-10	5.08E-09	1.14E-10	6.55E-10	7.81E-11	8.47E-10	1.04E-10	3.43E-10	2.36E-11	4.70E-10
442	470387.42	3819002.55	1.18E-09	4.95E-09	4.46E-10	6.57E-09	9.81E-10	3.64E-09	3.20E-10	4.94E-09	1.11E-10	6.37E-10	7.60E-11	8.24E-10	1.01E-10	3.34E-10	2.30E-11	4.58E-10
443	470395.96	3819006.21	1.15E-09	4.81E-09	4.34E-10	6.39E-09	9.55E-10	3.54E-09	3.11E-10	4.80E-09	1.08E-10	6.20E-10	7.39E-11	8.02E-10	9.84E-11	3.24E-10	2.24E-11	4.45E-10
444	470404.49	3819009.88	1.12E-09	4.69E-09	4.22E-10	6.22E-09	9.29E-10	3.44E-09	3.03E-10	4.68E-09	1.05E-10	6.03E-10	7.20E-11	7.81E-10	9.58E-11	3.16E-10	2.18E-11	4.33E-10
445	470413.03	3819013.54	1.09E-09	4.56E-09	4.11E-10	6.06E-09	9.05E-10	3.35E-09	2.95E-10	4.55E-09	1.03E-10	5.88E-10	7.01E-11	7.60E-10	9.33E-11	3.08E-10	2.12E-11	4.22E-10
446	470421.56	3819017.2	1.06E-09	4.45E-09	4.01E-10	5.91E-09	8.83E-10	3.27E-09	2.88E-10	4.44E-09	1.00E-10	5.73E-10	6.84E-11	7.41E-10	9.10E-11	3.00E-10	2.07E-11	4.12E-10

447	470430.09	3819020.86	1.04E-09	4.35E-09	3.92E-10	5.78E-09	8.63E-10	3.20E-09	2.81E-10	4.34E-09	9.78E-11	5.60E-10	6.68E-11	7.25E-10	8.90E-11	2.93E-10	2.02E-11	4.02E-10
448	470438.63	3819024.53	1.02E-09	4.27E-09	3.84E-10	5.67E-09	8.46E-10	3.13E-09	2.76E-10	4.26E-09	9.59E-11	5.49E-10	6.55E-11	7.11E-10	8.72E-11	2.88E-10	1.98E-11	3.95E-10
449	470554.12	3819223.74	2.23E-09	9.36E-09	8.43E-10	1.24E-08	1.86E-09	6.87E-09	6.05E-10	9.33E-09	2.10E-10	1.20E-09	1.44E-10	1.56E-09	1.91E-10	6.31E-10	4.35E-11	8.65E-10
450	470557.59	3819232.36	2.30E-09	9.66E-09	8.70E-10	1.28E-08	1.92E-09	7.10E-09	6.24E-10	9.64E-09	2.17E-10	1.24E-09	1.48E-10	1.61E-09	1.97E-10	6.51E-10	4.49E-11	8.93E-10
451	470275.46	3818958.46	1.60E-09	6.71E-09	6.04E-10	8.91E-09	1.33E-09	4.93E-09	4.34E-10	6.70E-09	1.51E-10	8.64E-10	1.03E-10	1.12E-09	1.37E-10	4.52E-10	3.12E-11	6.21E-10
452	470265.9	3818958.33	1.65E-09	6.94E-09	6.25E-10	9.21E-09	1.38E-09	5.10E-09	4.48E-10	6.92E-09	1.56E-10	8.93E-10	1.07E-10	1.16E-09	1.42E-10	4.67E-10	3.22E-11	6.41E-10
453	470256.34	3818958.19	1.70E-09	7.15E-09	6.44E-10	9.50E-09	1.42E-09	5.25E-09	4.62E-10	7.13E-09	1.61E-10	9.20E-10	1.10E-10	1.19E-09	1.46E-10	4.82E-10	3.32E-11	6.61E-10
454	470246.77	3818958.06	1.75E-09	7.35E-09	6.62E-10	9.77E-09	1.46E-09	5.40E-09	4.75E-10	7.34E-09	1.65E-10	9.46E-10	1.13E-10	1.22E-09	1.50E-10	4.96E-10	3.42E-11	6.80E-10
455	470237.21	3818957.92	1.79E-09	7.54E-09	6.79E-10	1.00E-08	1.49E-09	5.54E-09	4.87E-10	7.52E-09	1.69E-10	9.70E-10	1.16E-10	1.26E-09	1.54E-10	5.08E-10	3.50E-11	6.97E-10
456	470227.65	3818957.79	1.83E-09	7.70E-09	6.94E-10	1.02E-08	1.53E-09	5.66E-09	4.98E-10	7.69E-09	1.73E-10	9.92E-10	1.18E-10	1.28E-09	1.57E-10	5.19E-10	3.58E-11	7.12E-10
457	470218.09	3818957.65	1.87E-09	7.85E-09	7.07E-10	1.04E-08	1.56E-09	5.77E-09	5.07E-10	7.83E-09	1.76E-10	1.01E-09	1.21E-10	1.31E-09	1.60E-10	5.29E-10	3.65E-11	7.26E-10
458	470208.52	3818957.52	1.90E-09	7.97E-09	7.17E-10	1.06E-08	1.58E-09	5.85E-09	5.15E-10	7.95E-09	1.79E-10	1.03E-09	1.22E-10	1.33E-09	1.63E-10	5.37E-10	3.70E-11	7.37E-10
459	470198.96	3818957.38	1.92E-09	8.06E-09	7.26E-10	1.07E-08	1.60E-09	5.92E-09	5.21E-10	8.04E-09	1.81E-10	1.04E-09	1.24E-10	1.34E-09	1.65E-10	5.43E-10	3.74E-11	7.45E-10
460	470189.4	3818957.25	1.93E-09	8.12E-09	7.32E-10	1.08E-08	1.61E-09	5.97E-09	5.25E-10	8.11E-09	1.83E-10	1.05E-09	1.25E-10	1.35E-09	1.66E-10	5.48E-10	3.78E-11	7.51E-10
461	470160.71	3818956.84	1.94E-09	8.15E-09	7.34E-10	1.08E-08	1.62E-09	5.99E-09	5.27E-10	8.14E-09	1.83E-10	1.05E-09	1.25E-10	1.36E-09	1.67E-10	5.50E-10	3.79E-11	7.54E-10
462	470151.15	3818956.71	1.93E-09	8.11E-09	7.30E-10	1.08E-08	1.61E-09	5.96E-09	5.24E-10	8.09E-09	1.82E-10	1.04E-09	1.25E-10	1.35E-09	1.66E-10	5.46E-10	3.77E-11	7.50E-10
463	470141.59	3818956.57	1.91E-09	8.04E-09	7.24E-10	1.07E-08	1.59E-09	5.90E-09	5.19E-10	8.02E-09	1.81E-10	1.03E-09	1.23E-10	1.34E-09	1.64E-10	5.42E-10	3.73E-11	7.43E-10
464	470132.03	3818956.44	1.89E-09	7.94E-09	7.15E-10	1.05E-08	1.57E-09	5.83E-09	5.13E-10	7.92E-09	1.79E-10	1.02E-09	1.22E-10	1.32E-09	1.62E-10	5.35E-10	3.69E-11	7.34E-10
465	470122.46	3818956.3	1.86E-09	7.82E-09	7.04E-10	1.04E-08	1.55E-09	5.75E-09	5.06E-10	7.80E-09	1.76E-10	1.01E-09	1.20E-10	1.30E-09	1.60E-10	5.27E-10	3.63E-11	7.23E-10
466	470112.9	3818956.17	1.83E-09	7.68E-09	6.92E-10	1.02E-08	1.52E-09	5.65E-09	4.97E-10	7.67E-09	1.73E-10	9.89E-10	1.18E-10	1.28E-09	1.57E-10	5.18E-10	3.57E-11	7.11E-10
467	470320.35	3818953.64	1.30E-09	5.46E-09	4.91E-10	7.25E-09	1.08E-09	4.01E-09	3.53E-10	5.44E-09	1.23E-10	7.02E-10	8.38E-11	9.09E-10	1.12E-10	3.68E-10	2.53E-11	5.05E-10
468	470329.12	3818957.4	1.27E-09	5.34E-09	4.81E-10	7.09E-09	1.06E-09	3.92E-09	3.45E-10	5.33E-09	1.20E-10	6.87E-10	8.20E-11	8.89E-10	1.09E-10	3.60E-10	2.48E-11	4.94E-10
469	470337.88	3818961.16	1.24E-09	5.22E-09	4.70E-10	6.93E-09	1.04E-09	3.84E-09	3.37E-10	5.21E-09	1.17E-10	6.72E-10	8.02E-11	8.70E-10	1.07E-10	3.52E-10	2.43E-11	4.83E-10
470	470346.64	3818964.93	1.21E-09	5.10E-09	4.59E-10	6.78E-09	1.01E-09	3.75E-09	3.30E-10	5.09E-09	1.15E-10	6.57E-10	7.83E-11	8.50E-10	1.04E-10	3.44E-10	2.37E-11	4.72E-10
471	470355.4	3818968.69	1.19E-09	4.98E-09	4.48E-10	6.61E-09	9.87E-10	3.66E-09	3.22E-10	4.97E-09	1.12E-10	6.41E-10	7.65E-11	8.29E-10	1.02E-10	3.36E-10	2.31E-11	4.60E-10
472	470364.16	3818972.45	1.16E-09	4.86E-09	4.37E-10	6.45E-09	9.63E-10	3.57E-09	3.14E-10	4.84E-09	1.09E-10	6.25E-10	7.46E-11	8.09E-10	9.93E-11	3.27E-10	2.26E-11	4.49E-10
473	470372.93	3818976.21	1.13E-09	4.73E-09	4.26E-10	6.29E-09	9.39E-10	3.48E-09	3.06E-10	4.72E-09	1.06E-10	6.09E-10	7.27E-11	7.88E-10	9.67E-11	3.19E-10	2.20E-11	4.38E-10
474	470381.69	3818979.97	1.10E-09	4.61E-09	4.15E-10	6.13E-09	9.15E-10	3.39E-09	2.98E-10	4.60E-09	1.04E-10	5.94E-10	7.08E-11	7.68E-10	9.43E-11	3.11E-10	2.14E-11	4.27E-10
475	470390.45	3818983.73	1.07E-09	4.50E-09	4.05E-10	5.97E-09	8.92E-10	3.30E-09	2.91E-10	4.49E-09	1.01E-10	5.79E-10	6.90E-11	7.49E-10	9.19E-11	3.03E-10	2.09E-11	4.16E-10
476	470399.21	3818987.49	1.04E-09	4.38E-09	3.94E-10	5.81E-09	8.68E-10	3.22E-09	2.83E-10	4.37E-09	9.84E-11	5.63E-10	6.72E-11	7.29E-10	8.95E-11	2.95E-10	2.03E-11	4.05E-10
477	470407.97	3818991.25	1.01E-09	4.26E-09	3.84E-10	5.66E-09	8.45E-10	3.13E-09	2.75E-10	4.25E-09	9.58E-11	5.48E-10	6.54E-11	7.09E-10	8.71E-11	2.87E-10	1.98E-11	3.94E-10
478	470416.74	3818995.01	9.87E-10	4.15E-09	3.73E-10	5.51E-09	8.22E-10	3.05E-09	2.68E-10	4.14E-09	9.32E-11	5.34E-10	6.37E-11	6.91E-10	8.47E-11	2.79E-10	1.93E-11	3.83E-10
479	470425.5	3818998.77	9.62E-10	4.04E-09	3.64E-10	5.37E-09	8.01E-10	2.97E-09	2.61E-10	4.03E-09	9.08E-11	5.20E-10	6.20E-11	6.73E-10	8.26E-11	2.72E-10	1.88E-11	3.74E-10
480	470434.26	3819002.53	9.38E-10	3.94E-09	3.55E-10	5.23E-09	7.81E-10	2.89E-09	2.55E-10	3.93E-09	8.86E-11	5.07E-10	6.05E-11	6.56E-10	8.05E-11	2.66E-10	1.83E-11	3.64E-10
481	470534.77	3819126.16	1.28E-09	5.40E-09	4.86E-10	7.17E-09	1.07E-09	3.96E-09	3.49E-10	5.38E-09	1.21E-10	6.95E-10	8.29E-11	8.99E-10	1.10E-10	3.64E-10	2.51E-11	4.99E-10
482	470538.33	3819135	1.35E-09	5.65E-09	5.09E-10	7.51E-09	1.12E-09	4.16E-09	3.66E-10	5.64E-09	1.27E-10	7.28E-10	8.68E-11	9.42E-10	1.16E-10	3.81E-10	2.63E-11	5.23E-10
483	470541.89	3819143.85	1.41E-09	5.93E-09	5.34E-10	7.87E-09	1.18E-09	4.36E-09	3.83E-10	5.91E-09	1.33E-10	7.63E-10	9.10E-11	9.87E-10	1.21E-10	3.99E-10	2.75E-11	5.48E-10
484	470545.45	3819152.69	1.48E-09	6.21E-09	5.59E-10	8.25E-09	1.23E-09	4.56E-09	4.01E-10	6.20E-09	1.40E-10	7.99E-10	9.54E-11	1.03E-09	1.27E-10	4.18E-10	2.88E-11	5.74E-10
485	470549.01	3819161.54	1.55E-09	6.50E-09	5.85E-10	8.63E-09	1.29E-09	4.78E-09	4.20E-10	6.48E-09	1.46E-10	8.37E-10	9.98E-11	1.08E-09	1.33E-10	4.38E-10	3.02E-11	6.01E-10
486	470552.57	3819170.38	1.62E-09	6.79E-09	6.12E-10	9.02E-09	1.35E-09	4.99E-09	4.39E-10	6.78E-09	1.53E-10	8.75E-10	1.04E-10	1.13E-09	1.39E-10	4.58E-10	3.16E-11	6.28E-10
487	470556.13	3819179.23	1.69E-09	7.09E-09	6.39E-10	9.42E-09	1.41E-09	5.21E-09	4.59E-10	7.08E-09	1.60E-10	9.13E-10	1.09E-10	1.18E-09	1.45E-10	4.78E-10	3.30E-11	6.56E-10
488	470559.69	3819188.07	1.76E-09	7.39E-09	6.66E-10	9.82E-09	1.47E-09	5.43E-09	4.78E-10	7.38E-09	1.66E-10	9.52E-10	1.14E-10	1.23E-09	1.51E-10	4.98E-10	3.44E-11	6.84E-10
489	470563.25	3819196.92	1.83E-09	7.69E-09	6.93E-10	1.02E-08	1.53E-09	5.65E-09	4.97E-10	7.68E-09	1.73E-10	9.90E-10	1.18E-10	1.28E-09	1.57E-10	5.19E-10	3.57E-11	7.12E-10
490	470566.81	3819205.76	1.90E-09	7.99E-09	7.19E-10	1.06E-08	1.58E-09	5.87E-09	5.16E-10	7.97E-09	1.80E-10	1.03E-09	1.23E-10	1.33E-09	1.63E-10	5.38E-10	3.71E-11	7.39E-10
491	470570.38	3819214.61	1.97E-09	8.28E-09	7.45E-10	1.10E-08	1.64E-09	6.08E-09	5.35E-10	8.26E-09	1.86E-10	1.07E-09	1.27E-10	1.38E-09	1.69E-10	5.58E-10	3.85E-11	7.66E-10
492	470573.94	3819223.45	2.04E-09	8.56E-09	7.71E-10	1.14E-08	1.70E-09	6.29E-09	5.53E-10	8.54E-09	1.92E-10	1.10E-09	1.31E-10	1.43E-09	1.75E-10	5.77E-10	3.98E-11	7.91E-10
493	470577.5	3819232.3	2.10E-09	8.82E-09	7.95E-10	1.17E-08	1.75E-09	6.48E-09	5.70E-10	8.80E-09	1.98E-10	1.14E-09	1.36E-10	1.47E-09	1.80E-10	5.95E-10	4.10E-11	8.16E-10
494	470275.74	3818938.46	1.44E-09	6.05E-09	5.45E-10	8.04E-09	1.20E-09	4.45E-09	3.91E-10	6.04E-09	1.36E-10	7.79E-10	9.30E-11	1.01E-09	1.24E-10	4.08E-10	2.81E-11	5.60E-10
495	470266.18	3818938.33	1.49E-09	6.24E-09	5.62E-10	8.29E-09	1.24E-09	4.59E-09	4.04E-10	6.23E-09	1.40E-10	8.04E-10	9.59E-11	1.04E-09	1.28E-10	4.21E-10	2.90E-11	5.78E-10
496	470256.62	3818938.19	1.53E-09	6.43E-09	5.79E-10	8.54E-09	1.27E-09	4.72E-09	4.15E-10	6.41E-09	1.45E-10	8.27E-10	9.87E-11	1.07E-09	1.31E-10	4.33E-10	2.99E-11	5.95E-10

497	470247.06	3818938.06	1.57E-09	6.60E-09	5.94E-10	8.77E-09	1.31E-09	4.85E-09	4.27E-10	6.58E-09	1.48E-10	8.50E-10	1.01E-10	1.10E-09	1.35E-10	4.45E-10	3.07E-11	6.10E-10
498	470237.49	3818937.92	1.61E-09	6.76E-09	6.09E-10	8.97E-09	1.34E-09	4.97E-09	4.37E-10	6.74E-09	1.52E-10	8.70E-10	1.04E-10	1.13E-09	1.38E-10	4.55E-10	3.14E-11	6.25E-10
499	470227.93	3818937.79	1.64E-09	6.90E-09	6.21E-10	9.16E-09	1.37E-09	5.07E-09	4.46E-10	6.88E-09	1.55E-10	8.88E-10	1.06E-10	1.15E-09	1.41E-10	4.65E-10	3.21E-11	6.38E-10
500	470218.37	3818937.65	1.67E-09	7.02E-09	6.32E-10	9.33E-09	1.39E-09	5.16E-09	4.54E-10	7.01E-09	1.58E-10	9.04E-10	1.08E-10	1.17E-09	1.44E-10	4.73E-10	3.26E-11	6.50E-10
501	470208.81	3818937.52	1.70E-09	7.13E-09	6.42E-10	9.46E-09	1.41E-09	5.24E-09	4.61E-10	7.11E-09	1.60E-10	9.17E-10	1.09E-10	1.19E-09	1.46E-10	4.80E-10	3.31E-11	6.59E-10
502	470199.24	3818937.38	1.72E-09	7.21E-09	6.49E-10	9.57E-09	1.43E-09	5.30E-09	4.66E-10	7.19E-09	1.62E-10	9.28E-10	1.11E-10	1.20E-09	1.47E-10	4.86E-10	3.35E-11	6.67E-10
503	470189.68	3818937.25	1.73E-09	7.27E-09	6.54E-10	9.65E-09	1.44E-09	5.34E-09	4.70E-10	7.25E-09	1.63E-10	9.35E-10	1.12E-10	1.21E-09	1.49E-10	4.90E-10	3.38E-11	6.72E-10
504	470161	3818936.84	1.74E-09	7.30E-09	6.58E-10	9.70E-09	1.45E-09	5.37E-09	4.72E-10	7.29E-09	1.64E-10	9.40E-10	1.12E-10	1.22E-09	1.49E-10	4.92E-10	3.39E-11	6.76E-10
505	470151.43	3818936.71	1.73E-09	7.27E-09	6.55E-10	9.66E-09	1.44E-09	5.34E-09	4.70E-10	7.25E-09	1.63E-10	9.36E-10	1.12E-10	1.21E-09	1.49E-10	4.90E-10	3.38E-11	6.72E-10
506	470141.87	3818936.57	1.72E-09	7.21E-09	6.50E-10	9.58E-09	1.43E-09	5.30E-09	4.66E-10	7.20E-09	1.62E-10	9.29E-10	1.11E-10	1.20E-09	1.47E-10	4.86E-10	3.35E-11	6.67E-10
507	470132.31	3818936.44	1.70E-09	7.14E-09	6.43E-10	9.48E-09	1.42E-09	5.24E-09	4.61E-10	7.12E-09	1.60E-10	9.19E-10	1.10E-10	1.19E-09	1.46E-10	4.81E-10	3.32E-11	6.60E-10
508	470122.75	3818936.3	1.68E-09	7.04E-09	6.34E-10	9.35E-09	1.40E-09	5.17E-09	4.55E-10	7.03E-09	1.58E-10	9.07E-10	1.08E-10	1.17E-09	1.44E-10	4.75E-10	3.27E-11	6.51E-10
509	470113.18	3818936.17	1.65E-09	6.93E-09	6.24E-10	9.20E-09	1.37E-09	5.09E-09	4.48E-10	6.91E-09	1.56E-10	8.92E-10	1.06E-10	1.15E-09	1.42E-10	4.67E-10	3.22E-11	6.41E-10
510	470319.92	3818913.22	1.09E-09	4.56E-09	4.11E-10	6.06E-09	9.05E-10	3.35E-09	2.95E-10	4.55E-09	1.03E-10	5.88E-10	7.01E-11	7.60E-10	9.33E-11	3.08E-10	2.12E-11	4.22E-10
511	470328.43	3818916.87	1.07E-09	4.48E-09	4.03E-10	5.95E-09	8.89E-10	3.29E-09	2.90E-10	4.47E-09	1.01E-10	5.77E-10	6.88E-11	7.46E-10	9.16E-11	3.02E-10	2.08E-11	4.14E-10
512	470336.94	3818920.52	1.05E-09	4.39E-09	3.95E-10	5.83E-09	8.71E-10	3.23E-09	2.84E-10	4.38E-09	9.87E-11	5.65E-10	6.74E-11	7.31E-10	8.98E-11	2.96E-10	2.04E-11	4.06E-10
513	470345.45	3818924.18	1.02E-09	4.30E-09	3.87E-10	5.71E-09	8.53E-10	3.16E-09	2.78E-10	4.29E-09	9.67E-11	5.54E-10	6.60E-11	7.16E-10	8.79E-11	2.90E-10	2.00E-11	3.98E-10
514	470353.96	3818927.83	1.00E-09	4.21E-09	3.79E-10	5.59E-09	8.34E-10	3.09E-09	2.72E-10	4.20E-09	9.46E-11	5.42E-10	6.46E-11	7.01E-10	8.60E-11	2.84E-10	1.95E-11	3.89E-10
515	470362.48	3818931.48	9.79E-10	4.11E-09	3.70E-10	5.46E-09	8.15E-10	3.02E-09	2.66E-10	4.10E-09	9.24E-11	5.29E-10	6.31E-11	6.85E-10	8.40E-11	2.77E-10	1.91E-11	3.80E-10
516	470370.99	3818935.14	9.56E-10	4.01E-09	3.62E-10	5.33E-09	7.96E-10	2.95E-09	2.60E-10	4.01E-09	9.03E-11	5.17E-10	6.17E-11	6.69E-10	8.21E-11	2.71E-10	1.87E-11	3.71E-10
517	470379.5	3818938.79	9.33E-10	3.92E-09	3.53E-10	5.20E-09	7.77E-10	2.88E-09	2.53E-10	3.91E-09	8.81E-11	5.04E-10	6.02E-11	6.53E-10	8.01E-11	2.64E-10	1.82E-11	3.62E-10
518	470388.01	3818942.44	9.11E-10	3.83E-09	3.45E-10	5.08E-09	7.59E-10	2.81E-09	2.47E-10	3.82E-09	8.61E-11	4.93E-10	5.88E-11	6.38E-10	7.82E-11	2.58E-10	1.78E-11	3.54E-10
519	470396.52	3818946.1	8.91E-10	3.74E-09	3.37E-10	4.97E-09	7.42E-10	2.75E-09	2.42E-10	3.73E-09	8.41E-11	4.82E-10	5.75E-11	6.23E-10	7.65E-11	2.52E-10	1.74E-11	3.46E-10
520	470405.03	3818949.75	8.71E-10	3.66E-09	3.29E-10	4.86E-09	7.26E-10	2.69E-09	2.37E-10	3.65E-09	8.23E-11	4.71E-10	5.62E-11	6.09E-10	7.48E-11	2.47E-10	1.70E-11	3.38E-10
521	470413.55	3818953.4	8.52E-10	3.58E-09	3.22E-10	4.75E-09	7.10E-10	2.63E-09	2.31E-10	3.57E-09	8.05E-11	4.61E-10	5.50E-11	5.96E-10	7.31E-11	2.41E-10	1.66E-11	3.31E-10
522	470422.06	3818957.06	8.32E-10	3.49E-09	3.15E-10	4.64E-09	6.93E-10	2.57E-09	2.26E-10	3.49E-09	7.85E-11	4.50E-10	5.37E-11	5.82E-10	7.14E-11	2.35E-10	1.62E-11	3.23E-10
523	470551.87	3819069.64	8.62E-10	3.62E-09	3.26E-10	4.81E-09	7.18E-10	2.66E-09	2.34E-10	3.61E-09	8.14E-11	4.66E-10	5.56E-11	6.03E-10	7.40E-11	2.44E-10	1.68E-11	3.35E-10
524	470555.33	3819078.23	8.97E-10	3.77E-09	3.39E-10	5.00E-09	7.47E-10	2.77E-09	2.44E-10	3.76E-09	8.47E-11	4.85E-10	5.79E-11	6.28E-10	7.70E-11	2.54E-10	1.75E-11	3.49E-10
525	470558.79	3819086.82	9.35E-10	3.93E-09	3.54E-10	5.21E-09	7.79E-10	2.89E-09	2.54E-10	3.92E-09	8.83E-11	5.05E-10	6.03E-11	6.54E-10	8.03E-11	2.65E-10	1.82E-11	3.63E-10
526	470562.25	3819095.41	9.75E-10	4.10E-09	3.69E-10	5.44E-09	8.12E-10	3.01E-09	2.65E-10	4.09E-09	9.21E-11	5.27E-10	6.29E-11	6.82E-10	8.37E-11	2.76E-10	1.90E-11	3.79E-10
527	470565.71	3819104.01	1.02E-09	4.27E-09	3.85E-10	5.68E-09	8.48E-10	3.14E-09	2.76E-10	4.26E-09	9.61E-11	5.50E-10	6.56E-11	7.12E-10	8.74E-11	2.88E-10	1.99E-11	3.95E-10
528	470569.17	3819112.6	1.06E-09	4.46E-09	4.02E-10	5.92E-09	8.85E-10	3.28E-09	2.88E-10	4.45E-09	1.00E-10	5.74E-10	6.85E-11	7.43E-10	9.12E-11	3.01E-10	2.07E-11	4.13E-10
529	470572.63	3819121.19	1.11E-09	4.66E-09	4.19E-10	6.18E-09	9.23E-10	3.42E-09	3.01E-10	4.65E-09	1.05E-10	5.99E-10	7.15E-11	7.75E-10	9.52E-11	3.14E-10	2.16E-11	4.31E-10
530	470576.09	3819129.78	1.16E-09	4.86E-09	4.38E-10	6.45E-09	9.64E-10	3.57E-09	3.14E-10	4.85E-09	1.09E-10	6.25E-10	7.46E-11	8.09E-10	9.93E-11	3.27E-10	2.26E-11	4.49E-10
531	470579.55	3819138.38	1.21E-09	5.07E-09	4.57E-10	6.73E-09	1.01E-09	3.73E-09	3.28E-10	5.06E-09	1.14E-10	6.53E-10	7.79E-11	8.44E-10	1.04E-10	3.42E-10	2.36E-11	4.69E-10
532	470583.01	3819146.97	1.26E-09	5.29E-09	4.76E-10	7.02E-09	1.05E-09	3.88E-09	3.42E-10	5.27E-09	1.19E-10	6.81E-10	8.12E-11	8.81E-10	1.08E-10	3.56E-10	2.46E-11	4.89E-10
533	470586.46	3819155.56	1.31E-09	5.51E-09	4.96E-10	7.32E-09	1.09E-09	4.05E-09	3.56E-10	5.50E-09	1.24E-10	7.09E-10	8.46E-11	9.18E-10	1.13E-10	3.71E-10	2.56E-11	5.09E-10
534	470589.92	3819164.15	1.37E-09	5.73E-09	5.16E-10	7.61E-09	1.14E-09	4.21E-09	3.71E-10	5.72E-09	1.29E-10	7.38E-10	8.81E-11	9.55E-10	1.17E-10	3.86E-10	2.66E-11	5.30E-10
535	470593.38	3819172.75	1.42E-09	5.96E-09	5.37E-10	7.92E-09	1.18E-09	4.38E-09	3.85E-10	5.95E-09	1.34E-10	7.67E-10	9.15E-11	9.93E-10	1.22E-10	4.02E-10	2.77E-11	5.51E-10
536	470596.84	3819181.34	1.47E-09	6.19E-09	5.57E-10	8.22E-09	1.23E-09	4.55E-09	4.00E-10	6.17E-09	1.39E-10	7.96E-10	9.50E-11	1.03E-09	1.26E-10	4.17E-10	2.87E-11	5.72E-10
537	470276.31	3818898.47	1.18E-09	4.96E-09	4.47E-10	6.59E-09	9.85E-10	3.65E-09	3.21E-10	4.95E-09	1.12E-10	6.39E-10	7.63E-11	8.27E-10	1.01E-10	3.35E-10	2.31E-11	4.59E-10
538	470266.75	3818898.33	1.22E-09	5.11E-09	4.60E-10	6.78E-09	1.01E-09	3.75E-09	3.30E-10	5.10E-09	1.15E-10	6.58E-10	7.85E-11	8.51E-10	1.04E-10	3.44E-10	2.37E-11	4.72E-10
539	470257.18	3818898.2	1.25E-09	5.24E-09	4.72E-10	6.97E-09	1.04E-09	3.85E-09	3.39E-10	5.23E-09	1.18E-10	6.75E-10	8.05E-11	8.74E-10	1.07E-10	3.53E-10	2.44E-11	4.85E-10
540	470247.62	3818898.06	1.28E-09	5.37E-09	4.84E-10	7.14E-09	1.07E-09	3.95E-09	3.47E-10	5.36E-09	1.21E-10	6.92E-10	8.25E-11	8.95E-10	1.10E-10	3.62E-10	2.50E-11	4.97E-10
541	470238.06	3818897.93	1.31E-09	5.49E-09	4.94E-10	7.29E-09	1.09E-09	4.03E-09	3.55E-10	5.48E-09	1.23E-10	7.07E-10	8.43E-11	9.15E-10	1.12E-10	3.70E-10	2.55E-11	5.08E-10
542	470228.5	3818897.79	1.33E-09	5.60E-09	5.04E-10	7.43E-09	1.11E-09	4.11E-09	3.62E-10	5.58E-09	1.26E-10	7.20E-10	8.60E-11	9.32E-10	1.14E-10	3.77E-10	2.60E-11	5.18E-10
543	470218.93	3818897.66	1.36E-09	5.69E-09	5.13E-10	7.56E-09	1.13E-09	4.18E-09	3.68E-10	5.68E-09	1.28E-10	7.33E-10	8.74E-11	9.48E-10	1.16E-10	3.84E-10	2.64E-11	5.26E-10
544	470209.37	3818897.52	1.37E-09	5.77E-09	5.20E-10	7.66E-09	1.14E-09	4.24E-09	3.73E-10	5.76E-09	1.30E-10	7.43E-10	8.86E-11	9.61E-10	1.18E-10	3.89E-10	2.68E-11	5.34E-10
545	470199.81	3818897.39	1.39E-09	5.83E-09	5.25E-10	7.75E-09	1.16E-09	4.29E-09	3.77E-10	5.82E-09	1.31E-10	7.51E-10	8.96E-11	9.72E-10	1.19E-10	3.93E-10	2.71E-11	5.40E-10
546	470190.25	3818897.25	1.40E-09	5.88E-09	5.30E-10	7.81E-09	1.17E-09	4.32E-09	3.80E-10	5.87E-09	1.32E-10	7.57E-10	9.04E-11	9.80E-10	1.20E-10	3.97E-10	2.73E-11	5.44E-10

547	470161.56	3818896.85	1.41E-09	5.93E-09	5.34E-10	7.87E-09	1.18E-09	4.36E-09	3.83E-10	5.91E-09	1.33E-10	7.63E-10	9.10E-11	9.87E-10	1.21E-10	4.00E-10	2.75E-11	5.48E-10
548	470152	3818896.71	1.41E-09	5.91E-09	5.32E-10	7.85E-09	1.17E-09	4.34E-09	3.82E-10	5.90E-09	1.33E-10	7.61E-10	9.08E-11	9.84E-10	1.21E-10	3.98E-10	2.75E-11	5.47E-10
549	470142.44	3818896.58	1.40E-09	5.88E-09	5.29E-10	7.80E-09	1.17E-09	4.32E-09	3.80E-10	5.86E-09	1.32E-10	7.56E-10	9.02E-11	9.79E-10	1.20E-10	3.96E-10	2.73E-11	5.43E-10
550	470132.87	3818896.44	1.39E-09	5.83E-09	5.25E-10	7.74E-09	1.16E-09	4.28E-09	3.77E-10	5.81E-09	1.31E-10	7.50E-10	8.95E-11	9.71E-10	1.19E-10	3.93E-10	2.71E-11	5.39E-10
551	470123.31	3818896.31	1.37E-09	5.76E-09	5.19E-10	7.66E-09	1.14E-09	4.24E-09	3.73E-10	5.75E-09	1.30E-10	7.42E-10	8.85E-11	9.60E-10	1.18E-10	3.88E-10	2.68E-11	5.33E-10
552	470113.75	3818896.17	1.35E-09	5.69E-09	5.12E-10	7.55E-09	1.13E-09	4.18E-09	3.68E-10	5.68E-09	1.28E-10	7.32E-10	8.74E-11	9.48E-10	1.16E-10	3.83E-10	2.64E-11	5.26E-10
553	470320.8	3818873.36	9.14E-10	3.84E-09	3.46E-10	5.10E-09	7.62E-10	2.82E-09	2.48E-10	3.83E-09	8.63E-11	4.94E-10	5.90E-11	6.40E-10	7.85E-11	2.59E-10	1.78E-11	3.55E-10
554	470329.4	3818877.05	9.00E-10	3.78E-09	3.40E-10	5.02E-09	7.49E-10	2.78E-09	2.44E-10	3.77E-09	8.50E-11	4.86E-10	5.80E-11	6.29E-10	7.72E-11	2.55E-10	1.76E-11	3.50E-10
555	470337.99	3818880.74	8.85E-10	3.71E-09	3.35E-10	4.93E-09	7.37E-10	2.73E-09	2.40E-10	3.71E-09	8.35E-11	4.78E-10	5.71E-11	6.19E-10	7.59E-11	2.50E-10	1.73E-11	3.44E-10
556	470346.58	3818884.42	8.69E-10	3.65E-09	3.28E-10	4.84E-09	7.23E-10	2.68E-09	2.36E-10	3.64E-09	8.20E-11	4.70E-10	5.60E-11	6.08E-10	7.46E-11	2.46E-10	1.69E-11	3.37E-10
557	470355.17	3818888.11	8.52E-10	3.58E-09	3.22E-10	4.75E-09	7.10E-10	2.63E-09	2.31E-10	3.57E-09	8.05E-11	4.61E-10	5.50E-11	5.96E-10	7.32E-11	2.41E-10	1.66E-11	3.31E-10
558	470363.77	3818891.8	8.36E-10	3.51E-09	3.16E-10	4.66E-09	6.96E-10	2.58E-09	2.27E-10	3.50E-09	7.89E-11	4.52E-10	5.39E-11	5.85E-10	7.18E-11	2.37E-10	1.63E-11	3.25E-10
559	470372.36	3818895.49	8.18E-10	3.44E-09	3.10E-10	4.57E-09	6.82E-10	2.53E-09	2.22E-10	3.43E-09	7.73E-11	4.42E-10	5.28E-11	5.73E-10	7.03E-11	2.32E-10	1.60E-11	3.18E-10
560	470380.95	3818899.18	8.00E-10	3.36E-09	3.03E-10	4.46E-09	6.67E-10	2.47E-09	2.17E-10	3.35E-09	7.56E-11	4.33E-10	5.16E-11	5.60E-10	6.87E-11	2.27E-10	1.56E-11	3.11E-10
561	470389.54	3818902.86	7.82E-10	3.29E-09	2.96E-10	4.36E-09	6.52E-10	2.41E-09	2.12E-10	3.28E-09	7.39E-11	4.23E-10	5.05E-11	5.47E-10	6.72E-11	2.21E-10	1.53E-11	3.04E-10
562	470398.14	3818906.55	7.64E-10	3.21E-09	2.89E-10	4.26E-09	6.37E-10	2.36E-09	2.07E-10	3.20E-09	7.22E-11	4.13E-10	4.93E-11	5.35E-10	6.56E-11	2.16E-10	1.49E-11	2.97E-10
563	470406.73	3818910.24	7.46E-10	3.13E-09	2.82E-10	4.16E-09	6.22E-10	2.30E-09	2.03E-10	3.13E-09	7.05E-11	4.03E-10	4.81E-11	5.22E-10	6.41E-11	2.11E-10	1.46E-11	2.90E-10
564	470415.32	3818913.93	7.30E-10	3.06E-09	2.76E-10	4.07E-09	6.08E-10	2.25E-09	1.98E-10	3.06E-09	6.89E-11	3.94E-10	4.71E-11	5.10E-10	6.26E-11	2.07E-10	1.42E-11	2.83E-10
565	470580.74	3819042.33	6.89E-10	2.90E-09	2.61E-10	3.85E-09	5.74E-10	2.13E-09	1.87E-10	2.89E-09	6.51E-11	3.73E-10	4.45E-11	4.82E-10	5.92E-11	1.95E-10	1.35E-11	2.68E-10
566	470584.23	3819051	7.15E-10	3.00E-09	2.71E-10	3.99E-09	5.96E-10	2.21E-09	1.94E-10	3.00E-09	6.76E-11	3.87E-10	4.61E-11	5.00E-10	6.14E-11	2.02E-10	1.40E-11	2.78E-10
567	470587.72	3819059.67	7.43E-10	3.12E-09	2.81E-10	4.15E-09	6.19E-10	2.29E-09	2.02E-10	3.11E-09	7.02E-11	4.02E-10	4.79E-11	5.20E-10	6.38E-11	2.10E-10	1.45E-11	2.89E-10
568	470591.21	3819068.35	7.73E-10	3.25E-09	2.92E-10	4.31E-09	6.44E-10	2.39E-09	2.10E-10	3.24E-09	7.30E-11	4.18E-10	4.99E-11	5.41E-10	6.64E-11	2.19E-10	1.51E-11	3.00E-10
569	470594.71	3819077.02	8.04E-10	3.38E-09	3.04E-10	4.49E-09	6.70E-10	2.48E-09	2.18E-10	3.37E-09	7.60E-11	4.35E-10	5.19E-11	5.63E-10	6.91E-11	2.28E-10	1.57E-11	3.12E-10
570	470598.2	3819085.7	8.38E-10	3.52E-09	3.17E-10	4.67E-09	6.98E-10	2.58E-09	2.27E-10	3.51E-09	7.91E-11	4.53E-10	5.40E-11	5.86E-10	7.19E-11	2.37E-10	1.63E-11	3.25E-10
571	470601.69	3819094.37	8.72E-10	3.66E-09	3.30E-10	4.86E-09	7.26E-10	2.69E-09	2.37E-10	3.65E-09	8.24E-11	4.71E-10	5.63E-11	6.10E-10	7.49E-11	2.47E-10	1.70E-11	3.39E-10
572	470605.18	3819103.04	9.08E-10	3.81E-09	3.44E-10	5.07E-09	7.57E-10	2.80E-09	2.47E-10	3.81E-09	8.58E-11	4.91E-10	5.86E-11	6.35E-10	7.80E-11	2.57E-10	1.77E-11	3.53E-10
573	470608.67	3819111.72	9.46E-10	3.97E-09	3.58E-10	5.28E-09	7.88E-10	2.92E-09	2.57E-10	3.97E-09	8.94E-11	5.12E-10	6.10E-11	6.62E-10	8.12E-11	2.68E-10	1.85E-11	3.68E-10
574	470612.17	3819120.39	9.86E-10	4.14E-09	3.73E-10	5.50E-09	8.21E-10	3.04E-09	2.68E-10	4.13E-09	9.31E-11	5.33E-10	6.36E-11	6.90E-10	8.46E-11	2.79E-10	1.92E-11	3.83E-10
575	470615.66	3819129.07	1.03E-09	4.31E-09	3.88E-10	5.73E-09	8.55E-10	3.17E-09	2.79E-10	4.30E-09	9.69E-11	5.55E-10	6.62E-11	7.18E-10	8.81E-11	2.91E-10	2.00E-11	3.99E-10
576	470619.15	3819137.74	1.07E-09	4.49E-09	4.04E-10	5.96E-09	8.90E-10	3.30E-09	2.90E-10	4.48E-09	1.01E-10	5.78E-10	6.89E-11	7.47E-10	9.17E-11	3.02E-10	2.08E-11	4.15E-10
577	470622.64	3819146.41	1.11E-09	4.66E-09	4.20E-10	6.19E-09	9.25E-10	3.43E-09	3.01E-10	4.65E-09	1.05E-10	6.00E-10	7.16E-11	7.77E-10	9.53E-11	3.14E-10	2.17E-11	4.31E-10
578	470626.14	3819155.09	1.15E-09	4.84E-09	4.36E-10	6.43E-09	9.61E-10	3.56E-09	3.13E-10	4.83E-09	1.09E-10	6.23E-10	7.44E-11	8.07E-10	9.90E-11	3.26E-10	2.25E-11	4.48E-10
579	470629.63	3819163.76	1.20E-09	5.02E-09	4.52E-10	6.67E-09	9.96E-10	3.69E-09	3.25E-10	5.01E-09	1.13E-10	6.47E-10	7.72E-11	8.37E-10	1.03E-10	3.39E-10	2.33E-11	4.65E-10
580	470633.12	3819172.44	1.24E-09	5.21E-09	4.69E-10	6.92E-09	1.03E-09	3.83E-09	3.37E-10	5.20E-09	1.17E-10	6.70E-10	8.00E-11	8.67E-10	1.06E-10	3.51E-10	2.42E-11	4.82E-10
581	470636.61	3819181.11	1.28E-09	5.39E-09	4.85E-10	7.16E-09	1.07E-09	3.96E-09	3.48E-10	5.38E-09	1.21E-10	6.94E-10	8.28E-11	8.98E-10	1.10E-10	3.63E-10	2.50E-11	4.98E-10
582	470640.1	3819189.78	1.33E-09	5.57E-09	5.01E-10	7.39E-09	1.10E-09	4.09E-09	3.60E-10	5.56E-09	1.25E-10	7.17E-10	8.55E-11	9.27E-10	1.14E-10	3.75E-10	2.59E-11	5.15E-10
583	470643.6	3819198.46	1.37E-09	5.74E-09	5.17E-10	7.63E-09	1.14E-09	4.22E-09	3.71E-10	5.73E-09	1.29E-10	7.39E-10	8.82E-11	9.57E-10	1.17E-10	3.87E-10	2.67E-11	5.31E-10
584	470647.09	3819207.13	1.41E-09	5.91E-09	5.33E-10	7.86E-09	1.17E-09	4.35E-09	3.82E-10	5.90E-09	1.33E-10	7.61E-10	9.08E-11	9.85E-10	1.21E-10	3.99E-10	2.75E-11	5.47E-10
585	470650.58	3819215.81	1.45E-09	6.08E-09	5.48E-10	8.08E-09	1.21E-09	4.47E-09	3.93E-10	6.07E-09	1.37E-10	7.83E-10	9.34E-11	1.01E-09	1.24E-10	4.10E-10	2.83E-11	5.62E-10
586	470654.07	3819224.48	1.49E-09	6.24E-09	5.62E-10	8.29E-09	1.24E-09	4.58E-09	4.03E-10	6.23E-09	1.40E-10	8.03E-10	9.58E-11	1.04E-09	1.28E-10	4.21E-10	2.90E-11	5.77E-10
587	470276.87	3818858.47	9.92E-10	4.16E-09	3.75E-10	5.53E-09	8.26E-10	3.06E-09	2.69E-10	4.15E-09	9.36E-11	5.36E-10	6.40E-11	6.94E-10	8.51E-11	2.81E-10	1.93E-11	3.85E-10
588	470267.31	3818858.34	1.02E-09	4.27E-09	3.85E-10	5.68E-09	8.48E-10	3.14E-09	2.76E-10	4.26E-09	9.61E-11	5.50E-10	6.56E-11	7.12E-10	8.74E-11	2.88E-10	1.99E-11	3.95E-10
589	470257.75	3818858.2	1.04E-09	4.38E-09	3.94E-10	5.81E-09	8.68E-10	3.22E-09	2.83E-10	4.37E-09	9.84E-11	5.64E-10	6.72E-11	7.29E-10	8.95E-11	2.95E-10	2.03E-11	4.05E-10
590	470248.19	3818858.07	1.07E-09	4.48E-09	4.03E-10	5.95E-09	8.88E-10	3.29E-09	2.89E-10	4.47E-09	1.01E-10	5.76E-10	6.88E-11	7.46E-10	9.15E-11	3.02E-10	2.08E-11	4.14E-10
591	470238.62	3818857.93	1.09E-09	4.57E-09	4.11E-10	6.07E-09	9.06E-10	3.36E-09	2.95E-10	4.56E-09	1.03E-10	5.88E-10	7.02E-11	7.61E-10	9.34E-11	3.08E-10	2.12E-11	4.22E-10
592	470229.06	3818857.8	1.11E-09	4.65E-09	4.19E-10	6.18E-09	9.22E-10	3.42E-09	3.01E-10	4.64E-09	1.05E-10	5.99E-10	7.14E-11	7.75E-10	9.51E-11	3.13E-10	2.16E-11	4.30E-10
593	470219.5	3818857.66	1.12E-09	4.72E-09	4.25E-10	6.27E-09	9.37E-10	3.47E-09	3.05E-10	4.71E-09	1.06E-10	6.08E-10	7.25E-11	7.87E-10	9.66E-11	3.18E-10	2.19E-11	4.37E-10
594	470209.94	3818857.53	1.14E-09	4.79E-09	4.31E-10	6.36E-09	9.49E-10	3.52E-09	3.09E-10	4.78E-09	1.08E-10	6.16E-10	7.35E-11	7.97E-10	9.78E-11	3.23E-10	2.22E-11	4.43E-10
595	470200.37	3818857.39	1.15E-09	4.84E-09	4.36E-10	6.43E-09	9.59E-10	3.55E-09	3.13E-10	4.83E-09	1.09E-10	6.23E-10	7.43E-11	8.06E-10	9.89E-11	3.26E-10	2.25E-11	4.47E-10
596	470190.81	3818857.26	1.16E-09	4.88E-09	4.39E-10	6.48E-09	9.67E-10	3.58E-09	3.15E-10	4.87E-09	1.10E-10	6.28E-10	7.49E-11	8.12E-10	9.97E-11	3.29E-10	2.27E-11	4.51E-10

597	470162.13	3818856.85	1.17E-09	4.92E-09	4.43E-10	6.54E-09	9.77E-10	3.62E-09	3.18E-10	4.91E-09	1.11E-10	6.34E-10	7.56E-11	8.20E-10	1.01E-10	3.32E-10	2.29E-11	4.55E-10
598	470152.56	3818856.72	1.17E-09	4.91E-09	4.43E-10	6.53E-09	9.75E-10	3.61E-09	3.18E-10	4.90E-09	1.11E-10	6.33E-10	7.55E-11	8.19E-10	1.00E-10	3.31E-10	2.28E-11	4.55E-10
599	470143	3818856.58	1.17E-09	4.89E-09	4.41E-10	6.50E-09	9.71E-10	3.60E-09	3.16E-10	4.88E-09	1.10E-10	6.30E-10	7.52E-11	8.15E-10	1.00E-10	3.30E-10	2.27E-11	4.53E-10
600	470133.44	3818856.45	1.16E-09	4.86E-09	4.38E-10	6.46E-09	9.64E-10	3.57E-09	3.14E-10	4.85E-09	1.09E-10	6.26E-10	7.47E-11	8.10E-10	9.94E-11	3.28E-10	2.26E-11	4.50E-10
601	470123.88	3818856.31	1.15E-09	4.82E-09	4.34E-10	6.40E-09	9.56E-10	3.54E-09	3.11E-10	4.81E-09	1.08E-10	6.20E-10	7.40E-11	8.03E-10	9.85E-11	3.25E-10	2.24E-11	4.46E-10
602	470114.31	3818856.18	1.14E-09	4.77E-09	4.29E-10	6.33E-09	9.45E-10	3.50E-09	3.08E-10	4.76E-09	1.07E-10	6.14E-10	7.32E-11	7.94E-10	9.74E-11	3.21E-10	2.21E-11	4.41E-10
603	470312.98	3818829.76	7.93E-10	3.33E-09	3.00E-10	4.42E-09	6.61E-10	2.45E-09	2.15E-10	3.32E-09	7.49E-11	4.29E-10	5.12E-11	5.55E-10	6.81E-11	2.24E-10	1.55E-11	3.08E-10
604	470321.64	3818833.48	7.82E-10	3.28E-09	2.96E-10	4.36E-09	6.51E-10	2.41E-09	2.12E-10	3.28E-09	7.38E-11	4.23E-10	5.04E-11	5.47E-10	6.71E-11	2.21E-10	1.53E-11	3.04E-10
605	470330.29	3818837.19	7.70E-10	3.23E-09	2.91E-10	4.29E-09	6.41E-10	2.38E-09	2.09E-10	3.23E-09	7.27E-11	4.16E-10	4.97E-11	5.38E-10	6.61E-11	2.18E-10	1.50E-11	2.99E-10
606	470338.95	3818840.91	7.57E-10	3.18E-09	2.86E-10	4.22E-09	6.31E-10	2.34E-09	2.06E-10	3.17E-09	7.15E-11	4.09E-10	4.88E-11	5.30E-10	6.50E-11	2.14E-10	1.48E-11	2.94E-10
607	470347.61	3818844.63	7.44E-10	3.13E-09	2.81E-10	4.15E-09	6.20E-10	2.30E-09	2.02E-10	3.12E-09	7.03E-11	4.02E-10	4.80E-11	5.21E-10	6.39E-11	2.11E-10	1.45E-11	2.89E-10
608	470356.27	3818848.34	7.32E-10	3.07E-09	2.77E-10	4.08E-09	6.09E-10	2.26E-09	1.99E-10	3.07E-09	6.91E-11	3.96E-10	4.72E-11	5.12E-10	6.28E-11	2.07E-10	1.43E-11	2.84E-10
609	470364.93	3818852.06	7.19E-10	3.02E-09	2.72E-10	4.01E-09	5.99E-10	2.22E-09	1.95E-10	3.01E-09	6.79E-11	3.89E-10	4.64E-11	5.03E-10	6.18E-11	2.04E-10	1.40E-11	2.79E-10
610	470373.59	3818855.78	7.07E-10	2.97E-09	2.67E-10	3.94E-09	5.89E-10	2.18E-09	1.92E-10	2.96E-09	6.68E-11	3.82E-10	4.56E-11	4.94E-10	6.07E-11	2.00E-10	1.38E-11	2.75E-10
611	470382.25	3818859.49	6.94E-10	2.91E-09	2.62E-10	3.87E-09	5.78E-10	2.14E-09	1.88E-10	2.91E-09	6.55E-11	3.75E-10	4.47E-11	4.85E-10	5.96E-11	1.96E-10	1.35E-11	2.69E-10
612	470390.91	3818863.21	6.79E-10	2.85E-09	2.57E-10	3.79E-09	5.66E-10	2.10E-09	1.84E-10	2.85E-09	6.42E-11	3.67E-10	4.38E-11	4.75E-10	5.83E-11	1.92E-10	1.33E-11	2.64E-10
613	470399.57	3818866.93	6.65E-10	2.79E-09	2.51E-10	3.71E-09	5.54E-10	2.05E-09	1.80E-10	2.79E-09	6.28E-11	3.59E-10	4.29E-11	4.65E-10	5.71E-11	1.88E-10	1.30E-11	2.58E-10
614	470609.56	3819014.9	5.63E-10	2.36E-09	2.13E-10	3.14E-09	4.69E-10	1.74E-09	1.53E-10	2.36E-09	5.31E-11	3.04E-10	3.63E-11	3.94E-10	4.83E-11	1.59E-10	1.10E-11	2.19E-10
615	470613.08	3819023.64	5.82E-10	2.44E-09	2.20E-10	3.25E-09	4.85E-10	1.80E-09	1.58E-10	2.44E-09	5.50E-11	3.15E-10	3.75E-11	4.07E-10	5.00E-11	1.65E-10	1.14E-11	2.26E-10
616	470616.6	3819032.38	6.03E-10	2.53E-09	2.28E-10	3.36E-09	5.02E-10	1.86E-09	1.64E-10	2.53E-09	5.69E-11	3.26E-10	3.89E-11	4.22E-10	5.17E-11	1.71E-10	1.18E-11	2.34E-10
617	470620.12	3819041.13	6.25E-10	2.62E-09	2.36E-10	3.48E-09	5.20E-10	1.93E-09	1.70E-10	2.62E-09	5.90E-11	3.38E-10	4.03E-11	4.37E-10	5.36E-11	1.77E-10	1.22E-11	2.43E-10
618	470623.63	3819049.87	6.48E-10	2.72E-09	2.45E-10	3.62E-09	5.40E-10	2.00E-09	1.76E-10	2.72E-09	6.12E-11	3.51E-10	4.18E-11	4.54E-10	5.57E-11	1.84E-10	1.27E-11	2.52E-10
619	470627.15	3819058.61	6.74E-10	2.83E-09	2.55E-10	3.76E-09	5.61E-10	2.08E-09	1.83E-10	2.82E-09	6.36E-11	3.64E-10	4.35E-11	4.71E-10	5.78E-11	1.91E-10	1.31E-11	2.62E-10
620	470630.67	3819067.35	7.00E-10	2.94E-09	2.65E-10	3.91E-09	5.83E-10	2.16E-09	1.90E-10	2.93E-09	6.61E-11	3.79E-10	4.52E-11	4.90E-10	6.01E-11	1.98E-10	1.37E-11	2.72E-10
621	470634.19	3819076.09	7.28E-10	3.06E-09	2.75E-10	4.06E-09	6.06E-10	2.25E-09	1.98E-10	3.05E-09	6.88E-11	3.94E-10	4.70E-11	5.09E-10	6.25E-11	2.06E-10	1.42E-11	2.83E-10
622	470637.71	3819084.83	7.57E-10	3.18E-09	2.86E-10	4.22E-09	6.30E-10	2.34E-09	2.05E-10	3.17E-09	7.15E-11	4.09E-10	4.88E-11	5.29E-10	6.50E-11	2.14E-10	1.48E-11	2.94E-10
623	470641.23	3819093.57	7.87E-10	3.30E-09	2.98E-10	4.39E-09	6.55E-10	2.43E-09	2.14E-10	3.30E-09	7.43E-11	4.25E-10	5.08E-11	5.50E-10	6.76E-11	2.23E-10	1.54E-11	3.06E-10
624	470644.75	3819102.31	8.18E-10	3.44E-09	3.09E-10	4.56E-09	6.81E-10	2.52E-09	2.22E-10	3.43E-09	7.72E-11	4.42E-10	5.28E-11	5.72E-10	7.02E-11	2.32E-10	1.60E-11	3.18E-10
625	470648.27	3819111.05	8.50E-10	3.57E-09	3.22E-10	4.74E-09	7.08E-10	2.62E-09	2.31E-10	3.56E-09	8.03E-11	4.60E-10	5.48E-11	5.95E-10	7.30E-11	2.41E-10	1.66E-11	3.30E-10
626	470651.79	3819119.8	8.84E-10	3.71E-09	3.34E-10	4.93E-09	7.36E-10	2.73E-09	2.40E-10	3.70E-09	8.34E-11	4.78E-10	5.70E-11	6.18E-10	7.59E-11	2.50E-10	1.72E-11	3.43E-10
627	470655.31	3819128.54	9.18E-10	3.85E-09	3.47E-10	5.12E-09	7.64E-10	2.83E-09	2.49E-10	3.84E-09	8.66E-11	4.96E-10	5.92E-11	6.42E-10	7.88E-11	2.60E-10	1.79E-11	3.56E-10
628	470658.83	3819137.28	9.52E-10	4.00E-09	3.60E-10	5.31E-09	7.93E-10	2.94E-09	2.58E-10	3.99E-09	8.99E-11	5.15E-10	6.14E-11	6.66E-10	8.17E-11	2.69E-10	1.86E-11	3.70E-10
629	470662.34	3819146.02	9.87E-10	4.14E-09	3.73E-10	5.51E-09	8.22E-10	3.05E-09	2.68E-10	4.14E-09	9.32E-11	5.34E-10	6.37E-11	6.90E-10	8.47E-11	2.79E-10	1.93E-11	3.83E-10
630	470665.86	3819154.76	1.02E-09	4.29E-09	3.87E-10	5.70E-09	8.51E-10	3.15E-09	2.77E-10	4.28E-09	9.65E-11	5.53E-10	6.59E-11	7.15E-10	8.77E-11	2.89E-10	1.99E-11	3.97E-10
631	470669.38	3819163.5	1.06E-09	4.44E-09	4.00E-10	5.90E-09	8.81E-10	3.26E-09	2.87E-10	4.43E-09	9.98E-11	5.72E-10	6.82E-11	7.40E-10	9.08E-11	2.99E-10	2.06E-11	4.11E-10
632	470672.9	3819172.24	1.09E-09	4.59E-09	4.13E-10	6.09E-09	9.10E-10	3.37E-09	2.97E-10	4.58E-09	1.03E-10	5.91E-10	7.05E-11	7.64E-10	9.38E-11	3.09E-10	2.13E-11	4.24E-10
633	470676.42	3819180.98	1.13E-09	4.73E-09	4.26E-10	6.29E-09	9.39E-10	3.48E-09	3.06E-10	4.72E-09	1.06E-10	6.10E-10	7.27E-11	7.89E-10	9.68E-11	3.19E-10	2.20E-11	4.38E-10
634	470679.94	3819189.72	1.16E-09	4.88E-09	4.39E-10	6.48E-09	9.68E-10	3.59E-09	3.15E-10	4.87E-09	1.10E-10	6.28E-10	7.49E-11	8.13E-10	9.97E-11	3.29E-10	2.27E-11	4.51E-10
635	470683.46	3819198.47	1.20E-09	5.02E-09	4.52E-10	6.67E-09	9.96E-10	3.69E-09	3.24E-10	5.01E-09	1.13E-10	6.46E-10	7.71E-11	8.36E-10	1.03E-10	3.38E-10	2.33E-11	4.64E-10
636	470686.98	3819207.21	1.23E-09	5.16E-09	4.64E-10	6.85E-09	1.02E-09	3.79E-09	3.33E-10	5.14E-09	1.16E-10	6.64E-10	7.92E-11	8.59E-10	1.05E-10	3.47E-10	2.40E-11	4.77E-10
637	470690.5	3819215.95	1.26E-09	5.29E-09	4.76E-10	7.02E-09	1.05E-09	3.88E-09	3.42E-10	5.27E-09	1.19E-10	6.80E-10	8.12E-11	8.80E-10	1.08E-10	3.56E-10	2.46E-11	4.89E-10
638	470694.02	3819224.69	1.29E-09	5.41E-09	4.87E-10	7.19E-09	1.07E-09	3.98E-09	3.50E-10	5.40E-09	1.22E-10	6.96E-10	8.31E-11	9.01E-10	1.11E-10	3.65E-10	2.51E-11	5.00E-10
639	470277.44	3818818.48	8.43E-10	3.54E-09	3.19E-10	4.70E-09	7.02E-10	2.60E-09	2.29E-10	3.53E-09	7.96E-11	4.56E-10	5.44E-11	5.90E-10	7.24E-11	2.39E-10	1.65E-11	3.28E-10
640	470267.87	3818818.34	8.64E-10	3.63E-09	3.27E-10	4.82E-09	7.20E-10	2.67E-09	2.34E-10	3.62E-09	8.16E-11	4.67E-10	5.57E-11	6.04E-10	7.42E-11	2.45E-10	1.69E-11	3.36E-10
641	470258.31	3818818.21	8.83E-10	3.71E-09	3.34E-10	4.93E-09	7.36E-10	2.73E-09	2.40E-10	3.70E-09	8.34E-11	4.77E-10	5.70E-11	6.18E-10	7.58E-11	2.50E-10	1.72E-11	3.43E-10
642	470248.75	3818818.07	9.01E-10	3.78E-09	3.41E-10	5.02E-09	7.50E-10	2.78E-09	2.45E-10	3.77E-09	8.51E-11	4.87E-10	5.81E-11	6.30E-10	7.73E-11	2.55E-10	1.76E-11	3.50E-10
643	470239.19	3818817.94	9.17E-10	3.85E-09	3.47E-10	5.11E-09	7.64E-10	2.83E-09	2.49E-10	3.84E-09	8.66E-11	4.96E-10	5.91E-11	6.41E-10	7.87E-11	2.60E-10	1.79E-11	3.56E-10
644	470229.63	3818817.8	9.32E-10	3.91E-09	3.52E-10	5.20E-09	7.76E-10	2.87E-09	2.53E-10	3.90E-09	8.80E-11	5.04E-10	6.01E-11	6.52E-10	8.00E-11	2.64E-10	1.82E-11	3.62E-10
645	470220.06	3818817.67	9.45E-10	3.97E-09	3.58E-10	5.27E-09	7.88E-10	2.92E-09	2.57E-10	3.96E-09	8.93E-11	5.11E-10	6.10E-11	6.61E-10	8.12E-11	2.68E-10	1.84E-11	3.67E-10
646	470210.5	3818817.53	9.57E-10	4.02E-09	3.62E-10	5.34E-09	7.98E-10	2.95E-09	2.60E-10	4.01E-09	9.04E-11	5.18E-10	6.18E-11	6.70E-10	8.22E-11	2.71E-10	1.87E-11	3.72E-10

647	470200.94	3818817.4	9.68E-10	4.06E-09	3.66E-10	5.40E-09	8.06E-10	2.99E-09	2.63E-10	4.05E-09	9.14E-11	5.23E-10	6.24E-11	6.77E-10	8.31E-11	2.74E-10	1.89E-11	3.76E-10
648	470191.38	3818817.26	9.76E-10	4.10E-09	3.69E-10	5.45E-09	8.13E-10	3.01E-09	2.65E-10	4.09E-09	9.22E-11	5.28E-10	6.30E-11	6.83E-10	8.38E-11	2.76E-10	1.90E-11	3.79E-10
649	470162.69	3818816.86	9.89E-10	4.15E-09	3.74E-10	5.52E-09	8.24E-10	3.05E-09	2.68E-10	4.14E-09	9.34E-11	5.35E-10	6.38E-11	6.92E-10	8.49E-11	2.80E-10	1.93E-11	3.84E-10
650	470153.13	3818816.72	9.88E-10	4.15E-09	3.74E-10	5.51E-09	8.23E-10	3.05E-09	2.68E-10	4.14E-09	9.33E-11	5.34E-10	6.37E-11	6.91E-10	8.48E-11	2.80E-10	1.93E-11	3.84E-10
651	470143.57	3818816.59	9.85E-10	4.14E-09	3.73E-10	5.49E-09	8.20E-10	3.04E-09	2.67E-10	4.13E-09	9.30E-11	5.33E-10	6.35E-11	6.89E-10	8.46E-11	2.79E-10	1.92E-11	3.83E-10
652	470134	3818816.45	9.80E-10	4.12E-09	3.71E-10	5.47E-09	8.16E-10	3.02E-09	2.66E-10	4.11E-09	9.25E-11	5.30E-10	6.32E-11	6.85E-10	8.41E-11	2.77E-10	1.91E-11	3.81E-10
653	470124.44	3818816.32	9.73E-10	4.09E-09	3.68E-10	5.43E-09	8.10E-10	3.00E-09	2.64E-10	4.08E-09	9.19E-11	5.26E-10	6.28E-11	6.81E-10	8.35E-11	2.75E-10	1.90E-11	3.78E-10
654	470114.88	3818816.18	9.64E-10	4.05E-09	3.65E-10	5.38E-09	8.03E-10	2.97E-09	2.62E-10	4.04E-09	9.10E-11	5.21E-10	6.22E-11	6.74E-10	8.27E-11	2.73E-10	1.88E-11	3.74E-10
655	470313.71	3818789.84	6.86E-10	2.88E-09	2.59E-10	3.82E-09	5.71E-10	2.12E-09	1.86E-10	2.87E-09	6.47E-11	3.71E-10	4.42E-11	4.80E-10	5.89E-11	1.94E-10	1.34E-11	2.66E-10
656	470322.42	3818793.58	6.77E-10	2.84E-09	2.56E-10	3.77E-09	5.64E-10	2.09E-09	1.84E-10	2.83E-09	6.39E-11	3.66E-10	4.36E-11	4.73E-10	5.81E-11	1.92E-10	1.32E-11	2.63E-10
657	470331.14	3818797.32	6.67E-10	2.80E-09	2.52E-10	3.72E-09	5.56E-10	2.06E-09	1.81E-10	2.79E-09	6.30E-11	3.61E-10	4.30E-11	4.67E-10	5.73E-11	1.89E-10	1.30E-11	2.59E-10
658	470339.85	3818801.06	6.57E-10	2.76E-09	2.48E-10	3.66E-09	5.47E-10	2.03E-09	1.78E-10	2.75E-09	6.20E-11	3.55E-10	4.24E-11	4.60E-10	5.64E-11	1.86E-10	1.28E-11	2.55E-10
659	470348.57	3818804.8	6.47E-10	2.72E-09	2.45E-10	3.61E-09	5.39E-10	2.00E-09	1.76E-10	2.71E-09	6.11E-11	3.50E-10	4.17E-11	4.52E-10	5.55E-11	1.83E-10	1.26E-11	2.51E-10
660	470357.28	3818808.54	6.37E-10	2.67E-09	2.41E-10	3.55E-09	5.31E-10	1.97E-09	1.73E-10	2.67E-09	6.01E-11	3.44E-10	4.11E-11	4.46E-10	5.47E-11	1.80E-10	1.24E-11	2.47E-10
661	470366	3818812.28	6.27E-10	2.63E-09	2.37E-10	3.50E-09	5.22E-10	1.94E-09	1.70E-10	2.63E-09	5.92E-11	3.39E-10	4.05E-11	4.39E-10	5.38E-11	1.78E-10	1.22E-11	2.44E-10
662	470374.71	3818816.02	6.17E-10	2.59E-09	2.33E-10	3.44E-09	5.14E-10	1.90E-09	1.68E-10	2.59E-09	5.83E-11	3.34E-10	3.98E-11	4.32E-10	5.30E-11	1.75E-10	1.20E-11	2.40E-10
663	470383.43	3818819.76	6.06E-10	2.55E-09	2.29E-10	3.38E-09	5.05E-10	1.87E-09	1.65E-10	2.54E-09	5.73E-11	3.28E-10	3.91E-11	4.24E-10	5.21E-11	1.72E-10	1.18E-11	2.36E-10
664	470392.14	3818823.5	5.95E-10	2.50E-09	2.25E-10	3.32E-09	4.96E-10	1.84E-09	1.61E-10	2.49E-09	5.62E-11	3.22E-10	3.84E-11	4.16E-10	5.11E-11	1.68E-10	1.16E-11	2.31E-10
665	470470.57	3818857.17	4.95E-10	2.08E-09	1.87E-10	2.76E-09	4.12E-10	1.53E-09	1.34E-10	2.07E-09	4.67E-11	2.67E-10	3.19E-11	3.46E-10	4.25E-11	1.40E-10	9.65E-12	1.92E-10
666	470479.29	3818860.91	4.85E-10	2.04E-09	1.83E-10	2.70E-09	4.04E-10	1.50E-09	1.32E-10	2.03E-09	4.58E-11	2.62E-10	3.13E-11	3.39E-10	4.16E-11	1.37E-10	9.46E-12	1.88E-10
667	470488	3818864.65	4.75E-10	1.99E-09	1.80E-10	2.65E-09	3.96E-10	1.47E-09	1.29E-10	1.99E-09	4.48E-11	2.57E-10	3.06E-11	3.32E-10	4.08E-11	1.34E-10	9.27E-12	1.84E-10
668	470638.34	3818987.39	4.66E-10	1.96E-09	1.76E-10	2.60E-09	3.89E-10	1.44E-09	1.27E-10	1.95E-09	4.40E-11	2.52E-10	3.01E-11	3.26E-10	4.00E-11	1.32E-10	9.10E-12	1.81E-10
669	470641.88	3818996.19	4.81E-10	2.02E-09	1.82E-10	2.69E-09	4.01E-10	1.49E-09	1.31E-10	2.02E-09	4.55E-11	2.60E-10	3.11E-11	3.37E-10	4.13E-11	1.36E-10	9.39E-12	1.87E-10
670	470645.43	3819004.99	4.97E-10	2.09E-09	1.88E-10	2.77E-09	4.14E-10	1.54E-09	1.35E-10	2.08E-09	4.70E-11	2.69E-10	3.21E-11	3.48E-10	4.27E-11	1.41E-10	9.71E-12	1.93E-10
671	470648.97	3819013.78	5.14E-10	2.16E-09	1.95E-10	2.87E-09	4.29E-10	1.59E-09	1.40E-10	2.16E-09	4.86E-11	2.78E-10	3.32E-11	3.60E-10	4.42E-11	1.46E-10	1.00E-11	2.00E-10
672	470652.51	3819022.58	5.33E-10	2.24E-09	2.01E-10	2.97E-09	4.44E-10	1.64E-09	1.45E-10	2.23E-09	5.03E-11	2.88E-10	3.44E-11	3.73E-10	4.57E-11	1.51E-10	1.04E-11	2.07E-10
673	470656.05	3819031.38	5.52E-10	2.32E-09	2.09E-10	3.08E-09	4.60E-10	1.70E-09	1.50E-10	2.31E-09	5.21E-11	2.98E-10	3.56E-11	3.86E-10	4.74E-11	1.56E-10	1.08E-11	2.14E-10
674	470659.59	3819040.18	5.72E-10	2.40E-09	2.16E-10	3.19E-09	4.77E-10	1.77E-09	1.55E-10	2.40E-09	5.40E-11	3.09E-10	3.69E-11	4.00E-10	4.91E-11	1.62E-10	1.12E-11	2.22E-10
675	470663.13	3819048.97	5.93E-10	2.49E-09	2.24E-10	3.31E-09	4.94E-10	1.83E-09	1.61E-10	2.49E-09	5.60E-11	3.21E-10	3.83E-11	4.15E-10	5.09E-11	1.68E-10	1.16E-11	2.31E-10
676	470666.68	3819057.77	6.16E-10	2.59E-09	2.33E-10	3.43E-09	5.13E-10	1.90E-09	1.67E-10	2.58E-09	5.82E-11	3.33E-10	3.97E-11	4.31E-10	5.29E-11	1.74E-10	1.20E-11	2.39E-10
677	470670.22	3819066.57	6.39E-10	2.68E-09	2.42E-10	3.56E-09	5.32E-10	1.97E-09	1.73E-10	2.68E-09	6.04E-11	3.45E-10	4.12E-11	4.47E-10	5.49E-11	1.81E-10	1.25E-11	2.48E-10
678	470673.76	3819075.36	6.63E-10	2.79E-09	2.51E-10	3.70E-09	5.52E-10	2.05E-09	1.80E-10	2.78E-09	6.26E-11	3.59E-10	4.28E-11	4.64E-10	5.69E-11	1.88E-10	1.29E-11	2.58E-10
679	470677.3	3819084.16	6.88E-10	2.89E-09	2.60E-10	3.84E-09	5.73E-10	2.12E-09	1.87E-10	2.88E-09	6.50E-11	3.72E-10	4.44E-11	4.82E-10	5.91E-11	1.95E-10	1.34E-11	2.67E-10
680	470680.84	3819092.96	7.15E-10	3.00E-09	2.70E-10	3.99E-09	5.95E-10	2.21E-09	1.94E-10	2.99E-09	6.75E-11	3.86E-10	4.61E-11	5.00E-10	6.14E-11	2.02E-10	1.39E-11	2.78E-10
681	470684.39	3819101.76	7.42E-10	3.11E-09	2.80E-10	4.14E-09	6.18E-10	2.29E-09	2.01E-10	3.11E-09	7.00E-11	4.01E-10	4.78E-11	5.19E-10	6.37E-11	2.10E-10	1.45E-11	2.88E-10
682	470687.93	3819110.55	7.69E-10	3.23E-09	2.91E-10	4.29E-09	6.41E-10	2.37E-09	2.09E-10	3.22E-09	7.26E-11	4.16E-10	4.96E-11	5.38E-10	6.60E-11	2.18E-10	1.50E-11	2.99E-10
683	470691.47	3819119.35	7.97E-10	3.35E-09	3.02E-10	4.45E-09	6.64E-10	2.46E-09	2.16E-10	3.34E-09	7.53E-11	4.31E-10	5.14E-11	5.58E-10	6.85E-11	2.26E-10	1.56E-11	3.10E-10
684	470695.01	3819128.15	8.26E-10	3.47E-09	3.12E-10	4.61E-09	6.88E-10	2.55E-09	2.24E-10	3.46E-09	7.80E-11	4.46E-10	5.33E-11	5.78E-10	7.09E-11	2.34E-10	1.61E-11	3.21E-10
685	470698.55	3819136.95	8.55E-10	3.59E-09	3.23E-10	4.77E-09	7.12E-10	2.64E-09	2.32E-10	3.58E-09	8.07E-11	4.62E-10	5.51E-11	5.98E-10	7.34E-11	2.42E-10	1.67E-11	3.32E-10
686	470702.09	3819145.74	8.84E-10	3.71E-09	3.34E-10	4.93E-09	7.36E-10	2.73E-09	2.40E-10	3.70E-09	8.34E-11	4.78E-10	5.70E-11	6.18E-10	7.59E-11	2.50E-10	1.72E-11	3.43E-10
687	470705.64	3819154.54	9.13E-10	3.83E-09	3.45E-10	5.09E-09	7.60E-10	2.82E-09	2.48E-10	3.82E-09	8.62E-11	4.93E-10	5.89E-11	6.38E-10	7.83E-11	2.58E-10	1.78E-11	3.55E-10
688	470709.18	3819163.34	9.41E-10	3.95E-09	3.56E-10	5.25E-09	7.84E-10	2.91E-09	2.56E-10	3.94E-09	8.89E-11	5.09E-10	6.07E-11	6.59E-10	8.08E-11	2.66E-10	1.84E-11	3.66E-10
689	470712.72	3819172.14	9.70E-10	4.07E-09	3.67E-10	5.41E-09	8.08E-10	2.99E-09	2.63E-10	4.07E-09	9.16E-11	5.25E-10	6.26E-11	6.79E-10	8.33E-11	2.75E-10	1.89E-11	3.77E-10
690	470716.26	3819180.93	9.99E-10	4.19E-09	3.78E-10	5.57E-09	8.32E-10	3.08E-09	2.71E-10	4.19E-09	9.43E-11	5.40E-10	6.44E-11	6.99E-10	8.57E-11	2.83E-10	1.95E-11	3.88E-10
691	470719.8	3819189.73	1.03E-09	4.31E-09	3.88E-10	5.73E-09	8.55E-10	3.17E-09	2.79E-10	4.30E-09	9.70E-11	5.55E-10	6.62E-11	7.18E-10	8.81E-11	2.91E-10	2.00E-11	3.99E-10
692	470723.34	3819198.53	1.05E-09	4.43E-09	3.99E-10	5.88E-09	8.78E-10	3.25E-09	2.86E-10	4.42E-09	9.95E-11	5.70E-10	6.80E-11	7.37E-10	9.05E-11	2.98E-10	2.06E-11	4.09E-10
693	470726.89	3819207.32	1.08E-09	4.53E-09	4.08E-10	6.02E-09	8.99E-10	3.33E-09	2.93E-10	4.52E-09	1.02E-10	5.84E-10	6.96E-11	7.55E-10	9.27E-11	3.06E-10	2.11E-11	4.19E-10
694	470730.43	3819216.12	1.10E-09	4.64E-09	4.18E-10	6.16E-09	9.20E-10	3.41E-09	3.00E-10	4.63E-09	1.04E-10	5.97E-10	7.12E-11	7.73E-10	9.48E-11	3.13E-10	2.16E-11	4.29E-10
695	470733.97	3819224.92	1.13E-09	4.74E-09	4.27E-10	6.29E-09	9.40E-10	3.48E-09	3.06E-10	4.73E-09	1.07E-10	6.10E-10	7.28E-11	7.89E-10	9.68E-11	3.19E-10	2.20E-11	4.38E-10
696	470268.44	3818778.35	7.42E-10	3.12E-09	2.81E-10	4.14E-09	6.18E-10	2.29E-09	2.01E-10	3.11E-09	7.01E-11	4.01E-10	4.79E-11	5.19E-10	6.37E-11	2.10E-10	1.45E-11	2.88E-10

697	470258.88	3818778.21	7.58E-10	3.18E-09	2.87E-10	4.23E-09	6.31E-10	2.34E-09	2.06E-10	3.17E-09	7.16E-11	4.10E-10	4.89E-11	5.30E-10	6.50E-11	2.14E-10	1.48E-11	2.94E-10
698	470249.31	3818778.08	7.71E-10	3.24E-09	2.92E-10	4.30E-09	6.42E-10	2.38E-09	2.09E-10	3.23E-09	7.28E-11	4.17E-10	4.97E-11	5.40E-10	6.62E-11	2.18E-10	1.50E-11	3.00E-10
699	470239.75	3818777.94	7.84E-10	3.29E-09	2.96E-10	4.37E-09	6.53E-10	2.42E-09	2.13E-10	3.28E-09	7.40E-11	4.24E-10	5.06E-11	5.48E-10	6.73E-11	2.22E-10	1.53E-11	3.04E-10
700	470230.19	3818777.81	7.95E-10	3.34E-09	3.01E-10	4.43E-09	6.62E-10	2.45E-09	2.16E-10	3.33E-09	7.51E-11	4.30E-10	5.13E-11	5.56E-10	6.83E-11	2.25E-10	1.55E-11	3.09E-10
701	470220.63	3818777.67	8.06E-10	3.39E-09	3.05E-10	4.50E-09	6.72E-10	2.49E-09	2.19E-10	3.38E-09	7.61E-11	4.36E-10	5.20E-11	5.64E-10	6.92E-11	2.28E-10	1.57E-11	3.13E-10
702	470211.07	3818777.54	8.16E-10	3.43E-09	3.09E-10	4.55E-09	6.80E-10	2.52E-09	2.22E-10	3.42E-09	7.71E-11	4.41E-10	5.26E-11	5.71E-10	7.01E-11	2.31E-10	1.59E-11	3.17E-10
703	470201.5	3818777.4	8.25E-10	3.46E-09	3.12E-10	4.60E-09	6.87E-10	2.54E-09	2.24E-10	3.46E-09	7.79E-11	4.46E-10	5.32E-11	5.77E-10	7.08E-11	2.33E-10	1.61E-11	3.20E-10
704	470191.94	3818777.27	8.31E-10	3.49E-09	3.14E-10	4.64E-09	6.92E-10	2.57E-09	2.26E-10	3.48E-09	7.85E-11	4.49E-10	5.36E-11	5.82E-10	7.14E-11	2.35E-10	1.62E-11	3.23E-10
705	470163.25	3818776.86	8.42E-10	3.54E-09	3.19E-10	4.70E-09	7.02E-10	2.60E-09	2.29E-10	3.53E-09	7.95E-11	4.55E-10	5.43E-11	5.89E-10	7.23E-11	2.38E-10	1.64E-11	3.27E-10
706	470153.69	3818776.73	8.43E-10	3.54E-09	3.19E-10	4.70E-09	7.02E-10	2.60E-09	2.29E-10	3.53E-09	7.96E-11	4.56E-10	5.44E-11	5.90E-10	7.24E-11	2.39E-10	1.65E-11	3.28E-10
707	470144.13	3818776.59	8.43E-10	3.54E-09	3.19E-10	4.70E-09	7.02E-10	2.60E-09	2.29E-10	3.53E-09	7.96E-11	4.55E-10	5.43E-11	5.89E-10	7.23E-11	2.38E-10	1.64E-11	3.27E-10
708	470134.57	3818776.46	8.39E-10	3.52E-09	3.17E-10	4.68E-09	6.99E-10	2.59E-09	2.28E-10	3.52E-09	7.92E-11	4.54E-10	5.41E-11	5.87E-10	7.20E-11	2.38E-10	1.64E-11	3.26E-10
709	470125.01	3818776.32	8.33E-10	3.50E-09	3.15E-10	4.65E-09	6.94E-10	2.57E-09	2.26E-10	3.49E-09	7.87E-11	4.50E-10	5.37E-11	5.83E-10	7.15E-11	2.36E-10	1.63E-11	3.24E-10
710	470115.44	3818776.19	8.25E-10	3.47E-09	3.12E-10	4.60E-09	6.87E-10	2.55E-09	2.24E-10	3.46E-09	7.79E-11	4.46E-10	5.32E-11	5.77E-10	7.09E-11	2.34E-10	1.61E-11	3.21E-10
711	470296.89	3818742.38	6.11E-10	2.57E-09	2.31E-10	3.41E-09	5.09E-10	1.89E-09	1.66E-10	2.56E-09	5.77E-11	3.30E-10	3.94E-11	4.28E-10	5.25E-11	1.73E-10	1.19E-11	2.37E-10
712	470305.65	3818746.14	6.05E-10	2.54E-09	2.29E-10	3.37E-09	5.04E-10	1.87E-09	1.64E-10	2.54E-09	5.71E-11	3.27E-10	3.90E-11	4.23E-10	5.19E-11	1.71E-10	1.18E-11	2.35E-10
713	470314.41	3818749.9	5.98E-10	2.51E-09	2.26E-10	3.34E-09	4.98E-10	1.85E-09	1.62E-10	2.51E-09	5.65E-11	3.23E-10	3.86E-11	4.18E-10	5.13E-11	1.69E-10	1.17E-11	2.32E-10
714	470323.18	3818753.66	5.91E-10	2.48E-09	2.23E-10	3.30E-09	4.92E-10	1.82E-09	1.60E-10	2.48E-09	5.58E-11	3.19E-10	3.81E-11	4.13E-10	5.07E-11	1.67E-10	1.15E-11	2.29E-10
715	470331.94	3818757.42	5.83E-10	2.45E-09	2.21E-10	3.25E-09	4.86E-10	1.80E-09	1.58E-10	2.44E-09	5.51E-11	3.15E-10	3.76E-11	4.08E-10	5.01E-11	1.65E-10	1.14E-11	2.26E-10
716	470340.7	3818761.18	5.75E-10	2.41E-09	2.17E-10	3.21E-09	4.79E-10	1.77E-09	1.56E-10	2.41E-09	5.43E-11	3.11E-10	3.71E-11	4.02E-10	4.94E-11	1.63E-10	1.12E-11	2.23E-10
717	470349.46	3818764.95	5.67E-10	2.38E-09	2.14E-10	3.16E-09	4.72E-10	1.75E-09	1.54E-10	2.37E-09	5.35E-11	3.06E-10	3.65E-11	3.96E-10	4.86E-11	1.60E-10	1.11E-11	2.20E-10
718	470358.23	3818768.71	5.59E-10	2.35E-09	2.11E-10	3.12E-09	4.66E-10	1.72E-09	1.52E-10	2.34E-09	5.28E-11	3.02E-10	3.60E-11	3.91E-10	4.80E-11	1.58E-10	1.09E-11	2.17E-10
719	470366.99	3818772.47	5.51E-10	2.31E-09	2.08E-10	3.07E-09	4.59E-10	1.70E-09	1.50E-10	2.31E-09	5.20E-11	2.98E-10	3.55E-11	3.85E-10	4.73E-11	1.56E-10	1.08E-11	2.14E-10
720	470375.75	3818776.23	5.43E-10	2.28E-09	2.05E-10	3.03E-09	4.52E-10	1.68E-09	1.47E-10	2.27E-09	5.13E-11	2.94E-10	3.50E-11	3.80E-10	4.66E-11	1.54E-10	1.06E-11	2.11E-10
721	470384.51	3818779.99	5.34E-10	2.24E-09	2.02E-10	2.98E-09	4.45E-10	1.65E-09	1.45E-10	2.24E-09	5.04E-11	2.89E-10	3.45E-11	3.74E-10	4.59E-11	1.51E-10	1.04E-11	2.08E-10
722	470393.27	3818783.75	5.25E-10	2.20E-09	1.98E-10	2.93E-09	4.37E-10	1.62E-09	1.42E-10	2.20E-09	4.96E-11	2.84E-10	3.39E-11	3.67E-10	4.51E-11	1.49E-10	1.02E-11	2.04E-10
723	470472.13	3818817.6	4.42E-10	1.85E-09	1.67E-10	2.46E-09	3.68E-10	1.36E-09	1.20E-10	1.85E-09	4.17E-11	2.39E-10	2.85E-11	3.09E-10	3.79E-11	1.25E-10	8.62E-12	1.72E-10
724	470480.89	3818821.36	4.33E-10	1.82E-09	1.64E-10	2.41E-09	3.60E-10	1.33E-09	1.17E-10	1.81E-09	4.09E-11	2.34E-10	2.79E-11	3.03E-10	3.71E-11	1.22E-10	8.44E-12	1.68E-10
725	470489.66	3818825.12	4.24E-10	1.78E-09	1.60E-10	2.37E-09	3.53E-10	1.31E-09	1.15E-10	1.78E-09	4.00E-11	2.29E-10	2.74E-11	2.97E-10	3.64E-11	1.20E-10	8.27E-12	1.65E-10
726	470498.42	3818828.88	4.16E-10	1.75E-09	1.57E-10	2.32E-09	3.46E-10	1.28E-09	1.13E-10	1.74E-09	3.93E-11	2.25E-10	2.68E-11	2.91E-10	3.57E-11	1.18E-10	8.12E-12	1.62E-10
727	470603.56	3818874.01	3.38E-10	1.42E-09	1.28E-10	1.88E-09	2.81E-10	1.04E-09	9.17E-11	1.42E-09	3.19E-11	1.83E-10	2.18E-11	2.36E-10	2.90E-11	9.56E-11	6.59E-12	1.31E-10
728	470612.33	3818877.77	3.34E-10	1.40E-09	1.26E-10	1.86E-09	2.78E-10	1.03E-09	9.05E-11	1.40E-09	3.15E-11	1.80E-10	2.15E-11	2.33E-10	2.86E-11	9.44E-11	6.51E-12	1.30E-10
729	470621.09	3818881.53	3.30E-10	1.39E-09	1.25E-10	1.84E-09	2.75E-10	1.02E-09	8.95E-11	1.38E-09	3.11E-11	1.78E-10	2.13E-11	2.31E-10	2.83E-11	9.34E-11	6.44E-12	1.28E-10
730	470629.85	3818885.29	3.26E-10	1.37E-09	1.23E-10	1.82E-09	2.72E-10	1.01E-09	8.86E-11	1.37E-09	3.08E-11	1.76E-10	2.11E-11	2.28E-10	2.80E-11	9.24E-11	6.37E-12	1.27E-10
731	470642.17	3818897.9	3.30E-10	1.39E-09	1.25E-10	1.84E-09	2.75E-10	1.02E-09	8.95E-11	1.38E-09	3.11E-11	1.78E-10	2.13E-11	2.31E-10	2.83E-11	9.34E-11	6.44E-12	1.28E-10
732	470645.73	3818906.74	3.37E-10	1.41E-09	1.27E-10	1.88E-09	2.81E-10	1.04E-09	9.14E-11	1.41E-09	3.18E-11	1.82E-10	2.17E-11	2.36E-10	2.89E-11	9.53E-11	6.57E-12	1.31E-10
733	470649.29	3818915.59	3.44E-10	1.45E-09	1.30E-10	1.92E-09	2.87E-10	1.06E-09	9.35E-11	1.44E-09	3.25E-11	1.86E-10	2.22E-11	2.41E-10	2.96E-11	9.75E-11	6.72E-12	1.34E-10
734	470652.86	3818924.43	3.53E-10	1.48E-09	1.33E-10	1.97E-09	2.94E-10	1.09E-09	9.57E-11	1.48E-09	3.33E-11	1.91E-10	2.27E-11	2.47E-10	3.03E-11	9.98E-11	6.88E-12	1.37E-10
735	470656.42	3818933.28	3.61E-10	1.52E-09	1.37E-10	2.02E-09	3.01E-10	1.12E-09	9.81E-11	1.51E-09	3.41E-11	1.95E-10	2.33E-11	2.53E-10	3.10E-11	1.02E-10	7.05E-12	1.40E-10
736	470667.1	3818959.81	3.92E-10	1.65E-09	1.48E-10	2.19E-09	3.27E-10	1.21E-09	1.06E-10	1.64E-09	3.70E-11	2.12E-10	2.53E-11	2.74E-10	3.37E-11	1.11E-10	7.65E-12	1.52E-10
737	470670.66	3818968.66	4.04E-10	1.70E-09	1.53E-10	2.25E-09	3.36E-10	1.25E-09	1.10E-10	1.69E-09	3.81E-11	2.18E-10	2.60E-11	2.82E-10	3.47E-11	1.14E-10	7.88E-12	1.57E-10
738	470674.22	3818977.5	4.16E-10	1.75E-09	1.57E-10	2.32E-09	3.47E-10	1.28E-09	1.13E-10	1.74E-09	3.93E-11	2.25E-10	2.69E-11	2.91E-10	3.57E-11	1.18E-10	8.12E-12	1.62E-10
739	470677.78	3818986.35	4.30E-10	1.80E-09	1.62E-10	2.40E-09	3.58E-10	1.33E-09	1.17E-10	1.80E-09	4.06E-11	2.32E-10	2.77E-11	3.01E-10	3.69E-11	1.22E-10	8.38E-12	1.67E-10
740	470681.34	3818995.19	4.44E-10	1.86E-09	1.68E-10	2.48E-09	3.70E-10	1.37E-09	1.20E-10	1.86E-09	4.19E-11	2.40E-10	2.86E-11	3.10E-10	3.81E-11	1.26E-10	8.66E-12	1.72E-10
741	470684.9	3819004.04	4.59E-10	1.93E-09	1.73E-10	2.56E-09	3.82E-10	1.42E-09	1.25E-10	1.92E-09	4.33E-11	2.48E-10	2.96E-11	3.21E-10	3.94E-11	1.30E-10	8.95E-12	1.78E-10
742	470688.47	3819012.88	4.75E-10	1.99E-09	1.79E-10	2.65E-09	3.95E-10	1.46E-09	1.29E-10	1.99E-09	4.48E-11	2.57E-10	3.06E-11	3.32E-10	4.07E-11	1.34E-10	9.26E-12	1.84E-10
743	470692.03	3819021.73	4.91E-10	2.06E-09	1.86E-10	2.74E-09	4.09E-10	1.52E-09	1.33E-10	2.06E-09	4.64E-11	2.66E-10	3.17E-11	3.44E-10	4.22E-11	1.39E-10	9.58E-12	1.91E-10
744	470695.59	3819030.57	5.09E-10	2.14E-09	1.92E-10	2.84E-09	4.24E-10	1.57E-09	1.38E-10	2.13E-09	4.80E-11	2.75E-10	3.28E-11	3.56E-10	4.37E-11	1.44E-10	9.93E-12	1.98E-10
745	470699.15	3819039.42	5.27E-10	2.21E-09	1.99E-10	2.94E-09	4.39E-10	1.63E-09	1.43E-10	2.21E-09	4.98E-11	2.85E-10	3.40E-11	3.69E-10	4.53E-11	1.49E-10	1.03E-11	2.05E-10
746	470702.71	3819048.26	5.46E-10	2.29E-09	2.07E-10	3.05E-09	4.55E-10	1.69E-09	1.48E-10	2.29E-09	5.16E-11	2.95E-10	3.52E-11	3.82E-10	4.69E-11	1.55E-10	1.07E-11	2.12E-10

747	470706.27	3819057.11	5.66E-10	2.38E-09	2.14E-10	3.16E-09	4.72E-10	1.75E-09	1.54E-10	2.37E-09	5.35E-11	3.06E-10	3.65E-11	3.96E-10	4.86E-11	1.60E-10	1.10E-11	2.20E-10
748	470709.83	3819065.95	5.87E-10	2.47E-09	2.22E-10	3.27E-09	4.89E-10	1.81E-09	1.59E-10	2.46E-09	5.54E-11	3.17E-10	3.79E-11	4.11E-10	5.04E-11	1.66E-10	1.15E-11	2.28E-10
749	470713.39	3819074.8	6.08E-10	2.55E-09	2.30E-10	3.39E-09	5.07E-10	1.88E-09	1.65E-10	2.55E-09	5.74E-11	3.29E-10	3.92E-11	4.26E-10	5.22E-11	1.72E-10	1.19E-11	2.36E-10
750	470716.95	3819083.64	6.30E-10	2.65E-09	2.38E-10	3.52E-09	5.25E-10	1.95E-09	1.71E-10	2.64E-09	5.95E-11	3.41E-10	4.07E-11	4.41E-10	5.41E-11	1.78E-10	1.23E-11	2.45E-10
751	470720.51	3819092.49	6.53E-10	2.74E-09	2.47E-10	3.64E-09	5.44E-10	2.02E-09	1.77E-10	2.74E-09	6.17E-11	3.53E-10	4.21E-11	4.57E-10	5.61E-11	1.85E-10	1.27E-11	2.54E-10
752	470724.08	3819101.33	6.76E-10	2.84E-09	2.56E-10	3.77E-09	5.63E-10	2.09E-09	1.84E-10	2.83E-09	6.38E-11	3.65E-10	4.36E-11	4.73E-10	5.80E-11	1.91E-10	1.32E-11	2.63E-10
753	470727.64	3819110.18	6.99E-10	2.94E-09	2.65E-10	3.90E-09	5.83E-10	2.16E-09	1.90E-10	2.93E-09	6.60E-11	3.78E-10	4.51E-11	4.89E-10	6.00E-11	1.98E-10	1.36E-11	2.72E-10
754	470731.2	3819119.02	7.23E-10	3.04E-09	2.73E-10	4.03E-09	6.02E-10	2.23E-09	1.96E-10	3.03E-09	6.83E-11	3.91E-10	4.66E-11	5.06E-10	6.21E-11	2.05E-10	1.41E-11	2.81E-10
755	470734.76	3819127.87	7.47E-10	3.14E-09	2.82E-10	4.17E-09	6.22E-10	2.31E-09	2.03E-10	3.13E-09	7.05E-11	4.04E-10	4.82E-11	5.23E-10	6.41E-11	2.11E-10	1.46E-11	2.90E-10
756	470738.32	3819136.72	7.71E-10	3.24E-09	2.92E-10	4.30E-09	6.42E-10	2.38E-09	2.09E-10	3.23E-09	7.28E-11	4.17E-10	4.97E-11	5.39E-10	6.62E-11	2.18E-10	1.50E-11	2.99E-10
757	470741.88	3819145.56	7.95E-10	3.34E-09	3.01E-10	4.44E-09	6.62E-10	2.45E-09	2.16E-10	3.33E-09	7.51E-11	4.30E-10	5.13E-11	5.56E-10	6.83E-11	2.25E-10	1.55E-11	3.09E-10
758	470745.44	3819154.41	8.20E-10	3.44E-09	3.10E-10	4.57E-09	6.83E-10	2.53E-09	2.22E-10	3.43E-09	7.74E-11	4.43E-10	5.29E-11	5.73E-10	7.04E-11	2.32E-10	1.60E-11	3.18E-10
759	470749	3819163.25	8.43E-10	3.54E-09	3.19E-10	4.70E-09	7.03E-10	2.60E-09	2.29E-10	3.53E-09	7.96E-11	4.56E-10	5.44E-11	5.90E-10	7.24E-11	2.39E-10	1.65E-11	3.28E-10
760	470752.56	3819172.1	8.67E-10	3.64E-09	3.28E-10	4.84E-09	7.22E-10	2.68E-09	2.35E-10	3.63E-09	8.19E-11	4.69E-10	5.59E-11	6.07E-10	7.45E-11	2.45E-10	1.69E-11	3.37E-10
761	470756.12	3819180.94	8.91E-10	3.74E-09	3.37E-10	4.97E-09	7.42E-10	2.75E-09	2.42E-10	3.73E-09	8.41E-11	4.81E-10	5.74E-11	6.23E-10	7.65E-11	2.52E-10	1.74E-11	3.46E-10
762	470759.69	3819189.79	9.13E-10	3.84E-09	3.45E-10	5.09E-09	7.61E-10	2.82E-09	2.48E-10	3.83E-09	8.63E-11	4.94E-10	5.89E-11	6.39E-10	7.84E-11	2.59E-10	1.78E-11	3.55E-10
763	470763.25	3819198.63	9.35E-10	3.93E-09	3.54E-10	5.22E-09	7.79E-10	2.89E-09	2.54E-10	3.92E-09	8.83E-11	5.06E-10	6.03E-11	6.54E-10	8.03E-11	2.65E-10	1.83E-11	3.63E-10
764	470766.81	3819207.48	9.56E-10	4.02E-09	3.62E-10	5.33E-09	7.97E-10	2.95E-09	2.60E-10	4.01E-09	9.03E-11	5.17E-10	6.17E-11	6.69E-10	8.21E-11	2.71E-10	1.87E-11	3.71E-10
765	470770.37	3819216.32	9.76E-10	4.10E-09	3.69E-10	5.45E-09	8.13E-10	3.01E-09	2.65E-10	4.09E-09	9.22E-11	5.28E-10	6.30E-11	6.83E-10	8.38E-11	2.76E-10	1.91E-11	3.79E-10
766	470773.93	3819225.17	9.96E-10	4.18E-09	3.77E-10	5.55E-09	8.29E-10	3.07E-09	2.70E-10	4.17E-09	9.40E-11	5.38E-10	6.42E-11	6.96E-10	8.55E-11	2.82E-10	1.94E-11	3.87E-10
767	470288.13	3818738.62	6.17E-10	2.59E-09	2.33E-10	3.44E-09	5.14E-10	1.90E-09	1.67E-10	2.59E-09	5.83E-11	3.34E-10	3.98E-11	4.32E-10	5.30E-11	1.75E-10	1.20E-11	2.40E-10
768	470278.57	3818738.48	6.30E-10	2.64E-09	2.38E-10	3.51E-09	5.24E-10	1.94E-09	1.71E-10	2.64E-09	5.95E-11	3.40E-10	4.06E-11	4.40E-10	5.41E-11	1.78E-10	1.23E-11	2.45E-10
769	470269	3818738.35	6.42E-10	2.70E-09	2.43E-10	3.58E-09	5.35E-10	1.98E-09	1.74E-10	2.69E-09	6.06E-11	3.47E-10	4.14E-11	4.49E-10	5.51E-11	1.82E-10	1.25E-11	2.49E-10
770	470259.44	3818738.21	6.54E-10	2.75E-09	2.47E-10	3.65E-09	5.45E-10	2.02E-09	1.77E-10	2.74E-09	6.17E-11	3.53E-10	4.22E-11	4.57E-10	5.61E-11	1.85E-10	1.28E-11	2.54E-10
771	470249.88	3818738.08	6.66E-10	2.80E-09	2.52E-10	3.71E-09	5.55E-10	2.05E-09	1.81E-10	2.79E-09	6.29E-11	3.60E-10	4.30E-11	4.66E-10	5.72E-11	1.89E-10	1.30E-11	2.59E-10
772	470240.32	3818737.94	6.77E-10	2.84E-09	2.56E-10	3.78E-09	5.64E-10	2.09E-09	1.84E-10	2.84E-09	6.39E-11	3.66E-10	4.37E-11	4.74E-10	5.81E-11	1.92E-10	1.32E-11	2.63E-10
773	470230.75	3818737.81	6.88E-10	2.89E-09	2.60E-10	3.83E-09	5.73E-10	2.12E-09	1.87E-10	2.88E-09	6.49E-11	3.72E-10	4.43E-11	4.81E-10	5.90E-11	1.95E-10	1.34E-11	2.67E-10
774	470221.19	3818737.67	6.97E-10	2.93E-09	2.64E-10	3.89E-09	5.80E-10	2.15E-09	1.89E-10	2.92E-09	6.58E-11	3.77E-10	4.49E-11	4.87E-10	5.98E-11	1.97E-10	1.36E-11	2.71E-10
775	470211.63	3818737.54	7.05E-10	2.96E-09	2.67E-10	3.93E-09	5.87E-10	2.18E-09	1.91E-10	2.95E-09	6.66E-11	3.81E-10	4.55E-11	4.93E-10	6.05E-11	2.00E-10	1.38E-11	2.74E-10
776	470202.07	3818737.4	7.12E-10	2.99E-09	2.69E-10	3.97E-09	5.93E-10	2.20E-09	1.93E-10	2.98E-09	6.72E-11	3.85E-10	4.59E-11	4.98E-10	6.11E-11	2.02E-10	1.39E-11	2.77E-10
777	470192.51	3818737.27	7.18E-10	3.01E-09	2.71E-10	4.00E-09	5.98E-10	2.22E-09	1.95E-10	3.01E-09	6.78E-11	3.88E-10	4.63E-11	5.02E-10	6.16E-11	2.03E-10	1.40E-11	2.79E-10
778	470182.94	3818737.13	7.22E-10	3.03E-09	2.73E-10	4.03E-09	6.02E-10	2.23E-09	1.96E-10	3.03E-09	6.82E-11	3.90E-10	4.66E-11	5.05E-10	6.20E-11	2.04E-10	1.41E-11	2.81E-10
779	470173.38	3818737	7.25E-10	3.05E-09	2.74E-10	4.05E-09	6.04E-10	2.24E-09	1.97E-10	3.04E-09	6.85E-11	3.92E-10	4.68E-11	5.07E-10	6.23E-11	2.05E-10	1.42E-11	2.82E-10
780	470163.82	3818736.86	7.27E-10	3.05E-09	2.75E-10	4.06E-09	6.06E-10	2.24E-09	1.97E-10	3.05E-09	6.87E-11	3.93E-10	4.69E-11	5.09E-10	6.24E-11	2.06E-10	1.42E-11	2.82E-10
781	470154.26	3818736.73	7.27E-10	3.05E-09	2.75E-10	4.06E-09	6.06E-10	2.24E-09	1.97E-10	3.05E-09	6.87E-11	3.93E-10	4.69E-11	5.09E-10	6.24E-11	2.06E-10	1.42E-11	2.83E-10
782	470144.69	3818736.59	7.26E-10	3.05E-09	2.75E-10	4.05E-09	6.05E-10	2.24E-09	1.97E-10	3.04E-09	6.86E-11	3.93E-10	4.69E-11	5.08E-10	6.24E-11	2.06E-10	1.42E-11	2.82E-10
783	470135.13	3818736.46	7.24E-10	3.04E-09	2.74E-10	4.04E-09	6.03E-10	2.23E-09	1.97E-10	3.03E-09	6.84E-11	3.91E-10	4.67E-11	5.07E-10	6.22E-11	2.05E-10	1.41E-11	2.81E-10
784	470125.57	3818736.32	7.21E-10	3.03E-09	2.73E-10	4.02E-09	6.00E-10	2.22E-09	1.96E-10	3.02E-09	6.80E-11	3.90E-10	4.65E-11	5.04E-10	6.19E-11	2.04E-10	1.41E-11	2.80E-10
785	470116.01	3818736.19	7.16E-10	3.01E-09	2.71E-10	3.99E-09	5.96E-10	2.21E-09	1.94E-10	3.00E-09	6.76E-11	3.87E-10	4.62E-11	5.01E-10	6.15E-11	2.03E-10	1.40E-11	2.78E-10
786	470297.3	3818702.32	5.37E-10	2.26E-09	2.03E-10	3.00E-09	4.48E-10	1.66E-09	1.46E-10	2.25E-09	5.07E-11	2.90E-10	3.47E-11	3.76E-10	4.61E-11	1.52E-10	1.05E-11	2.09E-10
787	470305.9	3818706.01	5.32E-10	2.23E-09	2.01E-10	2.97E-09	4.43E-10	1.64E-09	1.44E-10	2.23E-09	5.03E-11	2.88E-10	3.43E-11	3.72E-10	4.57E-11	1.51E-10	1.04E-11	2.07E-10
788	470314.5	3818709.7	5.27E-10	2.21E-09	1.99E-10	2.94E-09	4.39E-10	1.63E-09	1.43E-10	2.21E-09	4.97E-11	2.85E-10	3.40E-11	3.68E-10	4.52E-11	1.49E-10	1.03E-11	2.05E-10
789	470323.1	3818713.39	5.21E-10	2.19E-09	1.97E-10	2.91E-09	4.34E-10	1.61E-09	1.41E-10	2.18E-09	4.92E-11	2.82E-10	3.36E-11	3.64E-10	4.47E-11	1.47E-10	1.02E-11	2.02E-10
790	470331.71	3818717.09	5.15E-10	2.16E-09	1.95E-10	2.87E-09	4.29E-10	1.59E-09	1.40E-10	2.16E-09	4.86E-11	2.78E-10	3.32E-11	3.60E-10	4.42E-11	1.46E-10	1.00E-11	2.00E-10
791	470340.31	3818720.78	5.08E-10	2.13E-09	1.92E-10	2.83E-09	4.23E-10	1.57E-09	1.38E-10	2.13E-09	4.80E-11	2.75E-10	3.28E-11	3.55E-10	4.36E-11	1.44E-10	9.91E-12	1.97E-10
792	470348.91	3818724.47	5.01E-10	2.11E-09	1.90E-10	2.80E-09	4.18E-10	1.55E-09	1.36E-10	2.10E-09	4.73E-11	2.71E-10	3.23E-11	3.51E-10	4.30E-11	1.42E-10	9.78E-12	1.95E-10
793	470357.52	3818728.16	4.95E-10	2.08E-09	1.87E-10	2.76E-09	4.12E-10	1.53E-09	1.34E-10	2.07E-09	4.68E-11	2.68E-10	3.19E-11	3.46E-10	4.25E-11	1.40E-10	9.66E-12	1.92E-10
794	470366.12	3818731.86	4.89E-10	2.05E-09	1.85E-10	2.73E-09	4.07E-10	1.51E-09	1.33E-10	2.05E-09	4.62E-11	2.64E-10	3.15E-11	3.42E-10	4.20E-11	1.38E-10	9.54E-12	1.90E-10
795	470469.35	3818776.16	4.02E-10	1.69E-09	1.52E-10	2.24E-09	3.35E-10	1.24E-09	1.09E-10	1.68E-09	3.79E-11	2.17E-10	2.59E-11	2.81E-10	3.45E-11	1.14E-10	7.84E-12	1.56E-10
796	470477.95	3818779.86	3.94E-10	1.66E-09	1.49E-10	2.20E-09	3.28E-10	1.22E-09	1.07E-10	1.65E-09	3.72E-11	2.13E-10	2.54E-11	2.76E-10	3.38E-11	1.12E-10	7.69E-12	1.53E-10

797	470486.56	3818783.55	3.87E-10	1.62E-09	1.46E-10	2.16E-09	3.22E-10	1.19E-09	1.05E-10	1.62E-09	3.65E-11	2.09E-10	2.49E-11	2.71E-10	3.32E-11	1.09E-10	7.55E-12	1.50E-10
798	470495.16	3818787.24	3.79E-10	1.59E-09	1.43E-10	2.12E-09	3.16E-10	1.17E-09	1.03E-10	1.59E-09	3.58E-11	2.05E-10	2.45E-11	2.65E-10	3.26E-11	1.07E-10	7.40E-12	1.47E-10
799	470503.76	3818790.93	3.72E-10	1.56E-09	1.41E-10	2.08E-09	3.10E-10	1.15E-09	1.01E-10	1.56E-09	3.51E-11	2.01E-10	2.40E-11	2.60E-10	3.19E-11	1.05E-10	7.26E-12	1.45E-10
800	470512.37	3818794.63	3.66E-10	1.54E-09	1.38E-10	2.04E-09	3.05E-10	1.13E-09	9.92E-11	1.53E-09	3.45E-11	1.98E-10	2.36E-11	2.56E-10	3.14E-11	1.03E-10	7.13E-12	1.42E-10
801	470624.2	3818842.63	2.93E-10	1.23E-09	1.11E-10	1.64E-09	2.44E-10	9.06E-10	7.97E-11	1.23E-09	2.77E-11	1.59E-10	1.89E-11	2.05E-10	2.52E-11	8.31E-11	5.73E-12	1.14E-10
802	470632.8	3818846.32	2.90E-10	1.22E-09	1.10E-10	1.62E-09	2.41E-10	8.95E-10	7.87E-11	1.21E-09	2.74E-11	1.57E-10	1.87E-11	2.03E-10	2.49E-11	8.21E-11	5.66E-12	1.13E-10
803	470641.41	3818850.01	2.87E-10	1.20E-09	1.08E-10	1.60E-09	2.39E-10	8.84E-10	7.78E-11	1.20E-09	2.71E-11	1.55E-10	1.85E-11	2.01E-10	2.46E-11	8.11E-11	5.59E-12	1.11E-10
804	470650.01	3818853.7	2.84E-10	1.19E-09	1.07E-10	1.58E-09	2.36E-10	8.75E-10	7.70E-11	1.19E-09	2.68E-11	1.53E-10	1.83E-11	1.98E-10	2.44E-11	8.03E-11	5.54E-12	1.10E-10
805	470658.61	3818857.4	2.81E-10	1.18E-09	1.06E-10	1.57E-09	2.34E-10	8.67E-10	7.63E-11	1.18E-09	2.65E-11	1.52E-10	1.81E-11	1.97E-10	2.41E-11	7.95E-11	5.48E-12	1.09E-10
806	470670.71	3818869.77	2.84E-10	1.19E-09	1.07E-10	1.58E-09	2.36E-10	8.75E-10	7.70E-11	1.19E-09	2.68E-11	1.53E-10	1.83E-11	1.98E-10	2.43E-11	8.03E-11	5.53E-12	1.10E-10
807	470674.21	3818878.46	2.89E-10	1.21E-09	1.09E-10	1.61E-09	2.41E-10	8.92E-10	7.85E-11	1.21E-09	2.73E-11	1.56E-10	1.86E-11	2.02E-10	2.48E-11	8.18E-11	5.64E-12	1.12E-10
808	470677.7	3818887.14	2.95E-10	1.24E-09	1.12E-10	1.65E-09	2.46E-10	9.10E-10	8.01E-11	1.24E-09	2.79E-11	1.59E-10	1.90E-11	2.06E-10	2.53E-11	8.35E-11	5.76E-12	1.15E-10
809	470681.2	3818895.83	3.01E-10	1.27E-09	1.14E-10	1.68E-09	2.51E-10	9.30E-10	8.18E-11	1.26E-09	2.85E-11	1.63E-10	1.94E-11	2.11E-10	2.59E-11	8.53E-11	5.88E-12	1.17E-10
810	470684.7	3818904.51	3.08E-10	1.29E-09	1.17E-10	1.72E-09	2.57E-10	9.51E-10	8.37E-11	1.29E-09	2.91E-11	1.67E-10	1.99E-11	2.16E-10	2.65E-11	8.73E-11	6.02E-12	1.20E-10
811	470688.19	3818913.2	3.16E-10	1.33E-09	1.19E-10	1.76E-09	2.63E-10	9.74E-10	8.57E-11	1.32E-09	2.98E-11	1.71E-10	2.04E-11	2.21E-10	2.71E-11	8.94E-11	6.16E-12	1.23E-10
812	470691.69	3818921.88	3.24E-10	1.36E-09	1.22E-10	1.80E-09	2.70E-10	9.99E-10	8.78E-11	1.36E-09	3.06E-11	1.75E-10	2.09E-11	2.26E-10	2.78E-11	9.16E-11	6.31E-12	1.26E-10
813	470695.19	3818930.56	3.32E-10	1.39E-09	1.26E-10	1.85E-09	2.77E-10	1.02E-09	9.02E-11	1.39E-09	3.14E-11	1.80E-10	2.14E-11	2.32E-10	2.85E-11	9.40E-11	6.48E-12	1.29E-10
814	470698.68	3818939.25	3.41E-10	1.43E-09	1.29E-10	1.90E-09	2.84E-10	1.05E-09	9.26E-11	1.43E-09	3.22E-11	1.84E-10	2.20E-11	2.39E-10	2.93E-11	9.66E-11	6.66E-12	1.32E-10
815	470702.18	3818947.93	3.51E-10	1.47E-09	1.33E-10	1.96E-09	2.92E-10	1.08E-09	9.52E-11	1.47E-09	3.31E-11	1.90E-10	2.26E-11	2.45E-10	3.01E-11	9.93E-11	6.84E-12	1.36E-10
816	470705.67	3818956.62	3.61E-10	1.52E-09	1.37E-10	2.01E-09	3.01E-10	1.11E-09	9.80E-11	1.51E-09	3.41E-11	1.95E-10	2.33E-11	2.52E-10	3.10E-11	1.02E-10	7.04E-12	1.40E-10
817	470709.17	3818965.3	3.72E-10	1.56E-09	1.41E-10	2.07E-09	3.10E-10	1.15E-09	1.01E-10	1.56E-09	3.51E-11	2.01E-10	2.40E-11	2.60E-10	3.19E-11	1.05E-10	7.25E-12	1.44E-10
818	470712.67	3818973.99	3.83E-10	1.61E-09	1.45E-10	2.14E-09	3.19E-10	1.18E-09	1.04E-10	1.60E-09	3.62E-11	2.07E-10	2.47E-11	2.68E-10	3.29E-11	1.08E-10	7.47E-12	1.49E-10
819	470716.16	3818982.67	3.95E-10	1.66E-09	1.49E-10	2.20E-09	3.29E-10	1.22E-09	1.07E-10	1.65E-09	3.73E-11	2.13E-10	2.55E-11	2.76E-10	3.39E-11	1.12E-10	7.71E-12	1.53E-10
820	470719.66	3818991.35	4.08E-10	1.71E-09	1.54E-10	2.27E-09	3.39E-10	1.26E-09	1.11E-10	1.71E-09	3.85E-11	2.20E-10	2.63E-11	2.85E-10	3.50E-11	1.15E-10	7.95E-12	1.58E-10
821	470723.16	3819000.04	4.21E-10	1.77E-09	1.59E-10	2.35E-09	3.51E-10	1.30E-09	1.14E-10	1.76E-09	3.97E-11	2.28E-10	2.71E-11	2.94E-10	3.61E-11	1.19E-10	8.21E-12	1.63E-10
822	470726.65	3819008.72	4.35E-10	1.83E-09	1.64E-10	2.43E-09	3.62E-10	1.34E-09	1.18E-10	1.82E-09	4.11E-11	2.35E-10	2.80E-11	3.04E-10	3.73E-11	1.23E-10	8.48E-12	1.69E-10
823	470730.15	3819017.41	4.49E-10	1.89E-09	1.70E-10	2.51E-09	3.74E-10	1.39E-09	1.22E-10	1.88E-09	4.24E-11	2.43E-10	2.90E-11	3.14E-10	3.86E-11	1.27E-10	8.77E-12	1.75E-10
824	470733.64	3819026.09	4.65E-10	1.95E-09	1.76E-10	2.59E-09	3.87E-10	1.43E-09	1.26E-10	1.95E-09	4.39E-11	2.51E-10	3.00E-11	3.25E-10	3.99E-11	1.32E-10	9.07E-12	1.80E-10
825	470737.14	3819034.78	4.80E-10	2.02E-09	1.82E-10	2.68E-09	4.00E-10	1.48E-09	1.30E-10	2.01E-09	4.54E-11	2.60E-10	3.10E-11	3.36E-10	4.12E-11	1.36E-10	9.38E-12	1.87E-10
826	470740.64	3819043.46	4.97E-10	2.09E-09	1.88E-10	2.77E-09	4.14E-10	1.53E-09	1.35E-10	2.08E-09	4.69E-11	2.69E-10	3.21E-11	3.48E-10	4.27E-11	1.41E-10	9.70E-12	1.93E-10
827	470744.13	3819052.14	5.14E-10	2.16E-09	1.94E-10	2.87E-09	4.28E-10	1.59E-09	1.40E-10	2.15E-09	4.85E-11	2.78E-10	3.31E-11	3.59E-10	4.41E-11	1.45E-10	1.00E-11	2.00E-10
828	470747.63	3819060.83	5.31E-10	2.23E-09	2.01E-10	2.96E-09	4.43E-10	1.64E-09	1.44E-10	2.23E-09	5.02E-11	2.87E-10	3.43E-11	3.72E-10	4.56E-11	1.50E-10	1.04E-11	2.06E-10
829	470751.13	3819069.51	5.50E-10	2.31E-09	2.08E-10	3.06E-09	4.58E-10	1.70E-09	1.49E-10	2.30E-09	5.19E-11	2.97E-10	3.54E-11	3.84E-10	4.72E-11	1.56E-10	1.07E-11	2.13E-10
830	470754.62	3819078.2	5.68E-10	2.39E-09	2.15E-10	3.17E-09	4.73E-10	1.75E-09	1.54E-10	2.38E-09	5.36E-11	3.07E-10	3.66E-11	3.97E-10	4.88E-11	1.61E-10	1.11E-11	2.21E-10
831	470758.12	3819086.88	5.87E-10	2.46E-09	2.22E-10	3.27E-09	4.89E-10	1.81E-09	1.59E-10	2.46E-09	5.54E-11	3.17E-10	3.79E-11	4.11E-10	5.04E-11	1.66E-10	1.15E-11	2.28E-10
832	470761.61	3819095.57	6.06E-10	2.54E-09	2.29E-10	3.38E-09	5.05E-10	1.87E-09	1.65E-10	2.54E-09	5.72E-11	3.28E-10	3.91E-11	4.24E-10	5.20E-11	1.72E-10	1.18E-11	2.35E-10
833	470765.11	3819104.25	6.25E-10	2.63E-09	2.37E-10	3.49E-09	5.21E-10	1.93E-09	1.70E-10	2.62E-09	5.91E-11	3.38E-10	4.03E-11	4.38E-10	5.37E-11	1.77E-10	1.22E-11	2.43E-10
834	470768.61	3819112.93	6.45E-10	2.71E-09	2.44E-10	3.60E-09	5.37E-10	1.99E-09	1.75E-10	2.70E-09	6.09E-11	3.49E-10	4.16E-11	4.51E-10	5.54E-11	1.83E-10	1.26E-11	2.51E-10
835	470772.1	3819121.62	6.65E-10	2.79E-09	2.52E-10	3.71E-09	5.54E-10	2.05E-09	1.81E-10	2.79E-09	6.28E-11	3.60E-10	4.29E-11	4.65E-10	5.71E-11	1.88E-10	1.30E-11	2.58E-10
836	470775.6	3819130.3	6.85E-10	2.88E-09	2.59E-10	3.82E-09	5.71E-10	2.11E-09	1.86E-10	2.87E-09	6.47E-11	3.70E-10	4.42E-11	4.79E-10	5.88E-11	1.94E-10	1.34E-11	2.66E-10
837	470779.1	3819138.99	7.05E-10	2.96E-09	2.67E-10	3.93E-09	5.87E-10	2.18E-09	1.91E-10	2.95E-09	6.66E-11	3.81E-10	4.55E-11	4.93E-10	6.05E-11	2.00E-10	1.38E-11	2.74E-10
838	470782.59	3819147.67	7.25E-10	3.05E-09	2.74E-10	4.04E-09	6.04E-10	2.24E-09	1.97E-10	3.04E-09	6.85E-11	3.92E-10	4.68E-11	5.07E-10	6.22E-11	2.05E-10	1.41E-11	2.82E-10
839	470786.09	3819156.36	7.45E-10	3.13E-09	2.82E-10	4.15E-09	6.20E-10	2.30E-09	2.02E-10	3.12E-09	7.03E-11	4.03E-10	4.80E-11	5.21E-10	6.39E-11	2.11E-10	1.45E-11	2.89E-10
840	470789.58	3819165.04	7.64E-10	3.21E-09	2.89E-10	4.26E-09	6.37E-10	2.36E-09	2.08E-10	3.20E-09	7.22E-11	4.13E-10	4.93E-11	5.35E-10	6.56E-11	2.16E-10	1.49E-11	2.97E-10
841	470793.08	3819173.73	7.84E-10	3.29E-09	2.96E-10	4.37E-09	6.53E-10	2.42E-09	2.13E-10	3.28E-09	7.40E-11	4.24E-10	5.05E-11	5.48E-10	6.73E-11	2.22E-10	1.53E-11	3.04E-10
842	470796.58	3819182.41	8.02E-10	3.37E-09	3.03E-10	4.47E-09	6.68E-10	2.48E-09	2.18E-10	3.36E-09	7.58E-11	4.34E-10	5.17E-11	5.61E-10	6.89E-11	2.27E-10	1.57E-11	3.12E-10
843	470800.07	3819191.09	8.20E-10	3.44E-09	3.10E-10	4.58E-09	6.83E-10	2.53E-09	2.23E-10	3.44E-09	7.75E-11	4.43E-10	5.29E-11	5.74E-10	7.04E-11	2.32E-10	1.60E-11	3.19E-10
844	470803.57	3819199.78	8.38E-10	3.52E-09	3.17E-10	4.67E-09	6.98E-10	2.58E-09	2.27E-10	3.51E-09	7.91E-11	4.53E-10	5.40E-11	5.86E-10	7.19E-11	2.37E-10	1.63E-11	3.25E-10
845	470807.07	3819208.46	8.54E-10	3.59E-09	3.23E-10	4.77E-09	7.12E-10	2.64E-09	2.32E-10	3.58E-09	8.07E-11	4.62E-10	5.51E-11	5.98E-10	7.33E-11	2.42E-10	1.67E-11	3.32E-10
846	470810.56	3819217.15	8.70E-10	3.66E-09	3.29E-10	4.85E-09	7.25E-10	2.69E-09	2.36E-10	3.65E-09	8.22E-11	4.71E-10	5.61E-11	6.09E-10	7.47E-11	2.46E-10	1.70E-11	3.38E-10

847	470288.69	3818698.62	5.42E-10	2.28E-09	2.05E-10	3.02E-09	4.51E-10	1.67E-09	1.47E-10	2.27E-09	5.12E-11	2.93E-10	3.50E-11	3.79E-10	4.65E-11	1.53E-10	1.06E-11	2.10E-10
848	470279.13	3818698.49	5.53E-10	2.32E-09	2.09E-10	3.08E-09	4.61E-10	1.71E-09	1.50E-10	2.32E-09	5.22E-11	2.99E-10	3.57E-11	3.87E-10	4.75E-11	1.57E-10	1.08E-11	2.15E-10
849	470269.57	3818698.35	5.64E-10	2.37E-09	2.13E-10	3.14E-09	4.70E-10	1.74E-09	1.53E-10	2.36E-09	5.32E-11	3.05E-10	3.64E-11	3.94E-10	4.84E-11	1.60E-10	1.10E-11	2.19E-10
850	470260.01	3818698.22	5.74E-10	2.41E-09	2.17E-10	3.20E-09	4.78E-10	1.77E-09	1.56E-10	2.41E-09	5.42E-11	3.10E-10	3.70E-11	4.02E-10	4.93E-11	1.62E-10	1.12E-11	2.23E-10
851	470250.44	3818698.08	5.83E-10	2.45E-09	2.21E-10	3.25E-09	4.86E-10	1.80E-09	1.58E-10	2.44E-09	5.51E-11	3.15E-10	3.76E-11	4.08E-10	5.01E-11	1.65E-10	1.14E-11	2.27E-10
852	470240.88	3818697.95	5.92E-10	2.49E-09	2.24E-10	3.30E-09	4.93E-10	1.83E-09	1.61E-10	2.48E-09	5.59E-11	3.20E-10	3.82E-11	4.14E-10	5.09E-11	1.68E-10	1.16E-11	2.30E-10
853	470231.32	3818697.81	6.00E-10	2.52E-09	2.27E-10	3.35E-09	5.00E-10	1.85E-09	1.63E-10	2.52E-09	5.67E-11	3.25E-10	3.87E-11	4.20E-10	5.15E-11	1.70E-10	1.17E-11	2.33E-10
854	470221.76	3818697.68	6.08E-10	2.55E-09	2.30E-10	3.39E-09	5.07E-10	1.88E-09	1.65E-10	2.55E-09	5.74E-11	3.29E-10	3.92E-11	4.25E-10	5.22E-11	1.72E-10	1.19E-11	2.36E-10
855	470212.2	3818697.54	6.15E-10	2.58E-09	2.33E-10	3.43E-09	5.12E-10	1.90E-09	1.67E-10	2.58E-09	5.81E-11	3.32E-10	3.97E-11	4.30E-10	5.28E-11	1.74E-10	1.20E-11	2.39E-10
856	470202.63	3818697.41	6.21E-10	2.61E-09	2.35E-10	3.46E-09	5.17E-10	1.92E-09	1.69E-10	2.60E-09	5.86E-11	3.36E-10	4.01E-11	4.34E-10	5.33E-11	1.76E-10	1.21E-11	2.41E-10
857	470193.07	3818697.27	6.26E-10	2.63E-09	2.37E-10	3.49E-09	5.21E-10	1.93E-09	1.70E-10	2.62E-09	5.91E-11	3.38E-10	4.04E-11	4.38E-10	5.37E-11	1.77E-10	1.22E-11	2.43E-10
858	470183.51	3818697.14	6.30E-10	2.65E-09	2.38E-10	3.51E-09	5.25E-10	1.94E-09	1.71E-10	2.64E-09	5.95E-11	3.41E-10	4.06E-11	4.41E-10	5.41E-11	1.78E-10	1.23E-11	2.45E-10
859	470173.95	3818697	6.33E-10	2.66E-09	2.39E-10	3.53E-09	5.27E-10	1.95E-09	1.72E-10	2.65E-09	5.97E-11	3.42E-10	4.08E-11	4.43E-10	5.43E-11	1.79E-10	1.23E-11	2.46E-10
860	470164.38	3818696.87	6.34E-10	2.66E-09	2.40E-10	3.54E-09	5.28E-10	1.96E-09	1.72E-10	2.66E-09	5.99E-11	3.43E-10	4.09E-11	4.44E-10	5.45E-11	1.80E-10	1.24E-11	2.46E-10
861	470154.82	3818696.73	6.35E-10	2.67E-09	2.40E-10	3.54E-09	5.29E-10	1.96E-09	1.72E-10	2.66E-09	6.00E-11	3.43E-10	4.10E-11	4.44E-10	5.45E-11	1.80E-10	1.24E-11	2.47E-10
862	470145.26	3818696.6	6.35E-10	2.67E-09	2.40E-10	3.54E-09	5.29E-10	1.96E-09	1.72E-10	2.66E-09	5.99E-11	3.43E-10	4.09E-11	4.44E-10	5.45E-11	1.80E-10	1.24E-11	2.47E-10
863	470135.7	3818696.46	6.33E-10	2.66E-09	2.39E-10	3.53E-09	5.27E-10	1.95E-09	1.72E-10	2.65E-09	5.98E-11	3.42E-10	4.08E-11	4.43E-10	5.43E-11	1.79E-10	1.23E-11	2.46E-10
864	470126.14	3818696.33	6.30E-10	2.65E-09	2.38E-10	3.51E-09	5.25E-10	1.94E-09	1.71E-10	2.64E-09	5.95E-11	3.40E-10	4.06E-11	4.41E-10	5.41E-11	1.78E-10	1.23E-11	2.45E-10
865	470116.57	3818696.19	6.26E-10	2.63E-09	2.37E-10	3.49E-09	5.21E-10	1.93E-09	1.70E-10	2.62E-09	5.91E-11	3.38E-10	4.04E-11	4.38E-10	5.37E-11	1.77E-10	1.22E-11	2.43E-10
866	470479.56	3818740.31	3.56E-10	1.50E-09	1.35E-10	1.99E-09	2.97E-10	1.10E-09	9.66E-11	1.49E-09	3.36E-11	1.92E-10	2.30E-11	2.49E-10	3.06E-11	1.01E-10	6.95E-12	1.38E-10
867	470488.21	3818744.02	3.50E-10	1.47E-09	1.32E-10	1.95E-09	2.91E-10	1.08E-09	9.49E-11	1.46E-09	3.30E-11	1.89E-10	2.26E-11	2.45E-10	3.00E-11	9.90E-11	6.82E-12	1.36E-10
868	470496.86	3818747.73	3.43E-10	1.44E-09	1.30E-10	1.91E-09	2.86E-10	1.06E-09	9.32E-11	1.44E-09	3.24E-11	1.86E-10	2.21E-11	2.40E-10	2.95E-11	9.72E-11	6.70E-12	1.33E-10
869	470505.51	3818751.45	3.37E-10	1.42E-09	1.27E-10	1.88E-09	2.81E-10	1.04E-09	9.15E-11	1.41E-09	3.18E-11	1.82E-10	2.17E-11	2.36E-10	2.89E-11	9.54E-11	6.57E-12	1.31E-10
870	470514.16	3818755.16	3.31E-10	1.39E-09	1.25E-10	1.84E-09	2.75E-10	1.02E-09	8.98E-11	1.39E-09	3.12E-11	1.79E-10	2.13E-11	2.31E-10	2.84E-11	9.36E-11	6.45E-12	1.28E-10
871	470522.81	3818758.87	3.25E-10	1.36E-09	1.23E-10	1.81E-09	2.70E-10	1.00E-09	8.81E-11	1.36E-09	3.07E-11	1.75E-10	2.09E-11	2.27E-10	2.79E-11	9.19E-11	6.33E-12	1.26E-10
872	470592.02	3818788.57	2.82E-10	1.18E-09	1.07E-10	1.57E-09	2.35E-10	8.70E-10	7.65E-11	1.18E-09	2.66E-11	1.52E-10	1.82E-11	1.97E-10	2.42E-11	7.98E-11	5.50E-12	1.10E-10
873	470600.67	3818792.29	2.77E-10	1.16E-09	1.05E-10	1.55E-09	2.31E-10	8.56E-10	7.53E-11	1.16E-09	2.62E-11	1.50E-10	1.79E-11	1.94E-10	2.38E-11	7.85E-11	5.41E-12	1.08E-10
874	470609.32	3818796	2.73E-10	1.15E-09	1.03E-10	1.52E-09	2.27E-10	8.42E-10	7.41E-11	1.14E-09	2.58E-11	1.48E-10	1.76E-11	1.91E-10	2.34E-11	7.73E-11	5.33E-12	1.06E-10
875	470617.97	3818799.71	2.69E-10	1.13E-09	1.02E-10	1.50E-09	2.24E-10	8.29E-10	7.29E-11	1.13E-09	2.54E-11	1.45E-10	1.73E-11	1.88E-10	2.31E-11	7.61E-11	5.24E-12	1.04E-10
876	470626.62	3818803.43	2.65E-10	1.11E-09	1.00E-10	1.48E-09	2.21E-10	8.17E-10	7.19E-11	1.11E-09	2.50E-11	1.43E-10	1.71E-11	1.85E-10	2.27E-11	7.49E-11	5.17E-12	1.03E-10
877	470635.27	3818807.14	2.61E-10	1.10E-09	9.87E-11	1.46E-09	2.17E-10	8.05E-10	7.09E-11	1.09E-09	2.46E-11	1.41E-10	1.68E-11	1.83E-10	2.24E-11	7.39E-11	5.09E-12	1.01E-10
878	470643.92	3818810.85	2.58E-10	1.08E-09	9.74E-11	1.44E-09	2.15E-10	7.95E-10	6.99E-11	1.08E-09	2.43E-11	1.39E-10	1.66E-11	1.80E-10	2.21E-11	7.29E-11	5.03E-12	1.00E-10
879	470652.57	3818814.56	2.54E-10	1.07E-09	9.62E-11	1.42E-09	2.12E-10	7.85E-10	6.91E-11	1.07E-09	2.40E-11	1.38E-10	1.64E-11	1.78E-10	2.18E-11	7.20E-11	4.96E-12	9.88E-11
880	470661.22	3818818.28	2.51E-10	1.06E-09	9.51E-11	1.40E-09	2.09E-10	7.76E-10	6.83E-11	1.05E-09	2.37E-11	1.36E-10	1.62E-11	1.76E-10	2.16E-11	7.12E-11	4.91E-12	9.77E-11
881	470669.87	3818821.99	2.49E-10	1.04E-09	9.41E-11	1.39E-09	2.07E-10	7.68E-10	6.75E-11	1.04E-09	2.35E-11	1.34E-10	1.60E-11	1.74E-10	2.14E-11	7.04E-11	4.85E-12	9.66E-11
882	470678.52	3818825.7	2.46E-10	1.03E-09	9.31E-11	1.37E-09	2.05E-10	7.60E-10	6.69E-11	1.03E-09	2.33E-11	1.33E-10	1.59E-11	1.72E-10	2.11E-11	6.97E-11	4.81E-12	9.57E-11
883	470687.17	3818829.41	2.44E-10	1.02E-09	9.23E-11	1.36E-09	2.03E-10	7.53E-10	6.63E-11	1.02E-09	2.30E-11	1.32E-10	1.57E-11	1.71E-10	2.10E-11	6.91E-11	4.76E-12	9.48E-11
884	470699.33	3818841.86	2.46E-10	1.03E-09	9.31E-11	1.37E-09	2.05E-10	7.60E-10	6.69E-11	1.03E-09	2.33E-11	1.33E-10	1.59E-11	1.72E-10	2.11E-11	6.97E-11	4.81E-12	9.57E-11
885	470702.85	3818850.59	2.51E-10	1.05E-09	9.49E-11	1.40E-09	2.09E-10	7.74E-10	6.81E-11	1.05E-09	2.37E-11	1.36E-10	1.62E-11	1.75E-10	2.15E-11	7.10E-11	4.89E-12	9.74E-11
886	470706.37	3818859.32	2.56E-10	1.07E-09	9.67E-11	1.43E-09	2.13E-10	7.89E-10	6.94E-11	1.07E-09	2.41E-11	1.38E-10	1.65E-11	1.79E-10	2.20E-11	7.24E-11	4.99E-12	9.93E-11
887	470720.43	3818894.25	2.79E-10	1.17E-09	1.06E-10	1.56E-09	2.32E-10	8.61E-10	7.57E-11	1.17E-09	2.63E-11	1.51E-10	1.80E-11	1.95E-10	2.39E-11	7.90E-11	5.44E-12	1.08E-10
888	470723.94	3818902.99	2.86E-10	1.20E-09	1.08E-10	1.59E-09	2.38E-10	8.82E-10	7.76E-11	1.20E-09	2.70E-11	1.55E-10	1.84E-11	2.00E-10	2.45E-11	8.09E-11	5.58E-12	1.11E-10
889	470727.46	3818911.72	2.93E-10	1.23E-09	1.11E-10	1.63E-09	2.44E-10	9.04E-10	7.96E-11	1.23E-09	2.77E-11	1.58E-10	1.89E-11	2.05E-10	2.52E-11	8.30E-11	5.72E-12	1.14E-10
890	470730.97	3818920.45	3.01E-10	1.26E-09	1.14E-10	1.68E-09	2.51E-10	9.28E-10	8.16E-11	1.26E-09	2.84E-11	1.63E-10	1.94E-11	2.10E-10	2.58E-11	8.51E-11	5.87E-12	1.17E-10
891	470734.49	3818929.18	3.09E-10	1.30E-09	1.17E-10	1.72E-09	2.57E-10	9.53E-10	8.39E-11	1.29E-09	2.92E-11	1.67E-10	1.99E-11	2.16E-10	2.65E-11	8.75E-11	6.03E-12	1.20E-10
892	470738	3818937.91	3.18E-10	1.33E-09	1.20E-10	1.77E-09	2.65E-10	9.80E-10	8.62E-11	1.33E-09	3.00E-11	1.72E-10	2.05E-11	2.22E-10	2.73E-11	8.99E-11	6.20E-12	1.23E-10
893	470741.52	3818946.65	3.27E-10	1.37E-09	1.24E-10	1.82E-09	2.72E-10	1.01E-09	8.87E-11	1.37E-09	3.09E-11	1.77E-10	2.11E-11	2.29E-10	2.81E-11	9.25E-11	6.38E-12	1.27E-10
894	470745.04	3818955.38	3.37E-10	1.41E-09	1.27E-10	1.88E-09	2.80E-10	1.04E-09	9.13E-11	1.41E-09	3.18E-11	1.82E-10	2.17E-11	2.35E-10	2.89E-11	9.53E-11	6.57E-12	1.31E-10
895	470748.55	3818964.11	3.47E-10	1.46E-09	1.31E-10	1.93E-09	2.89E-10	1.07E-09	9.41E-11	1.45E-09	3.27E-11	1.87E-10	2.24E-11	2.42E-10	2.98E-11	9.81E-11	6.76E-12	1.35E-10
896	470752.07	3818972.84	3.57E-10	1.50E-09	1.35E-10	1.99E-09	2.98E-10	1.10E-09	9.70E-11	1.50E-09	3.37E-11	1.93E-10	2.30E-11	2.50E-10	3.07E-11	1.01E-10	6.97E-12	1.39E-10

897	470755.58	3818981.58	3.69E-10	1.55E-09	1.39E-10	2.06E-09	3.07E-10	1.14E-09	1.00E-10	1.54E-09	3.48E-11	1.99E-10	2.38E-11	2.58E-10	3.16E-11	1.04E-10	7.19E-12	1.43E-10
898	470759.1	3818990.31	3.80E-10	1.60E-09	1.44E-10	2.12E-09	3.17E-10	1.17E-09	1.03E-10	1.59E-09	3.59E-11	2.06E-10	2.45E-11	2.66E-10	3.26E-11	1.08E-10	7.42E-12	1.48E-10
899	470762.61	3818999.04	3.92E-10	1.65E-09	1.48E-10	2.19E-09	3.27E-10	1.21E-09	1.07E-10	1.64E-09	3.71E-11	2.12E-10	2.53E-11	2.75E-10	3.37E-11	1.11E-10	7.66E-12	1.52E-10
900	470766.13	3819007.77	4.05E-10	1.70E-09	1.53E-10	2.26E-09	3.38E-10	1.25E-09	1.10E-10	1.70E-09	3.83E-11	2.19E-10	2.61E-11	2.84E-10	3.48E-11	1.15E-10	7.91E-12	1.57E-10
901	470769.64	3819016.5	4.19E-10	1.76E-09	1.58E-10	2.33E-09	3.49E-10	1.29E-09	1.14E-10	1.75E-09	3.95E-11	2.26E-10	2.70E-11	2.93E-10	3.59E-11	1.18E-10	8.17E-12	1.63E-10
902	470773.16	3819025.24	4.32E-10	1.82E-09	1.63E-10	2.41E-09	3.60E-10	1.33E-09	1.17E-10	1.81E-09	4.08E-11	2.34E-10	2.79E-11	3.02E-10	3.71E-11	1.22E-10	8.43E-12	1.68E-10
903	470776.68	3819033.97	4.46E-10	1.87E-09	1.69E-10	2.49E-09	3.72E-10	1.38E-09	1.21E-10	1.87E-09	4.22E-11	2.41E-10	2.88E-11	3.12E-10	3.83E-11	1.26E-10	8.71E-12	1.73E-10
904	470780.19	3819042.7	4.61E-10	1.94E-09	1.74E-10	2.57E-09	3.84E-10	1.42E-09	1.25E-10	1.93E-09	4.35E-11	2.49E-10	2.97E-11	3.22E-10	3.96E-11	1.30E-10	8.99E-12	1.79E-10
905	470783.71	3819051.43	4.76E-10	2.00E-09	1.80E-10	2.65E-09	3.96E-10	1.47E-09	1.29E-10	1.99E-09	4.49E-11	2.57E-10	3.07E-11	3.33E-10	4.09E-11	1.35E-10	9.29E-12	1.85E-10
906	470787.22	3819060.17	4.91E-10	2.06E-09	1.86E-10	2.74E-09	4.09E-10	1.52E-09	1.33E-10	2.06E-09	4.64E-11	2.66E-10	3.17E-11	3.44E-10	4.22E-11	1.39E-10	9.59E-12	1.91E-10
907	470790.74	3819068.9	5.07E-10	2.13E-09	1.92E-10	2.83E-09	4.23E-10	1.57E-09	1.38E-10	2.13E-09	4.79E-11	2.74E-10	3.27E-11	3.55E-10	4.36E-11	1.44E-10	9.90E-12	1.97E-10
908	470794.25	3819077.63	5.24E-10	2.20E-09	1.98E-10	2.92E-09	4.36E-10	1.62E-09	1.42E-10	2.19E-09	4.94E-11	2.83E-10	3.38E-11	3.66E-10	4.49E-11	1.48E-10	1.02E-11	2.03E-10
909	470797.77	3819086.36	5.40E-10	2.27E-09	2.04E-10	3.01E-09	4.50E-10	1.67E-09	1.47E-10	2.26E-09	5.10E-11	2.92E-10	3.48E-11	3.78E-10	4.63E-11	1.53E-10	1.05E-11	2.10E-10
910	470801.28	3819095.09	5.56E-10	2.34E-09	2.10E-10	3.10E-09	4.64E-10	1.72E-09	1.51E-10	2.33E-09	5.25E-11	3.01E-10	3.59E-11	3.89E-10	4.78E-11	1.58E-10	1.09E-11	2.16E-10
911	470804.8	3819103.83	5.73E-10	2.41E-09	2.17E-10	3.20E-09	4.78E-10	1.77E-09	1.56E-10	2.40E-09	5.41E-11	3.10E-10	3.70E-11	4.01E-10	4.92E-11	1.62E-10	1.12E-11	2.23E-10
912	470808.32	3819112.56	5.90E-10	2.48E-09	2.23E-10	3.29E-09	4.92E-10	1.82E-09	1.60E-10	2.47E-09	5.57E-11	3.19E-10	3.81E-11	4.13E-10	5.07E-11	1.67E-10	1.15E-11	2.29E-10
913	470811.83	3819121.29	6.07E-10	2.55E-09	2.30E-10	3.39E-09	5.06E-10	1.87E-09	1.65E-10	2.54E-09	5.73E-11	3.28E-10	3.92E-11	4.25E-10	5.21E-11	1.72E-10	1.18E-11	2.36E-10
914	470815.35	3819130.02	6.24E-10	2.62E-09	2.36E-10	3.48E-09	5.20E-10	1.93E-09	1.69E-10	2.62E-09	5.90E-11	3.38E-10	4.03E-11	4.37E-10	5.36E-11	1.77E-10	1.22E-11	2.42E-10
915	470818.86	3819138.76	6.41E-10	2.69E-09	2.43E-10	3.58E-09	5.34E-10	1.98E-09	1.74E-10	2.69E-09	6.06E-11	3.47E-10	4.14E-11	4.49E-10	5.51E-11	1.82E-10	1.25E-11	2.49E-10
916	470822.38	3819147.49	6.58E-10	2.76E-09	2.49E-10	3.67E-09	5.48E-10	2.03E-09	1.79E-10	2.76E-09	6.22E-11	3.56E-10	4.25E-11	4.60E-10	5.65E-11	1.86E-10	1.28E-11	2.56E-10
917	470825.89	3819156.22	6.75E-10	2.84E-09	2.55E-10	3.77E-09	5.62E-10	2.08E-09	1.83E-10	2.83E-09	6.37E-11	3.65E-10	4.35E-11	4.72E-10	5.80E-11	1.91E-10	1.32E-11	2.62E-10
918	470829.41	3819164.95	6.92E-10	2.90E-09	2.62E-10	3.86E-09	5.76E-10	2.13E-09	1.88E-10	2.90E-09	6.53E-11	3.74E-10	4.46E-11	4.84E-10	5.94E-11	1.96E-10	1.35E-11	2.69E-10
919	470832.92	3819173.69	7.07E-10	2.97E-09	2.68E-10	3.95E-09	5.89E-10	2.18E-09	1.92E-10	2.96E-09	6.68E-11	3.82E-10	4.56E-11	4.95E-10	6.07E-11	2.00E-10	1.38E-11	2.75E-10
920	470836.44	3819182.42	7.23E-10	3.04E-09	2.73E-10	4.03E-09	6.02E-10	2.23E-09	1.96E-10	3.03E-09	6.83E-11	3.91E-10	4.66E-11	5.06E-10	6.21E-11	2.05E-10	1.41E-11	2.81E-10
921	470839.96	3819191.15	7.38E-10	3.10E-09	2.79E-10	4.12E-09	6.15E-10	2.28E-09	2.00E-10	3.09E-09	6.97E-11	3.99E-10	4.76E-11	5.16E-10	6.33E-11	2.09E-10	1.44E-11	2.87E-10
922	470843.47	3819199.88	7.52E-10	3.16E-09	2.84E-10	4.20E-09	6.27E-10	2.32E-09	2.04E-10	3.15E-09	7.10E-11	4.07E-10	4.85E-11	5.26E-10	6.46E-11	2.13E-10	1.47E-11	2.92E-10
923	470846.99	3819208.61	7.66E-10	3.22E-09	2.90E-10	4.27E-09	6.38E-10	2.36E-09	2.08E-10	3.21E-09	7.23E-11	4.14E-10	4.94E-11	5.36E-10	6.58E-11	2.17E-10	1.49E-11	2.98E-10
924	470850.5	3819217.35	7.79E-10	3.27E-09	2.95E-10	4.35E-09	6.49E-10	2.40E-09	2.12E-10	3.27E-09	7.36E-11	4.21E-10	5.03E-11	5.45E-10	6.69E-11	2.21E-10	1.52E-11	3.03E-10
925	470260.57	3818658.22	5.08E-10	2.13E-09	1.92E-10	2.83E-09	4.23E-10	1.57E-09	1.38E-10	2.13E-09	4.79E-11	2.74E-10	3.27E-11	3.55E-10	4.36E-11	1.44E-10	9.90E-12	1.97E-10
926	470251.01	3818658.09	5.15E-10	2.16E-09	1.95E-10	2.87E-09	4.29E-10	1.59E-09	1.40E-10	2.16E-09	4.87E-11	2.79E-10	3.32E-11	3.60E-10	4.42E-11	1.46E-10	1.01E-11	2.00E-10
927	470241.45	3818657.95	5.22E-10	2.19E-09	1.98E-10	2.91E-09	4.35E-10	1.61E-09	1.42E-10	2.19E-09	4.93E-11	2.82E-10	3.37E-11	3.65E-10	4.48E-11	1.48E-10	1.02E-11	2.03E-10
928	470231.88	3818657.82	5.29E-10	2.22E-09	2.00E-10	2.95E-09	4.41E-10	1.63E-09	1.44E-10	2.22E-09	4.99E-11	2.86E-10	3.41E-11	3.70E-10	4.54E-11	1.50E-10	1.03E-11	2.05E-10
929	470222.32	3818657.68	5.35E-10	2.25E-09	2.02E-10	2.99E-09	4.46E-10	1.65E-09	1.45E-10	2.24E-09	5.06E-11	2.89E-10	3.45E-11	3.75E-10	4.60E-11	1.52E-10	1.04E-11	2.08E-10
930	470212.76	3818657.55	5.41E-10	2.27E-09	2.05E-10	3.02E-09	4.51E-10	1.67E-09	1.47E-10	2.27E-09	5.11E-11	2.93E-10	3.49E-11	3.79E-10	4.65E-11	1.53E-10	1.06E-11	2.10E-10
931	470203.2	3818657.41	5.46E-10	2.29E-09	2.07E-10	3.05E-09	4.55E-10	1.69E-09	1.48E-10	2.29E-09	5.16E-11	2.95E-10	3.52E-11	3.82E-10	4.69E-11	1.55E-10	1.07E-11	2.12E-10
932	470193.64	3818657.28	5.50E-10	2.31E-09	2.08E-10	3.07E-09	4.58E-10	1.70E-09	1.49E-10	2.31E-09	5.20E-11	2.97E-10	3.55E-11	3.85E-10	4.72E-11	1.56E-10	1.07E-11	2.14E-10
933	470184.07	3818657.14	5.53E-10	2.32E-09	2.09E-10	3.08E-09	4.61E-10	1.71E-09	1.50E-10	2.32E-09	5.22E-11	2.99E-10	3.57E-11	3.87E-10	4.75E-11	1.57E-10	1.08E-11	2.15E-10
934	470174.51	3818657.01	5.55E-10	2.33E-09	2.10E-10	3.10E-09	4.62E-10	1.71E-09	1.51E-10	2.33E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.16E-10
935	470164.95	3818656.87	5.56E-10	2.34E-09	2.10E-10	3.10E-09	4.63E-10	1.72E-09	1.51E-10	2.33E-09	5.25E-11	3.01E-10	3.59E-11	3.89E-10	4.78E-11	1.57E-10	1.09E-11	2.16E-10
936	470155.39	3818656.74	5.57E-10	2.34E-09	2.11E-10	3.11E-09	4.64E-10	1.72E-09	1.51E-10	2.33E-09	5.26E-11	3.01E-10	3.59E-11	3.90E-10	4.78E-11	1.58E-10	1.09E-11	2.16E-10
937	470145.82	3818656.6	5.57E-10	2.34E-09	2.11E-10	3.11E-09	4.64E-10	1.72E-09	1.51E-10	2.33E-09	5.26E-11	3.01E-10	3.59E-11	3.90E-10	4.78E-11	1.58E-10	1.09E-11	2.16E-10
938	470136.26	3818656.47	5.56E-10	2.34E-09	2.10E-10	3.10E-09	4.63E-10	1.72E-09	1.51E-10	2.33E-09	5.25E-11	3.01E-10	3.59E-11	3.89E-10	4.77E-11	1.57E-10	1.08E-11	2.16E-10
939	470126.7	3818656.33	5.54E-10	2.33E-09	2.10E-10	3.09E-09	4.62E-10	1.71E-09	1.50E-10	2.32E-09	5.23E-11	3.00E-10	3.57E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.15E-10
940	470117.14	3818656.2	5.52E-10	2.32E-09	2.09E-10	3.08E-09	4.59E-10	1.70E-09	1.50E-10	2.31E-09	5.21E-11	2.98E-10	3.56E-11	3.86E-10	4.74E-11	1.56E-10	1.08E-11	2.14E-10
941	470489.74	3818704.44	3.17E-10	1.33E-09	1.20E-10	1.77E-09	2.64E-10	9.80E-10	8.62E-11	1.33E-09	3.00E-11	1.72E-10	2.05E-11	2.22E-10	2.73E-11	8.99E-11	6.19E-12	1.23E-10
942	470498.43	3818708.17	3.12E-10	1.31E-09	1.18E-10	1.74E-09	2.60E-10	9.63E-10	8.47E-11	1.31E-09	2.95E-11	1.69E-10	2.01E-11	2.18E-10	2.68E-11	8.83E-11	6.09E-12	1.21E-10
943	470507.12	3818711.9	3.07E-10	1.29E-09	1.16E-10	1.71E-09	2.56E-10	9.48E-10	8.34E-11	1.29E-09	2.90E-11	1.66E-10	1.98E-11	2.15E-10	2.64E-11	8.70E-11	5.99E-12	1.19E-10
944	470515.81	3818715.63	3.03E-10	1.27E-09	1.14E-10	1.69E-09	2.52E-10	9.34E-10	8.21E-11	1.27E-09	2.86E-11	1.64E-10	1.95E-11	2.12E-10	2.60E-11	8.56E-11	5.90E-12	1.18E-10
945	470524.51	3818719.36	2.97E-10	1.25E-09	1.12E-10	1.66E-09	2.48E-10	9.17E-10	8.07E-11	1.25E-09	2.81E-11	1.61E-10	1.92E-11	2.08E-10	2.55E-11	8.41E-11	5.80E-12	1.15E-10
946	470533.2	3818723.09	2.92E-10	1.23E-09	1.10E-10	1.63E-09	2.43E-10	9.01E-10	7.92E-11	1.22E-09	2.76E-11	1.58E-10	1.88E-11	2.04E-10	2.51E-11	8.26E-11	5.70E-12	1.13E-10

947	470541.89	3818726.82	2.87E-10	1.20E-09	1.08E-10	1.60E-09	2.39E-10	8.85E-10	7.78E-11	1.20E-09	2.71E-11	1.55E-10	1.85E-11	2.01E-10	2.46E-11	8.12E-11	5.59E-12	1.11E-10
948	470550.58	3818730.55	2.82E-10	1.18E-09	1.06E-10	1.57E-09	2.35E-10	8.69E-10	7.64E-11	1.18E-09	2.66E-11	1.52E-10	1.82E-11	1.97E-10	2.42E-11	7.97E-11	5.49E-12	1.09E-10
949	470567.97	3818738.01	2.72E-10	1.14E-09	1.03E-10	1.52E-09	2.26E-10	8.38E-10	7.37E-11	1.14E-09	2.57E-11	1.47E-10	1.75E-11	1.90E-10	2.33E-11	7.69E-11	5.30E-12	1.06E-10
950	470576.66	3818741.74	2.67E-10	1.12E-09	1.01E-10	1.49E-09	2.22E-10	8.23E-10	7.24E-11	1.12E-09	2.52E-11	1.44E-10	1.72E-11	1.87E-10	2.29E-11	7.55E-11	5.21E-12	1.04E-10
951	470585.35	3818745.47	2.62E-10	1.10E-09	9.92E-11	1.46E-09	2.18E-10	8.09E-10	7.12E-11	1.10E-09	2.48E-11	1.42E-10	1.69E-11	1.83E-10	2.25E-11	7.42E-11	5.12E-12	1.02E-10
952	470594.04	3818749.21	2.58E-10	1.08E-09	9.74E-11	1.44E-09	2.15E-10	7.95E-10	6.99E-11	1.08E-09	2.43E-11	1.39E-10	1.66E-11	1.80E-10	2.21E-11	7.29E-11	5.03E-12	1.00E-10
953	470602.73	3818752.94	2.53E-10	1.06E-09	9.58E-11	1.41E-09	2.11E-10	7.82E-10	6.88E-11	1.06E-09	2.39E-11	1.37E-10	1.63E-11	1.77E-10	2.18E-11	7.17E-11	4.94E-12	9.84E-11
954	470611.43	3818756.67	2.49E-10	1.05E-09	9.43E-11	1.39E-09	2.08E-10	7.69E-10	6.77E-11	1.04E-09	2.35E-11	1.35E-10	1.61E-11	1.74E-10	2.14E-11	7.06E-11	4.86E-12	9.68E-11
955	470620.12	3818760.4	2.45E-10	1.03E-09	9.27E-11	1.37E-09	2.04E-10	7.57E-10	6.66E-11	1.03E-09	2.32E-11	1.33E-10	1.58E-11	1.72E-10	2.11E-11	6.94E-11	4.79E-12	9.53E-11
956	470628.81	3818764.13	2.41E-10	1.01E-09	9.13E-11	1.35E-09	2.01E-10	7.45E-10	6.55E-11	1.01E-09	2.28E-11	1.30E-10	1.56E-11	1.69E-10	2.07E-11	6.83E-11	4.71E-12	9.38E-11
957	470637.5	3818767.86	2.38E-10	9.98E-10	8.99E-11	1.33E-09	1.98E-10	7.33E-10	6.45E-11	9.96E-10	2.24E-11	1.28E-10	1.53E-11	1.66E-10	2.04E-11	6.73E-11	4.64E-12	9.23E-11
958	470646.19	3818771.59	2.34E-10	9.83E-10	8.86E-11	1.31E-09	1.95E-10	7.23E-10	6.36E-11	9.81E-10	2.21E-11	1.27E-10	1.51E-11	1.64E-10	2.01E-11	6.63E-11	4.57E-12	9.10E-11
959	470654.89	3818775.32	2.31E-10	9.70E-10	8.73E-11	1.29E-09	1.92E-10	7.13E-10	6.27E-11	9.68E-10	2.18E-11	1.25E-10	1.49E-11	1.62E-10	1.98E-11	6.54E-11	4.51E-12	8.97E-11
960	470795.07	3818980.65	3.45E-10	1.45E-09	1.31E-10	1.93E-09	2.88E-10	1.07E-09	9.37E-11	1.45E-09	3.26E-11	1.87E-10	2.23E-11	2.42E-10	2.96E-11	9.77E-11	6.74E-12	1.34E-10
961	470798.6	3818989.43	3.56E-10	1.50E-09	1.35E-10	1.99E-09	2.97E-10	1.10E-09	9.67E-11	1.49E-09	3.36E-11	1.93E-10	2.30E-11	2.49E-10	3.06E-11	1.01E-10	6.95E-12	1.38E-10
962	470802.14	3818998.2	3.67E-10	1.54E-09	1.39E-10	2.05E-09	3.06E-10	1.13E-09	9.97E-11	1.54E-09	3.47E-11	1.99E-10	2.37E-11	2.57E-10	3.15E-11	1.04E-10	7.17E-12	1.43E-10
963	470805.67	3819006.98	3.79E-10	1.59E-09	1.43E-10	2.11E-09	3.16E-10	1.17E-09	1.03E-10	1.59E-09	3.58E-11	2.05E-10	2.44E-11	2.65E-10	3.25E-11	1.07E-10	7.39E-12	1.47E-10
964	470809.2	3819015.75	3.91E-10	1.64E-09	1.48E-10	2.18E-09	3.26E-10	1.21E-09	1.06E-10	1.64E-09	3.69E-11	2.11E-10	2.52E-11	2.73E-10	3.35E-11	1.11E-10	7.63E-12	1.52E-10
965	470812.73	3819024.53	4.03E-10	1.69E-09	1.52E-10	2.25E-09	3.36E-10	1.24E-09	1.09E-10	1.69E-09	3.81E-11	2.18E-10	2.60E-11	2.82E-10	3.46E-11	1.14E-10	7.87E-12	1.57E-10
966	470816.27	3819033.3	4.16E-10	1.75E-09	1.57E-10	2.32E-09	3.46E-10	1.28E-09	1.13E-10	1.74E-09	3.93E-11	2.25E-10	2.68E-11	2.91E-10	3.57E-11	1.18E-10	8.11E-12	1.61E-10
967	470819.8	3819042.07	4.29E-10	1.80E-09	1.62E-10	2.39E-09	3.57E-10	1.32E-09	1.16E-10	1.80E-09	4.05E-11	2.32E-10	2.77E-11	3.00E-10	3.68E-11	1.21E-10	8.37E-12	1.67E-10
968	470823.33	3819050.85	4.42E-10	1.86E-09	1.67E-10	2.47E-09	3.68E-10	1.36E-09	1.20E-10	1.85E-09	4.17E-11	2.39E-10	2.85E-11	3.09E-10	3.80E-11	1.25E-10	8.63E-12	1.72E-10
969	470826.86	3819059.62	4.56E-10	1.91E-09	1.72E-10	2.54E-09	3.80E-10	1.41E-09	1.24E-10	1.91E-09	4.30E-11	2.46E-10	2.94E-11	3.19E-10	3.91E-11	1.29E-10	8.89E-12	1.77E-10
970	470830.4	3819068.4	4.70E-10	1.97E-09	1.78E-10	2.62E-09	3.91E-10	1.45E-09	1.28E-10	1.97E-09	4.44E-11	2.54E-10	3.03E-11	3.29E-10	4.03E-11	1.33E-10	9.17E-12	1.82E-10
971	470833.93	3819077.17	4.84E-10	2.03E-09	1.83E-10	2.70E-09	4.03E-10	1.49E-09	1.31E-10	2.03E-09	4.57E-11	2.62E-10	3.12E-11	3.38E-10	4.15E-11	1.37E-10	9.44E-12	1.88E-10
972	470837.46	3819085.95	4.98E-10	2.09E-09	1.88E-10	2.78E-09	4.15E-10	1.54E-09	1.35E-10	2.09E-09	4.70E-11	2.69E-10	3.21E-11	3.49E-10	4.28E-11	1.41E-10	9.72E-12	1.94E-10
973	470840.99	3819094.72	5.13E-10	2.15E-09	1.94E-10	2.86E-09	4.27E-10	1.58E-09	1.39E-10	2.15E-09	4.84E-11	2.77E-10	3.31E-11	3.59E-10	4.40E-11	1.45E-10	1.00E-11	1.99E-10
974	470844.53	3819103.5	5.27E-10	2.21E-09	1.99E-10	2.94E-09	4.39E-10	1.63E-09	1.43E-10	2.21E-09	4.98E-11	2.85E-10	3.40E-11	3.69E-10	4.53E-11	1.49E-10	1.03E-11	2.05E-10
975	470848.06	3819112.27	5.42E-10	2.28E-09	2.05E-10	3.02E-09	4.51E-10	1.67E-09	1.47E-10	2.27E-09	5.12E-11	2.93E-10	3.49E-11	3.79E-10	4.65E-11	1.53E-10	1.06E-11	2.10E-10
976	470851.59	3819121.04	5.56E-10	2.34E-09	2.10E-10	3.10E-09	4.64E-10	1.72E-09	1.51E-10	2.33E-09	5.25E-11	3.01E-10	3.59E-11	3.89E-10	4.78E-11	1.58E-10	1.09E-11	2.16E-10
977	470855.12	3819129.82	5.71E-10	2.40E-09	2.16E-10	3.19E-09	4.76E-10	1.76E-09	1.55E-10	2.39E-09	5.39E-11	3.09E-10	3.68E-11	4.00E-10	4.90E-11	1.62E-10	1.11E-11	2.22E-10
978	470858.66	3819138.59	5.86E-10	2.46E-09	2.22E-10	3.27E-09	4.88E-10	1.81E-09	1.59E-10	2.45E-09	5.53E-11	3.17E-10	3.78E-11	4.10E-10	5.03E-11	1.66E-10	1.14E-11	2.28E-10
979	470862.19	3819147.37	6.00E-10	2.52E-09	2.27E-10	3.35E-09	5.00E-10	1.85E-09	1.63E-10	2.51E-09	5.67E-11	3.24E-10	3.87E-11	4.20E-10	5.15E-11	1.70E-10	1.17E-11	2.33E-10
980	470865.72	3819156.14	6.14E-10	2.58E-09	2.32E-10	3.43E-09	5.12E-10	1.90E-09	1.67E-10	2.57E-09	5.80E-11	3.32E-10	3.96E-11	4.30E-10	5.27E-11	1.74E-10	1.20E-11	2.39E-10
981	470869.25	3819164.92	6.28E-10	2.64E-09	2.37E-10	3.50E-09	5.23E-10	1.94E-09	1.70E-10	2.63E-09	5.93E-11	3.39E-10	4.05E-11	4.39E-10	5.39E-11	1.78E-10	1.23E-11	2.44E-10
982	470872.79	3819173.69	6.41E-10	2.69E-09	2.43E-10	3.58E-09	5.34E-10	1.98E-09	1.74E-10	2.69E-09	6.06E-11	3.47E-10	4.14E-11	4.49E-10	5.51E-11	1.82E-10	1.25E-11	2.49E-10
983	470876.32	3819182.47	6.54E-10	2.75E-09	2.47E-10	3.65E-09	5.45E-10	2.02E-09	1.78E-10	2.74E-09	6.18E-11	3.54E-10	4.22E-11	4.58E-10	5.62E-11	1.85E-10	1.28E-11	2.54E-10
984	470879.85	3819191.24	6.67E-10	2.80E-09	2.52E-10	3.72E-09	5.55E-10	2.06E-09	1.81E-10	2.79E-09	6.30E-11	3.60E-10	4.30E-11	4.66E-10	5.72E-11	1.89E-10	1.30E-11	2.59E-10
985	470883.38	3819200.01	6.79E-10	2.85E-09	2.57E-10	3.79E-09	5.66E-10	2.10E-09	1.84E-10	2.84E-09	6.41E-11	3.67E-10	4.38E-11	4.75E-10	5.83E-11	1.92E-10	1.32E-11	2.64E-10
986	470886.92	3819208.79	6.91E-10	2.90E-09	2.61E-10	3.85E-09	5.75E-10	2.13E-09	1.87E-10	2.89E-09	6.52E-11	3.73E-10	4.45E-11	4.83E-10	5.93E-11	1.95E-10	1.35E-11	2.68E-10
987	470890.45	3819217.56	7.02E-10	2.95E-09	2.65E-10	3.91E-09	5.84E-10	2.16E-09	1.90E-10	2.94E-09	6.62E-11	3.79E-10	4.52E-11	4.91E-10	6.02E-11	1.99E-10	1.37E-11	2.72E-10
988	470213.32	3818617.55	4.80E-10	2.02E-09	1.82E-10	2.68E-09	4.00E-10	1.48E-09	1.30E-10	2.01E-09	4.53E-11	2.59E-10	3.10E-11	3.36E-10	4.12E-11	1.36E-10	9.37E-12	1.86E-10
989	470203.76	3818617.42	4.84E-10	2.03E-09	1.83E-10	2.70E-09	4.04E-10	1.49E-09	1.32E-10	2.03E-09	4.57E-11	2.62E-10	3.12E-11	3.39E-10	4.16E-11	1.37E-10	9.45E-12	1.88E-10
990	470194.2	3818617.28	4.88E-10	2.05E-09	1.85E-10	2.72E-09	4.06E-10	1.51E-09	1.32E-10	2.04E-09	4.61E-11	2.64E-10	3.15E-11	3.41E-10	4.19E-11	1.38E-10	9.52E-12	1.89E-10
991	470184.64	3818617.15	4.90E-10	2.06E-09	1.85E-10	2.74E-09	4.08E-10	1.51E-09	1.33E-10	2.05E-09	4.63E-11	2.65E-10	3.16E-11	3.43E-10	4.21E-11	1.39E-10	9.57E-12	1.90E-10
992	470175.08	3818617.01	4.92E-10	2.07E-09	1.86E-10	2.74E-09	4.10E-10	1.52E-09	1.34E-10	2.06E-09	4.65E-11	2.66E-10	3.17E-11	3.44E-10	4.22E-11	1.39E-10	9.60E-12	1.91E-10
993	470165.51	3818616.88	4.93E-10	2.07E-09	1.87E-10	2.75E-09	4.11E-10	1.52E-09	1.34E-10	2.07E-09	4.66E-11	2.67E-10	3.18E-11	3.45E-10	4.24E-11	1.40E-10	9.63E-12	1.92E-10
994	470155.95	3818616.74	4.94E-10	2.08E-09	1.87E-10	2.76E-09	4.12E-10	1.53E-09	1.34E-10	2.07E-09	4.67E-11	2.67E-10	3.19E-11	3.46E-10	4.24E-11	1.40E-10	9.64E-12	1.92E-10
995	470146.39	3818616.61	4.94E-10	2.08E-09	1.87E-10	2.76E-09	4.12E-10	1.53E-09	1.34E-10	2.07E-09	4.67E-11	2.67E-10	3.19E-11	3.46E-10	4.24E-11	1.40E-10	9.65E-12	1.92E-10
996	470136.83	3818616.47	4.94E-10	2.07E-09	1.87E-10	2.75E-09	4.11E-10	1.52E-09	1.34E-10	2.07E-09	4.66E-11	2.67E-10	3.19E-11	3.45E-10	4.24E-11	1.40E-10	9.64E-12	1.92E-10

997	470127.26	3818616.34	4.93E-10	2.07E-09	1.86E-10	2.75E-09	4.10E-10	1.52E-09	1.34E-10	2.06E-09	4.65E-11	2.66E-10	3.18E-11	3.45E-10	4.23E-11	1.39E-10	9.61E-12	1.91E-10
998	470117.7	3818616.2	4.91E-10	2.06E-09	1.86E-10	2.74E-09	4.09E-10	1.51E-09	1.33E-10	2.06E-09	4.63E-11	2.65E-10	3.16E-11	3.43E-10	4.21E-11	1.39E-10	9.57E-12	1.91E-10
999	470491.15	3818664.81	2.89E-10	1.22E-09	1.09E-10	1.61E-09	2.41E-10	8.93E-10	7.85E-11	1.21E-09	2.73E-11	1.56E-10	1.87E-11	2.02E-10	2.48E-11	8.19E-11	5.65E-12	1.12E-10
1000	470499.88	3818668.55	2.85E-10	1.20E-09	1.08E-10	1.59E-09	2.37E-10	8.79E-10	7.73E-11	1.19E-09	2.69E-11	1.54E-10	1.84E-11	1.99E-10	2.44E-11	8.06E-11	5.56E-12	1.11E-10
1001	470508.61	3818672.3	2.80E-10	1.18E-09	1.06E-10	1.56E-09	2.34E-10	8.65E-10	7.61E-11	1.17E-09	2.65E-11	1.52E-10	1.81E-11	1.96E-10	2.41E-11	7.94E-11	5.47E-12	1.09E-10
1002	470517.34	3818676.05	2.76E-10	1.16E-09	1.05E-10	1.54E-09	2.30E-10	8.53E-10	7.50E-11	1.16E-09	2.61E-11	1.49E-10	1.78E-11	1.93E-10	2.37E-11	7.82E-11	5.39E-12	1.07E-10
1003	470526.07	3818679.79	2.72E-10	1.14E-09	1.03E-10	1.52E-09	2.27E-10	8.39E-10	7.38E-11	1.14E-09	2.57E-11	1.47E-10	1.75E-11	1.90E-10	2.33E-11	7.70E-11	5.31E-12	1.06E-10
1004	470534.8	3818683.54	2.67E-10	1.12E-09	1.01E-10	1.49E-09	2.23E-10	8.25E-10	7.26E-11	1.12E-09	2.52E-11	1.45E-10	1.72E-11	1.87E-10	2.30E-11	7.57E-11	5.22E-12	1.04E-10
1005	470543.53	3818687.29	2.63E-10	1.10E-09	9.94E-11	1.47E-09	2.19E-10	8.11E-10	7.14E-11	1.10E-09	2.48E-11	1.42E-10	1.70E-11	1.84E-10	2.26E-11	7.44E-11	5.13E-12	1.02E-10
1006	470552.26	3818691.03	2.58E-10	1.08E-09	9.77E-11	1.44E-09	2.15E-10	7.97E-10	7.01E-11	1.08E-09	2.44E-11	1.40E-10	1.67E-11	1.81E-10	2.22E-11	7.31E-11	5.04E-12	1.00E-10
1007	470560.99	3818694.78	2.54E-10	1.07E-09	9.60E-11	1.42E-09	2.12E-10	7.84E-10	6.89E-11	1.06E-09	2.40E-11	1.37E-10	1.64E-11	1.78E-10	2.18E-11	7.19E-11	4.95E-12	9.86E-11
1008	470595.9	3818709.77	2.37E-10	9.95E-10	8.96E-11	1.32E-09	1.97E-10	7.31E-10	6.43E-11	9.93E-10	2.24E-11	1.28E-10	1.53E-11	1.66E-10	2.03E-11	6.71E-11	4.63E-12	9.21E-11
1009	470604.63	3818713.51	2.33E-10	9.79E-10	8.81E-11	1.30E-09	1.94E-10	7.19E-10	6.33E-11	9.77E-10	2.20E-11	1.26E-10	1.50E-11	1.63E-10	2.00E-11	6.60E-11	4.55E-12	9.05E-11
1010	470700.65	3818754.72	1.98E-10	8.32E-10	7.49E-11	1.10E-09	1.65E-10	6.11E-10	5.38E-11	8.30E-10	1.87E-11	1.07E-10	1.28E-11	1.39E-10	1.70E-11	5.61E-11	3.87E-12	7.69E-11
1011	470709.38	3818758.47	1.96E-10	8.22E-10	7.41E-11	1.09E-09	1.63E-10	6.04E-10	5.32E-11	8.21E-10	1.85E-11	1.06E-10	1.26E-11	1.37E-10	1.68E-11	5.54E-11	3.82E-12	7.61E-11
1012	470718.11	3818762.22	1.94E-10	8.14E-10	7.33E-11	1.08E-09	1.61E-10	5.98E-10	5.26E-11	8.12E-10	1.83E-11	1.05E-10	1.25E-11	1.36E-10	1.66E-11	5.49E-11	3.78E-12	7.53E-11
1013	470726.84	3818765.96	1.92E-10	8.06E-10	7.26E-11	1.07E-09	1.60E-10	5.92E-10	5.21E-11	8.04E-10	1.81E-11	1.04E-10	1.24E-11	1.34E-10	1.65E-11	5.43E-11	3.74E-12	7.45E-11
1014	470735.57	3818769.71	1.90E-10	7.98E-10	7.19E-11	1.06E-09	1.58E-10	5.87E-10	5.16E-11	7.97E-10	1.80E-11	1.03E-10	1.23E-11	1.33E-10	1.63E-11	5.38E-11	3.71E-12	7.38E-11
1015	470744.3	3818773.46	1.89E-10	7.92E-10	7.13E-11	1.05E-09	1.57E-10	5.82E-10	5.12E-11	7.90E-10	1.78E-11	1.02E-10	1.22E-11	1.32E-10	1.62E-11	5.34E-11	3.68E-12	7.32E-11
1016	470756.57	3818786.02	1.90E-10	7.98E-10	7.19E-11	1.06E-09	1.58E-10	5.87E-10	5.16E-11	7.97E-10	1.80E-11	1.03E-10	1.23E-11	1.33E-10	1.63E-11	5.38E-11	3.71E-12	7.38E-11
1017	470760.12	3818794.83	1.93E-10	8.11E-10	7.31E-11	1.08E-09	1.61E-10	5.96E-10	5.25E-11	8.10E-10	1.82E-11	1.04E-10	1.25E-11	1.35E-10	1.66E-11	5.47E-11	3.77E-12	7.51E-11
1018	470763.67	3818803.64	1.97E-10	8.26E-10	7.43E-11	1.10E-09	1.64E-10	6.07E-10	5.34E-11	8.24E-10	1.86E-11	1.06E-10	1.27E-11	1.38E-10	1.69E-11	5.56E-11	3.84E-12	7.64E-11
1019	470767.22	3818812.45	2.00E-10	8.40E-10	7.57E-11	1.12E-09	1.67E-10	6.18E-10	5.43E-11	8.39E-10	1.89E-11	1.08E-10	1.29E-11	1.40E-10	1.72E-11	5.66E-11	3.91E-12	7.77E-11
1020	470770.76	3818821.26	2.04E-10	8.57E-10	7.71E-11	1.14E-09	1.70E-10	6.29E-10	5.54E-11	8.55E-10	1.93E-11	1.10E-10	1.32E-11	1.43E-10	1.75E-11	5.77E-11	3.98E-12	7.92E-11
1021	470774.31	3818830.08	2.08E-10	8.74E-10	7.87E-11	1.16E-09	1.73E-10	6.42E-10	5.65E-11	8.72E-10	1.96E-11	1.12E-10	1.34E-11	1.46E-10	1.79E-11	5.89E-11	4.06E-12	8.08E-11
1022	470777.86	3818838.89	2.12E-10	8.92E-10	8.03E-11	1.18E-09	1.77E-10	6.56E-10	5.77E-11	8.90E-10	2.01E-11	1.15E-10	1.37E-11	1.49E-10	1.82E-11	6.01E-11	4.15E-12	8.25E-11
1023	470781.41	3818847.7	2.17E-10	9.12E-10	8.21E-11	1.21E-09	1.81E-10	6.70E-10	5.89E-11	9.10E-10	2.05E-11	1.17E-10	1.40E-11	1.52E-10	1.86E-11	6.15E-11	4.24E-12	8.43E-11
1024	470784.95	3818856.51	2.22E-10	9.33E-10	8.40E-11	1.24E-09	1.85E-10	6.85E-10	6.03E-11	9.30E-10	2.10E-11	1.20E-10	1.43E-11	1.55E-10	1.91E-11	6.29E-11	4.33E-12	8.63E-11
1025	470788.5	3818865.32	2.27E-10	9.55E-10	8.60E-11	1.27E-09	1.89E-10	7.02E-10	6.17E-11	9.53E-10	2.15E-11	1.23E-10	1.47E-11	1.59E-10	1.95E-11	6.44E-11	4.44E-12	8.83E-11
1026	470792.05	3818874.13	2.33E-10	9.78E-10	8.81E-11	1.30E-09	1.94E-10	7.19E-10	6.32E-11	9.76E-10	2.20E-11	1.26E-10	1.50E-11	1.63E-10	2.00E-11	6.59E-11	4.54E-12	9.05E-11
1027	470795.6	3818882.95	2.39E-10	1.00E-09	9.03E-11	1.33E-09	1.99E-10	7.36E-10	6.48E-11	1.00E-09	2.25E-11	1.29E-10	1.54E-11	1.67E-10	2.05E-11	6.76E-11	4.66E-12	9.27E-11
1028	470799.14	3818891.76	2.45E-10	1.03E-09	9.26E-11	1.37E-09	2.04E-10	7.55E-10	6.65E-11	1.03E-09	2.31E-11	1.32E-10	1.58E-11	1.71E-10	2.10E-11	6.93E-11	4.78E-12	9.51E-11
1029	470866.55	3819059.18	4.24E-10	1.78E-09	1.60E-10	2.36E-09	3.53E-10	1.31E-09	1.15E-10	1.78E-09	4.00E-11	2.29E-10	2.73E-11	2.96E-10	3.64E-11	1.20E-10	8.27E-12	1.65E-10
1030	470870.09	3819067.99	4.36E-10	1.83E-09	1.65E-10	2.43E-09	3.63E-10	1.35E-09	1.18E-10	1.83E-09	4.12E-11	2.36E-10	2.81E-11	3.05E-10	3.74E-11	1.23E-10	8.51E-12	1.69E-10
1031	470873.64	3819076.8	4.48E-10	1.88E-09	1.70E-10	2.50E-09	3.73E-10	1.38E-09	1.22E-10	1.88E-09	4.23E-11	2.42E-10	2.89E-11	3.14E-10	3.85E-11	1.27E-10	8.75E-12	1.74E-10
1032	470877.19	3819085.62	4.61E-10	1.94E-09	1.74E-10	2.57E-09	3.84E-10	1.42E-09	1.25E-10	1.93E-09	4.35E-11	2.49E-10	2.97E-11	3.22E-10	3.96E-11	1.30E-10	8.99E-12	1.79E-10
1033	470880.74	3819094.43	4.73E-10	1.99E-09	1.79E-10	2.64E-09	3.94E-10	1.46E-09	1.29E-10	1.98E-09	4.47E-11	2.56E-10	3.05E-11	3.31E-10	4.06E-11	1.34E-10	9.24E-12	1.84E-10
1034	470884.28	3819103.24	4.86E-10	2.04E-09	1.84E-10	2.71E-09	4.05E-10	1.50E-09	1.32E-10	2.04E-09	4.59E-11	2.63E-10	3.13E-11	3.40E-10	4.17E-11	1.38E-10	9.48E-12	1.89E-10
1035	470887.83	3819112.05	4.99E-10	2.09E-09	1.89E-10	2.78E-09	4.15E-10	1.54E-09	1.35E-10	2.09E-09	4.71E-11	2.70E-10	3.22E-11	3.49E-10	4.28E-11	1.41E-10	9.73E-12	1.94E-10
1036	470891.38	3819120.86	5.11E-10	2.15E-09	1.93E-10	2.85E-09	4.26E-10	1.58E-09	1.39E-10	2.14E-09	4.83E-11	2.76E-10	3.30E-11	3.58E-10	4.39E-11	1.45E-10	9.98E-12	1.99E-10
1037	470894.93	3819129.68	5.24E-10	2.20E-09	1.98E-10	2.92E-09	4.37E-10	1.62E-09	1.42E-10	2.20E-09	4.95E-11	2.83E-10	3.38E-11	3.67E-10	4.50E-11	1.48E-10	1.02E-11	2.04E-10
1038	470898.48	3819138.49	5.37E-10	2.25E-09	2.03E-10	2.99E-09	4.47E-10	1.66E-09	1.46E-10	2.25E-09	5.07E-11	2.90E-10	3.46E-11	3.75E-10	4.61E-11	1.52E-10	1.05E-11	2.08E-10
1039	470902.02	3819147.3	5.49E-10	2.30E-09	2.08E-10	3.06E-09	4.57E-10	1.69E-09	1.49E-10	2.30E-09	5.18E-11	2.97E-10	3.54E-11	3.84E-10	4.71E-11	1.55E-10	1.07E-11	2.13E-10
1040	470905.57	3819156.11	5.61E-10	2.35E-09	2.12E-10	3.13E-09	4.67E-10	1.73E-09	1.52E-10	2.35E-09	5.29E-11	3.03E-10	3.62E-11	3.92E-10	4.81E-11	1.59E-10	1.09E-11	2.18E-10
1041	470909.12	3819164.92	5.72E-10	2.40E-09	2.16E-10	3.19E-09	4.77E-10	1.77E-09	1.55E-10	2.40E-09	5.40E-11	3.09E-10	3.69E-11	4.00E-10	4.91E-11	1.62E-10	1.12E-11	2.22E-10
1042	470912.67	3819173.73	5.84E-10	2.45E-09	2.21E-10	3.26E-09	4.86E-10	1.80E-09	1.58E-10	2.45E-09	5.51E-11	3.16E-10	3.76E-11	4.08E-10	5.01E-11	1.65E-10	1.14E-11	2.27E-10
1043	470916.21	3819182.55	5.95E-10	2.50E-09	2.25E-10	3.32E-09	4.95E-10	1.84E-09	1.61E-10	2.49E-09	5.62E-11	3.22E-10	3.84E-11	4.16E-10	5.11E-11	1.68E-10	1.16E-11	2.31E-10
1044	470919.76	3819191.36	6.05E-10	2.54E-09	2.29E-10	3.38E-09	5.04E-10	1.87E-09	1.64E-10	2.54E-09	5.72E-11	3.27E-10	3.90E-11	4.24E-10	5.20E-11	1.71E-10	1.18E-11	2.35E-10
1045	470923.31	3819200.17	6.16E-10	2.59E-09	2.33E-10	3.43E-09	5.13E-10	1.90E-09	1.67E-10	2.58E-09	5.81E-11	3.33E-10	3.97E-11	4.31E-10	5.29E-11	1.74E-10	1.20E-11	2.39E-10
1046	470926.86	3819208.98	6.25E-10	2.63E-09	2.37E-10	3.49E-09	5.21E-10	1.93E-09	1.70E-10	2.62E-09	5.91E-11	3.38E-10	4.03E-11	4.38E-10	5.37E-11	1.77E-10	1.22E-11	2.43E-10

1047	470930.4	3819217.79	6.35E-10	2.67E-09	2.40E-10	3.54E-09	5.29E-10	1.96E-09	1.72E-10	2.66E-09	5.99E-11	3.43E-10	4.09E-11	4.44E-10	5.45E-11	1.80E-10	1.24E-11	2.47E-10
1048	470175.64	3818577.02	4.39E-10	1.85E-09	1.66E-10	2.45E-09	3.66E-10	1.36E-09	1.19E-10	1.84E-09	4.15E-11	2.38E-10	2.83E-11	3.07E-10	3.77E-11	1.24E-10	8.57E-12	1.71E-10
1049	470166.08	3818576.88	4.41E-10	1.85E-09	1.67E-10	2.46E-09	3.67E-10	1.36E-09	1.20E-10	1.85E-09	4.16E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.25E-10	8.60E-12	1.71E-10
1050	470156.52	3818576.75	4.42E-10	1.85E-09	1.67E-10	2.46E-09	3.68E-10	1.36E-09	1.20E-10	1.85E-09	4.17E-11	2.39E-10	2.85E-11	3.09E-10	3.79E-11	1.25E-10	8.62E-12	1.72E-10
1051	470146.95	3818576.61	4.42E-10	1.86E-09	1.67E-10	2.46E-09	3.68E-10	1.36E-09	1.20E-10	1.85E-09	4.17E-11	2.39E-10	2.85E-11	3.09E-10	3.79E-11	1.25E-10	8.62E-12	1.72E-10
1052	470137.39	3818576.48	4.50E-10	1.89E-09	1.70E-10	2.51E-09	3.75E-10	1.39E-09	1.22E-10	1.88E-09	4.25E-11	2.43E-10	2.90E-11	3.15E-10	3.86E-11	1.27E-10	8.78E-12	1.75E-10
1053	470127.83	3818576.34	4.48E-10	1.88E-09	1.70E-10	2.50E-09	3.73E-10	1.38E-09	1.22E-10	1.88E-09	4.23E-11	2.42E-10	2.89E-11	3.14E-10	3.85E-11	1.27E-10	8.75E-12	1.74E-10
1054	470118.27	3818576.21	4.46E-10	1.87E-09	1.69E-10	2.49E-09	3.72E-10	1.38E-09	1.21E-10	1.87E-09	4.21E-11	2.41E-10	2.88E-11	3.12E-10	3.83E-11	1.26E-10	8.71E-12	1.73E-10
1055	470501.24	3818628.9	2.61E-10	1.09E-09	9.86E-11	1.45E-09	2.17E-10	8.04E-10	7.07E-11	1.09E-09	2.46E-11	1.41E-10	1.68E-11	1.82E-10	2.24E-11	7.38E-11	5.08E-12	1.01E-10
1056	470510	3818632.66	2.57E-10	1.08E-09	9.71E-11	1.43E-09	2.14E-10	7.92E-10	6.97E-11	1.08E-09	2.42E-11	1.39E-10	1.66E-11	1.80E-10	2.20E-11	7.27E-11	5.01E-12	9.97E-11
1057	470518.77	3818636.42	2.53E-10	1.06E-09	9.56E-11	1.41E-09	2.10E-10	7.80E-10	6.86E-11	1.06E-09	2.39E-11	1.37E-10	1.63E-11	1.77E-10	2.17E-11	7.15E-11	4.93E-12	9.82E-11
1058	470527.53	3818640.18	2.49E-10	1.04E-09	9.41E-11	1.39E-09	2.07E-10	7.68E-10	6.75E-11	1.04E-09	2.35E-11	1.34E-10	1.60E-11	1.74E-10	2.14E-11	7.04E-11	4.85E-12	9.66E-11
1059	470536.29	3818643.94	2.45E-10	1.03E-09	9.27E-11	1.37E-09	2.04E-10	7.56E-10	6.65E-11	1.03E-09	2.31E-11	1.32E-10	1.58E-11	1.71E-10	2.10E-11	6.93E-11	4.78E-12	9.52E-11
1060	470545.05	3818647.7	2.42E-10	1.01E-09	9.13E-11	1.35E-09	2.01E-10	7.45E-10	6.56E-11	1.01E-09	2.28E-11	1.31E-10	1.56E-11	1.69E-10	2.07E-11	6.84E-11	4.71E-12	9.38E-11
1061	470553.81	3818651.46	2.38E-10	9.99E-10	9.00E-11	1.33E-09	1.98E-10	7.34E-10	6.46E-11	9.97E-10	2.25E-11	1.29E-10	1.53E-11	1.66E-10	2.04E-11	6.73E-11	4.64E-12	9.24E-11
1062	470562.58	3818655.22	2.34E-10	9.83E-10	8.85E-11	1.31E-09	1.95E-10	7.22E-10	6.35E-11	9.80E-10	2.21E-11	1.26E-10	1.51E-11	1.64E-10	2.01E-11	6.62E-11	4.57E-12	9.09E-11
1063	470571.34	3818658.98	2.30E-10	9.66E-10	8.70E-11	1.28E-09	1.92E-10	7.10E-10	6.25E-11	9.64E-10	2.17E-11	1.24E-10	1.48E-11	1.61E-10	1.98E-11	6.51E-11	4.49E-12	8.94E-11
1064	470580.1	3818662.75	2.26E-10	9.51E-10	8.56E-11	1.26E-09	1.89E-10	6.98E-10	6.14E-11	9.48E-10	2.14E-11	1.22E-10	1.46E-11	1.58E-10	1.94E-11	6.41E-11	4.42E-12	8.79E-11
1065	470667.72	3818700.35	1.92E-10	8.08E-10	7.28E-11	1.07E-09	1.60E-10	5.94E-10	5.23E-11	8.07E-10	1.82E-11	1.04E-10	1.24E-11	1.35E-10	1.65E-11	5.45E-11	3.76E-12	7.48E-11
1066	470676.48	3818704.11	1.90E-10	7.96E-10	7.17E-11	1.06E-09	1.58E-10	5.85E-10	5.15E-11	7.95E-10	1.79E-11	1.03E-10	1.22E-11	1.33E-10	1.63E-11	5.37E-11	3.70E-12	7.37E-11
1067	470685.25	3818707.87	1.87E-10	7.85E-10	7.07E-11	1.04E-09	1.56E-10	5.77E-10	5.07E-11	7.83E-10	1.76E-11	1.01E-10	1.21E-11	1.31E-10	1.60E-11	5.29E-11	3.65E-12	7.26E-11
1068	470694.01	3818711.64	1.84E-10	7.74E-10	6.97E-11	1.03E-09	1.54E-10	5.69E-10	5.00E-11	7.72E-10	1.74E-11	9.97E-11	1.19E-11	1.29E-10	1.58E-11	5.22E-11	3.60E-12	7.16E-11
1069	470702.77	3818715.4	1.82E-10	7.64E-10	6.88E-11	1.01E-09	1.51E-10	5.61E-10	4.94E-11	7.62E-10	1.72E-11	9.83E-11	1.17E-11	1.27E-10	1.56E-11	5.15E-11	3.55E-12	7.06E-11
1070	470711.53	3818719.16	1.80E-10	7.54E-10	6.79E-11	1.00E-09	1.50E-10	5.54E-10	4.87E-11	7.52E-10	1.70E-11	9.71E-11	1.16E-11	1.26E-10	1.54E-11	5.08E-11	3.50E-12	6.97E-11
1071	470720.29	3818722.92	1.77E-10	7.45E-10	6.71E-11	9.89E-10	1.48E-10	5.47E-10	4.82E-11	7.43E-10	1.68E-11	9.59E-11	1.14E-11	1.24E-10	1.52E-11	5.02E-11	3.46E-12	6.89E-11
1072	470729.06	3818726.68	1.75E-10	7.37E-10	6.63E-11	9.78E-10	1.46E-10	5.41E-10	4.76E-11	7.35E-10	1.66E-11	9.48E-11	1.13E-11	1.23E-10	1.51E-11	4.96E-11	3.42E-12	6.81E-11
1073	470737.82	3818730.44	1.74E-10	7.29E-10	6.56E-11	9.68E-10	1.45E-10	5.36E-10	4.71E-11	7.27E-10	1.64E-11	9.38E-11	1.12E-11	1.21E-10	1.49E-11	4.91E-11	3.39E-12	6.74E-11
1074	470746.58	3818734.2	1.72E-10	7.21E-10	6.50E-11	9.58E-10	1.43E-10	5.30E-10	4.66E-11	7.20E-10	1.62E-11	9.29E-11	1.11E-11	1.20E-10	1.47E-11	4.86E-11	3.35E-12	6.67E-11
1075	470755.34	3818737.96	1.70E-10	7.15E-10	6.44E-11	9.50E-10	1.42E-10	5.25E-10	4.62E-11	7.13E-10	1.61E-11	9.20E-11	1.10E-11	1.19E-10	1.46E-11	4.82E-11	3.32E-12	6.61E-11
1076	470764.1	3818741.72	1.69E-10	7.09E-10	6.38E-11	9.42E-10	1.41E-10	5.21E-10	4.58E-11	7.07E-10	1.59E-11	9.13E-11	1.09E-11	1.18E-10	1.45E-11	4.78E-11	3.29E-12	6.56E-11
1077	470772.87	3818745.48	1.67E-10	7.03E-10	6.33E-11	9.34E-10	1.39E-10	5.17E-10	4.55E-11	7.02E-10	1.58E-11	9.05E-11	1.08E-11	1.17E-10	1.44E-11	4.74E-11	3.27E-12	6.50E-11
1078	470785.19	3818758.09	1.69E-10	7.09E-10	6.38E-11	9.41E-10	1.41E-10	5.21E-10	4.58E-11	7.07E-10	1.59E-11	9.12E-11	1.09E-11	1.18E-10	1.45E-11	4.78E-11	3.29E-12	6.55E-11
1079	470788.75	3818766.93	1.71E-10	7.20E-10	6.48E-11	9.56E-10	1.43E-10	5.29E-10	4.65E-11	7.18E-10	1.62E-11	9.26E-11	1.11E-11	1.20E-10	1.47E-11	4.85E-11	3.34E-12	6.66E-11
1080	470792.31	3818775.78	1.74E-10	7.32E-10	6.59E-11	9.72E-10	1.45E-10	5.38E-10	4.73E-11	7.30E-10	1.65E-11	9.42E-11	1.12E-11	1.22E-10	1.50E-11	4.93E-11	3.40E-12	6.77E-11
1081	470795.87	3818784.62	1.77E-10	7.44E-10	6.70E-11	9.88E-10	1.48E-10	5.47E-10	4.81E-11	7.43E-10	1.67E-11	9.58E-11	1.14E-11	1.24E-10	1.52E-11	5.02E-11	3.46E-12	6.88E-11
1082	470799.43	3818793.47	1.80E-10	7.58E-10	6.82E-11	1.01E-09	1.50E-10	5.57E-10	4.90E-11	7.56E-10	1.70E-11	9.75E-11	1.16E-11	1.26E-10	1.55E-11	5.11E-11	3.52E-12	7.01E-11
1083	470802.99	3818802.31	1.84E-10	7.72E-10	6.95E-11	1.03E-09	1.53E-10	5.67E-10	4.99E-11	7.70E-10	1.74E-11	9.94E-11	1.19E-11	1.29E-10	1.58E-11	5.20E-11	3.59E-12	7.14E-11
1084	470806.56	3818811.16	1.88E-10	7.87E-10	7.09E-11	1.05E-09	1.56E-10	5.79E-10	5.09E-11	7.86E-10	1.77E-11	1.01E-10	1.21E-11	1.31E-10	1.61E-11	5.31E-11	3.66E-12	7.28E-11
1085	470810.12	3818820	1.91E-10	8.04E-10	7.24E-11	1.07E-09	1.59E-10	5.91E-10	5.19E-11	8.02E-10	1.81E-11	1.03E-10	1.23E-11	1.34E-10	1.64E-11	5.42E-11	3.73E-12	7.43E-11
1086	470813.68	3818828.85	1.95E-10	8.21E-10	7.39E-11	1.09E-09	1.63E-10	6.03E-10	5.31E-11	8.19E-10	1.85E-11	1.06E-10	1.26E-11	1.37E-10	1.68E-11	5.53E-11	3.81E-12	7.59E-11
1087	470817.24	3818837.69	2.00E-10	8.39E-10	7.56E-11	1.11E-09	1.66E-10	6.17E-10	5.42E-11	8.37E-10	1.89E-11	1.08E-10	1.29E-11	1.40E-10	1.72E-11	5.66E-11	3.90E-12	7.76E-11
1088	470820.8	3818846.54	2.04E-10	8.58E-10	7.73E-11	1.14E-09	1.70E-10	6.31E-10	5.55E-11	8.57E-10	1.93E-11	1.11E-10	1.32E-11	1.43E-10	1.75E-11	5.79E-11	3.99E-12	7.94E-11
1089	470824.36	3818855.38	2.09E-10	8.79E-10	7.91E-11	1.17E-09	1.74E-10	6.46E-10	5.68E-11	8.77E-10	1.98E-11	1.13E-10	1.35E-11	1.46E-10	1.80E-11	5.92E-11	4.08E-12	8.13E-11
1090	470827.92	3818864.23	2.14E-10	9.00E-10	8.11E-11	1.20E-09	1.79E-10	6.61E-10	5.82E-11	8.98E-10	2.02E-11	1.16E-10	1.38E-11	1.50E-10	1.84E-11	6.07E-11	4.18E-12	8.33E-11
1091	470831.48	3818873.08	2.20E-10	9.23E-10	8.31E-11	1.23E-09	1.83E-10	6.78E-10	5.97E-11	9.21E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.22E-11	4.29E-12	8.54E-11
1092	470835.04	3818881.92	2.25E-10	9.47E-10	8.53E-11	1.26E-09	1.88E-10	6.96E-10	6.12E-11	9.45E-10	2.13E-11	1.22E-10	1.45E-11	1.58E-10	1.94E-11	6.38E-11	4.40E-12	8.76E-11
1093	470838.6	3818890.77	2.31E-10	9.72E-10	8.75E-11	1.29E-09	1.93E-10	7.14E-10	6.28E-11	9.70E-10	2.18E-11	1.25E-10	1.49E-11	1.62E-10	1.99E-11	6.55E-11	4.51E-12	8.99E-11
1094	470842.17	3818899.61	2.38E-10	9.98E-10	8.98E-11	1.32E-09	1.98E-10	7.33E-10	6.45E-11	9.95E-10	2.24E-11	1.28E-10	1.53E-11	1.66E-10	2.04E-11	6.72E-11	4.63E-12	9.23E-11
1095	470845.73	3818908.46	2.44E-10	1.02E-09	9.23E-11	1.36E-09	2.03E-10	7.53E-10	6.62E-11	1.02E-09	2.30E-11	1.32E-10	1.57E-11	1.71E-10	2.09E-11	6.91E-11	4.76E-12	9.48E-11
1096	470849.29	3818917.3	2.51E-10	1.05E-09	9.48E-11	1.40E-09	2.09E-10	7.74E-10	6.81E-11	1.05E-09	2.37E-11	1.36E-10	1.62E-11	1.75E-10	2.15E-11	7.10E-11	4.89E-12	9.74E-11

1097	470852.85	3818926.15	2.58E-10	1.08E-09	9.75E-11	1.44E-09	2.15E-10	7.95E-10	7.00E-11	1.08E-09	2.43E-11	1.39E-10	1.66E-11	1.80E-10	2.21E-11	7.30E-11	5.03E-12	1.00E-10
1098	470856.41	3818934.99	2.65E-10	1.11E-09	1.00E-10	1.48E-09	2.21E-10	8.18E-10	7.19E-11	1.11E-09	2.50E-11	1.43E-10	1.71E-11	1.85E-10	2.27E-11	7.50E-11	5.17E-12	1.03E-10
1099	470859.97	3818943.84	2.73E-10	1.14E-09	1.03E-10	1.52E-09	2.27E-10	8.41E-10	7.40E-11	1.14E-09	2.57E-11	1.47E-10	1.76E-11	1.91E-10	2.34E-11	7.72E-11	5.32E-12	1.06E-10
1100	470863.53	3818952.68	2.80E-10	1.18E-09	1.06E-10	1.56E-09	2.34E-10	8.65E-10	7.61E-11	1.17E-09	2.65E-11	1.52E-10	1.81E-11	1.96E-10	2.41E-11	7.94E-11	5.47E-12	1.09E-10
1101	470867.09	3818961.53	2.89E-10	1.21E-09	1.09E-10	1.61E-09	2.40E-10	8.90E-10	7.83E-11	1.21E-09	2.72E-11	1.56E-10	1.86E-11	2.02E-10	2.48E-11	8.17E-11	5.63E-12	1.12E-10
1102	470870.65	3818970.37	2.97E-10	1.25E-09	1.12E-10	1.66E-09	2.47E-10	9.16E-10	8.06E-11	1.24E-09	2.80E-11	1.61E-10	1.92E-11	2.08E-10	2.55E-11	8.41E-11	5.80E-12	1.15E-10
1103	470874.21	3818979.22	3.06E-10	1.28E-09	1.16E-10	1.71E-09	2.55E-10	9.43E-10	8.30E-11	1.28E-09	2.89E-11	1.65E-10	1.97E-11	2.14E-10	2.62E-11	8.65E-11	5.96E-12	1.19E-10
1104	470877.78	3818988.06	3.15E-10	1.32E-09	1.19E-10	1.75E-09	2.62E-10	9.71E-10	8.54E-11	1.32E-09	2.97E-11	1.70E-10	2.03E-11	2.20E-10	2.70E-11	8.91E-11	6.14E-12	1.22E-10
1105	470881.34	3818996.91	3.24E-10	1.36E-09	1.22E-10	1.81E-09	2.70E-10	9.99E-10	8.79E-11	1.36E-09	3.06E-11	1.75E-10	2.09E-11	2.27E-10	2.78E-11	9.17E-11	6.32E-12	1.26E-10
1106	470945.43	3819156.12	5.14E-10	2.16E-09	1.94E-10	2.87E-09	4.28E-10	1.59E-09	1.39E-10	2.15E-09	4.85E-11	2.78E-10	3.31E-11	3.59E-10	4.41E-11	1.45E-10	1.00E-11	2.00E-10
1107	470949	3819164.97	5.24E-10	2.20E-09	1.98E-10	2.92E-09	4.36E-10	1.62E-09	1.42E-10	2.19E-09	4.95E-11	2.83E-10	3.38E-11	3.66E-10	4.50E-11	1.48E-10	1.02E-11	2.03E-10
1108	470952.56	3819173.81	5.33E-10	2.24E-09	2.02E-10	2.98E-09	4.44E-10	1.65E-09	1.45E-10	2.24E-09	5.04E-11	2.88E-10	3.44E-11	3.73E-10	4.58E-11	1.51E-10	1.04E-11	2.07E-10
1109	470956.12	3819182.66	5.43E-10	2.28E-09	2.05E-10	3.03E-09	4.52E-10	1.68E-09	1.47E-10	2.27E-09	5.13E-11	2.93E-10	3.50E-11	3.80E-10	4.66E-11	1.54E-10	1.06E-11	2.11E-10
1110	470959.68	3819191.5	5.52E-10	2.32E-09	2.09E-10	3.08E-09	4.60E-10	1.70E-09	1.50E-10	2.31E-09	5.21E-11	2.98E-10	3.56E-11	3.86E-10	4.74E-11	1.56E-10	1.08E-11	2.14E-10
1111	470963.24	3819200.35	5.61E-10	2.35E-09	2.12E-10	3.13E-09	4.67E-10	1.73E-09	1.52E-10	2.35E-09	5.29E-11	3.03E-10	3.62E-11	3.92E-10	4.81E-11	1.59E-10	1.09E-11	2.18E-10
1112	470966.8	3819209.19	5.69E-10	2.39E-09	2.15E-10	3.17E-09	4.74E-10	1.76E-09	1.54E-10	2.38E-09	5.37E-11	3.08E-10	3.67E-11	3.98E-10	4.88E-11	1.61E-10	1.11E-11	2.21E-10
1113	470970.36	3819218.04	5.77E-10	2.42E-09	2.18E-10	3.22E-09	4.80E-10	1.78E-09	1.57E-10	2.42E-09	5.45E-11	3.12E-10	3.72E-11	4.03E-10	4.95E-11	1.63E-10	1.13E-11	2.24E-10
1114	470157.08	3818536.75	3.97E-10	1.67E-09	1.50E-10	2.21E-09	3.31E-10	1.22E-09	1.08E-10	1.66E-09	3.75E-11	2.15E-10	2.56E-11	2.78E-10	3.41E-11	1.12E-10	7.74E-12	1.54E-10
1115	470147.52	3818536.61	3.97E-10	1.67E-09	1.50E-10	2.22E-09	3.31E-10	1.23E-09	1.08E-10	1.66E-09	3.75E-11	2.15E-10	2.56E-11	2.78E-10	3.41E-11	1.12E-10	7.75E-12	1.54E-10
1116	470137.96	3818536.48	4.05E-10	1.70E-09	1.53E-10	2.26E-09	3.37E-10	1.25E-09	1.10E-10	1.70E-09	3.82E-11	2.19E-10	2.61E-11	2.83E-10	3.48E-11	1.15E-10	7.90E-12	1.57E-10
1117	470128.39	3818536.34	4.04E-10	1.70E-09	1.53E-10	2.25E-09	3.37E-10	1.25E-09	1.10E-10	1.69E-09	3.82E-11	2.18E-10	2.61E-11	2.83E-10	3.47E-11	1.14E-10	7.88E-12	1.57E-10
1118	470118.83	3818536.21	4.02E-10	1.69E-09	1.52E-10	2.24E-09	3.35E-10	1.24E-09	1.09E-10	1.69E-09	3.80E-11	2.17E-10	2.59E-11	2.81E-10	3.45E-11	1.14E-10	7.85E-12	1.56E-10
1119	470543.76	3818566.67	2.08E-10	8.72E-10	7.85E-11	1.16E-09	1.73E-10	6.40E-10	5.63E-11	8.70E-10	1.96E-11	1.12E-10	1.34E-11	1.45E-10	1.78E-11	5.87E-11	4.05E-12	8.06E-11
1120	470552.44	3818570.4	2.05E-10	8.60E-10	7.74E-11	1.14E-09	1.70E-10	6.32E-10	5.56E-11	8.58E-10	1.93E-11	1.11E-10	1.32E-11	1.43E-10	1.76E-11	5.79E-11	3.99E-12	7.95E-11
1121	470561.12	3818574.12	2.02E-10	8.47E-10	7.63E-11	1.13E-09	1.68E-10	6.23E-10	5.48E-11	8.45E-10	1.91E-11	1.09E-10	1.30E-11	1.41E-10	1.73E-11	5.71E-11	3.94E-12	7.84E-11
1122	470569.8	3818577.85	1.99E-10	8.35E-10	7.52E-11	1.11E-09	1.66E-10	6.14E-10	5.40E-11	8.33E-10	1.88E-11	1.08E-10	1.28E-11	1.39E-10	1.71E-11	5.63E-11	3.88E-12	7.73E-11
1123	470578.48	3818581.57	1.96E-10	8.23E-10	7.41E-11	1.09E-09	1.63E-10	6.05E-10	5.32E-11	8.21E-10	1.85E-11	1.06E-10	1.26E-11	1.37E-10	1.68E-11	5.55E-11	3.82E-12	7.61E-11
1124	470587.15	3818585.3	1.93E-10	8.11E-10	7.30E-11	1.08E-09	1.61E-10	5.96E-10	5.24E-11	8.09E-10	1.82E-11	1.04E-10	1.25E-11	1.35E-10	1.66E-11	5.47E-11	3.77E-12	7.50E-11
1125	470595.83	3818589.02	1.90E-10	7.99E-10	7.20E-11	1.06E-09	1.58E-10	5.87E-10	5.16E-11	7.97E-10	1.80E-11	1.03E-10	1.23E-11	1.33E-10	1.63E-11	5.39E-11	3.71E-12	7.39E-11
1126	470604.51	3818592.75	1.87E-10	7.87E-10	7.09E-11	1.05E-09	1.56E-10	5.78E-10	5.09E-11	7.85E-10	1.77E-11	1.01E-10	1.21E-11	1.31E-10	1.61E-11	5.30E-11	3.66E-12	7.28E-11
1127	470613.19	3818596.47	1.85E-10	7.75E-10	6.98E-11	1.03E-09	1.54E-10	5.70E-10	5.01E-11	7.74E-10	1.74E-11	9.98E-11	1.19E-11	1.29E-10	1.58E-11	5.23E-11	3.60E-12	7.17E-11
1128	470621.87	3818600.2	1.82E-10	7.63E-10	6.88E-11	1.01E-09	1.51E-10	5.61E-10	4.94E-11	7.62E-10	1.72E-11	9.83E-11	1.17E-11	1.27E-10	1.56E-11	5.15E-11	3.55E-12	7.06E-11
1129	470673.94	3818622.55	1.66E-10	6.97E-10	6.28E-11	9.26E-10	1.38E-10	5.12E-10	4.51E-11	6.95E-10	1.57E-11	8.97E-11	1.07E-11	1.16E-10	1.42E-11	4.70E-11	3.24E-12	6.45E-11
1130	470682.62	3818626.27	1.63E-10	6.87E-10	6.18E-11	9.12E-10	1.36E-10	5.04E-10	4.44E-11	6.85E-10	1.54E-11	8.84E-11	1.05E-11	1.14E-10	1.40E-11	4.63E-11	3.19E-12	6.35E-11
1131	470691.3	3818630	1.61E-10	6.76E-10	6.09E-11	8.98E-10	1.34E-10	4.97E-10	4.37E-11	6.75E-10	1.52E-11	8.71E-11	1.04E-11	1.13E-10	1.38E-11	4.56E-11	3.14E-12	6.26E-11
1132	470699.98	3818633.72	1.59E-10	6.66E-10	6.00E-11	8.85E-10	1.32E-10	4.90E-10	4.31E-11	6.65E-10	1.50E-11	8.58E-11	1.02E-11	1.11E-10	1.36E-11	4.49E-11	3.10E-12	6.16E-11
1133	470708.66	3818637.45	1.56E-10	6.57E-10	5.92E-11	8.73E-10	1.30E-10	4.83E-10	4.25E-11	6.56E-10	1.48E-11	8.46E-11	1.01E-11	1.09E-10	1.34E-11	4.43E-11	3.05E-12	6.08E-11
1134	470717.33	3818641.17	1.54E-10	6.48E-10	5.83E-11	8.61E-10	1.29E-10	4.76E-10	4.19E-11	6.46E-10	1.46E-11	8.34E-11	9.95E-12	1.08E-10	1.32E-11	4.37E-11	3.01E-12	5.99E-11
1135	470726.01	3818644.9	1.52E-10	6.39E-10	5.75E-11	8.49E-10	1.27E-10	4.70E-10	4.13E-11	6.38E-10	1.44E-11	8.23E-11	9.81E-12	1.06E-10	1.31E-11	4.31E-11	2.97E-12	5.91E-11
1136	470734.69	3818648.62	1.50E-10	6.31E-10	5.68E-11	8.38E-10	1.25E-10	4.63E-10	4.08E-11	6.29E-10	1.42E-11	8.12E-11	9.69E-12	1.05E-10	1.29E-11	4.25E-11	2.93E-12	5.83E-11
1137	470743.37	3818652.35	1.48E-10	6.23E-10	5.61E-11	8.27E-10	1.24E-10	4.58E-10	4.03E-11	6.21E-10	1.40E-11	8.02E-11	9.57E-12	1.04E-10	1.27E-11	4.20E-11	2.89E-12	5.76E-11
1138	470752.05	3818656.07	1.46E-10	6.15E-10	5.54E-11	8.17E-10	1.22E-10	4.52E-10	3.98E-11	6.14E-10	1.38E-11	7.92E-11	9.45E-12	1.02E-10	1.26E-11	4.15E-11	2.86E-12	5.69E-11
1139	470760.73	3818659.8	1.45E-10	6.08E-10	5.47E-11	8.07E-10	1.21E-10	4.47E-10	3.93E-11	6.06E-10	1.37E-11	7.82E-11	9.33E-12	1.01E-10	1.24E-11	4.10E-11	2.82E-12	5.62E-11
1140	470769.41	3818663.52	1.43E-10	6.01E-10	5.41E-11	7.98E-10	1.19E-10	4.42E-10	3.88E-11	6.00E-10	1.35E-11	7.74E-11	9.23E-12	1.00E-10	1.23E-11	4.05E-11	2.79E-12	5.56E-11
1141	470778.08	3818667.25	1.42E-10	5.94E-10	5.35E-11	7.89E-10	1.18E-10	4.37E-10	3.84E-11	5.93E-10	1.34E-11	7.65E-11	9.13E-12	9.90E-11	1.22E-11	4.01E-11	2.76E-12	5.50E-11
1142	470786.76	3818670.97	1.40E-10	5.88E-10	5.30E-11	7.81E-10	1.17E-10	4.32E-10	3.80E-11	5.87E-10	1.32E-11	7.57E-11	9.04E-12	9.80E-11	1.20E-11	3.97E-11	2.73E-12	5.44E-11
1143	470795.44	3818674.69	1.39E-10	5.83E-10	5.25E-11	7.74E-10	1.16E-10	4.28E-10	3.77E-11	5.82E-10	1.31E-11	7.50E-11	8.95E-12	9.71E-11	1.19E-11	3.93E-11	2.71E-12	5.39E-11
1144	470804.12	3818678.42	1.38E-10	5.78E-10	5.20E-11	7.67E-10	1.15E-10	4.24E-10	3.73E-11	5.76E-10	1.30E-11	7.44E-11	8.87E-12	9.62E-11	1.18E-11	3.89E-11	2.68E-12	5.34E-11
1145	470812.8	3818682.14	1.36E-10	5.73E-10	5.16E-11	7.61E-10	1.14E-10	4.21E-10	3.70E-11	5.72E-10	1.29E-11	7.38E-11	8.80E-12	9.54E-11	1.17E-11	3.86E-11	2.66E-12	5.30E-11
1146	470821.48	3818685.87	1.35E-10	5.69E-10	5.12E-11	7.55E-10	1.13E-10	4.18E-10	3.68E-11	5.67E-10	1.28E-11	7.32E-11	8.73E-12	9.47E-11	1.16E-11	3.83E-11	2.64E-12	5.26E-11

1147	470830.16	3818689.59	1.34E-10	5.65E-10	5.08E-11	7.50E-10	1.12E-10	4.15E-10	3.65E-11	5.63E-10	1.27E-11	7.27E-11	8.67E-12	9.41E-11	1.15E-11	3.81E-11	2.62E-12	5.22E-11
1148	470842.36	3818702.08	1.35E-10	5.69E-10	5.12E-11	7.55E-10	1.13E-10	4.18E-10	3.68E-11	5.67E-10	1.28E-11	7.32E-11	8.73E-12	9.47E-11	1.16E-11	3.83E-11	2.64E-12	5.26E-11
1149	470845.89	3818710.84	1.37E-10	5.76E-10	5.19E-11	7.66E-10	1.14E-10	4.24E-10	3.73E-11	5.75E-10	1.30E-11	7.42E-11	8.85E-12	9.60E-11	1.18E-11	3.89E-11	2.68E-12	5.33E-11
1150	470849.42	3818719.6	1.39E-10	5.85E-10	5.27E-11	7.77E-10	1.16E-10	4.30E-10	3.78E-11	5.84E-10	1.32E-11	7.53E-11	8.99E-12	9.74E-11	1.20E-11	3.94E-11	2.72E-12	5.41E-11
1151	470852.94	3818728.36	1.41E-10	5.94E-10	5.35E-11	7.89E-10	1.18E-10	4.36E-10	3.84E-11	5.93E-10	1.34E-11	7.64E-11	9.12E-12	9.89E-11	1.21E-11	4.00E-11	2.76E-12	5.49E-11
1152	470856.47	3818737.12	1.44E-10	6.04E-10	5.44E-11	8.02E-10	1.20E-10	4.43E-10	3.90E-11	6.02E-10	1.36E-11	7.77E-11	9.27E-12	1.01E-10	1.23E-11	4.07E-11	2.80E-12	5.58E-11
1153	470860	3818745.89	1.46E-10	6.14E-10	5.53E-11	8.15E-10	1.22E-10	4.51E-10	3.97E-11	6.12E-10	1.38E-11	7.90E-11	9.43E-12	1.02E-10	1.25E-11	4.14E-11	2.85E-12	5.68E-11
1154	470863.52	3818754.65	1.49E-10	6.24E-10	5.62E-11	8.29E-10	1.24E-10	4.59E-10	4.04E-11	6.23E-10	1.40E-11	8.04E-11	9.59E-12	1.04E-10	1.28E-11	4.21E-11	2.90E-12	5.78E-11
1155	470867.05	3818763.41	1.51E-10	6.36E-10	5.73E-11	8.45E-10	1.26E-10	4.67E-10	4.11E-11	6.34E-10	1.43E-11	8.19E-11	9.77E-12	1.06E-10	1.30E-11	4.29E-11	2.95E-12	5.88E-11
1156	470870.58	3818772.17	1.54E-10	6.48E-10	5.83E-11	8.61E-10	1.29E-10	4.76E-10	4.19E-11	6.46E-10	1.46E-11	8.34E-11	9.95E-12	1.08E-10	1.32E-11	4.37E-11	3.01E-12	5.99E-11
1157	470874.11	3818780.93	1.57E-10	6.60E-10	5.95E-11	8.77E-10	1.31E-10	4.85E-10	4.27E-11	6.59E-10	1.49E-11	8.50E-11	1.01E-11	1.10E-10	1.35E-11	4.45E-11	3.07E-12	6.11E-11
1158	470877.63	3818789.69	1.60E-10	6.74E-10	6.07E-11	8.95E-10	1.34E-10	4.95E-10	4.36E-11	6.72E-10	1.52E-11	8.68E-11	1.04E-11	1.12E-10	1.38E-11	4.54E-11	3.13E-12	6.23E-11
1159	470881.16	3818798.45	1.64E-10	6.88E-10	6.20E-11	9.14E-10	1.36E-10	5.06E-10	4.45E-11	6.87E-10	1.55E-11	8.86E-11	1.06E-11	1.15E-10	1.41E-11	4.64E-11	3.20E-12	6.36E-11
1160	470884.69	3818807.21	1.67E-10	7.03E-10	6.33E-11	9.34E-10	1.39E-10	5.17E-10	4.54E-11	7.01E-10	1.58E-11	9.05E-11	1.08E-11	1.17E-10	1.44E-11	4.74E-11	3.27E-12	6.50E-11
1161	470888.21	3818815.97	1.71E-10	7.19E-10	6.47E-11	9.54E-10	1.43E-10	5.28E-10	4.65E-11	7.17E-10	1.62E-11	9.25E-11	1.10E-11	1.20E-10	1.47E-11	4.84E-11	3.34E-12	6.65E-11
1162	470891.74	3818824.73	1.75E-10	7.35E-10	6.62E-11	9.76E-10	1.46E-10	5.40E-10	4.75E-11	7.33E-10	1.65E-11	9.46E-11	1.13E-11	1.22E-10	1.50E-11	4.95E-11	3.41E-12	6.80E-11
1163	470895.27	3818833.49	1.79E-10	7.52E-10	6.77E-11	9.98E-10	1.49E-10	5.52E-10	4.86E-11	7.50E-10	1.69E-11	9.68E-11	1.15E-11	1.25E-10	1.54E-11	5.07E-11	3.49E-12	6.95E-11
1164	470898.8	3818842.26	1.83E-10	7.69E-10	6.93E-11	1.02E-09	1.53E-10	5.65E-10	4.97E-11	7.68E-10	1.73E-11	9.91E-11	1.18E-11	1.28E-10	1.57E-11	5.19E-11	3.58E-12	7.12E-11
1165	470902.32	3818851.02	1.88E-10	7.88E-10	7.10E-11	1.05E-09	1.56E-10	5.79E-10	5.09E-11	7.86E-10	1.77E-11	1.01E-10	1.21E-11	1.31E-10	1.61E-11	5.31E-11	3.66E-12	7.29E-11
1166	470905.85	3818859.78	1.92E-10	8.07E-10	7.27E-11	1.07E-09	1.60E-10	5.93E-10	5.22E-11	8.05E-10	1.81E-11	1.04E-10	1.24E-11	1.34E-10	1.65E-11	5.44E-11	3.75E-12	7.46E-11
1167	470909.38	3818868.54	1.97E-10	8.27E-10	7.45E-11	1.10E-09	1.64E-10	6.08E-10	5.35E-11	8.25E-10	1.86E-11	1.06E-10	1.27E-11	1.38E-10	1.69E-11	5.58E-11	3.84E-12	7.65E-11
1168	470912.9	3818877.3	2.02E-10	8.48E-10	7.63E-11	1.13E-09	1.68E-10	6.23E-10	5.48E-11	8.46E-10	1.91E-11	1.09E-10	1.30E-11	1.41E-10	1.73E-11	5.71E-11	3.94E-12	7.84E-11
1169	470916.43	3818886.06	2.07E-10	8.69E-10	7.83E-11	1.15E-09	1.72E-10	6.39E-10	5.62E-11	8.67E-10	1.96E-11	1.12E-10	1.34E-11	1.45E-10	1.78E-11	5.86E-11	4.04E-12	8.04E-11
1170	470919.96	3818894.82	2.12E-10	8.92E-10	8.03E-11	1.18E-09	1.77E-10	6.55E-10	5.77E-11	8.90E-10	2.01E-11	1.15E-10	1.37E-11	1.49E-10	1.82E-11	6.01E-11	4.14E-12	8.25E-11
1171	470923.49	3818903.58	2.18E-10	9.15E-10	8.24E-11	1.22E-09	1.81E-10	6.72E-10	5.92E-11	9.13E-10	2.06E-11	1.18E-10	1.41E-11	1.52E-10	1.87E-11	6.17E-11	4.25E-12	8.46E-11
1172	470927.01	3818912.34	2.24E-10	9.39E-10	8.46E-11	1.25E-09	1.86E-10	6.90E-10	6.07E-11	9.37E-10	2.11E-11	1.21E-10	1.44E-11	1.56E-10	1.92E-11	6.33E-11	4.36E-12	8.69E-11
1173	470930.54	3818921.1	2.30E-10	9.64E-10	8.68E-11	1.28E-09	1.91E-10	7.08E-10	6.23E-11	9.62E-10	2.17E-11	1.24E-10	1.48E-11	1.61E-10	1.97E-11	6.50E-11	4.48E-12	8.92E-11
1174	470934.07	3818929.86	2.36E-10	9.89E-10	8.91E-11	1.31E-09	1.96E-10	7.27E-10	6.40E-11	9.87E-10	2.22E-11	1.27E-10	1.52E-11	1.65E-10	2.02E-11	6.67E-11	4.60E-12	9.15E-11
1175	470937.59	3818938.63	2.42E-10	1.02E-09	9.15E-11	1.35E-09	2.02E-10	7.47E-10	6.57E-11	1.01E-09	2.28E-11	1.31E-10	1.56E-11	1.69E-10	2.08E-11	6.85E-11	4.72E-12	9.40E-11
1176	470941.12	3818947.39	2.48E-10	1.04E-09	9.39E-11	1.39E-09	2.07E-10	7.67E-10	6.74E-11	1.04E-09	2.35E-11	1.34E-10	1.60E-11	1.74E-10	2.13E-11	7.03E-11	4.85E-12	9.65E-11
1177	470944.65	3818956.15	2.55E-10	1.07E-09	9.65E-11	1.42E-09	2.12E-10	7.87E-10	6.92E-11	1.07E-09	2.41E-11	1.38E-10	1.65E-11	1.78E-10	2.19E-11	7.22E-11	4.98E-12	9.91E-11
1178	470948.17	3818964.91	2.62E-10	1.10E-09	9.91E-11	1.46E-09	2.18E-10	8.08E-10	7.11E-11	1.10E-09	2.47E-11	1.42E-10	1.69E-11	1.83E-10	2.25E-11	7.42E-11	5.11E-12	1.02E-10
1179	470951.7	3818973.67	2.69E-10	1.13E-09	1.02E-10	1.50E-09	2.24E-10	8.30E-10	7.30E-11	1.13E-09	2.54E-11	1.45E-10	1.73E-11	1.88E-10	2.31E-11	7.61E-11	5.25E-12	1.04E-10
1180	470955.23	3818982.43	2.76E-10	1.16E-09	1.04E-10	1.54E-09	2.30E-10	8.52E-10	7.50E-11	1.16E-09	2.61E-11	1.49E-10	1.78E-11	1.93E-10	2.37E-11	7.82E-11	5.39E-12	1.07E-10
1181	470958.76	3818991.19	2.84E-10	1.19E-09	1.07E-10	1.58E-09	2.36E-10	8.75E-10	7.70E-11	1.19E-09	2.68E-11	1.53E-10	1.83E-11	1.98E-10	2.43E-11	8.03E-11	5.53E-12	1.10E-10
1182	470962.28	3818999.95	2.91E-10	1.22E-09	1.10E-10	1.62E-09	2.43E-10	8.99E-10	7.91E-11	1.22E-09	2.75E-11	1.57E-10	1.88E-11	2.04E-10	2.50E-11	8.24E-11	5.68E-12	1.13E-10
1183	470965.81	3819008.71	2.99E-10	1.26E-09	1.13E-10	1.67E-09	2.49E-10	9.22E-10	8.11E-11	1.25E-09	2.82E-11	1.62E-10	1.93E-11	2.09E-10	2.57E-11	8.46E-11	5.83E-12	1.16E-10
1184	470969.34	3819017.47	3.07E-10	1.29E-09	1.16E-10	1.71E-09	2.56E-10	9.47E-10	8.33E-11	1.29E-09	2.90E-11	1.66E-10	1.98E-11	2.15E-10	2.63E-11	8.68E-11	5.99E-12	1.19E-10
1185	470972.86	3819026.23	3.15E-10	1.32E-09	1.19E-10	1.76E-09	2.62E-10	9.71E-10	8.54E-11	1.32E-09	2.97E-11	1.70E-10	2.03E-11	2.20E-10	2.70E-11	8.91E-11	6.14E-12	1.22E-10
1186	470976.39	3819035	3.23E-10	1.36E-09	1.22E-10	1.80E-09	2.69E-10	9.96E-10	8.76E-11	1.35E-09	3.05E-11	1.75E-10	2.08E-11	2.26E-10	2.77E-11	9.14E-11	6.30E-12	1.25E-10
1187	470979.92	3819043.76	3.31E-10	1.39E-09	1.25E-10	1.85E-09	2.76E-10	1.02E-09	8.98E-11	1.39E-09	3.13E-11	1.79E-10	2.13E-11	2.32E-10	2.84E-11	9.37E-11	6.46E-12	1.29E-10
1188	470983.45	3819052.52	3.39E-10	1.42E-09	1.28E-10	1.89E-09	2.83E-10	1.05E-09	9.21E-11	1.42E-09	3.20E-11	1.83E-10	2.19E-11	2.37E-10	2.91E-11	9.60E-11	6.62E-12	1.32E-10
1189	470986.97	3819061.28	3.48E-10	1.46E-09	1.31E-10	1.94E-09	2.90E-10	1.07E-09	9.44E-11	1.46E-09	3.28E-11	1.88E-10	2.24E-11	2.43E-10	2.98E-11	9.84E-11	6.78E-12	1.35E-10
1190	470990.5	3819070.04	3.56E-10	1.49E-09	1.35E-10	1.99E-09	2.96E-10	1.10E-09	9.66E-11	1.49E-09	3.36E-11	1.92E-10	2.30E-11	2.49E-10	3.06E-11	1.01E-10	6.94E-12	1.38E-10
1191	470994.03	3819078.8	3.64E-10	1.53E-09	1.38E-10	2.03E-09	3.03E-10	1.12E-09	9.89E-11	1.53E-09	3.44E-11	1.97E-10	2.35E-11	2.55E-10	3.13E-11	1.03E-10	7.11E-12	1.41E-10
1192	470997.55	3819087.56	3.73E-10	1.57E-09	1.41E-10	2.08E-09	3.10E-10	1.15E-09	1.01E-10	1.56E-09	3.52E-11	2.01E-10	2.40E-11	2.61E-10	3.20E-11	1.06E-10	7.27E-12	1.45E-10
1193	471001.08	3819096.32	3.81E-10	1.60E-09	1.44E-10	2.13E-09	3.17E-10	1.18E-09	1.03E-10	1.60E-09	3.60E-11	2.06E-10	2.46E-11	2.67E-10	3.27E-11	1.08E-10	7.44E-12	1.48E-10
1194	471004.61	3819105.08	3.89E-10	1.64E-09	1.47E-10	2.17E-09	3.24E-10	1.20E-09	1.06E-10	1.63E-09	3.68E-11	2.11E-10	2.51E-11	2.72E-10	3.34E-11	1.10E-10	7.60E-12	1.51E-10
1195	471008.14	3819113.84	3.98E-10	1.67E-09	1.50E-10	2.22E-09	3.31E-10	1.23E-09	1.08E-10	1.67E-09	3.76E-11	2.15E-10	2.56E-11	2.78E-10	3.41E-11	1.13E-10	7.76E-12	1.54E-10
1196	471011.66	3819122.6	4.06E-10	1.70E-09	1.53E-10	2.26E-09	3.38E-10	1.25E-09	1.10E-10	1.70E-09	3.83E-11	2.19E-10	2.62E-11	2.84E-10	3.48E-11	1.15E-10	7.92E-12	1.58E-10

1197	471015.19	3819131.37	4.14E-10	1.74E-09	1.56E-10	2.31E-09	3.45E-10	1.28E-09	1.12E-10	1.73E-09	3.91E-11	2.24E-10	2.67E-11	2.89E-10	3.55E-11	1.17E-10	8.07E-12	1.61E-10
1198	471018.72	3819140.13	4.22E-10	1.77E-09	1.59E-10	2.35E-09	3.51E-10	1.30E-09	1.14E-10	1.77E-09	3.98E-11	2.28E-10	2.72E-11	2.95E-10	3.62E-11	1.19E-10	8.23E-12	1.64E-10
1199	471022.24	3819148.89	4.29E-10	1.80E-09	1.62E-10	2.39E-09	3.58E-10	1.32E-09	1.17E-10	1.80E-09	4.05E-11	2.32E-10	2.77E-11	3.00E-10	3.69E-11	1.22E-10	8.38E-12	1.67E-10
1200	471025.77	3819157.65	4.37E-10	1.83E-09	1.65E-10	2.44E-09	3.64E-10	1.35E-09	1.19E-10	1.83E-09	4.12E-11	2.36E-10	2.82E-11	3.06E-10	3.75E-11	1.24E-10	8.52E-12	1.70E-10
1201	471029.3	3819166.41	4.44E-10	1.86E-09	1.68E-10	2.48E-09	3.70E-10	1.37E-09	1.21E-10	1.86E-09	4.19E-11	2.40E-10	2.86E-11	3.11E-10	3.81E-11	1.26E-10	8.66E-12	1.72E-10
1202	470581.52	3818502.4	1.70E-10	7.12E-10	6.41E-11	9.46E-10	1.41E-10	5.23E-10	4.60E-11	7.10E-10	1.60E-11	9.17E-11	1.09E-11	1.19E-10	1.46E-11	4.80E-11	3.31E-12	6.59E-11
1203	470590.26	3818506.15	1.67E-10	7.03E-10	6.33E-11	9.33E-10	1.39E-10	5.16E-10	4.54E-11	7.01E-10	1.58E-11	9.05E-11	1.08E-11	1.17E-10	1.44E-11	4.74E-11	3.26E-12	6.50E-11
1204	470598.99	3818509.9	1.65E-10	6.94E-10	6.25E-11	9.21E-10	1.38E-10	5.10E-10	4.48E-11	6.92E-10	1.56E-11	8.93E-11	1.07E-11	1.16E-10	1.42E-11	4.67E-11	3.22E-12	6.41E-11
1205	470607.73	3818513.65	1.63E-10	6.84E-10	6.16E-11	9.09E-10	1.36E-10	5.03E-10	4.42E-11	6.83E-10	1.54E-11	8.81E-11	1.05E-11	1.14E-10	1.40E-11	4.61E-11	3.18E-12	6.33E-11
1206	470616.47	3818517.4	1.61E-10	6.75E-10	6.08E-11	8.97E-10	1.34E-10	4.96E-10	4.36E-11	6.74E-10	1.52E-11	8.69E-11	1.04E-11	1.12E-10	1.38E-11	4.55E-11	3.14E-12	6.24E-11
1207	470625.2	3818521.15	1.59E-10	6.66E-10	6.00E-11	8.84E-10	1.32E-10	4.89E-10	4.30E-11	6.64E-10	1.50E-11	8.57E-11	1.02E-11	1.11E-10	1.36E-11	4.49E-11	3.09E-12	6.16E-11
1208	470633.94	3818524.9	1.56E-10	6.56E-10	5.91E-11	8.72E-10	1.30E-10	4.82E-10	4.24E-11	6.55E-10	1.48E-11	8.45E-11	1.01E-11	1.09E-10	1.34E-11	4.42E-11	3.05E-12	6.07E-11
1209	470642.68	3818528.65	1.54E-10	6.47E-10	5.83E-11	8.60E-10	1.28E-10	4.76E-10	4.18E-11	6.46E-10	1.46E-11	8.33E-11	9.94E-12	1.08E-10	1.32E-11	4.36E-11	3.01E-12	5.99E-11
1210	470651.41	3818532.4	1.52E-10	6.38E-10	5.75E-11	8.48E-10	1.27E-10	4.69E-10	4.13E-11	6.37E-10	1.44E-11	8.22E-11	9.80E-12	1.06E-10	1.30E-11	4.30E-11	2.97E-12	5.90E-11
1211	470660.15	3818536.15	1.50E-10	6.29E-10	5.67E-11	8.36E-10	1.25E-10	4.62E-10	4.07E-11	6.28E-10	1.42E-11	8.10E-11	9.67E-12	1.05E-10	1.29E-11	4.24E-11	2.92E-12	5.82E-11
1212	470668.89	3818539.9	1.48E-10	6.20E-10	5.59E-11	8.24E-10	1.23E-10	4.56E-10	4.01E-11	6.19E-10	1.40E-11	7.99E-11	9.53E-12	1.03E-10	1.27E-11	4.18E-11	2.88E-12	5.74E-11
1213	470677.62	3818543.65	1.46E-10	6.12E-10	5.51E-11	8.12E-10	1.21E-10	4.49E-10	3.95E-11	6.10E-10	1.38E-11	7.87E-11	9.39E-12	1.02E-10	1.25E-11	4.12E-11	2.84E-12	5.66E-11
1214	470686.36	3818547.4	1.44E-10	6.03E-10	5.43E-11	8.01E-10	1.20E-10	4.43E-10	3.90E-11	6.02E-10	1.36E-11	7.76E-11	9.26E-12	1.00E-10	1.23E-11	4.06E-11	2.80E-12	5.58E-11
1215	470695.1	3818551.15	1.41E-10	5.94E-10	5.35E-11	7.89E-10	1.18E-10	4.37E-10	3.84E-11	5.93E-10	1.34E-11	7.65E-11	9.13E-12	9.90E-11	1.21E-11	4.00E-11	2.76E-12	5.50E-11
1216	470703.83	3818554.9	1.39E-10	5.86E-10	5.28E-11	7.78E-10	1.16E-10	4.30E-10	3.79E-11	5.84E-10	1.32E-11	7.54E-11	9.00E-12	9.76E-11	1.20E-11	3.95E-11	2.72E-12	5.42E-11
1217	470756.25	3818577.4	1.28E-10	5.38E-10	4.85E-11	7.15E-10	1.07E-10	3.96E-10	3.48E-11	5.37E-10	1.21E-11	6.93E-11	8.27E-12	8.97E-11	1.10E-11	3.63E-11	2.50E-12	4.98E-11
1218	470764.99	3818581.15	1.27E-10	5.31E-10	4.78E-11	7.06E-10	1.05E-10	3.90E-10	3.43E-11	5.30E-10	1.19E-11	6.84E-11	8.16E-12	8.85E-11	1.09E-11	3.58E-11	2.47E-12	4.91E-11
1219	470773.73	3818584.9	1.25E-10	5.24E-10	4.72E-11	6.97E-10	1.04E-10	3.85E-10	3.39E-11	5.23E-10	1.18E-11	6.75E-11	8.06E-12	8.74E-11	1.07E-11	3.54E-11	2.44E-12	4.85E-11
1220	470782.46	3818588.65	1.23E-10	5.18E-10	4.66E-11	6.88E-10	1.03E-10	3.81E-10	3.35E-11	5.17E-10	1.16E-11	6.67E-11	7.96E-12	8.63E-11	1.06E-11	3.49E-11	2.41E-12	4.79E-11
1221	470791.2	3818592.4	1.22E-10	5.12E-10	4.61E-11	6.80E-10	1.01E-10	3.76E-10	3.31E-11	5.11E-10	1.15E-11	6.59E-11	7.86E-12	8.52E-11	1.05E-11	3.45E-11	2.38E-12	4.73E-11
1222	470799.94	3818596.15	1.20E-10	5.05E-10	4.55E-11	6.71E-10	1.00E-10	3.71E-10	3.27E-11	5.04E-10	1.14E-11	6.51E-11	7.76E-12	8.42E-11	1.03E-11	3.41E-11	2.35E-12	4.67E-11
1223	470808.68	3818599.9	1.19E-10	5.00E-10	4.50E-11	6.64E-10	9.91E-11	3.67E-10	3.23E-11	4.99E-10	1.12E-11	6.43E-11	7.67E-12	8.32E-11	1.02E-11	3.37E-11	2.32E-12	4.62E-11
1224	470817.41	3818603.65	1.18E-10	4.94E-10	4.45E-11	6.56E-10	9.80E-11	3.63E-10	3.19E-11	4.93E-10	1.11E-11	6.36E-11	7.59E-12	8.23E-11	1.01E-11	3.33E-11	2.30E-12	4.57E-11
1225	470826.15	3818607.4	1.17E-10	4.89E-10	4.41E-11	6.50E-10	9.70E-11	3.59E-10	3.16E-11	4.88E-10	1.10E-11	6.30E-11	7.51E-12	8.15E-11	1.00E-11	3.30E-11	2.27E-12	4.53E-11
1226	470834.89	3818611.15	1.15E-10	4.84E-10	4.36E-11	6.43E-10	9.61E-11	3.56E-10	3.13E-11	4.83E-10	1.09E-11	6.23E-11	7.44E-12	8.07E-11	9.90E-12	3.26E-11	2.25E-12	4.48E-11
1227	470843.62	3818614.9	1.14E-10	4.80E-10	4.32E-11	6.37E-10	9.52E-11	3.53E-10	3.10E-11	4.79E-10	1.08E-11	6.18E-11	7.37E-12	7.99E-11	9.81E-12	3.23E-11	2.23E-12	4.44E-11
1228	470852.36	3818618.65	1.13E-10	4.75E-10	4.28E-11	6.31E-10	9.43E-11	3.49E-10	3.07E-11	4.74E-10	1.07E-11	6.12E-11	7.30E-12	7.92E-11	9.72E-12	3.20E-11	2.21E-12	4.40E-11
1229	470861.1	3818622.4	1.12E-10	4.72E-10	4.25E-11	6.26E-10	9.35E-11	3.46E-10	3.05E-11	4.70E-10	1.06E-11	6.07E-11	7.24E-12	7.85E-11	9.64E-12	3.18E-11	2.19E-12	4.36E-11
1230	470869.83	3818626.15	1.11E-10	4.68E-10	4.22E-11	6.22E-10	9.28E-11	3.44E-10	3.03E-11	4.67E-10	1.05E-11	6.03E-11	7.19E-12	7.80E-11	9.57E-12	3.16E-11	2.17E-12	4.33E-11
1231	470878.57	3818629.9	1.11E-10	4.65E-10	4.19E-11	6.17E-10	9.22E-11	3.41E-10	3.00E-11	4.64E-10	1.04E-11	5.98E-11	7.14E-12	7.74E-11	9.50E-12	3.13E-11	2.16E-12	4.30E-11
1232	470887.31	3818633.65	1.10E-10	4.62E-10	4.16E-11	6.13E-10	9.16E-11	3.39E-10	2.99E-11	4.61E-10	1.04E-11	5.95E-11	7.09E-12	7.69E-11	9.44E-12	3.11E-11	2.15E-12	4.27E-11
1233	470899.59	3818646.22	1.11E-10	4.65E-10	4.19E-11	6.17E-10	9.22E-11	3.41E-10	3.00E-11	4.64E-10	1.04E-11	5.98E-11	7.14E-12	7.74E-11	9.50E-12	3.13E-11	2.16E-12	4.30E-11
1234	470903.14	3818655.04	1.12E-10	4.71E-10	4.24E-11	6.25E-10	9.34E-11	3.46E-10	3.04E-11	4.70E-10	1.06E-11	6.06E-11	7.23E-12	7.84E-11	9.62E-12	3.17E-11	2.19E-12	4.35E-11
1235	470906.69	3818663.86	1.14E-10	4.77E-10	4.30E-11	6.34E-10	9.46E-11	3.50E-10	3.08E-11	4.76E-10	1.07E-11	6.14E-11	7.33E-12	7.95E-11	9.75E-12	3.22E-11	2.22E-12	4.41E-11
1236	470910.24	3818672.67	1.15E-10	4.84E-10	4.36E-11	6.43E-10	9.60E-11	3.56E-10	3.13E-11	4.83E-10	1.09E-11	6.23E-11	7.43E-12	8.06E-11	9.89E-12	3.26E-11	2.25E-12	4.48E-11
1237	470913.8	3818681.49	1.17E-10	4.91E-10	4.42E-11	6.52E-10	9.74E-11	3.61E-10	3.17E-11	4.90E-10	1.10E-11	6.32E-11	7.54E-12	8.18E-11	1.00E-11	3.31E-11	2.28E-12	4.54E-11
1238	470917.35	3818690.31	1.19E-10	4.99E-10	4.49E-11	6.63E-10	9.90E-11	3.67E-10	3.22E-11	4.98E-10	1.12E-11	6.42E-11	7.66E-12	8.31E-11	1.02E-11	3.36E-11	2.32E-12	4.61E-11
1239	470920.9	3818699.13	1.21E-10	5.07E-10	4.57E-11	6.73E-10	1.01E-10	3.73E-10	3.28E-11	5.06E-10	1.14E-11	6.53E-11	7.79E-12	8.44E-11	1.04E-11	3.42E-11	2.36E-12	4.69E-11
1240	470924.45	3818707.95	1.23E-10	5.16E-10	4.64E-11	6.85E-10	1.02E-10	3.79E-10	3.33E-11	5.14E-10	1.16E-11	6.64E-11	7.92E-12	8.59E-11	1.05E-11	3.48E-11	2.40E-12	4.77E-11
1241	470928	3818716.77	1.25E-10	5.24E-10	4.72E-11	6.97E-10	1.04E-10	3.85E-10	3.39E-11	5.23E-10	1.18E-11	6.75E-11	8.06E-12	8.74E-11	1.07E-11	3.54E-11	2.44E-12	4.85E-11
1242	470931.55	3818725.59	1.27E-10	5.34E-10	4.81E-11	7.09E-10	1.06E-10	3.92E-10	3.45E-11	5.33E-10	1.20E-11	6.87E-11	8.20E-12	8.89E-11	1.09E-11	3.60E-11	2.48E-12	4.94E-11
1243	470935.1	3818734.41	1.29E-10	5.44E-10	4.90E-11	7.22E-10	1.08E-10	4.00E-10	3.52E-11	5.43E-10	1.22E-11	7.00E-11	8.35E-12	9.06E-11	1.11E-11	3.67E-11	2.53E-12	5.03E-11
1244	470938.65	3818743.23	1.32E-10	5.54E-10	4.99E-11	7.36E-10	1.10E-10	4.07E-10	3.58E-11	5.53E-10	1.25E-11	7.14E-11	8.52E-12	9.24E-11	1.13E-11	3.74E-11	2.58E-12	5.13E-11
1245	470942.2	3818752.05	1.35E-10	5.65E-10	5.09E-11	7.51E-10	1.12E-10	4.15E-10	3.65E-11	5.64E-10	1.27E-11	7.28E-11	8.68E-12	9.42E-11	1.16E-11	3.81E-11	2.63E-12	5.23E-11
1246	470945.75	3818760.87	1.37E-10	5.77E-10	5.19E-11	7.66E-10	1.14E-10	4.24E-10	3.73E-11	5.75E-10	1.30E-11	7.42E-11	8.86E-12	9.61E-11	1.18E-11	3.89E-11	2.68E-12	5.33E-11

1247	470949.3	3818769.69	1.40E-10	5.89E-10	5.30E-11	7.82E-10	1.17E-10	4.33E-10	3.81E-11	5.87E-10	1.32E-11	7.58E-11	9.04E-12	9.81E-11	1.20E-11	3.97E-11	2.74E-12	5.44E-11
1248	470952.85	3818778.51	1.43E-10	6.01E-10	5.41E-11	7.98E-10	1.19E-10	4.42E-10	3.88E-11	6.00E-10	1.35E-11	7.74E-11	9.23E-12	1.00E-10	1.23E-11	4.05E-11	2.79E-12	5.56E-11
1249	470956.4	3818787.33	1.46E-10	6.14E-10	5.53E-11	8.15E-10	1.22E-10	4.51E-10	3.97E-11	6.13E-10	1.38E-11	7.90E-11	9.43E-12	1.02E-10	1.26E-11	4.14E-11	2.85E-12	5.68E-11
1250	470959.95	3818796.15	1.49E-10	6.27E-10	5.65E-11	8.33E-10	1.24E-10	4.61E-10	4.05E-11	6.26E-10	1.41E-11	8.07E-11	9.63E-12	1.04E-10	1.28E-11	4.23E-11	2.91E-12	5.80E-11
1251	470963.5	3818804.97	1.53E-10	6.41E-10	5.78E-11	8.52E-10	1.27E-10	4.71E-10	4.15E-11	6.40E-10	1.44E-11	8.26E-11	9.85E-12	1.07E-10	1.31E-11	4.32E-11	2.98E-12	5.93E-11
1252	470967.06	3818813.79	1.56E-10	6.56E-10	5.91E-11	8.71E-10	1.30E-10	4.82E-10	4.24E-11	6.54E-10	1.47E-11	8.44E-11	1.01E-11	1.09E-10	1.34E-11	4.42E-11	3.05E-12	6.06E-11
1253	470970.61	3818822.61	1.60E-10	6.70E-10	6.04E-11	8.90E-10	1.33E-10	4.93E-10	4.33E-11	6.69E-10	1.51E-11	8.63E-11	1.03E-11	1.12E-10	1.37E-11	4.52E-11	3.11E-12	6.20E-11
1254	470974.16	3818831.43	1.63E-10	6.86E-10	6.18E-11	9.11E-10	1.36E-10	5.04E-10	4.43E-11	6.84E-10	1.54E-11	8.83E-11	1.05E-11	1.14E-10	1.40E-11	4.62E-11	3.19E-12	6.34E-11
1255	470977.71	3818840.25	1.67E-10	7.02E-10	6.32E-11	9.32E-10	1.39E-10	5.16E-10	4.54E-11	7.00E-10	1.58E-11	9.03E-11	1.08E-11	1.17E-10	1.43E-11	4.73E-11	3.26E-12	6.49E-11
1256	470981.26	3818849.07	1.71E-10	7.18E-10	6.47E-11	9.54E-10	1.42E-10	5.28E-10	4.64E-11	7.17E-10	1.62E-11	9.25E-11	1.10E-11	1.20E-10	1.47E-11	4.84E-11	3.34E-12	6.64E-11
1257	470984.81	3818857.88	1.75E-10	7.36E-10	6.62E-11	9.77E-10	1.46E-10	5.40E-10	4.75E-11	7.34E-10	1.65E-11	9.47E-11	1.13E-11	1.23E-10	1.50E-11	4.96E-11	3.42E-12	6.80E-11
1258	470988.36	3818866.7	1.79E-10	7.54E-10	6.79E-11	1.00E-09	1.49E-10	5.54E-10	4.87E-11	7.52E-10	1.69E-11	9.70E-11	1.16E-11	1.26E-10	1.54E-11	5.08E-11	3.50E-12	6.97E-11
1259	470991.91	3818875.52	1.84E-10	7.72E-10	6.95E-11	1.03E-09	1.53E-10	5.67E-10	4.99E-11	7.70E-10	1.74E-11	9.94E-11	1.19E-11	1.29E-10	1.58E-11	5.20E-11	3.59E-12	7.14E-11
1260	470995.46	3818884.34	1.88E-10	7.91E-10	7.12E-11	1.05E-09	1.57E-10	5.81E-10	5.11E-11	7.89E-10	1.78E-11	1.02E-10	1.21E-11	1.32E-10	1.62E-11	5.33E-11	3.67E-12	7.31E-11
1261	470999.01	3818893.16	1.93E-10	8.11E-10	7.30E-11	1.08E-09	1.61E-10	5.96E-10	5.24E-11	8.09E-10	1.82E-11	1.04E-10	1.25E-11	1.35E-10	1.66E-11	5.46E-11	3.77E-12	7.50E-11
1262	471002.56	3818901.98	1.98E-10	8.31E-10	7.48E-11	1.10E-09	1.65E-10	6.10E-10	5.37E-11	8.29E-10	1.87E-11	1.07E-10	1.28E-11	1.38E-10	1.70E-11	5.60E-11	3.86E-12	7.68E-11
1263	471006.11	3818910.8	2.03E-10	8.52E-10	7.67E-11	1.13E-09	1.69E-10	6.26E-10	5.51E-11	8.50E-10	1.92E-11	1.10E-10	1.31E-11	1.42E-10	1.74E-11	5.74E-11	3.96E-12	7.88E-11
1264	471009.66	3818919.62	2.08E-10	8.73E-10	7.86E-11	1.16E-09	1.73E-10	6.42E-10	5.64E-11	8.71E-10	1.96E-11	1.12E-10	1.34E-11	1.45E-10	1.78E-11	5.88E-11	4.06E-12	8.08E-11
1265	471013.21	3818928.44	2.13E-10	8.95E-10	8.06E-11	1.19E-09	1.78E-10	6.58E-10	5.79E-11	8.93E-10	2.01E-11	1.15E-10	1.37E-11	1.49E-10	1.83E-11	6.03E-11	4.16E-12	8.28E-11
1266	471016.76	3818937.26	2.19E-10	9.18E-10	8.26E-11	1.22E-09	1.82E-10	6.74E-10	5.93E-11	9.16E-10	2.06E-11	1.18E-10	1.41E-11	1.53E-10	1.88E-11	6.19E-11	4.26E-12	8.49E-11
1267	471020.32	3818946.08	2.24E-10	9.41E-10	8.48E-11	1.25E-09	1.87E-10	6.92E-10	6.08E-11	9.39E-10	2.12E-11	1.21E-10	1.45E-11	1.57E-10	1.92E-11	6.34E-11	4.37E-12	8.71E-11
1268	471023.87	3818954.9	2.30E-10	9.65E-10	8.69E-11	1.28E-09	1.91E-10	7.09E-10	6.24E-11	9.63E-10	2.17E-11	1.24E-10	1.48E-11	1.61E-10	1.97E-11	6.50E-11	4.48E-12	8.92E-11
1269	471027.42	3818963.72	2.36E-10	9.89E-10	8.91E-11	1.31E-09	1.96E-10	7.27E-10	6.39E-11	9.87E-10	2.22E-11	1.27E-10	1.52E-11	1.65E-10	2.02E-11	6.67E-11	4.60E-12	9.15E-11
1270	471030.97	3818972.54	2.41E-10	1.01E-09	9.13E-11	1.35E-09	2.01E-10	7.45E-10	6.55E-11	1.01E-09	2.28E-11	1.30E-10	1.56E-11	1.69E-10	2.07E-11	6.83E-11	4.71E-12	9.38E-11
1271	471034.52	3818981.36	2.47E-10	1.04E-09	9.35E-11	1.38E-09	2.06E-10	7.63E-10	6.71E-11	1.04E-09	2.34E-11	1.34E-10	1.60E-11	1.73E-10	2.12E-11	7.00E-11	4.83E-12	9.61E-11
1272	471038.07	3818990.18	2.53E-10	1.06E-09	9.58E-11	1.41E-09	2.11E-10	7.82E-10	6.88E-11	1.06E-09	2.39E-11	1.37E-10	1.63E-11	1.77E-10	2.18E-11	7.17E-11	4.95E-12	9.84E-11
1273	471048.72	3819016.64	2.72E-10	1.14E-09	1.03E-10	1.52E-09	2.27E-10	8.40E-10	7.39E-11	1.14E-09	2.57E-11	1.47E-10	1.76E-11	1.90E-10	2.34E-11	7.71E-11	5.31E-12	1.06E-10
1274	471052.27	3819025.46	2.79E-10	1.17E-09	1.05E-10	1.55E-09	2.32E-10	8.60E-10	7.57E-11	1.17E-09	2.63E-11	1.51E-10	1.80E-11	1.95E-10	2.39E-11	7.89E-11	5.44E-12	1.08E-10
1275	471055.82	3819034.28	2.85E-10	1.20E-09	1.08E-10	1.59E-09	2.38E-10	8.80E-10	7.74E-11	1.20E-09	2.69E-11	1.54E-10	1.84E-11	2.00E-10	2.45E-11	8.07E-11	5.57E-12	1.11E-10
1276	471059.37	3819043.09	2.92E-10	1.23E-09	1.10E-10	1.63E-09	2.43E-10	9.01E-10	7.92E-11	1.22E-09	2.76E-11	1.58E-10	1.88E-11	2.04E-10	2.51E-11	8.26E-11	5.69E-12	1.13E-10
1277	471062.92	3819051.91	2.98E-10	1.25E-09	1.13E-10	1.66E-09	2.49E-10	9.21E-10	8.10E-11	1.25E-09	2.82E-11	1.61E-10	1.92E-11	2.09E-10	2.56E-11	8.45E-11	5.82E-12	1.16E-10
1278	471066.47	3819060.73	3.05E-10	1.28E-09	1.15E-10	1.70E-09	2.54E-10	9.41E-10	8.28E-11	1.28E-09	2.88E-11	1.65E-10	1.97E-11	2.13E-10	2.62E-11	8.64E-11	5.95E-12	1.18E-10
1279	471070.02	3819069.55	3.12E-10	1.31E-09	1.18E-10	1.74E-09	2.60E-10	9.62E-10	8.46E-11	1.31E-09	2.94E-11	1.69E-10	2.01E-11	2.18E-10	2.68E-11	8.82E-11	6.08E-12	1.21E-10
1280	471073.58	3819078.37	3.18E-10	1.34E-09	1.20E-10	1.78E-09	2.65E-10	9.82E-10	8.64E-11	1.33E-09	3.01E-11	1.72E-10	2.05E-11	2.23E-10	2.73E-11	9.01E-11	6.21E-12	1.24E-10
1281	471077.13	3819087.19	3.25E-10	1.36E-09	1.23E-10	1.81E-09	2.71E-10	1.00E-09	8.82E-11	1.36E-09	3.07E-11	1.76E-10	2.10E-11	2.27E-10	2.79E-11	9.20E-11	6.34E-12	1.26E-10
1282	471080.68	3819096.01	3.31E-10	1.39E-09	1.25E-10	1.85E-09	2.76E-10	1.02E-09	9.00E-11	1.39E-09	3.13E-11	1.79E-10	2.14E-11	2.32E-10	2.85E-11	9.38E-11	6.47E-12	1.29E-10
1283	471084.23	3819104.83	3.38E-10	1.42E-09	1.28E-10	1.88E-09	2.81E-10	1.04E-09	9.17E-11	1.42E-09	3.19E-11	1.83E-10	2.18E-11	2.36E-10	2.90E-11	9.56E-11	6.59E-12	1.31E-10
1284	471087.78	3819113.65	3.44E-10	1.45E-09	1.30E-10	1.92E-09	2.87E-10	1.06E-09	9.34E-11	1.44E-09	3.25E-11	1.86E-10	2.22E-11	2.41E-10	2.95E-11	9.74E-11	6.72E-12	1.34E-10
1285	471091.33	3819122.47	3.51E-10	1.47E-09	1.33E-10	1.96E-09	2.92E-10	1.08E-09	9.52E-11	1.47E-09	3.31E-11	1.90E-10	2.26E-11	2.45E-10	3.01E-11	9.92E-11	6.84E-12	1.36E-10
1286	471094.88	3819131.29	3.57E-10	1.50E-09	1.35E-10	1.99E-09	2.97E-10	1.10E-09	9.69E-11	1.49E-09	3.37E-11	1.93E-10	2.30E-11	2.50E-10	3.06E-11	1.01E-10	6.96E-12	1.39E-10
1287	471105.53	3819157.75	3.74E-10	1.57E-09	1.42E-10	2.09E-09	3.12E-10	1.16E-09	1.02E-10	1.57E-09	3.54E-11	2.02E-10	2.41E-11	2.62E-10	3.21E-11	1.06E-10	7.30E-12	1.45E-10
1288	471109.08	3819166.57	3.80E-10	1.60E-09	1.44E-10	2.12E-09	3.16E-10	1.17E-09	1.03E-10	1.59E-09	3.59E-11	2.05E-10	2.45E-11	2.66E-10	3.26E-11	1.08E-10	7.41E-12	1.48E-10
1289	471112.63	3819175.39	3.85E-10	1.62E-09	1.46E-10	2.15E-09	3.21E-10	1.19E-09	1.05E-10	1.61E-09	3.64E-11	2.08E-10	2.49E-11	2.70E-10	3.31E-11	1.09E-10	7.52E-12	1.50E-10
1290	471116.18	3819184.21	3.90E-10	1.64E-09	1.48E-10	2.18E-09	3.25E-10	1.20E-09	1.06E-10	1.64E-09	3.69E-11	2.11E-10	2.52E-11	2.73E-10	3.35E-11	1.11E-10	7.62E-12	1.52E-10
1291	471119.73	3819193.03	3.95E-10	1.66E-09	1.50E-10	2.21E-09	3.29E-10	1.22E-09	1.07E-10	1.66E-09	3.73E-11	2.14E-10	2.55E-11	2.77E-10	3.39E-11	1.12E-10	7.71E-12	1.54E-10
1292	471123.29	3819201.85	4.00E-10	1.68E-09	1.51E-10	2.23E-09	3.33E-10	1.23E-09	1.09E-10	1.68E-09	3.78E-11	2.16E-10	2.58E-11	2.80E-10	3.43E-11	1.13E-10	7.81E-12	1.55E-10
1293	471126.84	3819210.67	4.05E-10	1.70E-09	1.53E-10	2.26E-09	3.37E-10	1.25E-09	1.10E-10	1.70E-09	3.82E-11	2.19E-10	2.61E-11	2.83E-10	3.47E-11	1.15E-10	7.89E-12	1.57E-10
1294	471130.39	3819219.49	4.09E-10	1.72E-09	1.55E-10	2.28E-09	3.40E-10	1.26E-09	1.11E-10	1.71E-09	3.86E-11	2.21E-10	2.64E-11	2.86E-10	3.51E-11	1.16E-10	7.98E-12	1.59E-10
1295	471133.94	3819228.3	4.13E-10	1.73E-09	1.56E-10	2.30E-09	3.44E-10	1.27E-09	1.12E-10	1.73E-09	3.90E-11	2.23E-10	2.66E-11	2.89E-10	3.54E-11	1.17E-10	8.05E-12	1.60E-10
1296	471137.49	3819237.12	4.16E-10	1.75E-09	1.57E-10	2.32E-09	3.47E-10	1.28E-09	1.13E-10	1.74E-09	3.93E-11	2.25E-10	2.69E-11	2.91E-10	3.57E-11	1.18E-10	8.12E-12	1.62E-10

1297	470293.21	3818378.66	2.40E-10	1.01E-09	9.08E-11	1.34E-09	2.00E-10	7.41E-10	6.52E-11	1.01E-09	2.27E-11	1.30E-10	1.55E-11	1.68E-10	2.06E-11	6.80E-11	4.69E-12	9.33E-11
1298	470283.65	3818378.52	2.44E-10	1.02E-09	9.22E-11	1.36E-09	2.03E-10	7.52E-10	6.62E-11	1.02E-09	2.30E-11	1.32E-10	1.57E-11	1.70E-10	2.09E-11	6.90E-11	4.75E-12	9.47E-11
1299	470274.09	3818378.39	2.47E-10	1.04E-09	9.35E-11	1.38E-09	2.06E-10	7.63E-10	6.71E-11	1.04E-09	2.33E-11	1.34E-10	1.59E-11	1.73E-10	2.12E-11	7.00E-11	4.82E-12	9.60E-11
1300	470264.52	3818378.25	2.51E-10	1.05E-09	9.48E-11	1.40E-09	2.09E-10	7.73E-10	6.80E-11	1.05E-09	2.37E-11	1.36E-10	1.62E-11	1.75E-10	2.15E-11	7.09E-11	4.89E-12	9.74E-11
1301	470254.96	3818378.12	2.54E-10	1.07E-09	9.60E-11	1.42E-09	2.11E-10	7.83E-10	6.89E-11	1.06E-09	2.40E-11	1.37E-10	1.64E-11	1.78E-10	2.18E-11	7.19E-11	4.95E-12	9.86E-11
1302	470245.4	3818377.98	2.57E-10	1.08E-09	9.71E-11	1.43E-09	2.14E-10	7.93E-10	6.97E-11	1.08E-09	2.43E-11	1.39E-10	1.66E-11	1.80E-10	2.21E-11	7.27E-11	5.01E-12	9.98E-11
1303	470235.84	3818377.85	2.60E-10	1.09E-09	9.82E-11	1.45E-09	2.16E-10	8.01E-10	7.05E-11	1.09E-09	2.45E-11	1.40E-10	1.67E-11	1.82E-10	2.23E-11	7.35E-11	5.07E-12	1.01E-10
1304	470226.27	3818377.71	2.62E-10	1.10E-09	9.91E-11	1.46E-09	2.18E-10	8.09E-10	7.12E-11	1.10E-09	2.48E-11	1.42E-10	1.69E-11	1.83E-10	2.25E-11	7.42E-11	5.12E-12	1.02E-10
1305	470216.71	3818377.58	2.64E-10	1.11E-09	1.00E-10	1.47E-09	2.20E-10	8.16E-10	7.18E-11	1.11E-09	2.50E-11	1.43E-10	1.71E-11	1.85E-10	2.27E-11	7.48E-11	5.16E-12	1.03E-10
1306	470207.15	3818377.44	2.66E-10	1.12E-09	1.01E-10	1.49E-09	2.22E-10	8.22E-10	7.23E-11	1.12E-09	2.52E-11	1.44E-10	1.72E-11	1.86E-10	2.29E-11	7.54E-11	5.20E-12	1.03E-10
1307	470197.59	3818377.31	2.68E-10	1.13E-09	1.01E-10	1.50E-09	2.23E-10	8.27E-10	7.28E-11	1.12E-09	2.53E-11	1.45E-10	1.73E-11	1.88E-10	2.30E-11	7.59E-11	5.23E-12	1.04E-10
1308	470188.03	3818377.17	2.70E-10	1.13E-09	1.02E-10	1.50E-09	2.25E-10	8.32E-10	7.32E-11	1.13E-09	2.55E-11	1.46E-10	1.74E-11	1.89E-10	2.31E-11	7.63E-11	5.26E-12	1.05E-10
1309	470178.46	3818377.04	2.71E-10	1.14E-09	1.02E-10	1.51E-09	2.25E-10	8.35E-10	7.35E-11	1.13E-09	2.56E-11	1.46E-10	1.75E-11	1.89E-10	2.32E-11	7.66E-11	5.28E-12	1.05E-10
1310	470168.9	3818376.9	2.78E-10	1.17E-09	1.05E-10	1.55E-09	2.32E-10	8.58E-10	7.55E-11	1.17E-09	2.63E-11	1.50E-10	1.79E-11	1.95E-10	2.39E-11	7.87E-11	5.43E-12	1.08E-10
1311	470159.34	3818376.77	2.79E-10	1.17E-09	1.06E-10	1.56E-09	2.33E-10	8.62E-10	7.58E-11	1.17E-09	2.64E-11	1.51E-10	1.80E-11	1.95E-10	2.40E-11	7.90E-11	5.45E-12	1.08E-10
1312	470149.78	3818376.63	2.80E-10	1.18E-09	1.06E-10	1.56E-09	2.33E-10	8.64E-10	7.60E-11	1.17E-09	2.64E-11	1.51E-10	1.81E-11	1.96E-10	2.40E-11	7.92E-11	5.46E-12	1.09E-10
1313	470140.21	3818376.5	2.80E-10	1.18E-09	1.06E-10	1.56E-09	2.33E-10	8.65E-10	7.61E-11	1.17E-09	2.65E-11	1.52E-10	1.81E-11	1.96E-10	2.41E-11	7.93E-11	5.47E-12	1.09E-10
1314	470130.65	3818376.36	2.80E-10	1.18E-09	1.06E-10	1.56E-09	2.33E-10	8.65E-10	7.61E-11	1.17E-09	2.65E-11	1.51E-10	1.81E-11	1.96E-10	2.41E-11	7.93E-11	5.47E-12	1.09E-10
1315	470121.09	3818376.23	2.80E-10	1.17E-09	1.06E-10	1.56E-09	2.33E-10	8.63E-10	7.59E-11	1.17E-09	2.64E-11	1.51E-10	1.80E-11	1.96E-10	2.40E-11	7.91E-11	5.46E-12	1.09E-10
1316	470680.9	3818464.58	1.29E-10	5.42E-10	4.88E-11	7.19E-10	1.07E-10	3.98E-10	3.50E-11	5.40E-10	1.22E-11	6.97E-11	8.32E-12	9.02E-11	1.11E-11	3.65E-11	2.52E-12	5.01E-11
1317	470689.69	3818468.35	1.27E-10	5.35E-10	4.81E-11	7.10E-10	1.06E-10	3.93E-10	3.46E-11	5.33E-10	1.20E-11	6.88E-11	8.21E-12	8.91E-11	1.09E-11	3.60E-11	2.48E-12	4.94E-11
1318	470698.47	3818472.12	1.26E-10	5.28E-10	4.75E-11	7.01E-10	1.05E-10	3.88E-10	3.41E-11	5.26E-10	1.19E-11	6.79E-11	8.10E-12	8.79E-11	1.08E-11	3.56E-11	2.45E-12	4.88E-11
1319	470707.26	3818475.89	1.24E-10	5.20E-10	4.69E-11	6.91E-10	1.03E-10	3.82E-10	3.36E-11	5.19E-10	1.17E-11	6.70E-11	7.99E-12	8.67E-11	1.06E-11	3.51E-11	2.42E-12	4.81E-11
1320	470716.04	3818479.66	1.22E-10	5.14E-10	4.62E-11	6.82E-10	1.02E-10	3.77E-10	3.32E-11	5.12E-10	1.15E-11	6.61E-11	7.89E-12	8.55E-11	1.05E-11	3.46E-11	2.39E-12	4.75E-11
1321	470724.83	3818483.43	1.21E-10	5.06E-10	4.56E-11	6.73E-10	1.00E-10	3.72E-10	3.27E-11	5.05E-10	1.14E-11	6.52E-11	7.78E-12	8.44E-11	1.04E-11	3.41E-11	2.35E-12	4.68E-11
1322	470733.61	3818487.2	1.19E-10	4.99E-10	4.50E-11	6.63E-10	9.91E-11	3.67E-10	3.23E-11	4.98E-10	1.12E-11	6.43E-11	7.67E-12	8.32E-11	1.02E-11	3.37E-11	2.32E-12	4.62E-11
1323	470742.4	3818490.97	1.17E-10	4.93E-10	4.44E-11	6.54E-10	9.77E-11	3.62E-10	3.18E-11	4.92E-10	1.11E-11	6.34E-11	7.57E-12	8.21E-11	1.01E-11	3.32E-11	2.29E-12	4.56E-11
1324	470751.18	3818494.75	1.16E-10	4.86E-10	4.38E-11	6.46E-10	9.64E-11	3.57E-10	3.14E-11	4.85E-10	1.09E-11	6.26E-11	7.47E-12	8.10E-11	9.94E-12	3.28E-11	2.26E-12	4.50E-11
1325	470759.97	3818498.52	1.14E-10	4.80E-10	4.32E-11	6.37E-10	9.51E-11	3.52E-10	3.10E-11	4.79E-10	1.08E-11	6.17E-11	7.37E-12	7.99E-11	9.80E-12	3.23E-11	2.23E-12	4.44E-11
1326	470768.75	3818502.29	1.13E-10	4.73E-10	4.26E-11	6.28E-10	9.38E-11	3.48E-10	3.06E-11	4.72E-10	1.06E-11	6.09E-11	7.27E-12	7.88E-11	9.67E-12	3.19E-11	2.20E-12	4.38E-11
1327	470777.54	3818506.06	1.11E-10	4.67E-10	4.20E-11	6.20E-10	9.25E-11	3.43E-10	3.02E-11	4.66E-10	1.05E-11	6.01E-11	7.17E-12	7.77E-11	9.54E-12	3.14E-11	2.17E-12	4.32E-11
1328	470786.33	3818509.83	1.10E-10	4.61E-10	4.15E-11	6.12E-10	9.13E-11	3.38E-10	2.98E-11	4.60E-10	1.04E-11	5.93E-11	7.07E-12	7.67E-11	9.41E-12	3.10E-11	2.14E-12	4.26E-11
1329	470839.04	3818532.45	1.02E-10	4.27E-10	3.85E-11	5.68E-10	8.48E-11	3.14E-10	2.76E-11	4.26E-10	9.61E-12	5.50E-11	6.56E-12	7.12E-11	8.74E-12	2.88E-11	1.99E-12	3.95E-11
1330	470847.82	3818536.22	1.01E-10	4.22E-10	3.80E-11	5.61E-10	8.38E-11	3.10E-10	2.73E-11	4.22E-10	9.50E-12	5.44E-11	6.49E-12	7.04E-11	8.64E-12	2.85E-11	1.96E-12	3.91E-11
1331	470856.61	3818539.99	9.95E-11	4.18E-10	3.76E-11	5.55E-10	8.29E-11	3.07E-10	2.70E-11	4.17E-10	9.39E-12	5.38E-11	6.42E-12	6.96E-11	8.54E-12	2.82E-11	1.94E-12	3.86E-11
1332	470865.39	3818543.77	9.84E-11	4.13E-10	3.72E-11	5.49E-10	8.20E-11	3.04E-10	2.67E-11	4.12E-10	9.29E-12	5.32E-11	6.35E-12	6.88E-11	8.45E-12	2.79E-11	1.92E-12	3.82E-11
1333	470874.18	3818547.54	9.74E-11	4.09E-10	3.68E-11	5.43E-10	8.11E-11	3.01E-10	2.64E-11	4.08E-10	9.20E-12	5.27E-11	6.28E-12	6.82E-11	8.36E-12	2.76E-11	1.90E-12	3.78E-11
1334	470882.97	3818551.31	9.65E-11	4.05E-10	3.65E-11	5.38E-10	8.04E-11	2.98E-10	2.62E-11	4.04E-10	9.11E-12	5.22E-11	6.22E-12	6.75E-11	8.28E-12	2.73E-11	1.88E-12	3.75E-11
1335	470891.75	3818555.08	9.56E-11	4.02E-10	3.62E-11	5.33E-10	7.96E-11	2.95E-10	2.60E-11	4.01E-10	9.03E-12	5.17E-11	6.17E-12	6.69E-11	8.21E-12	2.71E-11	1.87E-12	3.71E-11
1336	470900.54	3818558.85	9.48E-11	3.98E-10	3.59E-11	5.29E-10	7.90E-11	2.93E-10	2.57E-11	3.97E-10	8.95E-12	5.13E-11	6.12E-12	6.63E-11	8.14E-12	2.68E-11	1.85E-12	3.68E-11
1337	470909.32	3818562.62	9.40E-11	3.95E-10	3.56E-11	5.24E-10	7.83E-11	2.90E-10	2.55E-11	3.94E-10	8.88E-12	5.08E-11	6.06E-12	6.58E-11	8.07E-12	2.66E-11	1.83E-12	3.65E-11
1338	470918.11	3818566.39	9.33E-11	3.92E-10	3.53E-11	5.21E-10	7.77E-11	2.88E-10	2.53E-11	3.91E-10	8.81E-12	5.05E-11	6.02E-12	6.53E-11	8.01E-12	2.64E-11	1.82E-12	3.62E-11
1339	470926.89	3818570.16	9.26E-11	3.89E-10	3.50E-11	5.17E-10	7.72E-11	2.86E-10	2.51E-11	3.88E-10	8.75E-12	5.01E-11	5.98E-12	6.48E-11	7.95E-12	2.62E-11	1.81E-12	3.60E-11
1340	470935.68	3818573.93	9.21E-11	3.87E-10	3.48E-11	5.14E-10	7.67E-11	2.84E-10	2.50E-11	3.86E-10	8.70E-12	4.98E-11	5.94E-12	6.44E-11	7.90E-12	2.61E-11	1.80E-12	3.58E-11
1341	470944.46	3818577.7	9.15E-11	3.84E-10	3.46E-11	5.10E-10	7.62E-11	2.82E-10	2.48E-11	3.83E-10	8.64E-12	4.95E-11	5.90E-12	6.40E-11	7.86E-12	2.59E-11	1.79E-12	3.55E-11
1342	470956.82	3818590.34	9.21E-11	3.87E-10	3.48E-11	5.14E-10	7.67E-11	2.84E-10	2.50E-11	3.86E-10	8.70E-12	4.98E-11	5.94E-12	6.44E-11	7.90E-12	2.61E-11	1.80E-12	3.58E-11
1343	470960.39	3818599.21	9.31E-11	3.91E-10	3.52E-11	5.19E-10	7.76E-11	2.87E-10	2.53E-11	3.90E-10	8.80E-12	5.03E-11	6.01E-12	6.52E-11	8.00E-12	2.64E-11	1.82E-12	3.62E-11
1344	470963.96	3818608.08	9.43E-11	3.96E-10	3.57E-11	5.26E-10	7.86E-11	2.91E-10	2.56E-11	3.95E-10	8.91E-12	5.10E-11	6.08E-12	6.60E-11	8.10E-12	2.67E-11	1.84E-12	3.66E-11
1345	470967.53	3818616.95	9.56E-11	4.01E-10	3.61E-11	5.33E-10	7.96E-11	2.95E-10	2.59E-11	4.00E-10	9.02E-12	5.17E-11	6.16E-12	6.68E-11	8.20E-12	2.70E-11	1.86E-12	3.71E-11
1346	470971.1	3818625.82	9.68E-11	4.07E-10	3.66E-11	5.40E-10	8.06E-11	2.99E-10	2.63E-11	4.06E-10	9.14E-12	5.23E-11	6.24E-12	6.77E-11	8.31E-12	2.74E-11	1.89E-12	3.76E-11

1347	470974.67	3818634.69	9.82E-11	4.13E-10	3.72E-11	5.48E-10	8.18E-11	3.03E-10	2.67E-11	4.12E-10	9.28E-12	5.31E-11	6.34E-12	6.87E-11	8.43E-12	2.78E-11	1.92E-12	3.82E-11
1348	470978.24	3818643.55	9.97E-11	4.19E-10	3.77E-11	5.56E-10	8.30E-11	3.08E-10	2.71E-11	4.18E-10	9.41E-12	5.39E-11	6.43E-12	6.97E-11	8.56E-12	2.82E-11	1.94E-12	3.87E-11
1349	470981.81	3818652.42	1.01E-10	4.25E-10	3.83E-11	5.65E-10	8.43E-11	3.12E-10	2.75E-11	4.24E-10	9.56E-12	5.47E-11	6.53E-12	7.08E-11	8.69E-12	2.86E-11	1.97E-12	3.93E-11
1350	470985.38	3818661.29	1.03E-10	4.32E-10	3.89E-11	5.74E-10	8.57E-11	3.17E-10	2.79E-11	4.31E-10	9.71E-12	5.56E-11	6.63E-12	7.19E-11	8.83E-12	2.91E-11	2.01E-12	3.99E-11
1351	470988.95	3818670.16	1.05E-10	4.39E-10	3.95E-11	5.83E-10	8.71E-11	3.22E-10	2.84E-11	4.38E-10	9.87E-12	5.65E-11	6.74E-12	7.31E-11	8.97E-12	2.96E-11	2.04E-12	4.06E-11
1352	470992.52	3818679.03	1.06E-10	4.46E-10	4.02E-11	5.93E-10	8.86E-11	3.28E-10	2.89E-11	4.45E-10	1.00E-11	5.75E-11	6.86E-12	7.44E-11	9.13E-12	3.01E-11	2.07E-12	4.13E-11
1353	470996.09	3818687.9	1.08E-10	4.54E-10	4.09E-11	6.03E-10	9.01E-11	3.34E-10	2.94E-11	4.53E-10	1.02E-11	5.85E-11	6.98E-12	7.57E-11	9.29E-12	3.06E-11	2.11E-12	4.20E-11
1354	470999.67	3818696.77	1.10E-10	4.63E-10	4.17E-11	6.14E-10	9.18E-11	3.40E-10	2.99E-11	4.62E-10	1.04E-11	5.96E-11	7.11E-12	7.71E-11	9.46E-12	3.12E-11	2.15E-12	4.28E-11
1355	471003.24	3818705.64	1.12E-10	4.71E-10	4.24E-11	6.26E-10	9.35E-11	3.46E-10	3.05E-11	4.70E-10	1.06E-11	6.07E-11	7.24E-12	7.85E-11	9.63E-12	3.18E-11	2.19E-12	4.36E-11
1356	471006.81	3818714.5	1.14E-10	4.80E-10	4.32E-11	6.38E-10	9.52E-11	3.53E-10	3.10E-11	4.79E-10	1.08E-11	6.18E-11	7.37E-12	8.00E-11	9.81E-12	3.24E-11	2.23E-12	4.44E-11
1357	471010.38	3818723.37	1.17E-10	4.90E-10	4.41E-11	6.50E-10	9.71E-11	3.60E-10	3.16E-11	4.88E-10	1.10E-11	6.30E-11	7.52E-12	8.15E-11	1.00E-11	3.30E-11	2.27E-12	4.53E-11
1358	471013.95	3818732.24	1.19E-10	4.99E-10	4.50E-11	6.63E-10	9.91E-11	3.67E-10	3.23E-11	4.98E-10	1.12E-11	6.43E-11	7.67E-12	8.32E-11	1.02E-11	3.37E-11	2.32E-12	4.62E-11
1359	471017.52	3818741.11	1.21E-10	5.10E-10	4.59E-11	6.77E-10	1.01E-10	3.74E-10	3.29E-11	5.08E-10	1.15E-11	6.56E-11	7.83E-12	8.49E-11	1.04E-11	3.43E-11	2.37E-12	4.71E-11
1360	471021.09	3818749.98	1.24E-10	5.20E-10	4.69E-11	6.91E-10	1.03E-10	3.82E-10	3.36E-11	5.19E-10	1.17E-11	6.70E-11	7.99E-12	8.67E-11	1.06E-11	3.51E-11	2.42E-12	4.81E-11
1361	471024.66	3818758.85	1.26E-10	5.31E-10	4.78E-11	7.05E-10	1.05E-10	3.90E-10	3.43E-11	5.30E-10	1.19E-11	6.84E-11	8.16E-12	8.84E-11	1.09E-11	3.58E-11	2.47E-12	4.91E-11
1362	471028.23	3818767.72	1.29E-10	5.42E-10	4.88E-11	7.20E-10	1.08E-10	3.98E-10	3.50E-11	5.41E-10	1.22E-11	6.98E-11	8.33E-12	9.03E-11	1.11E-11	3.65E-11	2.52E-12	5.01E-11
1363	471031.8	3818776.59	1.32E-10	5.54E-10	4.99E-11	7.36E-10	1.10E-10	4.07E-10	3.58E-11	5.53E-10	1.25E-11	7.13E-11	8.51E-12	9.23E-11	1.13E-11	3.73E-11	2.57E-12	5.12E-11
1364	471035.37	3818785.45	1.35E-10	5.66E-10	5.09E-11	7.51E-10	1.12E-10	4.16E-10	3.66E-11	5.64E-10	1.27E-11	7.28E-11	8.69E-12	9.42E-11	1.16E-11	3.81E-11	2.63E-12	5.23E-11
1365	471038.94	3818794.32	1.38E-10	5.78E-10	5.21E-11	7.68E-10	1.15E-10	4.25E-10	3.74E-11	5.77E-10	1.30E-11	7.44E-11	8.88E-12	9.63E-11	1.18E-11	3.90E-11	2.69E-12	5.35E-11
1366	471042.51	3818803.19	1.41E-10	5.91E-10	5.32E-11	7.85E-10	1.17E-10	4.34E-10	3.82E-11	5.89E-10	1.33E-11	7.60E-11	9.07E-12	9.84E-11	1.21E-11	3.98E-11	2.74E-12	5.46E-11
1367	471046.08	3818812.06	1.44E-10	6.04E-10	5.44E-11	8.02E-10	1.20E-10	4.44E-10	3.90E-11	6.02E-10	1.36E-11	7.77E-11	9.27E-12	1.01E-10	1.23E-11	4.07E-11	2.81E-12	5.58E-11
1368	471049.65	3818820.93	1.47E-10	6.17E-10	5.56E-11	8.20E-10	1.22E-10	4.53E-10	3.99E-11	6.16E-10	1.39E-11	7.94E-11	9.48E-12	1.03E-10	1.26E-11	4.16E-11	2.87E-12	5.71E-11
1369	471053.22	3818829.8	1.50E-10	6.31E-10	5.68E-11	8.38E-10	1.25E-10	4.63E-10	4.08E-11	6.29E-10	1.42E-11	8.12E-11	9.69E-12	1.05E-10	1.29E-11	4.25E-11	2.93E-12	5.83E-11
1370	471056.79	3818838.67	1.54E-10	6.45E-10	5.81E-11	8.57E-10	1.28E-10	4.74E-10	4.17E-11	6.44E-10	1.45E-11	8.30E-11	9.91E-12	1.07E-10	1.32E-11	4.35E-11	3.00E-12	5.97E-11
1371	471060.36	3818847.54	1.57E-10	6.60E-10	5.94E-11	8.76E-10	1.31E-10	4.85E-10	4.27E-11	6.58E-10	1.48E-11	8.49E-11	1.01E-11	1.10E-10	1.35E-11	4.45E-11	3.07E-12	6.10E-11
1372	471063.93	3818856.4	1.61E-10	6.75E-10	6.08E-11	8.97E-10	1.34E-10	4.96E-10	4.36E-11	6.74E-10	1.52E-11	8.69E-11	1.04E-11	1.12E-10	1.38E-11	4.55E-11	3.14E-12	6.24E-11
1373	471067.5	3818865.27	1.65E-10	6.91E-10	6.22E-11	9.18E-10	1.37E-10	5.08E-10	4.47E-11	6.89E-10	1.55E-11	8.89E-11	1.06E-11	1.15E-10	1.41E-11	4.66E-11	3.21E-12	6.39E-11
1374	471071.07	3818874.14	1.68E-10	7.07E-10	6.37E-11	9.40E-10	1.40E-10	5.20E-10	4.57E-11	7.06E-10	1.59E-11	9.11E-11	1.09E-11	1.18E-10	1.45E-11	4.77E-11	3.29E-12	6.54E-11
1375	471074.65	3818883.01	1.72E-10	7.24E-10	6.52E-11	9.62E-10	1.44E-10	5.32E-10	4.68E-11	7.23E-10	1.63E-11	9.32E-11	1.11E-11	1.21E-10	1.48E-11	4.88E-11	3.37E-12	6.70E-11
1376	471078.22	3818891.88	1.77E-10	7.42E-10	6.68E-11	9.85E-10	1.47E-10	5.45E-10	4.79E-11	7.40E-10	1.67E-11	9.55E-11	1.14E-11	1.24E-10	1.52E-11	5.00E-11	3.45E-12	6.86E-11
1377	471081.79	3818900.75	1.81E-10	7.59E-10	6.84E-11	1.01E-09	1.51E-10	5.58E-10	4.91E-11	7.58E-10	1.71E-11	9.77E-11	1.17E-11	1.26E-10	1.55E-11	5.12E-11	3.53E-12	7.02E-11
1378	471085.36	3818909.62	1.85E-10	7.77E-10	7.00E-11	1.03E-09	1.54E-10	5.71E-10	5.02E-11	7.75E-10	1.75E-11	1.00E-10	1.19E-11	1.29E-10	1.59E-11	5.24E-11	3.61E-12	7.19E-11
1379	471088.93	3818918.49	1.89E-10	7.95E-10	7.16E-11	1.06E-09	1.58E-10	5.84E-10	5.14E-11	7.94E-10	1.79E-11	1.02E-10	1.22E-11	1.32E-10	1.63E-11	5.36E-11	3.70E-12	7.36E-11
1380	471092.5	3818927.35	1.94E-10	8.14E-10	7.33E-11	1.08E-09	1.61E-10	5.98E-10	5.26E-11	8.12E-10	1.83E-11	1.05E-10	1.25E-11	1.36E-10	1.66E-11	5.49E-11	3.78E-12	7.53E-11
1381	471096.07	3818936.22	1.98E-10	8.33E-10	7.50E-11	1.11E-09	1.65E-10	6.12E-10	5.39E-11	8.31E-10	1.87E-11	1.07E-10	1.28E-11	1.39E-10	1.70E-11	5.62E-11	3.87E-12	7.71E-11
1382	471106.78	3818962.83	2.13E-10	8.93E-10	8.04E-11	1.19E-09	1.77E-10	6.56E-10	5.77E-11	8.91E-10	2.01E-11	1.15E-10	1.37E-11	1.49E-10	1.82E-11	6.02E-11	4.15E-12	8.26E-11
1383	471110.35	3818971.7	2.17E-10	9.13E-10	8.22E-11	1.21E-09	1.81E-10	6.71E-10	5.90E-11	9.11E-10	2.05E-11	1.18E-10	1.40E-11	1.52E-10	1.87E-11	6.15E-11	4.24E-12	8.44E-11
1384	471113.92	3818980.57	2.22E-10	9.34E-10	8.41E-11	1.24E-09	1.85E-10	6.86E-10	6.04E-11	9.32E-10	2.10E-11	1.20E-10	1.43E-11	1.56E-10	1.91E-11	6.30E-11	4.34E-12	8.64E-11
1385	471117.49	3818989.44	2.27E-10	9.55E-10	8.60E-11	1.27E-09	1.89E-10	7.02E-10	6.17E-11	9.53E-10	2.15E-11	1.23E-10	1.47E-11	1.59E-10	1.95E-11	6.44E-11	4.44E-12	8.84E-11
1386	471121.06	3818998.3	2.33E-10	9.77E-10	8.80E-11	1.30E-09	1.94E-10	7.18E-10	6.31E-11	9.75E-10	2.20E-11	1.26E-10	1.50E-11	1.63E-10	2.00E-11	6.58E-11	4.54E-12	9.04E-11
1387	471124.63	3819007.17	2.38E-10	9.99E-10	9.00E-11	1.33E-09	1.98E-10	7.34E-10	6.46E-11	9.97E-10	2.25E-11	1.29E-10	1.53E-11	1.66E-10	2.04E-11	6.73E-11	4.64E-12	9.24E-11
1388	471128.2	3819016.04	2.43E-10	1.02E-09	9.19E-11	1.36E-09	2.02E-10	7.50E-10	6.60E-11	1.02E-09	2.30E-11	1.31E-10	1.57E-11	1.70E-10	2.09E-11	6.88E-11	4.74E-12	9.44E-11
1389	471131.77	3819024.91	2.48E-10	1.04E-09	9.39E-11	1.39E-09	2.07E-10	7.66E-10	6.74E-11	1.04E-09	2.35E-11	1.34E-10	1.60E-11	1.74E-10	2.13E-11	7.03E-11	4.85E-12	9.65E-11
1390	471135.34	3819033.78	2.54E-10	1.07E-09	9.59E-11	1.41E-09	2.11E-10	7.83E-10	6.88E-11	1.06E-09	2.39E-11	1.37E-10	1.64E-11	1.77E-10	2.18E-11	7.18E-11	4.95E-12	9.85E-11
1391	471138.91	3819042.65	2.59E-10	1.09E-09	9.79E-11	1.44E-09	2.16E-10	7.99E-10	7.03E-11	1.09E-09	2.45E-11	1.40E-10	1.67E-11	1.81E-10	2.22E-11	7.33E-11	5.05E-12	1.01E-10
1392	471142.48	3819051.52	2.64E-10	1.11E-09	1.00E-10	1.47E-09	2.20E-10	8.16E-10	7.18E-11	1.11E-09	2.50E-11	1.43E-10	1.70E-11	1.85E-10	2.27E-11	7.48E-11	5.16E-12	1.03E-10
1393	471146.06	3819060.39	2.70E-10	1.13E-09	1.02E-10	1.50E-09	2.25E-10	8.32E-10	7.32E-11	1.13E-09	2.55E-11	1.46E-10	1.74E-11	1.89E-10	2.31E-11	7.63E-11	5.26E-12	1.05E-10
1394	471149.63	3819069.25	2.75E-10	1.15E-09	1.04E-10	1.53E-09	2.29E-10	8.48E-10	7.46E-11	1.15E-09	2.60E-11	1.49E-10	1.77E-11	1.92E-10	2.36E-11	7.78E-11	5.36E-12	1.07E-10
1395	471153.2	3819078.12	2.80E-10	1.18E-09	1.06E-10	1.56E-09	2.33E-10	8.65E-10	7.61E-11	1.17E-09	2.65E-11	1.51E-10	1.81E-11	1.96E-10	2.41E-11	7.93E-11	5.47E-12	1.09E-10
1396	471156.77	3819086.99	2.85E-10	1.20E-09	1.08E-10	1.59E-09	2.38E-10	8.80E-10	7.74E-11	1.20E-09	2.69E-11	1.54E-10	1.84E-11	2.00E-10	2.45E-11	8.08E-11	5.57E-12	1.11E-10

1397	471160.34	3819095.86	2.90E-10	1.22E-09	1.10E-10	1.62E-09	2.42E-10	8.96E-10	7.88E-11	1.22E-09	2.74E-11	1.57E-10	1.87E-11	2.03E-10	2.49E-11	8.22E-11	5.67E-12	1.13E-10
1398	471163.91	3819104.73	2.96E-10	1.24E-09	1.12E-10	1.65E-09	2.46E-10	9.12E-10	8.02E-11	1.24E-09	2.79E-11	1.60E-10	1.91E-11	2.07E-10	2.54E-11	8.37E-11	5.77E-12	1.15E-10
1399	471167.48	3819113.6	3.01E-10	1.26E-09	1.14E-10	1.68E-09	2.50E-10	9.28E-10	8.16E-11	1.26E-09	2.84E-11	1.63E-10	1.94E-11	2.10E-10	2.58E-11	8.51E-11	5.87E-12	1.17E-10
1400	471171.05	3819122.47	3.06E-10	1.28E-09	1.16E-10	1.70E-09	2.54E-10	9.43E-10	8.29E-11	1.28E-09	2.88E-11	1.65E-10	1.97E-11	2.14E-10	2.62E-11	8.65E-11	5.96E-12	1.19E-10
1401	471174.62	3819131.34	3.10E-10	1.30E-09	1.17E-10	1.73E-09	2.59E-10	9.58E-10	8.43E-11	1.30E-09	2.93E-11	1.68E-10	2.00E-11	2.17E-10	2.66E-11	8.79E-11	6.06E-12	1.21E-10
1402	471185.33	3819157.94	3.24E-10	1.36E-09	1.23E-10	1.81E-09	2.70E-10	1.00E-09	8.80E-11	1.36E-09	3.06E-11	1.75E-10	2.09E-11	2.27E-10	2.78E-11	9.18E-11	6.33E-12	1.26E-10
1403	471188.9	3819166.81	3.28E-10	1.38E-09	1.24E-10	1.83E-09	2.74E-10	1.01E-09	8.92E-11	1.38E-09	3.10E-11	1.78E-10	2.12E-11	2.30E-10	2.82E-11	9.30E-11	6.41E-12	1.28E-10
1404	471192.47	3819175.68	3.33E-10	1.40E-09	1.26E-10	1.86E-09	2.77E-10	1.03E-09	9.03E-11	1.39E-09	3.14E-11	1.80E-10	2.15E-11	2.33E-10	2.86E-11	9.42E-11	6.49E-12	1.29E-10
1405	471196.04	3819184.55	3.37E-10	1.41E-09	1.27E-10	1.88E-09	2.80E-10	1.04E-09	9.14E-11	1.41E-09	3.18E-11	1.82E-10	2.17E-11	2.35E-10	2.89E-11	9.53E-11	6.57E-12	1.31E-10
1406	471199.61	3819193.42	3.40E-10	1.43E-09	1.29E-10	1.90E-09	2.84E-10	1.05E-09	9.24E-11	1.43E-09	3.22E-11	1.84E-10	2.20E-11	2.38E-10	2.92E-11	9.64E-11	6.64E-12	1.32E-10
1407	471203.18	3819202.29	3.44E-10	1.45E-09	1.30E-10	1.92E-09	2.87E-10	1.06E-09	9.34E-11	1.44E-09	3.25E-11	1.86E-10	2.22E-11	2.41E-10	2.95E-11	9.74E-11	6.71E-12	1.34E-10
1408	471206.75	3819211.15	3.48E-10	1.46E-09	1.31E-10	1.94E-09	2.90E-10	1.07E-09	9.44E-11	1.46E-09	3.28E-11	1.88E-10	2.24E-11	2.43E-10	2.98E-11	9.84E-11	6.78E-12	1.35E-10
1409	471210.32	3819220.02	3.51E-10	1.47E-09	1.33E-10	1.96E-09	2.92E-10	1.08E-09	9.52E-11	1.47E-09	3.31E-11	1.90E-10	2.26E-11	2.45E-10	3.01E-11	9.93E-11	6.85E-12	1.36E-10
1410	471213.89	3819228.89	3.54E-10	1.49E-09	1.34E-10	1.97E-09	2.95E-10	1.09E-09	9.61E-11	1.48E-09	3.34E-11	1.91E-10	2.28E-11	2.48E-10	3.04E-11	1.00E-10	6.90E-12	1.37E-10
1411	471217.46	3819237.76	3.57E-10	1.50E-09	1.35E-10	1.99E-09	2.97E-10	1.10E-09	9.68E-11	1.49E-09	3.37E-11	1.93E-10	2.30E-11	2.49E-10	3.06E-11	1.01E-10	6.96E-12	1.39E-10
1412	470284.78	3818298.53	2.08E-10	8.72E-10	7.85E-11	1.16E-09	1.73E-10	6.41E-10	5.64E-11	8.70E-10	1.96E-11	1.12E-10	1.34E-11	1.45E-10	1.78E-11	5.88E-11	4.05E-12	8.06E-11
1413	470275.22	3818298.39	2.10E-10	8.84E-10	7.96E-11	1.17E-09	1.75E-10	6.49E-10	5.71E-11	8.82E-10	1.99E-11	1.14E-10	1.36E-11	1.47E-10	1.81E-11	5.96E-11	4.11E-12	8.17E-11
1414	470265.65	3818298.26	2.13E-10	8.95E-10	8.06E-11	1.19E-09	1.78E-10	6.58E-10	5.79E-11	8.93E-10	2.01E-11	1.15E-10	1.38E-11	1.49E-10	1.83E-11	6.03E-11	4.16E-12	8.28E-11
1415	470256.09	3818298.12	2.16E-10	9.06E-10	8.16E-11	1.20E-09	1.80E-10	6.66E-10	5.86E-11	9.04E-10	2.04E-11	1.17E-10	1.39E-11	1.51E-10	1.85E-11	6.11E-11	4.21E-12	8.38E-11
1416	470246.53	3818297.99	2.18E-10	9.15E-10	8.24E-11	1.22E-09	1.82E-10	6.73E-10	5.92E-11	9.13E-10	2.06E-11	1.18E-10	1.41E-11	1.52E-10	1.87E-11	6.17E-11	4.25E-12	8.47E-11
1417	470236.97	3818297.85	2.20E-10	9.24E-10	8.32E-11	1.23E-09	1.83E-10	6.79E-10	5.97E-11	9.22E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.23E-11	4.29E-12	8.55E-11
1418	470227.4	3818297.72	2.22E-10	9.33E-10	8.40E-11	1.24E-09	1.85E-10	6.85E-10	6.03E-11	9.30E-10	2.10E-11	1.20E-10	1.43E-11	1.55E-10	1.91E-11	6.29E-11	4.33E-12	8.63E-11
1419	470217.84	3818297.58	2.24E-10	9.41E-10	8.47E-11	1.25E-09	1.87E-10	6.91E-10	6.08E-11	9.39E-10	2.12E-11	1.21E-10	1.45E-11	1.57E-10	1.92E-11	6.34E-11	4.37E-12	8.70E-11
1420	470208.28	3818297.45	2.26E-10	9.49E-10	8.54E-11	1.26E-09	1.88E-10	6.97E-10	6.13E-11	9.47E-10	2.13E-11	1.22E-10	1.46E-11	1.58E-10	1.94E-11	6.39E-11	4.41E-12	8.77E-11
1421	470198.72	3818297.31	2.27E-10	9.55E-10	8.60E-11	1.27E-09	1.89E-10	7.02E-10	6.17E-11	9.53E-10	2.15E-11	1.23E-10	1.47E-11	1.59E-10	1.95E-11	6.44E-11	4.44E-12	8.84E-11
1422	470189.16	3818297.18	2.29E-10	9.60E-10	8.65E-11	1.28E-09	1.90E-10	7.06E-10	6.21E-11	9.58E-10	2.16E-11	1.24E-10	1.47E-11	1.60E-10	1.96E-11	6.47E-11	4.46E-12	8.88E-11
1423	470179.59	3818297.04	2.30E-10	9.64E-10	8.68E-11	1.28E-09	1.91E-10	7.09E-10	6.23E-11	9.62E-10	2.17E-11	1.24E-10	1.48E-11	1.61E-10	1.97E-11	6.50E-11	4.48E-12	8.92E-11
1424	470170.03	3818296.91	2.30E-10	9.68E-10	8.71E-11	1.29E-09	1.92E-10	7.11E-10	6.25E-11	9.65E-10	2.18E-11	1.25E-10	1.49E-11	1.61E-10	1.98E-11	6.52E-11	4.50E-12	8.95E-11
1425	470160.47	3818296.77	2.37E-10	9.97E-10	8.98E-11	1.32E-09	1.98E-10	7.32E-10	6.44E-11	9.95E-10	2.24E-11	1.28E-10	1.53E-11	1.66E-10	2.04E-11	6.72E-11	4.63E-12	9.22E-11
1426	470150.91	3818296.64	2.38E-10	1.00E-09	9.01E-11	1.33E-09	1.98E-10	7.35E-10	6.46E-11	9.98E-10	2.25E-11	1.29E-10	1.54E-11	1.67E-10	2.04E-11	6.74E-11	4.65E-12	9.25E-11
1427	470141.34	3818296.5	2.39E-10	1.00E-09	9.02E-11	1.33E-09	1.99E-10	7.36E-10	6.48E-11	1.00E-09	2.25E-11	1.29E-10	1.54E-11	1.67E-10	2.05E-11	6.75E-11	4.66E-12	9.27E-11
1428	470131.78	3818296.37	2.39E-10	1.00E-09	9.03E-11	1.33E-09	1.99E-10	7.37E-10	6.48E-11	1.00E-09	2.25E-11	1.29E-10	1.54E-11	1.67E-10	2.05E-11	6.76E-11	4.66E-12	9.27E-11
1429	470122.22	3818296.23	2.38E-10	1.00E-09	9.02E-11	1.33E-09	1.99E-10	7.36E-10	6.47E-11	9.99E-10	2.25E-11	1.29E-10	1.54E-11	1.67E-10	2.05E-11	6.75E-11	4.65E-12	9.26E-11
1430	470757.59	3818417.02	1.04E-10	4.35E-10	3.92E-11	5.78E-10	8.63E-11	3.20E-10	2.81E-11	4.34E-10	9.79E-12	5.60E-11	6.68E-12	7.25E-11	8.90E-12	2.93E-11	2.02E-12	4.03E-11
1431	470766.31	3818420.76	1.02E-10	4.30E-10	3.87E-11	5.71E-10	8.52E-11	3.16E-10	2.78E-11	4.29E-10	9.66E-12	5.53E-11	6.60E-12	7.16E-11	8.78E-12	2.90E-11	2.00E-12	3.97E-11
1432	470775.03	3818424.5	1.01E-10	4.24E-10	3.82E-11	5.64E-10	8.42E-11	3.12E-10	2.74E-11	4.23E-10	9.54E-12	5.46E-11	6.52E-12	7.07E-11	8.67E-12	2.86E-11	1.97E-12	3.92E-11
1433	470783.75	3818428.25	9.97E-11	4.19E-10	3.77E-11	5.56E-10	8.31E-11	3.08E-10	2.71E-11	4.18E-10	9.42E-12	5.39E-11	6.43E-12	6.98E-11	8.56E-12	2.82E-11	1.95E-12	3.87E-11
1434	470792.47	3818431.99	9.84E-11	4.13E-10	3.72E-11	5.49E-10	8.20E-11	3.04E-10	2.67E-11	4.12E-10	9.29E-12	5.32E-11	6.35E-12	6.88E-11	8.45E-12	2.79E-11	1.92E-12	3.82E-11
1435	470801.19	3818435.73	9.72E-11	4.08E-10	3.68E-11	5.42E-10	8.09E-11	3.00E-10	2.64E-11	4.07E-10	9.18E-12	5.25E-11	6.27E-12	6.80E-11	8.34E-12	2.75E-11	1.90E-12	3.77E-11
1436	470809.91	3818439.47	9.59E-11	4.03E-10	3.63E-11	5.35E-10	7.99E-11	2.96E-10	2.60E-11	4.02E-10	9.06E-12	5.19E-11	6.19E-12	6.71E-11	8.24E-12	2.72E-11	1.87E-12	3.73E-11
1437	470818.63	3818443.22	9.48E-11	3.98E-10	3.58E-11	5.28E-10	7.89E-11	2.92E-10	2.57E-11	3.97E-10	8.95E-12	5.12E-11	6.11E-12	6.63E-11	8.13E-12	2.68E-11	1.85E-12	3.68E-11
1438	470827.35	3818446.96	9.36E-11	3.93E-10	3.54E-11	5.22E-10	7.79E-11	2.89E-10	2.54E-11	3.92E-10	8.84E-12	5.06E-11	6.04E-12	6.55E-11	8.03E-12	2.65E-11	1.83E-12	3.63E-11
1439	470836.07	3818450.7	9.24E-11	3.88E-10	3.49E-11	5.15E-10	7.70E-11	2.85E-10	2.51E-11	3.87E-10	8.72E-12	4.99E-11	5.96E-12	6.46E-11	7.93E-12	2.62E-11	1.80E-12	3.59E-11
1440	470844.79	3818454.44	9.13E-11	3.83E-10	3.45E-11	5.09E-10	7.60E-11	2.82E-10	2.48E-11	3.82E-10	8.62E-12	4.93E-11	5.89E-12	6.38E-11	7.84E-12	2.58E-11	1.78E-12	3.55E-11
1441	470853.51	3818458.19	9.02E-11	3.79E-10	3.41E-11	5.03E-10	7.51E-11	2.78E-10	2.45E-11	3.78E-10	8.51E-12	4.87E-11	5.81E-12	6.31E-11	7.74E-12	2.55E-11	1.76E-12	3.50E-11
1442	470862.23	3818461.93	8.91E-11	3.74E-10	3.37E-11	4.97E-10	7.42E-11	2.75E-10	2.42E-11	3.73E-10	8.41E-12	4.82E-11	5.75E-12	6.23E-11	7.65E-12	2.52E-11	1.74E-12	3.46E-11
1443	470870.95	3818465.67	8.80E-11	3.70E-10	3.33E-11	4.91E-10	7.33E-11	2.72E-10	2.39E-11	3.69E-10	8.31E-12	4.76E-11	5.68E-12	6.16E-11	7.56E-12	2.49E-11	1.72E-12	3.42E-11
1444	470914.54	3818484.38	8.34E-11	3.50E-10	3.16E-11	4.65E-10	6.95E-11	2.57E-10	2.27E-11	3.50E-10	7.88E-12	4.51E-11	5.38E-12	5.84E-11	7.16E-12	2.36E-11	1.63E-12	3.24E-11
1445	470923.26	3818488.13	8.26E-11	3.47E-10	3.13E-11	4.61E-10	6.88E-11	2.55E-10	2.24E-11	3.46E-10	7.80E-12	4.47E-11	5.33E-12	5.78E-11	7.09E-12	2.34E-11	1.61E-12	3.21E-11
1446	470931.98	3818491.87	8.19E-11	3.44E-10	3.10E-11	4.57E-10	6.82E-11	2.53E-10	2.22E-11	3.43E-10	7.73E-12	4.43E-11	5.28E-12	5.73E-11	7.03E-12	2.32E-11	1.60E-12	3.18E-11

1447	470940.7	3818495.61	8.12E-11	3.41E-10	3.07E-11	4.53E-10	6.76E-11	2.51E-10	2.20E-11	3.40E-10	7.67E-12	4.39E-11	5.24E-12	5.68E-11	6.97E-12	2.30E-11	1.58E-12	3.15E-11
1448	470949.42	3818499.35	8.05E-11	3.38E-10	3.05E-11	4.49E-10	6.71E-11	2.48E-10	2.19E-11	3.37E-10	7.60E-12	4.35E-11	5.19E-12	5.63E-11	6.91E-12	2.28E-11	1.57E-12	3.13E-11
1449	470958.14	3818503.1	7.99E-11	3.36E-10	3.02E-11	4.46E-10	6.66E-11	2.47E-10	2.17E-11	3.35E-10	7.55E-12	4.32E-11	5.15E-12	5.59E-11	6.86E-12	2.26E-11	1.56E-12	3.10E-11
1450	470966.86	3818506.84	7.93E-11	3.33E-10	3.00E-11	4.42E-10	6.60E-11	2.45E-10	2.15E-11	3.32E-10	7.49E-12	4.29E-11	5.11E-12	5.55E-11	6.81E-12	2.24E-11	1.55E-12	3.08E-11
1451	470975.58	3818510.58	7.88E-11	3.31E-10	2.98E-11	4.39E-10	6.56E-11	2.43E-10	2.14E-11	3.30E-10	7.44E-12	4.26E-11	5.08E-12	5.51E-11	6.76E-12	2.23E-11	1.54E-12	3.06E-11
1452	470984.3	3818514.32	7.83E-11	3.29E-10	2.96E-11	4.37E-10	6.52E-11	2.42E-10	2.13E-11	3.28E-10	7.39E-12	4.23E-11	5.05E-12	5.48E-11	6.72E-12	2.22E-11	1.53E-12	3.04E-11
1453	470993.02	3818518.07	7.78E-11	3.27E-10	2.94E-11	4.34E-10	6.48E-11	2.40E-10	2.11E-11	3.26E-10	7.35E-12	4.21E-11	5.02E-12	5.44E-11	6.68E-12	2.20E-11	1.52E-12	3.02E-11
1454	471001.74	3818521.81	7.74E-11	3.25E-10	2.93E-11	4.32E-10	6.45E-11	2.39E-10	2.10E-11	3.24E-10	7.31E-12	4.19E-11	4.99E-12	5.42E-11	6.65E-12	2.19E-11	1.51E-12	3.01E-11
1455	471014	3818534.35	7.78E-11	3.27E-10	2.94E-11	4.34E-10	6.48E-11	2.40E-10	2.11E-11	3.26E-10	7.35E-12	4.21E-11	5.02E-12	5.44E-11	6.68E-12	2.20E-11	1.52E-12	3.02E-11
1456	471017.54	3818543.15	7.87E-11	3.30E-10	2.97E-11	4.39E-10	6.55E-11	2.43E-10	2.14E-11	3.30E-10	7.43E-12	4.25E-11	5.07E-12	5.50E-11	6.75E-12	2.23E-11	1.53E-12	3.06E-11
1457	471021.09	3818551.96	7.95E-11	3.34E-10	3.01E-11	4.44E-10	6.62E-11	2.45E-10	2.16E-11	3.33E-10	7.51E-12	4.30E-11	5.13E-12	5.56E-11	6.83E-12	2.25E-11	1.55E-12	3.09E-11
1458	471024.63	3818560.76	8.05E-11	3.38E-10	3.04E-11	4.49E-10	6.70E-11	2.48E-10	2.18E-11	3.37E-10	7.60E-12	4.35E-11	5.19E-12	5.63E-11	6.91E-12	2.28E-11	1.57E-12	3.13E-11
1459	471028.17	3818569.56	8.15E-11	3.42E-10	3.08E-11	4.55E-10	6.79E-11	2.52E-10	2.21E-11	3.42E-10	7.70E-12	4.41E-11	5.26E-12	5.70E-11	7.00E-12	2.31E-11	1.59E-12	3.17E-11
1460	471031.72	3818578.36	8.26E-11	3.47E-10	3.12E-11	4.61E-10	6.88E-11	2.55E-10	2.24E-11	3.46E-10	7.80E-12	4.46E-11	5.33E-12	5.78E-11	7.09E-12	2.34E-11	1.61E-12	3.21E-11
1461	471035.26	3818587.16	8.37E-11	3.51E-10	3.17E-11	4.67E-10	6.97E-11	2.58E-10	2.27E-11	3.51E-10	7.90E-12	4.52E-11	5.40E-12	5.85E-11	7.18E-12	2.37E-11	1.63E-12	3.25E-11
1462	471038.8	3818595.97	8.48E-11	3.56E-10	3.21E-11	4.73E-10	7.06E-11	2.62E-10	2.30E-11	3.55E-10	8.01E-12	4.58E-11	5.47E-12	5.93E-11	7.28E-12	2.40E-11	1.65E-12	3.29E-11
1463	471042.35	3818604.77	8.61E-11	3.61E-10	3.25E-11	4.80E-10	7.17E-11	2.66E-10	2.34E-11	3.61E-10	8.13E-12	4.65E-11	5.55E-12	6.02E-11	7.39E-12	2.44E-11	1.68E-12	3.34E-11
1464	471045.89	3818613.57	8.74E-11	3.67E-10	3.30E-11	4.87E-10	7.28E-11	2.70E-10	2.37E-11	3.66E-10	8.25E-12	4.72E-11	5.63E-12	6.11E-11	7.50E-12	2.47E-11	1.70E-12	3.39E-11
1465	471049.44	3818622.37	8.87E-11	3.73E-10	3.36E-11	4.95E-10	7.39E-11	2.74E-10	2.41E-11	3.72E-10	8.38E-12	4.80E-11	5.72E-12	6.21E-11	7.62E-12	2.51E-11	1.73E-12	3.45E-11
1466	471052.98	3818631.17	9.01E-11	3.78E-10	3.41E-11	5.03E-10	7.50E-11	2.78E-10	2.45E-11	3.78E-10	8.51E-12	4.87E-11	5.81E-12	6.30E-11	7.73E-12	2.55E-11	1.76E-12	3.50E-11
1467	471056.52	3818639.98	9.16E-11	3.85E-10	3.46E-11	5.11E-10	7.63E-11	2.83E-10	2.49E-11	3.84E-10	8.65E-12	4.95E-11	5.91E-12	6.41E-11	7.86E-12	2.59E-11	1.79E-12	3.56E-11
1468	471060.07	3818648.78	9.31E-11	3.91E-10	3.52E-11	5.19E-10	7.76E-11	2.87E-10	2.53E-11	3.90E-10	8.80E-12	5.03E-11	6.01E-12	6.52E-11	8.00E-12	2.64E-11	1.82E-12	3.62E-11
1469	471063.61	3818657.58	9.47E-11	3.98E-10	3.58E-11	5.28E-10	7.89E-11	2.92E-10	2.57E-11	3.97E-10	8.94E-12	5.12E-11	6.11E-12	6.62E-11	8.13E-12	2.68E-11	1.85E-12	3.68E-11
1470	471067.15	3818666.38	9.64E-11	4.05E-10	3.64E-11	5.38E-10	8.03E-11	2.97E-10	2.62E-11	4.04E-10	9.10E-12	5.21E-11	6.22E-12	6.74E-11	8.27E-12	2.73E-11	1.88E-12	3.74E-11
1471	471070.7	3818675.18	9.81E-11	4.12E-10	3.71E-11	5.47E-10	8.17E-11	3.03E-10	2.66E-11	4.11E-10	9.26E-12	5.30E-11	6.33E-12	6.86E-11	8.42E-12	2.78E-11	1.91E-12	3.81E-11
1472	471074.24	3818683.99	9.99E-11	4.20E-10	3.78E-11	5.57E-10	8.32E-11	3.08E-10	2.71E-11	4.19E-10	9.43E-12	5.40E-11	6.44E-12	6.99E-11	8.58E-12	2.83E-11	1.95E-12	3.88E-11
1473	471077.78	3818692.79	1.02E-10	4.27E-10	3.85E-11	5.68E-10	8.48E-11	3.14E-10	2.76E-11	4.26E-10	9.61E-12	5.50E-11	6.56E-12	7.12E-11	8.74E-12	2.88E-11	1.99E-12	3.95E-11
1474	471081.33	3818701.59	1.04E-10	4.35E-10	3.92E-11	5.78E-10	8.64E-11	3.20E-10	2.82E-11	4.35E-10	9.79E-12	5.61E-11	6.69E-12	7.25E-11	8.90E-12	2.94E-11	2.02E-12	4.03E-11
1475	471084.87	3818710.39	1.06E-10	4.44E-10	4.00E-11	5.90E-10	8.80E-11	3.26E-10	2.87E-11	4.43E-10	9.98E-12	5.71E-11	6.82E-12	7.39E-11	9.07E-12	2.99E-11	2.06E-12	4.11E-11
1476	471088.42	3818719.19	1.08E-10	4.52E-10	4.07E-11	6.01E-10	8.97E-11	3.32E-10	2.92E-11	4.51E-10	1.02E-11	5.82E-11	6.95E-12	7.54E-11	9.25E-12	3.05E-11	2.10E-12	4.18E-11
1477	471091.96	3818728	1.10E-10	4.61E-10	4.15E-11	6.13E-10	9.15E-11	3.39E-10	2.98E-11	4.60E-10	1.04E-11	5.94E-11	7.09E-12	7.68E-11	9.43E-12	3.11E-11	2.14E-12	4.27E-11
1478	471095.5	3818736.8	1.12E-10	4.71E-10	4.24E-11	6.25E-10	9.34E-11	3.46E-10	3.04E-11	4.70E-10	1.06E-11	6.06E-11	7.23E-12	7.84E-11	9.62E-12	3.17E-11	2.19E-12	4.35E-11
1479	471099.05	3818745.6	1.14E-10	4.80E-10	4.32E-11	6.38E-10	9.52E-11	3.53E-10	3.10E-11	4.79E-10	1.08E-11	6.18E-11	7.37E-12	8.00E-11	9.81E-12	3.24E-11	2.23E-12	4.44E-11
1480	471102.59	3818754.4	1.17E-10	4.90E-10	4.41E-11	6.50E-10	9.71E-11	3.60E-10	3.17E-11	4.89E-10	1.10E-11	6.30E-11	7.52E-12	8.16E-11	1.00E-11	3.30E-11	2.28E-12	4.53E-11
1481	471106.13	3818763.2	1.19E-10	5.00E-10	4.50E-11	6.64E-10	9.92E-11	3.67E-10	3.23E-11	4.99E-10	1.12E-11	6.44E-11	7.68E-12	8.33E-11	1.02E-11	3.37E-11	2.32E-12	4.62E-11
1482	471109.68	3818772.01	1.22E-10	5.10E-10	4.60E-11	6.78E-10	1.01E-10	3.75E-10	3.30E-11	5.09E-10	1.15E-11	6.57E-11	7.84E-12	8.50E-11	1.04E-11	3.44E-11	2.37E-12	4.72E-11
1483	471113.22	3818780.81	1.24E-10	5.21E-10	4.69E-11	6.92E-10	1.03E-10	3.83E-10	3.37E-11	5.20E-10	1.17E-11	6.70E-11	8.00E-12	8.68E-11	1.06E-11	3.51E-11	2.42E-12	4.82E-11
1484	471138.03	3818842.42	1.44E-10	6.04E-10	5.44E-11	8.02E-10	1.20E-10	4.44E-10	3.90E-11	6.02E-10	1.36E-11	7.77E-11	9.27E-12	1.01E-10	1.23E-11	4.07E-11	2.81E-12	5.58E-11
1485	471141.57	3818851.22	1.47E-10	6.17E-10	5.55E-11	8.19E-10	1.22E-10	4.53E-10	3.99E-11	6.15E-10	1.39E-11	7.94E-11	9.47E-12	1.03E-10	1.26E-11	4.16E-11	2.87E-12	5.71E-11
1486	471145.11	3818860.03	1.50E-10	6.30E-10	5.68E-11	8.37E-10	1.25E-10	4.63E-10	4.07E-11	6.29E-10	1.42E-11	8.12E-11	9.68E-12	1.05E-10	1.29E-11	4.25E-11	2.93E-12	5.83E-11
1487	471148.66	3818868.83	1.53E-10	6.44E-10	5.80E-11	8.55E-10	1.28E-10	4.73E-10	4.16E-11	6.43E-10	1.45E-11	8.29E-11	9.89E-12	1.07E-10	1.32E-11	4.34E-11	2.99E-12	5.96E-11
1488	471152.2	3818877.63	1.57E-10	6.58E-10	5.92E-11	8.74E-10	1.30E-10	4.83E-10	4.25E-11	6.56E-10	1.48E-11	8.47E-11	1.01E-11	1.10E-10	1.34E-11	4.43E-11	3.06E-12	6.08E-11
1489	471155.74	3818886.43	1.60E-10	6.72E-10	6.05E-11	8.93E-10	1.33E-10	4.94E-10	4.34E-11	6.71E-10	1.51E-11	8.65E-11	1.03E-11	1.12E-10	1.37E-11	4.53E-11	3.12E-12	6.22E-11
1490	471159.29	3818895.23	1.63E-10	6.87E-10	6.18E-11	9.12E-10	1.36E-10	5.04E-10	4.44E-11	6.85E-10	1.54E-11	8.84E-11	1.05E-11	1.14E-10	1.40E-11	4.63E-11	3.19E-12	6.35E-11
1491	471162.83	3818904.04	1.67E-10	7.02E-10	6.32E-11	9.32E-10	1.39E-10	5.16E-10	4.54E-11	7.00E-10	1.58E-11	9.03E-11	1.08E-11	1.17E-10	1.43E-11	4.73E-11	3.26E-12	6.49E-11
1492	471166.37	3818912.84	1.71E-10	7.17E-10	6.46E-11	9.52E-10	1.42E-10	5.27E-10	4.63E-11	7.15E-10	1.61E-11	9.23E-11	1.10E-11	1.19E-10	1.47E-11	4.83E-11	3.33E-12	6.63E-11
1493	471169.92	3818921.64	1.74E-10	7.33E-10	6.60E-11	9.73E-10	1.45E-10	5.38E-10	4.74E-11	7.31E-10	1.65E-11	9.43E-11	1.13E-11	1.22E-10	1.50E-11	4.94E-11	3.40E-12	6.78E-11
1494	471173.46	3818930.44	1.78E-10	7.49E-10	6.74E-11	9.94E-10	1.48E-10	5.50E-10	4.84E-11	7.47E-10	1.68E-11	9.64E-11	1.15E-11	1.25E-10	1.53E-11	5.05E-11	3.48E-12	6.92E-11
1495	471180.55	3818948.05	1.86E-10	7.81E-10	7.04E-11	1.04E-09	1.55E-10	5.74E-10	5.05E-11	7.79E-10	1.76E-11	1.01E-10	1.20E-11	1.30E-10	1.60E-11	5.27E-11	3.63E-12	7.23E-11
1496	471184.09	3818956.85	1.90E-10	7.98E-10	7.18E-11	1.06E-09	1.58E-10	5.86E-10	5.16E-11	7.96E-10	1.79E-11	1.03E-10	1.23E-11	1.33E-10	1.63E-11	5.38E-11	3.71E-12	7.38E-11

1497	471187.64	3818965.65	1.94E-10	8.15E-10	7.34E-11	1.08E-09	1.62E-10	5.99E-10	5.27E-11	8.13E-10	1.83E-11	1.05E-10	1.25E-11	1.36E-10	1.67E-11	5.49E-11	3.79E-12	7.54E-11
1498	471191.18	3818974.45	1.98E-10	8.32E-10	7.49E-11	1.11E-09	1.65E-10	6.11E-10	5.38E-11	8.30E-10	1.87E-11	1.07E-10	1.28E-11	1.39E-10	1.70E-11	5.61E-11	3.87E-12	7.70E-11
1499	471194.72	3818983.26	2.02E-10	8.50E-10	7.65E-11	1.13E-09	1.69E-10	6.24E-10	5.49E-11	8.48E-10	1.91E-11	1.09E-10	1.30E-11	1.42E-10	1.74E-11	5.73E-11	3.95E-12	7.86E-11
1500	471198.27	3818992.06	2.07E-10	8.67E-10	7.81E-11	1.15E-09	1.72E-10	6.37E-10	5.61E-11	8.65E-10	1.95E-11	1.12E-10	1.33E-11	1.44E-10	1.77E-11	5.85E-11	4.03E-12	8.02E-11
1501	471201.81	3819000.86	2.11E-10	8.85E-10	7.97E-11	1.18E-09	1.76E-10	6.50E-10	5.72E-11	8.83E-10	1.99E-11	1.14E-10	1.36E-11	1.47E-10	1.81E-11	5.97E-11	4.11E-12	8.19E-11
1502	471205.35	3819009.66	2.15E-10	9.03E-10	8.13E-11	1.20E-09	1.79E-10	6.64E-10	5.84E-11	9.01E-10	2.03E-11	1.16E-10	1.39E-11	1.50E-10	1.85E-11	6.09E-11	4.20E-12	8.35E-11
1503	471208.9	3819018.46	2.19E-10	9.21E-10	8.29E-11	1.22E-09	1.83E-10	6.77E-10	5.95E-11	9.19E-10	2.07E-11	1.19E-10	1.41E-11	1.53E-10	1.88E-11	6.21E-11	4.28E-12	8.52E-11
1504	471212.44	3819027.27	2.24E-10	9.39E-10	8.46E-11	1.25E-09	1.86E-10	6.90E-10	6.07E-11	9.37E-10	2.11E-11	1.21E-10	1.44E-11	1.56E-10	1.92E-11	6.33E-11	4.36E-12	8.69E-11
1505	471215.99	3819036.07	2.28E-10	9.57E-10	8.62E-11	1.27E-09	1.90E-10	7.03E-10	6.19E-11	9.55E-10	2.15E-11	1.23E-10	1.47E-11	1.59E-10	1.96E-11	6.45E-11	4.45E-12	8.85E-11
1506	471219.53	3819044.87	2.32E-10	9.75E-10	8.78E-11	1.30E-09	1.93E-10	7.17E-10	6.30E-11	9.73E-10	2.19E-11	1.26E-10	1.50E-11	1.62E-10	1.99E-11	6.57E-11	4.53E-12	9.02E-11
1507	471223.07	3819053.67	2.37E-10	9.93E-10	8.95E-11	1.32E-09	1.97E-10	7.30E-10	6.42E-11	9.91E-10	2.23E-11	1.28E-10	1.53E-11	1.65E-10	2.03E-11	6.70E-11	4.62E-12	9.19E-11
1508	471226.62	3819062.47	2.41E-10	1.01E-09	9.11E-11	1.34E-09	2.01E-10	7.43E-10	6.54E-11	1.01E-09	2.27E-11	1.30E-10	1.55E-11	1.68E-10	2.07E-11	6.82E-11	4.70E-12	9.35E-11
1509	471230.16	3819071.28	2.45E-10	1.03E-09	9.27E-11	1.37E-09	2.04E-10	7.56E-10	6.65E-11	1.03E-09	2.31E-11	1.32E-10	1.58E-11	1.71E-10	2.10E-11	6.93E-11	4.78E-12	9.52E-11
1510	471233.7	3819080.08	2.49E-10	1.05E-09	9.43E-11	1.39E-09	2.08E-10	7.69E-10	6.77E-11	1.04E-09	2.35E-11	1.35E-10	1.61E-11	1.74E-10	2.14E-11	7.05E-11	4.86E-12	9.68E-11
1511	471237.25	3819088.88	2.53E-10	1.06E-09	9.58E-11	1.41E-09	2.11E-10	7.82E-10	6.88E-11	1.06E-09	2.39E-11	1.37E-10	1.63E-11	1.77E-10	2.18E-11	7.17E-11	4.94E-12	9.84E-11
1512	471240.79	3819097.68	2.57E-10	1.08E-09	9.74E-11	1.44E-09	2.14E-10	7.95E-10	6.99E-11	1.08E-09	2.43E-11	1.39E-10	1.66E-11	1.80E-10	2.21E-11	7.29E-11	5.02E-12	1.00E-10
1513	471244.33	3819106.48	2.61E-10	1.10E-09	9.89E-11	1.46E-09	2.18E-10	8.07E-10	7.10E-11	1.10E-09	2.47E-11	1.41E-10	1.69E-11	1.83E-10	2.24E-11	7.40E-11	5.10E-12	1.02E-10
1514	471247.88	3819115.29	2.65E-10	1.11E-09	1.00E-10	1.48E-09	2.21E-10	8.19E-10	7.20E-11	1.11E-09	2.51E-11	1.43E-10	1.71E-11	1.86E-10	2.28E-11	7.51E-11	5.18E-12	1.03E-10
1515	471251.42	3819124.09	2.69E-10	1.13E-09	1.02E-10	1.50E-09	2.24E-10	8.31E-10	7.31E-11	1.13E-09	2.54E-11	1.46E-10	1.74E-11	1.88E-10	2.31E-11	7.62E-11	5.25E-12	1.05E-10
1516	471262.05	3819150.49	2.80E-10	1.18E-09	1.06E-10	1.56E-09	2.34E-10	8.65E-10	7.61E-11	1.17E-09	2.65E-11	1.52E-10	1.81E-11	1.96E-10	2.41E-11	7.94E-11	5.47E-12	1.09E-10
1517	471265.6	3819159.3	2.84E-10	1.19E-09	1.07E-10	1.58E-09	2.36E-10	8.76E-10	7.70E-11	1.19E-09	2.68E-11	1.53E-10	1.83E-11	1.99E-10	2.44E-11	8.03E-11	5.54E-12	1.10E-10
1518	471269.14	3819168.1	2.87E-10	1.21E-09	1.09E-10	1.60E-09	2.39E-10	8.86E-10	7.80E-11	1.20E-09	2.71E-11	1.55E-10	1.85E-11	2.01E-10	2.47E-11	8.13E-11	5.60E-12	1.12E-10
1519	471272.68	3819176.9	2.90E-10	1.22E-09	1.10E-10	1.62E-09	2.42E-10	8.96E-10	7.88E-11	1.22E-09	2.74E-11	1.57E-10	1.87E-11	2.03E-10	2.49E-11	8.22E-11	5.67E-12	1.13E-10
1520	471276.23	3819185.7	2.94E-10	1.23E-09	1.11E-10	1.64E-09	2.44E-10	9.06E-10	7.97E-11	1.23E-09	2.77E-11	1.59E-10	1.89E-11	2.05E-10	2.52E-11	8.31E-11	5.73E-12	1.14E-10
1521	471279.77	3819194.5	2.96E-10	1.24E-09	1.12E-10	1.65E-09	2.47E-10	9.15E-10	8.05E-11	1.24E-09	2.80E-11	1.60E-10	1.91E-11	2.07E-10	2.54E-11	8.39E-11	5.78E-12	1.15E-10
1522	471283.31	3819203.31	2.99E-10	1.26E-09	1.13E-10	1.67E-09	2.49E-10	9.23E-10	8.12E-11	1.25E-09	2.83E-11	1.62E-10	1.93E-11	2.09E-10	2.57E-11	8.47E-11	5.84E-12	1.16E-10
1523	471286.86	3819212.11	3.02E-10	1.27E-09	1.14E-10	1.68E-09	2.51E-10	9.31E-10	8.19E-11	1.26E-09	2.85E-11	1.63E-10	1.95E-11	2.11E-10	2.59E-11	8.54E-11	5.89E-12	1.17E-10
1524	471290.4	3819220.91	3.04E-10	1.28E-09	1.15E-10	1.70E-09	2.53E-10	9.39E-10	8.26E-11	1.28E-09	2.87E-11	1.65E-10	1.96E-11	2.13E-10	2.61E-11	8.61E-11	5.94E-12	1.18E-10
1525	471293.95	3819229.71	3.07E-10	1.29E-09	1.16E-10	1.71E-09	2.55E-10	9.46E-10	8.32E-11	1.28E-09	2.90E-11	1.66E-10	1.98E-11	2.14E-10	2.63E-11	8.68E-11	5.98E-12	1.19E-10
1526	470266.78	3818218.27	1.84E-10	7.71E-10	6.95E-11	1.02E-09	1.53E-10	5.67E-10	4.99E-11	7.70E-10	1.73E-11	9.93E-11	1.18E-11	1.28E-10	1.58E-11	5.20E-11	3.58E-12	7.13E-11
1527	470257.22	3818218.13	1.86E-10	7.80E-10	7.03E-11	1.04E-09	1.55E-10	5.73E-10	5.04E-11	7.79E-10	1.75E-11	1.00E-10	1.20E-11	1.30E-10	1.60E-11	5.26E-11	3.63E-12	7.22E-11
1528	470247.66	3818218	1.88E-10	7.89E-10	7.11E-11	1.05E-09	1.57E-10	5.80E-10	5.10E-11	7.87E-10	1.77E-11	1.02E-10	1.21E-11	1.31E-10	1.61E-11	5.32E-11	3.67E-12	7.30E-11
1529	470238.1	3818217.86	1.90E-10	7.97E-10	7.18E-11	1.06E-09	1.58E-10	5.86E-10	5.15E-11	7.95E-10	1.79E-11	1.03E-10	1.22E-11	1.33E-10	1.63E-11	5.37E-11	3.70E-12	7.37E-11
1530	470228.53	3818217.73	1.92E-10	8.04E-10	7.24E-11	1.07E-09	1.60E-10	5.91E-10	5.20E-11	8.03E-10	1.81E-11	1.04E-10	1.24E-11	1.34E-10	1.64E-11	5.42E-11	3.74E-12	7.44E-11
1531	470218.97	3818217.59	1.93E-10	8.11E-10	7.31E-11	1.08E-09	1.61E-10	5.96E-10	5.24E-11	8.09E-10	1.82E-11	1.04E-10	1.25E-11	1.35E-10	1.66E-11	5.47E-11	3.77E-12	7.50E-11
1532	470209.41	3818217.46	1.95E-10	8.17E-10	7.36E-11	1.09E-09	1.62E-10	6.01E-10	5.28E-11	8.15E-10	1.84E-11	1.05E-10	1.26E-11	1.36E-10	1.67E-11	5.51E-11	3.80E-12	7.56E-11
1533	470199.85	3818217.32	1.96E-10	8.23E-10	7.41E-11	1.09E-09	1.63E-10	6.05E-10	5.32E-11	8.21E-10	1.85E-11	1.06E-10	1.26E-11	1.37E-10	1.68E-11	5.55E-11	3.82E-12	7.61E-11
1534	470190.28	3818217.19	1.97E-10	8.27E-10	7.45E-11	1.10E-09	1.64E-10	6.08E-10	5.35E-11	8.25E-10	1.86E-11	1.06E-10	1.27E-11	1.38E-10	1.69E-11	5.57E-11	3.84E-12	7.65E-11
1535	470180.72	3818217.05	1.98E-10	8.31E-10	7.48E-11	1.10E-09	1.65E-10	6.10E-10	5.37E-11	8.29E-10	1.87E-11	1.07E-10	1.28E-11	1.38E-10	1.70E-11	5.60E-11	3.86E-12	7.68E-11
1536	470171.16	3818216.92	1.98E-10	8.33E-10	7.51E-11	1.11E-09	1.65E-10	6.12E-10	5.39E-11	8.32E-10	1.87E-11	1.07E-10	1.28E-11	1.39E-10	1.70E-11	5.62E-11	3.87E-12	7.71E-11
1537	470161.6	3818216.78	1.99E-10	8.35E-10	7.52E-11	1.11E-09	1.66E-10	6.14E-10	5.40E-11	8.34E-10	1.88E-11	1.08E-10	1.28E-11	1.39E-10	1.71E-11	5.63E-11	3.88E-12	7.73E-11
1538	470152.04	3818216.65	1.99E-10	8.37E-10	7.54E-11	1.11E-09	1.66E-10	6.15E-10	5.41E-11	8.35E-10	1.88E-11	1.08E-10	1.29E-11	1.39E-10	1.71E-11	5.64E-11	3.89E-12	7.74E-11
1539	470142.47	3818216.51	2.05E-10	8.62E-10	7.76E-11	1.15E-09	1.71E-10	6.33E-10	5.57E-11	8.60E-10	1.94E-11	1.11E-10	1.32E-11	1.44E-10	1.76E-11	5.81E-11	4.01E-12	7.97E-11
1540	470132.91	3818216.38	2.05E-10	8.63E-10	7.77E-11	1.15E-09	1.71E-10	6.34E-10	5.58E-11	8.61E-10	1.94E-11	1.11E-10	1.33E-11	1.44E-10	1.76E-11	5.82E-11	4.01E-12	7.98E-11
1541	470123.35	3818216.24	2.05E-10	8.63E-10	7.77E-11	1.15E-09	1.71E-10	6.34E-10	5.58E-11	8.61E-10	1.94E-11	1.11E-10	1.33E-11	1.44E-10	1.76E-11	5.82E-11	4.01E-12	7.98E-11
1542	470471.84	3818213.89	1.30E-10	5.44E-10	4.90E-11	7.23E-10	1.08E-10	4.00E-10	3.52E-11	5.43E-10	1.22E-11	7.01E-11	8.36E-12	9.07E-11	1.11E-11	3.67E-11	2.53E-12	5.03E-11
1543	470480.6	3818217.66	1.28E-10	5.40E-10	4.86E-11	7.17E-10	1.07E-10	3.97E-10	3.49E-11	5.38E-10	1.21E-11	6.95E-11	8.29E-12	8.99E-11	1.10E-11	3.64E-11	2.51E-12	4.99E-11
1544	470489.36	3818221.42	1.27E-10	5.35E-10	4.82E-11	7.11E-10	1.06E-10	3.93E-10	3.46E-11	5.34E-10	1.20E-11	6.89E-11	8.22E-12	8.91E-11	1.09E-11	3.61E-11	2.49E-12	4.95E-11
1545	470498.13	3818225.18	1.26E-10	5.30E-10	4.78E-11	7.05E-10	1.05E-10	3.90E-10	3.43E-11	5.29E-10	1.19E-11	6.83E-11	8.15E-12	8.84E-11	1.08E-11	3.58E-11	2.46E-12	4.91E-11
1546	470506.89	3818228.94	1.25E-10	5.26E-10	4.73E-11	6.98E-10	1.04E-10	3.86E-10	3.40E-11	5.24E-10	1.18E-11	6.76E-11	8.07E-12	8.75E-11	1.07E-11	3.54E-11	2.44E-12	4.86E-11

1547	470515.65	3818232.7	1.24E-10	5.21E-10	4.69E-11	6.91E-10	1.03E-10	3.83E-10	3.36E-11	5.19E-10	1.17E-11	6.70E-11	8.00E-12	8.67E-11	1.06E-11	3.51E-11	2.42E-12	4.81E-11
1548	470524.41	3818236.46	1.23E-10	5.16E-10	4.64E-11	6.85E-10	1.02E-10	3.79E-10	3.33E-11	5.14E-10	1.16E-11	6.64E-11	7.92E-12	8.59E-11	1.05E-11	3.48E-11	2.40E-12	4.77E-11
1549	470533.17	3818240.22	1.22E-10	5.11E-10	4.61E-11	6.79E-10	1.01E-10	3.76E-10	3.31E-11	5.10E-10	1.15E-11	6.58E-11	7.85E-12	8.52E-11	1.05E-11	3.45E-11	2.38E-12	4.73E-11
1550	470541.94	3818243.98	1.21E-10	5.07E-10	4.57E-11	6.73E-10	1.01E-10	3.73E-10	3.28E-11	5.06E-10	1.14E-11	6.53E-11	7.79E-12	8.44E-11	1.04E-11	3.42E-11	2.36E-12	4.69E-11
1551	470550.7	3818247.74	1.20E-10	5.02E-10	4.52E-11	6.67E-10	9.96E-11	3.69E-10	3.25E-11	5.01E-10	1.13E-11	6.47E-11	7.71E-12	8.37E-11	1.03E-11	3.39E-11	2.33E-12	4.65E-11
1552	470559.46	3818251.5	1.18E-10	4.98E-10	4.48E-11	6.61E-10	9.87E-11	3.66E-10	3.22E-11	4.96E-10	1.12E-11	6.41E-11	7.64E-12	8.29E-11	1.02E-11	3.35E-11	2.31E-12	4.60E-11
1553	470568.22	3818255.26	1.17E-10	4.93E-10	4.44E-11	6.55E-10	9.78E-11	3.62E-10	3.19E-11	4.92E-10	1.11E-11	6.34E-11	7.57E-12	8.21E-11	1.01E-11	3.32E-11	2.29E-12	4.56E-11
1554	470576.99	3818259.02	1.16E-10	4.88E-10	4.40E-11	6.49E-10	9.69E-11	3.59E-10	3.16E-11	4.87E-10	1.10E-11	6.29E-11	7.50E-12	8.14E-11	9.98E-12	3.29E-11	2.27E-12	4.52E-11
1555	470585.75	3818262.78	1.15E-10	4.84E-10	4.36E-11	6.43E-10	9.59E-11	3.55E-10	3.13E-11	4.83E-10	1.09E-11	6.23E-11	7.43E-12	8.06E-11	9.89E-12	3.26E-11	2.25E-12	4.47E-11
1556	470594.51	3818266.55	1.14E-10	4.79E-10	4.32E-11	6.37E-10	9.51E-11	3.52E-10	3.10E-11	4.78E-10	1.08E-11	6.17E-11	7.36E-12	7.98E-11	9.80E-12	3.23E-11	2.23E-12	4.43E-11
1557	470603.27	3818270.31	1.13E-10	4.75E-10	4.27E-11	6.30E-10	9.41E-11	3.49E-10	3.07E-11	4.74E-10	1.07E-11	6.11E-11	7.29E-12	7.91E-11	9.70E-12	3.20E-11	2.21E-12	4.39E-11
1558	470612.03	3818274.07	1.12E-10	4.70E-10	4.23E-11	6.24E-10	9.32E-11	3.45E-10	3.04E-11	4.69E-10	1.06E-11	6.05E-11	7.22E-12	7.83E-11	9.61E-12	3.17E-11	2.18E-12	4.35E-11
1559	470620.8	3818277.83	1.11E-10	4.66E-10	4.19E-11	6.18E-10	9.23E-11	3.42E-10	3.01E-11	4.64E-10	1.05E-11	5.99E-11	7.15E-12	7.75E-11	9.52E-12	3.14E-11	2.16E-12	4.31E-11
1560	470629.56	3818281.59	1.10E-10	4.61E-10	4.15E-11	6.12E-10	9.14E-11	3.39E-10	2.98E-11	4.60E-10	1.04E-11	5.94E-11	7.08E-12	7.68E-11	9.43E-12	3.11E-11	2.14E-12	4.26E-11
1561	470638.32	3818285.35	1.09E-10	4.56E-10	4.11E-11	6.06E-10	9.05E-11	3.35E-10	2.95E-11	4.55E-10	1.03E-11	5.87E-11	7.01E-12	7.60E-11	9.33E-12	3.08E-11	2.12E-12	4.22E-11
1562	470647.08	3818289.11	1.08E-10	4.52E-10	4.07E-11	6.00E-10	8.96E-11	3.32E-10	2.92E-11	4.51E-10	1.02E-11	5.82E-11	6.94E-12	7.53E-11	9.24E-12	3.05E-11	2.10E-12	4.18E-11
1563	470655.84	3818292.87	1.07E-10	4.47E-10	4.03E-11	5.94E-10	8.88E-11	3.29E-10	2.89E-11	4.47E-10	1.01E-11	5.76E-11	6.87E-12	7.45E-11	9.15E-12	3.02E-11	2.08E-12	4.14E-11
1564	470664.61	3818296.63	1.06E-10	4.43E-10	3.99E-11	5.88E-10	8.79E-11	3.26E-10	2.86E-11	4.42E-10	9.96E-12	5.70E-11	6.80E-12	7.38E-11	9.06E-12	2.99E-11	2.06E-12	4.10E-11
1565	470673.37	3818300.39	1.04E-10	4.39E-10	3.95E-11	5.83E-10	8.70E-11	3.22E-10	2.84E-11	4.38E-10	9.86E-12	5.65E-11	6.74E-12	7.31E-11	8.97E-12	2.96E-11	2.04E-12	4.06E-11
1566	470682.13	3818304.15	1.03E-10	4.34E-10	3.91E-11	5.76E-10	8.61E-11	3.19E-10	2.80E-11	4.33E-10	9.76E-12	5.59E-11	6.66E-12	7.23E-11	8.87E-12	2.92E-11	2.02E-12	4.01E-11
1567	470690.89	3818307.91	1.02E-10	4.29E-10	3.87E-11	5.70E-10	8.52E-11	3.16E-10	2.78E-11	4.29E-10	9.66E-12	5.53E-11	6.60E-12	7.15E-11	8.78E-12	2.89E-11	2.00E-12	3.97E-11
1568	470699.65	3818311.67	1.01E-10	4.25E-10	3.83E-11	5.65E-10	8.43E-11	3.12E-10	2.75E-11	4.24E-10	9.56E-12	5.47E-11	6.53E-12	7.08E-11	8.69E-12	2.86E-11	1.97E-12	3.93E-11
1569	470708.42	3818315.44	1.00E-10	4.20E-10	3.79E-11	5.58E-10	8.34E-11	3.09E-10	2.72E-11	4.19E-10	9.45E-12	5.41E-11	6.46E-12	7.00E-11	8.59E-12	2.83E-11	1.95E-12	3.89E-11
1570	470717.18	3818319.2	9.90E-11	4.16E-10	3.75E-11	5.52E-10	8.25E-11	3.06E-10	2.69E-11	4.15E-10	9.35E-12	5.35E-11	6.39E-12	6.93E-11	8.50E-12	2.80E-11	1.93E-12	3.85E-11
1571	470725.94	3818322.96	9.80E-11	4.11E-10	3.71E-11	5.47E-10	8.16E-11	3.02E-10	2.66E-11	4.11E-10	9.25E-12	5.30E-11	6.32E-12	6.85E-11	8.41E-12	2.77E-11	1.91E-12	3.81E-11
1572	470734.7	3818326.72	9.69E-11	4.07E-10	3.66E-11	5.40E-10	8.07E-11	2.99E-10	2.63E-11	4.06E-10	9.15E-12	5.24E-11	6.25E-12	6.78E-11	8.32E-12	2.74E-11	1.89E-12	3.76E-11
1573	470743.46	3818330.48	9.58E-11	4.02E-10	3.62E-11	5.34E-10	7.98E-11	2.96E-10	2.60E-11	4.01E-10	9.05E-12	5.18E-11	6.18E-12	6.70E-11	8.22E-12	2.71E-11	1.87E-12	3.72E-11
1574	470752.23	3818334.24	9.48E-11	3.98E-10	3.58E-11	5.28E-10	7.89E-11	2.92E-10	2.57E-11	3.97E-10	8.95E-12	5.12E-11	6.11E-12	6.63E-11	8.13E-12	2.68E-11	1.85E-12	3.68E-11
1575	470760.99	3818338	9.36E-11	3.93E-10	3.54E-11	5.22E-10	7.80E-11	2.89E-10	2.54E-11	3.92E-10	8.84E-12	5.06E-11	6.04E-12	6.55E-11	8.04E-12	2.65E-11	1.83E-12	3.64E-11
1576	470769.75	3818341.76	9.26E-11	3.89E-10	3.50E-11	5.16E-10	7.71E-11	2.86E-10	2.51E-11	3.88E-10	8.74E-12	5.00E-11	5.97E-12	6.48E-11	7.95E-12	2.62E-11	1.81E-12	3.60E-11
1577	470778.51	3818345.52	9.15E-11	3.84E-10	3.46E-11	5.10E-10	7.62E-11	2.82E-10	2.48E-11	3.83E-10	8.64E-12	4.95E-11	5.90E-12	6.40E-11	7.86E-12	2.59E-11	1.79E-12	3.55E-11
1578	470787.28	3818349.28	9.04E-11	3.80E-10	3.42E-11	5.04E-10	7.53E-11	2.79E-10	2.45E-11	3.79E-10	8.54E-12	4.89E-11	5.83E-12	6.32E-11	7.76E-12	2.56E-11	1.76E-12	3.51E-11
1579	470796.04	3818353.04	8.93E-11	3.75E-10	3.38E-11	4.98E-10	7.44E-11	2.76E-10	2.43E-11	3.74E-10	8.44E-12	4.83E-11	5.76E-12	6.25E-11	7.67E-12	2.53E-11	1.74E-12	3.47E-11
1580	470804.8	3818356.8	8.83E-11	3.71E-10	3.34E-11	4.92E-10	7.35E-11	2.72E-10	2.40E-11	3.70E-10	8.34E-12	4.77E-11	5.69E-12	6.18E-11	7.58E-12	2.50E-11	1.72E-12	3.43E-11
1581	470813.56	3818360.56	8.72E-11	3.66E-10	3.30E-11	4.86E-10	7.26E-11	2.69E-10	2.37E-11	3.65E-10	8.23E-12	4.71E-11	5.62E-12	6.10E-11	7.48E-12	2.47E-11	1.70E-12	3.39E-11
1582	470822.32	3818364.33	8.61E-11	3.62E-10	3.26E-11	4.80E-10	7.17E-11	2.66E-10	2.34E-11	3.61E-10	8.13E-12	4.66E-11	5.55E-12	6.02E-11	7.39E-12	2.44E-11	1.68E-12	3.34E-11
1583	470831.09	3818368.09	8.51E-11	3.57E-10	3.22E-11	4.74E-10	7.08E-11	2.62E-10	2.31E-11	3.56E-10	8.03E-12	4.60E-11	5.49E-12	5.95E-11	7.30E-12	2.41E-11	1.66E-12	3.30E-11
1584	470839.85	3818371.85	8.41E-11	3.53E-10	3.18E-11	4.69E-10	7.00E-11	2.59E-10	2.28E-11	3.52E-10	7.94E-12	4.54E-11	5.42E-12	5.88E-11	7.22E-12	2.38E-11	1.64E-12	3.27E-11
1585	470848.61	3818375.61	8.30E-11	3.49E-10	3.14E-11	4.63E-10	6.91E-11	2.56E-10	2.25E-11	3.48E-10	7.84E-12	4.49E-11	5.35E-12	5.81E-11	7.13E-12	2.35E-11	1.62E-12	3.22E-11
1586	470857.37	3818379.37	8.20E-11	3.44E-10	3.10E-11	4.57E-10	6.83E-11	2.53E-10	2.23E-11	3.44E-10	7.74E-12	4.43E-11	5.29E-12	5.74E-11	7.04E-12	2.32E-11	1.60E-12	3.19E-11
1587	470866.13	3818383.13	8.10E-11	3.40E-10	3.06E-11	4.52E-10	6.75E-11	2.50E-10	2.20E-11	3.39E-10	7.65E-12	4.38E-11	5.23E-12	5.67E-11	6.96E-12	2.29E-11	1.58E-12	3.15E-11
1588	470874.9	3818386.89	8.00E-11	3.36E-10	3.03E-11	4.46E-10	6.67E-11	2.47E-10	2.17E-11	3.35E-10	7.56E-12	4.33E-11	5.16E-12	5.60E-11	6.87E-12	2.27E-11	1.56E-12	3.11E-11
1589	470883.66	3818390.65	7.91E-11	3.32E-10	2.99E-11	4.41E-10	6.59E-11	2.44E-10	2.15E-11	3.31E-10	7.47E-12	4.28E-11	5.10E-12	5.53E-11	6.79E-12	2.24E-11	1.54E-12	3.07E-11
1590	470892.42	3818394.41	7.82E-11	3.28E-10	2.96E-11	4.36E-10	6.51E-11	2.41E-10	2.12E-11	3.28E-10	7.38E-12	4.23E-11	5.04E-12	5.47E-11	6.71E-12	2.21E-11	1.53E-12	3.04E-11
1591	470901.18	3818398.17	7.73E-11	3.25E-10	2.92E-11	4.31E-10	6.44E-11	2.39E-10	2.10E-11	3.24E-10	7.30E-12	4.18E-11	4.99E-12	5.41E-11	6.64E-12	2.19E-11	1.51E-12	3.00E-11
1592	470909.94	3818401.93	7.64E-11	3.21E-10	2.89E-11	4.26E-10	6.37E-11	2.36E-10	2.07E-11	3.20E-10	7.22E-12	4.13E-11	4.93E-12	5.35E-11	6.56E-12	2.16E-11	1.49E-12	2.97E-11
1593	470918.71	3818405.69	7.56E-11	3.17E-10	2.86E-11	4.21E-10	6.29E-11	2.33E-10	2.05E-11	3.17E-10	7.13E-12	4.08E-11	4.87E-12	5.29E-11	6.49E-12	2.14E-11	1.47E-12	2.93E-11
1594	470927.47	3818409.45	7.47E-11	3.14E-10	2.83E-11	4.17E-10	6.23E-11	2.31E-10	2.03E-11	3.13E-10	7.06E-12	4.04E-11	4.82E-12	5.23E-11	6.42E-12	2.12E-11	1.46E-12	2.90E-11
1595	470936.23	3818413.22	7.39E-11	3.11E-10	2.80E-11	4.12E-10	6.16E-11	2.28E-10	2.01E-11	3.10E-10	6.98E-12	4.00E-11	4.77E-12	5.17E-11	6.35E-12	2.09E-11	1.44E-12	2.87E-11
1596	470971.28	3818428.26	7.11E-11	2.99E-10	2.69E-11	3.96E-10	5.92E-11	2.19E-10	1.93E-11	2.98E-10	6.71E-12	3.84E-11	4.58E-12	4.97E-11	6.10E-12	2.01E-11	1.39E-12	2.76E-11

1597	470980.04	3818432.02	7.05E-11	2.96E-10	2.66E-11	3.93E-10	5.87E-11	2.17E-10	1.91E-11	2.95E-10	6.65E-12	3.81E-11	4.54E-12	4.93E-11	6.05E-12	1.99E-11	1.37E-12	2.74E-11
1598	470988.8	3818435.78	6.98E-11	2.93E-10	2.64E-11	3.90E-10	5.82E-11	2.16E-10	1.90E-11	2.93E-10	6.59E-12	3.78E-11	4.50E-12	4.89E-11	6.00E-12	1.98E-11	1.36E-12	2.71E-11
1599	470997.57	3818439.54	6.93E-11	2.91E-10	2.62E-11	3.86E-10	5.77E-11	2.14E-10	1.88E-11	2.90E-10	6.54E-12	3.75E-11	4.47E-12	4.85E-11	5.95E-12	1.96E-11	1.35E-12	2.69E-11
1600	471006.33	3818443.3	6.88E-11	2.89E-10	2.60E-11	3.84E-10	5.73E-11	2.12E-10	1.87E-11	2.88E-10	6.50E-12	3.72E-11	4.44E-12	4.81E-11	5.90E-12	1.95E-11	1.34E-12	2.67E-11
1601	471015.09	3818447.06	6.83E-11	2.87E-10	2.58E-11	3.81E-10	5.69E-11	2.11E-10	1.85E-11	2.86E-10	6.45E-12	3.69E-11	4.40E-12	4.78E-11	5.86E-12	1.93E-11	1.33E-12	2.65E-11
1602	471023.85	3818450.82	6.78E-11	2.85E-10	2.56E-11	3.78E-10	5.65E-11	2.09E-10	1.84E-11	2.84E-10	6.40E-12	3.66E-11	4.37E-12	4.74E-11	5.82E-12	1.92E-11	1.32E-12	2.63E-11
1603	471032.61	3818454.58	6.74E-11	2.83E-10	2.55E-11	3.76E-10	5.61E-11	2.08E-10	1.83E-11	2.82E-10	6.36E-12	3.64E-11	4.34E-12	4.71E-11	5.78E-12	1.91E-11	1.31E-12	2.62E-11
1604	471041.38	3818458.34	6.70E-11	2.81E-10	2.53E-11	3.74E-10	5.58E-11	2.07E-10	1.82E-11	2.81E-10	6.32E-12	3.62E-11	4.32E-12	4.69E-11	5.75E-12	1.90E-11	1.31E-12	2.60E-11
1605	471050.14	3818462.11	6.66E-11	2.80E-10	2.52E-11	3.72E-10	5.55E-11	2.06E-10	1.81E-11	2.79E-10	6.29E-12	3.60E-11	4.30E-12	4.66E-11	5.72E-12	1.89E-11	1.30E-12	2.59E-11
1606	471058.9	3818465.87	6.62E-11	2.78E-10	2.50E-11	3.69E-10	5.52E-11	2.04E-10	1.80E-11	2.78E-10	6.25E-12	3.58E-11	4.27E-12	4.63E-11	5.69E-12	1.87E-11	1.29E-12	2.57E-11
1607	471071.22	3818478.47	6.65E-11	2.79E-10	2.52E-11	3.71E-10	5.54E-11	2.05E-10	1.81E-11	2.79E-10	6.28E-12	3.60E-11	4.29E-12	4.65E-11	5.71E-12	1.88E-11	1.30E-12	2.58E-11
1608	471074.78	3818487.32	6.72E-11	2.82E-10	2.54E-11	3.75E-10	5.60E-11	2.07E-10	1.82E-11	2.82E-10	6.35E-12	3.63E-11	4.34E-12	4.70E-11	5.77E-12	1.90E-11	1.31E-12	2.61E-11
1609	471078.35	3818496.16	6.80E-11	2.85E-10	2.57E-11	3.79E-10	5.66E-11	2.10E-10	1.85E-11	2.85E-10	6.42E-12	3.67E-11	4.38E-12	4.76E-11	5.84E-12	1.92E-11	1.33E-12	2.64E-11
1610	471081.91	3818505.01	6.87E-11	2.89E-10	2.60E-11	3.83E-10	5.72E-11	2.12E-10	1.87E-11	2.88E-10	6.49E-12	3.71E-11	4.43E-12	4.81E-11	5.90E-12	1.95E-11	1.34E-12	2.67E-11
1611	471085.47	3818513.85	6.95E-11	2.92E-10	2.63E-11	3.88E-10	5.79E-11	2.15E-10	1.89E-11	2.91E-10	6.57E-12	3.76E-11	4.48E-12	4.86E-11	5.97E-12	1.97E-11	1.36E-12	2.70E-11
1612	471089.03	3818522.7	7.03E-11	2.95E-10	2.66E-11	3.92E-10	5.86E-11	2.17E-10	1.91E-11	2.95E-10	6.64E-12	3.80E-11	4.54E-12	4.92E-11	6.04E-12	1.99E-11	1.37E-12	2.73E-11
1613	471092.59	3818531.54	7.13E-11	2.99E-10	2.70E-11	3.97E-10	5.94E-11	2.20E-10	1.93E-11	2.99E-10	6.73E-12	3.85E-11	4.60E-12	4.99E-11	6.12E-12	2.02E-11	1.39E-12	2.77E-11
1614	471096.15	3818540.39	7.22E-11	3.03E-10	2.73E-11	4.03E-10	6.01E-11	2.23E-10	1.96E-11	3.03E-10	6.82E-12	3.90E-11	4.66E-12	5.05E-11	6.20E-12	2.04E-11	1.41E-12	2.80E-11
1615	471099.71	3818549.23	7.31E-11	3.07E-10	2.77E-11	4.08E-10	6.09E-11	2.26E-10	1.99E-11	3.06E-10	6.91E-12	3.95E-11	4.72E-12	5.12E-11	6.28E-12	2.07E-11	1.43E-12	2.84E-11
1616	471103.27	3818558.08	7.42E-11	3.12E-10	2.81E-11	4.14E-10	6.18E-11	2.29E-10	2.01E-11	3.11E-10	7.01E-12	4.01E-11	4.79E-12	5.19E-11	6.37E-12	2.10E-11	1.45E-12	2.88E-11
1617	471106.83	3818566.92	7.52E-11	3.16E-10	2.85E-11	4.20E-10	6.27E-11	2.32E-10	2.04E-11	3.15E-10	7.11E-12	4.07E-11	4.85E-12	5.26E-11	6.46E-12	2.13E-11	1.47E-12	2.92E-11
1618	471110.39	3818575.77	7.64E-11	3.21E-10	2.89E-11	4.26E-10	6.36E-11	2.36E-10	2.07E-11	3.20E-10	7.21E-12	4.13E-11	4.93E-12	5.34E-11	6.56E-12	2.16E-11	1.49E-12	2.97E-11
1619	471113.95	3818584.61	7.75E-11	3.25E-10	2.93E-11	4.32E-10	6.45E-11	2.39E-10	2.10E-11	3.25E-10	7.32E-12	4.19E-11	5.00E-12	5.42E-11	6.65E-12	2.19E-11	1.51E-12	3.01E-11
1620	471117.52	3818593.46	7.87E-11	3.31E-10	2.98E-11	4.39E-10	6.56E-11	2.43E-10	2.14E-11	3.30E-10	7.43E-12	4.26E-11	5.08E-12	5.51E-11	6.76E-12	2.23E-11	1.54E-12	3.06E-11
1621	471121.08	3818602.3	8.00E-11	3.36E-10	3.02E-11	4.46E-10	6.66E-11	2.47E-10	2.17E-11	3.35E-10	7.55E-12	4.32E-11	5.16E-12	5.59E-11	6.86E-12	2.26E-11	1.56E-12	3.11E-11
1622	471135.32	3818637.69	8.54E-11	3.59E-10	3.23E-11	4.77E-10	7.12E-11	2.64E-10	2.32E-11	3.58E-10	8.07E-12	4.62E-11	5.51E-12	5.98E-11	7.33E-12	2.42E-11	1.67E-12	3.32E-11
1623	471138.88	3818646.53	8.69E-11	3.65E-10	3.29E-11	4.85E-10	7.24E-11	2.68E-10	2.36E-11	3.64E-10	8.21E-12	4.70E-11	5.61E-12	6.08E-11	7.46E-12	2.46E-11	1.70E-12	3.38E-11
1624	471142.44	3818655.38	8.85E-11	3.72E-10	3.35E-11	4.93E-10	7.37E-11	2.73E-10	2.40E-11	3.71E-10	8.36E-12	4.78E-11	5.71E-12	6.19E-11	7.60E-12	2.50E-11	1.73E-12	3.44E-11
1625	471146	3818664.22	9.00E-11	3.78E-10	3.40E-11	5.02E-10	7.50E-11	2.78E-10	2.44E-11	3.77E-10	8.50E-12	4.87E-11	5.81E-12	6.30E-11	7.73E-12	2.55E-11	1.76E-12	3.50E-11
1626	471149.56	3818673.07	9.16E-11	3.85E-10	3.47E-11	5.11E-10	7.63E-11	2.83E-10	2.49E-11	3.84E-10	8.65E-12	4.95E-11	5.91E-12	6.41E-11	7.87E-12	2.59E-11	1.79E-12	3.56E-11
1627	471153.13	3818681.91	9.34E-11	3.92E-10	3.53E-11	5.21E-10	7.78E-11	2.88E-10	2.54E-11	3.91E-10	8.82E-12	5.05E-11	6.02E-12	6.53E-11	8.02E-12	2.64E-11	1.82E-12	3.63E-11
1628	471156.69	3818690.76	9.51E-11	3.99E-10	3.60E-11	5.31E-10	7.92E-11	2.94E-10	2.58E-11	3.99E-10	8.98E-12	5.14E-11	6.14E-12	6.65E-11	8.17E-12	2.69E-11	1.86E-12	3.69E-11
1629	471160.25	3818699.6	9.69E-11	4.07E-10	3.66E-11	5.40E-10	8.07E-11	2.99E-10	2.63E-11	4.06E-10	9.15E-12	5.24E-11	6.25E-12	6.78E-11	8.32E-12	2.74E-11	1.89E-12	3.76E-11
1630	471163.81	3818708.45	9.87E-11	4.15E-10	3.73E-11	5.51E-10	8.22E-11	3.05E-10	2.68E-11	4.14E-10	9.32E-12	5.34E-11	6.37E-12	6.91E-11	8.48E-12	2.79E-11	1.93E-12	3.83E-11
1631	471167.37	3818717.29	1.01E-10	4.22E-10	3.80E-11	5.61E-10	8.38E-11	3.10E-10	2.73E-11	4.22E-10	9.50E-12	5.44E-11	6.49E-12	7.04E-11	8.64E-12	2.85E-11	1.96E-12	3.91E-11
1632	471170.93	3818726.14	1.03E-10	4.31E-10	3.88E-11	5.72E-10	8.54E-11	3.17E-10	2.78E-11	4.30E-10	9.69E-12	5.55E-11	6.62E-12	7.18E-11	8.81E-12	2.90E-11	2.00E-12	3.98E-11
1633	471174.49	3818734.98	1.05E-10	4.39E-10	3.95E-11	5.83E-10	8.71E-11	3.23E-10	2.84E-11	4.38E-10	9.87E-12	5.65E-11	6.74E-12	7.31E-11	8.98E-12	2.96E-11	2.04E-12	4.06E-11
1634	471178.05	3818743.83	1.07E-10	4.48E-10	4.03E-11	5.95E-10	8.88E-11	3.29E-10	2.89E-11	4.47E-10	1.01E-11	5.76E-11	6.88E-12	7.46E-11	9.15E-12	3.02E-11	2.08E-12	4.14E-11
1635	471181.61	3818752.67	1.09E-10	4.57E-10	4.11E-11	6.06E-10	9.06E-11	3.36E-10	2.95E-11	4.56E-10	1.03E-11	5.88E-11	7.01E-12	7.61E-11	9.33E-12	3.08E-11	2.12E-12	4.22E-11
1636	471185.17	3818761.52	1.11E-10	4.66E-10	4.19E-11	6.19E-10	9.24E-11	3.42E-10	3.01E-11	4.65E-10	1.05E-11	6.00E-11	7.15E-12	7.76E-11	9.52E-12	3.14E-11	2.16E-12	4.31E-11
1637	471188.74	3818770.36	1.13E-10	4.75E-10	4.28E-11	6.31E-10	9.42E-11	3.49E-10	3.07E-11	4.74E-10	1.07E-11	6.11E-11	7.29E-12	7.91E-11	9.71E-12	3.20E-11	2.21E-12	4.39E-11
1638	471192.3	3818779.21	1.15E-10	4.85E-10	4.36E-11	6.44E-10	9.61E-11	3.56E-10	3.13E-11	4.83E-10	1.09E-11	6.24E-11	7.44E-12	8.07E-11	9.91E-12	3.27E-11	2.25E-12	4.48E-11
1639	471195.86	3818788.05	1.18E-10	4.94E-10	4.45E-11	6.57E-10	9.81E-11	3.63E-10	3.20E-11	4.93E-10	1.11E-11	6.37E-11	7.59E-12	8.24E-11	1.01E-11	3.33E-11	2.30E-12	4.57E-11
1640	471199.42	3818796.9	1.20E-10	5.04E-10	4.54E-11	6.70E-10	1.00E-10	3.71E-10	3.26E-11	5.03E-10	1.13E-11	6.49E-11	7.75E-12	8.40E-11	1.03E-11	3.40E-11	2.34E-12	4.66E-11
1641	471202.98	3818805.74	1.23E-10	5.15E-10	4.63E-11	6.83E-10	1.02E-10	3.78E-10	3.33E-11	5.13E-10	1.16E-11	6.62E-11	7.90E-12	8.57E-11	1.05E-11	3.47E-11	2.39E-12	4.76E-11
1642	471206.54	3818814.59	1.25E-10	5.25E-10	4.73E-11	6.97E-10	1.04E-10	3.86E-10	3.39E-11	5.24E-10	1.18E-11	6.76E-11	8.06E-12	8.74E-11	1.07E-11	3.54E-11	2.44E-12	4.86E-11
1643	471210.1	3818823.43	1.28E-10	5.36E-10	4.82E-11	7.11E-10	1.06E-10	3.94E-10	3.46E-11	5.34E-10	1.20E-11	6.90E-11	8.23E-12	8.92E-11	1.10E-11	3.61E-11	2.49E-12	4.95E-11
1644	471213.66	3818832.28	1.30E-10	5.47E-10	4.92E-11	7.26E-10	1.08E-10	4.02E-10	3.53E-11	5.45E-10	1.23E-11	7.04E-11	8.40E-12	9.11E-11	1.12E-11	3.68E-11	2.54E-12	5.06E-11
1645	471217.22	3818841.12	1.33E-10	5.58E-10	5.02E-11	7.41E-10	1.11E-10	4.10E-10	3.60E-11	5.56E-10	1.25E-11	7.18E-11	8.56E-12	9.29E-11	1.14E-11	3.76E-11	2.59E-12	5.16E-11
1646	471220.78	3818849.97	1.36E-10	5.69E-10	5.12E-11	7.56E-10	1.13E-10	4.18E-10	3.68E-11	5.68E-10	1.28E-11	7.33E-11	8.74E-12	9.48E-11	1.16E-11	3.84E-11	2.64E-12	5.26E-11

1647	471224.35	3818858.81	1.38E-10	5.81E-10	5.23E-11	7.71E-10	1.15E-10	4.27E-10	3.75E-11	5.80E-10	1.31E-11	7.48E-11	8.92E-12	9.68E-11	1.19E-11	3.91E-11	2.70E-12	5.37E-11
1648	471227.91	3818867.66	1.41E-10	5.93E-10	5.34E-11	7.87E-10	1.18E-10	4.36E-10	3.83E-11	5.92E-10	1.33E-11	7.63E-11	9.11E-12	9.88E-11	1.21E-11	4.00E-11	2.75E-12	5.48E-11
1649	471231.47	3818876.5	1.44E-10	6.05E-10	5.45E-11	8.04E-10	1.20E-10	4.45E-10	3.91E-11	6.04E-10	1.36E-11	7.79E-11	9.29E-12	1.01E-10	1.24E-11	4.08E-11	2.81E-12	5.60E-11
1650	471235.03	3818885.35	1.47E-10	6.17E-10	5.56E-11	8.20E-10	1.22E-10	4.54E-10	3.99E-11	6.16E-10	1.39E-11	7.95E-11	9.48E-12	1.03E-10	1.26E-11	4.16E-11	2.87E-12	5.71E-11
1651	471238.59	3818894.2	1.50E-10	6.30E-10	5.67E-11	8.37E-10	1.25E-10	4.63E-10	4.07E-11	6.29E-10	1.42E-11	8.11E-11	9.68E-12	1.05E-10	1.29E-11	4.25E-11	2.93E-12	5.83E-11
1652	471242.15	3818903.04	1.53E-10	6.43E-10	5.79E-11	8.54E-10	1.28E-10	4.73E-10	4.16E-11	6.42E-10	1.45E-11	8.28E-11	9.88E-12	1.07E-10	1.31E-11	4.34E-11	2.99E-12	5.95E-11
1653	471245.71	3818911.89	1.56E-10	6.56E-10	5.91E-11	8.72E-10	1.30E-10	4.82E-10	4.24E-11	6.55E-10	1.48E-11	8.45E-11	1.01E-11	1.09E-10	1.34E-11	4.42E-11	3.05E-12	6.07E-11
1654	471249.27	3818920.73	1.59E-10	6.70E-10	6.03E-11	8.90E-10	1.33E-10	4.92E-10	4.33E-11	6.68E-10	1.51E-11	8.62E-11	1.03E-11	1.12E-10	1.37E-11	4.51E-11	3.11E-12	6.20E-11
1655	471252.83	3818929.58	1.63E-10	6.84E-10	6.16E-11	9.08E-10	1.36E-10	5.02E-10	4.42E-11	6.82E-10	1.54E-11	8.80E-11	1.05E-11	1.14E-10	1.40E-11	4.61E-11	3.18E-12	6.32E-11
1656	471263.52	3818956.11	1.73E-10	7.26E-10	6.54E-11	9.64E-10	1.44E-10	5.33E-10	4.69E-11	7.24E-10	1.63E-11	9.34E-11	1.11E-11	1.21E-10	1.48E-11	4.89E-11	3.37E-12	6.71E-11
1657	471267.08	3818964.96	1.76E-10	7.41E-10	6.67E-11	9.84E-10	1.47E-10	5.44E-10	4.79E-11	7.39E-10	1.67E-11	9.53E-11	1.14E-11	1.23E-10	1.51E-11	4.99E-11	3.44E-12	6.85E-11
1658	471270.64	3818973.8	1.80E-10	7.55E-10	6.80E-11	1.00E-09	1.50E-10	5.55E-10	4.88E-11	7.53E-10	1.70E-11	9.72E-11	1.16E-11	1.26E-10	1.54E-11	5.09E-11	3.51E-12	6.98E-11
1659	471274.2	3818982.65	1.83E-10	7.70E-10	6.93E-11	1.02E-09	1.53E-10	5.66E-10	4.98E-11	7.68E-10	1.73E-11	9.91E-11	1.18E-11	1.28E-10	1.57E-11	5.19E-11	3.58E-12	7.12E-11
1660	471277.76	3818991.49	1.87E-10	7.85E-10	7.07E-11	1.04E-09	1.56E-10	5.77E-10	5.07E-11	7.83E-10	1.76E-11	1.01E-10	1.21E-11	1.31E-10	1.60E-11	5.29E-11	3.65E-12	7.26E-11
1661	471281.32	3819000.34	1.90E-10	8.00E-10	7.20E-11	1.06E-09	1.59E-10	5.88E-10	5.17E-11	7.98E-10	1.80E-11	1.03E-10	1.23E-11	1.33E-10	1.63E-11	5.39E-11	3.72E-12	7.40E-11
1662	471284.88	3819009.18	1.94E-10	8.15E-10	7.34E-11	1.08E-09	1.62E-10	5.99E-10	5.27E-11	8.13E-10	1.83E-11	1.05E-10	1.25E-11	1.36E-10	1.67E-11	5.49E-11	3.79E-12	7.54E-11
1663	471288.44	3819018.03	1.98E-10	8.30E-10	7.47E-11	1.10E-09	1.65E-10	6.10E-10	5.36E-11	8.28E-10	1.87E-11	1.07E-10	1.27E-11	1.38E-10	1.70E-11	5.59E-11	3.86E-12	7.67E-11
1664	471313.37	3819079.94	2.22E-10	9.33E-10	8.41E-11	1.24E-09	1.85E-10	6.86E-10	6.03E-11	9.31E-10	2.10E-11	1.20E-10	1.43E-11	1.55E-10	1.91E-11	6.29E-11	4.34E-12	8.63E-11
1665	471316.93	3819088.79	2.26E-10	9.47E-10	8.53E-11	1.26E-09	1.88E-10	6.96E-10	6.12E-11	9.45E-10	2.13E-11	1.22E-10	1.46E-11	1.58E-10	1.94E-11	6.39E-11	4.40E-12	8.76E-11
1666	471320.49	3819097.63	2.29E-10	9.61E-10	8.66E-11	1.28E-09	1.91E-10	7.06E-10	6.21E-11	9.59E-10	2.16E-11	1.24E-10	1.48E-11	1.60E-10	1.97E-11	6.48E-11	4.47E-12	8.89E-11
1667	471324.05	3819106.48	2.32E-10	9.75E-10	8.78E-11	1.29E-09	1.93E-10	7.16E-10	6.30E-11	9.73E-10	2.19E-11	1.25E-10	1.50E-11	1.62E-10	1.99E-11	6.57E-11	4.53E-12	9.02E-11
1668	471327.61	3819115.32	2.35E-10	9.88E-10	8.90E-11	1.31E-09	1.96E-10	7.26E-10	6.39E-11	9.86E-10	2.22E-11	1.27E-10	1.52E-11	1.65E-10	2.02E-11	6.66E-11	4.59E-12	9.14E-11
1669	471331.18	3819124.17	2.38E-10	1.00E-09	9.02E-11	1.33E-09	1.99E-10	7.36E-10	6.47E-11	9.99E-10	2.25E-11	1.29E-10	1.54E-11	1.67E-10	2.05E-11	6.75E-11	4.65E-12	9.26E-11
1670	471334.74	3819133.01	2.41E-10	1.01E-09	9.13E-11	1.35E-09	2.01E-10	7.45E-10	6.55E-11	1.01E-09	2.28E-11	1.31E-10	1.56E-11	1.69E-10	2.07E-11	6.83E-11	4.71E-12	9.38E-11
1671	471341.86	3819150.7	2.47E-10	1.04E-09	9.35E-11	1.38E-09	2.06E-10	7.63E-10	6.71E-11	1.04E-09	2.34E-11	1.34E-10	1.60E-11	1.73E-10	2.12E-11	7.00E-11	4.83E-12	9.61E-11
1672	471345.42	3819159.55	2.50E-10	1.05E-09	9.46E-11	1.39E-09	2.08E-10	7.72E-10	6.79E-11	1.05E-09	2.36E-11	1.35E-10	1.61E-11	1.75E-10	2.15E-11	7.08E-11	4.88E-12	9.71E-11
1673	471348.98	3819168.4	2.53E-10	1.06E-09	9.56E-11	1.41E-09	2.11E-10	7.80E-10	6.86E-11	1.06E-09	2.39E-11	1.37E-10	1.63E-11	1.77E-10	2.17E-11	7.15E-11	4.93E-12	9.82E-11
1674	471352.54	3819177.24	2.55E-10	1.07E-09	9.66E-11	1.42E-09	2.13E-10	7.88E-10	6.93E-11	1.07E-09	2.41E-11	1.38E-10	1.65E-11	1.79E-10	2.19E-11	7.23E-11	4.98E-12	9.92E-11
1675	471356.1	3819186.09	2.58E-10	1.08E-09	9.75E-11	1.44E-09	2.15E-10	7.96E-10	7.00E-11	1.08E-09	2.43E-11	1.39E-10	1.66E-11	1.80E-10	2.21E-11	7.30E-11	5.03E-12	1.00E-10
1676	471359.66	3819194.93	2.60E-10	1.09E-09	9.84E-11	1.45E-09	2.17E-10	8.03E-10	7.06E-11	1.09E-09	2.46E-11	1.41E-10	1.68E-11	1.82E-10	2.23E-11	7.36E-11	5.07E-12	1.01E-10
1677	471363.22	3819203.78	2.62E-10	1.10E-09	9.92E-11	1.46E-09	2.18E-10	8.09E-10	7.12E-11	1.10E-09	2.48E-11	1.42E-10	1.69E-11	1.83E-10	2.25E-11	7.43E-11	5.12E-12	1.02E-10
1678	471366.79	3819212.62	2.64E-10	1.11E-09	1.00E-10	1.47E-09	2.20E-10	8.16E-10	7.18E-11	1.11E-09	2.50E-11	1.43E-10	1.71E-11	1.85E-10	2.27E-11	7.48E-11	5.16E-12	1.03E-10
1679	471370.35	3819221.47	2.66E-10	1.12E-09	1.01E-10	1.49E-09	2.22E-10	8.22E-10	7.23E-11	1.12E-09	2.52E-11	1.44E-10	1.72E-11	1.86E-10	2.29E-11	7.54E-11	5.20E-12	1.03E-10
1680	470248.79	3818138	1.63E-10	6.84E-10	6.16E-11	9.09E-10	1.36E-10	5.03E-10	4.42E-11	6.83E-10	1.54E-11	8.81E-11	1.05E-11	1.14E-10	1.40E-11	4.61E-11	3.18E-12	6.33E-11
1681	470239.22	3818137.87	1.65E-10	6.91E-10	6.22E-11	9.18E-10	1.37E-10	5.08E-10	4.47E-11	6.90E-10	1.55E-11	8.90E-11	1.06E-11	1.15E-10	1.41E-11	4.66E-11	3.21E-12	6.39E-11
1682	470229.66	3818137.73	1.66E-10	6.97E-10	6.28E-11	9.26E-10	1.38E-10	5.12E-10	4.51E-11	6.96E-10	1.57E-11	8.98E-11	1.07E-11	1.16E-10	1.43E-11	4.70E-11	3.24E-12	6.45E-11
1683	470220.1	3818137.6	1.67E-10	7.03E-10	6.33E-11	9.34E-10	1.39E-10	5.17E-10	4.55E-11	7.02E-10	1.58E-11	9.05E-11	1.08E-11	1.17E-10	1.44E-11	4.74E-11	3.27E-12	6.50E-11
1684	470210.54	3818137.46	1.69E-10	7.09E-10	6.38E-11	9.42E-10	1.41E-10	5.21E-10	4.58E-11	7.07E-10	1.59E-11	9.13E-11	1.09E-11	1.18E-10	1.45E-11	4.78E-11	3.29E-12	6.56E-11
1685	470200.98	3818137.33	1.70E-10	7.14E-10	6.43E-11	9.48E-10	1.42E-10	5.25E-10	4.61E-11	7.12E-10	1.61E-11	9.19E-11	1.10E-11	1.19E-10	1.46E-11	4.81E-11	3.32E-12	6.60E-11
1686	470191.41	3818137.19	1.71E-10	7.19E-10	6.47E-11	9.54E-10	1.43E-10	5.28E-10	4.65E-11	7.17E-10	1.62E-11	9.25E-11	1.10E-11	1.20E-10	1.47E-11	4.84E-11	3.34E-12	6.65E-11
1687	470181.85	3818137.06	1.72E-10	7.23E-10	6.51E-11	9.60E-10	1.43E-10	5.31E-10	4.67E-11	7.21E-10	1.63E-11	9.31E-11	1.11E-11	1.20E-10	1.48E-11	4.87E-11	3.36E-12	6.69E-11
1688	470172.29	3818136.92	1.73E-10	7.26E-10	6.54E-11	9.65E-10	1.44E-10	5.34E-10	4.70E-11	7.25E-10	1.63E-11	9.35E-11	1.12E-11	1.21E-10	1.48E-11	4.90E-11	3.38E-12	6.72E-11
1689	470162.73	3818136.79	1.74E-10	7.29E-10	6.57E-11	9.69E-10	1.45E-10	5.36E-10	4.71E-11	7.28E-10	1.64E-11	9.39E-11	1.12E-11	1.21E-10	1.49E-11	4.92E-11	3.39E-12	6.75E-11
1690	470153.16	3818136.65	1.74E-10	7.31E-10	6.59E-11	9.71E-10	1.45E-10	5.37E-10	4.73E-11	7.30E-10	1.64E-11	9.42E-11	1.12E-11	1.22E-10	1.50E-11	4.93E-11	3.40E-12	6.76E-11
1691	470143.6	3818136.52	1.74E-10	7.33E-10	6.60E-11	9.73E-10	1.45E-10	5.38E-10	4.74E-11	7.31E-10	1.65E-11	9.43E-11	1.13E-11	1.22E-10	1.50E-11	4.94E-11	3.40E-12	6.78E-11
1692	470134.04	3818136.38	1.75E-10	7.33E-10	6.60E-11	9.74E-10	1.45E-10	5.39E-10	4.74E-11	7.32E-10	1.65E-11	9.44E-11	1.13E-11	1.22E-10	1.50E-11	4.94E-11	3.41E-12	6.78E-11
1693	470124.48	3818136.25	1.74E-10	7.33E-10	6.60E-11	9.73E-10	1.45E-10	5.38E-10	4.74E-11	7.31E-10	1.65E-11	9.43E-11	1.13E-11	1.22E-10	1.50E-11	4.94E-11	3.40E-12	6.78E-11
1694	470445.74	3818122.22	1.18E-10	4.95E-10	4.46E-11	6.57E-10	9.81E-11	3.64E-10	3.20E-11	4.94E-10	1.11E-11	6.37E-11	7.60E-12	8.24E-11	1.01E-11	3.33E-11	2.30E-12	4.58E-11
1695	470454.45	3818125.95	1.17E-10	4.90E-10	4.41E-11	6.51E-10	9.72E-11	3.60E-10	3.17E-11	4.89E-10	1.10E-11	6.31E-11	7.53E-12	8.16E-11	1.00E-11	3.30E-11	2.28E-12	4.53E-11
1696	470463.16	3818129.69	1.16E-10	4.85E-10	4.37E-11	6.45E-10	9.63E-11	3.57E-10	3.14E-11	4.84E-10	1.09E-11	6.25E-11	7.45E-12	8.08E-11	9.92E-12	3.27E-11	2.26E-12	4.49E-11

1697	470471.86	3818133.43	1.14E-10	4.81E-10	4.33E-11	6.38E-10	9.53E-11	3.53E-10	3.11E-11	4.80E-10	1.08E-11	6.19E-11	7.38E-12	8.01E-11	9.83E-12	3.24E-11	2.23E-12	4.45E-11
1698	470480.57	3818137.16	1.13E-10	4.76E-10	4.29E-11	6.33E-10	9.45E-11	3.50E-10	3.08E-11	4.75E-10	1.07E-11	6.13E-11	7.32E-12	7.94E-11	9.74E-12	3.21E-11	2.21E-12	4.41E-11
1699	470489.28	3818140.9	1.13E-10	4.73E-10	4.26E-11	6.28E-10	9.37E-11	3.47E-10	3.05E-11	4.71E-10	1.06E-11	6.08E-11	7.26E-12	7.87E-11	9.66E-12	3.19E-11	2.20E-12	4.37E-11
1700	470497.98	3818144.64	1.12E-10	4.69E-10	4.22E-11	6.23E-10	9.30E-11	3.45E-10	3.03E-11	4.68E-10	1.05E-11	6.04E-11	7.20E-12	7.81E-11	9.58E-12	3.16E-11	2.18E-12	4.34E-11
1701	470506.69	3818148.38	1.11E-10	4.64E-10	4.18E-11	6.17E-10	9.21E-11	3.41E-10	3.00E-11	4.63E-10	1.04E-11	5.98E-11	7.13E-12	7.74E-11	9.49E-12	3.13E-11	2.16E-12	4.30E-11
1702	470515.4	3818152.11	1.10E-10	4.60E-10	4.14E-11	6.11E-10	9.12E-11	3.38E-10	2.97E-11	4.59E-10	1.03E-11	5.92E-11	7.07E-12	7.66E-11	9.40E-12	3.10E-11	2.14E-12	4.25E-11
1703	470524.1	3818155.85	1.09E-10	4.56E-10	4.11E-11	6.05E-10	9.04E-11	3.35E-10	2.95E-11	4.55E-10	1.03E-11	5.87E-11	7.00E-12	7.59E-11	9.32E-12	3.07E-11	2.12E-12	4.22E-11
1704	470532.81	3818159.59	1.08E-10	4.52E-10	4.07E-11	6.01E-10	8.97E-11	3.32E-10	2.92E-11	4.51E-10	1.02E-11	5.82E-11	6.95E-12	7.53E-11	9.24E-12	3.05E-11	2.10E-12	4.18E-11
1705	470541.52	3818163.32	1.07E-10	4.49E-10	4.04E-11	5.96E-10	8.90E-11	3.30E-10	2.90E-11	4.48E-10	1.01E-11	5.78E-11	6.89E-12	7.48E-11	9.17E-12	3.03E-11	2.09E-12	4.15E-11
1706	470550.22	3818167.06	1.06E-10	4.46E-10	4.02E-11	5.92E-10	8.84E-11	3.28E-10	2.88E-11	4.45E-10	1.00E-11	5.74E-11	6.85E-12	7.43E-11	9.12E-12	3.01E-11	2.07E-12	4.12E-11
1707	470558.93	3818170.8	1.05E-10	4.43E-10	3.99E-11	5.88E-10	8.78E-11	3.25E-10	2.86E-11	4.42E-10	9.96E-12	5.70E-11	6.80E-12	7.38E-11	9.05E-12	2.98E-11	2.06E-12	4.10E-11
1708	470567.64	3818174.54	1.05E-10	4.39E-10	3.95E-11	5.83E-10	8.71E-11	3.22E-10	2.84E-11	4.38E-10	9.87E-12	5.65E-11	6.74E-12	7.31E-11	8.97E-12	2.96E-11	2.04E-12	4.06E-11
1709	470576.34	3818178.27	1.04E-10	4.35E-10	3.92E-11	5.78E-10	8.63E-11	3.20E-10	2.81E-11	4.34E-10	9.78E-12	5.60E-11	6.68E-12	7.25E-11	8.89E-12	2.93E-11	2.02E-12	4.02E-11
1710	470585.05	3818182.01	1.03E-10	4.31E-10	3.88E-11	5.73E-10	8.56E-11	3.17E-10	2.79E-11	4.30E-10	9.70E-12	5.55E-11	6.62E-12	7.18E-11	8.82E-12	2.91E-11	2.00E-12	3.99E-11
1711	470593.76	3818185.75	1.02E-10	4.28E-10	3.85E-11	5.68E-10	8.48E-11	3.14E-10	2.76E-11	4.27E-10	9.62E-12	5.51E-11	6.57E-12	7.12E-11	8.74E-12	2.88E-11	1.99E-12	3.96E-11
1712	470602.46	3818189.48	1.01E-10	4.24E-10	3.82E-11	5.63E-10	8.41E-11	3.12E-10	2.74E-11	4.23E-10	9.53E-12	5.46E-11	6.51E-12	7.06E-11	8.67E-12	2.86E-11	1.97E-12	3.92E-11
1713	470611.17	3818193.22	1.00E-10	4.20E-10	3.79E-11	5.58E-10	8.34E-11	3.09E-10	2.72E-11	4.19E-10	9.45E-12	5.41E-11	6.46E-12	7.00E-11	8.59E-12	2.83E-11	1.95E-12	3.89E-11
1714	470619.88	3818196.96	9.92E-11	4.17E-10	3.75E-11	5.53E-10	8.26E-11	3.06E-10	2.69E-11	4.16E-10	9.37E-12	5.36E-11	6.40E-12	6.94E-11	8.52E-12	2.81E-11	1.94E-12	3.85E-11
1715	470628.58	3818200.69	9.84E-11	4.13E-10	3.72E-11	5.49E-10	8.19E-11	3.04E-10	2.67E-11	4.12E-10	9.29E-12	5.32E-11	6.34E-12	6.88E-11	8.44E-12	2.78E-11	1.92E-12	3.82E-11
1716	470637.29	3818204.43	9.75E-11	4.09E-10	3.69E-11	5.44E-10	8.12E-11	3.01E-10	2.65E-11	4.08E-10	9.21E-12	5.27E-11	6.29E-12	6.82E-11	8.37E-12	2.76E-11	1.90E-12	3.79E-11
1717	470646	3818208.17	9.66E-11	4.06E-10	3.65E-11	5.39E-10	8.05E-11	2.98E-10	2.62E-11	4.05E-10	9.12E-12	5.22E-11	6.23E-12	6.76E-11	8.29E-12	2.73E-11	1.89E-12	3.75E-11
1718	470654.7	3818211.91	9.57E-11	4.02E-10	3.62E-11	5.34E-10	7.98E-11	2.95E-10	2.60E-11	4.01E-10	9.04E-12	5.18E-11	6.18E-12	6.70E-11	8.22E-12	2.71E-11	1.87E-12	3.72E-11
1719	470663.41	3818215.64	9.49E-11	3.98E-10	3.59E-11	5.29E-10	7.90E-11	2.93E-10	2.58E-11	3.98E-10	8.96E-12	5.13E-11	6.12E-12	6.64E-11	8.14E-12	2.69E-11	1.85E-12	3.69E-11
1720	470672.12	3818219.38	9.41E-11	3.95E-10	3.56E-11	5.25E-10	7.84E-11	2.90E-10	2.55E-11	3.94E-10	8.88E-12	5.09E-11	6.07E-12	6.58E-11	8.08E-12	2.66E-11	1.84E-12	3.65E-11
1721	470680.82	3818223.12	9.32E-11	3.91E-10	3.52E-11	5.20E-10	7.76E-11	2.88E-10	2.53E-11	3.91E-10	8.80E-12	5.04E-11	6.01E-12	6.52E-11	8.00E-12	2.64E-11	1.82E-12	3.62E-11
1722	470689.53	3818226.85	9.23E-11	3.88E-10	3.49E-11	5.15E-10	7.69E-11	2.85E-10	2.51E-11	3.87E-10	8.72E-12	4.99E-11	5.96E-12	6.46E-11	7.93E-12	2.61E-11	1.80E-12	3.59E-11
1723	470698.24	3818230.59	9.15E-11	3.84E-10	3.46E-11	5.10E-10	7.62E-11	2.82E-10	2.48E-11	3.83E-10	8.64E-12	4.94E-11	5.90E-12	6.40E-11	7.85E-12	2.59E-11	1.78E-12	3.55E-11
1724	470706.94	3818234.33	9.07E-11	3.81E-10	3.43E-11	5.06E-10	7.55E-11	2.80E-10	2.46E-11	3.80E-10	8.56E-12	4.90E-11	5.85E-12	6.34E-11	7.78E-12	2.57E-11	1.77E-12	3.52E-11
1725	470715.65	3818238.06	8.98E-11	3.77E-10	3.40E-11	5.01E-10	7.48E-11	2.77E-10	2.44E-11	3.76E-10	8.48E-12	4.85E-11	5.79E-12	6.28E-11	7.71E-12	2.54E-11	1.75E-12	3.49E-11
1726	470724.36	3818241.8	8.89E-11	3.73E-10	3.36E-11	4.96E-10	7.41E-11	2.74E-10	2.41E-11	3.73E-10	8.40E-12	4.81E-11	5.73E-12	6.22E-11	7.63E-12	2.52E-11	1.73E-12	3.45E-11
1727	470733.07	3818245.54	8.80E-11	3.70E-10	3.33E-11	4.91E-10	7.33E-11	2.72E-10	2.39E-11	3.69E-10	8.31E-12	4.76E-11	5.68E-12	6.16E-11	7.56E-12	2.49E-11	1.72E-12	3.42E-11
1728	470741.77	3818249.28	8.72E-11	3.66E-10	3.30E-11	4.86E-10	7.26E-11	2.69E-10	2.37E-11	3.65E-10	8.23E-12	4.71E-11	5.62E-12	6.10E-11	7.48E-12	2.47E-11	1.70E-12	3.39E-11
1729	470750.48	3818253.01	8.63E-11	3.62E-10	3.26E-11	4.81E-10	7.19E-11	2.66E-10	2.34E-11	3.62E-10	8.15E-12	4.67E-11	5.57E-12	6.04E-11	7.41E-12	2.44E-11	1.68E-12	3.35E-11
1730	470759.19	3818256.75	8.54E-11	3.59E-10	3.23E-11	4.77E-10	7.12E-11	2.64E-10	2.32E-11	3.58E-10	8.07E-12	4.62E-11	5.51E-12	5.98E-11	7.33E-12	2.42E-11	1.67E-12	3.32E-11
1731	470767.89	3818260.49	8.46E-11	3.55E-10	3.20E-11	4.72E-10	7.04E-11	2.61E-10	2.30E-11	3.54E-10	7.99E-12	4.57E-11	5.45E-12	5.92E-11	7.26E-12	2.39E-11	1.65E-12	3.28E-11
1732	470776.6	3818264.22	8.37E-11	3.51E-10	3.17E-11	4.67E-10	6.97E-11	2.58E-10	2.27E-11	3.51E-10	7.90E-12	4.52E-11	5.40E-12	5.85E-11	7.18E-12	2.37E-11	1.63E-12	3.25E-11
1733	470785.31	3818267.96	8.28E-11	3.48E-10	3.13E-11	4.62E-10	6.89E-11	2.55E-10	2.25E-11	3.47E-10	7.82E-12	4.47E-11	5.34E-12	5.79E-11	7.10E-12	2.34E-11	1.61E-12	3.21E-11
1734	470794.01	3818271.7	8.19E-11	3.44E-10	3.10E-11	4.57E-10	6.82E-11	2.53E-10	2.22E-11	3.43E-10	7.73E-12	4.43E-11	5.28E-12	5.73E-11	7.03E-12	2.32E-11	1.60E-12	3.18E-11
1735	470802.72	3818275.43	8.10E-11	3.40E-10	3.06E-11	4.52E-10	6.75E-11	2.50E-10	2.20E-11	3.39E-10	7.65E-12	4.38E-11	5.23E-12	5.67E-11	6.96E-12	2.29E-11	1.58E-12	3.15E-11
1736	470811.43	3818279.17	8.02E-11	3.37E-10	3.03E-11	4.47E-10	6.68E-11	2.47E-10	2.18E-11	3.36E-10	7.57E-12	4.33E-11	5.17E-12	5.61E-11	6.88E-12	2.27E-11	1.56E-12	3.11E-11
1737	470820.13	3818282.91	7.93E-11	3.33E-10	3.00E-11	4.42E-10	6.60E-11	2.45E-10	2.15E-11	3.32E-10	7.49E-12	4.29E-11	5.11E-12	5.55E-11	6.81E-12	2.24E-11	1.55E-12	3.08E-11
1738	470828.84	3818286.65	7.83E-11	3.29E-10	2.96E-11	4.37E-10	6.53E-11	2.42E-10	2.13E-11	3.28E-10	7.40E-12	4.24E-11	5.05E-12	5.48E-11	6.73E-12	2.22E-11	1.53E-12	3.04E-11
1739	470837.55	3818290.38	7.75E-11	3.25E-10	2.93E-11	4.32E-10	6.45E-11	2.39E-10	2.10E-11	3.25E-10	7.32E-12	4.19E-11	5.00E-12	5.42E-11	6.65E-12	2.19E-11	1.51E-12	3.01E-11
1740	470846.25	3818294.12	7.66E-11	3.22E-10	2.90E-11	4.27E-10	6.38E-11	2.36E-10	2.08E-11	3.21E-10	7.23E-12	4.14E-11	4.94E-12	5.36E-11	6.58E-12	2.17E-11	1.49E-12	2.98E-11
1741	470854.96	3818297.86	7.58E-11	3.18E-10	2.87E-11	4.23E-10	6.31E-11	2.34E-10	2.06E-11	3.18E-10	7.16E-12	4.10E-11	4.89E-12	5.30E-11	6.51E-12	2.15E-11	1.48E-12	2.94E-11
1742	470863.67	3818301.59	7.49E-11	3.15E-10	2.83E-11	4.18E-10	6.24E-11	2.31E-10	2.03E-11	3.14E-10	7.08E-12	4.05E-11	4.83E-12	5.24E-11	6.43E-12	2.12E-11	1.46E-12	2.91E-11
1743	470872.37	3818305.33	7.41E-11	3.11E-10	2.80E-11	4.13E-10	6.17E-11	2.29E-10	2.01E-11	3.10E-10	6.99E-12	4.00E-11	4.78E-12	5.18E-11	6.36E-12	2.10E-11	1.45E-12	2.88E-11
1744	470881.08	3818309.07	7.32E-11	3.07E-10	2.77E-11	4.08E-10	6.10E-11	2.26E-10	1.99E-11	3.07E-10	6.91E-12	3.96E-11	4.72E-12	5.12E-11	6.28E-12	2.07E-11	1.43E-12	2.84E-11
1745	470889.79	3818312.8	7.23E-11	3.04E-10	2.74E-11	4.03E-10	6.02E-11	2.23E-10	1.96E-11	3.03E-10	6.83E-12	3.91E-11	4.66E-12	5.06E-11	6.21E-12	2.05E-11	1.41E-12	2.81E-11
1746	470898.49	3818316.54	7.15E-11	3.00E-10	2.70E-11	3.99E-10	5.96E-11	2.21E-10	1.94E-11	3.00E-10	6.75E-12	3.87E-11	4.61E-12	5.00E-11	6.14E-12	2.02E-11	1.40E-12	2.78E-11

1747	470907.2	3818320.28	7.07E-11	2.97E-10	2.67E-11	3.94E-10	5.89E-11	2.18E-10	1.92E-11	2.96E-10	6.68E-12	3.82E-11	4.56E-12	4.95E-11	6.07E-12	2.00E-11	1.38E-12	2.75E-11
1748	470915.91	3818324.02	6.99E-11	2.94E-10	2.64E-11	3.90E-10	5.82E-11	2.16E-10	1.90E-11	2.93E-10	6.60E-12	3.78E-11	4.51E-12	4.89E-11	6.00E-12	1.98E-11	1.36E-12	2.72E-11
1749	470924.61	3818327.75	6.91E-11	2.90E-10	2.61E-11	3.85E-10	5.75E-11	2.13E-10	1.88E-11	2.90E-10	6.52E-12	3.74E-11	4.46E-12	4.83E-11	5.93E-12	1.96E-11	1.35E-12	2.68E-11
1750	470933.32	3818331.49	6.83E-11	2.87E-10	2.58E-11	3.81E-10	5.69E-11	2.11E-10	1.85E-11	2.86E-10	6.45E-12	3.69E-11	4.40E-12	4.78E-11	5.86E-12	1.93E-11	1.33E-12	2.65E-11
1751	470942.03	3818335.23	6.75E-11	2.84E-10	2.55E-11	3.77E-10	5.63E-11	2.08E-10	1.83E-11	2.83E-10	6.38E-12	3.65E-11	4.36E-12	4.72E-11	5.80E-12	1.91E-11	1.32E-12	2.62E-11
1752	470950.73	3818338.96	6.68E-11	2.81E-10	2.53E-11	3.73E-10	5.56E-11	2.06E-10	1.81E-11	2.80E-10	6.31E-12	3.61E-11	4.31E-12	4.67E-11	5.73E-12	1.89E-11	1.30E-12	2.59E-11
1753	470959.44	3818342.7	6.61E-11	2.78E-10	2.50E-11	3.69E-10	5.51E-11	2.04E-10	1.79E-11	2.77E-10	6.24E-12	3.57E-11	4.26E-12	4.62E-11	5.68E-12	1.87E-11	1.29E-12	2.57E-11
1754	470968.15	3818346.44	6.54E-11	2.75E-10	2.47E-11	3.65E-10	5.44E-11	2.02E-10	1.77E-11	2.74E-10	6.17E-12	3.53E-11	4.22E-12	4.57E-11	5.61E-12	1.85E-11	1.28E-12	2.54E-11
1755	470976.85	3818350.17	6.47E-11	2.72E-10	2.45E-11	3.61E-10	5.39E-11	2.00E-10	1.76E-11	2.71E-10	6.11E-12	3.50E-11	4.18E-12	4.53E-11	5.56E-12	1.83E-11	1.26E-12	2.51E-11
1756	470985.56	3818353.91	6.41E-11	2.69E-10	2.42E-11	3.57E-10	5.34E-11	1.98E-10	1.74E-11	2.68E-10	6.05E-12	3.46E-11	4.13E-12	4.48E-11	5.50E-12	1.81E-11	1.25E-12	2.49E-11
1757	470994.27	3818357.65	6.34E-11	2.66E-10	2.40E-11	3.54E-10	5.28E-11	1.96E-10	1.72E-11	2.66E-10	5.99E-12	3.43E-11	4.09E-12	4.44E-11	5.45E-12	1.80E-11	1.24E-12	2.46E-11
1758	471029.09	3818372.6	6.11E-11	2.56E-10	2.31E-11	3.41E-10	5.09E-11	1.88E-10	1.66E-11	2.56E-10	5.77E-12	3.30E-11	3.94E-12	4.27E-11	5.24E-12	1.73E-11	1.19E-12	2.37E-11
1759	471037.8	3818376.33	6.06E-11	2.54E-10	2.29E-11	3.38E-10	5.05E-11	1.87E-10	1.64E-11	2.54E-10	5.72E-12	3.27E-11	3.91E-12	4.24E-11	5.20E-12	1.71E-11	1.18E-12	2.35E-11
1760	471046.51	3818380.07	6.01E-11	2.52E-10	2.27E-11	3.35E-10	5.00E-11	1.85E-10	1.63E-11	2.52E-10	5.67E-12	3.25E-11	3.88E-12	4.20E-11	5.16E-12	1.70E-11	1.17E-12	2.33E-11
1761	471055.21	3818383.81	5.96E-11	2.50E-10	2.26E-11	3.33E-10	4.97E-11	1.84E-10	1.62E-11	2.50E-10	5.63E-12	3.22E-11	3.85E-12	4.17E-11	5.12E-12	1.69E-11	1.16E-12	2.32E-11
1762	471063.92	3818387.55	5.92E-11	2.49E-10	2.24E-11	3.30E-10	4.93E-11	1.83E-10	1.61E-11	2.48E-10	5.59E-12	3.20E-11	3.82E-12	4.14E-11	5.08E-12	1.68E-11	1.16E-12	2.30E-11
1763	471072.63	3818391.28	5.88E-11	2.47E-10	2.22E-11	3.28E-10	4.90E-11	1.81E-10	1.60E-11	2.46E-10	5.55E-12	3.18E-11	3.79E-12	4.11E-11	5.05E-12	1.66E-11	1.15E-12	2.28E-11
1764	471081.34	3818395.02	5.84E-11	2.45E-10	2.21E-11	3.26E-10	4.86E-11	1.80E-10	1.59E-11	2.45E-10	5.52E-12	3.16E-11	3.77E-12	4.09E-11	5.01E-12	1.65E-11	1.14E-12	2.27E-11
1765	471090.04	3818398.76	5.81E-11	2.44E-10	2.20E-11	3.24E-10	4.84E-11	1.79E-10	1.58E-11	2.43E-10	5.49E-12	3.14E-11	3.75E-12	4.06E-11	4.99E-12	1.64E-11	1.13E-12	2.26E-11
1766	471098.75	3818402.49	5.78E-11	2.43E-10	2.19E-11	3.22E-10	4.81E-11	1.78E-10	1.57E-11	2.42E-10	5.46E-12	3.12E-11	3.73E-12	4.04E-11	4.96E-12	1.64E-11	1.13E-12	2.24E-11
1767	471107.46	3818406.23	5.75E-11	2.41E-10	2.17E-11	3.21E-10	4.79E-11	1.77E-10	1.56E-11	2.41E-10	5.43E-12	3.11E-11	3.71E-12	4.02E-11	4.93E-12	1.63E-11	1.12E-12	2.23E-11
1768	471116.16	3818409.97	5.72E-11	2.40E-10	2.16E-11	3.19E-10	4.76E-11	1.76E-10	1.55E-11	2.40E-10	5.40E-12	3.09E-11	3.69E-12	4.00E-11	4.91E-12	1.62E-11	1.12E-12	2.22E-11
1769	471128.41	3818422.49	5.75E-11	2.41E-10	2.17E-11	3.21E-10	4.79E-11	1.77E-10	1.56E-11	2.41E-10	5.43E-12	3.11E-11	3.71E-12	4.02E-11	4.93E-12	1.63E-11	1.12E-12	2.23E-11
1770	471131.95	3818431.28	5.80E-11	2.43E-10	2.19E-11	3.23E-10	4.83E-11	1.79E-10	1.57E-11	2.43E-10	5.47E-12	3.13E-11	3.74E-12	4.06E-11	4.98E-12	1.64E-11	1.13E-12	2.25E-11
1771	471135.48	3818440.07	5.86E-11	2.46E-10	2.22E-11	3.27E-10	4.88E-11	1.81E-10	1.59E-11	2.46E-10	5.53E-12	3.17E-11	3.78E-12	4.10E-11	5.03E-12	1.66E-11	1.14E-12	2.28E-11
1772	471139.02	3818448.86	5.92E-11	2.49E-10	2.24E-11	3.30E-10	4.93E-11	1.83E-10	1.61E-11	2.48E-10	5.59E-12	3.20E-11	3.82E-12	4.14E-11	5.08E-12	1.68E-11	1.16E-12	2.30E-11
1773	471142.56	3818457.65	5.98E-11	2.51E-10	2.26E-11	3.34E-10	4.98E-11	1.85E-10	1.62E-11	2.51E-10	5.65E-12	3.23E-11	3.86E-12	4.19E-11	5.14E-12	1.69E-11	1.17E-12	2.32E-11
1774	471146.1	3818466.44	6.05E-11	2.54E-10	2.29E-11	3.38E-10	5.04E-11	1.87E-10	1.64E-11	2.54E-10	5.71E-12	3.27E-11	3.90E-12	4.23E-11	5.20E-12	1.71E-11	1.18E-12	2.35E-11
1775	471149.64	3818475.23	6.12E-11	2.57E-10	2.31E-11	3.41E-10	5.10E-11	1.89E-10	1.66E-11	2.56E-10	5.78E-12	3.31E-11	3.95E-12	4.28E-11	5.25E-12	1.73E-11	1.19E-12	2.38E-11
1776	471153.18	3818484.02	6.19E-11	2.60E-10	2.34E-11	3.46E-10	5.16E-11	1.91E-10	1.68E-11	2.60E-10	5.85E-12	3.35E-11	4.00E-12	4.33E-11	5.32E-12	1.75E-11	1.21E-12	2.41E-11
1777	471156.72	3818492.81	6.28E-11	2.64E-10	2.37E-11	3.50E-10	5.23E-11	1.94E-10	1.70E-11	2.63E-10	5.93E-12	3.39E-11	4.05E-12	4.39E-11	5.39E-12	1.78E-11	1.22E-12	2.44E-11
1778	471163.79	3818510.39	6.44E-11	2.70E-10	2.43E-11	3.59E-10	5.36E-11	1.99E-10	1.75E-11	2.70E-10	6.08E-12	3.48E-11	4.15E-12	4.50E-11	5.53E-12	1.82E-11	1.26E-12	2.50E-11
1779	471167.33	3818519.18	6.52E-11	2.74E-10	2.47E-11	3.64E-10	5.43E-11	2.01E-10	1.77E-11	2.73E-10	6.16E-12	3.53E-11	4.21E-12	4.56E-11	5.60E-12	1.85E-11	1.27E-12	2.53E-11
1780	471170.87	3818527.97	6.62E-11	2.78E-10	2.50E-11	3.69E-10	5.51E-11	2.04E-10	1.80E-11	2.77E-10	6.25E-12	3.58E-11	4.27E-12	4.63E-11	5.68E-12	1.87E-11	1.29E-12	2.57E-11
1781	471174.41	3818536.75	6.71E-11	2.82E-10	2.54E-11	3.74E-10	5.59E-11	2.07E-10	1.82E-11	2.81E-10	6.34E-12	3.63E-11	4.33E-12	4.69E-11	5.76E-12	1.90E-11	1.31E-12	2.61E-11
1782	471177.95	3818545.54	6.81E-11	2.86E-10	2.58E-11	3.80E-10	5.67E-11	2.10E-10	1.85E-11	2.85E-10	6.43E-12	3.68E-11	4.39E-12	4.76E-11	5.85E-12	1.93E-11	1.33E-12	2.65E-11
1783	471181.48	3818554.33	6.91E-11	2.90E-10	2.61E-11	3.85E-10	5.75E-11	2.13E-10	1.88E-11	2.90E-10	6.52E-12	3.74E-11	4.46E-12	4.83E-11	5.93E-12	1.96E-11	1.35E-12	2.68E-11
1784	471185.02	3818563.12	7.01E-11	2.95E-10	2.65E-11	3.91E-10	5.84E-11	2.16E-10	1.90E-11	2.94E-10	6.62E-12	3.79E-11	4.52E-12	4.91E-11	6.02E-12	1.99E-11	1.37E-12	2.72E-11
1785	471188.56	3818571.91	7.13E-11	2.99E-10	2.70E-11	3.97E-10	5.94E-11	2.20E-10	1.93E-11	2.99E-10	6.73E-12	3.85E-11	4.60E-12	4.99E-11	6.12E-12	2.02E-11	1.39E-12	2.77E-11
1786	471192.1	3818580.7	7.24E-11	3.04E-10	2.74E-11	4.04E-10	6.03E-11	2.23E-10	1.96E-11	3.03E-10	6.84E-12	3.91E-11	4.67E-12	5.06E-11	6.21E-12	2.05E-11	1.41E-12	2.81E-11
1787	471195.64	3818589.49	7.36E-11	3.09E-10	2.78E-11	4.10E-10	6.13E-11	2.27E-10	2.00E-11	3.08E-10	6.95E-12	3.98E-11	4.75E-12	5.15E-11	6.32E-12	2.08E-11	1.44E-12	2.86E-11
1788	471199.18	3818598.28	7.47E-11	3.14E-10	2.83E-11	4.17E-10	6.23E-11	2.31E-10	2.03E-11	3.13E-10	7.06E-12	4.04E-11	4.82E-12	5.23E-11	6.42E-12	2.12E-11	1.46E-12	2.90E-11
1789	471202.72	3818607.07	7.60E-11	3.19E-10	2.87E-11	4.24E-10	6.33E-11	2.34E-10	2.06E-11	3.18E-10	7.18E-12	4.11E-11	4.90E-12	5.32E-11	6.52E-12	2.15E-11	1.48E-12	2.95E-11
1790	471206.25	3818615.86	7.72E-11	3.24E-10	2.92E-11	4.31E-10	6.43E-11	2.38E-10	2.10E-11	3.24E-10	7.29E-12	4.18E-11	4.98E-12	5.40E-11	6.63E-12	2.19E-11	1.51E-12	3.00E-11
1791	471209.79	3818624.65	7.85E-11	3.30E-10	2.97E-11	4.38E-10	6.54E-11	2.42E-10	2.13E-11	3.29E-10	7.42E-12	4.25E-11	5.07E-12	5.49E-11	6.74E-12	2.22E-11	1.53E-12	3.05E-11
1792	471213.33	3818633.44	7.99E-11	3.36E-10	3.02E-11	4.46E-10	6.66E-11	2.47E-10	2.17E-11	3.35E-10	7.55E-12	4.32E-11	5.15E-12	5.59E-11	6.86E-12	2.26E-11	1.56E-12	3.10E-11
1793	471216.87	3818642.23	8.13E-11	3.41E-10	3.07E-11	4.53E-10	6.77E-11	2.51E-10	2.21E-11	3.41E-10	7.67E-12	4.39E-11	5.24E-12	5.69E-11	6.98E-12	2.30E-11	1.59E-12	3.16E-11
1794	471220.41	3818651.02	8.27E-11	3.47E-10	3.13E-11	4.61E-10	6.89E-11	2.55E-10	2.24E-11	3.47E-10	7.81E-12	4.47E-11	5.33E-12	5.78E-11	7.10E-12	2.34E-11	1.61E-12	3.21E-11
1795	471223.95	3818659.8	8.41E-11	3.53E-10	3.18E-11	4.69E-10	7.01E-11	2.60E-10	2.28E-11	3.53E-10	7.94E-12	4.55E-11	5.43E-12	5.89E-11	7.22E-12	2.38E-11	1.64E-12	3.27E-11
1796	471227.49	3818668.59	8.56E-11	3.60E-10	3.24E-11	4.78E-10	7.13E-11	2.64E-10	2.32E-11	3.59E-10	8.09E-12	4.63E-11	5.52E-12	5.99E-11	7.35E-12	2.42E-11	1.67E-12	3.33E-11

1797	471231.02	3818677.38	8.72E-11	3.66E-10	3.30E-11	4.86E-10	7.26E-11	2.69E-10	2.37E-11	3.65E-10	8.23E-12	4.71E-11	5.62E-12	6.10E-11	7.48E-12	2.47E-11	1.70E-12	3.39E-11
1798	471234.56	3818686.17	8.87E-11	3.73E-10	3.36E-11	4.95E-10	7.39E-11	2.74E-10	2.41E-11	3.72E-10	8.38E-12	4.80E-11	5.72E-12	6.21E-11	7.62E-12	2.51E-11	1.73E-12	3.45E-11
1799	471238.1	3818694.96	9.03E-11	3.79E-10	3.42E-11	5.04E-10	7.52E-11	2.79E-10	2.45E-11	3.79E-10	8.53E-12	4.88E-11	5.83E-12	6.32E-11	7.76E-12	2.56E-11	1.76E-12	3.51E-11
1800	471241.64	3818703.75	9.20E-11	3.86E-10	3.48E-11	5.13E-10	7.66E-11	2.84E-10	2.50E-11	3.86E-10	8.69E-12	4.97E-11	5.94E-12	6.44E-11	7.90E-12	2.60E-11	1.80E-12	3.57E-11
1801	471245.18	3818712.54	9.37E-11	3.93E-10	3.54E-11	5.23E-10	7.80E-11	2.89E-10	2.54E-11	3.93E-10	8.85E-12	5.07E-11	6.04E-12	6.55E-11	8.04E-12	2.65E-11	1.83E-12	3.64E-11
1802	471248.72	3818721.33	9.54E-11	4.01E-10	3.61E-11	5.32E-10	7.95E-11	2.95E-10	2.59E-11	4.00E-10	9.01E-12	5.16E-11	6.16E-12	6.68E-11	8.19E-12	2.70E-11	1.86E-12	3.71E-11
1803	471252.25	3818730.12	9.72E-11	4.08E-10	3.68E-11	5.42E-10	8.10E-11	3.00E-10	2.64E-11	4.07E-10	9.18E-12	5.26E-11	6.27E-12	6.80E-11	8.35E-12	2.75E-11	1.90E-12	3.78E-11
1804	471255.79	3818738.91	9.90E-11	4.16E-10	3.75E-11	5.52E-10	8.25E-11	3.06E-10	2.69E-11	4.15E-10	9.35E-12	5.35E-11	6.39E-12	6.93E-11	8.50E-12	2.80E-11	1.93E-12	3.85E-11
1805	471259.33	3818747.7	1.01E-10	4.24E-10	3.82E-11	5.63E-10	8.40E-11	3.11E-10	2.74E-11	4.23E-10	9.53E-12	5.45E-11	6.51E-12	7.06E-11	8.66E-12	2.86E-11	1.97E-12	3.92E-11
1806	471262.87	3818756.49	1.03E-10	4.32E-10	3.89E-11	5.74E-10	8.57E-11	3.17E-10	2.79E-11	4.31E-10	9.71E-12	5.56E-11	6.63E-12	7.19E-11	8.83E-12	2.91E-11	2.01E-12	3.99E-11
1807	471266.41	3818765.28	1.05E-10	4.40E-10	3.96E-11	5.84E-10	8.73E-11	3.23E-10	2.84E-11	4.39E-10	9.89E-12	5.66E-11	6.76E-12	7.33E-11	8.99E-12	2.97E-11	2.04E-12	4.07E-11
1808	471269.95	3818774.07	1.07E-10	4.48E-10	4.04E-11	5.95E-10	8.89E-11	3.29E-10	2.90E-11	4.47E-10	1.01E-11	5.77E-11	6.89E-12	7.47E-11	9.16E-12	3.02E-11	2.08E-12	4.15E-11
1809	471273.49	3818782.85	1.09E-10	4.57E-10	4.11E-11	6.07E-10	9.06E-11	3.36E-10	2.95E-11	4.56E-10	1.03E-11	5.88E-11	7.02E-12	7.61E-11	9.34E-12	3.08E-11	2.12E-12	4.23E-11
1810	471277.02	3818791.64	1.11E-10	4.66E-10	4.19E-11	6.18E-10	9.23E-11	3.42E-10	3.01E-11	4.64E-10	1.05E-11	5.99E-11	7.15E-12	7.75E-11	9.52E-12	3.14E-11	2.16E-12	4.31E-11
1811	471280.56	3818800.43	1.13E-10	4.74E-10	4.27E-11	6.30E-10	9.41E-11	3.49E-10	3.07E-11	4.73E-10	1.07E-11	6.11E-11	7.29E-12	7.90E-11	9.70E-12	3.20E-11	2.20E-12	4.39E-11
1812	471284.1	3818809.22	1.15E-10	4.84E-10	4.35E-11	6.42E-10	9.59E-11	3.55E-10	3.13E-11	4.82E-10	1.09E-11	6.22E-11	7.43E-12	8.05E-11	9.88E-12	3.26E-11	2.25E-12	4.47E-11
1813	471287.64	3818818.01	1.17E-10	4.93E-10	4.44E-11	6.54E-10	9.77E-11	3.62E-10	3.18E-11	4.92E-10	1.11E-11	6.34E-11	7.57E-12	8.21E-11	1.01E-11	3.32E-11	2.29E-12	4.56E-11
1814	471291.18	3818826.8	1.20E-10	5.02E-10	4.52E-11	6.67E-10	9.96E-11	3.69E-10	3.25E-11	5.01E-10	1.13E-11	6.46E-11	7.71E-12	8.36E-11	1.03E-11	3.38E-11	2.33E-12	4.64E-11
1815	471312.41	3818879.54	1.34E-10	5.63E-10	5.07E-11	7.48E-10	1.12E-10	4.14E-10	3.64E-11	5.62E-10	1.27E-11	7.25E-11	8.65E-12	9.38E-11	1.15E-11	3.80E-11	2.62E-12	5.21E-11
1816	471315.95	3818888.33	1.37E-10	5.74E-10	5.17E-11	7.62E-10	1.14E-10	4.22E-10	3.71E-11	5.73E-10	1.29E-11	7.39E-11	8.82E-12	9.56E-11	1.17E-11	3.87E-11	2.67E-12	5.31E-11
1817	471319.49	3818897.12	1.39E-10	5.85E-10	5.27E-11	7.77E-10	1.16E-10	4.30E-10	3.78E-11	5.84E-10	1.32E-11	7.53E-11	8.99E-12	9.75E-11	1.20E-11	3.94E-11	2.72E-12	5.41E-11
1818	471323.02	3818905.9	1.42E-10	5.96E-10	5.37E-11	7.92E-10	1.18E-10	4.38E-10	3.86E-11	5.95E-10	1.34E-11	7.68E-11	9.16E-12	9.94E-11	1.22E-11	4.02E-11	2.77E-12	5.52E-11
1819	471326.56	3818914.69	1.45E-10	6.08E-10	5.48E-11	8.07E-10	1.21E-10	4.47E-10	3.93E-11	6.07E-10	1.37E-11	7.83E-11	9.34E-12	1.01E-10	1.24E-11	4.10E-11	2.82E-12	5.62E-11
1820	471330.1	3818923.48	1.48E-10	6.20E-10	5.58E-11	8.23E-10	1.23E-10	4.55E-10	4.01E-11	6.18E-10	1.39E-11	7.98E-11	9.52E-12	1.03E-10	1.27E-11	4.18E-11	2.88E-12	5.73E-11
1821	471333.64	3818932.27	1.50E-10	6.31E-10	5.69E-11	8.39E-10	1.25E-10	4.64E-10	4.08E-11	6.30E-10	1.42E-11	8.13E-11	9.70E-12	1.05E-10	1.29E-11	4.26E-11	2.93E-12	5.84E-11
1822	471340.72	3818949.85	1.56E-10	6.56E-10	5.91E-11	8.71E-10	1.30E-10	4.82E-10	4.24E-11	6.54E-10	1.47E-11	8.44E-11	1.01E-11	1.09E-10	1.34E-11	4.42E-11	3.05E-12	6.06E-11
1823	471344.26	3818958.64	1.59E-10	6.68E-10	6.02E-11	8.87E-10	1.32E-10	4.91E-10	4.32E-11	6.66E-10	1.50E-11	8.60E-11	1.03E-11	1.11E-10	1.37E-11	4.50E-11	3.10E-12	6.18E-11
1824	471347.79	3818967.43	1.62E-10	6.80E-10	6.13E-11	9.03E-10	1.35E-10	5.00E-10	4.40E-11	6.79E-10	1.53E-11	8.76E-11	1.04E-11	1.13E-10	1.39E-11	4.59E-11	3.16E-12	6.29E-11
1825	471351.33	3818976.22	1.65E-10	6.93E-10	6.24E-11	9.20E-10	1.37E-10	5.09E-10	4.48E-11	6.91E-10	1.56E-11	8.91E-11	1.06E-11	1.15E-10	1.42E-11	4.67E-11	3.22E-12	6.41E-11
1826	471354.87	3818985.01	1.68E-10	7.05E-10	6.35E-11	9.36E-10	1.40E-10	5.18E-10	4.56E-11	7.03E-10	1.58E-11	9.07E-11	1.08E-11	1.17E-10	1.44E-11	4.75E-11	3.27E-12	6.52E-11
1827	471358.41	3818993.8	1.71E-10	7.17E-10	6.46E-11	9.53E-10	1.42E-10	5.27E-10	4.64E-11	7.16E-10	1.61E-11	9.23E-11	1.10E-11	1.19E-10	1.47E-11	4.83E-11	3.33E-12	6.63E-11
1828	471361.95	3819002.59	1.74E-10	7.30E-10	6.57E-11	9.69E-10	1.45E-10	5.36E-10	4.72E-11	7.28E-10	1.64E-11	9.39E-11	1.12E-11	1.22E-10	1.49E-11	4.92E-11	3.39E-12	6.75E-11
1829	471365.49	3819011.38	1.77E-10	7.42E-10	6.68E-11	9.86E-10	1.47E-10	5.45E-10	4.80E-11	7.40E-10	1.67E-11	9.55E-11	1.14E-11	1.24E-10	1.52E-11	5.00E-11	3.45E-12	6.86E-11
1830	471369.03	3819020.17	1.80E-10	7.54E-10	6.79E-11	1.00E-09	1.50E-10	5.54E-10	4.88E-11	7.53E-10	1.70E-11	9.71E-11	1.16E-11	1.26E-10	1.54E-11	5.08E-11	3.50E-12	6.98E-11
1831	471372.56	3819028.95	1.83E-10	7.67E-10	6.91E-11	1.02E-09	1.52E-10	5.64E-10	4.96E-11	7.65E-10	1.72E-11	9.87E-11	1.18E-11	1.28E-10	1.57E-11	5.17E-11	3.56E-12	7.09E-11
1832	471383.18	3819055.32	1.91E-10	8.03E-10	7.24E-11	1.07E-09	1.59E-10	5.90E-10	5.19E-11	8.02E-10	1.81E-11	1.03E-10	1.23E-11	1.34E-10	1.64E-11	5.42E-11	3.73E-12	7.43E-11
1833	471386.72	3819064.11	1.94E-10	8.15E-10	7.34E-11	1.08E-09	1.62E-10	5.99E-10	5.27E-11	8.14E-10	1.83E-11	1.05E-10	1.25E-11	1.36E-10	1.67E-11	5.50E-11	3.79E-12	7.54E-11
1834	471390.26	3819072.9	1.97E-10	8.27E-10	7.45E-11	1.10E-09	1.64E-10	6.08E-10	5.35E-11	8.25E-10	1.86E-11	1.06E-10	1.27E-11	1.38E-10	1.69E-11	5.58E-11	3.84E-12	7.65E-11
1835	471393.8	3819081.69	2.00E-10	8.39E-10	7.55E-11	1.11E-09	1.66E-10	6.16E-10	5.42E-11	8.37E-10	1.89E-11	1.08E-10	1.29E-11	1.40E-10	1.71E-11	5.65E-11	3.90E-12	7.76E-11
1836	471397.33	3819090.48	2.02E-10	8.50E-10	7.66E-11	1.13E-09	1.69E-10	6.25E-10	5.50E-11	8.48E-10	1.91E-11	1.09E-10	1.31E-11	1.42E-10	1.74E-11	5.73E-11	3.95E-12	7.86E-11
1837	471400.87	3819099.27	2.05E-10	8.61E-10	7.76E-11	1.14E-09	1.71E-10	6.33E-10	5.57E-11	8.59E-10	1.94E-11	1.11E-10	1.32E-11	1.43E-10	1.76E-11	5.81E-11	4.00E-12	7.97E-11
1838	471404.41	3819108.06	2.08E-10	8.72E-10	7.86E-11	1.16E-09	1.73E-10	6.41E-10	5.64E-11	8.70E-10	1.96E-11	1.12E-10	1.34E-11	1.45E-10	1.78E-11	5.88E-11	4.05E-12	8.07E-11
1839	471407.95	3819116.85	2.10E-10	8.83E-10	7.95E-11	1.17E-09	1.75E-10	6.49E-10	5.71E-11	8.81E-10	1.99E-11	1.14E-10	1.36E-11	1.47E-10	1.81E-11	5.95E-11	4.10E-12	8.17E-11
1840	471411.49	3819125.64	2.13E-10	8.94E-10	8.05E-11	1.19E-09	1.77E-10	6.57E-10	5.78E-11	8.92E-10	2.01E-11	1.15E-10	1.37E-11	1.49E-10	1.83E-11	6.02E-11	4.15E-12	8.27E-11
1841	471415.03	3819134.43	2.15E-10	9.04E-10	8.14E-11	1.20E-09	1.79E-10	6.64E-10	5.84E-11	9.02E-10	2.03E-11	1.16E-10	1.39E-11	1.51E-10	1.85E-11	6.09E-11	4.20E-12	8.36E-11
1842	471422.1	3819152.01	2.20E-10	9.24E-10	8.32E-11	1.23E-09	1.83E-10	6.79E-10	5.97E-11	9.22E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.23E-11	4.29E-12	8.54E-11
1843	471425.64	3819160.79	2.22E-10	9.33E-10	8.40E-11	1.24E-09	1.85E-10	6.86E-10	6.03E-11	9.31E-10	2.10E-11	1.20E-10	1.43E-11	1.55E-10	1.91E-11	6.29E-11	4.34E-12	8.63E-11
1844	471429.18	3819169.58	2.24E-10	9.42E-10	8.48E-11	1.25E-09	1.87E-10	6.92E-10	6.09E-11	9.40E-10	2.12E-11	1.21E-10	1.45E-11	1.57E-10	1.93E-11	6.35E-11	4.38E-12	8.71E-11
1845	471432.72	3819178.37	2.26E-10	9.51E-10	8.56E-11	1.26E-09	1.89E-10	6.98E-10	6.14E-11	9.48E-10	2.14E-11	1.22E-10	1.46E-11	1.58E-10	1.94E-11	6.41E-11	4.42E-12	8.79E-11
1846	471436.26	3819187.16	2.28E-10	9.59E-10	8.63E-11	1.27E-09	1.90E-10	7.04E-10	6.20E-11	9.57E-10	2.16E-11	1.23E-10	1.47E-11	1.60E-10	1.96E-11	6.46E-11	4.45E-12	8.87E-11

1847	471439.8	3819195.95	2.30E-10	9.66E-10	8.70E-11	1.28E-09	1.92E-10	7.10E-10	6.25E-11	9.64E-10	2.17E-11	1.24E-10	1.48E-11	1.61E-10	1.98E-11	6.51E-11	4.49E-12	8.94E-11
1848	471443.33	3819204.74	2.32E-10	9.74E-10	8.77E-11	1.29E-09	1.93E-10	7.16E-10	6.30E-11	9.72E-10	2.19E-11	1.25E-10	1.50E-11	1.62E-10	1.99E-11	6.57E-11	4.53E-12	9.01E-11
1849	471446.87	3819213.53	2.34E-10	9.81E-10	8.83E-11	1.30E-09	1.95E-10	7.21E-10	6.34E-11	9.79E-10	2.21E-11	1.26E-10	1.51E-11	1.63E-10	2.01E-11	6.61E-11	4.56E-12	9.07E-11
1850	471450.41	3819222.32	2.35E-10	9.88E-10	8.89E-11	1.31E-09	1.96E-10	7.26E-10	6.38E-11	9.85E-10	2.22E-11	1.27E-10	1.52E-11	1.65E-10	2.02E-11	6.66E-11	4.59E-12	9.13E-11
1851	470211.67	3818057.47	1.52E-10	6.37E-10	5.73E-11	8.46E-10	1.26E-10	4.68E-10	4.12E-11	6.35E-10	1.43E-11	8.20E-11	9.78E-12	1.06E-10	1.30E-11	4.29E-11	2.96E-12	5.89E-11
1852	470202.11	3818057.34	1.53E-10	6.43E-10	5.79E-11	8.54E-10	1.27E-10	4.72E-10	4.15E-11	6.41E-10	1.45E-11	8.27E-11	9.87E-12	1.07E-10	1.31E-11	4.33E-11	2.99E-12	5.94E-11
1853	470192.54	3818057.2	1.54E-10	6.47E-10	5.83E-11	8.60E-10	1.28E-10	4.76E-10	4.18E-11	6.46E-10	1.46E-11	8.33E-11	9.94E-12	1.08E-10	1.32E-11	4.36E-11	3.01E-12	5.99E-11
1854	470182.98	3818057.07	1.55E-10	6.51E-10	5.86E-11	8.65E-10	1.29E-10	4.78E-10	4.21E-11	6.50E-10	1.46E-11	8.38E-11	1.00E-11	1.08E-10	1.33E-11	4.39E-11	3.02E-12	6.02E-11
1855	470173.42	3818056.93	1.56E-10	6.54E-10	5.89E-11	8.68E-10	1.30E-10	4.80E-10	4.23E-11	6.52E-10	1.47E-11	8.42E-11	1.00E-11	1.09E-10	1.34E-11	4.41E-11	3.04E-12	6.05E-11
1856	470163.86	3818056.8	1.56E-10	6.57E-10	5.92E-11	8.73E-10	1.30E-10	4.83E-10	4.25E-11	6.56E-10	1.48E-11	8.46E-11	1.01E-11	1.09E-10	1.34E-11	4.43E-11	3.05E-12	6.08E-11
1857	470154.29	3818056.66	1.57E-10	6.60E-10	5.95E-11	8.77E-10	1.31E-10	4.85E-10	4.27E-11	6.59E-10	1.48E-11	8.50E-11	1.01E-11	1.10E-10	1.35E-11	4.45E-11	3.07E-12	6.11E-11
1858	470144.73	3818056.53	1.58E-10	6.63E-10	5.97E-11	8.80E-10	1.31E-10	4.87E-10	4.28E-11	6.61E-10	1.49E-11	8.53E-11	1.02E-11	1.10E-10	1.35E-11	4.47E-11	3.08E-12	6.13E-11
1859	470135.17	3818056.39	1.58E-10	6.64E-10	5.98E-11	8.82E-10	1.32E-10	4.88E-10	4.29E-11	6.62E-10	1.49E-11	8.55E-11	1.02E-11	1.11E-10	1.36E-11	4.47E-11	3.08E-12	6.14E-11
1860	470125.61	3818056.26	1.58E-10	6.64E-10	5.98E-11	8.82E-10	1.32E-10	4.88E-10	4.29E-11	6.62E-10	1.49E-11	8.55E-11	1.02E-11	1.11E-10	1.36E-11	4.47E-11	3.08E-12	6.14E-11
1861	470403.79	3818023.74	1.06E-10	4.47E-10	4.02E-11	5.93E-10	8.86E-11	3.28E-10	2.89E-11	4.46E-10	1.00E-11	5.75E-11	6.86E-12	7.44E-11	9.13E-12	3.01E-11	2.08E-12	4.13E-11
1862	470412.54	3818027.49	1.06E-10	4.44E-10	3.99E-11	5.89E-10	8.80E-11	3.26E-10	2.87E-11	4.43E-10	9.97E-12	5.71E-11	6.81E-12	7.39E-11	9.07E-12	2.99E-11	2.06E-12	4.10E-11
1863	470421.28	3818031.24	1.05E-10	4.40E-10	3.96E-11	5.84E-10	8.73E-11	3.23E-10	2.84E-11	4.39E-10	9.89E-12	5.66E-11	6.76E-12	7.33E-11	8.99E-12	2.97E-11	2.04E-12	4.07E-11
1864	470430.03	3818035	1.04E-10	4.36E-10	3.93E-11	5.79E-10	8.65E-11	3.21E-10	2.82E-11	4.35E-10	9.81E-12	5.62E-11	6.70E-12	7.27E-11	8.92E-12	2.94E-11	2.03E-12	4.04E-11
1865	470438.77	3818038.75	1.03E-10	4.33E-10	3.90E-11	5.75E-10	8.59E-11	3.18E-10	2.80E-11	4.32E-10	9.73E-12	5.57E-11	6.65E-12	7.21E-11	8.85E-12	2.92E-11	2.01E-12	4.00E-11
1866	470447.52	3818042.5	1.04E-10	4.38E-10	3.95E-11	5.82E-10	8.69E-11	3.22E-10	2.83E-11	4.37E-10	9.86E-12	5.64E-11	6.73E-12	7.30E-11	8.96E-12	2.95E-11	2.04E-12	4.05E-11
1867	470456.26	3818046.26	1.04E-10	4.35E-10	3.92E-11	5.78E-10	8.63E-11	3.20E-10	2.81E-11	4.34E-10	9.78E-12	5.60E-11	6.68E-12	7.25E-11	8.89E-12	2.93E-11	2.02E-12	4.02E-11
1868	470465.01	3818050.01	1.03E-10	4.31E-10	3.88E-11	5.73E-10	8.55E-11	3.17E-10	2.79E-11	4.30E-10	9.69E-12	5.55E-11	6.62E-12	7.18E-11	8.81E-12	2.91E-11	2.00E-12	3.99E-11
1869	470473.75	3818053.76	1.02E-10	4.27E-10	3.85E-11	5.67E-10	8.47E-11	3.14E-10	2.76E-11	4.26E-10	9.60E-12	5.50E-11	6.56E-12	7.12E-11	8.73E-12	2.88E-11	1.98E-12	3.95E-11
1870	470482.5	3818057.52	1.01E-10	4.23E-10	3.81E-11	5.62E-10	8.39E-11	3.11E-10	2.74E-11	4.22E-10	9.52E-12	5.45E-11	6.50E-12	7.05E-11	8.65E-12	2.85E-11	1.97E-12	3.91E-11
1871	470491.24	3818061.27	9.99E-11	4.20E-10	3.78E-11	5.57E-10	8.32E-11	3.08E-10	2.71E-11	4.19E-10	9.43E-12	5.40E-11	6.44E-12	6.99E-11	8.58E-12	2.83E-11	1.95E-12	3.88E-11
1872	470499.99	3818065.02	9.90E-11	4.16E-10	3.75E-11	5.52E-10	8.25E-11	3.06E-10	2.69E-11	4.15E-10	9.35E-12	5.35E-11	6.39E-12	6.93E-11	8.50E-12	2.80E-11	1.93E-12	3.85E-11
1873	470508.73	3818068.78	9.81E-11	4.12E-10	3.71E-11	5.47E-10	8.17E-11	3.03E-10	2.66E-11	4.11E-10	9.26E-12	5.30E-11	6.33E-12	6.86E-11	8.42E-12	2.78E-11	1.91E-12	3.81E-11
1874	470517.48	3818072.53	9.72E-11	4.08E-10	3.68E-11	5.42E-10	8.09E-11	3.00E-10	2.64E-11	4.07E-10	9.18E-12	5.25E-11	6.27E-12	6.80E-11	8.34E-12	2.75E-11	1.90E-12	3.77E-11
1875	470526.22	3818076.28	9.62E-11	4.04E-10	3.64E-11	5.37E-10	8.02E-11	2.97E-10	2.61E-11	4.03E-10	9.09E-12	5.20E-11	6.21E-12	6.73E-11	8.26E-12	2.72E-11	1.88E-12	3.74E-11
1876	470534.96	3818080.04	9.54E-11	4.01E-10	3.61E-11	5.32E-10	7.95E-11	2.95E-10	2.59E-11	4.00E-10	9.01E-12	5.16E-11	6.16E-12	6.68E-11	8.19E-12	2.70E-11	1.86E-12	3.71E-11
1877	470543.71	3818083.79	9.47E-11	3.98E-10	3.58E-11	5.28E-10	7.89E-11	2.92E-10	2.57E-11	3.97E-10	8.94E-12	5.12E-11	6.11E-12	6.62E-11	8.13E-12	2.68E-11	1.85E-12	3.68E-11
1878	470552.45	3818087.54	9.40E-11	3.95E-10	3.56E-11	5.24E-10	7.83E-11	2.90E-10	2.55E-11	3.94E-10	8.88E-12	5.08E-11	6.06E-12	6.58E-11	8.07E-12	2.66E-11	1.83E-12	3.65E-11
1879	470561.2	3818091.3	9.33E-11	3.92E-10	3.53E-11	5.21E-10	7.77E-11	2.88E-10	2.53E-11	3.91E-10	8.81E-12	5.05E-11	6.02E-12	6.53E-11	8.01E-12	2.64E-11	1.82E-12	3.62E-11
1880	470569.94	3818095.05	9.26E-11	3.89E-10	3.50E-11	5.17E-10	7.72E-11	2.86E-10	2.51E-11	3.88E-10	8.75E-12	5.01E-11	5.98E-12	6.48E-11	7.95E-12	2.62E-11	1.81E-12	3.60E-11
1881	470578.69	3818098.8	9.20E-11	3.86E-10	3.48E-11	5.13E-10	7.66E-11	2.84E-10	2.50E-11	3.86E-10	8.69E-12	4.97E-11	5.94E-12	6.44E-11	7.90E-12	2.60E-11	1.80E-12	3.57E-11
1882	470587.43	3818102.56	9.14E-11	3.84E-10	3.46E-11	5.10E-10	7.61E-11	2.82E-10	2.48E-11	3.83E-10	8.63E-12	4.94E-11	5.90E-12	6.39E-11	7.85E-12	2.59E-11	1.78E-12	3.55E-11
1883	470596.18	3818106.31	9.08E-11	3.81E-10	3.43E-11	5.06E-10	7.56E-11	2.80E-10	2.46E-11	3.80E-10	8.57E-12	4.91E-11	5.86E-12	6.35E-11	7.79E-12	2.57E-11	1.77E-12	3.53E-11
1884	470604.92	3818110.06	9.02E-11	3.79E-10	3.41E-11	5.03E-10	7.51E-11	2.78E-10	2.45E-11	3.78E-10	8.52E-12	4.88E-11	5.82E-12	6.31E-11	7.74E-12	2.55E-11	1.76E-12	3.50E-11
1885	470613.67	3818113.82	8.95E-11	3.76E-10	3.39E-11	4.99E-10	7.46E-11	2.76E-10	2.43E-11	3.75E-10	8.45E-12	4.84E-11	5.77E-12	6.26E-11	7.69E-12	2.53E-11	1.75E-12	3.48E-11
1886	470622.41	3818117.57	8.88E-11	3.73E-10	3.36E-11	4.95E-10	7.40E-11	2.74E-10	2.41E-11	3.72E-10	8.38E-12	4.80E-11	5.73E-12	6.21E-11	7.62E-12	2.51E-11	1.73E-12	3.45E-11
1887	470631.16	3818121.32	8.81E-11	3.70E-10	3.33E-11	4.91E-10	7.34E-11	2.72E-10	2.39E-11	3.69E-10	8.32E-12	4.76E-11	5.68E-12	6.16E-11	7.56E-12	2.49E-11	1.72E-12	3.42E-11
1888	470639.9	3818125.08	8.74E-11	3.67E-10	3.30E-11	4.87E-10	7.28E-11	2.70E-10	2.37E-11	3.66E-10	8.25E-12	4.72E-11	5.63E-12	6.11E-11	7.50E-12	2.47E-11	1.70E-12	3.39E-11
1889	470648.65	3818128.83	8.66E-11	3.64E-10	3.28E-11	4.83E-10	7.21E-11	2.67E-10	2.35E-11	3.63E-10	8.18E-12	4.68E-11	5.59E-12	6.06E-11	7.44E-12	2.45E-11	1.69E-12	3.36E-11
1890	470657.39	3818132.58	8.59E-11	3.61E-10	3.25E-11	4.79E-10	7.16E-11	2.65E-10	2.33E-11	3.60E-10	8.11E-12	4.65E-11	5.54E-12	6.01E-11	7.38E-12	2.43E-11	1.68E-12	3.34E-11
1891	470666.14	3818136.34	8.52E-11	3.58E-10	3.22E-11	4.75E-10	7.10E-11	2.63E-10	2.31E-11	3.57E-10	8.05E-12	4.61E-11	5.50E-12	5.96E-11	7.32E-12	2.41E-11	1.66E-12	3.31E-11
1892	470674.88	3818140.09	8.46E-11	3.55E-10	3.20E-11	4.72E-10	7.04E-11	2.61E-10	2.30E-11	3.54E-10	7.99E-12	4.57E-11	5.45E-12	5.92E-11	7.26E-12	2.39E-11	1.65E-12	3.28E-11
1893	470683.63	3818143.84	8.39E-11	3.52E-10	3.17E-11	4.68E-10	6.99E-11	2.59E-10	2.28E-11	3.51E-10	7.92E-12	4.53E-11	5.41E-12	5.87E-11	7.20E-12	2.37E-11	1.64E-12	3.26E-11
1894	470692.37	3818147.6	8.32E-11	3.49E-10	3.15E-11	4.64E-10	6.93E-11	2.57E-10	2.26E-11	3.49E-10	7.86E-12	4.50E-11	5.37E-12	5.82E-11	7.14E-12	2.35E-11	1.62E-12	3.23E-11
1895	470701.11	3818151.35	8.25E-11	3.47E-10	3.12E-11	4.60E-10	6.87E-11	2.55E-10	2.24E-11	3.46E-10	7.79E-12	4.46E-11	5.32E-12	5.77E-11	7.08E-12	2.34E-11	1.61E-12	3.20E-11
1896	470709.86	3818155.1	8.18E-11	3.44E-10	3.09E-11	4.56E-10	6.82E-11	2.53E-10	2.22E-11	3.43E-10	7.73E-12	4.42E-11	5.28E-12	5.72E-11	7.02E-12	2.32E-11	1.60E-12	3.18E-11

1897	470718.6	3818158.85	8.11E-11	3.41E-10	3.07E-11	4.52E-10	6.75E-11	2.50E-10	2.20E-11	3.40E-10	7.66E-12	4.38E-11	5.23E-12	5.67E-11	6.96E-12	2.30E-11	1.58E-12	3.15E-11
1898	470727.35	3818162.61	8.04E-11	3.38E-10	3.04E-11	4.48E-10	6.70E-11	2.48E-10	2.18E-11	3.37E-10	7.59E-12	4.35E-11	5.19E-12	5.62E-11	6.90E-12	2.28E-11	1.57E-12	3.12E-11
1899	470736.09	3818166.36	7.97E-11	3.35E-10	3.01E-11	4.45E-10	6.64E-11	2.46E-10	2.16E-11	3.34E-10	7.53E-12	4.31E-11	5.14E-12	5.58E-11	6.84E-12	2.26E-11	1.56E-12	3.10E-11
1900	470744.84	3818170.11	7.90E-11	3.32E-10	2.99E-11	4.40E-10	6.58E-11	2.44E-10	2.14E-11	3.31E-10	7.46E-12	4.27E-11	5.09E-12	5.52E-11	6.78E-12	2.24E-11	1.54E-12	3.07E-11
1901	470753.58	3818173.87	7.83E-11	3.29E-10	2.96E-11	4.37E-10	6.52E-11	2.42E-10	2.13E-11	3.28E-10	7.39E-12	4.23E-11	5.05E-12	5.48E-11	6.72E-12	2.22E-11	1.53E-12	3.04E-11
1902	470762.33	3818177.62	7.76E-11	3.26E-10	2.93E-11	4.33E-10	6.46E-11	2.39E-10	2.11E-11	3.25E-10	7.33E-12	4.20E-11	5.01E-12	5.43E-11	6.66E-12	2.20E-11	1.51E-12	3.01E-11
1903	470771.07	3818181.37	7.69E-11	3.23E-10	2.91E-11	4.29E-10	6.40E-11	2.37E-10	2.09E-11	3.22E-10	7.26E-12	4.15E-11	4.96E-12	5.38E-11	6.60E-12	2.18E-11	1.50E-12	2.99E-11
1904	470779.82	3818185.13	7.62E-11	3.20E-10	2.88E-11	4.25E-10	6.34E-11	2.35E-10	2.07E-11	3.19E-10	7.19E-12	4.12E-11	4.91E-12	5.33E-11	6.54E-12	2.16E-11	1.49E-12	2.96E-11
1905	470788.56	3818188.88	7.54E-11	3.17E-10	2.85E-11	4.21E-10	6.28E-11	2.33E-10	2.05E-11	3.16E-10	7.12E-12	4.08E-11	4.87E-12	5.28E-11	6.48E-12	2.14E-11	1.47E-12	2.93E-11
1906	470797.31	3818192.63	7.47E-11	3.14E-10	2.83E-11	4.17E-10	6.23E-11	2.31E-10	2.03E-11	3.13E-10	7.06E-12	4.04E-11	4.82E-12	5.23E-11	6.42E-12	2.12E-11	1.46E-12	2.90E-11
1907	470806.05	3818196.39	7.40E-11	3.11E-10	2.80E-11	4.13E-10	6.16E-11	2.28E-10	2.01E-11	3.10E-10	6.99E-12	4.00E-11	4.77E-12	5.18E-11	6.35E-12	2.09E-11	1.44E-12	2.87E-11
1908	470814.8	3818200.14	7.33E-11	3.08E-10	2.77E-11	4.09E-10	6.11E-11	2.26E-10	1.99E-11	3.07E-10	6.92E-12	3.96E-11	4.73E-12	5.13E-11	6.29E-12	2.08E-11	1.43E-12	2.85E-11
1909	470823.54	3818203.89	7.26E-11	3.05E-10	2.74E-11	4.05E-10	6.04E-11	2.24E-10	1.97E-11	3.04E-10	6.85E-12	3.92E-11	4.68E-12	5.08E-11	6.23E-12	2.05E-11	1.42E-12	2.82E-11
1910	470832.29	3818207.65	7.18E-11	3.02E-10	2.72E-11	4.01E-10	5.98E-11	2.22E-10	1.95E-11	3.01E-10	6.78E-12	3.88E-11	4.63E-12	5.02E-11	6.17E-12	2.03E-11	1.40E-12	2.79E-11
1911	470841.03	3818211.4	7.11E-11	2.99E-10	2.69E-11	3.96E-10	5.92E-11	2.19E-10	1.93E-11	2.98E-10	6.71E-12	3.84E-11	4.58E-12	4.97E-11	6.10E-12	2.01E-11	1.39E-12	2.76E-11
1912	470849.78	3818215.15	7.03E-11	2.95E-10	2.66E-11	3.92E-10	5.86E-11	2.17E-10	1.91E-11	2.95E-10	6.64E-12	3.80E-11	4.54E-12	4.92E-11	6.04E-12	1.99E-11	1.37E-12	2.73E-11
1913	470858.52	3818218.91	6.96E-11	2.92E-10	2.63E-11	3.88E-10	5.80E-11	2.15E-10	1.89E-11	2.92E-10	6.57E-12	3.76E-11	4.49E-12	4.87E-11	5.97E-12	1.97E-11	1.36E-12	2.70E-11
1914	470867.26	3818222.66	6.88E-11	2.89E-10	2.60E-11	3.84E-10	5.73E-11	2.12E-10	1.87E-11	2.88E-10	6.50E-12	3.72E-11	4.44E-12	4.82E-11	5.91E-12	1.95E-11	1.34E-12	2.67E-11
1915	470876.01	3818226.41	6.82E-11	2.86E-10	2.58E-11	3.80E-10	5.68E-11	2.10E-10	1.85E-11	2.86E-10	6.44E-12	3.68E-11	4.40E-12	4.77E-11	5.85E-12	1.93E-11	1.33E-12	2.65E-11
1916	470884.75	3818230.17	6.74E-11	2.83E-10	2.55E-11	3.76E-10	5.62E-11	2.08E-10	1.83E-11	2.82E-10	6.37E-12	3.64E-11	4.35E-12	4.72E-11	5.79E-12	1.91E-11	1.32E-12	2.62E-11
1917	470893.5	3818233.92	6.67E-11	2.80E-10	2.52E-11	3.72E-10	5.55E-11	2.06E-10	1.81E-11	2.79E-10	6.30E-12	3.60E-11	4.30E-12	4.66E-11	5.72E-12	1.89E-11	1.30E-12	2.59E-11
1918	470902.24	3818237.67	6.59E-11	2.77E-10	2.49E-11	3.68E-10	5.49E-11	2.03E-10	1.79E-11	2.76E-10	6.23E-12	3.56E-11	4.25E-12	4.61E-11	5.66E-12	1.87E-11	1.29E-12	2.56E-11
1919	470910.99	3818241.43	6.52E-11	2.74E-10	2.46E-11	3.64E-10	5.43E-11	2.01E-10	1.77E-11	2.73E-10	6.15E-12	3.52E-11	4.20E-12	4.56E-11	5.60E-12	1.84E-11	1.27E-12	2.53E-11
1920	470919.73	3818245.18	6.45E-11	2.71E-10	2.44E-11	3.60E-10	5.37E-11	1.99E-10	1.75E-11	2.70E-10	6.09E-12	3.49E-11	4.16E-12	4.51E-11	5.54E-12	1.83E-11	1.26E-12	2.51E-11
1921	470928.48	3818248.93	6.37E-11	2.68E-10	2.41E-11	3.56E-10	5.31E-11	1.97E-10	1.73E-11	2.67E-10	6.02E-12	3.45E-11	4.11E-12	4.46E-11	5.47E-12	1.80E-11	1.24E-12	2.48E-11
1922	470937.22	3818252.69	6.31E-11	2.65E-10	2.39E-11	3.52E-10	5.25E-11	1.95E-10	1.71E-11	2.64E-10	5.96E-12	3.41E-11	4.07E-12	4.41E-11	5.41E-12	1.79E-11	1.23E-12	2.45E-11
1923	470945.97	3818256.44	6.24E-11	2.62E-10	2.36E-11	3.48E-10	5.20E-11	1.92E-10	1.69E-11	2.61E-10	5.89E-12	3.37E-11	4.02E-12	4.36E-11	5.36E-12	1.77E-11	1.22E-12	2.42E-11
1924	470954.71	3818260.19	6.17E-11	2.59E-10	2.33E-11	3.44E-10	5.14E-11	1.90E-10	1.67E-11	2.59E-10	5.83E-12	3.34E-11	3.98E-12	4.32E-11	5.30E-12	1.75E-11	1.20E-12	2.40E-11
1925	470963.46	3818263.95	6.10E-11	2.56E-10	2.31E-11	3.40E-10	5.08E-11	1.88E-10	1.66E-11	2.56E-10	5.76E-12	3.30E-11	3.94E-12	4.27E-11	5.24E-12	1.73E-11	1.19E-12	2.37E-11
1926	470972.2	3818267.7	6.03E-11	2.53E-10	2.28E-11	3.37E-10	5.03E-11	1.86E-10	1.64E-11	2.53E-10	5.70E-12	3.26E-11	3.89E-12	4.22E-11	5.18E-12	1.71E-11	1.18E-12	2.34E-11
1927	470980.95	3818271.45	5.96E-11	2.50E-10	2.26E-11	3.33E-10	4.97E-11	1.84E-10	1.62E-11	2.50E-10	5.63E-12	3.22E-11	3.85E-12	4.17E-11	5.12E-12	1.69E-11	1.16E-12	2.32E-11
1928	470989.69	3818275.21	5.90E-11	2.48E-10	2.23E-11	3.29E-10	4.92E-11	1.82E-10	1.60E-11	2.47E-10	5.57E-12	3.19E-11	3.81E-12	4.13E-11	5.07E-12	1.67E-11	1.15E-12	2.29E-11
1929	470998.44	3818278.96	5.84E-11	2.45E-10	2.21E-11	3.26E-10	4.86E-11	1.80E-10	1.59E-11	2.45E-10	5.52E-12	3.16E-11	3.77E-12	4.09E-11	5.01E-12	1.65E-11	1.14E-12	2.27E-11
1930	471007.18	3818282.71	5.78E-11	2.43E-10	2.19E-11	3.22E-10	4.81E-11	1.78E-10	1.57E-11	2.42E-10	5.46E-12	3.12E-11	3.73E-12	4.04E-11	4.96E-12	1.64E-11	1.13E-12	2.24E-11
1931	471015.93	3818286.47	5.72E-11	2.40E-10	2.16E-11	3.19E-10	4.76E-11	1.76E-10	1.55E-11	2.40E-10	5.40E-12	3.09E-11	3.69E-12	4.00E-11	4.91E-12	1.62E-11	1.12E-12	2.22E-11
1932	471024.67	3818290.22	5.66E-11	2.38E-10	2.14E-11	3.16E-10	4.71E-11	1.75E-10	1.54E-11	2.37E-10	5.35E-12	3.06E-11	3.65E-12	3.96E-11	4.86E-12	1.60E-11	1.10E-12	2.20E-11
1933	471033.41	3818293.97	5.60E-11	2.35E-10	2.12E-11	3.13E-10	4.67E-11	1.73E-10	1.52E-11	2.35E-10	5.29E-12	3.03E-11	3.61E-12	3.92E-11	4.81E-12	1.59E-11	1.09E-12	2.18E-11
1934	471068.39	3818308.99	5.39E-11	2.26E-10	2.04E-11	3.01E-10	4.49E-11	1.66E-10	1.46E-11	2.26E-10	5.09E-12	2.92E-11	3.48E-12	3.77E-11	4.63E-12	1.53E-11	1.05E-12	2.09E-11
1935	471077.14	3818312.74	5.35E-11	2.25E-10	2.02E-11	2.98E-10	4.46E-11	1.65E-10	1.45E-11	2.24E-10	5.05E-12	2.89E-11	3.45E-12	3.74E-11	4.59E-12	1.51E-11	1.04E-12	2.08E-11
1936	471085.88	3818316.49	5.31E-11	2.23E-10	2.01E-11	2.96E-10	4.42E-11	1.64E-10	1.44E-11	2.22E-10	5.01E-12	2.87E-11	3.42E-12	3.71E-11	4.56E-12	1.50E-11	1.04E-12	2.06E-11
1937	471094.63	3818320.25	5.26E-11	2.21E-10	1.99E-11	2.94E-10	4.38E-11	1.62E-10	1.43E-11	2.21E-10	4.97E-12	2.85E-11	3.39E-12	3.68E-11	4.52E-12	1.49E-11	1.03E-12	2.04E-11
1938	471103.37	3818324	5.23E-11	2.19E-10	1.98E-11	2.91E-10	4.35E-11	1.61E-10	1.42E-11	2.19E-10	4.93E-12	2.82E-11	3.37E-12	3.66E-11	4.49E-12	1.48E-11	1.02E-12	2.03E-11
1939	471112.12	3818327.75	5.19E-11	2.18E-10	1.96E-11	2.89E-10	4.32E-11	1.60E-10	1.41E-11	2.17E-10	4.90E-12	2.80E-11	3.35E-12	3.63E-11	4.45E-12	1.47E-11	1.01E-12	2.02E-11
1940	471120.86	3818331.51	5.15E-11	2.16E-10	1.95E-11	2.87E-10	4.29E-11	1.59E-10	1.40E-11	2.16E-10	4.86E-12	2.78E-11	3.32E-12	3.60E-11	4.42E-12	1.46E-11	1.01E-12	2.00E-11
1941	471129.61	3818335.26	5.12E-11	2.15E-10	1.94E-11	2.86E-10	4.26E-11	1.58E-10	1.39E-11	2.15E-10	4.83E-12	2.77E-11	3.30E-12	3.58E-11	4.40E-12	1.45E-11	9.99E-13	1.99E-11
1942	471138.35	3818339.01	5.09E-11	2.14E-10	1.92E-11	2.84E-10	4.24E-11	1.57E-10	1.38E-11	2.13E-10	4.81E-12	2.75E-11	3.28E-12	3.56E-11	4.37E-12	1.44E-11	9.93E-13	1.98E-11
1943	471147.1	3818342.77	5.06E-11	2.12E-10	1.91E-11	2.82E-10	4.21E-11	1.56E-10	1.37E-11	2.12E-10	4.78E-12	2.73E-11	3.26E-12	3.54E-11	4.34E-12	1.43E-11	9.87E-13	1.96E-11
1944	471155.84	3818346.52	5.03E-11	2.11E-10	1.90E-11	2.81E-10	4.19E-11	1.55E-10	1.37E-11	2.11E-10	4.75E-12	2.72E-11	3.25E-12	3.52E-11	4.32E-12	1.42E-11	9.82E-13	1.95E-11
1945	471164.59	3818350.27	5.01E-11	2.10E-10	1.89E-11	2.79E-10	4.17E-11	1.55E-10	1.36E-11	2.10E-10	4.73E-12	2.71E-11	3.23E-12	3.50E-11	4.30E-12	1.42E-11	9.77E-13	1.95E-11
1946	471173.33	3818354.03	4.99E-11	2.10E-10	1.89E-11	2.78E-10	4.16E-11	1.54E-10	1.35E-11	2.09E-10	4.71E-12	2.70E-11	3.22E-12	3.49E-11	4.28E-12	1.41E-11	9.74E-13	1.94E-11

1947	471185.63	3818366.61	5.01E-11	2.10E-10	1.89E-11	2.79E-10	4.17E-11	1.55E-10	1.36E-11	2.10E-10	4.73E-12	2.71E-11	3.23E-12	3.50E-11	4.30E-12	1.42E-11	9.77E-13	1.95E-11
1948	471189.18	3818375.44	5.06E-11	2.12E-10	1.91E-11	2.82E-10	4.21E-11	1.56E-10	1.37E-11	2.12E-10	4.78E-12	2.73E-11	3.26E-12	3.54E-11	4.34E-12	1.43E-11	9.87E-13	1.96E-11
1949	471192.74	3818384.26	5.10E-11	2.14E-10	1.93E-11	2.85E-10	4.25E-11	1.57E-10	1.38E-11	2.14E-10	4.82E-12	2.76E-11	3.29E-12	3.57E-11	4.38E-12	1.44E-11	9.95E-13	1.98E-11
1950	471196.29	3818393.09	5.15E-11	2.16E-10	1.95E-11	2.87E-10	4.29E-11	1.59E-10	1.40E-11	2.16E-10	4.86E-12	2.78E-11	3.32E-12	3.60E-11	4.42E-12	1.46E-11	1.01E-12	2.00E-11
1951	471199.85	3818401.92	5.21E-11	2.19E-10	1.97E-11	2.90E-10	4.34E-11	1.61E-10	1.41E-11	2.18E-10	4.92E-12	2.81E-11	3.36E-12	3.64E-11	4.47E-12	1.47E-11	1.02E-12	2.02E-11
1952	471203.4	3818410.75	5.26E-11	2.21E-10	1.99E-11	2.93E-10	4.38E-11	1.62E-10	1.43E-11	2.20E-10	4.96E-12	2.84E-11	3.39E-12	3.68E-11	4.51E-12	1.49E-11	1.03E-12	2.04E-11
1953	471206.95	3818419.57	5.32E-11	2.23E-10	2.01E-11	2.97E-10	4.43E-11	1.64E-10	1.44E-11	2.23E-10	5.02E-12	2.88E-11	3.43E-12	3.72E-11	4.57E-12	1.51E-11	1.04E-12	2.07E-11
1954	471217.61	3818446.06	5.50E-11	2.31E-10	2.08E-11	3.07E-10	4.59E-11	1.70E-10	1.49E-11	2.31E-10	5.20E-12	2.98E-11	3.55E-12	3.85E-11	4.73E-12	1.56E-11	1.07E-12	2.14E-11
1955	471221.17	3818454.89	5.57E-11	2.34E-10	2.11E-11	3.11E-10	4.64E-11	1.72E-10	1.51E-11	2.34E-10	5.26E-12	3.01E-11	3.59E-12	3.90E-11	4.78E-12	1.58E-11	1.09E-12	2.16E-11
1956	471224.72	3818463.71	5.65E-11	2.37E-10	2.14E-11	3.15E-10	4.70E-11	1.74E-10	1.53E-11	2.37E-10	5.33E-12	3.05E-11	3.64E-12	3.95E-11	4.85E-12	1.60E-11	1.10E-12	2.19E-11
1957	471228.28	3818472.54	5.72E-11	2.40E-10	2.16E-11	3.19E-10	4.77E-11	1.77E-10	1.55E-11	2.40E-10	5.40E-12	3.09E-11	3.69E-12	4.00E-11	4.91E-12	1.62E-11	1.12E-12	2.22E-11
1958	471231.83	3818481.37	5.80E-11	2.43E-10	2.19E-11	3.23E-10	4.83E-11	1.79E-10	1.57E-11	2.43E-10	5.47E-12	3.13E-11	3.74E-12	4.06E-11	4.98E-12	1.64E-11	1.13E-12	2.25E-11
1959	471235.38	3818490.2	5.88E-11	2.47E-10	2.22E-11	3.28E-10	4.90E-11	1.81E-10	1.60E-11	2.46E-10	5.55E-12	3.18E-11	3.79E-12	4.11E-11	5.05E-12	1.66E-11	1.15E-12	2.28E-11
1960	471238.94	3818499.02	5.96E-11	2.50E-10	2.25E-11	3.32E-10	4.96E-11	1.84E-10	1.62E-11	2.50E-10	5.63E-12	3.22E-11	3.84E-12	4.17E-11	5.12E-12	1.69E-11	1.16E-12	2.31E-11
1961	471242.49	3818507.85	6.05E-11	2.54E-10	2.29E-11	3.37E-10	5.04E-11	1.87E-10	1.64E-11	2.53E-10	5.71E-12	3.27E-11	3.90E-12	4.23E-11	5.19E-12	1.71E-11	1.18E-12	2.35E-11
1962	471246.05	3818516.68	6.13E-11	2.58E-10	2.32E-11	3.42E-10	5.11E-11	1.89E-10	1.66E-11	2.57E-10	5.79E-12	3.32E-11	3.96E-12	4.29E-11	5.26E-12	1.74E-11	1.20E-12	2.38E-11
1963	471249.6	3818525.51	6.23E-11	2.61E-10	2.35E-11	3.47E-10	5.19E-11	1.92E-10	1.69E-11	2.61E-10	5.88E-12	3.37E-11	4.02E-12	4.36E-11	5.34E-12	1.76E-11	1.21E-12	2.42E-11
1964	471253.15	3818534.33	6.32E-11	2.65E-10	2.39E-11	3.52E-10	5.26E-11	1.95E-10	1.72E-11	2.65E-10	5.97E-12	3.42E-11	4.08E-12	4.42E-11	5.42E-12	1.79E-11	1.23E-12	2.45E-11
1965	471256.71	3818543.16	6.41E-11	2.69E-10	2.43E-11	3.58E-10	5.34E-11	1.98E-10	1.74E-11	2.69E-10	6.06E-12	3.47E-11	4.14E-12	4.49E-11	5.50E-12	1.82E-11	1.25E-12	2.49E-11
1966	471260.26	3818551.99	6.52E-11	2.74E-10	2.46E-11	3.64E-10	5.43E-11	2.01E-10	1.77E-11	2.73E-10	6.15E-12	3.52E-11	4.20E-12	4.56E-11	5.60E-12	1.84E-11	1.27E-12	2.53E-11
1967	471263.82	3818560.82	6.62E-11	2.78E-10	2.50E-11	3.69E-10	5.51E-11	2.04E-10	1.80E-11	2.77E-10	6.25E-12	3.58E-11	4.27E-12	4.63E-11	5.68E-12	1.87E-11	1.29E-12	2.57E-11
1968	471267.37	3818569.64	6.72E-11	2.82E-10	2.54E-11	3.75E-10	5.60E-11	2.07E-10	1.82E-11	2.82E-10	6.35E-12	3.63E-11	4.34E-12	4.70E-11	5.77E-12	1.90E-11	1.31E-12	2.61E-11
1969	471270.92	3818578.47	6.83E-11	2.87E-10	2.58E-11	3.81E-10	5.69E-11	2.11E-10	1.85E-11	2.86E-10	6.45E-12	3.69E-11	4.40E-12	4.78E-11	5.86E-12	1.93E-11	1.33E-12	2.65E-11
1970	471274.48	3818587.3	6.94E-11	2.91E-10	2.62E-11	3.87E-10	5.78E-11	2.14E-10	1.88E-11	2.91E-10	6.55E-12	3.75E-11	4.48E-12	4.85E-11	5.96E-12	1.96E-11	1.35E-12	2.70E-11
1971	471278.03	3818596.13	7.05E-11	2.96E-10	2.67E-11	3.93E-10	5.87E-11	2.18E-10	1.91E-11	2.95E-10	6.66E-12	3.81E-11	4.55E-12	4.93E-11	6.05E-12	2.00E-11	1.38E-12	2.74E-11
1972	471281.59	3818604.96	7.17E-11	3.01E-10	2.71E-11	4.00E-10	5.97E-11	2.21E-10	1.95E-11	3.00E-10	6.77E-12	3.88E-11	4.62E-12	5.02E-11	6.16E-12	2.03E-11	1.40E-12	2.79E-11
1973	471285.14	3818613.78	7.29E-11	3.06E-10	2.76E-11	4.07E-10	6.07E-11	2.25E-10	1.98E-11	3.05E-10	6.88E-12	3.94E-11	4.70E-12	5.10E-11	6.26E-12	2.06E-11	1.42E-12	2.83E-11
1974	471288.69	3818622.61	7.41E-11	3.11E-10	2.80E-11	4.13E-10	6.17E-11	2.29E-10	2.01E-11	3.11E-10	7.00E-12	4.01E-11	4.78E-12	5.19E-11	6.36E-12	2.10E-11	1.45E-12	2.88E-11
1975	471292.25	3818631.44	7.54E-11	3.17E-10	2.85E-11	4.20E-10	6.28E-11	2.33E-10	2.05E-11	3.16E-10	7.12E-12	4.07E-11	4.86E-12	5.27E-11	6.47E-12	2.13E-11	1.47E-12	2.93E-11
1976	471313.57	3818684.4	8.35E-11	3.51E-10	3.16E-11	4.66E-10	6.96E-11	2.58E-10	2.27E-11	3.50E-10	7.89E-12	4.51E-11	5.39E-12	5.84E-11	7.17E-12	2.36E-11	1.63E-12	3.24E-11
1977	471317.13	3818693.23	8.49E-11	3.57E-10	3.21E-11	4.74E-10	7.07E-11	2.62E-10	2.31E-11	3.56E-10	8.02E-12	4.59E-11	5.48E-12	5.94E-11	7.29E-12	2.40E-11	1.66E-12	3.30E-11
1978	471320.68	3818702.06	8.65E-11	3.63E-10	3.27E-11	4.82E-10	7.20E-11	2.67E-10	2.35E-11	3.62E-10	8.17E-12	4.68E-11	5.58E-12	6.05E-11	7.42E-12	2.45E-11	1.69E-12	3.36E-11
1979	471324.23	3818710.89	8.80E-11	3.69E-10	3.33E-11	4.91E-10	7.33E-11	2.71E-10	2.39E-11	3.69E-10	8.31E-12	4.76E-11	5.67E-12	6.15E-11	7.55E-12	2.49E-11	1.72E-12	3.42E-11
1980	471327.79	3818719.71	8.96E-11	3.76E-10	3.39E-11	5.00E-10	7.46E-11	2.76E-10	2.43E-11	3.75E-10	8.46E-12	4.84E-11	5.78E-12	6.27E-11	7.69E-12	2.54E-11	1.75E-12	3.48E-11
1981	471331.34	3818728.54	9.11E-11	3.83E-10	3.45E-11	5.08E-10	7.59E-11	2.81E-10	2.47E-11	3.82E-10	8.61E-12	4.93E-11	5.88E-12	6.38E-11	7.82E-12	2.58E-11	1.78E-12	3.54E-11
1982	471334.89	3818737.37	9.28E-11	3.90E-10	3.51E-11	5.18E-10	7.73E-11	2.86E-10	2.52E-11	3.89E-10	8.77E-12	5.02E-11	5.99E-12	6.49E-11	7.97E-12	2.63E-11	1.81E-12	3.61E-11
1983	471338.45	3818746.2	9.45E-11	3.97E-10	3.57E-11	5.27E-10	7.87E-11	2.92E-10	2.57E-11	3.96E-10	8.92E-12	5.11E-11	6.10E-12	6.61E-11	8.11E-12	2.68E-11	1.84E-12	3.67E-11
1984	471342	3818755.03	9.62E-11	4.04E-10	3.64E-11	5.37E-10	8.02E-11	2.97E-10	2.61E-11	4.03E-10	9.09E-12	5.20E-11	6.21E-12	6.73E-11	8.26E-12	2.72E-11	1.88E-12	3.74E-11
1985	471345.56	3818763.85	9.80E-11	4.11E-10	3.71E-11	5.47E-10	8.16E-11	3.02E-10	2.66E-11	4.11E-10	9.25E-12	5.30E-11	6.32E-12	6.85E-11	8.41E-12	2.77E-11	1.91E-12	3.81E-11
1986	471349.11	3818772.68	9.98E-11	4.19E-10	3.77E-11	5.57E-10	8.31E-11	3.08E-10	2.71E-11	4.18E-10	9.42E-12	5.39E-11	6.44E-12	6.98E-11	8.57E-12	2.82E-11	1.95E-12	3.88E-11
1987	471352.66	3818781.51	1.02E-10	4.27E-10	3.84E-11	5.67E-10	8.46E-11	3.13E-10	2.76E-11	4.26E-10	9.59E-12	5.49E-11	6.55E-12	7.11E-11	8.72E-12	2.88E-11	1.98E-12	3.95E-11
1988	471356.22	3818790.34	1.03E-10	4.34E-10	3.91E-11	5.77E-10	8.62E-11	3.19E-10	2.81E-11	4.33E-10	9.77E-12	5.59E-11	6.67E-12	7.24E-11	8.88E-12	2.93E-11	2.02E-12	4.02E-11
1989	471359.77	3818799.16	1.05E-10	4.43E-10	3.99E-11	5.88E-10	8.78E-11	3.25E-10	2.86E-11	4.42E-10	9.95E-12	5.70E-11	6.80E-12	7.37E-11	9.05E-12	2.98E-11	2.06E-12	4.09E-11
1990	471363.33	3818807.99	1.07E-10	4.51E-10	4.06E-11	5.99E-10	8.94E-11	3.31E-10	2.91E-11	4.50E-10	1.01E-11	5.80E-11	6.92E-12	7.51E-11	9.21E-12	3.04E-11	2.09E-12	4.17E-11
1991	471366.88	3818816.82	1.09E-10	4.59E-10	4.13E-11	6.10E-10	9.10E-11	3.37E-10	2.97E-11	4.58E-10	1.03E-11	5.91E-11	7.05E-12	7.65E-11	9.38E-12	3.09E-11	2.13E-12	4.25E-11
1992	471370.43	3818825.65	1.11E-10	4.68E-10	4.21E-11	6.21E-10	9.27E-11	3.44E-10	3.02E-11	4.67E-10	1.05E-11	6.02E-11	7.18E-12	7.79E-11	9.56E-12	3.15E-11	2.17E-12	4.32E-11
1993	471373.99	3818834.47	1.13E-10	4.76E-10	4.29E-11	6.32E-10	9.44E-11	3.50E-10	3.08E-11	4.75E-10	1.07E-11	6.13E-11	7.31E-12	7.93E-11	9.73E-12	3.21E-11	2.21E-12	4.40E-11
1994	471381.1	3818852.13	1.18E-10	4.94E-10	4.45E-11	6.56E-10	9.80E-11	3.63E-10	3.19E-11	4.93E-10	1.11E-11	6.36E-11	7.59E-12	8.23E-11	1.01E-11	3.33E-11	2.30E-12	4.57E-11
1995	471384.65	3818860.96	1.20E-10	5.03E-10	4.53E-11	6.68E-10	9.98E-11	3.70E-10	3.25E-11	5.02E-10	1.13E-11	6.48E-11	7.73E-12	8.38E-11	1.03E-11	3.39E-11	2.34E-12	4.65E-11
1996	471388.2	3818869.78	1.22E-10	5.12E-10	4.62E-11	6.81E-10	1.02E-10	3.77E-10	3.31E-11	5.11E-10	1.15E-11	6.60E-11	7.87E-12	8.54E-11	1.05E-11	3.45E-11	2.38E-12	4.74E-11

1997	471391.76	3818878.61	1.24E-10	5.22E-10	4.70E-11	6.93E-10	1.04E-10	3.83E-10	3.37E-11	5.21E-10	1.17E-11	6.72E-11	8.02E-12	8.69E-11	1.07E-11	3.52E-11	2.42E-12	4.83E-11
1998	471395.31	3818887.44	1.27E-10	5.32E-10	4.79E-11	7.06E-10	1.05E-10	3.91E-10	3.44E-11	5.30E-10	1.20E-11	6.84E-11	8.16E-12	8.85E-11	1.09E-11	3.58E-11	2.47E-12	4.92E-11
1999	471398.87	3818896.27	1.29E-10	5.41E-10	4.87E-11	7.19E-10	1.07E-10	3.98E-10	3.50E-11	5.40E-10	1.22E-11	6.97E-11	8.31E-12	9.01E-11	1.11E-11	3.65E-11	2.51E-12	5.01E-11
2000	471402.42	3818905.1	1.31E-10	5.51E-10	4.96E-11	7.32E-10	1.09E-10	4.05E-10	3.56E-11	5.50E-10	1.24E-11	7.09E-11	8.46E-12	9.18E-11	1.13E-11	3.71E-11	2.56E-12	5.10E-11
2001	471405.97	3818913.92	1.34E-10	5.61E-10	5.05E-11	7.45E-10	1.11E-10	4.12E-10	3.63E-11	5.60E-10	1.26E-11	7.22E-11	8.62E-12	9.34E-11	1.15E-11	3.78E-11	2.61E-12	5.19E-11
2002	471409.53	3818922.75	1.36E-10	5.71E-10	5.14E-11	7.59E-10	1.13E-10	4.20E-10	3.69E-11	5.70E-10	1.28E-11	7.35E-11	8.77E-12	9.51E-11	1.17E-11	3.85E-11	2.65E-12	5.28E-11
2003	471413.08	3818931.58	1.38E-10	5.81E-10	5.23E-11	7.72E-10	1.15E-10	4.27E-10	3.76E-11	5.80E-10	1.31E-11	7.48E-11	8.92E-12	9.68E-11	1.19E-11	3.92E-11	2.70E-12	5.37E-11
2004	471420.19	3818949.23	1.43E-10	6.01E-10	5.42E-11	7.99E-10	1.19E-10	4.42E-10	3.89E-11	6.00E-10	1.35E-11	7.74E-11	9.24E-12	1.00E-10	1.23E-11	4.05E-11	2.79E-12	5.56E-11
2005	471423.74	3818958.06	1.46E-10	6.12E-10	5.51E-11	8.13E-10	1.21E-10	4.50E-10	3.96E-11	6.11E-10	1.38E-11	7.88E-11	9.40E-12	1.02E-10	1.25E-11	4.12E-11	2.84E-12	5.66E-11
2006	471427.3	3818966.89	1.48E-10	6.22E-10	5.60E-11	8.27E-10	1.23E-10	4.57E-10	4.02E-11	6.21E-10	1.40E-11	8.01E-11	9.56E-12	1.04E-10	1.27E-11	4.19E-11	2.89E-12	5.76E-11
2007	471430.85	3818975.72	1.51E-10	6.33E-10	5.70E-11	8.40E-10	1.26E-10	4.65E-10	4.09E-11	6.31E-10	1.42E-11	8.15E-11	9.72E-12	1.05E-10	1.29E-11	4.26E-11	2.94E-12	5.85E-11
2008	471434.41	3818984.54	1.53E-10	6.43E-10	5.79E-11	8.54E-10	1.28E-10	4.73E-10	4.16E-11	6.42E-10	1.45E-11	8.28E-11	9.88E-12	1.07E-10	1.31E-11	4.34E-11	2.99E-12	5.95E-11
2009	471437.96	3818993.37	1.56E-10	6.54E-10	5.89E-11	8.68E-10	1.30E-10	4.80E-10	4.23E-11	6.52E-10	1.47E-11	8.41E-11	1.00E-11	1.09E-10	1.34E-11	4.41E-11	3.04E-12	6.05E-11
2010	471441.51	3819002.2	1.58E-10	6.64E-10	5.98E-11	8.82E-10	1.32E-10	4.88E-10	4.29E-11	6.63E-10	1.49E-11	8.55E-11	1.02E-11	1.11E-10	1.36E-11	4.48E-11	3.09E-12	6.14E-11
2011	471445.07	3819011.03	1.61E-10	6.75E-10	6.07E-11	8.96E-10	1.34E-10	4.96E-10	4.36E-11	6.73E-10	1.52E-11	8.68E-11	1.04E-11	1.12E-10	1.38E-11	4.55E-11	3.13E-12	6.24E-11
2012	471448.62	3819019.85	1.63E-10	6.85E-10	6.17E-11	9.10E-10	1.36E-10	5.03E-10	4.43E-11	6.83E-10	1.54E-11	8.82E-11	1.05E-11	1.14E-10	1.40E-11	4.62E-11	3.18E-12	6.34E-11
2013	471452.18	3819028.68	1.66E-10	6.95E-10	6.26E-11	9.24E-10	1.38E-10	5.11E-10	4.49E-11	6.94E-10	1.56E-11	8.95E-11	1.07E-11	1.16E-10	1.42E-11	4.69E-11	3.23E-12	6.43E-11
2014	471462.84	3819055.17	1.73E-10	7.26E-10	6.54E-11	9.64E-10	1.44E-10	5.34E-10	4.69E-11	7.25E-10	1.63E-11	9.35E-11	1.12E-11	1.21E-10	1.48E-11	4.89E-11	3.37E-12	6.72E-11
2015	471466.39	3819063.99	1.75E-10	7.36E-10	6.63E-11	9.78E-10	1.46E-10	5.41E-10	4.76E-11	7.34E-10	1.66E-11	9.48E-11	1.13E-11	1.23E-10	1.50E-11	4.96E-11	3.42E-12	6.81E-11
2016	471469.94	3819072.82	1.78E-10	7.46E-10	6.72E-11	9.91E-10	1.48E-10	5.48E-10	4.82E-11	7.44E-10	1.68E-11	9.60E-11	1.15E-11	1.24E-10	1.52E-11	5.03E-11	3.47E-12	6.90E-11
2017	471473.5	3819081.65	1.80E-10	7.56E-10	6.81E-11	1.00E-09	1.50E-10	5.55E-10	4.88E-11	7.54E-10	1.70E-11	9.73E-11	1.16E-11	1.26E-10	1.54E-11	5.09E-11	3.51E-12	6.99E-11
2018	471477.05	3819090.48	1.82E-10	7.65E-10	6.89E-11	1.02E-09	1.52E-10	5.62E-10	4.95E-11	7.63E-10	1.72E-11	9.85E-11	1.18E-11	1.27E-10	1.56E-11	5.16E-11	3.55E-12	7.08E-11
2019	471480.61	3819099.3	1.84E-10	7.74E-10	6.97E-11	1.03E-09	1.54E-10	5.69E-10	5.01E-11	7.73E-10	1.74E-11	9.97E-11	1.19E-11	1.29E-10	1.58E-11	5.22E-11	3.60E-12	7.16E-11
2020	471484.16	3819108.13	1.87E-10	7.84E-10	7.06E-11	1.04E-09	1.55E-10	5.76E-10	5.07E-11	7.82E-10	1.76E-11	1.01E-10	1.20E-11	1.31E-10	1.60E-11	5.28E-11	3.64E-12	7.25E-11
2021	471487.71	3819116.96	1.89E-10	7.92E-10	7.14E-11	1.05E-09	1.57E-10	5.82E-10	5.12E-11	7.91E-10	1.78E-11	1.02E-10	1.22E-11	1.32E-10	1.62E-11	5.34E-11	3.68E-12	7.33E-11
2022	471491.27	3819125.79	1.91E-10	8.01E-10	7.21E-11	1.06E-09	1.59E-10	5.89E-10	5.18E-11	7.99E-10	1.80E-11	1.03E-10	1.23E-11	1.33E-10	1.64E-11	5.40E-11	3.72E-12	7.41E-11
2023	471494.82	3819134.61	1.93E-10	8.10E-10	7.29E-11	1.08E-09	1.61E-10	5.95E-10	5.23E-11	8.08E-10	1.82E-11	1.04E-10	1.24E-11	1.35E-10	1.66E-11	5.46E-11	3.76E-12	7.49E-11
2024	471501.93	3819152.27	1.97E-10	8.26E-10	7.43E-11	1.10E-09	1.64E-10	6.07E-10	5.34E-11	8.24E-10	1.86E-11	1.06E-10	1.27E-11	1.38E-10	1.69E-11	5.56E-11	3.84E-12	7.64E-11
2025	471505.48	3819161.1	1.98E-10	8.33E-10	7.51E-11	1.11E-09	1.65E-10	6.12E-10	5.39E-11	8.32E-10	1.87E-11	1.07E-10	1.28E-11	1.39E-10	1.70E-11	5.62E-11	3.87E-12	7.71E-11
2026	471509.04	3819169.92	2.00E-10	8.41E-10	7.57E-11	1.12E-09	1.67E-10	6.18E-10	5.43E-11	8.39E-10	1.89E-11	1.08E-10	1.29E-11	1.40E-10	1.72E-11	5.67E-11	3.91E-12	7.78E-11
2027	471512.59	3819178.75	2.02E-10	8.48E-10	7.63E-11	1.13E-09	1.68E-10	6.23E-10	5.48E-11	8.46E-10	1.91E-11	1.09E-10	1.30E-11	1.41E-10	1.73E-11	5.71E-11	3.94E-12	7.84E-11
2028	471516.15	3819187.58	2.03E-10	8.55E-10	7.70E-11	1.13E-09	1.69E-10	6.28E-10	5.52E-11	8.53E-10	1.92E-11	1.10E-10	1.31E-11	1.42E-10	1.75E-11	5.76E-11	3.97E-12	7.90E-11
2029	471519.7	3819196.41	2.05E-10	8.61E-10	7.75E-11	1.14E-09	1.71E-10	6.33E-10	5.56E-11	8.59E-10	1.94E-11	1.11E-10	1.32E-11	1.43E-10	1.76E-11	5.80E-11	4.00E-12	7.96E-11
2030	471523.25	3819205.24	2.06E-10	8.67E-10	7.81E-11	1.15E-09	1.72E-10	6.37E-10	5.60E-11	8.65E-10	1.95E-11	1.12E-10	1.33E-11	1.44E-10	1.77E-11	5.84E-11	4.03E-12	8.02E-11
2031	471526.81	3819214.06	2.08E-10	8.73E-10	7.86E-11	1.16E-09	1.73E-10	6.41E-10	5.64E-11	8.71E-10	1.96E-11	1.12E-10	1.34E-11	1.45E-10	1.78E-11	5.88E-11	4.06E-12	8.07E-11
2032	471530.36	3819222.89	2.09E-10	8.78E-10	7.91E-11	1.17E-09	1.74E-10	6.45E-10	5.68E-11	8.76E-10	1.97E-11	1.13E-10	1.35E-11	1.46E-10	1.80E-11	5.92E-11	4.08E-12	8.12E-11
2033	470184.11	3817977.08	1.38E-10	5.81E-10	5.23E-11	7.71E-10	1.15E-10	4.27E-10	3.75E-11	5.79E-10	1.31E-11	7.47E-11	8.92E-12	9.67E-11	1.19E-11	3.91E-11	2.70E-12	5.37E-11
2034	470174.55	3817976.94	1.39E-10	5.84E-10	5.26E-11	7.76E-10	1.16E-10	4.29E-10	3.77E-11	5.83E-10	1.31E-11	7.52E-11	8.97E-12	9.73E-11	1.19E-11	3.94E-11	2.71E-12	5.40E-11
2035	470164.99	3817976.81	1.40E-10	5.87E-10	5.29E-11	7.80E-10	1.16E-10	4.32E-10	3.80E-11	5.86E-10	1.32E-11	7.56E-11	9.02E-12	9.78E-11	1.20E-11	3.96E-11	2.73E-12	5.43E-11
2036	470155.42	3817976.67	1.40E-10	5.90E-10	5.31E-11	7.84E-10	1.17E-10	4.34E-10	3.81E-11	5.89E-10	1.33E-11	7.59E-11	9.06E-12	9.83E-11	1.21E-11	3.98E-11	2.74E-12	5.46E-11
2037	470145.86	3817976.54	1.41E-10	5.92E-10	5.33E-11	7.86E-10	1.17E-10	4.35E-10	3.83E-11	5.91E-10	1.33E-11	7.62E-11	9.09E-12	9.86E-11	1.21E-11	3.99E-11	2.75E-12	5.48E-11
2038	470136.3	3817976.4	1.41E-10	5.94E-10	5.35E-11	7.88E-10	1.18E-10	4.36E-10	3.84E-11	5.92E-10	1.33E-11	7.64E-11	9.12E-12	9.89E-11	1.21E-11	4.00E-11	2.76E-12	5.49E-11
2039	470126.74	3817976.27	1.41E-10	5.94E-10	5.35E-11	7.89E-10	1.18E-10	4.37E-10	3.84E-11	5.93E-10	1.34E-11	7.65E-11	9.13E-12	9.90E-11	1.21E-11	4.00E-11	2.76E-12	5.50E-11
2040	470370.21	3817928.85	9.90E-11	4.16E-10	3.74E-11	5.52E-10	8.24E-11	3.05E-10	2.69E-11	4.15E-10	9.35E-12	5.35E-11	6.38E-12	6.92E-11	8.50E-12	2.80E-11	1.93E-12	3.84E-11
2041	470378.99	3817932.61	9.79E-11	4.11E-10	3.70E-11	5.46E-10	8.15E-11	3.02E-10	2.66E-11	4.10E-10	9.24E-12	5.29E-11	6.31E-12	6.85E-11	8.40E-12	2.77E-11	1.91E-12	3.80E-11
2042	470387.77	3817936.38	9.67E-11	4.06E-10	3.66E-11	5.40E-10	8.06E-11	2.99E-10	2.63E-11	4.05E-10	9.14E-12	5.23E-11	6.24E-12	6.77E-11	8.30E-12	2.74E-11	1.89E-12	3.76E-11
2043	470396.55	3817940.15	9.58E-11	4.02E-10	3.62E-11	5.34E-10	7.98E-11	2.96E-10	2.60E-11	4.01E-10	9.05E-12	5.18E-11	6.18E-12	6.70E-11	8.22E-12	2.71E-11	1.87E-12	3.72E-11
2044	470405.33	3817943.92	9.49E-11	3.99E-10	3.59E-11	5.30E-10	7.91E-11	2.93E-10	2.58E-11	3.98E-10	8.97E-12	5.13E-11	6.12E-12	6.64E-11	8.15E-12	2.69E-11	1.85E-12	3.69E-11
2045	470414.11	3817947.68	9.41E-11	3.95E-10	3.56E-11	5.25E-10	7.84E-11	2.90E-10	2.56E-11	3.94E-10	8.89E-12	5.09E-11	6.07E-12	6.58E-11	8.08E-12	2.66E-11	1.84E-12	3.66E-11
2046	470422.88	3817951.45	9.34E-11	3.92E-10	3.53E-11	5.21E-10	7.78E-11	2.88E-10	2.54E-11	3.92E-10	8.82E-12	5.05E-11	6.03E-12	6.54E-11	8.02E-12	2.65E-11	1.82E-12	3.63E-11

2047	470431.66	3817955.22	9.28E-11	3.90E-10	3.51E-11	5.18E-10	7.73E-11	2.86E-10	2.52E-11	3.89E-10	8.77E-12	5.02E-11	5.99E-12	6.49E-11	7.97E-12	2.63E-11	1.81E-12	3.61E-11
2048	470440.44	3817958.99	9.22E-11	3.87E-10	3.49E-11	5.14E-10	7.68E-11	2.85E-10	2.50E-11	3.86E-10	8.71E-12	4.98E-11	5.95E-12	6.45E-11	7.92E-12	2.61E-11	1.80E-12	3.58E-11
2049	470449.22	3817962.76	9.16E-11	3.85E-10	3.46E-11	5.11E-10	7.63E-11	2.83E-10	2.49E-11	3.84E-10	8.65E-12	4.95E-11	5.91E-12	6.41E-11	7.86E-12	2.59E-11	1.79E-12	3.56E-11
2050	470458	3817966.52	9.29E-11	3.90E-10	3.51E-11	5.18E-10	7.74E-11	2.87E-10	2.52E-11	3.89E-10	8.77E-12	5.02E-11	5.99E-12	6.50E-11	7.97E-12	2.63E-11	1.81E-12	3.61E-11
2051	470466.78	3817970.29	9.22E-11	3.87E-10	3.49E-11	5.14E-10	7.68E-11	2.85E-10	2.50E-11	3.86E-10	8.71E-12	4.98E-11	5.95E-12	6.45E-11	7.92E-12	2.61E-11	1.80E-12	3.58E-11
2052	470475.56	3817974.06	9.15E-11	3.84E-10	3.46E-11	5.10E-10	7.62E-11	2.82E-10	2.48E-11	3.83E-10	8.64E-12	4.94E-11	5.90E-12	6.40E-11	7.85E-12	2.59E-11	1.78E-12	3.55E-11
2053	470484.33	3817977.83	9.07E-11	3.81E-10	3.43E-11	5.06E-10	7.55E-11	2.80E-10	2.46E-11	3.80E-10	8.56E-12	4.90E-11	5.85E-12	6.34E-11	7.78E-12	2.57E-11	1.77E-12	3.52E-11
2054	470493.11	3817981.6	8.98E-11	3.77E-10	3.40E-11	5.01E-10	7.48E-11	2.77E-10	2.44E-11	3.76E-10	8.48E-12	4.86E-11	5.80E-12	6.28E-11	7.71E-12	2.54E-11	1.75E-12	3.49E-11
2055	470501.89	3817985.36	8.90E-11	3.74E-10	3.37E-11	4.97E-10	7.42E-11	2.75E-10	2.42E-11	3.73E-10	8.41E-12	4.81E-11	5.74E-12	6.23E-11	7.64E-12	2.52E-11	1.74E-12	3.46E-11
2056	470510.67	3817989.13	8.83E-11	3.71E-10	3.34E-11	4.92E-10	7.35E-11	2.72E-10	2.40E-11	3.70E-10	8.34E-12	4.77E-11	5.69E-12	6.18E-11	7.58E-12	2.50E-11	1.72E-12	3.43E-11
2057	470519.45	3817992.9	8.75E-11	3.68E-10	3.31E-11	4.88E-10	7.29E-11	2.70E-10	2.38E-11	3.67E-10	8.27E-12	4.73E-11	5.65E-12	6.12E-11	7.52E-12	2.48E-11	1.71E-12	3.40E-11
2058	470528.23	3817996.67	8.69E-11	3.65E-10	3.29E-11	4.84E-10	7.24E-11	2.68E-10	2.36E-11	3.64E-10	8.20E-12	4.70E-11	5.60E-12	6.08E-11	7.46E-12	2.46E-11	1.69E-12	3.37E-11
2059	470537	3818000.43	8.61E-11	3.62E-10	3.26E-11	4.80E-10	7.17E-11	2.66E-10	2.34E-11	3.61E-10	8.13E-12	4.66E-11	5.55E-12	6.02E-11	7.39E-12	2.44E-11	1.68E-12	3.34E-11
2060	470545.78	3818004.2	8.54E-11	3.59E-10	3.23E-11	4.76E-10	7.11E-11	2.63E-10	2.32E-11	3.58E-10	8.06E-12	4.62E-11	5.51E-12	5.97E-11	7.33E-12	2.42E-11	1.67E-12	3.32E-11
2061	470554.56	3818007.97	8.46E-11	3.55E-10	3.20E-11	4.72E-10	7.05E-11	2.61E-10	2.30E-11	3.55E-10	7.99E-12	4.57E-11	5.46E-12	5.92E-11	7.26E-12	2.40E-11	1.65E-12	3.29E-11
2062	470563.34	3818011.74	8.39E-11	3.53E-10	3.17E-11	4.68E-10	6.99E-11	2.59E-10	2.28E-11	3.52E-10	7.93E-12	4.54E-11	5.41E-12	5.87E-11	7.21E-12	2.38E-11	1.64E-12	3.26E-11
2063	470572.12	3818015.51	8.33E-11	3.50E-10	3.15E-11	4.64E-10	6.93E-11	2.57E-10	2.26E-11	3.49E-10	7.86E-12	4.50E-11	5.37E-12	5.82E-11	7.15E-12	2.36E-11	1.62E-12	3.23E-11
2064	470580.9	3818019.27	8.26E-11	3.47E-10	3.12E-11	4.61E-10	6.88E-11	2.55E-10	2.24E-11	3.46E-10	7.80E-12	4.46E-11	5.33E-12	5.78E-11	7.09E-12	2.34E-11	1.61E-12	3.21E-11
2065	470589.68	3818023.04	8.19E-11	3.44E-10	3.10E-11	4.57E-10	6.82E-11	2.53E-10	2.22E-11	3.43E-10	7.73E-12	4.43E-11	5.28E-12	5.73E-11	7.03E-12	2.32E-11	1.60E-12	3.18E-11
2066	470598.45	3818026.81	8.13E-11	3.41E-10	3.07E-11	4.53E-10	6.77E-11	2.51E-10	2.21E-11	3.41E-10	7.67E-12	4.39E-11	5.24E-12	5.69E-11	6.98E-12	2.30E-11	1.59E-12	3.16E-11
2067	470607.23	3818030.58	8.07E-11	3.39E-10	3.05E-11	4.50E-10	6.72E-11	2.49E-10	2.19E-11	3.38E-10	7.62E-12	4.36E-11	5.21E-12	5.65E-11	6.93E-12	2.28E-11	1.57E-12	3.13E-11
2068	470616.01	3818034.34	8.02E-11	3.37E-10	3.03E-11	4.47E-10	6.68E-11	2.47E-10	2.18E-11	3.36E-10	7.57E-12	4.33E-11	5.17E-12	5.61E-11	6.88E-12	2.27E-11	1.56E-12	3.11E-11
2069	470624.79	3818038.11	7.96E-11	3.34E-10	3.01E-11	4.44E-10	6.63E-11	2.46E-10	2.16E-11	3.34E-10	7.52E-12	4.30E-11	5.13E-12	5.57E-11	6.83E-12	2.25E-11	1.55E-12	3.09E-11
2070	470633.57	3818041.88	7.91E-11	3.32E-10	2.99E-11	4.41E-10	6.59E-11	2.44E-10	2.15E-11	3.31E-10	7.47E-12	4.28E-11	5.10E-12	5.53E-11	6.79E-12	2.24E-11	1.54E-12	3.07E-11
2071	470642.35	3818045.65	7.85E-11	3.30E-10	2.97E-11	4.38E-10	6.54E-11	2.42E-10	2.13E-11	3.29E-10	7.42E-12	4.25E-11	5.07E-12	5.49E-11	6.74E-12	2.22E-11	1.53E-12	3.05E-11
2072	470651.12	3818049.42	7.80E-11	3.28E-10	2.95E-11	4.35E-10	6.50E-11	2.41E-10	2.12E-11	3.27E-10	7.37E-12	4.22E-11	5.03E-12	5.46E-11	6.70E-12	2.21E-11	1.52E-12	3.03E-11
2073	470659.9	3818053.18	7.74E-11	3.25E-10	2.93E-11	4.32E-10	6.45E-11	2.39E-10	2.10E-11	3.24E-10	7.31E-12	4.19E-11	4.99E-12	5.42E-11	6.65E-12	2.19E-11	1.51E-12	3.01E-11
2074	470668.68	3818056.95	7.69E-11	3.23E-10	2.91E-11	4.29E-10	6.40E-11	2.37E-10	2.09E-11	3.22E-10	7.26E-12	4.15E-11	4.96E-12	5.38E-11	6.60E-12	2.18E-11	1.50E-12	2.99E-11
2075	470677.46	3818060.72	7.63E-11	3.20E-10	2.89E-11	4.26E-10	6.36E-11	2.35E-10	2.07E-11	3.20E-10	7.21E-12	4.12E-11	4.92E-12	5.34E-11	6.55E-12	2.16E-11	1.49E-12	2.96E-11
2076	470686.24	3818064.49	7.57E-11	3.18E-10	2.86E-11	4.22E-10	6.31E-11	2.34E-10	2.06E-11	3.17E-10	7.15E-12	4.09E-11	4.89E-12	5.30E-11	6.50E-12	2.14E-11	1.48E-12	2.94E-11
2077	470695.02	3818068.25	7.52E-11	3.16E-10	2.84E-11	4.19E-10	6.26E-11	2.32E-10	2.04E-11	3.15E-10	7.10E-12	4.06E-11	4.85E-12	5.26E-11	6.45E-12	2.13E-11	1.47E-12	2.92E-11
2078	470703.8	3818072.02	7.46E-11	3.13E-10	2.82E-11	4.16E-10	6.22E-11	2.30E-10	2.03E-11	3.13E-10	7.05E-12	4.03E-11	4.81E-12	5.22E-11	6.41E-12	2.11E-11	1.46E-12	2.90E-11
2079	470712.57	3818075.79	7.41E-11	3.11E-10	2.80E-11	4.13E-10	6.17E-11	2.29E-10	2.01E-11	3.10E-10	6.99E-12	4.00E-11	4.78E-12	5.18E-11	6.36E-12	2.10E-11	1.45E-12	2.88E-11
2080	470721.35	3818079.56	7.34E-11	3.08E-10	2.78E-11	4.10E-10	6.12E-11	2.27E-10	1.99E-11	3.08E-10	6.94E-12	3.97E-11	4.74E-12	5.14E-11	6.30E-12	2.08E-11	1.43E-12	2.85E-11
2081	470730.13	3818083.33	7.28E-11	3.06E-10	2.75E-11	4.06E-10	6.07E-11	2.25E-10	1.98E-11	3.05E-10	6.88E-12	3.94E-11	4.70E-12	5.09E-11	6.25E-12	2.06E-11	1.42E-12	2.83E-11
2082	470738.91	3818087.09	7.22E-11	3.03E-10	2.73E-11	4.03E-10	6.01E-11	2.23E-10	1.96E-11	3.03E-10	6.82E-12	3.90E-11	4.66E-12	5.05E-11	6.20E-12	2.04E-11	1.41E-12	2.80E-11
2083	470747.69	3818090.86	7.17E-11	3.01E-10	2.71E-11	4.00E-10	5.97E-11	2.21E-10	1.95E-11	3.00E-10	6.77E-12	3.88E-11	4.62E-12	5.02E-11	6.16E-12	2.03E-11	1.40E-12	2.79E-11
2084	470756.47	3818094.63	7.12E-11	2.99E-10	2.69E-11	3.97E-10	5.93E-11	2.20E-10	1.93E-11	2.98E-10	6.72E-12	3.85E-11	4.59E-12	4.98E-11	6.11E-12	2.02E-11	1.39E-12	2.77E-11
2085	470765.24	3818098.4	7.06E-11	2.97E-10	2.67E-11	3.94E-10	5.88E-11	2.18E-10	1.92E-11	2.96E-10	6.67E-12	3.82E-11	4.56E-12	4.94E-11	6.06E-12	2.00E-11	1.38E-12	2.74E-11
2086	470774.02	3818102.16	7.00E-11	2.94E-10	2.65E-11	3.91E-10	5.83E-11	2.16E-10	1.90E-11	2.93E-10	6.61E-12	3.79E-11	4.52E-12	4.90E-11	6.01E-12	1.98E-11	1.37E-12	2.72E-11
2087	470782.8	3818105.93	6.95E-11	2.92E-10	2.63E-11	3.87E-10	5.79E-11	2.14E-10	1.89E-11	2.91E-10	6.56E-12	3.76E-11	4.48E-12	4.86E-11	5.96E-12	1.97E-11	1.36E-12	2.70E-11
2088	470791.58	3818109.7	6.88E-11	2.89E-10	2.60E-11	3.84E-10	5.73E-11	2.12E-10	1.87E-11	2.88E-10	6.50E-12	3.72E-11	4.44E-12	4.82E-11	5.91E-12	1.95E-11	1.34E-12	2.67E-11
2089	470800.36	3818113.47	6.83E-11	2.87E-10	2.58E-11	3.81E-10	5.69E-11	2.11E-10	1.85E-11	2.86E-10	6.45E-12	3.69E-11	4.40E-12	4.78E-11	5.86E-12	1.93E-11	1.33E-12	2.65E-11
2090	470809.14	3818117.24	6.77E-11	2.84E-10	2.56E-11	3.77E-10	5.64E-11	2.09E-10	1.84E-11	2.84E-10	6.39E-12	3.66E-11	4.36E-12	4.73E-11	5.81E-12	1.92E-11	1.32E-12	2.63E-11
2091	470817.92	3818121	6.71E-11	2.82E-10	2.54E-11	3.74E-10	5.59E-11	2.07E-10	1.82E-11	2.81E-10	6.34E-12	3.63E-11	4.33E-12	4.69E-11	5.76E-12	1.90E-11	1.31E-12	2.61E-11
2092	470826.69	3818124.77	6.65E-11	2.79E-10	2.51E-11	3.71E-10	5.54E-11	2.05E-10	1.80E-11	2.79E-10	6.28E-12	3.59E-11	4.29E-12	4.65E-11	5.71E-12	1.88E-11	1.30E-12	2.58E-11
2093	470835.47	3818128.54	6.59E-11	2.77E-10	2.49E-11	3.68E-10	5.49E-11	2.03E-10	1.79E-11	2.76E-10	6.23E-12	3.56E-11	4.25E-12	4.61E-11	5.66E-12	1.87E-11	1.29E-12	2.56E-11
2094	470844.25	3818132.31	6.53E-11	2.74E-10	2.47E-11	3.64E-10	5.44E-11	2.02E-10	1.77E-11	2.74E-10	6.17E-12	3.53E-11	4.21E-12	4.57E-11	5.61E-12	1.85E-11	1.27E-12	2.54E-11
2095	470853.03	3818136.07	6.47E-11	2.72E-10	2.45E-11	3.61E-10	5.39E-11	2.00E-10	1.76E-11	2.71E-10	6.11E-12	3.50E-11	4.17E-12	4.52E-11	5.55E-12	1.83E-11	1.26E-12	2.51E-11
2096	470861.81	3818139.84	6.41E-11	2.69E-10	2.43E-11	3.58E-10	5.34E-11	1.98E-10	1.74E-11	2.69E-10	6.06E-12	3.47E-11	4.14E-12	4.49E-11	5.50E-12	1.82E-11	1.25E-12	2.49E-11

2097	470870.59	3818143.61	6.35E-11	2.67E-10	2.40E-11	3.54E-10	5.29E-11	1.96E-10	1.72E-11	2.66E-10	6.00E-12	3.43E-11	4.10E-12	4.44E-11	5.45E-12	1.80E-11	1.24E-12	2.47E-11
2098	470879.37	3818147.38	6.29E-11	2.64E-10	2.38E-11	3.51E-10	5.24E-11	1.94E-10	1.71E-11	2.63E-10	5.94E-12	3.40E-11	4.06E-12	4.40E-11	5.40E-12	1.78E-11	1.23E-12	2.44E-11
2099	470888.14	3818151.15	6.23E-11	2.61E-10	2.35E-11	3.47E-10	5.19E-11	1.92E-10	1.69E-11	2.61E-10	5.88E-12	3.37E-11	4.02E-12	4.36E-11	5.34E-12	1.76E-11	1.21E-12	2.42E-11
2100	470896.92	3818154.91	6.16E-11	2.59E-10	2.33E-11	3.44E-10	5.13E-11	1.90E-10	1.67E-11	2.58E-10	5.82E-12	3.33E-11	3.98E-12	4.31E-11	5.29E-12	1.74E-11	1.20E-12	2.39E-11
2101	470905.7	3818158.68	6.10E-11	2.56E-10	2.31E-11	3.40E-10	5.08E-11	1.88E-10	1.66E-11	2.56E-10	5.76E-12	3.30E-11	3.94E-12	4.27E-11	5.24E-12	1.73E-11	1.19E-12	2.37E-11
2102	470914.48	3818162.45	6.03E-11	2.53E-10	2.28E-11	3.37E-10	5.03E-11	1.86E-10	1.64E-11	2.53E-10	5.70E-12	3.26E-11	3.89E-12	4.22E-11	5.18E-12	1.71E-11	1.18E-12	2.34E-11
2103	470923.26	3818166.22	5.97E-11	2.51E-10	2.26E-11	3.33E-10	4.97E-11	1.84E-10	1.62E-11	2.50E-10	5.64E-12	3.23E-11	3.85E-12	4.18E-11	5.13E-12	1.69E-11	1.17E-12	2.32E-11
2104	470932.04	3818169.98	5.90E-11	2.48E-10	2.23E-11	3.29E-10	4.92E-11	1.82E-10	1.60E-11	2.47E-10	5.57E-12	3.19E-11	3.81E-12	4.13E-11	5.07E-12	1.67E-11	1.15E-12	2.29E-11
2105	470940.81	3818173.75	5.83E-11	2.45E-10	2.20E-11	3.25E-10	4.85E-11	1.80E-10	1.58E-11	2.44E-10	5.50E-12	3.15E-11	3.76E-12	4.08E-11	5.00E-12	1.65E-11	1.14E-12	2.26E-11
2106	470949.59	3818177.52	5.75E-11	2.42E-10	2.18E-11	3.21E-10	4.79E-11	1.78E-10	1.56E-11	2.41E-10	5.43E-12	3.11E-11	3.71E-12	4.02E-11	4.94E-12	1.63E-11	1.12E-12	2.23E-11
2107	470958.37	3818181.29	5.69E-11	2.39E-10	2.15E-11	3.17E-10	4.74E-11	1.76E-10	1.54E-11	2.38E-10	5.37E-12	3.08E-11	3.67E-12	3.98E-11	4.89E-12	1.61E-11	1.11E-12	2.21E-11
2108	470967.15	3818185.06	5.63E-11	2.36E-10	2.13E-11	3.14E-10	4.69E-11	1.74E-10	1.53E-11	2.36E-10	5.32E-12	3.04E-11	3.63E-12	3.94E-11	4.83E-12	1.59E-11	1.10E-12	2.19E-11
2109	470975.93	3818188.82	5.57E-11	2.34E-10	2.11E-11	3.11E-10	4.64E-11	1.72E-10	1.51E-11	2.33E-10	5.26E-12	3.01E-11	3.59E-12	3.89E-11	4.78E-12	1.58E-11	1.09E-12	2.16E-11
2110	470984.71	3818192.59	5.51E-11	2.31E-10	2.08E-11	3.07E-10	4.59E-11	1.70E-10	1.50E-11	2.31E-10	5.20E-12	2.98E-11	3.55E-12	3.86E-11	4.73E-12	1.56E-11	1.08E-12	2.14E-11
2111	470993.49	3818196.36	5.46E-11	2.29E-10	2.06E-11	3.04E-10	4.54E-11	1.68E-10	1.48E-11	2.29E-10	5.15E-12	2.95E-11	3.52E-12	3.82E-11	4.68E-12	1.54E-11	1.06E-12	2.12E-11
2112	471002.26	3818200.13	5.41E-11	2.27E-10	2.04E-11	3.02E-10	4.50E-11	1.67E-10	1.47E-11	2.27E-10	5.10E-12	2.92E-11	3.49E-12	3.78E-11	4.64E-12	1.53E-11	1.05E-12	2.10E-11
2113	471011.04	3818203.9	5.35E-11	2.25E-10	2.02E-11	2.98E-10	4.46E-11	1.65E-10	1.45E-11	2.24E-10	5.05E-12	2.89E-11	3.45E-12	3.74E-11	4.59E-12	1.51E-11	1.04E-12	2.08E-11
2114	471019.82	3818207.66	5.29E-11	2.22E-10	2.00E-11	2.95E-10	4.41E-11	1.63E-10	1.44E-11	2.22E-10	5.00E-12	2.86E-11	3.41E-12	3.70E-11	4.54E-12	1.50E-11	1.03E-12	2.06E-11
2115	471028.6	3818211.43	5.24E-11	2.20E-10	1.98E-11	2.92E-10	4.36E-11	1.62E-10	1.42E-11	2.19E-10	4.95E-12	2.83E-11	3.38E-12	3.66E-11	4.50E-12	1.48E-11	1.02E-12	2.03E-11
2116	471037.38	3818215.2	5.18E-11	2.18E-10	1.96E-11	2.89E-10	4.32E-11	1.60E-10	1.41E-11	2.17E-10	4.89E-12	2.80E-11	3.34E-12	3.62E-11	4.45E-12	1.47E-11	1.01E-12	2.01E-11
2117	471046.16	3818218.97	5.14E-11	2.16E-10	1.94E-11	2.87E-10	4.28E-11	1.59E-10	1.39E-11	2.15E-10	4.85E-12	2.78E-11	3.31E-12	3.59E-11	4.41E-12	1.45E-11	1.00E-12	2.00E-11
2118	471054.93	3818222.73	5.09E-11	2.14E-10	1.93E-11	2.84E-10	4.24E-11	1.57E-10	1.38E-11	2.13E-10	4.81E-12	2.75E-11	3.29E-12	3.56E-11	4.37E-12	1.44E-11	9.94E-13	1.98E-11
2119	471063.71	3818226.5	5.05E-11	2.12E-10	1.91E-11	2.81E-10	4.20E-11	1.56E-10	1.37E-11	2.11E-10	4.76E-12	2.73E-11	3.25E-12	3.53E-11	4.33E-12	1.43E-11	9.84E-13	1.96E-11
2120	471072.49	3818230.27	5.00E-11	2.10E-10	1.89E-11	2.79E-10	4.16E-11	1.54E-10	1.36E-11	2.09E-10	4.72E-12	2.70E-11	3.22E-12	3.49E-11	4.29E-12	1.41E-11	9.75E-13	1.94E-11
2121	471107.61	3818245.34	4.82E-11	2.02E-10	1.82E-11	2.69E-10	4.01E-11	1.49E-10	1.31E-11	2.02E-10	4.55E-12	2.60E-11	3.11E-12	3.37E-11	4.13E-12	1.36E-11	9.40E-13	1.87E-11
2122	471116.38	3818249.11	4.77E-11	2.00E-10	1.80E-11	2.66E-10	3.97E-11	1.47E-10	1.30E-11	2.00E-10	4.51E-12	2.58E-11	3.08E-12	3.34E-11	4.10E-12	1.35E-11	9.31E-13	1.85E-11
2123	471125.16	3818252.88	4.73E-11	1.99E-10	1.79E-11	2.64E-10	3.94E-11	1.46E-10	1.29E-11	1.98E-10	4.47E-12	2.56E-11	3.05E-12	3.31E-11	4.06E-12	1.34E-11	9.24E-13	1.84E-11
2124	471133.94	3818256.64	4.70E-11	1.97E-10	1.78E-11	2.62E-10	3.91E-11	1.45E-10	1.28E-11	1.97E-10	4.44E-12	2.54E-11	3.03E-12	3.29E-11	4.03E-12	1.33E-11	9.17E-13	1.82E-11
2125	471142.72	3818260.41	4.66E-11	1.96E-10	1.76E-11	2.60E-10	3.88E-11	1.44E-10	1.26E-11	1.95E-10	4.40E-12	2.52E-11	3.01E-12	3.26E-11	4.00E-12	1.32E-11	9.09E-13	1.81E-11
2126	471151.5	3818264.18	4.62E-11	1.94E-10	1.75E-11	2.58E-10	3.85E-11	1.43E-10	1.25E-11	1.94E-10	4.37E-12	2.50E-11	2.98E-12	3.23E-11	3.97E-12	1.31E-11	9.02E-13	1.80E-11
2127	471160.28	3818267.95	4.59E-11	1.93E-10	1.74E-11	2.56E-10	3.82E-11	1.42E-10	1.25E-11	1.92E-10	4.34E-12	2.48E-11	2.96E-12	3.21E-11	3.94E-12	1.30E-11	8.96E-13	1.78E-11
2128	471169.05	3818271.72	4.56E-11	1.92E-10	1.72E-11	2.54E-10	3.80E-11	1.41E-10	1.24E-11	1.91E-10	4.31E-12	2.47E-11	2.94E-12	3.19E-11	3.92E-12	1.29E-11	8.90E-13	1.77E-11
2129	471177.83	3818275.48	4.53E-11	1.90E-10	1.71E-11	2.53E-10	3.77E-11	1.40E-10	1.23E-11	1.90E-10	4.28E-12	2.45E-11	2.92E-12	3.17E-11	3.89E-12	1.28E-11	8.84E-13	1.76E-11
2130	471186.61	3818279.25	4.50E-11	1.89E-10	1.70E-11	2.51E-10	3.75E-11	1.39E-10	1.22E-11	1.89E-10	4.25E-12	2.44E-11	2.91E-12	3.15E-11	3.87E-12	1.28E-11	8.79E-13	1.75E-11
2131	471195.39	3818283.02	4.48E-11	1.88E-10	1.69E-11	2.50E-10	3.73E-11	1.38E-10	1.22E-11	1.88E-10	4.23E-12	2.42E-11	2.89E-12	3.13E-11	3.85E-12	1.27E-11	8.74E-13	1.74E-11
2132	471204.17	3818286.79	4.45E-11	1.87E-10	1.68E-11	2.48E-10	3.71E-11	1.37E-10	1.21E-11	1.87E-10	4.21E-12	2.41E-11	2.87E-12	3.12E-11	3.82E-12	1.26E-11	8.69E-13	1.73E-11
2133	471212.95	3818290.55	4.43E-11	1.86E-10	1.68E-11	2.47E-10	3.69E-11	1.37E-10	1.20E-11	1.86E-10	4.18E-12	2.39E-11	2.86E-12	3.10E-11	3.80E-12	1.25E-11	8.64E-13	1.72E-11
2134	471221.73	3818294.32	4.41E-11	1.85E-10	1.67E-11	2.46E-10	3.67E-11	1.36E-10	1.20E-11	1.85E-10	4.17E-12	2.38E-11	2.85E-12	3.09E-11	3.79E-12	1.25E-11	8.61E-13	1.71E-11
2135	471230.5	3818298.09	4.39E-11	1.84E-10	1.66E-11	2.45E-10	3.66E-11	1.36E-10	1.19E-11	1.84E-10	4.15E-12	2.37E-11	2.83E-12	3.07E-11	3.77E-12	1.24E-11	8.57E-13	1.71E-11
2136	471242.85	3818310.72	4.41E-11	1.85E-10	1.67E-11	2.46E-10	3.67E-11	1.36E-10	1.20E-11	1.85E-10	4.17E-12	2.38E-11	2.85E-12	3.09E-11	3.79E-12	1.25E-11	8.61E-13	1.71E-11
2137	471246.42	3818319.58	4.45E-11	1.87E-10	1.68E-11	2.48E-10	3.71E-11	1.37E-10	1.21E-11	1.86E-10	4.20E-12	2.40E-11	2.87E-12	3.11E-11	3.82E-12	1.26E-11	8.68E-13	1.73E-11
2138	471249.99	3818328.44	4.49E-11	1.88E-10	1.70E-11	2.50E-10	3.74E-11	1.38E-10	1.22E-11	1.88E-10	4.24E-12	2.43E-11	2.89E-12	3.14E-11	3.85E-12	1.27E-11	8.75E-13	1.74E-11
2139	471253.55	3818337.3	4.53E-11	1.90E-10	1.71E-11	2.53E-10	3.77E-11	1.40E-10	1.23E-11	1.90E-10	4.28E-12	2.45E-11	2.92E-12	3.17E-11	3.89E-12	1.28E-11	8.84E-13	1.76E-11
2140	471257.12	3818346.17	4.57E-11	1.92E-10	1.73E-11	2.55E-10	3.81E-11	1.41E-10	1.24E-11	1.92E-10	4.32E-12	2.47E-11	2.95E-12	3.20E-11	3.93E-12	1.29E-11	8.92E-13	1.78E-11
2141	471260.69	3818355.03	4.62E-11	1.94E-10	1.75E-11	2.57E-10	3.85E-11	1.42E-10	1.25E-11	1.93E-10	4.36E-12	2.50E-11	2.98E-12	3.23E-11	3.96E-12	1.31E-11	9.01E-13	1.79E-11
2142	471264.26	3818363.89	4.67E-11	1.96E-10	1.76E-11	2.60E-10	3.89E-11	1.44E-10	1.27E-11	1.96E-10	4.41E-12	2.52E-11	3.01E-12	3.26E-11	4.01E-12	1.32E-11	9.10E-13	1.81E-11
2143	471267.82	3818372.75	4.72E-11	1.98E-10	1.78E-11	2.63E-10	3.93E-11	1.46E-10	1.28E-11	1.98E-10	4.45E-12	2.55E-11	3.04E-12	3.30E-11	4.05E-12	1.33E-11	9.20E-13	1.83E-11
2144	471271.39	3818381.61	4.77E-11	2.00E-10	1.80E-11	2.66E-10	3.97E-11	1.47E-10	1.29E-11	2.00E-10	4.50E-12	2.58E-11	3.07E-12	3.33E-11	4.09E-12	1.35E-11	9.30E-13	1.85E-11
2145	471274.96	3818390.47	4.82E-11	2.02E-10	1.82E-11	2.69E-10	4.02E-11	1.49E-10	1.31E-11	2.02E-10	4.55E-12	2.61E-11	3.11E-12	3.37E-11	4.14E-12	1.36E-11	9.41E-13	1.87E-11
2146	471278.53	3818399.34	4.88E-11	2.05E-10	1.84E-11	2.72E-10	4.06E-11	1.51E-10	1.32E-11	2.04E-10	4.61E-12	2.64E-11	3.15E-12	3.41E-11	4.19E-12	1.38E-11	9.52E-13	1.89E-11

2147	471282.09	3818408.2	4.93E-11	2.07E-10	1.87E-11	2.75E-10	4.11E-11	1.52E-10	1.34E-11	2.07E-10	4.66E-12	2.67E-11	3.18E-12	3.45E-11	4.24E-12	1.40E-11	9.63E-13	1.92E-11
2148	471285.66	3818417.06	5.00E-11	2.10E-10	1.89E-11	2.79E-10	4.16E-11	1.54E-10	1.36E-11	2.09E-10	4.72E-12	2.70E-11	3.22E-12	3.49E-11	4.29E-12	1.41E-11	9.75E-13	1.94E-11
2149	471289.23	3818425.92	5.06E-11	2.12E-10	1.91E-11	2.82E-10	4.21E-11	1.56E-10	1.37E-11	2.12E-10	4.78E-12	2.73E-11	3.26E-12	3.54E-11	4.34E-12	1.43E-11	9.87E-13	1.96E-11
2150	471314.2	3818487.95	5.57E-11	2.34E-10	2.11E-11	3.11E-10	4.64E-11	1.72E-10	1.51E-11	2.33E-10	5.26E-12	3.01E-11	3.59E-12	3.89E-11	4.78E-12	1.58E-11	1.09E-12	2.16E-11
2151	471317.77	3818496.82	5.65E-11	2.37E-10	2.14E-11	3.15E-10	4.70E-11	1.74E-10	1.53E-11	2.37E-10	5.33E-12	3.05E-11	3.64E-12	3.95E-11	4.85E-12	1.60E-11	1.10E-12	2.19E-11
2152	471321.34	3818505.68	5.73E-11	2.41E-10	2.17E-11	3.20E-10	4.77E-11	1.77E-10	1.56E-11	2.40E-10	5.41E-12	3.10E-11	3.70E-12	4.01E-11	4.92E-12	1.62E-11	1.12E-12	2.23E-11
2153	471324.91	3818514.54	5.82E-11	2.44E-10	2.20E-11	3.24E-10	4.84E-11	1.79E-10	1.58E-11	2.44E-10	5.49E-12	3.14E-11	3.75E-12	4.07E-11	4.99E-12	1.65E-11	1.13E-12	2.26E-11
2154	471328.47	3818523.4	5.90E-11	2.48E-10	2.23E-11	3.29E-10	4.92E-11	1.82E-10	1.60E-11	2.47E-10	5.57E-12	3.19E-11	3.81E-12	4.13E-11	5.07E-12	1.67E-11	1.15E-12	2.29E-11
2155	471332.04	3818532.26	5.99E-11	2.52E-10	2.27E-11	3.34E-10	4.99E-11	1.85E-10	1.63E-11	2.51E-10	5.66E-12	3.24E-11	3.86E-12	4.19E-11	5.14E-12	1.70E-11	1.17E-12	2.33E-11
2156	471335.61	3818541.12	6.08E-11	2.55E-10	2.30E-11	3.39E-10	5.07E-11	1.88E-10	1.65E-11	2.55E-10	5.74E-12	3.29E-11	3.92E-12	4.26E-11	5.22E-12	1.72E-11	1.19E-12	2.36E-11
2157	471339.18	3818549.99	6.18E-11	2.59E-10	2.34E-11	3.44E-10	5.14E-11	1.91E-10	1.68E-11	2.59E-10	5.83E-12	3.34E-11	3.98E-12	4.32E-11	5.30E-12	1.75E-11	1.21E-12	2.40E-11
2158	471342.74	3818558.85	6.28E-11	2.64E-10	2.37E-11	3.50E-10	5.23E-11	1.94E-10	1.70E-11	2.63E-10	5.93E-12	3.39E-11	4.05E-12	4.39E-11	5.39E-12	1.78E-11	1.22E-12	2.44E-11
2159	471346.31	3818567.71	6.37E-11	2.68E-10	2.41E-11	3.56E-10	5.31E-11	1.97E-10	1.73E-11	2.67E-10	6.02E-12	3.45E-11	4.11E-12	4.46E-11	5.47E-12	1.80E-11	1.24E-12	2.48E-11
2160	471349.88	3818576.57	6.47E-11	2.72E-10	2.45E-11	3.61E-10	5.39E-11	2.00E-10	1.76E-11	2.71E-10	6.11E-12	3.50E-11	4.18E-12	4.53E-11	5.56E-12	1.83E-11	1.26E-12	2.51E-11
2161	471353.45	3818585.43	6.57E-11	2.76E-10	2.49E-11	3.67E-10	5.48E-11	2.03E-10	1.78E-11	2.75E-10	6.21E-12	3.55E-11	4.24E-12	4.60E-11	5.64E-12	1.86E-11	1.28E-12	2.55E-11
2162	471357.01	3818594.29	6.68E-11	2.81E-10	2.53E-11	3.73E-10	5.56E-11	2.06E-10	1.81E-11	2.80E-10	6.31E-12	3.61E-11	4.31E-12	4.67E-11	5.73E-12	1.89E-11	1.30E-12	2.59E-11
2163	471360.58	3818603.16	6.79E-11	2.85E-10	2.57E-11	3.79E-10	5.66E-11	2.10E-10	1.84E-11	2.85E-10	6.41E-12	3.67E-11	4.38E-12	4.75E-11	5.83E-12	1.92E-11	1.33E-12	2.64E-11
2164	471364.15	3818612.02	6.90E-11	2.90E-10	2.61E-11	3.85E-10	5.74E-11	2.13E-10	1.87E-11	2.89E-10	6.51E-12	3.73E-11	4.45E-12	4.82E-11	5.92E-12	1.95E-11	1.35E-12	2.68E-11
2165	471367.72	3818620.88	7.01E-11	2.94E-10	2.65E-11	3.91E-10	5.84E-11	2.16E-10	1.90E-11	2.94E-10	6.62E-12	3.79E-11	4.52E-12	4.90E-11	6.02E-12	1.98E-11	1.37E-12	2.72E-11
2166	471371.29	3818629.74	7.13E-11	2.99E-10	2.70E-11	3.97E-10	5.94E-11	2.20E-10	1.93E-11	2.99E-10	6.73E-12	3.85E-11	4.60E-12	4.99E-11	6.12E-12	2.02E-11	1.39E-12	2.77E-11
2167	471374.85	3818638.6	7.24E-11	3.04E-10	2.74E-11	4.04E-10	6.03E-11	2.24E-10	1.97E-11	3.04E-10	6.84E-12	3.92E-11	4.67E-12	5.07E-11	6.22E-12	2.05E-11	1.41E-12	2.81E-11
2168	471378.42	3818647.46	7.36E-11	3.09E-10	2.78E-11	4.11E-10	6.13E-11	2.27E-10	2.00E-11	3.09E-10	6.95E-12	3.98E-11	4.75E-12	5.15E-11	6.32E-12	2.08E-11	1.44E-12	2.86E-11
2169	471381.99	3818656.33	7.49E-11	3.14E-10	2.83E-11	4.18E-10	6.24E-11	2.31E-10	2.03E-11	3.14E-10	7.07E-12	4.05E-11	4.83E-12	5.24E-11	6.43E-12	2.12E-11	1.46E-12	2.91E-11
2170	471385.56	3818665.19	7.61E-11	3.20E-10	2.88E-11	4.25E-10	6.34E-11	2.35E-10	2.07E-11	3.19E-10	7.19E-12	4.11E-11	4.91E-12	5.32E-11	6.53E-12	2.15E-11	1.49E-12	2.96E-11
2171	471389.12	3818674.05	7.74E-11	3.25E-10	2.93E-11	4.32E-10	6.45E-11	2.39E-10	2.10E-11	3.24E-10	7.31E-12	4.19E-11	4.99E-12	5.42E-11	6.65E-12	2.19E-11	1.51E-12	3.01E-11
2172	471392.69	3818682.91	7.87E-11	3.31E-10	2.98E-11	4.39E-10	6.56E-11	2.43E-10	2.14E-11	3.30E-10	7.43E-12	4.26E-11	5.08E-12	5.51E-11	6.76E-12	2.23E-11	1.54E-12	3.06E-11
2173	471396.26	3818691.77	8.00E-11	3.36E-10	3.03E-11	4.46E-10	6.67E-11	2.47E-10	2.17E-11	3.35E-10	7.56E-12	4.33E-11	5.16E-12	5.60E-11	6.87E-12	2.27E-11	1.56E-12	3.11E-11
2174	471399.83	3818700.63	8.14E-11	3.42E-10	3.08E-11	4.54E-10	6.78E-11	2.51E-10	2.21E-11	3.41E-10	7.69E-12	4.40E-11	5.25E-12	5.69E-11	6.99E-12	2.30E-11	1.59E-12	3.16E-11
2175	471403.39	3818709.5	8.28E-11	3.48E-10	3.13E-11	4.62E-10	6.89E-11	2.55E-10	2.25E-11	3.47E-10	7.82E-12	4.47E-11	5.34E-12	5.79E-11	7.10E-12	2.34E-11	1.61E-12	3.21E-11
2176	471406.96	3818718.36	8.42E-11	3.54E-10	3.18E-11	4.70E-10	7.01E-11	2.60E-10	2.29E-11	3.53E-10	7.95E-12	4.55E-11	5.43E-12	5.89E-11	7.23E-12	2.38E-11	1.64E-12	3.27E-11
2177	471410.53	3818727.22	8.57E-11	3.60E-10	3.24E-11	4.78E-10	7.14E-11	2.64E-10	2.33E-11	3.59E-10	8.09E-12	4.63E-11	5.53E-12	5.99E-11	7.36E-12	2.43E-11	1.67E-12	3.33E-11
2178	471414.1	3818736.08	8.72E-11	3.66E-10	3.30E-11	4.86E-10	7.26E-11	2.69E-10	2.37E-11	3.65E-10	8.23E-12	4.71E-11	5.62E-12	6.10E-11	7.48E-12	2.47E-11	1.70E-12	3.39E-11
2179	471417.66	3818744.94	8.87E-11	3.72E-10	3.35E-11	4.95E-10	7.39E-11	2.74E-10	2.41E-11	3.72E-10	8.37E-12	4.79E-11	5.72E-12	6.20E-11	7.61E-12	2.51E-11	1.73E-12	3.44E-11
2180	471421.23	3818753.8	9.02E-11	3.79E-10	3.41E-11	5.03E-10	7.51E-11	2.78E-10	2.45E-11	3.78E-10	8.52E-12	4.88E-11	5.82E-12	6.31E-11	7.74E-12	2.55E-11	1.76E-12	3.50E-11
2181	471424.8	3818762.67	9.18E-11	3.86E-10	3.47E-11	5.12E-10	7.65E-11	2.83E-10	2.49E-11	3.85E-10	8.67E-12	4.96E-11	5.92E-12	6.42E-11	7.88E-12	2.60E-11	1.79E-12	3.57E-11
2182	471428.37	3818771.53	9.34E-11	3.92E-10	3.53E-11	5.21E-10	7.78E-11	2.88E-10	2.54E-11	3.92E-10	8.82E-12	5.05E-11	6.03E-12	6.54E-11	8.02E-12	2.65E-11	1.82E-12	3.63E-11
2183	471431.94	3818780.39	9.51E-11	3.99E-10	3.60E-11	5.30E-10	7.92E-11	2.93E-10	2.58E-11	3.98E-10	8.98E-12	5.14E-11	6.13E-12	6.65E-11	8.16E-12	2.69E-11	1.85E-12	3.69E-11
2184	471435.5	3818789.25	9.67E-11	4.06E-10	3.66E-11	5.40E-10	8.06E-11	2.99E-10	2.63E-11	4.05E-10	9.14E-12	5.23E-11	6.24E-12	6.77E-11	8.30E-12	2.74E-11	1.89E-12	3.76E-11
2185	471439.07	3818798.11	9.85E-11	4.14E-10	3.72E-11	5.49E-10	8.20E-11	3.04E-10	2.67E-11	4.13E-10	9.30E-12	5.32E-11	6.35E-12	6.89E-11	8.45E-12	2.79E-11	1.92E-12	3.83E-11
2186	471442.64	3818806.97	1.00E-10	4.21E-10	3.79E-11	5.59E-10	8.35E-11	3.09E-10	2.72E-11	4.20E-10	9.46E-12	5.42E-11	6.46E-12	7.01E-11	8.60E-12	2.84E-11	1.96E-12	3.89E-11
2187	471446.21	3818815.84	1.02E-10	4.28E-10	3.86E-11	5.69E-10	8.49E-11	3.15E-10	2.77E-11	4.27E-10	9.63E-12	5.51E-11	6.58E-12	7.13E-11	8.75E-12	2.89E-11	1.99E-12	3.96E-11
2188	471449.77	3818824.7	1.04E-10	4.36E-10	3.93E-11	5.79E-10	8.65E-11	3.20E-10	2.82E-11	4.35E-10	9.80E-12	5.61E-11	6.70E-12	7.26E-11	8.91E-12	2.94E-11	2.03E-12	4.03E-11
2189	471453.34	3818833.56	1.06E-10	4.44E-10	3.99E-11	5.89E-10	8.80E-11	3.26E-10	2.87E-11	4.43E-10	9.97E-12	5.71E-11	6.81E-12	7.39E-11	9.07E-12	2.99E-11	2.06E-12	4.10E-11
2190	471460.48	3818851.28	1.09E-10	4.59E-10	4.14E-11	6.10E-10	9.11E-11	3.38E-10	2.97E-11	4.58E-10	1.03E-11	5.91E-11	7.06E-12	7.65E-11	9.39E-12	3.10E-11	2.14E-12	4.25E-11
2191	471464.04	3818860.14	1.11E-10	4.68E-10	4.21E-11	6.21E-10	9.27E-11	3.44E-10	3.02E-11	4.67E-10	1.05E-11	6.02E-11	7.18E-12	7.79E-11	9.56E-12	3.15E-11	2.17E-12	4.32E-11
2192	471467.61	3818869.01	1.13E-10	4.76E-10	4.28E-11	6.32E-10	9.43E-11	3.50E-10	3.07E-11	4.75E-10	1.07E-11	6.12E-11	7.31E-12	7.92E-11	9.72E-12	3.21E-11	2.21E-12	4.40E-11
2193	471471.18	3818877.87	1.15E-10	4.84E-10	4.36E-11	6.43E-10	9.60E-11	3.56E-10	3.13E-11	4.83E-10	1.09E-11	6.23E-11	7.43E-12	8.06E-11	9.89E-12	3.26E-11	2.25E-12	4.48E-11
2194	471474.75	3818886.73	1.17E-10	4.92E-10	4.43E-11	6.54E-10	9.77E-11	3.62E-10	3.18E-11	4.91E-10	1.11E-11	6.34E-11	7.56E-12	8.20E-11	1.01E-11	3.32E-11	2.29E-12	4.55E-11
2195	471478.31	3818895.59	1.19E-10	5.01E-10	4.51E-11	6.65E-10	9.94E-11	3.68E-10	3.24E-11	5.00E-10	1.13E-11	6.45E-11	7.69E-12	8.35E-11	1.02E-11	3.38E-11	2.33E-12	4.63E-11
2196	471481.88	3818904.45	1.21E-10	5.10E-10	4.59E-11	6.77E-10	1.01E-10	3.74E-10	3.29E-11	5.08E-10	1.15E-11	6.56E-11	7.83E-12	8.49E-11	1.04E-11	3.43E-11	2.37E-12	4.71E-11

2197	471485.45	3818913.31	1.23E-10	5.18E-10	4.67E-11	6.88E-10	1.03E-10	3.81E-10	3.35E-11	5.17E-10	1.17E-11	6.67E-11	7.96E-12	8.63E-11	1.06E-11	3.49E-11	2.41E-12	4.79E-11
2198	471489.02	3818922.18	1.25E-10	5.27E-10	4.74E-11	7.00E-10	1.04E-10	3.87E-10	3.41E-11	5.26E-10	1.18E-11	6.78E-11	8.09E-12	8.78E-11	1.08E-11	3.55E-11	2.45E-12	4.87E-11
2199	471492.59	3818931.04	1.28E-10	5.36E-10	4.82E-11	7.11E-10	1.06E-10	3.94E-10	3.46E-11	5.34E-10	1.20E-11	6.90E-11	8.23E-12	8.92E-11	1.10E-11	3.61E-11	2.49E-12	4.95E-11
2200	471499.72	3818948.76	1.32E-10	5.53E-10	4.98E-11	7.35E-10	1.10E-10	4.07E-10	3.58E-11	5.52E-10	1.24E-11	7.12E-11	8.50E-12	9.22E-11	1.13E-11	3.73E-11	2.57E-12	5.12E-11
2201	471503.29	3818957.62	1.34E-10	5.62E-10	5.06E-11	7.47E-10	1.12E-10	4.13E-10	3.63E-11	5.61E-10	1.26E-11	7.24E-11	8.64E-12	9.37E-11	1.15E-11	3.79E-11	2.61E-12	5.20E-11
2202	471506.86	3818966.49	1.36E-10	5.71E-10	5.15E-11	7.59E-10	1.13E-10	4.20E-10	3.69E-11	5.70E-10	1.28E-11	7.36E-11	8.78E-12	9.52E-11	1.17E-11	3.85E-11	2.66E-12	5.29E-11
2203	471510.42	3818975.35	1.38E-10	5.80E-10	5.23E-11	7.71E-10	1.15E-10	4.26E-10	3.75E-11	5.79E-10	1.30E-11	7.47E-11	8.91E-12	9.67E-11	1.19E-11	3.91E-11	2.70E-12	5.37E-11
2204	471513.99	3818984.21	1.40E-10	5.89E-10	5.31E-11	7.83E-10	1.17E-10	4.33E-10	3.81E-11	5.88E-10	1.32E-11	7.58E-11	9.05E-12	9.81E-11	1.20E-11	3.97E-11	2.74E-12	5.45E-11
2205	471517.56	3818993.07	1.42E-10	5.98E-10	5.39E-11	7.94E-10	1.19E-10	4.39E-10	3.87E-11	5.97E-10	1.34E-11	7.70E-11	9.19E-12	9.96E-11	1.22E-11	4.03E-11	2.78E-12	5.53E-11
2206	471521.13	3819001.93	1.45E-10	6.07E-10	5.47E-11	8.06E-10	1.20E-10	4.46E-10	3.92E-11	6.06E-10	1.37E-11	7.82E-11	9.33E-12	1.01E-10	1.24E-11	4.09E-11	2.82E-12	5.62E-11
2207	471524.69	3819010.79	1.47E-10	6.16E-10	5.55E-11	8.18E-10	1.22E-10	4.53E-10	3.98E-11	6.15E-10	1.39E-11	7.93E-11	9.46E-12	1.03E-10	1.26E-11	4.15E-11	2.86E-12	5.70E-11
2208	471528.26	3819019.66	1.49E-10	6.25E-10	5.63E-11	8.30E-10	1.24E-10	4.59E-10	4.04E-11	6.24E-10	1.41E-11	8.04E-11	9.60E-12	1.04E-10	1.28E-11	4.21E-11	2.90E-12	5.78E-11
2209	471531.83	3819028.52	1.51E-10	6.34E-10	5.71E-11	8.41E-10	1.26E-10	4.66E-10	4.10E-11	6.32E-10	1.42E-11	8.16E-11	9.73E-12	1.06E-10	1.30E-11	4.27E-11	2.94E-12	5.86E-11
2210	471542.53	3819055.1	1.57E-10	6.59E-10	5.94E-11	8.75E-10	1.31E-10	4.84E-10	4.26E-11	6.58E-10	1.48E-11	8.48E-11	1.01E-11	1.10E-10	1.35E-11	4.44E-11	3.06E-12	6.10E-11
2211	471546.1	3819063.96	1.59E-10	6.68E-10	6.01E-11	8.87E-10	1.32E-10	4.91E-10	4.32E-11	6.66E-10	1.50E-11	8.60E-11	1.03E-11	1.11E-10	1.36E-11	4.50E-11	3.10E-12	6.18E-11
2212	471549.67	3819072.83	1.61E-10	6.76E-10	6.09E-11	8.98E-10	1.34E-10	4.97E-10	4.37E-11	6.74E-10	1.52E-11	8.70E-11	1.04E-11	1.13E-10	1.38E-11	4.56E-11	3.14E-12	6.25E-11
2213	471553.24	3819081.69	1.63E-10	6.84E-10	6.16E-11	9.09E-10	1.36E-10	5.03E-10	4.42E-11	6.83E-10	1.54E-11	8.81E-11	1.05E-11	1.14E-10	1.40E-11	4.61E-11	3.18E-12	6.33E-11
2214	471556.8	3819090.55	1.65E-10	6.92E-10	6.23E-11	9.19E-10	1.37E-10	5.09E-10	4.47E-11	6.91E-10	1.56E-11	8.91E-11	1.06E-11	1.15E-10	1.42E-11	4.67E-11	3.22E-12	6.40E-11
2215	471560.37	3819099.41	1.67E-10	7.00E-10	6.30E-11	9.30E-10	1.39E-10	5.14E-10	4.53E-11	6.99E-10	1.57E-11	9.01E-11	1.08E-11	1.17E-10	1.43E-11	4.72E-11	3.25E-12	6.48E-11
2216	471563.94	3819108.27	1.69E-10	7.08E-10	6.37E-11	9.40E-10	1.40E-10	5.20E-10	4.57E-11	7.06E-10	1.59E-11	9.11E-11	1.09E-11	1.18E-10	1.45E-11	4.77E-11	3.29E-12	6.55E-11
2217	471567.51	3819117.13	1.70E-10	7.15E-10	6.44E-11	9.50E-10	1.42E-10	5.25E-10	4.62E-11	7.13E-10	1.61E-11	9.20E-11	1.10E-11	1.19E-10	1.46E-11	4.82E-11	3.32E-12	6.61E-11
2218	471571.07	3819126	1.72E-10	7.22E-10	6.50E-11	9.59E-10	1.43E-10	5.31E-10	4.67E-11	7.21E-10	1.62E-11	9.30E-11	1.11E-11	1.20E-10	1.48E-11	4.87E-11	3.36E-12	6.68E-11
2219	471574.64	3819134.86	1.74E-10	7.29E-10	6.57E-11	9.69E-10	1.45E-10	5.36E-10	4.71E-11	7.28E-10	1.64E-11	9.39E-11	1.12E-11	1.21E-10	1.49E-11	4.92E-11	3.39E-12	6.75E-11
2220	471581.78	3819152.58	1.77E-10	7.43E-10	6.69E-11	9.86E-10	1.47E-10	5.46E-10	4.80E-11	7.41E-10	1.67E-11	9.56E-11	1.14E-11	1.24E-10	1.52E-11	5.01E-11	3.45E-12	6.87E-11
2221	471585.34	3819161.44	1.78E-10	7.49E-10	6.75E-11	9.95E-10	1.49E-10	5.50E-10	4.84E-11	7.47E-10	1.68E-11	9.64E-11	1.15E-11	1.25E-10	1.53E-11	5.05E-11	3.48E-12	6.93E-11
2222	471588.91	3819170.3	1.80E-10	7.55E-10	6.80E-11	1.00E-09	1.50E-10	5.55E-10	4.88E-11	7.53E-10	1.70E-11	9.72E-11	1.16E-11	1.26E-10	1.54E-11	5.09E-11	3.51E-12	6.98E-11
2223	471592.48	3819179.17	1.81E-10	7.61E-10	6.85E-11	1.01E-09	1.51E-10	5.59E-10	4.92E-11	7.59E-10	1.71E-11	9.80E-11	1.17E-11	1.27E-10	1.56E-11	5.13E-11	3.54E-12	7.04E-11
2224	471596.05	3819188.03	1.83E-10	7.67E-10	6.90E-11	1.02E-09	1.52E-10	5.63E-10	4.96E-11	7.65E-10	1.72E-11	9.87E-11	1.18E-11	1.28E-10	1.57E-11	5.17E-11	3.56E-12	7.09E-11
2225	471599.61	3819196.89	1.84E-10	7.72E-10	6.95E-11	1.03E-09	1.53E-10	5.67E-10	4.99E-11	7.70E-10	1.74E-11	9.94E-11	1.19E-11	1.29E-10	1.58E-11	5.20E-11	3.59E-12	7.14E-11
2226	471603.18	3819205.75	1.85E-10	7.77E-10	7.00E-11	1.03E-09	1.54E-10	5.71E-10	5.02E-11	7.75E-10	1.75E-11	1.00E-10	1.19E-11	1.29E-10	1.59E-11	5.24E-11	3.61E-12	7.18E-11
2227	471606.75	3819214.61	1.86E-10	7.82E-10	7.04E-11	1.04E-09	1.55E-10	5.74E-10	5.05E-11	7.80E-10	1.76E-11	1.01E-10	1.20E-11	1.30E-10	1.60E-11	5.27E-11	3.63E-12	7.23E-11
2228	471610.32	3819223.47	1.87E-10	7.86E-10	7.08E-11	1.04E-09	1.56E-10	5.78E-10	5.08E-11	7.84E-10	1.77E-11	1.01E-10	1.21E-11	1.31E-10	1.61E-11	5.30E-11	3.65E-12	7.27E-11
2229	470146.99	3817896.54	1.27E-10	5.31E-10	4.78E-11	7.06E-10	1.05E-10	3.90E-10	3.43E-11	5.30E-10	1.19E-11	6.84E-11	8.16E-12	8.85E-11	1.09E-11	3.58E-11	2.47E-12	4.91E-11
2230	470137.43	3817896.41	1.27E-10	5.33E-10	4.80E-11	7.08E-10	1.06E-10	3.92E-10	3.44E-11	5.32E-10	1.20E-11	6.86E-11	8.18E-12	8.88E-11	1.09E-11	3.59E-11	2.48E-12	4.93E-11
2231	470127.87	3817896.27	1.27E-10	5.34E-10	4.81E-11	7.09E-10	1.06E-10	3.92E-10	3.45E-11	5.32E-10	1.20E-11	6.87E-11	8.20E-12	8.89E-11	1.09E-11	3.60E-11	2.48E-12	4.94E-11
2232	470309.85	3817822.46	9.61E-11	4.04E-10	3.64E-11	5.36E-10	8.01E-11	2.97E-10	2.61E-11	4.03E-10	9.08E-12	5.20E-11	6.20E-12	6.72E-11	8.25E-12	2.72E-11	1.88E-12	3.73E-11
2233	470318.58	3817826.21	9.53E-11	4.00E-10	3.60E-11	5.32E-10	7.94E-11	2.94E-10	2.59E-11	3.99E-10	9.00E-12	5.15E-11	6.15E-12	6.67E-11	8.18E-12	2.70E-11	1.86E-12	3.70E-11
2234	470327.31	3817829.95	9.46E-11	3.97E-10	3.58E-11	5.27E-10	7.88E-11	2.92E-10	2.57E-11	3.96E-10	8.93E-12	5.11E-11	6.10E-12	6.62E-11	8.12E-12	2.68E-11	1.85E-12	3.67E-11
2235	470336.04	3817833.7	9.38E-11	3.94E-10	3.55E-11	5.23E-10	7.81E-11	2.90E-10	2.55E-11	3.93E-10	8.86E-12	5.07E-11	6.05E-12	6.56E-11	8.05E-12	2.66E-11	1.83E-12	3.64E-11
2236	470344.77	3817837.45	9.32E-11	3.91E-10	3.52E-11	5.20E-10	7.76E-11	2.88E-10	2.53E-11	3.91E-10	8.80E-12	5.04E-11	6.01E-12	6.52E-11	8.00E-12	2.64E-11	1.82E-12	3.62E-11
2237	470353.5	3817841.2	9.26E-11	3.89E-10	3.50E-11	5.16E-10	7.71E-11	2.86E-10	2.51E-11	3.88E-10	8.74E-12	5.00E-11	5.97E-12	6.48E-11	7.95E-12	2.62E-11	1.81E-12	3.60E-11
2238	470362.24	3817844.94	9.26E-11	3.89E-10	3.50E-11	5.16E-10	7.71E-11	2.86E-10	2.51E-11	3.88E-10	8.74E-12	5.00E-11	5.97E-12	6.48E-11	7.95E-12	2.62E-11	1.81E-12	3.60E-11
2239	470370.97	3817848.69	9.19E-11	3.86E-10	3.48E-11	5.13E-10	7.65E-11	2.84E-10	2.49E-11	3.85E-10	8.68E-12	4.97E-11	5.93E-12	6.43E-11	7.89E-12	2.60E-11	1.79E-12	3.57E-11
2240	470379.7	3817852.44	9.13E-11	3.83E-10	3.45E-11	5.09E-10	7.60E-11	2.82E-10	2.48E-11	3.82E-10	8.62E-12	4.93E-11	5.89E-12	6.38E-11	7.84E-12	2.58E-11	1.78E-12	3.55E-11
2241	470388.43	3817856.19	9.06E-11	3.80E-10	3.43E-11	5.05E-10	7.55E-11	2.80E-10	2.46E-11	3.80E-10	8.55E-12	4.90E-11	5.84E-12	6.34E-11	7.78E-12	2.56E-11	1.77E-12	3.52E-11
2242	470397.16	3817859.93	8.99E-11	3.78E-10	3.40E-11	5.01E-10	7.49E-11	2.77E-10	2.44E-11	3.77E-10	8.49E-12	4.86E-11	5.80E-12	6.29E-11	7.72E-12	2.54E-11	1.75E-12	3.49E-11
2243	470405.89	3817863.68	8.92E-11	3.74E-10	3.37E-11	4.97E-10	7.43E-11	2.75E-10	2.42E-11	3.74E-10	8.42E-12	4.82E-11	5.75E-12	6.24E-11	7.65E-12	2.52E-11	1.74E-12	3.46E-11
2244	470414.62	3817867.43	8.85E-11	3.72E-10	3.35E-11	4.93E-10	7.37E-11	2.73E-10	2.40E-11	3.71E-10	8.36E-12	4.78E-11	5.71E-12	6.19E-11	7.60E-12	2.50E-11	1.73E-12	3.44E-11
2245	470423.35	3817871.18	8.78E-11	3.69E-10	3.32E-11	4.90E-10	7.31E-11	2.71E-10	2.38E-11	3.68E-10	8.29E-12	4.75E-11	5.66E-12	6.14E-11	7.54E-12	2.49E-11	1.71E-12	3.41E-11
2246	470432.09	3817874.93	8.71E-11	3.66E-10	3.29E-11	4.86E-10	7.26E-11	2.69E-10	2.36E-11	3.65E-10	8.23E-12	4.71E-11	5.62E-12	6.09E-11	7.48E-12	2.47E-11	1.70E-12	3.38E-11

2247	470440.82	3817878.67	8.64E-11	3.63E-10	3.27E-11	4.82E-10	7.19E-11	2.67E-10	2.34E-11	3.62E-10	8.16E-12	4.67E-11	5.57E-12	6.04E-11	7.41E-12	2.44E-11	1.69E-12	3.35E-11
2248	470449.55	3817882.42	8.56E-11	3.59E-10	3.24E-11	4.77E-10	7.13E-11	2.64E-10	2.32E-11	3.59E-10	8.08E-12	4.63E-11	5.52E-12	5.99E-11	7.34E-12	2.42E-11	1.67E-12	3.32E-11
2249	470458.28	3817886.17	8.47E-11	3.56E-10	3.21E-11	4.73E-10	7.06E-11	2.62E-10	2.30E-11	3.55E-10	8.00E-12	4.58E-11	5.47E-12	5.93E-11	7.28E-12	2.40E-11	1.65E-12	3.29E-11
2250	470467.01	3817889.92	8.40E-11	3.53E-10	3.18E-11	4.69E-10	7.00E-11	2.59E-10	2.28E-11	3.52E-10	7.93E-12	4.54E-11	5.42E-12	5.88E-11	7.21E-12	2.38E-11	1.64E-12	3.26E-11
2251	470475.74	3817893.66	8.33E-11	3.50E-10	3.15E-11	4.64E-10	6.93E-11	2.57E-10	2.26E-11	3.49E-10	7.86E-12	4.50E-11	5.37E-12	5.82E-11	7.15E-12	2.36E-11	1.62E-12	3.23E-11
2252	470484.47	3817897.41	8.26E-11	3.47E-10	3.12E-11	4.61E-10	6.88E-11	2.55E-10	2.24E-11	3.46E-10	7.80E-12	4.46E-11	5.33E-12	5.78E-11	7.09E-12	2.34E-11	1.61E-12	3.21E-11
2253	470493.21	3817901.16	8.18E-11	3.44E-10	3.09E-11	4.56E-10	6.82E-11	2.53E-10	2.22E-11	3.43E-10	7.73E-12	4.42E-11	5.28E-12	5.72E-11	7.02E-12	2.32E-11	1.60E-12	3.18E-11
2254	470501.94	3817904.91	8.11E-11	3.41E-10	3.07E-11	4.53E-10	6.76E-11	2.50E-10	2.20E-11	3.40E-10	7.66E-12	4.39E-11	5.23E-12	5.68E-11	6.97E-12	2.30E-11	1.58E-12	3.15E-11
2255	470510.67	3817908.65	8.05E-11	3.38E-10	3.04E-11	4.49E-10	6.70E-11	2.48E-10	2.18E-11	3.37E-10	7.60E-12	4.35E-11	5.19E-12	5.63E-11	6.91E-12	2.28E-11	1.57E-12	3.13E-11
2256	470519.4	3817912.4	7.98E-11	3.35E-10	3.02E-11	4.45E-10	6.65E-11	2.46E-10	2.17E-11	3.34E-10	7.53E-12	4.31E-11	5.15E-12	5.58E-11	6.85E-12	2.26E-11	1.56E-12	3.10E-11
2257	470528.13	3817916.15	7.91E-11	3.32E-10	2.99E-11	4.41E-10	6.59E-11	2.44E-10	2.15E-11	3.31E-10	7.47E-12	4.28E-11	5.10E-12	5.53E-11	6.79E-12	2.24E-11	1.54E-12	3.07E-11
2258	470536.86	3817919.9	7.83E-11	3.29E-10	2.96E-11	4.37E-10	6.53E-11	2.42E-10	2.13E-11	3.28E-10	7.40E-12	4.24E-11	5.05E-12	5.48E-11	6.73E-12	2.22E-11	1.53E-12	3.04E-11
2259	470545.59	3817923.64	7.77E-11	3.26E-10	2.94E-11	4.33E-10	6.47E-11	2.40E-10	2.11E-11	3.25E-10	7.33E-12	4.20E-11	5.01E-12	5.43E-11	6.67E-12	2.20E-11	1.52E-12	3.02E-11
2260	470554.32	3817927.39	7.70E-11	3.24E-10	2.91E-11	4.30E-10	6.42E-11	2.38E-10	2.09E-11	3.23E-10	7.28E-12	4.17E-11	4.97E-12	5.39E-11	6.61E-12	2.18E-11	1.50E-12	2.99E-11
2261	470563.06	3817931.14	7.64E-11	3.21E-10	2.89E-11	4.26E-10	6.37E-11	2.36E-10	2.07E-11	3.20E-10	7.22E-12	4.13E-11	4.93E-12	5.35E-11	6.56E-12	2.16E-11	1.49E-12	2.97E-11
2262	470571.79	3817934.89	7.58E-11	3.18E-10	2.87E-11	4.23E-10	6.31E-11	2.34E-10	2.06E-11	3.18E-10	7.16E-12	4.10E-11	4.89E-12	5.30E-11	6.51E-12	2.15E-11	1.48E-12	2.94E-11
2263	470580.52	3817938.63	7.52E-11	3.16E-10	2.85E-11	4.20E-10	6.27E-11	2.32E-10	2.04E-11	3.15E-10	7.11E-12	4.07E-11	4.85E-12	5.26E-11	6.46E-12	2.13E-11	1.47E-12	2.92E-11
2264	470589.25	3817942.38	7.46E-11	3.13E-10	2.82E-11	4.16E-10	6.22E-11	2.30E-10	2.03E-11	3.13E-10	7.05E-12	4.03E-11	4.81E-12	5.22E-11	6.41E-12	2.11E-11	1.46E-12	2.90E-11
2265	470597.98	3817946.13	7.40E-11	3.11E-10	2.80E-11	4.13E-10	6.16E-11	2.28E-10	2.01E-11	3.10E-10	6.99E-12	4.00E-11	4.77E-12	5.18E-11	6.35E-12	2.09E-11	1.44E-12	2.87E-11
2266	470606.71	3817949.88	7.34E-11	3.08E-10	2.78E-11	4.10E-10	6.12E-11	2.27E-10	1.99E-11	3.08E-10	6.94E-12	3.97E-11	4.74E-12	5.14E-11	6.30E-12	2.08E-11	1.43E-12	2.85E-11
2267	470615.44	3817953.62	7.29E-11	3.06E-10	2.76E-11	4.07E-10	6.07E-11	2.25E-10	1.98E-11	3.05E-10	6.88E-12	3.94E-11	4.70E-12	5.10E-11	6.26E-12	2.06E-11	1.42E-12	2.83E-11
2268	470624.18	3817957.37	7.23E-11	3.04E-10	2.74E-11	4.03E-10	6.02E-11	2.23E-10	1.96E-11	3.03E-10	6.83E-12	3.91E-11	4.66E-12	5.06E-11	6.21E-12	2.05E-11	1.41E-12	2.81E-11
2269	470632.91	3817961.12	7.18E-11	3.01E-10	2.71E-11	4.00E-10	5.98E-11	2.21E-10	1.95E-11	3.01E-10	6.78E-12	3.88E-11	4.63E-12	5.02E-11	6.16E-12	2.03E-11	1.40E-12	2.79E-11
2270	470641.64	3817964.87	7.13E-11	2.99E-10	2.70E-11	3.97E-10	5.94E-11	2.20E-10	1.93E-11	2.99E-10	6.73E-12	3.85E-11	4.60E-12	4.99E-11	6.12E-12	2.02E-11	1.39E-12	2.77E-11
2271	470650.37	3817968.61	7.08E-11	2.97E-10	2.68E-11	3.95E-10	5.89E-11	2.18E-10	1.92E-11	2.97E-10	6.68E-12	3.83E-11	4.56E-12	4.95E-11	6.08E-12	2.00E-11	1.38E-12	2.75E-11
2272	470659.1	3817972.36	7.03E-11	2.95E-10	2.66E-11	3.92E-10	5.85E-11	2.17E-10	1.91E-11	2.94E-10	6.64E-12	3.80E-11	4.53E-12	4.92E-11	6.03E-12	1.99E-11	1.37E-12	2.73E-11
2273	470667.83	3817976.11	6.97E-11	2.93E-10	2.64E-11	3.89E-10	5.81E-11	2.15E-10	1.89E-11	2.92E-10	6.58E-12	3.77E-11	4.50E-12	4.88E-11	5.98E-12	1.97E-11	1.36E-12	2.71E-11
2274	470676.56	3817979.86	6.92E-11	2.91E-10	2.62E-11	3.86E-10	5.77E-11	2.14E-10	1.88E-11	2.90E-10	6.54E-12	3.74E-11	4.46E-12	4.84E-11	5.94E-12	1.96E-11	1.35E-12	2.69E-11
2275	470685.29	3817983.6	6.87E-11	2.88E-10	2.60E-11	3.83E-10	5.72E-11	2.12E-10	1.86E-11	2.88E-10	6.48E-12	3.71E-11	4.43E-12	4.80E-11	5.89E-12	1.94E-11	1.34E-12	2.67E-11
2276	470694.03	3817987.35	6.82E-11	2.86E-10	2.58E-11	3.80E-10	5.68E-11	2.10E-10	1.85E-11	2.86E-10	6.44E-12	3.68E-11	4.40E-12	4.77E-11	5.85E-12	1.93E-11	1.33E-12	2.65E-11
2277	470702.76	3817991.1	6.77E-11	2.84E-10	2.56E-11	3.77E-10	5.64E-11	2.09E-10	1.84E-11	2.84E-10	6.39E-12	3.66E-11	4.36E-12	4.73E-11	5.81E-12	1.92E-11	1.32E-12	2.63E-11
2278	470711.49	3817994.85	6.72E-11	2.82E-10	2.54E-11	3.75E-10	5.60E-11	2.07E-10	1.82E-11	2.82E-10	6.35E-12	3.63E-11	4.34E-12	4.70E-11	5.77E-12	1.90E-11	1.31E-12	2.61E-11
2279	470720.22	3817998.6	6.67E-11	2.80E-10	2.52E-11	3.72E-10	5.55E-11	2.06E-10	1.81E-11	2.79E-10	6.30E-12	3.60E-11	4.30E-12	4.66E-11	5.72E-12	1.89E-11	1.30E-12	2.59E-11
2280	470728.95	3818002.34	6.62E-11	2.78E-10	2.50E-11	3.69E-10	5.51E-11	2.04E-10	1.80E-11	2.77E-10	6.25E-12	3.58E-11	4.27E-12	4.63E-11	5.68E-12	1.87E-11	1.29E-12	2.57E-11
2281	470737.68	3818006.09	6.57E-11	2.76E-10	2.48E-11	3.66E-10	5.47E-11	2.03E-10	1.78E-11	2.75E-10	6.20E-12	3.55E-11	4.24E-12	4.59E-11	5.64E-12	1.86E-11	1.28E-12	2.55E-11
2282	470746.41	3818009.84	6.52E-11	2.74E-10	2.46E-11	3.64E-10	5.43E-11	2.01E-10	1.77E-11	2.73E-10	6.15E-12	3.52E-11	4.20E-12	4.56E-11	5.60E-12	1.84E-11	1.27E-12	2.53E-11
2283	470755.15	3818013.59	6.47E-11	2.72E-10	2.45E-11	3.61E-10	5.39E-11	2.00E-10	1.76E-11	2.71E-10	6.11E-12	3.50E-11	4.17E-12	4.52E-11	5.55E-12	1.83E-11	1.26E-12	2.51E-11
2284	470763.88	3818017.33	6.42E-11	2.70E-10	2.43E-11	3.58E-10	5.35E-11	1.98E-10	1.74E-11	2.69E-10	6.06E-12	3.47E-11	4.14E-12	4.49E-11	5.51E-12	1.82E-11	1.25E-12	2.49E-11
2285	470772.61	3818021.08	6.37E-11	2.67E-10	2.41E-11	3.55E-10	5.30E-11	1.97E-10	1.73E-11	2.67E-10	6.01E-12	3.44E-11	4.11E-12	4.46E-11	5.47E-12	1.80E-11	1.24E-12	2.47E-11
2286	470781.34	3818024.83	6.32E-11	2.65E-10	2.39E-11	3.52E-10	5.26E-11	1.95E-10	1.72E-11	2.65E-10	5.97E-12	3.42E-11	4.08E-12	4.42E-11	5.42E-12	1.79E-11	1.23E-12	2.45E-11
2287	470790.07	3818028.58	6.28E-11	2.64E-10	2.37E-11	3.50E-10	5.23E-11	1.94E-10	1.70E-11	2.63E-10	5.93E-12	3.39E-11	4.05E-12	4.39E-11	5.39E-12	1.78E-11	1.22E-12	2.44E-11
2288	470798.8	3818032.32	6.23E-11	2.62E-10	2.36E-11	3.48E-10	5.19E-11	1.92E-10	1.69E-11	2.61E-10	5.88E-12	3.37E-11	4.02E-12	4.36E-11	5.35E-12	1.76E-11	1.22E-12	2.42E-11
2289	470807.53	3818036.07	6.19E-11	2.60E-10	2.34E-11	3.45E-10	5.15E-11	1.91E-10	1.68E-11	2.59E-10	5.84E-12	3.35E-11	3.99E-12	4.33E-11	5.31E-12	1.75E-11	1.21E-12	2.40E-11
2290	470816.26	3818039.82	6.14E-11	2.58E-10	2.32E-11	3.43E-10	5.12E-11	1.90E-10	1.67E-11	2.57E-10	5.80E-12	3.32E-11	3.96E-12	4.30E-11	5.28E-12	1.74E-11	1.20E-12	2.39E-11
2291	470825	3818043.57	6.10E-11	2.56E-10	2.31E-11	3.40E-10	5.08E-11	1.88E-10	1.66E-11	2.56E-10	5.76E-12	3.30E-11	3.94E-12	4.27E-11	5.24E-12	1.73E-11	1.19E-12	2.37E-11
2292	470833.73	3818047.31	6.06E-11	2.54E-10	2.29E-11	3.38E-10	5.05E-11	1.87E-10	1.64E-11	2.54E-10	5.72E-12	3.27E-11	3.91E-12	4.24E-11	5.20E-12	1.71E-11	1.18E-12	2.35E-11
2293	470842.46	3818051.06	6.01E-11	2.52E-10	2.27E-11	3.35E-10	5.00E-11	1.85E-10	1.63E-11	2.52E-10	5.67E-12	3.25E-11	3.88E-12	4.20E-11	5.16E-12	1.70E-11	1.17E-12	2.33E-11
2294	470851.19	3818054.81	5.96E-11	2.50E-10	2.25E-11	3.32E-10	4.96E-11	1.84E-10	1.62E-11	2.50E-10	5.63E-12	3.22E-11	3.84E-12	4.17E-11	5.12E-12	1.69E-11	1.16E-12	2.31E-11
2295	470859.92	3818058.56	5.91E-11	2.48E-10	2.23E-11	3.30E-10	4.92E-11	1.82E-10	1.60E-11	2.48E-10	5.58E-12	3.19E-11	3.81E-12	4.13E-11	5.07E-12	1.67E-11	1.15E-12	2.30E-11
2296	470868.65	3818062.3	5.87E-11	2.46E-10	2.22E-11	3.27E-10	4.89E-11	1.81E-10	1.59E-11	2.46E-10	5.54E-12	3.17E-11	3.78E-12	4.10E-11	5.04E-12	1.66E-11	1.14E-12	2.28E-11

2297	470877.38	3818066.05	5.82E-11	2.44E-10	2.20E-11	3.24E-10	4.84E-11	1.79E-10	1.58E-11	2.44E-10	5.49E-12	3.14E-11	3.75E-12	4.07E-11	4.99E-12	1.65E-11	1.13E-12	2.26E-11
2298	470886.12	3818069.8	5.77E-11	2.42E-10	2.18E-11	3.22E-10	4.80E-11	1.78E-10	1.57E-11	2.42E-10	5.44E-12	3.12E-11	3.72E-12	4.03E-11	4.95E-12	1.63E-11	1.13E-12	2.24E-11
2299	470894.85	3818073.55	5.72E-11	2.40E-10	2.16E-11	3.19E-10	4.77E-11	1.77E-10	1.55E-11	2.40E-10	5.40E-12	3.09E-11	3.69E-12	4.00E-11	4.91E-12	1.62E-11	1.12E-12	2.22E-11
2300	470903.58	3818077.29	5.67E-11	2.38E-10	2.15E-11	3.16E-10	4.73E-11	1.75E-10	1.54E-11	2.38E-10	5.36E-12	3.07E-11	3.66E-12	3.97E-11	4.87E-12	1.61E-11	1.11E-12	2.20E-11
2301	470912.31	3818081.04	5.62E-11	2.36E-10	2.13E-11	3.14E-10	4.68E-11	1.74E-10	1.53E-11	2.36E-10	5.31E-12	3.04E-11	3.63E-12	3.93E-11	4.83E-12	1.59E-11	1.10E-12	2.18E-11
2302	470921.04	3818084.79	5.57E-11	2.34E-10	2.11E-11	3.11E-10	4.64E-11	1.72E-10	1.51E-11	2.34E-10	5.26E-12	3.01E-11	3.59E-12	3.90E-11	4.78E-12	1.58E-11	1.09E-12	2.16E-11
2303	470929.77	3818088.54	5.53E-11	2.32E-10	2.09E-11	3.08E-10	4.61E-11	1.71E-10	1.50E-11	2.32E-10	5.22E-12	2.99E-11	3.57E-12	3.87E-11	4.75E-12	1.57E-11	1.08E-12	2.15E-11
2304	470938.5	3818092.28	5.48E-11	2.30E-10	2.07E-11	3.06E-10	4.56E-11	1.69E-10	1.49E-11	2.30E-10	5.17E-12	2.96E-11	3.53E-12	3.83E-11	4.70E-12	1.55E-11	1.07E-12	2.13E-11
2305	470947.24	3818096.03	5.43E-11	2.28E-10	2.05E-11	3.03E-10	4.52E-11	1.68E-10	1.47E-11	2.28E-10	5.13E-12	2.94E-11	3.50E-12	3.80E-11	4.66E-12	1.54E-11	1.06E-12	2.11E-11
2306	470955.97	3818099.78	5.37E-11	2.26E-10	2.03E-11	3.00E-10	4.48E-11	1.66E-10	1.46E-11	2.25E-10	5.08E-12	2.91E-11	3.47E-12	3.76E-11	4.61E-12	1.52E-11	1.05E-12	2.09E-11
2307	470964.7	3818103.53	5.32E-11	2.23E-10	2.01E-11	2.97E-10	4.43E-11	1.64E-10	1.44E-11	2.23E-10	5.02E-12	2.88E-11	3.43E-12	3.72E-11	4.57E-12	1.51E-11	1.04E-12	2.07E-11
2308	470973.43	3818107.27	5.26E-11	2.21E-10	1.99E-11	2.94E-10	4.38E-11	1.62E-10	1.43E-11	2.21E-10	4.97E-12	2.85E-11	3.39E-12	3.68E-11	4.52E-12	1.49E-11	1.03E-12	2.04E-11
2309	470982.16	3818111.02	5.21E-11	2.19E-10	1.97E-11	2.90E-10	4.34E-11	1.61E-10	1.41E-11	2.18E-10	4.92E-12	2.81E-11	3.36E-12	3.64E-11	4.47E-12	1.47E-11	1.02E-12	2.02E-11
2310	470990.89	3818114.77	5.14E-11	2.16E-10	1.95E-11	2.87E-10	4.29E-11	1.59E-10	1.40E-11	2.16E-10	4.86E-12	2.78E-11	3.32E-12	3.60E-11	4.42E-12	1.46E-11	1.00E-12	2.00E-11
2311	470999.62	3818118.52	5.09E-11	2.14E-10	1.92E-11	2.84E-10	4.24E-11	1.57E-10	1.38E-11	2.13E-10	4.81E-12	2.75E-11	3.28E-12	3.56E-11	4.37E-12	1.44E-11	9.93E-13	1.98E-11
2312	471008.35	3818122.26	5.03E-11	2.11E-10	1.90E-11	2.80E-10	4.19E-11	1.55E-10	1.36E-11	2.11E-10	4.75E-12	2.72E-11	3.24E-12	3.52E-11	4.32E-12	1.42E-11	9.81E-13	1.95E-11
2313	471017.09	3818126.01	4.98E-11	2.09E-10	1.88E-11	2.78E-10	4.15E-11	1.54E-10	1.35E-11	2.09E-10	4.71E-12	2.69E-11	3.21E-12	3.49E-11	4.28E-12	1.41E-11	9.72E-13	1.94E-11
2314	471025.82	3818129.76	4.94E-11	2.07E-10	1.87E-11	2.76E-10	4.11E-11	1.52E-10	1.34E-11	2.07E-10	4.66E-12	2.67E-11	3.19E-12	3.46E-11	4.24E-12	1.40E-11	9.64E-13	1.92E-11
2315	471034.55	3818133.51	4.90E-11	2.06E-10	1.85E-11	2.73E-10	4.08E-11	1.51E-10	1.33E-11	2.05E-10	4.62E-12	2.65E-11	3.16E-12	3.42E-11	4.20E-12	1.39E-11	9.55E-13	1.90E-11
2316	471043.28	3818137.26	4.86E-11	2.04E-10	1.84E-11	2.71E-10	4.05E-11	1.50E-10	1.32E-11	2.04E-10	4.59E-12	2.63E-11	3.13E-12	3.40E-11	4.17E-12	1.38E-11	9.48E-13	1.89E-11
2317	471052.01	3818141	4.81E-11	2.02E-10	1.82E-11	2.68E-10	4.01E-11	1.48E-10	1.31E-11	2.02E-10	4.54E-12	2.60E-11	3.10E-12	3.36E-11	4.13E-12	1.36E-11	9.38E-13	1.87E-11
2318	471060.74	3818144.75	4.76E-11	2.00E-10	1.80E-11	2.65E-10	3.96E-11	1.47E-10	1.29E-11	1.99E-10	4.49E-12	2.57E-11	3.07E-12	3.33E-11	4.09E-12	1.35E-11	9.29E-13	1.85E-11
2319	471069.47	3818148.5	4.71E-11	1.98E-10	1.78E-11	2.63E-10	3.92E-11	1.45E-10	1.28E-11	1.97E-10	4.45E-12	2.55E-11	3.04E-12	3.29E-11	4.04E-12	1.33E-11	9.19E-13	1.83E-11
2320	471078.21	3818152.25	4.67E-11	1.96E-10	1.76E-11	2.60E-10	3.89E-11	1.44E-10	1.27E-11	1.96E-10	4.41E-12	2.52E-11	3.01E-12	3.26E-11	4.01E-12	1.32E-11	9.10E-13	1.81E-11
2321	471086.94	3818155.99	4.62E-11	1.94E-10	1.75E-11	2.57E-10	3.85E-11	1.42E-10	1.25E-11	1.93E-10	4.36E-12	2.50E-11	2.98E-12	3.23E-11	3.96E-12	1.31E-11	9.01E-13	1.79E-11
2322	471095.67	3818159.74	4.57E-11	1.92E-10	1.73E-11	2.55E-10	3.81E-11	1.41E-10	1.24E-11	1.92E-10	4.32E-12	2.47E-11	2.95E-12	3.20E-11	3.93E-12	1.29E-11	8.92E-13	1.78E-11
2323	471104.4	3818163.49	4.53E-11	1.90E-10	1.71E-11	2.53E-10	3.77E-11	1.40E-10	1.23E-11	1.90E-10	4.28E-12	2.45E-11	2.92E-12	3.17E-11	3.89E-12	1.28E-11	8.84E-13	1.76E-11
2324	471139.32	3818178.48	4.36E-11	1.83E-10	1.65E-11	2.43E-10	3.63E-11	1.35E-10	1.18E-11	1.83E-10	4.12E-12	2.36E-11	2.81E-12	3.05E-11	3.74E-12	1.23E-11	8.51E-13	1.69E-11
2325	471148.06	3818182.23	4.32E-11	1.82E-10	1.64E-11	2.41E-10	3.60E-11	1.33E-10	1.17E-11	1.81E-10	4.08E-12	2.34E-11	2.79E-12	3.03E-11	3.71E-12	1.22E-11	8.44E-13	1.68E-11
2326	471156.79	3818185.97	4.29E-11	1.80E-10	1.62E-11	2.39E-10	3.57E-11	1.32E-10	1.16E-11	1.80E-10	4.05E-12	2.32E-11	2.77E-12	3.00E-11	3.68E-12	1.21E-11	8.37E-13	1.67E-11
2327	471165.52	3818189.72	4.25E-11	1.78E-10	1.61E-11	2.37E-10	3.54E-11	1.31E-10	1.15E-11	1.78E-10	4.01E-12	2.30E-11	2.74E-12	2.97E-11	3.65E-12	1.20E-11	8.29E-13	1.65E-11
2328	471174.25	3818193.47	4.21E-11	1.77E-10	1.59E-11	2.35E-10	3.51E-11	1.30E-10	1.14E-11	1.77E-10	3.98E-12	2.28E-11	2.72E-12	2.95E-11	3.62E-12	1.19E-11	8.22E-13	1.64E-11
2329	471182.98	3818197.22	4.18E-11	1.76E-10	1.58E-11	2.33E-10	3.48E-11	1.29E-10	1.14E-11	1.75E-10	3.95E-12	2.26E-11	2.70E-12	2.93E-11	3.59E-12	1.18E-11	8.16E-13	1.62E-11
2330	471191.71	3818200.96	4.15E-11	1.74E-10	1.57E-11	2.32E-10	3.46E-11	1.28E-10	1.13E-11	1.74E-10	3.92E-12	2.24E-11	2.68E-12	2.90E-11	3.56E-12	1.17E-11	8.10E-13	1.61E-11
2331	471200.44	3818204.71	4.12E-11	1.73E-10	1.56E-11	2.30E-10	3.43E-11	1.27E-10	1.12E-11	1.73E-10	3.89E-12	2.23E-11	2.66E-12	2.88E-11	3.54E-12	1.17E-11	8.04E-13	1.60E-11
2332	471209.18	3818208.46	4.09E-11	1.72E-10	1.55E-11	2.28E-10	3.41E-11	1.26E-10	1.11E-11	1.72E-10	3.87E-12	2.21E-11	2.64E-12	2.86E-11	3.52E-12	1.16E-11	7.99E-13	1.59E-11
2333	471217.91	3818212.21	4.06E-11	1.71E-10	1.54E-11	2.27E-10	3.38E-11	1.25E-10	1.10E-11	1.70E-10	3.84E-12	2.20E-11	2.62E-12	2.84E-11	3.49E-12	1.15E-11	7.93E-13	1.58E-11
2334	471226.64	3818215.95	4.04E-11	1.70E-10	1.53E-11	2.25E-10	3.36E-11	1.25E-10	1.10E-11	1.69E-10	3.81E-12	2.18E-11	2.61E-12	2.83E-11	3.47E-12	1.14E-11	7.88E-13	1.57E-11
2335	471235.37	3818219.7	4.01E-11	1.69E-10	1.52E-11	2.24E-10	3.34E-11	1.24E-10	1.09E-11	1.68E-10	3.79E-12	2.17E-11	2.59E-12	2.81E-11	3.45E-12	1.14E-11	7.83E-13	1.56E-11
2336	471244.1	3818223.45	4.00E-11	1.68E-10	1.51E-11	2.23E-10	3.33E-11	1.23E-10	1.08E-11	1.67E-10	3.77E-12	2.16E-11	2.58E-12	2.79E-11	3.43E-12	1.13E-11	7.80E-13	1.55E-11
2337	471252.83	3818227.2	3.97E-11	1.67E-10	1.50E-11	2.21E-10	3.31E-11	1.23E-10	1.08E-11	1.66E-10	3.75E-12	2.15E-11	2.56E-12	2.78E-11	3.41E-12	1.12E-11	7.75E-13	1.54E-11
2338	471261.56	3818230.94	3.95E-11	1.66E-10	1.49E-11	2.20E-10	3.29E-11	1.22E-10	1.07E-11	1.66E-10	3.73E-12	2.14E-11	2.55E-12	2.76E-11	3.39E-12	1.12E-11	7.71E-13	1.53E-11
2339	471270.29	3818234.69	3.93E-11	1.65E-10	1.49E-11	2.19E-10	3.28E-11	1.21E-10	1.07E-11	1.65E-10	3.71E-12	2.13E-11	2.54E-12	2.75E-11	3.38E-12	1.11E-11	7.67E-13	1.53E-11
2340	471279.03	3818238.44	3.91E-11	1.64E-10	1.48E-11	2.18E-10	3.26E-11	1.21E-10	1.06E-11	1.64E-10	3.70E-12	2.12E-11	2.52E-12	2.74E-11	3.36E-12	1.11E-11	7.64E-13	1.52E-11
2341	471287.76	3818242.19	3.90E-11	1.64E-10	1.48E-11	2.18E-10	3.25E-11	1.20E-10	1.06E-11	1.63E-10	3.68E-12	2.11E-11	2.52E-12	2.73E-11	3.35E-12	1.10E-11	7.61E-13	1.52E-11
2342	471300.04	3818254.75	3.91E-11	1.64E-10	1.48E-11	2.18E-10	3.26E-11	1.21E-10	1.06E-11	1.64E-10	3.70E-12	2.12E-11	2.52E-12	2.74E-11	3.36E-12	1.11E-11	7.64E-13	1.52E-11
2343	471303.59	3818263.56	3.95E-11	1.66E-10	1.49E-11	2.20E-10	3.29E-11	1.22E-10	1.07E-11	1.65E-10	3.73E-12	2.13E-11	2.54E-12	2.76E-11	3.39E-12	1.12E-11	7.70E-13	1.53E-11
2344	471307.13	3818272.38	3.98E-11	1.67E-10	1.50E-11	2.22E-10	3.31E-11	1.23E-10	1.08E-11	1.67E-10	3.76E-12	2.15E-11	2.56E-12	2.78E-11	3.41E-12	1.13E-11	7.76E-13	1.54E-11
2345	471310.68	3818281.19	4.01E-11	1.69E-10	1.52E-11	2.24E-10	3.34E-11	1.24E-10	1.09E-11	1.68E-10	3.79E-12	2.17E-11	2.59E-12	2.81E-11	3.45E-12	1.14E-11	7.83E-13	1.56E-11
2346	471314.23	3818290.01	4.04E-11	1.70E-10	1.53E-11	2.26E-10	3.37E-11	1.25E-10	1.10E-11	1.69E-10	3.82E-12	2.19E-11	2.61E-12	2.83E-11	3.47E-12	1.14E-11	7.89E-13	1.57E-11

2347	471317.78	3818298.82	4.08E-11	1.71E-10	1.54E-11	2.28E-10	3.40E-11	1.26E-10	1.11E-11	1.71E-10	3.85E-12	2.21E-11	2.63E-12	2.86E-11	3.50E-12	1.16E-11	7.97E-13	1.59E-11
2348	471321.33	3818307.63	4.13E-11	1.73E-10	1.56E-11	2.30E-10	3.44E-11	1.27E-10	1.12E-11	1.73E-10	3.90E-12	2.23E-11	2.66E-12	2.89E-11	3.54E-12	1.17E-11	8.05E-13	1.60E-11
2349	471324.88	3818316.45	4.16E-11	1.75E-10	1.57E-11	2.32E-10	3.47E-11	1.28E-10	1.13E-11	1.74E-10	3.93E-12	2.25E-11	2.69E-12	2.91E-11	3.57E-12	1.18E-11	8.12E-13	1.62E-11
2350	471328.43	3818325.26	4.21E-11	1.77E-10	1.59E-11	2.35E-10	3.50E-11	1.30E-10	1.14E-11	1.76E-10	3.97E-12	2.27E-11	2.71E-12	2.94E-11	3.61E-12	1.19E-11	8.21E-13	1.63E-11
2351	471331.97	3818334.08	4.25E-11	1.78E-10	1.61E-11	2.37E-10	3.54E-11	1.31E-10	1.15E-11	1.78E-10	4.01E-12	2.30E-11	2.74E-12	2.97E-11	3.65E-12	1.20E-11	8.29E-13	1.65E-11
2352	471335.52	3818342.89	4.30E-11	1.81E-10	1.63E-11	2.40E-10	3.58E-11	1.33E-10	1.17E-11	1.80E-10	4.06E-12	2.32E-11	2.77E-12	3.01E-11	3.69E-12	1.22E-11	8.39E-13	1.67E-11
2353	471339.07	3818351.7	4.34E-11	1.82E-10	1.64E-11	2.42E-10	3.62E-11	1.34E-10	1.18E-11	1.82E-10	4.10E-12	2.35E-11	2.80E-12	3.04E-11	3.73E-12	1.23E-11	8.47E-13	1.69E-11
2354	471342.62	3818360.52	4.39E-11	1.84E-10	1.66E-11	2.45E-10	3.66E-11	1.36E-10	1.19E-11	1.84E-10	4.15E-12	2.37E-11	2.83E-12	3.07E-11	3.77E-12	1.24E-11	8.57E-13	1.71E-11
2355	471346.17	3818369.33	4.45E-11	1.87E-10	1.68E-11	2.48E-10	3.71E-11	1.37E-10	1.21E-11	1.86E-10	4.20E-12	2.40E-11	2.87E-12	3.11E-11	3.82E-12	1.26E-11	8.68E-13	1.73E-11
2356	471349.72	3818378.15	4.50E-11	1.89E-10	1.70E-11	2.51E-10	3.75E-11	1.39E-10	1.22E-11	1.88E-10	4.25E-12	2.43E-11	2.90E-12	3.15E-11	3.86E-12	1.27E-11	8.78E-13	1.75E-11
2357	471353.26	3818386.96	4.55E-11	1.91E-10	1.72E-11	2.54E-10	3.79E-11	1.41E-10	1.24E-11	1.91E-10	4.30E-12	2.46E-11	2.94E-12	3.19E-11	3.91E-12	1.29E-11	8.89E-13	1.77E-11
2358	471356.81	3818395.77	4.62E-11	1.94E-10	1.75E-11	2.57E-10	3.85E-11	1.42E-10	1.25E-11	1.93E-10	4.36E-12	2.50E-11	2.98E-12	3.23E-11	3.96E-12	1.31E-11	9.01E-13	1.79E-11
2359	471360.36	3818404.59	4.67E-11	1.96E-10	1.77E-11	2.61E-10	3.89E-11	1.44E-10	1.27E-11	1.96E-10	4.41E-12	2.53E-11	3.01E-12	3.27E-11	4.01E-12	1.32E-11	9.12E-13	1.81E-11
2360	471363.91	3818413.4	4.73E-11	1.99E-10	1.79E-11	2.64E-10	3.94E-11	1.46E-10	1.29E-11	1.98E-10	4.47E-12	2.56E-11	3.05E-12	3.31E-11	4.06E-12	1.34E-11	9.24E-13	1.84E-11
2361	471367.46	3818422.22	4.80E-11	2.01E-10	1.81E-11	2.68E-10	4.00E-11	1.48E-10	1.30E-11	2.01E-10	4.53E-12	2.59E-11	3.09E-12	3.36E-11	4.12E-12	1.36E-11	9.36E-13	1.86E-11
2362	471378.1	3818448.66	5.00E-11	2.10E-10	1.89E-11	2.79E-10	4.16E-11	1.54E-10	1.36E-11	2.09E-10	4.72E-12	2.70E-11	3.22E-12	3.49E-11	4.29E-12	1.41E-11	9.75E-13	1.94E-11
2363	471381.65	3818457.47	5.06E-11	2.13E-10	1.92E-11	2.82E-10	4.22E-11	1.56E-10	1.37E-11	2.12E-10	4.78E-12	2.74E-11	3.27E-12	3.54E-11	4.35E-12	1.43E-11	9.88E-13	1.97E-11
2364	471385.2	3818466.29	5.14E-11	2.16E-10	1.94E-11	2.87E-10	4.28E-11	1.59E-10	1.39E-11	2.15E-10	4.85E-12	2.78E-11	3.31E-12	3.59E-11	4.41E-12	1.45E-11	1.00E-12	2.00E-11
2365	471388.75	3818475.1	5.21E-11	2.19E-10	1.97E-11	2.90E-10	4.34E-11	1.61E-10	1.41E-11	2.18E-10	4.92E-12	2.81E-11	3.36E-12	3.64E-11	4.47E-12	1.47E-11	1.02E-12	2.02E-11
2366	471392.3	3818483.92	5.28E-11	2.22E-10	2.00E-11	2.95E-10	4.40E-11	1.63E-10	1.43E-11	2.21E-10	4.99E-12	2.86E-11	3.41E-12	3.69E-11	4.53E-12	1.49E-11	1.03E-12	2.05E-11
2367	471395.85	3818492.73	5.36E-11	2.25E-10	2.03E-11	2.99E-10	4.47E-11	1.65E-10	1.46E-11	2.25E-10	5.06E-12	2.90E-11	3.46E-12	3.75E-11	4.60E-12	1.52E-11	1.05E-12	2.08E-11
2368	471399.4	3818501.54	5.44E-11	2.28E-10	2.06E-11	3.03E-10	4.53E-11	1.68E-10	1.48E-11	2.28E-10	5.13E-12	2.94E-11	3.51E-12	3.80E-11	4.67E-12	1.54E-11	1.06E-12	2.11E-11
2369	471402.94	3818510.36	5.52E-11	2.32E-10	2.09E-11	3.08E-10	4.60E-11	1.70E-10	1.50E-11	2.31E-10	5.21E-12	2.98E-11	3.56E-12	3.86E-11	4.74E-12	1.56E-11	1.08E-12	2.14E-11
2370	471406.49	3818519.17	5.60E-11	2.35E-10	2.12E-11	3.12E-10	4.66E-11	1.73E-10	1.52E-11	2.35E-10	5.29E-12	3.03E-11	3.61E-12	3.92E-11	4.81E-12	1.58E-11	1.09E-12	2.17E-11
2371	471410.04	3818527.99	5.68E-11	2.38E-10	2.15E-11	3.17E-10	4.73E-11	1.75E-10	1.54E-11	2.38E-10	5.36E-12	3.07E-11	3.66E-12	3.97E-11	4.88E-12	1.61E-11	1.11E-12	2.21E-11
2372	471413.59	3818536.8	5.77E-11	2.42E-10	2.18E-11	3.22E-10	4.80E-11	1.78E-10	1.57E-11	2.42E-10	5.44E-12	3.12E-11	3.72E-12	4.03E-11	4.95E-12	1.63E-11	1.13E-12	2.24E-11
2373	471417.14	3818545.62	5.85E-11	2.46E-10	2.21E-11	3.26E-10	4.88E-11	1.81E-10	1.59E-11	2.45E-10	5.53E-12	3.16E-11	3.78E-12	4.09E-11	5.02E-12	1.66E-11	1.14E-12	2.27E-11
2374	471420.69	3818554.43	5.94E-11	2.49E-10	2.25E-11	3.31E-10	4.95E-11	1.83E-10	1.61E-11	2.49E-10	5.61E-12	3.21E-11	3.83E-12	4.16E-11	5.10E-12	1.68E-11	1.16E-12	2.31E-11
2375	471424.23	3818563.24	6.03E-11	2.53E-10	2.28E-11	3.36E-10	5.02E-11	1.86E-10	1.64E-11	2.53E-10	5.69E-12	3.26E-11	3.89E-12	4.22E-11	5.17E-12	1.71E-11	1.18E-12	2.34E-11
2376	471427.78	3818572.06	6.12E-11	2.57E-10	2.31E-11	3.41E-10	5.10E-11	1.89E-10	1.66E-11	2.56E-10	5.78E-12	3.31E-11	3.95E-12	4.28E-11	5.25E-12	1.73E-11	1.19E-12	2.38E-11
2377	471431.33	3818580.87	6.21E-11	2.61E-10	2.35E-11	3.47E-10	5.18E-11	1.92E-10	1.69E-11	2.60E-10	5.87E-12	3.36E-11	4.01E-12	4.35E-11	5.33E-12	1.76E-11	1.21E-12	2.41E-11
2378	471434.88	3818589.69	6.31E-11	2.65E-10	2.39E-11	3.52E-10	5.26E-11	1.95E-10	1.71E-11	2.65E-10	5.96E-12	3.41E-11	4.07E-12	4.42E-11	5.42E-12	1.79E-11	1.23E-12	2.45E-11
2379	471438.43	3818598.5	6.41E-11	2.69E-10	2.42E-11	3.57E-10	5.34E-11	1.98E-10	1.74E-11	2.68E-10	6.05E-12	3.46E-11	4.13E-12	4.48E-11	5.50E-12	1.81E-11	1.25E-12	2.49E-11
2380	471441.98	3818607.31	6.51E-11	2.73E-10	2.46E-11	3.63E-10	5.42E-11	2.01E-10	1.77E-11	2.73E-10	6.14E-12	3.52E-11	4.20E-12	4.55E-11	5.58E-12	1.84E-11	1.27E-12	2.53E-11
2381	471445.53	3818616.13	6.61E-11	2.78E-10	2.50E-11	3.69E-10	5.51E-11	2.04E-10	1.79E-11	2.77E-10	6.24E-12	3.57E-11	4.26E-12	4.62E-11	5.68E-12	1.87E-11	1.29E-12	2.57E-11
2382	471449.07	3818624.94	6.71E-11	2.82E-10	2.54E-11	3.74E-10	5.59E-11	2.07E-10	1.82E-11	2.81E-10	6.34E-12	3.63E-11	4.33E-12	4.69E-11	5.76E-12	1.90E-11	1.31E-12	2.61E-11
2383	471452.62	3818633.76	6.82E-11	2.86E-10	2.58E-11	3.80E-10	5.68E-11	2.10E-10	1.85E-11	2.86E-10	6.44E-12	3.68E-11	4.40E-12	4.77E-11	5.85E-12	1.93E-11	1.33E-12	2.65E-11
2384	471456.17	3818642.57	6.93E-11	2.91E-10	2.62E-11	3.86E-10	5.77E-11	2.14E-10	1.88E-11	2.90E-10	6.54E-12	3.75E-11	4.47E-12	4.85E-11	5.95E-12	1.96E-11	1.35E-12	2.69E-11
2385	471459.72	3818651.38	7.03E-11	2.95E-10	2.66E-11	3.92E-10	5.86E-11	2.17E-10	1.91E-11	2.95E-10	6.64E-12	3.80E-11	4.54E-12	4.92E-11	6.04E-12	1.99E-11	1.37E-12	2.73E-11
2386	471463.27	3818660.2	7.15E-11	3.00E-10	2.70E-11	3.99E-10	5.95E-11	2.20E-10	1.94E-11	2.99E-10	6.75E-12	3.86E-11	4.61E-12	5.00E-11	6.13E-12	2.02E-11	1.39E-12	2.78E-11
2387	471466.82	3818669.01	7.26E-11	3.05E-10	2.75E-11	4.05E-10	6.05E-11	2.24E-10	1.97E-11	3.04E-10	6.86E-12	3.93E-11	4.68E-12	5.08E-11	6.24E-12	2.06E-11	1.42E-12	2.82E-11
2388	471470.37	3818677.83	7.38E-11	3.10E-10	2.79E-11	4.12E-10	6.15E-11	2.28E-10	2.00E-11	3.09E-10	6.97E-12	3.99E-11	4.76E-12	5.16E-11	6.34E-12	2.09E-11	1.44E-12	2.87E-11
2389	471473.91	3818686.64	7.50E-11	3.15E-10	2.84E-11	4.18E-10	6.25E-11	2.31E-10	2.04E-11	3.14E-10	7.08E-12	4.05E-11	4.84E-12	5.25E-11	6.44E-12	2.12E-11	1.46E-12	2.91E-11
2390	471477.46	3818695.46	7.62E-11	3.20E-10	2.88E-11	4.25E-10	6.34E-11	2.35E-10	2.07E-11	3.19E-10	7.19E-12	4.12E-11	4.91E-12	5.33E-11	6.54E-12	2.16E-11	1.49E-12	2.96E-11
2391	471481.01	3818704.27	7.74E-11	3.25E-10	2.93E-11	4.32E-10	6.45E-11	2.39E-10	2.10E-11	3.24E-10	7.31E-12	4.19E-11	4.99E-12	5.42E-11	6.65E-12	2.19E-11	1.51E-12	3.01E-11
2392	471484.56	3818713.08	7.87E-11	3.31E-10	2.98E-11	4.39E-10	6.56E-11	2.43E-10	2.14E-11	3.30E-10	7.43E-12	4.26E-11	5.08E-12	5.51E-11	6.76E-12	2.23E-11	1.54E-12	3.06E-11
2393	471488.11	3818721.9	8.00E-11	3.36E-10	3.03E-11	4.46E-10	6.67E-11	2.47E-10	2.17E-11	3.35E-10	7.56E-12	4.33E-11	5.16E-12	5.60E-11	6.87E-12	2.27E-11	1.56E-12	3.11E-11
2394	471491.66	3818730.71	8.13E-11	3.42E-10	3.08E-11	4.54E-10	6.77E-11	2.51E-10	2.21E-11	3.41E-10	7.68E-12	4.40E-11	5.25E-12	5.69E-11	6.98E-12	2.30E-11	1.59E-12	3.16E-11
2395	471495.2	3818739.53	8.27E-11	3.47E-10	3.13E-11	4.61E-10	6.89E-11	2.55E-10	2.24E-11	3.47E-10	7.81E-12	4.47E-11	5.33E-12	5.78E-11	7.10E-12	2.34E-11	1.61E-12	3.21E-11
2396	471498.75	3818748.34	8.41E-11	3.53E-10	3.18E-11	4.69E-10	7.00E-11	2.59E-10	2.28E-11	3.52E-10	7.94E-12	4.54E-11	5.42E-12	5.88E-11	7.22E-12	2.38E-11	1.64E-12	3.27E-11

2397	471502.3	3818757.15	8.54E-11	3.59E-10	3.23E-11	4.77E-10	7.12E-11	2.64E-10	2.32E-11	3.58E-10	8.07E-12	4.62E-11	5.51E-12	5.98E-11	7.33E-12	2.42E-11	1.67E-12	3.32E-11
2398	471505.85	3818765.97	8.69E-11	3.65E-10	3.29E-11	4.84E-10	7.24E-11	2.68E-10	2.36E-11	3.64E-10	8.20E-12	4.70E-11	5.60E-12	6.08E-11	7.46E-12	2.46E-11	1.69E-12	3.37E-11
2399	471509.4	3818774.78	8.84E-11	3.71E-10	3.34E-11	4.93E-10	7.36E-11	2.73E-10	2.40E-11	3.70E-10	8.34E-12	4.78E-11	5.70E-12	6.18E-11	7.58E-12	2.50E-11	1.72E-12	3.43E-11
2400	471512.95	3818783.6	8.98E-11	3.77E-10	3.40E-11	5.01E-10	7.48E-11	2.77E-10	2.44E-11	3.76E-10	8.48E-12	4.86E-11	5.80E-12	6.28E-11	7.71E-12	2.54E-11	1.75E-12	3.49E-11
2401	471516.5	3818792.41	9.13E-11	3.84E-10	3.45E-11	5.09E-10	7.61E-11	2.82E-10	2.48E-11	3.83E-10	8.62E-12	4.94E-11	5.89E-12	6.39E-11	7.84E-12	2.59E-11	1.78E-12	3.55E-11
2402	471520.04	3818801.22	9.29E-11	3.90E-10	3.51E-11	5.18E-10	7.74E-11	2.87E-10	2.52E-11	3.89E-10	8.77E-12	5.02E-11	5.99E-12	6.50E-11	7.97E-12	2.63E-11	1.81E-12	3.61E-11
2403	471523.59	3818810.04	9.44E-11	3.97E-10	3.57E-11	5.27E-10	7.87E-11	2.91E-10	2.56E-11	3.96E-10	8.92E-12	5.11E-11	6.09E-12	6.61E-11	8.11E-12	2.67E-11	1.84E-12	3.67E-11
2404	471527.14	3818818.85	9.61E-11	4.03E-10	3.63E-11	5.36E-10	8.00E-11	2.96E-10	2.61E-11	4.02E-10	9.07E-12	5.19E-11	6.20E-12	6.72E-11	8.25E-12	2.72E-11	1.87E-12	3.73E-11
2405	471530.69	3818827.67	9.77E-11	4.10E-10	3.69E-11	5.45E-10	8.14E-11	3.01E-10	2.65E-11	4.09E-10	9.22E-12	5.28E-11	6.30E-12	6.83E-11	8.38E-12	2.76E-11	1.91E-12	3.79E-11
2406	471541.34	3818854.11	1.03E-10	4.31E-10	3.88E-11	5.73E-10	8.55E-11	3.17E-10	2.79E-11	4.30E-10	9.69E-12	5.55E-11	6.62E-12	7.18E-11	8.81E-12	2.91E-11	2.00E-12	3.99E-11
2407	471544.88	3818862.92	1.04E-10	4.38E-10	3.95E-11	5.82E-10	8.69E-11	3.22E-10	2.83E-11	4.37E-10	9.85E-12	5.64E-11	6.73E-12	7.30E-11	8.96E-12	2.95E-11	2.04E-12	4.05E-11
2408	471548.43	3818871.74	1.06E-10	4.45E-10	4.01E-11	5.92E-10	8.83E-11	3.27E-10	2.88E-11	4.44E-10	1.00E-11	5.73E-11	6.84E-12	7.42E-11	9.10E-12	3.00E-11	2.07E-12	4.12E-11
2409	471551.98	3818880.55	1.08E-10	4.53E-10	4.08E-11	6.01E-10	8.98E-11	3.33E-10	2.93E-11	4.52E-10	1.02E-11	5.83E-11	6.95E-12	7.54E-11	9.25E-12	3.05E-11	2.10E-12	4.19E-11
2410	471555.53	3818889.37	1.10E-10	4.60E-10	4.14E-11	6.11E-10	9.12E-11	3.38E-10	2.97E-11	4.59E-10	1.03E-11	5.92E-11	7.07E-12	7.66E-11	9.40E-12	3.10E-11	2.14E-12	4.25E-11
2411	471559.08	3818898.18	1.11E-10	4.68E-10	4.21E-11	6.21E-10	9.27E-11	3.44E-10	3.02E-11	4.67E-10	1.05E-11	6.02E-11	7.18E-12	7.79E-11	9.56E-12	3.15E-11	2.17E-12	4.32E-11
2412	471562.63	3818906.99	1.13E-10	4.75E-10	4.28E-11	6.31E-10	9.42E-11	3.49E-10	3.07E-11	4.74E-10	1.07E-11	6.11E-11	7.29E-12	7.91E-11	9.71E-12	3.20E-11	2.21E-12	4.39E-11
2413	471566.17	3818915.81	1.15E-10	4.82E-10	4.34E-11	6.41E-10	9.57E-11	3.55E-10	3.12E-11	4.81E-10	1.08E-11	6.21E-11	7.41E-12	8.04E-11	9.86E-12	3.25E-11	2.24E-12	4.46E-11
2414	471569.72	3818924.62	1.17E-10	4.90E-10	4.41E-11	6.51E-10	9.72E-11	3.60E-10	3.17E-11	4.89E-10	1.10E-11	6.31E-11	7.53E-12	8.16E-11	1.00E-11	3.30E-11	2.28E-12	4.53E-11
2415	471573.27	3818933.44	1.19E-10	4.98E-10	4.48E-11	6.61E-10	9.87E-11	3.66E-10	3.22E-11	4.97E-10	1.12E-11	6.41E-11	7.65E-12	8.29E-11	1.02E-11	3.36E-11	2.31E-12	4.60E-11
2416	471580.37	3818951.06	1.22E-10	5.13E-10	4.62E-11	6.81E-10	1.02E-10	3.77E-10	3.32E-11	5.12E-10	1.15E-11	6.60E-11	7.88E-12	8.54E-11	1.05E-11	3.46E-11	2.38E-12	4.74E-11
2417	471583.92	3818959.88	1.24E-10	5.21E-10	4.69E-11	6.92E-10	1.03E-10	3.83E-10	3.37E-11	5.20E-10	1.17E-11	6.70E-11	8.00E-12	8.68E-11	1.06E-11	3.51E-11	2.42E-12	4.82E-11
2418	471587.47	3818968.69	1.26E-10	5.28E-10	4.76E-11	7.02E-10	1.05E-10	3.88E-10	3.42E-11	5.27E-10	1.19E-11	6.80E-11	8.12E-12	8.80E-11	1.08E-11	3.56E-11	2.46E-12	4.89E-11
2419	471591.01	3818977.51	1.28E-10	5.36E-10	4.83E-11	7.12E-10	1.06E-10	3.94E-10	3.47E-11	5.35E-10	1.21E-11	6.90E-11	8.24E-12	8.93E-11	1.10E-11	3.61E-11	2.49E-12	4.96E-11
2420	471594.56	3818986.32	1.29E-10	5.44E-10	4.90E-11	7.22E-10	1.08E-10	4.00E-10	3.52E-11	5.43E-10	1.22E-11	7.00E-11	8.35E-12	9.06E-11	1.11E-11	3.67E-11	2.53E-12	5.03E-11
2421	471598.11	3818995.14	1.31E-10	5.51E-10	4.97E-11	7.32E-10	1.09E-10	4.05E-10	3.56E-11	5.50E-10	1.24E-11	7.10E-11	8.47E-12	9.18E-11	1.13E-11	3.72E-11	2.56E-12	5.10E-11
2422	471601.66	3819003.95	1.33E-10	5.59E-10	5.03E-11	7.42E-10	1.11E-10	4.11E-10	3.61E-11	5.58E-10	1.26E-11	7.19E-11	8.58E-12	9.31E-11	1.14E-11	3.77E-11	2.60E-12	5.17E-11
2423	471605.21	3819012.76	1.35E-10	5.66E-10	5.10E-11	7.52E-10	1.12E-10	4.16E-10	3.66E-11	5.65E-10	1.27E-11	7.29E-11	8.70E-12	9.44E-11	1.16E-11	3.82E-11	2.63E-12	5.24E-11
2424	471608.76	3819021.58	1.37E-10	5.74E-10	5.17E-11	7.62E-10	1.14E-10	4.22E-10	3.71E-11	5.73E-10	1.29E-11	7.39E-11	8.82E-12	9.56E-11	1.17E-11	3.87E-11	2.67E-12	5.31E-11
2425	471612.31	3819030.39	1.38E-10	5.81E-10	5.24E-11	7.72E-10	1.15E-10	4.27E-10	3.76E-11	5.80E-10	1.31E-11	7.48E-11	8.93E-12	9.68E-11	1.19E-11	3.92E-11	2.70E-12	5.38E-11
2426	471622.95	3819056.83	1.44E-10	6.03E-10	5.43E-11	8.01E-10	1.20E-10	4.43E-10	3.90E-11	6.02E-10	1.36E-11	7.76E-11	9.26E-12	1.00E-10	1.23E-11	4.06E-11	2.80E-12	5.58E-11
2427	471626.5	3819065.65	1.45E-10	6.10E-10	5.49E-11	8.10E-10	1.21E-10	4.48E-10	3.94E-11	6.09E-10	1.37E-11	7.85E-11	9.37E-12	1.02E-10	1.25E-11	4.11E-11	2.83E-12	5.64E-11
2428	471630.05	3819074.46	1.47E-10	6.17E-10	5.55E-11	8.19E-10	1.22E-10	4.53E-10	3.99E-11	6.15E-10	1.39E-11	7.94E-11	9.47E-12	1.03E-10	1.26E-11	4.16E-11	2.87E-12	5.71E-11
2429	471633.6	3819083.28	1.49E-10	6.24E-10	5.62E-11	8.28E-10	1.24E-10	4.58E-10	4.03E-11	6.22E-10	1.40E-11	8.03E-11	9.58E-12	1.04E-10	1.27E-11	4.20E-11	2.90E-12	5.77E-11
2430	471637.14	3819092.09	1.50E-10	6.30E-10	5.67E-11	8.37E-10	1.25E-10	4.63E-10	4.07E-11	6.29E-10	1.42E-11	8.11E-11	9.68E-12	1.05E-10	1.29E-11	4.25E-11	2.93E-12	5.83E-11
2431	471640.69	3819100.91	1.52E-10	6.37E-10	5.73E-11	8.46E-10	1.26E-10	4.68E-10	4.12E-11	6.35E-10	1.43E-11	8.20E-11	9.78E-12	1.06E-10	1.30E-11	4.29E-11	2.96E-12	5.89E-11
2432	471644.24	3819109.72	1.53E-10	6.43E-10	5.79E-11	8.54E-10	1.28E-10	4.72E-10	4.16E-11	6.42E-10	1.45E-11	8.28E-11	9.87E-12	1.07E-10	1.31E-11	4.33E-11	2.99E-12	5.95E-11
2433	471647.79	3819118.53	1.55E-10	6.49E-10	5.85E-11	8.62E-10	1.29E-10	4.77E-10	4.20E-11	6.48E-10	1.46E-11	8.36E-11	9.97E-12	1.08E-10	1.33E-11	4.38E-11	3.02E-12	6.00E-11
2434	471651.34	3819127.35	1.56E-10	6.55E-10	5.90E-11	8.70E-10	1.30E-10	4.81E-10	4.24E-11	6.54E-10	1.47E-11	8.43E-11	1.01E-11	1.09E-10	1.34E-11	4.42E-11	3.04E-12	6.06E-11
2435	471654.89	3819136.16	1.57E-10	6.61E-10	5.95E-11	8.78E-10	1.31E-10	4.86E-10	4.27E-11	6.59E-10	1.49E-11	8.51E-11	1.02E-11	1.10E-10	1.35E-11	4.45E-11	3.07E-12	6.11E-11
2436	471661.98	3819153.79	1.60E-10	6.72E-10	6.05E-11	8.92E-10	1.33E-10	4.94E-10	4.34E-11	6.70E-10	1.51E-11	8.65E-11	1.03E-11	1.12E-10	1.37E-11	4.53E-11	3.12E-12	6.21E-11
2437	471665.53	3819162.6	1.61E-10	6.77E-10	6.10E-11	8.99E-10	1.34E-10	4.98E-10	4.38E-11	6.76E-10	1.52E-11	8.72E-11	1.04E-11	1.13E-10	1.38E-11	4.56E-11	3.15E-12	6.26E-11
2438	471669.08	3819171.42	1.62E-10	6.82E-10	6.14E-11	9.06E-10	1.35E-10	5.01E-10	4.41E-11	6.81E-10	1.53E-11	8.78E-11	1.05E-11	1.14E-10	1.39E-11	4.60E-11	3.17E-12	6.31E-11
2439	471672.63	3819180.23	1.64E-10	6.87E-10	6.19E-11	9.12E-10	1.36E-10	5.05E-10	4.44E-11	6.85E-10	1.54E-11	8.84E-11	1.06E-11	1.14E-10	1.40E-11	4.63E-11	3.19E-12	6.35E-11
2440	471676.18	3819189.05	1.65E-10	6.91E-10	6.23E-11	9.18E-10	1.37E-10	5.08E-10	4.47E-11	6.90E-10	1.55E-11	8.90E-11	1.06E-11	1.15E-10	1.41E-11	4.66E-11	3.21E-12	6.40E-11
2441	471679.73	3819197.86	1.66E-10	6.96E-10	6.27E-11	9.24E-10	1.38E-10	5.11E-10	4.50E-11	6.94E-10	1.56E-11	8.96E-11	1.07E-11	1.16E-10	1.42E-11	4.69E-11	3.23E-12	6.44E-11
2442	471683.28	3819206.67	1.67E-10	7.00E-10	6.30E-11	9.30E-10	1.39E-10	5.14E-10	4.53E-11	6.99E-10	1.57E-11	9.01E-11	1.08E-11	1.17E-10	1.43E-11	4.72E-11	3.25E-12	6.48E-11
2443	471686.82	3819215.49	1.68E-10	7.04E-10	6.34E-11	9.35E-10	1.40E-10	5.17E-10	4.55E-11	7.02E-10	1.58E-11	9.06E-11	1.08E-11	1.17E-10	1.44E-11	4.75E-11	3.27E-12	6.51E-11
2444	471690.37	3819224.3	1.69E-10	7.08E-10	6.37E-11	9.40E-10	1.40E-10	5.20E-10	4.57E-11	7.06E-10	1.59E-11	9.11E-11	1.09E-11	1.18E-10	1.45E-11	4.77E-11	3.29E-12	6.55E-11
2445	470301.12	3817818.71	9.69E-11	4.07E-10	3.67E-11	5.41E-10	8.07E-11	2.99E-10	2.63E-11	4.06E-10	9.15E-12	5.24E-11	6.25E-12	6.78E-11	8.32E-12	2.74E-11	1.89E-12	3.76E-11
2446	470291.55	3817818.58	9.83E-11	4.13E-10	3.72E-11	5.48E-10	8.19E-11	3.03E-10	2.67E-11	4.12E-10	9.28E-12	5.31E-11	6.34E-12	6.88E-11	8.44E-12	2.78E-11	1.92E-12	3.82E-11

2447	470281.99	3817818.44	9.97E-11	4.19E-10	3.77E-11	5.56E-10	8.30E-11	3.08E-10	2.71E-11	4.18E-10	9.41E-12	5.39E-11	6.43E-12	6.97E-11	8.56E-12	2.82E-11	1.94E-12	3.87E-11
2448	470272.43	3817818.31	1.01E-10	4.24E-10	3.82E-11	5.64E-10	8.42E-11	3.12E-10	2.74E-11	4.23E-10	9.54E-12	5.46E-11	6.52E-12	7.07E-11	8.67E-12	2.86E-11	1.97E-12	3.92E-11
2449	470262.87	3817818.17	1.02E-10	4.30E-10	3.87E-11	5.71E-10	8.53E-11	3.16E-10	2.78E-11	4.29E-10	9.67E-12	5.54E-11	6.60E-12	7.16E-11	8.79E-12	2.90E-11	2.00E-12	3.98E-11
2450	470253.3	3817818.04	1.04E-10	4.36E-10	3.92E-11	5.79E-10	8.64E-11	3.20E-10	2.82E-11	4.35E-10	9.80E-12	5.61E-11	6.69E-12	7.26E-11	8.91E-12	2.94E-11	2.02E-12	4.03E-11
2451	470243.74	3817817.9	1.05E-10	4.41E-10	3.98E-11	5.86E-10	8.76E-11	3.24E-10	2.85E-11	4.41E-10	9.93E-12	5.68E-11	6.78E-12	7.35E-11	9.03E-12	2.98E-11	2.05E-12	4.08E-11
2452	470234.18	3817817.77	1.06E-10	4.47E-10	4.03E-11	5.94E-10	8.87E-11	3.28E-10	2.89E-11	4.46E-10	1.01E-11	5.75E-11	6.87E-12	7.45E-11	9.14E-12	3.01E-11	2.08E-12	4.13E-11
2453	470224.62	3817817.63	1.08E-10	4.52E-10	4.07E-11	6.01E-10	8.97E-11	3.32E-10	2.92E-11	4.51E-10	1.02E-11	5.82E-11	6.95E-12	7.53E-11	9.24E-12	3.05E-11	2.10E-12	4.18E-11
2454	470215.06	3817817.5	1.09E-10	4.57E-10	4.12E-11	6.08E-10	9.07E-11	3.36E-10	2.96E-11	4.56E-10	1.03E-11	5.89E-11	7.03E-12	7.62E-11	9.35E-12	3.08E-11	2.13E-12	4.23E-11
2455	470205.49	3817817.36	1.10E-10	4.62E-10	4.16E-11	6.14E-10	9.17E-11	3.40E-10	2.99E-11	4.61E-10	1.04E-11	5.95E-11	7.10E-12	7.70E-11	9.45E-12	3.11E-11	2.15E-12	4.27E-11
2456	470195.93	3817817.23	1.11E-10	4.67E-10	4.20E-11	6.20E-10	9.25E-11	3.43E-10	3.02E-11	4.66E-10	1.05E-11	6.01E-11	7.17E-12	7.77E-11	9.54E-12	3.14E-11	2.17E-12	4.32E-11
2457	470311.01	3817742.48	8.71E-11	3.66E-10	3.29E-11	4.86E-10	7.26E-11	2.69E-10	2.36E-11	3.65E-10	8.23E-12	4.71E-11	5.62E-12	6.09E-11	7.48E-12	2.47E-11	1.70E-12	3.38E-11
2458	470319.77	3817746.24	8.63E-11	3.62E-10	3.26E-11	4.81E-10	7.19E-11	2.66E-10	2.34E-11	3.62E-10	8.15E-12	4.67E-11	5.57E-12	6.04E-11	7.41E-12	2.44E-11	1.68E-12	3.35E-11
2459	470328.53	3817750	8.56E-11	3.59E-10	3.24E-11	4.77E-10	7.13E-11	2.64E-10	2.32E-11	3.59E-10	8.08E-12	4.63E-11	5.52E-12	5.99E-11	7.34E-12	2.42E-11	1.67E-12	3.32E-11
2460	470337.29	3817753.76	8.48E-11	3.56E-10	3.21E-11	4.73E-10	7.06E-11	2.62E-10	2.30E-11	3.55E-10	8.01E-12	4.58E-11	5.47E-12	5.93E-11	7.28E-12	2.40E-11	1.65E-12	3.29E-11
2461	470346.06	3817757.52	8.41E-11	3.53E-10	3.18E-11	4.69E-10	7.01E-11	2.60E-10	2.28E-11	3.53E-10	7.94E-12	4.55E-11	5.43E-12	5.89E-11	7.22E-12	2.38E-11	1.64E-12	3.27E-11
2462	470354.82	3817761.28	8.34E-11	3.50E-10	3.16E-11	4.65E-10	6.95E-11	2.57E-10	2.27E-11	3.50E-10	7.88E-12	4.51E-11	5.38E-12	5.84E-11	7.16E-12	2.36E-11	1.63E-12	3.24E-11
2463	470363.58	3817765.04	8.28E-11	3.48E-10	3.13E-11	4.62E-10	6.90E-11	2.56E-10	2.25E-11	3.47E-10	7.82E-12	4.48E-11	5.34E-12	5.79E-11	7.11E-12	2.34E-11	1.62E-12	3.22E-11
2464	470372.34	3817768.81	8.22E-11	3.45E-10	3.11E-11	4.58E-10	6.85E-11	2.54E-10	2.23E-11	3.44E-10	7.76E-12	4.44E-11	5.30E-12	5.75E-11	7.06E-12	2.33E-11	1.60E-12	3.19E-11
2465	470381.1	3817772.57	8.16E-11	3.43E-10	3.09E-11	4.55E-10	6.80E-11	2.52E-10	2.21E-11	3.42E-10	7.70E-12	4.41E-11	5.26E-12	5.71E-11	7.00E-12	2.31E-11	1.59E-12	3.17E-11
2466	470389.87	3817776.33	8.10E-11	3.40E-10	3.06E-11	4.52E-10	6.74E-11	2.50E-10	2.20E-11	3.39E-10	7.65E-12	4.38E-11	5.22E-12	5.66E-11	6.95E-12	2.29E-11	1.58E-12	3.14E-11
2467	470398.63	3817780.09	8.14E-11	3.42E-10	3.08E-11	4.54E-10	6.78E-11	2.51E-10	2.21E-11	3.41E-10	7.69E-12	4.40E-11	5.25E-12	5.69E-11	6.99E-12	2.30E-11	1.59E-12	3.16E-11
2468	470407.39	3817783.85	8.08E-11	3.39E-10	3.06E-11	4.51E-10	6.73E-11	2.49E-10	2.19E-11	3.39E-10	7.63E-12	4.37E-11	5.21E-12	5.65E-11	6.94E-12	2.29E-11	1.58E-12	3.14E-11
2469	470416.15	3817787.61	8.02E-11	3.37E-10	3.03E-11	4.47E-10	6.68E-11	2.47E-10	2.18E-11	3.36E-10	7.57E-12	4.33E-11	5.17E-12	5.61E-11	6.88E-12	2.27E-11	1.56E-12	3.11E-11
2470	470424.91	3817791.37	7.94E-11	3.33E-10	3.00E-11	4.43E-10	6.61E-11	2.45E-10	2.16E-11	3.33E-10	7.50E-12	4.29E-11	5.12E-12	5.55E-11	6.82E-12	2.25E-11	1.55E-12	3.08E-11
2471	470433.68	3817795.13	7.87E-11	3.31E-10	2.98E-11	4.39E-10	6.56E-11	2.43E-10	2.14E-11	3.30E-10	7.43E-12	4.26E-11	5.08E-12	5.51E-11	6.76E-12	2.23E-11	1.54E-12	3.06E-11
2472	470442.44	3817798.89	7.80E-11	3.28E-10	2.95E-11	4.35E-10	6.50E-11	2.41E-10	2.12E-11	3.27E-10	7.37E-12	4.22E-11	5.03E-12	5.46E-11	6.70E-12	2.21E-11	1.52E-12	3.03E-11
2473	470451.2	3817802.65	7.74E-11	3.25E-10	2.93E-11	4.32E-10	6.45E-11	2.39E-10	2.10E-11	3.24E-10	7.31E-12	4.19E-11	4.99E-12	5.42E-11	6.65E-12	2.19E-11	1.51E-12	3.01E-11
2474	470459.96	3817806.41	7.67E-11	3.22E-10	2.90E-11	4.28E-10	6.39E-11	2.37E-10	2.08E-11	3.22E-10	7.25E-12	4.15E-11	4.95E-12	5.37E-11	6.59E-12	2.17E-11	1.50E-12	2.98E-11
2475	470468.72	3817810.17	7.61E-11	3.19E-10	2.88E-11	4.24E-10	6.33E-11	2.35E-10	2.06E-11	3.19E-10	7.18E-12	4.11E-11	4.91E-12	5.32E-11	6.53E-12	2.15E-11	1.48E-12	2.95E-11
2476	470477.49	3817813.93	7.54E-11	3.17E-10	2.85E-11	4.20E-10	6.28E-11	2.33E-10	2.05E-11	3.16E-10	7.12E-12	4.07E-11	4.86E-12	5.27E-11	6.47E-12	2.13E-11	1.47E-12	2.93E-11
2477	470486.25	3817817.7	7.47E-11	3.14E-10	2.83E-11	4.17E-10	6.23E-11	2.31E-10	2.03E-11	3.13E-10	7.06E-12	4.04E-11	4.82E-12	5.23E-11	6.42E-12	2.12E-11	1.46E-12	2.90E-11
2478	470495.01	3817821.46	7.41E-11	3.11E-10	2.80E-11	4.13E-10	6.17E-11	2.29E-10	2.01E-11	3.11E-10	7.00E-12	4.01E-11	4.78E-12	5.19E-11	6.36E-12	2.10E-11	1.45E-12	2.88E-11
2479	470503.77	3817825.22	7.35E-11	3.09E-10	2.78E-11	4.10E-10	6.12E-11	2.27E-10	2.00E-11	3.08E-10	6.94E-12	3.97E-11	4.74E-12	5.14E-11	6.31E-12	2.08E-11	1.43E-12	2.86E-11
2480	470512.54	3817828.98	7.29E-11	3.06E-10	2.76E-11	4.07E-10	6.07E-11	2.25E-10	1.98E-11	3.05E-10	6.88E-12	3.94E-11	4.70E-12	5.10E-11	6.26E-12	2.06E-11	1.42E-12	2.83E-11
2481	470521.3	3817832.74	7.23E-11	3.03E-10	2.73E-11	4.03E-10	6.02E-11	2.23E-10	1.96E-11	3.03E-10	6.82E-12	3.91E-11	4.66E-12	5.05E-11	6.20E-12	2.05E-11	1.41E-12	2.81E-11
2482	470530.06	3817836.5	7.17E-11	3.01E-10	2.71E-11	4.00E-10	5.97E-11	2.21E-10	1.95E-11	3.00E-10	6.77E-12	3.88E-11	4.62E-12	5.02E-11	6.16E-12	2.03E-11	1.40E-12	2.79E-11
2483	470538.82	3817840.26	7.11E-11	2.99E-10	2.69E-11	3.96E-10	5.92E-11	2.19E-10	1.93E-11	2.98E-10	6.71E-12	3.84E-11	4.58E-12	4.97E-11	6.10E-12	2.01E-11	1.39E-12	2.76E-11
2484	470547.58	3817844.02	7.05E-11	2.96E-10	2.67E-11	3.93E-10	5.87E-11	2.18E-10	1.91E-11	2.95E-10	6.66E-12	3.81E-11	4.55E-12	4.93E-11	6.05E-12	2.00E-11	1.38E-12	2.74E-11
2485	470556.35	3817847.78	7.00E-11	2.94E-10	2.65E-11	3.90E-10	5.83E-11	2.16E-10	1.90E-11	2.93E-10	6.61E-12	3.78E-11	4.51E-12	4.89E-11	6.01E-12	1.98E-11	1.37E-12	2.72E-11
2486	470565.11	3817851.54	6.93E-11	2.91E-10	2.62E-11	3.87E-10	5.78E-11	2.14E-10	1.88E-11	2.91E-10	6.55E-12	3.75E-11	4.47E-12	4.85E-11	5.95E-12	1.96E-11	1.35E-12	2.69E-11
2487	470573.87	3817855.3	6.88E-11	2.89E-10	2.60E-11	3.84E-10	5.73E-11	2.12E-10	1.87E-11	2.88E-10	6.50E-12	3.72E-11	4.44E-12	4.81E-11	5.90E-12	1.95E-11	1.34E-12	2.67E-11
2488	470582.63	3817859.06	6.82E-11	2.86E-10	2.58E-11	3.80E-10	5.68E-11	2.10E-10	1.85E-11	2.86E-10	6.44E-12	3.68E-11	4.40E-12	4.77E-11	5.85E-12	1.93E-11	1.33E-12	2.65E-11
2489	470591.39	3817862.82	6.77E-11	2.84E-10	2.56E-11	3.77E-10	5.64E-11	2.09E-10	1.84E-11	2.84E-10	6.39E-12	3.66E-11	4.36E-12	4.73E-11	5.81E-12	1.92E-11	1.32E-12	2.63E-11
2490	470600.16	3817866.59	6.72E-11	2.82E-10	2.54E-11	3.75E-10	5.59E-11	2.07E-10	1.82E-11	2.81E-10	6.34E-12	3.63E-11	4.33E-12	4.70E-11	5.77E-12	1.90E-11	1.31E-12	2.61E-11
2491	470608.92	3817870.35	6.67E-11	2.80E-10	2.52E-11	3.72E-10	5.55E-11	2.06E-10	1.81E-11	2.79E-10	6.30E-12	3.60E-11	4.30E-12	4.66E-11	5.72E-12	1.89E-11	1.30E-12	2.59E-11
2492	470617.68	3817874.11	6.62E-11	2.78E-10	2.50E-11	3.69E-10	5.51E-11	2.04E-10	1.80E-11	2.77E-10	6.25E-12	3.58E-11	4.27E-12	4.63E-11	5.68E-12	1.87E-11	1.29E-12	2.57E-11
2493	470626.44	3817877.87	6.57E-11	2.76E-10	2.48E-11	3.66E-10	5.47E-11	2.03E-10	1.78E-11	2.75E-10	6.20E-12	3.55E-11	4.24E-12	4.59E-11	5.64E-12	1.86E-11	1.28E-12	2.55E-11
2494	470635.2	3817881.63	6.51E-11	2.73E-10	2.46E-11	3.63E-10	5.42E-11	2.01E-10	1.77E-11	2.73E-10	6.15E-12	3.52E-11	4.20E-12	4.55E-11	5.59E-12	1.84E-11	1.27E-12	2.53E-11
2495	470643.97	3817885.39	6.46E-11	2.71E-10	2.44E-11	3.60E-10	5.38E-11	1.99E-10	1.75E-11	2.71E-10	6.10E-12	3.49E-11	4.17E-12	4.52E-11	5.55E-12	1.83E-11	1.26E-12	2.51E-11
2496	470652.73	3817889.15	6.41E-11	2.69E-10	2.43E-11	3.58E-10	5.34E-11	1.98E-10	1.74E-11	2.69E-10	6.06E-12	3.47E-11	4.14E-12	4.49E-11	5.50E-12	1.82E-11	1.25E-12	2.49E-11

2497	470661.49	3817892.91	6.36E-11	2.67E-10	2.41E-11	3.55E-10	5.30E-11	1.96E-10	1.73E-11	2.67E-10	6.01E-12	3.44E-11	4.10E-12	4.45E-11	5.46E-12	1.80E-11	1.24E-12	2.47E-11
2498	470670.25	3817896.67	6.32E-11	2.65E-10	2.39E-11	3.52E-10	5.26E-11	1.95E-10	1.72E-11	2.65E-10	5.97E-12	3.42E-11	4.08E-12	4.42E-11	5.42E-12	1.79E-11	1.23E-12	2.45E-11
2499	470679.01	3817900.43	6.27E-11	2.63E-10	2.37E-11	3.50E-10	5.22E-11	1.93E-10	1.70E-11	2.63E-10	5.92E-12	3.39E-11	4.04E-12	4.39E-11	5.38E-12	1.77E-11	1.22E-12	2.44E-11
2500	470687.78	3817904.19	6.23E-11	2.61E-10	2.35E-11	3.47E-10	5.19E-11	1.92E-10	1.69E-11	2.61E-10	5.88E-12	3.37E-11	4.02E-12	4.36E-11	5.34E-12	1.76E-11	1.21E-12	2.42E-11
2501	470696.54	3817907.95	6.19E-11	2.60E-10	2.34E-11	3.45E-10	5.15E-11	1.91E-10	1.68E-11	2.59E-10	5.84E-12	3.35E-11	3.99E-12	4.33E-11	5.31E-12	1.75E-11	1.21E-12	2.40E-11
2502	470705.3	3817911.71	6.15E-11	2.58E-10	2.33E-11	3.43E-10	5.12E-11	1.90E-10	1.67E-11	2.58E-10	5.81E-12	3.33E-11	3.97E-12	4.30E-11	5.28E-12	1.74E-11	1.20E-12	2.39E-11
2503	470714.06	3817915.48	6.11E-11	2.56E-10	2.31E-11	3.41E-10	5.09E-11	1.88E-10	1.66E-11	2.56E-10	5.77E-12	3.30E-11	3.94E-12	4.27E-11	5.24E-12	1.73E-11	1.19E-12	2.37E-11
2504	470722.83	3817919.24	6.07E-11	2.55E-10	2.30E-11	3.39E-10	5.06E-11	1.87E-10	1.65E-11	2.54E-10	5.73E-12	3.28E-11	3.92E-12	4.25E-11	5.21E-12	1.72E-11	1.18E-12	2.36E-11
2505	470731.59	3817923	6.03E-11	2.53E-10	2.28E-11	3.37E-10	5.03E-11	1.86E-10	1.64E-11	2.53E-10	5.70E-12	3.26E-11	3.89E-12	4.22E-11	5.18E-12	1.71E-11	1.18E-12	2.34E-11
2506	470740.35	3817926.76	6.00E-11	2.52E-10	2.27E-11	3.34E-10	4.99E-11	1.85E-10	1.63E-11	2.51E-10	5.66E-12	3.24E-11	3.87E-12	4.19E-11	5.15E-12	1.70E-11	1.17E-12	2.33E-11
2507	470749.11	3817930.52	5.95E-11	2.50E-10	2.25E-11	3.32E-10	4.96E-11	1.84E-10	1.62E-11	2.49E-10	5.62E-12	3.22E-11	3.84E-12	4.16E-11	5.11E-12	1.68E-11	1.16E-12	2.31E-11
2508	470757.87	3817934.28	5.91E-11	2.48E-10	2.23E-11	3.30E-10	4.92E-11	1.82E-10	1.60E-11	2.48E-10	5.58E-12	3.19E-11	3.81E-12	4.13E-11	5.07E-12	1.67E-11	1.15E-12	2.30E-11
2509	470766.64	3817938.04	5.87E-11	2.46E-10	2.22E-11	3.27E-10	4.89E-11	1.81E-10	1.59E-11	2.46E-10	5.54E-12	3.17E-11	3.78E-12	4.10E-11	5.04E-12	1.66E-11	1.14E-12	2.28E-11
2510	470775.4	3817941.8	5.82E-11	2.44E-10	2.20E-11	3.25E-10	4.85E-11	1.80E-10	1.58E-11	2.44E-10	5.50E-12	3.15E-11	3.76E-12	4.07E-11	5.00E-12	1.65E-11	1.14E-12	2.26E-11
2511	470784.16	3817945.56	5.78E-11	2.43E-10	2.19E-11	3.23E-10	4.82E-11	1.78E-10	1.57E-11	2.42E-10	5.46E-12	3.13E-11	3.73E-12	4.05E-11	4.97E-12	1.64E-11	1.13E-12	2.25E-11
2512	470792.92	3817949.32	5.75E-11	2.42E-10	2.18E-11	3.21E-10	4.79E-11	1.78E-10	1.56E-11	2.41E-10	5.43E-12	3.11E-11	3.71E-12	4.02E-11	4.94E-12	1.63E-11	1.12E-12	2.23E-11
2513	470801.68	3817953.08	5.72E-11	2.40E-10	2.16E-11	3.19E-10	4.76E-11	1.76E-10	1.55E-11	2.40E-10	5.40E-12	3.09E-11	3.69E-12	4.00E-11	4.91E-12	1.62E-11	1.12E-12	2.22E-11
2514	470810.45	3817956.84	5.68E-11	2.38E-10	2.15E-11	3.17E-10	4.73E-11	1.75E-10	1.54E-11	2.38E-10	5.36E-12	3.07E-11	3.66E-12	3.97E-11	4.88E-12	1.61E-11	1.11E-12	2.21E-11
2515	470819.21	3817960.6	5.64E-11	2.37E-10	2.13E-11	3.15E-10	4.70E-11	1.74E-10	1.53E-11	2.36E-10	5.33E-12	3.05E-11	3.64E-12	3.95E-11	4.84E-12	1.60E-11	1.10E-12	2.19E-11
2516	470827.97	3817964.37	5.60E-11	2.35E-10	2.12E-11	3.13E-10	4.67E-11	1.73E-10	1.52E-11	2.35E-10	5.29E-12	3.03E-11	3.61E-12	3.92E-11	4.81E-12	1.59E-11	1.09E-12	2.18E-11
2517	470836.73	3817968.13	5.57E-11	2.34E-10	2.11E-11	3.11E-10	4.64E-11	1.72E-10	1.51E-11	2.33E-10	5.26E-12	3.01E-11	3.59E-12	3.89E-11	4.78E-12	1.58E-11	1.09E-12	2.16E-11
2518	470845.49	3817971.89	5.52E-11	2.32E-10	2.09E-11	3.08E-10	4.60E-11	1.70E-10	1.50E-11	2.31E-10	5.22E-12	2.99E-11	3.56E-12	3.86E-11	4.74E-12	1.56E-11	1.08E-12	2.15E-11
2519	470854.26	3817975.65	5.49E-11	2.30E-10	2.07E-11	3.06E-10	4.57E-11	1.69E-10	1.49E-11	2.30E-10	5.18E-12	2.97E-11	3.54E-12	3.84E-11	4.71E-12	1.55E-11	1.07E-12	2.13E-11
2520	470863.02	3817979.41	5.44E-11	2.29E-10	2.06E-11	3.04E-10	4.53E-11	1.68E-10	1.48E-11	2.28E-10	5.14E-12	2.94E-11	3.51E-12	3.81E-11	4.67E-12	1.54E-11	1.06E-12	2.11E-11
2521	470871.78	3817983.17	5.40E-11	2.27E-10	2.04E-11	3.01E-10	4.50E-11	1.67E-10	1.47E-11	2.26E-10	5.10E-12	2.92E-11	3.48E-12	3.78E-11	4.64E-12	1.53E-11	1.05E-12	2.10E-11
2522	470880.54	3817986.93	5.36E-11	2.25E-10	2.03E-11	2.99E-10	4.46E-11	1.65E-10	1.45E-11	2.24E-10	5.06E-12	2.90E-11	3.45E-12	3.75E-11	4.60E-12	1.52E-11	1.05E-12	2.08E-11
2523	470889.3	3817990.69	5.32E-11	2.23E-10	2.01E-11	2.97E-10	4.43E-11	1.64E-10	1.44E-11	2.23E-10	5.02E-12	2.88E-11	3.43E-12	3.72E-11	4.57E-12	1.51E-11	1.04E-12	2.07E-11
2524	470898.07	3817994.45	5.28E-11	2.22E-10	2.00E-11	2.94E-10	4.39E-11	1.63E-10	1.43E-11	2.21E-10	4.98E-12	2.85E-11	3.40E-12	3.69E-11	4.53E-12	1.49E-11	1.03E-12	2.05E-11
2525	470906.83	3817998.21	5.24E-11	2.20E-10	1.98E-11	2.92E-10	4.36E-11	1.62E-10	1.42E-11	2.19E-10	4.95E-12	2.83E-11	3.38E-12	3.66E-11	4.50E-12	1.48E-11	1.02E-12	2.03E-11
2526	470915.59	3818001.97	5.19E-11	2.18E-10	1.96E-11	2.90E-10	4.33E-11	1.60E-10	1.41E-11	2.18E-10	4.91E-12	2.81E-11	3.35E-12	3.63E-11	4.46E-12	1.47E-11	1.01E-12	2.02E-11
2527	470924.35	3818005.73	5.15E-11	2.16E-10	1.95E-11	2.87E-10	4.29E-11	1.59E-10	1.40E-11	2.16E-10	4.86E-12	2.78E-11	3.32E-12	3.60E-11	4.42E-12	1.46E-11	1.01E-12	2.00E-11
2528	470933.12	3818009.49	5.11E-11	2.14E-10	1.93E-11	2.85E-10	4.25E-11	1.58E-10	1.39E-11	2.14E-10	4.82E-12	2.76E-11	3.29E-12	3.57E-11	4.38E-12	1.45E-11	9.97E-13	1.98E-11
2529	470941.88	3818013.26	5.07E-11	2.13E-10	1.92E-11	2.83E-10	4.22E-11	1.56E-10	1.38E-11	2.12E-10	4.79E-12	2.74E-11	3.27E-12	3.55E-11	4.35E-12	1.44E-11	9.89E-13	1.97E-11
2530	470950.64	3818017.02	5.03E-11	2.11E-10	1.90E-11	2.81E-10	4.19E-11	1.55E-10	1.37E-11	2.11E-10	4.75E-12	2.72E-11	3.25E-12	3.52E-11	4.32E-12	1.42E-11	9.82E-13	1.95E-11
2531	470959.4	3818020.78	4.99E-11	2.10E-10	1.89E-11	2.78E-10	4.16E-11	1.54E-10	1.35E-11	2.09E-10	4.71E-12	2.70E-11	3.22E-12	3.49E-11	4.28E-12	1.41E-11	9.74E-13	1.94E-11
2532	470968.16	3818024.54	4.95E-11	2.08E-10	1.87E-11	2.76E-10	4.12E-11	1.53E-10	1.34E-11	2.07E-10	4.67E-12	2.67E-11	3.19E-12	3.46E-11	4.25E-12	1.40E-11	9.65E-13	1.92E-11
2533	470976.93	3818028.3	4.90E-11	2.06E-10	1.85E-11	2.73E-10	4.08E-11	1.51E-10	1.33E-11	2.05E-10	4.63E-12	2.65E-11	3.16E-12	3.43E-11	4.21E-12	1.39E-11	9.57E-13	1.90E-11
2534	470985.69	3818032.06	4.87E-11	2.04E-10	1.84E-11	2.71E-10	4.05E-11	1.50E-10	1.32E-11	2.04E-10	4.59E-12	2.63E-11	3.14E-12	3.40E-11	4.18E-12	1.38E-11	9.49E-13	1.89E-11
2535	470994.45	3818035.82	4.83E-11	2.03E-10	1.83E-11	2.70E-10	4.03E-11	1.49E-10	1.31E-11	2.03E-10	4.56E-12	2.61E-11	3.12E-12	3.38E-11	4.15E-12	1.37E-11	9.43E-13	1.88E-11
2536	471003.21	3818039.58	4.80E-11	2.01E-10	1.81E-11	2.68E-10	4.00E-11	1.48E-10	1.30E-11	2.01E-10	4.53E-12	2.59E-11	3.09E-12	3.36E-11	4.12E-12	1.36E-11	9.36E-13	1.86E-11
2537	471011.97	3818043.34	4.75E-11	1.99E-10	1.80E-11	2.65E-10	3.95E-11	1.46E-10	1.29E-11	1.99E-10	4.48E-12	2.57E-11	3.06E-12	3.32E-11	4.08E-12	1.34E-11	9.26E-13	1.84E-11
2538	471020.74	3818047.1	4.70E-11	1.98E-10	1.78E-11	2.62E-10	3.92E-11	1.45E-10	1.28E-11	1.97E-10	4.44E-12	2.54E-11	3.03E-12	3.29E-11	4.04E-12	1.33E-11	9.18E-13	1.83E-11
2539	471029.5	3818050.86	4.66E-11	1.96E-10	1.76E-11	2.60E-10	3.88E-11	1.44E-10	1.26E-11	1.95E-10	4.40E-12	2.52E-11	3.01E-12	3.26E-11	4.00E-12	1.32E-11	9.09E-13	1.81E-11
2540	471038.26	3818054.62	4.62E-11	1.94E-10	1.75E-11	2.57E-10	3.85E-11	1.42E-10	1.25E-11	1.93E-10	4.36E-12	2.50E-11	2.98E-12	3.23E-11	3.96E-12	1.31E-11	9.01E-13	1.79E-11
2541	471047.02	3818058.38	4.57E-11	1.92E-10	1.73E-11	2.55E-10	3.80E-11	1.41E-10	1.24E-11	1.91E-10	4.31E-12	2.47E-11	2.95E-12	3.19E-11	3.92E-12	1.29E-11	8.91E-13	1.77E-11
2542	471055.78	3818062.15	4.52E-11	1.90E-10	1.71E-11	2.52E-10	3.77E-11	1.40E-10	1.23E-11	1.90E-10	4.27E-12	2.45E-11	2.92E-12	3.16E-11	3.88E-12	1.28E-11	8.83E-13	1.76E-11
2543	471064.55	3818065.91	4.48E-11	1.88E-10	1.69E-11	2.50E-10	3.73E-11	1.38E-10	1.22E-11	1.88E-10	4.23E-12	2.42E-11	2.89E-12	3.13E-11	3.85E-12	1.27E-11	8.74E-13	1.74E-11
2544	471073.31	3818069.67	4.44E-11	1.86E-10	1.68E-11	2.47E-10	3.70E-11	1.37E-10	1.20E-11	1.86E-10	4.19E-12	2.40E-11	2.86E-12	3.10E-11	3.81E-12	1.26E-11	8.66E-13	1.72E-11
2545	471082.07	3818073.43	4.39E-11	1.84E-10	1.66E-11	2.45E-10	3.66E-11	1.36E-10	1.19E-11	1.84E-10	4.15E-12	2.37E-11	2.83E-12	3.07E-11	3.77E-12	1.24E-11	8.57E-13	1.71E-11
2546	471090.83	3818077.19	4.35E-11	1.83E-10	1.64E-11	2.43E-10	3.62E-11	1.34E-10	1.18E-11	1.82E-10	4.11E-12	2.35E-11	2.81E-12	3.04E-11	3.73E-12	1.23E-11	8.49E-13	1.69E-11

2547	471099.59	3818080.95	4.31E-11	1.81E-10	1.63E-11	2.40E-10	3.59E-11	1.33E-10	1.17E-11	1.80E-10	4.07E-12	2.33E-11	2.78E-12	3.01E-11	3.70E-12	1.22E-11	8.40E-13	1.67E-11
2548	471108.36	3818084.71	4.26E-11	1.79E-10	1.61E-11	2.38E-10	3.55E-11	1.32E-10	1.16E-11	1.79E-10	4.02E-12	2.30E-11	2.75E-12	2.98E-11	3.66E-12	1.21E-11	8.32E-13	1.66E-11
2549	471117.12	3818088.47	4.23E-11	1.77E-10	1.60E-11	2.36E-10	3.52E-11	1.30E-10	1.15E-11	1.77E-10	3.99E-12	2.28E-11	2.73E-12	2.96E-11	3.63E-12	1.20E-11	8.24E-13	1.64E-11
2550	471125.88	3818092.23	4.18E-11	1.76E-10	1.58E-11	2.33E-10	3.48E-11	1.29E-10	1.14E-11	1.75E-10	3.95E-12	2.26E-11	2.70E-12	2.93E-11	3.59E-12	1.18E-11	8.16E-13	1.62E-11
2551	471169.69	3818111.04	3.99E-11	1.68E-10	1.51E-11	2.22E-10	3.32E-11	1.23E-10	1.08E-11	1.67E-10	3.77E-12	2.16E-11	2.57E-12	2.79E-11	3.42E-12	1.13E-11	7.78E-13	1.55E-11
2552	471178.45	3818114.8	3.95E-11	1.66E-10	1.49E-11	2.20E-10	3.29E-11	1.22E-10	1.07E-11	1.66E-10	3.73E-12	2.14E-11	2.55E-12	2.76E-11	3.39E-12	1.12E-11	7.71E-13	1.53E-11
2553	471187.22	3818118.56	3.91E-11	1.64E-10	1.48E-11	2.18E-10	3.26E-11	1.21E-10	1.06E-11	1.64E-10	3.70E-12	2.12E-11	2.52E-12	2.74E-11	3.36E-12	1.11E-11	7.64E-13	1.52E-11
2554	471195.98	3818122.32	3.88E-11	1.63E-10	1.47E-11	2.17E-10	3.23E-11	1.20E-10	1.05E-11	1.63E-10	3.67E-12	2.10E-11	2.50E-12	2.72E-11	3.33E-12	1.10E-11	7.58E-13	1.51E-11
2555	471204.74	3818126.08	3.85E-11	1.62E-10	1.45E-11	2.15E-10	3.20E-11	1.19E-10	1.04E-11	1.61E-10	3.63E-12	2.08E-11	2.48E-12	2.69E-11	3.30E-12	1.09E-11	7.50E-13	1.49E-11
2556	471213.5	3818129.84	3.81E-11	1.60E-10	1.44E-11	2.13E-10	3.18E-11	1.18E-10	1.04E-11	1.60E-10	3.60E-12	2.06E-11	2.46E-12	2.67E-11	3.27E-12	1.08E-11	7.44E-13	1.48E-11
2557	471222.26	3818133.6	3.78E-11	1.59E-10	1.43E-11	2.11E-10	3.15E-11	1.17E-10	1.03E-11	1.59E-10	3.57E-12	2.05E-11	2.44E-12	2.65E-11	3.25E-12	1.07E-11	7.38E-13	1.47E-11
2558	471231.03	3818137.36	3.75E-11	1.58E-10	1.42E-11	2.09E-10	3.13E-11	1.16E-10	1.02E-11	1.57E-10	3.54E-12	2.03E-11	2.42E-12	2.63E-11	3.22E-12	1.06E-11	7.32E-13	1.46E-11
2559	471239.79	3818141.12	3.73E-11	1.57E-10	1.41E-11	2.08E-10	3.11E-11	1.15E-10	1.01E-11	1.56E-10	3.52E-12	2.02E-11	2.40E-12	2.61E-11	3.20E-12	1.06E-11	7.27E-13	1.45E-11
2560	471248.55	3818144.88	3.70E-11	1.56E-10	1.40E-11	2.07E-10	3.08E-11	1.14E-10	1.01E-11	1.55E-10	3.50E-12	2.00E-11	2.39E-12	2.59E-11	3.18E-12	1.05E-11	7.23E-13	1.44E-11
2561	471257.31	3818148.64	3.67E-11	1.54E-10	1.39E-11	2.05E-10	3.06E-11	1.13E-10	9.97E-12	1.54E-10	3.47E-12	1.99E-11	2.37E-12	2.57E-11	3.15E-12	1.04E-11	7.17E-13	1.43E-11
2562	471266.07	3818152.4	3.65E-11	1.53E-10	1.38E-11	2.03E-10	3.04E-11	1.13E-10	9.90E-12	1.53E-10	3.44E-12	1.97E-11	2.35E-12	2.55E-11	3.13E-12	1.03E-11	7.12E-13	1.42E-11
2563	471274.84	3818156.16	3.63E-11	1.52E-10	1.37E-11	2.02E-10	3.02E-11	1.12E-10	9.85E-12	1.52E-10	3.43E-12	1.96E-11	2.34E-12	2.54E-11	3.11E-12	1.03E-11	7.08E-13	1.41E-11
2564	471283.6	3818159.93	3.60E-11	1.51E-10	1.36E-11	2.01E-10	3.00E-11	1.11E-10	9.78E-12	1.51E-10	3.40E-12	1.95E-11	2.32E-12	2.52E-11	3.09E-12	1.02E-11	7.03E-13	1.40E-11
2565	471292.36	3818163.69	3.59E-11	1.51E-10	1.36E-11	2.00E-10	2.99E-11	1.11E-10	9.73E-12	1.50E-10	3.39E-12	1.94E-11	2.31E-12	2.51E-11	3.08E-12	1.01E-11	7.00E-13	1.39E-11
2566	471301.12	3818167.45	3.57E-11	1.50E-10	1.35E-11	1.99E-10	2.97E-11	1.10E-10	9.68E-12	1.49E-10	3.37E-12	1.93E-11	2.30E-12	2.49E-11	3.06E-12	1.01E-11	6.96E-13	1.39E-11
2567	471309.89	3818171.21	3.55E-11	1.49E-10	1.34E-11	1.98E-10	2.96E-11	1.09E-10	9.63E-12	1.49E-10	3.35E-12	1.92E-11	2.29E-12	2.48E-11	3.05E-12	1.00E-11	6.92E-13	1.38E-11
2568	471318.65	3818174.97	3.53E-11	1.48E-10	1.33E-11	1.97E-10	2.94E-11	1.09E-10	9.58E-12	1.48E-10	3.33E-12	1.91E-11	2.28E-12	2.47E-11	3.03E-12	9.99E-12	6.89E-13	1.37E-11
2569	471327.41	3818178.73	3.51E-11	1.47E-10	1.33E-11	1.96E-10	2.92E-11	1.08E-10	9.53E-12	1.47E-10	3.32E-12	1.90E-11	2.26E-12	2.46E-11	3.01E-12	9.94E-12	6.85E-13	1.36E-11
2570	471336.17	3818182.49	3.50E-11	1.47E-10	1.32E-11	1.95E-10	2.91E-11	1.08E-10	9.50E-12	1.47E-10	3.30E-12	1.89E-11	2.26E-12	2.45E-11	3.00E-12	9.90E-12	6.83E-13	1.36E-11
2571	471344.93	3818186.25	3.49E-11	1.46E-10	1.32E-11	1.94E-10	2.90E-11	1.08E-10	9.46E-12	1.46E-10	3.29E-12	1.88E-11	2.25E-12	2.44E-11	2.99E-12	9.87E-12	6.80E-13	1.35E-11
2572	471357.26	3818198.86	3.50E-11	1.47E-10	1.32E-11	1.95E-10	2.91E-11	1.08E-10	9.50E-12	1.47E-10	3.30E-12	1.89E-11	2.26E-12	2.45E-11	3.00E-12	9.90E-12	6.83E-13	1.36E-11
2573	471360.82	3818207.7	3.52E-11	1.48E-10	1.33E-11	1.97E-10	2.93E-11	1.09E-10	9.56E-12	1.48E-10	3.33E-12	1.90E-11	2.27E-12	2.46E-11	3.02E-12	9.97E-12	6.87E-13	1.37E-11
2574	471364.38	3818216.55	3.55E-11	1.49E-10	1.34E-11	1.98E-10	2.96E-11	1.09E-10	9.63E-12	1.49E-10	3.35E-12	1.92E-11	2.29E-12	2.48E-11	3.05E-12	1.00E-11	6.92E-13	1.38E-11
2575	471367.94	3818225.39	3.58E-11	1.50E-10	1.35E-11	2.00E-10	2.98E-11	1.10E-10	9.72E-12	1.50E-10	3.38E-12	1.93E-11	2.31E-12	2.50E-11	3.07E-12	1.01E-11	6.98E-13	1.39E-11
2576	471371.5	3818234.24	3.61E-11	1.52E-10	1.37E-11	2.01E-10	3.01E-11	1.11E-10	9.80E-12	1.51E-10	3.41E-12	1.95E-11	2.33E-12	2.53E-11	3.10E-12	1.02E-11	7.04E-13	1.40E-11
2577	471375.06	3818243.08	3.64E-11	1.53E-10	1.38E-11	2.03E-10	3.03E-11	1.12E-10	9.88E-12	1.53E-10	3.44E-12	1.97E-11	2.35E-12	2.55E-11	3.13E-12	1.03E-11	7.10E-13	1.41E-11
2578	471378.62	3818251.93	3.67E-11	1.54E-10	1.39E-11	2.05E-10	3.06E-11	1.13E-10	9.97E-12	1.54E-10	3.47E-12	1.99E-11	2.37E-12	2.57E-11	3.15E-12	1.04E-11	7.17E-13	1.43E-11
2579	471382.18	3818260.77	3.71E-11	1.56E-10	1.40E-11	2.07E-10	3.09E-11	1.14E-10	1.01E-11	1.55E-10	3.50E-12	2.01E-11	2.39E-12	2.59E-11	3.18E-12	1.05E-11	7.24E-13	1.44E-11
2580	471385.74	3818269.62	3.74E-11	1.57E-10	1.41E-11	2.09E-10	3.12E-11	1.15E-10	1.02E-11	1.57E-10	3.53E-12	2.02E-11	2.41E-12	2.62E-11	3.21E-12	1.06E-11	7.30E-13	1.45E-11
2581	471389.31	3818278.46	3.78E-11	1.59E-10	1.43E-11	2.11E-10	3.15E-11	1.17E-10	1.03E-11	1.59E-10	3.57E-12	2.05E-11	2.44E-12	2.65E-11	3.25E-12	1.07E-11	7.38E-13	1.47E-11
2582	471392.87	3818287.31	3.82E-11	1.60E-10	1.45E-11	2.13E-10	3.18E-11	1.18E-10	1.04E-11	1.60E-10	3.61E-12	2.07E-11	2.46E-12	2.67E-11	3.28E-12	1.08E-11	7.46E-13	1.48E-11
2583	471396.43	3818296.15	3.86E-11	1.62E-10	1.46E-11	2.15E-10	3.21E-11	1.19E-10	1.05E-11	1.62E-10	3.64E-12	2.09E-11	2.49E-12	2.70E-11	3.31E-12	1.09E-11	7.53E-13	1.50E-11
2584	471399.99	3818305	3.90E-11	1.64E-10	1.48E-11	2.18E-10	3.25E-11	1.20E-10	1.06E-11	1.63E-10	3.68E-12	2.11E-11	2.52E-12	2.73E-11	3.35E-12	1.10E-11	7.61E-13	1.52E-11
2585	471403.55	3818313.84	3.95E-11	1.66E-10	1.49E-11	2.20E-10	3.29E-11	1.22E-10	1.07E-11	1.65E-10	3.73E-12	2.13E-11	2.54E-12	2.76E-11	3.39E-12	1.12E-11	7.70E-13	1.53E-11
2586	471407.11	3818322.69	3.99E-11	1.68E-10	1.51E-11	2.22E-10	3.32E-11	1.23E-10	1.08E-11	1.67E-10	3.77E-12	2.16E-11	2.57E-12	2.79E-11	3.42E-12	1.13E-11	7.78E-13	1.55E-11
2587	471410.67	3818331.53	4.04E-11	1.70E-10	1.53E-11	2.25E-10	3.36E-11	1.25E-10	1.10E-11	1.69E-10	3.81E-12	2.18E-11	2.61E-12	2.83E-11	3.47E-12	1.14E-11	7.88E-13	1.57E-11
2588	471414.23	3818340.38	4.09E-11	1.72E-10	1.55E-11	2.28E-10	3.41E-11	1.26E-10	1.11E-11	1.71E-10	3.86E-12	2.21E-11	2.64E-12	2.86E-11	3.51E-12	1.16E-11	7.98E-13	1.59E-11
2589	471417.79	3818349.22	4.14E-11	1.74E-10	1.57E-11	2.31E-10	3.45E-11	1.28E-10	1.12E-11	1.73E-10	3.91E-12	2.24E-11	2.67E-12	2.89E-11	3.55E-12	1.17E-11	8.07E-13	1.61E-11
2590	471421.35	3818358.07	4.19E-11	1.76E-10	1.58E-11	2.34E-10	3.49E-11	1.29E-10	1.14E-11	1.75E-10	3.95E-12	2.26E-11	2.70E-12	2.93E-11	3.60E-12	1.19E-11	8.17E-13	1.63E-11
2591	471424.92	3818366.91	4.24E-11	1.78E-10	1.60E-11	2.36E-10	3.53E-11	1.31E-10	1.15E-11	1.78E-10	4.00E-12	2.29E-11	2.73E-12	2.96E-11	3.64E-12	1.20E-11	8.27E-13	1.65E-11
2592	471428.48	3818375.76	4.29E-11	1.80E-10	1.62E-11	2.39E-10	3.58E-11	1.32E-10	1.17E-11	1.80E-10	4.05E-12	2.32E-11	2.77E-12	3.00E-11	3.69E-12	1.22E-11	8.38E-13	1.67E-11
2593	471432.04	3818384.61	4.35E-11	1.83E-10	1.64E-11	2.43E-10	3.62E-11	1.34E-10	1.18E-11	1.82E-10	4.11E-12	2.35E-11	2.81E-12	3.04E-11	3.73E-12	1.23E-11	8.49E-13	1.69E-11
2594	471435.6	3818393.45	4.41E-11	1.85E-10	1.67E-11	2.46E-10	3.67E-11	1.36E-10	1.20E-11	1.85E-10	4.16E-12	2.38E-11	2.84E-12	3.08E-11	3.78E-12	1.25E-11	8.60E-13	1.71E-11
2595	471439.16	3818402.3	4.46E-11	1.87E-10	1.69E-11	2.49E-10	3.72E-11	1.38E-10	1.21E-11	1.87E-10	4.21E-12	2.41E-11	2.88E-12	3.12E-11	3.83E-12	1.26E-11	8.70E-13	1.73E-11
2596	471442.72	3818411.14	4.52E-11	1.90E-10	1.71E-11	2.52E-10	3.77E-11	1.40E-10	1.23E-11	1.90E-10	4.27E-12	2.45E-11	2.92E-12	3.16E-11	3.88E-12	1.28E-11	8.83E-13	1.76E-11

2597	471446.28	3818419.99	4.59E-11	1.93E-10	1.73E-11	2.56E-10	3.82E-11	1.41E-10	1.24E-11	1.92E-10	4.33E-12	2.48E-11	2.96E-12	3.21E-11	3.94E-12	1.30E-11	8.95E-13	1.78E-11
2598	471449.84	3818428.83	4.65E-11	1.95E-10	1.76E-11	2.59E-10	3.87E-11	1.43E-10	1.26E-11	1.95E-10	4.39E-12	2.51E-11	3.00E-12	3.25E-11	3.99E-12	1.32E-11	9.07E-13	1.81E-11
2599	471460.53	3818455.37	4.84E-11	2.03E-10	1.83E-11	2.70E-10	4.03E-11	1.49E-10	1.31E-11	2.03E-10	4.57E-12	2.62E-11	3.12E-12	3.39E-11	4.16E-12	1.37E-11	9.44E-13	1.88E-11
2600	471464.09	3818464.21	4.91E-11	2.06E-10	1.86E-11	2.74E-10	4.09E-11	1.51E-10	1.33E-11	2.06E-10	4.64E-12	2.65E-11	3.17E-12	3.43E-11	4.21E-12	1.39E-11	9.58E-13	1.91E-11
2601	471467.65	3818473.06	4.98E-11	2.09E-10	1.88E-11	2.78E-10	4.15E-11	1.54E-10	1.35E-11	2.09E-10	4.70E-12	2.69E-11	3.21E-12	3.48E-11	4.27E-12	1.41E-11	9.71E-13	1.93E-11
2602	471471.21	3818481.9	5.05E-11	2.12E-10	1.91E-11	2.81E-10	4.20E-11	1.56E-10	1.37E-11	2.11E-10	4.76E-12	2.73E-11	3.25E-12	3.53E-11	4.33E-12	1.43E-11	9.84E-13	1.96E-11
2603	471474.77	3818490.75	5.12E-11	2.15E-10	1.94E-11	2.86E-10	4.26E-11	1.58E-10	1.39E-11	2.15E-10	4.83E-12	2.77E-11	3.30E-12	3.58E-11	4.40E-12	1.45E-11	9.99E-13	1.99E-11
2604	471478.33	3818499.59	5.19E-11	2.18E-10	1.96E-11	2.89E-10	4.32E-11	1.60E-10	1.41E-11	2.17E-10	4.90E-12	2.80E-11	3.35E-12	3.63E-11	4.45E-12	1.47E-11	1.01E-12	2.02E-11
2605	471481.89	3818508.44	5.26E-11	2.21E-10	1.99E-11	2.94E-10	4.38E-11	1.62E-10	1.43E-11	2.21E-10	4.97E-12	2.85E-11	3.39E-12	3.68E-11	4.52E-12	1.49E-11	1.03E-12	2.04E-11
2606	471485.45	3818517.28	5.34E-11	2.24E-10	2.02E-11	2.98E-10	4.45E-11	1.65E-10	1.45E-11	2.24E-10	5.04E-12	2.89E-11	3.44E-12	3.73E-11	4.58E-12	1.51E-11	1.04E-12	2.07E-11
2607	471489.01	3818526.13	5.42E-11	2.28E-10	2.05E-11	3.02E-10	4.51E-11	1.67E-10	1.47E-11	2.27E-10	5.12E-12	2.93E-11	3.49E-12	3.79E-11	4.65E-12	1.53E-11	1.06E-12	2.10E-11
2608	471492.57	3818534.97	5.49E-11	2.31E-10	2.08E-11	3.06E-10	4.57E-11	1.69E-10	1.49E-11	2.30E-10	5.19E-12	2.97E-11	3.54E-12	3.84E-11	4.72E-12	1.55E-11	1.07E-12	2.13E-11
2609	471496.14	3818543.82	5.57E-11	2.34E-10	2.11E-11	3.11E-10	4.64E-11	1.72E-10	1.51E-11	2.34E-10	5.26E-12	3.01E-11	3.59E-12	3.90E-11	4.78E-12	1.58E-11	1.09E-12	2.16E-11
2610	471499.7	3818552.66	5.65E-11	2.37E-10	2.14E-11	3.15E-10	4.71E-11	1.74E-10	1.53E-11	2.37E-10	5.34E-12	3.06E-11	3.65E-12	3.96E-11	4.85E-12	1.60E-11	1.10E-12	2.20E-11
2611	471503.26	3818561.51	5.73E-11	2.41E-10	2.17E-11	3.20E-10	4.78E-11	1.77E-10	1.56E-11	2.40E-10	5.42E-12	3.10E-11	3.70E-12	4.01E-11	4.92E-12	1.62E-11	1.12E-12	2.23E-11
2612	471506.82	3818570.35	5.82E-11	2.44E-10	2.20E-11	3.25E-10	4.85E-11	1.80E-10	1.58E-11	2.44E-10	5.50E-12	3.15E-11	3.76E-12	4.07E-11	5.00E-12	1.65E-11	1.14E-12	2.26E-11
2613	471510.38	3818579.2	5.91E-11	2.48E-10	2.23E-11	3.30E-10	4.92E-11	1.82E-10	1.60E-11	2.48E-10	5.58E-12	3.19E-11	3.81E-12	4.13E-11	5.07E-12	1.67E-11	1.15E-12	2.30E-11
2614	471513.94	3818588.04	6.00E-11	2.52E-10	2.27E-11	3.34E-10	4.99E-11	1.85E-10	1.63E-11	2.51E-10	5.66E-12	3.24E-11	3.87E-12	4.19E-11	5.15E-12	1.70E-11	1.17E-12	2.33E-11
2615	471517.5	3818596.89	6.08E-11	2.55E-10	2.30E-11	3.39E-10	5.07E-11	1.88E-10	1.65E-11	2.55E-10	5.74E-12	3.29E-11	3.92E-12	4.26E-11	5.22E-12	1.72E-11	1.19E-12	2.36E-11
2616	471521.06	3818605.73	6.18E-11	2.59E-10	2.34E-11	3.44E-10	5.14E-11	1.91E-10	1.68E-11	2.59E-10	5.83E-12	3.34E-11	3.98E-12	4.32E-11	5.30E-12	1.75E-11	1.21E-12	2.40E-11
2617	471524.62	3818614.58	6.27E-11	2.63E-10	2.37E-11	3.50E-10	5.22E-11	1.93E-10	1.70E-11	2.63E-10	5.92E-12	3.39E-11	4.04E-12	4.39E-11	5.38E-12	1.77E-11	1.22E-12	2.44E-11
2618	471528.18	3818623.42	6.36E-11	2.67E-10	2.41E-11	3.55E-10	5.30E-11	1.96E-10	1.73E-11	2.67E-10	6.01E-12	3.44E-11	4.10E-12	4.45E-11	5.46E-12	1.80E-11	1.24E-12	2.47E-11
2619	471531.75	3818632.27	6.46E-11	2.71E-10	2.44E-11	3.60E-10	5.38E-11	1.99E-10	1.75E-11	2.71E-10	6.10E-12	3.49E-11	4.17E-12	4.52E-11	5.55E-12	1.83E-11	1.26E-12	2.51E-11
2620	471535.31	3818641.11	6.56E-11	2.76E-10	2.48E-11	3.66E-10	5.47E-11	2.02E-10	1.78E-11	2.75E-10	6.20E-12	3.55E-11	4.23E-12	4.59E-11	5.63E-12	1.86E-11	1.28E-12	2.55E-11
2621	471538.87	3818649.96	6.66E-11	2.80E-10	2.52E-11	3.72E-10	5.55E-11	2.06E-10	1.81E-11	2.79E-10	6.29E-12	3.60E-11	4.30E-12	4.66E-11	5.72E-12	1.89E-11	1.30E-12	2.59E-11
2622	471542.43	3818658.81	6.76E-11	2.84E-10	2.56E-11	3.77E-10	5.63E-11	2.09E-10	1.84E-11	2.83E-10	6.38E-12	3.65E-11	4.36E-12	4.73E-11	5.80E-12	1.91E-11	1.32E-12	2.63E-11
2623	471545.99	3818667.65	6.87E-11	2.88E-10	2.60E-11	3.83E-10	5.72E-11	2.12E-10	1.86E-11	2.88E-10	6.48E-12	3.71E-11	4.43E-12	4.80E-11	5.89E-12	1.94E-11	1.34E-12	2.67E-11
2624	471549.55	3818676.5	6.97E-11	2.93E-10	2.64E-11	3.89E-10	5.81E-11	2.15E-10	1.89E-11	2.92E-10	6.58E-12	3.77E-11	4.50E-12	4.88E-11	5.98E-12	1.97E-11	1.36E-12	2.71E-11
2625	471553.11	3818685.34	7.08E-11	2.97E-10	2.68E-11	3.95E-10	5.90E-11	2.19E-10	1.92E-11	2.97E-10	6.69E-12	3.83E-11	4.57E-12	4.95E-11	6.08E-12	2.00E-11	1.38E-12	2.75E-11
2626	471556.67	3818694.19	7.19E-11	3.02E-10	2.72E-11	4.01E-10	5.99E-11	2.22E-10	1.95E-11	3.01E-10	6.79E-12	3.89E-11	4.64E-12	5.03E-11	6.18E-12	2.04E-11	1.40E-12	2.79E-11
2627	471560.23	3818703.03	7.31E-11	3.07E-10	2.76E-11	4.08E-10	6.09E-11	2.25E-10	1.98E-11	3.06E-10	6.90E-12	3.95E-11	4.71E-12	5.11E-11	6.27E-12	2.07E-11	1.43E-12	2.84E-11
2628	471563.79	3818711.88	7.42E-11	3.12E-10	2.81E-11	4.14E-10	6.18E-11	2.29E-10	2.02E-11	3.11E-10	7.01E-12	4.01E-11	4.79E-12	5.19E-11	6.37E-12	2.10E-11	1.45E-12	2.88E-11
2629	471567.36	3818720.72	7.54E-11	3.17E-10	2.85E-11	4.21E-10	6.28E-11	2.33E-10	2.05E-11	3.16E-10	7.12E-12	4.08E-11	4.87E-12	5.28E-11	6.48E-12	2.14E-11	1.47E-12	2.93E-11
2630	471570.92	3818729.57	7.66E-11	3.22E-10	2.90E-11	4.27E-10	6.38E-11	2.36E-10	2.08E-11	3.21E-10	7.23E-12	4.14E-11	4.94E-12	5.36E-11	6.58E-12	2.17E-11	1.49E-12	2.98E-11
2631	471574.48	3818738.41	7.79E-11	3.27E-10	2.94E-11	4.34E-10	6.48E-11	2.40E-10	2.11E-11	3.26E-10	7.35E-12	4.21E-11	5.02E-12	5.45E-11	6.68E-12	2.20E-11	1.52E-12	3.02E-11
2632	471578.04	3818747.26	7.91E-11	3.32E-10	2.99E-11	4.41E-10	6.59E-11	2.44E-10	2.15E-11	3.31E-10	7.47E-12	4.28E-11	5.10E-12	5.53E-11	6.79E-12	2.24E-11	1.54E-12	3.07E-11
2633	471581.6	3818756.1	8.04E-11	3.38E-10	3.04E-11	4.48E-10	6.70E-11	2.48E-10	2.18E-11	3.37E-10	7.59E-12	4.35E-11	5.19E-12	5.62E-11	6.90E-12	2.28E-11	1.57E-12	3.12E-11
2634	471585.16	3818764.95	8.16E-11	3.43E-10	3.09E-11	4.55E-10	6.80E-11	2.52E-10	2.22E-11	3.42E-10	7.71E-12	4.41E-11	5.27E-12	5.71E-11	7.01E-12	2.31E-11	1.59E-12	3.17E-11
2635	471588.72	3818773.79	8.30E-11	3.49E-10	3.14E-11	4.63E-10	6.91E-11	2.56E-10	2.25E-11	3.48E-10	7.84E-12	4.49E-11	5.35E-12	5.81E-11	7.13E-12	2.35E-11	1.62E-12	3.22E-11
2636	471592.28	3818782.64	8.43E-11	3.54E-10	3.19E-11	4.70E-10	7.02E-11	2.60E-10	2.29E-11	3.53E-10	7.96E-12	4.56E-11	5.44E-12	5.90E-11	7.24E-12	2.39E-11	1.65E-12	3.27E-11
2637	471595.84	3818791.48	8.57E-11	3.60E-10	3.24E-11	4.78E-10	7.14E-11	2.64E-10	2.33E-11	3.59E-10	8.09E-12	4.63E-11	5.53E-12	5.99E-11	7.36E-12	2.43E-11	1.67E-12	3.33E-11
2638	471599.4	3818800.33	8.70E-11	3.66E-10	3.29E-11	4.86E-10	7.25E-11	2.69E-10	2.36E-11	3.65E-10	8.22E-12	4.71E-11	5.61E-12	6.09E-11	7.47E-12	2.46E-11	1.70E-12	3.38E-11
2639	471602.97	3818809.17	8.85E-11	3.72E-10	3.35E-11	4.93E-10	7.37E-11	2.73E-10	2.40E-11	3.71E-10	8.36E-12	4.78E-11	5.71E-12	6.19E-11	7.60E-12	2.50E-11	1.73E-12	3.44E-11
2640	471606.53	3818818.02	8.99E-11	3.78E-10	3.40E-11	5.01E-10	7.49E-11	2.77E-10	2.44E-11	3.77E-10	8.49E-12	4.86E-11	5.80E-12	6.29E-11	7.72E-12	2.54E-11	1.75E-12	3.49E-11
2641	471610.09	3818826.86	9.13E-11	3.84E-10	3.45E-11	5.09E-10	7.61E-11	2.82E-10	2.48E-11	3.83E-10	8.62E-12	4.94E-11	5.89E-12	6.39E-11	7.84E-12	2.59E-11	1.78E-12	3.55E-11
2642	471620.77	3818853.4	9.57E-11	4.02E-10	3.62E-11	5.34E-10	7.98E-11	2.95E-10	2.60E-11	4.01E-10	9.04E-12	5.18E-11	6.18E-12	6.70E-11	8.22E-12	2.71E-11	1.87E-12	3.72E-11
2643	471624.33	3818862.24	9.73E-11	4.09E-10	3.68E-11	5.43E-10	8.10E-11	3.00E-10	2.64E-11	4.08E-10	9.19E-12	5.26E-11	6.28E-12	6.81E-11	8.35E-12	2.75E-11	1.90E-12	3.78E-11
2644	471627.89	3818871.09	9.88E-11	4.15E-10	3.74E-11	5.51E-10	8.23E-11	3.05E-10	2.68E-11	4.14E-10	9.33E-12	5.34E-11	6.37E-12	6.91E-11	8.48E-12	2.80E-11	1.93E-12	3.84E-11
2645	471631.45	3818879.93	1.00E-10	4.21E-10	3.79E-11	5.60E-10	8.36E-11	3.10E-10	2.72E-11	4.20E-10	9.48E-12	5.42E-11	6.47E-12	7.02E-11	8.61E-12	2.84E-11	1.96E-12	3.90E-11
2646	471635.01	3818888.78	1.02E-10	4.28E-10	3.85E-11	5.68E-10	8.49E-11	3.14E-10	2.77E-11	4.27E-10	9.62E-12	5.51E-11	6.57E-12	7.13E-11	8.75E-12	2.88E-11	1.99E-12	3.96E-11

2647	471638.58	3818897.62	1.03E-10	4.34E-10	3.91E-11	5.77E-10	8.62E-11	3.19E-10	2.81E-11	4.33E-10	9.77E-12	5.59E-11	6.67E-12	7.24E-11	8.88E-12	2.93E-11	2.02E-12	4.02E-11
2648	471642.14	3818906.47	1.05E-10	4.41E-10	3.97E-11	5.86E-10	8.75E-11	3.24E-10	2.85E-11	4.40E-10	9.92E-12	5.68E-11	6.77E-12	7.35E-11	9.01E-12	2.97E-11	2.05E-12	4.08E-11
2649	471645.7	3818915.31	1.07E-10	4.48E-10	4.03E-11	5.95E-10	8.88E-11	3.29E-10	2.89E-11	4.47E-10	1.01E-11	5.76E-11	6.88E-12	7.46E-11	9.15E-12	3.02E-11	2.08E-12	4.14E-11
2650	471649.26	3818924.16	1.08E-10	4.54E-10	4.09E-11	6.03E-10	9.01E-11	3.34E-10	2.94E-11	4.53E-10	1.02E-11	5.85E-11	6.98E-12	7.57E-11	9.29E-12	3.06E-11	2.11E-12	4.20E-11
2651	471652.82	3818933.01	1.10E-10	4.61E-10	4.15E-11	6.12E-10	9.14E-11	3.39E-10	2.98E-11	4.60E-10	1.04E-11	5.94E-11	7.08E-12	7.68E-11	9.43E-12	3.11E-11	2.14E-12	4.26E-11
2652	471659.94	3818950.7	1.13E-10	4.74E-10	4.27E-11	6.30E-10	9.41E-11	3.49E-10	3.07E-11	4.73E-10	1.07E-11	6.11E-11	7.29E-12	7.90E-11	9.70E-12	3.20E-11	2.20E-12	4.39E-11
2653	471663.5	3818959.54	1.15E-10	4.81E-10	4.33E-11	6.39E-10	9.54E-11	3.53E-10	3.11E-11	4.80E-10	1.08E-11	6.19E-11	7.39E-12	8.01E-11	9.83E-12	3.24E-11	2.23E-12	4.45E-11
2654	471667.06	3818968.39	1.16E-10	4.88E-10	4.39E-11	6.48E-10	9.67E-11	3.58E-10	3.15E-11	4.87E-10	1.10E-11	6.28E-11	7.49E-12	8.12E-11	9.97E-12	3.29E-11	2.27E-12	4.51E-11
2655	471670.62	3818977.23	1.18E-10	4.94E-10	4.45E-11	6.56E-10	9.80E-11	3.63E-10	3.19E-11	4.93E-10	1.11E-11	6.36E-11	7.59E-12	8.23E-11	1.01E-11	3.33E-11	2.30E-12	4.57E-11
2656	471674.19	3818986.08	1.19E-10	5.01E-10	4.51E-11	6.65E-10	9.94E-11	3.68E-10	3.24E-11	5.00E-10	1.13E-11	6.45E-11	7.69E-12	8.35E-11	1.02E-11	3.38E-11	2.33E-12	4.63E-11
2657	471677.75	3818994.92	1.21E-10	5.08E-10	4.57E-11	6.74E-10	1.01E-10	3.73E-10	3.28E-11	5.06E-10	1.14E-11	6.53E-11	7.79E-12	8.45E-11	1.04E-11	3.42E-11	2.36E-12	4.69E-11
2658	471681.31	3819003.77	1.22E-10	5.14E-10	4.63E-11	6.83E-10	1.02E-10	3.78E-10	3.32E-11	5.13E-10	1.16E-11	6.62E-11	7.90E-12	8.56E-11	1.05E-11	3.46E-11	2.39E-12	4.75E-11
2659	471684.87	3819012.61	1.24E-10	5.21E-10	4.69E-11	6.91E-10	1.03E-10	3.83E-10	3.36E-11	5.19E-10	1.17E-11	6.70E-11	8.00E-12	8.67E-11	1.06E-11	3.51E-11	2.42E-12	4.81E-11
2660	471688.43	3819021.46	1.25E-10	5.27E-10	4.74E-11	7.00E-10	1.04E-10	3.87E-10	3.41E-11	5.26E-10	1.18E-11	6.78E-11	8.09E-12	8.78E-11	1.08E-11	3.55E-11	2.45E-12	4.87E-11
2661	471691.99	3819030.3	1.27E-10	5.33E-10	4.80E-11	7.08E-10	1.06E-10	3.92E-10	3.45E-11	5.32E-10	1.20E-11	6.87E-11	8.19E-12	8.88E-11	1.09E-11	3.59E-11	2.48E-12	4.93E-11
2662	471702.67	3819056.84	1.31E-10	5.52E-10	4.97E-11	7.33E-10	1.09E-10	4.05E-10	3.57E-11	5.50E-10	1.24E-11	7.10E-11	8.47E-12	9.19E-11	1.13E-11	3.72E-11	2.56E-12	5.10E-11
2663	471706.23	3819065.68	1.33E-10	5.58E-10	5.02E-11	7.41E-10	1.11E-10	4.10E-10	3.60E-11	5.56E-10	1.25E-11	7.18E-11	8.56E-12	9.29E-11	1.14E-11	3.76E-11	2.59E-12	5.16E-11
2664	471709.79	3819074.53	1.34E-10	5.64E-10	5.08E-11	7.49E-10	1.12E-10	4.14E-10	3.64E-11	5.62E-10	1.27E-11	7.26E-11	8.66E-12	9.39E-11	1.15E-11	3.80E-11	2.62E-12	5.21E-11
2665	471713.36	3819083.37	1.36E-10	5.69E-10	5.13E-11	7.56E-10	1.13E-10	4.18E-10	3.68E-11	5.68E-10	1.28E-11	7.33E-11	8.74E-12	9.48E-11	1.16E-11	3.84E-11	2.65E-12	5.27E-11
2666	471716.92	3819092.22	1.37E-10	5.75E-10	5.18E-11	7.63E-10	1.14E-10	4.22E-10	3.72E-11	5.74E-10	1.29E-11	7.40E-11	8.83E-12	9.58E-11	1.18E-11	3.87E-11	2.67E-12	5.32E-11
2667	471720.48	3819101.06	1.38E-10	5.80E-10	5.23E-11	7.71E-10	1.15E-10	4.26E-10	3.75E-11	5.79E-10	1.30E-11	7.47E-11	8.91E-12	9.67E-11	1.19E-11	3.91E-11	2.70E-12	5.37E-11
2668	471724.04	3819109.91	1.39E-10	5.86E-10	5.28E-11	7.78E-10	1.16E-10	4.30E-10	3.79E-11	5.84E-10	1.32E-11	7.54E-11	9.00E-12	9.76E-11	1.20E-11	3.95E-11	2.72E-12	5.42E-11
2669	471727.6	3819118.75	1.41E-10	5.91E-10	5.32E-11	7.85E-10	1.17E-10	4.34E-10	3.82E-11	5.90E-10	1.33E-11	7.61E-11	9.08E-12	9.84E-11	1.21E-11	3.98E-11	2.75E-12	5.47E-11
2670	471731.16	3819127.6	1.42E-10	5.96E-10	5.37E-11	7.92E-10	1.18E-10	4.38E-10	3.85E-11	5.95E-10	1.34E-11	7.67E-11	9.15E-12	9.93E-11	1.22E-11	4.02E-11	2.77E-12	5.51E-11
2671	471741.84	3819154.13	1.45E-10	6.10E-10	5.50E-11	8.11E-10	1.21E-10	4.48E-10	3.95E-11	6.09E-10	1.37E-11	7.86E-11	9.37E-12	1.02E-10	1.25E-11	4.11E-11	2.84E-12	5.64E-11
2672	471745.4	3819162.98	1.46E-10	6.14E-10	5.53E-11	8.16E-10	1.22E-10	4.52E-10	3.97E-11	6.13E-10	1.38E-11	7.91E-11	9.44E-12	1.02E-10	1.26E-11	4.14E-11	2.86E-12	5.68E-11
2673	471748.97	3819171.82	1.47E-10	6.19E-10	5.57E-11	8.22E-10	1.23E-10	4.55E-10	4.00E-11	6.17E-10	1.39E-11	7.96E-11	9.50E-12	1.03E-10	1.26E-11	4.17E-11	2.87E-12	5.72E-11
2674	471752.53	3819180.67	1.48E-10	6.23E-10	5.61E-11	8.27E-10	1.24E-10	4.58E-10	4.03E-11	6.21E-10	1.40E-11	8.02E-11	9.57E-12	1.04E-10	1.27E-11	4.20E-11	2.89E-12	5.76E-11
2675	471756.09	3819189.51	1.49E-10	6.27E-10	5.64E-11	8.32E-10	1.24E-10	4.61E-10	4.05E-11	6.25E-10	1.41E-11	8.07E-11	9.63E-12	1.04E-10	1.28E-11	4.22E-11	2.91E-12	5.80E-11
2676	471759.65	3819198.36	1.50E-10	6.30E-10	5.68E-11	8.37E-10	1.25E-10	4.63E-10	4.07E-11	6.29E-10	1.42E-11	8.12E-11	9.68E-12	1.05E-10	1.29E-11	4.25E-11	2.93E-12	5.83E-11
2677	471763.21	3819207.21	1.51E-10	6.34E-10	5.71E-11	8.42E-10	1.26E-10	4.66E-10	4.10E-11	6.33E-10	1.43E-11	8.16E-11	9.74E-12	1.06E-10	1.30E-11	4.27E-11	2.95E-12	5.86E-11
2678	471766.77	3819216.05	1.52E-10	6.37E-10	5.74E-11	8.46E-10	1.26E-10	4.68E-10	4.12E-11	6.36E-10	1.43E-11	8.20E-11	9.79E-12	1.06E-10	1.30E-11	4.29E-11	2.96E-12	5.89E-11
2679	471770.33	3819224.9	1.53E-10	6.41E-10	5.77E-11	8.51E-10	1.27E-10	4.71E-10	4.14E-11	6.39E-10	1.44E-11	8.25E-11	9.84E-12	1.07E-10	1.31E-11	4.32E-11	2.98E-12	5.92E-11
2680	470302.24	3817738.72	8.80E-11	3.69E-10	3.33E-11	4.91E-10	7.33E-11	2.71E-10	2.39E-11	3.69E-10	8.31E-12	4.76E-11	5.67E-12	6.15E-11	7.55E-12	2.49E-11	1.72E-12	3.42E-11
2681	470292.68	3817738.58	8.93E-11	3.75E-10	3.38E-11	4.98E-10	7.44E-11	2.76E-10	2.42E-11	3.74E-10	8.43E-12	4.83E-11	5.76E-12	6.25E-11	7.66E-12	2.53E-11	1.74E-12	3.47E-11
2682	470283.12	3817738.45	9.05E-11	3.80E-10	3.42E-11	5.05E-10	7.54E-11	2.79E-10	2.46E-11	3.79E-10	8.54E-12	4.89E-11	5.84E-12	6.33E-11	7.77E-12	2.56E-11	1.77E-12	3.51E-11
2683	470273.56	3817738.31	9.17E-11	3.85E-10	3.47E-11	5.12E-10	7.64E-11	2.83E-10	2.49E-11	3.84E-10	8.66E-12	4.96E-11	5.92E-12	6.42E-11	7.87E-12	2.60E-11	1.79E-12	3.56E-11
2684	470264	3817738.18	9.29E-11	3.90E-10	3.51E-11	5.18E-10	7.74E-11	2.87E-10	2.52E-11	3.89E-10	8.77E-12	5.02E-11	5.99E-12	6.50E-11	7.97E-12	2.63E-11	1.81E-12	3.61E-11
2685	470254.43	3817738.04	9.41E-11	3.95E-10	3.56E-11	5.25E-10	7.84E-11	2.90E-10	2.56E-11	3.94E-10	8.89E-12	5.09E-11	6.07E-12	6.58E-11	8.08E-12	2.66E-11	1.84E-12	3.66E-11
2686	470244.87	3817737.91	9.53E-11	4.00E-10	3.60E-11	5.32E-10	7.94E-11	2.94E-10	2.59E-11	3.99E-10	9.00E-12	5.15E-11	6.15E-12	6.67E-11	8.18E-12	2.70E-11	1.86E-12	3.70E-11
2687	470235.31	3817737.77	9.65E-11	4.05E-10	3.65E-11	5.38E-10	8.04E-11	2.98E-10	2.62E-11	4.04E-10	9.11E-12	5.22E-11	6.22E-12	6.75E-11	8.28E-12	2.73E-11	1.88E-12	3.75E-11
2688	470225.75	3817737.64	9.76E-11	4.10E-10	3.69E-11	5.44E-10	8.13E-11	3.01E-10	2.65E-11	4.09E-10	9.22E-12	5.28E-11	6.30E-12	6.83E-11	8.38E-12	2.76E-11	1.90E-12	3.79E-11
2689	470216.18	3817737.5	9.87E-11	4.15E-10	3.73E-11	5.51E-10	8.22E-11	3.05E-10	2.68E-11	4.14E-10	9.32E-12	5.34E-11	6.37E-12	6.91E-11	8.48E-12	2.79E-11	1.93E-12	3.83E-11
2690	470206.62	3817737.37	9.97E-11	4.19E-10	3.77E-11	5.56E-10	8.31E-11	3.08E-10	2.71E-11	4.18E-10	9.42E-12	5.39E-11	6.43E-12	6.98E-11	8.56E-12	2.82E-11	1.95E-12	3.87E-11
2691	470197.06	3817737.23	1.01E-10	4.23E-10	3.81E-11	5.61E-10	8.38E-11	3.11E-10	2.73E-11	4.22E-10	9.50E-12	5.44E-11	6.49E-12	7.04E-11	8.64E-12	2.85E-11	1.96E-12	3.91E-11
2692	470187.5	3817737.1	1.02E-10	4.26E-10	3.84E-11	5.66E-10	8.46E-11	3.13E-10	2.76E-11	4.25E-10	9.59E-12	5.49E-11	6.55E-12	7.10E-11	8.72E-12	2.87E-11	1.98E-12	3.94E-11
2693	470177.94	3817736.96	1.02E-10	4.29E-10	3.87E-11	5.70E-10	8.52E-11	3.16E-10	2.78E-11	4.29E-10	9.66E-12	5.53E-11	6.60E-12	7.15E-11	8.78E-12	2.89E-11	2.00E-12	3.97E-11
2694	470168.37	3817736.83	1.03E-10	4.32E-10	3.89E-11	5.74E-10	8.58E-11	3.18E-10	2.79E-11	4.31E-10	9.72E-12	5.57E-11	6.64E-12	7.20E-11	8.84E-12	2.91E-11	2.01E-12	4.00E-11
2695	470158.81	3817736.69	1.04E-10	4.35E-10	3.92E-11	5.78E-10	8.63E-11	3.20E-10	2.81E-11	4.34E-10	9.78E-12	5.60E-11	6.68E-12	7.25E-11	8.89E-12	2.93E-11	2.02E-12	4.02E-11
2696	470095.19	3819211.76	1.10E-08	4.60E-08	4.14E-09	6.11E-08	9.13E-09	3.38E-08	2.97E-09	4.59E-08	1.03E-09	5.92E-09	7.07E-10	7.67E-09	9.41E-10	3.10E-09	2.14E-10	4.26E-09

2697	470088.24	3819204.57	9.19E-09	3.86E-08	3.47E-09	5.12E-08	7.65E-09	2.83E-08	2.49E-09	3.85E-08	8.67E-10	4.97E-09	5.93E-10	6.43E-09	7.89E-10	2.60E-09	1.79E-10	3.57E-09
2698	470070.39	3819208.92	7.16E-09	3.01E-08	2.71E-09	4.00E-08	5.97E-09	2.21E-08	1.94E-09	3.00E-08	6.76E-10	3.87E-09	4.62E-10	5.01E-09	6.15E-10	2.03E-09	1.40E-10	2.78E-09
2699	470083.07	3819196.68	8.00E-09	3.36E-08	3.03E-09	4.46E-08	6.67E-09	2.47E-08	2.17E-09	3.35E-08	7.56E-10	4.33E-09	5.16E-10	5.60E-09	6.87E-10	2.27E-09	1.56E-10	3.11E-09
2700	470091.93	3819193.17	8.82E-09	3.70E-08	3.33E-09	4.92E-08	7.34E-09	2.72E-08	2.39E-09	3.69E-08	8.33E-10	4.77E-09	5.69E-10	6.17E-09	7.57E-10	2.50E-09	1.72E-10	3.43E-09
2701	470100.79	3819189.66	9.61E-09	4.03E-08	3.63E-09	5.36E-08	8.00E-09	2.96E-08	2.61E-09	4.03E-08	9.07E-10	5.19E-09	6.20E-10	6.72E-09	8.25E-10	2.72E-09	1.87E-10	3.73E-09
2702	470059.94	3819209.77	6.16E-09	2.58E-08	2.33E-09	3.43E-08	5.13E-09	1.90E-08	1.67E-09	2.58E-08	5.81E-10	3.33E-09	3.97E-10	4.31E-09	5.28E-10	1.74E-09	1.20E-10	2.39E-09
2703	470063.6	3819201.38	6.24E-09	2.62E-08	2.36E-09	3.48E-08	5.20E-09	1.93E-08	1.69E-09	2.62E-08	5.89E-10	3.37E-09	4.03E-10	4.37E-09	5.36E-10	1.77E-09	1.22E-10	2.42E-09
2704	470075.76	3819189.63	6.89E-09	2.90E-08	2.61E-09	3.85E-08	5.74E-09	2.13E-08	1.87E-09	2.89E-08	6.51E-10	3.73E-09	4.45E-10	4.82E-09	5.92E-10	1.95E-09	1.35E-10	2.68E-09
2705	470084.27	3819186.26	7.52E-09	3.16E-08	2.85E-09	4.20E-08	6.27E-09	2.32E-08	2.04E-09	3.15E-08	7.10E-10	4.07E-09	4.85E-10	5.26E-09	6.46E-10	2.13E-09	1.47E-10	2.92E-09
2706	470092.78	3819182.89	8.15E-09	3.42E-08	3.08E-09	4.54E-08	6.79E-09	2.51E-08	2.21E-09	3.41E-08	7.69E-10	4.40E-09	5.25E-10	5.70E-09	6.99E-10	2.31E-09	1.59E-10	3.16E-09
2707	470101.29	3819179.52	8.73E-09	3.67E-08	3.30E-09	4.87E-08	7.27E-09	2.69E-08	2.37E-09	3.66E-08	8.24E-10	4.72E-09	5.63E-10	6.11E-09	7.50E-10	2.47E-09	1.70E-10	3.39E-09
2708	470049.63	3819210.27	5.33E-09	2.24E-08	2.02E-09	2.97E-08	4.44E-09	1.64E-08	1.45E-09	2.23E-08	5.03E-10	2.88E-09	3.44E-10	3.73E-09	4.57E-10	1.51E-09	1.04E-10	2.07E-09
2709	470056.75	3819193.96	5.50E-09	2.31E-08	2.08E-09	3.07E-08	4.58E-09	1.70E-08	1.49E-09	2.30E-08	5.19E-10	2.97E-09	3.54E-10	3.84E-09	4.72E-10	1.56E-09	1.07E-10	2.13E-09
2710	470068.58	3819182.53	6.02E-09	2.53E-08	2.28E-09	3.36E-08	5.01E-09	1.86E-08	1.63E-09	2.52E-08	5.68E-10	3.25E-09	3.88E-10	4.21E-09	5.17E-10	1.70E-09	1.17E-10	2.34E-09
2711	470085.12	3819175.98	7.02E-09	2.95E-08	2.66E-09	3.92E-08	5.85E-09	2.17E-08	1.91E-09	2.94E-08	6.63E-10	3.80E-09	4.53E-10	4.91E-09	6.03E-10	1.99E-09	1.37E-10	2.73E-09
2712	470039.42	3819210.57	4.64E-09	1.95E-08	1.76E-09	2.59E-08	3.87E-09	1.43E-08	1.26E-09	1.95E-08	4.39E-10	2.51E-09	3.00E-10	3.25E-09	3.99E-10	1.31E-09	9.06E-11	1.80E-09
2713	470046.39	3819194.59	4.82E-09	2.03E-08	1.82E-09	2.69E-08	4.02E-09	1.49E-08	1.31E-09	2.02E-08	4.55E-10	2.61E-09	3.11E-10	3.37E-09	4.14E-10	1.37E-09	9.41E-11	1.87E-09
2714	470061.46	3819175.4	5.31E-09	2.23E-08	2.01E-09	2.96E-08	4.42E-09	1.64E-08	1.44E-09	2.23E-08	5.01E-10	2.87E-09	3.43E-10	3.71E-09	4.56E-10	1.50E-09	1.04E-10	2.06E-09
2715	470077.67	3819168.99	6.13E-09	2.58E-08	2.32E-09	3.42E-08	5.11E-09	1.89E-08	1.66E-09	2.57E-08	5.79E-10	3.31E-09	3.95E-10	4.29E-09	5.26E-10	1.74E-09	1.20E-10	2.38E-09
2716	470093.87	3819162.57	6.91E-09	2.90E-08	2.61E-09	3.85E-08	5.75E-09	2.13E-08	1.88E-09	2.89E-08	6.52E-10	3.73E-09	4.46E-10	4.83E-09	5.93E-10	1.96E-09	1.35E-10	2.68E-09
2717	470029.26	3819210.75	4.07E-09	1.71E-08	1.54E-09	2.27E-08	3.39E-09	1.26E-08	1.11E-09	1.71E-08	3.85E-10	2.20E-09	2.63E-10	2.85E-09	3.50E-10	1.15E-09	7.95E-11	1.58E-09
2718	470036.12	3819195.02	4.25E-09	1.78E-08	1.61E-09	2.37E-08	3.54E-09	1.31E-08	1.15E-09	1.78E-08	4.01E-10	2.30E-09	2.74E-10	2.97E-09	3.65E-10	1.20E-09	8.29E-11	1.65E-09
2719	470042.98	3819179.29	4.37E-09	1.83E-08	1.65E-09	2.44E-08	3.64E-09	1.35E-08	1.19E-09	1.83E-08	4.12E-10	2.36E-09	2.82E-10	3.05E-09	3.75E-10	1.24E-09	8.52E-11	1.70E-09
2720	470054.38	3819168.26	4.73E-09	1.98E-08	1.79E-09	2.64E-08	3.94E-09	1.46E-08	1.28E-09	1.98E-08	4.46E-10	2.55E-09	3.05E-10	3.31E-09	4.06E-10	1.34E-09	9.22E-11	1.84E-09
2721	470070.34	3819161.95	5.41E-09	2.27E-08	2.04E-09	3.02E-08	4.50E-09	1.67E-08	1.47E-09	2.27E-08	5.11E-10	2.92E-09	3.49E-10	3.78E-09	4.64E-10	1.53E-09	1.06E-10	2.10E-09
2722	470086.29	3819155.63	6.07E-09	2.55E-08	2.29E-09	3.38E-08	5.05E-09	1.87E-08	1.65E-09	2.54E-08	5.73E-10	3.28E-09	3.91E-10	4.24E-09	5.21E-10	1.72E-09	1.18E-10	2.36E-09
2723	470020.4	3819207.92	3.63E-09	1.52E-08	1.37E-09	2.02E-08	3.02E-09	1.12E-08	9.84E-10	1.52E-08	3.42E-10	1.96E-09	2.34E-10	2.54E-09	3.11E-10	1.03E-09	7.07E-11	1.41E-09
2724	470024.21	3819199.19	3.72E-09	1.56E-08	1.41E-09	2.08E-08	3.10E-09	1.15E-08	1.01E-09	1.56E-08	3.51E-10	2.01E-09	2.40E-10	2.60E-09	3.19E-10	1.05E-09	7.26E-11	1.45E-09
2725	470028.02	3819190.45	3.81E-09	1.60E-08	1.44E-09	2.12E-08	3.17E-09	1.17E-08	1.03E-09	1.60E-08	3.59E-10	2.06E-09	2.46E-10	2.66E-09	3.27E-10	1.08E-09	7.43E-11	1.48E-09
2726	470031.83	3819181.71	3.88E-09	1.63E-08	1.47E-09	2.16E-08	3.23E-09	1.20E-08	1.05E-09	1.62E-08	3.66E-10	2.10E-09	2.50E-10	2.71E-09	3.33E-10	1.10E-09	7.56E-11	1.51E-09
2727	470035.65	3819172.97	3.93E-09	1.65E-08	1.49E-09	2.19E-08	3.27E-09	1.21E-08	1.07E-09	1.65E-08	3.71E-10	2.12E-09	2.53E-10	2.75E-09	3.37E-10	1.11E-09	7.66E-11	1.53E-09
2728	470048.32	3819160.72	4.26E-09	1.79E-08	1.61E-09	2.38E-08	3.55E-09	1.32E-08	1.16E-09	1.79E-08	4.03E-10	2.31E-09	2.75E-10	2.98E-09	3.66E-10	1.21E-09	8.32E-11	1.66E-09
2729	470057.18	3819157.21	4.59E-09	1.93E-08	1.73E-09	2.56E-08	3.82E-09	1.42E-08	1.24E-09	1.92E-08	4.33E-10	2.48E-09	2.96E-10	3.21E-09	3.94E-10	1.30E-09	8.95E-11	1.78E-09
2730	470066.05	3819153.7	4.91E-09	2.06E-08	1.86E-09	2.74E-08	4.09E-09	1.52E-08	1.33E-09	2.06E-08	4.64E-10	2.66E-09	3.17E-10	3.44E-09	4.22E-10	1.39E-09	9.58E-11	1.91E-09
2731	470074.91	3819150.19	5.23E-09	2.20E-08	1.98E-09	2.92E-08	4.36E-09	1.62E-08	1.42E-09	2.19E-08	4.94E-10	2.83E-09	3.38E-10	3.66E-09	4.49E-10	1.48E-09	1.02E-10	2.03E-09
2732	470083.77	3819146.68	5.54E-09	2.33E-08	2.09E-09	3.09E-08	4.61E-09	1.71E-08	1.50E-09	2.32E-08	5.23E-10	2.99E-09	3.57E-10	3.87E-09	4.76E-10	1.57E-09	1.08E-10	2.15E-09
2733	470092.64	3819143.17	5.82E-09	2.44E-08	2.20E-09	3.24E-08	4.84E-09	1.79E-08	1.58E-09	2.44E-08	5.49E-10	3.14E-09	3.75E-10	4.07E-09	4.99E-10	1.65E-09	1.13E-10	2.26E-09
2734	470101.5	3819139.66	6.06E-09	2.54E-08	2.29E-09	3.38E-08	5.04E-09	1.87E-08	1.64E-09	2.54E-08	5.72E-10	3.27E-09	3.91E-10	4.24E-09	5.20E-10	1.71E-09	1.18E-10	2.35E-09
2735	469999.95	3819208.57	2.86E-09	1.20E-08	1.08E-09	1.60E-08	2.38E-09	8.83E-09	7.76E-10	1.20E-08	2.70E-10	1.55E-09	1.84E-10	2.00E-09	2.46E-10	8.10E-10	5.58E-11	1.11E-09
2736	470003.61	3819200.18	2.94E-09	1.24E-08	1.11E-09	1.64E-08	2.45E-09	9.08E-09	7.98E-10	1.23E-08	2.78E-10	1.59E-09	1.90E-10	2.06E-09	2.52E-10	8.33E-10	5.74E-11	1.14E-09
2737	470007.27	3819191.79	3.02E-09	1.27E-08	1.14E-09	1.68E-08	2.51E-09	9.32E-09	8.19E-10	1.26E-08	2.85E-10	1.63E-09	1.95E-10	2.11E-09	2.59E-10	8.54E-10	5.89E-11	1.17E-09
2738	470010.92	3819183.41	3.09E-09	1.30E-08	1.17E-09	1.72E-08	2.57E-09	9.53E-09	8.39E-10	1.29E-08	2.92E-10	1.67E-09	1.99E-10	2.16E-09	2.65E-10	8.74E-10	6.03E-11	1.20E-09
2739	470014.58	3819175.02	3.15E-09	1.32E-08	1.19E-09	1.76E-08	2.62E-09	9.72E-09	8.55E-10	1.32E-08	2.97E-10	1.70E-09	2.03E-10	2.20E-09	2.70E-10	8.92E-10	6.15E-11	1.22E-09
2740	470018.24	3819166.63	3.20E-09	1.34E-08	1.21E-09	1.78E-08	2.67E-09	9.87E-09	8.69E-10	1.34E-08	3.02E-10	1.73E-09	2.06E-10	2.24E-09	2.75E-10	9.06E-10	6.24E-11	1.24E-09
2741	470021.9	3819158.24	3.23E-09	1.36E-08	1.22E-09	1.80E-08	2.69E-09	9.96E-09	8.76E-10	1.35E-08	3.05E-10	1.74E-09	2.08E-10	2.26E-09	2.77E-10	9.14E-10	6.30E-11	1.25E-09
2742	470034.07	3819146.48	3.47E-09	1.46E-08	1.31E-09	1.93E-08	2.89E-09	1.07E-08	9.41E-10	1.45E-08	3.27E-10	1.87E-09	2.24E-10	2.42E-09	2.98E-10	9.81E-10	6.76E-11	1.35E-09
2743	470042.58	3819143.11	3.69E-09	1.55E-08	1.40E-09	2.06E-08	3.08E-09	1.14E-08	1.00E-09	1.55E-08	3.49E-10	2.00E-09	2.38E-10	2.58E-09	3.17E-10	1.05E-09	7.21E-11	1.43E-09
2744	470051.08	3819139.74	3.92E-09	1.65E-08	1.48E-09	2.19E-08	3.27E-09	1.21E-08	1.07E-09	1.64E-08	3.71E-10	2.12E-09	2.53E-10	2.75E-09	3.37E-10	1.11E-09	7.66E-11	1.52E-09
2745	470059.59	3819136.37	4.16E-09	1.75E-08	1.57E-09	2.32E-08	3.47E-09	1.28E-08	1.13E-09	1.74E-08	3.93E-10	2.25E-09	2.68E-10	2.91E-09	3.57E-10	1.18E-09	8.12E-11	1.62E-09
2746	470068.1	3819133	4.39E-09	1.85E-08	1.66E-09	2.45E-08	3.66E-09	1.36E-08	1.19E-09	1.84E-08	4.15E-10	2.38E-09	2.83E-10	3.07E-09	3.77E-10	1.24E-09	8.57E-11	1.71E-09

2747	470076.61	3819129.63	4.61E-09	1.94E-08	1.74E-09	2.57E-08	3.84E-09	1.42E-08	1.25E-09	1.93E-08	4.35E-10	2.49E-09	2.97E-10	3.23E-09	3.96E-10	1.31E-09	9.00E-11	1.79E-09
2748	470085.12	3819126.26	4.81E-09	2.02E-08	1.82E-09	2.68E-08	4.01E-09	1.48E-08	1.31E-09	2.01E-08	4.54E-10	2.60E-09	3.10E-10	3.36E-09	4.13E-10	1.36E-09	9.38E-11	1.87E-09
2749	470093.63	3819122.89	4.98E-09	2.09E-08	1.89E-09	2.78E-08	4.15E-09	1.54E-08	1.35E-09	2.09E-08	4.71E-10	2.69E-09	3.21E-10	3.49E-09	4.28E-10	1.41E-09	9.73E-11	1.94E-09
2750	470102.14	3819119.52	5.14E-09	2.16E-08	1.94E-09	2.86E-08	4.28E-09	1.58E-08	1.39E-09	2.15E-08	4.85E-10	2.78E-09	3.31E-10	3.59E-09	4.41E-10	1.45E-09	1.00E-10	2.00E-09
2751	469979.65	3819208.87	2.30E-09	9.65E-09	8.69E-10	1.28E-08	1.91E-09	7.09E-09	6.24E-10	9.63E-09	2.17E-10	1.24E-09	1.48E-10	1.61E-09	1.97E-10	6.50E-10	4.48E-11	8.92E-10
2752	469986.76	3819192.56	2.43E-09	1.02E-08	9.19E-10	1.36E-08	2.02E-09	7.50E-09	6.60E-10	1.02E-08	2.29E-10	1.31E-09	1.57E-10	1.70E-09	2.09E-10	6.88E-10	4.74E-11	9.44E-10
2753	469993.88	3819176.25	2.55E-09	1.07E-08	9.65E-10	1.42E-08	2.13E-09	7.87E-09	6.93E-10	1.07E-08	2.41E-10	1.38E-09	1.65E-10	1.79E-09	2.19E-10	7.22E-10	4.98E-11	9.91E-10
2754	470000.99	3819159.94	2.64E-09	1.11E-08	1.00E-09	1.48E-08	2.20E-09	8.16E-09	7.18E-10	1.11E-08	2.50E-10	1.43E-09	1.71E-10	1.85E-09	2.27E-10	7.49E-10	5.16E-11	1.03E-09
2755	470008.1	3819143.63	2.70E-09	1.13E-08	1.02E-09	1.50E-08	2.25E-09	8.32E-09	7.32E-10	1.13E-08	2.55E-10	1.46E-09	1.74E-10	1.89E-09	2.31E-10	7.63E-10	5.26E-11	1.05E-09
2756	470019.93	3819132.19	2.88E-09	1.21E-08	1.09E-09	1.61E-08	2.40E-09	8.89E-09	7.82E-10	1.21E-08	2.72E-10	1.56E-09	1.86E-10	2.01E-09	2.47E-10	8.15E-10	5.62E-11	1.12E-09
2757	470036.48	3819125.64	3.23E-09	1.36E-08	1.22E-09	1.80E-08	2.69E-09	9.96E-09	8.76E-10	1.35E-08	3.05E-10	1.74E-09	2.08E-10	2.26E-09	2.77E-10	9.14E-10	6.30E-11	1.25E-09
2758	470053.02	3819119.09	3.57E-09	1.50E-08	1.35E-09	1.99E-08	2.98E-09	1.10E-08	9.70E-10	1.50E-08	3.37E-10	1.93E-09	2.30E-10	2.50E-09	3.07E-10	1.01E-09	6.97E-11	1.39E-09
2759	470069.56	3819112.54	3.90E-09	1.64E-08	1.47E-09	2.17E-08	3.25E-09	1.20E-08	1.06E-09	1.63E-08	3.68E-10	2.11E-09	2.51E-10	2.73E-09	3.35E-10	1.10E-09	7.60E-11	1.51E-09
2760	469960.24	3819207.13	1.89E-09	7.92E-09	7.14E-10	1.05E-08	1.57E-09	5.82E-09	5.12E-10	7.91E-09	1.78E-10	1.02E-09	1.22E-10	1.32E-09	1.62E-10	5.34E-10	3.68E-11	7.33E-10
2761	469963.99	3819198.52	1.95E-09	8.17E-09	7.36E-10	1.09E-08	1.62E-09	6.00E-09	5.28E-10	8.15E-09	1.84E-10	1.05E-09	1.25E-10	1.36E-09	1.67E-10	5.51E-10	3.80E-11	7.56E-10
2762	469967.74	3819189.92	2.00E-09	8.42E-09	7.58E-10	1.12E-08	1.67E-09	6.18E-09	5.44E-10	8.40E-09	1.89E-10	1.08E-09	1.29E-10	1.40E-09	1.72E-10	5.67E-10	3.91E-11	7.78E-10
2763	469971.5	3819181.31	2.06E-09	8.66E-09	7.80E-10	1.15E-08	1.72E-09	6.36E-09	5.60E-10	8.64E-09	1.95E-10	1.11E-09	1.33E-10	1.44E-09	1.77E-10	5.84E-10	4.02E-11	8.01E-10
2764	469975.25	3819172.71	2.12E-09	8.89E-09	8.01E-10	1.18E-08	1.76E-09	6.53E-09	5.75E-10	8.87E-09	2.00E-10	1.14E-09	1.37E-10	1.48E-09	1.82E-10	5.99E-10	4.13E-11	8.22E-10
2765	469979	3819164.11	2.17E-09	9.10E-09	8.20E-10	1.21E-08	1.80E-09	6.69E-09	5.88E-10	9.08E-09	2.05E-10	1.17E-09	1.40E-10	1.52E-09	1.86E-10	6.13E-10	4.23E-11	8.42E-10
2766	469982.75	3819155.5	2.21E-09	9.27E-09	8.35E-10	1.23E-08	1.84E-09	6.81E-09	5.99E-10	9.25E-09	2.08E-10	1.19E-09	1.42E-10	1.54E-09	1.90E-10	6.25E-10	4.31E-11	8.58E-10
2767	469986.5	3819146.9	2.24E-09	9.41E-09	8.48E-10	1.25E-08	1.87E-09	6.92E-09	6.08E-10	9.39E-09	2.12E-10	1.21E-09	1.45E-10	1.57E-09	1.92E-10	6.34E-10	4.37E-11	8.71E-10
2768	469990.26	3819138.3	2.27E-09	9.52E-09	8.57E-10	1.26E-08	1.89E-09	6.99E-09	6.15E-10	9.50E-09	2.14E-10	1.23E-09	1.46E-10	1.59E-09	1.95E-10	6.42E-10	4.42E-11	8.80E-10
2769	469994.01	3819129.69	2.29E-09	9.62E-09	8.66E-10	1.28E-08	1.91E-09	7.07E-09	6.22E-10	9.60E-09	2.16E-10	1.24E-09	1.48E-10	1.60E-09	1.97E-10	6.48E-10	4.47E-11	8.90E-10
2770	470006.49	3819117.63	2.45E-09	1.03E-08	9.26E-10	1.37E-08	2.04E-09	7.56E-09	6.65E-10	1.03E-08	2.31E-10	1.32E-09	1.58E-10	1.71E-09	2.10E-10	6.93E-10	4.78E-11	9.51E-10
2771	470015.21	3819114.18	2.59E-09	1.09E-08	9.81E-10	1.45E-08	2.16E-09	8.00E-09	7.04E-10	1.09E-08	2.45E-10	1.40E-09	1.67E-10	1.81E-09	2.23E-10	7.34E-10	5.06E-11	1.01E-09
2772	470058.85	3819096.89	3.29E-09	1.38E-08	1.25E-09	1.84E-08	2.74E-09	1.02E-08	8.94E-10	1.38E-08	3.11E-10	1.78E-09	2.12E-10	2.30E-09	2.83E-10	9.32E-10	6.43E-11	1.28E-09
2773	470067.57	3819093.44	3.42E-09	1.43E-08	1.29E-09	1.91E-08	2.85E-09	1.05E-08	9.27E-10	1.43E-08	3.23E-10	1.85E-09	2.20E-10	2.39E-09	2.93E-10	9.67E-10	6.67E-11	1.33E-09
2774	470076.3	3819089.98	3.53E-09	1.48E-08	1.33E-09	1.97E-08	2.94E-09	1.09E-08	9.58E-10	1.48E-08	3.33E-10	1.91E-09	2.28E-10	2.47E-09	3.03E-10	9.99E-10	6.88E-11	1.37E-09
2775	470085.03	3819086.52	3.63E-09	1.52E-08	1.37E-09	2.02E-08	3.02E-09	1.12E-08	9.85E-10	1.52E-08	3.43E-10	1.96E-09	2.34E-10	2.54E-09	3.11E-10	1.03E-09	7.08E-11	1.41E-09
2776	470093.76	3819083.07	3.71E-09	1.56E-08	1.40E-09	2.07E-08	3.09E-09	1.15E-08	1.01E-09	1.56E-08	3.51E-10	2.01E-09	2.39E-10	2.60E-09	3.19E-10	1.05E-09	7.24E-11	1.44E-09
2777	470102.48	3819079.61	3.78E-09	1.59E-08	1.43E-09	2.11E-08	3.15E-09	1.17E-08	1.03E-09	1.58E-08	3.57E-10	2.04E-09	2.44E-10	2.64E-09	3.24E-10	1.07E-09	7.37E-11	1.47E-09
2778	469939.96	3819207.37	1.56E-09	6.55E-09	5.90E-10	8.70E-09	1.30E-09	4.81E-09	4.23E-10	6.54E-09	1.47E-10	8.43E-10	1.01E-10	1.09E-09	1.34E-10	4.42E-10	3.04E-11	6.06E-10
2779	469943.62	3819198.98	1.61E-09	6.75E-09	6.08E-10	8.96E-09	1.34E-09	4.96E-09	4.36E-10	6.73E-09	1.52E-10	8.69E-10	1.04E-10	1.12E-09	1.38E-10	4.55E-10	3.14E-11	6.24E-10
2780	469947.28	3819190.59	1.65E-09	6.95E-09	6.26E-10	9.23E-09	1.38E-09	5.11E-09	4.49E-10	6.93E-09	1.56E-10	8.95E-10	1.07E-10	1.16E-09	1.42E-10	4.68E-10	3.23E-11	6.43E-10
2781	469950.94	3819182.2	1.70E-09	7.15E-09	6.44E-10	9.50E-09	1.42E-09	5.26E-09	4.62E-10	7.14E-09	1.61E-10	9.21E-10	1.10E-10	1.19E-09	1.46E-10	4.82E-10	3.32E-11	6.62E-10
2782	469954.59	3819173.82	1.75E-09	7.35E-09	6.62E-10	9.77E-09	1.46E-09	5.40E-09	4.75E-10	7.34E-09	1.65E-10	9.47E-10	1.13E-10	1.22E-09	1.50E-10	4.96E-10	3.42E-11	6.80E-10
2783	469958.25	3819165.43	1.80E-09	7.55E-09	6.80E-10	1.00E-08	1.50E-09	5.54E-09	4.88E-10	7.53E-09	1.70E-10	9.71E-10	1.16E-10	1.26E-09	1.54E-10	5.09E-10	3.51E-11	6.98E-10
2784	469961.91	3819157.04	1.84E-09	7.73E-09	6.96E-10	1.03E-08	1.53E-09	5.68E-09	4.99E-10	7.71E-09	1.74E-10	9.95E-10	1.19E-10	1.29E-09	1.58E-10	5.21E-10	3.59E-11	7.15E-10
2785	469965.57	3819148.65	1.88E-09	7.89E-09	7.10E-10	1.05E-08	1.56E-09	5.80E-09	5.10E-10	7.87E-09	1.77E-10	1.02E-09	1.21E-10	1.31E-09	1.61E-10	5.32E-10	3.66E-11	7.29E-10
2786	469969.23	3819140.26	1.91E-09	8.02E-09	7.23E-10	1.07E-08	1.59E-09	5.90E-09	5.19E-10	8.01E-09	1.80E-10	1.03E-09	1.23E-10	1.34E-09	1.64E-10	5.41E-10	3.73E-11	7.42E-10
2787	469972.89	3819131.87	1.94E-09	8.14E-09	7.33E-10	1.08E-08	1.61E-09	5.98E-09	5.26E-10	8.12E-09	1.83E-10	1.05E-09	1.25E-10	1.36E-09	1.66E-10	5.48E-10	3.78E-11	7.52E-10
2788	469976.54	3819123.48	1.96E-09	8.23E-09	7.41E-10	1.09E-08	1.63E-09	6.04E-09	5.32E-10	8.21E-09	1.85E-10	1.06E-09	1.26E-10	1.37E-09	1.68E-10	5.54E-10	3.82E-11	7.61E-10
2789	469980.2	3819115.1	1.98E-09	8.30E-09	7.47E-10	1.10E-08	1.65E-09	6.10E-09	5.36E-10	8.28E-09	1.87E-10	1.07E-09	1.27E-10	1.38E-09	1.70E-10	5.59E-10	3.86E-11	7.67E-10
2790	470009.39	3819096.6	2.33E-09	9.77E-09	8.80E-10	1.30E-08	1.94E-09	7.18E-09	6.31E-10	9.75E-09	2.20E-10	1.26E-09	1.50E-10	1.63E-09	2.00E-10	6.58E-10	4.54E-11	9.03E-10
2791	470017.9	3819093.23	2.44E-09	1.02E-08	9.23E-10	1.36E-08	2.03E-09	7.53E-09	6.62E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.71E-09	2.09E-10	6.91E-10	4.76E-11	9.48E-10
2792	470026.4	3819089.86	2.55E-09	1.07E-08	9.65E-10	1.42E-08	2.13E-09	7.87E-09	6.93E-10	1.07E-08	2.41E-10	1.38E-09	1.65E-10	1.78E-09	2.19E-10	7.22E-10	4.98E-11	9.91E-10
2793	470034.91	3819086.49	2.66E-09	1.12E-08	1.01E-09	1.48E-08	2.22E-09	8.21E-09	7.22E-10	1.12E-08	2.51E-10	1.44E-09	1.72E-10	1.86E-09	2.28E-10	7.53E-10	5.19E-11	1.03E-09
2794	470043.42	3819083.12	2.77E-09	1.16E-08	1.05E-09	1.54E-08	2.30E-09	8.54E-09	7.51E-10	1.16E-08	2.61E-10	1.50E-09	1.78E-10	1.94E-09	2.38E-10	7.83E-10	5.40E-11	1.07E-09
2795	470051.93	3819079.75	2.87E-09	1.20E-08	1.08E-09	1.60E-08	2.39E-09	8.85E-09	7.78E-10	1.20E-08	2.71E-10	1.55E-09	1.85E-10	2.01E-09	2.46E-10	8.12E-10	5.60E-11	1.11E-09
2796	470060.44	3819076.38	2.96E-09	1.24E-08	1.12E-09	1.65E-08	2.47E-09	9.14E-09	8.04E-10	1.24E-08	2.80E-10	1.60E-09	1.91E-10	2.07E-09	2.54E-10	8.38E-10	5.78E-11	1.15E-09

2797	470068.95	3819073.01	3.05E-09	1.28E-08	1.15E-09	1.70E-08	2.54E-09	9.41E-09	8.28E-10	1.28E-08	2.88E-10	1.65E-09	1.97E-10	2.13E-09	2.62E-10	8.63E-10	5.95E-11	1.18E-09
2798	470077.46	3819069.64	3.13E-09	1.31E-08	1.18E-09	1.74E-08	2.60E-09	9.65E-09	8.49E-10	1.31E-08	2.95E-10	1.69E-09	2.02E-10	2.19E-09	2.68E-10	8.85E-10	6.10E-11	1.21E-09
2799	470085.97	3819066.27	3.19E-09	1.34E-08	1.21E-09	1.78E-08	2.66E-09	9.85E-09	8.67E-10	1.34E-08	3.01E-10	1.73E-09	2.06E-10	2.23E-09	2.74E-10	9.04E-10	6.23E-11	1.24E-09
2800	470094.47	3819062.9	3.25E-09	1.36E-08	1.23E-09	1.81E-08	2.71E-09	1.00E-08	8.82E-10	1.36E-08	3.07E-10	1.76E-09	2.09E-10	2.27E-09	2.79E-10	9.19E-10	6.34E-11	1.26E-09
2801	470102.98	3819059.53	3.29E-09	1.38E-08	1.24E-09	1.84E-08	2.74E-09	1.02E-08	8.93E-10	1.38E-08	3.11E-10	1.78E-09	2.12E-10	2.30E-09	2.82E-10	9.31E-10	6.42E-11	1.28E-09
2802	469920.42	3819205.92	1.31E-09	5.51E-09	4.96E-10	7.31E-09	1.09E-09	4.05E-09	3.56E-10	5.49E-09	1.24E-10	7.09E-10	8.46E-11	9.17E-10	1.13E-10	3.71E-10	2.56E-11	5.09E-10
2803	469924.23	3819197.18	1.35E-09	5.68E-09	5.12E-10	7.55E-09	1.13E-09	4.18E-09	3.67E-10	5.67E-09	1.28E-10	7.31E-10	8.73E-11	9.46E-10	1.16E-10	3.83E-10	2.64E-11	5.26E-10
2804	469928.04	3819188.45	1.39E-09	5.86E-09	5.28E-10	7.78E-09	1.16E-09	4.30E-09	3.79E-10	5.84E-09	1.32E-10	7.54E-10	9.00E-11	9.76E-10	1.20E-10	3.95E-10	2.72E-11	5.42E-10
2805	469931.85	3819179.71	1.44E-09	6.04E-09	5.44E-10	8.02E-09	1.20E-09	4.44E-09	3.90E-10	6.03E-09	1.36E-10	7.77E-10	9.28E-11	1.01E-09	1.23E-10	4.07E-10	2.81E-11	5.59E-10
2806	469935.67	3819170.97	1.48E-09	6.22E-09	5.60E-10	8.26E-09	1.23E-09	4.57E-09	4.02E-10	6.21E-09	1.40E-10	8.01E-10	9.55E-11	1.04E-09	1.27E-10	4.19E-10	2.89E-11	5.75E-10
2807	469939.48	3819162.23	1.52E-09	6.40E-09	5.76E-10	8.49E-09	1.27E-09	4.70E-09	4.13E-10	6.38E-09	1.44E-10	8.23E-10	9.82E-11	1.07E-09	1.31E-10	4.31E-10	2.97E-11	5.91E-10
2808	469943.29	3819153.49	1.56E-09	6.56E-09	5.91E-10	8.72E-09	1.30E-09	4.82E-09	4.24E-10	6.55E-09	1.48E-10	8.45E-10	1.01E-10	1.09E-09	1.34E-10	4.42E-10	3.05E-11	6.07E-10
2809	469947.1	3819144.75	1.60E-09	6.72E-09	6.05E-10	8.93E-09	1.33E-09	4.94E-09	4.35E-10	6.71E-09	1.51E-10	8.65E-10	1.03E-10	1.12E-09	1.37E-10	4.53E-10	3.12E-11	6.22E-10
2810	469950.91	3819136.02	1.64E-09	6.87E-09	6.19E-10	9.12E-09	1.36E-09	5.05E-09	4.44E-10	6.85E-09	1.54E-10	8.84E-10	1.05E-10	1.14E-09	1.40E-10	4.63E-10	3.19E-11	6.35E-10
2811	469954.72	3819127.28	1.66E-09	6.98E-09	6.29E-10	9.27E-09	1.38E-09	5.13E-09	4.51E-10	6.96E-09	1.57E-10	8.99E-10	1.07E-10	1.16E-09	1.43E-10	4.70E-10	3.24E-11	6.46E-10
2812	469958.53	3819118.54	1.68E-09	7.08E-09	6.37E-10	9.40E-09	1.40E-09	5.20E-09	4.57E-10	7.06E-09	1.59E-10	9.11E-10	1.09E-10	1.18E-09	1.45E-10	4.77E-10	3.29E-11	6.54E-10
2813	469978.83	3819088.82	1.83E-09	7.67E-09	6.91E-10	1.02E-08	1.52E-09	5.63E-09	4.96E-10	7.65E-09	1.72E-10	9.87E-10	1.18E-10	1.28E-09	1.57E-10	5.17E-10	3.56E-11	7.09E-10
2814	469987.69	3819085.3	1.92E-09	8.07E-09	7.27E-10	1.07E-08	1.60E-09	5.93E-09	5.22E-10	8.05E-09	1.81E-10	1.04E-09	1.24E-10	1.34E-09	1.65E-10	5.44E-10	3.75E-11	7.47E-10
2815	469996.55	3819081.79	2.02E-09	8.48E-09	7.63E-10	1.13E-08	1.68E-09	6.23E-09	5.48E-10	8.46E-09	1.91E-10	1.09E-09	1.30E-10	1.41E-09	1.73E-10	5.71E-10	3.94E-11	7.84E-10
2816	470005.42	3819078.28	2.12E-09	8.88E-09	8.00E-10	1.18E-08	1.76E-09	6.53E-09	5.74E-10	8.86E-09	2.00E-10	1.14E-09	1.36E-10	1.48E-09	1.82E-10	5.99E-10	4.13E-11	8.22E-10
2817	470014.28	3819074.77	2.21E-09	9.28E-09	8.36E-10	1.23E-08	1.84E-09	6.82E-09	6.00E-10	9.26E-09	2.09E-10	1.19E-09	1.43E-10	1.55E-09	1.90E-10	6.26E-10	4.31E-11	8.59E-10
2818	470023.14	3819071.26	2.30E-09	9.67E-09	8.71E-10	1.28E-08	1.92E-09	7.11E-09	6.25E-10	9.65E-09	2.18E-10	1.25E-09	1.49E-10	1.61E-09	1.98E-10	6.52E-10	4.49E-11	8.95E-10
2819	470032.01	3819067.75	2.39E-09	1.01E-08	9.05E-10	1.34E-08	1.99E-09	7.39E-09	6.50E-10	1.00E-08	2.26E-10	1.29E-09	1.54E-10	1.67E-09	2.06E-10	6.78E-10	4.67E-11	9.30E-10
2820	470040.87	3819064.24	2.48E-09	1.04E-08	9.38E-10	1.38E-08	2.07E-09	7.65E-09	6.73E-10	1.04E-08	2.34E-10	1.34E-09	1.60E-10	1.73E-09	2.13E-10	7.02E-10	4.84E-11	9.63E-10
2821	470049.73	3819060.73	2.56E-09	1.08E-08	9.69E-10	1.43E-08	2.13E-09	7.90E-09	6.95E-10	1.07E-08	2.42E-10	1.38E-09	1.65E-10	1.79E-09	2.20E-10	7.25E-10	5.00E-11	9.95E-10
2822	470058.59	3819057.22	2.64E-09	1.11E-08	9.97E-10	1.47E-08	2.20E-09	8.14E-09	7.16E-10	1.10E-08	2.49E-10	1.43E-09	1.70E-10	1.84E-09	2.26E-10	7.46E-10	5.14E-11	1.02E-09
2823	470067.46	3819053.71	2.70E-09	1.14E-08	1.02E-09	1.51E-08	2.25E-09	8.35E-09	7.34E-10	1.13E-08	2.55E-10	1.46E-09	1.74E-10	1.89E-09	2.32E-10	7.66E-10	5.28E-11	1.05E-09
2824	470076.32	3819050.2	2.76E-09	1.16E-08	1.05E-09	1.54E-08	2.30E-09	8.53E-09	7.50E-10	1.16E-08	2.61E-10	1.49E-09	1.78E-10	1.93E-09	2.37E-10	7.82E-10	5.39E-11	1.07E-09
2825	470085.18	3819046.69	2.82E-09	1.18E-08	1.06E-09	1.57E-08	2.34E-09	8.69E-09	7.64E-10	1.18E-08	2.66E-10	1.52E-09	1.82E-10	1.97E-09	2.42E-10	7.97E-10	5.49E-11	1.09E-09
2826	470094.05	3819043.18	2.86E-09	1.20E-08	1.08E-09	1.59E-08	2.38E-09	8.81E-09	7.75E-10	1.20E-08	2.70E-10	1.54E-09	1.84E-10	2.00E-09	2.45E-10	8.08E-10	5.57E-11	1.11E-09
2827	470102.91	3819039.67	2.89E-09	1.21E-08	1.09E-09	1.61E-08	2.40E-09	8.91E-09	7.83E-10	1.21E-08	2.73E-10	1.56E-09	1.86E-10	2.02E-09	2.48E-10	8.17E-10	5.63E-11	1.12E-09
2828	469900.17	3819206.1	1.11E-09	4.65E-09	4.18E-10	6.17E-09	9.21E-10	3.41E-09	3.00E-10	4.63E-09	1.04E-10	5.98E-10	7.13E-11	7.74E-10	9.50E-11	3.13E-10	2.16E-11	4.30E-10
2829	469903.9	3819197.56	1.14E-09	4.80E-09	4.32E-10	6.37E-09	9.52E-10	3.53E-09	3.10E-10	4.79E-09	1.08E-10	6.18E-10	7.37E-11	7.99E-10	9.81E-11	3.23E-10	2.23E-11	4.44E-10
2830	469907.62	3819189.02	1.17E-09	4.93E-09	4.44E-10	6.55E-09	9.79E-10	3.63E-09	3.19E-10	4.92E-09	1.11E-10	6.35E-10	7.58E-11	8.22E-10	1.01E-10	3.33E-10	2.29E-11	4.56E-10
2831	469911.35	3819180.47	1.21E-09	5.07E-09	4.57E-10	6.74E-09	1.01E-09	3.73E-09	3.28E-10	5.06E-09	1.14E-10	6.53E-10	7.79E-11	8.45E-10	1.04E-10	3.42E-10	2.36E-11	4.69E-10
2832	469915.08	3819171.93	1.24E-09	5.22E-09	4.70E-10	6.93E-09	1.04E-09	3.84E-09	3.37E-10	5.21E-09	1.17E-10	6.72E-10	8.02E-11	8.70E-10	1.07E-10	3.52E-10	2.43E-11	4.83E-10
2833	469918.8	3819163.38	1.28E-09	5.37E-09	4.84E-10	7.14E-09	1.07E-09	3.95E-09	3.47E-10	5.36E-09	1.21E-10	6.92E-10	8.25E-11	8.95E-10	1.10E-10	3.62E-10	2.50E-11	4.97E-10
2834	469922.53	3819154.84	1.32E-09	5.53E-09	4.98E-10	7.34E-09	1.10E-09	4.06E-09	3.57E-10	5.52E-09	1.24E-10	7.12E-10	8.49E-11	9.21E-10	1.13E-10	3.73E-10	2.57E-11	5.11E-10
2835	469926.26	3819146.3	1.35E-09	5.68E-09	5.11E-10	7.54E-09	1.13E-09	4.17E-09	3.67E-10	5.67E-09	1.28E-10	7.31E-10	8.72E-11	9.46E-10	1.16E-10	3.83E-10	2.64E-11	5.25E-10
2836	469929.98	3819137.75	1.39E-09	5.82E-09	5.24E-10	7.73E-09	1.15E-09	4.28E-09	3.76E-10	5.81E-09	1.31E-10	7.49E-10	8.94E-11	9.70E-10	1.19E-10	3.92E-10	2.70E-11	5.38E-10
2837	469933.71	3819129.21	1.41E-09	5.94E-09	5.35E-10	7.88E-09	1.18E-09	4.36E-09	3.84E-10	5.92E-09	1.33E-10	7.64E-10	9.12E-11	9.89E-10	1.21E-10	4.00E-10	2.76E-11	5.49E-10
2838	469937.43	3819120.66	1.44E-09	6.04E-09	5.44E-10	8.02E-09	1.20E-09	4.44E-09	3.90E-10	6.03E-09	1.36E-10	7.77E-10	9.27E-11	1.01E-09	1.23E-10	4.07E-10	2.81E-11	5.59E-10
2839	469941.16	3819112.12	1.46E-09	6.13E-09	5.52E-10	8.14E-09	1.22E-09	4.50E-09	3.96E-10	6.12E-09	1.38E-10	7.89E-10	9.41E-11	1.02E-09	1.25E-10	4.13E-10	2.85E-11	5.67E-10
2840	469948.61	3819095.03	1.50E-09	6.28E-09	5.66E-10	8.35E-09	1.25E-09	4.62E-09	4.06E-10	6.27E-09	1.41E-10	8.09E-10	9.65E-11	1.05E-09	1.28E-10	4.24E-10	2.92E-11	5.81E-10
2841	469952.34	3819086.49	1.51E-09	6.34E-09	5.71E-10	8.43E-09	1.26E-09	4.66E-09	4.10E-10	6.33E-09	1.43E-10	8.17E-10	9.74E-11	1.06E-09	1.30E-10	4.28E-10	2.95E-11	5.87E-10
2842	469964.73	3819074.51	1.60E-09	6.71E-09	6.04E-10	8.91E-09	1.33E-09	4.93E-09	4.34E-10	6.69E-09	1.51E-10	8.64E-10	1.03E-10	1.12E-09	1.37E-10	4.52E-10	3.12E-11	6.21E-10
2843	469973.4	3819071.08	1.68E-09	7.04E-09	6.34E-10	9.34E-09	1.40E-09	5.17E-09	4.55E-10	7.02E-09	1.58E-10	9.06E-10	1.08E-10	1.17E-09	1.44E-10	4.74E-10	3.27E-11	6.51E-10
2844	469982.06	3819067.65	1.75E-09	7.36E-09	6.63E-10	9.78E-09	1.46E-09	5.41E-09	4.76E-10	7.35E-09	1.66E-10	9.48E-10	1.13E-10	1.23E-09	1.51E-10	4.96E-10	3.42E-11	6.81E-10
2845	469990.73	3819064.21	1.83E-09	7.69E-09	6.93E-10	1.02E-08	1.53E-09	5.65E-09	4.97E-10	7.67E-09	1.73E-10	9.90E-10	1.18E-10	1.28E-09	1.57E-10	5.18E-10	3.57E-11	7.11E-10
2846	469999.4	3819060.78	1.91E-09	8.02E-09	7.22E-10	1.06E-08	1.59E-09	5.89E-09	5.18E-10	8.00E-09	1.80E-10	1.03E-09	1.23E-10	1.34E-09	1.64E-10	5.40E-10	3.72E-11	7.41E-10

2847	470008.06	3819057.35	1.98E-09	8.33E-09	7.51E-10	1.11E-08	1.65E-09	6.12E-09	5.39E-10	8.32E-09	1.87E-10	1.07E-09	1.28E-10	1.39E-09	1.70E-10	5.62E-10	3.87E-11	7.71E-10
2848	470016.73	3819053.92	2.06E-09	8.65E-09	7.79E-10	1.15E-08	1.71E-09	6.35E-09	5.59E-10	8.63E-09	1.94E-10	1.11E-09	1.33E-10	1.44E-09	1.77E-10	5.83E-10	4.02E-11	8.00E-10
2849	470025.39	3819050.49	2.13E-09	8.95E-09	8.06E-10	1.19E-08	1.77E-09	6.57E-09	5.78E-10	8.93E-09	2.01E-10	1.15E-09	1.37E-10	1.49E-09	1.83E-10	6.03E-10	4.16E-11	8.27E-10
2850	470034.06	3819047.05	2.20E-09	9.23E-09	8.31E-10	1.23E-08	1.83E-09	6.78E-09	5.97E-10	9.21E-09	2.08E-10	1.19E-09	1.42E-10	1.54E-09	1.89E-10	6.22E-10	4.29E-11	8.54E-10
2851	470042.73	3819043.62	2.26E-09	9.50E-09	8.56E-10	1.26E-08	1.89E-09	6.98E-09	6.14E-10	9.48E-09	2.14E-10	1.22E-09	1.46E-10	1.58E-09	1.94E-10	6.41E-10	4.42E-11	8.79E-10
2852	470051.39	3819040.19	2.32E-09	9.76E-09	8.79E-10	1.30E-08	1.93E-09	7.17E-09	6.31E-10	9.73E-09	2.19E-10	1.26E-09	1.50E-10	1.63E-09	1.99E-10	6.58E-10	4.53E-11	9.02E-10
2853	470060.06	3819036.76	2.38E-09	9.99E-09	8.99E-10	1.33E-08	1.98E-09	7.34E-09	6.45E-10	9.96E-09	2.25E-10	1.29E-09	1.53E-10	1.66E-09	2.04E-10	6.73E-10	4.64E-11	9.24E-10
2854	470068.72	3819033.32	2.43E-09	1.02E-08	9.18E-10	1.35E-08	2.02E-09	7.49E-09	6.59E-10	1.02E-08	2.29E-10	1.31E-09	1.57E-10	1.70E-09	2.08E-10	6.87E-10	4.73E-11	9.42E-10
2855	470077.39	3819029.89	2.47E-09	1.04E-08	9.34E-10	1.38E-08	2.06E-09	7.62E-09	6.70E-10	1.03E-08	2.33E-10	1.33E-09	1.59E-10	1.73E-09	2.12E-10	6.99E-10	4.82E-11	9.59E-10
2856	470086.06	3819026.46	2.50E-09	1.05E-08	9.47E-10	1.40E-08	2.09E-09	7.73E-09	6.80E-10	1.05E-08	2.36E-10	1.35E-09	1.61E-10	1.75E-09	2.15E-10	7.09E-10	4.89E-11	9.72E-10
2857	470094.72	3819023.03	2.53E-09	1.06E-08	9.57E-10	1.41E-08	2.11E-09	7.81E-09	6.87E-10	1.06E-08	2.39E-10	1.37E-09	1.63E-10	1.77E-09	2.17E-10	7.16E-10	4.94E-11	9.83E-10
2858	470103.39	3819019.59	2.55E-09	1.07E-08	9.64E-10	1.42E-08	2.12E-09	7.87E-09	6.92E-10	1.07E-08	2.41E-10	1.38E-09	1.64E-10	1.78E-09	2.19E-10	7.22E-10	4.98E-11	9.90E-10
2859	469880.55	3819204.85	9.45E-10	3.97E-09	3.58E-10	5.27E-09	7.87E-10	2.92E-09	2.57E-10	3.96E-09	8.93E-11	5.11E-10	6.10E-11	6.61E-10	8.11E-11	2.68E-10	1.84E-11	3.67E-10
2860	469884.4	3819196.01	9.76E-10	4.10E-09	3.69E-10	5.44E-09	8.13E-10	3.01E-09	2.65E-10	4.09E-09	9.21E-11	5.27E-10	6.29E-11	6.82E-10	8.38E-11	2.76E-10	1.90E-11	3.79E-10
2861	469888.25	3819187.18	1.00E-09	4.22E-09	3.80E-10	5.60E-09	8.37E-10	3.10E-09	2.73E-10	4.21E-09	9.49E-11	5.43E-10	6.48E-11	7.03E-10	8.62E-11	2.84E-10	1.96E-11	3.90E-10
2862	469892.1	3819178.35	1.03E-09	4.34E-09	3.91E-10	5.77E-09	8.61E-10	3.19E-09	2.81E-10	4.33E-09	9.76E-11	5.59E-10	6.67E-11	7.23E-10	8.88E-11	2.93E-10	2.02E-11	4.02E-10
2863	469895.95	3819169.52	1.06E-09	4.47E-09	4.02E-10	5.93E-09	8.86E-10	3.28E-09	2.89E-10	4.46E-09	1.00E-10	5.75E-10	6.86E-11	7.44E-10	9.13E-11	3.01E-10	2.07E-11	4.13E-10
2864	469899.81	3819160.69	1.09E-09	4.60E-09	4.14E-10	6.10E-09	9.12E-10	3.38E-09	2.97E-10	4.59E-09	1.03E-10	5.92E-10	7.06E-11	7.66E-10	9.40E-11	3.10E-10	2.14E-11	4.25E-10
2865	469903.66	3819151.86	1.13E-09	4.74E-09	4.27E-10	6.29E-09	9.39E-10	3.48E-09	3.06E-10	4.73E-09	1.06E-10	6.10E-10	7.27E-11	7.89E-10	9.68E-11	3.19E-10	2.20E-11	4.38E-10
2866	469907.51	3819143.03	1.16E-09	4.87E-09	4.39E-10	6.47E-09	9.66E-10	3.58E-09	3.15E-10	4.86E-09	1.10E-10	6.27E-10	7.48E-11	8.12E-10	9.96E-11	3.28E-10	2.26E-11	4.51E-10
2867	469911.36	3819134.2	1.19E-09	5.00E-09	4.51E-10	6.65E-09	9.93E-10	3.68E-09	3.24E-10	4.99E-09	1.13E-10	6.44E-10	7.69E-11	8.34E-10	1.02E-10	3.37E-10	2.33E-11	4.63E-10
2868	469915.21	3819125.37	1.22E-09	5.12E-09	4.61E-10	6.81E-09	1.02E-09	3.77E-09	3.31E-10	5.11E-09	1.15E-10	6.60E-10	7.87E-11	8.54E-10	1.05E-10	3.45E-10	2.38E-11	4.74E-10
2869	469919.06	3819116.54	1.25E-09	5.23E-09	4.71E-10	6.95E-09	1.04E-09	3.84E-09	3.38E-10	5.22E-09	1.18E-10	6.73E-10	8.04E-11	8.71E-10	1.07E-10	3.53E-10	2.43E-11	4.84E-10
2870	469930.61	3819090.05	1.31E-09	5.50E-09	4.95E-10	7.30E-09	1.09E-09	4.04E-09	3.55E-10	5.48E-09	1.24E-10	7.08E-10	8.44E-11	9.16E-10	1.12E-10	3.71E-10	2.55E-11	5.08E-10
2871	469934.46	3819081.22	1.32E-09	5.56E-09	5.01E-10	7.39E-09	1.10E-09	4.09E-09	3.60E-10	5.55E-09	1.25E-10	7.16E-10	8.54E-11	9.27E-10	1.14E-10	3.75E-10	2.58E-11	5.15E-10
2872	469938.31	3819072.39	1.34E-09	5.62E-09	5.06E-10	7.46E-09	1.11E-09	4.13E-09	3.63E-10	5.60E-09	1.26E-10	7.23E-10	8.63E-11	9.35E-10	1.15E-10	3.79E-10	2.61E-11	5.19E-10
2873	469951.12	3819060.02	1.41E-09	5.93E-09	5.34E-10	7.88E-09	1.18E-09	4.36E-09	3.84E-10	5.92E-09	1.33E-10	7.64E-10	9.11E-11	9.88E-10	1.21E-10	4.00E-10	2.76E-11	5.49E-10
2874	469960.08	3819056.47	1.48E-09	6.22E-09	5.60E-10	8.26E-09	1.23E-09	4.57E-09	4.02E-10	6.20E-09	1.40E-10	8.00E-10	9.55E-11	1.04E-09	1.27E-10	4.19E-10	2.89E-11	5.75E-10
2875	469969.03	3819052.92	1.55E-09	6.50E-09	5.85E-10	8.63E-09	1.29E-09	4.78E-09	4.20E-10	6.48E-09	1.46E-10	8.37E-10	9.98E-11	1.08E-09	1.33E-10	4.38E-10	3.02E-11	6.01E-10
2876	469977.99	3819049.37	1.62E-09	6.78E-09	6.11E-10	9.01E-09	1.35E-09	4.98E-09	4.38E-10	6.77E-09	1.53E-10	8.73E-10	1.04E-10	1.13E-09	1.39E-10	4.57E-10	3.15E-11	6.27E-10
2877	469986.95	3819045.83	1.68E-09	7.06E-09	6.36E-10	9.38E-09	1.40E-09	5.19E-09	4.57E-10	7.05E-09	1.59E-10	9.09E-10	1.08E-10	1.18E-09	1.44E-10	4.76E-10	3.28E-11	6.53E-10
2878	469995.9	3819042.28	1.75E-09	7.33E-09	6.60E-10	9.74E-09	1.45E-09	5.39E-09	4.74E-10	7.32E-09	1.65E-10	9.44E-10	1.13E-10	1.22E-09	1.50E-10	4.94E-10	3.41E-11	6.78E-10
2879	470004.86	3819038.73	1.81E-09	7.60E-09	6.85E-10	1.01E-08	1.51E-09	5.59E-09	4.91E-10	7.59E-09	1.71E-10	9.79E-10	1.17E-10	1.27E-09	1.55E-10	5.12E-10	3.53E-11	7.03E-10
2880	470013.82	3819035.18	1.87E-09	7.87E-09	7.08E-10	1.04E-08	1.56E-09	5.78E-09	5.08E-10	7.85E-09	1.77E-10	1.01E-09	1.21E-10	1.31E-09	1.61E-10	5.30E-10	3.65E-11	7.27E-10
2881	470022.77	3819031.64	1.93E-09	8.12E-09	7.31E-10	1.08E-08	1.61E-09	5.97E-09	5.25E-10	8.10E-09	1.83E-10	1.05E-09	1.25E-10	1.35E-09	1.66E-10	5.47E-10	3.77E-11	7.51E-10
2882	470031.73	3819028.09	1.99E-09	8.36E-09	7.52E-10	1.11E-08	1.66E-09	6.14E-09	5.40E-10	8.34E-09	1.88E-10	1.08E-09	1.28E-10	1.39E-09	1.71E-10	5.63E-10	3.88E-11	7.73E-10
2883	470040.69	3819024.54	2.04E-09	8.58E-09	7.72E-10	1.14E-08	1.70E-09	6.30E-09	5.54E-10	8.56E-09	1.93E-10	1.10E-09	1.32E-10	1.43E-09	1.75E-10	5.78E-10	3.99E-11	7.93E-10
2884	470049.64	3819021	2.09E-09	8.78E-09	7.91E-10	1.17E-08	1.74E-09	6.45E-09	5.68E-10	8.76E-09	1.97E-10	1.13E-09	1.35E-10	1.46E-09	1.79E-10	5.92E-10	4.08E-11	8.12E-10
2885	470058.6	3819017.45	2.13E-09	8.97E-09	8.07E-10	1.19E-08	1.78E-09	6.59E-09	5.80E-10	8.95E-09	2.02E-10	1.15E-09	1.38E-10	1.49E-09	1.83E-10	6.04E-10	4.17E-11	8.29E-10
2886	470067.56	3819013.9	2.17E-09	9.13E-09	8.22E-10	1.21E-08	1.81E-09	6.71E-09	5.90E-10	9.11E-09	2.05E-10	1.17E-09	1.40E-10	1.52E-09	1.87E-10	6.15E-10	4.24E-11	8.44E-10
2887	470076.51	3819010.35	2.21E-09	9.27E-09	8.34E-10	1.23E-08	1.84E-09	6.81E-09	5.99E-10	9.25E-09	2.08E-10	1.19E-09	1.42E-10	1.54E-09	1.89E-10	6.25E-10	4.31E-11	8.57E-10
2888	470085.47	3819006.81	2.23E-09	9.38E-09	8.45E-10	1.25E-08	1.86E-09	6.89E-09	6.06E-10	9.36E-09	2.11E-10	1.21E-09	1.44E-10	1.56E-09	1.92E-10	6.32E-10	4.36E-11	8.67E-10
2889	470094.43	3819003.26	2.25E-09	9.46E-09	8.52E-10	1.26E-08	1.88E-09	6.95E-09	6.12E-10	9.44E-09	2.13E-10	1.22E-09	1.45E-10	1.58E-09	1.93E-10	6.38E-10	4.40E-11	8.75E-10
2890	470103.38	3818999.71	2.27E-09	9.52E-09	8.57E-10	1.26E-08	1.89E-09	6.99E-09	6.15E-10	9.49E-09	2.14E-10	1.22E-09	1.46E-10	1.59E-09	1.95E-10	6.41E-10	4.42E-11	8.80E-10
2891	469860.33	3819204.97	8.13E-10	3.42E-09	3.08E-10	4.54E-09	6.78E-10	2.51E-09	2.21E-10	3.41E-09	7.68E-11	4.40E-10	5.25E-11	5.69E-10	6.98E-11	2.30E-10	1.59E-11	3.16E-10
2892	469864.1	3819196.32	8.36E-10	3.51E-09	3.16E-10	4.66E-09	6.96E-10	2.58E-09	2.27E-10	3.50E-09	7.89E-11	4.52E-10	5.39E-11	5.85E-10	7.17E-11	2.37E-10	1.63E-11	3.25E-10
2893	469867.87	3819187.66	8.60E-10	3.61E-09	3.25E-10	4.79E-09	7.16E-10	2.65E-09	2.33E-10	3.60E-09	8.12E-11	4.65E-10	5.54E-11	6.01E-10	7.38E-11	2.43E-10	1.68E-11	3.34E-10
2894	469871.65	3819179.01	8.85E-10	3.72E-09	3.35E-10	4.94E-09	7.37E-10	2.73E-09	2.40E-10	3.71E-09	8.36E-11	4.78E-10	5.71E-11	6.19E-10	7.60E-11	2.51E-10	1.73E-11	3.44E-10
2895	469875.42	3819170.35	9.11E-10	3.83E-09	3.45E-10	5.08E-09	7.59E-10	2.81E-09	2.47E-10	3.82E-09	8.60E-11	4.93E-10	5.88E-11	6.37E-10	7.82E-11	2.58E-10	1.78E-11	3.54E-10
2896	469879.2	3819161.7	9.38E-10	3.94E-09	3.55E-10	5.23E-09	7.81E-10	2.89E-09	2.55E-10	3.93E-09	8.86E-11	5.07E-10	6.05E-11	6.56E-10	8.05E-11	2.65E-10	1.83E-11	3.64E-10

2897	469882.97	3819153.04	9.65E-10	4.05E-09	3.65E-10	5.38E-09	8.04E-10	2.98E-09	2.62E-10	4.04E-09	9.11E-11	5.22E-10	6.22E-11	6.75E-10	8.28E-11	2.73E-10	1.88E-11	3.75E-10
2898	469886.75	3819144.39	9.92E-10	4.17E-09	3.75E-10	5.53E-09	8.26E-10	3.06E-09	2.69E-10	4.16E-09	9.37E-11	5.36E-10	6.40E-11	6.94E-10	8.52E-11	2.81E-10	1.94E-11	3.85E-10
2899	469890.52	3819135.73	1.02E-09	4.28E-09	3.85E-10	5.68E-09	8.49E-10	3.14E-09	2.77E-10	4.27E-09	9.62E-11	5.51E-10	6.57E-11	7.13E-10	8.75E-11	2.88E-10	1.99E-11	3.96E-10
2900	469894.3	3819127.08	1.05E-09	4.39E-09	3.95E-10	5.83E-09	8.71E-10	3.23E-09	2.84E-10	4.38E-09	9.87E-11	5.65E-10	6.74E-11	7.31E-10	8.97E-11	2.96E-10	2.04E-11	4.06E-10
2901	469898.07	3819118.42	1.07E-09	4.49E-09	4.05E-10	5.97E-09	8.91E-10	3.30E-09	2.90E-10	4.48E-09	1.01E-10	5.79E-10	6.90E-11	7.49E-10	9.19E-11	3.03E-10	2.09E-11	4.16E-10
2902	469901.85	3819109.77	1.09E-09	4.59E-09	4.14E-10	6.10E-09	9.11E-10	3.38E-09	2.97E-10	4.58E-09	1.03E-10	5.91E-10	7.06E-11	7.65E-10	9.39E-11	3.10E-10	2.13E-11	4.25E-10
2903	469909.39	3819092.46	1.14E-09	4.77E-09	4.29E-10	6.33E-09	9.46E-10	3.50E-09	3.08E-10	4.76E-09	1.07E-10	6.14E-10	7.33E-11	7.94E-10	9.75E-11	3.21E-10	2.22E-11	4.41E-10
2904	469913.17	3819083.8	1.15E-09	4.84E-09	4.36E-10	6.43E-09	9.61E-10	3.56E-09	3.13E-10	4.83E-09	1.09E-10	6.24E-10	7.44E-11	8.07E-10	9.90E-11	3.27E-10	2.25E-11	4.48E-10
2905	469916.94	3819075.15	1.17E-09	4.91E-09	4.42E-10	6.52E-09	9.74E-10	3.61E-09	3.17E-10	4.90E-09	1.10E-10	6.32E-10	7.54E-11	8.18E-10	1.00E-10	3.31E-10	2.28E-11	4.54E-10
2906	469920.72	3819066.49	1.18E-09	4.96E-09	4.47E-10	6.59E-09	9.85E-10	3.65E-09	3.21E-10	4.95E-09	1.12E-10	6.39E-10	7.62E-11	8.27E-10	1.01E-10	3.35E-10	2.31E-11	4.59E-10
2907	469924.49	3819057.84	1.19E-09	5.01E-09	4.51E-10	6.65E-09	9.93E-10	3.68E-09	3.24E-10	5.00E-09	1.13E-10	6.45E-10	7.69E-11	8.34E-10	1.02E-10	3.38E-10	2.33E-11	4.63E-10
2908	469937.05	3819045.7	1.26E-09	5.27E-09	4.75E-10	7.00E-09	1.05E-09	3.87E-09	3.41E-10	5.26E-09	1.19E-10	6.79E-10	8.10E-11	8.78E-10	1.08E-10	3.55E-10	2.45E-11	4.88E-10
2909	469945.82	3819042.23	1.31E-09	5.51E-09	4.96E-10	7.31E-09	1.09E-09	4.05E-09	3.56E-10	5.49E-09	1.24E-10	7.09E-10	8.46E-11	9.17E-10	1.13E-10	3.71E-10	2.56E-11	5.09E-10
2910	469954.6	3819038.75	1.37E-09	5.74E-09	5.17E-10	7.62E-09	1.14E-09	4.22E-09	3.71E-10	5.73E-09	1.29E-10	7.39E-10	8.82E-11	9.56E-10	1.17E-10	3.87E-10	2.67E-11	5.31E-10
2911	469963.38	3819035.27	1.42E-09	5.97E-09	5.38E-10	7.93E-09	1.18E-09	4.39E-09	3.86E-10	5.96E-09	1.34E-10	7.69E-10	9.18E-11	9.95E-10	1.22E-10	4.03E-10	2.78E-11	5.53E-10
2912	469972.16	3819031.8	1.48E-09	6.20E-09	5.58E-10	8.24E-09	1.23E-09	4.56E-09	4.01E-10	6.19E-09	1.39E-10	7.98E-10	9.52E-11	1.03E-09	1.27E-10	4.18E-10	2.88E-11	5.74E-10
2913	469980.94	3819028.32	1.53E-09	6.42E-09	5.78E-10	8.53E-09	1.27E-09	4.72E-09	4.15E-10	6.41E-09	1.44E-10	8.27E-10	9.86E-11	1.07E-09	1.31E-10	4.33E-10	2.98E-11	5.94E-10
2914	469989.72	3819024.84	1.58E-09	6.64E-09	5.98E-10	8.81E-09	1.32E-09	4.88E-09	4.29E-10	6.62E-09	1.49E-10	8.54E-10	1.02E-10	1.11E-09	1.36E-10	4.47E-10	3.08E-11	6.14E-10
2915	469998.5	3819021.37	1.63E-09	6.86E-09	6.18E-10	9.11E-09	1.36E-09	5.04E-09	4.43E-10	6.84E-09	1.54E-10	8.83E-10	1.05E-10	1.14E-09	1.40E-10	4.62E-10	3.19E-11	6.34E-10
2916	470007.28	3819017.89	1.69E-09	7.08E-09	6.37E-10	9.40E-09	1.40E-09	5.20E-09	4.58E-10	7.06E-09	1.59E-10	9.11E-10	1.09E-10	1.18E-09	1.45E-10	4.77E-10	3.29E-11	6.55E-10
2917	470016.05	3819014.41	1.74E-09	7.29E-09	6.57E-10	9.68E-09	1.45E-09	5.36E-09	4.71E-10	7.27E-09	1.64E-10	9.39E-10	1.12E-10	1.21E-09	1.49E-10	4.91E-10	3.39E-11	6.74E-10
2918	470024.83	3819010.94	1.78E-09	7.49E-09	6.74E-10	9.95E-09	1.49E-09	5.50E-09	4.84E-10	7.47E-09	1.68E-10	9.64E-10	1.15E-10	1.25E-09	1.53E-10	5.05E-10	3.48E-11	6.93E-10
2919	470033.61	3819007.46	1.83E-09	7.67E-09	6.91E-10	1.02E-08	1.52E-09	5.64E-09	4.96E-10	7.65E-09	1.72E-10	9.87E-10	1.18E-10	1.28E-09	1.57E-10	5.17E-10	3.56E-11	7.09E-10
2920	470042.39	3819003.98	1.87E-09	7.84E-09	7.06E-10	1.04E-08	1.55E-09	5.76E-09	5.07E-10	7.82E-09	1.76E-10	1.01E-09	1.20E-10	1.31E-09	1.60E-10	5.28E-10	3.64E-11	7.25E-10
2921	470051.17	3819000.5	1.90E-09	7.99E-09	7.19E-10	1.06E-08	1.58E-09	5.87E-09	5.16E-10	7.97E-09	1.80E-10	1.03E-09	1.23E-10	1.33E-09	1.63E-10	5.38E-10	3.71E-11	7.39E-10
2922	470059.95	3818997.03	1.93E-09	8.12E-09	7.32E-10	1.08E-08	1.61E-09	5.97E-09	5.25E-10	8.11E-09	1.83E-10	1.05E-09	1.25E-10	1.35E-09	1.66E-10	5.48E-10	3.78E-11	7.51E-10
2923	469840.14	3819205	7.08E-10	2.97E-09	2.68E-10	3.95E-09	5.90E-10	2.18E-09	1.92E-10	2.97E-09	6.69E-11	3.83E-10	4.57E-11	4.95E-10	6.08E-11	2.00E-10	1.38E-11	2.75E-10
2924	469843.85	3819196.49	7.26E-10	3.05E-09	2.75E-10	4.05E-09	6.05E-10	2.24E-09	1.97E-10	3.04E-09	6.86E-11	3.93E-10	4.68E-11	5.08E-10	6.23E-11	2.06E-10	1.42E-11	2.82E-10
2925	469847.56	3819187.98	7.46E-10	3.13E-09	2.82E-10	4.16E-09	6.21E-10	2.30E-09	2.02E-10	3.12E-09	7.04E-11	4.03E-10	4.81E-11	5.22E-10	6.40E-11	2.11E-10	1.45E-11	2.90E-10
2926	469851.27	3819179.47	7.66E-10	3.22E-09	2.90E-10	4.27E-09	6.38E-10	2.36E-09	2.08E-10	3.21E-09	7.23E-11	4.14E-10	4.94E-11	5.36E-10	6.58E-11	2.17E-10	1.49E-11	2.98E-10
2927	469854.99	3819170.96	7.88E-10	3.31E-09	2.98E-10	4.39E-09	6.56E-10	2.43E-09	2.14E-10	3.30E-09	7.44E-11	4.26E-10	5.08E-11	5.51E-10	6.76E-11	2.23E-10	1.54E-11	3.06E-10
2928	469858.7	3819162.45	8.10E-10	3.40E-09	3.06E-10	4.52E-09	6.75E-10	2.50E-09	2.20E-10	3.40E-09	7.65E-11	4.38E-10	5.23E-11	5.67E-10	6.96E-11	2.29E-10	1.58E-11	3.15E-10
2929	469862.41	3819153.94	8.33E-10	3.50E-09	3.15E-10	4.65E-09	6.94E-10	2.57E-09	2.26E-10	3.49E-09	7.87E-11	4.50E-10	5.37E-11	5.83E-10	7.15E-11	2.36E-10	1.63E-11	3.24E-10
2930	469866.12	3819145.43	8.57E-10	3.60E-09	3.24E-10	4.78E-09	7.13E-10	2.64E-09	2.33E-10	3.59E-09	8.09E-11	4.63E-10	5.52E-11	5.99E-10	7.35E-11	2.42E-10	1.67E-11	3.33E-10
2931	469869.83	3819136.92	8.80E-10	3.70E-09	3.33E-10	4.91E-09	7.33E-10	2.72E-09	2.39E-10	3.69E-09	8.31E-11	4.76E-10	5.68E-11	6.15E-10	7.55E-11	2.49E-10	1.72E-11	3.42E-10
2932	469873.54	3819128.41	9.03E-10	3.79E-09	3.41E-10	5.04E-09	7.52E-10	2.79E-09	2.45E-10	3.78E-09	8.53E-11	4.88E-10	5.82E-11	6.32E-10	7.75E-11	2.56E-10	1.76E-11	3.51E-10
2933	469877.25	3819119.9	9.26E-10	3.89E-09	3.50E-10	5.16E-09	7.71E-10	2.86E-09	2.51E-10	3.88E-09	8.74E-11	5.00E-10	5.97E-11	6.47E-10	7.95E-11	2.62E-10	1.81E-11	3.59E-10
2934	469880.97	3819111.39	9.47E-10	3.98E-09	3.58E-10	5.28E-09	7.89E-10	2.92E-09	2.57E-10	3.97E-09	8.95E-11	5.12E-10	6.11E-11	6.63E-10	8.13E-11	2.68E-10	1.85E-11	3.68E-10
2935	469888.39	3819094.37	9.88E-10	4.15E-09	3.74E-10	5.51E-09	8.23E-10	3.05E-09	2.68E-10	4.14E-09	9.33E-11	5.34E-10	6.37E-11	6.91E-10	8.48E-11	2.80E-10	1.93E-11	3.84E-10
2936	469892.1	3819085.86	1.01E-09	4.22E-09	3.80E-10	5.61E-09	8.38E-10	3.10E-09	2.73E-10	4.22E-09	9.50E-11	5.44E-10	6.49E-11	7.04E-10	8.64E-11	2.85E-10	1.96E-11	3.91E-10
2937	469895.81	3819077.35	1.02E-09	4.29E-09	3.87E-10	5.70E-09	8.52E-10	3.16E-09	2.78E-10	4.28E-09	9.66E-11	5.53E-10	6.60E-11	7.15E-10	8.78E-11	2.89E-10	2.00E-11	3.97E-10
2938	469899.52	3819068.84	1.04E-09	4.36E-09	3.92E-10	5.79E-09	8.64E-10	3.20E-09	2.82E-10	4.35E-09	9.80E-11	5.61E-10	6.69E-11	7.26E-10	8.90E-11	2.94E-10	2.02E-11	4.03E-10
2939	469903.23	3819060.33	1.05E-09	4.41E-09	3.97E-10	5.86E-09	8.75E-10	3.24E-09	2.85E-10	4.40E-09	9.92E-11	5.68E-10	6.77E-11	7.35E-10	9.02E-11	2.97E-10	2.05E-11	4.08E-10
2940	469906.95	3819051.82	1.06E-09	4.46E-09	4.01E-10	5.92E-09	8.84E-10	3.27E-09	2.88E-10	4.45E-09	1.00E-10	5.74E-10	6.84E-11	7.42E-10	9.11E-11	3.00E-10	2.07E-11	4.12E-10
2941	469910.66	3819043.31	1.07E-09	4.49E-09	4.05E-10	5.97E-09	8.91E-10	3.30E-09	2.90E-10	4.48E-09	1.01E-10	5.78E-10	6.90E-11	7.48E-10	9.18E-11	3.03E-10	2.09E-11	4.16E-10
2942	469923	3819031.38	1.12E-09	4.72E-09	4.25E-10	6.26E-09	9.35E-10	3.46E-09	3.05E-10	4.70E-09	1.06E-10	6.07E-10	7.24E-11	7.85E-10	9.64E-11	3.18E-10	2.19E-11	4.36E-10
2943	469931.63	3819027.96	1.17E-09	4.91E-09	4.42E-10	6.52E-09	9.74E-10	3.61E-09	3.17E-10	4.90E-09	1.10E-10	6.32E-10	7.54E-11	8.18E-10	1.00E-10	3.31E-10	2.28E-11	4.54E-10
2944	469940.26	3819024.54	1.22E-09	5.11E-09	4.60E-10	6.78E-09	1.01E-09	3.75E-09	3.30E-10	5.10E-09	1.15E-10	6.58E-10	7.85E-11	8.51E-10	1.04E-10	3.44E-10	2.37E-11	4.72E-10
2945	469948.9	3819021.12	1.26E-09	5.31E-09	4.78E-10	7.05E-09	1.05E-09	3.90E-09	3.43E-10	5.29E-09	1.19E-10	6.83E-10	8.15E-11	8.84E-10	1.08E-10	3.58E-10	2.47E-11	4.91E-10
2946	469957.53	3819017.71	1.31E-09	5.50E-09	4.95E-10	7.31E-09	1.09E-09	4.04E-09	3.56E-10	5.49E-09	1.24E-10	7.08E-10	8.45E-11	9.16E-10	1.12E-10	3.71E-10	2.56E-11	5.09E-10

2947	469966.16	3819014.29	1.35E-09	5.69E-09	5.12E-10	7.55E-09	1.13E-09	4.18E-09	3.68E-10	5.67E-09	1.28E-10	7.32E-10	8.73E-11	9.47E-10	1.16E-10	3.83E-10	2.64E-11	5.26E-10
2948	469974.79	3819010.87	1.40E-09	5.86E-09	5.28E-10	7.79E-09	1.16E-09	4.31E-09	3.79E-10	5.85E-09	1.32E-10	7.55E-10	9.01E-11	9.77E-10	1.20E-10	3.95E-10	2.72E-11	5.42E-10
2949	469983.42	3819007.45	1.44E-09	6.04E-09	5.44E-10	8.02E-09	1.20E-09	4.44E-09	3.90E-10	6.03E-09	1.36E-10	7.78E-10	9.28E-11	1.01E-09	1.23E-10	4.07E-10	2.81E-11	5.59E-10
2950	469992.06	3819004.03	1.48E-09	6.22E-09	5.60E-10	8.26E-09	1.23E-09	4.57E-09	4.02E-10	6.20E-09	1.40E-10	8.00E-10	9.55E-11	1.04E-09	1.27E-10	4.19E-10	2.89E-11	5.75E-10
2951	470000.69	3819000.61	1.52E-09	6.40E-09	5.76E-10	8.50E-09	1.27E-09	4.70E-09	4.14E-10	6.39E-09	1.44E-10	8.24E-10	9.83E-11	1.07E-09	1.31E-10	4.31E-10	2.97E-11	5.92E-10
2952	470009.32	3818997.19	1.57E-09	6.58E-09	5.92E-10	8.74E-09	1.30E-09	4.83E-09	4.25E-10	6.56E-09	1.48E-10	8.47E-10	1.01E-10	1.10E-09	1.34E-10	4.43E-10	3.06E-11	6.08E-10
2953	470061.11	3818976.68	1.76E-09	7.38E-09	6.65E-10	9.80E-09	1.46E-09	5.42E-09	4.77E-10	7.36E-09	1.66E-10	9.50E-10	1.13E-10	1.23E-09	1.51E-10	4.97E-10	3.43E-11	6.82E-10
2954	470069.74	3818973.26	1.78E-09	7.47E-09	6.72E-10	9.92E-09	1.48E-09	5.49E-09	4.83E-10	7.45E-09	1.68E-10	9.61E-10	1.15E-10	1.24E-09	1.53E-10	5.03E-10	3.47E-11	6.91E-10
2955	470078.37	3818969.84	1.79E-09	7.54E-09	6.79E-10	1.00E-08	1.49E-09	5.54E-09	4.87E-10	7.52E-09	1.69E-10	9.70E-10	1.16E-10	1.26E-09	1.54E-10	5.08E-10	3.50E-11	6.97E-10
2956	470087.01	3818966.42	1.81E-09	7.60E-09	6.84E-10	1.01E-08	1.51E-09	5.58E-09	4.91E-10	7.58E-09	1.71E-10	9.78E-10	1.17E-10	1.27E-09	1.55E-10	5.12E-10	3.53E-11	7.03E-10
2957	470095.64	3818963.01	1.82E-09	7.64E-09	6.88E-10	1.02E-08	1.52E-09	5.62E-09	4.94E-10	7.63E-09	1.72E-10	9.84E-10	1.17E-10	1.27E-09	1.56E-10	5.15E-10	3.55E-11	7.07E-10
2958	470104.27	3818959.59	1.83E-09	7.67E-09	6.91E-10	1.02E-08	1.52E-09	5.64E-09	4.96E-10	7.66E-09	1.73E-10	9.88E-10	1.18E-10	1.28E-09	1.57E-10	5.17E-10	3.57E-11	7.10E-10
2959	469820.44	3819203.92	6.23E-10	2.62E-09	2.36E-10	3.47E-09	5.19E-10	1.92E-09	1.69E-10	2.61E-09	5.88E-11	3.37E-10	4.02E-11	4.36E-10	5.35E-11	1.76E-10	1.22E-11	2.42E-10
2960	469843.31	3819151.49	7.32E-10	3.07E-09	2.77E-10	4.08E-09	6.10E-10	2.26E-09	1.99E-10	3.07E-09	6.91E-11	3.96E-10	4.72E-11	5.12E-10	6.29E-11	2.07E-10	1.43E-11	2.84E-10
2961	469847.12	3819142.75	7.53E-10	3.16E-09	2.85E-10	4.20E-09	6.27E-10	2.32E-09	2.04E-10	3.16E-09	7.11E-11	4.07E-10	4.86E-11	5.27E-10	6.46E-11	2.13E-10	1.47E-11	2.92E-10
2962	469850.93	3819134.01	7.74E-10	3.25E-09	2.93E-10	4.32E-09	6.45E-10	2.39E-09	2.10E-10	3.24E-09	7.31E-11	4.18E-10	4.99E-11	5.41E-10	6.64E-11	2.19E-10	1.51E-11	3.01E-10
2963	469854.74	3819125.28	7.95E-10	3.34E-09	3.01E-10	4.43E-09	6.62E-10	2.45E-09	2.16E-10	3.33E-09	7.51E-11	4.30E-10	5.13E-11	5.56E-10	6.82E-11	2.25E-10	1.55E-11	3.09E-10
2964	469858.55	3819116.54	8.16E-10	3.43E-09	3.08E-10	4.55E-09	6.79E-10	2.52E-09	2.21E-10	3.42E-09	7.70E-11	4.41E-10	5.26E-11	5.71E-10	7.00E-11	2.31E-10	1.59E-11	3.17E-10
2965	469869.98	3819090.32	8.74E-10	3.67E-09	3.31E-10	4.87E-09	7.28E-10	2.70E-09	2.37E-10	3.66E-09	8.25E-11	4.72E-10	5.64E-11	6.11E-10	7.50E-11	2.47E-10	1.71E-11	3.39E-10
2966	469873.79	3819081.59	8.91E-10	3.74E-09	3.37E-10	4.97E-09	7.42E-10	2.75E-09	2.42E-10	3.74E-09	8.42E-11	4.82E-10	5.75E-11	6.24E-10	7.65E-11	2.52E-10	1.74E-11	3.46E-10
2967	469877.6	3819072.85	9.08E-10	3.81E-09	3.43E-10	5.06E-09	7.56E-10	2.80E-09	2.46E-10	3.80E-09	8.57E-11	4.91E-10	5.85E-11	6.35E-10	7.79E-11	2.57E-10	1.77E-11	3.53E-10
2968	469881.42	3819064.11	9.22E-10	3.87E-09	3.49E-10	5.14E-09	7.68E-10	2.85E-09	2.50E-10	3.86E-09	8.71E-11	4.99E-10	5.95E-11	6.45E-10	7.92E-11	2.61E-10	1.80E-11	3.58E-10
2969	469885.23	3819055.37	9.36E-10	3.93E-09	3.54E-10	5.22E-09	7.79E-10	2.89E-09	2.54E-10	3.92E-09	8.83E-11	5.06E-10	6.03E-11	6.54E-10	8.03E-11	2.65E-10	1.83E-11	3.63E-10
2970	469889.04	3819046.63	9.47E-10	3.98E-09	3.58E-10	5.28E-09	7.89E-10	2.92E-09	2.57E-10	3.97E-09	8.94E-11	5.12E-10	6.11E-11	6.62E-10	8.13E-11	2.68E-10	1.85E-11	3.68E-10
2971	469892.85	3819037.89	9.57E-10	4.02E-09	3.62E-10	5.34E-09	7.97E-10	2.95E-09	2.60E-10	4.01E-09	9.04E-11	5.17E-10	6.17E-11	6.69E-10	8.21E-11	2.71E-10	1.87E-11	3.72E-10
2972	469896.66	3819029.16	9.65E-10	4.05E-09	3.65E-10	5.38E-09	8.04E-10	2.98E-09	2.62E-10	4.04E-09	9.11E-11	5.22E-10	6.22E-11	6.75E-10	8.28E-11	2.73E-10	1.88E-11	3.75E-10
2973	469909.33	3819016.91	1.01E-09	4.25E-09	3.83E-10	5.64E-09	8.43E-10	3.12E-09	2.75E-10	4.24E-09	9.55E-11	5.47E-10	6.53E-11	7.08E-10	8.68E-11	2.86E-10	1.97E-11	3.93E-10
2974	469918.2	3819013.4	1.05E-09	4.42E-09	3.98E-10	5.87E-09	8.77E-10	3.25E-09	2.86E-10	4.41E-09	9.94E-11	5.69E-10	6.79E-11	7.36E-10	9.04E-11	2.98E-10	2.05E-11	4.09E-10
2975	469927.06	3819009.89	1.09E-09	4.59E-09	4.13E-10	6.10E-09	9.11E-10	3.37E-09	2.97E-10	4.58E-09	1.03E-10	5.91E-10	7.05E-11	7.65E-10	9.39E-11	3.09E-10	2.13E-11	4.25E-10
2976	469935.92	3819006.38	1.13E-09	4.76E-09	4.29E-10	6.32E-09	9.44E-10	3.50E-09	3.08E-10	4.75E-09	1.07E-10	6.13E-10	7.31E-11	7.93E-10	9.73E-11	3.21E-10	2.21E-11	4.40E-10
2977	469944.79	3819002.87	1.17E-09	4.93E-09	4.44E-10	6.55E-09	9.78E-10	3.62E-09	3.19E-10	4.92E-09	1.11E-10	6.35E-10	7.57E-11	8.21E-10	1.01E-10	3.32E-10	2.29E-11	4.56E-10
2978	469953.65	3818999.36	1.21E-09	5.10E-09	4.59E-10	6.77E-09	1.01E-09	3.75E-09	3.29E-10	5.09E-09	1.15E-10	6.56E-10	7.83E-11	8.49E-10	1.04E-10	3.44E-10	2.37E-11	4.71E-10
2979	469962.51	3818995.85	1.25E-09	5.26E-09	4.74E-10	6.99E-09	1.04E-09	3.86E-09	3.40E-10	5.25E-09	1.18E-10	6.77E-10	8.08E-11	8.76E-10	1.08E-10	3.55E-10	2.44E-11	4.86E-10
2980	470006.83	3818978.29	1.44E-09	6.03E-09	5.43E-10	8.01E-09	1.20E-09	4.43E-09	3.90E-10	6.02E-09	1.36E-10	7.76E-10	9.26E-11	1.00E-09	1.23E-10	4.06E-10	2.80E-11	5.58E-10
2981	470015.69	3818974.78	1.47E-09	6.17E-09	5.56E-10	8.20E-09	1.22E-09	4.54E-09	3.99E-10	6.16E-09	1.39E-10	7.95E-10	9.48E-11	1.03E-09	1.26E-10	4.16E-10	2.87E-11	5.71E-10
2982	470024.55	3818971.27	1.50E-09	6.30E-09	5.68E-10	8.37E-09	1.25E-09	4.63E-09	4.07E-10	6.29E-09	1.42E-10	8.11E-10	9.68E-11	1.05E-09	1.29E-10	4.25E-10	2.93E-11	5.83E-10
2983	470051.14	3818960.74	1.58E-09	6.62E-09	5.96E-10	8.79E-09	1.31E-09	4.86E-09	4.28E-10	6.60E-09	1.49E-10	8.52E-10	1.02E-10	1.10E-09	1.35E-10	4.46E-10	3.08E-11	6.12E-10
2984	470060.01	3818957.23	1.60E-09	6.70E-09	6.04E-10	8.90E-09	1.33E-09	4.92E-09	4.33E-10	6.69E-09	1.51E-10	8.63E-10	1.03E-10	1.12E-09	1.37E-10	4.52E-10	3.11E-11	6.20E-10
2985	470068.87	3818953.72	1.61E-09	6.77E-09	6.10E-10	8.99E-09	1.34E-09	4.98E-09	4.38E-10	6.76E-09	1.52E-10	8.72E-10	1.04E-10	1.13E-09	1.38E-10	4.56E-10	3.15E-11	6.26E-10
2986	470077.73	3818950.21	1.63E-09	6.83E-09	6.15E-10	9.07E-09	1.35E-09	5.02E-09	4.41E-10	6.81E-09	1.54E-10	8.79E-10	1.05E-10	1.14E-09	1.40E-10	4.60E-10	3.17E-11	6.31E-10
2987	470086.6	3818946.7	1.64E-09	6.88E-09	6.19E-10	9.13E-09	1.36E-09	5.05E-09	4.44E-10	6.86E-09	1.55E-10	8.85E-10	1.06E-10	1.15E-09	1.41E-10	4.63E-10	3.19E-11	6.36E-10
2988	470095.46	3818943.19	1.65E-09	6.91E-09	6.22E-10	9.18E-09	1.37E-09	5.08E-09	4.47E-10	6.90E-09	1.55E-10	8.90E-10	1.06E-10	1.15E-09	1.41E-10	4.66E-10	3.21E-11	6.39E-10
2989	470104.32	3818939.68	1.65E-09	6.93E-09	6.24E-10	9.21E-09	1.37E-09	5.09E-09	4.48E-10	6.92E-09	1.56E-10	8.92E-10	1.06E-10	1.15E-09	1.42E-10	4.67E-10	3.22E-11	6.41E-10
2990	469780.54	3819202.92	4.91E-10	2.06E-09	1.86E-10	2.74E-09	4.09E-10	1.51E-09	1.33E-10	2.06E-09	4.63E-11	2.65E-10	3.16E-11	3.43E-10	4.21E-11	1.39E-10	9.57E-12	1.91E-10
2991	469784.37	3819194.12	5.01E-10	2.11E-09	1.90E-10	2.80E-09	4.18E-10	1.55E-09	1.36E-10	2.10E-09	4.73E-11	2.71E-10	3.23E-11	3.51E-10	4.30E-11	1.42E-10	9.78E-12	1.95E-10
2992	469788.21	3819185.32	5.13E-10	2.16E-09	1.94E-10	2.86E-09	4.27E-10	1.58E-09	1.39E-10	2.15E-09	4.85E-11	2.77E-10	3.31E-11	3.59E-10	4.41E-11	1.45E-10	1.00E-11	1.99E-10
2993	469792.05	3819176.52	5.26E-10	2.21E-09	1.99E-10	2.93E-09	4.38E-10	1.62E-09	1.43E-10	2.20E-09	4.97E-11	2.84E-10	3.39E-11	3.68E-10	4.52E-11	1.49E-10	1.03E-11	2.04E-10
2994	469795.89	3819167.71	5.40E-10	2.27E-09	2.04E-10	3.01E-09	4.49E-10	1.67E-09	1.46E-10	2.26E-09	5.10E-11	2.92E-10	3.48E-11	3.77E-10	4.63E-11	1.53E-10	1.05E-11	2.10E-10
2995	469799.73	3819158.91	5.54E-10	2.33E-09	2.10E-10	3.09E-09	4.62E-10	1.71E-09	1.50E-10	2.32E-09	5.23E-11	3.00E-10	3.57E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.15E-10
2996	469803.57	3819150.11	5.69E-10	2.39E-09	2.15E-10	3.18E-09	4.74E-10	1.76E-09	1.55E-10	2.39E-09	5.38E-11	3.08E-10	3.67E-11	3.98E-10	4.89E-11	1.61E-10	1.11E-11	2.21E-10

2997	469807.41	3819141.3	5.85E-10	2.46E-09	2.21E-10	3.26E-09	4.87E-10	1.80E-09	1.59E-10	2.45E-09	5.52E-11	3.16E-10	3.77E-11	4.09E-10	5.02E-11	1.66E-10	1.14E-11	2.27E-10
2998	469811.25	3819132.5	6.01E-10	2.52E-09	2.27E-10	3.35E-09	5.00E-10	1.85E-09	1.63E-10	2.52E-09	5.67E-11	3.25E-10	3.87E-11	4.20E-10	5.16E-11	1.70E-10	1.17E-11	2.33E-10
2999	469815.09	3819123.7	6.16E-10	2.59E-09	2.33E-10	3.43E-09	5.13E-10	1.90E-09	1.67E-10	2.58E-09	5.81E-11	3.33E-10	3.97E-11	4.31E-10	5.29E-11	1.74E-10	1.20E-11	2.39E-10
3000	469818.93	3819114.9	6.32E-10	2.65E-09	2.39E-10	3.52E-09	5.26E-10	1.95E-09	1.71E-10	2.65E-09	5.96E-11	3.41E-10	4.07E-11	4.42E-10	5.42E-11	1.79E-10	1.23E-11	2.45E-10
3001	469822.76	3819106.09	6.48E-10	2.72E-09	2.45E-10	3.61E-09	5.39E-10	2.00E-09	1.76E-10	2.71E-09	6.12E-11	3.50E-10	4.18E-11	4.53E-10	5.56E-11	1.83E-10	1.26E-11	2.52E-10
3002	469845.8	3819053.28	7.40E-10	3.11E-09	2.80E-10	4.13E-09	6.17E-10	2.28E-09	2.01E-10	3.10E-09	6.99E-11	4.00E-10	4.77E-11	5.18E-10	6.35E-11	2.10E-10	1.44E-11	2.88E-10
3003	469849.64	3819044.47	7.52E-10	3.16E-09	2.85E-10	4.20E-09	6.27E-10	2.32E-09	2.04E-10	3.15E-09	7.11E-11	4.07E-10	4.85E-11	5.26E-10	6.46E-11	2.13E-10	1.47E-11	2.92E-10
3004	469853.48	3819035.67	7.64E-10	3.21E-09	2.89E-10	4.26E-09	6.36E-10	2.36E-09	2.07E-10	3.20E-09	7.21E-11	4.13E-10	4.93E-11	5.34E-10	6.56E-11	2.16E-10	1.49E-11	2.97E-10
3005	469857.32	3819026.87	7.74E-10	3.25E-09	2.93E-10	4.31E-09	6.44E-10	2.39E-09	2.10E-10	3.24E-09	7.30E-11	4.18E-10	4.99E-11	5.41E-10	6.64E-11	2.19E-10	1.51E-11	3.00E-10
3006	469861.15	3819018.06	7.82E-10	3.29E-09	2.96E-10	4.36E-09	6.52E-10	2.41E-09	2.12E-10	3.28E-09	7.39E-11	4.23E-10	5.05E-11	5.47E-10	6.72E-11	2.21E-10	1.53E-11	3.04E-10
3007	469864.99	3819009.26	7.90E-10	3.32E-09	2.99E-10	4.40E-09	6.58E-10	2.44E-09	2.14E-10	3.31E-09	7.46E-11	4.27E-10	5.09E-11	5.52E-10	6.78E-11	2.24E-10	1.54E-11	3.07E-10
3008	469868.83	3819000.46	7.96E-10	3.34E-09	3.01E-10	4.44E-09	6.63E-10	2.46E-09	2.16E-10	3.33E-09	7.51E-11	4.30E-10	5.13E-11	5.57E-10	6.83E-11	2.25E-10	1.55E-11	3.09E-10
3009	469908.39	3818977.51	9.24E-10	3.88E-09	3.49E-10	5.15E-09	7.70E-10	2.85E-09	2.51E-10	3.87E-09	8.72E-11	4.99E-10	5.96E-11	6.46E-10	7.93E-11	2.62E-10	1.80E-11	3.59E-10
3010	469917.32	3818973.97	9.54E-10	4.01E-09	3.61E-10	5.32E-09	7.94E-10	2.94E-09	2.59E-10	4.00E-09	9.01E-11	5.16E-10	6.15E-11	6.67E-10	8.19E-11	2.70E-10	1.86E-11	3.70E-10
3011	469926.24	3818970.44	9.84E-10	4.13E-09	3.72E-10	5.49E-09	8.19E-10	3.04E-09	2.67E-10	4.12E-09	9.29E-11	5.32E-10	6.34E-11	6.88E-10	8.44E-11	2.78E-10	1.92E-11	3.82E-10
3012	469935.17	3818966.9	1.01E-09	4.26E-09	3.83E-10	5.65E-09	8.44E-10	3.13E-09	2.75E-10	4.25E-09	9.57E-11	5.48E-10	6.54E-11	7.09E-10	8.70E-11	2.87E-10	1.98E-11	3.94E-10
3013	469944.1	3818963.36	1.04E-09	4.38E-09	3.95E-10	5.82E-09	8.69E-10	3.22E-09	2.83E-10	4.37E-09	9.85E-11	5.64E-10	6.73E-11	7.30E-10	8.96E-11	2.95E-10	2.04E-11	4.05E-10
3014	469953.03	3818959.83	1.07E-09	4.50E-09	4.06E-10	5.98E-09	8.93E-10	3.31E-09	2.91E-10	4.49E-09	1.01E-10	5.80E-10	6.92E-11	7.50E-10	9.20E-11	3.04E-10	2.09E-11	4.16E-10
3015	469961.96	3818956.29	1.10E-09	4.62E-09	4.16E-10	6.14E-09	9.17E-10	3.40E-09	2.99E-10	4.61E-09	1.04E-10	5.95E-10	7.10E-11	7.70E-10	9.45E-11	3.11E-10	2.15E-11	4.27E-10
3016	469970.89	3818952.76	1.13E-09	4.74E-09	4.27E-10	6.29E-09	9.39E-10	3.48E-09	3.06E-10	4.73E-09	1.07E-10	6.10E-10	7.28E-11	7.89E-10	9.68E-11	3.19E-10	2.20E-11	4.38E-10
3017	469979.82	3818949.22	1.15E-09	4.85E-09	4.37E-10	6.44E-09	9.62E-10	3.56E-09	3.13E-10	4.84E-09	1.09E-10	6.24E-10	7.45E-11	8.08E-10	9.91E-11	3.27E-10	2.25E-11	4.49E-10
3018	469988.75	3818945.68	1.18E-09	4.96E-09	4.47E-10	6.59E-09	9.84E-10	3.64E-09	3.21E-10	4.95E-09	1.12E-10	6.38E-10	7.62E-11	8.26E-10	1.01E-10	3.34E-10	2.30E-11	4.59E-10
3019	469997.68	3818942.15	1.21E-09	5.07E-09	4.56E-10	6.73E-09	1.01E-09	3.72E-09	3.28E-10	5.06E-09	1.14E-10	6.52E-10	7.78E-11	8.44E-10	1.04E-10	3.42E-10	2.35E-11	4.69E-10
3020	470006.6	3818938.61	1.23E-09	5.17E-09	4.65E-10	6.86E-09	1.02E-09	3.80E-09	3.34E-10	5.16E-09	1.16E-10	6.65E-10	7.94E-11	8.61E-10	1.06E-10	3.48E-10	2.40E-11	4.78E-10
3021	470015.53	3818935.07	1.25E-09	5.26E-09	4.74E-10	6.99E-09	1.04E-09	3.87E-09	3.40E-10	5.25E-09	1.18E-10	6.77E-10	8.08E-11	8.76E-10	1.08E-10	3.55E-10	2.44E-11	4.87E-10
3022	470024.46	3818931.54	1.27E-09	5.34E-09	4.81E-10	7.10E-09	1.06E-09	3.93E-09	3.45E-10	5.33E-09	1.20E-10	6.88E-10	8.21E-11	8.90E-10	1.09E-10	3.60E-10	2.48E-11	4.94E-10
3023	470051.25	3818920.93	1.32E-09	5.55E-09	5.00E-10	7.37E-09	1.10E-09	4.08E-09	3.59E-10	5.54E-09	1.25E-10	7.14E-10	8.52E-11	9.24E-10	1.13E-10	3.74E-10	2.58E-11	5.13E-10
3024	470060.18	3818917.39	1.33E-09	5.60E-09	5.04E-10	7.44E-09	1.11E-09	4.11E-09	3.62E-10	5.59E-09	1.26E-10	7.21E-10	8.60E-11	9.33E-10	1.14E-10	3.77E-10	2.60E-11	5.18E-10
3025	470069.11	3818913.86	1.34E-09	5.64E-09	5.08E-10	7.49E-09	1.12E-09	4.15E-09	3.65E-10	5.63E-09	1.27E-10	7.26E-10	8.66E-11	9.40E-10	1.15E-10	3.80E-10	2.62E-11	5.22E-10
3026	470078.03	3818910.32	1.35E-09	5.67E-09	5.11E-10	7.54E-09	1.13E-09	4.17E-09	3.67E-10	5.66E-09	1.28E-10	7.30E-10	8.71E-11	9.45E-10	1.16E-10	3.82E-10	2.64E-11	5.25E-10
3027	470086.96	3818906.78	1.36E-09	5.70E-09	5.13E-10	7.57E-09	1.13E-09	4.19E-09	3.68E-10	5.68E-09	1.28E-10	7.33E-10	8.75E-11	9.49E-10	1.16E-10	3.84E-10	2.65E-11	5.27E-10
3028	470095.89	3818903.25	1.36E-09	5.71E-09	5.14E-10	7.58E-09	1.13E-09	4.19E-09	3.69E-10	5.70E-09	1.28E-10	7.35E-10	8.77E-11	9.51E-10	1.17E-10	3.85E-10	2.65E-11	5.28E-10
3029	470104.82	3818899.71	1.36E-09	5.70E-09	5.14E-10	7.58E-09	1.13E-09	4.19E-09	3.69E-10	5.69E-09	1.28E-10	7.34E-10	8.76E-11	9.50E-10	1.17E-10	3.85E-10	2.65E-11	5.28E-10
3030	469740.24	3819202.83	3.95E-10	1.66E-09	1.49E-10	2.20E-09	3.29E-10	1.22E-09	1.07E-10	1.65E-09	3.73E-11	2.13E-10	2.55E-11	2.76E-10	3.39E-11	1.12E-10	7.70E-12	1.53E-10
3031	469743.97	3819194.26	4.02E-10	1.69E-09	1.52E-10	2.24E-09	3.35E-10	1.24E-09	1.09E-10	1.68E-09	3.80E-11	2.17E-10	2.59E-11	2.81E-10	3.45E-11	1.14E-10	7.84E-12	1.56E-10
3032	469747.71	3819185.69	4.10E-10	1.72E-09	1.55E-10	2.29E-09	3.41E-10	1.27E-09	1.11E-10	1.72E-09	3.87E-11	2.22E-10	2.64E-11	2.87E-10	3.52E-11	1.16E-10	8.00E-12	1.59E-10
3033	469751.45	3819177.12	4.19E-10	1.76E-09	1.58E-10	2.34E-09	3.49E-10	1.29E-09	1.14E-10	1.75E-09	3.95E-11	2.26E-10	2.70E-11	2.93E-10	3.59E-11	1.19E-10	8.17E-12	1.63E-10
3034	469755.19	3819168.55	4.28E-10	1.80E-09	1.62E-10	2.39E-09	3.57E-10	1.32E-09	1.16E-10	1.79E-09	4.04E-11	2.31E-10	2.76E-11	3.00E-10	3.68E-11	1.21E-10	8.35E-12	1.66E-10
3035	469758.92	3819159.98	4.38E-10	1.84E-09	1.66E-10	2.44E-09	3.65E-10	1.35E-09	1.19E-10	1.84E-09	4.14E-11	2.37E-10	2.83E-11	3.07E-10	3.76E-11	1.24E-10	8.55E-12	1.70E-10
3036	469762.66	3819151.41	4.49E-10	1.89E-09	1.70E-10	2.50E-09	3.74E-10	1.39E-09	1.22E-10	1.88E-09	4.24E-11	2.43E-10	2.90E-11	3.14E-10	3.85E-11	1.27E-10	8.76E-12	1.74E-10
3037	469766.4	3819142.84	4.60E-10	1.93E-09	1.74E-10	2.57E-09	3.83E-10	1.42E-09	1.25E-10	1.93E-09	4.35E-11	2.49E-10	2.97E-11	3.22E-10	3.95E-11	1.30E-10	8.98E-12	1.79E-10
3038	469770.13	3819134.27	4.72E-10	1.98E-09	1.78E-10	2.63E-09	3.93E-10	1.46E-09	1.28E-10	1.98E-09	4.46E-11	2.55E-10	3.04E-11	3.30E-10	4.05E-11	1.34E-10	9.21E-12	1.83E-10
3039	469773.87	3819125.7	4.83E-10	2.03E-09	1.83E-10	2.69E-09	4.02E-10	1.49E-09	1.31E-10	2.02E-09	4.56E-11	2.61E-10	3.12E-11	3.38E-10	4.15E-11	1.37E-10	9.43E-12	1.88E-10
3040	469777.61	3819117.14	4.94E-10	2.08E-09	1.87E-10	2.76E-09	4.12E-10	1.53E-09	1.34E-10	2.07E-09	4.67E-11	2.67E-10	3.19E-11	3.46E-10	4.24E-11	1.40E-10	9.65E-12	1.92E-10
3041	469781.34	3819108.57	5.06E-10	2.12E-09	1.91E-10	2.82E-09	4.21E-10	1.56E-09	1.37E-10	2.12E-09	4.78E-11	2.73E-10	3.26E-11	3.54E-10	4.34E-11	1.43E-10	9.87E-12	1.96E-10
3042	469785.08	3819100	5.18E-10	2.18E-09	1.96E-10	2.89E-09	4.32E-10	1.60E-09	1.41E-10	2.17E-09	4.89E-11	2.80E-10	3.34E-11	3.62E-10	4.45E-11	1.47E-10	1.01E-11	2.01E-10
3043	469788.82	3819091.43	5.31E-10	2.23E-09	2.01E-10	2.96E-09	4.42E-10	1.64E-09	1.44E-10	2.22E-09	5.01E-11	2.87E-10	3.42E-11	3.71E-10	4.56E-11	1.50E-10	1.04E-11	2.06E-10
3044	469792.56	3819082.86	5.44E-10	2.28E-09	2.06E-10	3.03E-09	4.53E-10	1.68E-09	1.48E-10	2.28E-09	5.13E-11	2.94E-10	3.51E-11	3.80E-10	4.67E-11	1.54E-10	1.06E-11	2.11E-10
3045	469796.29	3819074.29	5.56E-10	2.34E-09	2.10E-10	3.10E-09	4.63E-10	1.72E-09	1.51E-10	2.33E-09	5.25E-11	3.01E-10	3.59E-11	3.89E-10	4.77E-11	1.57E-10	1.09E-11	2.16E-10
3046	469800.03	3819065.72	5.68E-10	2.39E-09	2.15E-10	3.17E-09	4.73E-10	1.75E-09	1.54E-10	2.38E-09	5.37E-11	3.07E-10	3.67E-11	3.98E-10	4.88E-11	1.61E-10	1.11E-11	2.21E-10

3047	469803.77	3819057.15	5.80E-10	2.44E-09	2.19E-10	3.24E-09	4.83E-10	1.79E-09	1.58E-10	2.43E-09	5.48E-11	3.14E-10	3.74E-11	4.06E-10	4.98E-11	1.64E-10	1.13E-11	2.25E-10
3048	469807.5	3819048.58	5.92E-10	2.49E-09	2.24E-10	3.30E-09	4.93E-10	1.83E-09	1.61E-10	2.48E-09	5.59E-11	3.20E-10	3.82E-11	4.14E-10	5.08E-11	1.68E-10	1.15E-11	2.30E-10
3049	469811.24	3819040.01	6.03E-10	2.53E-09	2.28E-10	3.36E-09	5.02E-10	1.86E-09	1.64E-10	2.53E-09	5.69E-11	3.26E-10	3.89E-11	4.22E-10	5.17E-11	1.71E-10	1.18E-11	2.34E-10
3050	469814.98	3819031.44	6.14E-10	2.58E-09	2.32E-10	3.42E-09	5.11E-10	1.89E-09	1.67E-10	2.57E-09	5.80E-11	3.32E-10	3.96E-11	4.29E-10	5.27E-11	1.74E-10	1.20E-11	2.38E-10
3051	469818.72	3819022.88	6.24E-10	2.62E-09	2.36E-10	3.48E-09	5.20E-10	1.92E-09	1.69E-10	2.61E-09	5.89E-11	3.37E-10	4.02E-11	4.36E-10	5.36E-11	1.77E-10	1.22E-11	2.42E-10
3052	469822.45	3819014.31	6.33E-10	2.66E-09	2.39E-10	3.53E-09	5.27E-10	1.95E-09	1.72E-10	2.65E-09	5.98E-11	3.42E-10	4.08E-11	4.43E-10	5.44E-11	1.79E-10	1.24E-11	2.46E-10
3053	469826.19	3819005.74	6.41E-10	2.69E-09	2.43E-10	3.58E-09	5.34E-10	1.98E-09	1.74E-10	2.69E-09	6.06E-11	3.47E-10	4.14E-11	4.49E-10	5.50E-11	1.82E-10	1.25E-11	2.49E-10
3054	469841.14	3818971.46	6.64E-10	2.79E-09	2.51E-10	3.70E-09	5.53E-10	2.05E-09	1.80E-10	2.78E-09	6.27E-11	3.59E-10	4.28E-11	4.65E-10	5.70E-11	1.88E-10	1.30E-11	2.58E-10
3055	469853.57	3818959.45	6.91E-10	2.90E-09	2.62E-10	3.86E-09	5.76E-10	2.13E-09	1.88E-10	2.90E-09	6.53E-11	3.74E-10	4.46E-11	4.84E-10	5.94E-11	1.96E-10	1.35E-11	2.69E-10
3056	469862.26	3818956.01	7.15E-10	3.00E-09	2.70E-10	3.99E-09	5.95E-10	2.21E-09	1.94E-10	3.00E-09	6.75E-11	3.86E-10	4.61E-11	5.00E-10	6.14E-11	2.02E-10	1.39E-11	2.78E-10
3057	469870.95	3818952.57	7.39E-10	3.10E-09	2.79E-10	4.12E-09	6.15E-10	2.28E-09	2.00E-10	3.09E-09	6.97E-11	3.99E-10	4.76E-11	5.17E-10	6.34E-11	2.09E-10	1.44E-11	2.87E-10
3058	469879.64	3818949.12	7.62E-10	3.20E-09	2.88E-10	4.25E-09	6.35E-10	2.35E-09	2.07E-10	3.19E-09	7.20E-11	4.12E-10	4.92E-11	5.33E-10	6.54E-11	2.16E-10	1.49E-11	2.96E-10
3059	469888.33	3818945.68	7.85E-10	3.30E-09	2.97E-10	4.38E-09	6.54E-10	2.42E-09	2.13E-10	3.29E-09	7.42E-11	4.25E-10	5.07E-11	5.49E-10	6.74E-11	2.22E-10	1.53E-11	3.05E-10
3060	469897.02	3818942.24	8.09E-10	3.40E-09	3.06E-10	4.51E-09	6.74E-10	2.50E-09	2.20E-10	3.39E-09	7.64E-11	4.37E-10	5.22E-11	5.66E-10	6.94E-11	2.29E-10	1.58E-11	3.14E-10
3061	469905.72	3818938.8	8.32E-10	3.49E-09	3.15E-10	4.64E-09	6.93E-10	2.57E-09	2.26E-10	3.49E-09	7.85E-11	4.50E-10	5.36E-11	5.82E-10	7.14E-11	2.35E-10	1.62E-11	3.23E-10
3062	469914.41	3818935.35	8.54E-10	3.59E-09	3.23E-10	4.76E-09	7.12E-10	2.64E-09	2.32E-10	3.58E-09	8.07E-11	4.62E-10	5.51E-11	5.98E-10	7.33E-11	2.42E-10	1.67E-11	3.32E-10
3063	469923.1	3818931.91	8.76E-10	3.68E-09	3.31E-10	4.89E-09	7.30E-10	2.70E-09	2.38E-10	3.67E-09	8.28E-11	4.74E-10	5.65E-11	6.13E-10	7.52E-11	2.48E-10	1.71E-11	3.40E-10
3064	469931.79	3818928.47	8.98E-10	3.77E-09	3.40E-10	5.01E-09	7.48E-10	2.77E-09	2.44E-10	3.76E-09	8.48E-11	4.85E-10	5.79E-11	6.28E-10	7.71E-11	2.54E-10	1.75E-11	3.49E-10
3065	469940.48	3818925.03	9.19E-10	3.86E-09	3.48E-10	5.13E-09	7.65E-10	2.84E-09	2.49E-10	3.85E-09	8.68E-11	4.97E-10	5.93E-11	6.43E-10	7.89E-11	2.60E-10	1.79E-11	3.57E-10
3066	469949.17	3818921.58	9.39E-10	3.94E-09	3.55E-10	5.24E-09	7.82E-10	2.90E-09	2.55E-10	3.94E-09	8.87E-11	5.08E-10	6.06E-11	6.57E-10	8.06E-11	2.66E-10	1.83E-11	3.65E-10
3067	469957.87	3818918.14	9.59E-10	4.03E-09	3.63E-10	5.35E-09	7.99E-10	2.96E-09	2.60E-10	4.02E-09	9.06E-11	5.18E-10	6.19E-11	6.71E-10	8.23E-11	2.71E-10	1.87E-11	3.73E-10
3068	469966.56	3818914.7	9.79E-10	4.11E-09	3.70E-10	5.46E-09	8.16E-10	3.02E-09	2.66E-10	4.10E-09	9.25E-11	5.29E-10	6.32E-11	6.85E-10	8.41E-11	2.77E-10	1.91E-11	3.80E-10
3069	469975.25	3818911.26	9.99E-10	4.19E-09	3.78E-10	5.57E-09	8.32E-10	3.08E-09	2.71E-10	4.18E-09	9.43E-11	5.40E-10	6.44E-11	6.99E-10	8.57E-11	2.83E-10	1.95E-11	3.88E-10
3070	469983.94	3818907.81	1.02E-09	4.27E-09	3.85E-10	5.68E-09	8.48E-10	3.14E-09	2.76E-10	4.26E-09	9.61E-11	5.50E-10	6.56E-11	7.12E-10	8.74E-11	2.88E-10	1.99E-11	3.95E-10
3071	469992.63	3818904.37	1.04E-09	4.35E-09	3.92E-10	5.77E-09	8.62E-10	3.19E-09	2.81E-10	4.34E-09	9.78E-11	5.60E-10	6.68E-11	7.24E-10	8.89E-11	2.93E-10	2.02E-11	4.02E-10
3072	470001.32	3818900.93	1.05E-09	4.41E-09	3.97E-10	5.86E-09	8.75E-10	3.24E-09	2.85E-10	4.40E-09	9.92E-11	5.68E-10	6.78E-11	7.35E-10	9.02E-11	2.97E-10	2.05E-11	4.08E-10
3073	470010.02	3818897.49	1.07E-09	4.47E-09	4.03E-10	5.94E-09	8.88E-10	3.29E-09	2.89E-10	4.47E-09	1.01E-10	5.76E-10	6.87E-11	7.45E-10	9.15E-11	3.02E-10	2.08E-11	4.14E-10
3074	470018.71	3818894.04	1.08E-09	4.53E-09	4.08E-10	6.02E-09	8.99E-10	3.33E-09	2.93E-10	4.52E-09	1.02E-10	5.83E-10	6.96E-11	7.55E-10	9.26E-11	3.05E-10	2.11E-11	4.19E-10
3075	470027.4	3818890.6	1.09E-09	4.58E-09	4.13E-10	6.09E-09	9.09E-10	3.37E-09	2.96E-10	4.57E-09	1.03E-10	5.90E-10	7.04E-11	7.64E-10	9.37E-11	3.09E-10	2.13E-11	4.24E-10
3076	470044.78	3818883.72	1.11E-09	4.67E-09	4.21E-10	6.21E-09	9.27E-10	3.44E-09	3.02E-10	4.66E-09	1.05E-10	6.02E-10	7.18E-11	7.79E-10	9.56E-11	3.15E-10	2.17E-11	4.32E-10
3077	470053.47	3818880.27	1.12E-09	4.71E-09	4.24E-10	6.26E-09	9.34E-10	3.46E-09	3.05E-10	4.70E-09	1.06E-10	6.06E-10	7.24E-11	7.85E-10	9.63E-11	3.18E-10	2.19E-11	4.36E-10
3078	470062.16	3818876.83	1.13E-09	4.74E-09	4.27E-10	6.30E-09	9.40E-10	3.48E-09	3.06E-10	4.73E-09	1.07E-10	6.10E-10	7.28E-11	7.90E-10	9.69E-11	3.20E-10	2.20E-11	4.39E-10
3079	470070.86	3818873.39	1.13E-09	4.76E-09	4.29E-10	6.33E-09	9.45E-10	3.50E-09	3.08E-10	4.75E-09	1.07E-10	6.13E-10	7.32E-11	7.94E-10	9.74E-11	3.21E-10	2.21E-11	4.41E-10
3080	470079.55	3818869.95	1.14E-09	4.78E-09	4.31E-10	6.35E-09	9.48E-10	3.51E-09	3.09E-10	4.77E-09	1.08E-10	6.15E-10	7.34E-11	7.96E-10	9.77E-11	3.22E-10	2.22E-11	4.42E-10
3081	470088.24	3818866.51	1.14E-09	4.79E-09	4.31E-10	6.36E-09	9.50E-10	3.52E-09	3.10E-10	4.78E-09	1.08E-10	6.17E-10	7.36E-11	7.98E-10	9.79E-11	3.23E-10	2.23E-11	4.43E-10
3082	470096.93	3818863.06	1.14E-09	4.79E-09	4.31E-10	6.36E-09	9.50E-10	3.52E-09	3.10E-10	4.78E-09	1.08E-10	6.17E-10	7.36E-11	7.98E-10	9.79E-11	3.23E-10	2.23E-11	4.43E-10
3083	470105.62	3818859.62	1.14E-09	4.78E-09	4.31E-10	6.35E-09	9.49E-10	3.51E-09	3.09E-10	4.77E-09	1.08E-10	6.16E-10	7.35E-11	7.97E-10	9.78E-11	3.22E-10	2.22E-11	4.42E-10
3084	469704.1	3819193.19	3.30E-10	1.39E-09	1.25E-10	1.84E-09	2.75E-10	1.02E-09	8.95E-11	1.38E-09	3.11E-11	1.78E-10	2.13E-11	2.31E-10	2.83E-11	9.34E-11	6.44E-12	1.28E-10
3085	469707.86	3819184.56	3.36E-10	1.41E-09	1.27E-10	1.87E-09	2.79E-10	1.04E-09	9.11E-11	1.41E-09	3.17E-11	1.81E-10	2.16E-11	2.35E-10	2.88E-11	9.50E-11	6.55E-12	1.30E-10
3086	469711.63	3819175.92	3.42E-10	1.44E-09	1.29E-10	1.91E-09	2.85E-10	1.05E-09	9.28E-11	1.43E-09	3.23E-11	1.85E-10	2.21E-11	2.39E-10	2.93E-11	9.68E-11	6.67E-12	1.33E-10
3087	469715.4	3819167.28	3.49E-10	1.46E-09	1.32E-10	1.95E-09	2.91E-10	1.08E-09	9.47E-11	1.46E-09	3.29E-11	1.89E-10	2.25E-11	2.44E-10	2.99E-11	9.87E-11	6.81E-12	1.35E-10
3088	469719.16	3819158.65	3.56E-10	1.50E-09	1.35E-10	1.99E-09	2.97E-10	1.10E-09	9.67E-11	1.49E-09	3.36E-11	1.93E-10	2.30E-11	2.49E-10	3.06E-11	1.01E-10	6.95E-12	1.38E-10
3089	469722.93	3819150.01	3.64E-10	1.53E-09	1.38E-10	2.03E-09	3.03E-10	1.12E-09	9.89E-11	1.53E-09	3.44E-11	1.97E-10	2.35E-11	2.55E-10	3.13E-11	1.03E-10	7.11E-12	1.41E-10
3090	469726.69	3819141.38	3.73E-10	1.57E-09	1.41E-10	2.08E-09	3.10E-10	1.15E-09	1.01E-10	1.56E-09	3.52E-11	2.01E-10	2.40E-11	2.61E-10	3.20E-11	1.06E-10	7.27E-12	1.45E-10
3091	469730.46	3819132.74	3.82E-10	1.60E-09	1.44E-10	2.13E-09	3.18E-10	1.18E-09	1.04E-10	1.60E-09	3.60E-11	2.06E-10	2.46E-11	2.67E-10	3.28E-11	1.08E-10	7.45E-12	1.48E-10
3092	469734.23	3819124.11	3.91E-10	1.64E-09	1.48E-10	2.18E-09	3.26E-10	1.21E-09	1.06E-10	1.64E-09	3.69E-11	2.11E-10	2.52E-11	2.74E-10	3.36E-11	1.11E-10	7.63E-12	1.52E-10
3093	469737.99	3819115.47	4.01E-10	1.68E-09	1.52E-10	2.23E-09	3.34E-10	1.24E-09	1.09E-10	1.68E-09	3.78E-11	2.17E-10	2.58E-11	2.80E-10	3.44E-11	1.13E-10	7.82E-12	1.56E-10
3094	469741.76	3819106.84	4.11E-10	1.72E-09	1.55E-10	2.29E-09	3.42E-10	1.27E-09	1.11E-10	1.72E-09	3.88E-11	2.22E-10	2.65E-11	2.87E-10	3.53E-11	1.16E-10	8.01E-12	1.60E-10
3095	469745.52	3819098.2	4.20E-10	1.76E-09	1.59E-10	2.34E-09	3.50E-10	1.30E-09	1.14E-10	1.76E-09	3.97E-11	2.27E-10	2.71E-11	2.94E-10	3.60E-11	1.19E-10	8.19E-12	1.63E-10
3096	469749.29	3819089.57	4.29E-10	1.80E-09	1.62E-10	2.39E-09	3.58E-10	1.32E-09	1.17E-10	1.80E-09	4.05E-11	2.32E-10	2.77E-11	3.00E-10	3.69E-11	1.22E-10	8.38E-12	1.67E-10

3097	469753.06	3819080.93	4.39E-10	1.84E-09	1.66E-10	2.45E-09	3.65E-10	1.35E-09	1.19E-10	1.84E-09	4.14E-11	2.37E-10	2.83E-11	3.07E-10	3.77E-11	1.24E-10	8.56E-12	1.70E-10
3098	469756.82	3819072.3	4.49E-10	1.88E-09	1.70E-10	2.50E-09	3.74E-10	1.38E-09	1.22E-10	1.88E-09	4.24E-11	2.43E-10	2.89E-11	3.14E-10	3.85E-11	1.27E-10	8.76E-12	1.74E-10
3099	469760.59	3819063.66	4.59E-10	1.93E-09	1.74E-10	2.56E-09	3.82E-10	1.42E-09	1.25E-10	1.92E-09	4.33E-11	2.48E-10	2.96E-11	3.21E-10	3.94E-11	1.30E-10	8.96E-12	1.78E-10
3100	469764.35	3819055.02	4.69E-10	1.97E-09	1.77E-10	2.62E-09	3.91E-10	1.45E-09	1.27E-10	1.97E-09	4.43E-11	2.54E-10	3.03E-11	3.28E-10	4.03E-11	1.33E-10	9.15E-12	1.82E-10
3101	469768.12	3819046.39	4.79E-10	2.01E-09	1.81E-10	2.67E-09	3.99E-10	1.48E-09	1.30E-10	2.01E-09	4.53E-11	2.59E-10	3.09E-11	3.35E-10	4.11E-11	1.36E-10	9.35E-12	1.86E-10
3102	469771.89	3819037.75	4.89E-10	2.05E-09	1.85E-10	2.73E-09	4.07E-10	1.51E-09	1.33E-10	2.05E-09	4.62E-11	2.64E-10	3.15E-11	3.42E-10	4.20E-11	1.38E-10	9.54E-12	1.90E-10
3103	469775.65	3819029.12	4.98E-10	2.09E-09	1.89E-10	2.78E-09	4.15E-10	1.54E-09	1.35E-10	2.09E-09	4.71E-11	2.69E-10	3.21E-11	3.49E-10	4.28E-11	1.41E-10	9.73E-12	1.94E-10
3104	469779.42	3819020.48	5.08E-10	2.13E-09	1.92E-10	2.83E-09	4.23E-10	1.57E-09	1.38E-10	2.13E-09	4.79E-11	2.74E-10	3.27E-11	3.55E-10	4.36E-11	1.44E-10	9.90E-12	1.97E-10
3105	469783.18	3819011.85	5.16E-10	2.17E-09	1.95E-10	2.88E-09	4.30E-10	1.59E-09	1.40E-10	2.16E-09	4.87E-11	2.79E-10	3.33E-11	3.61E-10	4.43E-11	1.46E-10	1.01E-11	2.00E-10
3106	469786.95	3819003.21	5.24E-10	2.20E-09	1.98E-10	2.92E-09	4.37E-10	1.62E-09	1.42E-10	2.20E-09	4.95E-11	2.83E-10	3.38E-11	3.67E-10	4.50E-11	1.48E-10	1.02E-11	2.04E-10
3107	469798.25	3818977.31	5.45E-10	2.29E-09	2.06E-10	3.04E-09	4.54E-10	1.68E-09	1.48E-10	2.28E-09	5.15E-11	2.95E-10	3.52E-11	3.81E-10	4.68E-11	1.54E-10	1.06E-11	2.12E-10
3108	469802.01	3818968.67	5.51E-10	2.31E-09	2.08E-10	3.07E-09	4.59E-10	1.70E-09	1.50E-10	2.31E-09	5.20E-11	2.98E-10	3.55E-11	3.85E-10	4.73E-11	1.56E-10	1.07E-11	2.14E-10
3109	469805.78	3818960.04	5.56E-10	2.34E-09	2.10E-10	3.10E-09	4.63E-10	1.72E-09	1.51E-10	2.33E-09	5.25E-11	3.01E-10	3.59E-11	3.89E-10	4.77E-11	1.57E-10	1.09E-11	2.16E-10
3110	469809.55	3818951.4	5.61E-10	2.35E-09	2.12E-10	3.13E-09	4.67E-10	1.73E-09	1.52E-10	2.35E-09	5.29E-11	3.03E-10	3.62E-11	3.92E-10	4.81E-11	1.59E-10	1.09E-11	2.18E-10
3111	469813.31	3818942.76	5.64E-10	2.37E-09	2.13E-10	3.14E-09	4.69E-10	1.74E-09	1.53E-10	2.36E-09	5.32E-11	3.05E-10	3.64E-11	3.94E-10	4.84E-11	1.60E-10	1.10E-11	2.19E-10
3112	469825.84	3818930.66	5.85E-10	2.46E-09	2.21E-10	3.26E-09	4.88E-10	1.81E-09	1.59E-10	2.45E-09	5.53E-11	3.16E-10	3.78E-11	4.09E-10	5.02E-11	1.66E-10	1.14E-11	2.27E-10
3113	469843.35	3818923.72	6.24E-10	2.62E-09	2.36E-10	3.48E-09	5.20E-10	1.92E-09	1.69E-10	2.61E-09	5.89E-11	3.37E-10	4.02E-11	4.36E-10	5.35E-11	1.77E-10	1.22E-11	2.42E-10
3114	469852.11	3818920.25	6.42E-10	2.70E-09	2.43E-10	3.58E-09	5.35E-10	1.98E-09	1.74E-10	2.69E-09	6.07E-11	3.47E-10	4.14E-11	4.49E-10	5.51E-11	1.82E-10	1.25E-11	2.50E-10
3115	469860.87	3818916.78	6.61E-10	2.78E-09	2.50E-10	3.69E-09	5.51E-10	2.04E-09	1.79E-10	2.77E-09	6.24E-11	3.57E-10	4.26E-11	4.62E-10	5.68E-11	1.87E-10	1.29E-11	2.57E-10
3116	469869.63	3818913.32	6.80E-10	2.86E-09	2.57E-10	3.79E-09	5.66E-10	2.10E-09	1.85E-10	2.85E-09	6.42E-11	3.68E-10	4.39E-11	4.76E-10	5.84E-11	1.92E-10	1.33E-11	2.64E-10
3117	469878.39	3818909.85	6.98E-10	2.93E-09	2.64E-10	3.89E-09	5.81E-10	2.15E-09	1.90E-10	2.93E-09	6.59E-11	3.77E-10	4.50E-11	4.88E-10	5.99E-11	1.98E-10	1.36E-11	2.71E-10
3118	469887.15	3818906.38	7.16E-10	3.01E-09	2.71E-10	3.99E-09	5.96E-10	2.21E-09	1.94E-10	3.00E-09	6.76E-11	3.87E-10	4.62E-11	5.01E-10	6.15E-11	2.03E-10	1.40E-11	2.78E-10
3119	469895.91	3818902.91	7.34E-10	3.08E-09	2.77E-10	4.09E-09	6.11E-10	2.26E-09	1.99E-10	3.07E-09	6.93E-11	3.97E-10	4.73E-11	5.13E-10	6.30E-11	2.08E-10	1.43E-11	2.85E-10
3120	469904.67	3818899.44	7.51E-10	3.15E-09	2.84E-10	4.19E-09	6.26E-10	2.32E-09	2.04E-10	3.15E-09	7.09E-11	4.06E-10	4.84E-11	5.25E-10	6.45E-11	2.13E-10	1.47E-11	2.92E-10
3121	469913.42	3818895.97	7.68E-10	3.22E-09	2.90E-10	4.28E-09	6.40E-10	2.37E-09	2.08E-10	3.22E-09	7.25E-11	4.15E-10	4.95E-11	5.37E-10	6.59E-11	2.17E-10	1.50E-11	2.98E-10
3122	469922.18	3818892.5	7.84E-10	3.29E-09	2.97E-10	4.37E-09	6.53E-10	2.42E-09	2.13E-10	3.29E-09	7.41E-11	4.24E-10	5.06E-11	5.49E-10	6.73E-11	2.22E-10	1.53E-11	3.05E-10
3123	469930.94	3818889.03	8.00E-10	3.36E-09	3.03E-10	4.46E-09	6.66E-10	2.47E-09	2.17E-10	3.35E-09	7.56E-11	4.33E-10	5.16E-11	5.60E-10	6.87E-11	2.26E-10	1.56E-11	3.11E-10
3124	469939.7	3818885.56	8.16E-10	3.42E-09	3.08E-10	4.55E-09	6.79E-10	2.52E-09	2.21E-10	3.42E-09	7.70E-11	4.41E-10	5.26E-11	5.71E-10	7.00E-11	2.31E-10	1.59E-11	3.17E-10
3125	469948.46	3818882.09	8.30E-10	3.49E-09	3.14E-10	4.63E-09	6.92E-10	2.56E-09	2.25E-10	3.48E-09	7.84E-11	4.49E-10	5.36E-11	5.81E-10	7.13E-11	2.35E-10	1.62E-11	3.23E-10
3126	469957.22	3818878.62	8.45E-10	3.55E-09	3.19E-10	4.71E-09	7.04E-10	2.61E-09	2.29E-10	3.54E-09	7.98E-11	4.57E-10	5.45E-11	5.91E-10	7.25E-11	2.39E-10	1.65E-11	3.28E-10
3127	469965.98	3818875.16	8.59E-10	3.61E-09	3.25E-10	4.79E-09	7.16E-10	2.65E-09	2.33E-10	3.60E-09	8.11E-11	4.64E-10	5.54E-11	6.01E-10	7.38E-11	2.43E-10	1.68E-11	3.34E-10
3128	469974.74	3818871.69	8.74E-10	3.67E-09	3.30E-10	4.87E-09	7.28E-10	2.70E-09	2.37E-10	3.66E-09	8.25E-11	4.72E-10	5.63E-11	6.11E-10	7.50E-11	2.47E-10	1.70E-11	3.39E-10
3129	469983.5	3818868.22	8.87E-10	3.73E-09	3.36E-10	4.95E-09	7.39E-10	2.74E-09	2.41E-10	3.72E-09	8.38E-11	4.80E-10	5.72E-11	6.21E-10	7.62E-11	2.51E-10	1.73E-11	3.45E-10
3130	469992.25	3818864.75	9.00E-10	3.78E-09	3.40E-10	5.02E-09	7.50E-10	2.78E-09	2.44E-10	3.77E-09	8.50E-11	4.87E-10	5.81E-11	6.30E-10	7.73E-11	2.55E-10	1.76E-11	3.50E-10
3131	470001.01	3818861.28	9.11E-10	3.83E-09	3.45E-10	5.08E-09	7.59E-10	2.81E-09	2.47E-10	3.82E-09	8.60E-11	4.93E-10	5.88E-11	6.37E-10	7.82E-11	2.58E-10	1.78E-11	3.54E-10
3132	470009.77	3818857.81	9.22E-10	3.87E-09	3.49E-10	5.14E-09	7.68E-10	2.84E-09	2.50E-10	3.86E-09	8.70E-11	4.98E-10	5.94E-11	6.45E-10	7.91E-11	2.61E-10	1.80E-11	3.58E-10
3133	470018.53	3818854.34	9.31E-10	3.91E-09	3.52E-10	5.19E-09	7.76E-10	2.87E-09	2.53E-10	3.90E-09	8.79E-11	5.03E-10	6.01E-11	6.51E-10	7.99E-11	2.64E-10	1.82E-11	3.62E-10
3134	470027.29	3818850.87	9.40E-10	3.95E-09	3.55E-10	5.24E-09	7.83E-10	2.90E-09	2.55E-10	3.94E-09	8.88E-11	5.08E-10	6.06E-11	6.57E-10	8.07E-11	2.66E-10	1.83E-11	3.65E-10
3135	470044.81	3818843.93	9.55E-10	4.01E-09	3.61E-10	5.32E-09	7.95E-10	2.95E-09	2.59E-10	4.00E-09	9.01E-11	5.16E-10	6.16E-11	6.68E-10	8.19E-11	2.70E-10	1.86E-11	3.71E-10
3136	470053.57	3818840.47	9.60E-10	4.03E-09	3.63E-10	5.36E-09	8.00E-10	2.96E-09	2.61E-10	4.02E-09	9.07E-11	5.19E-10	6.19E-11	6.72E-10	8.24E-11	2.72E-10	1.87E-11	3.73E-10
3137	470062.33	3818837	9.65E-10	4.05E-09	3.65E-10	5.38E-09	8.04E-10	2.98E-09	2.62E-10	4.04E-09	9.11E-11	5.22E-10	6.22E-11	6.75E-10	8.28E-11	2.73E-10	1.88E-11	3.75E-10
3138	470071.08	3818833.53	9.68E-10	4.07E-09	3.66E-10	5.40E-09	8.07E-10	2.99E-09	2.63E-10	4.06E-09	9.14E-11	5.24E-10	6.25E-11	6.77E-10	8.31E-11	2.74E-10	1.89E-11	3.76E-10
3139	470079.84	3818830.06	9.70E-10	4.08E-09	3.67E-10	5.41E-09	8.08E-10	2.99E-09	2.63E-10	4.07E-09	9.16E-11	5.25E-10	6.26E-11	6.79E-10	8.33E-11	2.75E-10	1.89E-11	3.77E-10
3140	470088.6	3818826.59	9.71E-10	4.08E-09	3.67E-10	5.42E-09	8.09E-10	3.00E-09	2.64E-10	4.07E-09	9.17E-11	5.25E-10	6.26E-11	6.79E-10	8.34E-11	2.75E-10	1.89E-11	3.77E-10
3141	470097.36	3818823.12	9.70E-10	4.07E-09	3.67E-10	5.41E-09	8.08E-10	2.99E-09	2.63E-10	4.07E-09	9.16E-11	5.25E-10	6.26E-11	6.79E-10	8.33E-11	2.75E-10	1.89E-11	3.77E-10
3142	470106.12	3818819.65	9.68E-10	4.06E-09	3.66E-10	5.40E-09	8.06E-10	2.99E-09	2.63E-10	4.06E-09	9.14E-11	5.23E-10	6.24E-11	6.77E-10	8.31E-11	2.74E-10	1.89E-11	3.76E-10
3143	469656.62	3819209.55	2.68E-10	1.13E-09	1.01E-10	1.50E-09	2.23E-10	8.28E-10	7.28E-11	1.12E-09	2.53E-11	1.45E-10	1.73E-11	1.88E-10	2.30E-11	7.59E-11	5.23E-12	1.04E-10
3144	469660.41	3819200.86	2.72E-10	1.14E-09	1.03E-10	1.51E-09	2.26E-10	8.38E-10	7.37E-11	1.14E-09	2.56E-11	1.47E-10	1.75E-11	1.90E-10	2.33E-11	7.69E-11	5.30E-12	1.05E-10
3145	469664.2	3819192.17	2.75E-10	1.16E-09	1.04E-10	1.54E-09	2.29E-10	8.49E-10	7.47E-11	1.15E-09	2.60E-11	1.49E-10	1.78E-11	1.93E-10	2.36E-11	7.79E-11	5.37E-12	1.07E-10
3146	469667.99	3819183.48	2.79E-10	1.17E-09	1.06E-10	1.56E-09	2.33E-10	8.62E-10	7.58E-11	1.17E-09	2.64E-11	1.51E-10	1.80E-11	1.95E-10	2.40E-11	7.91E-11	5.45E-12	1.09E-10

3147	469671.78	3819174.79	2.84E-10	1.19E-09	1.07E-10	1.58E-09	2.37E-10	8.76E-10	7.71E-11	1.19E-09	2.68E-11	1.54E-10	1.83E-11	1.99E-10	2.44E-11	8.04E-11	5.54E-12	1.10E-10
3148	469675.57	3819166.09	2.89E-10	1.21E-09	1.09E-10	1.61E-09	2.41E-10	8.92E-10	7.85E-11	1.21E-09	2.73E-11	1.56E-10	1.86E-11	2.02E-10	2.48E-11	8.18E-11	5.64E-12	1.12E-10
3149	469705.9	3819096.57	3.44E-10	1.44E-09	1.30E-10	1.92E-09	2.86E-10	1.06E-09	9.33E-11	1.44E-09	3.24E-11	1.86E-10	2.22E-11	2.40E-10	2.95E-11	9.73E-11	6.70E-12	1.33E-10
3150	469709.69	3819087.88	3.51E-10	1.47E-09	1.33E-10	1.96E-09	2.92E-10	1.08E-09	9.53E-11	1.47E-09	3.32E-11	1.90E-10	2.26E-11	2.46E-10	3.01E-11	9.94E-11	6.85E-12	1.36E-10
3151	469713.48	3819079.19	3.59E-10	1.51E-09	1.36E-10	2.00E-09	2.99E-10	1.11E-09	9.74E-11	1.50E-09	3.39E-11	1.94E-10	2.31E-11	2.51E-10	3.08E-11	1.02E-10	7.00E-12	1.39E-10
3152	469717.27	3819070.49	3.67E-10	1.54E-09	1.39E-10	2.05E-09	3.06E-10	1.13E-09	9.96E-11	1.54E-09	3.47E-11	1.98E-10	2.37E-11	2.57E-10	3.15E-11	1.04E-10	7.16E-12	1.43E-10
3153	469721.06	3819061.8	3.75E-10	1.58E-09	1.42E-10	2.09E-09	3.13E-10	1.16E-09	1.02E-10	1.57E-09	3.55E-11	2.03E-10	2.42E-11	2.63E-10	3.22E-11	1.06E-10	7.33E-12	1.46E-10
3154	469724.85	3819053.11	3.84E-10	1.61E-09	1.45E-10	2.14E-09	3.20E-10	1.19E-09	1.04E-10	1.61E-09	3.63E-11	2.08E-10	2.48E-11	2.69E-10	3.30E-11	1.09E-10	7.49E-12	1.49E-10
3155	469728.64	3819044.42	3.92E-10	1.65E-09	1.48E-10	2.19E-09	3.27E-10	1.21E-09	1.07E-10	1.64E-09	3.71E-11	2.12E-10	2.53E-11	2.75E-10	3.37E-11	1.11E-10	7.66E-12	1.52E-10
3156	469732.43	3819035.73	4.01E-10	1.68E-09	1.52E-10	2.24E-09	3.34E-10	1.24E-09	1.09E-10	1.68E-09	3.79E-11	2.17E-10	2.59E-11	2.80E-10	3.44E-11	1.13E-10	7.82E-12	1.56E-10
3157	469736.22	3819027.04	4.09E-10	1.72E-09	1.55E-10	2.28E-09	3.41E-10	1.26E-09	1.11E-10	1.71E-09	3.86E-11	2.21E-10	2.64E-11	2.86E-10	3.51E-11	1.16E-10	7.98E-12	1.59E-10
3158	469740.01	3819018.35	4.17E-10	1.75E-09	1.58E-10	2.33E-09	3.48E-10	1.29E-09	1.13E-10	1.75E-09	3.94E-11	2.26E-10	2.69E-11	2.92E-10	3.58E-11	1.18E-10	8.14E-12	1.62E-10
3159	469743.8	3819009.66	4.25E-10	1.78E-09	1.61E-10	2.37E-09	3.54E-10	1.31E-09	1.15E-10	1.78E-09	4.01E-11	2.30E-10	2.74E-11	2.97E-10	3.65E-11	1.20E-10	8.29E-12	1.65E-10
3160	469747.59	3819000.97	4.32E-10	1.81E-09	1.63E-10	2.41E-09	3.59E-10	1.33E-09	1.17E-10	1.81E-09	4.07E-11	2.33E-10	2.78E-11	3.02E-10	3.70E-11	1.22E-10	8.42E-12	1.68E-10
3161	469758.96	3818974.89	4.51E-10	1.90E-09	1.71E-10	2.52E-09	3.76E-10	1.39E-09	1.23E-10	1.89E-09	4.26E-11	2.44E-10	2.91E-11	3.16E-10	3.88E-11	1.28E-10	8.81E-12	1.75E-10
3162	469762.75	3818966.2	4.57E-10	1.92E-09	1.73E-10	2.55E-09	3.81E-10	1.41E-09	1.24E-10	1.92E-09	4.32E-11	2.47E-10	2.95E-11	3.20E-10	3.93E-11	1.29E-10	8.93E-12	1.78E-10
3163	469766.54	3818957.51	4.63E-10	1.94E-09	1.75E-10	2.58E-09	3.86E-10	1.43E-09	1.26E-10	1.94E-09	4.37E-11	2.50E-10	2.99E-11	3.24E-10	3.97E-11	1.31E-10	9.03E-12	1.80E-10
3164	469770.33	3818948.82	4.68E-10	1.97E-09	1.77E-10	2.61E-09	3.90E-10	1.44E-09	1.27E-10	1.96E-09	4.42E-11	2.53E-10	3.02E-11	3.27E-10	4.02E-11	1.32E-10	9.13E-12	1.82E-10
3165	469774.12	3818940.13	4.73E-10	1.99E-09	1.79E-10	2.64E-09	3.94E-10	1.46E-09	1.28E-10	1.98E-09	4.46E-11	2.56E-10	3.05E-11	3.31E-10	4.06E-11	1.34E-10	9.22E-12	1.84E-10
3166	469777.91	3818931.44	4.77E-10	2.00E-09	1.80E-10	2.66E-09	3.97E-10	1.47E-09	1.29E-10	2.00E-09	4.50E-11	2.58E-10	3.08E-11	3.34E-10	4.09E-11	1.35E-10	9.31E-12	1.85E-10
3167	469781.7	3818922.75	4.80E-10	2.02E-09	1.82E-10	2.68E-09	4.00E-10	1.48E-09	1.30E-10	2.01E-09	4.54E-11	2.60E-10	3.10E-11	3.36E-10	4.12E-11	1.36E-10	9.38E-12	1.87E-10
3168	469785.49	3818914.06	4.84E-10	2.03E-09	1.83E-10	2.70E-09	4.03E-10	1.49E-09	1.31E-10	2.03E-09	4.57E-11	2.61E-10	3.12E-11	3.38E-10	4.15E-11	1.37E-10	9.44E-12	1.88E-10
3169	469798.1	3818901.88	5.01E-10	2.10E-09	1.90E-10	2.80E-09	4.17E-10	1.55E-09	1.36E-10	2.10E-09	4.73E-11	2.71E-10	3.23E-11	3.51E-10	4.30E-11	1.42E-10	9.78E-12	1.95E-10
3170	469806.91	3818898.38	5.16E-10	2.17E-09	1.95E-10	2.88E-09	4.30E-10	1.59E-09	1.40E-10	2.16E-09	4.88E-11	2.79E-10	3.33E-11	3.61E-10	4.43E-11	1.46E-10	1.01E-11	2.01E-10
3171	469815.73	3818894.89	5.31E-10	2.23E-09	2.01E-10	2.96E-09	4.43E-10	1.64E-09	1.44E-10	2.23E-09	5.02E-11	2.87E-10	3.43E-11	3.72E-10	4.56E-11	1.50E-10	1.04E-11	2.06E-10
3172	469824.54	3818891.4	5.46E-10	2.29E-09	2.07E-10	3.05E-09	4.55E-10	1.69E-09	1.48E-10	2.29E-09	5.16E-11	2.95E-10	3.52E-11	3.82E-10	4.69E-11	1.55E-10	1.07E-11	2.12E-10
3173	469842.17	3818884.42	5.76E-10	2.42E-09	2.18E-10	3.22E-09	4.80E-10	1.78E-09	1.56E-10	2.42E-09	5.44E-11	3.12E-10	3.72E-11	4.03E-10	4.95E-11	1.63E-10	1.12E-11	2.24E-10
3174	469850.99	3818880.93	5.92E-10	2.48E-09	2.24E-10	3.30E-09	4.93E-10	1.83E-09	1.61E-10	2.48E-09	5.59E-11	3.20E-10	3.82E-11	4.14E-10	5.08E-11	1.67E-10	1.15E-11	2.30E-10
3175	469859.8	3818877.44	6.06E-10	2.55E-09	2.29E-10	3.38E-09	5.05E-10	1.87E-09	1.65E-10	2.54E-09	5.72E-11	3.28E-10	3.91E-11	4.24E-10	5.20E-11	1.72E-10	1.18E-11	2.35E-10
3176	469868.62	3818873.94	6.20E-10	2.61E-09	2.35E-10	3.46E-09	5.17E-10	1.91E-09	1.68E-10	2.60E-09	5.86E-11	3.35E-10	4.00E-11	4.34E-10	5.33E-11	1.76E-10	1.21E-11	2.41E-10
3177	469877.43	3818870.45	6.35E-10	2.67E-09	2.40E-10	3.54E-09	5.29E-10	1.96E-09	1.72E-10	2.66E-09	5.99E-11	3.43E-10	4.09E-11	4.44E-10	5.45E-11	1.80E-10	1.24E-11	2.47E-10
3178	469886.25	3818866.96	6.49E-10	2.73E-09	2.45E-10	3.62E-09	5.41E-10	2.00E-09	1.76E-10	2.72E-09	6.13E-11	3.51E-10	4.19E-11	4.54E-10	5.57E-11	1.84E-10	1.27E-11	2.52E-10
3179	469895.06	3818863.47	6.63E-10	2.78E-09	2.51E-10	3.70E-09	5.52E-10	2.05E-09	1.80E-10	2.78E-09	6.26E-11	3.58E-10	4.28E-11	4.64E-10	5.69E-11	1.88E-10	1.29E-11	2.57E-10
3180	469903.88	3818859.98	6.76E-10	2.84E-09	2.56E-10	3.77E-09	5.63E-10	2.09E-09	1.84E-10	2.83E-09	6.38E-11	3.65E-10	4.36E-11	4.73E-10	5.80E-11	1.91E-10	1.32E-11	2.63E-10
3181	469912.69	3818856.49	6.89E-10	2.89E-09	2.60E-10	3.84E-09	5.74E-10	2.12E-09	1.87E-10	2.89E-09	6.50E-11	3.72E-10	4.44E-11	4.82E-10	5.91E-11	1.95E-10	1.34E-11	2.67E-10
3182	469921.51	3818853	7.01E-10	2.94E-09	2.65E-10	3.91E-09	5.84E-10	2.16E-09	1.90E-10	2.94E-09	6.62E-11	3.79E-10	4.52E-11	4.90E-10	6.02E-11	1.98E-10	1.37E-11	2.72E-10
3183	469930.32	3818849.5	7.13E-10	3.00E-09	2.70E-10	3.98E-09	5.94E-10	2.20E-09	1.94E-10	2.99E-09	6.74E-11	3.86E-10	4.60E-11	4.99E-10	6.12E-11	2.02E-10	1.39E-11	2.77E-10
3184	469939.14	3818846.01	7.25E-10	3.04E-09	2.74E-10	4.04E-09	6.04E-10	2.24E-09	1.97E-10	3.04E-09	6.84E-11	3.92E-10	4.67E-11	5.07E-10	6.22E-11	2.05E-10	1.41E-11	2.81E-10
3185	469947.95	3818842.52	7.36E-10	3.09E-09	2.78E-10	4.10E-09	6.13E-10	2.27E-09	2.00E-10	3.08E-09	6.95E-11	3.98E-10	4.74E-11	5.15E-10	6.31E-11	2.08E-10	1.44E-11	2.86E-10
3186	469956.77	3818839.03	7.46E-10	3.13E-09	2.82E-10	4.16E-09	6.21E-10	2.30E-09	2.03E-10	3.13E-09	7.05E-11	4.03E-10	4.81E-11	5.22E-10	6.40E-11	2.11E-10	1.46E-11	2.90E-10
3187	469965.58	3818835.54	7.57E-10	3.18E-09	2.86E-10	4.22E-09	6.30E-10	2.34E-09	2.05E-10	3.17E-09	7.15E-11	4.09E-10	4.88E-11	5.29E-10	6.50E-11	2.14E-10	1.48E-11	2.94E-10
3188	469974.4	3818832.05	7.67E-10	3.22E-09	2.90E-10	4.28E-09	6.39E-10	2.37E-09	2.08E-10	3.22E-09	7.25E-11	4.15E-10	4.95E-11	5.37E-10	6.59E-11	2.17E-10	1.50E-11	2.98E-10
3189	469983.22	3818828.56	7.78E-10	3.27E-09	2.94E-10	4.34E-09	6.48E-10	2.40E-09	2.11E-10	3.26E-09	7.34E-11	4.20E-10	5.02E-11	5.44E-10	6.68E-11	2.20E-10	1.52E-11	3.02E-10
3190	469992.03	3818825.07	7.87E-10	3.31E-09	2.98E-10	4.39E-09	6.56E-10	2.43E-09	2.14E-10	3.30E-09	7.43E-11	4.26E-10	5.08E-11	5.51E-10	6.76E-11	2.23E-10	1.54E-11	3.06E-10
3191	470000.85	3818821.57	7.95E-10	3.34E-09	3.01E-10	4.44E-09	6.62E-10	2.45E-09	2.16E-10	3.33E-09	7.51E-11	4.30E-10	5.13E-11	5.56E-10	6.83E-11	2.25E-10	1.55E-11	3.09E-10
3192	470009.66	3818818.08	8.03E-10	3.37E-09	3.04E-10	4.48E-09	6.69E-10	2.48E-09	2.18E-10	3.36E-09	7.58E-11	4.34E-10	5.18E-11	5.62E-10	6.89E-11	2.27E-10	1.57E-11	3.12E-10
3193	470018.48	3818814.59	8.10E-10	3.40E-09	3.06E-10	4.52E-09	6.74E-10	2.50E-09	2.20E-10	3.39E-09	7.65E-11	4.38E-10	5.22E-11	5.66E-10	6.95E-11	2.29E-10	1.58E-11	3.15E-10
3194	470027.29	3818811.1	8.16E-10	3.43E-09	3.09E-10	4.55E-09	6.80E-10	2.52E-09	2.22E-10	3.42E-09	7.71E-11	4.41E-10	5.26E-11	5.71E-10	7.01E-11	2.31E-10	1.59E-11	3.17E-10
3195	470044.92	3818804.12	8.26E-10	3.47E-09	3.12E-10	4.61E-09	6.88E-10	2.55E-09	2.24E-10	3.46E-09	7.80E-11	4.47E-10	5.33E-11	5.78E-10	7.09E-11	2.34E-10	1.61E-11	3.21E-10
3196	470053.74	3818800.63	8.30E-10	3.48E-09	3.14E-10	4.63E-09	6.91E-10	2.56E-09	2.25E-10	3.48E-09	7.83E-11	4.48E-10	5.35E-11	5.80E-10	7.12E-11	2.35E-10	1.62E-11	3.22E-10

3197	470062.55	3818797.13	8.32E-10	3.49E-09	3.15E-10	4.64E-09	6.93E-10	2.57E-09	2.26E-10	3.49E-09	7.86E-11	4.50E-10	5.37E-11	5.82E-10	7.14E-11	2.36E-10	1.62E-11	3.23E-10
3198	470071.37	3818793.64	8.34E-10	3.50E-09	3.15E-10	4.65E-09	6.94E-10	2.57E-09	2.26E-10	3.49E-09	7.87E-11	4.51E-10	5.38E-11	5.83E-10	7.16E-11	2.36E-10	1.63E-11	3.24E-10
3199	470080.18	3818790.15	8.34E-10	3.50E-09	3.15E-10	4.65E-09	6.95E-10	2.57E-09	2.26E-10	3.50E-09	7.88E-11	4.51E-10	5.38E-11	5.84E-10	7.16E-11	2.36E-10	1.63E-11	3.24E-10
3200	470089	3818786.66	8.34E-10	3.50E-09	3.15E-10	4.65E-09	6.94E-10	2.57E-09	2.26E-10	3.49E-09	7.87E-11	4.51E-10	5.38E-11	5.83E-10	7.16E-11	2.36E-10	1.63E-11	3.24E-10
3201	470097.81	3818783.17	8.32E-10	3.49E-09	3.15E-10	4.64E-09	6.93E-10	2.57E-09	2.26E-10	3.49E-09	7.86E-11	4.50E-10	5.37E-11	5.82E-10	7.14E-11	2.35E-10	1.62E-11	3.23E-10
3202	470106.63	3818779.68	8.29E-10	3.48E-09	3.13E-10	4.62E-09	6.90E-10	2.56E-09	2.25E-10	3.47E-09	7.83E-11	4.48E-10	5.35E-11	5.80E-10	7.12E-11	2.35E-10	1.62E-11	3.22E-10
3203	469616.67	3819208.65	2.27E-10	9.52E-10	8.57E-11	1.26E-09	1.89E-10	7.00E-10	6.15E-11	9.50E-10	2.14E-11	1.23E-10	1.46E-11	1.59E-10	1.95E-11	6.42E-11	4.42E-12	8.81E-11
3204	469620.48	3819199.92	2.29E-10	9.61E-10	8.66E-11	1.28E-09	1.91E-10	7.06E-10	6.21E-11	9.59E-10	2.16E-11	1.24E-10	1.48E-11	1.60E-10	1.97E-11	6.48E-11	4.47E-12	8.89E-11
3205	469624.29	3819191.18	2.32E-10	9.72E-10	8.76E-11	1.29E-09	1.93E-10	7.14E-10	6.28E-11	9.70E-10	2.19E-11	1.25E-10	1.49E-11	1.62E-10	1.99E-11	6.55E-11	4.52E-12	8.99E-11
3206	469628.1	3819182.44	2.34E-10	9.84E-10	8.87E-11	1.31E-09	1.95E-10	7.23E-10	6.36E-11	9.82E-10	2.21E-11	1.27E-10	1.51E-11	1.64E-10	2.01E-11	6.64E-11	4.57E-12	9.11E-11
3207	469631.92	3819173.7	2.38E-10	9.99E-10	9.00E-11	1.33E-09	1.98E-10	7.34E-10	6.46E-11	9.97E-10	2.25E-11	1.29E-10	1.53E-11	1.66E-10	2.04E-11	6.73E-11	4.64E-12	9.24E-11
3208	469635.73	3819164.96	2.42E-10	1.02E-09	9.15E-11	1.35E-09	2.01E-10	7.46E-10	6.56E-11	1.01E-09	2.28E-11	1.31E-10	1.56E-11	1.69E-10	2.08E-11	6.84E-11	4.72E-12	9.39E-11
3209	469639.54	3819156.23	2.46E-10	1.03E-09	9.31E-11	1.37E-09	2.05E-10	7.60E-10	6.68E-11	1.03E-09	2.32E-11	1.33E-10	1.59E-11	1.72E-10	2.11E-11	6.97E-11	4.80E-12	9.56E-11
3210	469643.35	3819147.49	2.51E-10	1.05E-09	9.49E-11	1.40E-09	2.09E-10	7.74E-10	6.81E-11	1.05E-09	2.37E-11	1.36E-10	1.62E-11	1.76E-10	2.15E-11	7.10E-11	4.90E-12	9.74E-11
3211	469647.16	3819138.75	2.56E-10	1.08E-09	9.68E-11	1.43E-09	2.13E-10	7.90E-10	6.95E-11	1.07E-09	2.42E-11	1.38E-10	1.65E-11	1.79E-10	2.20E-11	7.25E-11	4.99E-12	9.94E-11
3212	469650.97	3819130.01	2.61E-10	1.10E-09	9.89E-11	1.46E-09	2.18E-10	8.07E-10	7.10E-11	1.10E-09	2.47E-11	1.41E-10	1.69E-11	1.83E-10	2.24E-11	7.40E-11	5.10E-12	1.02E-10
3213	469654.78	3819121.27	2.67E-10	1.12E-09	1.01E-10	1.49E-09	2.23E-10	8.25E-10	7.25E-11	1.12E-09	2.52E-11	1.44E-10	1.72E-11	1.87E-10	2.29E-11	7.56E-11	5.21E-12	1.04E-10
3214	469658.59	3819112.53	2.73E-10	1.15E-09	1.03E-10	1.52E-09	2.28E-10	8.43E-10	7.42E-11	1.15E-09	2.58E-11	1.48E-10	1.76E-11	1.91E-10	2.35E-11	7.74E-11	5.33E-12	1.06E-10
3215	469662.4	3819103.8	2.79E-10	1.17E-09	1.06E-10	1.56E-09	2.33E-10	8.62E-10	7.58E-11	1.17E-09	2.64E-11	1.51E-10	1.80E-11	1.95E-10	2.40E-11	7.91E-11	5.45E-12	1.09E-10
3216	469666.21	3819095.06	2.85E-10	1.20E-09	1.08E-10	1.59E-09	2.37E-10	8.80E-10	7.74E-11	1.19E-09	2.69E-11	1.54E-10	1.84E-11	1.99E-10	2.45E-11	8.07E-11	5.56E-12	1.11E-10
3217	469670.02	3819086.32	2.91E-10	1.22E-09	1.10E-10	1.62E-09	2.42E-10	8.98E-10	7.90E-11	1.22E-09	2.75E-11	1.57E-10	1.88E-11	2.04E-10	2.50E-11	8.24E-11	5.68E-12	1.13E-10
3218	469673.83	3819077.58	2.97E-10	1.25E-09	1.12E-10	1.66E-09	2.48E-10	9.17E-10	8.07E-11	1.25E-09	2.81E-11	1.61E-10	1.92E-11	2.08E-10	2.55E-11	8.41E-11	5.80E-12	1.15E-10
3219	469677.64	3819068.84	3.04E-10	1.28E-09	1.15E-10	1.70E-09	2.53E-10	9.38E-10	8.25E-11	1.27E-09	2.87E-11	1.64E-10	1.96E-11	2.13E-10	2.61E-11	8.61E-11	5.93E-12	1.18E-10
3220	469704.32	3819007.68	3.52E-10	1.48E-09	1.33E-10	1.96E-09	2.93E-10	1.09E-09	9.55E-11	1.47E-09	3.32E-11	1.90E-10	2.27E-11	2.46E-10	3.02E-11	9.96E-11	6.87E-12	1.37E-10
3221	469708.13	3818998.94	3.59E-10	1.51E-09	1.36E-10	2.00E-09	2.99E-10	1.11E-09	9.73E-11	1.50E-09	3.39E-11	1.94E-10	2.31E-11	2.51E-10	3.08E-11	1.01E-10	7.00E-12	1.39E-10
3222	469715.75	3818981.46	3.71E-10	1.56E-09	1.40E-10	2.07E-09	3.09E-10	1.14E-09	1.01E-10	1.55E-09	3.50E-11	2.01E-10	2.39E-11	2.59E-10	3.18E-11	1.05E-10	7.24E-12	1.44E-10
3223	469719.56	3818972.72	3.77E-10	1.58E-09	1.43E-10	2.10E-09	3.14E-10	1.16E-09	1.02E-10	1.58E-09	3.56E-11	2.04E-10	2.43E-11	2.64E-10	3.24E-11	1.07E-10	7.36E-12	1.46E-10
3224	469723.37	3818963.99	3.83E-10	1.61E-09	1.45E-10	2.14E-09	3.19E-10	1.18E-09	1.04E-10	1.60E-09	3.62E-11	2.07E-10	2.47E-11	2.68E-10	3.29E-11	1.08E-10	7.47E-12	1.49E-10
3225	469727.19	3818955.25	3.89E-10	1.63E-09	1.47E-10	2.17E-09	3.24E-10	1.20E-09	1.05E-10	1.63E-09	3.67E-11	2.10E-10	2.51E-11	2.72E-10	3.34E-11	1.10E-10	7.58E-12	1.51E-10
3226	469731	3818946.51	3.94E-10	1.65E-09	1.49E-10	2.20E-09	3.28E-10	1.22E-09	1.07E-10	1.65E-09	3.72E-11	2.13E-10	2.54E-11	2.76E-10	3.38E-11	1.11E-10	7.69E-12	1.53E-10
3227	469734.81	3818937.77	3.99E-10	1.67E-09	1.51E-10	2.22E-09	3.32E-10	1.23E-09	1.08E-10	1.67E-09	3.77E-11	2.16E-10	2.57E-11	2.79E-10	3.42E-11	1.13E-10	7.78E-12	1.55E-10
3228	469738.62	3818929.03	4.03E-10	1.69E-09	1.53E-10	2.25E-09	3.36E-10	1.24E-09	1.09E-10	1.69E-09	3.81E-11	2.18E-10	2.60E-11	2.82E-10	3.46E-11	1.14E-10	7.87E-12	1.57E-10
3229	469742.43	3818920.29	4.07E-10	1.71E-09	1.54E-10	2.27E-09	3.39E-10	1.26E-09	1.11E-10	1.71E-09	3.85E-11	2.20E-10	2.63E-11	2.85E-10	3.50E-11	1.15E-10	7.95E-12	1.58E-10
3230	469746.24	3818911.56	4.11E-10	1.72E-09	1.55E-10	2.29E-09	3.42E-10	1.27E-09	1.11E-10	1.72E-09	3.88E-11	2.22E-10	2.65E-11	2.87E-10	3.53E-11	1.16E-10	8.01E-12	1.60E-10
3231	469750.05	3818902.82	4.13E-10	1.74E-09	1.56E-10	2.31E-09	3.44E-10	1.28E-09	1.12E-10	1.73E-09	3.90E-11	2.24E-10	2.67E-11	2.89E-10	3.55E-11	1.17E-10	8.07E-12	1.61E-10
3232	469753.86	3818894.08	4.16E-10	1.75E-09	1.57E-10	2.32E-09	3.47E-10	1.28E-09	1.13E-10	1.74E-09	3.93E-11	2.25E-10	2.68E-11	2.91E-10	3.57E-11	1.18E-10	8.12E-12	1.62E-10
3233	469757.67	3818885.34	4.19E-10	1.76E-09	1.58E-10	2.34E-09	3.49E-10	1.29E-09	1.14E-10	1.76E-09	3.96E-11	2.26E-10	2.70E-11	2.93E-10	3.60E-11	1.19E-10	8.17E-12	1.63E-10
3234	469770.35	3818873.09	4.33E-10	1.82E-09	1.64E-10	2.42E-09	3.61E-10	1.34E-09	1.18E-10	1.82E-09	4.09E-11	2.34E-10	2.80E-11	3.03E-10	3.72E-11	1.23E-10	8.46E-12	1.68E-10
3235	469779.21	3818869.58	4.46E-10	1.87E-09	1.69E-10	2.49E-09	3.71E-10	1.38E-09	1.21E-10	1.87E-09	4.21E-11	2.41E-10	2.87E-11	3.12E-10	3.83E-11	1.26E-10	8.70E-12	1.73E-10
3236	469788.07	3818866.07	4.58E-10	1.93E-09	1.73E-10	2.56E-09	3.82E-10	1.41E-09	1.24E-10	1.92E-09	4.33E-11	2.48E-10	2.96E-11	3.21E-10	3.94E-11	1.30E-10	8.95E-12	1.78E-10
3237	469796.94	3818862.56	4.71E-10	1.98E-09	1.78E-10	2.63E-09	3.93E-10	1.45E-09	1.28E-10	1.97E-09	4.45E-11	2.55E-10	3.04E-11	3.30E-10	4.05E-11	1.33E-10	9.20E-12	1.83E-10
3238	469805.8	3818859.05	4.84E-10	2.03E-09	1.83E-10	2.70E-09	4.03E-10	1.49E-09	1.31E-10	2.03E-09	4.57E-11	2.62E-10	3.12E-11	3.38E-10	4.15E-11	1.37E-10	9.44E-12	1.88E-10
3239	469814.66	3818855.54	4.96E-10	2.08E-09	1.88E-10	2.77E-09	4.13E-10	1.53E-09	1.35E-10	2.08E-09	4.69E-11	2.68E-10	3.20E-11	3.47E-10	4.26E-11	1.40E-10	9.68E-12	1.93E-10
3240	469823.52	3818852.03	5.08E-10	2.13E-09	1.92E-10	2.83E-09	4.23E-10	1.57E-09	1.38E-10	2.13E-09	4.80E-11	2.75E-10	3.28E-11	3.55E-10	4.36E-11	1.44E-10	9.92E-12	1.97E-10
3241	469850.11	3818841.5	5.43E-10	2.28E-09	2.06E-10	3.03E-09	4.53E-10	1.68E-09	1.48E-10	2.28E-09	5.13E-11	2.94E-10	3.51E-11	3.80E-10	4.67E-11	1.54E-10	1.06E-11	2.11E-10
3242	469858.98	3818837.99	5.55E-10	2.33E-09	2.10E-10	3.09E-09	4.62E-10	1.71E-09	1.51E-10	2.32E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.15E-10
3243	469867.84	3818834.48	5.66E-10	2.38E-09	2.14E-10	3.15E-09	4.71E-10	1.75E-09	1.54E-10	2.37E-09	5.34E-11	3.06E-10	3.65E-11	3.96E-10	4.86E-11	1.60E-10	1.10E-11	2.20E-10
3244	469876.7	3818830.97	5.76E-10	2.42E-09	2.18E-10	3.21E-09	4.80E-10	1.78E-09	1.56E-10	2.41E-09	5.44E-11	3.12E-10	3.72E-11	4.03E-10	4.95E-11	1.63E-10	1.12E-11	2.24E-10
3245	469885.57	3818827.46	5.87E-10	2.46E-09	2.22E-10	3.27E-09	4.89E-10	1.81E-09	1.59E-10	2.46E-09	5.54E-11	3.17E-10	3.78E-11	4.10E-10	5.04E-11	1.66E-10	1.14E-11	2.28E-10
3246	469894.43	3818823.95	5.97E-10	2.51E-09	2.26E-10	3.33E-09	4.97E-10	1.84E-09	1.62E-10	2.50E-09	5.64E-11	3.23E-10	3.85E-11	4.17E-10	5.12E-11	1.69E-10	1.16E-11	2.32E-10

3247	469903.29	3818820.44	6.07E-10	2.55E-09	2.30E-10	3.38E-09	5.05E-10	1.87E-09	1.65E-10	2.54E-09	5.73E-11	3.28E-10	3.91E-11	4.25E-10	5.21E-11	1.72E-10	1.18E-11	2.36E-10
3248	469912.16	3818816.93	6.17E-10	2.59E-09	2.33E-10	3.44E-09	5.14E-10	1.90E-09	1.68E-10	2.59E-09	5.83E-11	3.34E-10	3.98E-11	4.32E-10	5.30E-11	1.75E-10	1.20E-11	2.40E-10
3249	469921.02	3818813.42	6.27E-10	2.63E-09	2.37E-10	3.50E-09	5.22E-10	1.94E-09	1.70E-10	2.63E-09	5.92E-11	3.39E-10	4.04E-11	4.39E-10	5.38E-11	1.78E-10	1.22E-11	2.44E-10
3250	469929.88	3818809.91	6.37E-10	2.67E-09	2.41E-10	3.55E-09	5.30E-10	1.97E-09	1.73E-10	2.67E-09	6.01E-11	3.44E-10	4.11E-11	4.45E-10	5.47E-11	1.80E-10	1.24E-11	2.47E-10
3251	469938.75	3818806.4	6.45E-10	2.71E-09	2.44E-10	3.60E-09	5.38E-10	1.99E-09	1.75E-10	2.70E-09	6.09E-11	3.49E-10	4.16E-11	4.51E-10	5.54E-11	1.83E-10	1.26E-11	2.51E-10
3252	469947.61	3818802.89	6.54E-10	2.74E-09	2.47E-10	3.65E-09	5.44E-10	2.02E-09	1.77E-10	2.74E-09	6.17E-11	3.53E-10	4.22E-11	4.57E-10	5.61E-11	1.85E-10	1.28E-11	2.54E-10
3253	469956.47	3818799.38	6.61E-10	2.78E-09	2.50E-10	3.69E-09	5.51E-10	2.04E-09	1.80E-10	2.77E-09	6.25E-11	3.58E-10	4.27E-11	4.63E-10	5.68E-11	1.87E-10	1.29E-11	2.57E-10
3254	469965.33	3818795.87	6.69E-10	2.81E-09	2.53E-10	3.73E-09	5.58E-10	2.07E-09	1.82E-10	2.80E-09	6.32E-11	3.62E-10	4.32E-11	4.68E-10	5.75E-11	1.89E-10	1.31E-11	2.60E-10
3255	469974.2	3818792.36	6.77E-10	2.84E-09	2.56E-10	3.78E-09	5.64E-10	2.09E-09	1.84E-10	2.84E-09	6.39E-11	3.66E-10	4.37E-11	4.74E-10	5.81E-11	1.92E-10	1.32E-11	2.63E-10
3256	469983.06	3818788.85	6.84E-10	2.87E-09	2.59E-10	3.82E-09	5.70E-10	2.11E-09	1.86E-10	2.87E-09	6.46E-11	3.70E-10	4.41E-11	4.79E-10	5.87E-11	1.94E-10	1.33E-11	2.66E-10
3257	469991.92	3818785.33	6.90E-10	2.90E-09	2.61E-10	3.85E-09	5.75E-10	2.13E-09	1.87E-10	2.89E-09	6.52E-11	3.73E-10	4.45E-11	4.83E-10	5.93E-11	1.95E-10	1.35E-11	2.68E-10
3258	470000.79	3818781.82	6.96E-10	2.92E-09	2.63E-10	3.88E-09	5.80E-10	2.15E-09	1.89E-10	2.92E-09	6.57E-11	3.76E-10	4.49E-11	4.87E-10	5.98E-11	1.97E-10	1.36E-11	2.70E-10
3259	470009.65	3818778.31	7.01E-10	2.95E-09	2.65E-10	3.91E-09	5.84E-10	2.16E-09	1.90E-10	2.94E-09	6.62E-11	3.79E-10	4.52E-11	4.91E-10	6.02E-11	1.99E-10	1.37E-11	2.72E-10
3260	470018.51	3818774.8	7.06E-10	2.97E-09	2.67E-10	3.94E-09	5.88E-10	2.18E-09	1.92E-10	2.96E-09	6.67E-11	3.82E-10	4.56E-11	4.94E-10	6.06E-11	2.00E-10	1.38E-11	2.74E-10
3261	470027.38	3818771.29	7.11E-10	2.99E-09	2.69E-10	3.96E-09	5.92E-10	2.19E-09	1.93E-10	2.98E-09	6.71E-11	3.84E-10	4.58E-11	4.97E-10	6.10E-11	2.01E-10	1.39E-11	2.76E-10
3262	470045.1	3818764.27	7.18E-10	3.02E-09	2.72E-10	4.01E-09	5.98E-10	2.22E-09	1.95E-10	3.01E-09	6.78E-11	3.88E-10	4.63E-11	5.02E-10	6.16E-11	2.03E-10	1.40E-11	2.79E-10
3263	470107.15	3818739.7	7.19E-10	3.02E-09	2.72E-10	4.01E-09	5.99E-10	2.22E-09	1.95E-10	3.01E-09	6.79E-11	3.89E-10	4.64E-11	5.03E-10	6.18E-11	2.04E-10	1.40E-11	2.79E-10
3264	469607.5	3819303.32	2.54E-10	1.07E-09	9.62E-11	1.42E-09	2.12E-10	7.85E-10	6.91E-11	1.07E-09	2.40E-11	1.38E-10	1.64E-11	1.78E-10	2.18E-11	7.20E-11	4.96E-12	9.88E-11
3265	469607.31	3819312.96	2.60E-10	1.09E-09	9.84E-11	1.45E-09	2.17E-10	8.03E-10	7.06E-11	1.09E-09	2.46E-11	1.41E-10	1.68E-11	1.82E-10	2.23E-11	7.36E-11	5.07E-12	1.01E-10
3266	469607.12	3819322.61	2.66E-10	1.12E-09	1.01E-10	1.49E-09	2.22E-10	8.22E-10	7.23E-11	1.12E-09	2.51E-11	1.44E-10	1.72E-11	1.86E-10	2.29E-11	7.54E-11	5.20E-12	1.03E-10
3267	469606.93	3819332.26	2.73E-10	1.15E-09	1.03E-10	1.52E-09	2.27E-10	8.42E-10	7.41E-11	1.14E-09	2.58E-11	1.47E-10	1.76E-11	1.91E-10	2.34E-11	7.72E-11	5.32E-12	1.06E-10
3268	469606.73	3819341.91	2.80E-10	1.18E-09	1.06E-10	1.56E-09	2.33E-10	8.64E-10	7.60E-11	1.17E-09	2.64E-11	1.51E-10	1.81E-11	1.96E-10	2.40E-11	7.92E-11	5.46E-12	1.09E-10
3269	469606.54	3819351.56	2.87E-10	1.21E-09	1.09E-10	1.60E-09	2.39E-10	8.87E-10	7.80E-11	1.20E-09	2.71E-11	1.55E-10	1.85E-11	2.01E-10	2.47E-11	8.14E-11	5.61E-12	1.12E-10
3270	469606.35	3819361.21	2.96E-10	1.24E-09	1.12E-10	1.65E-09	2.46E-10	9.12E-10	8.02E-11	1.24E-09	2.79E-11	1.60E-10	1.91E-11	2.07E-10	2.54E-11	8.36E-11	5.77E-12	1.15E-10
3271	469606.15	3819370.85	3.04E-10	1.28E-09	1.15E-10	1.70E-09	2.53E-10	9.38E-10	8.25E-11	1.27E-09	2.87E-11	1.64E-10	1.96E-11	2.13E-10	2.61E-11	8.61E-11	5.93E-12	1.18E-10
3272	469605.96	3819380.5	3.13E-10	1.32E-09	1.18E-10	1.75E-09	2.61E-10	9.66E-10	8.50E-11	1.31E-09	2.96E-11	1.69E-10	2.02E-11	2.19E-10	2.69E-11	8.87E-11	6.11E-12	1.22E-10
3273	469605.77	3819390.15	3.23E-10	1.36E-09	1.22E-10	1.80E-09	2.69E-10	9.96E-10	8.76E-11	1.35E-09	3.05E-11	1.75E-10	2.08E-11	2.26E-10	2.77E-11	9.14E-11	6.30E-12	1.25E-10
3274	469605.57	3819399.8	3.33E-10	1.40E-09	1.26E-10	1.86E-09	2.77E-10	1.03E-09	9.04E-11	1.40E-09	3.14E-11	1.80E-10	2.15E-11	2.33E-10	2.86E-11	9.43E-11	6.50E-12	1.29E-10
3275	469605.38	3819409.45	3.44E-10	1.44E-09	1.30E-10	1.92E-09	2.86E-10	1.06E-09	9.34E-11	1.44E-09	3.25E-11	1.86E-10	2.22E-11	2.41E-10	2.95E-11	9.73E-11	6.71E-12	1.34E-10
3276	469605.19	3819419.09	3.56E-10	1.49E-09	1.35E-10	1.98E-09	2.96E-10	1.10E-09	9.66E-11	1.49E-09	3.36E-11	1.92E-10	2.30E-11	2.49E-10	3.05E-11	1.01E-10	6.94E-12	1.38E-10
3277	469604.99	3819428.74	3.68E-10	1.55E-09	1.39E-10	2.05E-09	3.07E-10	1.14E-09	1.00E-10	1.54E-09	3.48E-11	1.99E-10	2.38E-11	2.58E-10	3.16E-11	1.04E-10	7.19E-12	1.43E-10
3278	469604.8	3819438.39	3.81E-10	1.60E-09	1.44E-10	2.13E-09	3.18E-10	1.18E-09	1.03E-10	1.60E-09	3.60E-11	2.06E-10	2.46E-11	2.67E-10	3.27E-11	1.08E-10	7.44E-12	1.48E-10
3279	469576.72	3819207.77	1.95E-10	8.21E-10	7.39E-11	1.09E-09	1.63E-10	6.03E-10	5.30E-11	8.19E-10	1.85E-11	1.06E-10	1.26E-11	1.37E-10	1.68E-11	5.53E-11	3.81E-12	7.59E-11
3280	469580.54	3819198.99	1.97E-10	8.27E-10	7.45E-11	1.10E-09	1.64E-10	6.08E-10	5.35E-11	8.25E-10	1.86E-11	1.06E-10	1.27E-11	1.38E-10	1.69E-11	5.57E-11	3.84E-12	7.65E-11
3281	469584.37	3819190.21	1.99E-10	8.34E-10	7.51E-11	1.11E-09	1.66E-10	6.13E-10	5.39E-11	8.33E-10	1.88E-11	1.07E-10	1.28E-11	1.39E-10	1.71E-11	5.62E-11	3.88E-12	7.72E-11
3282	469588.2	3819181.44	2.01E-10	8.44E-10	7.60E-11	1.12E-09	1.67E-10	6.20E-10	5.45E-11	8.42E-10	1.90E-11	1.09E-10	1.30E-11	1.41E-10	1.72E-11	5.69E-11	3.92E-12	7.80E-11
3283	469592.03	3819172.66	2.03E-10	8.54E-10	7.69E-11	1.13E-09	1.69E-10	6.27E-10	5.52E-11	8.52E-10	1.92E-11	1.10E-10	1.31E-11	1.42E-10	1.75E-11	5.75E-11	3.97E-12	7.90E-11
3284	469595.86	3819163.88	2.06E-10	8.65E-10	7.79E-11	1.15E-09	1.72E-10	6.36E-10	5.59E-11	8.63E-10	1.95E-11	1.11E-10	1.33E-11	1.44E-10	1.77E-11	5.83E-11	4.02E-12	8.00E-11
3285	469599.69	3819155.1	2.09E-10	8.78E-10	7.91E-11	1.17E-09	1.74E-10	6.45E-10	5.68E-11	8.76E-10	1.97E-11	1.13E-10	1.35E-11	1.46E-10	1.80E-11	5.92E-11	4.08E-12	8.12E-11
3286	469603.51	3819146.32	2.12E-10	8.92E-10	8.04E-11	1.19E-09	1.77E-10	6.56E-10	5.77E-11	8.90E-10	2.01E-11	1.15E-10	1.37E-11	1.49E-10	1.82E-11	6.01E-11	4.15E-12	8.25E-11
3287	469607.34	3819137.54	2.16E-10	9.08E-10	8.18E-11	1.21E-09	1.80E-10	6.67E-10	5.87E-11	9.06E-10	2.04E-11	1.17E-10	1.39E-11	1.51E-10	1.86E-11	6.12E-11	4.22E-12	8.40E-11
3288	469611.17	3819128.76	2.20E-10	9.25E-10	8.33E-11	1.23E-09	1.83E-10	6.79E-10	5.98E-11	9.23E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.23E-11	4.30E-12	8.55E-11
3289	469615	3819119.98	2.24E-10	9.42E-10	8.49E-11	1.25E-09	1.87E-10	6.93E-10	6.09E-11	9.40E-10	2.12E-11	1.21E-10	1.45E-11	1.57E-10	1.93E-11	6.35E-11	4.38E-12	8.72E-11
3290	469618.83	3819111.21	2.29E-10	9.62E-10	8.66E-11	1.28E-09	1.91E-10	7.07E-10	6.22E-11	9.59E-10	2.16E-11	1.24E-10	1.48E-11	1.60E-10	1.97E-11	6.48E-11	4.47E-12	8.89E-11
3291	469622.66	3819102.43	2.34E-10	9.82E-10	8.84E-11	1.30E-09	1.95E-10	7.21E-10	6.35E-11	9.79E-10	2.21E-11	1.26E-10	1.51E-11	1.64E-10	2.01E-11	6.62E-11	4.56E-12	9.08E-11
3292	469626.49	3819093.65	2.39E-10	1.00E-09	9.03E-11	1.33E-09	1.99E-10	7.37E-10	6.48E-11	1.00E-09	2.25E-11	1.29E-10	1.54E-11	1.67E-10	2.05E-11	6.76E-11	4.66E-12	9.27E-11
3293	469630.31	3819084.87	2.44E-10	1.02E-09	9.23E-11	1.36E-09	2.03E-10	7.53E-10	6.62E-11	1.02E-09	2.30E-11	1.32E-10	1.57E-11	1.71E-10	2.09E-11	6.90E-11	4.76E-12	9.47E-11
3294	469634.14	3819076.09	2.49E-10	1.05E-09	9.43E-11	1.39E-09	2.08E-10	7.69E-10	6.77E-11	1.04E-09	2.35E-11	1.35E-10	1.61E-11	1.74E-10	2.14E-11	7.06E-11	4.87E-12	9.68E-11
3295	469637.97	3819067.31	2.55E-10	1.07E-09	9.64E-11	1.42E-09	2.12E-10	7.86E-10	6.92E-11	1.07E-09	2.41E-11	1.38E-10	1.64E-11	1.78E-10	2.19E-11	7.21E-11	4.97E-12	9.90E-11
3296	469641.8	3819058.53	2.61E-10	1.09E-09	9.86E-11	1.45E-09	2.17E-10	8.04E-10	7.07E-11	1.09E-09	2.46E-11	1.41E-10	1.68E-11	1.82E-10	2.24E-11	7.38E-11	5.08E-12	1.01E-10

3297	469645.63	3819049.75	2.66E-10	1.12E-09	1.01E-10	1.49E-09	2.22E-10	8.22E-10	7.23E-11	1.12E-09	2.52E-11	1.44E-10	1.72E-11	1.86E-10	2.29E-11	7.54E-11	5.20E-12	1.03E-10
3298	469649.46	3819040.97	2.72E-10	1.14E-09	1.03E-10	1.52E-09	2.27E-10	8.39E-10	7.38E-11	1.14E-09	2.57E-11	1.47E-10	1.75E-11	1.90E-10	2.34E-11	7.70E-11	5.31E-12	1.06E-10
3299	469653.29	3819032.2	2.77E-10	1.17E-09	1.05E-10	1.55E-09	2.31E-10	8.56E-10	7.53E-11	1.16E-09	2.62E-11	1.50E-10	1.79E-11	1.94E-10	2.38E-11	7.85E-11	5.41E-12	1.08E-10
3300	469657.11	3819023.42	2.83E-10	1.19E-09	1.07E-10	1.58E-09	2.36E-10	8.73E-10	7.68E-11	1.19E-09	2.67E-11	1.53E-10	1.83E-11	1.98E-10	2.43E-11	8.01E-11	5.52E-12	1.10E-10
3301	469660.94	3819014.64	2.89E-10	1.21E-09	1.09E-10	1.61E-09	2.40E-10	8.90E-10	7.83E-11	1.21E-09	2.72E-11	1.56E-10	1.86E-11	2.02E-10	2.48E-11	8.17E-11	5.63E-12	1.12E-10
3302	469664.77	3819005.86	2.94E-10	1.24E-09	1.11E-10	1.64E-09	2.45E-10	9.09E-10	7.99E-11	1.23E-09	2.78E-11	1.59E-10	1.90E-11	2.06E-10	2.53E-11	8.33E-11	5.75E-12	1.14E-10
3303	469668.6	3818997.08	3.00E-10	1.26E-09	1.14E-10	1.68E-09	2.50E-10	9.27E-10	8.15E-11	1.26E-09	2.84E-11	1.62E-10	1.94E-11	2.10E-10	2.58E-11	8.50E-11	5.86E-12	1.17E-10
3304	469672.43	3818988.3	3.06E-10	1.29E-09	1.16E-10	1.71E-09	2.55E-10	9.45E-10	8.31E-11	1.28E-09	2.89E-11	1.65E-10	1.97E-11	2.14E-10	2.63E-11	8.67E-11	5.97E-12	1.19E-10
3305	469676.26	3818979.52	3.13E-10	1.31E-09	1.18E-10	1.74E-09	2.60E-10	9.65E-10	8.49E-11	1.31E-09	2.95E-11	1.69E-10	2.02E-11	2.19E-10	2.68E-11	8.85E-11	6.10E-12	1.21E-10
3306	469706.89	3818909.29	3.50E-10	1.47E-09	1.32E-10	1.95E-09	2.91E-10	1.08E-09	9.50E-11	1.47E-09	3.30E-11	1.89E-10	2.26E-11	2.45E-10	3.00E-11	9.90E-11	6.83E-12	1.36E-10
3307	469710.71	3818900.51	3.53E-10	1.48E-09	1.34E-10	1.97E-09	2.94E-10	1.09E-09	9.59E-11	1.48E-09	3.34E-11	1.91E-10	2.28E-11	2.47E-10	3.03E-11	1.00E-10	6.89E-12	1.37E-10
3308	469714.54	3818891.73	3.56E-10	1.50E-09	1.35E-10	1.99E-09	2.97E-10	1.10E-09	9.67E-11	1.49E-09	3.37E-11	1.93E-10	2.30E-11	2.49E-10	3.06E-11	1.01E-10	6.95E-12	1.38E-10
3309	469718.37	3818882.96	3.60E-10	1.51E-09	1.36E-10	2.01E-09	2.99E-10	1.11E-09	9.76E-11	1.51E-09	3.40E-11	1.94E-10	2.32E-11	2.52E-10	3.09E-11	1.02E-10	7.02E-12	1.40E-10
3310	469722.2	3818874.18	3.62E-10	1.52E-09	1.37E-10	2.02E-09	3.02E-10	1.12E-09	9.84E-11	1.52E-09	3.42E-11	1.96E-10	2.34E-11	2.53E-10	3.11E-11	1.03E-10	7.07E-12	1.41E-10
3311	469726.03	3818865.4	3.65E-10	1.53E-09	1.38E-10	2.04E-09	3.04E-10	1.13E-09	9.90E-11	1.53E-09	3.45E-11	1.97E-10	2.35E-11	2.55E-10	3.13E-11	1.03E-10	7.12E-12	1.42E-10
3312	469729.86	3818856.62	3.67E-10	1.54E-09	1.39E-10	2.05E-09	3.05E-10	1.13E-09	9.95E-11	1.54E-09	3.46E-11	1.98E-10	2.37E-11	2.57E-10	3.15E-11	1.04E-10	7.16E-12	1.42E-10
3313	469742.59	3818844.31	3.79E-10	1.59E-09	1.43E-10	2.11E-09	3.16E-10	1.17E-09	1.03E-10	1.59E-09	3.58E-11	2.05E-10	2.44E-11	2.65E-10	3.25E-11	1.07E-10	7.39E-12	1.47E-10
3314	469751.49	3818840.79	3.89E-10	1.64E-09	1.47E-10	2.17E-09	3.24E-10	1.20E-09	1.06E-10	1.63E-09	3.68E-11	2.11E-10	2.51E-11	2.72E-10	3.34E-11	1.10E-10	7.60E-12	1.51E-10
3315	469760.4	3818837.26	4.00E-10	1.68E-09	1.51E-10	2.23E-09	3.33E-10	1.23E-09	1.09E-10	1.68E-09	3.77E-11	2.16E-10	2.58E-11	2.80E-10	3.43E-11	1.13E-10	7.80E-12	1.55E-10
3316	469769.3	3818833.73	4.10E-10	1.72E-09	1.55E-10	2.29E-09	3.41E-10	1.26E-09	1.11E-10	1.72E-09	3.87E-11	2.22E-10	2.64E-11	2.87E-10	3.52E-11	1.16E-10	8.00E-12	1.59E-10
3317	469778.21	3818830.21	4.20E-10	1.76E-09	1.59E-10	2.34E-09	3.50E-10	1.30E-09	1.14E-10	1.76E-09	3.96E-11	2.27E-10	2.71E-11	2.94E-10	3.60E-11	1.19E-10	8.19E-12	1.63E-10
3318	469787.11	3818826.68	4.30E-10	1.80E-09	1.63E-10	2.40E-09	3.58E-10	1.33E-09	1.17E-10	1.80E-09	4.06E-11	2.32E-10	2.77E-11	3.01E-10	3.69E-11	1.22E-10	8.39E-12	1.67E-10
3319	469796.02	3818823.15	4.40E-10	1.85E-09	1.66E-10	2.45E-09	3.66E-10	1.36E-09	1.19E-10	1.84E-09	4.15E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.24E-10	8.58E-12	1.71E-10
3320	469804.92	3818819.63	4.50E-10	1.89E-09	1.70E-10	2.51E-09	3.75E-10	1.39E-09	1.22E-10	1.88E-09	4.25E-11	2.43E-10	2.90E-11	3.15E-10	3.86E-11	1.27E-10	8.78E-12	1.75E-10
3321	469813.82	3818816.1	4.60E-10	1.93E-09	1.74E-10	2.56E-09	3.83E-10	1.42E-09	1.25E-10	1.93E-09	4.34E-11	2.48E-10	2.96E-11	3.22E-10	3.95E-11	1.30E-10	8.97E-12	1.79E-10
3322	469822.73	3818812.57	4.69E-10	1.97E-09	1.77E-10	2.62E-09	3.91E-10	1.45E-09	1.27E-10	1.97E-09	4.43E-11	2.54E-10	3.03E-11	3.28E-10	4.03E-11	1.33E-10	9.15E-12	1.82E-10
3323	469849.44	3818801.99	4.96E-10	2.08E-09	1.88E-10	2.77E-09	4.13E-10	1.53E-09	1.35E-10	2.08E-09	4.69E-11	2.68E-10	3.20E-11	3.47E-10	4.26E-11	1.40E-10	9.68E-12	1.93E-10
3324	469858.35	3818798.47	5.05E-10	2.12E-09	1.91E-10	2.82E-09	4.21E-10	1.56E-09	1.37E-10	2.12E-09	4.77E-11	2.73E-10	3.26E-11	3.53E-10	4.34E-11	1.43E-10	9.86E-12	1.96E-10
3325	469867.25	3818794.94	5.14E-10	2.16E-09	1.94E-10	2.86E-09	4.28E-10	1.58E-09	1.39E-10	2.15E-09	4.85E-11	2.78E-10	3.31E-11	3.59E-10	4.41E-11	1.45E-10	1.00E-11	1.99E-10
3326	469876.15	3818791.41	5.22E-10	2.19E-09	1.97E-10	2.91E-09	4.34E-10	1.61E-09	1.42E-10	2.19E-09	4.93E-11	2.82E-10	3.36E-11	3.65E-10	4.48E-11	1.48E-10	1.02E-11	2.03E-10
3327	469885.06	3818787.89	5.30E-10	2.22E-09	2.00E-10	2.95E-09	4.41E-10	1.63E-09	1.44E-10	2.22E-09	5.00E-11	2.86E-10	3.42E-11	3.70E-10	4.55E-11	1.50E-10	1.03E-11	2.06E-10
3328	469893.96	3818784.36	5.37E-10	2.26E-09	2.03E-10	3.00E-09	4.48E-10	1.66E-09	1.46E-10	2.25E-09	5.07E-11	2.91E-10	3.47E-11	3.76E-10	4.61E-11	1.52E-10	1.05E-11	2.09E-10
3329	469902.87	3818780.83	5.47E-10	2.30E-09	2.07E-10	3.05E-09	4.56E-10	1.69E-09	1.48E-10	2.29E-09	5.16E-11	2.96E-10	3.53E-11	3.83E-10	4.69E-11	1.55E-10	1.07E-11	2.12E-10
3330	469911.77	3818777.31	5.55E-10	2.33E-09	2.10E-10	3.09E-09	4.62E-10	1.71E-09	1.51E-10	2.32E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.16E-10
3331	469920.68	3818773.78	5.62E-10	2.36E-09	2.13E-10	3.14E-09	4.69E-10	1.74E-09	1.53E-10	2.36E-09	5.31E-11	3.04E-10	3.63E-11	3.93E-10	4.83E-11	1.59E-10	1.10E-11	2.18E-10
3332	469929.58	3818770.25	5.70E-10	2.39E-09	2.15E-10	3.18E-09	4.74E-10	1.76E-09	1.55E-10	2.39E-09	5.38E-11	3.08E-10	3.67E-11	3.98E-10	4.89E-11	1.61E-10	1.11E-11	2.21E-10
3333	469938.49	3818766.73	5.76E-10	2.42E-09	2.18E-10	3.21E-09	4.80E-10	1.78E-09	1.56E-10	2.41E-09	5.44E-11	3.11E-10	3.72E-11	4.03E-10	4.95E-11	1.63E-10	1.12E-11	2.24E-10
3334	469947.39	3818763.2	5.82E-10	2.45E-09	2.20E-10	3.25E-09	4.85E-10	1.80E-09	1.58E-10	2.44E-09	5.50E-11	3.15E-10	3.76E-11	4.07E-10	5.00E-11	1.65E-10	1.14E-11	2.26E-10
3335	470054.24	3818720.88	6.34E-10	2.66E-09	2.40E-10	3.53E-09	5.28E-10	1.96E-09	1.72E-10	2.66E-09	5.98E-11	3.43E-10	4.09E-11	4.43E-10	5.44E-11	1.79E-10	1.24E-11	2.46E-10
3336	470063.15	3818717.35	6.35E-10	2.67E-09	2.40E-10	3.54E-09	5.29E-10	1.96E-09	1.72E-10	2.66E-09	6.00E-11	3.43E-10	4.10E-11	4.44E-10	5.45E-11	1.80E-10	1.24E-11	2.47E-10
3337	470072.05	3818713.83	6.35E-10	2.67E-09	2.40E-10	3.54E-09	5.29E-10	1.96E-09	1.72E-10	2.66E-09	6.00E-11	3.44E-10	4.10E-11	4.45E-10	5.45E-11	1.80E-10	1.24E-11	2.47E-10
3338	470080.96	3818710.3	6.35E-10	2.67E-09	2.40E-10	3.54E-09	5.29E-10	1.96E-09	1.72E-10	2.66E-09	6.00E-11	3.43E-10	4.10E-11	4.44E-10	5.45E-11	1.80E-10	1.24E-11	2.47E-10
3339	470089.86	3818706.77	6.34E-10	2.66E-09	2.40E-10	3.53E-09	5.28E-10	1.96E-09	1.72E-10	2.66E-09	5.98E-11	3.43E-10	4.09E-11	4.43E-10	5.44E-11	1.79E-10	1.24E-11	2.46E-10
3340	470098.76	3818703.25	6.32E-10	2.65E-09	2.39E-10	3.52E-09	5.26E-10	1.95E-09	1.72E-10	2.65E-09	5.97E-11	3.42E-10	4.08E-11	4.42E-10	5.42E-11	1.79E-10	1.23E-11	2.45E-10
3341	470107.67	3818699.72	6.29E-10	2.64E-09	2.38E-10	3.51E-09	5.24E-10	1.94E-09	1.71E-10	2.64E-09	5.94E-11	3.40E-10	4.06E-11	4.40E-10	5.40E-11	1.78E-10	1.23E-11	2.44E-10
3342	469567.71	3819292.87	2.15E-10	9.04E-10	8.14E-11	1.20E-09	1.79E-10	6.64E-10	5.84E-11	9.02E-10	2.03E-11	1.16E-10	1.39E-11	1.51E-10	1.85E-11	6.09E-11	4.20E-12	8.36E-11
3343	469567.51	3819302.52	2.20E-10	9.22E-10	8.30E-11	1.22E-09	1.83E-10	6.77E-10	5.96E-11	9.20E-10	2.07E-11	1.19E-10	1.42E-11	1.54E-10	1.88E-11	6.21E-11	4.28E-12	8.53E-11
3344	469567.32	3819312.16	2.24E-10	9.41E-10	8.48E-11	1.25E-09	1.87E-10	6.92E-10	6.08E-11	9.39E-10	2.12E-11	1.21E-10	1.45E-11	1.57E-10	1.92E-11	6.34E-11	4.37E-12	8.71E-11
3345	469567.13	3819321.81	2.29E-10	9.62E-10	8.66E-11	1.28E-09	1.91E-10	7.07E-10	6.22E-11	9.60E-10	2.16E-11	1.24E-10	1.48E-11	1.60E-10	1.97E-11	6.48E-11	4.47E-12	8.90E-11
3346	469566.93	3819331.46	2.34E-10	9.84E-10	8.86E-11	1.31E-09	1.95E-10	7.23E-10	6.36E-11	9.82E-10	2.21E-11	1.27E-10	1.51E-11	1.64E-10	2.01E-11	6.63E-11	4.57E-12	9.10E-11

3347	469566.74	3819341.11	2.40E-10	1.01E-09	9.08E-11	1.34E-09	2.00E-10	7.41E-10	6.52E-11	1.01E-09	2.27E-11	1.30E-10	1.55E-11	1.68E-10	2.06E-11	6.80E-11	4.68E-12	9.33E-11
3348	469566.55	3819350.76	2.46E-10	1.03E-09	9.31E-11	1.37E-09	2.05E-10	7.59E-10	6.68E-11	1.03E-09	2.32E-11	1.33E-10	1.59E-11	1.72E-10	2.11E-11	6.97E-11	4.80E-12	9.56E-11
3349	469566.35	3819360.4	2.53E-10	1.06E-09	9.55E-11	1.41E-09	2.10E-10	7.79E-10	6.85E-11	1.06E-09	2.38E-11	1.37E-10	1.63E-11	1.77E-10	2.17E-11	7.15E-11	4.93E-12	9.81E-11
3350	469566.16	3819370.05	2.59E-10	1.09E-09	9.81E-11	1.45E-09	2.16E-10	8.00E-10	7.04E-11	1.09E-09	2.45E-11	1.40E-10	1.67E-11	1.81E-10	2.23E-11	7.34E-11	5.06E-12	1.01E-10
3351	469565.97	3819379.7	2.67E-10	1.12E-09	1.01E-10	1.49E-09	2.22E-10	8.23E-10	7.24E-11	1.12E-09	2.52E-11	1.44E-10	1.72E-11	1.86E-10	2.29E-11	7.55E-11	5.20E-12	1.04E-10
3352	469565.77	3819389.35	2.74E-10	1.15E-09	1.04E-10	1.53E-09	2.28E-10	8.46E-10	7.44E-11	1.15E-09	2.59E-11	1.48E-10	1.77E-11	1.92E-10	2.35E-11	7.76E-11	5.35E-12	1.06E-10
3353	469565.58	3819399	2.82E-10	1.18E-09	1.07E-10	1.57E-09	2.35E-10	8.71E-10	7.66E-11	1.18E-09	2.66E-11	1.53E-10	1.82E-11	1.97E-10	2.42E-11	7.99E-11	5.51E-12	1.10E-10
3354	469565.39	3819408.65	2.91E-10	1.22E-09	1.10E-10	1.62E-09	2.42E-10	8.97E-10	7.89E-11	1.22E-09	2.75E-11	1.57E-10	1.88E-11	2.03E-10	2.50E-11	8.23E-11	5.67E-12	1.13E-10
3355	469565.19	3819418.29	3.00E-10	1.26E-09	1.13E-10	1.67E-09	2.50E-10	9.26E-10	8.15E-11	1.26E-09	2.83E-11	1.62E-10	1.94E-11	2.10E-10	2.58E-11	8.49E-11	5.86E-12	1.17E-10
3356	469565	3819427.94	3.10E-10	1.30E-09	1.17E-10	1.73E-09	2.58E-10	9.57E-10	8.41E-11	1.30E-09	2.93E-11	1.68E-10	2.00E-11	2.17E-10	2.66E-11	8.77E-11	6.05E-12	1.20E-10
3357	469564.81	3819437.59	3.20E-10	1.34E-09	1.21E-10	1.79E-09	2.67E-10	9.88E-10	8.69E-11	1.34E-09	3.02E-11	1.73E-10	2.07E-11	2.24E-10	2.75E-11	9.06E-11	6.25E-12	1.24E-10
3358	469536.75	3819206.9	1.70E-10	7.15E-10	6.44E-11	9.49E-10	1.42E-10	5.25E-10	4.62E-11	7.13E-10	1.61E-11	9.20E-11	1.10E-11	1.19E-10	1.46E-11	4.82E-11	3.32E-12	6.61E-11
3359	469540.6	3819198.09	1.71E-10	7.19E-10	6.48E-11	9.55E-10	1.43E-10	5.28E-10	4.65E-11	7.18E-10	1.62E-11	9.26E-11	1.10E-11	1.20E-10	1.47E-11	4.85E-11	3.34E-12	6.65E-11
3360	469544.44	3819189.27	1.73E-10	7.25E-10	6.53E-11	9.62E-10	1.44E-10	5.32E-10	4.68E-11	7.23E-10	1.63E-11	9.33E-11	1.11E-11	1.21E-10	1.48E-11	4.88E-11	3.37E-12	6.70E-11
3361	469548.29	3819180.46	1.74E-10	7.31E-10	6.58E-11	9.71E-10	1.45E-10	5.37E-10	4.73E-11	7.30E-10	1.64E-11	9.41E-11	1.12E-11	1.22E-10	1.49E-11	4.93E-11	3.40E-12	6.76E-11
3362	469552.13	3819171.64	1.76E-10	7.38E-10	6.65E-11	9.81E-10	1.46E-10	5.43E-10	4.77E-11	7.37E-10	1.66E-11	9.51E-11	1.13E-11	1.23E-10	1.51E-11	4.98E-11	3.43E-12	6.83E-11
3363	469555.97	3819162.83	1.78E-10	7.47E-10	6.73E-11	9.92E-10	1.48E-10	5.49E-10	4.83E-11	7.45E-10	1.68E-11	9.61E-11	1.15E-11	1.24E-10	1.53E-11	5.03E-11	3.47E-12	6.91E-11
3364	469559.82	3819154.02	1.80E-10	7.56E-10	6.81E-11	1.00E-09	1.50E-10	5.56E-10	4.89E-11	7.54E-10	1.70E-11	9.73E-11	1.16E-11	1.26E-10	1.55E-11	5.10E-11	3.51E-12	6.99E-11
3365	469563.66	3819145.2	1.83E-10	7.67E-10	6.91E-11	1.02E-09	1.52E-10	5.64E-10	4.96E-11	7.65E-10	1.72E-11	9.87E-11	1.18E-11	1.28E-10	1.57E-11	5.17E-11	3.56E-12	7.09E-11
3366	469567.51	3819136.39	1.85E-10	7.79E-10	7.01E-11	1.03E-09	1.54E-10	5.72E-10	5.03E-11	7.77E-10	1.75E-11	1.00E-10	1.20E-11	1.30E-10	1.59E-11	5.25E-11	3.62E-12	7.20E-11
3367	469571.35	3819127.57	1.89E-10	7.92E-10	7.13E-11	1.05E-09	1.57E-10	5.82E-10	5.12E-11	7.90E-10	1.78E-11	1.02E-10	1.22E-11	1.32E-10	1.62E-11	5.34E-11	3.68E-12	7.32E-11
3368	469575.19	3819118.76	1.92E-10	8.06E-10	7.26E-11	1.07E-09	1.60E-10	5.92E-10	5.21E-11	8.04E-10	1.81E-11	1.04E-10	1.24E-11	1.34E-10	1.65E-11	5.43E-11	3.74E-12	7.45E-11
3369	469579.04	3819109.95	1.95E-10	8.21E-10	7.39E-11	1.09E-09	1.63E-10	6.03E-10	5.30E-11	8.19E-10	1.85E-11	1.06E-10	1.26E-11	1.37E-10	1.68E-11	5.53E-11	3.81E-12	7.59E-11
3370	469582.88	3819101.13	1.99E-10	8.36E-10	7.53E-11	1.11E-09	1.66E-10	6.14E-10	5.40E-11	8.34E-10	1.88E-11	1.08E-10	1.28E-11	1.39E-10	1.71E-11	5.63E-11	3.88E-12	7.73E-11
3371	469586.73	3819092.32	2.03E-10	8.52E-10	7.67E-11	1.13E-09	1.69E-10	6.26E-10	5.51E-11	8.50E-10	1.92E-11	1.10E-10	1.31E-11	1.42E-10	1.74E-11	5.74E-11	3.96E-12	7.88E-11
3372	469590.57	3819083.5	2.07E-10	8.69E-10	7.83E-11	1.15E-09	1.72E-10	6.39E-10	5.62E-11	8.67E-10	1.96E-11	1.12E-10	1.34E-11	1.45E-10	1.78E-11	5.86E-11	4.04E-12	8.04E-11
3373	469594.41	3819074.69	2.11E-10	8.88E-10	7.99E-11	1.18E-09	1.76E-10	6.52E-10	5.74E-11	8.86E-10	2.00E-11	1.14E-10	1.36E-11	1.48E-10	1.81E-11	5.98E-11	4.12E-12	8.21E-11
3374	469598.26	3819065.87	2.16E-10	9.06E-10	8.16E-11	1.20E-09	1.80E-10	6.65E-10	5.85E-11	9.04E-10	2.04E-11	1.17E-10	1.39E-11	1.51E-10	1.85E-11	6.10E-11	4.21E-12	8.38E-11
3375	469602.1	3819057.06	2.20E-10	9.24E-10	8.32E-11	1.23E-09	1.83E-10	6.79E-10	5.97E-11	9.22E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.23E-11	4.29E-12	8.55E-11
3376	469605.95	3819048.25	2.25E-10	9.43E-10	8.49E-11	1.25E-09	1.87E-10	6.93E-10	6.10E-11	9.41E-10	2.12E-11	1.21E-10	1.45E-11	1.57E-10	1.93E-11	6.36E-11	4.38E-12	8.72E-11
3377	469609.79	3819039.43	2.29E-10	9.63E-10	8.68E-11	1.28E-09	1.91E-10	7.08E-10	6.23E-11	9.61E-10	2.17E-11	1.24E-10	1.48E-11	1.60E-10	1.97E-11	6.49E-11	4.48E-12	8.91E-11
3378	469613.63	3819030.62	2.34E-10	9.84E-10	8.86E-11	1.31E-09	1.95E-10	7.23E-10	6.36E-11	9.82E-10	2.21E-11	1.27E-10	1.51E-11	1.64E-10	2.01E-11	6.63E-11	4.57E-12	9.10E-11
3379	469617.48	3819021.8	2.39E-10	1.00E-09	9.04E-11	1.33E-09	1.99E-10	7.38E-10	6.49E-11	1.00E-09	2.26E-11	1.29E-10	1.54E-11	1.67E-10	2.05E-11	6.77E-11	4.67E-12	9.29E-11
3380	469621.32	3819012.99	2.44E-10	1.02E-09	9.23E-11	1.36E-09	2.03E-10	7.53E-10	6.63E-11	1.02E-09	2.30E-11	1.32E-10	1.57E-11	1.71E-10	2.10E-11	6.91E-11	4.76E-12	9.48E-11
3381	469625.16	3819004.18	2.49E-10	1.05E-09	9.42E-11	1.39E-09	2.07E-10	7.69E-10	6.76E-11	1.04E-09	2.35E-11	1.35E-10	1.61E-11	1.74E-10	2.14E-11	7.05E-11	4.86E-12	9.68E-11
3382	469629.01	3818995.36	2.54E-10	1.07E-09	9.61E-11	1.42E-09	2.12E-10	7.84E-10	6.90E-11	1.06E-09	2.40E-11	1.37E-10	1.64E-11	1.78E-10	2.18E-11	7.19E-11	4.96E-12	9.87E-11
3383	469632.85	3818986.55	2.59E-10	1.09E-09	9.80E-11	1.45E-09	2.16E-10	8.00E-10	7.04E-11	1.09E-09	2.45E-11	1.40E-10	1.67E-11	1.81E-10	2.22E-11	7.34E-11	5.06E-12	1.01E-10
3384	469636.7	3818977.73	2.65E-10	1.11E-09	1.00E-10	1.48E-09	2.21E-10	8.18E-10	7.19E-11	1.11E-09	2.50E-11	1.43E-10	1.71E-11	1.85E-10	2.27E-11	7.50E-11	5.17E-12	1.03E-10
3385	469640.54	3818968.92	2.70E-10	1.13E-09	1.02E-10	1.50E-09	2.25E-10	8.32E-10	7.32E-11	1.13E-09	2.55E-11	1.46E-10	1.74E-11	1.89E-10	2.31E-11	7.63E-11	5.26E-12	1.05E-10
3386	469644.38	3818960.1	2.74E-10	1.15E-09	1.04E-10	1.53E-09	2.28E-10	8.46E-10	7.44E-11	1.15E-09	2.59E-11	1.48E-10	1.77E-11	1.92E-10	2.35E-11	7.76E-11	5.35E-12	1.06E-10
3387	469648.23	3818951.29	2.79E-10	1.17E-09	1.05E-10	1.55E-09	2.32E-10	8.60E-10	7.56E-11	1.17E-09	2.63E-11	1.51E-10	1.80E-11	1.95E-10	2.39E-11	7.88E-11	5.44E-12	1.08E-10
3388	469652.07	3818942.48	2.83E-10	1.19E-09	1.07E-10	1.58E-09	2.36E-10	8.73E-10	7.68E-11	1.19E-09	2.67E-11	1.53E-10	1.83E-11	1.98E-10	2.43E-11	8.01E-11	5.52E-12	1.10E-10
3389	469655.92	3818933.66	2.87E-10	1.21E-09	1.09E-10	1.60E-09	2.39E-10	8.87E-10	7.80E-11	1.20E-09	2.71E-11	1.55E-10	1.85E-11	2.01E-10	2.47E-11	8.13E-11	5.61E-12	1.12E-10
3390	469659.76	3818924.85	2.92E-10	1.22E-09	1.10E-10	1.63E-09	2.43E-10	9.00E-10	7.91E-11	1.22E-09	2.75E-11	1.58E-10	1.88E-11	2.04E-10	2.50E-11	8.25E-11	5.69E-12	1.13E-10
3391	469714.83	3818815.54	3.33E-10	1.40E-09	1.26E-10	1.86E-09	2.77E-10	1.03E-09	9.04E-11	1.39E-09	3.14E-11	1.80E-10	2.15E-11	2.33E-10	2.86E-11	9.42E-11	6.50E-12	1.29E-10
3392	469723.77	3818812	3.42E-10	1.44E-09	1.29E-10	1.91E-09	2.85E-10	1.05E-09	9.28E-11	1.43E-09	3.23E-11	1.85E-10	2.20E-11	2.39E-10	2.93E-11	9.67E-11	6.67E-12	1.33E-10
3393	469732.71	3818808.46	3.50E-10	1.47E-09	1.33E-10	1.95E-09	2.92E-10	1.08E-09	9.51E-11	1.47E-09	3.31E-11	1.89E-10	2.26E-11	2.45E-10	3.01E-11	9.92E-11	6.84E-12	1.36E-10
3394	469741.65	3818804.91	3.59E-10	1.51E-09	1.36E-10	2.00E-09	2.99E-10	1.11E-09	9.74E-11	1.50E-09	3.39E-11	1.94E-10	2.31E-11	2.51E-10	3.08E-11	1.02E-10	7.00E-12	1.39E-10
3395	469750.59	3818801.37	3.67E-10	1.54E-09	1.39E-10	2.05E-09	3.06E-10	1.13E-09	9.97E-11	1.54E-09	3.47E-11	1.99E-10	2.37E-11	2.57E-10	3.15E-11	1.04E-10	7.17E-12	1.43E-10
3396	469759.53	3818797.83	3.76E-10	1.58E-09	1.42E-10	2.09E-09	3.13E-10	1.16E-09	1.02E-10	1.57E-09	3.55E-11	2.03E-10	2.42E-11	2.63E-10	3.22E-11	1.06E-10	7.33E-12	1.46E-10

3397	469768.47	3818794.29	3.84E-10	1.61E-09	1.45E-10	2.14E-09	3.20E-10	1.18E-09	1.04E-10	1.61E-09	3.63E-11	2.08E-10	2.48E-11	2.69E-10	3.30E-11	1.09E-10	7.49E-12	1.49E-10
3398	469777.41	3818790.75	3.92E-10	1.65E-09	1.48E-10	2.19E-09	3.27E-10	1.21E-09	1.06E-10	1.64E-09	3.70E-11	2.12E-10	2.53E-11	2.74E-10	3.37E-11	1.11E-10	7.66E-12	1.52E-10
3399	469786.35	3818787.21	4.01E-10	1.68E-09	1.51E-10	2.23E-09	3.34E-10	1.24E-09	1.09E-10	1.68E-09	3.78E-11	2.17E-10	2.58E-11	2.80E-10	3.44E-11	1.13E-10	7.82E-12	1.56E-10
3400	469795.29	3818783.67	4.08E-10	1.72E-09	1.54E-10	2.28E-09	3.40E-10	1.26E-09	1.11E-10	1.71E-09	3.86E-11	2.21E-10	2.63E-11	2.86E-10	3.51E-11	1.16E-10	7.97E-12	1.59E-10
3401	469804.23	3818780.13	4.16E-10	1.75E-09	1.57E-10	2.32E-09	3.47E-10	1.28E-09	1.13E-10	1.74E-09	3.93E-11	2.25E-10	2.68E-11	2.91E-10	3.57E-11	1.18E-10	8.12E-12	1.62E-10
3402	469813.17	3818776.59	4.24E-10	1.78E-09	1.60E-10	2.36E-09	3.53E-10	1.31E-09	1.15E-10	1.77E-09	4.00E-11	2.29E-10	2.73E-11	2.96E-10	3.64E-11	1.20E-10	8.26E-12	1.64E-10
3403	469822.11	3818773.05	4.31E-10	1.81E-09	1.63E-10	2.41E-09	3.59E-10	1.33E-09	1.17E-10	1.81E-09	4.07E-11	2.33E-10	2.78E-11	3.02E-10	3.70E-11	1.22E-10	8.42E-12	1.68E-10
3404	469848.93	3818762.42	4.53E-10	1.90E-09	1.71E-10	2.53E-09	3.78E-10	1.40E-09	1.23E-10	1.90E-09	4.28E-11	2.45E-10	2.92E-11	3.17E-10	3.89E-11	1.28E-10	8.84E-12	1.76E-10
3405	470054.56	3818680.98	5.59E-10	2.35E-09	2.11E-10	3.12E-09	4.66E-10	1.73E-09	1.52E-10	2.34E-09	5.28E-11	3.02E-10	3.61E-11	3.91E-10	4.80E-11	1.58E-10	1.09E-11	2.17E-10
3406	470063.5	3818677.44	5.60E-10	2.35E-09	2.12E-10	3.12E-09	4.66E-10	1.73E-09	1.52E-10	2.35E-09	5.29E-11	3.03E-10	3.61E-11	3.92E-10	4.81E-11	1.58E-10	1.09E-11	2.17E-10
3407	470072.44	3818673.9	5.60E-10	2.35E-09	2.12E-10	3.12E-09	4.66E-10	1.73E-09	1.52E-10	2.35E-09	5.29E-11	3.03E-10	3.61E-11	3.92E-10	4.81E-11	1.59E-10	1.09E-11	2.18E-10
3408	470081.38	3818670.36	5.60E-10	2.35E-09	2.12E-10	3.12E-09	4.66E-10	1.73E-09	1.52E-10	2.35E-09	5.28E-11	3.03E-10	3.61E-11	3.91E-10	4.80E-11	1.58E-10	1.09E-11	2.17E-10
3409	470090.32	3818666.82	5.59E-10	2.35E-09	2.11E-10	3.12E-09	4.65E-10	1.72E-09	1.52E-10	2.34E-09	5.28E-11	3.02E-10	3.60E-11	3.91E-10	4.80E-11	1.58E-10	1.09E-11	2.17E-10
3410	470099.26	3818663.28	5.57E-10	2.34E-09	2.11E-10	3.11E-09	4.64E-10	1.72E-09	1.51E-10	2.33E-09	5.26E-11	3.01E-10	3.59E-11	3.90E-10	4.78E-11	1.58E-10	1.09E-11	2.16E-10
3411	470108.2	3818659.74	5.55E-10	2.33E-09	2.10E-10	3.09E-09	4.62E-10	1.71E-09	1.51E-10	2.32E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.15E-10
3412	469527.71	3819292.07	1.87E-10	7.87E-10	7.09E-11	1.05E-09	1.56E-10	5.78E-10	5.09E-11	7.85E-10	1.77E-11	1.01E-10	1.21E-11	1.31E-10	1.61E-11	5.30E-11	3.66E-12	7.28E-11
3413	469527.52	3819301.71	1.91E-10	8.02E-10	7.23E-11	1.07E-09	1.59E-10	5.90E-10	5.19E-11	8.01E-10	1.80E-11	1.03E-10	1.23E-11	1.34E-10	1.64E-11	5.41E-11	3.73E-12	7.42E-11
3414	469527.33	3819311.36	1.95E-10	8.19E-10	7.38E-11	1.09E-09	1.63E-10	6.02E-10	5.30E-11	8.18E-10	1.84E-11	1.05E-10	1.26E-11	1.36E-10	1.67E-11	5.52E-11	3.81E-12	7.58E-11
3415	469527.13	3819321.01	1.99E-10	8.37E-10	7.54E-11	1.11E-09	1.66E-10	6.15E-10	5.41E-11	8.35E-10	1.88E-11	1.08E-10	1.29E-11	1.39E-10	1.71E-11	5.64E-11	3.89E-12	7.74E-11
3416	469526.94	3819330.66	2.04E-10	8.55E-10	7.70E-11	1.14E-09	1.70E-10	6.28E-10	5.53E-11	8.53E-10	1.92E-11	1.10E-10	1.31E-11	1.42E-10	1.75E-11	5.76E-11	3.97E-12	7.91E-11
3417	469526.75	3819340.31	2.08E-10	8.74E-10	7.87E-11	1.16E-09	1.73E-10	6.42E-10	5.65E-11	8.72E-10	1.97E-11	1.13E-10	1.34E-11	1.46E-10	1.79E-11	5.89E-11	4.06E-12	8.09E-11
3418	469526.55	3819349.96	2.13E-10	8.95E-10	8.06E-11	1.19E-09	1.78E-10	6.58E-10	5.79E-11	8.93E-10	2.01E-11	1.15E-10	1.37E-11	1.49E-10	1.83E-11	6.03E-11	4.16E-12	8.28E-11
3419	469526.36	3819359.6	2.18E-10	9.17E-10	8.26E-11	1.22E-09	1.82E-10	6.74E-10	5.93E-11	9.15E-10	2.06E-11	1.18E-10	1.41E-11	1.53E-10	1.87E-11	6.18E-11	4.26E-12	8.48E-11
3420	469526.17	3819369.25	2.24E-10	9.40E-10	8.46E-11	1.25E-09	1.86E-10	6.91E-10	6.08E-11	9.38E-10	2.11E-11	1.21E-10	1.44E-11	1.57E-10	1.92E-11	6.33E-11	4.37E-12	8.69E-11
3421	469525.98	3819378.9	2.30E-10	9.64E-10	8.68E-11	1.28E-09	1.91E-10	7.08E-10	6.23E-11	9.62E-10	2.17E-11	1.24E-10	1.48E-11	1.61E-10	1.97E-11	6.50E-11	4.48E-12	8.92E-11
3422	469525.78	3819388.55	2.36E-10	9.90E-10	8.91E-11	1.31E-09	1.96E-10	7.27E-10	6.40E-11	9.88E-10	2.23E-11	1.27E-10	1.52E-11	1.65E-10	2.02E-11	6.67E-11	4.60E-12	9.15E-11
3423	469525.59	3819398.2	2.42E-10	1.02E-09	9.15E-11	1.35E-09	2.02E-10	7.47E-10	6.57E-11	1.01E-09	2.29E-11	1.31E-10	1.56E-11	1.69E-10	2.08E-11	6.85E-11	4.72E-12	9.40E-11
3424	469525.4	3819407.84	2.49E-10	1.05E-09	9.41E-11	1.39E-09	2.07E-10	7.68E-10	6.76E-11	1.04E-09	2.35E-11	1.35E-10	1.61E-11	1.74E-10	2.14E-11	7.04E-11	4.86E-12	9.67E-11
3425	469525.2	3819417.49	2.56E-10	1.08E-09	9.70E-11	1.43E-09	2.14E-10	7.91E-10	6.96E-11	1.07E-09	2.42E-11	1.39E-10	1.65E-11	1.79E-10	2.20E-11	7.26E-11	5.00E-12	9.96E-11
3426	469525.01	3819427.14	2.64E-10	1.11E-09	9.99E-11	1.47E-09	2.20E-10	8.15E-10	7.17E-11	1.11E-09	2.50E-11	1.43E-10	1.70E-11	1.85E-10	2.27E-11	7.48E-11	5.16E-12	1.03E-10
3427	469524.82	3819436.79	2.73E-10	1.14E-09	1.03E-10	1.52E-09	2.27E-10	8.41E-10	7.40E-11	1.14E-09	2.57E-11	1.47E-10	1.76E-11	1.91E-10	2.34E-11	7.71E-11	5.32E-12	1.06E-10
3428	469500.65	3819197.19	1.50E-10	6.31E-10	5.69E-11	8.39E-10	1.25E-10	4.64E-10	4.08E-11	6.30E-10	1.42E-11	8.13E-11	9.70E-12	1.05E-10	1.29E-11	4.26E-11	2.93E-12	5.84E-11
3429	469504.5	3819188.35	1.51E-10	6.35E-10	5.72E-11	8.44E-10	1.26E-10	4.67E-10	4.11E-11	6.34E-10	1.43E-11	8.18E-11	9.75E-12	1.06E-10	1.30E-11	4.28E-11	2.95E-12	5.87E-11
3430	469508.36	3819179.5	1.52E-10	6.40E-10	5.76E-11	8.50E-10	1.27E-10	4.70E-10	4.14E-11	6.38E-10	1.44E-11	8.24E-11	9.83E-12	1.07E-10	1.31E-11	4.31E-11	2.97E-12	5.92E-11
3431	469512.22	3819170.66	1.54E-10	6.45E-10	5.81E-11	8.57E-10	1.28E-10	4.74E-10	4.17E-11	6.44E-10	1.45E-11	8.31E-11	9.91E-12	1.07E-10	1.32E-11	4.35E-11	3.00E-12	5.97E-11
3432	469516.08	3819161.81	1.55E-10	6.51E-10	5.86E-11	8.65E-10	1.29E-10	4.78E-10	4.21E-11	6.50E-10	1.46E-11	8.38E-11	1.00E-11	1.08E-10	1.33E-11	4.39E-11	3.02E-12	6.02E-11
3433	469519.93	3819152.97	1.56E-10	6.57E-10	5.92E-11	8.73E-10	1.30E-10	4.83E-10	4.25E-11	6.56E-10	1.48E-11	8.46E-11	1.01E-11	1.09E-10	1.34E-11	4.43E-11	3.05E-12	6.08E-11
3434	469523.79	3819144.12	1.58E-10	6.64E-10	5.98E-11	8.82E-10	1.32E-10	4.88E-10	4.29E-11	6.63E-10	1.49E-11	8.55E-11	1.02E-11	1.11E-10	1.36E-11	4.48E-11	3.09E-12	6.14E-11
3435	469527.65	3819135.28	1.60E-10	6.72E-10	6.05E-11	8.92E-10	1.33E-10	4.94E-10	4.34E-11	6.70E-10	1.51E-11	8.65E-11	1.03E-11	1.12E-10	1.37E-11	4.53E-11	3.12E-12	6.21E-11
3436	469531.51	3819126.43	1.62E-10	6.82E-10	6.14E-11	9.06E-10	1.35E-10	5.01E-10	4.41E-11	6.80E-10	1.53E-11	8.78E-11	1.05E-11	1.14E-10	1.39E-11	4.60E-11	3.17E-12	6.31E-11
3437	469535.36	3819117.59	1.65E-10	6.92E-10	6.23E-11	9.19E-10	1.37E-10	5.09E-10	4.47E-11	6.91E-10	1.56E-11	8.91E-11	1.06E-11	1.15E-10	1.42E-11	4.67E-11	3.22E-12	6.40E-11
3438	469539.22	3819108.74	1.68E-10	7.04E-10	6.34E-11	9.35E-10	1.40E-10	5.17E-10	4.55E-11	7.02E-10	1.58E-11	9.06E-11	1.08E-11	1.17E-10	1.44E-11	4.75E-11	3.27E-12	6.51E-11
3439	469543.08	3819099.9	1.71E-10	7.17E-10	6.45E-11	9.52E-10	1.42E-10	5.26E-10	4.63E-11	7.15E-10	1.61E-11	9.22E-11	1.10E-11	1.19E-10	1.46E-11	4.83E-11	3.33E-12	6.63E-11
3440	469546.94	3819091.05	1.74E-10	7.30E-10	6.57E-11	9.69E-10	1.45E-10	5.36E-10	4.72E-11	7.28E-10	1.64E-11	9.39E-11	1.12E-11	1.22E-10	1.49E-11	4.92E-11	3.39E-12	6.75E-11
3441	469550.79	3819082.21	1.77E-10	7.44E-10	6.70E-11	9.88E-10	1.47E-10	5.46E-10	4.81E-11	7.42E-10	1.67E-11	9.57E-11	1.14E-11	1.24E-10	1.52E-11	5.01E-11	3.46E-12	6.88E-11
3442	469554.65	3819073.36	1.80E-10	7.58E-10	6.82E-11	1.01E-09	1.50E-10	5.57E-10	4.90E-11	7.56E-10	1.70E-11	9.75E-11	1.16E-11	1.26E-10	1.55E-11	5.11E-11	3.52E-12	7.01E-11
3443	469558.51	3819064.52	1.84E-10	7.73E-10	6.96E-11	1.03E-09	1.53E-10	5.68E-10	5.00E-11	7.71E-10	1.74E-11	9.95E-11	1.19E-11	1.29E-10	1.58E-11	5.21E-11	3.59E-12	7.15E-11
3444	469562.37	3819055.67	1.88E-10	7.89E-10	7.10E-11	1.05E-09	1.56E-10	5.80E-10	5.10E-11	7.87E-10	1.77E-11	1.02E-10	1.21E-11	1.31E-10	1.61E-11	5.32E-11	3.67E-12	7.30E-11
3445	469566.22	3819046.83	1.92E-10	8.05E-10	7.25E-11	1.07E-09	1.60E-10	5.92E-10	5.21E-11	8.03E-10	1.81E-11	1.04E-10	1.24E-11	1.34E-10	1.65E-11	5.43E-11	3.74E-12	7.45E-11
3446	469570.08	3819037.98	1.95E-10	8.18E-10	7.37E-11	1.09E-09	1.62E-10	6.01E-10	5.29E-11	8.16E-10	1.84E-11	1.05E-10	1.26E-11	1.36E-10	1.67E-11	5.52E-11	3.80E-12	7.57E-11

3447	469573.94	3819029.13	1.99E-10	8.36E-10	7.53E-11	1.11E-09	1.66E-10	6.14E-10	5.40E-11	8.34E-10	1.88E-11	1.08E-10	1.28E-11	1.39E-10	1.71E-11	5.63E-11	3.88E-12	7.73E-11
3448	469577.8	3819020.29	2.03E-10	8.54E-10	7.69E-11	1.13E-09	1.69E-10	6.28E-10	5.52E-11	8.52E-10	1.92E-11	1.10E-10	1.31E-11	1.42E-10	1.75E-11	5.76E-11	3.97E-12	7.90E-11
3449	469581.65	3819011.44	2.08E-10	8.73E-10	7.86E-11	1.16E-09	1.73E-10	6.42E-10	5.65E-11	8.71E-10	1.96E-11	1.12E-10	1.34E-11	1.45E-10	1.79E-11	5.89E-11	4.06E-12	8.08E-11
3450	469585.51	3819002.6	2.13E-10	8.93E-10	8.04E-11	1.19E-09	1.77E-10	6.56E-10	5.77E-11	8.91E-10	2.01E-11	1.15E-10	1.37E-11	1.49E-10	1.83E-11	6.02E-11	4.15E-12	8.26E-11
3451	469589.37	3818993.75	2.17E-10	9.12E-10	8.22E-11	1.21E-09	1.81E-10	6.70E-10	5.90E-11	9.10E-10	2.05E-11	1.17E-10	1.40E-11	1.52E-10	1.87E-11	6.15E-11	4.24E-12	8.44E-11
3452	469593.23	3818984.91	2.22E-10	9.32E-10	8.39E-11	1.24E-09	1.85E-10	6.85E-10	6.02E-11	9.30E-10	2.10E-11	1.20E-10	1.43E-11	1.55E-10	1.90E-11	6.28E-11	4.33E-12	8.62E-11
3453	469597.08	3818976.06	2.26E-10	9.50E-10	8.55E-11	1.26E-09	1.88E-10	6.98E-10	6.14E-11	9.48E-10	2.14E-11	1.22E-10	1.46E-11	1.58E-10	1.94E-11	6.40E-11	4.41E-12	8.78E-11
3454	469600.94	3818967.22	2.30E-10	9.67E-10	8.71E-11	1.28E-09	1.92E-10	7.11E-10	6.25E-11	9.65E-10	2.18E-11	1.25E-10	1.49E-11	1.61E-10	1.98E-11	6.52E-11	4.49E-12	8.95E-11
3455	469604.8	3818958.37	2.34E-10	9.84E-10	8.87E-11	1.31E-09	1.95E-10	7.23E-10	6.36E-11	9.82E-10	2.21E-11	1.27E-10	1.51E-11	1.64E-10	2.01E-11	6.64E-11	4.57E-12	9.11E-11
3456	469608.66	3818949.53	2.38E-10	1.00E-09	9.02E-11	1.33E-09	1.99E-10	7.36E-10	6.47E-11	9.99E-10	2.25E-11	1.29E-10	1.54E-11	1.67E-10	2.05E-11	6.75E-11	4.65E-12	9.26E-11
3457	469612.51	3818940.68	2.42E-10	1.02E-09	9.17E-11	1.35E-09	2.02E-10	7.48E-10	6.58E-11	1.02E-09	2.29E-11	1.31E-10	1.56E-11	1.70E-10	2.08E-11	6.86E-11	4.73E-12	9.41E-11
3458	469616.37	3818931.84	2.46E-10	1.03E-09	9.31E-11	1.37E-09	2.05E-10	7.60E-10	6.69E-11	1.03E-09	2.33E-11	1.33E-10	1.59E-11	1.72E-10	2.11E-11	6.97E-11	4.81E-12	9.57E-11
3459	469705.01	3818779.66	3.09E-10	1.30E-09	1.17E-10	1.73E-09	2.58E-10	9.55E-10	8.40E-11	1.30E-09	2.92E-11	1.67E-10	2.00E-11	2.16E-10	2.66E-11	8.76E-11	6.04E-12	1.20E-10
3460	469713.98	3818776.1	3.17E-10	1.33E-09	1.20E-10	1.77E-09	2.64E-10	9.77E-10	8.59E-11	1.33E-09	2.99E-11	1.71E-10	2.04E-11	2.21E-10	2.72E-11	8.96E-11	6.18E-12	1.23E-10
3461	469722.95	3818772.55	3.24E-10	1.36E-09	1.22E-10	1.81E-09	2.70E-10	9.99E-10	8.79E-11	1.36E-09	3.06E-11	1.75E-10	2.09E-11	2.26E-10	2.78E-11	9.16E-11	6.32E-12	1.26E-10
3462	469731.92	3818769	3.31E-10	1.39E-09	1.25E-10	1.85E-09	2.76E-10	1.02E-09	8.98E-11	1.39E-09	3.12E-11	1.79E-10	2.13E-11	2.31E-10	2.84E-11	9.37E-11	6.46E-12	1.29E-10
3463	469740.89	3818765.44	3.38E-10	1.42E-09	1.28E-10	1.88E-09	2.81E-10	1.04E-09	9.17E-11	1.42E-09	3.19E-11	1.83E-10	2.18E-11	2.36E-10	2.90E-11	9.57E-11	6.59E-12	1.31E-10
3464	469812.67	3818737.02	3.91E-10	1.64E-09	1.48E-10	2.18E-09	3.25E-10	1.21E-09	1.06E-10	1.64E-09	3.69E-11	2.11E-10	2.52E-11	2.73E-10	3.35E-11	1.11E-10	7.62E-12	1.52E-10
3465	469821.64	3818733.46	3.97E-10	1.67E-09	1.50E-10	2.21E-09	3.30E-10	1.22E-09	1.08E-10	1.66E-09	3.75E-11	2.14E-10	2.56E-11	2.78E-10	3.41E-11	1.12E-10	7.74E-12	1.54E-10
3466	469830.61	3818729.91	4.02E-10	1.69E-09	1.52E-10	2.24E-09	3.35E-10	1.24E-09	1.09E-10	1.69E-09	3.80E-11	2.18E-10	2.60E-11	2.82E-10	3.45E-11	1.14E-10	7.85E-12	1.56E-10
3467	469839.58	3818726.36	4.08E-10	1.71E-09	1.54E-10	2.28E-09	3.40E-10	1.26E-09	1.11E-10	1.71E-09	3.85E-11	2.21E-10	2.63E-11	2.85E-10	3.50E-11	1.15E-10	7.96E-12	1.58E-10
3468	469848.55	3818722.8	4.13E-10	1.74E-09	1.56E-10	2.31E-09	3.44E-10	1.28E-09	1.12E-10	1.73E-09	3.90E-11	2.23E-10	2.67E-11	2.89E-10	3.55E-11	1.17E-10	8.06E-12	1.61E-10
3469	469857.52	3818719.25	4.19E-10	1.76E-09	1.58E-10	2.34E-09	3.49E-10	1.29E-09	1.14E-10	1.75E-09	3.95E-11	2.26E-10	2.70E-11	2.93E-10	3.60E-11	1.19E-10	8.17E-12	1.63E-10
3470	469866.5	3818715.7	4.24E-10	1.78E-09	1.60E-10	2.37E-09	3.53E-10	1.31E-09	1.15E-10	1.78E-09	4.01E-11	2.29E-10	2.74E-11	2.97E-10	3.64E-11	1.20E-10	8.28E-12	1.65E-10
3471	469875.47	3818712.14	4.29E-10	1.80E-09	1.62E-10	2.39E-09	3.57E-10	1.32E-09	1.16E-10	1.80E-09	4.05E-11	2.32E-10	2.77E-11	3.00E-10	3.68E-11	1.21E-10	8.37E-12	1.67E-10
3472	469884.44	3818708.59	4.34E-10	1.82E-09	1.64E-10	2.42E-09	3.61E-10	1.34E-09	1.18E-10	1.82E-09	4.09E-11	2.34E-10	2.80E-11	3.03E-10	3.72E-11	1.23E-10	8.46E-12	1.68E-10
3473	469893.41	3818705.04	4.38E-10	1.84E-09	1.66E-10	2.44E-09	3.65E-10	1.35E-09	1.19E-10	1.84E-09	4.14E-11	2.37E-10	2.83E-11	3.07E-10	3.76E-11	1.24E-10	8.55E-12	1.70E-10
3474	469902.38	3818701.48	4.43E-10	1.86E-09	1.67E-10	2.47E-09	3.69E-10	1.37E-09	1.20E-10	1.85E-09	4.18E-11	2.39E-10	2.86E-11	3.10E-10	3.80E-11	1.25E-10	8.64E-12	1.72E-10
3475	469911.35	3818697.93	4.47E-10	1.88E-09	1.69E-10	2.49E-09	3.72E-10	1.38E-09	1.21E-10	1.87E-09	4.22E-11	2.42E-10	2.88E-11	3.13E-10	3.84E-11	1.27E-10	8.72E-12	1.74E-10
3476	470010.04	3818658.84	4.86E-10	2.04E-09	1.84E-10	2.71E-09	4.05E-10	1.50E-09	1.32E-10	2.04E-09	4.59E-11	2.63E-10	3.14E-11	3.40E-10	4.18E-11	1.38E-10	9.49E-12	1.89E-10
3477	470019.01	3818655.29	4.90E-10	2.06E-09	1.85E-10	2.73E-09	4.08E-10	1.51E-09	1.33E-10	2.05E-09	4.63E-11	2.65E-10	3.16E-11	3.43E-10	4.21E-11	1.39E-10	9.56E-12	1.90E-10
3478	470027.99	3818651.74	4.92E-10	2.07E-09	1.86E-10	2.75E-09	4.10E-10	1.52E-09	1.34E-10	2.06E-09	4.65E-11	2.66E-10	3.17E-11	3.44E-10	4.23E-11	1.39E-10	9.60E-12	1.91E-10
3479	470036.96	3818648.18	4.94E-10	2.08E-09	1.87E-10	2.76E-09	4.12E-10	1.53E-09	1.34E-10	2.07E-09	4.67E-11	2.67E-10	3.19E-11	3.46E-10	4.24E-11	1.40E-10	9.64E-12	1.92E-10
3480	470045.93	3818644.63	4.96E-10	2.08E-09	1.88E-10	2.77E-09	4.13E-10	1.53E-09	1.35E-10	2.08E-09	4.68E-11	2.68E-10	3.20E-11	3.47E-10	4.26E-11	1.40E-10	9.68E-12	1.93E-10
3481	470054.9	3818641.08	4.98E-10	2.09E-09	1.88E-10	2.78E-09	4.15E-10	1.54E-09	1.35E-10	2.09E-09	4.70E-11	2.69E-10	3.21E-11	3.48E-10	4.27E-11	1.41E-10	9.71E-12	1.93E-10
3482	470063.87	3818637.52	4.99E-10	2.10E-09	1.89E-10	2.79E-09	4.16E-10	1.54E-09	1.36E-10	2.09E-09	4.72E-11	2.70E-10	3.22E-11	3.49E-10	4.29E-11	1.41E-10	9.75E-12	1.94E-10
3483	470072.84	3818633.97	5.01E-10	2.10E-09	1.89E-10	2.79E-09	4.17E-10	1.55E-09	1.36E-10	2.10E-09	4.73E-11	2.71E-10	3.23E-11	3.50E-10	4.30E-11	1.42E-10	9.77E-12	1.95E-10
3484	470081.82	3818630.42	4.98E-10	2.09E-09	1.88E-10	2.78E-09	4.15E-10	1.54E-09	1.35E-10	2.09E-09	4.71E-11	2.69E-10	3.21E-11	3.49E-10	4.28E-11	1.41E-10	9.72E-12	1.94E-10
3485	470090.79	3818626.86	4.97E-10	2.09E-09	1.88E-10	2.77E-09	4.14E-10	1.53E-09	1.35E-10	2.08E-09	4.69E-11	2.69E-10	3.21E-11	3.48E-10	4.27E-11	1.41E-10	9.70E-12	1.93E-10
3486	470099.76	3818623.31	5.01E-10	2.10E-09	1.89E-10	2.79E-09	4.17E-10	1.55E-09	1.36E-10	2.10E-09	4.73E-11	2.71E-10	3.23E-11	3.50E-10	4.30E-11	1.42E-10	9.78E-12	1.95E-10
3487	470108.73	3818619.76	5.00E-10	2.10E-09	1.89E-10	2.79E-09	4.16E-10	1.54E-09	1.36E-10	2.09E-09	4.72E-11	2.70E-10	3.22E-11	3.50E-10	4.29E-11	1.41E-10	9.75E-12	1.94E-10
3488	469488.69	3819243.02	1.52E-10	6.40E-10	5.76E-11	8.49E-10	1.27E-10	4.70E-10	4.13E-11	6.38E-10	1.44E-11	8.23E-11	9.82E-12	1.07E-10	1.31E-11	4.31E-11	2.97E-12	5.92E-11
3489	469488.49	3819252.67	1.54E-10	6.48E-10	5.84E-11	8.61E-10	1.29E-10	4.76E-10	4.19E-11	6.47E-10	1.46E-11	8.34E-11	9.95E-12	1.08E-10	1.32E-11	4.37E-11	3.01E-12	5.99E-11
3490	469488.3	3819262.32	1.57E-10	6.57E-10	5.92E-11	8.73E-10	1.30E-10	4.83E-10	4.25E-11	6.56E-10	1.48E-11	8.46E-11	1.01E-11	1.09E-10	1.34E-11	4.43E-11	3.05E-12	6.08E-11
3491	469488.11	3819271.97	1.59E-10	6.67E-10	6.01E-11	8.86E-10	1.32E-10	4.90E-10	4.31E-11	6.66E-10	1.50E-11	8.59E-11	1.03E-11	1.11E-10	1.36E-11	4.50E-11	3.10E-12	6.17E-11
3492	469487.92	3819281.62	1.62E-10	6.78E-10	6.11E-11	9.01E-10	1.35E-10	4.99E-10	4.39E-11	6.77E-10	1.53E-11	8.73E-11	1.04E-11	1.13E-10	1.39E-11	4.57E-11	3.15E-12	6.27E-11
3493	469487.72	3819291.27	1.65E-10	6.91E-10	6.22E-11	9.18E-10	1.37E-10	5.08E-10	4.47E-11	6.89E-10	1.55E-11	8.89E-11	1.06E-11	1.15E-10	1.41E-11	4.66E-11	3.21E-12	6.39E-11
3494	469487.53	3819300.91	1.68E-10	7.05E-10	6.35E-11	9.36E-10	1.40E-10	5.18E-10	4.56E-11	7.03E-10	1.58E-11	9.07E-11	1.08E-11	1.17E-10	1.44E-11	4.75E-11	3.27E-12	6.52E-11
3495	469487.34	3819310.56	1.71E-10	7.20E-10	6.48E-11	9.56E-10	1.43E-10	5.29E-10	4.65E-11	7.18E-10	1.62E-11	9.26E-11	1.11E-11	1.20E-10	1.47E-11	4.85E-11	3.34E-12	6.66E-11
3496	469487.14	3819320.21	1.75E-10	7.35E-10	6.62E-11	9.76E-10	1.46E-10	5.40E-10	4.75E-11	7.33E-10	1.65E-11	9.46E-11	1.13E-11	1.22E-10	1.50E-11	4.95E-11	3.41E-12	6.80E-11

3497	469486.95	3819329.86	1.79E-10	7.50E-10	6.75E-11	9.96E-10	1.49E-10	5.51E-10	4.85E-11	7.48E-10	1.69E-11	9.65E-11	1.15E-11	1.25E-10	1.53E-11	5.05E-11	3.48E-12	6.94E-11
3498	469486.76	3819339.51	1.82E-10	7.66E-10	6.90E-11	1.02E-09	1.52E-10	5.63E-10	4.95E-11	7.64E-10	1.72E-11	9.86E-11	1.18E-11	1.28E-10	1.57E-11	5.16E-11	3.56E-12	7.08E-11
3499	469486.56	3819349.15	1.86E-10	7.83E-10	7.05E-11	1.04E-09	1.55E-10	5.75E-10	5.06E-11	7.81E-10	1.76E-11	1.01E-10	1.20E-11	1.30E-10	1.60E-11	5.28E-11	3.64E-12	7.24E-11
3500	469486.37	3819358.8	1.91E-10	8.01E-10	7.21E-11	1.06E-09	1.59E-10	5.88E-10	5.17E-11	7.99E-10	1.80E-11	1.03E-10	1.23E-11	1.33E-10	1.64E-11	5.40E-11	3.72E-12	7.40E-11
3501	469486.18	3819368.45	1.95E-10	8.19E-10	7.38E-11	1.09E-09	1.63E-10	6.02E-10	5.30E-11	8.18E-10	1.84E-11	1.05E-10	1.26E-11	1.36E-10	1.67E-11	5.52E-11	3.81E-12	7.58E-11
3502	469485.98	3819378.1	2.00E-10	8.39E-10	7.56E-11	1.11E-09	1.66E-10	6.17E-10	5.42E-11	8.37E-10	1.89E-11	1.08E-10	1.29E-11	1.40E-10	1.72E-11	5.66E-11	3.90E-12	7.76E-11
3503	469485.79	3819387.75	2.05E-10	8.60E-10	7.74E-11	1.14E-09	1.71E-10	6.32E-10	5.56E-11	8.58E-10	1.93E-11	1.11E-10	1.32E-11	1.43E-10	1.76E-11	5.80E-11	3.99E-12	7.95E-11
3504	469485.6	3819397.4	2.10E-10	8.82E-10	7.94E-11	1.17E-09	1.75E-10	6.48E-10	5.70E-11	8.80E-10	1.98E-11	1.13E-10	1.35E-11	1.47E-10	1.80E-11	5.94E-11	4.10E-12	8.15E-11
3505	469485.4	3819407.04	2.15E-10	9.04E-10	8.14E-11	1.20E-09	1.79E-10	6.65E-10	5.85E-11	9.02E-10	2.03E-11	1.16E-10	1.39E-11	1.51E-10	1.85E-11	6.10E-11	4.20E-12	8.36E-11
3506	469485.21	3819416.69	2.21E-10	9.28E-10	8.36E-11	1.23E-09	1.84E-10	6.82E-10	6.00E-11	9.26E-10	2.09E-11	1.20E-10	1.43E-11	1.55E-10	1.90E-11	6.26E-11	4.31E-12	8.59E-11
3507	469485.02	3819426.34	2.27E-10	9.54E-10	8.59E-11	1.27E-09	1.89E-10	7.01E-10	6.16E-11	9.52E-10	2.14E-11	1.23E-10	1.46E-11	1.59E-10	1.95E-11	6.43E-11	4.43E-12	8.82E-11
3508	469484.82	3819435.99	2.33E-10	9.80E-10	8.83E-11	1.30E-09	1.94E-10	7.20E-10	6.34E-11	9.78E-10	2.20E-11	1.26E-10	1.51E-11	1.63E-10	2.00E-11	6.61E-11	4.55E-12	9.06E-11
3509	469502.23	3819101.05	1.45E-10	6.07E-10	5.47E-11	8.07E-10	1.20E-10	4.46E-10	3.93E-11	6.06E-10	1.37E-11	7.82E-11	9.33E-12	1.01E-10	1.24E-11	4.09E-11	2.82E-12	5.62E-11
3510	469506.03	3819092.35	1.47E-10	6.18E-10	5.57E-11	8.21E-10	1.23E-10	4.54E-10	4.00E-11	6.17E-10	1.39E-11	7.96E-11	9.50E-12	1.03E-10	1.26E-11	4.17E-11	2.87E-12	5.72E-11
3511	469509.83	3819083.64	1.53E-10	6.41E-10	5.77E-11	8.51E-10	1.27E-10	4.71E-10	4.14E-11	6.40E-10	1.44E-11	8.25E-11	9.85E-12	1.07E-10	1.31E-11	4.32E-11	2.98E-12	5.93E-11
3512	469513.62	3819074.94	1.53E-10	6.43E-10	5.79E-11	8.54E-10	1.27E-10	4.72E-10	4.15E-11	6.41E-10	1.45E-11	8.27E-11	9.87E-12	1.07E-10	1.31E-11	4.33E-11	2.99E-12	5.94E-11
3513	469517.42	3819066.23	1.56E-10	6.55E-10	5.90E-11	8.70E-10	1.30E-10	4.81E-10	4.23E-11	6.53E-10	1.47E-11	8.43E-11	1.01E-11	1.09E-10	1.34E-11	4.41E-11	3.04E-12	6.06E-11
3514	469521.21	3819057.53	1.59E-10	6.68E-10	6.01E-11	8.87E-10	1.32E-10	4.91E-10	4.32E-11	6.66E-10	1.50E-11	8.60E-11	1.03E-11	1.11E-10	1.36E-11	4.50E-11	3.10E-12	6.18E-11
3515	469525.01	3819048.82	1.62E-10	6.82E-10	6.14E-11	9.06E-10	1.35E-10	5.01E-10	4.41E-11	6.80E-10	1.53E-11	8.78E-11	1.05E-11	1.14E-10	1.39E-11	4.60E-11	3.17E-12	6.31E-11
3516	469528.81	3819040.12	1.66E-10	6.96E-10	6.27E-11	9.25E-10	1.38E-10	5.12E-10	4.50E-11	6.95E-10	1.57E-11	8.96E-11	1.07E-11	1.16E-10	1.42E-11	4.69E-11	3.24E-12	6.44E-11
3517	469532.6	3819031.41	1.69E-10	7.11E-10	6.40E-11	9.44E-10	1.41E-10	5.22E-10	4.60E-11	7.09E-10	1.60E-11	9.15E-11	1.09E-11	1.18E-10	1.45E-11	4.79E-11	3.30E-12	6.58E-11
3518	469536.4	3819022.71	1.73E-10	7.26E-10	6.54E-11	9.64E-10	1.44E-10	5.33E-10	4.69E-11	7.24E-10	1.63E-11	9.34E-11	1.11E-11	1.21E-10	1.48E-11	4.89E-11	3.37E-12	6.71E-11
3519	469540.2	3819014	1.76E-10	7.41E-10	6.67E-11	9.84E-10	1.47E-10	5.44E-10	4.79E-11	7.39E-10	1.67E-11	9.54E-11	1.14E-11	1.23E-10	1.51E-11	4.99E-11	3.44E-12	6.85E-11
3520	469543.99	3819005.3	1.80E-10	7.56E-10	6.81E-11	1.00E-09	1.50E-10	5.55E-10	4.89E-11	7.54E-10	1.70E-11	9.73E-11	1.16E-11	1.26E-10	1.55E-11	5.10E-11	3.51E-12	6.99E-11
3521	469547.79	3818996.59	1.84E-10	7.72E-10	6.95E-11	1.02E-09	1.53E-10	5.67E-10	4.99E-11	7.70E-10	1.73E-11	9.93E-11	1.19E-11	1.29E-10	1.58E-11	5.20E-11	3.58E-12	7.14E-11
3522	469551.59	3818987.89	1.88E-10	7.88E-10	7.09E-11	1.05E-09	1.56E-10	5.79E-10	5.09E-11	7.86E-10	1.77E-11	1.01E-10	1.21E-11	1.31E-10	1.61E-11	5.31E-11	3.66E-12	7.29E-11
3523	469555.38	3818979.18	1.92E-10	8.04E-10	7.24E-11	1.07E-09	1.60E-10	5.91E-10	5.20E-11	8.03E-10	1.81E-11	1.04E-10	1.24E-11	1.34E-10	1.64E-11	5.42E-11	3.74E-12	7.44E-11
3524	469559.18	3818970.48	1.95E-10	8.21E-10	7.39E-11	1.09E-09	1.63E-10	6.03E-10	5.31E-11	8.19E-10	1.85E-11	1.06E-10	1.26E-11	1.37E-10	1.68E-11	5.53E-11	3.81E-12	7.59E-11
3525	469562.98	3818961.77	1.99E-10	8.37E-10	7.54E-11	1.11E-09	1.66E-10	6.15E-10	5.41E-11	8.35E-10	1.88E-11	1.08E-10	1.29E-11	1.39E-10	1.71E-11	5.64E-11	3.89E-12	7.74E-11
3526	469566.77	3818953.07	2.03E-10	8.53E-10	7.68E-11	1.13E-09	1.69E-10	6.27E-10	5.52E-11	8.51E-10	1.92E-11	1.10E-10	1.31E-11	1.42E-10	1.74E-11	5.75E-11	3.96E-12	7.89E-11
3527	469570.57	3818944.36	2.07E-10	8.68E-10	7.82E-11	1.15E-09	1.72E-10	6.38E-10	5.61E-11	8.66E-10	1.95E-11	1.12E-10	1.33E-11	1.45E-10	1.77E-11	5.85E-11	4.03E-12	8.03E-11
3528	469574.36	3818935.66	2.10E-10	8.82E-10	7.95E-11	1.17E-09	1.75E-10	6.48E-10	5.70E-11	8.81E-10	1.98E-11	1.14E-10	1.36E-11	1.47E-10	1.80E-11	5.95E-11	4.10E-12	8.16E-11
3529	469578.16	3818926.95	2.13E-10	8.97E-10	8.07E-11	1.19E-09	1.78E-10	6.59E-10	5.80E-11	8.95E-10	2.02E-11	1.15E-10	1.38E-11	1.49E-10	1.83E-11	6.04E-11	4.17E-12	8.29E-11
3530	469646.5	3818770.26	2.56E-10	1.07E-09	9.67E-11	1.43E-09	2.13E-10	7.89E-10	6.94E-11	1.07E-09	2.41E-11	1.38E-10	1.65E-11	1.79E-10	2.20E-11	7.24E-11	4.99E-12	9.93E-11
3531	469659.12	3818758.06	2.63E-10	1.10E-09	9.93E-11	1.46E-09	2.19E-10	8.10E-10	7.13E-11	1.10E-09	2.48E-11	1.42E-10	1.69E-11	1.84E-10	2.25E-11	7.43E-11	5.12E-12	1.02E-10
3532	469667.95	3818754.56	2.69E-10	1.13E-09	1.02E-10	1.50E-09	2.24E-10	8.29E-10	7.29E-11	1.13E-09	2.54E-11	1.45E-10	1.73E-11	1.88E-10	2.31E-11	7.60E-11	5.24E-12	1.04E-10
3533	469676.78	3818751.06	2.75E-10	1.15E-09	1.04E-10	1.53E-09	2.29E-10	8.47E-10	7.45E-11	1.15E-09	2.59E-11	1.48E-10	1.77E-11	1.92E-10	2.36E-11	7.77E-11	5.36E-12	1.07E-10
3534	469712.1	3818737.07	2.99E-10	1.26E-09	1.13E-10	1.67E-09	2.49E-10	9.23E-10	8.12E-11	1.25E-09	2.83E-11	1.62E-10	1.93E-11	2.09E-10	2.57E-11	8.47E-11	5.84E-12	1.16E-10
3535	469720.93	3818733.58	3.05E-10	1.28E-09	1.15E-10	1.70E-09	2.54E-10	9.42E-10	8.28E-11	1.28E-09	2.88E-11	1.65E-10	1.97E-11	2.13E-10	2.62E-11	8.64E-11	5.95E-12	1.19E-10
3536	469729.76	3818730.08	3.11E-10	1.31E-09	1.18E-10	1.73E-09	2.59E-10	9.59E-10	8.44E-11	1.30E-09	2.94E-11	1.68E-10	2.01E-11	2.17E-10	2.67E-11	8.80E-11	6.07E-12	1.21E-10
3537	469738.59	3818726.58	3.17E-10	1.33E-09	1.20E-10	1.77E-09	2.64E-10	9.77E-10	8.59E-11	1.33E-09	2.99E-11	1.71E-10	2.04E-11	2.21E-10	2.72E-11	8.96E-11	6.18E-12	1.23E-10
3538	469747.42	3818723.08	3.22E-10	1.35E-09	1.22E-10	1.80E-09	2.68E-10	9.94E-10	8.75E-11	1.35E-09	3.04E-11	1.74E-10	2.08E-11	2.25E-10	2.77E-11	9.12E-11	6.29E-12	1.25E-10
3539	469756.25	3818719.59	3.28E-10	1.38E-09	1.24E-10	1.83E-09	2.73E-10	1.01E-09	8.90E-11	1.37E-09	3.09E-11	1.77E-10	2.11E-11	2.29E-10	2.81E-11	9.28E-11	6.39E-12	1.27E-10
3540	469765.08	3818716.09	3.33E-10	1.40E-09	1.26E-10	1.86E-09	2.77E-10	1.03E-09	9.04E-11	1.39E-09	3.14E-11	1.80E-10	2.15E-11	2.33E-10	2.86E-11	9.42E-11	6.49E-12	1.29E-10
3541	469773.91	3818712.59	3.38E-10	1.42E-09	1.28E-10	1.88E-09	2.81E-10	1.04E-09	9.17E-11	1.42E-09	3.19E-11	1.83E-10	2.18E-11	2.36E-10	2.90E-11	9.56E-11	6.59E-12	1.31E-10
3542	469782.74	3818709.1	3.43E-10	1.44E-09	1.30E-10	1.91E-09	2.86E-10	1.06E-09	9.31E-11	1.44E-09	3.24E-11	1.85E-10	2.21E-11	2.40E-10	2.94E-11	9.71E-11	6.69E-12	1.33E-10
3543	469791.57	3818705.6	3.48E-10	1.46E-09	1.32E-10	1.94E-09	2.90E-10	1.07E-09	9.45E-11	1.46E-09	3.29E-11	1.88E-10	2.25E-11	2.44E-10	2.99E-11	9.86E-11	6.80E-12	1.35E-10
3544	469800.4	3818702.1	3.53E-10	1.48E-09	1.34E-10	1.97E-09	2.94E-10	1.09E-09	9.59E-11	1.48E-09	3.34E-11	1.91E-10	2.28E-11	2.47E-10	3.03E-11	1.00E-10	6.90E-12	1.37E-10
3545	469809.23	3818698.6	3.59E-10	1.51E-09	1.36E-10	2.00E-09	2.99E-10	1.11E-09	9.73E-11	1.50E-09	3.39E-11	1.94E-10	2.31E-11	2.51E-10	3.08E-11	1.01E-10	7.00E-12	1.39E-10
3546	469818.06	3818695.11	3.63E-10	1.52E-09	1.37E-10	2.02E-09	3.02E-10	1.12E-09	9.85E-11	1.52E-09	3.43E-11	1.96E-10	2.34E-11	2.54E-10	3.12E-11	1.03E-10	7.08E-12	1.41E-10

3547	469826.89	3818691.61	3.67E-10	1.54E-09	1.39E-10	2.05E-09	3.06E-10	1.13E-09	9.97E-11	1.54E-09	3.47E-11	1.99E-10	2.37E-11	2.57E-10	3.15E-11	1.04E-10	7.17E-12	1.43E-10
3548	469835.72	3818688.11	3.72E-10	1.56E-09	1.41E-10	2.07E-09	3.10E-10	1.15E-09	1.01E-10	1.56E-09	3.51E-11	2.01E-10	2.40E-11	2.60E-10	3.19E-11	1.05E-10	7.25E-12	1.44E-10
3549	469844.55	3818684.62	3.76E-10	1.58E-09	1.42E-10	2.10E-09	3.13E-10	1.16E-09	1.02E-10	1.57E-09	3.55E-11	2.03E-10	2.42E-11	2.63E-10	3.23E-11	1.06E-10	7.33E-12	1.46E-10
3550	469853.38	3818681.12	3.80E-10	1.59E-09	1.44E-10	2.12E-09	3.16E-10	1.17E-09	1.03E-10	1.59E-09	3.59E-11	2.05E-10	2.45E-11	2.66E-10	3.26E-11	1.07E-10	7.41E-12	1.48E-10
3551	469862.21	3818677.62	3.84E-10	1.61E-09	1.45E-10	2.14E-09	3.20E-10	1.18E-09	1.04E-10	1.61E-09	3.62E-11	2.07E-10	2.47E-11	2.68E-10	3.29E-11	1.09E-10	7.49E-12	1.49E-10
3552	469871.04	3818674.12	3.88E-10	1.63E-09	1.47E-10	2.16E-09	3.23E-10	1.20E-09	1.05E-10	1.62E-09	3.66E-11	2.09E-10	2.50E-11	2.71E-10	3.33E-11	1.10E-10	7.56E-12	1.51E-10
3553	469879.87	3818670.63	3.91E-10	1.64E-09	1.48E-10	2.18E-09	3.26E-10	1.21E-09	1.06E-10	1.64E-09	3.70E-11	2.12E-10	2.52E-11	2.74E-10	3.36E-11	1.11E-10	7.64E-12	1.52E-10
3554	469888.69	3818667.13	3.95E-10	1.66E-09	1.49E-10	2.20E-09	3.29E-10	1.22E-09	1.07E-10	1.66E-09	3.73E-11	2.14E-10	2.55E-11	2.76E-10	3.39E-11	1.12E-10	7.71E-12	1.53E-10
3555	469897.52	3818663.63	3.98E-10	1.67E-09	1.51E-10	2.22E-09	3.32E-10	1.23E-09	1.08E-10	1.67E-09	3.76E-11	2.15E-10	2.57E-11	2.79E-10	3.42E-11	1.13E-10	7.77E-12	1.55E-10
3556	469906.35	3818660.14	4.02E-10	1.69E-09	1.52E-10	2.24E-09	3.35E-10	1.24E-09	1.09E-10	1.68E-09	3.80E-11	2.17E-10	2.59E-11	2.81E-10	3.45E-11	1.14E-10	7.84E-12	1.56E-10
3557	469915.18	3818656.64	4.05E-10	1.70E-09	1.53E-10	2.26E-09	3.38E-10	1.25E-09	1.10E-10	1.70E-09	3.83E-11	2.19E-10	2.62E-11	2.84E-10	3.48E-11	1.15E-10	7.91E-12	1.57E-10
3558	469950.5	3818642.65	4.18E-10	1.76E-09	1.58E-10	2.33E-09	3.48E-10	1.29E-09	1.14E-10	1.75E-09	3.95E-11	2.26E-10	2.70E-11	2.93E-10	3.59E-11	1.18E-10	8.16E-12	1.62E-10
3559	469959.33	3818639.15	4.21E-10	1.77E-09	1.59E-10	2.35E-09	3.51E-10	1.30E-09	1.14E-10	1.76E-09	3.98E-11	2.28E-10	2.72E-11	2.95E-10	3.61E-11	1.19E-10	8.21E-12	1.64E-10
3560	469968.16	3818635.66	4.24E-10	1.78E-09	1.60E-10	2.36E-09	3.53E-10	1.31E-09	1.15E-10	1.78E-09	4.00E-11	2.29E-10	2.73E-11	2.96E-10	3.64E-11	1.20E-10	8.27E-12	1.65E-10
3561	469976.99	3818632.16	4.26E-10	1.79E-09	1.61E-10	2.38E-09	3.55E-10	1.32E-09	1.16E-10	1.79E-09	4.03E-11	2.30E-10	2.75E-11	2.98E-10	3.66E-11	1.21E-10	8.32E-12	1.66E-10
3562	469985.82	3818628.66	4.29E-10	1.80E-09	1.62E-10	2.39E-09	3.57E-10	1.32E-09	1.16E-10	1.80E-09	4.05E-11	2.32E-10	2.77E-11	3.00E-10	3.68E-11	1.21E-10	8.37E-12	1.67E-10
3563	469994.65	3818625.17	4.31E-10	1.81E-09	1.63E-10	2.41E-09	3.59E-10	1.33E-09	1.17E-10	1.81E-09	4.07E-11	2.33E-10	2.78E-11	3.02E-10	3.70E-11	1.22E-10	8.42E-12	1.68E-10
3564	470003.48	3818621.67	4.34E-10	1.82E-09	1.64E-10	2.42E-09	3.61E-10	1.34E-09	1.18E-10	1.82E-09	4.10E-11	2.35E-10	2.80E-11	3.04E-10	3.73E-11	1.23E-10	8.47E-12	1.69E-10
3565	470012.31	3818618.17	4.36E-10	1.83E-09	1.65E-10	2.43E-09	3.63E-10	1.35E-09	1.18E-10	1.83E-09	4.12E-11	2.36E-10	2.81E-11	3.05E-10	3.75E-11	1.23E-10	8.51E-12	1.69E-10
3566	470021.14	3818614.67	4.39E-10	1.84E-09	1.66E-10	2.45E-09	3.65E-10	1.35E-09	1.19E-10	1.84E-09	4.14E-11	2.37E-10	2.83E-11	3.07E-10	3.77E-11	1.24E-10	8.56E-12	1.70E-10
3567	470029.97	3818611.18	4.41E-10	1.85E-09	1.67E-10	2.46E-09	3.67E-10	1.36E-09	1.20E-10	1.85E-09	4.16E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.25E-10	8.60E-12	1.71E-10
3568	470038.8	3818607.68	4.43E-10	1.86E-09	1.67E-10	2.47E-09	3.69E-10	1.37E-09	1.20E-10	1.86E-09	4.18E-11	2.39E-10	2.86E-11	3.10E-10	3.80E-11	1.25E-10	8.64E-12	1.72E-10
3569	470047.63	3818604.18	4.45E-10	1.87E-09	1.68E-10	2.48E-09	3.70E-10	1.37E-09	1.21E-10	1.86E-09	4.20E-11	2.40E-10	2.87E-11	3.11E-10	3.82E-11	1.26E-10	8.67E-12	1.73E-10
3570	470056.46	3818600.69	4.46E-10	1.87E-09	1.69E-10	2.49E-09	3.72E-10	1.38E-09	1.21E-10	1.87E-09	4.21E-11	2.41E-10	2.88E-11	3.12E-10	3.83E-11	1.26E-10	8.71E-12	1.73E-10
3571	470065.29	3818597.19	4.47E-10	1.88E-09	1.69E-10	2.50E-09	3.73E-10	1.38E-09	1.21E-10	1.88E-09	4.23E-11	2.42E-10	2.89E-11	3.13E-10	3.84E-11	1.27E-10	8.73E-12	1.74E-10
3572	470074.12	3818593.69	4.48E-10	1.88E-09	1.70E-10	2.50E-09	3.73E-10	1.38E-09	1.22E-10	1.88E-09	4.23E-11	2.42E-10	2.89E-11	3.14E-10	3.85E-11	1.27E-10	8.75E-12	1.74E-10
3573	470082.95	3818590.19	4.49E-10	1.89E-09	1.70E-10	2.50E-09	3.74E-10	1.39E-09	1.22E-10	1.88E-09	4.24E-11	2.43E-10	2.90E-11	3.14E-10	3.85E-11	1.27E-10	8.76E-12	1.74E-10
3574	470091.78	3818586.7	4.49E-10	1.89E-09	1.70E-10	2.51E-09	3.74E-10	1.39E-09	1.22E-10	1.88E-09	4.24E-11	2.43E-10	2.90E-11	3.14E-10	3.86E-11	1.27E-10	8.77E-12	1.74E-10
3575	470100.61	3818583.2	4.49E-10	1.88E-09	1.70E-10	2.50E-09	3.74E-10	1.39E-09	1.22E-10	1.88E-09	4.24E-11	2.43E-10	2.90E-11	3.14E-10	3.85E-11	1.27E-10	8.76E-12	1.74E-10
3576	470109.44	3818579.7	4.48E-10	1.88E-09	1.69E-10	2.50E-09	3.73E-10	1.38E-09	1.22E-10	1.88E-09	4.23E-11	2.42E-10	2.89E-11	3.13E-10	3.84E-11	1.27E-10	8.74E-12	1.74E-10
3577	469448.7	3819242.22	1.35E-10	5.69E-10	5.12E-11	7.55E-10	1.13E-10	4.18E-10	3.68E-11	5.67E-10	1.28E-11	7.32E-11	8.73E-12	9.47E-11	1.16E-11	3.83E-11	2.64E-12	5.26E-11
3578	469448.5	3819251.87	1.37E-10	5.76E-10	5.19E-11	7.65E-10	1.14E-10	4.23E-10	3.72E-11	5.75E-10	1.30E-11	7.42E-11	8.85E-12	9.60E-11	1.18E-11	3.88E-11	2.68E-12	5.33E-11
3579	469448.31	3819261.52	1.39E-10	5.84E-10	5.26E-11	7.76E-10	1.16E-10	4.29E-10	3.78E-11	5.83E-10	1.31E-11	7.52E-11	8.97E-12	9.73E-11	1.19E-11	3.94E-11	2.71E-12	5.40E-11
3580	469448.12	3819271.17	1.41E-10	5.93E-10	5.34E-11	7.88E-10	1.18E-10	4.36E-10	3.83E-11	5.92E-10	1.33E-11	7.63E-11	9.11E-12	9.88E-11	1.21E-11	4.00E-11	2.76E-12	5.49E-11
3581	469447.92	3819280.82	1.43E-10	6.02E-10	5.43E-11	8.00E-10	1.19E-10	4.43E-10	3.89E-11	6.01E-10	1.35E-11	7.76E-11	9.25E-12	1.00E-10	1.23E-11	4.06E-11	2.80E-12	5.57E-11
3582	469447.73	3819290.46	1.46E-10	6.13E-10	5.52E-11	8.14E-10	1.22E-10	4.51E-10	3.96E-11	6.12E-10	1.38E-11	7.89E-11	9.42E-12	1.02E-10	1.25E-11	4.13E-11	2.85E-12	5.67E-11
3583	469447.54	3819300.11	1.49E-10	6.25E-10	5.63E-11	8.30E-10	1.24E-10	4.59E-10	4.04E-11	6.23E-10	1.40E-11	8.04E-11	9.59E-12	1.04E-10	1.28E-11	4.21E-11	2.90E-12	5.78E-11
3584	469447.34	3819309.76	1.52E-10	6.37E-10	5.74E-11	8.46E-10	1.26E-10	4.68E-10	4.12E-11	6.36E-10	1.43E-11	8.20E-11	9.79E-12	1.06E-10	1.30E-11	4.29E-11	2.96E-12	5.89E-11
3585	469447.15	3819319.41	1.55E-10	6.50E-10	5.85E-11	8.63E-10	1.29E-10	4.78E-10	4.20E-11	6.49E-10	1.46E-11	8.37E-11	9.98E-12	1.08E-10	1.33E-11	4.38E-11	3.02E-12	6.01E-11
3586	469446.96	3819329.06	1.58E-10	6.63E-10	5.97E-11	8.80E-10	1.31E-10	4.87E-10	4.28E-11	6.61E-10	1.49E-11	8.53E-11	1.02E-11	1.10E-10	1.35E-11	4.47E-11	3.08E-12	6.13E-11
3587	469446.76	3819338.71	1.61E-10	6.76E-10	6.09E-11	8.98E-10	1.34E-10	4.97E-10	4.37E-11	6.75E-10	1.52E-11	8.70E-11	1.04E-11	1.13E-10	1.38E-11	4.56E-11	3.14E-12	6.25E-11
3588	469446.57	3819348.35	1.64E-10	6.90E-10	6.22E-11	9.17E-10	1.37E-10	5.07E-10	4.46E-11	6.89E-10	1.55E-11	8.88E-11	1.06E-11	1.15E-10	1.41E-11	4.65E-11	3.21E-12	6.38E-11
3589	469446.38	3819358	1.68E-10	7.05E-10	6.35E-11	9.36E-10	1.40E-10	5.18E-10	4.56E-11	7.03E-10	1.59E-11	9.08E-11	1.08E-11	1.17E-10	1.44E-11	4.75E-11	3.28E-12	6.52E-11
3590	469446.18	3819367.65	1.72E-10	7.21E-10	6.49E-11	9.57E-10	1.43E-10	5.30E-10	4.66E-11	7.19E-10	1.62E-11	9.28E-11	1.11E-11	1.20E-10	1.47E-11	4.86E-11	3.35E-12	6.67E-11
3591	469445.99	3819377.3	1.76E-10	7.37E-10	6.64E-11	9.79E-10	1.46E-10	5.42E-10	4.76E-11	7.35E-10	1.66E-11	9.49E-11	1.13E-11	1.23E-10	1.51E-11	4.97E-11	3.42E-12	6.82E-11
3592	469445.8	3819386.95	1.80E-10	7.54E-10	6.79E-11	1.00E-09	1.50E-10	5.54E-10	4.87E-11	7.52E-10	1.70E-11	9.71E-11	1.16E-11	1.26E-10	1.54E-11	5.08E-11	3.50E-12	6.97E-11
3593	469445.6	3819396.59	1.84E-10	7.72E-10	6.95E-11	1.03E-09	1.53E-10	5.67E-10	4.99E-11	7.70E-10	1.74E-11	9.94E-11	1.19E-11	1.29E-10	1.58E-11	5.20E-11	3.59E-12	7.14E-11
3594	469445.41	3819406.24	1.88E-10	7.91E-10	7.12E-11	1.05E-09	1.57E-10	5.81E-10	5.11E-11	7.89E-10	1.78E-11	1.02E-10	1.21E-11	1.32E-10	1.62E-11	5.33E-11	3.67E-12	7.31E-11
3595	469445.22	3819415.89	1.93E-10	8.10E-10	7.29E-11	1.08E-09	1.61E-10	5.95E-10	5.24E-11	8.08E-10	1.82E-11	1.04E-10	1.24E-11	1.35E-10	1.66E-11	5.46E-11	3.76E-12	7.49E-11
3596	469445.03	3819425.54	1.98E-10	8.30E-10	7.48E-11	1.10E-09	1.65E-10	6.10E-10	5.37E-11	8.28E-10	1.87E-11	1.07E-10	1.28E-11	1.38E-10	1.70E-11	5.60E-11	3.86E-12	7.68E-11

3597	469444.83	3819435.19	2.03E-10	8.52E-10	7.67E-11	1.13E-09	1.69E-10	6.26E-10	5.51E-11	8.50E-10	1.92E-11	1.10E-10	1.31E-11	1.42E-10	1.74E-11	5.74E-11	3.96E-12	7.88E-11
3598	469454.82	3819117.27	1.22E-10	5.14E-10	4.63E-11	6.82E-10	1.02E-10	3.78E-10	3.32E-11	5.13E-10	1.16E-11	6.61E-11	7.89E-12	8.56E-11	1.05E-11	3.46E-11	2.39E-12	4.75E-11
3599	469458.63	3819108.53	1.24E-10	5.21E-10	4.69E-11	6.91E-10	1.03E-10	3.83E-10	3.36E-11	5.19E-10	1.17E-11	6.70E-11	8.00E-12	8.67E-11	1.06E-11	3.51E-11	2.42E-12	4.81E-11
3600	469462.44	3819099.79	1.26E-10	5.28E-10	4.76E-11	7.02E-10	1.05E-10	3.88E-10	3.42E-11	5.27E-10	1.19E-11	6.80E-11	8.12E-12	8.80E-11	1.08E-11	3.56E-11	2.46E-12	4.89E-11
3601	469466.25	3819091.05	1.28E-10	5.37E-10	4.83E-11	7.13E-10	1.06E-10	3.94E-10	3.47E-11	5.36E-10	1.21E-11	6.91E-11	8.24E-12	8.94E-11	1.10E-11	3.62E-11	2.49E-12	4.96E-11
3602	469470.06	3819082.32	1.30E-10	5.46E-10	4.91E-11	7.25E-10	1.08E-10	4.01E-10	3.53E-11	5.44E-10	1.23E-11	7.02E-11	8.38E-12	9.09E-11	1.12E-11	3.68E-11	2.54E-12	5.05E-11
3603	469473.87	3819073.58	1.32E-10	5.55E-10	5.00E-11	7.37E-10	1.10E-10	4.08E-10	3.59E-11	5.54E-10	1.25E-11	7.14E-11	8.52E-12	9.24E-11	1.13E-11	3.74E-11	2.58E-12	5.13E-11
3604	469477.68	3819064.84	1.35E-10	5.66E-10	5.10E-11	7.52E-10	1.12E-10	4.16E-10	3.66E-11	5.65E-10	1.27E-11	7.29E-11	8.69E-12	9.43E-11	1.16E-11	3.81E-11	2.63E-12	5.23E-11
3605	469500.55	3819012.41	1.53E-10	6.41E-10	5.77E-11	8.51E-10	1.27E-10	4.71E-10	4.14E-11	6.39E-10	1.44E-11	8.25E-11	9.84E-12	1.07E-10	1.31E-11	4.32E-11	2.98E-12	5.93E-11
3606	469504.36	3819003.67	1.56E-10	6.54E-10	5.89E-11	8.68E-10	1.30E-10	4.80E-10	4.23E-11	6.52E-10	1.47E-11	8.41E-11	1.00E-11	1.09E-10	1.34E-11	4.41E-11	3.04E-12	6.05E-11
3607	469508.17	3818994.93	1.59E-10	6.67E-10	6.00E-11	8.85E-10	1.32E-10	4.90E-10	4.31E-11	6.65E-10	1.50E-11	8.58E-11	1.02E-11	1.11E-10	1.36E-11	4.49E-11	3.10E-12	6.17E-11
3608	469511.98	3818986.2	1.62E-10	6.80E-10	6.12E-11	9.03E-10	1.35E-10	5.00E-10	4.40E-11	6.78E-10	1.53E-11	8.75E-11	1.04E-11	1.13E-10	1.39E-11	4.58E-11	3.16E-12	6.29E-11
3609	469515.79	3818977.46	1.65E-10	6.95E-10	6.26E-11	9.23E-10	1.38E-10	5.10E-10	4.49E-11	6.93E-10	1.56E-11	8.94E-11	1.07E-11	1.16E-10	1.42E-11	4.68E-11	3.23E-12	6.42E-11
3610	469519.6	3818968.72	1.69E-10	7.09E-10	6.38E-11	9.42E-10	1.41E-10	5.21E-10	4.58E-11	7.07E-10	1.59E-11	9.13E-11	1.09E-11	1.18E-10	1.45E-11	4.78E-11	3.29E-12	6.56E-11
3611	469523.41	3818959.98	1.72E-10	7.23E-10	6.51E-11	9.61E-10	1.43E-10	5.31E-10	4.68E-11	7.22E-10	1.63E-11	9.31E-11	1.11E-11	1.20E-10	1.48E-11	4.88E-11	3.36E-12	6.69E-11
3612	469527.23	3818951.24	1.76E-10	7.37E-10	6.64E-11	9.79E-10	1.46E-10	5.42E-10	4.77E-11	7.36E-10	1.66E-11	9.49E-11	1.13E-11	1.23E-10	1.51E-11	4.97E-11	3.43E-12	6.82E-11
3613	469531.04	3818942.51	1.79E-10	7.51E-10	6.77E-11	9.98E-10	1.49E-10	5.52E-10	4.86E-11	7.50E-10	1.69E-11	9.67E-11	1.15E-11	1.25E-10	1.54E-11	5.06E-11	3.49E-12	6.95E-11
3614	469534.85	3818933.77	1.82E-10	7.65E-10	6.89E-11	1.02E-09	1.52E-10	5.62E-10	4.95E-11	7.63E-10	1.72E-11	9.85E-11	1.18E-11	1.27E-10	1.56E-11	5.16E-11	3.55E-12	7.08E-11
3615	469538.66	3818925.03	1.85E-10	7.79E-10	7.01E-11	1.03E-09	1.54E-10	5.72E-10	5.03E-11	7.77E-10	1.75E-11	1.00E-10	1.20E-11	1.30E-10	1.59E-11	5.25E-11	3.62E-12	7.20E-11
3616	469607.25	3818767.74	2.26E-10	9.50E-10	8.55E-11	1.26E-09	1.88E-10	6.98E-10	6.14E-11	9.48E-10	2.14E-11	1.22E-10	1.46E-11	1.58E-10	1.94E-11	6.40E-11	4.41E-12	8.78E-11
3617	469611.06	3818759	2.27E-10	9.54E-10	8.59E-11	1.27E-09	1.89E-10	7.01E-10	6.17E-11	9.52E-10	2.15E-11	1.23E-10	1.47E-11	1.59E-10	1.95E-11	6.43E-11	4.43E-12	8.83E-11
3618	469614.87	3818750.27	2.28E-10	9.58E-10	8.63E-11	1.27E-09	1.90E-10	7.04E-10	6.20E-11	9.56E-10	2.16E-11	1.23E-10	1.47E-11	1.60E-10	1.96E-11	6.46E-11	4.45E-12	8.86E-11
3619	469618.68	3818741.53	2.29E-10	9.63E-10	8.67E-11	1.28E-09	1.91E-10	7.07E-10	6.22E-11	9.61E-10	2.17E-11	1.24E-10	1.48E-11	1.60E-10	1.97E-11	6.49E-11	4.47E-12	8.91E-11
3620	469631.36	3818729.28	2.36E-10	9.90E-10	8.92E-11	1.31E-09	1.96E-10	7.27E-10	6.40E-11	9.88E-10	2.23E-11	1.27E-10	1.52E-11	1.65E-10	2.02E-11	6.67E-11	4.60E-12	9.16E-11
3621	469640.22	3818725.77	2.41E-10	1.01E-09	9.12E-11	1.34E-09	2.01E-10	7.44E-10	6.54E-11	1.01E-09	2.28E-11	1.30E-10	1.55E-11	1.69E-10	2.07E-11	6.82E-11	4.70E-12	9.36E-11
3622	469649.08	3818722.26	2.46E-10	1.03E-09	9.32E-11	1.37E-09	2.05E-10	7.60E-10	6.69E-11	1.03E-09	2.33E-11	1.33E-10	1.59E-11	1.72E-10	2.12E-11	6.97E-11	4.81E-12	9.57E-11
3623	469657.95	3818718.75	2.52E-10	1.06E-09	9.52E-11	1.40E-09	2.10E-10	7.77E-10	6.83E-11	1.05E-09	2.38E-11	1.36E-10	1.62E-11	1.76E-10	2.16E-11	7.12E-11	4.91E-12	9.78E-11
3624	469666.81	3818715.24	2.57E-10	1.08E-09	9.72E-11	1.43E-09	2.14E-10	7.93E-10	6.97E-11	1.08E-09	2.43E-11	1.39E-10	1.66E-11	1.80E-10	2.21E-11	7.27E-11	5.01E-12	9.98E-11
3625	469675.67	3818711.73	2.62E-10	1.10E-09	9.91E-11	1.46E-09	2.18E-10	8.09E-10	7.11E-11	1.10E-09	2.47E-11	1.42E-10	1.69E-11	1.83E-10	2.25E-11	7.42E-11	5.11E-12	1.02E-10
3626	469711.13	3818697.69	2.82E-10	1.18E-09	1.07E-10	1.57E-09	2.35E-10	8.70E-10	7.66E-11	1.18E-09	2.66E-11	1.52E-10	1.82E-11	1.97E-10	2.42E-11	7.98E-11	5.50E-12	1.10E-10
3627	469719.99	3818694.18	2.87E-10	1.20E-09	1.08E-10	1.60E-09	2.39E-10	8.85E-10	7.78E-11	1.20E-09	2.71E-11	1.55E-10	1.85E-11	2.01E-10	2.46E-11	8.11E-11	5.59E-12	1.11E-10
3628	469728.85	3818690.67	2.92E-10	1.22E-09	1.10E-10	1.63E-09	2.43E-10	9.00E-10	7.92E-11	1.22E-09	2.75E-11	1.58E-10	1.88E-11	2.04E-10	2.50E-11	8.25E-11	5.69E-12	1.13E-10
3629	469737.72	3818687.15	2.96E-10	1.24E-09	1.12E-10	1.65E-09	2.47E-10	9.15E-10	8.05E-11	1.24E-09	2.80E-11	1.60E-10	1.91E-11	2.07E-10	2.54E-11	8.39E-11	5.78E-12	1.15E-10
3630	469746.58	3818683.64	3.01E-10	1.26E-09	1.14E-10	1.68E-09	2.51E-10	9.29E-10	8.17E-11	1.26E-09	2.84E-11	1.63E-10	1.94E-11	2.11E-10	2.58E-11	8.52E-11	5.87E-12	1.17E-10
3631	469755.44	3818680.13	3.05E-10	1.28E-09	1.15E-10	1.70E-09	2.54E-10	9.42E-10	8.29E-11	1.28E-09	2.88E-11	1.65E-10	1.97E-11	2.14E-10	2.62E-11	8.64E-11	5.96E-12	1.19E-10
3632	469764.31	3818676.62	3.09E-10	1.30E-09	1.17E-10	1.73E-09	2.58E-10	9.55E-10	8.40E-11	1.30E-09	2.92E-11	1.67E-10	2.00E-11	2.16E-10	2.66E-11	8.76E-11	6.04E-12	1.20E-10
3633	469773.17	3818673.11	3.14E-10	1.32E-09	1.19E-10	1.75E-09	2.61E-10	9.68E-10	8.51E-11	1.31E-09	2.96E-11	1.70E-10	2.02E-11	2.19E-10	2.69E-11	8.88E-11	6.12E-12	1.22E-10
3634	469782.03	3818669.6	3.18E-10	1.33E-09	1.20E-10	1.77E-09	2.65E-10	9.81E-10	8.63E-11	1.33E-09	3.00E-11	1.72E-10	2.05E-11	2.22E-10	2.73E-11	8.99E-11	6.20E-12	1.23E-10
3635	469790.9	3818666.09	3.22E-10	1.35E-09	1.22E-10	1.79E-09	2.68E-10	9.93E-10	8.73E-11	1.35E-09	3.04E-11	1.74E-10	2.08E-11	2.25E-10	2.76E-11	9.11E-11	6.28E-12	1.25E-10
3636	469799.76	3818662.58	3.26E-10	1.37E-09	1.23E-10	1.82E-09	2.71E-10	1.00E-09	8.84E-11	1.36E-09	3.07E-11	1.76E-10	2.10E-11	2.28E-10	2.79E-11	9.22E-11	6.35E-12	1.26E-10
3637	469808.62	3818659.07	3.29E-10	1.38E-09	1.24E-10	1.84E-09	2.74E-10	1.02E-09	8.94E-11	1.38E-09	3.11E-11	1.78E-10	2.12E-11	2.30E-10	2.83E-11	9.32E-11	6.42E-12	1.28E-10
3638	469817.48	3818655.56	3.33E-10	1.40E-09	1.26E-10	1.86E-09	2.77E-10	1.03E-09	9.04E-11	1.40E-09	3.14E-11	1.80E-10	2.15E-11	2.33E-10	2.86E-11	9.43E-11	6.50E-12	1.29E-10
3639	469826.35	3818652.05	3.37E-10	1.42E-09	1.27E-10	1.88E-09	2.81E-10	1.04E-09	9.15E-11	1.41E-09	3.18E-11	1.82E-10	2.17E-11	2.36E-10	2.89E-11	9.54E-11	6.57E-12	1.31E-10
3640	469835.21	3818648.54	3.41E-10	1.43E-09	1.29E-10	1.90E-09	2.84E-10	1.05E-09	9.25E-11	1.43E-09	3.22E-11	1.84E-10	2.20E-11	2.38E-10	2.92E-11	9.64E-11	6.65E-12	1.32E-10
3641	469844.07	3818645.03	3.44E-10	1.44E-09	1.30E-10	1.92E-09	2.87E-10	1.06E-09	9.34E-11	1.44E-09	3.25E-11	1.86E-10	2.22E-11	2.41E-10	2.95E-11	9.74E-11	6.71E-12	1.34E-10
3642	469852.94	3818641.52	3.47E-10	1.46E-09	1.31E-10	1.94E-09	2.89E-10	1.07E-09	9.43E-11	1.46E-09	3.28E-11	1.88E-10	2.24E-11	2.43E-10	2.98E-11	9.83E-11	6.78E-12	1.35E-10
3643	469861.8	3818638.01	3.51E-10	1.47E-09	1.33E-10	1.96E-09	2.92E-10	1.08E-09	9.52E-11	1.47E-09	3.31E-11	1.90E-10	2.26E-11	2.45E-10	3.01E-11	9.93E-11	6.84E-12	1.36E-10
3644	469870.66	3818634.5	3.54E-10	1.49E-09	1.34E-10	1.97E-09	2.95E-10	1.09E-09	9.61E-11	1.48E-09	3.34E-11	1.91E-10	2.28E-11	2.48E-10	3.04E-11	1.00E-10	6.91E-12	1.38E-10
3645	469879.53	3818630.99	3.57E-10	1.50E-09	1.35E-10	1.99E-09	2.97E-10	1.10E-09	9.69E-11	1.50E-09	3.37E-11	1.93E-10	2.30E-11	2.50E-10	3.06E-11	1.01E-10	6.97E-12	1.39E-10
3646	469888.39	3818627.48	3.60E-10	1.51E-09	1.36E-10	2.01E-09	3.00E-10	1.11E-09	9.77E-11	1.51E-09	3.40E-11	1.95E-10	2.32E-11	2.52E-10	3.09E-11	1.02E-10	7.02E-12	1.40E-10

3647	469897.25	3818623.97	3.63E-10	1.52E-09	1.37E-10	2.02E-09	3.02E-10	1.12E-09	9.84E-11	1.52E-09	3.42E-11	1.96E-10	2.34E-11	2.54E-10	3.11E-11	1.03E-10	7.07E-12	1.41E-10
3648	469906.12	3818620.46	3.65E-10	1.53E-09	1.38E-10	2.04E-09	3.04E-10	1.13E-09	9.92E-11	1.53E-09	3.45E-11	1.98E-10	2.36E-11	2.56E-10	3.14E-11	1.03E-10	7.13E-12	1.42E-10
3649	469914.98	3818616.95	3.68E-10	1.55E-09	1.39E-10	2.05E-09	3.07E-10	1.14E-09	1.00E-10	1.54E-09	3.48E-11	1.99E-10	2.38E-11	2.58E-10	3.16E-11	1.04E-10	7.19E-12	1.43E-10
3650	469959.3	3818599.4	3.80E-10	1.59E-09	1.44E-10	2.12E-09	3.16E-10	1.17E-09	1.03E-10	1.59E-09	3.58E-11	2.05E-10	2.45E-11	2.66E-10	3.26E-11	1.07E-10	7.41E-12	1.47E-10
3651	469968.16	3818595.89	3.82E-10	1.60E-09	1.45E-10	2.13E-09	3.18E-10	1.18E-09	1.04E-10	1.60E-09	3.61E-11	2.07E-10	2.46E-11	2.67E-10	3.28E-11	1.08E-10	7.46E-12	1.48E-10
3652	469977.02	3818592.38	3.85E-10	1.62E-09	1.46E-10	2.15E-09	3.21E-10	1.19E-09	1.04E-10	1.61E-09	3.63E-11	2.08E-10	2.48E-11	2.69E-10	3.30E-11	1.09E-10	7.51E-12	1.49E-10
3653	469985.88	3818588.86	3.87E-10	1.63E-09	1.46E-10	2.16E-09	3.23E-10	1.20E-09	1.05E-10	1.62E-09	3.66E-11	2.09E-10	2.50E-11	2.71E-10	3.33E-11	1.10E-10	7.56E-12	1.50E-10
3654	469994.75	3818585.35	3.90E-10	1.64E-09	1.47E-10	2.17E-09	3.25E-10	1.20E-09	1.06E-10	1.63E-09	3.68E-11	2.11E-10	2.51E-11	2.73E-10	3.34E-11	1.10E-10	7.60E-12	1.51E-10
3655	470003.61	3818581.84	3.92E-10	1.65E-09	1.48E-10	2.19E-09	3.26E-10	1.21E-09	1.06E-10	1.64E-09	3.70E-11	2.12E-10	2.53E-11	2.74E-10	3.36E-11	1.11E-10	7.65E-12	1.52E-10
3656	470012.47	3818578.33	3.94E-10	1.66E-09	1.49E-10	2.20E-09	3.28E-10	1.22E-09	1.07E-10	1.65E-09	3.72E-11	2.13E-10	2.54E-11	2.76E-10	3.38E-11	1.12E-10	7.69E-12	1.53E-10
3657	470021.34	3818574.82	3.96E-10	1.67E-09	1.50E-10	2.21E-09	3.30E-10	1.22E-09	1.08E-10	1.66E-09	3.74E-11	2.14E-10	2.56E-11	2.77E-10	3.40E-11	1.12E-10	7.74E-12	1.54E-10
3658	470030.2	3818571.31	3.98E-10	1.67E-09	1.51E-10	2.22E-09	3.32E-10	1.23E-09	1.08E-10	1.67E-09	3.76E-11	2.15E-10	2.57E-11	2.79E-10	3.42E-11	1.13E-10	7.77E-12	1.55E-10
3659	470039.06	3818567.8	4.00E-10	1.68E-09	1.51E-10	2.23E-09	3.33E-10	1.23E-09	1.09E-10	1.68E-09	3.78E-11	2.16E-10	2.58E-11	2.80E-10	3.43E-11	1.13E-10	7.81E-12	1.55E-10
3660	470047.93	3818564.29	4.02E-10	1.69E-09	1.52E-10	2.24E-09	3.34E-10	1.24E-09	1.09E-10	1.68E-09	3.79E-11	2.17E-10	2.59E-11	2.81E-10	3.45E-11	1.14E-10	7.83E-12	1.56E-10
3661	470056.79	3818560.78	4.03E-10	1.69E-09	1.52E-10	2.25E-09	3.35E-10	1.24E-09	1.09E-10	1.69E-09	3.80E-11	2.18E-10	2.60E-11	2.82E-10	3.46E-11	1.14E-10	7.86E-12	1.56E-10
3662	470065.65	3818557.27	4.04E-10	1.70E-09	1.53E-10	2.25E-09	3.36E-10	1.25E-09	1.10E-10	1.69E-09	3.81E-11	2.18E-10	2.60E-11	2.82E-10	3.47E-11	1.14E-10	7.88E-12	1.57E-10
3663	470074.52	3818553.76	4.05E-10	1.70E-09	1.53E-10	2.26E-09	3.37E-10	1.25E-09	1.10E-10	1.70E-09	3.82E-11	2.19E-10	2.61E-11	2.83E-10	3.47E-11	1.15E-10	7.90E-12	1.57E-10
3664	470083.38	3818550.25	4.05E-10	1.70E-09	1.53E-10	2.26E-09	3.37E-10	1.25E-09	1.10E-10	1.70E-09	3.83E-11	2.19E-10	2.61E-11	2.83E-10	3.48E-11	1.15E-10	7.91E-12	1.57E-10
3665	470092.24	3818546.74	4.05E-10	1.70E-09	1.53E-10	2.26E-09	3.37E-10	1.25E-09	1.10E-10	1.70E-09	3.83E-11	2.19E-10	2.61E-11	2.83E-10	3.48E-11	1.15E-10	7.91E-12	1.57E-10
3666	470101.11	3818543.23	4.05E-10	1.70E-09	1.53E-10	2.26E-09	3.37E-10	1.25E-09	1.10E-10	1.70E-09	3.82E-11	2.19E-10	2.61E-11	2.83E-10	3.47E-11	1.15E-10	7.90E-12	1.57E-10
3667	470109.97	3818539.72	4.04E-10	1.70E-09	1.53E-10	2.25E-09	3.36E-10	1.25E-09	1.10E-10	1.69E-09	3.81E-11	2.18E-10	2.60E-11	2.82E-10	3.47E-11	1.14E-10	7.88E-12	1.57E-10
3668	469408.7	3819241.42	1.21E-10	5.08E-10	4.57E-11	6.74E-10	1.01E-10	3.73E-10	3.28E-11	5.06E-10	1.14E-11	6.53E-11	7.79E-12	8.45E-11	1.04E-11	3.42E-11	2.36E-12	4.69E-11
3669	469408.51	3819251.07	1.23E-10	5.15E-10	4.64E-11	6.84E-10	1.02E-10	3.79E-10	3.33E-11	5.14E-10	1.16E-11	6.63E-11	7.91E-12	8.58E-11	1.05E-11	3.47E-11	2.39E-12	4.77E-11
3670	469408.32	3819260.72	1.25E-10	5.23E-10	4.71E-11	6.95E-10	1.04E-10	3.84E-10	3.38E-11	5.22E-10	1.18E-11	6.73E-11	8.03E-12	8.71E-11	1.07E-11	3.52E-11	2.43E-12	4.84E-11
3671	469408.12	3819270.37	1.26E-10	5.31E-10	4.78E-11	7.05E-10	1.05E-10	3.90E-10	3.43E-11	5.30E-10	1.19E-11	6.83E-11	8.15E-12	8.84E-11	1.08E-11	3.58E-11	2.47E-12	4.91E-11
3672	469407.93	3819280.02	1.28E-10	5.39E-10	4.85E-11	7.16E-10	1.07E-10	3.96E-10	3.48E-11	5.38E-10	1.21E-11	6.94E-11	8.28E-12	8.98E-11	1.10E-11	3.63E-11	2.50E-12	4.98E-11
3673	469407.74	3819289.66	1.30E-10	5.48E-10	4.93E-11	7.27E-10	1.09E-10	4.02E-10	3.54E-11	5.46E-10	1.23E-11	7.05E-11	8.41E-12	9.12E-11	1.12E-11	3.69E-11	2.54E-12	5.07E-11
3674	469407.54	3819299.31	1.33E-10	5.57E-10	5.01E-11	7.40E-10	1.10E-10	4.09E-10	3.60E-11	5.56E-10	1.25E-11	7.17E-11	8.55E-12	9.28E-11	1.14E-11	3.75E-11	2.59E-12	5.15E-11
3675	469407.35	3819308.96	1.35E-10	5.66E-10	5.10E-11	7.52E-10	1.12E-10	4.16E-10	3.66E-11	5.65E-10	1.27E-11	7.29E-11	8.70E-12	9.44E-11	1.16E-11	3.82E-11	2.63E-12	5.24E-11
3676	469407.16	3819318.61	1.37E-10	5.77E-10	5.19E-11	7.66E-10	1.14E-10	4.24E-10	3.73E-11	5.75E-10	1.30E-11	7.42E-11	8.86E-12	9.61E-11	1.18E-11	3.89E-11	2.68E-12	5.33E-11
3677	469406.97	3819328.26	1.40E-10	5.88E-10	5.29E-11	7.80E-10	1.17E-10	4.32E-10	3.80E-11	5.86E-10	1.32E-11	7.56E-11	9.03E-12	9.79E-11	1.20E-11	3.96E-11	2.73E-12	5.43E-11
3678	469406.77	3819337.91	1.43E-10	5.99E-10	5.39E-11	7.95E-10	1.19E-10	4.40E-10	3.87E-11	5.98E-10	1.35E-11	7.71E-11	9.20E-12	9.97E-11	1.22E-11	4.04E-11	2.78E-12	5.54E-11
3679	469406.58	3819347.55	1.45E-10	6.11E-10	5.50E-11	8.11E-10	1.21E-10	4.49E-10	3.95E-11	6.09E-10	1.37E-11	7.86E-11	9.38E-12	1.02E-10	1.25E-11	4.12E-11	2.84E-12	5.65E-11
3680	469406.39	3819357.2	1.49E-10	6.24E-10	5.62E-11	8.29E-10	1.24E-10	4.59E-10	4.03E-11	6.23E-10	1.40E-11	8.03E-11	9.59E-12	1.04E-10	1.28E-11	4.21E-11	2.90E-12	5.77E-11
3681	469406.19	3819366.85	1.52E-10	6.38E-10	5.75E-11	8.47E-10	1.27E-10	4.69E-10	4.12E-11	6.37E-10	1.43E-11	8.21E-11	9.80E-12	1.06E-10	1.30E-11	4.30E-11	2.96E-12	5.90E-11
3682	469406	3819376.5	1.55E-10	6.53E-10	5.88E-11	8.67E-10	1.29E-10	4.80E-10	4.22E-11	6.51E-10	1.47E-11	8.40E-11	1.00E-11	1.09E-10	1.33E-11	4.40E-11	3.03E-12	6.04E-11
3683	469405.81	3819386.15	1.59E-10	6.67E-10	6.01E-11	8.86E-10	1.32E-10	4.90E-10	4.31E-11	6.65E-10	1.50E-11	8.59E-11	1.02E-11	1.11E-10	1.36E-11	4.50E-11	3.10E-12	6.17E-11
3684	469405.61	3819395.79	1.62E-10	6.82E-10	6.14E-11	9.05E-10	1.35E-10	5.01E-10	4.41E-11	6.80E-10	1.53E-11	8.77E-11	1.05E-11	1.14E-10	1.39E-11	4.59E-11	3.17E-12	6.30E-11
3685	469405.42	3819405.44	1.66E-10	6.97E-10	6.28E-11	9.26E-10	1.38E-10	5.12E-10	4.51E-11	6.95E-10	1.57E-11	8.97E-11	1.07E-11	1.16E-10	1.42E-11	4.70E-11	3.24E-12	6.45E-11
3686	469405.23	3819415.09	1.70E-10	7.13E-10	6.42E-11	9.47E-10	1.41E-10	5.24E-10	4.61E-11	7.12E-10	1.60E-11	9.18E-11	1.10E-11	1.19E-10	1.46E-11	4.81E-11	3.31E-12	6.60E-11
3687	469405.03	3819424.74	1.74E-10	7.30E-10	6.57E-11	9.69E-10	1.45E-10	5.36E-10	4.72E-11	7.28E-10	1.64E-11	9.39E-11	1.12E-11	1.22E-10	1.49E-11	4.92E-11	3.39E-12	6.75E-11
3688	469404.84	3819434.39	1.78E-10	7.47E-10	6.73E-11	9.93E-10	1.48E-10	5.49E-10	4.83E-11	7.46E-10	1.68E-11	9.62E-11	1.15E-11	1.24E-10	1.53E-11	5.04E-11	3.47E-12	6.91E-11
3689	469375.13	3819114.99	9.63E-11	4.04E-10	3.64E-11	5.37E-10	8.02E-11	2.97E-10	2.61E-11	4.04E-10	9.09E-12	5.21E-11	6.21E-12	6.74E-11	8.27E-12	2.73E-11	1.88E-12	3.74E-11
3690	469378.97	3819106.2	9.73E-11	4.09E-10	3.68E-11	5.43E-10	8.10E-11	3.00E-10	2.64E-11	4.08E-10	9.19E-12	5.26E-11	6.28E-12	6.81E-11	8.35E-12	2.75E-11	1.90E-12	3.78E-11
3691	469382.8	3819097.4	9.85E-11	4.14E-10	3.72E-11	5.49E-10	8.20E-11	3.04E-10	2.67E-11	4.13E-10	9.30E-12	5.32E-11	6.35E-12	6.89E-11	8.45E-12	2.79E-11	1.92E-12	3.83E-11
3692	469386.64	3819088.61	9.98E-11	4.19E-10	3.77E-11	5.57E-10	8.31E-11	3.08E-10	2.71E-11	4.18E-10	9.42E-12	5.39E-11	6.44E-12	6.98E-11	8.57E-12	2.82E-11	1.95E-12	3.88E-11
3693	469390.47	3819079.81	1.01E-10	4.25E-10	3.83E-11	5.65E-10	8.43E-11	3.12E-10	2.75E-11	4.24E-10	9.56E-12	5.47E-11	6.53E-12	7.08E-11	8.69E-12	2.86E-11	1.97E-12	3.93E-11
3694	469394.31	3819071.02	1.03E-10	4.31E-10	3.88E-11	5.72E-10	8.54E-11	3.17E-10	2.78E-11	4.30E-10	9.69E-12	5.55E-11	6.62E-12	7.18E-11	8.81E-12	2.90E-11	2.00E-12	3.98E-11
3695	469398.14	3819062.22	1.04E-10	4.37E-10	3.93E-11	5.80E-10	8.66E-11	3.21E-10	2.82E-11	4.36E-10	9.82E-12	5.62E-11	6.70E-12	7.27E-11	8.92E-12	2.94E-11	2.03E-12	4.04E-11
3696	469401.98	3819053.43	1.06E-10	4.43E-10	3.99E-11	5.88E-10	8.79E-11	3.26E-10	2.86E-11	4.42E-10	9.96E-12	5.70E-11	6.80E-12	7.38E-11	9.06E-12	2.99E-11	2.06E-12	4.10E-11

3697	469405.81	3819044.63	1.07E-10	4.50E-10	4.05E-11	5.98E-10	8.93E-11	3.31E-10	2.91E-11	4.49E-10	1.01E-11	5.79E-11	6.91E-12	7.50E-11	9.20E-12	3.03E-11	2.09E-12	4.16E-11
3698	469409.65	3819035.84	1.09E-10	4.58E-10	4.13E-11	6.09E-10	9.09E-11	3.37E-10	2.96E-11	4.57E-10	1.03E-11	5.90E-11	7.04E-12	7.64E-11	9.37E-12	3.09E-11	2.13E-12	4.24E-11
3699	469413.48	3819027.05	1.11E-10	4.68E-10	4.21E-11	6.21E-10	9.27E-11	3.44E-10	3.02E-11	4.67E-10	1.05E-11	6.02E-11	7.18E-12	7.79E-11	9.56E-12	3.15E-11	2.17E-12	4.32E-11
3700	469417.32	3819018.25	1.14E-10	4.77E-10	4.30E-11	6.34E-10	9.46E-11	3.50E-10	3.08E-11	4.76E-10	1.07E-11	6.14E-11	7.33E-12	7.95E-11	9.75E-12	3.22E-11	2.22E-12	4.41E-11
3701	469421.16	3819009.46	1.16E-10	4.87E-10	4.38E-11	6.46E-10	9.65E-11	3.58E-10	3.15E-11	4.86E-10	1.09E-11	6.26E-11	7.47E-12	8.11E-11	9.95E-12	3.28E-11	2.26E-12	4.50E-11
3702	469424.99	3819000.66	1.18E-10	4.97E-10	4.47E-11	6.60E-10	9.85E-11	3.65E-10	3.21E-11	4.96E-10	1.12E-11	6.40E-11	7.63E-12	8.28E-11	1.02E-11	3.35E-11	2.31E-12	4.60E-11
3703	469428.83	3818991.87	1.21E-10	5.07E-10	4.57E-11	6.74E-10	1.01E-10	3.73E-10	3.28E-11	5.06E-10	1.14E-11	6.53E-11	7.79E-12	8.45E-11	1.04E-11	3.42E-11	2.36E-12	4.69E-11
3704	469432.66	3818983.07	1.23E-10	5.18E-10	4.66E-11	6.88E-10	1.03E-10	3.80E-10	3.35E-11	5.17E-10	1.16E-11	6.66E-11	7.95E-12	8.62E-11	1.06E-11	3.49E-11	2.41E-12	4.79E-11
3705	469436.5	3818974.28	1.26E-10	5.28E-10	4.75E-11	7.01E-10	1.05E-10	3.88E-10	3.41E-11	5.27E-10	1.19E-11	6.80E-11	8.11E-12	8.79E-11	1.08E-11	3.56E-11	2.45E-12	4.88E-11
3706	469440.33	3818965.48	1.28E-10	5.38E-10	4.85E-11	7.15E-10	1.07E-10	3.95E-10	3.48E-11	5.37E-10	1.21E-11	6.93E-11	8.26E-12	8.96E-11	1.10E-11	3.63E-11	2.50E-12	4.98E-11
3707	469444.17	3818956.69	1.31E-10	5.49E-10	4.94E-11	7.29E-10	1.09E-10	4.03E-10	3.55E-11	5.48E-10	1.23E-11	7.06E-11	8.43E-12	9.14E-11	1.12E-11	3.70E-11	2.55E-12	5.08E-11
3708	469448	3818947.89	1.33E-10	5.60E-10	5.05E-11	7.44E-10	1.11E-10	4.12E-10	3.62E-11	5.59E-10	1.26E-11	7.21E-11	8.60E-12	9.33E-11	1.15E-11	3.78E-11	2.60E-12	5.18E-11
3709	469451.84	3818939.1	1.36E-10	5.72E-10	5.15E-11	7.59E-10	1.13E-10	4.20E-10	3.70E-11	5.70E-10	1.29E-11	7.36E-11	8.78E-12	9.52E-11	1.17E-11	3.85E-11	2.66E-12	5.29E-11
3710	469455.67	3818930.31	1.39E-10	5.83E-10	5.25E-11	7.74E-10	1.16E-10	4.28E-10	3.77E-11	5.82E-10	1.31E-11	7.50E-11	8.95E-12	9.71E-11	1.19E-11	3.93E-11	2.71E-12	5.39E-11
3711	469459.51	3818921.51	1.41E-10	5.94E-10	5.35E-11	7.89E-10	1.18E-10	4.37E-10	3.84E-11	5.93E-10	1.34E-11	7.65E-11	9.13E-12	9.90E-11	1.21E-11	4.00E-11	2.76E-12	5.50E-11
3712	469463.35	3818912.72	1.44E-10	6.05E-10	5.45E-11	8.04E-10	1.20E-10	4.45E-10	3.91E-11	6.04E-10	1.36E-11	7.79E-11	9.29E-12	1.01E-10	1.24E-11	4.08E-11	2.81E-12	5.60E-11
3713	469467.18	3818903.92	1.47E-10	6.16E-10	5.55E-11	8.18E-10	1.22E-10	4.53E-10	3.98E-11	6.15E-10	1.39E-11	7.93E-11	9.46E-12	1.03E-10	1.26E-11	4.15E-11	2.86E-12	5.70E-11
3714	469471.02	3818895.13	1.49E-10	6.27E-10	5.64E-11	8.32E-10	1.24E-10	4.61E-10	4.05E-11	6.25E-10	1.41E-11	8.07E-11	9.63E-12	1.04E-10	1.28E-11	4.22E-11	2.91E-12	5.80E-11
3715	469474.85	3818886.33	1.52E-10	6.37E-10	5.74E-11	8.46E-10	1.26E-10	4.68E-10	4.12E-11	6.36E-10	1.43E-11	8.20E-11	9.78E-12	1.06E-10	1.30E-11	4.29E-11	2.96E-12	5.89E-11
3716	469478.69	3818877.54	1.54E-10	6.47E-10	5.83E-11	8.59E-10	1.28E-10	4.75E-10	4.18E-11	6.45E-10	1.45E-11	8.33E-11	9.93E-12	1.08E-10	1.32E-11	4.36E-11	3.01E-12	5.98E-11
3717	469482.52	3818868.74	1.56E-10	6.56E-10	5.91E-11	8.72E-10	1.30E-10	4.82E-10	4.24E-11	6.55E-10	1.48E-11	8.45E-11	1.01E-11	1.09E-10	1.34E-11	4.42E-11	3.05E-12	6.07E-11
3718	469547.72	3818719.24	1.84E-10	7.74E-10	6.97E-11	1.03E-09	1.54E-10	5.69E-10	5.00E-11	7.72E-10	1.74E-11	9.96E-11	1.19E-11	1.29E-10	1.58E-11	5.22E-11	3.60E-12	7.16E-11
3719	469551.56	3818710.44	1.85E-10	7.79E-10	7.01E-11	1.03E-09	1.54E-10	5.72E-10	5.03E-11	7.77E-10	1.75E-11	1.00E-10	1.20E-11	1.30E-10	1.59E-11	5.25E-11	3.62E-12	7.20E-11
3720	469555.39	3818701.65	1.87E-10	7.83E-10	7.05E-11	1.04E-09	1.55E-10	5.76E-10	5.06E-11	7.82E-10	1.76E-11	1.01E-10	1.20E-11	1.30E-10	1.60E-11	5.28E-11	3.64E-12	7.24E-11
3721	469559.23	3818692.85	1.88E-10	7.88E-10	7.09E-11	1.05E-09	1.56E-10	5.79E-10	5.09E-11	7.86E-10	1.77E-11	1.01E-10	1.21E-11	1.31E-10	1.61E-11	5.31E-11	3.66E-12	7.29E-11
3722	469563.07	3818684.06	1.88E-10	7.91E-10	7.13E-11	1.05E-09	1.57E-10	5.82E-10	5.12E-11	7.90E-10	1.78E-11	1.02E-10	1.22E-11	1.32E-10	1.62E-11	5.33E-11	3.68E-12	7.32E-11
3723	469575.82	3818671.73	1.93E-10	8.10E-10	7.30E-11	1.08E-09	1.61E-10	5.96E-10	5.24E-11	8.09E-10	1.82E-11	1.04E-10	1.24E-11	1.35E-10	1.66E-11	5.46E-11	3.77E-12	7.50E-11
3724	469584.74	3818668.2	1.97E-10	8.27E-10	7.45E-11	1.10E-09	1.64E-10	6.08E-10	5.35E-11	8.25E-10	1.86E-11	1.06E-10	1.27E-11	1.38E-10	1.69E-11	5.57E-11	3.84E-12	7.65E-11
3725	469593.66	3818664.66	2.01E-10	8.43E-10	7.59E-11	1.12E-09	1.67E-10	6.20E-10	5.45E-11	8.41E-10	1.90E-11	1.09E-10	1.30E-11	1.40E-10	1.72E-11	5.68E-11	3.92E-12	7.80E-11
3726	469602.58	3818661.13	2.05E-10	8.60E-10	7.75E-11	1.14E-09	1.71E-10	6.32E-10	5.56E-11	8.58E-10	1.93E-11	1.11E-10	1.32E-11	1.43E-10	1.76E-11	5.80E-11	4.00E-12	7.96E-11
3727	469611.5	3818657.6	2.09E-10	8.77E-10	7.90E-11	1.17E-09	1.74E-10	6.45E-10	5.67E-11	8.75E-10	1.97E-11	1.13E-10	1.35E-11	1.46E-10	1.79E-11	5.91E-11	4.08E-12	8.11E-11
3728	469620.42	3818654.07	2.13E-10	8.94E-10	8.05E-11	1.19E-09	1.77E-10	6.57E-10	5.78E-11	8.92E-10	2.01E-11	1.15E-10	1.37E-11	1.49E-10	1.83E-11	6.03E-11	4.15E-12	8.27E-11
3729	469629.34	3818650.53	2.17E-10	9.10E-10	8.20E-11	1.21E-09	1.81E-10	6.69E-10	5.88E-11	9.08E-10	2.05E-11	1.17E-10	1.40E-11	1.52E-10	1.86E-11	6.14E-11	4.23E-12	8.42E-11
3730	469638.26	3818647	2.21E-10	9.27E-10	8.34E-11	1.23E-09	1.84E-10	6.81E-10	5.99E-11	9.25E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.25E-11	4.31E-12	8.57E-11
3731	469647.18	3818643.47	2.24E-10	9.42E-10	8.49E-11	1.25E-09	1.87E-10	6.92E-10	6.09E-11	9.40E-10	2.12E-11	1.21E-10	1.45E-11	1.57E-10	1.93E-11	6.35E-11	4.38E-12	8.71E-11
3732	469656.1	3818639.93	2.28E-10	9.58E-10	8.62E-11	1.27E-09	1.90E-10	7.04E-10	6.19E-11	9.55E-10	2.15E-11	1.23E-10	1.47E-11	1.60E-10	1.96E-11	6.45E-11	4.45E-12	8.86E-11
3733	469665.02	3818636.4	2.32E-10	9.73E-10	8.76E-11	1.29E-09	1.93E-10	7.15E-10	6.29E-11	9.71E-10	2.19E-11	1.25E-10	1.49E-11	1.62E-10	1.99E-11	6.56E-11	4.52E-12	9.00E-11
3734	469673.94	3818632.87	2.35E-10	9.87E-10	8.89E-11	1.31E-09	1.96E-10	7.26E-10	6.38E-11	9.85E-10	2.22E-11	1.27E-10	1.52E-11	1.64E-10	2.02E-11	6.66E-11	4.59E-12	9.13E-11
3735	469709.63	3818618.74	2.49E-10	1.04E-09	9.40E-11	1.39E-09	2.07E-10	7.67E-10	6.75E-11	1.04E-09	2.35E-11	1.34E-10	1.60E-11	1.74E-10	2.13E-11	7.03E-11	4.85E-12	9.65E-11
3736	469718.55	3818615.2	2.52E-10	1.06E-09	9.53E-11	1.40E-09	2.10E-10	7.77E-10	6.84E-11	1.06E-09	2.38E-11	1.36E-10	1.62E-11	1.76E-10	2.16E-11	7.13E-11	4.92E-12	9.78E-11
3737	469727.47	3818611.67	2.55E-10	1.07E-09	9.64E-11	1.42E-09	2.12E-10	7.87E-10	6.92E-11	1.07E-09	2.41E-11	1.38E-10	1.64E-11	1.78E-10	2.19E-11	7.22E-11	4.97E-12	9.90E-11
3738	469780.99	3818590.47	2.73E-10	1.15E-09	1.03E-10	1.52E-09	2.27E-10	8.42E-10	7.40E-11	1.14E-09	2.58E-11	1.47E-10	1.76E-11	1.91E-10	2.34E-11	7.72E-11	5.32E-12	1.06E-10
3739	469789.91	3818586.94	2.75E-10	1.16E-09	1.04E-10	1.54E-09	2.29E-10	8.50E-10	7.48E-11	1.15E-09	2.60E-11	1.49E-10	1.78E-11	1.93E-10	2.36E-11	7.79E-11	5.37E-12	1.07E-10
3740	469798.83	3818583.41	2.78E-10	1.17E-09	1.05E-10	1.55E-09	2.32E-10	8.58E-10	7.55E-11	1.17E-09	2.63E-11	1.50E-10	1.79E-11	1.95E-10	2.39E-11	7.87E-11	5.43E-12	1.08E-10
3741	469807.75	3818579.87	2.81E-10	1.18E-09	1.06E-10	1.57E-09	2.34E-10	8.66E-10	7.62E-11	1.18E-09	2.65E-11	1.52E-10	1.81E-11	1.96E-10	2.41E-11	7.95E-11	5.48E-12	1.09E-10
3742	469816.67	3818576.34	2.83E-10	1.19E-09	1.07E-10	1.58E-09	2.36E-10	8.74E-10	7.69E-11	1.19E-09	2.68E-11	1.53E-10	1.83E-11	1.98E-10	2.43E-11	8.02E-11	5.53E-12	1.10E-10
3743	469825.59	3818572.81	2.86E-10	1.20E-09	1.08E-10	1.59E-09	2.38E-10	8.82E-10	7.76E-11	1.20E-09	2.70E-11	1.54E-10	1.84E-11	2.00E-10	2.45E-11	8.09E-11	5.58E-12	1.11E-10
3744	469834.51	3818569.27	2.88E-10	1.21E-09	1.09E-10	1.61E-09	2.40E-10	8.89E-10	7.82E-11	1.21E-09	2.72E-11	1.56E-10	1.86E-11	2.02E-10	2.47E-11	8.16E-11	5.62E-12	1.12E-10
3745	469843.43	3818565.74	2.90E-10	1.22E-09	1.10E-10	1.62E-09	2.42E-10	8.96E-10	7.88E-11	1.22E-09	2.74E-11	1.57E-10	1.87E-11	2.03E-10	2.49E-11	8.22E-11	5.67E-12	1.13E-10
3746	469852.35	3818562.21	2.93E-10	1.23E-09	1.11E-10	1.63E-09	2.44E-10	9.03E-10	7.94E-11	1.23E-09	2.76E-11	1.58E-10	1.89E-11	2.05E-10	2.51E-11	8.28E-11	5.71E-12	1.14E-10

3747	469861.27	3818558.67	2.95E-10	1.24E-09	1.11E-10	1.64E-09	2.46E-10	9.10E-10	8.00E-11	1.24E-09	2.78E-11	1.59E-10	1.90E-11	2.06E-10	2.53E-11	8.34E-11	5.75E-12	1.14E-10
3748	469870.19	3818555.14	2.97E-10	1.25E-09	1.12E-10	1.66E-09	2.47E-10	9.16E-10	8.06E-11	1.24E-09	2.80E-11	1.60E-10	1.91E-11	2.08E-10	2.55E-11	8.40E-11	5.79E-12	1.15E-10
3749	469879.11	3818551.61	2.99E-10	1.26E-09	1.13E-10	1.67E-09	2.49E-10	9.22E-10	8.11E-11	1.25E-09	2.82E-11	1.62E-10	1.93E-11	2.09E-10	2.57E-11	8.46E-11	5.83E-12	1.16E-10
3750	469888.03	3818548.08	3.01E-10	1.26E-09	1.14E-10	1.68E-09	2.51E-10	9.29E-10	8.17E-11	1.26E-09	2.84E-11	1.63E-10	1.94E-11	2.10E-10	2.58E-11	8.52E-11	5.87E-12	1.17E-10
3751	469896.95	3818544.54	3.03E-10	1.27E-09	1.14E-10	1.69E-09	2.52E-10	9.34E-10	8.22E-11	1.27E-09	2.86E-11	1.64E-10	1.95E-11	2.12E-10	2.60E-11	8.57E-11	5.91E-12	1.18E-10
3752	469905.87	3818541.01	3.04E-10	1.28E-09	1.15E-10	1.70E-09	2.53E-10	9.39E-10	8.26E-11	1.28E-09	2.87E-11	1.65E-10	1.96E-11	2.13E-10	2.61E-11	8.61E-11	5.94E-12	1.18E-10
3753	469914.79	3818537.48	3.06E-10	1.28E-09	1.16E-10	1.71E-09	2.55E-10	9.44E-10	8.30E-11	1.28E-09	2.89E-11	1.65E-10	1.97E-11	2.14E-10	2.63E-11	8.66E-11	5.97E-12	1.19E-10
3754	469959.4	3818519.81	3.14E-10	1.32E-09	1.19E-10	1.75E-09	2.62E-10	9.70E-10	8.53E-11	1.32E-09	2.97E-11	1.70E-10	2.03E-11	2.20E-10	2.70E-11	8.90E-11	6.13E-12	1.22E-10
3755	469968.32	3818516.28	3.16E-10	1.33E-09	1.20E-10	1.76E-09	2.63E-10	9.75E-10	8.58E-11	1.32E-09	2.98E-11	1.71E-10	2.04E-11	2.21E-10	2.71E-11	8.95E-11	6.17E-12	1.23E-10
3756	469977.24	3818512.75	3.18E-10	1.34E-09	1.20E-10	1.77E-09	2.65E-10	9.81E-10	8.63E-11	1.33E-09	3.00E-11	1.72E-10	2.05E-11	2.22E-10	2.73E-11	9.00E-11	6.20E-12	1.23E-10
3757	469986.16	3818509.21	3.20E-10	1.34E-09	1.21E-10	1.79E-09	2.67E-10	9.88E-10	8.69E-11	1.34E-09	3.02E-11	1.73E-10	2.06E-11	2.24E-10	2.75E-11	9.06E-11	6.25E-12	1.24E-10
3758	469995.08	3818505.68	3.22E-10	1.35E-09	1.22E-10	1.80E-09	2.68E-10	9.93E-10	8.74E-11	1.35E-09	3.04E-11	1.74E-10	2.08E-11	2.25E-10	2.76E-11	9.11E-11	6.28E-12	1.25E-10
3759	470004	3818502.15	3.23E-10	1.36E-09	1.22E-10	1.80E-09	2.69E-10	9.98E-10	8.78E-11	1.36E-09	3.05E-11	1.75E-10	2.09E-11	2.26E-10	2.78E-11	9.15E-11	6.31E-12	1.26E-10
3760	470012.92	3818498.61	3.25E-10	1.36E-09	1.23E-10	1.81E-09	2.71E-10	1.00E-09	8.82E-11	1.36E-09	3.07E-11	1.76E-10	2.10E-11	2.27E-10	2.79E-11	9.19E-11	6.34E-12	1.26E-10
3761	470021.84	3818495.08	3.26E-10	1.37E-09	1.23E-10	1.82E-09	2.72E-10	1.01E-09	8.86E-11	1.37E-09	3.08E-11	1.76E-10	2.10E-11	2.28E-10	2.80E-11	9.23E-11	6.37E-12	1.27E-10
3762	470030.76	3818491.55	3.28E-10	1.38E-09	1.24E-10	1.83E-09	2.73E-10	1.01E-09	8.90E-11	1.37E-09	3.09E-11	1.77E-10	2.11E-11	2.29E-10	2.81E-11	9.28E-11	6.39E-12	1.27E-10
3763	470039.68	3818488.01	3.29E-10	1.38E-09	1.24E-10	1.84E-09	2.74E-10	1.02E-09	8.93E-11	1.38E-09	3.11E-11	1.78E-10	2.12E-11	2.30E-10	2.82E-11	9.31E-11	6.42E-12	1.28E-10
3764	470048.6	3818484.48	3.30E-10	1.39E-09	1.25E-10	1.84E-09	2.75E-10	1.02E-09	8.97E-11	1.38E-09	3.12E-11	1.79E-10	2.13E-11	2.31E-10	2.84E-11	9.35E-11	6.44E-12	1.28E-10
3765	470057.52	3818480.95	3.32E-10	1.39E-09	1.25E-10	1.85E-09	2.76E-10	1.02E-09	9.00E-11	1.39E-09	3.13E-11	1.79E-10	2.14E-11	2.32E-10	2.85E-11	9.39E-11	6.47E-12	1.29E-10
3766	470066.44	3818477.42	3.33E-10	1.40E-09	1.26E-10	1.86E-09	2.77E-10	1.03E-09	9.04E-11	1.40E-09	3.14E-11	1.80E-10	2.15E-11	2.33E-10	2.86E-11	9.43E-11	6.50E-12	1.29E-10
3767	470075.36	3818473.88	3.34E-10	1.40E-09	1.26E-10	1.86E-09	2.78E-10	1.03E-09	9.07E-11	1.40E-09	3.15E-11	1.81E-10	2.15E-11	2.34E-10	2.87E-11	9.45E-11	6.52E-12	1.30E-10
3768	470084.28	3818470.35	3.34E-10	1.40E-09	1.26E-10	1.87E-09	2.79E-10	1.03E-09	9.08E-11	1.40E-09	3.16E-11	1.81E-10	2.16E-11	2.34E-10	2.87E-11	9.47E-11	6.53E-12	1.30E-10
3769	470093.2	3818466.82	3.35E-10	1.40E-09	1.27E-10	1.87E-09	2.79E-10	1.03E-09	9.08E-11	1.40E-09	3.16E-11	1.81E-10	2.16E-11	2.34E-10	2.87E-11	9.47E-11	6.53E-12	1.30E-10
3770	470102.12	3818463.28	3.34E-10	1.40E-09	1.26E-10	1.86E-09	2.78E-10	1.03E-09	9.07E-11	1.40E-09	3.16E-11	1.81E-10	2.16E-11	2.34E-10	2.87E-11	9.46E-11	6.52E-12	1.30E-10
3771	469328.72	3819239.82	9.84E-11	4.13E-10	3.72E-11	5.49E-10	8.20E-11	3.04E-10	2.67E-11	4.12E-10	9.29E-12	5.32E-11	6.35E-12	6.88E-11	8.45E-12	2.79E-11	1.92E-12	3.82E-11
3772	469328.53	3819249.47	9.97E-11	4.19E-10	3.77E-11	5.56E-10	8.30E-11	3.08E-10	2.71E-11	4.18E-10	9.41E-12	5.39E-11	6.43E-12	6.97E-11	8.56E-12	2.82E-11	1.94E-12	3.87E-11
3773	469328.33	3819259.12	1.01E-10	4.24E-10	3.82E-11	5.64E-10	8.42E-11	3.12E-10	2.74E-11	4.23E-10	9.54E-12	5.46E-11	6.52E-12	7.07E-11	8.67E-12	2.86E-11	1.97E-12	3.92E-11
3774	469328.14	3819268.77	1.02E-10	4.30E-10	3.87E-11	5.71E-10	8.53E-11	3.16E-10	2.78E-11	4.29E-10	9.68E-12	5.54E-11	6.61E-12	7.17E-11	8.80E-12	2.90E-11	2.00E-12	3.98E-11
3775	469327.95	3819278.41	1.04E-10	4.37E-10	3.93E-11	5.80E-10	8.66E-11	3.21E-10	2.82E-11	4.36E-10	9.82E-12	5.62E-11	6.71E-12	7.28E-11	8.93E-12	2.94E-11	2.03E-12	4.04E-11
3776	469327.75	3819288.06	1.06E-10	4.44E-10	3.99E-11	5.89E-10	8.80E-11	3.26E-10	2.87E-11	4.43E-10	9.97E-12	5.71E-11	6.81E-12	7.39E-11	9.07E-12	2.99E-11	2.06E-12	4.10E-11
3777	469327.56	3819297.71	1.07E-10	4.51E-10	4.06E-11	5.99E-10	8.95E-11	3.32E-10	2.92E-11	4.50E-10	1.01E-11	5.81E-11	6.93E-12	7.51E-11	9.22E-12	3.04E-11	2.10E-12	4.17E-11
3778	469327.37	3819307.36	1.09E-10	4.59E-10	4.13E-11	6.10E-10	9.10E-11	3.37E-10	2.97E-11	4.58E-10	1.03E-11	5.91E-11	7.05E-12	7.65E-11	9.38E-12	3.09E-11	2.13E-12	4.25E-11
3779	469327.17	3819317.01	1.11E-10	4.67E-10	4.21E-11	6.20E-10	9.26E-11	3.43E-10	3.02E-11	4.66E-10	1.05E-11	6.01E-11	7.17E-12	7.78E-11	9.55E-12	3.15E-11	2.17E-12	4.32E-11
3780	469326.98	3819326.66	1.13E-10	4.75E-10	4.28E-11	6.31E-10	9.42E-11	3.49E-10	3.07E-11	4.74E-10	1.07E-11	6.12E-11	7.30E-12	7.91E-11	9.71E-12	3.20E-11	2.21E-12	4.39E-11
3781	469326.79	3819336.3	1.15E-10	4.84E-10	4.35E-11	6.42E-10	9.59E-11	3.55E-10	3.13E-11	4.82E-10	1.09E-11	6.22E-11	7.43E-12	8.05E-11	9.88E-12	3.26E-11	2.25E-12	4.47E-11
3782	469326.59	3819345.95	1.17E-10	4.92E-10	4.43E-11	6.54E-10	9.76E-11	3.62E-10	3.18E-11	4.91E-10	1.11E-11	6.33E-11	7.56E-12	8.20E-11	1.01E-11	3.32E-11	2.29E-12	4.55E-11
3783	469326.4	3819355.6	1.19E-10	5.01E-10	4.51E-11	6.65E-10	9.94E-11	3.68E-10	3.24E-11	5.00E-10	1.13E-11	6.45E-11	7.69E-12	8.35E-11	1.02E-11	3.38E-11	2.33E-12	4.63E-11
3784	469326.21	3819365.25	1.22E-10	5.10E-10	4.60E-11	6.78E-10	1.01E-10	3.75E-10	3.30E-11	5.09E-10	1.15E-11	6.57E-11	7.84E-12	8.50E-11	1.04E-11	3.44E-11	2.37E-12	4.72E-11
3785	469326.02	3819374.9	1.24E-10	5.20E-10	4.68E-11	6.90E-10	1.03E-10	3.82E-10	3.36E-11	5.19E-10	1.17E-11	6.69E-11	7.98E-12	8.66E-11	1.06E-11	3.50E-11	2.42E-12	4.81E-11
3786	469325.82	3819384.54	1.26E-10	5.30E-10	4.77E-11	7.04E-10	1.05E-10	3.89E-10	3.43E-11	5.29E-10	1.19E-11	6.82E-11	8.14E-12	8.83E-11	1.08E-11	3.57E-11	2.46E-12	4.90E-11
3787	469325.63	3819394.19	1.29E-10	5.40E-10	4.87E-11	7.18E-10	1.07E-10	3.97E-10	3.49E-11	5.39E-10	1.22E-11	6.96E-11	8.30E-12	9.00E-11	1.10E-11	3.64E-11	2.51E-12	5.00E-11
3788	469325.44	3819403.84	1.31E-10	5.51E-10	4.96E-11	7.32E-10	1.09E-10	4.05E-10	3.56E-11	5.50E-10	1.24E-11	7.09E-11	8.46E-12	9.18E-11	1.13E-11	3.71E-11	2.56E-12	5.10E-11
3789	469325.24	3819413.49	1.34E-10	5.62E-10	5.06E-11	7.47E-10	1.12E-10	4.13E-10	3.63E-11	5.61E-10	1.26E-11	7.24E-11	8.64E-12	9.37E-11	1.15E-11	3.79E-11	2.61E-12	5.20E-11
3790	469325.05	3819423.14	1.37E-10	5.74E-10	5.17E-11	7.62E-10	1.14E-10	4.22E-10	3.71E-11	5.73E-10	1.29E-11	7.39E-11	8.82E-12	9.56E-11	1.17E-11	3.87E-11	2.67E-12	5.31E-11
3791	469324.86	3819432.79	1.40E-10	5.86E-10	5.28E-11	7.79E-10	1.16E-10	4.31E-10	3.79E-11	5.85E-10	1.32E-11	7.55E-11	9.01E-12	9.77E-11	1.20E-11	3.95E-11	2.72E-12	5.42E-11
3792	469295.39	3819112.83	7.77E-11	3.26E-10	2.94E-11	4.33E-10	6.47E-11	2.40E-10	2.11E-11	3.25E-10	7.33E-12	4.20E-11	5.01E-12	5.43E-11	6.67E-12	2.20E-11	1.52E-12	3.02E-11
3793	469299.25	3819103.99	7.80E-11	3.28E-10	2.95E-11	4.35E-10	6.50E-11	2.41E-10	2.12E-11	3.27E-10	7.37E-12	4.22E-11	5.03E-12	5.46E-11	6.70E-12	2.21E-11	1.52E-12	3.03E-11
3794	469303.1	3819095.15	7.88E-11	3.31E-10	2.98E-11	4.39E-10	6.56E-11	2.43E-10	2.14E-11	3.30E-10	7.44E-12	4.26E-11	5.08E-12	5.51E-11	6.76E-12	2.23E-11	1.54E-12	3.06E-11
3795	469306.96	3819086.31	7.96E-11	3.34E-10	3.01E-11	4.44E-10	6.63E-11	2.46E-10	2.16E-11	3.34E-10	7.52E-12	4.30E-11	5.13E-12	5.57E-11	6.83E-12	2.25E-11	1.55E-12	3.09E-11
3796	469310.81	3819077.47	8.04E-11	3.38E-10	3.04E-11	4.48E-10	6.70E-11	2.48E-10	2.18E-11	3.37E-10	7.59E-12	4.35E-11	5.19E-12	5.62E-11	6.90E-12	2.28E-11	1.57E-12	3.12E-11

3797	469314.67	3819068.63	8.14E-11	3.42E-10	3.08E-11	4.54E-10	6.78E-11	2.51E-10	2.21E-11	3.41E-10	7.69E-12	4.40E-11	5.25E-12	5.69E-11	6.99E-12	2.30E-11	1.59E-12	3.16E-11
3798	469318.52	3819059.79	8.25E-11	3.46E-10	3.12E-11	4.60E-10	6.87E-11	2.54E-10	2.24E-11	3.45E-10	7.79E-12	4.46E-11	5.32E-12	5.77E-11	7.08E-12	2.33E-11	1.61E-12	3.20E-11
3799	469322.38	3819050.95	8.36E-11	3.51E-10	3.16E-11	4.66E-10	6.97E-11	2.58E-10	2.27E-11	3.50E-10	7.90E-12	4.52E-11	5.39E-12	5.85E-11	7.18E-12	2.37E-11	1.63E-12	3.25E-11
3800	469326.24	3819042.1	8.49E-11	3.56E-10	3.21E-11	4.73E-10	7.07E-11	2.62E-10	2.30E-11	3.56E-10	8.01E-12	4.59E-11	5.47E-12	5.94E-11	7.29E-12	2.40E-11	1.66E-12	3.30E-11
3801	469330.09	3819033.26	8.62E-11	3.62E-10	3.26E-11	4.81E-10	7.18E-11	2.66E-10	2.34E-11	3.61E-10	8.14E-12	4.66E-11	5.56E-12	6.03E-11	7.40E-12	2.44E-11	1.68E-12	3.35E-11
3802	469333.95	3819024.42	8.77E-11	3.68E-10	3.32E-11	4.89E-10	7.30E-11	2.71E-10	2.38E-11	3.67E-10	8.28E-12	4.74E-11	5.65E-12	6.13E-11	7.53E-12	2.48E-11	1.71E-12	3.41E-11
3803	469337.8	3819015.58	8.92E-11	3.75E-10	3.37E-11	4.98E-10	7.43E-11	2.75E-10	2.42E-11	3.74E-10	8.43E-12	4.82E-11	5.75E-12	6.24E-11	7.66E-12	2.53E-11	1.74E-12	3.47E-11
3804	469341.66	3819006.74	9.06E-11	3.80E-10	3.43E-11	5.05E-10	7.55E-11	2.80E-10	2.46E-11	3.80E-10	8.55E-12	4.90E-11	5.84E-12	6.34E-11	7.78E-12	2.56E-11	1.77E-12	3.52E-11
3805	469345.51	3818997.9	9.21E-11	3.87E-10	3.48E-11	5.14E-10	7.67E-11	2.84E-10	2.50E-11	3.86E-10	8.70E-12	4.98E-11	5.94E-12	6.44E-11	7.90E-12	2.61E-11	1.80E-12	3.58E-11
3806	469349.37	3818989.06	9.37E-11	3.93E-10	3.54E-11	5.23E-10	7.80E-11	2.89E-10	2.54E-11	3.93E-10	8.85E-12	5.07E-11	6.04E-12	6.55E-11	8.04E-12	2.65E-11	1.83E-12	3.64E-11
3807	469353.22	3818980.22	9.55E-11	4.01E-10	3.61E-11	5.33E-10	7.95E-11	2.95E-10	2.59E-11	4.00E-10	9.02E-12	5.16E-11	6.16E-12	6.68E-11	8.20E-12	2.70E-11	1.86E-12	3.71E-11
3808	469357.08	3818971.38	9.74E-11	4.09E-10	3.68E-11	5.43E-10	8.11E-11	3.01E-10	2.64E-11	4.08E-10	9.20E-12	5.27E-11	6.28E-12	6.82E-11	8.36E-12	2.76E-11	1.90E-12	3.78E-11
3809	469360.94	3818962.54	9.94E-11	4.17E-10	3.76E-11	5.54E-10	8.28E-11	3.07E-10	2.70E-11	4.17E-10	9.39E-12	5.37E-11	6.41E-12	6.95E-11	8.53E-12	2.81E-11	1.94E-12	3.86E-11
3810	469364.79	3818953.69	1.01E-10	4.26E-10	3.84E-11	5.66E-10	8.45E-11	3.13E-10	2.75E-11	4.25E-10	9.58E-12	5.49E-11	6.54E-12	7.10E-11	8.71E-12	2.87E-11	1.98E-12	3.94E-11
3811	469368.65	3818944.85	1.04E-10	4.35E-10	3.92E-11	5.78E-10	8.63E-11	3.20E-10	2.81E-11	4.34E-10	9.78E-12	5.60E-11	6.68E-12	7.25E-11	8.89E-12	2.93E-11	2.02E-12	4.02E-11
3812	469372.5	3818936.01	1.06E-10	4.44E-10	4.00E-11	5.90E-10	8.80E-11	3.26E-10	2.87E-11	4.43E-10	9.98E-12	5.71E-11	6.82E-12	7.39E-11	9.07E-12	2.99E-11	2.06E-12	4.11E-11
3813	469376.36	3818927.17	1.08E-10	4.53E-10	4.08E-11	6.02E-10	8.98E-11	3.33E-10	2.93E-11	4.52E-10	1.02E-11	5.83E-11	6.96E-12	7.55E-11	9.26E-12	3.05E-11	2.10E-12	4.19E-11
3814	469380.21	3818918.33	1.10E-10	4.62E-10	4.16E-11	6.13E-10	9.15E-11	3.39E-10	2.98E-11	4.61E-10	1.04E-11	5.94E-11	7.09E-12	7.69E-11	9.44E-12	3.11E-11	2.14E-12	4.27E-11
3815	469384.07	3818909.49	1.12E-10	4.70E-10	4.24E-11	6.25E-10	9.33E-11	3.46E-10	3.04E-11	4.69E-10	1.06E-11	6.06E-11	7.23E-12	7.84E-11	9.62E-12	3.17E-11	2.19E-12	4.35E-11
3816	469387.93	3818900.65	1.14E-10	4.79E-10	4.31E-11	6.36E-10	9.50E-11	3.52E-10	3.10E-11	4.78E-10	1.08E-11	6.17E-11	7.36E-12	7.98E-11	9.79E-12	3.23E-11	2.23E-12	4.43E-11
3817	469391.78	3818891.81	1.16E-10	4.88E-10	4.40E-11	6.48E-10	9.68E-11	3.59E-10	3.16E-11	4.87E-10	1.10E-11	6.28E-11	7.50E-12	8.13E-11	9.98E-12	3.29E-11	2.27E-12	4.52E-11
3818	469395.64	3818882.97	1.18E-10	4.97E-10	4.48E-11	6.61E-10	9.86E-11	3.65E-10	3.21E-11	4.96E-10	1.12E-11	6.40E-11	7.64E-12	8.28E-11	1.02E-11	3.35E-11	2.31E-12	4.60E-11
3819	469399.49	3818874.13	1.21E-10	5.06E-10	4.56E-11	6.72E-10	1.00E-10	3.72E-10	3.27E-11	5.05E-10	1.14E-11	6.52E-11	7.77E-12	8.43E-11	1.03E-11	3.41E-11	2.35E-12	4.68E-11
3820	469403.35	3818865.28	1.23E-10	5.15E-10	4.64E-11	6.84E-10	1.02E-10	3.78E-10	3.33E-11	5.14E-10	1.16E-11	6.63E-11	7.91E-12	8.58E-11	1.05E-11	3.47E-11	2.39E-12	4.76E-11
3821	469407.2	3818856.44	1.25E-10	5.23E-10	4.71E-11	6.95E-10	1.04E-10	3.85E-10	3.38E-11	5.22E-10	1.18E-11	6.74E-11	8.04E-12	8.72E-11	1.07E-11	3.53E-11	2.43E-12	4.84E-11
3822	469411.06	3818847.6	1.27E-10	5.31E-10	4.78E-11	7.06E-10	1.05E-10	3.90E-10	3.43E-11	5.30E-10	1.19E-11	6.84E-11	8.16E-12	8.85E-11	1.09E-11	3.58E-11	2.47E-12	4.91E-11
3823	469414.91	3818838.76	1.28E-10	5.39E-10	4.85E-11	7.16E-10	1.07E-10	3.96E-10	3.48E-11	5.38E-10	1.21E-11	6.94E-11	8.28E-12	8.98E-11	1.10E-11	3.63E-11	2.50E-12	4.99E-11
3824	469418.77	3818829.92	1.30E-10	5.47E-10	4.92E-11	7.26E-10	1.08E-10	4.02E-10	3.53E-11	5.45E-10	1.23E-11	7.04E-11	8.40E-12	9.11E-11	1.12E-11	3.68E-11	2.54E-12	5.06E-11
3825	469422.63	3818821.08	1.32E-10	5.54E-10	4.99E-11	7.36E-10	1.10E-10	4.07E-10	3.58E-11	5.53E-10	1.25E-11	7.13E-11	8.51E-12	9.23E-11	1.13E-11	3.74E-11	2.58E-12	5.13E-11
3826	469426.48	3818812.24	1.34E-10	5.61E-10	5.05E-11	7.45E-10	1.11E-10	4.12E-10	3.63E-11	5.60E-10	1.26E-11	7.23E-11	8.62E-12	9.35E-11	1.15E-11	3.78E-11	2.61E-12	5.19E-11
3827	469430.34	3818803.4	1.35E-10	5.68E-10	5.12E-11	7.54E-10	1.13E-10	4.17E-10	3.67E-11	5.67E-10	1.28E-11	7.31E-11	8.72E-12	9.46E-11	1.16E-11	3.83E-11	2.64E-12	5.25E-11
3828	469434.19	3818794.56	1.37E-10	5.75E-10	5.17E-11	7.63E-10	1.14E-10	4.22E-10	3.71E-11	5.73E-10	1.29E-11	7.40E-11	8.82E-12	9.57E-11	1.17E-11	3.87E-11	2.67E-12	5.31E-11
3829	469438.05	3818785.72	1.38E-10	5.81E-10	5.23E-11	7.72E-10	1.15E-10	4.27E-10	3.76E-11	5.80E-10	1.31E-11	7.48E-11	8.92E-12	9.68E-11	1.19E-11	3.92E-11	2.70E-12	5.37E-11
3830	469441.9	3818776.88	1.40E-10	5.87E-10	5.29E-11	7.80E-10	1.16E-10	4.32E-10	3.80E-11	5.86E-10	1.32E-11	7.56E-11	9.02E-12	9.78E-11	1.20E-11	3.96E-11	2.73E-12	5.43E-11
3831	469445.76	3818768.03	1.41E-10	5.93E-10	5.34E-11	7.88E-10	1.18E-10	4.36E-10	3.83E-11	5.92E-10	1.33E-11	7.63E-11	9.11E-12	9.88E-11	1.21E-11	4.00E-11	2.76E-12	5.49E-11
3832	469449.62	3818759.19	1.43E-10	5.99E-10	5.39E-11	7.95E-10	1.19E-10	4.40E-10	3.87E-11	5.98E-10	1.35E-11	7.71E-11	9.20E-12	9.97E-11	1.22E-11	4.04E-11	2.78E-12	5.54E-11
3833	469453.47	3818750.35	1.44E-10	6.04E-10	5.44E-11	8.02E-10	1.20E-10	4.44E-10	3.90E-11	6.03E-10	1.36E-11	7.78E-11	9.28E-12	1.01E-10	1.23E-11	4.07E-11	2.81E-12	5.59E-11
3834	469457.33	3818741.51	1.45E-10	6.09E-10	5.48E-11	8.09E-10	1.21E-10	4.48E-10	3.94E-11	6.08E-10	1.37E-11	7.84E-11	9.35E-12	1.01E-10	1.24E-11	4.10E-11	2.83E-12	5.63E-11
3835	469461.18	3818732.67	1.46E-10	6.14E-10	5.53E-11	8.15E-10	1.22E-10	4.51E-10	3.97E-11	6.12E-10	1.38E-11	7.90E-11	9.43E-12	1.02E-10	1.25E-11	4.14E-11	2.85E-12	5.68E-11
3836	469465.04	3818723.83	1.47E-10	6.18E-10	5.57E-11	8.21E-10	1.23E-10	4.54E-10	4.00E-11	6.17E-10	1.39E-11	7.96E-11	9.50E-12	1.03E-10	1.26E-11	4.17E-11	2.87E-12	5.72E-11
3837	469468.89	3818714.99	1.48E-10	6.23E-10	5.61E-11	8.27E-10	1.24E-10	4.58E-10	4.03E-11	6.21E-10	1.40E-11	8.02E-11	9.57E-12	1.04E-10	1.27E-11	4.20E-11	2.89E-12	5.76E-11
3838	469472.75	3818706.15	1.49E-10	6.27E-10	5.65E-11	8.33E-10	1.24E-10	4.61E-10	4.05E-11	6.26E-10	1.41E-11	8.07E-11	9.63E-12	1.04E-10	1.28E-11	4.23E-11	2.91E-12	5.80E-11
3839	469476.61	3818697.31	1.50E-10	6.31E-10	5.68E-11	8.38E-10	1.25E-10	4.64E-10	4.08E-11	6.30E-10	1.42E-11	8.13E-11	9.69E-12	1.05E-10	1.29E-11	4.25E-11	2.93E-12	5.84E-11
3840	469480.46	3818688.47	1.51E-10	6.36E-10	5.72E-11	8.44E-10	1.26E-10	4.67E-10	4.11E-11	6.34E-10	1.43E-11	8.18E-11	9.76E-12	1.06E-10	1.30E-11	4.28E-11	2.95E-12	5.88E-11
3841	469484.32	3818679.62	1.52E-10	6.39E-10	5.75E-11	8.49E-10	1.27E-10	4.70E-10	4.13E-11	6.38E-10	1.44E-11	8.23E-11	9.81E-12	1.06E-10	1.31E-11	4.31E-11	2.97E-12	5.91E-11
3842	469503.59	3818635.42	1.56E-10	6.55E-10	5.90E-11	8.70E-10	1.30E-10	4.81E-10	4.24E-11	6.54E-10	1.47E-11	8.43E-11	1.01E-11	1.09E-10	1.34E-11	4.42E-11	3.04E-12	6.06E-11
3843	469507.45	3818626.58	1.57E-10	6.59E-10	5.93E-11	8.75E-10	1.31E-10	4.84E-10	4.26E-11	6.57E-10	1.48E-11	8.48E-11	1.01E-11	1.10E-10	1.35E-11	4.44E-11	3.06E-12	6.09E-11
3844	469520.27	3818614.19	1.60E-10	6.74E-10	6.07E-11	8.95E-10	1.34E-10	4.95E-10	4.36E-11	6.72E-10	1.52E-11	8.68E-11	1.04E-11	1.12E-10	1.38E-11	4.54E-11	3.13E-12	6.23E-11
3845	469529.24	3818610.63	1.64E-10	6.87E-10	6.19E-11	9.12E-10	1.36E-10	5.05E-10	4.44E-11	6.85E-10	1.54E-11	8.84E-11	1.06E-11	1.14E-10	1.40E-11	4.63E-11	3.19E-12	6.35E-11
3846	469538.21	3818607.08	1.67E-10	7.00E-10	6.31E-11	9.30E-10	1.39E-10	5.15E-10	4.53E-11	6.99E-10	1.57E-11	9.02E-11	1.08E-11	1.17E-10	1.43E-11	4.72E-11	3.25E-12	6.48E-11

3847	469547.18	3818603.53	1.70E-10	7.13E-10	6.42E-11	9.47E-10	1.41E-10	5.24E-10	4.61E-11	7.12E-10	1.60E-11	9.18E-11	1.10E-11	1.19E-10	1.46E-11	4.81E-11	3.31E-12	6.60E-11
3848	469556.14	3818599.98	1.73E-10	7.26E-10	6.54E-11	9.65E-10	1.44E-10	5.34E-10	4.70E-11	7.25E-10	1.63E-11	9.35E-11	1.12E-11	1.21E-10	1.48E-11	4.90E-11	3.38E-12	6.72E-11
3849	469565.11	3818596.43	1.76E-10	7.39E-10	6.66E-11	9.82E-10	1.47E-10	5.43E-10	4.78E-11	7.38E-10	1.66E-11	9.52E-11	1.14E-11	1.23E-10	1.51E-11	4.98E-11	3.43E-12	6.84E-11
3850	469574.08	3818592.88	1.79E-10	7.53E-10	6.78E-11	9.99E-10	1.49E-10	5.53E-10	4.86E-11	7.51E-10	1.69E-11	9.69E-11	1.16E-11	1.25E-10	1.54E-11	5.07E-11	3.50E-12	6.96E-11
3851	469583.05	3818589.32	1.82E-10	7.66E-10	6.90E-11	1.02E-09	1.52E-10	5.63E-10	4.95E-11	7.64E-10	1.72E-11	9.86E-11	1.18E-11	1.28E-10	1.57E-11	5.16E-11	3.56E-12	7.08E-11
3852	469592.01	3818585.77	1.85E-10	7.79E-10	7.01E-11	1.03E-09	1.54E-10	5.72E-10	5.03E-11	7.77E-10	1.75E-11	1.00E-10	1.20E-11	1.30E-10	1.59E-11	5.25E-11	3.62E-12	7.20E-11
3853	469600.98	3818582.22	1.88E-10	7.91E-10	7.12E-11	1.05E-09	1.57E-10	5.81E-10	5.11E-11	7.89E-10	1.78E-11	1.02E-10	1.21E-11	1.32E-10	1.62E-11	5.33E-11	3.67E-12	7.31E-11
3854	469609.95	3818578.67	1.91E-10	8.03E-10	7.23E-11	1.07E-09	1.59E-10	5.90E-10	5.19E-11	8.01E-10	1.81E-11	1.03E-10	1.23E-11	1.34E-10	1.64E-11	5.41E-11	3.73E-12	7.43E-11
3855	469618.91	3818575.12	1.94E-10	8.14E-10	7.33E-11	1.08E-09	1.62E-10	5.98E-10	5.26E-11	8.13E-10	1.83E-11	1.05E-10	1.25E-11	1.36E-10	1.66E-11	5.49E-11	3.78E-12	7.53E-11
3856	469627.88	3818571.57	1.97E-10	8.26E-10	7.44E-11	1.10E-09	1.64E-10	6.07E-10	5.34E-11	8.24E-10	1.86E-11	1.06E-10	1.27E-11	1.38E-10	1.69E-11	5.57E-11	3.84E-12	7.64E-11
3857	469636.85	3818568.01	1.99E-10	8.37E-10	7.54E-11	1.11E-09	1.66E-10	6.15E-10	5.41E-11	8.35E-10	1.88E-11	1.08E-10	1.29E-11	1.39E-10	1.71E-11	5.64E-11	3.89E-12	7.74E-11
3858	469645.82	3818564.46	2.02E-10	8.47E-10	7.63E-11	1.12E-09	1.68E-10	6.22E-10	5.47E-11	8.45E-10	1.90E-11	1.09E-10	1.30E-11	1.41E-10	1.73E-11	5.71E-11	3.94E-12	7.83E-11
3859	469654.78	3818560.91	2.04E-10	8.57E-10	7.72E-11	1.14E-09	1.70E-10	6.30E-10	5.54E-11	8.55E-10	1.93E-11	1.10E-10	1.32E-11	1.43E-10	1.75E-11	5.78E-11	3.98E-12	7.93E-11
3860	469663.75	3818557.36	2.06E-10	8.67E-10	7.81E-11	1.15E-09	1.72E-10	6.37E-10	5.60E-11	8.65E-10	1.95E-11	1.12E-10	1.33E-11	1.44E-10	1.77E-11	5.84E-11	4.03E-12	8.02E-11
3861	469672.72	3818553.81	2.09E-10	8.76E-10	7.89E-11	1.16E-09	1.74E-10	6.44E-10	5.66E-11	8.74E-10	1.97E-11	1.13E-10	1.35E-11	1.46E-10	1.79E-11	5.91E-11	4.07E-12	8.10E-11
3862	469708.59	3818539.6	2.18E-10	9.15E-10	8.24E-11	1.22E-09	1.81E-10	6.72E-10	5.92E-11	9.13E-10	2.06E-11	1.18E-10	1.41E-11	1.52E-10	1.87E-11	6.17E-11	4.25E-12	8.46E-11
3863	469717.56	3818536.05	2.20E-10	9.26E-10	8.33E-11	1.23E-09	1.84E-10	6.80E-10	5.98E-11	9.23E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.24E-11	4.30E-12	8.56E-11
3864	469726.52	3818532.5	2.22E-10	9.34E-10	8.41E-11	1.24E-09	1.85E-10	6.86E-10	6.04E-11	9.32E-10	2.10E-11	1.20E-10	1.43E-11	1.56E-10	1.91E-11	6.30E-11	4.34E-12	8.64E-11
3865	469735.49	3818528.95	2.25E-10	9.43E-10	8.49E-11	1.25E-09	1.87E-10	6.93E-10	6.10E-11	9.41E-10	2.12E-11	1.21E-10	1.45E-11	1.57E-10	1.93E-11	6.36E-11	4.38E-12	8.72E-11
3866	469744.46	3818525.39	2.27E-10	9.52E-10	8.57E-11	1.26E-09	1.89E-10	6.99E-10	6.15E-11	9.50E-10	2.14E-11	1.23E-10	1.46E-11	1.59E-10	1.95E-11	6.42E-11	4.42E-12	8.80E-11
3867	469753.43	3818521.84	2.29E-10	9.61E-10	8.65E-11	1.28E-09	1.91E-10	7.06E-10	6.21E-11	9.59E-10	2.16E-11	1.24E-10	1.48E-11	1.60E-10	1.96E-11	6.48E-11	4.46E-12	8.89E-11
3868	469762.39	3818518.29	2.31E-10	9.69E-10	8.73E-11	1.29E-09	1.92E-10	7.12E-10	6.27E-11	9.67E-10	2.18E-11	1.25E-10	1.49E-11	1.61E-10	1.98E-11	6.53E-11	4.50E-12	8.97E-11
3869	469771.36	3818514.74	2.33E-10	9.78E-10	8.81E-11	1.30E-09	1.94E-10	7.19E-10	6.32E-11	9.76E-10	2.20E-11	1.26E-10	1.50E-11	1.63E-10	2.00E-11	6.59E-11	4.54E-12	9.05E-11
3870	469780.33	3818511.19	2.35E-10	9.86E-10	8.88E-11	1.31E-09	1.96E-10	7.25E-10	6.38E-11	9.84E-10	2.22E-11	1.27E-10	1.51E-11	1.64E-10	2.02E-11	6.65E-11	4.58E-12	9.12E-11
3871	469789.3	3818507.64	2.37E-10	9.94E-10	8.96E-11	1.32E-09	1.97E-10	7.31E-10	6.43E-11	9.92E-10	2.24E-11	1.28E-10	1.53E-11	1.66E-10	2.03E-11	6.70E-11	4.62E-12	9.20E-11
3872	469798.26	3818504.08	2.39E-10	1.00E-09	9.03E-11	1.33E-09	1.99E-10	7.37E-10	6.48E-11	1.00E-09	2.25E-11	1.29E-10	1.54E-11	1.67E-10	2.05E-11	6.76E-11	4.66E-12	9.27E-11
3873	469807.23	3818500.53	2.41E-10	1.01E-09	9.10E-11	1.34E-09	2.00E-10	7.42E-10	6.53E-11	1.01E-09	2.27E-11	1.30E-10	1.55E-11	1.68E-10	2.07E-11	6.81E-11	4.69E-12	9.34E-11
3874	469816.2	3818496.98	2.43E-10	1.02E-09	9.17E-11	1.35E-09	2.02E-10	7.48E-10	6.58E-11	1.02E-09	2.29E-11	1.31E-10	1.56E-11	1.70E-10	2.08E-11	6.86E-11	4.73E-12	9.42E-11
3875	469825.17	3818493.43	2.44E-10	1.03E-09	9.24E-11	1.36E-09	2.04E-10	7.54E-10	6.63E-11	1.02E-09	2.31E-11	1.32E-10	1.58E-11	1.71E-10	2.10E-11	6.92E-11	4.77E-12	9.49E-11
3876	469834.13	3818489.88	2.46E-10	1.03E-09	9.31E-11	1.37E-09	2.05E-10	7.59E-10	6.68E-11	1.03E-09	2.32E-11	1.33E-10	1.59E-11	1.72E-10	2.11E-11	6.96E-11	4.80E-12	9.56E-11
3877	469843.1	3818486.33	2.48E-10	1.04E-09	9.37E-11	1.38E-09	2.06E-10	7.64E-10	6.72E-11	1.04E-09	2.34E-11	1.34E-10	1.60E-11	1.73E-10	2.13E-11	7.01E-11	4.83E-12	9.62E-11
3878	469852.07	3818482.78	2.49E-10	1.05E-09	9.43E-11	1.39E-09	2.08E-10	7.69E-10	6.77E-11	1.04E-09	2.35E-11	1.35E-10	1.61E-11	1.74E-10	2.14E-11	7.06E-11	4.86E-12	9.68E-11
3879	469861.04	3818479.22	2.51E-10	1.05E-09	9.49E-11	1.40E-09	2.09E-10	7.74E-10	6.81E-11	1.05E-09	2.37E-11	1.36E-10	1.62E-11	1.75E-10	2.15E-11	7.10E-11	4.89E-12	9.74E-11
3880	469870	3818475.67	2.52E-10	1.06E-09	9.54E-11	1.41E-09	2.10E-10	7.79E-10	6.85E-11	1.06E-09	2.38E-11	1.36E-10	1.63E-11	1.77E-10	2.17E-11	7.14E-11	4.92E-12	9.80E-11
3881	469878.97	3818472.12	2.54E-10	1.07E-09	9.59E-11	1.41E-09	2.11E-10	7.83E-10	6.88E-11	1.06E-09	2.39E-11	1.37E-10	1.64E-11	1.77E-10	2.18E-11	7.18E-11	4.95E-12	9.85E-11
3882	469887.94	3818468.57	2.55E-10	1.07E-09	9.63E-11	1.42E-09	2.12E-10	7.86E-10	6.92E-11	1.07E-09	2.41E-11	1.38E-10	1.64E-11	1.78E-10	2.19E-11	7.21E-11	4.97E-12	9.89E-11
3883	469896.9	3818465.02	2.56E-10	1.07E-09	9.67E-11	1.43E-09	2.13E-10	7.89E-10	6.94E-11	1.07E-09	2.42E-11	1.38E-10	1.65E-11	1.79E-10	2.20E-11	7.24E-11	4.99E-12	9.94E-11
3884	469905.87	3818461.47	2.57E-10	1.08E-09	9.71E-11	1.43E-09	2.14E-10	7.92E-10	6.97E-11	1.08E-09	2.42E-11	1.39E-10	1.66E-11	1.80E-10	2.20E-11	7.27E-11	5.01E-12	9.97E-11
3885	469914.84	3818457.91	2.58E-10	1.08E-09	9.75E-11	1.44E-09	2.15E-10	7.96E-10	7.00E-11	1.08E-09	2.43E-11	1.39E-10	1.66E-11	1.80E-10	2.21E-11	7.30E-11	5.03E-12	1.00E-10
3886	470031.42	3818411.74	2.74E-10	1.15E-09	1.04E-10	1.53E-09	2.29E-10	8.47E-10	7.45E-11	1.15E-09	2.59E-11	1.48E-10	1.77E-11	1.92E-10	2.36E-11	7.77E-11	5.35E-12	1.07E-10
3887	470040.38	3818408.19	2.76E-10	1.16E-09	1.04E-10	1.54E-09	2.30E-10	8.51E-10	7.49E-11	1.16E-09	2.60E-11	1.49E-10	1.78E-11	1.93E-10	2.37E-11	7.81E-11	5.38E-12	1.07E-10
3888	470049.35	3818404.64	2.77E-10	1.16E-09	1.05E-10	1.55E-09	2.31E-10	8.55E-10	7.52E-11	1.16E-09	2.62E-11	1.50E-10	1.79E-11	1.94E-10	2.38E-11	7.85E-11	5.41E-12	1.08E-10
3889	470058.32	3818401.09	2.79E-10	1.17E-09	1.05E-10	1.55E-09	2.32E-10	8.60E-10	7.56E-11	1.17E-09	2.63E-11	1.51E-10	1.80E-11	1.95E-10	2.39E-11	7.88E-11	5.44E-12	1.08E-10
3890	470067.29	3818397.54	2.80E-10	1.17E-09	1.06E-10	1.56E-09	2.33E-10	8.63E-10	7.59E-11	1.17E-09	2.64E-11	1.51E-10	1.80E-11	1.96E-10	2.40E-11	7.92E-11	5.46E-12	1.09E-10
3891	470076.25	3818393.98	2.80E-10	1.18E-09	1.06E-10	1.56E-09	2.34E-10	8.65E-10	7.61E-11	1.18E-09	2.65E-11	1.52E-10	1.81E-11	1.96E-10	2.41E-11	7.94E-11	5.47E-12	1.09E-10
3892	470085.22	3818390.43	2.81E-10	1.18E-09	1.06E-10	1.57E-09	2.34E-10	8.67E-10	7.63E-11	1.18E-09	2.65E-11	1.52E-10	1.81E-11	1.97E-10	2.41E-11	7.96E-11	5.48E-12	1.09E-10
3893	470094.19	3818386.88	2.81E-10	1.18E-09	1.06E-10	1.57E-09	2.34E-10	8.69E-10	7.64E-11	1.18E-09	2.66E-11	1.52E-10	1.82E-11	1.97E-10	2.42E-11	7.97E-11	5.49E-12	1.09E-10
3894	470103.16	3818383.33	2.81E-10	1.18E-09	1.06E-10	1.57E-09	2.34E-10	8.68E-10	7.64E-11	1.18E-09	2.66E-11	1.52E-10	1.81E-11	1.97E-10	2.42E-11	7.96E-11	5.49E-12	1.09E-10
3895	470112.12	3818379.78	2.81E-10	1.18E-09	1.06E-10	1.57E-09	2.34E-10	8.66E-10	7.62E-11	1.18E-09	2.65E-11	1.52E-10	1.81E-11	1.96E-10	2.41E-11	7.94E-11	5.48E-12	1.09E-10
3896	469248.74	3819238.22	8.06E-11	3.39E-10	3.05E-11	4.50E-10	6.72E-11	2.49E-10	2.19E-11	3.38E-10	7.62E-12	4.36E-11	5.20E-12	5.64E-11	6.92E-12	2.28E-11	1.57E-12	3.13E-11

3897	469248.54	3819247.87	8.19E-11	3.44E-10	3.10E-11	4.57E-10	6.82E-11	2.53E-10	2.22E-11	3.43E-10	7.73E-12	4.43E-11	5.28E-12	5.73E-11	7.03E-12	2.32E-11	1.60E-12	3.18E-11
3898	469248.35	3819257.52	8.32E-11	3.49E-10	3.15E-11	4.64E-10	6.93E-11	2.57E-10	2.26E-11	3.49E-10	7.86E-12	4.50E-11	5.37E-12	5.82E-11	7.14E-12	2.35E-11	1.62E-12	3.23E-11
3899	469248.16	3819267.16	8.46E-11	3.55E-10	3.20E-11	4.72E-10	7.04E-11	2.61E-10	2.30E-11	3.54E-10	7.99E-12	4.57E-11	5.45E-12	5.92E-11	7.26E-12	2.39E-11	1.65E-12	3.28E-11
3900	469247.96	3819276.81	8.60E-11	3.61E-10	3.25E-11	4.80E-10	7.16E-11	2.65E-10	2.33E-11	3.60E-10	8.12E-12	4.65E-11	5.55E-12	6.02E-11	7.38E-12	2.43E-11	1.68E-12	3.34E-11
3901	469247.77	3819286.46	8.77E-11	3.68E-10	3.32E-11	4.89E-10	7.30E-11	2.71E-10	2.38E-11	3.67E-10	8.28E-12	4.74E-11	5.65E-12	6.13E-11	7.53E-12	2.48E-11	1.71E-12	3.41E-11
3902	469247.58	3819296.11	8.90E-11	3.74E-10	3.36E-11	4.96E-10	7.41E-11	2.75E-10	2.42E-11	3.73E-10	8.40E-12	4.81E-11	5.74E-12	6.22E-11	7.64E-12	2.52E-11	1.74E-12	3.46E-11
3903	469247.38	3819305.76	9.03E-11	3.79E-10	3.41E-11	5.04E-10	7.52E-11	2.79E-10	2.45E-11	3.78E-10	8.53E-12	4.88E-11	5.82E-12	6.32E-11	7.75E-12	2.56E-11	1.76E-12	3.51E-11
3904	469247.19	3819315.41	9.17E-11	3.85E-10	3.47E-11	5.12E-10	7.64E-11	2.83E-10	2.49E-11	3.84E-10	8.66E-12	4.96E-11	5.92E-12	6.42E-11	7.87E-12	2.60E-11	1.79E-12	3.56E-11
3905	469247	3819325.05	9.31E-11	3.91E-10	3.52E-11	5.19E-10	7.76E-11	2.87E-10	2.53E-11	3.90E-10	8.80E-12	5.03E-11	6.01E-12	6.52E-11	8.00E-12	2.64E-11	1.82E-12	3.62E-11
3906	469246.8	3819334.7	9.46E-11	3.97E-10	3.58E-11	5.28E-10	7.88E-11	2.92E-10	2.57E-11	3.97E-10	8.94E-12	5.12E-11	6.10E-12	6.62E-11	8.12E-12	2.68E-11	1.85E-12	3.68E-11
3907	469246.61	3819344.35	9.61E-11	4.04E-10	3.64E-11	5.36E-10	8.01E-11	2.97E-10	2.61E-11	4.03E-10	9.08E-12	5.20E-11	6.20E-12	6.72E-11	8.25E-12	2.72E-11	1.88E-12	3.73E-11
3908	469246.42	3819354	9.77E-11	4.10E-10	3.70E-11	5.45E-10	8.14E-11	3.02E-10	2.65E-11	4.10E-10	9.23E-12	5.28E-11	6.30E-12	6.84E-11	8.39E-12	2.77E-11	1.91E-12	3.80E-11
3909	469246.22	3819363.65	9.94E-11	4.17E-10	3.76E-11	5.54E-10	8.28E-11	3.07E-10	2.70E-11	4.17E-10	9.39E-12	5.37E-11	6.41E-12	6.95E-11	8.53E-12	2.81E-11	1.94E-12	3.86E-11
3910	469246.03	3819373.29	1.01E-10	4.25E-10	3.82E-11	5.64E-10	8.42E-11	3.12E-10	2.74E-11	4.24E-10	9.55E-12	5.46E-11	6.52E-12	7.07E-11	8.68E-12	2.86E-11	1.97E-12	3.93E-11
3911	469245.84	3819382.94	1.03E-10	4.32E-10	3.89E-11	5.74E-10	8.58E-11	3.18E-10	2.79E-11	4.31E-10	9.72E-12	5.57E-11	6.64E-12	7.20E-11	8.84E-12	2.91E-11	2.01E-12	4.00E-11
3912	469245.65	3819392.59	1.05E-10	4.40E-10	3.97E-11	5.85E-10	8.74E-11	3.24E-10	2.85E-11	4.39E-10	9.90E-12	5.67E-11	6.76E-12	7.34E-11	9.00E-12	2.97E-11	2.05E-12	4.07E-11
3913	469245.45	3819402.24	1.07E-10	4.49E-10	4.04E-11	5.96E-10	8.90E-11	3.30E-10	2.90E-11	4.48E-10	1.01E-11	5.78E-11	6.89E-12	7.48E-11	9.17E-12	3.03E-11	2.09E-12	4.15E-11
3914	469245.26	3819411.89	1.09E-10	4.57E-10	4.11E-11	6.07E-10	9.06E-11	3.36E-10	2.95E-11	4.56E-10	1.03E-11	5.88E-11	7.02E-12	7.61E-11	9.34E-12	3.08E-11	2.12E-12	4.23E-11
3915	469245.07	3819421.54	1.11E-10	4.66E-10	4.19E-11	6.18E-10	9.23E-11	3.42E-10	3.01E-11	4.64E-10	1.05E-11	5.99E-11	7.15E-12	7.75E-11	9.52E-12	3.14E-11	2.16E-12	4.31E-11
3916	469244.87	3819431.18	1.13E-10	4.74E-10	4.27E-11	6.30E-10	9.40E-11	3.48E-10	3.06E-11	4.73E-10	1.07E-11	6.10E-11	7.28E-12	7.90E-11	9.69E-12	3.20E-11	2.20E-12	4.39E-11
3917	469176.78	3819199.8	6.52E-11	2.74E-10	2.46E-11	3.64E-10	5.43E-11	2.01E-10	1.77E-11	2.73E-10	6.15E-12	3.52E-11	4.20E-12	4.56E-11	5.60E-12	1.84E-11	1.27E-12	2.53E-11
3918	469180.6	3819191.04	6.48E-11	2.72E-10	2.45E-11	3.61E-10	5.40E-11	2.00E-10	1.76E-11	2.72E-10	6.12E-12	3.50E-11	4.18E-12	4.53E-11	5.56E-12	1.83E-11	1.26E-12	2.52E-11
3919	469184.42	3819182.28	6.45E-11	2.71E-10	2.44E-11	3.60E-10	5.37E-11	1.99E-10	1.75E-11	2.70E-10	6.09E-12	3.49E-11	4.16E-12	4.51E-11	5.54E-12	1.83E-11	1.26E-12	2.51E-11
3920	469188.24	3819173.52	6.42E-11	2.70E-10	2.43E-11	3.58E-10	5.35E-11	1.98E-10	1.74E-11	2.69E-10	6.07E-12	3.47E-11	4.14E-12	4.49E-11	5.52E-12	1.82E-11	1.25E-12	2.50E-11
3921	469192.06	3819164.75	6.41E-11	2.69E-10	2.42E-11	3.57E-10	5.34E-11	1.98E-10	1.74E-11	2.68E-10	6.05E-12	3.46E-11	4.13E-12	4.48E-11	5.50E-12	1.81E-11	1.25E-12	2.49E-11
3922	469195.89	3819155.99	6.39E-11	2.68E-10	2.42E-11	3.57E-10	5.33E-11	1.97E-10	1.74E-11	2.68E-10	6.04E-12	3.46E-11	4.12E-12	4.47E-11	5.49E-12	1.81E-11	1.25E-12	2.48E-11
3923	469199.71	3819147.23	6.39E-11	2.68E-10	2.42E-11	3.56E-10	5.32E-11	1.97E-10	1.73E-11	2.68E-10	6.03E-12	3.45E-11	4.12E-12	4.47E-11	5.48E-12	1.81E-11	1.25E-12	2.48E-11
3924	469203.53	3819138.47	6.39E-11	2.68E-10	2.42E-11	3.56E-10	5.32E-11	1.97E-10	1.73E-11	2.68E-10	6.03E-12	3.45E-11	4.12E-12	4.47E-11	5.48E-12	1.81E-11	1.25E-12	2.48E-11
3925	469207.35	3819129.71	6.40E-11	2.69E-10	2.42E-11	3.57E-10	5.33E-11	1.97E-10	1.74E-11	2.68E-10	6.04E-12	3.46E-11	4.13E-12	4.48E-11	5.49E-12	1.81E-11	1.25E-12	2.49E-11
3926	469211.17	3819120.95	6.41E-11	2.69E-10	2.43E-11	3.58E-10	5.34E-11	1.98E-10	1.74E-11	2.69E-10	6.06E-12	3.47E-11	4.14E-12	4.49E-11	5.50E-12	1.82E-11	1.25E-12	2.49E-11
3927	469214.99	3819112.18	6.44E-11	2.70E-10	2.43E-11	3.59E-10	5.36E-11	1.99E-10	1.75E-11	2.70E-10	6.08E-12	3.48E-11	4.15E-12	4.50E-11	5.53E-12	1.82E-11	1.26E-12	2.50E-11
3928	469218.81	3819103.42	6.46E-11	2.71E-10	2.44E-11	3.60E-10	5.38E-11	1.99E-10	1.75E-11	2.71E-10	6.10E-12	3.49E-11	4.17E-12	4.52E-11	5.55E-12	1.83E-11	1.26E-12	2.51E-11
3929	469222.63	3819094.66	6.50E-11	2.73E-10	2.46E-11	3.63E-10	5.41E-11	2.01E-10	1.76E-11	2.72E-10	6.14E-12	3.51E-11	4.19E-12	4.55E-11	5.58E-12	1.84E-11	1.27E-12	2.52E-11
3930	469226.45	3819085.9	6.54E-11	2.75E-10	2.47E-11	3.65E-10	5.45E-11	2.02E-10	1.78E-11	2.74E-10	6.18E-12	3.54E-11	4.22E-12	4.58E-11	5.62E-12	1.85E-11	1.28E-12	2.54E-11
3931	469230.27	3819077.14	6.59E-11	2.77E-10	2.49E-11	3.68E-10	5.49E-11	2.03E-10	1.79E-11	2.76E-10	6.23E-12	3.56E-11	4.25E-12	4.61E-11	5.66E-12	1.87E-11	1.29E-12	2.56E-11
3932	469234.09	3819068.38	6.64E-11	2.79E-10	2.51E-11	3.70E-10	5.53E-11	2.05E-10	1.80E-11	2.78E-10	6.27E-12	3.59E-11	4.28E-12	4.64E-11	5.70E-12	1.88E-11	1.29E-12	2.58E-11
3933	469237.92	3819059.62	6.69E-11	2.81E-10	2.53E-11	3.73E-10	5.57E-11	2.06E-10	1.81E-11	2.80E-10	6.31E-12	3.61E-11	4.31E-12	4.68E-11	5.74E-12	1.89E-11	1.30E-12	2.60E-11
3934	469241.74	3819050.85	6.74E-11	2.83E-10	2.55E-11	3.76E-10	5.62E-11	2.08E-10	1.83E-11	2.82E-10	6.37E-12	3.64E-11	4.35E-12	4.72E-11	5.79E-12	1.91E-11	1.32E-12	2.62E-11
3935	469245.56	3819042.09	6.82E-11	2.86E-10	2.58E-11	3.80E-10	5.68E-11	2.10E-10	1.85E-11	2.86E-10	6.44E-12	3.68E-11	4.40E-12	4.77E-11	5.85E-12	1.93E-11	1.33E-12	2.65E-11
3936	469249.38	3819033.33	6.91E-11	2.90E-10	2.61E-11	3.85E-10	5.75E-11	2.13E-10	1.88E-11	2.90E-10	6.52E-12	3.74E-11	4.46E-12	4.83E-11	5.93E-12	1.96E-11	1.35E-12	2.68E-11
3937	469253.2	3819024.57	7.00E-11	2.94E-10	2.65E-11	3.90E-10	5.83E-11	2.16E-10	1.90E-11	2.93E-10	6.61E-12	3.78E-11	4.51E-12	4.89E-11	6.01E-12	1.98E-11	1.37E-12	2.72E-11
3938	469272.3	3818980.76	7.56E-11	3.18E-10	2.86E-11	4.22E-10	6.30E-11	2.33E-10	2.05E-11	3.17E-10	7.14E-12	4.09E-11	4.88E-12	5.29E-11	6.49E-12	2.14E-11	1.48E-12	2.94E-11
3939	469276.13	3818972	7.70E-11	3.23E-10	2.91E-11	4.29E-10	6.41E-11	2.38E-10	2.09E-11	3.23E-10	7.27E-12	4.16E-11	4.97E-12	5.39E-11	6.61E-12	2.18E-11	1.50E-12	2.99E-11
3940	469279.95	3818963.24	7.83E-11	3.29E-10	2.96E-11	4.37E-10	6.53E-11	2.42E-10	2.13E-11	3.28E-10	7.40E-12	4.24E-11	5.05E-12	5.48E-11	6.73E-12	2.22E-11	1.53E-12	3.04E-11
3941	469283.77	3818954.48	7.98E-11	3.35E-10	3.02E-11	4.45E-10	6.65E-11	2.46E-10	2.17E-11	3.35E-10	7.54E-12	4.32E-11	5.15E-12	5.59E-11	6.85E-12	2.26E-11	1.56E-12	3.10E-11
3942	469287.59	3818945.72	8.13E-11	3.42E-10	3.08E-11	4.54E-10	6.77E-11	2.51E-10	2.21E-11	3.41E-10	7.68E-12	4.40E-11	5.25E-12	5.69E-11	6.98E-12	2.30E-11	1.59E-12	3.16E-11
3943	469291.41	3818936.96	8.29E-11	3.48E-10	3.13E-11	4.62E-10	6.90E-11	2.56E-10	2.25E-11	3.47E-10	7.83E-12	4.48E-11	5.35E-12	5.80E-11	7.12E-12	2.35E-11	1.62E-12	3.22E-11
3944	469295.23	3818928.19	8.46E-11	3.55E-10	3.20E-11	4.72E-10	7.04E-11	2.61E-10	2.30E-11	3.54E-10	7.99E-12	4.57E-11	5.45E-12	5.92E-11	7.26E-12	2.39E-11	1.65E-12	3.28E-11
3945	469299.05	3818919.43	8.61E-11	3.62E-10	3.26E-11	4.80E-10	7.17E-11	2.66E-10	2.34E-11	3.61E-10	8.13E-12	4.66E-11	5.55E-12	6.02E-11	7.39E-12	2.44E-11	1.68E-12	3.34E-11
3946	469302.87	3818910.67	8.77E-11	3.68E-10	3.32E-11	4.89E-10	7.30E-11	2.71E-10	2.38E-11	3.67E-10	8.28E-12	4.74E-11	5.65E-12	6.13E-11	7.53E-12	2.48E-11	1.71E-12	3.41E-11

3947	469306.69	3818901.91	8.93E-11	3.75E-10	3.38E-11	4.98E-10	7.44E-11	2.76E-10	2.42E-11	3.74E-10	8.43E-12	4.83E-11	5.76E-12	6.25E-11	7.66E-12	2.53E-11	1.74E-12	3.47E-11
3948	469310.51	3818893.15	9.10E-11	3.82E-10	3.44E-11	5.07E-10	7.58E-11	2.81E-10	2.47E-11	3.81E-10	8.59E-12	4.92E-11	5.87E-12	6.36E-11	7.81E-12	2.57E-11	1.77E-12	3.53E-11
3949	469314.34	3818884.39	9.28E-11	3.90E-10	3.51E-11	5.17E-10	7.73E-11	2.86E-10	2.52E-11	3.89E-10	8.76E-12	5.01E-11	5.98E-12	6.49E-11	7.96E-12	2.63E-11	1.81E-12	3.60E-11
3950	469318.16	3818875.62	9.46E-11	3.97E-10	3.58E-11	5.27E-10	7.88E-11	2.92E-10	2.57E-11	3.96E-10	8.93E-12	5.11E-11	6.10E-12	6.62E-11	8.12E-12	2.68E-11	1.85E-12	3.67E-11
3951	469321.98	3818866.86	9.63E-11	4.04E-10	3.64E-11	5.37E-10	8.02E-11	2.97E-10	2.61E-11	4.04E-10	9.09E-12	5.21E-11	6.21E-12	6.74E-11	8.27E-12	2.73E-11	1.88E-12	3.74E-11
3952	469325.8	3818858.1	9.81E-11	4.12E-10	3.71E-11	5.47E-10	8.17E-11	3.03E-10	2.66E-11	4.11E-10	9.26E-12	5.30E-11	6.33E-12	6.86E-11	8.42E-12	2.78E-11	1.91E-12	3.81E-11
3953	469329.62	3818849.34	9.99E-11	4.20E-10	3.78E-11	5.57E-10	8.32E-11	3.08E-10	2.71E-11	4.19E-10	9.43E-12	5.40E-11	6.44E-12	6.99E-11	8.58E-12	2.83E-11	1.95E-12	3.88E-11
3954	469333.44	3818840.58	1.02E-10	4.27E-10	3.84E-11	5.67E-10	8.46E-11	3.13E-10	2.76E-11	4.26E-10	9.59E-12	5.49E-11	6.55E-12	7.11E-11	8.72E-12	2.88E-11	1.98E-12	3.95E-11
3955	469337.26	3818831.82	1.03E-10	4.34E-10	3.91E-11	5.76E-10	8.60E-11	3.19E-10	2.80E-11	4.33E-10	9.75E-12	5.58E-11	6.66E-12	7.22E-11	8.86E-12	2.92E-11	2.01E-12	4.01E-11
3956	469341.08	3818823.06	1.05E-10	4.40E-10	3.97E-11	5.85E-10	8.74E-11	3.24E-10	2.85E-11	4.39E-10	9.90E-12	5.67E-11	6.76E-12	7.34E-11	9.00E-12	2.97E-11	2.05E-12	4.07E-11
3957	469344.9	3818814.29	1.06E-10	4.47E-10	4.03E-11	5.94E-10	8.87E-11	3.28E-10	2.89E-11	4.46E-10	1.01E-11	5.75E-11	6.87E-12	7.45E-11	9.14E-12	3.01E-11	2.08E-12	4.13E-11
3958	469348.72	3818805.53	1.08E-10	4.53E-10	4.08E-11	6.02E-10	8.99E-11	3.33E-10	2.93E-11	4.52E-10	1.02E-11	5.84E-11	6.97E-12	7.55E-11	9.27E-12	3.06E-11	2.11E-12	4.19E-11
3959	469352.54	3818796.77	1.09E-10	4.60E-10	4.14E-11	6.11E-10	9.12E-11	3.38E-10	2.97E-11	4.59E-10	1.03E-11	5.92E-11	7.06E-12	7.66E-11	9.40E-12	3.10E-11	2.14E-12	4.25E-11
3960	469356.37	3818788.01	1.11E-10	4.66E-10	4.20E-11	6.19E-10	9.24E-11	3.42E-10	3.01E-11	4.65E-10	1.05E-11	6.00E-11	7.16E-12	7.76E-11	9.53E-12	3.14E-11	2.17E-12	4.31E-11
3961	469360.19	3818779.25	1.12E-10	4.72E-10	4.25E-11	6.27E-10	9.36E-11	3.47E-10	3.05E-11	4.71E-10	1.06E-11	6.07E-11	7.25E-12	7.86E-11	9.64E-12	3.18E-11	2.19E-12	4.36E-11
3962	469364.01	3818770.49	1.14E-10	4.77E-10	4.30E-11	6.34E-10	9.47E-11	3.51E-10	3.08E-11	4.76E-10	1.07E-11	6.14E-11	7.33E-12	7.95E-11	9.76E-12	3.22E-11	2.22E-12	4.41E-11
3963	469367.83	3818761.73	1.15E-10	4.82E-10	4.34E-11	6.41E-10	9.57E-11	3.55E-10	3.12E-11	4.81E-10	1.08E-11	6.21E-11	7.41E-12	8.04E-11	9.86E-12	3.25E-11	2.24E-12	4.46E-11
3964	469371.65	3818752.96	1.16E-10	4.87E-10	4.39E-11	6.47E-10	9.67E-11	3.58E-10	3.15E-11	4.86E-10	1.10E-11	6.27E-11	7.49E-12	8.12E-11	9.96E-12	3.29E-11	2.26E-12	4.51E-11
3965	469375.47	3818744.2	1.17E-10	4.92E-10	4.43E-11	6.54E-10	9.76E-11	3.62E-10	3.18E-11	4.91E-10	1.11E-11	6.33E-11	7.56E-12	8.20E-11	1.01E-11	3.32E-11	2.29E-12	4.55E-11
3966	469379.29	3818735.44	1.18E-10	4.97E-10	4.47E-11	6.60E-10	9.85E-11	3.65E-10	3.21E-11	4.95E-10	1.12E-11	6.39E-11	7.63E-12	8.27E-11	1.02E-11	3.35E-11	2.31E-12	4.59E-11
3967	469383.11	3818726.68	1.19E-10	5.01E-10	4.51E-11	6.65E-10	9.93E-11	3.68E-10	3.24E-11	5.00E-10	1.13E-11	6.45E-11	7.69E-12	8.34E-11	1.02E-11	3.38E-11	2.33E-12	4.63E-11
3968	469386.93	3818717.92	1.20E-10	5.05E-10	4.54E-11	6.70E-10	1.00E-10	3.71E-10	3.26E-11	5.04E-10	1.13E-11	6.50E-11	7.75E-12	8.41E-11	1.03E-11	3.40E-11	2.34E-12	4.67E-11
3969	469390.75	3818709.16	1.21E-10	5.09E-10	4.58E-11	6.75E-10	1.01E-10	3.74E-10	3.29E-11	5.07E-10	1.14E-11	6.55E-11	7.81E-12	8.47E-11	1.04E-11	3.43E-11	2.36E-12	4.70E-11
3970	469394.58	3818700.4	1.22E-10	5.12E-10	4.61E-11	6.80E-10	1.02E-10	3.76E-10	3.31E-11	5.11E-10	1.15E-11	6.59E-11	7.87E-12	8.53E-11	1.05E-11	3.45E-11	2.38E-12	4.74E-11
3971	469398.4	3818691.63	1.23E-10	5.16E-10	4.64E-11	6.85E-10	1.02E-10	3.79E-10	3.33E-11	5.14E-10	1.16E-11	6.64E-11	7.92E-12	8.59E-11	1.05E-11	3.48E-11	2.40E-12	4.77E-11
3972	469402.22	3818682.87	1.24E-10	5.19E-10	4.67E-11	6.89E-10	1.03E-10	3.81E-10	3.35E-11	5.18E-10	1.17E-11	6.68E-11	7.97E-12	8.64E-11	1.06E-11	3.50E-11	2.41E-12	4.80E-11
3973	469406.04	3818674.11	1.24E-10	5.22E-10	4.70E-11	6.93E-10	1.04E-10	3.83E-10	3.37E-11	5.21E-10	1.17E-11	6.72E-11	8.02E-12	8.69E-11	1.07E-11	3.52E-11	2.42E-12	4.83E-11
3974	469409.86	3818665.35	1.25E-10	5.25E-10	4.73E-11	6.97E-10	1.04E-10	3.86E-10	3.39E-11	5.24E-10	1.18E-11	6.75E-11	8.06E-12	8.74E-11	1.07E-11	3.54E-11	2.44E-12	4.85E-11
3975	469413.68	3818656.59	1.26E-10	5.28E-10	4.76E-11	7.01E-10	1.05E-10	3.88E-10	3.41E-11	5.27E-10	1.19E-11	6.80E-11	8.11E-12	8.80E-11	1.08E-11	3.56E-11	2.45E-12	4.88E-11
3976	469417.5	3818647.83	1.26E-10	5.31E-10	4.78E-11	7.05E-10	1.05E-10	3.90E-10	3.43E-11	5.30E-10	1.19E-11	6.83E-11	8.15E-12	8.84E-11	1.08E-11	3.58E-11	2.47E-12	4.91E-11
3977	469421.32	3818639.07	1.27E-10	5.33E-10	4.80E-11	7.08E-10	1.06E-10	3.92E-10	3.45E-11	5.32E-10	1.20E-11	6.87E-11	8.19E-12	8.88E-11	1.09E-11	3.59E-11	2.48E-12	4.93E-11
3978	469425.14	3818630.3	1.28E-10	5.36E-10	4.83E-11	7.12E-10	1.06E-10	3.94E-10	3.46E-11	5.35E-10	1.21E-11	6.90E-11	8.23E-12	8.93E-11	1.10E-11	3.61E-11	2.49E-12	4.96E-11
3979	469428.96	3818621.54	1.28E-10	5.39E-10	4.85E-11	7.16E-10	1.07E-10	3.96E-10	3.48E-11	5.38E-10	1.21E-11	6.94E-11	8.28E-12	8.98E-11	1.10E-11	3.63E-11	2.50E-12	4.98E-11
3980	469432.79	3818612.78	1.29E-10	5.42E-10	4.88E-11	7.19E-10	1.07E-10	3.98E-10	3.50E-11	5.40E-10	1.22E-11	6.97E-11	8.32E-12	9.02E-11	1.11E-11	3.65E-11	2.52E-12	5.01E-11
3981	469436.61	3818604.02	1.30E-10	5.45E-10	4.90E-11	7.23E-10	1.08E-10	4.00E-10	3.52E-11	5.43E-10	1.22E-11	7.01E-11	8.36E-12	9.07E-11	1.11E-11	3.67E-11	2.53E-12	5.04E-11
3982	469440.43	3818595.26	1.30E-10	5.47E-10	4.93E-11	7.26E-10	1.08E-10	4.02E-10	3.54E-11	5.46E-10	1.23E-11	7.04E-11	8.40E-12	9.11E-11	1.12E-11	3.69E-11	2.54E-12	5.06E-11
3983	469444.25	3818586.5	1.31E-10	5.50E-10	4.95E-11	7.31E-10	1.09E-10	4.04E-10	3.56E-11	5.49E-10	1.24E-11	7.08E-11	8.45E-12	9.16E-11	1.12E-11	3.71E-11	2.56E-12	5.09E-11
3984	469448.07	3818577.73	1.32E-10	5.53E-10	4.98E-11	7.34E-10	1.10E-10	4.06E-10	3.57E-11	5.52E-10	1.24E-11	7.12E-11	8.49E-12	9.21E-11	1.13E-11	3.73E-11	2.57E-12	5.11E-11
3985	469451.89	3818568.97	1.32E-10	5.56E-10	5.00E-11	7.38E-10	1.10E-10	4.08E-10	3.59E-11	5.54E-10	1.25E-11	7.15E-11	8.53E-12	9.25E-11	1.14E-11	3.74E-11	2.58E-12	5.14E-11
3986	469464.6	3818556.69	1.35E-10	5.69E-10	5.12E-11	7.55E-10	1.13E-10	4.18E-10	3.68E-11	5.67E-10	1.28E-11	7.32E-11	8.73E-12	9.47E-11	1.16E-11	3.83E-11	2.64E-12	5.26E-11
3987	469473.48	3818553.17	1.38E-10	5.80E-10	5.22E-11	7.70E-10	1.15E-10	4.26E-10	3.75E-11	5.78E-10	1.30E-11	7.46E-11	8.90E-12	9.65E-11	1.18E-11	3.91E-11	2.69E-12	5.36E-11
3988	469482.37	3818549.65	1.41E-10	5.90E-10	5.32E-11	7.84E-10	1.17E-10	4.34E-10	3.82E-11	5.89E-10	1.33E-11	7.60E-11	9.07E-12	9.84E-11	1.21E-11	3.98E-11	2.74E-12	5.46E-11
3989	469509.03	3818539.09	1.48E-10	6.22E-10	5.60E-11	8.27E-10	1.23E-10	4.57E-10	4.02E-11	6.21E-10	1.40E-11	8.01E-11	9.56E-12	1.04E-10	1.27E-11	4.19E-11	2.89E-12	5.76E-11
3990	469517.92	3818535.57	1.51E-10	6.33E-10	5.70E-11	8.40E-10	1.26E-10	4.65E-10	4.09E-11	6.31E-10	1.42E-11	8.15E-11	9.72E-12	1.05E-10	1.29E-11	4.26E-11	2.94E-12	5.85E-11
3991	469526.81	3818532.05	1.53E-10	6.42E-10	5.79E-11	8.53E-10	1.27E-10	4.72E-10	4.15E-11	6.41E-10	1.44E-11	8.27E-11	9.87E-12	1.07E-10	1.31E-11	4.33E-11	2.98E-12	5.94E-11
3992	469535.69	3818528.53	1.55E-10	6.52E-10	5.87E-11	8.66E-10	1.29E-10	4.79E-10	4.21E-11	6.51E-10	1.47E-11	8.39E-11	1.00E-11	1.09E-10	1.33E-11	4.40E-11	3.03E-12	6.03E-11
3993	469544.58	3818525.01	1.58E-10	6.61E-10	5.96E-11	8.79E-10	1.31E-10	4.86E-10	4.28E-11	6.60E-10	1.49E-11	8.51E-11	1.02E-11	1.10E-10	1.35E-11	4.46E-11	3.07E-12	6.12E-11
3994	469553.47	3818521.5	1.60E-10	6.71E-10	6.04E-11	8.91E-10	1.33E-10	4.93E-10	4.34E-11	6.69E-10	1.51E-11	8.64E-11	1.03E-11	1.12E-10	1.37E-11	4.52E-11	3.12E-12	6.20E-11
3995	469562.35	3818517.98	1.62E-10	6.80E-10	6.12E-11	9.03E-10	1.35E-10	5.00E-10	4.40E-11	6.78E-10	1.53E-11	8.75E-11	1.04E-11	1.13E-10	1.39E-11	4.58E-11	3.16E-12	6.29E-11
3996	469571.24	3818514.46	1.64E-10	6.89E-10	6.21E-11	9.15E-10	1.37E-10	5.06E-10	4.45E-11	6.88E-10	1.55E-11	8.87E-11	1.06E-11	1.15E-10	1.41E-11	4.64E-11	3.20E-12	6.37E-11

3997	469580.13	3818510.94	1.66E-10	6.97E-10	6.28E-11	9.26E-10	1.38E-10	5.12E-10	4.51E-11	6.96E-10	1.57E-11	8.98E-11	1.07E-11	1.16E-10	1.43E-11	4.70E-11	3.24E-12	6.45E-11
3998	469589.01	3818507.42	1.68E-10	7.05E-10	6.35E-11	9.37E-10	1.40E-10	5.18E-10	4.56E-11	7.04E-10	1.59E-11	9.08E-11	1.08E-11	1.17E-10	1.44E-11	4.75E-11	3.28E-12	6.52E-11
3999	469597.9	3818503.9	1.70E-10	7.13E-10	6.42E-11	9.47E-10	1.41E-10	5.24E-10	4.61E-11	7.12E-10	1.60E-11	9.18E-11	1.10E-11	1.19E-10	1.46E-11	4.81E-11	3.31E-12	6.60E-11
4000	469606.79	3818500.38	1.72E-10	7.20E-10	6.49E-11	9.57E-10	1.43E-10	5.29E-10	4.66E-11	7.19E-10	1.62E-11	9.27E-11	1.11E-11	1.20E-10	1.47E-11	4.86E-11	3.35E-12	6.66E-11
4001	469615.67	3818496.86	1.73E-10	7.28E-10	6.55E-11	9.67E-10	1.44E-10	5.35E-10	4.70E-11	7.26E-10	1.64E-11	9.37E-11	1.12E-11	1.21E-10	1.49E-11	4.91E-11	3.38E-12	6.73E-11
4002	469624.56	3818493.34	1.75E-10	7.35E-10	6.62E-11	9.76E-10	1.46E-10	5.40E-10	4.75E-11	7.33E-10	1.65E-11	9.46E-11	1.13E-11	1.22E-10	1.50E-11	4.95E-11	3.41E-12	6.80E-11
4003	469633.45	3818489.82	1.77E-10	7.42E-10	6.68E-11	9.85E-10	1.47E-10	5.45E-10	4.80E-11	7.40E-10	1.67E-11	9.55E-11	1.14E-11	1.24E-10	1.52E-11	5.00E-11	3.45E-12	6.86E-11
4004	469642.33	3818486.3	1.78E-10	7.49E-10	6.75E-11	9.95E-10	1.49E-10	5.50E-10	4.84E-11	7.47E-10	1.68E-11	9.64E-11	1.15E-11	1.25E-10	1.53E-11	5.05E-11	3.48E-12	6.93E-11
4005	469651.22	3818482.78	1.80E-10	7.56E-10	6.81E-11	1.00E-09	1.50E-10	5.55E-10	4.89E-11	7.54E-10	1.70E-11	9.73E-11	1.16E-11	1.26E-10	1.55E-11	5.10E-11	3.51E-12	6.99E-11
4006	469660.11	3818479.26	1.82E-10	7.62E-10	6.87E-11	1.01E-09	1.51E-10	5.60E-10	4.93E-11	7.61E-10	1.71E-11	9.81E-11	1.17E-11	1.27E-10	1.56E-11	5.14E-11	3.54E-12	7.05E-11
4007	469668.99	3818475.74	1.83E-10	7.70E-10	6.93E-11	1.02E-09	1.53E-10	5.66E-10	4.98E-11	7.68E-10	1.73E-11	9.91E-11	1.18E-11	1.28E-10	1.57E-11	5.19E-11	3.58E-12	7.12E-11
4008	469677.88	3818472.22	1.85E-10	7.77E-10	7.00E-11	1.03E-09	1.54E-10	5.71E-10	5.02E-11	7.76E-10	1.75E-11	1.00E-10	1.19E-11	1.29E-10	1.59E-11	5.24E-11	3.61E-12	7.19E-11
4009	469713.43	3818458.14	1.92E-10	8.06E-10	7.26E-11	1.07E-09	1.60E-10	5.92E-10	5.21E-11	8.04E-10	1.81E-11	1.04E-10	1.24E-11	1.34E-10	1.65E-11	5.43E-11	3.74E-12	7.45E-11
4010	469722.31	3818454.62	1.94E-10	8.13E-10	7.32E-11	1.08E-09	1.61E-10	5.97E-10	5.26E-11	8.11E-10	1.83E-11	1.05E-10	1.25E-11	1.35E-10	1.66E-11	5.48E-11	3.78E-12	7.52E-11
4011	469731.2	3818451.1	1.95E-10	8.20E-10	7.38E-11	1.09E-09	1.63E-10	6.02E-10	5.30E-11	8.18E-10	1.84E-11	1.06E-10	1.26E-11	1.37E-10	1.68E-11	5.53E-11	3.81E-12	7.58E-11
4012	469740.09	3818447.58	1.97E-10	8.27E-10	7.44E-11	1.10E-09	1.64E-10	6.07E-10	5.34E-11	8.25E-10	1.86E-11	1.06E-10	1.27E-11	1.38E-10	1.69E-11	5.57E-11	3.84E-12	7.65E-11
4013	469748.97	3818444.06	1.98E-10	8.33E-10	7.51E-11	1.11E-09	1.65E-10	6.12E-10	5.39E-11	8.32E-10	1.87E-11	1.07E-10	1.28E-11	1.39E-10	1.70E-11	5.62E-11	3.87E-12	7.71E-11
4014	469757.86	3818440.54	2.00E-10	8.40E-10	7.56E-11	1.12E-09	1.67E-10	6.17E-10	5.43E-11	8.38E-10	1.89E-11	1.08E-10	1.29E-11	1.40E-10	1.72E-11	5.66E-11	3.90E-12	7.77E-11
4015	469828.96	3818412.38	2.11E-10	8.88E-10	8.00E-11	1.18E-09	1.76E-10	6.52E-10	5.74E-11	8.86E-10	2.00E-11	1.14E-10	1.36E-11	1.48E-10	1.82E-11	5.99E-11	4.13E-12	8.21E-11
4016	469837.84	3818408.86	2.12E-10	8.92E-10	8.03E-11	1.18E-09	1.77E-10	6.55E-10	5.77E-11	8.90E-10	2.01E-11	1.15E-10	1.37E-11	1.49E-10	1.82E-11	6.01E-11	4.14E-12	8.25E-11
4017	469846.73	3818405.34	2.13E-10	8.96E-10	8.07E-11	1.19E-09	1.78E-10	6.58E-10	5.79E-11	8.94E-10	2.01E-11	1.15E-10	1.38E-11	1.49E-10	1.83E-11	6.04E-11	4.16E-12	8.29E-11
4018	469855.62	3818401.82	2.14E-10	8.99E-10	8.10E-11	1.19E-09	1.78E-10	6.61E-10	5.81E-11	8.97E-10	2.02E-11	1.16E-10	1.38E-11	1.50E-10	1.84E-11	6.06E-11	4.18E-12	8.32E-11
4019	469864.5	3818398.31	2.15E-10	9.03E-10	8.13E-11	1.20E-09	1.79E-10	6.63E-10	5.84E-11	9.01E-10	2.03E-11	1.16E-10	1.39E-11	1.50E-10	1.85E-11	6.09E-11	4.19E-12	8.35E-11
4020	469873.39	3818394.79	2.16E-10	9.06E-10	8.16E-11	1.20E-09	1.80E-10	6.66E-10	5.86E-11	9.04E-10	2.04E-11	1.17E-10	1.39E-11	1.51E-10	1.85E-11	6.11E-11	4.21E-12	8.38E-11
4021	469882.28	3818391.27	2.16E-10	9.09E-10	8.18E-11	1.21E-09	1.80E-10	6.68E-10	5.87E-11	9.07E-10	2.04E-11	1.17E-10	1.40E-11	1.51E-10	1.86E-11	6.13E-11	4.22E-12	8.41E-11
4022	469891.16	3818387.75	2.17E-10	9.11E-10	8.21E-11	1.21E-09	1.81E-10	6.70E-10	5.89E-11	9.09E-10	2.05E-11	1.17E-10	1.40E-11	1.52E-10	1.86E-11	6.14E-11	4.23E-12	8.43E-11
4023	469900.05	3818384.23	2.18E-10	9.14E-10	8.23E-11	1.21E-09	1.81E-10	6.72E-10	5.91E-11	9.12E-10	2.06E-11	1.18E-10	1.40E-11	1.52E-10	1.87E-11	6.16E-11	4.25E-12	8.46E-11
4024	469908.94	3818380.71	2.18E-10	9.17E-10	8.26E-11	1.22E-09	1.82E-10	6.74E-10	5.93E-11	9.15E-10	2.06E-11	1.18E-10	1.41E-11	1.53E-10	1.88E-11	6.18E-11	4.26E-12	8.49E-11
4025	469917.82	3818377.19	2.19E-10	9.20E-10	8.29E-11	1.22E-09	1.83E-10	6.76E-10	5.95E-11	9.18E-10	2.07E-11	1.18E-10	1.41E-11	1.53E-10	1.88E-11	6.20E-11	4.28E-12	8.51E-11
4026	469926.71	3818373.67	2.20E-10	9.24E-10	8.32E-11	1.23E-09	1.83E-10	6.79E-10	5.97E-11	9.22E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.23E-11	4.29E-12	8.54E-11
4027	469935.6	3818370.15	2.21E-10	9.27E-10	8.35E-11	1.23E-09	1.84E-10	6.81E-10	5.99E-11	9.25E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.90E-11	6.25E-11	4.31E-12	8.57E-11
4028	469944.48	3818366.63	2.22E-10	9.31E-10	8.38E-11	1.24E-09	1.85E-10	6.84E-10	6.02E-11	9.29E-10	2.09E-11	1.20E-10	1.43E-11	1.55E-10	1.90E-11	6.27E-11	4.32E-12	8.61E-11
4029	469953.37	3818363.11	2.23E-10	9.35E-10	8.42E-11	1.24E-09	1.85E-10	6.87E-10	6.04E-11	9.33E-10	2.10E-11	1.20E-10	1.44E-11	1.56E-10	1.91E-11	6.30E-11	4.34E-12	8.64E-11
4030	469962.26	3818359.59	2.24E-10	9.39E-10	8.46E-11	1.25E-09	1.86E-10	6.90E-10	6.07E-11	9.37E-10	2.11E-11	1.21E-10	1.44E-11	1.56E-10	1.92E-11	6.33E-11	4.36E-12	8.69E-11
4031	469971.14	3818356.07	2.25E-10	9.44E-10	8.50E-11	1.25E-09	1.87E-10	6.93E-10	6.10E-11	9.41E-10	2.12E-11	1.21E-10	1.45E-11	1.57E-10	1.93E-11	6.36E-11	4.38E-12	8.73E-11
4032	469980.03	3818352.55	2.26E-10	9.49E-10	8.54E-11	1.26E-09	1.88E-10	6.97E-10	6.13E-11	9.47E-10	2.13E-11	1.22E-10	1.46E-11	1.58E-10	1.94E-11	6.39E-11	4.41E-12	8.77E-11
4033	469988.92	3818349.03	2.27E-10	9.54E-10	8.59E-11	1.27E-09	1.89E-10	7.01E-10	6.17E-11	9.52E-10	2.15E-11	1.23E-10	1.47E-11	1.59E-10	1.95E-11	6.43E-11	4.43E-12	8.82E-11
4034	469997.8	3818345.51	2.28E-10	9.59E-10	8.64E-11	1.27E-09	1.90E-10	7.05E-10	6.20E-11	9.57E-10	2.16E-11	1.24E-10	1.47E-11	1.60E-10	1.96E-11	6.47E-11	4.46E-12	8.87E-11
4035	470006.69	3818341.99	2.30E-10	9.65E-10	8.69E-11	1.28E-09	1.91E-10	7.09E-10	6.24E-11	9.63E-10	2.17E-11	1.24E-10	1.48E-11	1.61E-10	1.97E-11	6.51E-11	4.49E-12	8.93E-11
4036	470033.35	3818331.43	2.35E-10	9.85E-10	8.87E-11	1.31E-09	1.95E-10	7.24E-10	6.37E-11	9.83E-10	2.22E-11	1.27E-10	1.51E-11	1.64E-10	2.01E-11	6.64E-11	4.58E-12	9.11E-11
4037	470042.24	3818327.91	2.36E-10	9.92E-10	8.93E-11	1.32E-09	1.97E-10	7.29E-10	6.41E-11	9.90E-10	2.23E-11	1.28E-10	1.52E-11	1.65E-10	2.03E-11	6.68E-11	4.61E-12	9.17E-11
4038	470051.13	3818324.39	2.38E-10	9.98E-10	8.98E-11	1.32E-09	1.98E-10	7.33E-10	6.45E-11	9.95E-10	2.24E-11	1.28E-10	1.53E-11	1.66E-10	2.04E-11	6.72E-11	4.63E-12	9.23E-11
4039	470060.01	3818320.87	2.39E-10	1.00E-09	9.02E-11	1.33E-09	1.99E-10	7.36E-10	6.48E-11	1.00E-09	2.25E-11	1.29E-10	1.54E-11	1.67E-10	2.05E-11	6.75E-11	4.66E-12	9.27E-11
4040	470068.9	3818317.35	2.39E-10	1.01E-09	9.06E-11	1.34E-09	1.99E-10	7.39E-10	6.50E-11	1.00E-09	2.26E-11	1.29E-10	1.54E-11	1.68E-10	2.06E-11	6.78E-11	4.67E-12	9.30E-11
4041	470077.79	3818313.83	2.40E-10	1.01E-09	9.08E-11	1.34E-09	2.00E-10	7.41E-10	6.52E-11	1.01E-09	2.27E-11	1.30E-10	1.55E-11	1.68E-10	2.06E-11	6.80E-11	4.69E-12	9.33E-11
4042	470086.67	3818310.31	2.41E-10	1.01E-09	9.10E-11	1.34E-09	2.00E-10	7.42E-10	6.53E-11	1.01E-09	2.27E-11	1.30E-10	1.55E-11	1.68E-10	2.07E-11	6.81E-11	4.69E-12	9.34E-11
4043	470095.56	3818306.79	2.41E-10	1.01E-09	9.10E-11	1.34E-09	2.00E-10	7.42E-10	6.53E-11	1.01E-09	2.27E-11	1.30E-10	1.55E-11	1.68E-10	2.07E-11	6.81E-11	4.69E-12	9.34E-11
4044	470104.45	3818303.27	2.40E-10	1.01E-09	9.08E-11	1.34E-09	2.00E-10	7.41E-10	6.52E-11	1.01E-09	2.27E-11	1.30E-10	1.55E-11	1.68E-10	2.06E-11	6.80E-11	4.69E-12	9.33E-11
4045	470113.33	3818299.75	2.40E-10	1.01E-09	9.06E-11	1.34E-09	2.00E-10	7.39E-10	6.50E-11	1.00E-09	2.26E-11	1.29E-10	1.54E-11	1.68E-10	2.06E-11	6.78E-11	4.67E-12	9.30E-11
4046	469168.75	3819236.62	6.83E-11	2.87E-10	2.58E-11	3.81E-10	5.69E-11	2.11E-10	1.85E-11	2.86E-10	6.45E-12	3.69E-11	4.40E-12	4.78E-11	5.86E-12	1.93E-11	1.33E-12	2.65E-11

4047	469168.56	3819246.27	6.94E-11	2.91E-10	2.62E-11	3.87E-10	5.78E-11	2.14E-10	1.88E-11	2.91E-10	6.55E-12	3.75E-11	4.48E-12	4.85E-11	5.96E-12	1.96E-11	1.35E-12	2.70E-11
4048	469168.37	3819255.92	7.05E-11	2.96E-10	2.67E-11	3.93E-10	5.87E-11	2.18E-10	1.91E-11	2.95E-10	6.66E-12	3.81E-11	4.55E-12	4.93E-11	6.05E-12	2.00E-11	1.38E-12	2.74E-11
4049	469168.17	3819265.56	7.16E-11	3.01E-10	2.71E-11	4.00E-10	5.97E-11	2.21E-10	1.94E-11	3.00E-10	6.76E-12	3.87E-11	4.62E-12	5.01E-11	6.15E-12	2.03E-11	1.40E-12	2.78E-11
4050	469167.98	3819275.21	7.28E-11	3.06E-10	2.75E-11	4.06E-10	6.06E-11	2.25E-10	1.98E-11	3.05E-10	6.87E-12	3.93E-11	4.69E-12	5.09E-11	6.25E-12	2.06E-11	1.42E-12	2.83E-11
4051	469167.79	3819284.86	7.39E-11	3.10E-10	2.79E-11	4.12E-10	6.15E-11	2.28E-10	2.01E-11	3.10E-10	6.98E-12	3.99E-11	4.77E-12	5.17E-11	6.34E-12	2.09E-11	1.44E-12	2.87E-11
4052	469167.59	3819294.51	7.51E-11	3.15E-10	2.84E-11	4.19E-10	6.25E-11	2.32E-10	2.04E-11	3.15E-10	7.09E-12	4.06E-11	4.84E-12	5.25E-11	6.44E-12	2.12E-11	1.46E-12	2.92E-11
4053	469167.4	3819304.16	7.62E-11	3.20E-10	2.88E-11	4.25E-10	6.34E-11	2.35E-10	2.07E-11	3.19E-10	7.19E-12	4.12E-11	4.91E-12	5.33E-11	6.54E-12	2.16E-11	1.49E-12	2.96E-11
4054	469167.21	3819313.8	7.72E-11	3.24E-10	2.92E-11	4.31E-10	6.43E-11	2.38E-10	2.10E-11	3.24E-10	7.29E-12	4.18E-11	4.98E-12	5.40E-11	6.63E-12	2.19E-11	1.51E-12	3.00E-11
4055	469167.01	3819323.45	7.83E-11	3.29E-10	2.96E-11	4.37E-10	6.53E-11	2.42E-10	2.13E-11	3.28E-10	7.40E-12	4.24E-11	5.05E-12	5.48E-11	6.73E-12	2.22E-11	1.53E-12	3.04E-11
4056	469166.82	3819333.1	7.94E-11	3.33E-10	3.00E-11	4.43E-10	6.61E-11	2.45E-10	2.16E-11	3.33E-10	7.50E-12	4.29E-11	5.12E-12	5.55E-11	6.82E-12	2.25E-11	1.55E-12	3.08E-11
4057	469166.63	3819342.75	8.05E-11	3.38E-10	3.04E-11	4.49E-10	6.70E-11	2.48E-10	2.18E-11	3.37E-10	7.60E-12	4.35E-11	5.19E-12	5.63E-11	6.91E-12	2.28E-11	1.57E-12	3.13E-11
4058	469166.43	3819352.4	8.19E-11	3.44E-10	3.10E-11	4.57E-10	6.82E-11	2.53E-10	2.22E-11	3.43E-10	7.73E-12	4.43E-11	5.28E-12	5.73E-11	7.03E-12	2.32E-11	1.60E-12	3.18E-11
4059	469166.24	3819362.05	8.31E-11	3.49E-10	3.14E-11	4.64E-10	6.92E-11	2.57E-10	2.26E-11	3.48E-10	7.85E-12	4.49E-11	5.36E-12	5.82E-11	7.14E-12	2.35E-11	1.62E-12	3.23E-11
4060	469166.05	3819371.69	8.44E-11	3.54E-10	3.19E-11	4.71E-10	7.03E-11	2.60E-10	2.29E-11	3.54E-10	7.97E-12	4.56E-11	5.44E-12	5.90E-11	7.24E-12	2.39E-11	1.65E-12	3.28E-11
4061	469165.85	3819381.34	8.58E-11	3.60E-10	3.25E-11	4.79E-10	7.15E-11	2.65E-10	2.33E-11	3.60E-10	8.10E-12	4.64E-11	5.53E-12	6.00E-11	7.37E-12	2.43E-11	1.67E-12	3.33E-11
4062	469165.66	3819390.99	8.72E-11	3.66E-10	3.30E-11	4.87E-10	7.27E-11	2.69E-10	2.37E-11	3.66E-10	8.24E-12	4.72E-11	5.63E-12	6.10E-11	7.49E-12	2.47E-11	1.70E-12	3.39E-11
4063	469165.47	3819400.64	8.88E-11	3.73E-10	3.36E-11	4.95E-10	7.40E-11	2.74E-10	2.41E-11	3.72E-10	8.38E-12	4.80E-11	5.73E-12	6.21E-11	7.62E-12	2.51E-11	1.73E-12	3.45E-11
4064	469165.27	3819410.29	9.03E-11	3.79E-10	3.41E-11	5.04E-10	7.52E-11	2.79E-10	2.45E-11	3.78E-10	8.53E-12	4.88E-11	5.82E-12	6.32E-11	7.75E-12	2.56E-11	1.76E-12	3.51E-11
4065	469165.08	3819419.93	9.18E-11	3.85E-10	3.47E-11	5.12E-10	7.64E-11	2.83E-10	2.49E-11	3.85E-10	8.67E-12	4.96E-11	5.92E-12	6.42E-11	7.88E-12	2.60E-11	1.79E-12	3.56E-11
4066	469164.89	3819429.58	9.33E-11	3.92E-10	3.53E-11	5.21E-10	7.77E-11	2.88E-10	2.53E-11	3.91E-10	8.81E-12	5.05E-11	6.02E-12	6.53E-11	8.01E-12	2.64E-11	1.82E-12	3.62E-11
4067	469096.83	3819198.12	5.60E-11	2.35E-10	2.12E-11	3.12E-10	4.66E-11	1.73E-10	1.52E-11	2.35E-10	5.29E-12	3.03E-11	3.61E-12	3.92E-11	4.81E-12	1.58E-11	1.09E-12	2.17E-11
4068	469100.67	3819189.31	5.56E-11	2.34E-10	2.10E-11	3.10E-10	4.63E-11	1.72E-10	1.51E-11	2.33E-10	5.25E-12	3.01E-11	3.59E-12	3.89E-11	4.77E-12	1.57E-11	1.09E-12	2.16E-11
4069	469104.51	3819180.51	5.52E-11	2.32E-10	2.09E-11	3.08E-10	4.60E-11	1.70E-10	1.50E-11	2.31E-10	5.22E-12	2.99E-11	3.56E-12	3.86E-11	4.74E-12	1.56E-11	1.08E-12	2.15E-11
4070	469108.35	3819171.71	5.49E-11	2.31E-10	2.08E-11	3.06E-10	4.57E-11	1.69E-10	1.49E-11	2.30E-10	5.19E-12	2.97E-11	3.54E-12	3.84E-11	4.72E-12	1.55E-11	1.07E-12	2.13E-11
4071	469112.19	3819162.9	5.47E-11	2.30E-10	2.07E-11	3.05E-10	4.55E-11	1.69E-10	1.48E-11	2.29E-10	5.16E-12	2.96E-11	3.53E-12	3.82E-11	4.69E-12	1.55E-11	1.07E-12	2.12E-11
4072	469116.03	3819154.1	5.44E-11	2.29E-10	2.06E-11	3.04E-10	4.53E-11	1.68E-10	1.48E-11	2.28E-10	5.14E-12	2.94E-11	3.51E-12	3.81E-11	4.67E-12	1.54E-11	1.06E-12	2.11E-11
4073	469119.87	3819145.3	5.42E-11	2.28E-10	2.05E-11	3.02E-10	4.51E-11	1.67E-10	1.47E-11	2.27E-10	5.12E-12	2.93E-11	3.49E-12	3.79E-11	4.65E-12	1.53E-11	1.06E-12	2.10E-11
4074	469123.71	3819136.49	5.40E-11	2.27E-10	2.04E-11	3.01E-10	4.50E-11	1.67E-10	1.47E-11	2.26E-10	5.10E-12	2.92E-11	3.48E-12	3.78E-11	4.64E-12	1.53E-11	1.05E-12	2.10E-11
4075	469127.54	3819127.69	5.40E-11	2.27E-10	2.04E-11	3.01E-10	4.50E-11	1.67E-10	1.47E-11	2.26E-10	5.10E-12	2.92E-11	3.48E-12	3.78E-11	4.64E-12	1.53E-11	1.05E-12	2.10E-11
4076	469131.38	3819118.89	5.40E-11	2.27E-10	2.04E-11	3.01E-10	4.50E-11	1.67E-10	1.47E-11	2.26E-10	5.10E-12	2.92E-11	3.48E-12	3.78E-11	4.64E-12	1.53E-11	1.05E-12	2.10E-11
4077	469135.22	3819110.09	5.41E-11	2.27E-10	2.04E-11	3.02E-10	4.50E-11	1.67E-10	1.47E-11	2.27E-10	5.10E-12	2.92E-11	3.49E-12	3.78E-11	4.64E-12	1.53E-11	1.05E-12	2.10E-11
4078	469139.06	3819101.28	5.41E-11	2.27E-10	2.05E-11	3.02E-10	4.51E-11	1.67E-10	1.47E-11	2.27E-10	5.11E-12	2.93E-11	3.49E-12	3.79E-11	4.65E-12	1.53E-11	1.06E-12	2.10E-11
4079	469142.9	3819092.48	5.43E-11	2.28E-10	2.05E-11	3.03E-10	4.52E-11	1.68E-10	1.47E-11	2.28E-10	5.13E-12	2.94E-11	3.50E-12	3.80E-11	4.66E-12	1.54E-11	1.06E-12	2.11E-11
4080	469146.74	3819083.68	5.46E-11	2.29E-10	2.06E-11	3.04E-10	4.54E-11	1.68E-10	1.48E-11	2.29E-10	5.15E-12	2.95E-11	3.52E-12	3.82E-11	4.68E-12	1.54E-11	1.06E-12	2.12E-11
4081	469150.58	3819074.87	5.49E-11	2.30E-10	2.07E-11	3.06E-10	4.57E-11	1.69E-10	1.49E-11	2.30E-10	5.18E-12	2.97E-11	3.54E-12	3.84E-11	4.71E-12	1.55E-11	1.07E-12	2.13E-11
4082	469154.42	3819066.07	5.52E-11	2.32E-10	2.09E-11	3.08E-10	4.60E-11	1.70E-10	1.50E-11	2.31E-10	5.22E-12	2.99E-11	3.56E-12	3.86E-11	4.74E-12	1.56E-11	1.08E-12	2.15E-11
4083	469158.26	3819057.27	5.56E-11	2.34E-10	2.10E-11	3.10E-10	4.63E-11	1.72E-10	1.51E-11	2.33E-10	5.25E-12	3.01E-11	3.59E-12	3.89E-11	4.77E-12	1.57E-11	1.09E-12	2.16E-11
4084	469162.1	3819048.47	5.60E-11	2.35E-10	2.12E-11	3.13E-10	4.67E-11	1.73E-10	1.52E-11	2.35E-10	5.29E-12	3.03E-11	3.61E-12	3.92E-11	4.81E-12	1.59E-11	1.09E-12	2.18E-11
4085	469165.94	3819039.66	5.66E-11	2.38E-10	2.14E-11	3.16E-10	4.71E-11	1.75E-10	1.54E-11	2.37E-10	5.35E-12	3.06E-11	3.65E-12	3.96E-11	4.86E-12	1.60E-11	1.10E-12	2.20E-11
4086	469169.77	3819030.86	5.72E-11	2.40E-10	2.16E-11	3.19E-10	4.76E-11	1.76E-10	1.55E-11	2.40E-10	5.40E-12	3.09E-11	3.69E-12	4.00E-11	4.91E-12	1.62E-11	1.12E-12	2.22E-11
4087	469173.61	3819022.06	5.78E-11	2.43E-10	2.19E-11	3.22E-10	4.81E-11	1.78E-10	1.57E-11	2.42E-10	5.46E-12	3.12E-11	3.73E-12	4.04E-11	4.96E-12	1.64E-11	1.13E-12	2.24E-11
4088	469177.45	3819013.25	5.84E-11	2.45E-10	2.21E-11	3.26E-10	4.86E-11	1.80E-10	1.59E-11	2.45E-10	5.52E-12	3.16E-11	3.77E-12	4.09E-11	5.01E-12	1.65E-11	1.14E-12	2.27E-11
4089	469181.29	3819004.45	5.92E-11	2.48E-10	2.24E-11	3.30E-10	4.93E-11	1.83E-10	1.61E-11	2.48E-10	5.59E-12	3.20E-11	3.82E-12	4.14E-11	5.08E-12	1.67E-11	1.15E-12	2.30E-11
4090	469185.13	3818995.65	6.00E-11	2.52E-10	2.27E-11	3.34E-10	4.99E-11	1.85E-10	1.63E-11	2.51E-10	5.66E-12	3.24E-11	3.87E-12	4.19E-11	5.15E-12	1.70E-11	1.17E-12	2.33E-11
4091	469188.97	3818986.85	6.08E-11	2.55E-10	2.30E-11	3.39E-10	5.06E-11	1.88E-10	1.65E-11	2.55E-10	5.74E-12	3.29E-11	3.92E-12	4.25E-11	5.22E-12	1.72E-11	1.19E-12	2.36E-11
4092	469192.81	3818978.04	6.16E-11	2.59E-10	2.33E-11	3.43E-10	5.13E-11	1.90E-10	1.67E-11	2.58E-10	5.81E-12	3.33E-11	3.97E-12	4.31E-11	5.29E-12	1.74E-11	1.20E-12	2.39E-11
4093	469196.65	3818969.24	6.25E-11	2.62E-10	2.36E-11	3.49E-10	5.21E-11	1.93E-10	1.70E-11	2.62E-10	5.90E-12	3.38E-11	4.03E-12	4.37E-11	5.37E-12	1.77E-11	1.22E-12	2.43E-11
4094	469200.49	3818960.44	6.35E-11	2.67E-10	2.40E-11	3.54E-10	5.29E-11	1.96E-10	1.72E-11	2.66E-10	6.00E-12	3.43E-11	4.10E-12	4.44E-11	5.45E-12	1.80E-11	1.24E-12	2.47E-11
4095	469204.33	3818951.63	6.45E-11	2.71E-10	2.44E-11	3.60E-10	5.37E-11	1.99E-10	1.75E-11	2.70E-10	6.09E-12	3.49E-11	4.16E-12	4.51E-11	5.54E-12	1.83E-11	1.26E-12	2.51E-11
4096	469208.16	3818942.83	6.56E-11	2.75E-10	2.48E-11	3.66E-10	5.46E-11	2.02E-10	1.78E-11	2.75E-10	6.19E-12	3.54E-11	4.23E-12	4.59E-11	5.63E-12	1.86E-11	1.28E-12	2.55E-11

4097	469212	3818934.03	6.65E-11	2.79E-10	2.52E-11	3.71E-10	5.54E-11	2.05E-10	1.81E-11	2.79E-10	6.28E-12	3.60E-11	4.29E-12	4.65E-11	5.71E-12	1.88E-11	1.30E-12	2.58E-11
4098	469215.84	3818925.23	6.77E-11	2.84E-10	2.56E-11	3.77E-10	5.64E-11	2.09E-10	1.84E-11	2.84E-10	6.39E-12	3.66E-11	4.36E-12	4.73E-11	5.81E-12	1.92E-11	1.32E-12	2.63E-11
4099	469219.68	3818916.42	6.89E-11	2.89E-10	2.61E-11	3.84E-10	5.74E-11	2.13E-10	1.87E-11	2.89E-10	6.51E-12	3.73E-11	4.44E-12	4.82E-11	5.92E-12	1.95E-11	1.34E-12	2.68E-11
4100	469223.52	3818907.62	7.02E-11	2.95E-10	2.66E-11	3.92E-10	5.85E-11	2.17E-10	1.91E-11	2.94E-10	6.63E-12	3.80E-11	4.53E-12	4.91E-11	6.03E-12	1.99E-11	1.37E-12	2.73E-11
4101	469227.36	3818898.82	7.16E-11	3.01E-10	2.71E-11	3.99E-10	5.96E-11	2.21E-10	1.94E-11	3.00E-10	6.76E-12	3.87E-11	4.62E-12	5.01E-11	6.14E-12	2.03E-11	1.40E-12	2.78E-11
4102	469231.2	3818890.01	7.29E-11	3.06E-10	2.76E-11	4.07E-10	6.08E-11	2.25E-10	1.98E-11	3.06E-10	6.89E-12	3.94E-11	4.71E-12	5.10E-11	6.26E-12	2.06E-11	1.42E-12	2.83E-11
4103	469235.04	3818881.21	7.44E-11	3.12E-10	2.81E-11	4.15E-10	6.19E-11	2.30E-10	2.02E-11	3.12E-10	7.02E-12	4.02E-11	4.80E-12	5.20E-11	6.38E-12	2.11E-11	1.45E-12	2.89E-11
4104	469238.88	3818872.41	7.58E-11	3.18E-10	2.87E-11	4.23E-10	6.31E-11	2.34E-10	2.06E-11	3.18E-10	7.16E-12	4.10E-11	4.89E-12	5.30E-11	6.51E-12	2.15E-11	1.48E-12	2.94E-11
4105	469242.72	3818863.61	7.73E-11	3.25E-10	2.92E-11	4.31E-10	6.44E-11	2.39E-10	2.10E-11	3.24E-10	7.30E-12	4.18E-11	4.99E-12	5.41E-11	6.64E-12	2.19E-11	1.51E-12	3.00E-11
4106	469246.55	3818854.8	7.87E-11	3.31E-10	2.98E-11	4.39E-10	6.56E-11	2.43E-10	2.14E-11	3.30E-10	7.43E-12	4.26E-11	5.08E-12	5.51E-11	6.76E-12	2.23E-11	1.54E-12	3.06E-11
4107	469250.39	3818846	8.02E-11	3.37E-10	3.03E-11	4.47E-10	6.68E-11	2.48E-10	2.18E-11	3.36E-10	7.57E-12	4.34E-11	5.17E-12	5.61E-11	6.89E-12	2.27E-11	1.57E-12	3.12E-11
4108	469254.23	3818837.2	8.17E-11	3.43E-10	3.09E-11	4.56E-10	6.81E-11	2.52E-10	2.22E-11	3.42E-10	7.72E-12	4.42E-11	5.27E-12	5.72E-11	7.01E-12	2.31E-11	1.59E-12	3.17E-11
4109	469277.27	3818784.38	9.03E-11	3.79E-10	3.41E-11	5.04E-10	7.52E-11	2.79E-10	2.45E-11	3.78E-10	8.53E-12	4.88E-11	5.82E-12	6.32E-11	7.75E-12	2.56E-11	1.76E-12	3.51E-11
4110	469281.11	3818775.58	9.16E-11	3.85E-10	3.46E-11	5.11E-10	7.63E-11	2.83E-10	2.49E-11	3.84E-10	8.65E-12	4.95E-11	5.91E-12	6.41E-11	7.86E-12	2.59E-11	1.79E-12	3.56E-11
4111	469284.95	3818766.77	9.29E-11	3.90E-10	3.51E-11	5.18E-10	7.74E-11	2.87E-10	2.52E-11	3.89E-10	8.77E-12	5.02E-11	5.99E-12	6.50E-11	7.97E-12	2.63E-11	1.81E-12	3.61E-11
4112	469288.78	3818757.97	9.41E-11	3.95E-10	3.56E-11	5.25E-10	7.84E-11	2.90E-10	2.56E-11	3.94E-10	8.89E-12	5.09E-11	6.07E-12	6.58E-11	8.08E-12	2.66E-11	1.84E-12	3.66E-11
4113	469292.62	3818749.17	9.53E-11	4.00E-10	3.60E-11	5.32E-10	7.94E-11	2.94E-10	2.59E-11	3.99E-10	9.00E-12	5.15E-11	6.15E-12	6.67E-11	8.18E-12	2.70E-11	1.86E-12	3.70E-11
4114	469296.46	3818740.36	9.64E-11	4.05E-10	3.65E-11	5.38E-10	8.03E-11	2.98E-10	2.62E-11	4.04E-10	9.11E-12	5.21E-11	6.22E-12	6.75E-11	8.28E-12	2.73E-11	1.88E-12	3.75E-11
4115	469300.3	3818731.56	9.75E-11	4.09E-10	3.69E-11	5.44E-10	8.12E-11	3.01E-10	2.65E-11	4.08E-10	9.21E-12	5.27E-11	6.29E-12	6.82E-11	8.37E-12	2.76E-11	1.90E-12	3.79E-11
4116	469304.14	3818722.76	9.85E-11	4.14E-10	3.72E-11	5.49E-10	8.20E-11	3.04E-10	2.67E-11	4.13E-10	9.30E-12	5.32E-11	6.35E-12	6.89E-11	8.45E-12	2.79E-11	1.92E-12	3.83E-11
4117	469307.98	3818713.96	9.94E-11	4.17E-10	3.76E-11	5.54E-10	8.28E-11	3.07E-10	2.70E-11	4.16E-10	9.38E-12	5.37E-11	6.41E-12	6.95E-11	8.53E-12	2.81E-11	1.94E-12	3.86E-11
4118	469311.82	3818705.15	1.00E-10	4.21E-10	3.79E-11	5.59E-10	8.35E-11	3.09E-10	2.72E-11	4.20E-10	9.47E-12	5.42E-11	6.47E-12	7.02E-11	8.61E-12	2.84E-11	1.96E-12	3.90E-11
4119	469315.66	3818696.35	1.01E-10	4.25E-10	3.82E-11	5.64E-10	8.42E-11	3.12E-10	2.74E-11	4.24E-10	9.55E-12	5.46E-11	6.52E-12	7.07E-11	8.68E-12	2.86E-11	1.97E-12	3.93E-11
4120	469319.5	3818687.55	1.02E-10	4.28E-10	3.85E-11	5.68E-10	8.48E-11	3.14E-10	2.76E-11	4.27E-10	9.62E-12	5.51E-11	6.57E-12	7.12E-11	8.74E-12	2.88E-11	1.99E-12	3.96E-11
4121	469323.34	3818678.74	1.03E-10	4.31E-10	3.88E-11	5.72E-10	8.54E-11	3.17E-10	2.78E-11	4.30E-10	9.69E-12	5.55E-11	6.62E-12	7.18E-11	8.81E-12	2.90E-11	2.00E-12	3.98E-11
4122	469327.17	3818669.94	1.03E-10	4.34E-10	3.91E-11	5.76E-10	8.60E-11	3.19E-10	2.80E-11	4.33E-10	9.75E-12	5.58E-11	6.66E-12	7.22E-11	8.86E-12	2.92E-11	2.01E-12	4.01E-11
4123	469331.01	3818661.14	1.04E-10	4.36E-10	3.93E-11	5.79E-10	8.65E-11	3.21E-10	2.82E-11	4.35E-10	9.81E-12	5.62E-11	6.70E-12	7.27E-11	8.92E-12	2.94E-11	2.03E-12	4.04E-11
4124	469334.85	3818652.34	1.05E-10	4.39E-10	3.95E-11	5.83E-10	8.71E-11	3.22E-10	2.84E-11	4.38E-10	9.87E-12	5.65E-11	6.74E-12	7.31E-11	8.97E-12	2.96E-11	2.04E-12	4.06E-11
4125	469338.69	3818643.53	1.05E-10	4.41E-10	3.98E-11	5.86E-10	8.76E-11	3.24E-10	2.85E-11	4.41E-10	9.93E-12	5.68E-11	6.78E-12	7.35E-11	9.03E-12	2.98E-11	2.05E-12	4.08E-11
4126	469342.53	3818634.73	1.06E-10	4.44E-10	4.00E-11	5.90E-10	8.80E-11	3.26E-10	2.87E-11	4.43E-10	9.98E-12	5.71E-11	6.82E-12	7.39E-11	9.07E-12	2.99E-11	2.06E-12	4.11E-11
4127	469346.37	3818625.93	1.06E-10	4.46E-10	4.02E-11	5.93E-10	8.85E-11	3.28E-10	2.88E-11	4.45E-10	1.00E-11	5.74E-11	6.85E-12	7.43E-11	9.12E-12	3.01E-11	2.07E-12	4.13E-11
4128	469350.21	3818617.12	1.07E-10	4.48E-10	4.04E-11	5.95E-10	8.89E-11	3.29E-10	2.90E-11	4.47E-10	1.01E-11	5.77E-11	6.89E-12	7.47E-11	9.16E-12	3.02E-11	2.08E-12	4.15E-11
4129	469354.05	3818608.32	1.07E-10	4.50E-10	4.06E-11	5.98E-10	8.93E-11	3.31E-10	2.91E-11	4.49E-10	1.01E-11	5.80E-11	6.92E-12	7.50E-11	9.21E-12	3.04E-11	2.09E-12	4.17E-11
4130	469357.89	3818599.52	1.08E-10	4.53E-10	4.08E-11	6.01E-10	8.98E-11	3.33E-10	2.93E-11	4.52E-10	1.02E-11	5.83E-11	6.95E-12	7.54E-11	9.25E-12	3.05E-11	2.10E-12	4.19E-11
4131	469361.73	3818590.72	1.08E-10	4.55E-10	4.10E-11	6.04E-10	9.02E-11	3.34E-10	2.94E-11	4.54E-10	1.02E-11	5.85E-11	6.99E-12	7.58E-11	9.30E-12	3.07E-11	2.11E-12	4.21E-11
4132	469365.56	3818581.91	1.09E-10	4.56E-10	4.11E-11	6.06E-10	9.05E-11	3.35E-10	2.95E-11	4.55E-10	1.03E-11	5.87E-11	7.01E-12	7.60E-11	9.33E-12	3.08E-11	2.12E-12	4.22E-11
4133	469369.4	3818573.11	1.09E-10	4.58E-10	4.12E-11	6.08E-10	9.08E-11	3.36E-10	2.96E-11	4.57E-10	1.03E-11	5.89E-11	7.03E-12	7.63E-11	9.36E-12	3.09E-11	2.13E-12	4.24E-11
4134	469373.24	3818564.31	1.09E-10	4.60E-10	4.14E-11	6.11E-10	9.12E-11	3.38E-10	2.97E-11	4.59E-10	1.03E-11	5.92E-11	7.06E-12	7.66E-11	9.40E-12	3.10E-11	2.14E-12	4.25E-11
4135	469377.08	3818555.5	1.10E-10	4.62E-10	4.16E-11	6.14E-10	9.17E-11	3.40E-10	2.99E-11	4.61E-10	1.04E-11	5.95E-11	7.10E-12	7.70E-11	9.45E-12	3.11E-11	2.15E-12	4.27E-11
4136	469380.92	3818546.7	1.11E-10	4.64E-10	4.18E-11	6.17E-10	9.21E-11	3.41E-10	3.00E-11	4.63E-10	1.04E-11	5.98E-11	7.13E-12	7.74E-11	9.49E-12	3.13E-11	2.16E-12	4.30E-11
4137	469384.76	3818537.9	1.11E-10	4.67E-10	4.20E-11	6.20E-10	9.26E-11	3.43E-10	3.02E-11	4.66E-10	1.05E-11	6.01E-11	7.17E-12	7.78E-11	9.54E-12	3.15E-11	2.17E-12	4.32E-11
4138	469388.6	3818529.09	1.12E-10	4.69E-10	4.22E-11	6.23E-10	9.30E-11	3.45E-10	3.03E-11	4.68E-10	1.05E-11	6.04E-11	7.20E-12	7.81E-11	9.58E-12	3.16E-11	2.18E-12	4.34E-11
4139	469392.44	3818520.29	1.12E-10	4.71E-10	4.24E-11	6.25E-10	9.34E-11	3.46E-10	3.04E-11	4.70E-10	1.06E-11	6.06E-11	7.23E-12	7.84E-11	9.62E-12	3.17E-11	2.19E-12	4.35E-11
4140	469396.28	3818511.49	1.13E-10	4.73E-10	4.26E-11	6.28E-10	9.37E-11	3.47E-10	3.05E-11	4.71E-10	1.06E-11	6.08E-11	7.26E-12	7.87E-11	9.66E-12	3.19E-11	2.20E-12	4.37E-11
4141	469409.05	3818499.15	1.15E-10	4.84E-10	4.36E-11	6.43E-10	9.61E-11	3.56E-10	3.13E-11	4.83E-10	1.09E-11	6.23E-11	7.44E-12	8.07E-11	9.90E-12	3.26E-11	2.25E-12	4.48E-11
4142	469417.97	3818495.61	1.17E-10	4.93E-10	4.44E-11	6.55E-10	9.79E-11	3.63E-10	3.19E-11	4.92E-10	1.11E-11	6.35E-11	7.58E-12	8.22E-11	1.01E-11	3.33E-11	2.29E-12	4.56E-11
4143	469426.9	3818492.08	1.20E-10	5.02E-10	4.52E-11	6.67E-10	9.96E-11	3.69E-10	3.25E-11	5.01E-10	1.13E-11	6.46E-11	7.71E-12	8.36E-11	1.03E-11	3.38E-11	2.33E-12	4.64E-11
4144	469435.83	3818488.54	1.22E-10	5.11E-10	4.60E-11	6.78E-10	1.01E-10	3.75E-10	3.30E-11	5.10E-10	1.15E-11	6.57E-11	7.84E-12	8.51E-11	1.04E-11	3.44E-11	2.37E-12	4.72E-11
4145	469444.76	3818485	1.24E-10	5.19E-10	4.68E-11	6.90E-10	1.03E-10	3.82E-10	3.36E-11	5.18E-10	1.17E-11	6.68E-11	7.98E-12	8.65E-11	1.06E-11	3.50E-11	2.41E-12	4.80E-11
4146	469453.69	3818481.47	1.26E-10	5.28E-10	4.76E-11	7.01E-10	1.05E-10	3.88E-10	3.41E-11	5.27E-10	1.19E-11	6.80E-11	8.11E-12	8.80E-11	1.08E-11	3.56E-11	2.45E-12	4.88E-11

4147	469462.62	3818477.93	1.28E-10	5.37E-10	4.84E-11	7.13E-10	1.07E-10	3.95E-10	3.47E-11	5.36E-10	1.21E-11	6.91E-11	8.25E-12	8.94E-11	1.10E-11	3.62E-11	2.50E-12	4.97E-11
4148	469471.55	3818474.4	1.30E-10	5.46E-10	4.91E-11	7.25E-10	1.08E-10	4.01E-10	3.53E-11	5.44E-10	1.23E-11	7.02E-11	8.38E-12	9.09E-11	1.12E-11	3.68E-11	2.54E-12	5.05E-11
4149	469480.48	3818470.86	1.32E-10	5.54E-10	4.99E-11	7.36E-10	1.10E-10	4.07E-10	3.58E-11	5.53E-10	1.25E-11	7.13E-11	8.51E-12	9.23E-11	1.13E-11	3.74E-11	2.58E-12	5.13E-11
4150	469507.26	3818460.25	1.37E-10	5.77E-10	5.20E-11	7.67E-10	1.14E-10	4.24E-10	3.73E-11	5.76E-10	1.30E-11	7.43E-11	8.86E-12	9.61E-11	1.18E-11	3.89E-11	2.68E-12	5.34E-11
4151	469516.19	3818456.71	1.39E-10	5.84E-10	5.26E-11	7.76E-10	1.16E-10	4.29E-10	3.78E-11	5.83E-10	1.31E-11	7.52E-11	8.97E-12	9.73E-11	1.19E-11	3.94E-11	2.71E-12	5.40E-11
4152	469525.12	3818453.18	1.41E-10	5.91E-10	5.32E-11	7.85E-10	1.17E-10	4.34E-10	3.82E-11	5.90E-10	1.33E-11	7.61E-11	9.08E-12	9.84E-11	1.21E-11	3.98E-11	2.75E-12	5.47E-11
4153	469534.05	3818449.64	1.42E-10	5.97E-10	5.38E-11	7.93E-10	1.18E-10	4.39E-10	3.86E-11	5.96E-10	1.34E-11	7.69E-11	9.17E-12	9.95E-11	1.22E-11	4.03E-11	2.78E-12	5.52E-11
4154	469542.98	3818446.1	1.44E-10	6.04E-10	5.44E-11	8.02E-10	1.20E-10	4.43E-10	3.90E-11	6.02E-10	1.36E-11	7.77E-11	9.27E-12	1.01E-10	1.23E-11	4.07E-11	2.80E-12	5.58E-11
4155	469551.91	3818442.57	1.45E-10	6.09E-10	5.49E-11	8.09E-10	1.21E-10	4.48E-10	3.94E-11	6.08E-10	1.37E-11	7.84E-11	9.36E-12	1.01E-10	1.25E-11	4.11E-11	2.83E-12	5.64E-11
4156	469560.83	3818439.03	1.46E-10	6.15E-10	5.54E-11	8.17E-10	1.22E-10	4.52E-10	3.98E-11	6.14E-10	1.38E-11	7.92E-11	9.45E-12	1.02E-10	1.26E-11	4.15E-11	2.86E-12	5.69E-11
4157	469569.76	3818435.5	1.48E-10	6.20E-10	5.59E-11	8.24E-10	1.23E-10	4.56E-10	4.01E-11	6.19E-10	1.40E-11	7.99E-11	9.53E-12	1.03E-10	1.27E-11	4.18E-11	2.88E-12	5.74E-11
4158	469659.05	3818400.13	1.61E-10	6.76E-10	6.09E-11	8.98E-10	1.34E-10	4.97E-10	4.37E-11	6.75E-10	1.52E-11	8.70E-11	1.04E-11	1.13E-10	1.38E-11	4.56E-11	3.14E-12	6.25E-11
4159	469667.98	3818396.6	1.62E-10	6.82E-10	6.14E-11	9.06E-10	1.35E-10	5.01E-10	4.41E-11	6.80E-10	1.53E-11	8.78E-11	1.05E-11	1.14E-10	1.39E-11	4.60E-11	3.17E-12	6.31E-11
4160	469676.91	3818393.06	1.64E-10	6.87E-10	6.19E-11	9.13E-10	1.36E-10	5.05E-10	4.44E-11	6.86E-10	1.55E-11	8.85E-11	1.06E-11	1.14E-10	1.40E-11	4.63E-11	3.19E-12	6.36E-11
4161	469712.62	3818378.91	1.69E-10	7.10E-10	6.39E-11	9.43E-10	1.41E-10	5.22E-10	4.59E-11	7.08E-10	1.60E-11	9.14E-11	1.09E-11	1.18E-10	1.45E-11	4.78E-11	3.30E-12	6.56E-11
4162	469721.55	3818375.38	1.70E-10	7.15E-10	6.44E-11	9.50E-10	1.42E-10	5.26E-10	4.62E-11	7.14E-10	1.61E-11	9.21E-11	1.10E-11	1.19E-10	1.46E-11	4.82E-11	3.32E-12	6.62E-11
4163	469730.48	3818371.84	1.72E-10	7.21E-10	6.50E-11	9.58E-10	1.43E-10	5.30E-10	4.66E-11	7.20E-10	1.62E-11	9.29E-11	1.11E-11	1.20E-10	1.47E-11	4.86E-11	3.35E-12	6.67E-11
4164	469739.41	3818368.3	1.73E-10	7.27E-10	6.55E-11	9.66E-10	1.44E-10	5.34E-10	4.70E-11	7.25E-10	1.63E-11	9.36E-11	1.12E-11	1.21E-10	1.49E-11	4.90E-11	3.38E-12	6.72E-11
4165	469748.34	3818364.77	1.74E-10	7.32E-10	6.59E-11	9.72E-10	1.45E-10	5.38E-10	4.73E-11	7.31E-10	1.65E-11	9.43E-11	1.12E-11	1.22E-10	1.50E-11	4.94E-11	3.40E-12	6.77E-11
4166	469757.27	3818361.23	1.76E-10	7.37E-10	6.64E-11	9.79E-10	1.46E-10	5.42E-10	4.77E-11	7.36E-10	1.66E-11	9.49E-11	1.13E-11	1.23E-10	1.51E-11	4.97E-11	3.43E-12	6.82E-11
4167	469766.2	3818357.7	1.77E-10	7.43E-10	6.69E-11	9.86E-10	1.47E-10	5.46E-10	4.80E-11	7.41E-10	1.67E-11	9.56E-11	1.14E-11	1.24E-10	1.52E-11	5.01E-11	3.45E-12	6.87E-11
4168	469775.13	3818354.16	1.78E-10	7.48E-10	6.73E-11	9.93E-10	1.48E-10	5.50E-10	4.83E-11	7.46E-10	1.68E-11	9.63E-11	1.15E-11	1.25E-10	1.53E-11	5.04E-11	3.47E-12	6.92E-11
4169	469784.05	3818350.62	1.79E-10	7.52E-10	6.77E-11	9.99E-10	1.49E-10	5.53E-10	4.86E-11	7.51E-10	1.69E-11	9.68E-11	1.16E-11	1.25E-10	1.54E-11	5.07E-11	3.50E-12	6.96E-11
4170	469792.98	3818347.09	1.80E-10	7.56E-10	6.81E-11	1.00E-09	1.50E-10	5.56E-10	4.89E-11	7.54E-10	1.70E-11	9.73E-11	1.16E-11	1.26E-10	1.55E-11	5.10E-11	3.51E-12	6.99E-11
4171	469801.91	3818343.55	1.81E-10	7.60E-10	6.84E-11	1.01E-09	1.51E-10	5.59E-10	4.91E-11	7.58E-10	1.71E-11	9.78E-11	1.17E-11	1.27E-10	1.55E-11	5.12E-11	3.53E-12	7.03E-11
4172	469810.84	3818340.01	1.82E-10	7.64E-10	6.88E-11	1.01E-09	1.52E-10	5.61E-10	4.94E-11	7.62E-10	1.72E-11	9.83E-11	1.17E-11	1.27E-10	1.56E-11	5.15E-11	3.55E-12	7.07E-11
4173	469819.77	3818336.48	1.83E-10	7.67E-10	6.91E-11	1.02E-09	1.52E-10	5.64E-10	4.96E-11	7.66E-10	1.73E-11	9.88E-11	1.18E-11	1.28E-10	1.57E-11	5.17E-11	3.57E-12	7.10E-11
4174	469828.7	3818332.94	1.83E-10	7.70E-10	6.94E-11	1.02E-09	1.53E-10	5.66E-10	4.98E-11	7.69E-10	1.73E-11	9.92E-11	1.18E-11	1.28E-10	1.57E-11	5.19E-11	3.58E-12	7.12E-11
4175	469837.63	3818329.4	1.84E-10	7.73E-10	6.96E-11	1.03E-09	1.53E-10	5.68E-10	5.00E-11	7.71E-10	1.74E-11	9.95E-11	1.19E-11	1.29E-10	1.58E-11	5.21E-11	3.59E-12	7.15E-11
4176	469846.56	3818325.87	1.85E-10	7.76E-10	6.99E-11	1.03E-09	1.54E-10	5.70E-10	5.01E-11	7.74E-10	1.74E-11	9.99E-11	1.19E-11	1.29E-10	1.59E-11	5.23E-11	3.60E-12	7.17E-11
4177	469855.48	3818322.33	1.85E-10	7.78E-10	7.00E-11	1.03E-09	1.54E-10	5.72E-10	5.03E-11	7.76E-10	1.75E-11	1.00E-10	1.19E-11	1.30E-10	1.59E-11	5.24E-11	3.61E-12	7.19E-11
4178	469864.41	3818318.8	1.86E-10	7.80E-10	7.02E-11	1.04E-09	1.55E-10	5.73E-10	5.04E-11	7.78E-10	1.75E-11	1.00E-10	1.20E-11	1.30E-10	1.59E-11	5.26E-11	3.62E-12	7.21E-11
4179	469873.34	3818315.26	1.86E-10	7.82E-10	7.04E-11	1.04E-09	1.55E-10	5.74E-10	5.05E-11	7.80E-10	1.76E-11	1.01E-10	1.20E-11	1.30E-10	1.60E-11	5.27E-11	3.63E-12	7.23E-11
4180	469882.27	3818311.72	1.87E-10	7.84E-10	7.06E-11	1.04E-09	1.55E-10	5.76E-10	5.07E-11	7.82E-10	1.76E-11	1.01E-10	1.20E-11	1.31E-10	1.60E-11	5.28E-11	3.64E-12	7.25E-11
4181	469891.2	3818308.19	1.87E-10	7.85E-10	7.07E-11	1.04E-09	1.56E-10	5.77E-10	5.08E-11	7.84E-10	1.77E-11	1.01E-10	1.21E-11	1.31E-10	1.61E-11	5.29E-11	3.65E-12	7.26E-11
4182	469900.13	3818304.65	1.87E-10	7.87E-10	7.09E-11	1.05E-09	1.56E-10	5.78E-10	5.09E-11	7.85E-10	1.77E-11	1.01E-10	1.21E-11	1.31E-10	1.61E-11	5.31E-11	3.66E-12	7.28E-11
4183	469909.06	3818301.11	1.88E-10	7.90E-10	7.11E-11	1.05E-09	1.57E-10	5.80E-10	5.11E-11	7.88E-10	1.78E-11	1.02E-10	1.21E-11	1.32E-10	1.61E-11	5.32E-11	3.67E-12	7.31E-11
4184	469917.99	3818297.58	1.89E-10	7.93E-10	7.14E-11	1.05E-09	1.57E-10	5.83E-10	5.13E-11	7.91E-10	1.78E-11	1.02E-10	1.22E-11	1.32E-10	1.62E-11	5.35E-11	3.69E-12	7.34E-11
4185	469926.92	3818294.04	1.90E-10	7.97E-10	7.18E-11	1.06E-09	1.58E-10	5.86E-10	5.15E-11	7.95E-10	1.79E-11	1.03E-10	1.22E-11	1.33E-10	1.63E-11	5.37E-11	3.70E-12	7.37E-11
4186	469935.84	3818290.51	1.91E-10	8.01E-10	7.21E-11	1.06E-09	1.59E-10	5.88E-10	5.18E-11	7.99E-10	1.80E-11	1.03E-10	1.23E-11	1.33E-10	1.64E-11	5.40E-11	3.72E-12	7.41E-11
4187	469944.77	3818286.97	1.92E-10	8.04E-10	7.24E-11	1.07E-09	1.60E-10	5.91E-10	5.20E-11	8.03E-10	1.81E-11	1.04E-10	1.24E-11	1.34E-10	1.64E-11	5.42E-11	3.74E-12	7.44E-11
4188	469953.7	3818283.43	1.92E-10	8.08E-10	7.28E-11	1.07E-09	1.60E-10	5.94E-10	5.22E-11	8.06E-10	1.82E-11	1.04E-10	1.24E-11	1.35E-10	1.65E-11	5.45E-11	3.75E-12	7.47E-11
4189	469962.63	3818279.9	1.93E-10	8.12E-10	7.31E-11	1.08E-09	1.61E-10	5.97E-10	5.25E-11	8.10E-10	1.83E-11	1.05E-10	1.25E-11	1.35E-10	1.66E-11	5.47E-11	3.77E-12	7.51E-11
4190	469971.56	3818276.36	1.95E-10	8.17E-10	7.36E-11	1.09E-09	1.62E-10	6.00E-10	5.28E-11	8.15E-10	1.84E-11	1.05E-10	1.25E-11	1.36E-10	1.67E-11	5.51E-11	3.80E-12	7.56E-11
4191	469980.49	3818272.82	1.96E-10	8.22E-10	7.40E-11	1.09E-09	1.63E-10	6.04E-10	5.31E-11	8.20E-10	1.85E-11	1.06E-10	1.26E-11	1.37E-10	1.68E-11	5.54E-11	3.82E-12	7.60E-11
4192	469989.42	3818269.29	1.97E-10	8.27E-10	7.44E-11	1.10E-09	1.64E-10	6.07E-10	5.34E-11	8.25E-10	1.86E-11	1.06E-10	1.27E-11	1.38E-10	1.69E-11	5.57E-11	3.84E-12	7.65E-11
4193	469998.35	3818265.75	1.98E-10	8.33E-10	7.51E-11	1.11E-09	1.65E-10	6.12E-10	5.39E-11	8.32E-10	1.87E-11	1.07E-10	1.28E-11	1.39E-10	1.70E-11	5.62E-11	3.87E-12	7.71E-11
4194	470007.27	3818262.21	2.00E-10	8.40E-10	7.56E-11	1.12E-09	1.67E-10	6.17E-10	5.43E-11	8.38E-10	1.89E-11	1.08E-10	1.29E-11	1.40E-10	1.72E-11	5.66E-11	3.90E-12	7.77E-11
4195	470034.06	3818251.61	2.04E-10	8.57E-10	7.72E-11	1.14E-09	1.70E-10	6.30E-10	5.54E-11	8.56E-10	1.93E-11	1.10E-10	1.32E-11	1.43E-10	1.75E-11	5.78E-11	3.98E-12	7.93E-11
4196	470042.99	3818248.07	2.05E-10	8.62E-10	7.77E-11	1.15E-09	1.71E-10	6.34E-10	5.57E-11	8.60E-10	1.94E-11	1.11E-10	1.32E-11	1.44E-10	1.76E-11	5.81E-11	4.01E-12	7.98E-11

4197	470051.92	3818244.53	2.06E-10	8.67E-10	7.81E-11	1.15E-09	1.72E-10	6.37E-10	5.60E-11	8.65E-10	1.95E-11	1.12E-10	1.33E-11	1.44E-10	1.77E-11	5.84E-11	4.03E-12	8.02E-11
4198	470060.85	3818241	2.07E-10	8.70E-10	7.84E-11	1.16E-09	1.73E-10	6.40E-10	5.63E-11	8.69E-10	1.96E-11	1.12E-10	1.34E-11	1.45E-10	1.78E-11	5.87E-11	4.04E-12	8.05E-11
4199	470069.78	3818237.46	2.08E-10	8.73E-10	7.86E-11	1.16E-09	1.73E-10	6.41E-10	5.64E-11	8.71E-10	1.96E-11	1.12E-10	1.34E-11	1.45E-10	1.78E-11	5.88E-11	4.06E-12	8.07E-11
4200	470078.7	3818233.92	2.08E-10	8.74E-10	7.87E-11	1.16E-09	1.73E-10	6.42E-10	5.65E-11	8.72E-10	1.97E-11	1.13E-10	1.34E-11	1.46E-10	1.79E-11	5.89E-11	4.06E-12	8.08E-11
4201	470087.63	3818230.39	2.08E-10	8.74E-10	7.87E-11	1.16E-09	1.73E-10	6.42E-10	5.65E-11	8.72E-10	1.97E-11	1.13E-10	1.34E-11	1.46E-10	1.79E-11	5.89E-11	4.06E-12	8.08E-11
4202	470096.56	3818226.85	2.08E-10	8.73E-10	7.86E-11	1.16E-09	1.73E-10	6.41E-10	5.64E-11	8.71E-10	1.96E-11	1.12E-10	1.34E-11	1.45E-10	1.78E-11	5.88E-11	4.06E-12	8.07E-11
4203	470105.49	3818223.31	2.07E-10	8.70E-10	7.84E-11	1.16E-09	1.73E-10	6.40E-10	5.63E-11	8.69E-10	1.96E-11	1.12E-10	1.34E-11	1.45E-10	1.78E-11	5.87E-11	4.04E-12	8.05E-11
4204	470114.42	3818219.78	2.06E-10	8.67E-10	7.81E-11	1.15E-09	1.72E-10	6.37E-10	5.60E-11	8.65E-10	1.95E-11	1.12E-10	1.33E-11	1.44E-10	1.77E-11	5.84E-11	4.03E-12	8.02E-11
4205	469078.55	3819055.02	4.70E-11	1.97E-10	1.78E-11	2.62E-10	3.91E-11	1.45E-10	1.28E-11	1.97E-10	4.44E-12	2.54E-11	3.03E-12	3.29E-11	4.03E-12	1.33E-11	9.17E-13	1.82E-11
4206	469082.41	3819046.19	4.72E-11	1.98E-10	1.78E-11	2.63E-10	3.93E-11	1.46E-10	1.28E-11	1.98E-10	4.45E-12	2.55E-11	3.04E-12	3.30E-11	4.05E-12	1.33E-11	9.20E-13	1.83E-11
4207	469086.26	3819037.35	4.75E-11	2.00E-10	1.80E-11	2.65E-10	3.96E-11	1.47E-10	1.29E-11	1.99E-10	4.49E-12	2.57E-11	3.07E-12	3.32E-11	4.08E-12	1.35E-11	9.27E-13	1.85E-11
4208	469090.12	3819028.51	4.78E-11	2.01E-10	1.81E-11	2.67E-10	3.98E-11	1.48E-10	1.30E-11	2.00E-10	4.52E-12	2.59E-11	3.09E-12	3.35E-11	4.11E-12	1.35E-11	9.34E-13	1.86E-11
4209	469093.97	3819019.67	4.83E-11	2.03E-10	1.83E-11	2.70E-10	4.03E-11	1.49E-10	1.31E-11	2.03E-10	4.56E-12	2.61E-11	3.12E-12	3.38E-11	4.15E-12	1.37E-11	9.43E-13	1.88E-11
4210	469097.83	3819010.83	4.88E-11	2.05E-10	1.84E-11	2.72E-10	4.06E-11	1.51E-10	1.32E-11	2.04E-10	4.61E-12	2.64E-11	3.15E-12	3.41E-11	4.19E-12	1.38E-11	9.52E-13	1.89E-11
4211	469101.68	3819001.99	4.93E-11	2.07E-10	1.86E-11	2.75E-10	4.10E-11	1.52E-10	1.34E-11	2.06E-10	4.65E-12	2.66E-11	3.18E-12	3.45E-11	4.23E-12	1.39E-11	9.61E-13	1.91E-11
4212	469105.54	3818993.15	4.98E-11	2.09E-10	1.88E-11	2.78E-10	4.15E-11	1.54E-10	1.35E-11	2.09E-10	4.70E-12	2.69E-11	3.21E-12	3.48E-11	4.27E-12	1.41E-11	9.71E-13	1.93E-11
4213	469109.39	3818984.32	5.03E-11	2.11E-10	1.90E-11	2.80E-10	4.19E-11	1.55E-10	1.36E-11	2.11E-10	4.75E-12	2.72E-11	3.24E-12	3.52E-11	4.32E-12	1.42E-11	9.81E-13	1.95E-11
4214	469113.24	3818975.48	5.09E-11	2.14E-10	1.92E-11	2.84E-10	4.24E-11	1.57E-10	1.38E-11	2.13E-10	4.81E-12	2.75E-11	3.28E-12	3.56E-11	4.37E-12	1.44E-11	9.93E-13	1.98E-11
4215	469117.1	3818966.64	5.16E-11	2.17E-10	1.95E-11	2.88E-10	4.30E-11	1.59E-10	1.40E-11	2.16E-10	4.87E-12	2.79E-11	3.33E-12	3.61E-11	4.43E-12	1.46E-11	1.01E-12	2.00E-11
4216	469120.95	3818957.8	5.23E-11	2.19E-10	1.98E-11	2.91E-10	4.35E-11	1.61E-10	1.42E-11	2.19E-10	4.93E-12	2.82E-11	3.37E-12	3.66E-11	4.49E-12	1.48E-11	1.02E-12	2.03E-11
4217	469124.81	3818948.96	5.30E-11	2.23E-10	2.00E-11	2.96E-10	4.41E-11	1.64E-10	1.44E-11	2.22E-10	5.00E-12	2.87E-11	3.42E-12	3.71E-11	4.55E-12	1.50E-11	1.03E-12	2.06E-11
4218	469128.66	3818940.12	5.37E-11	2.26E-10	2.03E-11	3.00E-10	4.48E-11	1.66E-10	1.46E-11	2.25E-10	5.08E-12	2.91E-11	3.47E-12	3.76E-11	4.61E-12	1.52E-11	1.05E-12	2.09E-11
4219	469132.52	3818931.28	5.46E-11	2.29E-10	2.07E-11	3.05E-10	4.55E-11	1.69E-10	1.48E-11	2.29E-10	5.16E-12	2.95E-11	3.52E-12	3.82E-11	4.69E-12	1.55E-11	1.07E-12	2.12E-11
4220	469136.37	3818922.45	5.55E-11	2.33E-10	2.10E-11	3.09E-10	4.62E-11	1.71E-10	1.51E-11	2.32E-10	5.24E-12	3.00E-11	3.58E-12	3.88E-11	4.76E-12	1.57E-11	1.08E-12	2.16E-11
4221	469140.23	3818913.61	5.64E-11	2.37E-10	2.13E-11	3.15E-10	4.70E-11	1.74E-10	1.53E-11	2.36E-10	5.33E-12	3.05E-11	3.64E-12	3.95E-11	4.84E-12	1.60E-11	1.10E-12	2.19E-11
4222	469144.08	3818904.77	5.73E-11	2.41E-10	2.17E-11	3.20E-10	4.78E-11	1.77E-10	1.56E-11	2.40E-10	5.42E-12	3.10E-11	3.70E-12	4.01E-11	4.92E-12	1.62E-11	1.12E-12	2.23E-11
4223	469147.94	3818895.93	5.83E-11	2.45E-10	2.21E-11	3.25E-10	4.86E-11	1.80E-10	1.58E-11	2.44E-10	5.51E-12	3.15E-11	3.76E-12	4.08E-11	5.01E-12	1.65E-11	1.14E-12	2.27E-11
4224	469151.79	3818887.09	5.93E-11	2.49E-10	2.24E-11	3.31E-10	4.94E-11	1.83E-10	1.61E-11	2.48E-10	5.60E-12	3.20E-11	3.82E-12	4.15E-11	5.09E-12	1.68E-11	1.16E-12	2.30E-11
4225	469155.65	3818878.25	6.03E-11	2.53E-10	2.28E-11	3.36E-10	5.02E-11	1.86E-10	1.64E-11	2.53E-10	5.69E-12	3.26E-11	3.89E-12	4.22E-11	5.17E-12	1.71E-11	1.18E-12	2.34E-11
4226	469159.5	3818869.41	6.13E-11	2.58E-10	2.32E-11	3.42E-10	5.11E-11	1.89E-10	1.66E-11	2.57E-10	5.79E-12	3.32E-11	3.96E-12	4.29E-11	5.26E-12	1.74E-11	1.20E-12	2.38E-11
4227	469163.35	3818860.58	6.24E-11	2.62E-10	2.36E-11	3.48E-10	5.20E-11	1.93E-10	1.70E-11	2.62E-10	5.90E-12	3.38E-11	4.03E-12	4.37E-11	5.36E-12	1.77E-11	1.22E-12	2.43E-11
4228	469167.21	3818851.74	6.36E-11	2.67E-10	2.41E-11	3.55E-10	5.30E-11	1.96E-10	1.73E-11	2.67E-10	6.01E-12	3.44E-11	4.10E-12	4.45E-11	5.46E-12	1.80E-11	1.24E-12	2.47E-11
4229	469171.06	3818842.9	6.49E-11	2.72E-10	2.45E-11	3.62E-10	5.40E-11	2.00E-10	1.76E-11	2.72E-10	6.13E-12	3.51E-11	4.18E-12	4.54E-11	5.57E-12	1.84E-11	1.27E-12	2.52E-11
4230	469174.92	3818834.06	6.61E-11	2.78E-10	2.50E-11	3.69E-10	5.51E-11	2.04E-10	1.79E-11	2.77E-10	6.24E-12	3.57E-11	4.26E-12	4.62E-11	5.68E-12	1.87E-11	1.29E-12	2.57E-11
4231	469178.77	3818825.22	6.74E-11	2.83E-10	2.55E-11	3.76E-10	5.61E-11	2.08E-10	1.83E-11	2.82E-10	6.36E-12	3.64E-11	4.34E-12	4.71E-11	5.78E-12	1.91E-11	1.31E-12	2.62E-11
4232	469182.63	3818816.38	6.86E-11	2.88E-10	2.59E-11	3.83E-10	5.71E-11	2.12E-10	1.86E-11	2.87E-10	6.48E-12	3.71E-11	4.42E-12	4.80E-11	5.89E-12	1.94E-11	1.34E-12	2.66E-11
4233	469186.48	3818807.54	6.99E-11	2.94E-10	2.64E-11	3.90E-10	5.82E-11	2.16E-10	1.90E-11	2.93E-10	6.60E-12	3.78E-11	4.51E-12	4.89E-11	6.00E-12	1.98E-11	1.36E-12	2.72E-11
4234	469190.34	3818798.7	7.12E-11	2.99E-10	2.69E-11	3.97E-10	5.93E-11	2.20E-10	1.93E-11	2.98E-10	6.72E-12	3.85E-11	4.59E-12	4.98E-11	6.11E-12	2.02E-11	1.39E-12	2.77E-11
4235	469194.19	3818789.87	7.24E-11	3.04E-10	2.74E-11	4.04E-10	6.03E-11	2.24E-10	1.97E-11	3.04E-10	6.84E-12	3.92E-11	4.67E-12	5.07E-11	6.22E-12	2.05E-11	1.41E-12	2.81E-11
4236	469198.05	3818781.03	7.37E-11	3.09E-10	2.79E-11	4.11E-10	6.14E-11	2.27E-10	2.00E-11	3.09E-10	6.96E-12	3.98E-11	4.75E-12	5.15E-11	6.33E-12	2.09E-11	1.44E-12	2.86E-11
4237	469201.9	3818772.19	7.49E-11	3.15E-10	2.83E-11	4.18E-10	6.24E-11	2.31E-10	2.03E-11	3.14E-10	7.08E-12	4.05E-11	4.83E-12	5.24E-11	6.43E-12	2.12E-11	1.46E-12	2.91E-11
4238	469205.76	3818763.35	7.61E-11	3.20E-10	2.88E-11	4.25E-10	6.34E-11	2.35E-10	2.07E-11	3.19E-10	7.19E-12	4.11E-11	4.91E-12	5.32E-11	6.53E-12	2.15E-11	1.49E-12	2.96E-11
4239	469209.61	3818754.51	7.73E-11	3.25E-10	2.92E-11	4.31E-10	6.44E-11	2.39E-10	2.10E-11	3.24E-10	7.30E-12	4.18E-11	4.99E-12	5.41E-11	6.64E-12	2.19E-11	1.51E-12	3.00E-11
4240	469213.46	3818745.67	7.85E-11	3.30E-10	2.97E-11	4.38E-10	6.54E-11	2.42E-10	2.13E-11	3.29E-10	7.41E-12	4.24E-11	5.06E-12	5.49E-11	6.74E-12	2.22E-11	1.53E-12	3.05E-11
4241	469217.32	3818736.83	7.96E-11	3.34E-10	3.01E-11	4.44E-10	6.63E-11	2.46E-10	2.16E-11	3.34E-10	7.52E-12	4.30E-11	5.13E-12	5.57E-11	6.83E-12	2.25E-11	1.55E-12	3.09E-11
4242	469221.17	3818728	8.07E-11	3.39E-10	3.05E-11	4.50E-10	6.72E-11	2.49E-10	2.19E-11	3.38E-10	7.62E-12	4.36E-11	5.21E-12	5.65E-11	6.93E-12	2.28E-11	1.57E-12	3.13E-11
4243	469225.03	3818719.16	8.17E-11	3.43E-10	3.09E-11	4.56E-10	6.81E-11	2.52E-10	2.22E-11	3.42E-10	7.72E-12	4.42E-11	5.27E-12	5.72E-11	7.01E-12	2.31E-11	1.59E-12	3.17E-11
4244	469228.88	3818710.32	8.28E-11	3.48E-10	3.13E-11	4.62E-10	6.89E-11	2.55E-10	2.25E-11	3.47E-10	7.82E-12	4.47E-11	5.34E-12	5.79E-11	7.10E-12	2.34E-11	1.61E-12	3.21E-11
4245	469232.74	3818701.48	8.37E-11	3.51E-10	3.17E-11	4.67E-10	6.97E-11	2.58E-10	2.27E-11	3.51E-10	7.90E-12	4.52E-11	5.40E-12	5.85E-11	7.18E-12	2.37E-11	1.63E-12	3.25E-11
4246	469236.59	3818692.64	8.46E-11	3.55E-10	3.20E-11	4.72E-10	7.04E-11	2.61E-10	2.30E-11	3.54E-10	7.99E-12	4.57E-11	5.45E-12	5.92E-11	7.26E-12	2.39E-11	1.65E-12	3.28E-11

4247	469240.45	3818683.8	8.54E-11	3.59E-10	3.23E-11	4.77E-10	7.12E-11	2.64E-10	2.32E-11	3.58E-10	8.07E-12	4.62E-11	5.51E-12	5.98E-11	7.33E-12	2.42E-11	1.67E-12	3.32E-11
4248	469244.3	3818674.96	8.62E-11	3.62E-10	3.26E-11	4.81E-10	7.18E-11	2.66E-10	2.34E-11	3.61E-10	8.14E-12	4.66E-11	5.56E-12	6.03E-11	7.40E-12	2.44E-11	1.68E-12	3.35E-11
4249	469248.16	3818666.13	8.69E-11	3.65E-10	3.29E-11	4.85E-10	7.24E-11	2.68E-10	2.36E-11	3.64E-10	8.21E-12	4.70E-11	5.61E-12	6.08E-11	7.46E-12	2.46E-11	1.70E-12	3.38E-11
4250	469252.01	3818657.29	8.75E-11	3.68E-10	3.31E-11	4.88E-10	7.29E-11	2.70E-10	2.38E-11	3.67E-10	8.27E-12	4.73E-11	5.65E-12	6.12E-11	7.52E-12	2.48E-11	1.71E-12	3.40E-11
4251	469255.87	3818648.45	8.82E-11	3.70E-10	3.33E-11	4.92E-10	7.34E-11	2.72E-10	2.39E-11	3.69E-10	8.33E-12	4.77E-11	5.69E-12	6.17E-11	7.57E-12	2.50E-11	1.72E-12	3.42E-11
4252	469278.99	3818595.42	9.10E-11	3.82E-10	3.44E-11	5.07E-10	7.58E-11	2.81E-10	2.47E-11	3.81E-10	8.59E-12	4.92E-11	5.87E-12	6.36E-11	7.81E-12	2.57E-11	1.77E-12	3.53E-11
4253	469282.85	3818586.58	9.14E-11	3.84E-10	3.46E-11	5.10E-10	7.61E-11	2.82E-10	2.48E-11	3.83E-10	8.63E-12	4.94E-11	5.90E-12	6.39E-11	7.85E-12	2.59E-11	1.78E-12	3.55E-11
4254	469286.7	3818577.74	9.18E-11	3.85E-10	3.47E-11	5.12E-10	7.64E-11	2.83E-10	2.49E-11	3.85E-10	8.67E-12	4.96E-11	5.92E-12	6.42E-11	7.88E-12	2.60E-11	1.79E-12	3.56E-11
4255	469290.56	3818568.9	9.21E-11	3.87E-10	3.48E-11	5.14E-10	7.68E-11	2.84E-10	2.50E-11	3.86E-10	8.70E-12	4.98E-11	5.94E-12	6.45E-11	7.91E-12	2.61E-11	1.80E-12	3.58E-11
4256	469294.41	3818560.06	9.24E-11	3.88E-10	3.49E-11	5.15E-10	7.70E-11	2.85E-10	2.51E-11	3.87E-10	8.72E-12	4.99E-11	5.96E-12	6.46E-11	7.93E-12	2.62E-11	1.80E-12	3.59E-11
4257	469298.27	3818551.22	9.26E-11	3.89E-10	3.50E-11	5.17E-10	7.72E-11	2.86E-10	2.51E-11	3.88E-10	8.75E-12	5.01E-11	5.98E-12	6.48E-11	7.95E-12	2.62E-11	1.81E-12	3.60E-11
4258	469302.12	3818542.39	9.30E-11	3.90E-10	3.52E-11	5.18E-10	7.74E-11	2.87E-10	2.52E-11	3.89E-10	8.78E-12	5.02E-11	6.00E-12	6.50E-11	7.98E-12	2.63E-11	1.81E-12	3.61E-11
4259	469305.98	3818533.55	9.33E-11	3.92E-10	3.53E-11	5.20E-10	7.77E-11	2.88E-10	2.53E-11	3.91E-10	8.81E-12	5.04E-11	6.02E-12	6.52E-11	8.01E-12	2.64E-11	1.82E-12	3.62E-11
4260	469309.83	3818524.71	9.37E-11	3.93E-10	3.54E-11	5.23E-10	7.80E-11	2.89E-10	2.54E-11	3.93E-10	8.85E-12	5.07E-11	6.04E-12	6.55E-11	8.04E-12	2.65E-11	1.83E-12	3.64E-11
4261	469313.68	3818515.87	9.41E-11	3.95E-10	3.56E-11	5.25E-10	7.84E-11	2.90E-10	2.55E-11	3.94E-10	8.88E-12	5.09E-11	6.07E-12	6.58E-11	8.08E-12	2.66E-11	1.84E-12	3.65E-11
4262	469317.54	3818507.03	9.44E-11	3.97E-10	3.57E-11	5.27E-10	7.87E-11	2.91E-10	2.56E-11	3.96E-10	8.92E-12	5.11E-11	6.09E-12	6.61E-11	8.11E-12	2.67E-11	1.84E-12	3.67E-11
4263	469321.39	3818498.19	9.49E-11	3.98E-10	3.59E-11	5.29E-10	7.90E-11	2.93E-10	2.58E-11	3.98E-10	8.96E-12	5.13E-11	6.12E-12	6.64E-11	8.14E-12	2.69E-11	1.85E-12	3.69E-11
4264	469325.25	3818489.35	9.54E-11	4.01E-10	3.61E-11	5.32E-10	7.94E-11	2.94E-10	2.59E-11	4.00E-10	9.01E-12	5.16E-11	6.15E-12	6.67E-11	8.19E-12	2.70E-11	1.86E-12	3.70E-11
4265	469329.1	3818480.51	9.59E-11	4.03E-10	3.63E-11	5.35E-10	7.99E-11	2.96E-10	2.60E-11	4.02E-10	9.05E-12	5.18E-11	6.18E-12	6.71E-11	8.23E-12	2.71E-11	1.87E-12	3.72E-11
4266	469332.96	3818471.68	9.63E-11	4.04E-10	3.64E-11	5.37E-10	8.02E-11	2.97E-10	2.61E-11	4.04E-10	9.09E-12	5.21E-11	6.21E-12	6.74E-11	8.27E-12	2.73E-11	1.88E-12	3.74E-11
4267	469336.81	3818462.84	9.66E-11	4.06E-10	3.65E-11	5.39E-10	8.05E-11	2.98E-10	2.62E-11	4.05E-10	9.12E-12	5.22E-11	6.23E-12	6.76E-11	8.29E-12	2.73E-11	1.89E-12	3.75E-11
4268	469340.67	3818454	9.70E-11	4.07E-10	3.67E-11	5.41E-10	8.08E-11	2.99E-10	2.63E-11	4.06E-10	9.16E-12	5.24E-11	6.26E-12	6.78E-11	8.33E-12	2.75E-11	1.89E-12	3.77E-11
4269	469353.49	3818441.61	9.92E-11	4.16E-10	3.75E-11	5.53E-10	8.26E-11	3.06E-10	2.69E-11	4.16E-10	9.36E-12	5.36E-11	6.40E-12	6.94E-11	8.51E-12	2.81E-11	1.93E-12	3.85E-11
4270	469362.45	3818438.06	1.01E-10	4.24E-10	3.82E-11	5.63E-10	8.41E-11	3.12E-10	2.74E-11	4.23E-10	9.53E-12	5.46E-11	6.51E-12	7.06E-11	8.67E-12	2.86E-11	1.97E-12	3.92E-11
4271	469371.42	3818434.51	1.03E-10	4.32E-10	3.89E-11	5.74E-10	8.57E-11	3.17E-10	2.79E-11	4.31E-10	9.71E-12	5.56E-11	6.63E-12	7.19E-11	8.83E-12	2.91E-11	2.01E-12	3.99E-11
4272	469380.38	3818430.96	1.05E-10	4.39E-10	3.96E-11	5.84E-10	8.72E-11	3.23E-10	2.84E-11	4.38E-10	9.88E-12	5.66E-11	6.75E-12	7.32E-11	8.98E-12	2.96E-11	2.04E-12	4.06E-11
4273	469389.35	3818427.41	1.06E-10	4.47E-10	4.03E-11	5.94E-10	8.87E-11	3.28E-10	2.89E-11	4.46E-10	1.01E-11	5.75E-11	6.87E-12	7.45E-11	9.14E-12	3.01E-11	2.08E-12	4.13E-11
4274	469470.03	3818395.45	1.21E-10	5.06E-10	4.56E-11	6.73E-10	1.00E-10	3.72E-10	3.27E-11	5.05E-10	1.14E-11	6.52E-11	7.78E-12	8.44E-11	1.04E-11	3.41E-11	2.35E-12	4.68E-11
4275	469479	3818391.9	1.22E-10	5.12E-10	4.61E-11	6.80E-10	1.02E-10	3.76E-10	3.31E-11	5.11E-10	1.15E-11	6.59E-11	7.87E-12	8.53E-11	1.05E-11	3.45E-11	2.38E-12	4.74E-11
4276	469487.96	3818388.35	1.23E-10	5.17E-10	4.66E-11	6.87E-10	1.03E-10	3.80E-10	3.34E-11	5.16E-10	1.16E-11	6.66E-11	7.94E-12	8.61E-11	1.06E-11	3.49E-11	2.40E-12	4.78E-11
4277	469496.93	3818384.8	1.24E-10	5.22E-10	4.70E-11	6.93E-10	1.04E-10	3.83E-10	3.37E-11	5.21E-10	1.17E-11	6.72E-11	8.02E-12	8.69E-11	1.07E-11	3.52E-11	2.42E-12	4.83E-11
4278	469505.89	3818381.25	1.25E-10	5.27E-10	4.74E-11	6.99E-10	1.04E-10	3.87E-10	3.40E-11	5.25E-10	1.18E-11	6.78E-11	8.09E-12	8.77E-11	1.08E-11	3.55E-11	2.45E-12	4.87E-11
4279	469514.86	3818377.7	1.26E-10	5.31E-10	4.78E-11	7.05E-10	1.05E-10	3.90E-10	3.43E-11	5.30E-10	1.19E-11	6.83E-11	8.15E-12	8.84E-11	1.08E-11	3.58E-11	2.47E-12	4.91E-11
4280	469523.82	3818374.15	1.27E-10	5.35E-10	4.82E-11	7.11E-10	1.06E-10	3.93E-10	3.46E-11	5.34E-10	1.20E-11	6.89E-11	8.22E-12	8.91E-11	1.09E-11	3.61E-11	2.49E-12	4.95E-11
4281	469532.79	3818370.6	1.28E-10	5.39E-10	4.85E-11	7.16E-10	1.07E-10	3.96E-10	3.48E-11	5.38E-10	1.21E-11	6.94E-11	8.28E-12	8.98E-11	1.10E-11	3.63E-11	2.50E-12	4.99E-11
4282	469541.75	3818367.04	1.29E-10	5.43E-10	4.89E-11	7.22E-10	1.08E-10	3.99E-10	3.51E-11	5.42E-10	1.22E-11	6.99E-11	8.34E-12	9.05E-11	1.11E-11	3.66E-11	2.52E-12	5.02E-11
4283	469550.72	3818363.49	1.30E-10	5.47E-10	4.93E-11	7.27E-10	1.09E-10	4.02E-10	3.54E-11	5.46E-10	1.23E-11	7.05E-11	8.41E-12	9.12E-11	1.12E-11	3.69E-11	2.54E-12	5.06E-11
4284	469559.68	3818359.94	1.31E-10	5.51E-10	4.97E-11	7.32E-10	1.09E-10	4.05E-10	3.56E-11	5.50E-10	1.24E-11	7.10E-11	8.47E-12	9.18E-11	1.13E-11	3.72E-11	2.56E-12	5.10E-11
4285	469568.65	3818356.39	1.32E-10	5.55E-10	5.00E-11	7.37E-10	1.10E-10	4.08E-10	3.59E-11	5.54E-10	1.25E-11	7.14E-11	8.52E-12	9.24E-11	1.13E-11	3.74E-11	2.58E-12	5.13E-11
4286	469577.61	3818352.84	1.33E-10	5.60E-10	5.04E-11	7.43E-10	1.11E-10	4.11E-10	3.62E-11	5.58E-10	1.26E-11	7.20E-11	8.60E-12	9.32E-11	1.14E-11	3.77E-11	2.60E-12	5.18E-11
4287	469586.58	3818349.29	1.34E-10	5.64E-10	5.08E-11	7.49E-10	1.12E-10	4.15E-10	3.65E-11	5.63E-10	1.27E-11	7.26E-11	8.66E-12	9.40E-11	1.15E-11	3.80E-11	2.62E-12	5.22E-11
4288	469595.54	3818345.74	1.35E-10	5.69E-10	5.12E-11	7.55E-10	1.13E-10	4.18E-10	3.68E-11	5.68E-10	1.28E-11	7.32E-11	8.74E-12	9.48E-11	1.16E-11	3.83E-11	2.64E-12	5.26E-11
4289	469604.51	3818342.19	1.36E-10	5.73E-10	5.16E-11	7.61E-10	1.14E-10	4.21E-10	3.70E-11	5.72E-10	1.29E-11	7.38E-11	8.80E-12	9.54E-11	1.17E-11	3.86E-11	2.66E-12	5.30E-11
4290	469613.47	3818338.64	1.38E-10	5.78E-10	5.20E-11	7.67E-10	1.15E-10	4.24E-10	3.73E-11	5.76E-10	1.30E-11	7.44E-11	8.87E-12	9.62E-11	1.18E-11	3.89E-11	2.68E-12	5.34E-11
4291	469622.44	3818335.09	1.39E-10	5.82E-10	5.24E-11	7.74E-10	1.16E-10	4.28E-10	3.76E-11	5.81E-10	1.31E-11	7.50E-11	8.94E-12	9.70E-11	1.19E-11	3.93E-11	2.71E-12	5.39E-11
4292	469631.4	3818331.54	1.40E-10	5.88E-10	5.29E-11	7.80E-10	1.17E-10	4.32E-10	3.80E-11	5.86E-10	1.32E-11	7.56E-11	9.03E-12	9.79E-11	1.20E-11	3.96E-11	2.73E-12	5.43E-11
4293	469640.37	3818327.99	1.41E-10	5.92E-10	5.33E-11	7.86E-10	1.17E-10	4.35E-10	3.83E-11	5.91E-10	1.33E-11	7.62E-11	9.09E-12	9.86E-11	1.21E-11	3.99E-11	2.75E-12	5.48E-11
4294	469649.33	3818324.44	1.42E-10	5.97E-10	5.37E-11	7.93E-10	1.18E-10	4.38E-10	3.86E-11	5.95E-10	1.34E-11	7.68E-11	9.17E-12	9.94E-11	1.22E-11	4.02E-11	2.77E-12	5.52E-11
4295	469658.3	3818320.89	1.43E-10	6.02E-10	5.42E-11	7.99E-10	1.19E-10	4.42E-10	3.89E-11	6.00E-10	1.35E-11	7.75E-11	9.24E-12	1.00E-10	1.23E-11	4.06E-11	2.80E-12	5.57E-11
4296	469667.26	3818317.34	1.44E-10	6.06E-10	5.46E-11	8.05E-10	1.20E-10	4.46E-10	3.92E-11	6.05E-10	1.36E-11	7.81E-11	9.31E-12	1.01E-10	1.24E-11	4.09E-11	2.82E-12	5.61E-11

4297	469676.23	3818313.78	1.46E-10	6.11E-10	5.50E-11	8.12E-10	1.21E-10	4.49E-10	3.95E-11	6.10E-10	1.37E-11	7.87E-11	9.39E-12	1.02E-10	1.25E-11	4.12E-11	2.84E-12	5.65E-11
4298	469712.09	3818299.58	1.50E-10	6.30E-10	5.67E-11	8.37E-10	1.25E-10	4.63E-10	4.07E-11	6.29E-10	1.42E-11	8.11E-11	9.68E-12	1.05E-10	1.29E-11	4.25E-11	2.93E-12	5.83E-11
4299	469721.05	3818296.03	1.51E-10	6.35E-10	5.71E-11	8.43E-10	1.26E-10	4.66E-10	4.10E-11	6.33E-10	1.43E-11	8.17E-11	9.75E-12	1.06E-10	1.30E-11	4.28E-11	2.95E-12	5.87E-11
4300	469730.02	3818292.48	1.52E-10	6.39E-10	5.76E-11	8.49E-10	1.27E-10	4.70E-10	4.13E-11	6.38E-10	1.44E-11	8.23E-11	9.82E-12	1.06E-10	1.31E-11	4.31E-11	2.97E-12	5.91E-11
4301	469738.98	3818288.93	1.53E-10	6.44E-10	5.80E-11	8.55E-10	1.28E-10	4.73E-10	4.16E-11	6.42E-10	1.45E-11	8.29E-11	9.89E-12	1.07E-10	1.32E-11	4.34E-11	2.99E-12	5.95E-11
4302	469747.95	3818285.38	1.54E-10	6.48E-10	5.84E-11	8.61E-10	1.29E-10	4.76E-10	4.19E-11	6.47E-10	1.46E-11	8.34E-11	9.95E-12	1.08E-10	1.32E-11	4.37E-11	3.01E-12	5.99E-11
4303	469756.91	3818281.83	1.55E-10	6.52E-10	5.87E-11	8.66E-10	1.29E-10	4.79E-10	4.21E-11	6.50E-10	1.47E-11	8.39E-11	1.00E-11	1.09E-10	1.33E-11	4.39E-11	3.03E-12	6.03E-11
4304	469765.88	3818278.28	1.56E-10	6.55E-10	5.90E-11	8.70E-10	1.30E-10	4.81E-10	4.24E-11	6.54E-10	1.47E-11	8.43E-11	1.01E-11	1.09E-10	1.34E-11	4.42E-11	3.04E-12	6.06E-11
4305	469774.84	3818274.73	1.57E-10	6.58E-10	5.93E-11	8.74E-10	1.31E-10	4.84E-10	4.26E-11	6.57E-10	1.48E-11	8.47E-11	1.01E-11	1.10E-10	1.35E-11	4.44E-11	3.06E-12	6.09E-11
4306	469783.81	3818271.18	1.58E-10	6.61E-10	5.96E-11	8.79E-10	1.31E-10	4.86E-10	4.28E-11	6.60E-10	1.49E-11	8.51E-11	1.02E-11	1.10E-10	1.35E-11	4.46E-11	3.07E-12	6.12E-11
4307	469792.77	3818267.63	1.58E-10	6.64E-10	5.98E-11	8.82E-10	1.32E-10	4.88E-10	4.29E-11	6.63E-10	1.49E-11	8.55E-11	1.02E-11	1.11E-10	1.36E-11	4.48E-11	3.09E-12	6.14E-11
4308	469801.74	3818264.07	1.59E-10	6.66E-10	6.00E-11	8.85E-10	1.32E-10	4.90E-10	4.31E-11	6.65E-10	1.50E-11	8.58E-11	1.02E-11	1.11E-10	1.36E-11	4.49E-11	3.10E-12	6.16E-11
4309	469810.7	3818260.52	1.59E-10	6.69E-10	6.02E-11	8.88E-10	1.33E-10	4.91E-10	4.32E-11	6.67E-10	1.50E-11	8.61E-11	1.03E-11	1.11E-10	1.37E-11	4.51E-11	3.11E-12	6.19E-11
4310	469819.67	3818256.97	1.60E-10	6.71E-10	6.04E-11	8.91E-10	1.33E-10	4.93E-10	4.33E-11	6.69E-10	1.51E-11	8.63E-11	1.03E-11	1.12E-10	1.37E-11	4.52E-11	3.12E-12	6.20E-11
4311	469828.63	3818253.42	1.60E-10	6.72E-10	6.06E-11	8.93E-10	1.33E-10	4.94E-10	4.35E-11	6.71E-10	1.51E-11	8.66E-11	1.03E-11	1.12E-10	1.37E-11	4.53E-11	3.12E-12	6.22E-11
4312	469837.6	3818249.87	1.61E-10	6.74E-10	6.07E-11	8.96E-10	1.34E-10	4.95E-10	4.36E-11	6.73E-10	1.52E-11	8.68E-11	1.04E-11	1.12E-10	1.38E-11	4.54E-11	3.13E-12	6.24E-11
4313	469846.56	3818246.32	1.61E-10	6.76E-10	6.08E-11	8.97E-10	1.34E-10	4.96E-10	4.37E-11	6.74E-10	1.52E-11	8.70E-11	1.04E-11	1.13E-10	1.38E-11	4.55E-11	3.14E-12	6.25E-11
4314	469855.53	3818242.77	1.61E-10	6.77E-10	6.10E-11	8.99E-10	1.34E-10	4.98E-10	4.38E-11	6.76E-10	1.52E-11	8.72E-11	1.04E-11	1.13E-10	1.38E-11	4.56E-11	3.15E-12	6.26E-11
4315	469864.49	3818239.22	1.62E-10	6.79E-10	6.11E-11	9.01E-10	1.35E-10	4.99E-10	4.39E-11	6.77E-10	1.53E-11	8.74E-11	1.04E-11	1.13E-10	1.39E-11	4.57E-11	3.15E-12	6.28E-11
4316	469873.46	3818235.67	1.62E-10	6.80E-10	6.12E-11	9.03E-10	1.35E-10	5.00E-10	4.40E-11	6.78E-10	1.53E-11	8.75E-11	1.04E-11	1.13E-10	1.39E-11	4.58E-11	3.16E-12	6.29E-11
4317	469882.42	3818232.12	1.62E-10	6.82E-10	6.14E-11	9.06E-10	1.35E-10	5.01E-10	4.41E-11	6.80E-10	1.53E-11	8.78E-11	1.05E-11	1.14E-10	1.39E-11	4.60E-11	3.17E-12	6.31E-11
4318	469891.39	3818228.57	1.63E-10	6.84E-10	6.16E-11	9.08E-10	1.36E-10	5.03E-10	4.42E-11	6.82E-10	1.54E-11	8.80E-11	1.05E-11	1.14E-10	1.40E-11	4.61E-11	3.18E-12	6.33E-11
4319	469900.35	3818225.02	1.63E-10	6.87E-10	6.18E-11	9.12E-10	1.36E-10	5.04E-10	4.44E-11	6.85E-10	1.54E-11	8.84E-11	1.05E-11	1.14E-10	1.40E-11	4.63E-11	3.19E-12	6.35E-11
4320	469909.32	3818221.47	1.64E-10	6.90E-10	6.21E-11	9.16E-10	1.37E-10	5.07E-10	4.46E-11	6.88E-10	1.55E-11	8.88E-11	1.06E-11	1.15E-10	1.41E-11	4.65E-11	3.20E-12	6.38E-11
4321	469918.28	3818217.92	1.65E-10	6.93E-10	6.24E-11	9.20E-10	1.37E-10	5.09E-10	4.48E-11	6.91E-10	1.56E-11	8.92E-11	1.06E-11	1.15E-10	1.42E-11	4.67E-11	3.22E-12	6.41E-11
4322	469927.25	3818214.36	1.66E-10	6.96E-10	6.27E-11	9.25E-10	1.38E-10	5.12E-10	4.50E-11	6.95E-10	1.57E-11	8.96E-11	1.07E-11	1.16E-10	1.42E-11	4.69E-11	3.24E-12	6.44E-11
4323	469936.21	3818210.81	1.67E-10	7.00E-10	6.30E-11	9.29E-10	1.39E-10	5.14E-10	4.52E-11	6.98E-10	1.57E-11	9.01E-11	1.07E-11	1.17E-10	1.43E-11	4.72E-11	3.25E-12	6.47E-11
4324	469945.18	3818207.26	1.67E-10	7.03E-10	6.33E-11	9.34E-10	1.39E-10	5.17E-10	4.54E-11	7.01E-10	1.58E-11	9.05E-11	1.08E-11	1.17E-10	1.44E-11	4.74E-11	3.27E-12	6.50E-11
4325	469954.14	3818203.71	1.68E-10	7.07E-10	6.37E-11	9.39E-10	1.40E-10	5.20E-10	4.57E-11	7.06E-10	1.59E-11	9.10E-11	1.09E-11	1.18E-10	1.45E-11	4.77E-11	3.29E-12	6.54E-11
4326	469963.11	3818200.16	1.70E-10	7.12E-10	6.41E-11	9.46E-10	1.41E-10	5.23E-10	4.60E-11	7.10E-10	1.60E-11	9.17E-11	1.09E-11	1.19E-10	1.46E-11	4.80E-11	3.31E-12	6.59E-11
4327	469972.07	3818196.61	1.71E-10	7.18E-10	6.46E-11	9.53E-10	1.42E-10	5.27E-10	4.64E-11	7.16E-10	1.61E-11	9.24E-11	1.10E-11	1.20E-10	1.47E-11	4.84E-11	3.34E-12	6.64E-11
4328	469981.04	3818193.06	1.72E-10	7.23E-10	6.51E-11	9.61E-10	1.43E-10	5.31E-10	4.68E-11	7.22E-10	1.63E-11	9.31E-11	1.11E-11	1.20E-10	1.48E-11	4.88E-11	3.36E-12	6.69E-11
4329	469990	3818189.51	1.74E-10	7.29E-10	6.56E-11	9.68E-10	1.45E-10	5.36E-10	4.71E-11	7.27E-10	1.64E-11	9.38E-11	1.12E-11	1.21E-10	1.49E-11	4.91E-11	3.39E-12	6.74E-11
4330	469998.97	3818185.96	1.75E-10	7.34E-10	6.61E-11	9.75E-10	1.46E-10	5.40E-10	4.75E-11	7.33E-10	1.65E-11	9.45E-11	1.13E-11	1.22E-10	1.50E-11	4.95E-11	3.41E-12	6.79E-11
4331	470007.93	3818182.41	1.76E-10	7.40E-10	6.66E-11	9.82E-10	1.47E-10	5.44E-10	4.78E-11	7.38E-10	1.66E-11	9.52E-11	1.14E-11	1.23E-10	1.51E-11	4.99E-11	3.44E-12	6.84E-11
4332	470043.79	3818168.21	1.80E-10	7.57E-10	6.82E-11	1.01E-09	1.50E-10	5.57E-10	4.90E-11	7.56E-10	1.70E-11	9.75E-11	1.16E-11	1.26E-10	1.55E-11	5.11E-11	3.52E-12	7.01E-11
4333	470052.76	3818164.66	1.81E-10	7.60E-10	6.85E-11	1.01E-09	1.51E-10	5.59E-10	4.91E-11	7.59E-10	1.71E-11	9.79E-11	1.17E-11	1.27E-10	1.55E-11	5.12E-11	3.53E-12	7.03E-11
4334	470061.72	3818161.1	1.82E-10	7.62E-10	6.87E-11	1.01E-09	1.51E-10	5.60E-10	4.93E-11	7.61E-10	1.71E-11	9.81E-11	1.17E-11	1.27E-10	1.56E-11	5.14E-11	3.54E-12	7.05E-11
4335	470070.69	3818157.55	1.82E-10	7.63E-10	6.87E-11	1.01E-09	1.51E-10	5.61E-10	4.93E-11	7.62E-10	1.72E-11	9.82E-11	1.17E-11	1.27E-10	1.56E-11	5.14E-11	3.55E-12	7.06E-11
4336	470079.65	3818154	1.82E-10	7.63E-10	6.87E-11	1.01E-09	1.51E-10	5.61E-10	4.93E-11	7.61E-10	1.72E-11	9.82E-11	1.17E-11	1.27E-10	1.56E-11	5.14E-11	3.54E-12	7.06E-11
4337	470088.62	3818150.45	1.77E-10	7.44E-10	6.70E-11	9.89E-10	1.48E-10	5.47E-10	4.81E-11	7.43E-10	1.67E-11	9.58E-11	1.14E-11	1.24E-10	1.52E-11	5.02E-11	3.46E-12	6.89E-11
4338	470097.58	3818146.9	1.77E-10	7.43E-10	6.69E-11	9.86E-10	1.47E-10	5.46E-10	4.80E-11	7.41E-10	1.67E-11	9.56E-11	1.14E-11	1.24E-10	1.52E-11	5.01E-11	3.45E-12	6.87E-11
4339	470106.55	3818143.35	1.76E-10	7.40E-10	6.66E-11	9.83E-10	1.47E-10	5.44E-10	4.78E-11	7.38E-10	1.66E-11	9.53E-11	1.14E-11	1.23E-10	1.51E-11	4.99E-11	3.44E-12	6.84E-11
4340	470115.51	3818139.8	1.75E-10	7.37E-10	6.63E-11	9.78E-10	1.46E-10	5.41E-10	4.76E-11	7.35E-10	1.66E-11	9.48E-11	1.13E-11	1.23E-10	1.51E-11	4.96E-11	3.42E-12	6.81E-11
4341	469008.78	3819233.42	5.09E-11	2.14E-10	1.93E-11	2.84E-10	4.24E-11	1.57E-10	1.38E-11	2.13E-10	4.81E-12	2.75E-11	3.29E-12	3.56E-11	4.37E-12	1.44E-11	9.94E-13	1.98E-11
4342	469008.59	3819243.06	5.19E-11	2.18E-10	1.96E-11	2.89E-10	4.32E-11	1.60E-10	1.41E-11	2.17E-10	4.90E-12	2.80E-11	3.35E-12	3.63E-11	4.45E-12	1.47E-11	1.01E-12	2.02E-11
4343	469008.4	3819252.71	5.28E-11	2.22E-10	2.00E-11	2.94E-10	4.39E-11	1.63E-10	1.43E-11	2.21E-10	4.98E-12	2.85E-11	3.40E-12	3.69E-11	4.53E-12	1.49E-11	1.03E-12	2.05E-11
4344	469008.2	3819262.36	5.36E-11	2.25E-10	2.03E-11	2.99E-10	4.47E-11	1.65E-10	1.46E-11	2.25E-10	5.06E-12	2.90E-11	3.46E-12	3.75E-11	4.60E-12	1.52E-11	1.05E-12	2.08E-11
4345	469008.01	3819272.01	5.44E-11	2.29E-10	2.06E-11	3.04E-10	4.53E-11	1.68E-10	1.48E-11	2.28E-10	5.14E-12	2.94E-11	3.51E-12	3.81E-11	4.67E-12	1.54E-11	1.06E-12	2.11E-11
4346	469007.82	3819281.66	5.53E-11	2.32E-10	2.09E-11	3.08E-10	4.61E-11	1.71E-10	1.50E-11	2.32E-10	5.22E-12	2.99E-11	3.57E-12	3.87E-11	4.75E-12	1.57E-11	1.08E-12	2.15E-11

4347	469007.62	3819291.3	5.61E-11	2.36E-10	2.12E-11	3.13E-10	4.67E-11	1.73E-10	1.52E-11	2.35E-10	5.30E-12	3.03E-11	3.62E-12	3.92E-11	4.82E-12	1.59E-11	1.09E-12	2.18E-11
4348	469007.43	3819300.95	5.69E-11	2.39E-10	2.15E-11	3.17E-10	4.74E-11	1.76E-10	1.54E-11	2.38E-10	5.37E-12	3.08E-11	3.67E-12	3.98E-11	4.89E-12	1.61E-11	1.11E-12	2.21E-11
4349	469007.24	3819310.6	5.77E-11	2.42E-10	2.18E-11	3.22E-10	4.80E-11	1.78E-10	1.57E-11	2.42E-10	5.44E-12	3.12E-11	3.72E-12	4.03E-11	4.95E-12	1.63E-11	1.13E-12	2.24E-11
4350	469007.05	3819320.25	5.84E-11	2.45E-10	2.21E-11	3.26E-10	4.86E-11	1.80E-10	1.59E-11	2.45E-10	5.52E-12	3.16E-11	3.77E-12	4.09E-11	5.01E-12	1.65E-11	1.14E-12	2.27E-11
4351	469006.85	3819329.9	5.92E-11	2.48E-10	2.24E-11	3.30E-10	4.93E-11	1.83E-10	1.61E-11	2.48E-10	5.59E-12	3.20E-11	3.82E-12	4.14E-11	5.08E-12	1.67E-11	1.15E-12	2.30E-11
4352	469006.66	3819339.55	5.98E-11	2.51E-10	2.26E-11	3.33E-10	4.98E-11	1.84E-10	1.62E-11	2.50E-10	5.64E-12	3.23E-11	3.86E-12	4.18E-11	5.13E-12	1.69E-11	1.17E-12	2.32E-11
4353	469006.47	3819349.19	6.05E-11	2.54E-10	2.29E-11	3.37E-10	5.04E-11	1.87E-10	1.64E-11	2.53E-10	5.71E-12	3.27E-11	3.90E-12	4.23E-11	5.19E-12	1.71E-11	1.18E-12	2.35E-11
4354	469006.27	3819358.84	6.11E-11	2.56E-10	2.31E-11	3.41E-10	5.09E-11	1.88E-10	1.66E-11	2.56E-10	5.77E-12	3.30E-11	3.94E-12	4.27E-11	5.24E-12	1.73E-11	1.19E-12	2.37E-11
4355	469006.08	3819368.49	6.17E-11	2.59E-10	2.33E-11	3.44E-10	5.14E-11	1.90E-10	1.67E-11	2.59E-10	5.83E-12	3.34E-11	3.98E-12	4.32E-11	5.30E-12	1.75E-11	1.20E-12	2.40E-11
4356	469005.89	3819378.14	6.23E-11	2.61E-10	2.35E-11	3.47E-10	5.19E-11	1.92E-10	1.69E-11	2.61E-10	5.88E-12	3.37E-11	4.02E-12	4.36E-11	5.34E-12	1.76E-11	1.21E-12	2.42E-11
4357	469005.69	3819387.79	6.28E-11	2.64E-10	2.38E-11	3.50E-10	5.23E-11	1.94E-10	1.71E-11	2.63E-10	5.93E-12	3.40E-11	4.05E-12	4.39E-11	5.39E-12	1.78E-11	1.23E-12	2.44E-11
4358	469005.5	3819397.43	6.34E-11	2.66E-10	2.40E-11	3.54E-10	5.28E-11	1.96E-10	1.72E-11	2.66E-10	5.99E-12	3.43E-11	4.09E-12	4.44E-11	5.45E-12	1.80E-11	1.24E-12	2.46E-11
4359	469005.31	3819407.08	6.50E-11	2.73E-10	2.46E-11	3.63E-10	5.41E-11	2.01E-10	1.76E-11	2.72E-10	6.14E-12	3.51E-11	4.19E-12	4.55E-11	5.58E-12	1.84E-11	1.27E-12	2.52E-11
4360	469005.11	3819416.73	6.59E-11	2.77E-10	2.49E-11	3.67E-10	5.49E-11	2.03E-10	1.79E-11	2.76E-10	6.22E-12	3.56E-11	4.25E-12	4.61E-11	5.65E-12	1.86E-11	1.29E-12	2.56E-11
4361	469004.92	3819426.38	6.68E-11	2.81E-10	2.53E-11	3.73E-10	5.56E-11	2.06E-10	1.81E-11	2.80E-10	6.31E-12	3.61E-11	4.31E-12	4.67E-11	5.73E-12	1.89E-11	1.30E-12	2.59E-11
4362	469078.44	3818870.28	5.01E-11	2.11E-10	1.90E-11	2.80E-10	4.18E-11	1.55E-10	1.36E-11	2.10E-10	4.73E-12	2.71E-11	3.23E-12	3.51E-11	4.30E-12	1.42E-11	9.78E-13	1.95E-11
4363	469082.27	3818861.5	5.10E-11	2.14E-10	1.93E-11	2.85E-10	4.25E-11	1.57E-10	1.38E-11	2.14E-10	4.82E-12	2.76E-11	3.29E-12	3.57E-11	4.38E-12	1.44E-11	9.95E-13	1.98E-11
4364	469086.09	3818852.73	5.19E-11	2.18E-10	1.96E-11	2.89E-10	4.32E-11	1.60E-10	1.41E-11	2.17E-10	4.90E-12	2.80E-11	3.35E-12	3.63E-11	4.45E-12	1.47E-11	1.01E-12	2.02E-11
4365	469089.92	3818843.95	5.29E-11	2.22E-10	2.00E-11	2.95E-10	4.40E-11	1.63E-10	1.44E-11	2.22E-10	4.99E-12	2.86E-11	3.41E-12	3.70E-11	4.54E-12	1.50E-11	1.03E-12	2.05E-11
4366	469093.75	3818835.18	5.38E-11	2.26E-10	2.03E-11	3.00E-10	4.48E-11	1.66E-10	1.46E-11	2.25E-10	5.08E-12	2.91E-11	3.47E-12	3.76E-11	4.62E-12	1.52E-11	1.05E-12	2.09E-11
4367	469097.58	3818826.4	5.47E-11	2.30E-10	2.07E-11	3.05E-10	4.55E-11	1.69E-10	1.48E-11	2.29E-10	5.16E-12	2.96E-11	3.53E-12	3.82E-11	4.69E-12	1.55E-11	1.07E-12	2.12E-11
4368	469101.4	3818817.63	5.56E-11	2.34E-10	2.10E-11	3.10E-10	4.63E-11	1.72E-10	1.51E-11	2.33E-10	5.25E-12	3.01E-11	3.59E-12	3.89E-11	4.77E-12	1.57E-11	1.09E-12	2.16E-11
4369	469105.23	3818808.85	5.66E-11	2.38E-10	2.14E-11	3.16E-10	4.71E-11	1.75E-10	1.54E-11	2.37E-10	5.35E-12	3.06E-11	3.65E-12	3.96E-11	4.86E-12	1.60E-11	1.10E-12	2.20E-11
4370	469109.06	3818800.08	5.76E-11	2.42E-10	2.18E-11	3.21E-10	4.80E-11	1.78E-10	1.56E-11	2.41E-10	5.44E-12	3.11E-11	3.72E-12	4.03E-11	4.94E-12	1.63E-11	1.12E-12	2.24E-11
4371	469112.88	3818791.3	5.87E-11	2.47E-10	2.22E-11	3.28E-10	4.89E-11	1.81E-10	1.59E-11	2.46E-10	5.54E-12	3.17E-11	3.79E-12	4.11E-11	5.04E-12	1.66E-11	1.15E-12	2.28E-11
4372	469116.71	3818782.53	5.98E-11	2.51E-10	2.26E-11	3.33E-10	4.98E-11	1.84E-10	1.62E-11	2.50E-10	5.64E-12	3.23E-11	3.86E-12	4.18E-11	5.13E-12	1.69E-11	1.17E-12	2.32E-11
4373	469120.54	3818773.75	6.09E-11	2.56E-10	2.30E-11	3.40E-10	5.07E-11	1.88E-10	1.65E-11	2.55E-10	5.75E-12	3.29E-11	3.93E-12	4.26E-11	5.23E-12	1.72E-11	1.19E-12	2.37E-11
4374	469124.36	3818764.97	6.19E-11	2.60E-10	2.34E-11	3.46E-10	5.16E-11	1.91E-10	1.68E-11	2.60E-10	5.85E-12	3.35E-11	4.00E-12	4.33E-11	5.32E-12	1.75E-11	1.21E-12	2.41E-11
4375	469128.19	3818756.2	6.31E-11	2.65E-10	2.39E-11	3.52E-10	5.25E-11	1.95E-10	1.71E-11	2.64E-10	5.96E-12	3.41E-11	4.07E-12	4.41E-11	5.41E-12	1.79E-11	1.23E-12	2.45E-11
4376	469132.02	3818747.42	6.42E-11	2.70E-10	2.43E-11	3.58E-10	5.35E-11	1.98E-10	1.74E-11	2.69E-10	6.06E-12	3.47E-11	4.14E-12	4.49E-11	5.51E-12	1.82E-11	1.25E-12	2.49E-11
4377	469135.85	3818738.65	6.52E-11	2.74E-10	2.47E-11	3.64E-10	5.43E-11	2.01E-10	1.77E-11	2.73E-10	6.16E-12	3.53E-11	4.21E-12	4.56E-11	5.60E-12	1.85E-11	1.27E-12	2.53E-11
4378	469139.67	3818729.87	6.63E-11	2.78E-10	2.51E-11	3.70E-10	5.52E-11	2.05E-10	1.80E-11	2.78E-10	6.26E-12	3.58E-11	4.28E-12	4.64E-11	5.69E-12	1.88E-11	1.29E-12	2.58E-11
4379	469143.5	3818721.1	6.73E-11	2.83E-10	2.54E-11	3.75E-10	5.60E-11	2.08E-10	1.83E-11	2.82E-10	6.35E-12	3.64E-11	4.34E-12	4.71E-11	5.78E-12	1.90E-11	1.31E-12	2.61E-11
4380	469147.33	3818712.32	6.83E-11	2.87E-10	2.58E-11	3.81E-10	5.69E-11	2.11E-10	1.86E-11	2.86E-10	6.45E-12	3.69E-11	4.41E-12	4.78E-11	5.87E-12	1.93E-11	1.33E-12	2.65E-11
4381	469151.15	3818703.55	6.93E-11	2.91E-10	2.62E-11	3.86E-10	5.77E-11	2.14E-10	1.88E-11	2.90E-10	6.54E-12	3.75E-11	4.47E-12	4.85E-11	5.95E-12	1.96E-11	1.35E-12	2.69E-11
4382	469154.98	3818694.77	7.02E-11	2.95E-10	2.66E-11	3.92E-10	5.85E-11	2.17E-10	1.91E-11	2.94E-10	6.63E-12	3.80E-11	4.53E-12	4.91E-11	6.03E-12	1.99E-11	1.37E-12	2.73E-11
4383	469158.81	3818686	7.11E-11	2.99E-10	2.69E-11	3.97E-10	5.93E-11	2.20E-10	1.93E-11	2.98E-10	6.72E-12	3.85E-11	4.59E-12	4.98E-11	6.11E-12	2.01E-11	1.39E-12	2.76E-11
4384	469162.63	3818677.22	7.20E-11	3.02E-10	2.72E-11	4.02E-10	6.00E-11	2.22E-10	1.95E-11	3.02E-10	6.80E-12	3.89E-11	4.64E-12	5.04E-11	6.18E-12	2.04E-11	1.41E-12	2.80E-11
4385	469166.46	3818668.45	7.28E-11	3.06E-10	2.75E-11	4.06E-10	6.07E-11	2.25E-10	1.98E-11	3.05E-10	6.88E-12	3.94E-11	4.70E-12	5.09E-11	6.25E-12	2.06E-11	1.42E-12	2.83E-11
4386	469170.29	3818659.67	7.36E-11	3.09E-10	2.78E-11	4.11E-10	6.13E-11	2.27E-10	2.00E-11	3.09E-10	6.95E-12	3.98E-11	4.75E-12	5.15E-11	6.32E-12	2.08E-11	1.44E-12	2.86E-11
4387	469174.12	3818650.9	7.43E-11	3.12E-10	2.81E-11	4.14E-10	6.19E-11	2.29E-10	2.02E-11	3.11E-10	7.02E-12	4.02E-11	4.79E-12	5.20E-11	6.38E-12	2.10E-11	1.45E-12	2.89E-11
4388	469177.94	3818642.12	7.50E-11	3.15E-10	2.84E-11	4.18E-10	6.25E-11	2.31E-10	2.04E-11	3.14E-10	7.08E-12	4.05E-11	4.84E-12	5.25E-11	6.44E-12	2.12E-11	1.46E-12	2.91E-11
4389	469181.77	3818633.34	7.56E-11	3.18E-10	2.86E-11	4.22E-10	6.30E-11	2.33E-10	2.05E-11	3.17E-10	7.14E-12	4.09E-11	4.88E-12	5.29E-11	6.49E-12	2.14E-11	1.48E-12	2.94E-11
4390	469185.6	3818624.57	7.62E-11	3.20E-10	2.88E-11	4.25E-10	6.34E-11	2.35E-10	2.07E-11	3.19E-10	7.19E-12	4.12E-11	4.91E-12	5.33E-11	6.54E-12	2.16E-11	1.49E-12	2.96E-11
4391	469189.42	3818615.79	7.67E-11	3.22E-10	2.90E-11	4.28E-10	6.39E-11	2.37E-10	2.08E-11	3.22E-10	7.25E-12	4.15E-11	4.95E-12	5.37E-11	6.59E-12	2.17E-11	1.50E-12	2.98E-11
4392	469193.25	3818607.02	7.72E-11	3.24E-10	2.92E-11	4.31E-10	6.43E-11	2.38E-10	2.10E-11	3.24E-10	7.29E-12	4.18E-11	4.98E-12	5.40E-11	6.63E-12	2.19E-11	1.51E-12	3.00E-11
4393	469197.08	3818598.24	7.77E-11	3.26E-10	2.94E-11	4.33E-10	6.47E-11	2.40E-10	2.11E-11	3.25E-10	7.33E-12	4.20E-11	5.01E-12	5.43E-11	6.67E-12	2.20E-11	1.52E-12	3.02E-11
4394	469200.91	3818589.47	7.80E-11	3.28E-10	2.95E-11	4.35E-10	6.50E-11	2.41E-10	2.12E-11	3.27E-10	7.37E-12	4.22E-11	5.03E-12	5.46E-11	6.70E-12	2.21E-11	1.52E-12	3.03E-11
4395	469204.73	3818580.69	7.84E-11	3.29E-10	2.97E-11	4.37E-10	6.53E-11	2.42E-10	2.13E-11	3.29E-10	7.40E-12	4.24E-11	5.06E-12	5.49E-11	6.73E-12	2.22E-11	1.53E-12	3.05E-11
4396	469208.56	3818571.92	7.87E-11	3.31E-10	2.98E-11	4.39E-10	6.56E-11	2.43E-10	2.14E-11	3.30E-10	7.43E-12	4.26E-11	5.08E-12	5.51E-11	6.76E-12	2.23E-11	1.54E-12	3.06E-11

4397	469212.39	3818563.14	7.90E-11	3.32E-10	2.99E-11	4.41E-10	6.58E-11	2.44E-10	2.15E-11	3.31E-10	7.46E-12	4.27E-11	5.10E-12	5.53E-11	6.78E-12	2.24E-11	1.54E-12	3.07E-11
4398	469216.21	3818554.37	7.93E-11	3.33E-10	3.00E-11	4.43E-10	6.61E-11	2.45E-10	2.15E-11	3.32E-10	7.49E-12	4.29E-11	5.12E-12	5.55E-11	6.81E-12	2.25E-11	1.55E-12	3.08E-11
4399	469220.04	3818545.59	7.96E-11	3.34E-10	3.01E-11	4.44E-10	6.63E-11	2.46E-10	2.16E-11	3.34E-10	7.52E-12	4.30E-11	5.13E-12	5.57E-11	6.83E-12	2.25E-11	1.55E-12	3.09E-11
4400	469223.87	3818536.82	7.98E-11	3.35E-10	3.02E-11	4.45E-10	6.65E-11	2.46E-10	2.17E-11	3.35E-10	7.54E-12	4.32E-11	5.15E-12	5.59E-11	6.85E-12	2.26E-11	1.56E-12	3.10E-11
4401	469227.69	3818528.04	8.00E-11	3.36E-10	3.03E-11	4.46E-10	6.67E-11	2.47E-10	2.17E-11	3.35E-10	7.56E-12	4.33E-11	5.16E-12	5.60E-11	6.87E-12	2.27E-11	1.56E-12	3.11E-11
4402	469231.52	3818519.26	8.03E-11	3.37E-10	3.04E-11	4.48E-10	6.69E-11	2.48E-10	2.18E-11	3.36E-10	7.58E-12	4.34E-11	5.18E-12	5.62E-11	6.89E-12	2.27E-11	1.57E-12	3.12E-11
4403	469235.35	3818510.49	8.05E-11	3.38E-10	3.05E-11	4.49E-10	6.71E-11	2.48E-10	2.19E-11	3.37E-10	7.60E-12	4.35E-11	5.19E-12	5.63E-11	6.91E-12	2.28E-11	1.57E-12	3.13E-11
4404	469239.18	3818501.71	8.08E-11	3.39E-10	3.05E-11	4.51E-10	6.73E-11	2.49E-10	2.19E-11	3.38E-10	7.63E-12	4.37E-11	5.21E-12	5.65E-11	6.93E-12	2.29E-11	1.58E-12	3.14E-11
4405	469243	3818492.94	8.09E-11	3.40E-10	3.06E-11	4.51E-10	6.74E-11	2.50E-10	2.20E-11	3.39E-10	7.64E-12	4.37E-11	5.22E-12	5.66E-11	6.94E-12	2.29E-11	1.58E-12	3.14E-11
4406	469246.83	3818484.16	8.11E-11	3.41E-10	3.07E-11	4.52E-10	6.75E-11	2.50E-10	2.20E-11	3.40E-10	7.66E-12	4.38E-11	5.23E-12	5.67E-11	6.96E-12	2.30E-11	1.58E-12	3.15E-11
4407	469250.66	3818475.39	8.13E-11	3.41E-10	3.07E-11	4.53E-10	6.77E-11	2.51E-10	2.21E-11	3.41E-10	7.67E-12	4.39E-11	5.24E-12	5.69E-11	6.98E-12	2.30E-11	1.59E-12	3.16E-11
4408	469254.48	3818466.61	8.15E-11	3.42E-10	3.08E-11	4.55E-10	6.79E-11	2.52E-10	2.21E-11	3.42E-10	7.70E-12	4.41E-11	5.26E-12	5.70E-11	7.00E-12	2.31E-11	1.59E-12	3.17E-11
4409	469258.31	3818457.84	8.19E-11	3.44E-10	3.10E-11	4.57E-10	6.82E-11	2.53E-10	2.22E-11	3.43E-10	7.73E-12	4.43E-11	5.28E-12	5.73E-11	7.03E-12	2.32E-11	1.60E-12	3.18E-11
4410	469297.83	3818384.11	8.62E-11	3.62E-10	3.26E-11	4.81E-10	7.18E-11	2.66E-10	2.34E-11	3.61E-10	8.14E-12	4.66E-11	5.56E-12	6.03E-11	7.40E-12	2.44E-11	1.68E-12	3.35E-11
4411	469306.73	3818380.58	8.77E-11	3.68E-10	3.32E-11	4.89E-10	7.31E-11	2.71E-10	2.38E-11	3.68E-10	8.28E-12	4.74E-11	5.66E-12	6.14E-11	7.53E-12	2.48E-11	1.71E-12	3.41E-11
4412	469315.63	3818377.06	8.92E-11	3.75E-10	3.37E-11	4.98E-10	7.43E-11	2.75E-10	2.42E-11	3.74E-10	8.43E-12	4.82E-11	5.75E-12	6.24E-11	7.66E-12	2.53E-11	1.74E-12	3.47E-11
4413	469324.53	3818373.53	9.07E-11	3.81E-10	3.43E-11	5.06E-10	7.56E-11	2.80E-10	2.46E-11	3.80E-10	8.57E-12	4.90E-11	5.85E-12	6.35E-11	7.79E-12	2.57E-11	1.77E-12	3.52E-11
4414	469333.43	3818370.01	9.23E-11	3.87E-10	3.49E-11	5.15E-10	7.69E-11	2.85E-10	2.50E-11	3.87E-10	8.71E-12	4.99E-11	5.95E-12	6.45E-11	7.92E-12	2.61E-11	1.80E-12	3.58E-11
4415	469342.33	3818366.48	9.38E-11	3.94E-10	3.55E-11	5.23E-10	7.81E-11	2.89E-10	2.55E-11	3.93E-10	8.85E-12	5.07E-11	6.05E-12	6.56E-11	8.05E-12	2.65E-11	1.83E-12	3.64E-11
4416	469351.23	3818362.96	9.52E-11	4.00E-10	3.60E-11	5.31E-10	7.93E-11	2.94E-10	2.59E-11	3.99E-10	8.99E-12	5.15E-11	6.14E-12	6.66E-11	8.18E-12	2.70E-11	1.86E-12	3.70E-11
4417	469360.13	3818359.43	9.67E-11	4.06E-10	3.66E-11	5.39E-10	8.05E-11	2.98E-10	2.62E-11	4.05E-10	9.13E-12	5.23E-11	6.24E-12	6.76E-11	8.30E-12	2.74E-11	1.89E-12	3.76E-11
4418	469369.03	3818355.91	9.80E-11	4.11E-10	3.71E-11	5.47E-10	8.16E-11	3.02E-10	2.66E-11	4.11E-10	9.25E-12	5.30E-11	6.32E-12	6.85E-11	8.41E-12	2.77E-11	1.91E-12	3.81E-11
4419	469377.94	3818352.38	9.94E-11	4.17E-10	3.76E-11	5.54E-10	8.28E-11	3.07E-10	2.70E-11	4.16E-10	9.38E-12	5.37E-11	6.41E-12	6.95E-11	8.53E-12	2.81E-11	1.94E-12	3.86E-11
4420	469386.84	3818348.86	1.01E-10	4.22E-10	3.80E-11	5.61E-10	8.38E-11	3.10E-10	2.73E-11	4.22E-10	9.50E-12	5.44E-11	6.49E-12	7.04E-11	8.64E-12	2.85E-11	1.96E-12	3.91E-11
4421	469395.74	3818345.33	1.02E-10	4.28E-10	3.85E-11	5.68E-10	8.49E-11	3.14E-10	2.77E-11	4.27E-10	9.62E-12	5.51E-11	6.57E-12	7.13E-11	8.75E-12	2.88E-11	1.99E-12	3.96E-11
4422	469404.64	3818341.81	1.03E-10	4.33E-10	3.90E-11	5.75E-10	8.59E-11	3.18E-10	2.80E-11	4.32E-10	9.73E-12	5.57E-11	6.65E-12	7.21E-11	8.85E-12	2.92E-11	2.01E-12	4.00E-11
4423	469413.54	3818338.28	1.04E-10	4.38E-10	3.94E-11	5.82E-10	8.68E-11	3.22E-10	2.83E-11	4.37E-10	9.85E-12	5.64E-11	6.72E-12	7.29E-11	8.95E-12	2.95E-11	2.03E-12	4.05E-11
4424	469422.44	3818334.76	1.05E-10	4.42E-10	3.98E-11	5.87E-10	8.77E-11	3.25E-10	2.86E-11	4.41E-10	9.94E-12	5.69E-11	6.79E-12	7.37E-11	9.04E-12	2.98E-11	2.05E-12	4.09E-11
4425	469431.34	3818331.23	1.06E-10	4.46E-10	4.02E-11	5.93E-10	8.86E-11	3.28E-10	2.89E-11	4.45E-10	1.00E-11	5.75E-11	6.86E-12	7.44E-11	9.13E-12	3.01E-11	2.07E-12	4.13E-11
4426	469440.24	3818327.7	1.07E-10	4.51E-10	4.06E-11	5.99E-10	8.94E-11	3.31E-10	2.91E-11	4.50E-10	1.01E-11	5.80E-11	6.93E-12	7.51E-11	9.22E-12	3.04E-11	2.09E-12	4.17E-11
4427	469449.14	3818324.18	1.08E-10	4.55E-10	4.10E-11	6.04E-10	9.02E-11	3.34E-10	2.94E-11	4.54E-10	1.02E-11	5.85E-11	6.99E-12	7.58E-11	9.30E-12	3.07E-11	2.11E-12	4.21E-11
4428	469458.04	3818320.65	1.09E-10	4.58E-10	4.13E-11	6.09E-10	9.09E-11	3.37E-10	2.96E-11	4.57E-10	1.03E-11	5.90E-11	7.04E-12	7.63E-11	9.37E-12	3.09E-11	2.13E-12	4.24E-11
4429	469466.94	3818317.13	1.10E-10	4.62E-10	4.16E-11	6.13E-10	9.15E-11	3.39E-10	2.98E-11	4.61E-10	1.04E-11	5.94E-11	7.09E-12	7.69E-11	9.44E-12	3.11E-11	2.14E-12	4.27E-11
4430	469475.84	3818313.6	1.11E-10	4.65E-10	4.19E-11	6.18E-10	9.22E-11	3.42E-10	3.01E-11	4.64E-10	1.05E-11	5.99E-11	7.14E-12	7.75E-11	9.50E-12	3.13E-11	2.16E-12	4.30E-11
4431	469484.75	3818310.08	1.11E-10	4.68E-10	4.22E-11	6.22E-10	9.28E-11	3.44E-10	3.03E-11	4.67E-10	1.05E-11	6.03E-11	7.19E-12	7.80E-11	9.57E-12	3.16E-11	2.17E-12	4.33E-11
4432	469493.65	3818306.55	1.12E-10	4.71E-10	4.24E-11	6.26E-10	9.35E-11	3.46E-10	3.05E-11	4.70E-10	1.06E-11	6.07E-11	7.24E-12	7.85E-11	9.63E-12	3.18E-11	2.19E-12	4.36E-11
4433	469502.55	3818303.03	1.13E-10	4.74E-10	4.27E-11	6.30E-10	9.40E-11	3.48E-10	3.06E-11	4.73E-10	1.07E-11	6.10E-11	7.28E-12	7.90E-11	9.69E-12	3.20E-11	2.20E-12	4.39E-11
4434	469511.45	3818299.5	1.14E-10	4.77E-10	4.30E-11	6.34E-10	9.47E-11	3.51E-10	3.08E-11	4.76E-10	1.07E-11	6.14E-11	7.33E-12	7.95E-11	9.76E-12	3.22E-11	2.22E-12	4.41E-11
4435	469520.35	3818295.98	1.15E-10	4.81E-10	4.33E-11	6.39E-10	9.54E-11	3.53E-10	3.11E-11	4.80E-10	1.08E-11	6.19E-11	7.39E-12	8.01E-11	9.83E-12	3.24E-11	2.23E-12	4.45E-11
4436	469529.25	3818292.45	1.15E-10	4.85E-10	4.36E-11	6.44E-10	9.61E-11	3.56E-10	3.13E-11	4.83E-10	1.09E-11	6.24E-11	7.44E-12	8.07E-11	9.91E-12	3.27E-11	2.25E-12	4.48E-11
4437	469538.15	3818288.93	1.16E-10	4.88E-10	4.39E-11	6.48E-10	9.68E-11	3.59E-10	3.15E-11	4.87E-10	1.10E-11	6.28E-11	7.49E-12	8.13E-11	9.97E-12	3.29E-11	2.27E-12	4.51E-11
4438	469547.05	3818285.4	1.17E-10	4.91E-10	4.42E-11	6.53E-10	9.75E-11	3.61E-10	3.18E-11	4.90E-10	1.10E-11	6.32E-11	7.55E-12	8.18E-11	1.00E-11	3.31E-11	2.28E-12	4.54E-11
4439	469555.95	3818281.88	1.18E-10	4.95E-10	4.46E-11	6.57E-10	9.81E-11	3.64E-10	3.20E-11	4.94E-10	1.11E-11	6.37E-11	7.60E-12	8.24E-11	1.01E-11	3.33E-11	2.30E-12	4.58E-11
4440	469564.85	3818278.35	1.19E-10	4.98E-10	4.49E-11	6.62E-10	9.88E-11	3.66E-10	3.22E-11	4.97E-10	1.12E-11	6.42E-11	7.65E-12	8.30E-11	1.02E-11	3.36E-11	2.32E-12	4.61E-11
4441	469573.75	3818274.83	1.20E-10	5.02E-10	4.52E-11	6.67E-10	9.96E-11	3.69E-10	3.25E-11	5.01E-10	1.13E-11	6.47E-11	7.71E-12	8.37E-11	1.03E-11	3.39E-11	2.33E-12	4.65E-11
4442	469582.66	3818271.3	1.20E-10	5.06E-10	4.56E-11	6.72E-10	1.00E-10	3.72E-10	3.27E-11	5.05E-10	1.14E-11	6.51E-11	7.77E-12	8.43E-11	1.03E-11	3.41E-11	2.35E-12	4.68E-11
4443	469591.56	3818267.77	1.21E-10	5.10E-10	4.59E-11	6.77E-10	1.01E-10	3.74E-10	3.29E-11	5.08E-10	1.15E-11	6.56E-11	7.83E-12	8.49E-11	1.04E-11	3.43E-11	2.37E-12	4.71E-11
4444	469600.46	3818264.25	1.22E-10	5.14E-10	4.62E-11	6.82E-10	1.02E-10	3.77E-10	3.32E-11	5.12E-10	1.15E-11	6.61E-11	7.89E-12	8.55E-11	1.05E-11	3.46E-11	2.39E-12	4.75E-11
4445	469609.36	3818260.72	1.23E-10	5.17E-10	4.66E-11	6.87E-10	1.03E-10	3.80E-10	3.34E-11	5.16E-10	1.16E-11	6.66E-11	7.95E-12	8.62E-11	1.06E-11	3.49E-11	2.40E-12	4.79E-11
4446	469618.26	3818257.2	1.24E-10	5.21E-10	4.69E-11	6.92E-10	1.03E-10	3.83E-10	3.37E-11	5.20E-10	1.17E-11	6.71E-11	8.01E-12	8.68E-11	1.07E-11	3.51E-11	2.42E-12	4.82E-11

4447	469627.16	3818253.67	1.25E-10	5.26E-10	4.73E-11	6.98E-10	1.04E-10	3.86E-10	3.40E-11	5.24E-10	1.18E-11	6.76E-11	8.07E-12	8.75E-11	1.07E-11	3.54E-11	2.44E-12	4.86E-11
4448	469636.06	3818250.15	1.26E-10	5.30E-10	4.77E-11	7.04E-10	1.05E-10	3.89E-10	3.43E-11	5.29E-10	1.19E-11	6.82E-11	8.14E-12	8.83E-11	1.08E-11	3.57E-11	2.46E-12	4.90E-11
4449	469644.96	3818246.62	1.27E-10	5.35E-10	4.81E-11	7.10E-10	1.06E-10	3.93E-10	3.46E-11	5.33E-10	1.20E-11	6.88E-11	8.21E-12	8.91E-11	1.09E-11	3.60E-11	2.48E-12	4.94E-11
4450	469653.86	3818243.1	1.28E-10	5.39E-10	4.85E-11	7.16E-10	1.07E-10	3.96E-10	3.48E-11	5.38E-10	1.21E-11	6.94E-11	8.28E-12	8.98E-11	1.10E-11	3.63E-11	2.50E-12	4.99E-11
4451	469662.76	3818239.57	1.29E-10	5.44E-10	4.89E-11	7.22E-10	1.08E-10	3.99E-10	3.51E-11	5.42E-10	1.22E-11	7.00E-11	8.35E-12	9.05E-11	1.11E-11	3.66E-11	2.53E-12	5.03E-11
4452	469671.66	3818236.05	1.30E-10	5.47E-10	4.93E-11	7.27E-10	1.09E-10	4.02E-10	3.54E-11	5.46E-10	1.23E-11	7.05E-11	8.41E-12	9.12E-11	1.12E-11	3.69E-11	2.54E-12	5.06E-11
4453	469716.17	3818218.42	1.35E-10	5.65E-10	5.09E-11	7.51E-10	1.12E-10	4.15E-10	3.65E-11	5.64E-10	1.27E-11	7.28E-11	8.68E-12	9.42E-11	1.16E-11	3.81E-11	2.63E-12	5.23E-11
4454	469725.07	3818214.9	1.35E-10	5.69E-10	5.12E-11	7.55E-10	1.13E-10	4.18E-10	3.68E-11	5.68E-10	1.28E-11	7.32E-11	8.74E-12	9.48E-11	1.16E-11	3.83E-11	2.64E-12	5.26E-11
4455	469733.97	3818211.37	1.36E-10	5.72E-10	5.15E-11	7.60E-10	1.13E-10	4.20E-10	3.70E-11	5.71E-10	1.29E-11	7.36E-11	8.78E-12	9.53E-11	1.17E-11	3.86E-11	2.66E-12	5.29E-11
4456	469742.87	3818207.84	1.37E-10	5.75E-10	5.18E-11	7.64E-10	1.14E-10	4.23E-10	3.72E-11	5.74E-10	1.29E-11	7.40E-11	8.83E-12	9.58E-11	1.18E-11	3.88E-11	2.67E-12	5.32E-11
4457	469751.77	3818204.32	1.38E-10	5.78E-10	5.20E-11	7.68E-10	1.15E-10	4.25E-10	3.74E-11	5.77E-10	1.30E-11	7.44E-11	8.88E-12	9.63E-11	1.18E-11	3.90E-11	2.69E-12	5.35E-11
4458	469760.67	3818200.79	1.38E-10	5.80E-10	5.23E-11	7.71E-10	1.15E-10	4.26E-10	3.75E-11	5.79E-10	1.30E-11	7.47E-11	8.91E-12	9.67E-11	1.19E-11	3.91E-11	2.70E-12	5.37E-11
4459	469769.57	3818197.27	1.39E-10	5.82E-10	5.24E-11	7.74E-10	1.16E-10	4.28E-10	3.76E-11	5.81E-10	1.31E-11	7.50E-11	8.94E-12	9.70E-11	1.19E-11	3.93E-11	2.71E-12	5.39E-11
4460	469778.47	3818193.74	1.39E-10	5.84E-10	5.26E-11	7.76E-10	1.16E-10	4.29E-10	3.78E-11	5.83E-10	1.31E-11	7.52E-11	8.97E-12	9.73E-11	1.19E-11	3.94E-11	2.71E-12	5.40E-11
4461	469787.37	3818190.22	1.40E-10	5.86E-10	5.28E-11	7.78E-10	1.16E-10	4.31E-10	3.79E-11	5.85E-10	1.32E-11	7.54E-11	9.00E-12	9.76E-11	1.20E-11	3.95E-11	2.72E-12	5.42E-11
4462	469796.28	3818186.69	1.40E-10	5.88E-10	5.29E-11	7.80E-10	1.17E-10	4.32E-10	3.80E-11	5.86E-10	1.32E-11	7.56E-11	9.03E-12	9.79E-11	1.20E-11	3.96E-11	2.73E-12	5.43E-11
4463	469805.18	3818183.17	1.40E-10	5.89E-10	5.30E-11	7.82E-10	1.17E-10	4.33E-10	3.81E-11	5.88E-10	1.32E-11	7.58E-11	9.05E-12	9.81E-11	1.20E-11	3.97E-11	2.74E-12	5.45E-11
4464	469814.08	3818179.64	1.41E-10	5.90E-10	5.32E-11	7.84E-10	1.17E-10	4.34E-10	3.82E-11	5.89E-10	1.33E-11	7.60E-11	9.07E-12	9.84E-11	1.21E-11	3.98E-11	2.74E-12	5.46E-11
4465	469822.98	3818176.12	1.41E-10	5.92E-10	5.33E-11	7.86E-10	1.17E-10	4.35E-10	3.83E-11	5.91E-10	1.33E-11	7.62E-11	9.09E-12	9.86E-11	1.21E-11	3.99E-11	2.75E-12	5.48E-11
4466	469831.88	3818172.59	1.41E-10	5.94E-10	5.35E-11	7.89E-10	1.18E-10	4.36E-10	3.84E-11	5.93E-10	1.34E-11	7.64E-11	9.12E-12	9.89E-11	1.21E-11	4.00E-11	2.76E-12	5.49E-11
4467	469840.78	3818169.07	1.42E-10	5.96E-10	5.36E-11	7.91E-10	1.18E-10	4.38E-10	3.85E-11	5.94E-10	1.34E-11	7.67E-11	9.15E-12	9.92E-11	1.22E-11	4.02E-11	2.77E-12	5.51E-11
4468	469849.68	3818165.54	1.42E-10	5.97E-10	5.38E-11	7.93E-10	1.18E-10	4.39E-10	3.86E-11	5.96E-10	1.34E-11	7.69E-11	9.17E-12	9.94E-11	1.22E-11	4.02E-11	2.77E-12	5.52E-11
4469	469858.58	3818162.02	1.43E-10	5.99E-10	5.39E-11	7.95E-10	1.19E-10	4.40E-10	3.87E-11	5.98E-10	1.35E-11	7.71E-11	9.20E-12	9.97E-11	1.22E-11	4.04E-11	2.78E-12	5.54E-11
4470	469867.48	3818158.49	1.43E-10	6.01E-10	5.41E-11	7.98E-10	1.19E-10	4.42E-10	3.88E-11	6.00E-10	1.35E-11	7.74E-11	9.23E-12	1.00E-10	1.23E-11	4.05E-11	2.79E-12	5.56E-11
4471	469876.38	3818154.97	1.44E-10	6.03E-10	5.43E-11	8.01E-10	1.20E-10	4.43E-10	3.90E-11	6.02E-10	1.36E-11	7.77E-11	9.27E-12	1.00E-10	1.23E-11	4.07E-11	2.80E-12	5.58E-11
4472	469885.28	3818151.44	1.44E-10	6.05E-10	5.45E-11	8.04E-10	1.20E-10	4.45E-10	3.91E-11	6.04E-10	1.36E-11	7.79E-11	9.30E-12	1.01E-10	1.24E-11	4.08E-11	2.81E-12	5.60E-11
4473	469894.19	3818147.92	1.45E-10	6.08E-10	5.48E-11	8.07E-10	1.21E-10	4.47E-10	3.93E-11	6.07E-10	1.37E-11	7.83E-11	9.34E-12	1.01E-10	1.24E-11	4.10E-11	2.82E-12	5.62E-11
4474	469903.09	3818144.39	1.45E-10	6.10E-10	5.50E-11	8.11E-10	1.21E-10	4.48E-10	3.95E-11	6.09E-10	1.37E-11	7.86E-11	9.37E-12	1.02E-10	1.25E-11	4.11E-11	2.84E-12	5.64E-11
4475	469911.99	3818140.86	1.46E-10	6.13E-10	5.52E-11	8.14E-10	1.22E-10	4.51E-10	3.96E-11	6.12E-10	1.38E-11	7.89E-11	9.42E-12	1.02E-10	1.25E-11	4.13E-11	2.85E-12	5.67E-11
4476	469920.89	3818137.34	1.47E-10	6.17E-10	5.55E-11	8.19E-10	1.22E-10	4.53E-10	3.99E-11	6.15E-10	1.39E-11	7.94E-11	9.47E-12	1.03E-10	1.26E-11	4.16E-11	2.86E-12	5.70E-11
4477	469929.79	3818133.81	1.48E-10	6.20E-10	5.59E-11	8.24E-10	1.23E-10	4.56E-10	4.01E-11	6.19E-10	1.40E-11	7.99E-11	9.53E-12	1.03E-10	1.27E-11	4.18E-11	2.88E-12	5.74E-11
4478	469938.69	3818130.29	1.49E-10	6.24E-10	5.62E-11	8.29E-10	1.24E-10	4.59E-10	4.03E-11	6.23E-10	1.40E-11	8.03E-11	9.59E-12	1.04E-10	1.28E-11	4.21E-11	2.90E-12	5.77E-11
4479	469947.59	3818126.76	1.50E-10	6.28E-10	5.66E-11	8.34E-10	1.25E-10	4.61E-10	4.06E-11	6.27E-10	1.41E-11	8.08E-11	9.65E-12	1.05E-10	1.28E-11	4.23E-11	2.92E-12	5.81E-11
4480	469956.49	3818123.24	1.51E-10	6.32E-10	5.69E-11	8.40E-10	1.25E-10	4.65E-10	4.09E-11	6.31E-10	1.42E-11	8.14E-11	9.71E-12	1.05E-10	1.29E-11	4.26E-11	2.94E-12	5.85E-11
4481	469965.39	3818119.71	1.52E-10	6.37E-10	5.73E-11	8.46E-10	1.26E-10	4.68E-10	4.12E-11	6.35E-10	1.43E-11	8.20E-11	9.78E-12	1.06E-10	1.30E-11	4.29E-11	2.96E-12	5.89E-11
4482	469974.29	3818116.19	1.53E-10	6.41E-10	5.77E-11	8.51E-10	1.27E-10	4.71E-10	4.14E-11	6.39E-10	1.44E-11	8.25E-11	9.84E-12	1.07E-10	1.31E-11	4.32E-11	2.98E-12	5.93E-11
4483	469983.19	3818112.66	1.54E-10	6.45E-10	5.81E-11	8.57E-10	1.28E-10	4.74E-10	4.17E-11	6.44E-10	1.45E-11	8.30E-11	9.91E-12	1.07E-10	1.32E-11	4.35E-11	3.00E-12	5.97E-11
4484	469992.09	3818109.14	1.55E-10	6.49E-10	5.85E-11	8.62E-10	1.29E-10	4.77E-10	4.20E-11	6.48E-10	1.46E-11	8.36E-11	9.97E-12	1.08E-10	1.33E-11	4.38E-11	3.02E-12	6.00E-11
4485	470001	3818105.61	1.56E-10	6.54E-10	5.89E-11	8.68E-10	1.30E-10	4.80E-10	4.23E-11	6.52E-10	1.47E-11	8.42E-11	1.00E-11	1.09E-10	1.34E-11	4.41E-11	3.04E-12	6.05E-11
4486	470009.9	3818102.09	1.57E-10	6.58E-10	5.93E-11	8.74E-10	1.31E-10	4.84E-10	4.26E-11	6.57E-10	1.48E-11	8.47E-11	1.01E-11	1.10E-10	1.35E-11	4.44E-11	3.06E-12	6.09E-11
4487	470018.8	3818098.56	1.58E-10	6.62E-10	5.96E-11	8.80E-10	1.31E-10	4.87E-10	4.28E-11	6.61E-10	1.49E-11	8.52E-11	1.02E-11	1.10E-10	1.35E-11	4.46E-11	3.08E-12	6.13E-11
4488	470045.5	3818087.99	1.60E-10	6.70E-10	6.04E-11	8.90E-10	1.33E-10	4.93E-10	4.33E-11	6.69E-10	1.51E-11	8.63E-11	1.03E-11	1.12E-10	1.37E-11	4.52E-11	3.11E-12	6.20E-11
4489	470054.4	3818084.46	1.60E-10	6.72E-10	6.05E-11	8.93E-10	1.33E-10	4.94E-10	4.34E-11	6.71E-10	1.51E-11	8.65E-11	1.03E-11	1.12E-10	1.37E-11	4.53E-11	3.12E-12	6.22E-11
4490	470063.3	3818080.93	1.60E-10	6.73E-10	6.06E-11	8.94E-10	1.34E-10	4.95E-10	4.35E-11	6.72E-10	1.51E-11	8.67E-11	1.03E-11	1.12E-10	1.38E-11	4.54E-11	3.13E-12	6.23E-11
4491	470072.2	3818077.41	1.60E-10	6.74E-10	6.07E-11	8.95E-10	1.34E-10	4.95E-10	4.35E-11	6.72E-10	1.51E-11	8.67E-11	1.03E-11	1.12E-10	1.38E-11	4.54E-11	3.13E-12	6.23E-11
4492	470081.1	3818073.88	1.60E-10	6.74E-10	6.07E-11	8.95E-10	1.34E-10	4.95E-10	4.35E-11	6.72E-10	1.51E-11	8.67E-11	1.03E-11	1.12E-10	1.38E-11	4.54E-11	3.13E-12	6.23E-11
4493	470090	3818070.36	1.60E-10	6.73E-10	6.06E-11	8.94E-10	1.34E-10	4.95E-10	4.35E-11	6.72E-10	1.51E-11	8.67E-11	1.03E-11	1.12E-10	1.38E-11	4.54E-11	3.13E-12	6.23E-11
4494	470098.91	3818066.83	1.60E-10	6.72E-10	6.05E-11	8.92E-10	1.33E-10	4.94E-10	4.34E-11	6.70E-10	1.51E-11	8.65E-11	1.03E-11	1.12E-10	1.37E-11	4.53E-11	3.12E-12	6.21E-11
4495	470107.81	3818063.31	1.59E-10	6.70E-10	6.03E-11	8.89E-10	1.33E-10	4.92E-10	4.33E-11	6.68E-10	1.51E-11	8.62E-11	1.03E-11	1.12E-10	1.37E-11	4.51E-11	3.11E-12	6.19E-11
4496	470116.71	3818059.78	1.59E-10	6.67E-10	6.01E-11	8.86E-10	1.32E-10	4.90E-10	4.31E-11	6.65E-10	1.50E-11	8.59E-11	1.02E-11	1.11E-10	1.36E-11	4.50E-11	3.10E-12	6.17E-11

4497	468928.8	3819231.81	4.49E-11	1.88E-10	1.70E-11	2.50E-10	3.74E-11	1.38E-10	1.22E-11	1.88E-10	4.24E-12	2.43E-11	2.89E-12	3.14E-11	3.85E-12	1.27E-11	8.75E-13	1.74E-11
4498	468928.61	3819241.46	4.56E-11	1.92E-10	1.72E-11	2.54E-10	3.80E-11	1.41E-10	1.24E-11	1.91E-10	4.31E-12	2.47E-11	2.94E-12	3.19E-11	3.92E-12	1.29E-11	8.90E-13	1.77E-11
4499	468928.41	3819251.11	4.64E-11	1.95E-10	1.75E-11	2.59E-10	3.86E-11	1.43E-10	1.26E-11	1.94E-10	4.38E-12	2.51E-11	2.99E-12	3.24E-11	3.98E-12	1.31E-11	9.04E-13	1.80E-11
4500	468928.22	3819260.76	4.71E-11	1.98E-10	1.78E-11	2.63E-10	3.92E-11	1.45E-10	1.28E-11	1.97E-10	4.45E-12	2.55E-11	3.04E-12	3.29E-11	4.04E-12	1.33E-11	9.19E-13	1.83E-11
4501	468928.03	3819270.41	4.79E-11	2.01E-10	1.81E-11	2.67E-10	3.99E-11	1.48E-10	1.30E-11	2.01E-10	4.52E-12	2.59E-11	3.09E-12	3.35E-11	4.11E-12	1.36E-11	9.35E-13	1.86E-11
4502	468927.83	3819280.06	4.87E-11	2.04E-10	1.84E-11	2.71E-10	4.05E-11	1.50E-10	1.32E-11	2.04E-10	4.59E-12	2.63E-11	3.14E-12	3.40E-11	4.18E-12	1.38E-11	9.49E-13	1.89E-11
4503	468927.64	3819289.7	4.93E-11	2.07E-10	1.87E-11	2.75E-10	4.11E-11	1.52E-10	1.34E-11	2.07E-10	4.66E-12	2.67E-11	3.18E-12	3.45E-11	4.24E-12	1.40E-11	9.63E-13	1.92E-11
4504	468927.45	3819299.35	5.00E-11	2.10E-10	1.89E-11	2.79E-10	4.17E-11	1.54E-10	1.36E-11	2.10E-10	4.72E-12	2.70E-11	3.23E-12	3.50E-11	4.29E-12	1.42E-11	9.76E-13	1.94E-11
4505	468927.25	3819309	5.07E-11	2.13E-10	1.92E-11	2.83E-10	4.22E-11	1.56E-10	1.38E-11	2.12E-10	4.79E-12	2.74E-11	3.27E-12	3.55E-11	4.35E-12	1.44E-11	9.89E-13	1.97E-11
4506	468927.06	3819318.65	5.13E-11	2.16E-10	1.94E-11	2.86E-10	4.27E-11	1.58E-10	1.39E-11	2.15E-10	4.85E-12	2.77E-11	3.31E-12	3.59E-11	4.41E-12	1.45E-11	1.00E-12	1.99E-11
4507	468926.87	3819328.3	5.19E-11	2.18E-10	1.96E-11	2.90E-10	4.33E-11	1.60E-10	1.41E-11	2.18E-10	4.91E-12	2.81E-11	3.35E-12	3.63E-11	4.46E-12	1.47E-11	1.01E-12	2.02E-11
4508	468926.68	3819337.94	5.26E-11	2.21E-10	1.99E-11	2.93E-10	4.38E-11	1.62E-10	1.43E-11	2.20E-10	4.96E-12	2.84E-11	3.39E-12	3.68E-11	4.51E-12	1.49E-11	1.03E-12	2.04E-11
4509	468926.48	3819347.59	5.31E-11	2.23E-10	2.01E-11	2.96E-10	4.42E-11	1.64E-10	1.44E-11	2.23E-10	5.02E-12	2.87E-11	3.43E-12	3.72E-11	4.56E-12	1.50E-11	1.04E-12	2.06E-11
4510	468926.29	3819357.24	5.36E-11	2.25E-10	2.03E-11	2.99E-10	4.47E-11	1.65E-10	1.46E-11	2.25E-10	5.06E-12	2.90E-11	3.46E-12	3.75E-11	4.60E-12	1.52E-11	1.05E-12	2.08E-11
4511	468926.1	3819366.89	5.41E-11	2.27E-10	2.05E-11	3.02E-10	4.51E-11	1.67E-10	1.47E-11	2.27E-10	5.11E-12	2.93E-11	3.49E-12	3.79E-11	4.65E-12	1.53E-11	1.06E-12	2.10E-11
4512	468925.9	3819376.54	5.46E-11	2.29E-10	2.06E-11	3.04E-10	4.54E-11	1.68E-10	1.48E-11	2.29E-10	5.15E-12	2.95E-11	3.52E-12	3.82E-11	4.68E-12	1.54E-11	1.06E-12	2.12E-11
4513	468925.71	3819386.19	5.50E-11	2.31E-10	2.08E-11	3.07E-10	4.58E-11	1.70E-10	1.49E-11	2.30E-10	5.19E-12	2.97E-11	3.55E-12	3.85E-11	4.72E-12	1.56E-11	1.07E-12	2.14E-11
4514	468925.52	3819395.83	5.54E-11	2.33E-10	2.10E-11	3.09E-10	4.62E-11	1.71E-10	1.50E-11	2.32E-10	5.23E-12	3.00E-11	3.57E-12	3.88E-11	4.76E-12	1.57E-11	1.08E-12	2.15E-11
4515	468925.32	3819405.48	5.58E-11	2.34E-10	2.11E-11	3.11E-10	4.65E-11	1.72E-10	1.51E-11	2.34E-10	5.27E-12	3.02E-11	3.60E-12	3.90E-11	4.79E-12	1.58E-11	1.09E-12	2.17E-11
4516	468925.13	3819415.13	5.62E-11	2.36E-10	2.13E-11	3.14E-10	4.68E-11	1.74E-10	1.53E-11	2.36E-10	5.31E-12	3.04E-11	3.63E-12	3.93E-11	4.83E-12	1.59E-11	1.10E-12	2.18E-11
4517	468924.94	3819424.78	5.67E-11	2.38E-10	2.14E-11	3.16E-10	4.72E-11	1.75E-10	1.54E-11	2.37E-10	5.35E-12	3.06E-11	3.65E-12	3.96E-11	4.86E-12	1.60E-11	1.11E-12	2.20E-11
4518	469075.84	3818691.24	5.87E-11	2.46E-10	2.22E-11	3.27E-10	4.89E-11	1.81E-10	1.59E-11	2.46E-10	5.54E-12	3.17E-11	3.78E-12	4.10E-11	5.04E-12	1.66E-11	1.14E-12	2.28E-11
4519	469079.68	3818682.43	5.95E-11	2.50E-10	2.25E-11	3.32E-10	4.96E-11	1.84E-10	1.62E-11	2.49E-10	5.62E-12	3.22E-11	3.84E-12	4.16E-11	5.11E-12	1.68E-11	1.16E-12	2.31E-11
4520	469083.52	3818673.62	6.05E-11	2.54E-10	2.29E-11	3.37E-10	5.04E-11	1.87E-10	1.64E-11	2.53E-10	5.71E-12	3.27E-11	3.90E-12	4.23E-11	5.19E-12	1.71E-11	1.18E-12	2.35E-11
4521	469087.36	3818664.82	6.13E-11	2.58E-10	2.32E-11	3.42E-10	5.11E-11	1.89E-10	1.66E-11	2.57E-10	5.79E-12	3.32E-11	3.96E-12	4.29E-11	5.26E-12	1.74E-11	1.20E-12	2.38E-11
4522	469091.2	3818656.01	6.21E-11	2.61E-10	2.35E-11	3.47E-10	5.18E-11	1.92E-10	1.69E-11	2.60E-10	5.87E-12	3.36E-11	4.01E-12	4.35E-11	5.33E-12	1.76E-11	1.21E-12	2.41E-11
4523	469095.05	3818647.2	6.29E-11	2.64E-10	2.38E-11	3.51E-10	5.24E-11	1.94E-10	1.71E-11	2.64E-10	5.94E-12	3.40E-11	4.06E-12	4.40E-11	5.40E-12	1.78E-11	1.23E-12	2.44E-11
4524	469098.89	3818638.39	6.37E-11	2.67E-10	2.41E-11	3.55E-10	5.30E-11	1.97E-10	1.73E-11	2.67E-10	6.01E-12	3.44E-11	4.11E-12	4.46E-11	5.47E-12	1.80E-11	1.24E-12	2.47E-11
4525	469102.73	3818629.58	6.44E-11	2.71E-10	2.44E-11	3.59E-10	5.37E-11	1.99E-10	1.75E-11	2.70E-10	6.08E-12	3.48E-11	4.16E-12	4.51E-11	5.53E-12	1.82E-11	1.26E-12	2.50E-11
4526	469106.57	3818620.78	6.51E-11	2.73E-10	2.46E-11	3.63E-10	5.42E-11	2.01E-10	1.77E-11	2.73E-10	6.15E-12	3.52E-11	4.20E-12	4.55E-11	5.59E-12	1.84E-11	1.27E-12	2.53E-11
4527	469137.3	3818550.31	6.88E-11	2.89E-10	2.60E-11	3.84E-10	5.73E-11	2.12E-10	1.87E-11	2.88E-10	6.50E-12	3.72E-11	4.44E-12	4.82E-11	5.91E-12	1.95E-11	1.34E-12	2.67E-11
4528	469141.14	3818541.5	6.92E-11	2.90E-10	2.62E-11	3.86E-10	5.76E-11	2.13E-10	1.88E-11	2.90E-10	6.53E-12	3.74E-11	4.46E-12	4.84E-11	5.94E-12	1.96E-11	1.35E-12	2.69E-11
4529	469144.98	3818532.69	6.94E-11	2.91E-10	2.62E-11	3.87E-10	5.78E-11	2.14E-10	1.88E-11	2.91E-10	6.55E-12	3.75E-11	4.48E-12	4.85E-11	5.96E-12	1.96E-11	1.35E-12	2.70E-11
4530	469148.82	3818523.89	6.97E-11	2.93E-10	2.63E-11	3.88E-10	5.80E-11	2.15E-10	1.89E-11	2.92E-10	6.58E-12	3.77E-11	4.49E-12	4.87E-11	5.98E-12	1.97E-11	1.36E-12	2.71E-11
4531	469152.66	3818515.08	6.98E-11	2.93E-10	2.64E-11	3.90E-10	5.82E-11	2.16E-10	1.90E-11	2.93E-10	6.59E-12	3.78E-11	4.50E-12	4.89E-11	6.00E-12	1.98E-11	1.36E-12	2.71E-11
4532	469156.51	3818506.27	7.00E-11	2.94E-10	2.65E-11	3.91E-10	5.83E-11	2.16E-10	1.90E-11	2.93E-10	6.61E-12	3.79E-11	4.52E-12	4.90E-11	6.01E-12	1.98E-11	1.37E-12	2.72E-11
4533	469160.35	3818497.46	7.01E-11	2.95E-10	2.65E-11	3.91E-10	5.84E-11	2.16E-10	1.90E-11	2.94E-10	6.62E-12	3.79E-11	4.52E-12	4.91E-11	6.02E-12	1.99E-11	1.37E-12	2.72E-11
4534	469164.19	3818488.65	7.03E-11	2.95E-10	2.66E-11	3.92E-10	5.86E-11	2.17E-10	1.91E-11	2.95E-10	6.64E-12	3.80E-11	4.54E-12	4.92E-11	6.04E-12	1.99E-11	1.37E-12	2.73E-11
4535	469168.03	3818479.85	7.05E-11	2.96E-10	2.66E-11	3.93E-10	5.87E-11	2.17E-10	1.91E-11	2.95E-10	6.65E-12	3.81E-11	4.54E-12	4.93E-11	6.05E-12	1.99E-11	1.37E-12	2.74E-11
4536	469171.87	3818471.04	7.06E-11	2.96E-10	2.67E-11	3.94E-10	5.88E-11	2.18E-10	1.92E-11	2.96E-10	6.67E-12	3.82E-11	4.55E-12	4.94E-11	6.06E-12	2.00E-11	1.38E-12	2.74E-11
4537	469175.71	3818462.23	7.07E-11	2.97E-10	2.67E-11	3.94E-10	5.89E-11	2.18E-10	1.92E-11	2.96E-10	6.68E-12	3.82E-11	4.56E-12	4.95E-11	6.07E-12	2.00E-11	1.38E-12	2.75E-11
4538	469179.55	3818453.42	7.09E-11	2.98E-10	2.68E-11	3.95E-10	5.91E-11	2.19E-10	1.92E-11	2.97E-10	6.69E-12	3.83E-11	4.57E-12	4.96E-11	6.09E-12	2.01E-11	1.38E-12	2.75E-11
4539	469183.39	3818444.61	7.11E-11	2.99E-10	2.69E-11	3.96E-10	5.92E-11	2.19E-10	1.93E-11	2.98E-10	6.71E-12	3.84E-11	4.58E-12	4.97E-11	6.10E-12	2.01E-11	1.39E-12	2.76E-11
4540	469187.24	3818435.81	7.11E-11	2.99E-10	2.69E-11	3.97E-10	5.93E-11	2.20E-10	1.93E-11	2.98E-10	6.72E-12	3.85E-11	4.59E-12	4.98E-11	6.11E-12	2.01E-11	1.39E-12	2.76E-11
4541	469191.08	3818427	7.13E-11	2.99E-10	2.70E-11	3.97E-10	5.94E-11	2.20E-10	1.93E-11	2.99E-10	6.73E-12	3.85E-11	4.60E-12	4.99E-11	6.12E-12	2.02E-11	1.39E-12	2.77E-11
4542	469206.44	3818391.77	7.21E-11	3.03E-10	2.73E-11	4.02E-10	6.01E-11	2.23E-10	1.96E-11	3.02E-10	6.81E-12	3.90E-11	4.65E-12	5.05E-11	6.19E-12	2.04E-11	1.41E-12	2.80E-11
4543	469210.28	3818382.96	7.24E-11	3.04E-10	2.74E-11	4.04E-10	6.03E-11	2.23E-10	1.96E-11	3.03E-10	6.84E-12	3.91E-11	4.67E-12	5.06E-11	6.21E-12	2.05E-11	1.41E-12	2.81E-11
4544	469214.13	3818374.15	7.26E-11	3.05E-10	2.75E-11	4.05E-10	6.05E-11	2.24E-10	1.97E-11	3.04E-10	6.86E-12	3.93E-11	4.68E-12	5.08E-11	6.24E-12	2.06E-11	1.42E-12	2.82E-11
4545	469217.97	3818365.34	7.29E-11	3.06E-10	2.76E-11	4.07E-10	6.08E-11	2.25E-10	1.98E-11	3.06E-10	6.89E-12	3.94E-11	4.71E-12	5.10E-11	6.26E-12	2.06E-11	1.42E-12	2.83E-11
4546	469221.81	3818356.53	7.33E-11	3.08E-10	2.77E-11	4.09E-10	6.10E-11	2.26E-10	1.99E-11	3.07E-10	6.92E-12	3.96E-11	4.72E-12	5.12E-11	6.29E-12	2.07E-11	1.43E-12	2.85E-11

4547	469225.65	3818347.72	7.37E-11	3.09E-10	2.79E-11	4.11E-10	6.14E-11	2.27E-10	2.00E-11	3.09E-10	6.96E-12	3.98E-11	4.75E-12	5.15E-11	6.33E-12	2.09E-11	1.44E-12	2.86E-11
4548	469229.49	3818338.92	7.41E-11	3.11E-10	2.80E-11	4.13E-10	6.17E-11	2.29E-10	2.01E-11	3.10E-10	6.99E-12	4.00E-11	4.78E-12	5.18E-11	6.36E-12	2.10E-11	1.45E-12	2.88E-11
4549	469242.27	3818326.57	7.56E-11	3.18E-10	2.86E-11	4.22E-10	6.30E-11	2.33E-10	2.05E-11	3.17E-10	7.14E-12	4.09E-11	4.88E-12	5.29E-11	6.49E-12	2.14E-11	1.48E-12	2.94E-11
4550	469251.2	3818323.03	7.69E-11	3.23E-10	2.91E-11	4.29E-10	6.41E-11	2.37E-10	2.09E-11	3.22E-10	7.26E-12	4.16E-11	4.96E-12	5.38E-11	6.60E-12	2.18E-11	1.50E-12	2.99E-11
4551	469260.13	3818319.49	7.82E-11	3.29E-10	2.96E-11	4.36E-10	6.52E-11	2.41E-10	2.12E-11	3.28E-10	7.39E-12	4.23E-11	5.05E-12	5.47E-11	6.72E-12	2.21E-11	1.53E-12	3.04E-11
4552	469269.07	3818315.95	7.95E-11	3.34E-10	3.01E-11	4.44E-10	6.62E-11	2.45E-10	2.16E-11	3.33E-10	7.51E-12	4.30E-11	5.13E-12	5.56E-11	6.83E-12	2.25E-11	1.55E-12	3.09E-11
4553	469278	3818312.42	8.08E-11	3.39E-10	3.06E-11	4.51E-10	6.73E-11	2.49E-10	2.19E-11	3.39E-10	7.63E-12	4.37E-11	5.21E-12	5.65E-11	6.94E-12	2.29E-11	1.58E-12	3.14E-11
4554	469286.94	3818308.88	8.21E-11	3.45E-10	3.10E-11	4.58E-10	6.84E-11	2.53E-10	2.23E-11	3.44E-10	7.75E-12	4.44E-11	5.29E-12	5.74E-11	7.05E-12	2.32E-11	1.60E-12	3.19E-11
4555	469295.87	3818305.34	8.34E-11	3.50E-10	3.15E-11	4.65E-10	6.95E-11	2.57E-10	2.26E-11	3.49E-10	7.87E-12	4.51E-11	5.38E-12	5.83E-11	7.16E-12	2.36E-11	1.63E-12	3.24E-11
4556	469304.8	3818301.8	8.46E-11	3.55E-10	3.20E-11	4.72E-10	7.05E-11	2.61E-10	2.30E-11	3.55E-10	7.99E-12	4.57E-11	5.46E-12	5.92E-11	7.26E-12	2.40E-11	1.65E-12	3.29E-11
4557	469313.74	3818298.26	8.58E-11	3.60E-10	3.25E-11	4.79E-10	7.15E-11	2.65E-10	2.33E-11	3.60E-10	8.10E-12	4.64E-11	5.53E-12	6.00E-11	7.37E-12	2.43E-11	1.67E-12	3.33E-11
4558	469322.67	3818294.72	8.70E-11	3.65E-10	3.29E-11	4.85E-10	7.25E-11	2.68E-10	2.36E-11	3.64E-10	8.21E-12	4.70E-11	5.61E-12	6.08E-11	7.47E-12	2.46E-11	1.70E-12	3.38E-11
4559	469331.61	3818291.19	8.81E-11	3.70E-10	3.33E-11	4.91E-10	7.34E-11	2.72E-10	2.39E-11	3.69E-10	8.32E-12	4.76E-11	5.68E-12	6.16E-11	7.56E-12	2.49E-11	1.72E-12	3.42E-11
4560	469340.54	3818287.65	8.92E-11	3.74E-10	3.37E-11	4.97E-10	7.43E-11	2.75E-10	2.42E-11	3.74E-10	8.42E-12	4.82E-11	5.75E-12	6.24E-11	7.65E-12	2.52E-11	1.74E-12	3.46E-11
4561	469349.47	3818284.11	9.02E-11	3.79E-10	3.41E-11	5.03E-10	7.51E-11	2.78E-10	2.45E-11	3.78E-10	8.51E-12	4.87E-11	5.81E-12	6.31E-11	7.74E-12	2.55E-11	1.76E-12	3.50E-11
4562	469358.41	3818280.57	9.11E-11	3.83E-10	3.45E-11	5.08E-10	7.59E-11	2.81E-10	2.47E-11	3.82E-10	8.61E-12	4.93E-11	5.88E-12	6.38E-11	7.82E-12	2.58E-11	1.78E-12	3.54E-11
4563	469367.34	3818277.03	9.20E-11	3.86E-10	3.48E-11	5.13E-10	7.66E-11	2.84E-10	2.50E-11	3.86E-10	8.69E-12	4.97E-11	5.94E-12	6.44E-11	7.90E-12	2.60E-11	1.80E-12	3.57E-11
4564	469376.28	3818273.49	9.29E-11	3.90E-10	3.51E-11	5.18E-10	7.74E-11	2.87E-10	2.52E-11	3.89E-10	8.77E-12	5.02E-11	5.99E-12	6.50E-11	7.97E-12	2.63E-11	1.81E-12	3.61E-11
4565	469385.21	3818269.96	9.36E-11	3.93E-10	3.54E-11	5.22E-10	7.80E-11	2.89E-10	2.54E-11	3.92E-10	8.84E-12	5.06E-11	6.04E-12	6.55E-11	8.04E-12	2.65E-11	1.83E-12	3.64E-11
4566	469394.14	3818266.42	9.44E-11	3.96E-10	3.57E-11	5.26E-10	7.86E-11	2.91E-10	2.56E-11	3.95E-10	8.91E-12	5.10E-11	6.09E-12	6.60E-11	8.10E-12	2.67E-11	1.84E-12	3.67E-11
4567	469403.08	3818262.88	9.52E-11	4.00E-10	3.60E-11	5.31E-10	7.93E-11	2.94E-10	2.58E-11	3.99E-10	8.99E-12	5.15E-11	6.14E-12	6.66E-11	8.17E-12	2.69E-11	1.86E-12	3.70E-11
4568	469412.01	3818259.34	9.59E-11	4.03E-10	3.63E-11	5.35E-10	7.99E-11	2.96E-10	2.60E-11	4.02E-10	9.06E-12	5.19E-11	6.19E-12	6.71E-11	8.24E-12	2.72E-11	1.87E-12	3.73E-11
4569	469420.95	3818255.8	9.67E-11	4.06E-10	3.66E-11	5.39E-10	8.05E-11	2.98E-10	2.62E-11	4.05E-10	9.13E-12	5.23E-11	6.24E-12	6.76E-11	8.30E-12	2.74E-11	1.89E-12	3.76E-11
4570	469429.88	3818252.26	9.72E-11	4.08E-10	3.68E-11	5.42E-10	8.10E-11	3.00E-10	2.64E-11	4.07E-10	9.18E-12	5.26E-11	6.27E-12	6.80E-11	8.35E-12	2.75E-11	1.90E-12	3.78E-11
4571	469438.81	3818248.72	9.78E-11	4.11E-10	3.70E-11	5.45E-10	8.15E-11	3.02E-10	2.65E-11	4.10E-10	9.24E-12	5.29E-11	6.31E-12	6.84E-11	8.40E-12	2.77E-11	1.91E-12	3.80E-11
4572	469447.75	3818245.19	9.84E-11	4.13E-10	3.72E-11	5.49E-10	8.19E-11	3.04E-10	2.67E-11	4.12E-10	9.29E-12	5.32E-11	6.34E-12	6.88E-11	8.44E-12	2.78E-11	1.92E-12	3.82E-11
4573	469456.68	3818241.65	9.89E-11	4.15E-10	3.74E-11	5.52E-10	8.24E-11	3.05E-10	2.69E-11	4.14E-10	9.34E-12	5.35E-11	6.38E-12	6.92E-11	8.49E-12	2.80E-11	1.93E-12	3.84E-11
4574	469465.62	3818238.11	9.95E-11	4.18E-10	3.76E-11	5.55E-10	8.29E-11	3.07E-10	2.70E-11	4.17E-10	9.39E-12	5.38E-11	6.42E-12	6.96E-11	8.54E-12	2.82E-11	1.94E-12	3.86E-11
4575	469474.55	3818234.57	1.00E-10	4.20E-10	3.78E-11	5.58E-10	8.33E-11	3.08E-10	2.71E-11	4.19E-10	9.44E-12	5.40E-11	6.45E-12	6.99E-11	8.58E-12	2.83E-11	1.95E-12	3.88E-11
4576	469483.49	3818231.03	1.01E-10	4.22E-10	3.80E-11	5.61E-10	8.38E-11	3.10E-10	2.73E-11	4.22E-10	9.50E-12	5.44E-11	6.49E-12	7.04E-11	8.64E-12	2.85E-11	1.96E-12	3.91E-11
4577	469492.42	3818227.49	1.01E-10	4.26E-10	3.83E-11	5.65E-10	8.44E-11	3.13E-10	2.75E-11	4.25E-10	9.57E-12	5.48E-11	6.54E-12	7.09E-11	8.70E-12	2.87E-11	1.98E-12	3.94E-11
4578	469501.35	3818223.96	1.02E-10	4.29E-10	3.86E-11	5.69E-10	8.50E-11	3.15E-10	2.77E-11	4.28E-10	9.64E-12	5.52E-11	6.58E-12	7.14E-11	8.76E-12	2.89E-11	1.99E-12	3.97E-11
4579	469510.29	3818220.42	1.03E-10	4.32E-10	3.89E-11	5.74E-10	8.57E-11	3.18E-10	2.79E-11	4.31E-10	9.72E-12	5.56E-11	6.64E-12	7.20E-11	8.83E-12	2.91E-11	2.01E-12	4.00E-11
4580	469519.22	3818216.88	1.04E-10	4.35E-10	3.91E-11	5.77E-10	8.62E-11	3.19E-10	2.81E-11	4.34E-10	9.77E-12	5.60E-11	6.68E-12	7.24E-11	8.89E-12	2.93E-11	2.02E-12	4.02E-11
4581	469528.16	3818213.34	1.04E-10	4.38E-10	3.94E-11	5.81E-10	8.68E-11	3.22E-10	2.83E-11	4.37E-10	9.84E-12	5.63E-11	6.72E-12	7.29E-11	8.95E-12	2.95E-11	2.03E-12	4.05E-11
4582	469537.09	3818209.8	1.05E-10	4.41E-10	3.97E-11	5.85E-10	8.74E-11	3.24E-10	2.85E-11	4.40E-10	9.91E-12	5.67E-11	6.77E-12	7.34E-11	9.01E-12	2.97E-11	2.05E-12	4.08E-11
4583	469546.02	3818206.26	1.06E-10	4.44E-10	4.00E-11	5.90E-10	8.80E-11	3.26E-10	2.87E-11	4.43E-10	9.98E-12	5.71E-11	6.82E-12	7.39E-11	9.07E-12	2.99E-11	2.06E-12	4.11E-11
4584	469554.96	3818202.73	1.06E-10	4.47E-10	4.03E-11	5.94E-10	8.87E-11	3.28E-10	2.89E-11	4.46E-10	1.01E-11	5.75E-11	6.87E-12	7.45E-11	9.14E-12	3.01E-11	2.08E-12	4.13E-11
4585	469563.89	3818199.19	1.07E-10	4.50E-10	4.06E-11	5.98E-10	8.93E-11	3.31E-10	2.91E-11	4.49E-10	1.01E-11	5.80E-11	6.92E-12	7.50E-11	9.21E-12	3.04E-11	2.09E-12	4.17E-11
4586	469572.83	3818195.65	1.08E-10	4.54E-10	4.09E-11	6.03E-10	9.00E-11	3.33E-10	2.93E-11	4.53E-10	1.02E-11	5.84E-11	6.97E-12	7.56E-11	9.28E-12	3.06E-11	2.11E-12	4.20E-11
4587	469581.76	3818192.11	1.09E-10	4.58E-10	4.12E-11	6.08E-10	9.08E-11	3.36E-10	2.96E-11	4.57E-10	1.03E-11	5.89E-11	7.03E-12	7.63E-11	9.36E-12	3.09E-11	2.13E-12	4.24E-11
4588	469590.69	3818188.57	1.10E-10	4.62E-10	4.16E-11	6.13E-10	9.16E-11	3.39E-10	2.99E-11	4.61E-10	1.04E-11	5.95E-11	7.09E-12	7.69E-11	9.44E-12	3.11E-11	2.15E-12	4.27E-11
4589	469599.63	3818185.03	1.11E-10	4.66E-10	4.20E-11	6.19E-10	9.24E-11	3.42E-10	3.01E-11	4.65E-10	1.05E-11	6.00E-11	7.16E-12	7.76E-11	9.53E-12	3.14E-11	2.17E-12	4.31E-11
4590	469608.56	3818181.49	1.12E-10	4.69E-10	4.23E-11	6.23E-10	9.31E-11	3.45E-10	3.03E-11	4.68E-10	1.06E-11	6.04E-11	7.21E-12	7.82E-11	9.60E-12	3.16E-11	2.18E-12	4.34E-11
4591	469617.5	3818177.96	1.13E-10	4.73E-10	4.26E-11	6.28E-10	9.38E-11	3.48E-10	3.06E-11	4.72E-10	1.06E-11	6.09E-11	7.27E-12	7.88E-11	9.67E-12	3.19E-11	2.20E-12	4.38E-11
4592	469626.43	3818174.42	1.13E-10	4.76E-10	4.29E-11	6.33E-10	9.45E-11	3.50E-10	3.08E-11	4.75E-10	1.07E-11	6.13E-11	7.32E-12	7.94E-11	9.74E-12	3.21E-11	2.21E-12	4.41E-11
4593	469635.36	3818170.88	1.14E-10	4.80E-10	4.32E-11	6.38E-10	9.52E-11	3.53E-10	3.10E-11	4.79E-10	1.08E-11	6.18E-11	7.37E-12	8.00E-11	9.81E-12	3.24E-11	2.23E-12	4.44E-11
4594	469644.3	3818167.34	1.15E-10	4.84E-10	4.35E-11	6.42E-10	9.59E-11	3.55E-10	3.13E-11	4.82E-10	1.09E-11	6.22E-11	7.43E-12	8.05E-11	9.88E-12	3.26E-11	2.25E-12	4.47E-11
4595	469653.23	3818163.8	1.16E-10	4.87E-10	4.38E-11	6.47E-10	9.66E-11	3.58E-10	3.15E-11	4.86E-10	1.09E-11	6.27E-11	7.48E-12	8.11E-11	9.95E-12	3.28E-11	2.26E-12	4.50E-11
4596	469662.17	3818160.26	1.17E-10	4.90E-10	4.42E-11	6.51E-10	9.72E-11	3.60E-10	3.17E-11	4.89E-10	1.10E-11	6.31E-11	7.53E-12	8.17E-11	1.00E-11	3.30E-11	2.28E-12	4.53E-11

4597	469671.1	3818156.73	1.18E-10	4.94E-10	4.45E-11	6.56E-10	9.79E-11	3.63E-10	3.19E-11	4.93E-10	1.11E-11	6.36E-11	7.58E-12	8.22E-11	1.01E-11	3.33E-11	2.29E-12	4.57E-11
4598	469680.03	3818153.19	1.18E-10	4.97E-10	4.47E-11	6.60E-10	9.85E-11	3.65E-10	3.21E-11	4.96E-10	1.12E-11	6.40E-11	7.63E-12	8.28E-11	1.02E-11	3.35E-11	2.31E-12	4.60E-11
4599	469715.77	3818139.03	1.21E-10	5.08E-10	4.58E-11	6.75E-10	1.01E-10	3.73E-10	3.29E-11	5.07E-10	1.14E-11	6.54E-11	7.81E-12	8.47E-11	1.04E-11	3.43E-11	2.36E-12	4.70E-11
4600	469724.7	3818135.49	1.22E-10	5.11E-10	4.60E-11	6.78E-10	1.01E-10	3.75E-10	3.30E-11	5.10E-10	1.15E-11	6.57E-11	7.84E-12	8.51E-11	1.04E-11	3.44E-11	2.37E-12	4.72E-11
4601	469733.64	3818131.96	1.22E-10	5.12E-10	4.62E-11	6.81E-10	1.02E-10	3.77E-10	3.31E-11	5.11E-10	1.15E-11	6.60E-11	7.87E-12	8.54E-11	1.05E-11	3.45E-11	2.38E-12	4.74E-11
4602	469742.57	3818128.42	1.22E-10	5.14E-10	4.63E-11	6.83E-10	1.02E-10	3.78E-10	3.32E-11	5.13E-10	1.16E-11	6.62E-11	7.90E-12	8.57E-11	1.05E-11	3.47E-11	2.39E-12	4.76E-11
4603	469751.51	3818124.88	1.23E-10	5.16E-10	4.65E-11	6.85E-10	1.02E-10	3.79E-10	3.33E-11	5.15E-10	1.16E-11	6.64E-11	7.92E-12	8.59E-11	1.05E-11	3.48E-11	2.40E-12	4.77E-11
4604	469760.44	3818121.34	1.23E-10	5.18E-10	4.66E-11	6.88E-10	1.03E-10	3.80E-10	3.35E-11	5.17E-10	1.16E-11	6.66E-11	7.95E-12	8.62E-11	1.06E-11	3.49E-11	2.41E-12	4.79E-11
4605	469769.37	3818117.8	1.24E-10	5.19E-10	4.68E-11	6.90E-10	1.03E-10	3.82E-10	3.36E-11	5.18E-10	1.17E-11	6.68E-11	7.98E-12	8.65E-11	1.06E-11	3.50E-11	2.41E-12	4.80E-11
4606	469778.31	3818114.26	1.24E-10	5.21E-10	4.69E-11	6.92E-10	1.03E-10	3.83E-10	3.37E-11	5.20E-10	1.17E-11	6.70E-11	8.00E-12	8.68E-11	1.06E-11	3.51E-11	2.42E-12	4.82E-11
4607	469787.24	3818110.73	1.24E-10	5.22E-10	4.70E-11	6.93E-10	1.04E-10	3.84E-10	3.37E-11	5.21E-10	1.17E-11	6.72E-11	8.02E-12	8.70E-11	1.07E-11	3.52E-11	2.43E-12	4.83E-11
4608	469796.18	3818107.19	1.25E-10	5.23E-10	4.71E-11	6.95E-10	1.04E-10	3.84E-10	3.38E-11	5.22E-10	1.18E-11	6.73E-11	8.04E-12	8.71E-11	1.07E-11	3.53E-11	2.43E-12	4.84E-11
4609	469805.11	3818103.65	1.25E-10	5.24E-10	4.72E-11	6.97E-10	1.04E-10	3.85E-10	3.39E-11	5.23E-10	1.18E-11	6.75E-11	8.06E-12	8.74E-11	1.07E-11	3.54E-11	2.44E-12	4.85E-11
4610	469814.05	3818100.11	1.25E-10	5.26E-10	4.74E-11	6.99E-10	1.04E-10	3.87E-10	3.40E-11	5.25E-10	1.18E-11	6.77E-11	8.08E-12	8.76E-11	1.08E-11	3.55E-11	2.44E-12	4.87E-11
4611	469822.98	3818096.57	1.26E-10	5.27E-10	4.75E-11	7.00E-10	1.05E-10	3.87E-10	3.41E-11	5.26E-10	1.19E-11	6.79E-11	8.10E-12	8.78E-11	1.08E-11	3.55E-11	2.45E-12	4.88E-11
4612	469831.91	3818093.03	1.26E-10	5.29E-10	4.76E-11	7.02E-10	1.05E-10	3.88E-10	3.42E-11	5.27E-10	1.19E-11	6.81E-11	8.12E-12	8.81E-11	1.08E-11	3.56E-11	2.46E-12	4.89E-11
4613	469840.85	3818089.5	1.26E-10	5.30E-10	4.77E-11	7.04E-10	1.05E-10	3.90E-10	3.43E-11	5.29E-10	1.19E-11	6.83E-11	8.14E-12	8.83E-11	1.08E-11	3.57E-11	2.46E-12	4.90E-11
4614	469849.78	3818085.96	1.27E-10	5.31E-10	4.78E-11	7.06E-10	1.05E-10	3.90E-10	3.43E-11	5.30E-10	1.19E-11	6.84E-11	8.16E-12	8.85E-11	1.09E-11	3.58E-11	2.47E-12	4.91E-11
4615	469858.72	3818082.42	1.27E-10	5.33E-10	4.80E-11	7.08E-10	1.06E-10	3.92E-10	3.44E-11	5.32E-10	1.20E-11	6.86E-11	8.18E-12	8.88E-11	1.09E-11	3.59E-11	2.48E-12	4.93E-11
4616	469867.65	3818078.88	1.27E-10	5.34E-10	4.81E-11	7.10E-10	1.06E-10	3.93E-10	3.45E-11	5.33E-10	1.20E-11	6.88E-11	8.21E-12	8.90E-11	1.09E-11	3.60E-11	2.48E-12	4.94E-11
4617	469876.58	3818075.34	1.28E-10	5.36E-10	4.83E-11	7.13E-10	1.06E-10	3.94E-10	3.47E-11	5.35E-10	1.21E-11	6.91E-11	8.24E-12	8.94E-11	1.10E-11	3.62E-11	2.49E-12	4.96E-11
4618	469885.52	3818071.8	1.28E-10	5.39E-10	4.85E-11	7.16E-10	1.07E-10	3.96E-10	3.48E-11	5.38E-10	1.21E-11	6.94E-11	8.28E-12	8.98E-11	1.10E-11	3.63E-11	2.50E-12	4.98E-11
4619	469894.45	3818068.26	1.29E-10	5.41E-10	4.87E-11	7.19E-10	1.07E-10	3.98E-10	3.50E-11	5.40E-10	1.22E-11	6.97E-11	8.31E-12	9.01E-11	1.11E-11	3.65E-11	2.51E-12	5.01E-11
4620	469903.39	3818064.73	1.29E-10	5.44E-10	4.90E-11	7.22E-10	1.08E-10	4.00E-10	3.52E-11	5.43E-10	1.22E-11	7.00E-11	8.35E-12	9.06E-11	1.11E-11	3.67E-11	2.53E-12	5.03E-11
4621	469912.32	3818061.19	1.30E-10	5.47E-10	4.92E-11	7.26E-10	1.08E-10	4.02E-10	3.53E-11	5.45E-10	1.23E-11	7.04E-11	8.40E-12	9.11E-11	1.12E-11	3.68E-11	2.54E-12	5.06E-11
4622	469921.25	3818057.65	1.31E-10	5.50E-10	4.96E-11	7.31E-10	1.09E-10	4.04E-10	3.56E-11	5.49E-10	1.24E-11	7.08E-11	8.45E-12	9.17E-11	1.12E-11	3.71E-11	2.56E-12	5.09E-11
4623	469930.19	3818054.11	1.32E-10	5.54E-10	4.99E-11	7.36E-10	1.10E-10	4.07E-10	3.58E-11	5.53E-10	1.25E-11	7.13E-11	8.51E-12	9.23E-11	1.13E-11	3.74E-11	2.58E-12	5.13E-11
4624	469939.12	3818050.57	1.33E-10	5.57E-10	5.02E-11	7.40E-10	1.10E-10	4.09E-10	3.60E-11	5.56E-10	1.25E-11	7.17E-11	8.56E-12	9.28E-11	1.14E-11	3.75E-11	2.59E-12	5.15E-11
4625	469948.06	3818047.03	1.33E-10	5.60E-10	5.04E-11	7.44E-10	1.11E-10	4.11E-10	3.62E-11	5.59E-10	1.26E-11	7.21E-11	8.60E-12	9.33E-11	1.14E-11	3.77E-11	2.60E-12	5.18E-11
4626	469956.99	3818043.5	1.34E-10	5.63E-10	5.07E-11	7.48E-10	1.12E-10	4.14E-10	3.64E-11	5.62E-10	1.27E-11	7.25E-11	8.65E-12	9.38E-11	1.15E-11	3.80E-11	2.62E-12	5.21E-11
4627	469965.92	3818039.96	1.35E-10	5.67E-10	5.10E-11	7.53E-10	1.12E-10	4.16E-10	3.66E-11	5.65E-10	1.27E-11	7.30E-11	8.70E-12	9.44E-11	1.16E-11	3.82E-11	2.63E-12	5.24E-11
4628	469974.86	3818036.42	1.36E-10	5.71E-10	5.14E-11	7.58E-10	1.13E-10	4.19E-10	3.69E-11	5.69E-10	1.28E-11	7.35E-11	8.76E-12	9.51E-11	1.17E-11	3.85E-11	2.65E-12	5.28E-11
4629	469983.79	3818032.88	1.37E-10	5.75E-10	5.18E-11	7.63E-10	1.14E-10	4.22E-10	3.72E-11	5.74E-10	1.29E-11	7.40E-11	8.83E-12	9.58E-11	1.18E-11	3.87E-11	2.67E-12	5.32E-11
4630	469992.73	3818029.34	1.38E-10	5.79E-10	5.21E-11	7.69E-10	1.15E-10	4.25E-10	3.74E-11	5.78E-10	1.30E-11	7.45E-11	8.89E-12	9.64E-11	1.18E-11	3.90E-11	2.69E-12	5.36E-11
4631	470001.66	3818025.8	1.39E-10	5.82E-10	5.24E-11	7.74E-10	1.16E-10	4.28E-10	3.76E-11	5.81E-10	1.31E-11	7.50E-11	8.94E-12	9.70E-11	1.19E-11	3.93E-11	2.71E-12	5.39E-11
4632	470010.59	3818022.27	1.39E-10	5.86E-10	5.28E-11	7.78E-10	1.16E-10	4.30E-10	3.79E-11	5.84E-10	1.32E-11	7.54E-11	9.00E-12	9.76E-11	1.20E-11	3.95E-11	2.72E-12	5.42E-11
4633	470019.53	3818018.73	1.40E-10	5.89E-10	5.31E-11	7.83E-10	1.17E-10	4.33E-10	3.81E-11	5.88E-10	1.32E-11	7.58E-11	9.05E-12	9.81E-11	1.20E-11	3.97E-11	2.74E-12	5.45E-11
4634	470046.33	3818008.11	1.42E-10	5.97E-10	5.38E-11	7.93E-10	1.18E-10	4.39E-10	3.86E-11	5.96E-10	1.34E-11	7.69E-11	9.17E-12	9.94E-11	1.22E-11	4.02E-11	2.77E-12	5.52E-11
4635	470055.26	3818004.57	1.43E-10	5.99E-10	5.39E-11	7.95E-10	1.19E-10	4.40E-10	3.87E-11	5.98E-10	1.35E-11	7.71E-11	9.20E-12	9.97E-11	1.22E-11	4.04E-11	2.78E-12	5.54E-11
4636	470064.2	3818001.03	1.43E-10	6.00E-10	5.41E-11	7.97E-10	1.19E-10	4.41E-10	3.88E-11	5.99E-10	1.35E-11	7.73E-11	9.22E-12	1.00E-10	1.23E-11	4.05E-11	2.79E-12	5.55E-11
4637	470073.13	3817997.5	1.43E-10	6.01E-10	5.41E-11	7.98E-10	1.19E-10	4.42E-10	3.89E-11	6.00E-10	1.35E-11	7.74E-11	9.23E-12	1.00E-10	1.23E-11	4.05E-11	2.79E-12	5.56E-11
4638	470082.07	3817993.96	1.43E-10	6.02E-10	5.42E-11	7.99E-10	1.19E-10	4.42E-10	3.89E-11	6.00E-10	1.35E-11	7.75E-11	9.24E-12	1.00E-10	1.23E-11	4.06E-11	2.80E-12	5.57E-11
4639	470091	3817990.42	1.43E-10	6.02E-10	5.42E-11	7.99E-10	1.19E-10	4.42E-10	3.89E-11	6.00E-10	1.35E-11	7.75E-11	9.24E-12	1.00E-10	1.23E-11	4.06E-11	2.80E-12	5.57E-11
4640	470099.93	3817986.88	1.43E-10	6.01E-10	5.41E-11	7.98E-10	1.19E-10	4.41E-10	3.88E-11	5.99E-10	1.35E-11	7.73E-11	9.23E-12	1.00E-10	1.23E-11	4.05E-11	2.79E-12	5.56E-11
4641	470108.87	3817983.34	1.43E-10	5.99E-10	5.40E-11	7.96E-10	1.19E-10	4.40E-10	3.87E-11	5.98E-10	1.35E-11	7.71E-11	9.20E-12	9.98E-11	1.22E-11	4.04E-11	2.78E-12	5.54E-11
4642	470117.8	3817979.8	1.42E-10	5.97E-10	5.37E-11	7.93E-10	1.18E-10	4.38E-10	3.86E-11	5.95E-10	1.34E-11	7.68E-11	9.17E-12	9.94E-11	1.22E-11	4.02E-11	2.77E-12	5.52E-11
4643	468848.82	3819230.21	3.98E-11	1.67E-10	1.50E-11	2.22E-10	3.31E-11	1.23E-10	1.08E-11	1.67E-10	3.76E-12	2.15E-11	2.56E-12	2.78E-11	3.41E-12	1.13E-11	7.76E-13	1.54E-11
4644	468848.62	3819239.86	4.04E-11	1.70E-10	1.53E-11	2.26E-10	3.37E-11	1.25E-10	1.10E-11	1.69E-10	3.82E-12	2.19E-11	2.61E-12	2.83E-11	3.47E-12	1.14E-11	7.89E-13	1.57E-11
4645	468848.43	3819249.51	4.12E-11	1.73E-10	1.56E-11	2.30E-10	3.43E-11	1.27E-10	1.12E-11	1.73E-10	3.89E-12	2.23E-11	2.66E-12	2.88E-11	3.54E-12	1.17E-11	8.04E-13	1.60E-11
4646	468848.24	3819259.16	4.19E-11	1.76E-10	1.58E-11	2.34E-10	3.49E-11	1.29E-10	1.14E-11	1.75E-10	3.95E-12	2.26E-11	2.70E-12	2.93E-11	3.60E-12	1.19E-11	8.17E-13	1.63E-11

4647	468848.04	3819268.81	4.25E-11	1.78E-10	1.61E-11	2.37E-10	3.54E-11	1.31E-10	1.15E-11	1.78E-10	4.01E-12	2.30E-11	2.74E-12	2.97E-11	3.65E-12	1.20E-11	8.29E-13	1.65E-11
4648	468847.85	3819278.45	4.32E-11	1.81E-10	1.63E-11	2.41E-10	3.60E-11	1.33E-10	1.17E-11	1.81E-10	4.08E-12	2.33E-11	2.79E-12	3.02E-11	3.71E-12	1.22E-11	8.43E-13	1.68E-11
4649	468847.66	3819288.1	4.38E-11	1.84E-10	1.66E-11	2.44E-10	3.65E-11	1.35E-10	1.19E-11	1.84E-10	4.14E-12	2.37E-11	2.83E-12	3.06E-11	3.76E-12	1.24E-11	8.55E-13	1.70E-11
4650	468847.46	3819297.75	4.45E-11	1.87E-10	1.68E-11	2.48E-10	3.71E-11	1.37E-10	1.21E-11	1.86E-10	4.20E-12	2.40E-11	2.87E-12	3.11E-11	3.82E-12	1.26E-11	8.68E-13	1.73E-11
4651	468847.27	3819307.4	4.50E-11	1.89E-10	1.70E-11	2.51E-10	3.75E-11	1.39E-10	1.22E-11	1.89E-10	4.25E-12	2.44E-11	2.91E-12	3.15E-11	3.87E-12	1.28E-11	8.79E-13	1.75E-11
4652	468847.08	3819317.05	4.57E-11	1.92E-10	1.73E-11	2.55E-10	3.80E-11	1.41E-10	1.24E-11	1.91E-10	4.31E-12	2.47E-11	2.95E-12	3.19E-11	3.92E-12	1.29E-11	8.91E-13	1.77E-11
4653	468846.88	3819326.69	4.62E-11	1.94E-10	1.75E-11	2.57E-10	3.85E-11	1.42E-10	1.25E-11	1.93E-10	4.36E-12	2.50E-11	2.98E-12	3.23E-11	3.96E-12	1.31E-11	9.01E-13	1.79E-11
4654	468846.69	3819336.34	4.67E-11	1.96E-10	1.76E-11	2.60E-10	3.89E-11	1.44E-10	1.27E-11	1.96E-10	4.41E-12	2.52E-11	3.01E-12	3.26E-11	4.01E-12	1.32E-11	9.10E-13	1.81E-11
4655	468846.5	3819345.99	4.71E-11	1.98E-10	1.78E-11	2.63E-10	3.92E-11	1.45E-10	1.28E-11	1.97E-10	4.45E-12	2.55E-11	3.04E-12	3.29E-11	4.04E-12	1.33E-11	9.19E-13	1.83E-11
4656	468846.3	3819355.64	4.75E-11	2.00E-10	1.80E-11	2.65E-10	3.96E-11	1.47E-10	1.29E-11	1.99E-10	4.49E-12	2.57E-11	3.07E-12	3.32E-11	4.08E-12	1.35E-11	9.27E-13	1.85E-11
4657	468846.11	3819365.29	4.79E-11	2.01E-10	1.81E-11	2.67E-10	3.99E-11	1.48E-10	1.30E-11	2.01E-10	4.52E-12	2.59E-11	3.09E-12	3.35E-11	4.11E-12	1.36E-11	9.35E-13	1.86E-11
4658	468845.92	3819374.94	4.83E-11	2.03E-10	1.83E-11	2.69E-10	4.02E-11	1.49E-10	1.31E-11	2.02E-10	4.56E-12	2.61E-11	3.11E-12	3.38E-11	4.14E-12	1.37E-11	9.42E-13	1.88E-11
4659	468845.73	3819384.58	4.87E-11	2.04E-10	1.84E-11	2.71E-10	4.05E-11	1.50E-10	1.32E-11	2.04E-10	4.59E-12	2.63E-11	3.14E-12	3.40E-11	4.18E-12	1.38E-11	9.49E-13	1.89E-11
4660	468845.53	3819394.23	4.90E-11	2.06E-10	1.85E-11	2.73E-10	4.08E-11	1.51E-10	1.33E-11	2.05E-10	4.62E-12	2.65E-11	3.16E-12	3.42E-11	4.20E-12	1.39E-11	9.55E-13	1.90E-11
4661	468845.34	3819403.88	4.93E-11	2.07E-10	1.86E-11	2.75E-10	4.10E-11	1.52E-10	1.34E-11	2.06E-10	4.65E-12	2.66E-11	3.18E-12	3.45E-11	4.23E-12	1.39E-11	9.61E-13	1.91E-11
4662	468845.15	3819413.53	4.96E-11	2.08E-10	1.88E-11	2.77E-10	4.13E-11	1.53E-10	1.35E-11	2.08E-10	4.68E-12	2.68E-11	3.20E-12	3.47E-11	4.26E-12	1.40E-11	9.67E-13	1.93E-11
4663	468844.95	3819423.18	4.98E-11	2.09E-10	1.88E-11	2.78E-10	4.15E-11	1.54E-10	1.35E-11	2.09E-10	4.71E-12	2.69E-11	3.21E-12	3.49E-11	4.28E-12	1.41E-11	9.72E-13	1.94E-11
4664	469127.64	3818387.47	6.29E-11	2.64E-10	2.38E-11	3.51E-10	5.24E-11	1.94E-10	1.71E-11	2.64E-10	5.94E-12	3.40E-11	4.06E-12	4.40E-11	5.40E-12	1.78E-11	1.23E-12	2.44E-11
4665	469131.49	3818378.63	6.30E-11	2.65E-10	2.38E-11	3.51E-10	5.25E-11	1.94E-10	1.71E-11	2.64E-10	5.95E-12	3.41E-11	4.06E-12	4.41E-11	5.41E-12	1.78E-11	1.23E-12	2.45E-11
4666	469135.34	3818369.79	6.30E-11	2.65E-10	2.38E-11	3.51E-10	5.25E-11	1.94E-10	1.71E-11	2.64E-10	5.95E-12	3.41E-11	4.06E-12	4.41E-11	5.41E-12	1.78E-11	1.23E-12	2.45E-11
4667	469139.2	3818360.95	6.31E-11	2.65E-10	2.39E-11	3.52E-10	5.25E-11	1.95E-10	1.71E-11	2.64E-10	5.96E-12	3.41E-11	4.07E-12	4.41E-11	5.41E-12	1.79E-11	1.23E-12	2.45E-11
4668	469143.05	3818352.12	6.33E-11	2.66E-10	2.39E-11	3.53E-10	5.27E-11	1.95E-10	1.72E-11	2.65E-10	5.97E-12	3.42E-11	4.08E-12	4.42E-11	5.43E-12	1.79E-11	1.23E-12	2.46E-11
4669	469146.91	3818343.28	6.34E-11	2.66E-10	2.40E-11	3.54E-10	5.28E-11	1.96E-10	1.72E-11	2.66E-10	5.99E-12	3.43E-11	4.09E-12	4.44E-11	5.45E-12	1.80E-11	1.24E-12	2.46E-11
4670	469150.76	3818334.44	6.37E-11	2.67E-10	2.41E-11	3.55E-10	5.30E-11	1.97E-10	1.73E-11	2.67E-10	6.01E-12	3.44E-11	4.11E-12	4.46E-11	5.47E-12	1.80E-11	1.24E-12	2.47E-11
4671	469154.61	3818325.61	6.39E-11	2.68E-10	2.42E-11	3.57E-10	5.33E-11	1.97E-10	1.74E-11	2.68E-10	6.04E-12	3.46E-11	4.12E-12	4.47E-11	5.49E-12	1.81E-11	1.25E-12	2.48E-11
4672	469158.47	3818316.77	6.42E-11	2.70E-10	2.43E-11	3.58E-10	5.35E-11	1.98E-10	1.74E-11	2.69E-10	6.07E-12	3.47E-11	4.14E-12	4.49E-11	5.52E-12	1.82E-11	1.25E-12	2.50E-11
4673	469162.32	3818307.93	6.46E-11	2.71E-10	2.44E-11	3.60E-10	5.38E-11	1.99E-10	1.75E-11	2.71E-10	6.10E-12	3.49E-11	4.16E-12	4.52E-11	5.54E-12	1.83E-11	1.26E-12	2.51E-11
4674	469166.18	3818299.09	6.49E-11	2.73E-10	2.46E-11	3.62E-10	5.41E-11	2.00E-10	1.76E-11	2.72E-10	6.13E-12	3.51E-11	4.19E-12	4.54E-11	5.57E-12	1.84E-11	1.27E-12	2.52E-11
4675	469170.03	3818290.26	6.52E-11	2.74E-10	2.47E-11	3.64E-10	5.43E-11	2.01E-10	1.77E-11	2.73E-10	6.16E-12	3.53E-11	4.21E-12	4.56E-11	5.60E-12	1.85E-11	1.27E-12	2.53E-11
4676	469173.88	3818281.42	6.55E-11	2.75E-10	2.48E-11	3.65E-10	5.45E-11	2.02E-10	1.78E-11	2.74E-10	6.18E-12	3.54E-11	4.22E-12	4.58E-11	5.62E-12	1.85E-11	1.28E-12	2.54E-11
4677	469186.7	3818269.03	6.68E-11	2.81E-10	2.53E-11	3.73E-10	5.56E-11	2.06E-10	1.81E-11	2.80E-10	6.31E-12	3.61E-11	4.31E-12	4.67E-11	5.73E-12	1.89E-11	1.30E-12	2.59E-11
4678	469195.66	3818265.48	6.79E-11	2.85E-10	2.57E-11	3.79E-10	5.66E-11	2.10E-10	1.84E-11	2.85E-10	6.41E-12	3.67E-11	4.38E-12	4.75E-11	5.83E-12	1.92E-11	1.33E-12	2.64E-11
4679	469204.63	3818261.93	6.90E-11	2.90E-10	2.61E-11	3.85E-10	5.75E-11	2.13E-10	1.87E-11	2.89E-10	6.52E-12	3.73E-11	4.45E-12	4.83E-11	5.93E-12	1.95E-11	1.35E-12	2.68E-11
4680	469213.59	3818258.38	7.02E-11	2.95E-10	2.66E-11	3.92E-10	5.85E-11	2.17E-10	1.91E-11	2.94E-10	6.63E-12	3.80E-11	4.53E-12	4.91E-11	6.03E-12	1.99E-11	1.37E-12	2.73E-11
4681	469222.55	3818254.83	7.14E-11	3.00E-10	2.70E-11	3.98E-10	5.95E-11	2.20E-10	1.94E-11	2.99E-10	6.74E-12	3.86E-11	4.60E-12	4.99E-11	6.13E-12	2.02E-11	1.39E-12	2.77E-11
4682	469231.52	3818251.28	7.26E-11	3.05E-10	2.74E-11	4.05E-10	6.04E-11	2.24E-10	1.97E-11	3.04E-10	6.85E-12	3.92E-11	4.68E-12	5.08E-11	6.23E-12	2.05E-11	1.42E-12	2.82E-11
4683	469240.48	3818247.73	7.37E-11	3.09E-10	2.79E-11	4.11E-10	6.14E-11	2.27E-10	2.00E-11	3.09E-10	6.96E-12	3.98E-11	4.75E-12	5.15E-11	6.33E-12	2.09E-11	1.44E-12	2.86E-11
4684	469249.44	3818244.18	7.47E-11	3.14E-10	2.83E-11	4.17E-10	6.23E-11	2.31E-10	2.03E-11	3.13E-10	7.06E-12	4.04E-11	4.82E-12	5.23E-11	6.42E-12	2.12E-11	1.46E-12	2.90E-11
4685	469258.41	3818240.63	7.57E-11	3.18E-10	2.86E-11	4.22E-10	6.31E-11	2.34E-10	2.06E-11	3.17E-10	7.15E-12	4.09E-11	4.89E-12	5.30E-11	6.50E-12	2.14E-11	1.48E-12	2.94E-11
4686	469267.37	3818237.08	7.67E-11	3.22E-10	2.90E-11	4.28E-10	6.39E-11	2.37E-10	2.08E-11	3.22E-10	7.25E-12	4.15E-11	4.95E-12	5.37E-11	6.59E-12	2.17E-11	1.50E-12	2.98E-11
4687	469276.34	3818233.53	7.78E-11	3.27E-10	2.94E-11	4.34E-10	6.48E-11	2.40E-10	2.11E-11	3.26E-10	7.35E-12	4.21E-11	5.02E-12	5.44E-11	6.68E-12	2.20E-11	1.52E-12	3.02E-11
4688	469285.3	3818229.98	7.88E-11	3.31E-10	2.98E-11	4.39E-10	6.56E-11	2.43E-10	2.14E-11	3.30E-10	7.44E-12	4.26E-11	5.08E-12	5.51E-11	6.76E-12	2.23E-11	1.54E-12	3.06E-11
4689	469294.26	3818226.43	7.97E-11	3.35E-10	3.01E-11	4.45E-10	6.64E-11	2.46E-10	2.16E-11	3.34E-10	7.53E-12	4.31E-11	5.14E-12	5.58E-11	6.84E-12	2.26E-11	1.56E-12	3.10E-11
4690	469303.23	3818222.88	8.06E-11	3.38E-10	3.05E-11	4.49E-10	6.71E-11	2.49E-10	2.19E-11	3.38E-10	7.61E-12	4.36E-11	5.20E-12	5.64E-11	6.92E-12	2.28E-11	1.57E-12	3.13E-11
4691	469312.19	3818219.33	8.14E-11	3.42E-10	3.08E-11	4.54E-10	6.78E-11	2.51E-10	2.21E-11	3.41E-10	7.69E-12	4.40E-11	5.25E-12	5.69E-11	6.99E-12	2.30E-11	1.59E-12	3.16E-11
4692	469321.15	3818215.78	8.21E-11	3.45E-10	3.11E-11	4.58E-10	6.84E-11	2.53E-10	2.23E-11	3.44E-10	7.76E-12	4.44E-11	5.30E-12	5.75E-11	7.05E-12	2.33E-11	1.60E-12	3.19E-11
4693	469330.12	3818212.23	8.29E-11	3.48E-10	3.13E-11	4.62E-10	6.90E-11	2.56E-10	2.25E-11	3.47E-10	7.83E-12	4.48E-11	5.35E-12	5.80E-11	7.12E-12	2.35E-11	1.62E-12	3.22E-11
4694	469339.08	3818208.68	8.35E-11	3.51E-10	3.16E-11	4.66E-10	6.96E-11	2.58E-10	2.27E-11	3.50E-10	7.89E-12	4.51E-11	5.39E-12	5.84E-11	7.17E-12	2.36E-11	1.63E-12	3.24E-11
4695	469348.04	3818205.13	8.41E-11	3.53E-10	3.18E-11	4.69E-10	7.00E-11	2.59E-10	2.28E-11	3.52E-10	7.94E-12	4.54E-11	5.42E-12	5.88E-11	7.22E-12	2.38E-11	1.64E-12	3.27E-11
4696	469357.01	3818201.58	8.46E-11	3.55E-10	3.20E-11	4.72E-10	7.05E-11	2.61E-10	2.30E-11	3.55E-10	7.99E-12	4.57E-11	5.46E-12	5.92E-11	7.26E-12	2.40E-11	1.65E-12	3.29E-11

4697	469365.97	3818198.03	8.51E-11	3.57E-10	3.22E-11	4.75E-10	7.09E-11	2.63E-10	2.31E-11	3.57E-10	8.04E-12	4.60E-11	5.49E-12	5.95E-11	7.31E-12	2.41E-11	1.66E-12	3.31E-11
4698	469374.93	3818194.48	8.56E-11	3.60E-10	3.24E-11	4.78E-10	7.13E-11	2.64E-10	2.32E-11	3.59E-10	8.09E-12	4.63E-11	5.52E-12	5.99E-11	7.35E-12	2.42E-11	1.67E-12	3.33E-11
4699	469383.9	3818190.93	8.61E-11	3.61E-10	3.25E-11	4.80E-10	7.17E-11	2.66E-10	2.34E-11	3.61E-10	8.13E-12	4.65E-11	5.55E-12	6.02E-11	7.39E-12	2.44E-11	1.68E-12	3.34E-11
4700	469392.86	3818187.38	8.65E-11	3.63E-10	3.27E-11	4.82E-10	7.20E-11	2.67E-10	2.35E-11	3.62E-10	8.17E-12	4.68E-11	5.58E-12	6.05E-11	7.42E-12	2.45E-11	1.69E-12	3.36E-11
4701	469401.82	3818183.83	8.69E-11	3.65E-10	3.29E-11	4.85E-10	7.24E-11	2.68E-10	2.36E-11	3.64E-10	8.21E-12	4.70E-11	5.61E-12	6.08E-11	7.46E-12	2.46E-11	1.70E-12	3.38E-11
4702	469410.79	3818180.28	8.74E-11	3.67E-10	3.30E-11	4.87E-10	7.28E-11	2.70E-10	2.37E-11	3.66E-10	8.25E-12	4.72E-11	5.63E-12	6.11E-11	7.50E-12	2.47E-11	1.70E-12	3.39E-11
4703	469419.75	3818176.73	8.77E-11	3.68E-10	3.32E-11	4.89E-10	7.31E-11	2.71E-10	2.38E-11	3.68E-10	8.28E-12	4.74E-11	5.66E-12	6.14E-11	7.53E-12	2.48E-11	1.71E-12	3.41E-11
4704	469428.71	3818173.18	8.83E-11	3.71E-10	3.34E-11	4.92E-10	7.35E-11	2.72E-10	2.40E-11	3.70E-10	8.34E-12	4.77E-11	5.69E-12	6.18E-11	7.58E-12	2.50E-11	1.72E-12	3.43E-11
4705	469437.68	3818169.63	8.88E-11	3.73E-10	3.36E-11	4.96E-10	7.40E-11	2.74E-10	2.41E-11	3.72E-10	8.39E-12	4.80E-11	5.73E-12	6.22E-11	7.63E-12	2.52E-11	1.73E-12	3.45E-11
4706	469446.64	3818166.08	8.94E-11	3.75E-10	3.38E-11	4.99E-10	7.45E-11	2.76E-10	2.43E-11	3.75E-10	8.44E-12	4.83E-11	5.77E-12	6.25E-11	7.68E-12	2.53E-11	1.74E-12	3.47E-11
4707	469455.6	3818162.53	9.00E-11	3.78E-10	3.40E-11	5.02E-10	7.49E-11	2.78E-10	2.44E-11	3.77E-10	8.50E-12	4.86E-11	5.80E-12	6.29E-11	7.72E-12	2.55E-11	1.76E-12	3.49E-11
4708	469464.57	3818158.98	9.05E-11	3.80E-10	3.42E-11	5.05E-10	7.54E-11	2.79E-10	2.46E-11	3.79E-10	8.54E-12	4.89E-11	5.84E-12	6.33E-11	7.77E-12	2.56E-11	1.77E-12	3.51E-11
4709	469473.53	3818155.43	9.10E-11	3.82E-10	3.44E-11	5.07E-10	7.58E-11	2.81E-10	2.47E-11	3.81E-10	8.59E-12	4.92E-11	5.87E-12	6.36E-11	7.81E-12	2.57E-11	1.77E-12	3.53E-11
4710	469482.5	3818151.88	9.15E-11	3.84E-10	3.46E-11	5.10E-10	7.62E-11	2.82E-10	2.48E-11	3.83E-10	8.64E-12	4.95E-11	5.90E-12	6.40E-11	7.86E-12	2.59E-11	1.79E-12	3.55E-11
4711	469491.46	3818148.33	9.21E-11	3.87E-10	3.48E-11	5.14E-10	7.68E-11	2.84E-10	2.50E-11	3.86E-10	8.70E-12	4.98E-11	5.94E-12	6.45E-11	7.91E-12	2.61E-11	1.80E-12	3.58E-11
4712	469500.42	3818144.78	9.27E-11	3.89E-10	3.51E-11	5.17E-10	7.72E-11	2.86E-10	2.52E-11	3.88E-10	8.75E-12	5.01E-11	5.98E-12	6.48E-11	7.96E-12	2.62E-11	1.81E-12	3.60E-11
4713	469509.39	3818141.23	9.34E-11	3.92E-10	3.53E-11	5.21E-10	7.78E-11	2.88E-10	2.54E-11	3.91E-10	8.82E-12	5.05E-11	6.02E-12	6.53E-11	8.02E-12	2.64E-11	1.82E-12	3.63E-11
4714	469518.35	3818137.68	9.41E-11	3.95E-10	3.56E-11	5.25E-10	7.84E-11	2.90E-10	2.56E-11	3.94E-10	8.89E-12	5.09E-11	6.07E-12	6.58E-11	8.08E-12	2.66E-11	1.84E-12	3.66E-11
4715	469527.31	3818134.13	9.49E-11	3.99E-10	3.59E-11	5.30E-10	7.91E-11	2.93E-10	2.58E-11	3.98E-10	8.97E-12	5.13E-11	6.12E-12	6.64E-11	8.15E-12	2.69E-11	1.85E-12	3.69E-11
4716	469536.28	3818130.58	9.57E-11	4.02E-10	3.62E-11	5.34E-10	7.98E-11	2.95E-10	2.60E-11	4.01E-10	9.04E-12	5.18E-11	6.18E-12	6.70E-11	8.22E-12	2.71E-11	1.87E-12	3.72E-11
4717	469545.24	3818127.03	9.66E-11	4.05E-10	3.65E-11	5.39E-10	8.04E-11	2.98E-10	2.62E-11	4.05E-10	9.12E-12	5.22E-11	6.23E-12	6.75E-11	8.29E-12	2.73E-11	1.88E-12	3.75E-11
4718	469554.2	3818123.48	9.72E-11	4.08E-10	3.68E-11	5.42E-10	8.10E-11	3.00E-10	2.64E-11	4.07E-10	9.18E-12	5.26E-11	6.27E-12	6.80E-11	8.35E-12	2.75E-11	1.90E-12	3.78E-11
4719	469563.17	3818119.93	9.80E-11	4.11E-10	3.71E-11	5.47E-10	8.16E-11	3.02E-10	2.66E-11	4.11E-10	9.25E-12	5.30E-11	6.32E-12	6.85E-11	8.41E-12	2.77E-11	1.91E-12	3.81E-11
4720	469572.13	3818116.38	9.87E-11	4.15E-10	3.73E-11	5.51E-10	8.22E-11	3.05E-10	2.68E-11	4.14E-10	9.32E-12	5.34E-11	6.37E-12	6.91E-11	8.48E-12	2.79E-11	1.93E-12	3.83E-11
4721	469581.09	3818112.83	9.95E-11	4.18E-10	3.76E-11	5.55E-10	8.29E-11	3.07E-10	2.70E-11	4.17E-10	9.39E-12	5.38E-11	6.42E-12	6.96E-11	8.54E-12	2.82E-11	1.94E-12	3.86E-11
4722	469590.06	3818109.28	1.00E-10	4.21E-10	3.79E-11	5.59E-10	8.35E-11	3.09E-10	2.72E-11	4.20E-10	9.46E-12	5.42E-11	6.46E-12	7.01E-11	8.60E-12	2.84E-11	1.96E-12	3.89E-11
4723	469599.02	3818105.73	1.01E-10	4.24E-10	3.82E-11	5.63E-10	8.41E-11	3.12E-10	2.74E-11	4.23E-10	9.53E-12	5.46E-11	6.51E-12	7.06E-11	8.67E-12	2.86E-11	1.97E-12	3.92E-11
4724	469607.98	3818102.18	1.02E-10	4.27E-10	3.85E-11	5.68E-10	8.48E-11	3.14E-10	2.76E-11	4.26E-10	9.61E-12	5.50E-11	6.56E-12	7.12E-11	8.74E-12	2.88E-11	1.99E-12	3.95E-11
4725	469616.95	3818098.63	1.03E-10	4.31E-10	3.88E-11	5.72E-10	8.54E-11	3.17E-10	2.78E-11	4.30E-10	9.69E-12	5.55E-11	6.62E-12	7.18E-11	8.81E-12	2.90E-11	2.00E-12	3.98E-11
4726	469625.91	3818095.08	1.03E-10	4.34E-10	3.91E-11	5.76E-10	8.61E-11	3.19E-10	2.80E-11	4.33E-10	9.76E-12	5.59E-11	6.66E-12	7.23E-11	8.87E-12	2.92E-11	2.02E-12	4.01E-11
4727	469634.87	3818091.53	1.04E-10	4.37E-10	3.93E-11	5.80E-10	8.66E-11	3.21E-10	2.82E-11	4.36E-10	9.82E-12	5.62E-11	6.71E-12	7.28E-11	8.93E-12	2.94E-11	2.03E-12	4.04E-11
4728	469643.84	3818087.98	1.05E-10	4.40E-10	3.96E-11	5.84E-10	8.72E-11	3.23E-10	2.84E-11	4.39E-10	9.89E-12	5.66E-11	6.75E-12	7.32E-11	8.99E-12	2.96E-11	2.04E-12	4.07E-11
4729	469652.8	3818084.43	1.05E-10	4.42E-10	3.98E-11	5.87E-10	8.77E-11	3.25E-10	2.86E-11	4.41E-10	9.94E-12	5.69E-11	6.79E-12	7.37E-11	9.04E-12	2.98E-11	2.05E-12	4.09E-11
4730	469661.77	3818080.88	1.06E-10	4.45E-10	4.00E-11	5.91E-10	8.82E-11	3.27E-10	2.87E-11	4.44E-10	1.00E-11	5.72E-11	6.83E-12	7.41E-11	9.09E-12	3.00E-11	2.07E-12	4.11E-11
4731	469670.73	3818077.33	1.07E-10	4.47E-10	4.03E-11	5.94E-10	8.87E-11	3.29E-10	2.89E-11	4.46E-10	1.01E-11	5.76E-11	6.87E-12	7.45E-11	9.14E-12	3.01E-11	2.08E-12	4.14E-11
4732	469679.69	3818073.78	1.07E-10	4.49E-10	4.05E-11	5.97E-10	8.91E-11	3.30E-10	2.90E-11	4.48E-10	1.01E-11	5.78E-11	6.90E-12	7.48E-11	9.18E-12	3.03E-11	2.09E-12	4.16E-11
4733	469715.55	3818059.58	1.09E-10	4.57E-10	4.11E-11	6.07E-10	9.06E-11	3.36E-10	2.95E-11	4.56E-10	1.03E-11	5.88E-11	7.02E-12	7.61E-11	9.34E-12	3.08E-11	2.12E-12	4.23E-11
4734	469724.51	3818056.03	1.09E-10	4.58E-10	4.13E-11	6.09E-10	9.09E-11	3.37E-10	2.96E-11	4.57E-10	1.03E-11	5.90E-11	7.04E-12	7.64E-11	9.37E-12	3.09E-11	2.13E-12	4.24E-11
4735	469733.47	3818052.48	1.09E-10	4.60E-10	4.14E-11	6.11E-10	9.12E-11	3.38E-10	2.97E-11	4.59E-10	1.03E-11	5.92E-11	7.06E-12	7.66E-11	9.40E-12	3.10E-11	2.14E-12	4.25E-11
4736	469742.44	3818048.93	1.10E-10	4.61E-10	4.15E-11	6.12E-10	9.14E-11	3.39E-10	2.98E-11	4.60E-10	1.04E-11	5.94E-11	7.08E-12	7.68E-11	9.43E-12	3.11E-11	2.14E-12	4.26E-11
4737	469751.4	3818045.38	1.10E-10	4.62E-10	4.16E-11	6.14E-10	9.17E-11	3.40E-10	2.99E-11	4.61E-10	1.04E-11	5.95E-11	7.10E-12	7.70E-11	9.45E-12	3.12E-11	2.15E-12	4.28E-11
4738	469760.36	3818041.83	1.10E-10	4.63E-10	4.17E-11	6.15E-10	9.19E-11	3.41E-10	3.00E-11	4.62E-10	1.04E-11	5.97E-11	7.12E-12	7.72E-11	9.47E-12	3.12E-11	2.15E-12	4.29E-11
4739	469769.33	3818038.28	1.11E-10	4.64E-10	4.18E-11	6.17E-10	9.21E-11	3.41E-10	3.00E-11	4.63E-10	1.04E-11	5.98E-11	7.13E-12	7.74E-11	9.49E-12	3.13E-11	2.16E-12	4.30E-11
4740	469778.29	3818034.73	1.11E-10	4.66E-10	4.19E-11	6.18E-10	9.23E-11	3.42E-10	3.01E-11	4.64E-10	1.05E-11	5.99E-11	7.15E-12	7.75E-11	9.52E-12	3.14E-11	2.16E-12	4.31E-11
4741	469787.25	3818031.18	1.11E-10	4.66E-10	4.20E-11	6.19E-10	9.25E-11	3.43E-10	3.01E-11	4.65E-10	1.05E-11	6.00E-11	7.16E-12	7.77E-11	9.53E-12	3.14E-11	2.17E-12	4.31E-11
4742	469796.22	3818027.63	1.11E-10	4.67E-10	4.21E-11	6.20E-10	9.26E-11	3.43E-10	3.02E-11	4.66E-10	1.05E-11	6.01E-11	7.17E-12	7.78E-11	9.55E-12	3.15E-11	2.17E-12	4.32E-11
4743	469805.18	3818024.08	1.11E-10	4.68E-10	4.21E-11	6.21E-10	9.28E-11	3.44E-10	3.02E-11	4.67E-10	1.05E-11	6.02E-11	7.19E-12	7.79E-11	9.56E-12	3.15E-11	2.17E-12	4.33E-11
4744	469814.14	3818020.53	1.12E-10	4.68E-10	4.22E-11	6.22E-10	9.29E-11	3.44E-10	3.03E-11	4.67E-10	1.05E-11	6.03E-11	7.19E-12	7.80E-11	9.57E-12	3.16E-11	2.18E-12	4.33E-11
4745	469823.11	3818016.98	1.12E-10	4.69E-10	4.22E-11	6.23E-10	9.30E-11	3.45E-10	3.03E-11	4.68E-10	1.05E-11	6.04E-11	7.21E-12	7.81E-11	9.59E-12	3.16E-11	2.18E-12	4.34E-11
4746	469832.07	3818013.43	1.12E-10	4.70E-10	4.23E-11	6.24E-10	9.33E-11	3.45E-10	3.04E-11	4.69E-10	1.06E-11	6.05E-11	7.22E-12	7.83E-11	9.61E-12	3.17E-11	2.18E-12	4.35E-11

4747	469841.03	3818009.88	1.12E-10	4.71E-10	4.24E-11	6.26E-10	9.34E-11	3.46E-10	3.04E-11	4.70E-10	1.06E-11	6.06E-11	7.23E-12	7.85E-11	9.63E-12	3.17E-11	2.19E-12	4.36E-11
4748	469850	3818006.33	1.12E-10	4.72E-10	4.25E-11	6.27E-10	9.37E-11	3.47E-10	3.05E-11	4.71E-10	1.06E-11	6.08E-11	7.25E-12	7.87E-11	9.65E-12	3.18E-11	2.19E-12	4.37E-11
4749	469858.96	3818002.78	1.13E-10	4.74E-10	4.27E-11	6.29E-10	9.40E-11	3.48E-10	3.06E-11	4.73E-10	1.07E-11	6.10E-11	7.28E-12	7.89E-11	9.69E-12	3.19E-11	2.20E-12	4.38E-11
4750	469867.93	3817999.23	1.13E-10	4.75E-10	4.28E-11	6.31E-10	9.42E-11	3.49E-10	3.07E-11	4.74E-10	1.07E-11	6.12E-11	7.30E-12	7.91E-11	9.71E-12	3.20E-11	2.21E-12	4.39E-11
4751	469876.89	3817995.68	1.13E-10	4.76E-10	4.29E-11	6.33E-10	9.45E-11	3.50E-10	3.08E-11	4.75E-10	1.07E-11	6.13E-11	7.32E-12	7.94E-11	9.74E-12	3.21E-11	2.21E-12	4.41E-11
4752	469885.85	3817992.13	1.14E-10	4.78E-10	4.31E-11	6.35E-10	9.49E-11	3.51E-10	3.09E-11	4.77E-10	1.08E-11	6.16E-11	7.35E-12	7.97E-11	9.78E-12	3.22E-11	2.22E-12	4.42E-11
4753	469894.82	3817988.58	1.14E-10	4.80E-10	4.33E-11	6.38E-10	9.53E-11	3.53E-10	3.11E-11	4.79E-10	1.08E-11	6.18E-11	7.38E-12	8.00E-11	9.82E-12	3.24E-11	2.23E-12	4.44E-11
4754	469903.78	3817985.03	1.15E-10	4.83E-10	4.35E-11	6.41E-10	9.58E-11	3.55E-10	3.12E-11	4.82E-10	1.09E-11	6.22E-11	7.42E-12	8.05E-11	9.87E-12	3.26E-11	2.24E-12	4.47E-11
4755	469912.74	3817981.48	1.16E-10	4.86E-10	4.38E-11	6.45E-10	9.64E-11	3.57E-10	3.14E-11	4.85E-10	1.09E-11	6.25E-11	7.46E-12	8.09E-11	9.93E-12	3.27E-11	2.26E-12	4.49E-11
4756	469921.71	3817977.93	1.16E-10	4.89E-10	4.40E-11	6.49E-10	9.70E-11	3.59E-10	3.16E-11	4.88E-10	1.10E-11	6.29E-11	7.51E-12	8.15E-11	1.00E-11	3.30E-11	2.27E-12	4.52E-11
4757	469930.67	3817974.38	1.17E-10	4.92E-10	4.43E-11	6.54E-10	9.76E-11	3.62E-10	3.18E-11	4.91E-10	1.11E-11	6.33E-11	7.56E-12	8.20E-11	1.01E-11	3.32E-11	2.29E-12	4.55E-11
4758	469939.63	3817970.83	1.18E-10	4.96E-10	4.46E-11	6.58E-10	9.83E-11	3.64E-10	3.20E-11	4.95E-10	1.11E-11	6.38E-11	7.61E-12	8.26E-11	1.01E-11	3.34E-11	2.30E-12	4.59E-11
4759	469948.6	3817967.28	1.19E-10	5.00E-10	4.50E-11	6.64E-10	9.91E-11	3.67E-10	3.23E-11	4.99E-10	1.12E-11	6.43E-11	7.67E-12	8.32E-11	1.02E-11	3.37E-11	2.32E-12	4.62E-11
4760	469957.56	3817963.73	1.20E-10	5.04E-10	4.54E-11	6.70E-10	1.00E-10	3.70E-10	3.26E-11	5.03E-10	1.13E-11	6.49E-11	7.74E-12	8.40E-11	1.03E-11	3.40E-11	2.34E-12	4.66E-11
4761	469966.52	3817960.18	1.21E-10	5.08E-10	4.57E-11	6.74E-10	1.01E-10	3.73E-10	3.28E-11	5.07E-10	1.14E-11	6.54E-11	7.80E-12	8.46E-11	1.04E-11	3.42E-11	2.36E-12	4.70E-11
4762	469975.49	3817956.63	1.22E-10	5.11E-10	4.61E-11	6.79E-10	1.01E-10	3.76E-10	3.31E-11	5.10E-10	1.15E-11	6.58E-11	7.85E-12	8.52E-11	1.05E-11	3.45E-11	2.38E-12	4.73E-11
4763	469984.45	3817953.07	1.23E-10	5.15E-10	4.64E-11	6.84E-10	1.02E-10	3.78E-10	3.33E-11	5.14E-10	1.16E-11	6.63E-11	7.91E-12	8.58E-11	1.05E-11	3.47E-11	2.39E-12	4.76E-11
4764	469993.41	3817949.52	1.24E-10	5.19E-10	4.67E-11	6.89E-10	1.03E-10	3.81E-10	3.35E-11	5.18E-10	1.17E-11	6.68E-11	7.97E-12	8.64E-11	1.06E-11	3.50E-11	2.41E-12	4.80E-11
4765	470002.38	3817945.97	1.24E-10	5.22E-10	4.70E-11	6.93E-10	1.03E-10	3.83E-10	3.37E-11	5.20E-10	1.17E-11	6.71E-11	8.01E-12	8.69E-11	1.07E-11	3.52E-11	2.42E-12	4.82E-11
4766	470011.34	3817942.42	1.25E-10	5.25E-10	4.73E-11	6.97E-10	1.04E-10	3.86E-10	3.39E-11	5.24E-10	1.18E-11	6.75E-11	8.06E-12	8.74E-11	1.07E-11	3.54E-11	2.44E-12	4.85E-11
4767	470020.3	3817938.87	1.26E-10	5.28E-10	4.75E-11	7.01E-10	1.05E-10	3.88E-10	3.41E-11	5.26E-10	1.19E-11	6.79E-11	8.10E-12	8.79E-11	1.08E-11	3.56E-11	2.45E-12	4.88E-11
4768	470047.19	3817928.22	1.28E-10	5.36E-10	4.83E-11	7.12E-10	1.06E-10	3.94E-10	3.47E-11	5.35E-10	1.21E-11	6.90E-11	8.24E-12	8.93E-11	1.10E-11	3.61E-11	2.49E-12	4.96E-11
4769	470056.16	3817924.67	1.28E-10	5.38E-10	4.85E-11	7.15E-10	1.07E-10	3.96E-10	3.48E-11	5.37E-10	1.21E-11	6.93E-11	8.27E-12	8.97E-11	1.10E-11	3.63E-11	2.50E-12	4.98E-11
4770	470065.12	3817921.12	1.28E-10	5.40E-10	4.86E-11	7.17E-10	1.07E-10	3.97E-10	3.49E-11	5.38E-10	1.21E-11	6.95E-11	8.29E-12	8.99E-11	1.10E-11	3.64E-11	2.51E-12	4.99E-11
4771	470074.09	3817917.57	1.29E-10	5.41E-10	4.87E-11	7.18E-10	1.07E-10	3.97E-10	3.49E-11	5.39E-10	1.22E-11	6.96E-11	8.30E-12	9.01E-11	1.11E-11	3.64E-11	2.51E-12	5.00E-11
4772	470083.05	3817914.02	1.29E-10	5.41E-10	4.87E-11	7.18E-10	1.07E-10	3.97E-10	3.50E-11	5.40E-10	1.22E-11	6.96E-11	8.31E-12	9.01E-11	1.11E-11	3.65E-11	2.51E-12	5.00E-11
4773	470092.01	3817910.47	1.29E-10	5.41E-10	4.87E-11	7.18E-10	1.07E-10	3.97E-10	3.49E-11	5.39E-10	1.22E-11	6.96E-11	8.30E-12	9.01E-11	1.11E-11	3.64E-11	2.51E-12	5.00E-11
4774	470100.98	3817906.92	1.29E-10	5.40E-10	4.86E-11	7.17E-10	1.07E-10	3.97E-10	3.49E-11	5.39E-10	1.21E-11	6.95E-11	8.29E-12	8.99E-11	1.10E-11	3.64E-11	2.51E-12	4.99E-11
4775	470109.94	3817903.37	1.28E-10	5.39E-10	4.85E-11	7.15E-10	1.07E-10	3.96E-10	3.48E-11	5.37E-10	1.21E-11	6.93E-11	8.27E-12	8.97E-11	1.10E-11	3.63E-11	2.50E-12	4.98E-11
4776	470118.9	3817899.82	1.28E-10	5.36E-10	4.83E-11	7.13E-10	1.06E-10	3.94E-10	3.47E-11	5.35E-10	1.21E-11	6.91E-11	8.24E-12	8.94E-11	1.10E-11	3.62E-11	2.49E-12	4.96E-11
4777	468768.83	3819228.61	3.55E-11	1.49E-10	1.34E-11	1.98E-10	2.96E-11	1.10E-10	9.65E-12	1.49E-10	3.36E-12	1.92E-11	2.29E-12	2.49E-11	3.05E-12	1.01E-11	6.93E-13	1.38E-11
4778	468768.64	3819238.26	3.62E-11	1.52E-10	1.37E-11	2.02E-10	3.01E-11	1.12E-10	9.82E-12	1.52E-10	3.41E-12	1.95E-11	2.33E-12	2.53E-11	3.10E-12	1.02E-11	7.06E-13	1.40E-11
4779	468768.45	3819247.91	3.68E-11	1.55E-10	1.39E-11	2.06E-10	3.07E-11	1.14E-10	1.00E-11	1.54E-10	3.48E-12	1.99E-11	2.38E-12	2.58E-11	3.16E-12	1.04E-11	7.19E-13	1.43E-11
4780	468768.25	3819257.56	3.75E-11	1.57E-10	1.42E-11	2.09E-10	3.12E-11	1.16E-10	1.02E-11	1.57E-10	3.54E-12	2.03E-11	2.42E-12	2.62E-11	3.22E-12	1.06E-11	7.31E-13	1.46E-11
4781	468768.06	3819267.2	3.81E-11	1.60E-10	1.44E-11	2.12E-10	3.17E-11	1.18E-10	1.03E-11	1.60E-10	3.60E-12	2.06E-11	2.46E-12	2.66E-11	3.27E-12	1.08E-11	7.43E-13	1.48E-11
4782	468767.87	3819276.85	3.87E-11	1.63E-10	1.46E-11	2.16E-10	3.22E-11	1.19E-10	1.05E-11	1.62E-10	3.66E-12	2.09E-11	2.50E-12	2.71E-11	3.32E-12	1.10E-11	7.55E-13	1.50E-11
4783	468767.67	3819286.5	3.93E-11	1.65E-10	1.49E-11	2.19E-10	3.27E-11	1.21E-10	1.07E-11	1.65E-10	3.71E-12	2.12E-11	2.53E-12	2.75E-11	3.37E-12	1.11E-11	7.66E-13	1.53E-11
4784	468767.48	3819296.15	3.98E-11	1.67E-10	1.51E-11	2.22E-10	3.32E-11	1.23E-10	1.08E-11	1.67E-10	3.76E-12	2.15E-11	2.57E-12	2.79E-11	3.42E-12	1.13E-11	7.77E-13	1.55E-11
4785	468767.29	3819305.8	4.04E-11	1.70E-10	1.53E-11	2.25E-10	3.36E-11	1.25E-10	1.10E-11	1.69E-10	3.81E-12	2.18E-11	2.61E-12	2.83E-11	3.47E-12	1.14E-11	7.88E-13	1.57E-11
4786	468767.09	3819315.45	4.09E-11	1.72E-10	1.55E-11	2.28E-10	3.41E-11	1.26E-10	1.11E-11	1.71E-10	3.86E-12	2.21E-11	2.64E-12	2.86E-11	3.51E-12	1.16E-11	7.98E-13	1.59E-11
4787	468766.9	3819325.09	4.14E-11	1.74E-10	1.57E-11	2.31E-10	3.45E-11	1.28E-10	1.12E-11	1.73E-10	3.91E-12	2.24E-11	2.67E-12	2.89E-11	3.55E-12	1.17E-11	8.07E-13	1.61E-11
4788	468766.71	3819334.74	4.18E-11	1.76E-10	1.58E-11	2.33E-10	3.48E-11	1.29E-10	1.14E-11	1.75E-10	3.95E-12	2.26E-11	2.70E-12	2.93E-11	3.59E-12	1.18E-11	8.16E-13	1.62E-11
4789	468766.51	3819344.39	4.22E-11	1.77E-10	1.60E-11	2.35E-10	3.51E-11	1.30E-10	1.15E-11	1.77E-10	3.98E-12	2.28E-11	2.72E-12	2.95E-11	3.62E-12	1.19E-11	8.23E-13	1.64E-11
4790	468766.32	3819354.04	4.26E-11	1.79E-10	1.61E-11	2.37E-10	3.55E-11	1.31E-10	1.16E-11	1.78E-10	4.02E-12	2.30E-11	2.75E-12	2.98E-11	3.65E-12	1.20E-11	8.30E-13	1.65E-11
4791	468766.13	3819363.69	4.29E-11	1.80E-10	1.62E-11	2.39E-10	3.58E-11	1.32E-10	1.17E-11	1.80E-10	4.05E-12	2.32E-11	2.77E-12	3.00E-11	3.69E-12	1.22E-11	8.38E-13	1.67E-11
4792	468765.93	3819373.33	4.32E-11	1.82E-10	1.64E-11	2.41E-10	3.60E-11	1.33E-10	1.17E-11	1.81E-10	4.08E-12	2.34E-11	2.79E-12	3.03E-11	3.71E-12	1.22E-11	8.44E-13	1.68E-11
4793	468765.74	3819382.98	4.36E-11	1.83E-10	1.65E-11	2.43E-10	3.63E-11	1.34E-10	1.18E-11	1.83E-10	4.11E-12	2.35E-11	2.81E-12	3.05E-11	3.74E-12	1.23E-11	8.50E-13	1.69E-11
4794	468765.55	3819392.63	4.38E-11	1.84E-10	1.66E-11	2.44E-10	3.65E-11	1.35E-10	1.19E-11	1.84E-10	4.14E-12	2.37E-11	2.83E-12	3.06E-11	3.76E-12	1.24E-11	8.55E-13	1.70E-11
4795	468765.35	3819402.28	4.41E-11	1.85E-10	1.67E-11	2.46E-10	3.67E-11	1.36E-10	1.20E-11	1.85E-10	4.16E-12	2.38E-11	2.84E-12	3.08E-11	3.78E-12	1.25E-11	8.60E-13	1.71E-11
4796	468765.16	3819411.93	4.42E-11	1.86E-10	1.67E-11	2.47E-10	3.68E-11	1.37E-10	1.20E-11	1.85E-10	4.18E-12	2.39E-11	2.85E-12	3.09E-11	3.80E-12	1.25E-11	8.63E-13	1.72E-11

4797	468764.97	3819421.58	4.44E-11	1.86E-10	1.68E-11	2.47E-10	3.70E-11	1.37E-10	1.20E-11	1.86E-10	4.19E-12	2.40E-11	2.86E-12	3.10E-11	3.81E-12	1.26E-11	8.66E-13	1.72E-11
4798	468696.9	3819190.14	3.03E-11	1.27E-10	1.14E-11	1.69E-10	2.52E-11	9.34E-11	8.21E-12	1.27E-10	2.86E-12	1.64E-11	1.95E-12	2.12E-11	2.60E-12	8.56E-12	5.90E-13	1.18E-11
4799	468700.73	3819181.36	2.99E-11	1.26E-10	1.13E-11	1.67E-10	2.49E-11	9.22E-11	8.11E-12	1.25E-10	2.82E-12	1.62E-11	1.93E-12	2.09E-11	2.57E-12	8.46E-12	5.83E-13	1.16E-11
4800	468704.56	3819172.58	2.96E-11	1.24E-10	1.12E-11	1.65E-10	2.46E-11	9.13E-11	8.03E-12	1.24E-10	2.79E-12	1.60E-11	1.91E-12	2.07E-11	2.54E-12	8.37E-12	5.77E-13	1.15E-11
4801	468708.39	3819163.79	2.93E-11	1.23E-10	1.11E-11	1.63E-10	2.44E-11	9.03E-11	7.94E-12	1.23E-10	2.76E-12	1.58E-11	1.89E-12	2.05E-11	2.51E-12	8.28E-12	5.71E-13	1.14E-11
4802	468712.22	3819155.01	2.90E-11	1.22E-10	1.10E-11	1.62E-10	2.42E-11	8.95E-11	7.88E-12	1.22E-10	2.74E-12	1.57E-11	1.87E-12	2.03E-11	2.49E-12	8.21E-12	5.66E-13	1.13E-11
4803	468716.05	3819146.22	2.87E-11	1.21E-10	1.09E-11	1.60E-10	2.39E-11	8.86E-11	7.79E-12	1.20E-10	2.71E-12	1.55E-11	1.85E-12	2.01E-11	2.46E-12	8.13E-12	5.60E-13	1.11E-11
4804	468719.88	3819137.44	2.85E-11	1.20E-10	1.08E-11	1.59E-10	2.37E-11	8.78E-11	7.72E-12	1.19E-10	2.69E-12	1.54E-11	1.84E-12	1.99E-11	2.44E-12	8.05E-12	5.55E-13	1.11E-11
4805	468723.71	3819128.65	2.83E-11	1.19E-10	1.07E-11	1.58E-10	2.35E-11	8.72E-11	7.67E-12	1.18E-10	2.67E-12	1.53E-11	1.82E-12	1.98E-11	2.43E-12	8.00E-12	5.52E-13	1.10E-11
4806	468727.54	3819119.87	2.81E-11	1.18E-10	1.06E-11	1.57E-10	2.34E-11	8.67E-11	7.62E-12	1.18E-10	2.65E-12	1.52E-11	1.81E-12	1.96E-11	2.41E-12	7.95E-12	5.48E-13	1.09E-11
4807	468731.38	3819111.08	2.80E-11	1.17E-10	1.06E-11	1.56E-10	2.33E-11	8.63E-11	7.59E-12	1.17E-10	2.64E-12	1.51E-11	1.80E-12	1.96E-11	2.40E-12	7.91E-12	5.46E-13	1.09E-11
4808	469045.52	3818390.75	5.59E-11	2.35E-10	2.11E-11	3.12E-10	4.65E-11	1.72E-10	1.52E-11	2.34E-10	5.27E-12	3.02E-11	3.60E-12	3.91E-11	4.80E-12	1.58E-11	1.09E-12	2.17E-11
4809	469049.35	3818381.96	5.59E-11	2.35E-10	2.11E-11	3.12E-10	4.66E-11	1.73E-10	1.52E-11	2.34E-10	5.28E-12	3.02E-11	3.61E-12	3.91E-11	4.80E-12	1.58E-11	1.09E-12	2.17E-11
4810	469053.18	3818373.18	5.59E-11	2.35E-10	2.11E-11	3.12E-10	4.66E-11	1.73E-10	1.52E-11	2.34E-10	5.28E-12	3.02E-11	3.61E-12	3.91E-11	4.80E-12	1.58E-11	1.09E-12	2.17E-11
4811	469057.01	3818364.39	5.59E-11	2.35E-10	2.11E-11	3.12E-10	4.66E-11	1.73E-10	1.52E-11	2.34E-10	5.28E-12	3.02E-11	3.61E-12	3.91E-11	4.80E-12	1.58E-11	1.09E-12	2.17E-11
4812	469060.85	3818355.61	5.59E-11	2.35E-10	2.11E-11	3.12E-10	4.65E-11	1.72E-10	1.52E-11	2.34E-10	5.27E-12	3.02E-11	3.60E-12	3.91E-11	4.80E-12	1.58E-11	1.09E-12	2.17E-11
4813	469064.68	3818346.83	5.59E-11	2.35E-10	2.11E-11	3.12E-10	4.66E-11	1.73E-10	1.52E-11	2.34E-10	5.28E-12	3.02E-11	3.61E-12	3.91E-11	4.80E-12	1.58E-11	1.09E-12	2.17E-11
4814	469068.51	3818338.04	5.60E-11	2.35E-10	2.12E-11	3.12E-10	4.66E-11	1.73E-10	1.52E-11	2.35E-10	5.29E-12	3.03E-11	3.61E-12	3.92E-11	4.81E-12	1.58E-11	1.09E-12	2.17E-11
4815	469072.34	3818329.26	5.60E-11	2.35E-10	2.12E-11	3.13E-10	4.67E-11	1.73E-10	1.52E-11	2.35E-10	5.29E-12	3.03E-11	3.61E-12	3.92E-11	4.81E-12	1.59E-11	1.09E-12	2.18E-11
4816	469076.17	3818320.47	5.61E-11	2.36E-10	2.12E-11	3.13E-10	4.67E-11	1.73E-10	1.52E-11	2.35E-10	5.30E-12	3.03E-11	3.62E-12	3.92E-11	4.82E-12	1.59E-11	1.09E-12	2.18E-11
4817	469080	3818311.69	5.62E-11	2.36E-10	2.13E-11	3.14E-10	4.68E-11	1.74E-10	1.53E-11	2.36E-10	5.31E-12	3.04E-11	3.63E-12	3.93E-11	4.83E-12	1.59E-11	1.10E-12	2.18E-11
4818	469083.83	3818302.9	5.64E-11	2.37E-10	2.13E-11	3.14E-10	4.69E-11	1.74E-10	1.53E-11	2.36E-10	5.32E-12	3.05E-11	3.63E-12	3.94E-11	4.84E-12	1.60E-11	1.10E-12	2.19E-11
4819	469087.66	3818294.12	5.65E-11	2.37E-10	2.14E-11	3.15E-10	4.71E-11	1.74E-10	1.53E-11	2.37E-10	5.34E-12	3.06E-11	3.65E-12	3.96E-11	4.85E-12	1.60E-11	1.10E-12	2.20E-11
4820	469091.49	3818285.33	5.66E-11	2.38E-10	2.14E-11	3.16E-10	4.71E-11	1.75E-10	1.54E-11	2.37E-10	5.35E-12	3.06E-11	3.65E-12	3.96E-11	4.86E-12	1.60E-11	1.10E-12	2.20E-11
4821	469095.32	3818276.55	5.67E-11	2.38E-10	2.15E-11	3.16E-10	4.73E-11	1.75E-10	1.54E-11	2.38E-10	5.36E-12	3.07E-11	3.66E-12	3.97E-11	4.87E-12	1.61E-11	1.11E-12	2.20E-11
4822	469099.16	3818267.76	5.69E-11	2.39E-10	2.15E-11	3.17E-10	4.74E-11	1.76E-10	1.54E-11	2.38E-10	5.37E-12	3.08E-11	3.67E-12	3.98E-11	4.89E-12	1.61E-11	1.11E-12	2.21E-11
4823	469102.99	3818258.98	5.71E-11	2.40E-10	2.16E-11	3.18E-10	4.76E-11	1.76E-10	1.55E-11	2.39E-10	5.39E-12	3.09E-11	3.68E-12	3.99E-11	4.90E-12	1.62E-11	1.11E-12	2.22E-11
4824	469106.82	3818250.2	5.74E-11	2.41E-10	2.17E-11	3.20E-10	4.78E-11	1.77E-10	1.56E-11	2.41E-10	5.42E-12	3.10E-11	3.70E-12	4.02E-11	4.93E-12	1.63E-11	1.12E-12	2.23E-11
4825	469110.65	3818241.41	5.77E-11	2.42E-10	2.18E-11	3.22E-10	4.81E-11	1.78E-10	1.57E-11	2.42E-10	5.45E-12	3.12E-11	3.72E-12	4.04E-11	4.96E-12	1.63E-11	1.13E-12	2.24E-11
4826	469114.48	3818232.63	5.80E-11	2.44E-10	2.19E-11	3.24E-10	4.83E-11	1.79E-10	1.58E-11	2.43E-10	5.48E-12	3.14E-11	3.74E-12	4.06E-11	4.98E-12	1.64E-11	1.13E-12	2.25E-11
4827	469118.31	3818223.84	5.84E-11	2.45E-10	2.21E-11	3.26E-10	4.86E-11	1.80E-10	1.59E-11	2.45E-10	5.52E-12	3.16E-11	3.77E-12	4.09E-11	5.01E-12	1.65E-11	1.14E-12	2.27E-11
4828	469131.05	3818211.53	5.97E-11	2.51E-10	2.26E-11	3.33E-10	4.97E-11	1.84E-10	1.62E-11	2.50E-10	5.64E-12	3.23E-11	3.85E-12	4.18E-11	5.13E-12	1.69E-11	1.17E-12	2.32E-11
4829	469139.96	3818208	6.06E-11	2.55E-10	2.29E-11	3.38E-10	5.05E-11	1.87E-10	1.65E-11	2.54E-10	5.73E-12	3.28E-11	3.91E-12	4.24E-11	5.21E-12	1.72E-11	1.18E-12	2.36E-11
4830	469148.87	3818204.47	6.16E-11	2.59E-10	2.33E-11	3.44E-10	5.13E-11	1.90E-10	1.67E-11	2.58E-10	5.82E-12	3.33E-11	3.98E-12	4.31E-11	5.29E-12	1.74E-11	1.20E-12	2.39E-11
4831	469157.78	3818200.94	6.26E-11	2.63E-10	2.37E-11	3.49E-10	5.21E-11	1.93E-10	1.70E-11	2.62E-10	5.91E-12	3.38E-11	4.04E-12	4.38E-11	5.37E-12	1.77E-11	1.22E-12	2.43E-11
4832	469166.69	3818197.41	6.36E-11	2.67E-10	2.40E-11	3.55E-10	5.29E-11	1.96E-10	1.73E-11	2.66E-10	6.00E-12	3.44E-11	4.10E-12	4.45E-11	5.46E-12	1.80E-11	1.24E-12	2.47E-11
4833	469175.6	3818193.88	6.46E-11	2.71E-10	2.44E-11	3.60E-10	5.38E-11	1.99E-10	1.75E-11	2.71E-10	6.10E-12	3.49E-11	4.16E-12	4.52E-11	5.54E-12	1.83E-11	1.26E-12	2.51E-11
4834	469184.51	3818190.35	6.56E-11	2.75E-10	2.48E-11	3.66E-10	5.46E-11	2.02E-10	1.78E-11	2.75E-10	6.19E-12	3.54E-11	4.23E-12	4.59E-11	5.63E-12	1.86E-11	1.28E-12	2.55E-11
4835	469193.42	3818186.83	6.65E-11	2.79E-10	2.52E-11	3.71E-10	5.54E-11	2.05E-10	1.81E-11	2.79E-10	6.28E-12	3.60E-11	4.29E-12	4.65E-11	5.71E-12	1.88E-11	1.30E-12	2.58E-11
4836	469202.33	3818183.3	6.75E-11	2.83E-10	2.55E-11	3.76E-10	5.62E-11	2.08E-10	1.83E-11	2.83E-10	6.37E-12	3.65E-11	4.35E-12	4.72E-11	5.79E-12	1.91E-11	1.32E-12	2.62E-11
4837	469211.24	3818179.77	6.83E-11	2.87E-10	2.58E-11	3.81E-10	5.69E-11	2.11E-10	1.86E-11	2.86E-10	6.45E-12	3.69E-11	4.41E-12	4.78E-11	5.87E-12	1.93E-11	1.33E-12	2.65E-11
4838	469220.15	3818176.24	6.92E-11	2.91E-10	2.62E-11	3.86E-10	5.77E-11	2.14E-10	1.88E-11	2.90E-10	6.54E-12	3.74E-11	4.46E-12	4.84E-11	5.94E-12	1.96E-11	1.35E-12	2.69E-11
4839	469229.06	3818172.71	7.01E-11	2.94E-10	2.65E-11	3.91E-10	5.84E-11	2.16E-10	1.90E-11	2.94E-10	6.62E-12	3.79E-11	4.52E-12	4.90E-11	6.02E-12	1.98E-11	1.37E-12	2.72E-11
4840	469237.97	3818169.18	7.08E-11	2.97E-10	2.68E-11	3.95E-10	5.90E-11	2.19E-10	1.92E-11	2.97E-10	6.69E-12	3.83E-11	4.57E-12	4.95E-11	6.08E-12	2.00E-11	1.38E-12	2.75E-11
4841	469246.89	3818165.65	7.16E-11	3.01E-10	2.71E-11	3.99E-10	5.96E-11	2.21E-10	1.94E-11	3.00E-10	6.76E-12	3.87E-11	4.62E-12	5.01E-11	6.14E-12	2.03E-11	1.40E-12	2.78E-11
4842	469255.8	3818162.12	7.23E-11	3.04E-10	2.74E-11	4.03E-10	6.02E-11	2.23E-10	1.96E-11	3.03E-10	6.83E-12	3.91E-11	4.66E-12	5.06E-11	6.21E-12	2.05E-11	1.41E-12	2.81E-11
4843	469264.71	3818158.59	7.29E-11	3.06E-10	2.76E-11	4.07E-10	6.08E-11	2.25E-10	1.98E-11	3.06E-10	6.89E-12	3.94E-11	4.71E-12	5.10E-11	6.26E-12	2.06E-11	1.42E-12	2.83E-11
4844	469273.62	3818155.06	7.36E-11	3.09E-10	2.78E-11	4.10E-10	6.13E-11	2.27E-10	2.00E-11	3.08E-10	6.95E-12	3.98E-11	4.75E-12	5.15E-11	6.32E-12	2.08E-11	1.44E-12	2.86E-11
4845	469282.53	3818151.54	7.41E-11	3.11E-10	2.80E-11	4.13E-10	6.17E-11	2.29E-10	2.01E-11	3.11E-10	7.00E-12	4.01E-11	4.78E-12	5.19E-11	6.36E-12	2.10E-11	1.45E-12	2.88E-11
4846	469291.44	3818148.01	7.46E-11	3.13E-10	2.82E-11	4.16E-10	6.22E-11	2.30E-10	2.03E-11	3.13E-10	7.05E-12	4.03E-11	4.81E-12	5.22E-11	6.41E-12	2.11E-11	1.46E-12	2.90E-11

4847	469300.35	3818144.48	7.51E-11	3.15E-10	2.84E-11	4.19E-10	6.25E-11	2.32E-10	2.04E-11	3.15E-10	7.09E-12	4.06E-11	4.84E-12	5.25E-11	6.44E-12	2.12E-11	1.46E-12	2.92E-11
4848	469309.26	3818140.95	7.55E-11	3.17E-10	2.86E-11	4.21E-10	6.29E-11	2.33E-10	2.05E-11	3.16E-10	7.13E-12	4.08E-11	4.87E-12	5.28E-11	6.48E-12	2.14E-11	1.47E-12	2.93E-11
4849	469318.17	3818137.42	7.59E-11	3.19E-10	2.87E-11	4.23E-10	6.32E-11	2.34E-10	2.06E-11	3.18E-10	7.16E-12	4.10E-11	4.89E-12	5.31E-11	6.51E-12	2.15E-11	1.48E-12	2.95E-11
4850	469327.08	3818133.89	7.62E-11	3.20E-10	2.88E-11	4.25E-10	6.35E-11	2.35E-10	2.07E-11	3.19E-10	7.20E-12	4.12E-11	4.92E-12	5.33E-11	6.54E-12	2.16E-11	1.49E-12	2.96E-11
4851	469335.99	3818130.36	7.67E-11	3.22E-10	2.90E-11	4.28E-10	6.39E-11	2.37E-10	2.08E-11	3.21E-10	7.24E-12	4.14E-11	4.95E-12	5.36E-11	6.58E-12	2.17E-11	1.50E-12	2.98E-11
4852	469344.9	3818126.83	7.71E-11	3.24E-10	2.92E-11	4.30E-10	6.42E-11	2.38E-10	2.09E-11	3.23E-10	7.28E-12	4.17E-11	4.97E-12	5.39E-11	6.62E-12	2.18E-11	1.50E-12	2.99E-11
4853	469353.81	3818123.3	7.75E-11	3.25E-10	2.93E-11	4.32E-10	6.45E-11	2.39E-10	2.10E-11	3.25E-10	7.32E-12	4.19E-11	5.00E-12	5.42E-11	6.65E-12	2.19E-11	1.51E-12	3.01E-11
4854	469362.72	3818119.77	7.79E-11	3.27E-10	2.95E-11	4.35E-10	6.49E-11	2.40E-10	2.12E-11	3.26E-10	7.36E-12	4.21E-11	5.03E-12	5.45E-11	6.69E-12	2.21E-11	1.52E-12	3.03E-11
4855	469371.63	3818116.25	7.82E-11	3.29E-10	2.96E-11	4.36E-10	6.52E-11	2.41E-10	2.12E-11	3.28E-10	7.39E-12	4.23E-11	5.05E-12	5.47E-11	6.72E-12	2.21E-11	1.53E-12	3.04E-11
4856	469380.54	3818112.72	7.85E-11	3.30E-10	2.97E-11	4.38E-10	6.54E-11	2.42E-10	2.13E-11	3.29E-10	7.42E-12	4.25E-11	5.07E-12	5.49E-11	6.74E-12	2.22E-11	1.53E-12	3.05E-11
4857	469389.45	3818109.19	7.88E-11	3.31E-10	2.98E-11	4.40E-10	6.57E-11	2.43E-10	2.14E-11	3.30E-10	7.45E-12	4.26E-11	5.09E-12	5.52E-11	6.77E-12	2.23E-11	1.54E-12	3.06E-11
4858	469398.36	3818105.66	7.92E-11	3.33E-10	3.00E-11	4.42E-10	6.60E-11	2.44E-10	2.15E-11	3.32E-10	7.48E-12	4.28E-11	5.11E-12	5.54E-11	6.80E-12	2.24E-11	1.55E-12	3.08E-11
4859	469407.27	3818102.13	7.96E-11	3.34E-10	3.01E-11	4.44E-10	6.63E-11	2.46E-10	2.16E-11	3.34E-10	7.52E-12	4.30E-11	5.13E-12	5.57E-11	6.83E-12	2.25E-11	1.55E-12	3.09E-11
4860	469416.18	3818098.6	8.00E-11	3.36E-10	3.02E-11	4.46E-10	6.66E-11	2.47E-10	2.17E-11	3.35E-10	7.55E-12	4.32E-11	5.16E-12	5.59E-11	6.86E-12	2.26E-11	1.56E-12	3.11E-11
4861	469425.09	3818095.07	8.04E-11	3.38E-10	3.04E-11	4.48E-10	6.70E-11	2.48E-10	2.18E-11	3.37E-10	7.59E-12	4.35E-11	5.19E-12	5.62E-11	6.90E-12	2.28E-11	1.57E-12	3.12E-11
4862	469434	3818091.54	8.08E-11	3.39E-10	3.06E-11	4.51E-10	6.73E-11	2.49E-10	2.19E-11	3.39E-10	7.63E-12	4.37E-11	5.21E-12	5.65E-11	6.94E-12	2.29E-11	1.58E-12	3.14E-11
4863	469442.91	3818088.01	8.13E-11	3.41E-10	3.07E-11	4.53E-10	6.77E-11	2.51E-10	2.21E-11	3.41E-10	7.67E-12	4.39E-11	5.24E-12	5.69E-11	6.98E-12	2.30E-11	1.59E-12	3.16E-11
4864	469451.82	3818084.48	8.18E-11	3.44E-10	3.09E-11	4.56E-10	6.82E-11	2.53E-10	2.22E-11	3.43E-10	7.73E-12	4.42E-11	5.28E-12	5.72E-11	7.02E-12	2.32E-11	1.60E-12	3.18E-11
4865	469460.73	3818080.96	8.25E-11	3.46E-10	3.12E-11	4.60E-10	6.87E-11	2.54E-10	2.24E-11	3.45E-10	7.79E-12	4.46E-11	5.32E-12	5.77E-11	7.08E-12	2.33E-11	1.61E-12	3.20E-11
4866	469469.64	3818077.43	8.31E-11	3.49E-10	3.14E-11	4.63E-10	6.92E-11	2.56E-10	2.26E-11	3.48E-10	7.84E-12	4.49E-11	5.36E-12	5.81E-11	7.13E-12	2.35E-11	1.62E-12	3.23E-11
4867	469478.55	3818073.9	8.38E-11	3.52E-10	3.17E-11	4.67E-10	6.98E-11	2.58E-10	2.27E-11	3.51E-10	7.91E-12	4.53E-11	5.40E-12	5.86E-11	7.19E-12	2.37E-11	1.63E-12	3.25E-11
4868	469487.46	3818070.37	8.44E-11	3.54E-10	3.19E-11	4.71E-10	7.03E-11	2.60E-10	2.29E-11	3.54E-10	7.97E-12	4.56E-11	5.44E-12	5.90E-11	7.24E-12	2.39E-11	1.65E-12	3.28E-11
4869	469496.37	3818066.84	8.50E-11	3.57E-10	3.21E-11	4.74E-10	7.08E-11	2.62E-10	2.31E-11	3.56E-10	8.03E-12	4.59E-11	5.48E-12	5.95E-11	7.30E-12	2.41E-11	1.66E-12	3.30E-11
4870	469505.28	3818063.31	8.56E-11	3.60E-10	3.24E-11	4.78E-10	7.13E-11	2.64E-10	2.32E-11	3.59E-10	8.09E-12	4.63E-11	5.52E-12	5.99E-11	7.35E-12	2.42E-11	1.67E-12	3.33E-11
4871	469514.19	3818059.78	8.62E-11	3.62E-10	3.26E-11	4.81E-10	7.18E-11	2.66E-10	2.34E-11	3.61E-10	8.14E-12	4.66E-11	5.56E-12	6.03E-11	7.40E-12	2.44E-11	1.68E-12	3.35E-11
4872	469523.1	3818056.25	8.69E-11	3.65E-10	3.29E-11	4.84E-10	7.24E-11	2.68E-10	2.36E-11	3.64E-10	8.20E-12	4.70E-11	5.60E-12	6.08E-11	7.46E-12	2.46E-11	1.69E-12	3.37E-11
4873	469532.01	3818052.72	8.75E-11	3.68E-10	3.31E-11	4.88E-10	7.29E-11	2.70E-10	2.38E-11	3.67E-10	8.27E-12	4.73E-11	5.65E-12	6.12E-11	7.52E-12	2.48E-11	1.71E-12	3.40E-11
4874	469540.92	3818049.19	8.82E-11	3.71E-10	3.34E-11	4.92E-10	7.35E-11	2.72E-10	2.40E-11	3.70E-10	8.33E-12	4.77E-11	5.69E-12	6.17E-11	7.57E-12	2.50E-11	1.72E-12	3.43E-11
4875	469549.83	3818045.67	8.90E-11	3.74E-10	3.36E-11	4.96E-10	7.41E-11	2.75E-10	2.42E-11	3.73E-10	8.40E-12	4.81E-11	5.74E-12	6.22E-11	7.64E-12	2.52E-11	1.74E-12	3.46E-11
4876	469558.74	3818042.14	8.97E-11	3.77E-10	3.39E-11	5.00E-10	7.47E-11	2.77E-10	2.44E-11	3.76E-10	8.47E-12	4.85E-11	5.79E-12	6.28E-11	7.70E-12	2.54E-11	1.75E-12	3.48E-11
4877	469567.65	3818038.61	9.04E-11	3.80E-10	3.42E-11	5.04E-10	7.53E-11	2.79E-10	2.45E-11	3.79E-10	8.54E-12	4.89E-11	5.83E-12	6.32E-11	7.76E-12	2.56E-11	1.76E-12	3.51E-11
4878	469576.56	3818035.08	9.11E-11	3.83E-10	3.44E-11	5.08E-10	7.59E-11	2.81E-10	2.47E-11	3.82E-10	8.60E-12	4.92E-11	5.88E-12	6.37E-11	7.82E-12	2.58E-11	1.78E-12	3.54E-11
4879	469585.47	3818031.55	9.17E-11	3.85E-10	3.47E-11	5.12E-10	7.64E-11	2.83E-10	2.49E-11	3.84E-10	8.66E-12	4.96E-11	5.92E-12	6.42E-11	7.87E-12	2.60E-11	1.79E-12	3.56E-11
4880	469594.38	3818028.02	9.23E-11	3.87E-10	3.49E-11	5.15E-10	7.69E-11	2.85E-10	2.50E-11	3.87E-10	8.71E-12	4.99E-11	5.95E-12	6.45E-11	7.92E-12	2.61E-11	1.80E-12	3.58E-11
4881	469603.29	3818024.49	9.29E-11	3.90E-10	3.51E-11	5.18E-10	7.74E-11	2.87E-10	2.52E-11	3.89E-10	8.77E-12	5.02E-11	5.99E-12	6.50E-11	7.97E-12	2.63E-11	1.81E-12	3.61E-11
4882	469612.2	3818020.96	9.34E-11	3.92E-10	3.53E-11	5.21E-10	7.78E-11	2.88E-10	2.54E-11	3.92E-10	8.82E-12	5.05E-11	6.03E-12	6.54E-11	8.02E-12	2.65E-11	1.82E-12	3.63E-11
4883	469621.11	3818017.43	9.40E-11	3.95E-10	3.56E-11	5.24E-10	7.83E-11	2.90E-10	2.55E-11	3.94E-10	8.88E-12	5.08E-11	6.06E-12	6.58E-11	8.07E-12	2.66E-11	1.83E-12	3.65E-11
4884	469630.02	3818013.9	9.45E-11	3.97E-10	3.57E-11	5.27E-10	7.87E-11	2.92E-10	2.57E-11	3.96E-10	8.92E-12	5.11E-11	6.10E-12	6.61E-11	8.11E-12	2.68E-11	1.84E-12	3.67E-11
4885	469638.93	3818010.38	9.50E-11	3.99E-10	3.59E-11	5.30E-10	7.91E-11	2.93E-10	2.58E-11	3.98E-10	8.97E-12	5.14E-11	6.13E-12	6.65E-11	8.16E-12	2.69E-11	1.85E-12	3.69E-11
4886	469647.84	3818006.85	9.55E-11	4.01E-10	3.61E-11	5.33E-10	7.95E-11	2.95E-10	2.59E-11	4.00E-10	9.02E-12	5.16E-11	6.16E-12	6.68E-11	8.20E-12	2.70E-11	1.86E-12	3.71E-11
4887	469656.75	3818003.32	9.59E-11	4.03E-10	3.63E-11	5.35E-10	7.99E-11	2.96E-10	2.60E-11	4.02E-10	9.06E-12	5.19E-11	6.19E-12	6.71E-11	8.24E-12	2.72E-11	1.87E-12	3.73E-11
4888	469665.66	3817999.79	9.64E-11	4.05E-10	3.64E-11	5.38E-10	8.03E-11	2.97E-10	2.62E-11	4.04E-10	9.10E-12	5.21E-11	6.22E-12	6.74E-11	8.27E-12	2.73E-11	1.88E-12	3.74E-11
4889	469674.58	3817996.26	9.67E-11	4.06E-10	3.66E-11	5.40E-10	8.06E-11	2.99E-10	2.63E-11	4.05E-10	9.14E-12	5.23E-11	6.24E-12	6.77E-11	8.30E-12	2.74E-11	1.89E-12	3.76E-11
4890	469710.22	3817982.14	9.79E-11	4.11E-10	3.70E-11	5.46E-10	8.15E-11	3.02E-10	2.66E-11	4.10E-10	9.24E-12	5.29E-11	6.31E-12	6.85E-11	8.40E-12	2.77E-11	1.91E-12	3.80E-11
4891	469719.13	3817978.61	9.80E-11	4.12E-10	3.71E-11	5.47E-10	8.17E-11	3.03E-10	2.66E-11	4.11E-10	9.26E-12	5.30E-11	6.32E-12	6.86E-11	8.42E-12	2.78E-11	1.91E-12	3.81E-11
4892	469728.04	3817975.09	9.82E-11	4.13E-10	3.72E-11	5.48E-10	8.18E-11	3.03E-10	2.67E-11	4.12E-10	9.28E-12	5.31E-11	6.34E-12	6.87E-11	8.43E-12	2.78E-11	1.92E-12	3.82E-11
4893	469736.95	3817971.56	9.84E-11	4.13E-10	3.72E-11	5.49E-10	8.20E-11	3.04E-10	2.67E-11	4.12E-10	9.29E-12	5.32E-11	6.35E-12	6.88E-11	8.45E-12	2.79E-11	1.92E-12	3.82E-11
4894	469745.86	3817968.03	9.85E-11	4.14E-10	3.73E-11	5.50E-10	8.21E-11	3.04E-10	2.68E-11	4.13E-10	9.31E-12	5.33E-11	6.36E-12	6.89E-11	8.46E-12	2.79E-11	1.92E-12	3.83E-11
4895	469754.77	3817964.5	9.87E-11	4.14E-10	3.73E-11	5.50E-10	8.22E-11	3.04E-10	2.68E-11	4.13E-10	9.32E-12	5.33E-11	6.36E-12	6.90E-11	8.47E-12	2.79E-11	1.93E-12	3.83E-11
4896	469763.68	3817960.97	9.88E-11	4.15E-10	3.74E-11	5.51E-10	8.23E-11	3.05E-10	2.68E-11	4.14E-10	9.33E-12	5.34E-11	6.37E-12	6.91E-11	8.48E-12	2.80E-11	1.93E-12	3.84E-11

4897	469772.59	3817957.44	9.89E-11	4.15E-10	3.74E-11	5.51E-10	8.23E-11	3.05E-10	2.68E-11	4.14E-10	9.33E-12	5.34E-11	6.38E-12	6.92E-11	8.49E-12	2.80E-11	1.93E-12	3.84E-11
4898	469781.5	3817953.91	9.90E-11	4.16E-10	3.74E-11	5.52E-10	8.24E-11	3.05E-10	2.69E-11	4.15E-10	9.35E-12	5.35E-11	6.38E-12	6.92E-11	8.50E-12	2.80E-11	1.93E-12	3.84E-11
4899	469790.41	3817950.38	9.91E-11	4.16E-10	3.75E-11	5.53E-10	8.25E-11	3.06E-10	2.69E-11	4.15E-10	9.36E-12	5.36E-11	6.39E-12	6.93E-11	8.51E-12	2.81E-11	1.93E-12	3.85E-11
4900	469799.32	3817946.85	9.92E-11	4.16E-10	3.75E-11	5.53E-10	8.26E-11	3.06E-10	2.69E-11	4.16E-10	9.36E-12	5.36E-11	6.40E-12	6.94E-11	8.51E-12	2.81E-11	1.93E-12	3.85E-11
4901	469808.23	3817943.33	9.94E-11	4.17E-10	3.76E-11	5.54E-10	8.28E-11	3.07E-10	2.70E-11	4.16E-10	9.38E-12	5.37E-11	6.41E-12	6.95E-11	8.53E-12	2.81E-11	1.94E-12	3.86E-11
4902	469817.14	3817939.8	9.95E-11	4.18E-10	3.76E-11	5.55E-10	8.29E-11	3.07E-10	2.70E-11	4.17E-10	9.39E-12	5.38E-11	6.42E-12	6.96E-11	8.54E-12	2.82E-11	1.94E-12	3.86E-11
4903	469826.05	3817936.27	9.97E-11	4.19E-10	3.77E-11	5.56E-10	8.31E-11	3.08E-10	2.71E-11	4.18E-10	9.42E-12	5.39E-11	6.43E-12	6.98E-11	8.56E-12	2.82E-11	1.95E-12	3.87E-11
4904	469834.96	3817932.74	1.00E-10	4.20E-10	3.78E-11	5.58E-10	8.33E-11	3.08E-10	2.71E-11	4.19E-10	9.44E-12	5.40E-11	6.45E-12	6.99E-11	8.58E-12	2.83E-11	1.95E-12	3.88E-11
4905	469843.87	3817929.21	1.00E-10	4.21E-10	3.79E-11	5.59E-10	8.35E-11	3.09E-10	2.72E-11	4.20E-10	9.46E-12	5.42E-11	6.46E-12	7.01E-11	8.60E-12	2.84E-11	1.96E-12	3.89E-11
4906	469852.78	3817925.68	1.00E-10	4.22E-10	3.80E-11	5.60E-10	8.37E-11	3.10E-10	2.73E-11	4.21E-10	9.49E-12	5.43E-11	6.48E-12	7.03E-11	8.63E-12	2.84E-11	1.96E-12	3.90E-11
4907	469861.69	3817922.15	1.01E-10	4.23E-10	3.81E-11	5.62E-10	8.39E-11	3.11E-10	2.74E-11	4.22E-10	9.52E-12	5.45E-11	6.50E-12	7.05E-11	8.65E-12	2.85E-11	1.97E-12	3.91E-11
4908	469870.6	3817918.62	1.01E-10	4.25E-10	3.83E-11	5.65E-10	8.43E-11	3.12E-10	2.75E-11	4.24E-10	9.56E-12	5.47E-11	6.53E-12	7.08E-11	8.69E-12	2.86E-11	1.97E-12	3.93E-11
4909	469879.51	3817915.09	1.02E-10	4.27E-10	3.85E-11	5.67E-10	8.47E-11	3.14E-10	2.76E-11	4.26E-10	9.60E-12	5.50E-11	6.56E-12	7.12E-11	8.73E-12	2.88E-11	1.98E-12	3.95E-11
4910	469888.42	3817911.56	1.02E-10	4.29E-10	3.86E-11	5.70E-10	8.51E-11	3.15E-10	2.77E-11	4.28E-10	9.65E-12	5.52E-11	6.59E-12	7.15E-11	8.77E-12	2.89E-11	1.99E-12	3.97E-11
4911	469897.33	3817908.04	1.03E-10	4.31E-10	3.88E-11	5.73E-10	8.55E-11	3.17E-10	2.79E-11	4.30E-10	9.69E-12	5.55E-11	6.62E-12	7.18E-11	8.81E-12	2.91E-11	2.00E-12	3.99E-11
4912	469906.24	3817904.51	1.03E-10	4.34E-10	3.91E-11	5.76E-10	8.61E-11	3.19E-10	2.80E-11	4.33E-10	9.76E-12	5.59E-11	6.66E-12	7.23E-11	8.87E-12	2.92E-11	2.02E-12	4.01E-11
4913	469915.15	3817900.98	1.04E-10	4.37E-10	3.94E-11	5.80E-10	8.67E-11	3.21E-10	2.83E-11	4.36E-10	9.83E-12	5.63E-11	6.71E-12	7.28E-11	8.93E-12	2.95E-11	2.03E-12	4.04E-11
4914	469924.06	3817897.45	1.05E-10	4.40E-10	3.97E-11	5.85E-10	8.74E-11	3.24E-10	2.85E-11	4.39E-10	9.90E-12	5.67E-11	6.76E-12	7.34E-11	9.00E-12	2.97E-11	2.05E-12	4.07E-11
4915	469977.52	3817876.27	1.09E-10	4.60E-10	4.14E-11	6.11E-10	9.12E-11	3.38E-10	2.97E-11	4.59E-10	1.03E-11	5.92E-11	7.06E-12	7.66E-11	9.40E-12	3.10E-11	2.14E-12	4.25E-11
4916	469986.43	3817872.75	1.10E-10	4.64E-10	4.18E-11	6.16E-10	9.20E-11	3.41E-10	3.00E-11	4.63E-10	1.04E-11	5.97E-11	7.12E-12	7.72E-11	9.48E-12	3.13E-11	2.15E-12	4.29E-11
4917	469995.34	3817869.22	1.11E-10	4.68E-10	4.21E-11	6.21E-10	9.27E-11	3.44E-10	3.02E-11	4.67E-10	1.05E-11	6.02E-11	7.18E-12	7.79E-11	9.56E-12	3.15E-11	2.17E-12	4.32E-11
4918	470004.25	3817865.69	1.12E-10	4.71E-10	4.24E-11	6.26E-10	9.35E-11	3.46E-10	3.05E-11	4.70E-10	1.06E-11	6.07E-11	7.24E-12	7.85E-11	9.63E-12	3.18E-11	2.19E-12	4.36E-11
4919	470013.16	3817862.16	1.13E-10	4.75E-10	4.28E-11	6.31E-10	9.42E-11	3.49E-10	3.07E-11	4.74E-10	1.07E-11	6.11E-11	7.29E-12	7.91E-11	9.71E-12	3.20E-11	2.21E-12	4.39E-11
4920	470022.07	3817858.63	1.14E-10	4.78E-10	4.30E-11	6.35E-10	9.48E-11	3.51E-10	3.09E-11	4.77E-10	1.07E-11	6.15E-11	7.34E-12	7.96E-11	9.77E-12	3.22E-11	2.22E-12	4.42E-11
4921	470048.8	3817848.04	1.16E-10	4.86E-10	4.37E-11	6.45E-10	9.63E-11	3.57E-10	3.14E-11	4.85E-10	1.09E-11	6.25E-11	7.46E-12	8.09E-11	9.93E-12	3.27E-11	2.26E-12	4.49E-11
4922	470057.71	3817844.51	1.16E-10	4.87E-10	4.39E-11	6.47E-10	9.66E-11	3.58E-10	3.15E-11	4.86E-10	1.10E-11	6.27E-11	7.48E-12	8.11E-11	9.96E-12	3.28E-11	2.26E-12	4.51E-11
4923	470066.62	3817840.98	1.16E-10	4.88E-10	4.40E-11	6.49E-10	9.69E-11	3.59E-10	3.16E-11	4.87E-10	1.10E-11	6.29E-11	7.50E-12	8.14E-11	9.98E-12	3.29E-11	2.27E-12	4.52E-11
4924	470075.53	3817837.46	1.16E-10	4.89E-10	4.40E-11	6.49E-10	9.70E-11	3.59E-10	3.16E-11	4.88E-10	1.10E-11	6.29E-11	7.51E-12	8.15E-11	1.00E-11	3.30E-11	2.27E-12	4.52E-11
4925	470084.44	3817833.93	1.16E-10	4.89E-10	4.40E-11	6.49E-10	9.70E-11	3.59E-10	3.16E-11	4.88E-10	1.10E-11	6.29E-11	7.51E-12	8.15E-11	1.00E-11	3.30E-11	2.27E-12	4.52E-11
4926	470093.35	3817830.4	1.16E-10	4.89E-10	4.40E-11	6.49E-10	9.70E-11	3.59E-10	3.16E-11	4.88E-10	1.10E-11	6.29E-11	7.51E-12	8.15E-11	1.00E-11	3.30E-11	2.27E-12	4.52E-11
4927	470102.27	3817826.87	1.16E-10	4.88E-10	4.40E-11	6.48E-10	9.68E-11	3.59E-10	3.16E-11	4.87E-10	1.10E-11	6.28E-11	7.50E-12	8.13E-11	9.98E-12	3.29E-11	2.27E-12	4.52E-11
4928	468688.85	3819227.01	3.21E-11	1.35E-10	1.21E-11	1.79E-10	2.67E-11	9.89E-11	8.70E-12	1.34E-10	3.03E-12	1.73E-11	2.07E-12	2.24E-11	2.75E-12	9.08E-12	6.26E-13	1.25E-11
4929	468688.66	3819236.66	3.26E-11	1.37E-10	1.23E-11	1.82E-10	2.72E-11	1.01E-10	8.85E-12	1.37E-10	3.08E-12	1.76E-11	2.10E-12	2.28E-11	2.80E-12	9.23E-12	6.36E-13	1.27E-11
4930	468688.46	3819246.31	3.32E-11	1.39E-10	1.25E-11	1.85E-10	2.76E-11	1.02E-10	9.01E-12	1.39E-10	3.13E-12	1.79E-11	2.14E-12	2.32E-11	2.85E-12	9.39E-12	6.47E-13	1.29E-11
4931	468688.27	3819255.95	3.37E-11	1.42E-10	1.28E-11	1.88E-10	2.81E-11	1.04E-10	9.16E-12	1.41E-10	3.19E-12	1.82E-11	2.18E-12	2.36E-11	2.90E-12	9.55E-12	6.58E-13	1.31E-11
4932	468688.08	3819265.6	3.44E-11	1.44E-10	1.30E-11	1.92E-10	2.86E-11	1.06E-10	9.33E-12	1.44E-10	3.24E-12	1.86E-11	2.22E-12	2.40E-11	2.95E-12	9.73E-12	6.70E-13	1.33E-11
4933	468687.88	3819275.25	3.49E-11	1.47E-10	1.32E-11	1.95E-10	2.91E-11	1.08E-10	9.48E-12	1.46E-10	3.30E-12	1.89E-11	2.25E-12	2.44E-11	3.00E-12	9.88E-12	6.81E-13	1.36E-11
4934	468687.69	3819284.9	3.55E-11	1.49E-10	1.34E-11	1.98E-10	2.96E-11	1.09E-10	9.63E-12	1.49E-10	3.35E-12	1.92E-11	2.29E-12	2.48E-11	3.05E-12	1.00E-11	6.92E-13	1.38E-11
4935	468687.5	3819294.55	3.60E-11	1.51E-10	1.36E-11	2.01E-10	3.00E-11	1.11E-10	9.77E-12	1.51E-10	3.40E-12	1.94E-11	2.32E-12	2.52E-11	3.09E-12	1.02E-11	7.02E-13	1.40E-11
4936	468687.3	3819304.2	3.65E-11	1.53E-10	1.38E-11	2.03E-10	3.04E-11	1.13E-10	9.90E-12	1.53E-10	3.44E-12	1.97E-11	2.35E-12	2.55E-11	3.13E-12	1.03E-11	7.12E-13	1.42E-11
4937	468687.11	3819313.84	3.69E-11	1.55E-10	1.40E-11	2.06E-10	3.07E-11	1.14E-10	1.00E-11	1.55E-10	3.49E-12	2.00E-11	2.38E-12	2.58E-11	3.17E-12	1.04E-11	7.20E-13	1.43E-11
4938	468686.92	3819323.49	3.73E-11	1.57E-10	1.41E-11	2.08E-10	3.11E-11	1.15E-10	1.01E-11	1.56E-10	3.53E-12	2.02E-11	2.41E-12	2.61E-11	3.21E-12	1.06E-11	7.29E-13	1.45E-11
4939	468686.72	3819333.14	3.78E-11	1.59E-10	1.43E-11	2.11E-10	3.15E-11	1.17E-10	1.03E-11	1.58E-10	3.57E-12	2.04E-11	2.44E-12	2.64E-11	3.24E-12	1.07E-11	7.37E-13	1.47E-11
4940	468686.53	3819342.79	3.81E-11	1.60E-10	1.44E-11	2.13E-10	3.18E-11	1.18E-10	1.04E-11	1.60E-10	3.60E-12	2.06E-11	2.46E-12	2.67E-11	3.27E-12	1.08E-11	7.44E-13	1.48E-11
4941	468686.34	3819352.44	3.85E-11	1.62E-10	1.45E-11	2.15E-10	3.20E-11	1.19E-10	1.04E-11	1.61E-10	3.63E-12	2.08E-11	2.48E-12	2.69E-11	3.30E-12	1.09E-11	7.50E-13	1.49E-11
4942	468686.14	3819362.08	3.88E-11	1.63E-10	1.47E-11	2.16E-10	3.23E-11	1.20E-10	1.05E-11	1.62E-10	3.66E-12	2.10E-11	2.50E-12	2.71E-11	3.33E-12	1.10E-11	7.57E-13	1.51E-11
4943	468685.95	3819371.73	3.90E-11	1.64E-10	1.48E-11	2.18E-10	3.25E-11	1.20E-10	1.06E-11	1.63E-10	3.68E-12	2.11E-11	2.52E-12	2.73E-11	3.35E-12	1.10E-11	7.61E-13	1.52E-11
4944	468685.76	3819381.38	3.93E-11	1.65E-10	1.49E-11	2.19E-10	3.27E-11	1.21E-10	1.07E-11	1.65E-10	3.71E-12	2.12E-11	2.53E-12	2.75E-11	3.37E-12	1.11E-11	7.66E-13	1.53E-11
4945	468685.56	3819391.03	3.95E-11	1.66E-10	1.49E-11	2.20E-10	3.29E-11	1.22E-10	1.07E-11	1.65E-10	3.73E-12	2.13E-11	2.54E-12	2.76E-11	3.39E-12	1.12E-11	7.70E-13	1.53E-11
4946	468685.37	3819400.68	3.96E-11	1.66E-10	1.50E-11	2.21E-10	3.30E-11	1.22E-10	1.08E-11	1.66E-10	3.74E-12	2.14E-11	2.56E-12	2.77E-11	3.40E-12	1.12E-11	7.74E-13	1.54E-11

4947	468685.18	3819410.33	3.98E-11	1.67E-10	1.51E-11	2.22E-10	3.32E-11	1.23E-10	1.08E-11	1.67E-10	3.76E-12	2.15E-11	2.57E-12	2.79E-11	3.42E-12	1.13E-11	7.77E-13	1.55E-11
4948	468684.98	3819419.97	4.00E-11	1.68E-10	1.51E-11	2.23E-10	3.33E-11	1.23E-10	1.08E-11	1.67E-10	3.77E-12	2.16E-11	2.58E-12	2.79E-11	3.43E-12	1.13E-11	7.80E-13	1.55E-11
4949	468616.94	3819188.49	2.73E-11	1.15E-10	1.03E-11	1.52E-10	2.28E-11	8.44E-11	7.42E-12	1.15E-10	2.58E-12	1.48E-11	1.76E-12	1.91E-11	2.35E-12	7.74E-12	5.33E-13	1.06E-11
4950	468620.78	3819179.68	2.70E-11	1.14E-10	1.02E-11	1.51E-10	2.25E-11	8.34E-11	7.34E-12	1.13E-10	2.55E-12	1.46E-11	1.74E-12	1.89E-11	2.32E-12	7.65E-12	5.27E-13	1.05E-11
4951	468624.62	3819170.87	2.68E-11	1.12E-10	1.01E-11	1.49E-10	2.23E-11	8.26E-11	7.27E-12	1.12E-10	2.53E-12	1.45E-11	1.73E-12	1.87E-11	2.30E-12	7.58E-12	5.23E-13	1.04E-11
4952	468628.46	3819162.05	2.65E-11	1.11E-10	1.00E-11	1.48E-10	2.20E-11	8.17E-11	7.19E-12	1.11E-10	2.50E-12	1.43E-11	1.71E-12	1.85E-11	2.27E-12	7.49E-12	5.16E-13	1.03E-11
4953	468632.31	3819153.24	2.62E-11	1.10E-10	9.89E-12	1.46E-10	2.18E-11	8.07E-11	7.10E-12	1.10E-10	2.47E-12	1.41E-11	1.69E-12	1.83E-11	2.25E-12	7.40E-12	5.10E-13	1.02E-11
4954	468636.15	3819144.43	2.59E-11	1.09E-10	9.80E-12	1.45E-10	2.16E-11	8.00E-11	7.03E-12	1.09E-10	2.45E-12	1.40E-11	1.67E-12	1.81E-11	2.22E-12	7.33E-12	5.06E-13	1.01E-11
4955	468639.99	3819135.62	2.57E-11	1.08E-10	9.70E-12	1.43E-10	2.14E-11	7.92E-11	6.97E-12	1.08E-10	2.42E-12	1.39E-11	1.66E-12	1.80E-11	2.20E-12	7.26E-12	5.01E-13	9.97E-12
4956	468643.84	3819126.81	2.55E-11	1.07E-10	9.63E-12	1.42E-10	2.12E-11	7.86E-11	6.92E-12	1.07E-10	2.41E-12	1.38E-11	1.64E-12	1.78E-11	2.19E-12	7.21E-12	4.97E-13	9.89E-12
4957	468647.68	3819118	2.53E-11	1.06E-10	9.56E-12	1.41E-10	2.11E-11	7.80E-11	6.86E-12	1.06E-10	2.39E-12	1.37E-11	1.63E-12	1.77E-11	2.17E-12	7.16E-12	4.93E-13	9.82E-12
4958	468651.52	3819109.18	2.52E-11	1.06E-10	9.52E-12	1.40E-10	2.10E-11	7.77E-11	6.83E-12	1.05E-10	2.38E-12	1.36E-11	1.62E-12	1.76E-11	2.16E-12	7.12E-12	4.91E-13	9.77E-12
4959	468655.36	3819100.37	2.50E-11	1.05E-10	9.45E-12	1.39E-10	2.08E-11	7.71E-11	6.78E-12	1.05E-10	2.36E-12	1.35E-11	1.61E-12	1.75E-11	2.14E-12	7.07E-12	4.87E-13	9.70E-12
4960	468659.21	3819091.56	2.49E-11	1.05E-10	9.42E-12	1.39E-10	2.08E-11	7.69E-11	6.76E-12	1.04E-10	2.35E-12	1.35E-11	1.61E-12	1.74E-11	2.14E-12	7.05E-12	4.86E-13	9.68E-12
4961	468663.05	3819082.75	2.48E-11	1.04E-10	9.38E-12	1.38E-10	2.06E-11	7.65E-11	6.73E-12	1.04E-10	2.34E-12	1.34E-11	1.60E-12	1.73E-11	2.13E-12	7.02E-12	4.84E-13	9.63E-12
4962	468666.89	3819073.94	2.47E-11	1.04E-10	9.35E-12	1.38E-10	2.06E-11	7.63E-11	6.71E-12	1.04E-10	2.34E-12	1.34E-11	1.60E-12	1.73E-11	2.12E-12	7.00E-12	4.83E-13	9.61E-12
4963	468670.74	3819065.13	2.47E-11	1.04E-10	9.33E-12	1.38E-10	2.05E-11	7.61E-11	6.70E-12	1.03E-10	2.33E-12	1.33E-11	1.59E-12	1.73E-11	2.12E-12	6.98E-12	4.81E-13	9.58E-12
4964	468674.58	3819056.31	2.47E-11	1.04E-10	9.33E-12	1.38E-10	2.05E-11	7.61E-11	6.70E-12	1.03E-10	2.33E-12	1.33E-11	1.59E-12	1.73E-11	2.12E-12	6.98E-12	4.81E-13	9.58E-12
4965	468678.42	3819047.5	2.46E-11	1.03E-10	9.31E-12	1.37E-10	2.05E-11	7.59E-11	6.68E-12	1.03E-10	2.32E-12	1.33E-11	1.59E-12	1.72E-11	2.11E-12	6.96E-12	4.80E-13	9.56E-12
4966	468682.26	3819038.69	2.46E-11	1.03E-10	9.31E-12	1.37E-10	2.05E-11	7.59E-11	6.68E-12	1.03E-10	2.32E-12	1.33E-11	1.59E-12	1.72E-11	2.11E-12	6.96E-12	4.80E-13	9.56E-12
4967	468686.11	3819029.88	2.45E-11	1.03E-10	9.28E-12	1.37E-10	2.04E-11	7.57E-11	6.66E-12	1.03E-10	2.32E-12	1.33E-11	1.58E-12	1.72E-11	2.11E-12	6.95E-12	4.79E-13	9.53E-12
4968	468689.95	3819021.07	2.45E-11	1.03E-10	9.28E-12	1.37E-10	2.04E-11	7.57E-11	6.66E-12	1.03E-10	2.32E-12	1.33E-11	1.58E-12	1.72E-11	2.11E-12	6.95E-12	4.79E-13	9.53E-12
4969	468693.79	3819012.26	2.45E-11	1.03E-10	9.28E-12	1.37E-10	2.04E-11	7.57E-11	6.66E-12	1.03E-10	2.32E-12	1.33E-11	1.58E-12	1.72E-11	2.11E-12	6.95E-12	4.79E-13	9.53E-12
4970	468697.64	3819003.45	2.46E-11	1.03E-10	9.31E-12	1.37E-10	2.05E-11	7.59E-11	6.68E-12	1.03E-10	2.32E-12	1.33E-11	1.59E-12	1.72E-11	2.11E-12	6.96E-12	4.80E-13	9.56E-12
4971	468701.48	3818994.63	2.47E-11	1.04E-10	9.33E-12	1.38E-10	2.05E-11	7.61E-11	6.70E-12	1.03E-10	2.33E-12	1.33E-11	1.59E-12	1.73E-11	2.12E-12	6.98E-12	4.81E-13	9.58E-12
4972	468705.32	3818985.82	2.47E-11	1.04E-10	9.35E-12	1.38E-10	2.06E-11	7.63E-11	6.71E-12	1.04E-10	2.34E-12	1.34E-11	1.60E-12	1.73E-11	2.12E-12	7.00E-12	4.83E-13	9.61E-12
4973	468709.16	3818977.01	2.48E-11	1.04E-10	9.38E-12	1.38E-10	2.06E-11	7.65E-11	6.73E-12	1.04E-10	2.34E-12	1.34E-11	1.60E-12	1.73E-11	2.13E-12	7.02E-12	4.84E-13	9.63E-12
4974	468713.01	3818968.2	2.49E-11	1.04E-10	9.40E-12	1.39E-10	2.07E-11	7.67E-11	6.75E-12	1.04E-10	2.35E-12	1.34E-11	1.60E-12	1.74E-11	2.13E-12	7.03E-12	4.85E-13	9.65E-12
4975	468716.85	3818959.39	2.50E-11	1.05E-10	9.45E-12	1.39E-10	2.08E-11	7.71E-11	6.78E-12	1.05E-10	2.36E-12	1.35E-11	1.61E-12	1.75E-11	2.14E-12	7.07E-12	4.87E-13	9.70E-12
4976	468720.69	3818950.58	2.50E-11	1.05E-10	9.47E-12	1.40E-10	2.09E-11	7.73E-11	6.80E-12	1.05E-10	2.36E-12	1.35E-11	1.62E-12	1.75E-11	2.15E-12	7.09E-12	4.89E-13	9.73E-12
4977	468724.54	3818941.76	2.51E-11	1.05E-10	9.49E-12	1.40E-10	2.09E-11	7.75E-11	6.81E-12	1.05E-10	2.37E-12	1.36E-11	1.62E-12	1.76E-11	2.15E-12	7.10E-12	4.90E-13	9.75E-12
4978	468728.38	3818932.95	2.52E-11	1.06E-10	9.54E-12	1.41E-10	2.10E-11	7.78E-11	6.85E-12	1.06E-10	2.38E-12	1.36E-11	1.63E-12	1.76E-11	2.17E-12	7.14E-12	4.92E-13	9.80E-12
4979	468732.22	3818924.14	2.53E-11	1.06E-10	9.56E-12	1.41E-10	2.11E-11	7.80E-11	6.86E-12	1.06E-10	2.39E-12	1.37E-11	1.63E-12	1.77E-11	2.17E-12	7.16E-12	4.93E-13	9.82E-12
4980	468736.06	3818915.33	2.55E-11	1.07E-10	9.63E-12	1.42E-10	2.12E-11	7.86E-11	6.92E-12	1.07E-10	2.41E-12	1.38E-11	1.64E-12	1.78E-11	2.19E-12	7.21E-12	4.97E-13	9.89E-12
4981	468966.63	3818386.63	5.03E-11	2.11E-10	1.90E-11	2.80E-10	4.19E-11	1.55E-10	1.36E-11	2.11E-10	4.75E-12	2.72E-11	3.24E-12	3.52E-11	4.32E-12	1.42E-11	9.81E-13	1.95E-11
4982	468970.48	3818377.82	5.03E-11	2.11E-10	1.90E-11	2.80E-10	4.19E-11	1.55E-10	1.36E-11	2.11E-10	4.75E-12	2.72E-11	3.24E-12	3.52E-11	4.32E-12	1.42E-11	9.81E-13	1.95E-11
4983	468974.32	3818369.01	5.03E-11	2.11E-10	1.90E-11	2.80E-10	4.19E-11	1.55E-10	1.36E-11	2.11E-10	4.75E-12	2.72E-11	3.24E-12	3.52E-11	4.32E-12	1.42E-11	9.81E-13	1.95E-11
4984	468978.16	3818360.2	5.03E-11	2.11E-10	1.90E-11	2.80E-10	4.19E-11	1.55E-10	1.36E-11	2.11E-10	4.75E-12	2.72E-11	3.24E-12	3.52E-11	4.32E-12	1.42E-11	9.81E-13	1.95E-11
4985	468982.01	3818351.39	5.02E-11	2.11E-10	1.90E-11	2.80E-10	4.18E-11	1.55E-10	1.36E-11	2.10E-10	4.74E-12	2.71E-11	3.24E-12	3.51E-11	4.31E-12	1.42E-11	9.80E-13	1.95E-11
4986	468985.85	3818342.57	5.02E-11	2.11E-10	1.90E-11	2.80E-10	4.18E-11	1.55E-10	1.36E-11	2.10E-10	4.74E-12	2.71E-11	3.24E-12	3.51E-11	4.31E-12	1.42E-11	9.80E-13	1.95E-11
4987	468989.69	3818333.76	5.02E-11	2.11E-10	1.90E-11	2.80E-10	4.18E-11	1.55E-10	1.36E-11	2.10E-10	4.74E-12	2.71E-11	3.24E-12	3.51E-11	4.31E-12	1.42E-11	9.80E-13	1.95E-11
4988	468993.53	3818324.95	5.01E-11	2.11E-10	1.90E-11	2.80E-10	4.18E-11	1.55E-10	1.36E-11	2.10E-10	4.73E-12	2.71E-11	3.23E-12	3.51E-11	4.30E-12	1.42E-11	9.78E-13	1.95E-11
4989	468997.38	3818316.14	5.01E-11	2.10E-10	1.89E-11	2.79E-10	4.17E-11	1.55E-10	1.36E-11	2.10E-10	4.73E-12	2.71E-11	3.23E-12	3.50E-11	4.30E-12	1.42E-11	9.77E-13	1.95E-11
4990	469001.22	3818307.33	5.01E-11	2.10E-10	1.89E-11	2.79E-10	4.17E-11	1.55E-10	1.36E-11	2.10E-10	4.73E-12	2.71E-11	3.23E-12	3.50E-11	4.30E-12	1.42E-11	9.77E-13	1.95E-11
4991	469005.06	3818298.52	5.01E-11	2.10E-10	1.89E-11	2.79E-10	4.17E-11	1.55E-10	1.36E-11	2.10E-10	4.73E-12	2.71E-11	3.23E-12	3.50E-11	4.30E-12	1.42E-11	9.77E-13	1.95E-11
4992	469008.9	3818289.71	5.01E-11	2.10E-10	1.89E-11	2.79E-10	4.17E-11	1.55E-10	1.36E-11	2.10E-10	4.73E-12	2.71E-11	3.23E-12	3.50E-11	4.30E-12	1.42E-11	9.77E-13	1.95E-11
4993	469012.75	3818280.89	5.01E-11	2.11E-10	1.90E-11	2.80E-10	4.18E-11	1.55E-10	1.36E-11	2.10E-10	4.73E-12	2.71E-11	3.23E-12	3.51E-11	4.30E-12	1.42E-11	9.78E-13	1.95E-11
4994	469016.59	3818272.08	5.02E-11	2.11E-10	1.90E-11	2.80E-10	4.18E-11	1.55E-10	1.36E-11	2.10E-10	4.74E-12	2.71E-11	3.24E-12	3.51E-11	4.31E-12	1.42E-11	9.80E-13	1.95E-11
4995	469020.43	3818263.27	5.02E-11	2.11E-10	1.90E-11	2.80E-10	4.18E-11	1.55E-10	1.36E-11	2.10E-10	4.74E-12	2.71E-11	3.24E-12	3.51E-11	4.31E-12	1.42E-11	9.80E-13	1.95E-11
4996	469024.28	3818254.46	5.02E-11	2.11E-10	1.90E-11	2.80E-10	4.18E-11	1.55E-10	1.36E-11	2.10E-10	4.74E-12	2.71E-11	3.24E-12	3.51E-11	4.31E-12	1.42E-11	9.80E-13	1.95E-11

4997	469028.12	3818245.65	5.03E-11	2.11E-10	1.90E-11	2.80E-10	4.19E-11	1.55E-10	1.36E-11	2.11E-10	4.75E-12	2.72E-11	3.24E-12	3.52E-11	4.32E-12	1.42E-11	9.81E-13	1.95E-11
4998	469031.96	3818236.84	5.03E-11	2.11E-10	1.90E-11	2.81E-10	4.19E-11	1.55E-10	1.37E-11	2.11E-10	4.75E-12	2.72E-11	3.25E-12	3.52E-11	4.32E-12	1.42E-11	9.82E-13	1.95E-11
4999	469035.8	3818228.02	5.05E-11	2.12E-10	1.91E-11	2.82E-10	4.21E-11	1.56E-10	1.37E-11	2.12E-10	4.77E-12	2.73E-11	3.26E-12	3.53E-11	4.34E-12	1.43E-11	9.86E-13	1.96E-11
5000	469039.65	3818219.21	5.07E-11	2.13E-10	1.92E-11	2.83E-10	4.22E-11	1.56E-10	1.38E-11	2.12E-10	4.79E-12	2.74E-11	3.27E-12	3.55E-11	4.35E-12	1.44E-11	9.89E-13	1.97E-11
5001	469043.49	3818210.4	5.09E-11	2.14E-10	1.92E-11	2.84E-10	4.24E-11	1.57E-10	1.38E-11	2.13E-10	4.81E-12	2.75E-11	3.28E-12	3.56E-11	4.37E-12	1.44E-11	9.93E-13	1.98E-11
5002	469047.33	3818201.59	5.11E-11	2.14E-10	1.93E-11	2.85E-10	4.25E-11	1.58E-10	1.39E-11	2.14E-10	4.82E-12	2.76E-11	3.29E-12	3.57E-11	4.38E-12	1.45E-11	9.97E-13	1.98E-11
5003	469051.18	3818192.78	5.13E-11	2.16E-10	1.94E-11	2.86E-10	4.27E-11	1.58E-10	1.39E-11	2.15E-10	4.85E-12	2.77E-11	3.31E-12	3.59E-11	4.41E-12	1.45E-11	1.00E-12	1.99E-11
5004	469055.02	3818183.97	5.16E-11	2.17E-10	1.95E-11	2.88E-10	4.30E-11	1.59E-10	1.40E-11	2.16E-10	4.88E-12	2.79E-11	3.33E-12	3.61E-11	4.43E-12	1.46E-11	1.01E-12	2.01E-11
5005	469058.86	3818175.15	5.19E-11	2.18E-10	1.96E-11	2.89E-10	4.32E-11	1.60E-10	1.41E-11	2.17E-10	4.90E-12	2.80E-11	3.35E-12	3.63E-11	4.45E-12	1.47E-11	1.01E-12	2.02E-11
5006	469062.7	3818166.34	5.22E-11	2.19E-10	1.97E-11	2.91E-10	4.35E-11	1.61E-10	1.42E-11	2.19E-10	4.93E-12	2.82E-11	3.37E-12	3.65E-11	4.48E-12	1.48E-11	1.02E-12	2.03E-11
5007	469075.48	3818153.99	5.34E-11	2.24E-10	2.02E-11	2.98E-10	4.45E-11	1.65E-10	1.45E-11	2.24E-10	5.04E-12	2.89E-11	3.44E-12	3.73E-11	4.58E-12	1.51E-11	1.04E-12	2.07E-11
5008	469084.42	3818150.45	5.42E-11	2.28E-10	2.05E-11	3.03E-10	4.52E-11	1.67E-10	1.47E-11	2.27E-10	5.12E-12	2.93E-11	3.50E-12	3.79E-11	4.66E-12	1.54E-11	1.06E-12	2.11E-11
5009	469093.36	3818146.91	5.51E-11	2.31E-10	2.08E-11	3.07E-10	4.59E-11	1.70E-10	1.50E-11	2.31E-10	5.20E-12	2.98E-11	3.55E-12	3.86E-11	4.73E-12	1.56E-11	1.08E-12	2.14E-11
5010	469102.3	3818143.37	5.60E-11	2.35E-10	2.12E-11	3.12E-10	4.66E-11	1.73E-10	1.52E-11	2.35E-10	5.29E-12	3.03E-11	3.61E-12	3.92E-11	4.81E-12	1.58E-11	1.09E-12	2.17E-11
5011	469111.24	3818139.83	5.69E-11	2.39E-10	2.15E-11	3.17E-10	4.74E-11	1.75E-10	1.54E-11	2.38E-10	5.37E-12	3.07E-11	3.67E-12	3.98E-11	4.88E-12	1.61E-11	1.11E-12	2.21E-11
5012	469120.17	3818136.29	5.78E-11	2.43E-10	2.19E-11	3.22E-10	4.81E-11	1.78E-10	1.57E-11	2.42E-10	5.46E-12	3.12E-11	3.73E-12	4.04E-11	4.96E-12	1.64E-11	1.13E-12	2.24E-11
5013	469129.11	3818132.75	5.87E-11	2.46E-10	2.22E-11	3.27E-10	4.89E-11	1.81E-10	1.59E-11	2.46E-10	5.54E-12	3.17E-11	3.78E-12	4.10E-11	5.04E-12	1.66E-11	1.14E-12	2.28E-11
5014	469138.05	3818129.21	5.95E-11	2.50E-10	2.25E-11	3.32E-10	4.95E-11	1.83E-10	1.61E-11	2.49E-10	5.61E-12	3.21E-11	3.84E-12	4.16E-11	5.10E-12	1.68E-11	1.16E-12	2.31E-11
5015	469146.99	3818125.67	6.03E-11	2.53E-10	2.28E-11	3.37E-10	5.03E-11	1.86E-10	1.64E-11	2.53E-10	5.70E-12	3.26E-11	3.89E-12	4.22E-11	5.18E-12	1.71E-11	1.18E-12	2.34E-11
5016	469155.92	3818122.13	6.11E-11	2.57E-10	2.31E-11	3.41E-10	5.09E-11	1.89E-10	1.66E-11	2.56E-10	5.77E-12	3.31E-11	3.94E-12	4.28E-11	5.25E-12	1.73E-11	1.19E-12	2.37E-11
5017	469164.86	3818118.59	6.19E-11	2.60E-10	2.34E-11	3.46E-10	5.16E-11	1.91E-10	1.68E-11	2.60E-10	5.85E-12	3.35E-11	4.00E-12	4.33E-11	5.32E-12	1.75E-11	1.21E-12	2.41E-11
5018	469173.8	3818115.05	6.27E-11	2.63E-10	2.37E-11	3.50E-10	5.22E-11	1.93E-10	1.70E-11	2.63E-10	5.92E-12	3.39E-11	4.04E-12	4.39E-11	5.38E-12	1.77E-11	1.22E-12	2.44E-11
5019	469182.74	3818111.51	6.34E-11	2.66E-10	2.40E-11	3.53E-10	5.28E-11	1.96E-10	1.72E-11	2.66E-10	5.98E-12	3.43E-11	4.09E-12	4.43E-11	5.44E-12	1.79E-11	1.24E-12	2.46E-11
5020	469191.67	3818107.97	6.41E-11	2.69E-10	2.42E-11	3.57E-10	5.34E-11	1.98E-10	1.74E-11	2.68E-10	6.05E-12	3.46E-11	4.13E-12	4.48E-11	5.50E-12	1.81E-11	1.25E-12	2.49E-11
5021	469200.61	3818104.43	6.47E-11	2.72E-10	2.45E-11	3.61E-10	5.39E-11	2.00E-10	1.76E-11	2.71E-10	6.11E-12	3.50E-11	4.17E-12	4.52E-11	5.55E-12	1.83E-11	1.26E-12	2.51E-11
5022	469209.55	3818100.89	6.52E-11	2.74E-10	2.47E-11	3.64E-10	5.43E-11	2.01E-10	1.77E-11	2.73E-10	6.16E-12	3.53E-11	4.21E-12	4.56E-11	5.60E-12	1.85E-11	1.27E-12	2.53E-11
5023	469218.49	3818097.35	6.58E-11	2.76E-10	2.49E-11	3.67E-10	5.48E-11	2.03E-10	1.79E-11	2.76E-10	6.21E-12	3.56E-11	4.24E-12	4.60E-11	5.65E-12	1.86E-11	1.28E-12	2.56E-11
5024	469227.42	3818093.81	6.63E-11	2.78E-10	2.51E-11	3.70E-10	5.52E-11	2.05E-10	1.80E-11	2.78E-10	6.26E-12	3.58E-11	4.28E-12	4.64E-11	5.69E-12	1.88E-11	1.29E-12	2.58E-11
5025	469236.36	3818090.27	6.67E-11	2.80E-10	2.52E-11	3.72E-10	5.56E-11	2.06E-10	1.81E-11	2.80E-10	6.30E-12	3.61E-11	4.30E-12	4.67E-11	5.73E-12	1.89E-11	1.30E-12	2.59E-11
5026	469245.3	3818086.73	6.72E-11	2.82E-10	2.54E-11	3.75E-10	5.59E-11	2.07E-10	1.82E-11	2.81E-10	6.34E-12	3.63E-11	4.33E-12	4.70E-11	5.77E-12	1.90E-11	1.31E-12	2.61E-11
5027	469254.24	3818083.19	6.76E-11	2.84E-10	2.56E-11	3.77E-10	5.63E-11	2.09E-10	1.84E-11	2.83E-10	6.38E-12	3.65E-11	4.36E-12	4.73E-11	5.80E-12	1.91E-11	1.32E-12	2.63E-11
5028	469263.18	3818079.65	6.80E-11	2.85E-10	2.57E-11	3.79E-10	5.66E-11	2.10E-10	1.85E-11	2.85E-10	6.42E-12	3.67E-11	4.38E-12	4.76E-11	5.84E-12	1.92E-11	1.33E-12	2.64E-11
5029	469272.11	3818076.11	6.83E-11	2.87E-10	2.58E-11	3.81E-10	5.69E-11	2.11E-10	1.86E-11	2.86E-10	6.45E-12	3.69E-11	4.41E-12	4.78E-11	5.87E-12	1.93E-11	1.33E-12	2.65E-11
5030	469281.05	3818072.57	6.86E-11	2.88E-10	2.59E-11	3.83E-10	5.71E-11	2.12E-10	1.86E-11	2.87E-10	6.48E-12	3.71E-11	4.42E-12	4.80E-11	5.89E-12	1.94E-11	1.34E-12	2.66E-11
5031	469289.99	3818069.04	6.89E-11	2.89E-10	2.61E-11	3.84E-10	5.74E-11	2.13E-10	1.87E-11	2.89E-10	6.51E-12	3.73E-11	4.44E-12	4.82E-11	5.92E-12	1.95E-11	1.34E-12	2.68E-11
5032	469298.93	3818065.5	6.92E-11	2.91E-10	2.62E-11	3.86E-10	5.77E-11	2.14E-10	1.88E-11	2.90E-10	6.54E-12	3.74E-11	4.46E-12	4.84E-11	5.94E-12	1.96E-11	1.35E-12	2.69E-11
5033	469307.86	3818061.96	6.95E-11	2.92E-10	2.63E-11	3.87E-10	5.79E-11	2.14E-10	1.89E-11	2.91E-10	6.56E-12	3.76E-11	4.48E-12	4.86E-11	5.96E-12	1.97E-11	1.36E-12	2.70E-11
5034	469316.8	3818058.42	6.97E-11	2.93E-10	2.64E-11	3.89E-10	5.81E-11	2.15E-10	1.89E-11	2.92E-10	6.58E-12	3.77E-11	4.50E-12	4.88E-11	5.98E-12	1.97E-11	1.36E-12	2.71E-11
5035	469325.74	3818054.88	6.99E-11	2.94E-10	2.64E-11	3.90E-10	5.82E-11	2.16E-10	1.90E-11	2.93E-10	6.60E-12	3.78E-11	4.51E-12	4.89E-11	6.00E-12	1.98E-11	1.36E-12	2.72E-11
5036	469334.68	3818051.34	7.01E-11	2.95E-10	2.65E-11	3.91E-10	5.84E-11	2.16E-10	1.90E-11	2.94E-10	6.62E-12	3.79E-11	4.52E-12	4.91E-11	6.02E-12	1.99E-11	1.37E-12	2.72E-11
5037	469343.61	3818047.8	7.04E-11	2.96E-10	2.66E-11	3.93E-10	5.86E-11	2.17E-10	1.91E-11	2.95E-10	6.65E-12	3.81E-11	4.54E-12	4.92E-11	6.04E-12	1.99E-11	1.37E-12	2.73E-11
5038	469352.55	3818044.26	7.07E-11	2.97E-10	2.67E-11	3.94E-10	5.89E-11	2.18E-10	1.92E-11	2.96E-10	6.68E-12	3.82E-11	4.56E-12	4.95E-11	6.07E-12	2.00E-11	1.38E-12	2.75E-11
5039	469361.49	3818040.72	7.10E-11	2.98E-10	2.69E-11	3.96E-10	5.92E-11	2.19E-10	1.93E-11	2.98E-10	6.71E-12	3.84E-11	4.58E-12	4.97E-11	6.10E-12	2.01E-11	1.39E-12	2.76E-11
5040	469370.43	3818037.18	7.14E-11	3.00E-10	2.70E-11	3.98E-10	5.95E-11	2.20E-10	1.94E-11	2.99E-10	6.74E-12	3.86E-11	4.60E-12	4.99E-11	6.13E-12	2.02E-11	1.39E-12	2.77E-11
5041	469379.36	3818033.64	7.18E-11	3.02E-10	2.72E-11	4.01E-10	5.98E-11	2.22E-10	1.95E-11	3.01E-10	6.78E-12	3.88E-11	4.63E-12	5.02E-11	6.17E-12	2.03E-11	1.40E-12	2.79E-11
5042	469388.3	3818030.1	7.23E-11	3.04E-10	2.74E-11	4.03E-10	6.02E-11	2.23E-10	1.96E-11	3.03E-10	6.83E-12	3.91E-11	4.66E-12	5.06E-11	6.21E-12	2.05E-11	1.41E-12	2.81E-11
5043	469397.24	3818026.56	7.27E-11	3.05E-10	2.75E-11	4.05E-10	6.06E-11	2.24E-10	1.97E-11	3.05E-10	6.86E-12	3.93E-11	4.69E-12	5.09E-11	6.24E-12	2.06E-11	1.42E-12	2.82E-11
5044	469406.18	3818023.02	7.31E-11	3.07E-10	2.76E-11	4.08E-10	6.09E-11	2.25E-10	1.98E-11	3.06E-10	6.90E-12	3.95E-11	4.71E-12	5.11E-11	6.27E-12	2.07E-11	1.43E-12	2.84E-11
5045	469415.11	3818019.48	7.35E-11	3.09E-10	2.78E-11	4.10E-10	6.12E-11	2.27E-10	2.00E-11	3.08E-10	6.94E-12	3.97E-11	4.74E-12	5.14E-11	6.31E-12	2.08E-11	1.43E-12	2.86E-11
5046	469424.05	3818015.94	7.40E-11	3.11E-10	2.80E-11	4.13E-10	6.16E-11	2.28E-10	2.01E-11	3.10E-10	6.99E-12	4.00E-11	4.77E-12	5.18E-11	6.35E-12	2.09E-11	1.44E-12	2.87E-11

5047	469432.99	3818012.4	7.45E-11	3.13E-10	2.82E-11	4.16E-10	6.21E-11	2.30E-10	2.02E-11	3.12E-10	7.03E-12	4.03E-11	4.81E-12	5.21E-11	6.40E-12	2.11E-11	1.45E-12	2.89E-11
5048	469441.93	3818008.86	7.50E-11	3.15E-10	2.84E-11	4.18E-10	6.25E-11	2.31E-10	2.04E-11	3.14E-10	7.08E-12	4.05E-11	4.84E-12	5.25E-11	6.44E-12	2.12E-11	1.46E-12	2.91E-11
5049	469450.87	3818005.32	7.55E-11	3.17E-10	2.86E-11	4.21E-10	6.29E-11	2.33E-10	2.05E-11	3.16E-10	7.13E-12	4.08E-11	4.87E-12	5.28E-11	6.48E-12	2.14E-11	1.47E-12	2.93E-11
5050	469459.8	3818001.78	7.61E-11	3.20E-10	2.88E-11	4.25E-10	6.34E-11	2.35E-10	2.07E-11	3.19E-10	7.19E-12	4.11E-11	4.91E-12	5.32E-11	6.53E-12	2.15E-11	1.49E-12	2.96E-11
5051	469468.74	3817998.24	7.68E-11	3.23E-10	2.90E-11	4.28E-10	6.40E-11	2.37E-10	2.08E-11	3.22E-10	7.25E-12	4.15E-11	4.95E-12	5.37E-11	6.59E-12	2.17E-11	1.50E-12	2.98E-11
5052	469477.68	3817994.7	7.74E-11	3.25E-10	2.93E-11	4.32E-10	6.45E-11	2.39E-10	2.10E-11	3.24E-10	7.31E-12	4.19E-11	4.99E-12	5.42E-11	6.65E-12	2.19E-11	1.51E-12	3.01E-11
5053	469486.62	3817991.16	7.80E-11	3.27E-10	2.95E-11	4.35E-10	6.49E-11	2.41E-10	2.12E-11	3.27E-10	7.36E-12	4.22E-11	5.03E-12	5.45E-11	6.69E-12	2.21E-11	1.52E-12	3.03E-11
5054	469495.55	3817987.62	7.85E-11	3.30E-10	2.97E-11	4.38E-10	6.54E-11	2.42E-10	2.13E-11	3.29E-10	7.42E-12	4.25E-11	5.07E-12	5.49E-11	6.74E-12	2.22E-11	1.53E-12	3.05E-11
5055	469504.49	3817984.08	7.91E-11	3.32E-10	2.99E-11	4.41E-10	6.59E-11	2.44E-10	2.15E-11	3.31E-10	7.47E-12	4.28E-11	5.10E-12	5.53E-11	6.79E-12	2.24E-11	1.54E-12	3.07E-11
5056	469513.43	3817980.54	7.97E-11	3.35E-10	3.01E-11	4.44E-10	6.63E-11	2.46E-10	2.16E-11	3.34E-10	7.52E-12	4.31E-11	5.14E-12	5.57E-11	6.84E-12	2.25E-11	1.55E-12	3.09E-11
5057	469522.37	3817977	8.03E-11	3.37E-10	3.04E-11	4.48E-10	6.69E-11	2.48E-10	2.18E-11	3.36E-10	7.58E-12	4.34E-11	5.18E-12	5.62E-11	6.89E-12	2.27E-11	1.57E-12	3.12E-11
5058	469531.3	3817973.46	8.09E-11	3.40E-10	3.06E-11	4.51E-10	6.74E-11	2.50E-10	2.20E-11	3.39E-10	7.64E-12	4.37E-11	5.22E-12	5.66E-11	6.94E-12	2.29E-11	1.58E-12	3.14E-11
5059	469540.24	3817969.92	8.15E-11	3.42E-10	3.08E-11	4.55E-10	6.79E-11	2.52E-10	2.21E-11	3.42E-10	7.70E-12	4.41E-11	5.26E-12	5.70E-11	7.00E-12	2.31E-11	1.59E-12	3.17E-11
5060	469549.18	3817966.38	8.21E-11	3.45E-10	3.10E-11	4.58E-10	6.84E-11	2.53E-10	2.23E-11	3.44E-10	7.75E-12	4.44E-11	5.29E-12	5.74E-11	7.05E-12	2.32E-11	1.60E-12	3.19E-11
5061	469558.12	3817962.84	8.26E-11	3.47E-10	3.13E-11	4.61E-10	6.88E-11	2.55E-10	2.24E-11	3.46E-10	7.80E-12	4.47E-11	5.33E-12	5.78E-11	7.09E-12	2.34E-11	1.61E-12	3.21E-11
5062	469567.05	3817959.3	8.31E-11	3.49E-10	3.14E-11	4.64E-10	6.92E-11	2.57E-10	2.26E-11	3.48E-10	7.85E-12	4.49E-11	5.36E-12	5.82E-11	7.14E-12	2.35E-11	1.62E-12	3.23E-11
5063	469575.99	3817955.76	8.37E-11	3.51E-10	3.17E-11	4.67E-10	6.97E-11	2.58E-10	2.27E-11	3.51E-10	7.90E-12	4.52E-11	5.40E-12	5.85E-11	7.18E-12	2.37E-11	1.63E-12	3.25E-11
5064	469584.93	3817952.22	8.42E-11	3.54E-10	3.18E-11	4.70E-10	7.01E-11	2.60E-10	2.29E-11	3.53E-10	7.95E-12	4.55E-11	5.43E-12	5.89E-11	7.23E-12	2.38E-11	1.64E-12	3.27E-11
5065	469593.87	3817948.68	8.47E-11	3.56E-10	3.20E-11	4.72E-10	7.05E-11	2.61E-10	2.30E-11	3.55E-10	8.00E-12	4.58E-11	5.46E-12	5.92E-11	7.27E-12	2.40E-11	1.65E-12	3.29E-11
5066	469602.8	3817945.14	8.51E-11	3.57E-10	3.22E-11	4.75E-10	7.09E-11	2.63E-10	2.31E-11	3.57E-10	8.04E-12	4.60E-11	5.49E-12	5.95E-11	7.31E-12	2.41E-11	1.66E-12	3.31E-11
5067	469611.74	3817941.6	8.56E-11	3.59E-10	3.24E-11	4.77E-10	7.13E-11	2.64E-10	2.32E-11	3.59E-10	8.08E-12	4.63E-11	5.52E-12	5.99E-11	7.34E-12	2.42E-11	1.67E-12	3.32E-11
5068	469620.68	3817938.06	8.60E-11	3.61E-10	3.25E-11	4.80E-10	7.16E-11	2.65E-10	2.33E-11	3.60E-10	8.12E-12	4.65E-11	5.55E-12	6.02E-11	7.38E-12	2.43E-11	1.68E-12	3.34E-11
5069	469629.62	3817934.52	8.64E-11	3.63E-10	3.27E-11	4.82E-10	7.19E-11	2.67E-10	2.34E-11	3.62E-10	8.16E-12	4.67E-11	5.57E-12	6.04E-11	7.41E-12	2.44E-11	1.69E-12	3.35E-11
5070	469638.56	3817930.98	8.67E-11	3.64E-10	3.28E-11	4.84E-10	7.22E-11	2.68E-10	2.35E-11	3.63E-10	8.19E-12	4.69E-11	5.59E-12	6.07E-11	7.45E-12	2.46E-11	1.69E-12	3.37E-11
5071	469647.49	3817927.44	8.71E-11	3.66E-10	3.29E-11	4.86E-10	7.26E-11	2.69E-10	2.36E-11	3.65E-10	8.23E-12	4.71E-11	5.62E-12	6.09E-11	7.48E-12	2.47E-11	1.70E-12	3.38E-11
5072	469656.43	3817923.9	8.74E-11	3.67E-10	3.31E-11	4.88E-10	7.28E-11	2.70E-10	2.37E-11	3.66E-10	8.26E-12	4.73E-11	5.64E-12	6.12E-11	7.50E-12	2.47E-11	1.71E-12	3.40E-11
5073	469665.37	3817920.36	8.77E-11	3.68E-10	3.32E-11	4.89E-10	7.30E-11	2.71E-10	2.38E-11	3.67E-10	8.28E-12	4.74E-11	5.65E-12	6.13E-11	7.53E-12	2.48E-11	1.71E-12	3.41E-11
5074	469674.31	3817916.82	8.79E-11	3.69E-10	3.32E-11	4.90E-10	7.32E-11	2.71E-10	2.38E-11	3.68E-10	8.30E-12	4.75E-11	5.67E-12	6.15E-11	7.54E-12	2.49E-11	1.71E-12	3.41E-11
5075	469683.24	3817913.28	8.80E-11	3.70E-10	3.33E-11	4.91E-10	7.33E-11	2.72E-10	2.39E-11	3.69E-10	8.31E-12	4.76E-11	5.68E-12	6.16E-11	7.56E-12	2.49E-11	1.72E-12	3.42E-11
5076	469710.06	3817902.66	8.84E-11	3.71E-10	3.34E-11	4.93E-10	7.36E-11	2.73E-10	2.40E-11	3.70E-10	8.35E-12	4.78E-11	5.70E-12	6.18E-11	7.59E-12	2.50E-11	1.73E-12	3.43E-11
5077	469754.74	3817884.96	8.87E-11	3.72E-10	3.35E-11	4.95E-10	7.39E-11	2.74E-10	2.41E-11	3.72E-10	8.37E-12	4.79E-11	5.72E-12	6.20E-11	7.61E-12	2.51E-11	1.73E-12	3.44E-11
5078	469763.68	3817881.42	8.87E-11	3.72E-10	3.35E-11	4.95E-10	7.39E-11	2.74E-10	2.41E-11	3.72E-10	8.37E-12	4.79E-11	5.72E-12	6.20E-11	7.61E-12	2.51E-11	1.73E-12	3.44E-11
5079	469772.62	3817877.88	8.87E-11	3.73E-10	3.36E-11	4.95E-10	7.39E-11	2.74E-10	2.41E-11	3.72E-10	8.38E-12	4.80E-11	5.72E-12	6.21E-11	7.62E-12	2.51E-11	1.73E-12	3.45E-11
5080	469781.56	3817874.34	8.88E-11	3.73E-10	3.36E-11	4.95E-10	7.40E-11	2.74E-10	2.41E-11	3.72E-10	8.38E-12	4.80E-11	5.73E-12	6.21E-11	7.62E-12	2.51E-11	1.73E-12	3.45E-11
5081	469790.5	3817870.8	8.88E-11	3.73E-10	3.36E-11	4.96E-10	7.40E-11	2.74E-10	2.41E-11	3.72E-10	8.39E-12	4.80E-11	5.73E-12	6.22E-11	7.63E-12	2.52E-11	1.73E-12	3.45E-11
5082	469799.43	3817867.26	8.89E-11	3.73E-10	3.36E-11	4.96E-10	7.41E-11	2.74E-10	2.41E-11	3.73E-10	8.40E-12	4.81E-11	5.73E-12	6.22E-11	7.63E-12	2.52E-11	1.73E-12	3.45E-11
5083	469808.37	3817863.72	8.90E-11	3.74E-10	3.37E-11	4.97E-10	7.42E-11	2.75E-10	2.42E-11	3.73E-10	8.41E-12	4.81E-11	5.74E-12	6.23E-11	7.64E-12	2.52E-11	1.74E-12	3.46E-11
5084	469817.31	3817860.18	8.92E-11	3.74E-10	3.37E-11	4.97E-10	7.43E-11	2.75E-10	2.42E-11	3.74E-10	8.42E-12	4.82E-11	5.75E-12	6.24E-11	7.65E-12	2.52E-11	1.74E-12	3.46E-11
5085	469826.25	3817856.64	8.93E-11	3.75E-10	3.38E-11	4.98E-10	7.44E-11	2.76E-10	2.43E-11	3.74E-10	8.44E-12	4.83E-11	5.76E-12	6.25E-11	7.67E-12	2.53E-11	1.74E-12	3.47E-11
5086	469835.18	3817853.1	8.95E-11	3.76E-10	3.39E-11	4.99E-10	7.46E-11	2.76E-10	2.43E-11	3.75E-10	8.45E-12	4.84E-11	5.77E-12	6.26E-11	7.69E-12	2.53E-11	1.75E-12	3.48E-11
5087	469844.12	3817849.56	8.98E-11	3.77E-10	3.40E-11	5.01E-10	7.48E-11	2.77E-10	2.44E-11	3.76E-10	8.48E-12	4.85E-11	5.79E-12	6.28E-11	7.71E-12	2.54E-11	1.75E-12	3.49E-11
5088	469853.06	3817846.02	9.00E-11	3.78E-10	3.40E-11	5.02E-10	7.49E-11	2.78E-10	2.44E-11	3.77E-10	8.50E-12	4.86E-11	5.80E-12	6.29E-11	7.72E-12	2.55E-11	1.76E-12	3.49E-11
5089	469862	3817842.48	9.02E-11	3.79E-10	3.41E-11	5.03E-10	7.51E-11	2.78E-10	2.45E-11	3.78E-10	8.52E-12	4.88E-11	5.82E-12	6.31E-11	7.74E-12	2.55E-11	1.76E-12	3.50E-11
5090	469870.93	3817838.95	9.06E-11	3.80E-10	3.43E-11	5.05E-10	7.55E-11	2.80E-10	2.46E-11	3.80E-10	8.55E-12	4.90E-11	5.84E-12	6.34E-11	7.78E-12	2.56E-11	1.77E-12	3.52E-11
5091	469879.87	3817835.41	9.11E-11	3.83E-10	3.44E-11	5.08E-10	7.59E-11	2.81E-10	2.47E-11	3.82E-10	8.60E-12	4.92E-11	5.88E-12	6.37E-11	7.82E-12	2.58E-11	1.78E-12	3.54E-11
5092	469888.81	3817831.87	9.16E-11	3.85E-10	3.47E-11	5.11E-10	7.63E-11	2.83E-10	2.49E-11	3.84E-10	8.65E-12	4.95E-11	5.91E-12	6.41E-11	7.87E-12	2.59E-11	1.79E-12	3.56E-11
5093	469897.75	3817828.33	9.22E-11	3.87E-10	3.49E-11	5.14E-10	7.68E-11	2.85E-10	2.50E-11	3.86E-10	8.71E-12	4.98E-11	5.95E-12	6.45E-11	7.92E-12	2.61E-11	1.80E-12	3.58E-11
5094	469906.68	3817824.79	9.28E-11	3.90E-10	3.51E-11	5.17E-10	7.73E-11	2.86E-10	2.52E-11	3.89E-10	8.76E-12	5.01E-11	5.98E-12	6.49E-11	7.96E-12	2.63E-11	1.81E-12	3.60E-11
5095	469915.62	3817821.25	9.33E-11	3.92E-10	3.53E-11	5.21E-10	7.77E-11	2.88E-10	2.53E-11	3.91E-10	8.81E-12	5.05E-11	6.02E-12	6.53E-11	8.01E-12	2.64E-11	1.82E-12	3.62E-11
5096	469924.56	3817817.71	9.40E-11	3.95E-10	3.56E-11	5.24E-10	7.83E-11	2.90E-10	2.55E-11	3.94E-10	8.88E-12	5.08E-11	6.06E-12	6.58E-11	8.07E-12	2.66E-11	1.83E-12	3.65E-11

5097	469933.5	3817814.17	9.48E-11	3.98E-10	3.58E-11	5.28E-10	7.89E-11	2.92E-10	2.57E-11	3.97E-10	8.95E-12	5.12E-11	6.11E-12	6.63E-11	8.13E-12	2.68E-11	1.85E-12	3.68E-11
5098	469942.43	3817810.63	9.57E-11	4.02E-10	3.62E-11	5.34E-10	7.97E-11	2.95E-10	2.60E-11	4.01E-10	9.04E-12	5.17E-11	6.17E-12	6.69E-11	8.21E-12	2.71E-11	1.87E-12	3.72E-11
5099	469951.37	3817807.09	9.66E-11	4.06E-10	3.65E-11	5.39E-10	8.05E-11	2.98E-10	2.62E-11	4.05E-10	9.12E-12	5.22E-11	6.23E-12	6.76E-11	8.29E-12	2.73E-11	1.89E-12	3.75E-11
5100	469960.31	3817803.55	9.75E-11	4.10E-10	3.69E-11	5.44E-10	8.13E-11	3.01E-10	2.65E-11	4.09E-10	9.21E-12	5.27E-11	6.29E-12	6.82E-11	8.37E-12	2.76E-11	1.90E-12	3.79E-11
5101	469969.25	3817800.01	9.85E-11	4.14E-10	3.73E-11	5.50E-10	8.21E-11	3.04E-10	2.68E-11	4.13E-10	9.31E-12	5.33E-11	6.36E-12	6.89E-11	8.46E-12	2.79E-11	1.92E-12	3.83E-11
5102	469978.19	3817796.47	9.95E-11	4.18E-10	3.76E-11	5.55E-10	8.29E-11	3.07E-10	2.70E-11	4.17E-10	9.39E-12	5.38E-11	6.42E-12	6.96E-11	8.54E-12	2.82E-11	1.94E-12	3.86E-11
5103	469987.12	3817792.93	1.00E-10	4.22E-10	3.80E-11	5.60E-10	8.37E-11	3.10E-10	2.73E-11	4.21E-10	9.49E-12	5.43E-11	6.48E-12	7.03E-11	8.63E-12	2.84E-11	1.96E-12	3.90E-11
5104	469996.06	3817789.39	1.01E-10	4.25E-10	3.83E-11	5.65E-10	8.44E-11	3.13E-10	2.75E-11	4.24E-10	9.56E-12	5.47E-11	6.53E-12	7.08E-11	8.69E-12	2.87E-11	1.98E-12	3.93E-11
5105	470022.87	3817778.77	1.04E-10	4.35E-10	3.92E-11	5.78E-10	8.63E-11	3.20E-10	2.81E-11	4.34E-10	9.78E-12	5.60E-11	6.68E-12	7.25E-11	8.89E-12	2.93E-11	2.02E-12	4.02E-11
5106	470031.81	3817775.23	1.04E-10	4.38E-10	3.94E-11	5.82E-10	8.68E-11	3.22E-10	2.83E-11	4.37E-10	9.85E-12	5.64E-11	6.72E-12	7.29E-11	8.95E-12	2.95E-11	2.03E-12	4.05E-11
5107	470040.75	3817771.69	1.05E-10	4.40E-10	3.97E-11	5.85E-10	8.74E-11	3.24E-10	2.85E-11	4.39E-10	9.90E-12	5.67E-11	6.76E-12	7.34E-11	9.00E-12	2.97E-11	2.05E-12	4.07E-11
5108	470049.69	3817768.15	1.05E-10	4.43E-10	3.99E-11	5.88E-10	8.78E-11	3.25E-10	2.86E-11	4.42E-10	9.95E-12	5.70E-11	6.80E-12	7.37E-11	9.05E-12	2.98E-11	2.06E-12	4.09E-11
5109	470058.62	3817764.61	1.06E-10	4.44E-10	4.00E-11	5.90E-10	8.81E-11	3.26E-10	2.87E-11	4.43E-10	9.99E-12	5.72E-11	6.82E-12	7.40E-11	9.08E-12	2.99E-11	2.06E-12	4.11E-11
5110	470067.56	3817761.07	1.06E-10	4.45E-10	4.01E-11	5.91E-10	8.83E-11	3.27E-10	2.88E-11	4.44E-10	1.00E-11	5.73E-11	6.84E-12	7.41E-11	9.10E-12	3.00E-11	2.07E-12	4.12E-11
5111	468608.86	3819225.41	2.90E-11	1.22E-10	1.10E-11	1.62E-10	2.42E-11	8.95E-11	7.88E-12	1.22E-10	2.74E-12	1.57E-11	1.87E-12	2.03E-11	2.49E-12	8.21E-12	5.66E-13	1.13E-11
5112	468608.67	3819235.06	2.96E-11	1.24E-10	1.12E-11	1.65E-10	2.46E-11	9.13E-11	8.03E-12	1.24E-10	2.79E-12	1.60E-11	1.91E-12	2.07E-11	2.54E-12	8.37E-12	5.77E-13	1.15E-11
5113	468608.48	3819244.7	3.01E-11	1.27E-10	1.14E-11	1.68E-10	2.51E-11	9.30E-11	8.18E-12	1.26E-10	2.85E-12	1.63E-11	1.94E-12	2.11E-11	2.59E-12	8.53E-12	5.88E-13	1.17E-11
5114	468608.28	3819254.35	3.06E-11	1.29E-10	1.16E-11	1.71E-10	2.55E-11	9.45E-11	8.31E-12	1.28E-10	2.89E-12	1.66E-11	1.98E-12	2.14E-11	2.63E-12	8.67E-12	5.98E-13	1.19E-11
5115	468608.09	3819264	3.12E-11	1.31E-10	1.18E-11	1.74E-10	2.60E-11	9.63E-11	8.47E-12	1.31E-10	2.95E-12	1.69E-11	2.01E-12	2.18E-11	2.68E-12	8.83E-12	6.09E-13	1.21E-11
5116	468607.9	3819273.65	3.17E-11	1.33E-10	1.20E-11	1.77E-10	2.64E-11	9.78E-11	8.60E-12	1.33E-10	2.99E-12	1.71E-11	2.04E-12	2.22E-11	2.72E-12	8.97E-12	6.18E-13	1.23E-11
5117	468607.71	3819283.3	3.22E-11	1.35E-10	1.22E-11	1.80E-10	2.68E-11	9.93E-11	8.74E-12	1.35E-10	3.04E-12	1.74E-11	2.08E-12	2.25E-11	2.76E-12	9.11E-12	6.28E-13	1.25E-11
5118	468607.51	3819292.95	3.26E-11	1.37E-10	1.23E-11	1.82E-10	2.72E-11	1.01E-10	8.85E-12	1.37E-10	3.08E-12	1.76E-11	2.10E-12	2.28E-11	2.80E-12	9.23E-12	6.36E-13	1.27E-11
5119	468607.32	3819302.59	3.31E-11	1.39E-10	1.25E-11	1.84E-10	2.75E-11	1.02E-10	8.97E-12	1.39E-10	3.12E-12	1.79E-11	2.13E-12	2.31E-11	2.84E-12	9.36E-12	6.45E-13	1.28E-11
5120	468607.13	3819312.24	3.35E-11	1.41E-10	1.27E-11	1.87E-10	2.79E-11	1.03E-10	9.09E-12	1.40E-10	3.16E-12	1.81E-11	2.16E-12	2.34E-11	2.87E-12	9.48E-12	6.53E-13	1.30E-11
5121	468606.93	3819321.89	3.39E-11	1.42E-10	1.28E-11	1.89E-10	2.82E-11	1.04E-10	9.19E-12	1.42E-10	3.20E-12	1.83E-11	2.18E-12	2.37E-11	2.91E-12	9.59E-12	6.61E-13	1.32E-11
5122	468606.74	3819331.54	3.42E-11	1.44E-10	1.29E-11	1.91E-10	2.85E-11	1.06E-10	9.29E-12	1.43E-10	3.23E-12	1.85E-11	2.21E-12	2.39E-11	2.94E-12	9.69E-12	6.68E-13	1.33E-11
5123	468606.55	3819341.19	3.46E-11	1.45E-10	1.31E-11	1.93E-10	2.88E-11	1.07E-10	9.39E-12	1.45E-10	3.27E-12	1.87E-11	2.23E-12	2.42E-11	2.97E-12	9.80E-12	6.75E-13	1.34E-11
5124	468606.35	3819350.83	3.49E-11	1.47E-10	1.32E-11	1.95E-10	2.91E-11	1.08E-10	9.48E-12	1.46E-10	3.30E-12	1.89E-11	2.25E-12	2.44E-11	3.00E-12	9.88E-12	6.81E-13	1.36E-11
5125	468606.16	3819360.48	3.52E-11	1.48E-10	1.33E-11	1.97E-10	2.93E-11	1.09E-10	9.56E-12	1.48E-10	3.33E-12	1.90E-11	2.27E-12	2.46E-11	3.02E-12	9.97E-12	6.87E-13	1.37E-11
5126	468605.97	3819370.13	3.55E-11	1.49E-10	1.34E-11	1.98E-10	2.96E-11	1.09E-10	9.63E-12	1.49E-10	3.35E-12	1.92E-11	2.29E-12	2.48E-11	3.05E-12	1.00E-11	6.92E-13	1.38E-11
5127	468605.77	3819379.78	3.57E-11	1.50E-10	1.35E-11	1.99E-10	2.97E-11	1.10E-10	9.68E-12	1.49E-10	3.37E-12	1.93E-11	2.30E-12	2.49E-11	3.06E-12	1.01E-11	6.96E-13	1.39E-11
5128	468605.58	3819389.43	3.59E-11	1.51E-10	1.36E-11	2.00E-10	2.99E-11	1.11E-10	9.73E-12	1.50E-10	3.39E-12	1.94E-11	2.31E-12	2.51E-11	3.08E-12	1.01E-11	7.00E-13	1.39E-11
5129	468605.39	3819399.08	3.60E-11	1.51E-10	1.36E-11	2.01E-10	3.00E-11	1.11E-10	9.78E-12	1.51E-10	3.40E-12	1.95E-11	2.32E-12	2.52E-11	3.09E-12	1.02E-11	7.03E-13	1.40E-11
5130	468605.19	3819408.72	3.62E-11	1.52E-10	1.37E-11	2.02E-10	3.01E-11	1.12E-10	9.82E-12	1.52E-10	3.41E-12	1.95E-11	2.33E-12	2.53E-11	3.10E-12	1.02E-11	7.06E-13	1.40E-11
5131	468605	3819418.37	3.62E-11	1.52E-10	1.37E-11	2.02E-10	3.02E-11	1.12E-10	9.83E-12	1.52E-10	3.42E-12	1.96E-11	2.34E-12	2.53E-11	3.11E-12	1.03E-11	7.07E-13	1.41E-11
5132	470093.02	3819664.65	7.16E-09	3.01E-08	2.71E-09	3.99E-08	5.96E-09	2.21E-08	1.94E-09	3.00E-08	6.76E-10	3.87E-09	4.62E-10	5.01E-09	6.14E-10	2.03E-09	1.40E-10	2.78E-09
5133	470084.4	3819660.93	7.12E-09	2.99E-08	2.69E-09	3.97E-08	5.93E-09	2.20E-08	1.93E-09	2.98E-08	6.72E-10	3.85E-09	4.59E-10	4.98E-09	6.11E-10	2.01E-09	1.39E-10	2.76E-09
5134	470075.78	3819657.2	7.05E-09	2.96E-08	2.67E-09	3.93E-08	5.88E-09	2.18E-08	1.91E-09	2.96E-08	6.66E-10	3.81E-09	4.55E-10	4.93E-09	6.06E-10	2.00E-09	1.38E-10	2.74E-09
5135	470067.17	3819653.47	6.97E-09	2.93E-08	2.64E-09	3.89E-08	5.81E-09	2.15E-08	1.89E-09	2.92E-08	6.58E-10	3.77E-09	4.50E-10	4.88E-09	5.98E-10	1.97E-09	1.36E-10	2.71E-09
5136	470101.64	3819668.38	7.17E-09	3.01E-08	2.71E-09	4.00E-08	5.98E-09	2.21E-08	1.95E-09	3.01E-08	6.77E-10	3.88E-09	4.63E-10	5.02E-09	6.16E-10	2.03E-09	1.40E-10	2.79E-09
5137	470111.33	3819668.51	7.32E-09	3.07E-08	2.77E-09	4.08E-08	6.10E-09	2.26E-08	1.99E-09	3.07E-08	6.91E-10	3.96E-09	4.72E-10	5.12E-09	6.28E-10	2.07E-09	1.43E-10	2.84E-09
5138	470121.03	3819668.65	7.44E-09	3.13E-08	2.81E-09	4.15E-08	6.20E-09	2.30E-08	2.02E-09	3.12E-08	7.03E-10	4.02E-09	4.80E-10	5.21E-09	6.39E-10	2.11E-09	1.45E-10	2.89E-09
5139	470130.73	3819668.78	7.54E-09	3.17E-08	2.85E-09	4.20E-08	6.28E-09	2.33E-08	2.05E-09	3.16E-08	7.12E-10	4.07E-09	4.86E-10	5.27E-09	6.47E-10	2.13E-09	1.47E-10	2.93E-09
5140	470140.43	3819668.92	7.61E-09	3.19E-08	2.88E-09	4.24E-08	6.34E-09	2.35E-08	2.06E-09	3.19E-08	7.18E-10	4.11E-09	4.91E-10	5.32E-09	6.53E-10	2.15E-09	1.48E-10	2.95E-09
5141	470150.12	3819669.05	7.65E-09	3.21E-08	2.89E-09	4.26E-08	6.37E-09	2.36E-08	2.08E-09	3.20E-08	7.22E-10	4.13E-09	4.93E-10	5.35E-09	6.56E-10	2.16E-09	1.49E-10	2.97E-09
5142	470159.82	3819669.19	7.66E-09	3.21E-08	2.90E-09	4.27E-08	6.38E-09	2.36E-08	2.08E-09	3.21E-08	7.23E-10	4.14E-09	4.94E-10	5.36E-09	6.57E-10	2.17E-09	1.49E-10	2.97E-09
5143	470169.52	3819669.32	7.64E-09	3.21E-08	2.89E-09	4.26E-08	6.36E-09	2.36E-08	2.07E-09	3.20E-08	7.21E-10	4.13E-09	4.92E-10	5.34E-09	6.55E-10	2.16E-09	1.49E-10	2.97E-09
5144	470179.22	3819669.46	7.59E-09	3.19E-08	2.87E-09	4.23E-08	6.32E-09	2.34E-08	2.06E-09	3.18E-08	7.16E-10	4.10E-09	4.89E-10	5.31E-09	6.51E-10	2.15E-09	1.48E-10	2.95E-09
5145	470188.91	3819669.59	7.51E-09	3.15E-08	2.84E-09	4.19E-08	6.25E-09	2.32E-08	2.04E-09	3.15E-08	7.09E-10	4.06E-09	4.84E-10	5.25E-09	6.44E-10	2.13E-09	1.46E-10	2.92E-09
5146	470198.61	3819669.73	7.40E-09	3.11E-08	2.80E-09	4.13E-08	6.17E-09	2.28E-08	2.01E-09	3.10E-08	6.99E-10	4.00E-09	4.77E-10	5.18E-09	6.36E-10	2.10E-09	1.44E-10	2.88E-09

5147	470208.31	3819669.86	7.27E-09	3.05E-08	2.75E-09	4.06E-08	6.06E-09	2.24E-08	1.97E-09	3.05E-08	6.87E-10	3.93E-09	4.69E-10	5.09E-09	6.24E-10	2.06E-09	1.42E-10	2.83E-09
5148	470218	3819670	7.12E-09	2.99E-08	2.69E-09	3.97E-08	5.93E-09	2.20E-08	1.93E-09	2.98E-08	6.73E-10	3.85E-09	4.59E-10	4.98E-09	6.11E-10	2.02E-09	1.39E-10	2.77E-09
5149	470227.7	3819670.13	6.95E-09	2.92E-08	2.63E-09	3.88E-08	5.79E-09	2.15E-08	1.89E-09	2.91E-08	6.57E-10	3.76E-09	4.49E-10	4.86E-09	5.97E-10	1.97E-09	1.36E-10	2.70E-09
5150	470237.4	3819670.27	6.77E-09	2.84E-08	2.56E-09	3.77E-08	5.64E-09	2.09E-08	1.84E-09	2.84E-08	6.39E-10	3.66E-09	4.37E-10	4.73E-09	5.81E-10	1.92E-09	1.32E-10	2.63E-09
5151	470247.1	3819670.4	6.57E-09	2.76E-08	2.48E-09	3.66E-08	5.47E-09	2.03E-08	1.78E-09	2.75E-08	6.20E-10	3.55E-09	4.24E-10	4.60E-09	5.64E-10	1.86E-09	1.28E-10	2.55E-09
5152	470256.79	3819670.54	6.36E-09	2.67E-08	2.41E-09	3.55E-08	5.30E-09	1.96E-08	1.73E-09	2.67E-08	6.01E-10	3.44E-09	4.10E-10	4.45E-09	5.46E-10	1.80E-09	1.24E-10	2.47E-09
5153	470266.49	3819670.67	6.15E-09	2.58E-08	2.33E-09	3.43E-08	5.12E-09	1.90E-08	1.67E-09	2.58E-08	5.81E-10	3.32E-09	3.97E-10	4.30E-09	5.28E-10	1.74E-09	1.20E-10	2.39E-09
5154	470092.9	3819684.72	6.47E-09	2.72E-08	2.45E-09	3.61E-08	5.39E-09	2.00E-08	1.76E-09	2.71E-08	6.11E-10	3.50E-09	4.17E-10	4.53E-09	5.55E-10	1.83E-09	1.26E-10	2.51E-09
5155	470084.44	3819681.06	6.45E-09	2.71E-08	2.44E-09	3.60E-08	5.37E-09	1.99E-08	1.75E-09	2.70E-08	6.09E-10	3.49E-09	4.16E-10	4.51E-09	5.54E-10	1.83E-09	1.26E-10	2.50E-09
5156	470075.98	3819677.4	6.41E-09	2.69E-08	2.42E-09	3.57E-08	5.34E-09	1.98E-08	1.74E-09	2.68E-08	6.05E-10	3.46E-09	4.13E-10	4.48E-09	5.50E-10	1.81E-09	1.25E-10	2.49E-09
5157	470067.52	3819673.74	6.35E-09	2.67E-08	2.40E-09	3.54E-08	5.29E-09	1.96E-08	1.72E-09	2.66E-08	5.99E-10	3.43E-09	4.09E-10	4.44E-09	5.45E-10	1.80E-09	1.24E-10	2.47E-09
5158	470059.05	3819670.08	6.27E-09	2.63E-08	2.37E-09	3.50E-08	5.22E-09	1.94E-08	1.70E-09	2.63E-08	5.92E-10	3.39E-09	4.04E-10	4.39E-09	5.38E-10	1.78E-09	1.22E-10	2.44E-09
5159	470050.59	3819666.42	6.18E-09	2.59E-08	2.34E-09	3.45E-08	5.15E-09	1.91E-08	1.68E-09	2.59E-08	5.83E-10	3.34E-09	3.98E-10	4.32E-09	5.30E-10	1.75E-09	1.21E-10	2.40E-09
5160	470042.13	3819662.77	6.07E-09	2.55E-08	2.29E-09	3.38E-08	5.05E-09	1.87E-08	1.65E-09	2.54E-08	5.73E-10	3.28E-09	3.91E-10	4.24E-09	5.21E-10	1.72E-09	1.18E-10	2.36E-09
5161	470033.67	3819659.11	5.94E-09	2.50E-08	2.25E-09	3.31E-08	4.95E-09	1.83E-08	1.61E-09	2.49E-08	5.61E-10	3.21E-09	3.83E-10	4.16E-09	5.10E-10	1.68E-09	1.16E-10	2.31E-09
5162	470025.21	3819655.45	5.81E-09	2.44E-08	2.20E-09	3.24E-08	4.84E-09	1.79E-08	1.58E-09	2.43E-08	5.48E-10	3.14E-09	3.75E-10	4.06E-09	4.98E-10	1.64E-09	1.13E-10	2.26E-09
5163	470016.75	3819651.79	5.66E-09	2.38E-08	2.14E-09	3.16E-08	4.71E-09	1.75E-08	1.54E-09	2.37E-08	5.35E-10	3.06E-09	3.65E-10	3.96E-09	4.86E-10	1.60E-09	1.10E-10	2.20E-09
5164	470101.36	3819688.38	6.47E-09	2.72E-08	2.45E-09	3.61E-08	5.39E-09	2.00E-08	1.76E-09	2.71E-08	6.11E-10	3.50E-09	4.18E-10	4.53E-09	5.56E-10	1.83E-09	1.26E-10	2.51E-09
5165	470111.06	3819688.51	6.59E-09	2.77E-08	2.49E-09	3.67E-08	5.49E-09	2.03E-08	1.79E-09	2.76E-08	6.22E-10	3.56E-09	4.25E-10	4.61E-09	5.66E-10	1.86E-09	1.29E-10	2.56E-09
5166	470120.75	3819688.65	6.68E-09	2.81E-08	2.53E-09	3.73E-08	5.57E-09	2.06E-08	1.81E-09	2.80E-08	6.31E-10	3.61E-09	4.31E-10	4.67E-09	5.74E-10	1.89E-09	1.30E-10	2.60E-09
5167	470130.45	3819688.78	6.75E-09	2.84E-08	2.55E-09	3.77E-08	5.63E-09	2.08E-08	1.83E-09	2.83E-08	6.38E-10	3.65E-09	4.36E-10	4.72E-09	5.80E-10	1.91E-09	1.32E-10	2.62E-09
5168	470140.15	3819688.92	6.80E-09	2.86E-08	2.57E-09	3.79E-08	5.67E-09	2.10E-08	1.85E-09	2.85E-08	6.42E-10	3.68E-09	4.39E-10	4.76E-09	5.84E-10	1.93E-09	1.33E-10	2.64E-09
5169	470149.85	3819689.05	6.83E-09	2.87E-08	2.58E-09	3.81E-08	5.69E-09	2.11E-08	1.85E-09	2.86E-08	6.45E-10	3.69E-09	4.40E-10	4.78E-09	5.86E-10	1.93E-09	1.33E-10	2.65E-09
5170	470159.54	3819689.19	6.83E-09	2.87E-08	2.58E-09	3.81E-08	5.69E-09	2.11E-08	1.85E-09	2.86E-08	6.45E-10	3.69E-09	4.41E-10	4.78E-09	5.86E-10	1.93E-09	1.33E-10	2.65E-09
5171	470169.24	3819689.32	6.81E-09	2.86E-08	2.57E-09	3.80E-08	5.67E-09	2.10E-08	1.85E-09	2.85E-08	6.43E-10	3.68E-09	4.39E-10	4.76E-09	5.84E-10	1.93E-09	1.33E-10	2.64E-09
5172	470178.94	3819689.46	6.76E-09	2.84E-08	2.56E-09	3.77E-08	5.63E-09	2.09E-08	1.83E-09	2.83E-08	6.38E-10	3.65E-09	4.36E-10	4.73E-09	5.80E-10	1.91E-09	1.32E-10	2.63E-09
5173	470188.63	3819689.59	6.69E-09	2.81E-08	2.53E-09	3.73E-08	5.57E-09	2.06E-08	1.82E-09	2.80E-08	6.32E-10	3.62E-09	4.31E-10	4.68E-09	5.74E-10	1.89E-09	1.31E-10	2.60E-09
5174	470198.33	3819689.73	6.60E-09	2.77E-08	2.50E-09	3.68E-08	5.50E-09	2.04E-08	1.79E-09	2.76E-08	6.23E-10	3.57E-09	4.26E-10	4.62E-09	5.66E-10	1.87E-09	1.29E-10	2.56E-09
5175	470208.03	3819689.86	6.49E-09	2.72E-08	2.45E-09	3.62E-08	5.40E-09	2.00E-08	1.76E-09	2.72E-08	6.13E-10	3.51E-09	4.18E-10	4.54E-09	5.57E-10	1.84E-09	1.27E-10	2.52E-09
5176	470217.73	3819690	6.36E-09	2.67E-08	2.41E-09	3.55E-08	5.30E-09	1.96E-08	1.73E-09	2.66E-08	6.01E-10	3.44E-09	4.10E-10	4.45E-09	5.46E-10	1.80E-09	1.24E-10	2.47E-09
5177	470227.42	3819690.13	6.22E-09	2.61E-08	2.35E-09	3.47E-08	5.18E-09	1.92E-08	1.69E-09	2.60E-08	5.87E-10	3.36E-09	4.01E-10	4.35E-09	5.34E-10	1.76E-09	1.21E-10	2.41E-09
5178	470237.12	3819690.27	6.06E-09	2.55E-08	2.29E-09	3.38E-08	5.05E-09	1.87E-08	1.65E-09	2.54E-08	5.72E-10	3.28E-09	3.91E-10	4.24E-09	5.20E-10	1.72E-09	1.18E-10	2.35E-09
5179	470246.82	3819690.4	5.89E-09	2.48E-08	2.23E-09	3.29E-08	4.91E-09	1.82E-08	1.60E-09	2.47E-08	5.57E-10	3.19E-09	3.80E-10	4.12E-09	5.06E-10	1.67E-09	1.15E-10	2.29E-09
5180	470256.51	3819690.54	5.72E-09	2.40E-08	2.16E-09	3.19E-08	4.76E-09	1.77E-08	1.55E-09	2.40E-08	5.40E-10	3.09E-09	3.69E-10	4.00E-09	4.91E-10	1.62E-09	1.12E-10	2.22E-09
5181	470266.21	3819690.67	5.54E-09	2.33E-08	2.10E-09	3.09E-08	4.61E-09	1.71E-08	1.50E-09	2.32E-08	5.23E-10	3.00E-09	3.57E-10	3.88E-09	4.76E-10	1.57E-09	1.08E-10	2.15E-09
5182	470092.35	3819704.6	5.88E-09	2.47E-08	2.22E-09	3.28E-08	4.90E-09	1.81E-08	1.60E-09	2.46E-08	5.55E-10	3.18E-09	3.79E-10	4.11E-09	5.05E-10	1.66E-09	1.15E-10	2.28E-09
5183	470083.62	3819700.82	5.86E-09	2.46E-08	2.22E-09	3.27E-08	4.88E-09	1.81E-08	1.59E-09	2.46E-08	5.54E-10	3.17E-09	3.78E-10	4.10E-09	5.03E-10	1.66E-09	1.14E-10	2.28E-09
5184	470074.89	3819697.05	5.83E-09	2.45E-08	2.21E-09	3.25E-08	4.86E-09	1.80E-08	1.58E-09	2.44E-08	5.51E-10	3.15E-09	3.76E-10	4.08E-09	5.01E-10	1.65E-09	1.14E-10	2.27E-09
5185	470066.16	3819693.28	5.79E-09	2.43E-08	2.19E-09	3.23E-08	4.82E-09	1.79E-08	1.57E-09	2.43E-08	5.47E-10	3.13E-09	3.73E-10	4.05E-09	4.97E-10	1.64E-09	1.13E-10	2.25E-09
5186	470057.43	3819689.5	5.73E-09	2.41E-08	2.17E-09	3.19E-08	4.77E-09	1.77E-08	1.55E-09	2.40E-08	5.41E-10	3.10E-09	3.69E-10	4.01E-09	4.92E-10	1.62E-09	1.12E-10	2.22E-09
5187	470048.7	3819685.73	5.65E-09	2.37E-08	2.14E-09	3.15E-08	4.71E-09	1.74E-08	1.53E-09	2.37E-08	5.34E-10	3.05E-09	3.64E-10	3.95E-09	4.85E-10	1.60E-09	1.10E-10	2.19E-09
5188	470039.97	3819681.95	5.56E-09	2.33E-08	2.10E-09	3.10E-08	4.63E-09	1.72E-08	1.51E-09	2.33E-08	5.25E-10	3.01E-09	3.59E-10	3.89E-09	4.77E-10	1.57E-09	1.08E-10	2.16E-09
5189	470031.24	3819678.18	5.46E-09	2.29E-08	2.06E-09	3.04E-08	4.54E-09	1.68E-08	1.48E-09	2.29E-08	5.15E-10	2.95E-09	3.52E-10	3.82E-09	4.68E-10	1.54E-09	1.06E-10	2.12E-09
5190	470022.51	3819674.4	5.34E-09	2.24E-08	2.02E-09	2.98E-08	4.45E-09	1.65E-08	1.45E-09	2.24E-08	5.04E-10	2.89E-09	3.45E-10	3.74E-09	4.59E-10	1.51E-09	1.04E-10	2.07E-09
5191	470013.78	3819670.63	5.22E-09	2.19E-08	1.97E-09	2.91E-08	4.34E-09	1.61E-08	1.42E-09	2.19E-08	4.93E-10	2.82E-09	3.36E-10	3.65E-09	4.48E-10	1.48E-09	1.02E-10	2.03E-09
5192	470005.06	3819666.85	5.08E-09	2.13E-08	1.92E-09	2.84E-08	4.23E-09	1.57E-08	1.38E-09	2.13E-08	4.80E-10	2.75E-09	3.28E-10	3.56E-09	4.36E-10	1.44E-09	9.92E-11	1.97E-09
5193	469996.33	3819663.08	4.94E-09	2.08E-08	1.87E-09	2.76E-08	4.12E-09	1.53E-08	1.34E-09	2.07E-08	4.67E-10	2.67E-09	3.19E-10	3.46E-09	4.24E-10	1.40E-09	9.65E-11	1.92E-09
5194	469987.6	3819659.3	4.80E-09	2.01E-08	1.81E-09	2.68E-08	4.00E-09	1.48E-08	1.30E-09	2.01E-08	4.53E-10	2.59E-09	3.09E-10	3.36E-09	4.12E-10	1.36E-09	9.36E-11	1.86E-09
5195	470101.08	3819708.37	5.87E-09	2.47E-08	2.22E-09	3.28E-08	4.89E-09	1.81E-08	1.59E-09	2.46E-08	5.54E-10	3.17E-09	3.79E-10	4.11E-09	5.04E-10	1.66E-09	1.15E-10	2.28E-09
5196	470110.78	3819708.51	5.96E-09	2.50E-08	2.25E-09	3.33E-08	4.97E-09	1.84E-08	1.62E-09	2.50E-08	5.63E-10	3.22E-09	3.85E-10	4.17E-09	5.12E-10	1.69E-09	1.16E-10	2.32E-09

5197	470120.48	3819708.64	6.03E-09	2.53E-08	2.28E-09	3.37E-08	5.03E-09	1.86E-08	1.64E-09	2.53E-08	5.70E-10	3.26E-09	3.89E-10	4.22E-09	5.18E-10	1.71E-09	1.18E-10	2.34E-09
5198	470130.17	3819708.78	6.09E-09	2.56E-08	2.30E-09	3.40E-08	5.07E-09	1.88E-08	1.65E-09	2.55E-08	5.75E-10	3.29E-09	3.93E-10	4.26E-09	5.23E-10	1.72E-09	1.19E-10	2.36E-09
5199	470139.87	3819708.91	6.12E-09	2.57E-08	2.32E-09	3.42E-08	5.10E-09	1.89E-08	1.66E-09	2.57E-08	5.78E-10	3.31E-09	3.95E-10	4.28E-09	5.26E-10	1.73E-09	1.19E-10	2.38E-09
5200	470149.57	3819709.05	6.14E-09	2.58E-08	2.32E-09	3.42E-08	5.11E-09	1.89E-08	1.67E-09	2.57E-08	5.80E-10	3.32E-09	3.96E-10	4.29E-09	5.27E-10	1.74E-09	1.20E-10	2.38E-09
5201	470159.26	3819709.18	6.13E-09	2.58E-08	2.32E-09	3.42E-08	5.11E-09	1.89E-08	1.66E-09	2.57E-08	5.79E-10	3.32E-09	3.96E-10	4.29E-09	5.26E-10	1.74E-09	1.20E-10	2.38E-09
5202	470168.96	3819709.32	6.11E-09	2.56E-08	2.31E-09	3.41E-08	5.09E-09	1.88E-08	1.66E-09	2.56E-08	5.77E-10	3.30E-09	3.94E-10	4.27E-09	5.24E-10	1.73E-09	1.19E-10	2.37E-09
5203	470178.66	3819709.45	6.06E-09	2.55E-08	2.29E-09	3.38E-08	5.05E-09	1.87E-08	1.65E-09	2.54E-08	5.73E-10	3.28E-09	3.91E-10	4.24E-09	5.21E-10	1.72E-09	1.18E-10	2.36E-09
5204	470188.36	3819709.59	6.00E-09	2.52E-08	2.27E-09	3.35E-08	5.00E-09	1.85E-08	1.63E-09	2.51E-08	5.67E-10	3.24E-09	3.87E-10	4.20E-09	5.15E-10	1.70E-09	1.17E-10	2.33E-09
5205	470198.05	3819709.72	5.92E-09	2.49E-08	2.24E-09	3.30E-08	4.93E-09	1.83E-08	1.61E-09	2.48E-08	5.59E-10	3.20E-09	3.82E-10	4.14E-09	5.08E-10	1.68E-09	1.16E-10	2.30E-09
5206	470207.75	3819709.86	5.82E-09	2.45E-08	2.20E-09	3.25E-08	4.85E-09	1.80E-08	1.58E-09	2.44E-08	5.50E-10	3.15E-09	3.76E-10	4.07E-09	5.00E-10	1.65E-09	1.14E-10	2.26E-09
5207	470217.45	3819709.99	5.71E-09	2.40E-08	2.16E-09	3.19E-08	4.76E-09	1.76E-08	1.55E-09	2.39E-08	5.40E-10	3.09E-09	3.69E-10	4.00E-09	4.91E-10	1.62E-09	1.12E-10	2.22E-09
5208	470227.14	3819710.13	5.59E-09	2.35E-08	2.12E-09	3.12E-08	4.66E-09	1.73E-08	1.52E-09	2.34E-08	5.28E-10	3.02E-09	3.61E-10	3.91E-09	4.80E-10	1.58E-09	1.09E-10	2.17E-09
5209	470236.84	3819710.26	5.46E-09	2.29E-08	2.07E-09	3.05E-08	4.55E-09	1.69E-08	1.48E-09	2.29E-08	5.16E-10	2.95E-09	3.52E-10	3.82E-09	4.69E-10	1.55E-09	1.07E-10	2.12E-09
5210	470246.54	3819710.4	5.32E-09	2.23E-08	2.01E-09	2.97E-08	4.43E-09	1.64E-08	1.44E-09	2.23E-08	5.02E-10	2.88E-09	3.43E-10	3.72E-09	4.57E-10	1.51E-09	1.04E-10	2.07E-09
5211	470256.24	3819710.53	5.17E-09	2.17E-08	1.96E-09	2.89E-08	4.31E-09	1.60E-08	1.40E-09	2.17E-08	4.89E-10	2.80E-09	3.34E-10	3.62E-09	4.44E-10	1.46E-09	1.01E-10	2.01E-09
5212	470265.93	3819710.67	5.02E-09	2.11E-08	1.90E-09	2.80E-08	4.18E-09	1.55E-08	1.36E-09	2.10E-08	4.74E-10	2.71E-09	3.24E-10	3.51E-09	4.31E-10	1.42E-09	9.80E-11	1.95E-09
5213	470092.22	3819724.66	5.36E-09	2.25E-08	2.03E-09	2.99E-08	4.46E-09	1.65E-08	1.45E-09	2.25E-08	5.06E-10	2.90E-09	3.46E-10	3.75E-09	4.60E-10	1.52E-09	1.05E-10	2.08E-09
5214	470083.64	3819720.95	5.36E-09	2.25E-08	2.03E-09	2.99E-08	4.46E-09	1.65E-08	1.45E-09	2.24E-08	5.06E-10	2.90E-09	3.46E-10	3.75E-09	4.60E-10	1.52E-09	1.05E-10	2.08E-09
5215	470075.05	3819717.24	5.34E-09	2.24E-08	2.02E-09	2.98E-08	4.45E-09	1.65E-08	1.45E-09	2.24E-08	5.04E-10	2.89E-09	3.44E-10	3.73E-09	4.58E-10	1.51E-09	1.04E-10	2.07E-09
5216	470066.47	3819713.53	5.31E-09	2.23E-08	2.01E-09	2.96E-08	4.42E-09	1.64E-08	1.44E-09	2.22E-08	5.01E-10	2.87E-09	3.42E-10	3.71E-09	4.56E-10	1.50E-09	1.04E-10	2.06E-09
5217	470014.97	3819691.25	4.87E-09	2.04E-08	1.84E-09	2.72E-08	4.05E-09	1.50E-08	1.32E-09	2.04E-08	4.60E-10	2.63E-09	3.14E-10	3.41E-09	4.18E-10	1.38E-09	9.50E-11	1.89E-09
5218	470006.38	3819687.54	4.76E-09	2.00E-08	1.80E-09	2.66E-08	3.97E-09	1.47E-08	1.29E-09	2.00E-08	4.50E-10	2.57E-09	3.07E-10	3.33E-09	4.09E-10	1.35E-09	9.29E-11	1.85E-09
5219	469997.8	3819683.83	4.65E-09	1.95E-08	1.76E-09	2.59E-08	3.87E-09	1.44E-08	1.26E-09	1.95E-08	4.39E-10	2.51E-09	3.00E-10	3.25E-09	3.99E-10	1.32E-09	9.07E-11	1.81E-09
5220	469989.22	3819680.12	4.53E-09	1.90E-08	1.71E-09	2.53E-08	3.77E-09	1.40E-08	1.23E-09	1.90E-08	4.28E-10	2.45E-09	2.92E-10	3.17E-09	3.89E-10	1.28E-09	8.84E-11	1.76E-09
5221	469980.63	3819676.41	4.41E-09	1.85E-08	1.67E-09	2.46E-08	3.67E-09	1.36E-08	1.20E-09	1.85E-08	4.16E-10	2.38E-09	2.84E-10	3.08E-09	3.78E-10	1.25E-09	8.60E-11	1.71E-09
5222	470100.8	3819728.37	5.35E-09	2.25E-08	2.02E-09	2.98E-08	4.45E-09	1.65E-08	1.45E-09	2.24E-08	5.05E-10	2.89E-09	3.45E-10	3.74E-09	4.59E-10	1.51E-09	1.04E-10	2.08E-09
5223	470110.5	3819728.51	5.41E-09	2.27E-08	2.05E-09	3.02E-08	4.51E-09	1.67E-08	1.47E-09	2.27E-08	5.11E-10	2.93E-09	3.49E-10	3.79E-09	4.65E-10	1.53E-09	1.06E-10	2.10E-09
5224	470120.2	3819728.64	5.47E-09	2.30E-08	2.07E-09	3.05E-08	4.56E-09	1.69E-08	1.49E-09	2.29E-08	5.17E-10	2.96E-09	3.53E-10	3.83E-09	4.70E-10	1.55E-09	1.07E-10	2.12E-09
5225	470129.89	3819728.78	5.51E-09	2.31E-08	2.08E-09	3.07E-08	4.59E-09	1.70E-08	1.50E-09	2.31E-08	5.20E-10	2.98E-09	3.55E-10	3.86E-09	4.73E-10	1.56E-09	1.08E-10	2.14E-09
5226	470139.59	3819728.91	5.54E-09	2.32E-08	2.09E-09	3.09E-08	4.61E-09	1.71E-08	1.50E-09	2.32E-08	5.23E-10	2.99E-09	3.57E-10	3.87E-09	4.75E-10	1.57E-09	1.08E-10	2.15E-09
5227	470149.29	3819729.05	5.54E-09	2.33E-08	2.10E-09	3.09E-08	4.62E-09	1.71E-08	1.50E-09	2.32E-08	5.23E-10	3.00E-09	3.57E-10	3.88E-09	4.76E-10	1.57E-09	1.08E-10	2.15E-09
5228	470158.99	3819729.18	5.53E-09	2.32E-08	2.09E-09	3.09E-08	4.61E-09	1.71E-08	1.50E-09	2.32E-08	5.23E-10	2.99E-09	3.57E-10	3.87E-09	4.75E-10	1.57E-09	1.08E-10	2.15E-09
5229	470168.68	3819729.32	5.51E-09	2.31E-08	2.08E-09	3.07E-08	4.59E-09	1.70E-08	1.50E-09	2.31E-08	5.20E-10	2.98E-09	3.55E-10	3.85E-09	4.73E-10	1.56E-09	1.07E-10	2.14E-09
5230	470178.38	3819729.45	5.47E-09	2.30E-08	2.07E-09	3.05E-08	4.55E-09	1.69E-08	1.48E-09	2.29E-08	5.16E-10	2.95E-09	3.53E-10	3.82E-09	4.69E-10	1.55E-09	1.07E-10	2.12E-09
5231	470188.08	3819729.59	5.41E-09	2.27E-08	2.05E-09	3.02E-08	4.51E-09	1.67E-08	1.47E-09	2.27E-08	5.11E-10	2.92E-09	3.49E-10	3.78E-09	4.64E-10	1.53E-09	1.06E-10	2.10E-09
5232	470197.77	3819729.72	5.34E-09	2.24E-08	2.02E-09	2.98E-08	4.45E-09	1.65E-08	1.45E-09	2.24E-08	5.04E-10	2.89E-09	3.44E-10	3.73E-09	4.58E-10	1.51E-09	1.04E-10	2.07E-09
5233	470207.47	3819729.86	5.26E-09	2.21E-08	1.99E-09	2.93E-08	4.38E-09	1.62E-08	1.43E-09	2.20E-08	4.96E-10	2.84E-09	3.39E-10	3.68E-09	4.51E-10	1.49E-09	1.03E-10	2.04E-09
5234	470217.17	3819729.99	5.16E-09	2.17E-08	1.95E-09	2.88E-08	4.30E-09	1.59E-08	1.40E-09	2.16E-08	4.87E-10	2.79E-09	3.33E-10	3.61E-09	4.43E-10	1.46E-09	1.01E-10	2.00E-09
5235	470226.87	3819730.13	5.06E-09	2.12E-08	1.91E-09	2.82E-08	4.21E-09	1.56E-08	1.37E-09	2.12E-08	4.77E-10	2.73E-09	3.26E-10	3.54E-09	4.34E-10	1.43E-09	9.86E-11	1.96E-09
5236	470236.56	3819730.26	4.94E-09	2.08E-08	1.87E-09	2.76E-08	4.12E-09	1.53E-08	1.34E-09	2.07E-08	4.67E-10	2.67E-09	3.19E-10	3.46E-09	4.24E-10	1.40E-09	9.65E-11	1.92E-09
5237	470246.26	3819730.4	4.83E-09	2.03E-08	1.83E-09	2.69E-08	4.02E-09	1.49E-08	1.31E-09	2.02E-08	4.56E-10	2.61E-09	3.11E-10	3.38E-09	4.14E-10	1.37E-09	9.42E-11	1.87E-09
5238	470255.96	3819730.53	4.70E-09	1.98E-08	1.78E-09	2.62E-08	3.92E-09	1.45E-08	1.28E-09	1.97E-08	4.44E-10	2.54E-09	3.03E-10	3.29E-09	4.04E-10	1.33E-09	9.18E-11	1.83E-09
5239	470265.66	3819730.67	4.57E-09	1.92E-08	1.73E-09	2.55E-08	3.81E-09	1.41E-08	1.24E-09	1.92E-08	4.32E-10	2.47E-09	2.95E-10	3.20E-09	3.93E-10	1.29E-09	8.92E-11	1.78E-09
5240	470091.71	3819744.56	4.91E-09	2.06E-08	1.86E-09	2.74E-08	4.09E-09	1.51E-08	1.33E-09	2.06E-08	4.63E-10	2.65E-09	3.16E-10	3.43E-09	4.21E-10	1.39E-09	9.57E-11	1.91E-09
5241	470082.9	3819740.75	4.91E-09	2.06E-08	1.86E-09	2.74E-08	4.09E-09	1.52E-08	1.33E-09	2.06E-08	4.64E-10	2.65E-09	3.17E-10	3.44E-09	4.22E-10	1.39E-09	9.58E-11	1.91E-09
5242	470074.08	3819736.94	4.90E-09	2.06E-08	1.85E-09	2.73E-08	4.08E-09	1.51E-08	1.33E-09	2.05E-08	4.63E-10	2.65E-09	3.16E-10	3.43E-09	4.21E-10	1.39E-09	9.56E-11	1.90E-09
5243	470065.27	3819733.13	4.88E-09	2.05E-08	1.84E-09	2.72E-08	4.06E-09	1.51E-08	1.32E-09	2.04E-08	4.61E-10	2.64E-09	3.15E-10	3.41E-09	4.19E-10	1.38E-09	9.52E-11	1.89E-09
5244	470100.52	3819748.37	4.89E-09	2.05E-08	1.85E-09	2.73E-08	4.07E-09	1.51E-08	1.33E-09	2.05E-08	4.62E-10	2.64E-09	3.15E-10	3.42E-09	4.20E-10	1.38E-09	9.54E-11	1.90E-09
5245	470110.22	3819748.51	4.94E-09	2.08E-08	1.87E-09	2.76E-08	4.12E-09	1.53E-08	1.34E-09	2.07E-08	4.67E-10	2.67E-09	3.19E-10	3.46E-09	4.24E-10	1.40E-09	9.65E-11	1.92E-09
5246	470119.92	3819748.64	4.99E-09	2.09E-08	1.89E-09	2.78E-08	4.15E-09	1.54E-08	1.35E-09	2.09E-08	4.71E-10	2.70E-09	3.22E-10	3.49E-09	4.28E-10	1.41E-09	9.73E-11	1.94E-09

5247	470129.62	3819748.78	5.02E-09	2.11E-08	1.90E-09	2.80E-08	4.18E-09	1.55E-08	1.36E-09	2.10E-08	4.74E-10	2.71E-09	3.24E-10	3.51E-09	4.31E-10	1.42E-09	9.79E-11	1.95E-09
5248	470139.31	3819748.91	5.03E-09	2.11E-08	1.90E-09	2.81E-08	4.19E-09	1.55E-08	1.37E-09	2.11E-08	4.75E-10	2.72E-09	3.25E-10	3.52E-09	4.32E-10	1.42E-09	9.82E-11	1.96E-09
5249	470149.01	3819749.05	5.04E-09	2.11E-08	1.90E-09	2.81E-08	4.19E-09	1.55E-08	1.37E-09	2.11E-08	4.76E-10	2.72E-09	3.25E-10	3.52E-09	4.32E-10	1.43E-09	9.83E-11	1.96E-09
5250	470158.71	3819749.18	5.02E-09	2.11E-08	1.90E-09	2.80E-08	4.18E-09	1.55E-08	1.36E-09	2.11E-08	4.74E-10	2.72E-09	3.24E-10	3.51E-09	4.31E-10	1.42E-09	9.80E-11	1.95E-09
5251	470168.4	3819749.32	5.00E-09	2.10E-08	1.89E-09	2.79E-08	4.16E-09	1.54E-08	1.36E-09	2.09E-08	4.72E-10	2.70E-09	3.22E-10	3.50E-09	4.29E-10	1.41E-09	9.75E-11	1.94E-09
5252	470178.1	3819749.45	4.96E-09	2.08E-08	1.88E-09	2.77E-08	4.13E-09	1.53E-08	1.35E-09	2.08E-08	4.68E-10	2.68E-09	3.20E-10	3.47E-09	4.26E-10	1.40E-09	9.68E-11	1.93E-09
5253	470187.8	3819749.59	4.91E-09	2.06E-08	1.86E-09	2.74E-08	4.09E-09	1.51E-08	1.33E-09	2.06E-08	4.63E-10	2.65E-09	3.17E-10	3.43E-09	4.21E-10	1.39E-09	9.58E-11	1.91E-09
5254	470197.5	3819749.72	4.85E-09	2.03E-08	1.83E-09	2.70E-08	4.04E-09	1.50E-08	1.32E-09	2.03E-08	4.58E-10	2.62E-09	3.13E-10	3.39E-09	4.16E-10	1.37E-09	9.46E-11	1.88E-09
5255	470207.19	3819749.86	4.77E-09	2.00E-08	1.80E-09	2.66E-08	3.98E-09	1.47E-08	1.30E-09	2.00E-08	4.51E-10	2.58E-09	3.08E-10	3.34E-09	4.10E-10	1.35E-09	9.31E-11	1.85E-09
5256	470216.89	3819749.99	4.69E-09	1.97E-08	1.77E-09	2.62E-08	3.91E-09	1.45E-08	1.27E-09	1.97E-08	4.43E-10	2.54E-09	3.02E-10	3.28E-09	4.03E-10	1.33E-09	9.15E-11	1.82E-09
5257	470226.59	3819750.13	4.60E-09	1.93E-08	1.74E-09	2.57E-08	3.83E-09	1.42E-08	1.25E-09	1.93E-08	4.34E-10	2.49E-09	2.97E-10	3.22E-09	3.95E-10	1.30E-09	8.97E-11	1.79E-09
5258	470236.29	3819750.26	4.50E-09	1.89E-08	1.70E-09	2.51E-08	3.75E-09	1.39E-08	1.22E-09	1.89E-08	4.25E-10	2.43E-09	2.90E-10	3.15E-09	3.86E-10	1.27E-09	8.79E-11	1.75E-09
5259	470245.98	3819750.4	4.40E-09	1.85E-08	1.66E-09	2.45E-08	3.67E-09	1.36E-08	1.19E-09	1.84E-08	4.16E-10	2.38E-09	2.84E-10	3.08E-09	3.78E-10	1.25E-09	8.59E-11	1.71E-09
5260	470255.68	3819750.53	4.29E-09	1.80E-08	1.62E-09	2.39E-08	3.58E-09	1.32E-08	1.17E-09	1.80E-08	4.05E-10	2.32E-09	2.77E-10	3.00E-09	3.69E-10	1.22E-09	8.38E-11	1.67E-09
5261	470265.38	3819750.67	4.18E-09	1.76E-08	1.58E-09	2.33E-08	3.48E-09	1.29E-08	1.14E-09	1.75E-08	3.95E-10	2.26E-09	2.70E-10	2.93E-09	3.59E-10	1.18E-09	8.16E-11	1.62E-09
5262	470091.09	3819784.53	4.16E-09	1.75E-08	1.57E-09	2.32E-08	3.47E-09	1.28E-08	1.13E-09	1.74E-08	3.93E-10	2.25E-09	2.68E-10	2.91E-09	3.57E-10	1.18E-09	8.12E-11	1.62E-09
5263	470082.21	3819780.69	4.17E-09	1.75E-08	1.58E-09	2.33E-08	3.47E-09	1.29E-08	1.13E-09	1.75E-08	3.94E-10	2.26E-09	2.69E-10	2.92E-09	3.58E-10	1.18E-09	8.14E-11	1.62E-09
5264	470073.33	3819776.85	4.17E-09	1.75E-08	1.58E-09	2.33E-08	3.47E-09	1.29E-08	1.13E-09	1.75E-08	3.94E-10	2.25E-09	2.69E-10	2.92E-09	3.58E-10	1.18E-09	8.14E-11	1.62E-09
5265	470064.45	3819773.01	4.16E-09	1.75E-08	1.57E-09	2.32E-08	3.47E-09	1.28E-08	1.13E-09	1.74E-08	3.93E-10	2.25E-09	2.68E-10	2.91E-09	3.57E-10	1.18E-09	8.12E-11	1.62E-09
5266	470099.97	3819788.37	4.14E-09	1.74E-08	1.57E-09	2.31E-08	3.45E-09	1.28E-08	1.12E-09	1.74E-08	3.91E-10	2.24E-09	2.67E-10	2.90E-09	3.56E-10	1.17E-09	8.08E-11	1.61E-09
5267	470109.66	3819788.5	4.18E-09	1.75E-08	1.58E-09	2.33E-08	3.48E-09	1.29E-08	1.13E-09	1.75E-08	3.94E-10	2.26E-09	2.69E-10	2.92E-09	3.58E-10	1.18E-09	8.15E-11	1.62E-09
5268	470119.36	3819788.64	4.20E-09	1.76E-08	1.59E-09	2.34E-08	3.50E-09	1.30E-08	1.14E-09	1.76E-08	3.97E-10	2.27E-09	2.71E-10	2.94E-09	3.61E-10	1.19E-09	8.20E-11	1.63E-09
5269	470129.06	3819788.77	4.22E-09	1.77E-08	1.60E-09	2.35E-08	3.51E-09	1.30E-08	1.14E-09	1.77E-08	3.98E-10	2.28E-09	2.72E-10	2.95E-09	3.62E-10	1.19E-09	8.23E-11	1.64E-09
5270	470138.76	3819788.91	4.22E-09	1.77E-08	1.60E-09	2.36E-08	3.52E-09	1.30E-08	1.15E-09	1.77E-08	3.99E-10	2.28E-09	2.72E-10	2.95E-09	3.63E-10	1.20E-09	8.24E-11	1.64E-09
5271	470148.45	3819789.04	4.22E-09	1.77E-08	1.60E-09	2.35E-08	3.51E-09	1.30E-08	1.15E-09	1.77E-08	3.98E-10	2.28E-09	2.72E-10	2.95E-09	3.62E-10	1.19E-09	8.23E-11	1.64E-09
5272	470158.15	3819789.18	4.20E-09	1.77E-08	1.59E-09	2.34E-08	3.50E-09	1.30E-08	1.14E-09	1.76E-08	3.97E-10	2.27E-09	2.71E-10	2.94E-09	3.61E-10	1.19E-09	8.20E-11	1.63E-09
5273	470167.85	3819789.31	4.18E-09	1.76E-08	1.58E-09	2.33E-08	3.48E-09	1.29E-08	1.13E-09	1.75E-08	3.95E-10	2.26E-09	2.70E-10	2.92E-09	3.59E-10	1.18E-09	8.16E-11	1.62E-09
5274	470177.54	3819789.45	4.15E-09	1.74E-08	1.57E-09	2.31E-08	3.45E-09	1.28E-08	1.13E-09	1.74E-08	3.91E-10	2.24E-09	2.67E-10	2.90E-09	3.56E-10	1.17E-09	8.09E-11	1.61E-09
5275	470187.24	3819789.58	4.10E-09	1.72E-08	1.55E-09	2.29E-08	3.42E-09	1.27E-08	1.11E-09	1.72E-08	3.87E-10	2.22E-09	2.65E-10	2.87E-09	3.52E-10	1.16E-09	8.01E-11	1.59E-09
5276	470196.94	3819789.72	4.05E-09	1.70E-08	1.53E-09	2.26E-08	3.38E-09	1.25E-08	1.10E-09	1.70E-08	3.83E-10	2.19E-09	2.61E-10	2.83E-09	3.48E-10	1.15E-09	7.91E-11	1.57E-09
5277	470206.64	3819789.85	4.00E-09	1.68E-08	1.51E-09	2.23E-08	3.33E-09	1.23E-08	1.08E-09	1.67E-08	3.77E-10	2.16E-09	2.58E-10	2.79E-09	3.43E-10	1.13E-09	7.80E-11	1.55E-09
5278	470216.33	3819789.99	3.93E-09	1.65E-08	1.49E-09	2.19E-08	3.27E-09	1.21E-08	1.07E-09	1.65E-08	3.71E-10	2.13E-09	2.54E-10	2.75E-09	3.37E-10	1.11E-09	7.67E-11	1.53E-09
5279	470226.03	3819790.12	3.86E-09	1.62E-08	1.46E-09	2.15E-08	3.22E-09	1.19E-08	1.05E-09	1.62E-08	3.65E-10	2.09E-09	2.49E-10	2.70E-09	3.31E-10	1.09E-09	7.53E-11	1.50E-09
5280	470235.73	3819790.26	3.79E-09	1.59E-08	1.43E-09	2.11E-08	3.15E-09	1.17E-08	1.03E-09	1.59E-08	3.58E-10	2.05E-09	2.44E-10	2.65E-09	3.25E-10	1.07E-09	7.39E-11	1.47E-09
5281	470245.43	3819790.39	3.71E-09	1.56E-08	1.40E-09	2.07E-08	3.09E-09	1.14E-08	1.01E-09	1.55E-08	3.50E-10	2.00E-09	2.39E-10	2.59E-09	3.18E-10	1.05E-09	7.23E-11	1.44E-09
5282	470255.12	3819790.53	3.63E-09	1.52E-08	1.37E-09	2.02E-08	3.02E-09	1.12E-08	9.84E-10	1.52E-08	3.42E-10	1.96E-09	2.34E-10	2.54E-09	3.11E-10	1.03E-09	7.07E-11	1.41E-09
5283	470264.82	3819790.66	3.54E-09	1.49E-08	1.34E-09	1.98E-08	2.95E-09	1.09E-08	9.61E-10	1.48E-08	3.34E-10	1.91E-09	2.28E-10	2.48E-09	3.04E-10	1.00E-09	6.91E-11	1.38E-09
5284	470090.77	3819824.63	3.58E-09	1.50E-08	1.35E-09	2.00E-08	2.98E-09	1.10E-08	9.71E-10	1.50E-08	3.38E-10	1.93E-09	2.31E-10	2.50E-09	3.07E-10	1.01E-09	6.98E-11	1.39E-09
5285	470082.12	3819820.89	3.59E-09	1.51E-08	1.36E-09	2.00E-08	2.99E-09	1.11E-08	9.75E-10	1.50E-08	3.39E-10	1.94E-09	2.32E-10	2.51E-09	3.08E-10	1.02E-09	7.01E-11	1.39E-09
5286	470073.48	3819817.15	3.60E-09	1.51E-08	1.36E-09	2.01E-08	3.00E-09	1.11E-08	9.77E-10	1.51E-08	3.40E-10	1.94E-09	2.32E-10	2.52E-09	3.09E-10	1.02E-09	7.02E-11	1.40E-09
5287	470064.84	3819813.41	3.60E-09	1.51E-08	1.36E-09	2.01E-08	3.00E-09	1.11E-08	9.76E-10	1.51E-08	3.40E-10	1.94E-09	2.32E-10	2.52E-09	3.09E-10	1.02E-09	7.02E-11	1.40E-09
5288	470099.41	3819828.36	3.56E-09	1.49E-08	1.34E-09	1.98E-08	2.96E-09	1.10E-08	9.65E-10	1.49E-08	3.36E-10	1.92E-09	2.29E-10	2.49E-09	3.05E-10	1.01E-09	6.94E-11	1.38E-09
5289	470109.11	3819828.5	3.58E-09	1.50E-08	1.35E-09	1.99E-08	2.98E-09	1.10E-08	9.71E-10	1.50E-08	3.38E-10	1.93E-09	2.31E-10	2.50E-09	3.07E-10	1.01E-09	6.98E-11	1.39E-09
5290	470118.8	3819828.63	3.59E-09	1.51E-08	1.36E-09	2.00E-08	2.99E-09	1.11E-08	9.75E-10	1.50E-08	3.39E-10	1.94E-09	2.32E-10	2.51E-09	3.08E-10	1.02E-09	7.01E-11	1.39E-09
5291	470128.5	3819828.77	3.60E-09	1.51E-08	1.36E-09	2.01E-08	3.00E-09	1.11E-08	9.77E-10	1.51E-08	3.40E-10	1.95E-09	2.32E-10	2.52E-09	3.09E-10	1.02E-09	7.02E-11	1.40E-09
5292	470138.2	3819828.9	3.60E-09	1.51E-08	1.36E-09	2.01E-08	3.00E-09	1.11E-08	9.77E-10	1.51E-08	3.40E-10	1.94E-09	2.32E-10	2.52E-09	3.09E-10	1.02E-09	7.02E-11	1.40E-09
5293	470147.9	3819829.04	3.59E-09	1.51E-08	1.36E-09	2.00E-08	2.99E-09	1.11E-08	9.74E-10	1.50E-08	3.39E-10	1.94E-09	2.32E-10	2.51E-09	3.08E-10	1.02E-09	7.00E-11	1.39E-09
5294	470157.59	3819829.17	3.57E-09	1.50E-08	1.35E-09	1.99E-08	2.98E-09	1.10E-08	9.70E-10	1.50E-08	3.37E-10	1.93E-09	2.31E-10	2.50E-09	3.07E-10	1.01E-09	6.97E-11	1.39E-09
5295	470167.29	3819829.31	3.55E-09	1.49E-08	1.34E-09	1.98E-08	2.96E-09	1.10E-08	9.64E-10	1.49E-08	3.35E-10	1.92E-09	2.29E-10	2.48E-09	3.05E-10	1.01E-09	6.93E-11	1.38E-09
5296	470176.99	3819829.44	3.52E-09	1.48E-08	1.33E-09	1.96E-08	2.93E-09	1.09E-08	9.56E-10	1.48E-08	3.33E-10	1.90E-09	2.27E-10	2.46E-09	3.02E-10	9.97E-10	6.87E-11	1.37E-09

5297	470186.69	3819829.58	3.49E-09	1.46E-08	1.32E-09	1.94E-08	2.90E-09	1.08E-08	9.46E-10	1.46E-08	3.29E-10	1.88E-09	2.25E-10	2.44E-09	2.99E-10	9.87E-10	6.80E-11	1.35E-09
5298	470196.38	3819829.71	3.44E-09	1.45E-08	1.30E-09	1.92E-08	2.87E-09	1.06E-08	9.35E-10	1.44E-08	3.25E-10	1.86E-09	2.22E-10	2.41E-09	2.96E-10	9.75E-10	6.72E-11	1.34E-09
5299	470206.08	3819829.85	3.40E-09	1.43E-08	1.29E-09	1.90E-08	2.83E-09	1.05E-08	9.22E-10	1.42E-08	3.21E-10	1.84E-09	2.19E-10	2.38E-09	2.92E-10	9.62E-10	6.63E-11	1.32E-09
5300	470215.78	3819829.98	3.35E-09	1.41E-08	1.27E-09	1.87E-08	2.79E-09	1.03E-08	9.08E-10	1.40E-08	3.16E-10	1.81E-09	2.16E-10	2.34E-09	2.87E-10	9.47E-10	6.53E-11	1.30E-09
5301	470225.47	3819830.12	3.29E-09	1.38E-08	1.24E-09	1.84E-08	2.74E-09	1.02E-08	8.93E-10	1.38E-08	3.11E-10	1.78E-09	2.12E-10	2.30E-09	2.83E-10	9.32E-10	6.42E-11	1.28E-09
5302	470235.17	3819830.25	3.23E-09	1.36E-08	1.22E-09	1.80E-08	2.69E-09	9.98E-09	8.78E-10	1.35E-08	3.05E-10	1.75E-09	2.09E-10	2.26E-09	2.78E-10	9.15E-10	6.31E-11	1.26E-09
5303	470244.87	3819830.39	3.17E-09	1.33E-08	1.20E-09	1.77E-08	2.64E-09	9.79E-09	8.61E-10	1.33E-08	2.99E-10	1.71E-09	2.05E-10	2.22E-09	2.72E-10	8.98E-10	6.19E-11	1.23E-09
5304	470254.57	3819830.52	3.11E-09	1.31E-08	1.18E-09	1.73E-08	2.59E-09	9.59E-09	8.44E-10	1.30E-08	2.93E-10	1.68E-09	2.00E-10	2.17E-09	2.67E-10	8.80E-10	6.06E-11	1.21E-09
5305	470264.26	3819830.66	3.04E-09	1.28E-08	1.15E-09	1.70E-08	2.53E-09	9.39E-09	8.26E-10	1.27E-08	2.87E-10	1.64E-09	1.96E-10	2.13E-09	2.61E-10	8.61E-10	5.94E-11	1.18E-09
5306	470090.14	3819864.59	3.11E-09	1.30E-08	1.18E-09	1.73E-08	2.59E-09	9.59E-09	8.43E-10	1.30E-08	2.93E-10	1.68E-09	2.00E-10	2.17E-09	2.67E-10	8.80E-10	6.06E-11	1.21E-09
5307	470081.43	3819860.83	3.12E-09	1.31E-08	1.18E-09	1.74E-08	2.60E-09	9.64E-09	8.48E-10	1.31E-08	2.95E-10	1.69E-09	2.01E-10	2.18E-09	2.68E-10	8.84E-10	6.09E-11	1.21E-09
5308	470072.72	3819857.06	3.13E-09	1.32E-08	1.19E-09	1.75E-08	2.61E-09	9.67E-09	8.51E-10	1.31E-08	2.96E-10	1.69E-09	2.02E-10	2.19E-09	2.69E-10	8.87E-10	6.11E-11	1.22E-09
5309	470064.01	3819853.29	3.14E-09	1.32E-08	1.19E-09	1.75E-08	2.61E-09	9.68E-09	8.52E-10	1.31E-08	2.96E-10	1.70E-09	2.02E-10	2.19E-09	2.69E-10	8.88E-10	6.12E-11	1.22E-09
5310	470098.85	3819868.36	3.09E-09	1.30E-08	1.17E-09	1.72E-08	2.57E-09	9.52E-09	8.38E-10	1.29E-08	2.91E-10	1.67E-09	1.99E-10	2.16E-09	2.65E-10	8.73E-10	6.02E-11	1.20E-09
5311	470108.55	3819868.49	3.10E-09	1.30E-08	1.17E-09	1.73E-08	2.58E-09	9.56E-09	8.41E-10	1.30E-08	2.93E-10	1.68E-09	2.00E-10	2.17E-09	2.66E-10	8.77E-10	6.05E-11	1.20E-09
5312	470118.25	3819868.63	3.11E-09	1.30E-08	1.17E-09	1.73E-08	2.59E-09	9.59E-09	8.43E-10	1.30E-08	2.93E-10	1.68E-09	2.00E-10	2.17E-09	2.67E-10	8.79E-10	6.06E-11	1.21E-09
5313	470127.95	3819868.76	3.11E-09	1.31E-08	1.18E-09	1.73E-08	2.59E-09	9.59E-09	8.44E-10	1.30E-08	2.94E-10	1.68E-09	2.00E-10	2.17E-09	2.67E-10	8.80E-10	6.07E-11	1.21E-09
5314	470137.64	3819868.9	3.10E-09	1.30E-08	1.17E-09	1.73E-08	2.59E-09	9.58E-09	8.43E-10	1.30E-08	2.93E-10	1.68E-09	2.00E-10	2.17E-09	2.66E-10	8.79E-10	6.06E-11	1.21E-09
5315	470147.34	3819869.03	3.09E-09	1.30E-08	1.17E-09	1.73E-08	2.58E-09	9.55E-09	8.40E-10	1.30E-08	2.92E-10	1.67E-09	2.00E-10	2.16E-09	2.66E-10	8.76E-10	6.04E-11	1.20E-09
5316	470157.04	3819869.17	3.08E-09	1.29E-08	1.16E-09	1.72E-08	2.56E-09	9.50E-09	8.36E-10	1.29E-08	2.91E-10	1.66E-09	1.99E-10	2.15E-09	2.64E-10	8.71E-10	6.01E-11	1.20E-09
5317	470166.73	3819869.3	3.06E-09	1.28E-08	1.16E-09	1.71E-08	2.55E-09	9.44E-09	8.30E-10	1.28E-08	2.89E-10	1.65E-09	1.97E-10	2.14E-09	2.63E-10	8.66E-10	5.97E-11	1.19E-09
5318	470176.43	3819869.44	3.03E-09	1.27E-08	1.15E-09	1.69E-08	2.53E-09	9.36E-09	8.23E-10	1.27E-08	2.86E-10	1.64E-09	1.96E-10	2.12E-09	2.60E-10	8.58E-10	5.92E-11	1.18E-09
5319	470186.13	3819869.57	3.00E-09	1.26E-08	1.14E-09	1.67E-08	2.50E-09	9.26E-09	8.15E-10	1.26E-08	2.83E-10	1.62E-09	1.94E-10	2.10E-09	2.58E-10	8.50E-10	5.86E-11	1.17E-09
5320	470195.83	3819869.71	2.97E-09	1.25E-08	1.12E-09	1.66E-08	2.47E-09	9.16E-09	8.06E-10	1.24E-08	2.80E-10	1.60E-09	1.91E-10	2.08E-09	2.55E-10	8.40E-10	5.79E-11	1.15E-09
5321	470205.52	3819869.84	2.93E-09	1.23E-08	1.11E-09	1.63E-08	2.44E-09	9.04E-09	7.95E-10	1.23E-08	2.77E-10	1.58E-09	1.89E-10	2.05E-09	2.51E-10	8.29E-10	5.71E-11	1.14E-09
5322	470215.22	3819869.98	2.89E-09	1.21E-08	1.09E-09	1.61E-08	2.40E-09	8.90E-09	7.83E-10	1.21E-08	2.72E-10	1.56E-09	1.86E-10	2.02E-09	2.48E-10	8.17E-10	5.63E-11	1.12E-09
5323	470224.92	3819870.11	2.84E-09	1.19E-08	1.07E-09	1.58E-08	2.36E-09	8.76E-09	7.71E-10	1.19E-08	2.68E-10	1.53E-09	1.83E-10	1.99E-09	2.44E-10	8.04E-10	5.54E-11	1.10E-09
5324	470234.61	3819870.25	2.79E-09	1.17E-08	1.06E-09	1.56E-08	2.33E-09	8.61E-09	7.58E-10	1.17E-08	2.64E-10	1.51E-09	1.80E-10	1.95E-09	2.40E-10	7.90E-10	5.45E-11	1.08E-09
5325	470244.31	3819870.38	2.74E-09	1.15E-08	1.04E-09	1.53E-08	2.28E-09	8.46E-09	7.44E-10	1.15E-08	2.59E-10	1.48E-09	1.77E-10	1.92E-09	2.35E-10	7.76E-10	5.35E-11	1.07E-09
5326	470254.01	3819870.52	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.31E-09	7.31E-10	1.13E-08	2.54E-10	1.46E-09	1.74E-10	1.88E-09	2.31E-10	7.62E-10	5.25E-11	1.05E-09
5327	470263.71	3819870.65	2.64E-09	1.11E-08	9.99E-10	1.47E-08	2.20E-09	8.15E-09	7.17E-10	1.11E-08	2.49E-10	1.43E-09	1.70E-10	1.85E-09	2.27E-10	7.48E-10	5.15E-11	1.03E-09
5328	470089.53	3819904.56	2.72E-09	1.14E-08	1.03E-09	1.52E-08	2.27E-09	8.41E-09	7.40E-10	1.14E-08	2.57E-10	1.47E-09	1.76E-10	1.91E-09	2.34E-10	7.71E-10	5.32E-11	1.06E-09
5329	470080.76	3819900.77	2.74E-09	1.15E-08	1.04E-09	1.53E-08	2.28E-09	8.46E-09	7.44E-10	1.15E-08	2.59E-10	1.48E-09	1.77E-10	1.92E-09	2.35E-10	7.76E-10	5.35E-11	1.06E-09
5330	470072	3819896.98	2.75E-09	1.16E-08	1.04E-09	1.53E-08	2.29E-09	8.49E-09	7.47E-10	1.15E-08	2.60E-10	1.49E-09	1.77E-10	1.92E-09	2.36E-10	7.79E-10	5.37E-11	1.07E-09
5331	470063.23	3819893.19	2.76E-09	1.16E-08	1.04E-09	1.54E-08	2.30E-09	8.51E-09	7.49E-10	1.16E-08	2.60E-10	1.49E-09	1.78E-10	1.93E-09	2.37E-10	7.81E-10	5.38E-11	1.07E-09
5332	470098.3	3819908.36	2.70E-09	1.14E-08	1.02E-09	1.51E-08	2.25E-09	8.35E-09	7.34E-10	1.13E-08	2.55E-10	1.46E-09	1.74E-10	1.89E-09	2.32E-10	7.66E-10	5.28E-11	1.05E-09
5333	470107.99	3819908.49	2.71E-09	1.14E-08	1.03E-09	1.51E-08	2.26E-09	8.37E-09	7.36E-10	1.14E-08	2.56E-10	1.47E-09	1.75E-10	1.90E-09	2.33E-10	7.68E-10	5.29E-11	1.05E-09
5334	470117.69	3819908.63	2.72E-09	1.14E-08	1.03E-09	1.51E-08	2.26E-09	8.38E-09	7.37E-10	1.14E-08	2.56E-10	1.47E-09	1.75E-10	1.90E-09	2.33E-10	7.69E-10	5.30E-11	1.05E-09
5335	470127.39	3819908.76	2.71E-09	1.14E-08	1.03E-09	1.51E-08	2.26E-09	8.38E-09	7.37E-10	1.14E-08	2.56E-10	1.47E-09	1.75E-10	1.90E-09	2.33E-10	7.68E-10	5.30E-11	1.05E-09
5336	470137.09	3819908.9	2.71E-09	1.14E-08	1.02E-09	1.51E-08	2.26E-09	8.36E-09	7.35E-10	1.13E-08	2.56E-10	1.46E-09	1.75E-10	1.89E-09	2.32E-10	7.67E-10	5.28E-11	1.05E-09
5337	470146.78	3819909.03	2.70E-09	1.13E-08	1.02E-09	1.50E-08	2.25E-09	8.32E-09	7.32E-10	1.13E-08	2.55E-10	1.46E-09	1.74E-10	1.89E-09	2.32E-10	7.64E-10	5.26E-11	1.05E-09
5338	470156.48	3819909.17	2.68E-09	1.13E-08	1.01E-09	1.50E-08	2.23E-09	8.28E-09	7.28E-10	1.12E-08	2.53E-10	1.45E-09	1.73E-10	1.88E-09	2.30E-10	7.59E-10	5.23E-11	1.04E-09
5339	470166.18	3819909.3	2.66E-09	1.12E-08	1.01E-09	1.49E-08	2.22E-09	8.22E-09	7.23E-10	1.12E-08	2.52E-10	1.44E-09	1.72E-10	1.86E-09	2.29E-10	7.54E-10	5.20E-11	1.03E-09
5340	470175.87	3819909.44	2.64E-09	1.11E-08	9.99E-10	1.47E-08	2.20E-09	8.15E-09	7.17E-10	1.11E-08	2.49E-10	1.43E-09	1.70E-10	1.85E-09	2.27E-10	7.48E-10	5.15E-11	1.03E-09
5341	470185.57	3819909.57	2.61E-09	1.10E-08	9.89E-10	1.46E-08	2.18E-09	8.07E-09	7.10E-10	1.10E-08	2.47E-10	1.41E-09	1.69E-10	1.83E-09	2.24E-10	7.40E-10	5.10E-11	1.02E-09
5342	470195.27	3819909.71	2.59E-09	1.09E-08	9.78E-10	1.44E-08	2.15E-09	7.98E-09	7.02E-10	1.08E-08	2.44E-10	1.40E-09	1.67E-10	1.81E-09	2.22E-10	7.32E-10	5.04E-11	1.00E-09
5343	470204.97	3819909.84	2.55E-09	1.07E-08	9.65E-10	1.42E-08	2.13E-09	7.88E-09	6.93E-10	1.07E-08	2.41E-10	1.38E-09	1.65E-10	1.79E-09	2.19E-10	7.23E-10	4.98E-11	9.92E-10
5344	470214.66	3819909.98	2.52E-09	1.06E-08	9.52E-10	1.40E-08	2.10E-09	7.77E-09	6.83E-10	1.05E-08	2.38E-10	1.36E-09	1.62E-10	1.76E-09	2.16E-10	7.13E-10	4.91E-11	9.78E-10
5345	470224.36	3819910.11	2.48E-09	1.04E-08	9.38E-10	1.38E-08	2.07E-09	7.65E-09	6.73E-10	1.04E-08	2.34E-10	1.34E-09	1.60E-10	1.73E-09	2.13E-10	7.02E-10	4.84E-11	9.63E-10
5346	470234.06	3819910.25	2.44E-09	1.02E-08	9.23E-10	1.36E-08	2.03E-09	7.53E-09	6.62E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.71E-09	2.10E-10	6.91E-10	4.76E-11	9.48E-10

5347	470243.76	3819910.38	2.40E-09	1.01E-08	9.08E-10	1.34E-08	2.00E-09	7.41E-09	6.52E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.68E-09	2.06E-10	6.80E-10	4.68E-11	9.33E-10
5348	470253.45	3819910.52	2.36E-09	9.91E-09	8.93E-10	1.32E-08	1.97E-09	7.28E-09	6.41E-10	9.89E-09	2.23E-10	1.28E-09	1.52E-10	1.65E-09	2.03E-10	6.68E-10	4.61E-11	9.17E-10
5349	470263.15	3819910.65	2.32E-09	9.74E-09	8.77E-10	1.29E-08	1.93E-09	7.15E-09	6.29E-10	9.71E-09	2.19E-10	1.25E-09	1.50E-10	1.62E-09	1.99E-10	6.56E-10	4.52E-11	9.01E-10
5350	470088.93	3819944.54	2.41E-09	1.01E-08	9.12E-10	1.34E-08	2.01E-09	7.44E-09	6.55E-10	1.01E-08	2.28E-10	1.30E-09	1.56E-10	1.69E-09	2.07E-10	6.83E-10	4.70E-11	9.37E-10
5351	470080.11	3819940.73	2.43E-09	1.02E-08	9.18E-10	1.35E-08	2.02E-09	7.49E-09	6.59E-10	1.02E-08	2.29E-10	1.31E-09	1.57E-10	1.70E-09	2.08E-10	6.87E-10	4.74E-11	9.43E-10
5352	470071.3	3819936.92	2.44E-09	1.02E-08	9.22E-10	1.36E-08	2.03E-09	7.53E-09	6.62E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.71E-09	2.09E-10	6.90E-10	4.76E-11	9.47E-10
5353	470062.49	3819933.11	2.45E-09	1.03E-08	9.25E-10	1.36E-08	2.04E-09	7.55E-09	6.64E-10	1.03E-08	2.31E-10	1.32E-09	1.58E-10	1.71E-09	2.10E-10	6.93E-10	4.77E-11	9.50E-10
5354	469608.31	3819447.33	4.00E-10	1.68E-09	1.51E-10	2.23E-09	3.33E-10	1.23E-09	1.08E-10	1.67E-09	3.77E-11	2.16E-10	2.58E-11	2.80E-10	3.43E-11	1.13E-10	7.80E-12	1.55E-10
5355	470097.74	3819948.35	2.39E-09	1.00E-08	9.05E-10	1.33E-08	1.99E-09	7.38E-09	6.49E-10	1.00E-08	2.26E-10	1.29E-09	1.54E-10	1.67E-09	2.05E-10	6.77E-10	4.67E-11	9.29E-10
5356	470107.44	3819948.49	2.40E-09	1.01E-08	9.06E-10	1.34E-08	2.00E-09	7.39E-09	6.50E-10	1.00E-08	2.26E-10	1.30E-09	1.55E-10	1.68E-09	2.06E-10	6.78E-10	4.67E-11	9.30E-10
5357	470117.13	3819948.62	2.40E-09	1.01E-08	9.06E-10	1.34E-08	2.00E-09	7.39E-09	6.50E-10	1.00E-08	2.26E-10	1.30E-09	1.55E-10	1.68E-09	2.06E-10	6.78E-10	4.67E-11	9.31E-10
5358	470126.83	3819948.76	2.39E-09	1.00E-08	9.05E-10	1.33E-08	1.99E-09	7.38E-09	6.49E-10	1.00E-08	2.26E-10	1.29E-09	1.54E-10	1.67E-09	2.05E-10	6.77E-10	4.67E-11	9.29E-10
5359	470136.53	3819948.89	2.39E-09	1.00E-08	9.02E-10	1.33E-08	1.99E-09	7.36E-09	6.47E-10	9.99E-09	2.25E-10	1.29E-09	1.54E-10	1.67E-09	2.05E-10	6.75E-10	4.65E-11	9.26E-10
5360	470146.23	3819949.03	2.37E-09	9.97E-09	8.98E-10	1.32E-08	1.98E-09	7.33E-09	6.45E-10	9.95E-09	2.24E-10	1.28E-09	1.53E-10	1.66E-09	2.04E-10	6.72E-10	4.63E-11	9.22E-10
5361	470155.92	3819949.16	2.36E-09	9.91E-09	8.93E-10	1.32E-08	1.97E-09	7.28E-09	6.41E-10	9.89E-09	2.23E-10	1.28E-09	1.52E-10	1.65E-09	2.03E-10	6.68E-10	4.61E-11	9.17E-10
5362	470165.62	3819949.3	2.34E-09	9.84E-09	8.86E-10	1.31E-08	1.95E-09	7.23E-09	6.36E-10	9.82E-09	2.21E-10	1.27E-09	1.51E-10	1.64E-09	2.01E-10	6.63E-10	4.57E-11	9.10E-10
5363	470175.32	3819949.43	2.32E-09	9.75E-09	8.78E-10	1.30E-08	1.93E-09	7.17E-09	6.31E-10	9.73E-09	2.19E-10	1.26E-09	1.50E-10	1.62E-09	1.99E-10	6.57E-10	4.53E-11	9.02E-10
5364	470185.01	3819949.57	2.30E-09	9.66E-09	8.70E-10	1.28E-08	1.92E-09	7.10E-09	6.24E-10	9.64E-09	2.17E-10	1.24E-09	1.48E-10	1.61E-09	1.97E-10	6.51E-10	4.49E-11	8.93E-10
5365	470194.71	3819949.7	2.28E-09	9.55E-09	8.60E-10	1.27E-08	1.89E-09	7.02E-09	6.18E-10	9.53E-09	2.15E-10	1.23E-09	1.47E-10	1.59E-09	1.95E-10	6.44E-10	4.44E-11	8.84E-10
5366	470204.41	3819949.84	2.25E-09	9.44E-09	8.50E-10	1.25E-08	1.87E-09	6.94E-09	6.10E-10	9.42E-09	2.12E-10	1.22E-09	1.45E-10	1.57E-09	1.93E-10	6.36E-10	4.39E-11	8.73E-10
5367	470214.11	3819949.97	2.22E-09	9.32E-09	8.39E-10	1.24E-08	1.85E-09	6.85E-09	6.02E-10	9.30E-09	2.10E-10	1.20E-09	1.43E-10	1.55E-09	1.90E-10	6.28E-10	4.33E-11	8.62E-10
5368	470223.8	3819950.11	2.19E-09	9.19E-09	8.28E-10	1.22E-08	1.82E-09	6.75E-09	5.94E-10	9.17E-09	2.07E-10	1.18E-09	1.41E-10	1.53E-09	1.88E-10	6.19E-10	4.27E-11	8.50E-10
5369	470233.5	3819950.24	2.16E-09	9.06E-09	8.16E-10	1.20E-08	1.80E-09	6.65E-09	5.85E-10	9.04E-09	2.04E-10	1.17E-09	1.39E-10	1.51E-09	1.85E-10	6.10E-10	4.21E-11	8.38E-10
5370	470243.2	3819950.38	2.12E-09	8.91E-09	8.03E-10	1.18E-08	1.77E-09	6.55E-09	5.76E-10	8.89E-09	2.00E-10	1.15E-09	1.37E-10	1.48E-09	1.82E-10	6.01E-10	4.14E-11	8.25E-10
5371	470252.9	3819950.51	2.09E-09	8.77E-09	7.90E-10	1.16E-08	1.74E-09	6.44E-09	5.67E-10	8.75E-09	1.97E-10	1.13E-09	1.35E-10	1.46E-09	1.79E-10	5.91E-10	4.07E-11	8.11E-10
5372	470262.59	3819950.65	2.05E-09	8.62E-09	7.76E-10	1.15E-08	1.71E-09	6.34E-09	5.57E-10	8.60E-09	1.94E-10	1.11E-09	1.32E-10	1.44E-09	1.76E-10	5.81E-10	4.01E-11	7.97E-10
5373	470088.33	3819984.52	2.15E-09	9.02E-09	8.12E-10	1.20E-08	1.79E-09	6.63E-09	5.83E-10	9.00E-09	2.03E-10	1.16E-09	1.39E-10	1.50E-09	1.84E-10	6.08E-10	4.19E-11	8.34E-10
5374	470079.47	3819980.69	2.16E-09	9.08E-09	8.18E-10	1.21E-08	1.80E-09	6.67E-09	5.87E-10	9.06E-09	2.04E-10	1.17E-09	1.39E-10	1.51E-09	1.86E-10	6.12E-10	4.22E-11	8.40E-10
5375	470070.62	3819976.86	2.18E-09	9.14E-09	8.23E-10	1.21E-08	1.81E-09	6.71E-09	5.91E-10	9.12E-09	2.05E-10	1.18E-09	1.40E-10	1.52E-09	1.87E-10	6.16E-10	4.24E-11	8.45E-10
5376	470061.76	3819973.03	2.19E-09	9.18E-09	8.27E-10	1.22E-08	1.82E-09	6.74E-09	5.93E-10	9.16E-09	2.06E-10	1.18E-09	1.41E-10	1.53E-09	1.88E-10	6.19E-10	4.26E-11	8.49E-10
5377	469607.12	3819545.34	5.57E-10	2.34E-09	2.11E-10	3.11E-09	4.64E-10	1.72E-09	1.51E-10	2.34E-09	5.26E-11	3.01E-10	3.60E-11	3.90E-10	4.79E-11	1.58E-10	1.09E-11	2.17E-10
5378	469603.6	3819536.36	5.32E-10	2.23E-09	2.01E-10	2.97E-09	4.43E-10	1.64E-09	1.44E-10	2.23E-09	5.02E-11	2.88E-10	3.43E-11	3.72E-10	4.57E-11	1.51E-10	1.04E-11	2.07E-10
5379	469600.07	3819527.38	5.07E-10	2.13E-09	1.92E-10	2.83E-09	4.23E-10	1.57E-09	1.38E-10	2.13E-09	4.79E-11	2.74E-10	3.27E-11	3.55E-10	4.36E-11	1.44E-10	9.90E-12	1.97E-10
5380	469596.54	3819518.4	4.84E-10	2.03E-09	1.83E-10	2.70E-09	4.03E-10	1.49E-09	1.31E-10	2.03E-09	4.57E-11	2.62E-10	3.12E-11	3.39E-10	4.16E-11	1.37E-10	9.45E-12	1.88E-10
5381	469593.02	3819509.42	4.62E-10	1.94E-09	1.75E-10	2.58E-09	3.85E-10	1.43E-09	1.25E-10	1.94E-09	4.36E-11	2.50E-10	2.98E-11	3.23E-10	3.97E-11	1.31E-10	9.02E-12	1.80E-10
5382	469589.49	3819500.45	4.41E-10	1.85E-09	1.67E-10	2.46E-09	3.67E-10	1.36E-09	1.20E-10	1.85E-09	4.17E-11	2.38E-10	2.85E-11	3.09E-10	3.79E-11	1.25E-10	8.61E-12	1.71E-10
5383	469585.97	3819491.47	4.21E-10	1.77E-09	1.59E-10	2.35E-09	3.51E-10	1.30E-09	1.14E-10	1.76E-09	3.98E-11	2.28E-10	2.72E-11	2.95E-10	3.61E-11	1.19E-10	8.21E-12	1.64E-10
5384	469582.44	3819482.49	4.02E-10	1.69E-09	1.52E-10	2.24E-09	3.35E-10	1.24E-09	1.09E-10	1.68E-09	3.79E-11	2.17E-10	2.59E-11	2.81E-10	3.45E-11	1.14E-10	7.84E-12	1.56E-10
5385	469578.91	3819473.51	3.84E-10	1.61E-09	1.45E-10	2.14E-09	3.20E-10	1.18E-09	1.04E-10	1.61E-09	3.62E-11	2.07E-10	2.47E-11	2.68E-10	3.29E-11	1.09E-10	7.49E-12	1.49E-10
5386	469575.39	3819464.53	3.66E-10	1.54E-09	1.39E-10	2.04E-09	3.05E-10	1.13E-09	9.95E-11	1.54E-09	3.46E-11	1.98E-10	2.36E-11	2.56E-10	3.15E-11	1.04E-10	7.15E-12	1.42E-10
5387	469571.86	3819455.55	3.50E-10	1.47E-09	1.32E-10	1.95E-09	2.92E-10	1.08E-09	9.50E-11	1.47E-09	3.31E-11	1.89E-10	2.26E-11	2.45E-10	3.01E-11	9.91E-11	6.83E-12	1.36E-10
5388	469568.33	3819446.57	3.35E-10	1.41E-09	1.27E-10	1.87E-09	2.79E-10	1.03E-09	9.09E-11	1.40E-09	3.16E-11	1.81E-10	2.16E-11	2.34E-10	2.87E-11	9.47E-11	6.53E-12	1.30E-10
5389	470097.18	3819988.35	2.13E-09	8.94E-09	8.05E-10	1.19E-08	1.77E-09	6.57E-09	5.78E-10	8.92E-09	2.01E-10	1.15E-09	1.37E-10	1.49E-09	1.83E-10	6.03E-10	4.15E-11	8.27E-10
5390	470106.88	3819988.48	2.13E-09	8.95E-09	8.06E-10	1.19E-08	1.77E-09	6.57E-09	5.78E-10	8.93E-09	2.01E-10	1.15E-09	1.37E-10	1.49E-09	1.83E-10	6.03E-10	4.16E-11	8.27E-10
5391	470116.58	3819988.62	2.13E-09	8.94E-09	8.05E-10	1.19E-08	1.77E-09	6.57E-09	5.78E-10	8.92E-09	2.01E-10	1.15E-09	1.37E-10	1.49E-09	1.83E-10	6.02E-10	4.15E-11	8.27E-10
5392	470126.27	3819988.75	2.12E-09	8.92E-09	8.03E-10	1.18E-08	1.77E-09	6.55E-09	5.77E-10	8.90E-09	2.01E-10	1.15E-09	1.37E-10	1.49E-09	1.82E-10	6.01E-10	4.14E-11	8.25E-10
5393	470135.97	3819988.89	2.12E-09	8.89E-09	8.01E-10	1.18E-08	1.76E-09	6.53E-09	5.75E-10	8.87E-09	2.00E-10	1.14E-09	1.37E-10	1.48E-09	1.82E-10	5.99E-10	4.13E-11	8.22E-10
5394	470145.67	3819989.02	2.11E-09	8.85E-09	7.97E-10	1.17E-08	1.75E-09	6.50E-09	5.72E-10	8.83E-09	1.99E-10	1.14E-09	1.36E-10	1.47E-09	1.81E-10	5.96E-10	4.11E-11	8.18E-10
5395	470155.37	3819989.16	2.09E-09	8.79E-09	7.92E-10	1.17E-08	1.74E-09	6.46E-09	5.68E-10	8.77E-09	1.98E-10	1.13E-09	1.35E-10	1.46E-09	1.80E-10	5.92E-10	4.08E-11	8.13E-10
5396	470165.06	3819989.29	2.08E-09	8.72E-09	7.86E-10	1.16E-08	1.73E-09	6.41E-09	5.64E-10	8.70E-09	1.96E-10	1.12E-09	1.34E-10	1.45E-09	1.78E-10	5.88E-10	4.05E-11	8.07E-10

5397	470174.76	3819989.43	2.06E-09	8.65E-09	7.79E-10	1.15E-08	1.72E-09	6.35E-09	5.59E-10	8.63E-09	1.94E-10	1.11E-09	1.33E-10	1.44E-09	1.77E-10	5.83E-10	4.02E-11	8.00E-10
5398	470184.46	3819989.56	2.04E-09	8.56E-09	7.71E-10	1.14E-08	1.70E-09	6.29E-09	5.54E-10	8.55E-09	1.93E-10	1.10E-09	1.32E-10	1.43E-09	1.75E-10	5.77E-10	3.98E-11	7.92E-10
5399	470194.16	3819989.7	2.02E-09	8.47E-09	7.63E-10	1.13E-08	1.68E-09	6.23E-09	5.48E-10	8.45E-09	1.91E-10	1.09E-09	1.30E-10	1.41E-09	1.73E-10	5.71E-10	3.94E-11	7.84E-10
5400	470203.85	3819989.83	1.99E-09	8.38E-09	7.54E-10	1.11E-08	1.66E-09	6.15E-09	5.41E-10	8.36E-09	1.88E-10	1.08E-09	1.29E-10	1.40E-09	1.71E-10	5.65E-10	3.89E-11	7.75E-10
5401	470213.55	3819989.97	1.97E-09	8.27E-09	7.45E-10	1.10E-08	1.64E-09	6.08E-09	5.35E-10	8.25E-09	1.86E-10	1.06E-09	1.27E-10	1.38E-09	1.69E-10	5.58E-10	3.84E-11	7.65E-10
5402	470223.25	3819990.1	1.94E-09	8.16E-09	7.35E-10	1.08E-08	1.62E-09	6.00E-09	5.28E-10	8.15E-09	1.84E-10	1.05E-09	1.25E-10	1.36E-09	1.67E-10	5.50E-10	3.79E-11	7.55E-10
5403	470232.94	3819990.24	1.92E-09	8.05E-09	7.25E-10	1.07E-08	1.60E-09	5.92E-09	5.20E-10	8.03E-09	1.81E-10	1.04E-09	1.24E-10	1.34E-09	1.65E-10	5.43E-10	3.74E-11	7.45E-10
5404	470242.64	3819990.37	1.89E-09	7.93E-09	7.14E-10	1.05E-08	1.57E-09	5.83E-09	5.13E-10	7.92E-09	1.78E-10	1.02E-09	1.22E-10	1.32E-09	1.62E-10	5.35E-10	3.69E-11	7.34E-10
5405	470252.34	3819990.51	1.86E-09	7.81E-09	7.04E-10	1.04E-08	1.55E-09	5.74E-09	5.05E-10	7.80E-09	1.76E-10	1.01E-09	1.20E-10	1.30E-09	1.60E-10	5.27E-10	3.63E-11	7.23E-10
5406	470262.04	3819990.64	1.83E-09	7.69E-09	6.93E-10	1.02E-08	1.53E-09	5.65E-09	4.97E-10	7.68E-09	1.73E-10	9.90E-10	1.18E-10	1.28E-09	1.57E-10	5.18E-10	3.57E-11	7.11E-10
5407	470069.96	3820016.81	1.96E-09	8.22E-09	7.40E-10	1.09E-08	1.63E-09	6.04E-09	5.31E-10	8.20E-09	1.85E-10	1.06E-09	1.26E-10	1.37E-09	1.68E-10	5.54E-10	3.82E-11	7.60E-10
5408	470061.07	3820012.97	1.97E-09	8.26E-09	7.44E-10	1.10E-08	1.64E-09	6.07E-09	5.34E-10	8.24E-09	1.86E-10	1.06E-09	1.27E-10	1.38E-09	1.69E-10	5.57E-10	3.84E-11	7.64E-10
5409	469595.63	3819617.1	6.48E-10	2.72E-09	2.45E-10	3.61E-09	5.39E-10	2.00E-09	1.76E-10	2.71E-09	6.12E-11	3.50E-10	4.18E-11	4.53E-10	5.56E-11	1.83E-10	1.26E-11	2.52E-10
5410	469592.09	3819608.08	6.22E-10	2.61E-09	2.35E-10	3.47E-09	5.18E-10	1.92E-09	1.69E-10	2.61E-09	5.87E-11	3.36E-10	4.01E-11	4.35E-10	5.34E-11	1.76E-10	1.21E-11	2.42E-10
5411	469588.54	3819599.07	5.97E-10	2.51E-09	2.26E-10	3.33E-09	4.97E-10	1.84E-09	1.62E-10	2.50E-09	5.64E-11	3.23E-10	3.85E-11	4.18E-10	5.13E-11	1.69E-10	1.16E-11	2.32E-10
5412	469585	3819590.05	5.73E-10	2.41E-09	2.17E-10	3.19E-09	4.77E-10	1.77E-09	1.55E-10	2.40E-09	5.41E-11	3.10E-10	3.69E-11	4.01E-10	4.92E-11	1.62E-10	1.12E-11	2.22E-10
5413	469581.46	3819581.04	5.49E-10	2.31E-09	2.08E-10	3.06E-09	4.58E-10	1.70E-09	1.49E-10	2.30E-09	5.19E-11	2.97E-10	3.54E-11	3.84E-10	4.72E-11	1.55E-10	1.07E-11	2.13E-10
5414	469577.92	3819572.02	5.27E-10	2.21E-09	1.99E-10	2.94E-09	4.39E-10	1.63E-09	1.43E-10	2.21E-09	4.97E-11	2.85E-10	3.40E-11	3.68E-10	4.52E-11	1.49E-10	1.03E-11	2.05E-10
5415	469574.38	3819563.01	5.04E-10	2.12E-09	1.91E-10	2.81E-09	4.20E-10	1.56E-09	1.37E-10	2.11E-09	4.76E-11	2.73E-10	3.25E-11	3.53E-10	4.33E-11	1.43E-10	9.84E-12	1.96E-10
5416	469570.84	3819553.99	4.83E-10	2.03E-09	1.83E-10	2.69E-09	4.02E-10	1.49E-09	1.31E-10	2.02E-09	4.56E-11	2.61E-10	3.11E-11	3.38E-10	4.14E-11	1.37E-10	9.42E-12	1.87E-10
5417	469567.3	3819544.98	4.62E-10	1.94E-09	1.75E-10	2.58E-09	3.85E-10	1.42E-09	1.25E-10	1.93E-09	4.36E-11	2.50E-10	2.98E-11	3.23E-10	3.96E-11	1.31E-10	9.01E-12	1.79E-10
5418	469563.76	3819535.96	4.42E-10	1.85E-09	1.67E-10	2.46E-09	3.68E-10	1.36E-09	1.20E-10	1.85E-09	4.17E-11	2.39E-10	2.85E-11	3.09E-10	3.79E-11	1.25E-10	8.62E-12	1.72E-10
5419	469560.22	3819526.94	4.22E-10	1.77E-09	1.60E-10	2.36E-09	3.52E-10	1.30E-09	1.15E-10	1.77E-09	3.99E-11	2.28E-10	2.72E-11	2.95E-10	3.63E-11	1.20E-10	8.24E-12	1.64E-10
5420	469556.68	3819517.93	4.04E-10	1.70E-09	1.53E-10	2.25E-09	3.36E-10	1.25E-09	1.10E-10	1.69E-09	3.81E-11	2.18E-10	2.60E-11	2.82E-10	3.47E-11	1.14E-10	7.88E-12	1.57E-10
5421	469553.14	3819508.91	3.86E-10	1.62E-09	1.46E-10	2.15E-09	3.22E-10	1.19E-09	1.05E-10	1.62E-09	3.65E-11	2.09E-10	2.49E-11	2.70E-10	3.31E-11	1.09E-10	7.53E-12	1.50E-10
5422	469549.6	3819499.9	3.69E-10	1.55E-09	1.40E-10	2.06E-09	3.07E-10	1.14E-09	1.00E-10	1.55E-09	3.49E-11	2.00E-10	2.38E-11	2.58E-10	3.17E-11	1.04E-10	7.20E-12	1.43E-10
5423	469546.06	3819490.88	3.53E-10	1.48E-09	1.33E-10	1.97E-09	2.94E-10	1.09E-09	9.58E-11	1.48E-09	3.33E-11	1.91E-10	2.28E-11	2.47E-10	3.03E-11	9.99E-11	6.89E-12	1.37E-10
5424	469542.52	3819481.87	3.38E-10	1.42E-09	1.28E-10	1.88E-09	2.81E-10	1.04E-09	9.17E-11	1.41E-09	3.19E-11	1.83E-10	2.18E-11	2.36E-10	2.90E-11	9.56E-11	6.59E-12	1.31E-10
5425	469538.98	3819472.85	3.23E-10	1.36E-09	1.22E-10	1.80E-09	2.69E-10	9.97E-10	8.77E-11	1.35E-09	3.05E-11	1.75E-10	2.08E-11	2.26E-10	2.77E-11	9.15E-11	6.31E-12	1.26E-10
5426	469535.44	3819463.84	3.09E-10	1.30E-09	1.17E-10	1.73E-09	2.58E-10	9.55E-10	8.40E-11	1.30E-09	2.92E-11	1.67E-10	2.00E-11	2.16E-10	2.66E-11	8.76E-11	6.04E-12	1.20E-10
5427	469531.9	3819454.82	2.96E-10	1.24E-09	1.12E-10	1.65E-09	2.47E-10	9.15E-10	8.05E-11	1.24E-09	2.80E-11	1.60E-10	1.91E-11	2.07E-10	2.54E-11	8.39E-11	5.78E-12	1.15E-10
5428	469528.36	3819445.8	2.84E-10	1.19E-09	1.07E-10	1.58E-09	2.37E-10	8.77E-10	7.71E-11	1.19E-09	2.68E-11	1.54E-10	1.83E-11	1.99E-10	2.44E-11	8.04E-11	5.54E-12	1.10E-10
5429	470087.33	3820064.56	1.74E-09	7.31E-09	6.59E-10	9.71E-09	1.45E-09	5.37E-09	4.73E-10	7.30E-09	1.64E-10	9.42E-10	1.12E-10	1.22E-09	1.50E-10	4.93E-10	3.40E-11	6.77E-10
5430	470078.58	3820060.78	1.76E-09	7.37E-09	6.64E-10	9.79E-09	1.46E-09	5.42E-09	4.77E-10	7.36E-09	1.66E-10	9.49E-10	1.13E-10	1.23E-09	1.51E-10	4.97E-10	3.43E-11	6.82E-10
5431	470069.84	3820057	1.77E-09	7.42E-09	6.68E-10	9.86E-09	1.47E-09	5.45E-09	4.80E-10	7.41E-09	1.67E-10	9.55E-10	1.14E-10	1.24E-09	1.52E-10	5.00E-10	3.45E-11	6.86E-10
5432	470061.1	3820053.22	1.78E-09	7.46E-09	6.72E-10	9.91E-09	1.48E-09	5.48E-09	4.82E-10	7.45E-09	1.68E-10	9.61E-10	1.15E-10	1.24E-09	1.53E-10	5.03E-10	3.47E-11	6.90E-10
5433	470052.35	3820049.44	1.78E-09	7.50E-09	6.75E-10	9.96E-09	1.49E-09	5.51E-09	4.85E-10	7.48E-09	1.69E-10	9.65E-10	1.15E-10	1.25E-09	1.53E-10	5.05E-10	3.48E-11	6.93E-10
5434	469667.66	3819883.08	1.04E-09	4.35E-09	3.92E-10	5.78E-09	8.63E-10	3.20E-09	2.81E-10	4.34E-09	9.79E-11	5.60E-10	6.69E-11	7.25E-10	8.90E-11	2.93E-10	2.02E-11	4.03E-10
5435	469655.44	3819870.44	1.01E-09	4.23E-09	3.81E-10	5.62E-09	8.40E-10	3.11E-09	2.74E-10	4.22E-09	9.52E-11	5.45E-10	6.50E-11	7.05E-10	8.65E-11	2.85E-10	1.97E-11	3.92E-10
5436	469651.95	3819861.57	1.00E-09	4.21E-09	3.79E-10	5.59E-09	8.35E-10	3.09E-09	2.72E-10	4.20E-09	9.46E-11	5.42E-10	6.46E-11	7.01E-10	8.60E-11	2.84E-10	1.96E-11	3.89E-10
5437	469648.47	3819852.7	9.95E-10	4.18E-09	3.76E-10	5.55E-09	8.29E-10	3.07E-09	2.70E-10	4.17E-09	9.40E-11	5.38E-10	6.42E-11	6.96E-10	8.54E-11	2.82E-10	1.94E-11	3.86E-10
5438	469644.99	3819843.84	9.87E-10	4.15E-09	3.73E-10	5.51E-09	8.22E-10	3.05E-09	2.68E-10	4.14E-09	9.32E-11	5.34E-10	6.37E-11	6.91E-10	8.47E-11	2.79E-10	1.93E-11	3.83E-10
5439	469557.94	3819622.18	5.53E-10	2.32E-09	2.09E-10	3.08E-09	4.60E-10	1.71E-09	1.50E-10	2.32E-09	5.22E-11	2.99E-10	3.56E-11	3.87E-10	4.74E-11	1.56E-10	1.08E-11	2.15E-10
5440	469554.46	3819613.31	5.32E-10	2.23E-09	2.01E-10	2.97E-09	4.43E-10	1.64E-09	1.44E-10	2.23E-09	5.02E-11	2.88E-10	3.43E-11	3.72E-10	4.57E-11	1.51E-10	1.04E-11	2.07E-10
5441	469550.98	3819604.45	5.12E-10	2.15E-09	1.94E-10	2.85E-09	4.26E-10	1.58E-09	1.39E-10	2.14E-09	4.83E-11	2.77E-10	3.30E-11	3.58E-10	4.39E-11	1.45E-10	9.99E-12	1.99E-10
5442	469547.5	3819595.58	4.92E-10	2.07E-09	1.86E-10	2.74E-09	4.10E-10	1.52E-09	1.34E-10	2.06E-09	4.65E-11	2.66E-10	3.17E-11	3.44E-10	4.22E-11	1.39E-10	9.60E-12	1.91E-10
5443	469544.02	3819586.72	4.73E-10	1.98E-09	1.79E-10	2.64E-09	3.94E-10	1.46E-09	1.28E-10	1.98E-09	4.46E-11	2.55E-10	3.05E-11	3.31E-10	4.06E-11	1.34E-10	9.22E-12	1.84E-10
5444	469540.53	3819577.85	4.54E-10	1.91E-09	1.72E-10	2.53E-09	3.78E-10	1.40E-09	1.23E-10	1.90E-09	4.28E-11	2.45E-10	2.93E-11	3.17E-10	3.89E-11	1.28E-10	8.85E-12	1.76E-10
5445	469537.05	3819568.98	4.35E-10	1.83E-09	1.65E-10	2.43E-09	3.63E-10	1.34E-09	1.18E-10	1.82E-09	4.11E-11	2.35E-10	2.81E-11	3.05E-10	3.74E-11	1.23E-10	8.49E-12	1.69E-10
5446	469533.57	3819560.12	4.17E-10	1.75E-09	1.58E-10	2.33E-09	3.48E-10	1.29E-09	1.13E-10	1.75E-09	3.94E-11	2.26E-10	2.69E-11	2.92E-10	3.58E-11	1.18E-10	8.14E-12	1.62E-10

5447	469530.09	3819551.25	4.00E-10	1.68E-09	1.51E-10	2.23E-09	3.33E-10	1.23E-09	1.09E-10	1.68E-09	3.77E-11	2.16E-10	2.58E-11	2.80E-10	3.43E-11	1.13E-10	7.80E-12	1.55E-10
5448	469526.61	3819542.38	3.83E-10	1.61E-09	1.45E-10	2.14E-09	3.19E-10	1.18E-09	1.04E-10	1.60E-09	3.62E-11	2.07E-10	2.47E-11	2.68E-10	3.29E-11	1.08E-10	7.47E-12	1.49E-10
5449	469523.12	3819533.52	3.67E-10	1.54E-09	1.39E-10	2.05E-09	3.06E-10	1.13E-09	9.96E-11	1.54E-09	3.46E-11	1.98E-10	2.37E-11	2.57E-10	3.15E-11	1.04E-10	7.16E-12	1.43E-10
5450	469519.64	3819524.65	3.51E-10	1.48E-09	1.33E-10	1.96E-09	2.93E-10	1.08E-09	9.54E-11	1.47E-09	3.32E-11	1.90E-10	2.27E-11	2.46E-10	3.02E-11	9.95E-11	6.86E-12	1.36E-10
5451	469516.16	3819515.79	3.37E-10	1.41E-09	1.27E-10	1.88E-09	2.80E-10	1.04E-09	9.14E-11	1.41E-09	3.18E-11	1.82E-10	2.17E-11	2.35E-10	2.89E-11	9.53E-11	6.57E-12	1.31E-10
5452	469512.68	3819506.92	3.22E-10	1.35E-09	1.22E-10	1.80E-09	2.69E-10	9.95E-10	8.75E-11	1.35E-09	3.05E-11	1.74E-10	2.08E-11	2.26E-10	2.77E-11	9.13E-11	6.29E-12	1.25E-10
5453	469509.2	3819498.05	3.09E-10	1.30E-09	1.17E-10	1.72E-09	2.57E-10	9.54E-10	8.39E-11	1.30E-09	2.92E-11	1.67E-10	1.99E-11	2.16E-10	2.65E-11	8.75E-11	6.03E-12	1.20E-10
5454	469505.72	3819489.19	2.97E-10	1.25E-09	1.12E-10	1.65E-09	2.47E-10	9.15E-10	8.05E-11	1.24E-09	2.80E-11	1.60E-10	1.91E-11	2.08E-10	2.55E-11	8.40E-11	5.79E-12	1.15E-10
5455	469502.23	3819480.32	2.85E-10	1.20E-09	1.08E-10	1.59E-09	2.37E-10	8.79E-10	7.73E-11	1.19E-09	2.69E-11	1.54E-10	1.84E-11	1.99E-10	2.45E-11	8.07E-11	5.56E-12	1.11E-10
5456	469498.75	3819471.45	2.74E-10	1.15E-09	1.04E-10	1.53E-09	2.28E-10	8.45E-10	7.43E-11	1.15E-09	2.59E-11	1.48E-10	1.77E-11	1.91E-10	2.35E-11	7.75E-11	5.34E-12	1.06E-10
5457	469495.27	3819462.59	2.63E-10	1.10E-09	9.94E-11	1.47E-09	2.19E-10	8.11E-10	7.14E-11	1.10E-09	2.48E-11	1.42E-10	1.70E-11	1.84E-10	2.26E-11	7.44E-11	5.13E-12	1.02E-10
5458	469491.79	3819453.72	2.53E-10	1.06E-09	9.55E-11	1.41E-09	2.10E-10	7.79E-10	6.85E-11	1.06E-09	2.38E-11	1.37E-10	1.63E-11	1.77E-10	2.17E-11	7.15E-11	4.93E-12	9.81E-11
5459	469488.31	3819444.85	2.43E-10	1.02E-09	9.18E-11	1.35E-09	2.02E-10	7.49E-10	6.59E-11	1.02E-09	2.29E-11	1.31E-10	1.57E-11	1.70E-10	2.08E-11	6.87E-11	4.74E-12	9.43E-11
5460	470096.07	3820068.34	1.73E-09	7.25E-09	6.53E-10	9.63E-09	1.44E-09	5.33E-09	4.69E-10	7.23E-09	1.63E-10	9.33E-10	1.11E-10	1.21E-09	1.48E-10	4.89E-10	3.37E-11	6.70E-10
5461	470105.77	3820068.47	1.72E-09	7.24E-09	6.52E-10	9.62E-09	1.44E-09	5.32E-09	4.68E-10	7.22E-09	1.63E-10	9.32E-10	1.11E-10	1.21E-09	1.48E-10	4.88E-10	3.36E-11	6.70E-10
5462	470115.46	3820068.61	1.72E-09	7.22E-09	6.50E-10	9.59E-09	1.43E-09	5.31E-09	4.67E-10	7.21E-09	1.62E-10	9.30E-10	1.11E-10	1.20E-09	1.48E-10	4.87E-10	3.36E-11	6.68E-10
5463	470125.16	3820068.74	1.71E-09	7.20E-09	6.48E-10	9.56E-09	1.43E-09	5.29E-09	4.65E-10	7.18E-09	1.62E-10	9.27E-10	1.11E-10	1.20E-09	1.47E-10	4.85E-10	3.34E-11	6.66E-10
5464	470134.86	3820068.88	1.71E-09	7.16E-09	6.45E-10	9.52E-09	1.42E-09	5.26E-09	4.63E-10	7.15E-09	1.61E-10	9.22E-10	1.10E-10	1.19E-09	1.46E-10	4.83E-10	3.33E-11	6.63E-10
5465	470144.56	3820069.01	1.70E-09	7.12E-09	6.41E-10	9.46E-09	1.41E-09	5.23E-09	4.60E-10	7.11E-09	1.60E-10	9.17E-10	1.09E-10	1.19E-09	1.46E-10	4.80E-10	3.31E-11	6.59E-10
5466	470154.25	3820069.15	1.68E-09	7.07E-09	6.37E-10	9.39E-09	1.40E-09	5.20E-09	4.57E-10	7.06E-09	1.59E-10	9.10E-10	1.09E-10	1.18E-09	1.45E-10	4.77E-10	3.29E-11	6.54E-10
5467	470163.95	3820069.28	1.67E-09	7.01E-09	6.32E-10	9.32E-09	1.39E-09	5.15E-09	4.53E-10	7.00E-09	1.58E-10	9.03E-10	1.08E-10	1.17E-09	1.43E-10	4.73E-10	3.26E-11	6.49E-10
5468	470173.65	3820069.42	1.66E-09	6.95E-09	6.26E-10	9.23E-09	1.38E-09	5.11E-09	4.49E-10	6.94E-09	1.56E-10	8.95E-10	1.07E-10	1.16E-09	1.42E-10	4.69E-10	3.23E-11	6.43E-10
5469	470183.34	3820069.55	1.64E-09	6.89E-09	6.20E-10	9.14E-09	1.37E-09	5.06E-09	4.45E-10	6.87E-09	1.55E-10	8.86E-10	1.06E-10	1.15E-09	1.41E-10	4.64E-10	3.20E-11	6.37E-10
5470	470193.04	3820069.69	1.62E-09	6.81E-09	6.14E-10	9.05E-09	1.35E-09	5.01E-09	4.40E-10	6.80E-09	1.53E-10	8.77E-10	1.05E-10	1.14E-09	1.39E-10	4.59E-10	3.17E-11	6.30E-10
5471	470202.74	3820069.82	1.60E-09	6.74E-09	6.07E-10	8.95E-09	1.34E-09	4.95E-09	4.36E-10	6.72E-09	1.52E-10	8.67E-10	1.04E-10	1.12E-09	1.38E-10	4.54E-10	3.13E-11	6.23E-10
5472	470212.44	3820069.96	1.59E-09	6.66E-09	6.00E-10	8.84E-09	1.32E-09	4.89E-09	4.30E-10	6.64E-09	1.50E-10	8.57E-10	1.02E-10	1.11E-09	1.36E-10	4.49E-10	3.09E-11	6.16E-10
5473	470222.13	3820070.09	1.57E-09	6.58E-09	5.92E-10	8.73E-09	1.30E-09	4.83E-09	4.25E-10	6.56E-09	1.48E-10	8.46E-10	1.01E-10	1.10E-09	1.34E-10	4.43E-10	3.06E-11	6.08E-10
5474	470231.83	3820070.23	1.55E-09	6.49E-09	5.84E-10	8.62E-09	1.29E-09	4.77E-09	4.20E-10	6.48E-09	1.46E-10	8.35E-10	9.97E-11	1.08E-09	1.33E-10	4.37E-10	3.02E-11	6.00E-10
5475	470241.53	3820070.36	1.53E-09	6.41E-09	5.77E-10	8.51E-09	1.27E-09	4.71E-09	4.14E-10	6.39E-09	1.44E-10	8.25E-10	9.84E-11	1.07E-09	1.31E-10	4.32E-10	2.98E-11	5.92E-10
5476	470251.23	3820070.5	1.50E-09	6.32E-09	5.69E-10	8.39E-09	1.25E-09	4.64E-09	4.09E-10	6.31E-09	1.42E-10	8.14E-10	9.71E-11	1.05E-09	1.29E-10	4.26E-10	2.94E-11	5.85E-10
5477	470260.92	3820070.63	1.48E-09	6.23E-09	5.61E-10	8.28E-09	1.24E-09	4.58E-09	4.03E-10	6.22E-09	1.40E-10	8.02E-10	9.57E-11	1.04E-09	1.27E-10	4.20E-10	2.90E-11	5.77E-10
5478	470086.73	3820104.54	1.58E-09	6.64E-09	5.98E-10	8.82E-09	1.32E-09	4.88E-09	4.29E-10	6.63E-09	1.49E-10	8.55E-10	1.02E-10	1.11E-09	1.36E-10	4.48E-10	3.09E-11	6.14E-10
5479	470077.95	3820100.74	1.59E-09	6.70E-09	6.03E-10	8.89E-09	1.33E-09	4.92E-09	4.33E-10	6.68E-09	1.51E-10	8.62E-10	1.03E-10	1.12E-09	1.37E-10	4.51E-10	3.11E-11	6.19E-10
5480	470069.17	3820096.95	1.61E-09	6.75E-09	6.07E-10	8.96E-09	1.34E-09	4.96E-09	4.36E-10	6.73E-09	1.52E-10	8.68E-10	1.04E-10	1.12E-09	1.38E-10	4.55E-10	3.13E-11	6.24E-10
5481	470060.39	3820093.15	1.62E-09	6.79E-09	6.11E-10	9.01E-09	1.35E-09	4.99E-09	4.39E-10	6.77E-09	1.53E-10	8.74E-10	1.04E-10	1.13E-09	1.39E-10	4.57E-10	3.15E-11	6.28E-10
5482	470051.61	3820089.35	1.62E-09	6.82E-09	6.14E-10	9.06E-09	1.35E-09	5.01E-09	4.41E-10	6.81E-09	1.53E-10	8.78E-10	1.05E-10	1.14E-09	1.39E-10	4.60E-10	3.17E-11	6.31E-10
5483	470042.83	3820085.56	1.63E-09	6.85E-09	6.17E-10	9.09E-09	1.36E-09	5.03E-09	4.43E-10	6.83E-09	1.54E-10	8.81E-10	1.05E-10	1.14E-09	1.40E-10	4.62E-10	3.18E-11	6.33E-10
5484	470034.05	3820081.76	1.63E-09	6.87E-09	6.18E-10	9.12E-09	1.36E-09	5.04E-09	4.44E-10	6.85E-09	1.54E-10	8.84E-10	1.05E-10	1.14E-09	1.40E-10	4.63E-10	3.19E-11	6.35E-10
5485	470025.27	3820077.96	1.64E-09	6.88E-09	6.19E-10	9.13E-09	1.36E-09	5.05E-09	4.44E-10	6.86E-09	1.55E-10	8.85E-10	1.06E-10	1.15E-09	1.41E-10	4.63E-10	3.20E-11	6.36E-10
5486	470016.49	3820074.16	1.64E-09	6.88E-09	6.20E-10	9.14E-09	1.36E-09	5.06E-09	4.45E-10	6.86E-09	1.55E-10	8.86E-10	1.06E-10	1.15E-09	1.41E-10	4.64E-10	3.20E-11	6.36E-10
5487	470007.71	3820070.37	1.64E-09	6.87E-09	6.19E-10	9.13E-09	1.36E-09	5.05E-09	4.44E-10	6.86E-09	1.55E-10	8.85E-10	1.06E-10	1.15E-09	1.41E-10	4.63E-10	3.19E-11	6.36E-10
5488	469998.93	3820066.57	1.63E-09	6.86E-09	6.18E-10	9.11E-09	1.36E-09	5.04E-09	4.44E-10	6.85E-09	1.54E-10	8.83E-10	1.05E-10	1.14E-09	1.40E-10	4.62E-10	3.19E-11	6.35E-10
5489	469990.15	3820062.77	1.63E-09	6.84E-09	6.16E-10	9.09E-09	1.36E-09	5.03E-09	4.42E-10	6.83E-09	1.54E-10	8.81E-10	1.05E-10	1.14E-09	1.40E-10	4.61E-10	3.18E-11	6.33E-10
5490	469981.37	3820058.98	1.62E-09	6.81E-09	6.14E-10	9.05E-09	1.35E-09	5.01E-09	4.41E-10	6.80E-09	1.53E-10	8.77E-10	1.05E-10	1.14E-09	1.39E-10	4.59E-10	3.17E-11	6.30E-10
5491	469972.59	3820055.18	1.61E-09	6.78E-09	6.11E-10	9.01E-09	1.34E-09	4.98E-09	4.38E-10	6.77E-09	1.52E-10	8.73E-10	1.04E-10	1.13E-09	1.39E-10	4.57E-10	3.15E-11	6.27E-10
5492	469963.81	3820051.38	1.61E-09	6.74E-09	6.07E-10	8.95E-09	1.34E-09	4.95E-09	4.36E-10	6.73E-09	1.52E-10	8.68E-10	1.04E-10	1.12E-09	1.38E-10	4.54E-10	3.13E-11	6.24E-10
5493	469665.28	3819922.29	1.00E-09	4.20E-09	3.78E-10	5.58E-09	8.33E-10	3.08E-09	2.71E-10	4.19E-09	9.44E-11	5.40E-10	6.45E-11	6.99E-10	8.58E-11	2.83E-10	1.95E-11	3.88E-10
5494	469656.5	3819918.49	9.80E-10	4.11E-09	3.71E-10	5.46E-09	8.16E-10	3.02E-09	2.66E-10	4.11E-09	9.25E-11	5.30E-10	6.32E-11	6.85E-10	8.41E-11	2.77E-10	1.91E-11	3.81E-10
5495	469647.72	3819914.7	9.60E-10	4.03E-09	3.63E-10	5.35E-09	8.00E-10	2.96E-09	2.61E-10	4.02E-09	9.06E-11	5.19E-10	6.19E-11	6.71E-10	8.24E-11	2.72E-10	1.87E-11	3.73E-10
5496	469638.94	3819910.9	9.40E-10	3.95E-09	3.55E-10	5.24E-09	7.83E-10	2.90E-09	2.55E-10	3.94E-09	8.88E-11	5.08E-10	6.06E-11	6.58E-10	8.07E-11	2.66E-10	1.83E-11	3.65E-10

5497	469626.66	3819898.2	9.15E-10	3.84E-09	3.46E-10	5.11E-09	7.62E-10	2.82E-09	2.48E-10	3.84E-09	8.64E-11	4.95E-10	5.90E-11	6.40E-10	7.86E-11	2.59E-10	1.79E-11	3.56E-10
5498	469623.16	3819889.3	9.10E-10	3.82E-09	3.44E-10	5.08E-09	7.58E-10	2.81E-09	2.47E-10	3.81E-09	8.59E-11	4.92E-10	5.87E-11	6.37E-10	7.81E-11	2.58E-10	1.78E-11	3.53E-10
5499	469619.67	3819880.39	9.04E-10	3.80E-09	3.42E-10	5.04E-09	7.53E-10	2.79E-09	2.45E-10	3.79E-09	8.54E-11	4.89E-10	5.83E-11	6.32E-10	7.76E-11	2.56E-10	1.76E-11	3.51E-10
5500	469616.17	3819871.49	8.97E-10	3.77E-09	3.39E-10	5.00E-09	7.47E-10	2.77E-09	2.44E-10	3.76E-09	8.47E-11	4.85E-10	5.79E-11	6.27E-10	7.70E-11	2.54E-10	1.75E-11	3.48E-10
5501	469612.67	3819862.58	8.89E-10	3.74E-09	3.36E-10	4.96E-09	7.41E-10	2.74E-09	2.41E-10	3.73E-09	8.40E-11	4.81E-10	5.74E-11	6.22E-10	7.64E-11	2.52E-10	1.74E-11	3.45E-10
5502	469609.18	3819853.68	8.81E-10	3.70E-09	3.33E-10	4.91E-09	7.34E-10	2.72E-09	2.39E-10	3.69E-09	8.32E-11	4.76E-10	5.68E-11	6.16E-10	7.56E-11	2.49E-10	1.72E-11	3.42E-10
5503	469605.68	3819844.78	8.72E-10	3.66E-09	3.30E-10	4.86E-09	7.26E-10	2.69E-09	2.37E-10	3.65E-09	8.23E-11	4.71E-10	5.62E-11	6.10E-10	7.49E-11	2.47E-10	1.70E-11	3.39E-10
5504	469518.26	3819622.17	4.67E-10	1.96E-09	1.77E-10	2.61E-09	3.89E-10	1.44E-09	1.27E-10	1.96E-09	4.41E-11	2.53E-10	3.01E-11	3.27E-10	4.01E-11	1.32E-10	9.12E-12	1.81E-10
5505	469514.77	3819613.27	4.49E-10	1.89E-09	1.70E-10	2.51E-09	3.74E-10	1.39E-09	1.22E-10	1.88E-09	4.24E-11	2.43E-10	2.90E-11	3.14E-10	3.86E-11	1.27E-10	8.77E-12	1.75E-10
5506	469511.27	3819604.37	4.32E-10	1.82E-09	1.64E-10	2.41E-09	3.60E-10	1.33E-09	1.17E-10	1.81E-09	4.08E-11	2.34E-10	2.79E-11	3.02E-10	3.71E-11	1.22E-10	8.44E-12	1.68E-10
5507	469507.77	3819595.46	4.16E-10	1.75E-09	1.57E-10	2.32E-09	3.46E-10	1.28E-09	1.13E-10	1.74E-09	3.93E-11	2.25E-10	2.68E-11	2.91E-10	3.57E-11	1.18E-10	8.11E-12	1.61E-10
5508	469504.28	3819586.56	4.00E-10	1.68E-09	1.51E-10	2.23E-09	3.33E-10	1.23E-09	1.08E-10	1.67E-09	3.77E-11	2.16E-10	2.58E-11	2.80E-10	3.43E-11	1.13E-10	7.80E-12	1.55E-10
5509	469500.78	3819577.65	3.83E-10	1.61E-09	1.45E-10	2.14E-09	3.19E-10	1.18E-09	1.04E-10	1.61E-09	3.62E-11	2.07E-10	2.47E-11	2.68E-10	3.29E-11	1.08E-10	7.48E-12	1.49E-10
5510	469497.28	3819568.75	3.68E-10	1.54E-09	1.39E-10	2.05E-09	3.06E-10	1.13E-09	9.98E-11	1.54E-09	3.47E-11	1.99E-10	2.37E-11	2.57E-10	3.16E-11	1.04E-10	7.17E-12	1.43E-10
5511	469493.79	3819559.84	3.52E-10	1.48E-09	1.33E-10	1.97E-09	2.94E-10	1.09E-09	9.57E-11	1.48E-09	3.33E-11	1.91E-10	2.27E-11	2.47E-10	3.03E-11	9.98E-11	6.88E-12	1.37E-10
5512	469490.29	3819550.94	3.38E-10	1.42E-09	1.28E-10	1.89E-09	2.82E-10	1.04E-09	9.18E-11	1.42E-09	3.19E-11	1.83E-10	2.18E-11	2.36E-10	2.90E-11	9.57E-11	6.60E-12	1.31E-10
5513	469486.79	3819542.04	3.24E-10	1.36E-09	1.23E-10	1.81E-09	2.70E-10	1.00E-09	8.81E-11	1.36E-09	3.06E-11	1.75E-10	2.09E-11	2.27E-10	2.79E-11	9.18E-11	6.33E-12	1.26E-10
5514	469483.3	3819533.13	3.11E-10	1.31E-09	1.18E-10	1.74E-09	2.59E-10	9.61E-10	8.45E-11	1.30E-09	2.94E-11	1.68E-10	2.01E-11	2.18E-10	2.67E-11	8.82E-11	6.08E-12	1.21E-10
5515	469479.8	3819524.23	2.99E-10	1.26E-09	1.13E-10	1.67E-09	2.49E-10	9.22E-10	8.11E-11	1.25E-09	2.82E-11	1.62E-10	1.93E-11	2.09E-10	2.57E-11	8.46E-11	5.83E-12	1.16E-10
5516	469476.3	3819515.32	2.87E-10	1.21E-09	1.09E-10	1.60E-09	2.39E-10	8.85E-10	7.79E-11	1.20E-09	2.71E-11	1.55E-10	1.85E-11	2.01E-10	2.46E-11	8.12E-11	5.60E-12	1.11E-10
5517	469472.81	3819506.42	2.76E-10	1.16E-09	1.04E-10	1.54E-09	2.30E-10	8.50E-10	7.48E-11	1.15E-09	2.60E-11	1.49E-10	1.78E-11	1.93E-10	2.37E-11	7.80E-11	5.38E-12	1.07E-10
5518	469469.31	3819497.52	2.65E-10	1.11E-09	1.00E-10	1.48E-09	2.20E-10	8.17E-10	7.19E-11	1.11E-09	2.50E-11	1.43E-10	1.71E-11	1.85E-10	2.27E-11	7.49E-11	5.16E-12	1.03E-10
5519	469465.81	3819488.61	2.54E-10	1.07E-09	9.62E-11	1.42E-09	2.12E-10	7.85E-10	6.91E-11	1.07E-09	2.40E-11	1.38E-10	1.64E-11	1.78E-10	2.18E-11	7.20E-11	4.96E-12	9.88E-11
5520	469462.32	3819479.71	2.45E-10	1.03E-09	9.25E-11	1.36E-09	2.04E-10	7.55E-10	6.64E-11	1.03E-09	2.31E-11	1.32E-10	1.58E-11	1.71E-10	2.10E-11	6.92E-11	4.77E-12	9.50E-11
5521	469458.82	3819470.8	2.35E-10	9.88E-10	8.90E-11	1.31E-09	1.96E-10	7.26E-10	6.39E-11	9.86E-10	2.22E-11	1.27E-10	1.52E-11	1.65E-10	2.02E-11	6.66E-11	4.59E-12	9.14E-11
5522	469455.32	3819461.9	2.26E-10	9.51E-10	8.57E-11	1.26E-09	1.89E-10	6.99E-10	6.15E-11	9.49E-10	2.14E-11	1.22E-10	1.46E-11	1.58E-10	1.94E-11	6.41E-11	4.42E-12	8.80E-11
5523	469451.83	3819453	2.18E-10	9.16E-10	8.25E-11	1.22E-09	1.82E-10	6.73E-10	5.92E-11	9.14E-10	2.06E-11	1.18E-10	1.41E-11	1.53E-10	1.87E-11	6.17E-11	4.26E-12	8.47E-11
5524	469448.33	3819444.09	2.10E-10	8.83E-10	7.95E-11	1.17E-09	1.75E-10	6.49E-10	5.71E-11	8.81E-10	1.99E-11	1.14E-10	1.36E-11	1.47E-10	1.81E-11	5.95E-11	4.10E-12	8.17E-11
5525	470095.51	3820108.34	1.57E-09	6.58E-09	5.93E-10	8.74E-09	1.30E-09	4.83E-09	4.25E-10	6.56E-09	1.48E-10	8.47E-10	1.01E-10	1.10E-09	1.34E-10	4.43E-10	3.06E-11	6.09E-10
5526	470105.21	3820108.47	1.56E-09	6.57E-09	5.91E-10	8.72E-09	1.30E-09	4.83E-09	4.24E-10	6.55E-09	1.48E-10	8.45E-10	1.01E-10	1.09E-09	1.34E-10	4.43E-10	3.05E-11	6.07E-10
5527	470114.91	3820108.61	1.56E-09	6.55E-09	5.90E-10	8.70E-09	1.30E-09	4.81E-09	4.23E-10	6.53E-09	1.47E-10	8.43E-10	1.01E-10	1.09E-09	1.34E-10	4.41E-10	3.04E-11	6.06E-10
5528	470124.6	3820108.74	1.55E-09	6.52E-09	5.87E-10	8.66E-09	1.29E-09	4.79E-09	4.21E-10	6.51E-09	1.47E-10	8.39E-10	1.00E-10	1.09E-09	1.33E-10	4.40E-10	3.03E-11	6.03E-10
5529	470134.3	3820108.88	1.54E-09	6.49E-09	5.84E-10	8.62E-09	1.29E-09	4.77E-09	4.19E-10	6.47E-09	1.46E-10	8.35E-10	9.96E-11	1.08E-09	1.33E-10	4.37E-10	3.01E-11	6.00E-10
5530	470144	3820109.01	1.54E-09	6.45E-09	5.81E-10	8.56E-09	1.28E-09	4.74E-09	4.17E-10	6.43E-09	1.45E-10	8.30E-10	9.90E-11	1.07E-09	1.32E-10	4.35E-10	3.00E-11	5.96E-10
5531	470153.7	3820109.15	1.52E-09	6.40E-09	5.77E-10	8.50E-09	1.27E-09	4.71E-09	4.14E-10	6.39E-09	1.44E-10	8.24E-10	9.83E-11	1.07E-09	1.31E-10	4.32E-10	2.98E-11	5.92E-10
5532	470163.39	3820109.28	1.51E-09	6.35E-09	5.72E-10	8.44E-09	1.26E-09	4.67E-09	4.11E-10	6.34E-09	1.43E-10	8.18E-10	9.76E-11	1.06E-09	1.30E-10	4.28E-10	2.95E-11	5.88E-10
5533	470173.09	3820109.42	1.50E-09	6.30E-09	5.67E-10	8.36E-09	1.25E-09	4.63E-09	4.07E-10	6.28E-09	1.42E-10	8.11E-10	9.67E-11	1.05E-09	1.29E-10	4.24E-10	2.93E-11	5.82E-10
5534	470182.79	3820109.55	1.48E-09	6.24E-09	5.62E-10	8.28E-09	1.24E-09	4.58E-09	4.03E-10	6.22E-09	1.40E-10	8.03E-10	9.58E-11	1.04E-09	1.27E-10	4.20E-10	2.90E-11	5.77E-10
5535	470192.48	3820109.69	1.47E-09	6.17E-09	5.56E-10	8.20E-09	1.22E-09	4.53E-09	3.99E-10	6.16E-09	1.39E-10	7.94E-10	9.48E-11	1.03E-09	1.26E-10	4.16E-10	2.87E-11	5.71E-10
5536	470202.18	3820109.82	1.45E-09	6.10E-09	5.50E-10	8.11E-09	1.21E-09	4.48E-09	3.95E-10	6.09E-09	1.37E-10	7.86E-10	9.37E-11	1.02E-09	1.25E-10	4.11E-10	2.84E-11	5.64E-10
5537	470211.88	3820109.96	1.44E-09	6.03E-09	5.43E-10	8.02E-09	1.20E-09	4.43E-09	3.90E-10	6.02E-09	1.36E-10	7.77E-10	9.27E-11	1.01E-09	1.23E-10	4.07E-10	2.80E-11	5.58E-10
5538	470221.58	3820110.09	1.42E-09	5.96E-09	5.37E-10	7.92E-09	1.18E-09	4.38E-09	3.86E-10	5.95E-09	1.34E-10	7.68E-10	9.16E-11	9.93E-10	1.22E-10	4.02E-10	2.77E-11	5.52E-10
5539	470231.27	3820110.23	1.40E-09	5.89E-09	5.31E-10	7.83E-09	1.17E-09	4.33E-09	3.81E-10	5.88E-09	1.32E-10	7.58E-10	9.05E-11	9.81E-10	1.20E-10	3.97E-10	2.74E-11	5.45E-10
5540	470240.97	3820110.36	1.38E-09	5.82E-09	5.24E-10	7.72E-09	1.15E-09	4.27E-09	3.76E-10	5.80E-09	1.31E-10	7.49E-10	8.93E-11	9.69E-10	1.19E-10	3.92E-10	2.70E-11	5.38E-10
5541	470250.67	3820110.5	1.37E-09	5.74E-09	5.17E-10	7.62E-09	1.14E-09	4.22E-09	3.71E-10	5.73E-09	1.29E-10	7.39E-10	8.82E-11	9.56E-10	1.17E-10	3.87E-10	2.67E-11	5.31E-10
5542	470260.37	3820110.63	1.35E-09	5.66E-09	5.10E-10	7.52E-09	1.12E-09	4.16E-09	3.66E-10	5.65E-09	1.27E-10	7.29E-10	8.70E-11	9.43E-10	1.16E-10	3.82E-10	2.63E-11	5.24E-10
5543	470086.14	3820144.52	1.44E-09	6.06E-09	5.46E-10	8.05E-09	1.20E-09	4.45E-09	3.92E-10	6.05E-09	1.36E-10	7.80E-10	9.31E-11	1.01E-09	1.24E-10	4.08E-10	2.82E-11	5.60E-10
5544	470077.33	3820140.71	1.46E-09	6.11E-09	5.51E-10	8.12E-09	1.21E-09	4.49E-09	3.95E-10	6.10E-09	1.37E-10	7.87E-10	9.39E-11	1.02E-09	1.25E-10	4.12E-10	2.84E-11	5.65E-10
5545	470068.52	3820136.9	1.47E-09	6.16E-09	5.55E-10	8.18E-09	1.22E-09	4.53E-09	3.98E-10	6.15E-09	1.38E-10	7.93E-10	9.46E-11	1.03E-09	1.26E-10	4.15E-10	2.86E-11	5.70E-10
5546	470059.7	3820133.09	1.48E-09	6.20E-09	5.58E-10	8.23E-09	1.23E-09	4.56E-09	4.01E-10	6.19E-09	1.39E-10	7.98E-10	9.52E-11	1.03E-09	1.27E-10	4.18E-10	2.88E-11	5.73E-10

5547	470050.89	3820129.28	1.48E-09	6.23E-09	5.61E-10	8.28E-09	1.24E-09	4.58E-09	4.03E-10	6.22E-09	1.40E-10	8.02E-10	9.57E-11	1.04E-09	1.27E-10	4.20E-10	2.90E-11	5.77E-10
5548	470042.07	3820125.46	1.49E-09	6.26E-09	5.64E-10	8.31E-09	1.24E-09	4.60E-09	4.05E-10	6.25E-09	1.41E-10	8.06E-10	9.62E-11	1.04E-09	1.28E-10	4.22E-10	2.91E-11	5.79E-10
5549	470033.26	3820121.65	1.50E-09	6.28E-09	5.66E-10	8.34E-09	1.25E-09	4.62E-09	4.06E-10	6.27E-09	1.41E-10	8.09E-10	9.65E-11	1.05E-09	1.28E-10	4.23E-10	2.92E-11	5.81E-10
5550	470024.45	3820117.84	1.50E-09	6.30E-09	5.67E-10	8.36E-09	1.25E-09	4.63E-09	4.07E-10	6.28E-09	1.42E-10	8.10E-10	9.67E-11	1.05E-09	1.29E-10	4.24E-10	2.92E-11	5.82E-10
5551	470015.63	3820114.03	1.50E-09	6.30E-09	5.68E-10	8.37E-09	1.25E-09	4.63E-09	4.07E-10	6.29E-09	1.42E-10	8.11E-10	9.68E-11	1.05E-09	1.29E-10	4.25E-10	2.93E-11	5.83E-10
5552	470006.82	3820110.22	1.50E-09	6.30E-09	5.68E-10	8.37E-09	1.25E-09	4.63E-09	4.07E-10	6.29E-09	1.42E-10	8.11E-10	9.68E-11	1.05E-09	1.29E-10	4.25E-10	2.93E-11	5.83E-10
5553	469998.01	3820106.41	1.50E-09	6.30E-09	5.67E-10	8.36E-09	1.25E-09	4.63E-09	4.07E-10	6.28E-09	1.42E-10	8.10E-10	9.67E-11	1.05E-09	1.29E-10	4.24E-10	2.92E-11	5.82E-10
5554	469989.19	3820102.6	1.50E-09	6.28E-09	5.66E-10	8.34E-09	1.25E-09	4.62E-09	4.06E-10	6.27E-09	1.41E-10	8.09E-10	9.65E-11	1.05E-09	1.28E-10	4.23E-10	2.92E-11	5.81E-10
5555	469980.38	3820098.79	1.49E-09	6.26E-09	5.64E-10	8.32E-09	1.24E-09	4.60E-09	4.05E-10	6.25E-09	1.41E-10	8.06E-10	9.62E-11	1.04E-09	1.28E-10	4.22E-10	2.91E-11	5.79E-10
5556	469971.57	3820094.98	1.49E-09	6.24E-09	5.62E-10	8.28E-09	1.24E-09	4.58E-09	4.03E-10	6.22E-09	1.40E-10	8.03E-10	9.58E-11	1.04E-09	1.27E-10	4.20E-10	2.90E-11	5.77E-10
5557	469962.75	3820091.16	1.48E-09	6.21E-09	5.59E-10	8.24E-09	1.23E-09	4.56E-09	4.01E-10	6.19E-09	1.40E-10	7.99E-10	9.53E-11	1.03E-09	1.27E-10	4.18E-10	2.88E-11	5.74E-10
5558	469953.94	3820087.35	1.47E-09	6.17E-09	5.56E-10	8.19E-09	1.22E-09	4.53E-09	3.99E-10	6.16E-09	1.39E-10	7.94E-10	9.48E-11	1.03E-09	1.26E-10	4.16E-10	2.87E-11	5.71E-10
5559	469945.13	3820083.54	1.46E-09	6.13E-09	5.52E-10	8.14E-09	1.22E-09	4.50E-09	3.96E-10	6.12E-09	1.38E-10	7.89E-10	9.41E-11	1.02E-09	1.25E-10	4.13E-10	2.85E-11	5.67E-10
5560	469936.31	3820079.73	1.45E-09	6.08E-09	5.48E-10	8.08E-09	1.21E-09	4.47E-09	3.93E-10	6.07E-09	1.37E-10	7.83E-10	9.34E-11	1.01E-09	1.24E-10	4.10E-10	2.83E-11	5.63E-10
5561	469927.5	3820075.92	1.44E-09	6.03E-09	5.43E-10	8.01E-09	1.20E-09	4.43E-09	3.90E-10	6.02E-09	1.36E-10	7.77E-10	9.27E-11	1.00E-09	1.23E-10	4.07E-10	2.80E-11	5.58E-10
5562	469918.68	3820072.11	1.42E-09	5.98E-09	5.39E-10	7.94E-09	1.19E-09	4.39E-09	3.87E-10	5.97E-09	1.34E-10	7.70E-10	9.18E-11	9.96E-10	1.22E-10	4.03E-10	2.78E-11	5.53E-10
5563	469909.87	3820068.3	1.41E-09	5.92E-09	5.33E-10	7.87E-09	1.17E-09	4.35E-09	3.83E-10	5.91E-09	1.33E-10	7.63E-10	9.10E-11	9.87E-10	1.21E-10	3.99E-10	2.75E-11	5.48E-10
5564	469901.06	3820064.49	1.40E-09	5.86E-09	5.28E-10	7.79E-09	1.16E-09	4.31E-09	3.79E-10	5.85E-09	1.32E-10	7.55E-10	9.01E-11	9.77E-10	1.20E-10	3.95E-10	2.72E-11	5.42E-10
5565	469892.24	3820060.67	1.38E-09	5.80E-09	5.23E-10	7.71E-09	1.15E-09	4.26E-09	3.75E-10	5.79E-09	1.30E-10	7.47E-10	8.91E-11	9.66E-10	1.19E-10	3.91E-10	2.70E-11	5.37E-10
5566	469883.43	3820056.86	1.37E-09	5.74E-09	5.17E-10	7.62E-09	1.14E-09	4.22E-09	3.71E-10	5.73E-09	1.29E-10	7.39E-10	8.81E-11	9.56E-10	1.17E-10	3.87E-10	2.67E-11	5.31E-10
5567	469874.62	3820053.05	1.35E-09	5.67E-09	5.11E-10	7.53E-09	1.13E-09	4.17E-09	3.67E-10	5.66E-09	1.28E-10	7.30E-10	8.71E-11	9.45E-10	1.16E-10	3.82E-10	2.64E-11	5.25E-10
5568	469865.8	3820049.24	1.33E-09	5.61E-09	5.05E-10	7.45E-09	1.11E-09	4.12E-09	3.62E-10	5.59E-09	1.26E-10	7.22E-10	8.61E-11	9.34E-10	1.15E-10	3.78E-10	2.60E-11	5.18E-10
5569	469671.91	3819965.39	9.76E-10	4.10E-09	3.69E-10	5.44E-09	8.13E-10	3.01E-09	2.65E-10	4.09E-09	9.21E-11	5.28E-10	6.29E-11	6.83E-10	8.38E-11	2.76E-10	1.90E-11	3.79E-10
5570	469663.09	3819961.58	9.59E-10	4.03E-09	3.63E-10	5.35E-09	7.99E-10	2.96E-09	2.60E-10	4.02E-09	9.06E-11	5.19E-10	6.19E-11	6.71E-10	8.23E-11	2.71E-10	1.87E-11	3.73E-10
5571	469654.28	3819957.77	9.42E-10	3.96E-09	3.56E-10	5.26E-09	7.85E-10	2.91E-09	2.56E-10	3.95E-09	8.90E-11	5.09E-10	6.08E-11	6.59E-10	8.09E-11	2.67E-10	1.84E-11	3.66E-10
5572	469645.46	3819953.96	9.25E-10	3.89E-09	3.50E-10	5.16E-09	7.71E-10	2.86E-09	2.51E-10	3.88E-09	8.74E-11	5.00E-10	5.97E-11	6.47E-10	7.94E-11	2.62E-10	1.81E-11	3.59E-10
5573	469636.65	3819950.15	9.08E-10	3.81E-09	3.43E-10	5.07E-09	7.57E-10	2.80E-09	2.47E-10	3.81E-09	8.58E-11	4.91E-10	5.86E-11	6.35E-10	7.80E-11	2.57E-10	1.77E-11	3.53E-10
5574	469627.84	3819946.34	8.91E-10	3.74E-09	3.37E-10	4.97E-09	7.42E-10	2.75E-09	2.42E-10	3.73E-09	8.41E-11	4.82E-10	5.75E-11	6.23E-10	7.65E-11	2.52E-10	1.74E-11	3.46E-10
5575	469619.02	3819942.53	8.74E-10	3.67E-09	3.30E-10	4.87E-09	7.28E-10	2.70E-09	2.37E-10	3.66E-09	8.25E-11	4.72E-10	5.64E-11	6.11E-10	7.50E-11	2.47E-10	1.70E-11	3.39E-10
5576	469610.21	3819938.72	8.57E-10	3.60E-09	3.24E-10	4.78E-09	7.13E-10	2.64E-09	2.33E-10	3.59E-09	8.09E-11	4.63E-10	5.52E-11	5.99E-10	7.35E-11	2.42E-10	1.67E-11	3.33E-10
5577	469597.89	3819925.97	8.35E-10	3.51E-09	3.16E-10	4.66E-09	6.96E-10	2.58E-09	2.27E-10	3.50E-09	7.89E-11	4.52E-10	5.39E-11	5.84E-10	7.17E-11	2.36E-10	1.63E-11	3.24E-10
5578	469594.38	3819917.03	8.31E-10	3.49E-09	3.14E-10	4.63E-09	6.92E-10	2.56E-09	2.25E-10	3.48E-09	7.84E-11	4.49E-10	5.36E-11	5.81E-10	7.13E-11	2.35E-10	1.62E-11	3.23E-10
5579	469590.87	3819908.09	8.25E-10	3.47E-09	3.12E-10	4.60E-09	6.87E-10	2.55E-09	2.24E-10	3.46E-09	7.79E-11	4.46E-10	5.32E-11	5.77E-10	7.09E-11	2.34E-10	1.61E-11	3.21E-10
5580	469587.36	3819899.15	8.19E-10	3.44E-09	3.10E-10	4.57E-09	6.83E-10	2.53E-09	2.22E-10	3.43E-09	7.74E-11	4.43E-10	5.29E-11	5.73E-10	7.03E-11	2.32E-10	1.60E-11	3.18E-10
5581	469583.85	3819890.21	8.13E-10	3.41E-09	3.07E-10	4.53E-09	6.77E-10	2.51E-09	2.21E-10	3.41E-09	7.68E-11	4.39E-10	5.24E-11	5.69E-10	6.98E-11	2.30E-10	1.59E-11	3.16E-10
5582	469580.34	3819881.28	8.05E-10	3.38E-09	3.05E-10	4.49E-09	6.71E-10	2.49E-09	2.19E-10	3.38E-09	7.61E-11	4.35E-10	5.20E-11	5.63E-10	6.91E-11	2.28E-10	1.57E-11	3.13E-10
5583	469576.83	3819872.34	7.98E-10	3.35E-09	3.02E-10	4.45E-09	6.64E-10	2.46E-09	2.17E-10	3.34E-09	7.53E-11	4.31E-10	5.15E-11	5.58E-10	6.85E-11	2.26E-10	1.56E-11	3.10E-10
5584	469573.32	3819863.4	7.89E-10	3.31E-09	2.98E-10	4.40E-09	6.57E-10	2.44E-09	2.14E-10	3.31E-09	7.45E-11	4.27E-10	5.09E-11	5.52E-10	6.77E-11	2.23E-10	1.54E-11	3.07E-10
5585	469569.81	3819854.46	7.80E-10	3.28E-09	2.95E-10	4.35E-09	6.50E-10	2.41E-09	2.12E-10	3.27E-09	7.36E-11	4.22E-10	5.03E-11	5.46E-10	6.70E-11	2.21E-10	1.52E-11	3.03E-10
5586	469566.3	3819845.53	7.70E-10	3.23E-09	2.91E-10	4.29E-09	6.41E-10	2.38E-09	2.09E-10	3.23E-09	7.27E-11	4.16E-10	4.97E-11	5.39E-10	6.61E-11	2.18E-10	1.50E-11	2.99E-10
5587	469478.55	3819622.08	3.98E-10	1.67E-09	1.50E-10	2.22E-09	3.31E-10	1.23E-09	1.08E-10	1.67E-09	3.76E-11	2.15E-10	2.57E-11	2.78E-10	3.41E-11	1.13E-10	7.76E-12	1.54E-10
5588	469475.04	3819613.14	3.83E-10	1.61E-09	1.45E-10	2.13E-09	3.19E-10	1.18E-09	1.04E-10	1.60E-09	3.61E-11	2.07E-10	2.47E-11	2.68E-10	3.28E-11	1.08E-10	7.47E-12	1.49E-10
5589	469471.53	3819604.21	3.68E-10	1.55E-09	1.39E-10	2.05E-09	3.07E-10	1.14E-09	1.00E-10	1.54E-09	3.48E-11	1.99E-10	2.38E-11	2.58E-10	3.16E-11	1.04E-10	7.19E-12	1.43E-10
5590	469468.02	3819595.27	3.54E-10	1.49E-09	1.34E-10	1.98E-09	2.95E-10	1.09E-09	9.62E-11	1.48E-09	3.35E-11	1.92E-10	2.29E-11	2.48E-10	3.04E-11	1.00E-10	6.91E-12	1.38E-10
5591	469464.51	3819586.33	3.41E-10	1.43E-09	1.29E-10	1.90E-09	2.84E-10	1.05E-09	9.25E-11	1.43E-09	3.22E-11	1.84E-10	2.20E-11	2.38E-10	2.92E-11	9.64E-11	6.65E-12	1.32E-10
5592	469461	3819577.39	3.27E-10	1.37E-09	1.24E-10	1.82E-09	2.72E-10	1.01E-09	8.88E-11	1.37E-09	3.09E-11	1.77E-10	2.11E-11	2.29E-10	2.81E-11	9.26E-11	6.38E-12	1.27E-10
5593	469457.49	3819568.45	3.14E-10	1.32E-09	1.19E-10	1.75E-09	2.62E-10	9.69E-10	8.52E-11	1.32E-09	2.97E-11	1.70E-10	2.03E-11	2.20E-10	2.70E-11	8.89E-11	6.13E-12	1.22E-10
5594	469453.98	3819559.52	3.01E-10	1.27E-09	1.14E-10	1.68E-09	2.51E-10	9.30E-10	8.18E-11	1.26E-09	2.85E-11	1.63E-10	1.94E-11	2.11E-10	2.59E-11	8.53E-11	5.88E-12	1.17E-10
5595	469450.47	3819550.58	2.89E-10	1.22E-09	1.09E-10	1.61E-09	2.41E-10	8.93E-10	7.86E-11	1.21E-09	2.73E-11	1.56E-10	1.87E-11	2.03E-10	2.49E-11	8.19E-11	5.65E-12	1.12E-10
5596	469446.96	3819541.64	2.78E-10	1.17E-09	1.05E-10	1.55E-09	2.32E-10	8.59E-10	7.55E-11	1.17E-09	2.63E-11	1.50E-10	1.79E-11	1.95E-10	2.39E-11	7.88E-11	5.43E-12	1.08E-10

5597	469443.45	3819532.7	2.67E-10	1.12E-09	1.01E-10	1.49E-09	2.23E-10	8.25E-10	7.26E-11	1.12E-09	2.53E-11	1.45E-10	1.72E-11	1.87E-10	2.30E-11	7.57E-11	5.22E-12	1.04E-10
5598	469439.94	3819523.77	2.57E-10	1.08E-09	9.72E-11	1.43E-09	2.14E-10	7.93E-10	6.98E-11	1.08E-09	2.43E-11	1.39E-10	1.66E-11	1.80E-10	2.21E-11	7.28E-11	5.02E-12	9.99E-11
5599	469436.43	3819514.83	2.47E-10	1.04E-09	9.35E-11	1.38E-09	2.06E-10	7.63E-10	6.71E-11	1.04E-09	2.33E-11	1.34E-10	1.59E-11	1.73E-10	2.12E-11	7.00E-11	4.82E-12	9.60E-11
5600	469432.92	3819505.89	2.38E-10	9.99E-10	9.00E-11	1.33E-09	1.98E-10	7.34E-10	6.46E-11	9.97E-10	2.25E-11	1.29E-10	1.53E-11	1.66E-10	2.04E-11	6.73E-11	4.64E-12	9.24E-11
5601	469429.41	3819496.95	2.29E-10	9.62E-10	8.66E-11	1.28E-09	1.91E-10	7.07E-10	6.22E-11	9.59E-10	2.16E-11	1.24E-10	1.48E-11	1.60E-10	1.97E-11	6.48E-11	4.47E-12	8.89E-11
5602	469425.9	3819488.01	2.20E-10	9.26E-10	8.34E-11	1.23E-09	1.84E-10	6.80E-10	5.98E-11	9.24E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.24E-11	4.30E-12	8.56E-11
5603	469422.39	3819479.08	2.12E-10	8.92E-10	8.03E-11	1.18E-09	1.77E-10	6.55E-10	5.77E-11	8.90E-10	2.01E-11	1.15E-10	1.37E-11	1.49E-10	1.82E-11	6.01E-11	4.14E-12	8.25E-11
5604	469418.88	3819470.14	2.05E-10	8.60E-10	7.74E-11	1.14E-09	1.71E-10	6.32E-10	5.56E-11	8.58E-10	1.93E-11	1.11E-10	1.32E-11	1.43E-10	1.76E-11	5.80E-11	3.99E-12	7.95E-11
5605	469415.37	3819461.2	1.98E-10	8.29E-10	7.47E-11	1.10E-09	1.65E-10	6.10E-10	5.36E-11	8.28E-10	1.87E-11	1.07E-10	1.27E-11	1.38E-10	1.70E-11	5.59E-11	3.85E-12	7.67E-11
5606	469411.86	3819452.26	1.91E-10	8.01E-10	7.21E-11	1.06E-09	1.59E-10	5.88E-10	5.17E-11	7.99E-10	1.80E-11	1.03E-10	1.23E-11	1.33E-10	1.64E-11	5.40E-11	3.72E-12	7.40E-11
5607	469408.35	3819443.32	1.84E-10	7.73E-10	6.96E-11	1.03E-09	1.53E-10	5.68E-10	5.00E-11	7.71E-10	1.74E-11	9.95E-11	1.19E-11	1.29E-10	1.58E-11	5.21E-11	3.59E-12	7.15E-11
5608	470094.96	3820148.33	1.43E-09	6.00E-09	5.40E-10	7.97E-09	1.19E-09	4.41E-09	3.88E-10	5.99E-09	1.35E-10	7.73E-10	9.22E-11	1.00E-09	1.23E-10	4.05E-10	2.79E-11	5.55E-10
5609	470104.65	3820148.47	1.43E-09	5.99E-09	5.39E-10	7.95E-09	1.19E-09	4.40E-09	3.87E-10	5.97E-09	1.35E-10	7.70E-10	9.19E-11	9.97E-10	1.22E-10	4.03E-10	2.78E-11	5.54E-10
5610	470114.35	3820148.6	1.42E-09	5.96E-09	5.37E-10	7.92E-09	1.18E-09	4.38E-09	3.86E-10	5.95E-09	1.34E-10	7.68E-10	9.16E-11	9.93E-10	1.22E-10	4.02E-10	2.77E-11	5.52E-10
5611	470124.05	3820148.74	1.41E-09	5.94E-09	5.35E-10	7.89E-09	1.18E-09	4.36E-09	3.84E-10	5.92E-09	1.34E-10	7.64E-10	9.12E-11	9.89E-10	1.21E-10	4.00E-10	2.76E-11	5.49E-10
5612	470133.74	3820148.87	1.41E-09	5.91E-09	5.32E-10	7.84E-09	1.17E-09	4.34E-09	3.82E-10	5.89E-09	1.33E-10	7.60E-10	9.07E-11	9.84E-10	1.21E-10	3.98E-10	2.74E-11	5.46E-10
5613	470143.44	3820149.01	1.40E-09	5.87E-09	5.28E-10	7.79E-09	1.16E-09	4.31E-09	3.79E-10	5.85E-09	1.32E-10	7.55E-10	9.01E-11	9.77E-10	1.20E-10	3.96E-10	2.73E-11	5.43E-10
5614	470153.14	3820149.14	1.39E-09	5.82E-09	5.25E-10	7.74E-09	1.16E-09	4.28E-09	3.76E-10	5.81E-09	1.31E-10	7.50E-10	8.95E-11	9.70E-10	1.19E-10	3.93E-10	2.71E-11	5.39E-10
5615	470162.84	3820149.28	1.38E-09	5.78E-09	5.20E-10	7.67E-09	1.15E-09	4.24E-09	3.73E-10	5.76E-09	1.30E-10	7.44E-10	8.87E-11	9.62E-10	1.18E-10	3.89E-10	2.68E-11	5.34E-10
5616	470172.53	3820149.41	1.36E-09	5.73E-09	5.16E-10	7.60E-09	1.14E-09	4.21E-09	3.70E-10	5.71E-09	1.29E-10	7.37E-10	8.79E-11	9.54E-10	1.17E-10	3.86E-10	2.66E-11	5.30E-10
5617	470182.23	3820149.55	1.35E-09	5.67E-09	5.11E-10	7.53E-09	1.12E-09	4.17E-09	3.67E-10	5.66E-09	1.28E-10	7.30E-10	8.71E-11	9.45E-10	1.16E-10	3.82E-10	2.64E-11	5.25E-10
5618	470191.93	3820149.68	1.34E-09	5.61E-09	5.06E-10	7.46E-09	1.11E-09	4.13E-09	3.63E-10	5.60E-09	1.26E-10	7.23E-10	8.62E-11	9.35E-10	1.15E-10	3.78E-10	2.61E-11	5.19E-10
5619	470201.63	3820149.82	1.32E-09	5.56E-09	5.00E-10	7.38E-09	1.10E-09	4.08E-09	3.59E-10	5.54E-09	1.25E-10	7.15E-10	8.53E-11	9.25E-10	1.14E-10	3.74E-10	2.58E-11	5.14E-10
5620	470211.32	3820149.95	1.31E-09	5.49E-09	4.95E-10	7.30E-09	1.09E-09	4.04E-09	3.55E-10	5.48E-09	1.24E-10	7.07E-10	8.44E-11	9.15E-10	1.12E-10	3.70E-10	2.55E-11	5.08E-10
5621	470221.02	3820150.09	1.29E-09	5.43E-09	4.89E-10	7.21E-09	1.08E-09	3.99E-09	3.51E-10	5.42E-09	1.22E-10	6.99E-10	8.34E-11	9.04E-10	1.11E-10	3.66E-10	2.52E-11	5.02E-10
5622	470230.72	3820150.22	1.28E-09	5.36E-09	4.83E-10	7.12E-09	1.06E-09	3.94E-09	3.47E-10	5.35E-09	1.21E-10	6.90E-10	8.24E-11	8.93E-10	1.10E-10	3.62E-10	2.49E-11	4.96E-10
5623	470240.41	3820150.36	1.26E-09	5.30E-09	4.77E-10	7.04E-09	1.05E-09	3.89E-09	3.43E-10	5.29E-09	1.19E-10	6.82E-10	8.14E-11	8.83E-10	1.08E-10	3.57E-10	2.46E-11	4.90E-10
5624	470250.11	3820150.49	1.25E-09	5.23E-09	4.71E-10	6.95E-09	1.04E-09	3.85E-09	3.38E-10	5.22E-09	1.18E-10	6.74E-10	8.04E-11	8.72E-10	1.07E-10	3.53E-10	2.43E-11	4.84E-10
5625	470259.81	3820150.63	1.23E-09	5.17E-09	4.65E-10	6.86E-09	1.03E-09	3.80E-09	3.34E-10	5.16E-09	1.16E-10	6.65E-10	7.94E-11	8.61E-10	1.06E-10	3.48E-10	2.40E-11	4.78E-10
5626	470049.49	3820209.15	1.25E-09	5.26E-09	4.74E-10	6.99E-09	1.04E-09	3.87E-09	3.40E-10	5.25E-09	1.18E-10	6.77E-10	8.08E-11	8.77E-10	1.08E-10	3.55E-10	2.45E-11	4.87E-10
5627	470040.62	3820205.31	1.26E-09	5.29E-09	4.76E-10	7.03E-09	1.05E-09	3.89E-09	3.42E-10	5.28E-09	1.19E-10	6.81E-10	8.13E-11	8.81E-10	1.08E-10	3.57E-10	2.46E-11	4.89E-10
5628	470031.75	3820201.47	1.27E-09	5.31E-09	4.79E-10	7.06E-09	1.05E-09	3.90E-09	3.44E-10	5.30E-09	1.20E-10	6.84E-10	8.16E-11	8.85E-10	1.09E-10	3.58E-10	2.47E-11	4.92E-10
5629	470022.88	3820197.64	1.27E-09	5.33E-09	4.80E-10	7.08E-09	1.06E-09	3.92E-09	3.45E-10	5.32E-09	1.20E-10	6.86E-10	8.19E-11	8.88E-10	1.09E-10	3.59E-10	2.48E-11	4.93E-10
5630	470014.01	3820193.8	1.27E-09	5.35E-09	4.81E-10	7.10E-09	1.06E-09	3.93E-09	3.46E-10	5.33E-09	1.20E-10	6.88E-10	8.21E-11	8.90E-10	1.09E-10	3.60E-10	2.48E-11	4.94E-10
5631	470005.14	3820189.97	1.27E-09	5.35E-09	4.82E-10	7.11E-09	1.06E-09	3.93E-09	3.46E-10	5.34E-09	1.20E-10	6.89E-10	8.22E-11	8.92E-10	1.09E-10	3.61E-10	2.49E-11	4.95E-10
5632	469996.27	3820186.13	1.28E-09	5.36E-09	4.82E-10	7.11E-09	1.06E-09	3.94E-09	3.46E-10	5.34E-09	1.20E-10	6.89E-10	8.23E-11	8.92E-10	1.09E-10	3.61E-10	2.49E-11	4.95E-10
5633	469987.4	3820182.29	1.27E-09	5.35E-09	4.82E-10	7.11E-09	1.06E-09	3.93E-09	3.46E-10	5.34E-09	1.20E-10	6.89E-10	8.22E-11	8.92E-10	1.09E-10	3.61E-10	2.49E-11	4.95E-10
5634	469978.53	3820178.46	1.27E-09	5.35E-09	4.81E-10	7.10E-09	1.06E-09	3.93E-09	3.46E-10	5.33E-09	1.20E-10	6.88E-10	8.21E-11	8.90E-10	1.09E-10	3.60E-10	2.48E-11	4.94E-10
5635	469969.66	3820174.62	1.27E-09	5.33E-09	4.80E-10	7.08E-09	1.06E-09	3.92E-09	3.45E-10	5.32E-09	1.20E-10	6.87E-10	8.19E-11	8.88E-10	1.09E-10	3.60E-10	2.48E-11	4.93E-10
5636	469960.79	3820170.79	1.27E-09	5.32E-09	4.79E-10	7.06E-09	1.05E-09	3.91E-09	3.44E-10	5.30E-09	1.20E-10	6.84E-10	8.17E-11	8.86E-10	1.09E-10	3.58E-10	2.47E-11	4.92E-10
5637	469951.92	3820166.95	1.26E-09	5.29E-09	4.77E-10	7.03E-09	1.05E-09	3.89E-09	3.42E-10	5.28E-09	1.19E-10	6.81E-10	8.13E-11	8.82E-10	1.08E-10	3.57E-10	2.46E-11	4.90E-10
5638	469943.05	3820163.12	1.25E-09	5.27E-09	4.74E-10	7.00E-09	1.04E-09	3.87E-09	3.40E-10	5.26E-09	1.18E-10	6.78E-10	8.09E-11	8.77E-10	1.08E-10	3.55E-10	2.45E-11	4.87E-10
5639	469934.17	3820159.28	1.25E-09	5.24E-09	4.72E-10	6.95E-09	1.04E-09	3.85E-09	3.38E-10	5.22E-09	1.18E-10	6.74E-10	8.04E-11	8.72E-10	1.07E-10	3.53E-10	2.43E-11	4.84E-10
5640	469925.3	3820155.44	1.24E-09	5.20E-09	4.68E-10	6.91E-09	1.03E-09	3.82E-09	3.36E-10	5.19E-09	1.17E-10	6.70E-10	7.99E-11	8.67E-10	1.06E-10	3.51E-10	2.42E-11	4.81E-10
5641	469916.43	3820151.61	1.23E-09	5.17E-09	4.65E-10	6.86E-09	1.02E-09	3.80E-09	3.34E-10	5.15E-09	1.16E-10	6.65E-10	7.93E-11	8.60E-10	1.06E-10	3.48E-10	2.40E-11	4.78E-10
5642	469907.56	3820147.77	1.22E-09	5.13E-09	4.62E-10	6.81E-09	1.02E-09	3.77E-09	3.31E-10	5.11E-09	1.15E-10	6.60E-10	7.87E-11	8.54E-10	1.05E-10	3.45E-10	2.38E-11	4.74E-10
5643	469898.69	3820143.94	1.21E-09	5.08E-09	4.58E-10	6.75E-09	1.01E-09	3.73E-09	3.29E-10	5.07E-09	1.14E-10	6.54E-10	7.81E-11	8.47E-10	1.04E-10	3.43E-10	2.36E-11	4.70E-10
5644	469889.82	3820140.1	1.20E-09	5.04E-09	4.54E-10	6.69E-09	9.99E-10	3.70E-09	3.26E-10	5.03E-09	1.13E-10	6.49E-10	7.74E-11	8.39E-10	1.03E-10	3.40E-10	2.34E-11	4.66E-10
5645	469880.95	3820136.27	1.19E-09	4.99E-09	4.50E-10	6.63E-09	9.90E-10	3.67E-09	3.23E-10	4.98E-09	1.12E-10	6.43E-10	7.67E-11	8.31E-10	1.02E-10	3.36E-10	2.32E-11	4.62E-10
5646	469872.08	3820132.43	1.18E-09	4.94E-09	4.45E-10	6.57E-09	9.81E-10	3.63E-09	3.20E-10	4.93E-09	1.11E-10	6.36E-10	7.59E-11	8.24E-10	1.01E-10	3.33E-10	2.30E-11	4.57E-10

5647	469863.21	3820128.59	1.17E-09	4.89E-09	4.41E-10	6.50E-09	9.70E-10	3.60E-09	3.16E-10	4.88E-09	1.10E-10	6.30E-10	7.52E-11	8.15E-10	1.00E-10	3.30E-10	2.27E-11	4.53E-10
5648	469854.34	3820124.76	1.15E-09	4.84E-09	4.36E-10	6.43E-09	9.60E-10	3.56E-09	3.13E-10	4.83E-09	1.09E-10	6.23E-10	7.43E-11	8.06E-10	9.89E-11	3.26E-10	2.25E-11	4.48E-10
5649	469845.47	3820120.92	1.14E-09	4.79E-09	4.31E-10	6.36E-09	9.49E-10	3.52E-09	3.09E-10	4.78E-09	1.08E-10	6.16E-10	7.35E-11	7.97E-10	9.78E-11	3.23E-10	2.22E-11	4.43E-10
5650	469836.6	3820117.09	1.13E-09	4.73E-09	4.26E-10	6.29E-09	9.39E-10	3.48E-09	3.06E-10	4.72E-09	1.06E-10	6.09E-10	7.27E-11	7.88E-10	9.67E-11	3.19E-10	2.20E-11	4.38E-10
5651	469827.73	3820113.25	1.11E-09	4.68E-09	4.21E-10	6.21E-09	9.28E-10	3.44E-09	3.02E-10	4.67E-09	1.05E-10	6.02E-10	7.18E-11	7.79E-10	9.56E-11	3.15E-10	2.17E-11	4.33E-10
5652	469818.86	3820109.41	1.10E-09	4.62E-09	4.16E-10	6.14E-09	9.17E-10	3.40E-09	2.99E-10	4.61E-09	1.04E-10	5.95E-10	7.10E-11	7.70E-10	9.45E-11	3.12E-10	2.15E-11	4.28E-10
5653	469809.99	3820105.58	1.09E-09	4.57E-09	4.11E-10	6.07E-09	9.06E-10	3.36E-09	2.95E-10	4.56E-09	1.03E-10	5.88E-10	7.02E-11	7.61E-10	9.34E-11	3.08E-10	2.12E-11	4.22E-10
5654	469801.12	3820101.74	1.07E-09	4.51E-09	4.06E-10	5.99E-09	8.95E-10	3.32E-09	2.92E-10	4.50E-09	1.01E-10	5.81E-10	6.93E-11	7.52E-10	9.23E-11	3.04E-10	2.10E-11	4.17E-10
5655	469792.25	3820097.91	1.06E-09	4.46E-09	4.01E-10	5.92E-09	8.84E-10	3.28E-09	2.88E-10	4.45E-09	1.00E-10	5.74E-10	6.85E-11	7.43E-10	9.11E-11	3.00E-10	2.07E-11	4.12E-10
5656	469783.38	3820094.07	1.05E-09	4.40E-09	3.97E-10	5.85E-09	8.74E-10	3.24E-09	2.85E-10	4.39E-09	9.90E-11	5.67E-10	6.76E-11	7.34E-10	9.00E-11	2.97E-10	2.05E-11	4.07E-10
5657	469774.51	3820090.24	1.04E-09	4.35E-09	3.92E-10	5.78E-09	8.63E-10	3.20E-09	2.81E-10	4.34E-09	9.78E-11	5.60E-10	6.68E-11	7.25E-10	8.89E-11	2.93E-10	2.02E-11	4.02E-10
5658	469765.64	3820086.4	1.02E-09	4.30E-09	3.87E-10	5.71E-09	8.52E-10	3.16E-09	2.78E-10	4.29E-09	9.66E-11	5.53E-10	6.60E-11	7.16E-10	8.78E-11	2.90E-10	2.00E-11	3.97E-10
5659	469756.77	3820082.56	1.01E-09	4.24E-09	3.82E-10	5.64E-09	8.42E-10	3.12E-09	2.74E-10	4.24E-09	9.54E-11	5.46E-10	6.52E-11	7.07E-10	8.68E-11	2.86E-10	1.97E-11	3.93E-10
5660	469747.9	3820078.73	9.98E-10	4.19E-09	3.78E-10	5.57E-09	8.31E-10	3.08E-09	2.71E-10	4.18E-09	9.43E-11	5.40E-10	6.44E-11	6.98E-10	8.57E-11	2.83E-10	1.95E-11	3.88E-10
5661	469739.03	3820074.89	9.86E-10	4.14E-09	3.73E-10	5.50E-09	8.21E-10	3.04E-09	2.68E-10	4.13E-09	9.31E-11	5.33E-10	6.36E-11	6.90E-10	8.46E-11	2.79E-10	1.92E-11	3.83E-10
5662	469730.16	3820071.06	9.73E-10	4.09E-09	3.68E-10	5.43E-09	8.11E-10	3.00E-09	2.64E-10	4.08E-09	9.19E-11	5.26E-10	6.28E-11	6.81E-10	8.36E-11	2.76E-10	1.90E-11	3.78E-10
5663	469721.28	3820067.22	9.61E-10	4.04E-09	3.64E-10	5.36E-09	8.01E-10	2.97E-09	2.61E-10	4.03E-09	9.08E-11	5.20E-10	6.20E-11	6.72E-10	8.25E-11	2.72E-10	1.88E-11	3.73E-10
5664	469712.41	3820063.38	9.49E-10	3.99E-09	3.59E-10	5.29E-09	7.90E-10	2.93E-09	2.58E-10	3.98E-09	8.96E-11	5.13E-10	6.12E-11	6.64E-10	8.15E-11	2.69E-10	1.85E-11	3.69E-10
5665	469588.23	3820009.68	7.75E-10	3.25E-09	2.93E-10	4.32E-09	6.46E-10	2.39E-09	2.10E-10	3.25E-09	7.32E-11	4.19E-10	5.00E-11	5.42E-10	6.65E-11	2.19E-10	1.51E-11	3.01E-10
5666	469579.36	3820005.85	7.62E-10	3.20E-09	2.88E-10	4.25E-09	6.35E-10	2.35E-09	2.07E-10	3.19E-09	7.20E-11	4.12E-10	4.91E-11	5.33E-10	6.54E-11	2.16E-10	1.49E-11	2.96E-10
5667	469570.49	3820002.01	7.49E-10	3.14E-09	2.83E-10	4.18E-09	6.24E-10	2.31E-09	2.03E-10	3.14E-09	7.07E-11	4.05E-10	4.83E-11	5.24E-10	6.43E-11	2.12E-10	1.46E-11	2.91E-10
5668	469561.62	3819998.18	7.36E-10	3.09E-09	2.78E-10	4.10E-09	6.13E-10	2.27E-09	2.00E-10	3.08E-09	6.95E-11	3.98E-10	4.74E-11	5.15E-10	6.31E-11	2.08E-10	1.44E-11	2.86E-10
5669	469552.75	3819994.34	7.22E-10	3.03E-09	2.73E-10	4.03E-09	6.01E-10	2.23E-09	1.96E-10	3.03E-09	6.82E-11	3.90E-10	4.66E-11	5.05E-10	6.20E-11	2.04E-10	1.41E-11	2.80E-10
5670	469540.34	3819981.51	7.05E-10	2.96E-09	2.67E-10	3.93E-09	5.88E-10	2.18E-09	1.91E-10	2.96E-09	6.66E-11	3.81E-10	4.55E-11	4.93E-10	6.06E-11	2.00E-10	1.38E-11	2.74E-10
5671	469536.81	3819972.51	7.02E-10	2.95E-09	2.65E-10	3.91E-09	5.84E-10	2.17E-09	1.90E-10	2.94E-09	6.63E-11	3.79E-10	4.53E-11	4.91E-10	6.02E-11	1.99E-10	1.37E-11	2.73E-10
5672	469533.28	3819963.52	6.98E-10	2.93E-09	2.64E-10	3.89E-09	5.81E-10	2.15E-09	1.89E-10	2.92E-09	6.59E-11	3.77E-10	4.50E-11	4.88E-10	5.99E-11	1.97E-10	1.36E-11	2.71E-10
5673	469529.75	3819954.52	6.93E-10	2.91E-09	2.62E-10	3.87E-09	5.77E-10	2.14E-09	1.88E-10	2.90E-09	6.54E-11	3.75E-10	4.47E-11	4.85E-10	5.95E-11	1.96E-10	1.35E-11	2.69E-10
5674	469526.21	3819945.53	6.88E-10	2.89E-09	2.60E-10	3.84E-09	5.73E-10	2.12E-09	1.87E-10	2.88E-09	6.50E-11	3.72E-10	4.44E-11	4.81E-10	5.90E-11	1.95E-10	1.34E-11	2.67E-10
5675	469522.68	3819936.53	6.82E-10	2.87E-09	2.58E-10	3.81E-09	5.68E-10	2.11E-09	1.85E-10	2.86E-09	6.44E-11	3.69E-10	4.40E-11	4.77E-10	5.86E-11	1.93E-10	1.33E-11	2.65E-10
5676	469519.15	3819927.54	6.76E-10	2.84E-09	2.56E-10	3.77E-09	5.63E-10	2.09E-09	1.84E-10	2.83E-09	6.38E-11	3.65E-10	4.36E-11	4.73E-10	5.80E-11	1.91E-10	1.32E-11	2.63E-10
5677	469515.62	3819918.54	6.69E-10	2.81E-09	2.53E-10	3.73E-09	5.58E-10	2.07E-09	1.82E-10	2.81E-09	6.32E-11	3.62E-10	4.32E-11	4.68E-10	5.75E-11	1.90E-10	1.31E-11	2.60E-10
5678	469512.08	3819909.55	6.62E-10	2.78E-09	2.51E-10	3.69E-09	5.52E-10	2.04E-09	1.80E-10	2.78E-09	6.26E-11	3.58E-10	4.27E-11	4.63E-10	5.69E-11	1.88E-10	1.29E-11	2.57E-10
5679	469508.55	3819900.55	6.55E-10	2.75E-09	2.48E-10	3.65E-09	5.46E-10	2.02E-09	1.78E-10	2.74E-09	6.18E-11	3.54E-10	4.22E-11	4.58E-10	5.62E-11	1.85E-10	1.28E-11	2.54E-10
5680	469505.02	3819891.55	6.47E-10	2.72E-09	2.45E-10	3.61E-09	5.39E-10	2.00E-09	1.76E-10	2.71E-09	6.11E-11	3.50E-10	4.17E-11	4.53E-10	5.55E-11	1.83E-10	1.26E-11	2.51E-10
5681	469501.49	3819882.56	6.38E-10	2.68E-09	2.41E-10	3.56E-09	5.32E-10	1.97E-09	1.73E-10	2.68E-09	6.03E-11	3.45E-10	4.12E-11	4.47E-10	5.48E-11	1.81E-10	1.25E-11	2.48E-10
5682	469497.95	3819873.56	6.30E-10	2.64E-09	2.38E-10	3.51E-09	5.24E-10	1.94E-09	1.71E-10	2.64E-09	5.94E-11	3.40E-10	4.06E-11	4.40E-10	5.40E-11	1.78E-10	1.23E-11	2.45E-10
5683	469494.42	3819864.57	6.20E-10	2.60E-09	2.35E-10	3.46E-09	5.17E-10	1.91E-09	1.68E-10	2.60E-09	5.86E-11	3.35E-10	4.00E-11	4.34E-10	5.32E-11	1.76E-10	1.21E-11	2.41E-10
5684	469490.89	3819855.57	6.10E-10	2.56E-09	2.31E-10	3.40E-09	5.08E-10	1.88E-09	1.66E-10	2.56E-09	5.76E-11	3.30E-10	3.94E-11	4.27E-10	5.24E-11	1.73E-10	1.19E-11	2.37E-10
5685	469487.36	3819846.58	6.00E-10	2.52E-09	2.27E-10	3.35E-09	5.00E-10	1.85E-09	1.63E-10	2.51E-09	5.67E-11	3.24E-10	3.87E-11	4.20E-10	5.15E-11	1.70E-10	1.17E-11	2.33E-10
5686	469444.96	3819738.63	4.55E-10	1.91E-09	1.72E-10	2.54E-09	3.79E-10	1.40E-09	1.23E-10	1.91E-09	4.30E-11	2.46E-10	2.93E-11	3.18E-10	3.91E-11	1.29E-10	8.88E-12	1.77E-10
5687	469441.43	3819729.64	4.42E-10	1.86E-09	1.67E-10	2.47E-09	3.68E-10	1.36E-09	1.20E-10	1.85E-09	4.17E-11	2.39E-10	2.85E-11	3.09E-10	3.79E-11	1.25E-10	8.62E-12	1.72E-10
5688	469437.9	3819720.64	4.29E-10	1.80E-09	1.62E-10	2.39E-09	3.57E-10	1.32E-09	1.16E-10	1.80E-09	4.05E-11	2.32E-10	2.77E-11	3.00E-10	3.68E-11	1.21E-10	8.37E-12	1.67E-10
5689	469434.37	3819711.64	4.16E-10	1.75E-09	1.57E-10	2.32E-09	3.47E-10	1.28E-09	1.13E-10	1.74E-09	3.93E-11	2.25E-10	2.68E-11	2.91E-10	3.57E-11	1.18E-10	8.12E-12	1.62E-10
5690	469430.83	3819702.65	4.03E-10	1.69E-09	1.52E-10	2.25E-09	3.36E-10	1.24E-09	1.09E-10	1.69E-09	3.81E-11	2.18E-10	2.60E-11	2.82E-10	3.46E-11	1.14E-10	7.87E-12	1.57E-10
5691	469427.3	3819693.65	3.90E-10	1.64E-09	1.48E-10	2.18E-09	3.25E-10	1.20E-09	1.06E-10	1.63E-09	3.68E-11	2.11E-10	2.52E-11	2.73E-10	3.35E-11	1.10E-10	7.61E-12	1.52E-10
5692	469423.77	3819684.66	3.77E-10	1.58E-09	1.43E-10	2.10E-09	3.14E-10	1.16E-09	1.02E-10	1.58E-09	3.56E-11	2.04E-10	2.43E-11	2.64E-10	3.24E-11	1.07E-10	7.36E-12	1.46E-10
5693	469420.24	3819675.66	3.64E-10	1.53E-09	1.38E-10	2.03E-09	3.03E-10	1.12E-09	9.88E-11	1.53E-09	3.44E-11	1.97E-10	2.35E-11	2.55E-10	3.13E-11	1.03E-10	7.10E-12	1.41E-10
5694	469416.7	3819666.67	3.52E-10	1.48E-09	1.33E-10	1.96E-09	2.93E-10	1.09E-09	9.55E-11	1.47E-09	3.32E-11	1.90E-10	2.27E-11	2.46E-10	3.02E-11	9.96E-11	6.86E-12	1.37E-10
5695	469413.17	3819657.67	3.40E-10	1.43E-09	1.28E-10	1.90E-09	2.83E-10	1.05E-09	9.22E-11	1.42E-09	3.21E-11	1.84E-10	2.19E-11	2.38E-10	2.92E-11	9.62E-11	6.63E-12	1.32E-10
5696	469409.64	3819648.68	3.28E-10	1.38E-09	1.24E-10	1.83E-09	2.73E-10	1.01E-09	8.90E-11	1.37E-09	3.10E-11	1.77E-10	2.12E-11	2.29E-10	2.82E-11	9.28E-11	6.40E-12	1.27E-10

5697	469406.11	3819639.68	3.16E-10	1.33E-09	1.20E-10	1.77E-09	2.64E-10	9.76E-10	8.59E-11	1.33E-09	2.99E-11	1.71E-10	2.04E-11	2.21E-10	2.72E-11	8.96E-11	6.17E-12	1.23E-10
5698	469402.57	3819630.69	3.05E-10	1.28E-09	1.15E-10	1.70E-09	2.54E-10	9.42E-10	8.28E-11	1.28E-09	2.88E-11	1.65E-10	1.97E-11	2.13E-10	2.62E-11	8.64E-11	5.96E-12	1.19E-10
5699	469399.04	3819621.69	2.94E-10	1.24E-09	1.11E-10	1.64E-09	2.45E-10	9.08E-10	7.99E-11	1.23E-09	2.78E-11	1.59E-10	1.90E-11	2.06E-10	2.53E-11	8.33E-11	5.74E-12	1.14E-10
5700	469395.51	3819612.69	2.84E-10	1.19E-09	1.07E-10	1.58E-09	2.36E-10	8.75E-10	7.70E-11	1.19E-09	2.68E-11	1.53E-10	1.83E-11	1.98E-10	2.43E-11	8.03E-11	5.53E-12	1.10E-10
5701	469391.98	3819603.7	2.73E-10	1.15E-09	1.03E-10	1.52E-09	2.27E-10	8.42E-10	7.41E-11	1.14E-09	2.58E-11	1.48E-10	1.76E-11	1.91E-10	2.34E-11	7.72E-11	5.32E-12	1.06E-10
5702	469388.44	3819594.7	2.63E-10	1.10E-09	9.93E-11	1.46E-09	2.19E-10	8.10E-10	7.13E-11	1.10E-09	2.48E-11	1.42E-10	1.69E-11	1.84E-10	2.25E-11	7.43E-11	5.12E-12	1.02E-10
5703	469384.91	3819585.71	2.53E-10	1.06E-09	9.55E-11	1.41E-09	2.10E-10	7.80E-10	6.86E-11	1.06E-09	2.39E-11	1.37E-10	1.63E-11	1.77E-10	2.17E-11	7.15E-11	4.93E-12	9.81E-11
5704	469381.38	3819576.71	2.43E-10	1.02E-09	9.20E-11	1.36E-09	2.03E-10	7.51E-10	6.61E-11	1.02E-09	2.30E-11	1.32E-10	1.57E-11	1.70E-10	2.09E-11	6.89E-11	4.75E-12	9.45E-11
5705	469377.85	3819567.72	2.34E-10	9.85E-10	8.87E-11	1.31E-09	1.95E-10	7.24E-10	6.37E-11	9.83E-10	2.21E-11	1.27E-10	1.51E-11	1.64E-10	2.01E-11	6.64E-11	4.58E-12	9.11E-11
5706	469374.31	3819558.72	2.26E-10	9.49E-10	8.54E-11	1.26E-09	1.88E-10	6.97E-10	6.13E-11	9.47E-10	2.13E-11	1.22E-10	1.46E-11	1.58E-10	1.94E-11	6.39E-11	4.41E-12	8.77E-11
5707	469370.78	3819549.73	2.18E-10	9.14E-10	8.23E-11	1.21E-09	1.81E-10	6.72E-10	5.91E-11	9.12E-10	2.06E-11	1.18E-10	1.40E-11	1.52E-10	1.87E-11	6.16E-11	4.25E-12	8.46E-11
5708	469367.25	3819540.73	2.10E-10	8.81E-10	7.94E-11	1.17E-09	1.75E-10	6.47E-10	5.70E-11	8.79E-10	1.98E-11	1.13E-10	1.35E-11	1.47E-10	1.80E-11	5.94E-11	4.09E-12	8.15E-11
5709	469363.71	3819531.74	2.02E-10	8.50E-10	7.65E-11	1.13E-09	1.69E-10	6.24E-10	5.49E-11	8.48E-10	1.91E-11	1.09E-10	1.31E-11	1.42E-10	1.74E-11	5.73E-11	3.95E-12	7.86E-11
5710	469360.18	3819522.74	1.95E-10	8.20E-10	7.38E-11	1.09E-09	1.63E-10	6.02E-10	5.30E-11	8.18E-10	1.84E-11	1.06E-10	1.26E-11	1.37E-10	1.68E-11	5.53E-11	3.81E-12	7.58E-11
5711	469356.65	3819513.74	1.88E-10	7.91E-10	7.12E-11	1.05E-09	1.57E-10	5.81E-10	5.11E-11	7.89E-10	1.78E-11	1.02E-10	1.22E-11	1.32E-10	1.62E-11	5.33E-11	3.68E-12	7.32E-11
5712	469353.12	3819504.75	1.82E-10	7.64E-10	6.88E-11	1.01E-09	1.51E-10	5.61E-10	4.94E-11	7.62E-10	1.72E-11	9.83E-11	1.17E-11	1.27E-10	1.56E-11	5.15E-11	3.55E-12	7.06E-11
5713	469349.58	3819495.75	1.76E-10	7.38E-10	6.65E-11	9.80E-10	1.46E-10	5.42E-10	4.77E-11	7.36E-10	1.66E-11	9.50E-11	1.13E-11	1.23E-10	1.51E-11	4.97E-11	3.43E-12	6.82E-11
5714	469346.05	3819486.76	1.70E-10	7.13E-10	6.42E-11	9.47E-10	1.41E-10	5.24E-10	4.61E-11	7.12E-10	1.60E-11	9.18E-11	1.10E-11	1.19E-10	1.46E-11	4.81E-11	3.31E-12	6.60E-11
5715	469342.52	3819477.76	1.64E-10	6.90E-10	6.21E-11	9.16E-10	1.37E-10	5.07E-10	4.46E-11	6.88E-10	1.55E-11	8.88E-11	1.06E-11	1.15E-10	1.41E-11	4.65E-11	3.20E-12	6.38E-11
5716	469338.99	3819468.77	1.59E-10	6.67E-10	6.01E-11	8.86E-10	1.32E-10	4.90E-10	4.31E-11	6.66E-10	1.50E-11	8.59E-11	1.03E-11	1.11E-10	1.36E-11	4.50E-11	3.10E-12	6.17E-11
5717	469335.45	3819459.77	1.54E-10	6.46E-10	5.82E-11	8.58E-10	1.28E-10	4.75E-10	4.17E-11	6.44E-10	1.45E-11	8.31E-11	9.92E-12	1.08E-10	1.32E-11	4.35E-11	3.00E-12	5.97E-11
5718	469331.92	3819450.78	1.49E-10	6.25E-10	5.63E-11	8.30E-10	1.24E-10	4.59E-10	4.04E-11	6.23E-10	1.40E-11	8.04E-11	9.59E-12	1.04E-10	1.28E-11	4.21E-11	2.90E-12	5.78E-11
5719	469328.39	3819441.78	1.44E-10	6.05E-10	5.45E-11	8.03E-10	1.20E-10	4.44E-10	3.91E-11	6.03E-10	1.36E-11	7.79E-11	9.29E-12	1.01E-10	1.24E-11	4.08E-11	2.81E-12	5.59E-11
5720	470093.84	3820228.32	1.20E-09	5.05E-09	4.55E-10	6.71E-09	1.00E-09	3.71E-09	3.27E-10	5.04E-09	1.14E-10	6.51E-10	7.76E-11	8.42E-10	1.03E-10	3.41E-10	2.35E-11	4.67E-10
5721	470103.54	3820228.46	1.20E-09	5.04E-09	4.54E-10	6.69E-09	9.99E-10	3.70E-09	3.26E-10	5.03E-09	1.13E-10	6.48E-10	7.74E-11	8.39E-10	1.03E-10	3.40E-10	2.34E-11	4.66E-10
5722	470113.24	3820228.59	1.19E-09	5.02E-09	4.52E-10	6.66E-09	9.95E-10	3.69E-09	3.24E-10	5.00E-09	1.13E-10	6.46E-10	7.70E-11	8.35E-10	1.03E-10	3.38E-10	2.33E-11	4.64E-10
5723	470122.93	3820228.73	1.19E-09	4.99E-09	4.49E-10	6.63E-09	9.90E-10	3.67E-09	3.23E-10	4.98E-09	1.12E-10	6.42E-10	7.66E-11	8.31E-10	1.02E-10	3.36E-10	2.32E-11	4.62E-10
5724	470132.63	3820228.86	1.18E-09	4.96E-09	4.47E-10	6.59E-09	9.84E-10	3.65E-09	3.21E-10	4.95E-09	1.12E-10	6.39E-10	7.62E-11	8.26E-10	1.01E-10	3.34E-10	2.30E-11	4.59E-10
5725	470142.33	3820229	1.17E-09	4.93E-09	4.44E-10	6.54E-09	9.77E-10	3.62E-09	3.18E-10	4.92E-09	1.11E-10	6.34E-10	7.57E-11	8.21E-10	1.01E-10	3.32E-10	2.29E-11	4.56E-10
5726	470152.03	3820229.13	1.16E-09	4.89E-09	4.40E-10	6.49E-09	9.70E-10	3.59E-09	3.16E-10	4.88E-09	1.10E-10	6.29E-10	7.51E-11	8.14E-10	1.00E-10	3.30E-10	2.27E-11	4.52E-10
5727	470161.72	3820229.27	1.15E-09	4.85E-09	4.37E-10	6.44E-09	9.62E-10	3.56E-09	3.13E-10	4.84E-09	1.09E-10	6.24E-10	7.45E-11	8.08E-10	9.91E-11	3.27E-10	2.25E-11	4.48E-10
5728	470171.42	3820229.4	1.14E-09	4.81E-09	4.33E-10	6.38E-09	9.53E-10	3.53E-09	3.11E-10	4.79E-09	1.08E-10	6.19E-10	7.38E-11	8.00E-10	9.82E-11	3.24E-10	2.23E-11	4.44E-10
5729	470181.12	3820229.54	1.13E-09	4.76E-09	4.29E-10	6.32E-09	9.44E-10	3.50E-09	3.08E-10	4.75E-09	1.07E-10	6.13E-10	7.31E-11	7.93E-10	9.73E-11	3.21E-10	2.21E-11	4.40E-10
5730	470190.81	3820229.67	1.12E-09	4.71E-09	4.24E-10	6.26E-09	9.34E-10	3.46E-09	3.05E-10	4.70E-09	1.06E-10	6.07E-10	7.24E-11	7.85E-10	9.63E-11	3.18E-10	2.19E-11	4.36E-10
5731	470200.51	3820229.81	1.11E-09	4.66E-09	4.20E-10	6.19E-09	9.25E-10	3.43E-09	3.01E-10	4.65E-09	1.05E-10	6.00E-10	7.16E-11	7.77E-10	9.53E-11	3.14E-10	2.17E-11	4.31E-10
5732	470210.21	3820229.94	1.10E-09	4.61E-09	4.15E-10	6.13E-09	9.15E-10	3.39E-09	2.98E-10	4.60E-09	1.04E-10	5.94E-10	7.08E-11	7.68E-10	9.43E-11	3.11E-10	2.14E-11	4.27E-10
5733	470219.91	3820230.08	1.09E-09	4.56E-09	4.11E-10	6.06E-09	9.04E-10	3.35E-09	2.95E-10	4.55E-09	1.03E-10	5.87E-10	7.00E-11	7.60E-10	9.32E-11	3.07E-10	2.12E-11	4.22E-10
5734	470229.6	3820230.21	1.07E-09	4.51E-09	4.06E-10	5.99E-09	8.94E-10	3.31E-09	2.91E-10	4.50E-09	1.01E-10	5.80E-10	6.92E-11	7.51E-10	9.21E-11	3.04E-10	2.09E-11	4.17E-10
5735	470239.3	3820230.35	1.06E-09	4.46E-09	4.01E-10	5.92E-09	8.84E-10	3.27E-09	2.88E-10	4.45E-09	1.00E-10	5.74E-10	6.84E-11	7.42E-10	9.11E-11	3.00E-10	2.07E-11	4.12E-10
5736	470249	3820230.48	1.05E-09	4.40E-09	3.97E-10	5.85E-09	8.74E-10	3.24E-09	2.85E-10	4.39E-09	9.90E-11	5.67E-10	6.76E-11	7.34E-10	9.00E-11	2.97E-10	2.05E-11	4.07E-10
5737	470258.7	3820230.62	1.04E-09	4.35E-09	3.92E-10	5.78E-09	8.63E-10	3.20E-09	2.81E-10	4.34E-09	9.79E-11	5.60E-10	6.69E-11	7.25E-10	8.90E-11	2.93E-10	2.02E-11	4.03E-10
5738	470268.39	3820230.75	1.02E-09	4.30E-09	3.87E-10	5.71E-09	8.53E-10	3.16E-09	2.78E-10	4.29E-09	9.67E-11	5.54E-10	6.61E-11	7.16E-10	8.79E-11	2.90E-10	2.00E-11	3.98E-10
5739	470083.94	3820304.52	1.04E-09	4.36E-09	3.93E-10	5.79E-09	8.65E-10	3.21E-09	2.82E-10	4.35E-09	9.81E-11	5.61E-10	6.70E-11	7.27E-10	8.92E-11	2.94E-10	2.03E-11	4.03E-10
5740	470075.15	3820300.72	1.05E-09	4.40E-09	3.96E-10	5.85E-09	8.73E-10	3.23E-09	2.85E-10	4.39E-09	9.90E-11	5.67E-10	6.76E-11	7.33E-10	9.00E-11	2.97E-10	2.05E-11	4.07E-10
5741	470066.36	3820296.92	1.06E-09	4.44E-09	4.00E-10	5.89E-09	8.80E-10	3.26E-09	2.87E-10	4.43E-09	9.98E-11	5.71E-10	6.82E-11	7.39E-10	9.07E-11	2.99E-10	2.06E-11	4.10E-10
5742	470057.58	3820293.12	1.06E-09	4.47E-09	4.03E-10	5.94E-09	8.87E-10	3.29E-09	2.89E-10	4.46E-09	1.01E-10	5.76E-10	6.87E-11	7.45E-10	9.14E-11	3.01E-10	2.08E-11	4.14E-10
5743	470048.79	3820289.32	1.07E-09	4.50E-09	4.05E-10	5.98E-09	8.93E-10	3.31E-09	2.91E-10	4.49E-09	1.01E-10	5.80E-10	6.92E-11	7.50E-10	9.20E-11	3.03E-10	2.09E-11	4.16E-10
5744	470040	3820285.52	1.08E-09	4.53E-09	4.08E-10	6.02E-09	8.98E-10	3.33E-09	2.93E-10	4.52E-09	1.02E-10	5.83E-10	6.96E-11	7.54E-10	9.26E-11	3.05E-10	2.10E-11	4.19E-10
5745	470031.21	3820281.72	1.08E-09	4.55E-09	4.10E-10	6.05E-09	9.03E-10	3.35E-09	2.94E-10	4.54E-09	1.02E-10	5.86E-10	6.99E-11	7.58E-10	9.31E-11	3.07E-10	2.12E-11	4.21E-10
5746	470022.42	3820277.92	1.09E-09	4.57E-09	4.12E-10	6.07E-09	9.07E-10	3.36E-09	2.96E-10	4.56E-09	1.03E-10	5.88E-10	7.02E-11	7.61E-10	9.35E-11	3.08E-10	2.12E-11	4.23E-10

5747	470013.64	3820274.12	1.09E-09	4.59E-09	4.13E-10	6.09E-09	9.10E-10	3.37E-09	2.97E-10	4.58E-09	1.03E-10	5.91E-10	7.05E-11	7.64E-10	9.38E-11	3.09E-10	2.13E-11	4.24E-10
5748	470004.85	3820270.31	1.10E-09	4.60E-09	4.14E-10	6.11E-09	9.12E-10	3.38E-09	2.97E-10	4.59E-09	1.03E-10	5.92E-10	7.07E-11	7.66E-10	9.40E-11	3.10E-10	2.14E-11	4.26E-10
5749	469996.06	3820266.51	1.10E-09	4.61E-09	4.15E-10	6.12E-09	9.14E-10	3.39E-09	2.98E-10	4.60E-09	1.04E-10	5.93E-10	7.08E-11	7.68E-10	9.42E-11	3.11E-10	2.14E-11	4.26E-10
5750	469952.12	3820247.51	1.09E-09	4.59E-09	4.14E-10	6.10E-09	9.11E-10	3.37E-09	2.97E-10	4.58E-09	1.03E-10	5.91E-10	7.05E-11	7.65E-10	9.39E-11	3.10E-10	2.13E-11	4.25E-10
5751	469943.33	3820243.71	1.09E-09	4.58E-09	4.12E-10	6.08E-09	9.08E-10	3.36E-09	2.96E-10	4.57E-09	1.03E-10	5.89E-10	7.03E-11	7.63E-10	9.36E-11	3.09E-10	2.13E-11	4.23E-10
5752	469934.54	3820239.91	1.09E-09	4.56E-09	4.11E-10	6.06E-09	9.05E-10	3.35E-09	2.95E-10	4.55E-09	1.03E-10	5.87E-10	7.01E-11	7.60E-10	9.32E-11	3.07E-10	2.12E-11	4.22E-10
5753	469925.76	3820236.11	1.08E-09	4.54E-09	4.09E-10	6.03E-09	9.01E-10	3.34E-09	2.94E-10	4.53E-09	1.02E-10	5.85E-10	6.97E-11	7.56E-10	9.28E-11	3.06E-10	2.11E-11	4.20E-10
5754	469916.97	3820232.31	1.08E-09	4.52E-09	4.07E-10	6.00E-09	8.96E-10	3.32E-09	2.92E-10	4.51E-09	1.02E-10	5.81E-10	6.94E-11	7.52E-10	9.23E-11	3.04E-10	2.10E-11	4.18E-10
5755	469908.18	3820228.51	1.07E-09	4.49E-09	4.04E-10	5.96E-09	8.91E-10	3.30E-09	2.90E-10	4.48E-09	1.01E-10	5.78E-10	6.90E-11	7.48E-10	9.18E-11	3.03E-10	2.09E-11	4.15E-10
5756	469899.39	3820224.71	1.06E-09	4.46E-09	4.02E-10	5.92E-09	8.85E-10	3.28E-09	2.88E-10	4.45E-09	1.00E-10	5.74E-10	6.85E-11	7.43E-10	9.12E-11	3.01E-10	2.07E-11	4.13E-10
5757	469890.6	3820220.91	1.05E-09	4.43E-09	3.99E-10	5.88E-09	8.79E-10	3.26E-09	2.86E-10	4.42E-09	9.96E-11	5.70E-10	6.80E-11	7.38E-10	9.06E-11	2.99E-10	2.06E-11	4.10E-10
5758	469881.82	3820217.11	1.05E-09	4.40E-09	3.96E-10	5.84E-09	8.72E-10	3.23E-09	2.84E-10	4.39E-09	9.89E-11	5.66E-10	6.75E-11	7.32E-10	8.99E-11	2.96E-10	2.04E-11	4.07E-10
5759	469873.03	3820213.31	1.04E-09	4.36E-09	3.93E-10	5.79E-09	8.65E-10	3.21E-09	2.82E-10	4.35E-09	9.81E-11	5.62E-10	6.70E-11	7.27E-10	8.92E-11	2.94E-10	2.03E-11	4.04E-10
5760	469864.24	3820209.51	1.03E-09	4.33E-09	3.90E-10	5.74E-09	8.58E-10	3.18E-09	2.80E-10	4.32E-09	9.73E-11	5.57E-10	6.64E-11	7.21E-10	8.84E-11	2.92E-10	2.01E-11	4.00E-10
5761	469855.45	3820205.71	1.02E-09	4.29E-09	3.86E-10	5.69E-09	8.50E-10	3.15E-09	2.77E-10	4.28E-09	9.64E-11	5.52E-10	6.58E-11	7.14E-10	8.76E-11	2.89E-10	1.99E-11	3.96E-10
5762	469846.66	3820201.91	1.01E-09	4.25E-09	3.82E-10	5.64E-09	8.42E-10	3.12E-09	2.74E-10	4.24E-09	9.55E-11	5.47E-10	6.52E-11	7.07E-10	8.68E-11	2.86E-10	1.97E-11	3.93E-10
5763	469837.88	3820198.11	1.00E-09	4.21E-09	3.79E-10	5.59E-09	8.34E-10	3.09E-09	2.72E-10	4.20E-09	9.46E-11	5.41E-10	6.46E-11	7.00E-10	8.60E-11	2.83E-10	1.95E-11	3.89E-10
5764	469829.09	3820194.31	9.91E-10	4.16E-09	3.75E-10	5.53E-09	8.26E-10	3.06E-09	2.69E-10	4.15E-09	9.36E-11	5.36E-10	6.39E-11	6.93E-10	8.51E-11	2.81E-10	1.93E-11	3.85E-10
5765	469820.3	3820190.51	9.81E-10	4.12E-09	3.71E-10	5.47E-09	8.17E-10	3.03E-09	2.66E-10	4.11E-09	9.26E-11	5.30E-10	6.33E-11	6.86E-10	8.42E-11	2.78E-10	1.91E-11	3.81E-10
5766	469811.51	3820186.71	9.71E-10	4.08E-09	3.67E-10	5.41E-09	8.09E-10	3.00E-09	2.64E-10	4.07E-09	9.17E-11	5.25E-10	6.26E-11	6.79E-10	8.33E-11	2.75E-10	1.89E-11	3.77E-10
5767	469802.72	3820182.91	9.61E-10	4.03E-09	3.63E-10	5.36E-09	8.00E-10	2.96E-09	2.61E-10	4.02E-09	9.07E-11	5.19E-10	6.20E-11	6.72E-10	8.25E-11	2.72E-10	1.87E-11	3.73E-10
5768	469793.94	3820179.11	9.50E-10	3.99E-09	3.59E-10	5.30E-09	7.92E-10	2.93E-09	2.58E-10	3.98E-09	8.97E-11	5.14E-10	6.13E-11	6.65E-10	8.16E-11	2.69E-10	1.85E-11	3.69E-10
5769	469785.15	3820175.31	9.40E-10	3.95E-09	3.55E-10	5.24E-09	7.83E-10	2.90E-09	2.55E-10	3.94E-09	8.88E-11	5.08E-10	6.06E-11	6.57E-10	8.07E-11	2.66E-10	1.83E-11	3.65E-10
5770	469776.36	3820171.51	9.30E-10	3.90E-09	3.52E-10	5.18E-09	7.74E-10	2.87E-09	2.52E-10	3.89E-09	8.78E-11	5.02E-10	6.00E-11	6.50E-10	7.98E-11	2.63E-10	1.81E-11	3.61E-10
5771	469767.57	3820167.71	9.19E-10	3.86E-09	3.48E-10	5.13E-09	7.66E-10	2.84E-09	2.50E-10	3.85E-09	8.68E-11	4.97E-10	5.93E-11	6.43E-10	7.89E-11	2.60E-10	1.79E-11	3.57E-10
5772	469758.78	3820163.91	9.09E-10	3.82E-09	3.44E-10	5.07E-09	7.57E-10	2.81E-09	2.47E-10	3.81E-09	8.58E-11	4.91E-10	5.86E-11	6.36E-10	7.80E-11	2.57E-10	1.77E-11	3.53E-10
5773	469750	3820160.11	8.99E-10	3.78E-09	3.40E-10	5.01E-09	7.49E-10	2.77E-09	2.44E-10	3.77E-09	8.49E-11	4.86E-10	5.80E-11	6.29E-10	7.72E-11	2.54E-10	1.75E-11	3.49E-10
5774	469741.21	3820156.31	8.89E-10	3.73E-09	3.36E-10	4.96E-09	7.40E-10	2.74E-09	2.41E-10	3.72E-09	8.39E-11	4.80E-10	5.73E-11	6.22E-10	7.63E-11	2.52E-10	1.73E-11	3.45E-10
5775	469732.42	3820152.51	8.79E-10	3.69E-09	3.32E-10	4.90E-09	7.32E-10	2.71E-09	2.39E-10	3.68E-09	8.30E-11	4.75E-10	5.67E-11	6.15E-10	7.54E-11	2.49E-10	1.71E-11	3.41E-10
5776	469723.63	3820148.71	8.69E-10	3.65E-09	3.29E-10	4.85E-09	7.24E-10	2.68E-09	2.36E-10	3.64E-09	8.20E-11	4.70E-10	5.60E-11	6.08E-10	7.46E-11	2.46E-10	1.70E-11	3.37E-10
5777	469714.84	3820144.91	8.59E-10	3.61E-09	3.25E-10	4.79E-09	7.16E-10	2.65E-09	2.33E-10	3.60E-09	8.11E-11	4.64E-10	5.54E-11	6.01E-10	7.37E-11	2.43E-10	1.68E-11	3.34E-10
5778	469706.06	3820141.11	8.49E-10	3.57E-09	3.21E-10	4.74E-09	7.07E-10	2.62E-09	2.31E-10	3.56E-09	8.02E-11	4.59E-10	5.48E-11	5.94E-10	7.29E-11	2.40E-10	1.66E-11	3.30E-10
5779	469521.51	3820061.31	6.49E-10	2.73E-09	2.46E-10	3.62E-09	5.41E-10	2.00E-09	1.76E-10	2.72E-09	6.13E-11	3.51E-10	4.19E-11	4.54E-10	5.57E-11	1.84E-10	1.27E-11	2.52E-10
5780	469512.72	3820057.51	6.39E-10	2.68E-09	2.42E-10	3.56E-09	5.32E-10	1.97E-09	1.73E-10	2.68E-09	6.03E-11	3.45E-10	4.12E-11	4.47E-10	5.48E-11	1.81E-10	1.25E-11	2.48E-10
5781	469503.93	3820053.71	6.29E-10	2.64E-09	2.38E-10	3.51E-09	5.24E-10	1.94E-09	1.71E-10	2.63E-09	5.94E-11	3.40E-10	4.05E-11	4.40E-10	5.40E-11	1.78E-10	1.23E-11	2.44E-10
5782	469495.14	3820049.91	6.18E-10	2.60E-09	2.34E-10	3.45E-09	5.15E-10	1.91E-09	1.68E-10	2.59E-09	5.84E-11	3.34E-10	3.99E-11	4.32E-10	5.31E-11	1.75E-10	1.21E-11	2.40E-10
5783	469482.86	3820037.19	6.05E-10	2.54E-09	2.29E-10	3.38E-09	5.04E-10	1.87E-09	1.64E-10	2.54E-09	5.71E-11	3.27E-10	3.90E-11	4.23E-10	5.20E-11	1.71E-10	1.18E-11	2.35E-10
5784	469472.36	3820010.46	5.95E-10	2.50E-09	2.25E-10	3.32E-09	4.96E-10	1.84E-09	1.62E-10	2.49E-09	5.62E-11	3.22E-10	3.84E-11	4.17E-10	5.11E-11	1.69E-10	1.16E-11	2.31E-10
5785	469468.86	3820001.55	5.91E-10	2.48E-09	2.24E-10	3.30E-09	4.93E-10	1.82E-09	1.61E-10	2.48E-09	5.58E-11	3.20E-10	3.81E-11	4.14E-10	5.08E-11	1.67E-10	1.15E-11	2.30E-10
5786	469465.36	3819992.63	5.87E-10	2.47E-09	2.22E-10	3.27E-09	4.89E-10	1.81E-09	1.59E-10	2.46E-09	5.54E-11	3.17E-10	3.79E-11	4.11E-10	5.04E-11	1.66E-10	1.15E-11	2.28E-10
5787	469461.86	3819983.72	5.82E-10	2.45E-09	2.20E-10	3.25E-09	4.85E-10	1.80E-09	1.58E-10	2.44E-09	5.50E-11	3.15E-10	3.76E-11	4.07E-10	5.00E-11	1.65E-10	1.14E-11	2.26E-10
5788	469458.36	3819974.81	5.77E-10	2.42E-09	2.18E-10	3.22E-09	4.81E-10	1.78E-09	1.57E-10	2.42E-09	5.45E-11	3.12E-10	3.72E-11	4.04E-10	4.96E-11	1.63E-10	1.13E-11	2.24E-10
5789	469454.86	3819965.9	5.72E-10	2.40E-09	2.16E-10	3.19E-09	4.76E-10	1.76E-09	1.55E-10	2.40E-09	5.40E-11	3.09E-10	3.69E-11	4.00E-10	4.91E-11	1.62E-10	1.12E-11	2.22E-10
5790	469398.86	3819823.31	4.43E-10	1.86E-09	1.68E-10	2.47E-09	3.69E-10	1.37E-09	1.20E-10	1.86E-09	4.19E-11	2.40E-10	2.86E-11	3.10E-10	3.81E-11	1.25E-10	8.65E-12	1.72E-10
5791	469395.36	3819814.4	4.33E-10	1.82E-09	1.64E-10	2.42E-09	3.61E-10	1.34E-09	1.18E-10	1.82E-09	4.09E-11	2.34E-10	2.79E-11	3.03E-10	3.72E-11	1.23E-10	8.45E-12	1.68E-10
5792	469391.86	3819805.48	4.23E-10	1.78E-09	1.60E-10	2.36E-09	3.52E-10	1.31E-09	1.15E-10	1.77E-09	4.00E-11	2.29E-10	2.73E-11	2.96E-10	3.63E-11	1.20E-10	8.26E-12	1.64E-10
5793	469388.36	3819796.57	4.13E-10	1.73E-09	1.56E-10	2.30E-09	3.44E-10	1.27E-09	1.12E-10	1.73E-09	3.90E-11	2.23E-10	2.66E-11	2.89E-10	3.54E-11	1.17E-10	8.05E-12	1.60E-10
5794	469384.86	3819787.66	4.02E-10	1.69E-09	1.52E-10	2.24E-09	3.35E-10	1.24E-09	1.09E-10	1.69E-09	3.80E-11	2.18E-10	2.60E-11	2.81E-10	3.45E-11	1.14E-10	7.85E-12	1.56E-10
5795	469381.36	3819778.75	3.92E-10	1.65E-09	1.48E-10	2.19E-09	3.27E-10	1.21E-09	1.06E-10	1.64E-09	3.70E-11	2.12E-10	2.53E-11	2.74E-10	3.37E-11	1.11E-10	7.65E-12	1.52E-10
5796	469377.86	3819769.84	3.82E-10	1.60E-09	1.44E-10	2.13E-09	3.18E-10	1.18E-09	1.04E-10	1.60E-09	3.60E-11	2.06E-10	2.46E-11	2.67E-10	3.28E-11	1.08E-10	7.45E-12	1.48E-10

5797	469374.36	3819760.92	3.71E-10	1.56E-09	1.40E-10	2.07E-09	3.09E-10	1.15E-09	1.01E-10	1.56E-09	3.51E-11	2.01E-10	2.40E-11	2.60E-10	3.19E-11	1.05E-10	7.25E-12	1.44E-10
5798	469370.86	3819752.01	3.61E-10	1.52E-09	1.37E-10	2.01E-09	3.01E-10	1.11E-09	9.80E-11	1.51E-09	3.41E-11	1.95E-10	2.33E-11	2.53E-10	3.10E-11	1.02E-10	7.05E-12	1.40E-10
5799	469367.36	3819743.1	3.51E-10	1.47E-09	1.33E-10	1.96E-09	2.92E-10	1.08E-09	9.53E-11	1.47E-09	3.31E-11	1.90E-10	2.26E-11	2.45E-10	3.01E-11	9.93E-11	6.85E-12	1.36E-10
5800	469363.86	3819734.19	3.41E-10	1.43E-09	1.29E-10	1.90E-09	2.84E-10	1.05E-09	9.25E-11	1.43E-09	3.22E-11	1.84E-10	2.20E-11	2.38E-10	2.93E-11	9.64E-11	6.65E-12	1.32E-10
5801	469360.36	3819725.28	3.31E-10	1.39E-09	1.25E-10	1.84E-09	2.75E-10	1.02E-09	8.98E-11	1.39E-09	3.12E-11	1.79E-10	2.13E-11	2.31E-10	2.84E-11	9.36E-11	6.45E-12	1.28E-10
5802	469356.86	3819716.36	3.21E-10	1.35E-09	1.21E-10	1.79E-09	2.67E-10	9.89E-10	8.70E-11	1.34E-09	3.03E-11	1.73E-10	2.07E-11	2.24E-10	2.75E-11	9.08E-11	6.26E-12	1.25E-10
5803	469353.37	3819707.45	3.11E-10	1.31E-09	1.18E-10	1.73E-09	2.59E-10	9.59E-10	8.44E-11	1.30E-09	2.94E-11	1.68E-10	2.01E-11	2.17E-10	2.67E-11	8.80E-11	6.07E-12	1.21E-10
5804	469349.87	3819698.54	3.01E-10	1.26E-09	1.14E-10	1.68E-09	2.51E-10	9.28E-10	8.17E-11	1.26E-09	2.84E-11	1.63E-10	1.94E-11	2.10E-10	2.58E-11	8.52E-11	5.87E-12	1.17E-10
5805	469346.37	3819689.63	2.91E-10	1.22E-09	1.10E-10	1.62E-09	2.42E-10	8.98E-10	7.90E-11	1.22E-09	2.75E-11	1.57E-10	1.88E-11	2.04E-10	2.50E-11	8.24E-11	5.68E-12	1.13E-10
5806	469342.87	3819680.72	2.81E-10	1.18E-09	1.06E-10	1.57E-09	2.34E-10	8.68E-10	7.64E-11	1.18E-09	2.66E-11	1.52E-10	1.81E-11	1.97E-10	2.41E-11	7.96E-11	5.49E-12	1.09E-10
5807	469339.37	3819671.81	2.72E-10	1.14E-09	1.03E-10	1.52E-09	2.26E-10	8.39E-10	7.38E-11	1.14E-09	2.57E-11	1.47E-10	1.75E-11	1.90E-10	2.33E-11	7.70E-11	5.31E-12	1.06E-10
5808	469335.87	3819662.89	2.63E-10	1.10E-09	9.94E-11	1.47E-09	2.19E-10	8.11E-10	7.14E-11	1.10E-09	2.48E-11	1.42E-10	1.70E-11	1.84E-10	2.26E-11	7.44E-11	5.13E-12	1.02E-10
5809	469332.37	3819653.98	2.54E-10	1.07E-09	9.61E-11	1.42E-09	2.12E-10	7.84E-10	6.90E-11	1.07E-09	2.40E-11	1.37E-10	1.64E-11	1.78E-10	2.18E-11	7.20E-11	4.96E-12	9.87E-11
5810	469328.87	3819645.07	2.46E-10	1.03E-09	9.29E-11	1.37E-09	2.05E-10	7.58E-10	6.67E-11	1.03E-09	2.32E-11	1.33E-10	1.58E-11	1.72E-10	2.11E-11	6.95E-11	4.79E-12	9.54E-11
5811	469325.37	3819636.16	2.37E-10	9.97E-10	8.98E-11	1.32E-09	1.98E-10	7.32E-10	6.44E-11	9.95E-10	2.24E-11	1.28E-10	1.53E-11	1.66E-10	2.04E-11	6.72E-11	4.63E-12	9.22E-11
5812	469321.87	3819627.25	2.29E-10	9.63E-10	8.67E-11	1.28E-09	1.91E-10	7.07E-10	6.22E-11	9.61E-10	2.17E-11	1.24E-10	1.48E-11	1.60E-10	1.97E-11	6.49E-11	4.47E-12	8.91E-11
5813	469318.37	3819618.33	2.22E-10	9.30E-10	8.38E-11	1.24E-09	1.84E-10	6.84E-10	6.01E-11	9.28E-10	2.09E-11	1.20E-10	1.43E-11	1.55E-10	1.90E-11	6.27E-11	4.32E-12	8.60E-11
5814	469314.87	3819609.42	2.14E-10	8.98E-10	8.08E-11	1.19E-09	1.78E-10	6.60E-10	5.80E-11	8.96E-10	2.02E-11	1.16E-10	1.38E-11	1.50E-10	1.83E-11	6.05E-11	4.17E-12	8.30E-11
5815	469311.37	3819600.51	2.06E-10	8.66E-10	7.80E-11	1.15E-09	1.72E-10	6.36E-10	5.60E-11	8.64E-10	1.95E-11	1.11E-10	1.33E-11	1.44E-10	1.77E-11	5.84E-11	4.02E-12	8.01E-11
5816	469307.87	3819591.6	1.99E-10	8.35E-10	7.52E-11	1.11E-09	1.66E-10	6.14E-10	5.40E-11	8.34E-10	1.88E-11	1.08E-10	1.28E-11	1.39E-10	1.71E-11	5.63E-11	3.88E-12	7.73E-11
5817	469304.37	3819582.69	1.92E-10	8.07E-10	7.26E-11	1.07E-09	1.60E-10	5.93E-10	5.21E-11	8.05E-10	1.81E-11	1.04E-10	1.24E-11	1.34E-10	1.65E-11	5.44E-11	3.75E-12	7.46E-11
5818	469300.87	3819573.77	1.86E-10	7.79E-10	7.02E-11	1.04E-09	1.55E-10	5.73E-10	5.04E-11	7.78E-10	1.75E-11	1.00E-10	1.20E-11	1.30E-10	1.59E-11	5.25E-11	3.62E-12	7.21E-11
5819	469297.37	3819564.86	1.79E-10	7.53E-10	6.78E-11	1.00E-09	1.49E-10	5.53E-10	4.87E-11	7.51E-10	1.69E-11	9.69E-11	1.16E-11	1.25E-10	1.54E-11	5.08E-11	3.50E-12	6.96E-11
5820	469293.87	3819555.95	1.73E-10	7.28E-10	6.56E-11	9.67E-10	1.44E-10	5.35E-10	4.71E-11	7.26E-10	1.64E-11	9.37E-11	1.12E-11	1.21E-10	1.49E-11	4.91E-11	3.38E-12	6.73E-11
5821	469290.37	3819547.04	1.68E-10	7.04E-10	6.34E-11	9.35E-10	1.40E-10	5.17E-10	4.55E-11	7.02E-10	1.58E-11	9.06E-11	1.08E-11	1.17E-10	1.44E-11	4.75E-11	3.27E-12	6.51E-11
5822	469286.87	3819538.13	1.62E-10	6.81E-10	6.13E-11	9.05E-10	1.35E-10	5.00E-10	4.40E-11	6.80E-10	1.53E-11	8.77E-11	1.05E-11	1.13E-10	1.39E-11	4.59E-11	3.16E-12	6.30E-11
5823	469283.37	3819529.21	1.57E-10	6.59E-10	5.94E-11	8.75E-10	1.31E-10	4.84E-10	4.26E-11	6.58E-10	1.48E-11	8.48E-11	1.01E-11	1.10E-10	1.35E-11	4.44E-11	3.06E-12	6.10E-11
5824	469279.87	3819520.3	1.52E-10	6.38E-10	5.75E-11	8.48E-10	1.27E-10	4.69E-10	4.13E-11	6.37E-10	1.44E-11	8.22E-11	9.80E-12	1.06E-10	1.30E-11	4.30E-11	2.97E-12	5.90E-11
5825	469276.37	3819511.39	1.47E-10	6.18E-10	5.57E-11	8.21E-10	1.23E-10	4.54E-10	4.00E-11	6.17E-10	1.39E-11	7.96E-11	9.50E-12	1.03E-10	1.26E-11	4.17E-11	2.87E-12	5.72E-11
5826	469272.87	3819502.48	1.43E-10	5.99E-10	5.40E-11	7.96E-10	1.19E-10	4.40E-10	3.87E-11	5.98E-10	1.35E-11	7.72E-11	9.21E-12	9.98E-11	1.23E-11	4.04E-11	2.78E-12	5.54E-11
5827	469269.37	3819493.57	1.38E-10	5.81E-10	5.23E-11	7.72E-10	1.15E-10	4.27E-10	3.76E-11	5.80E-10	1.31E-11	7.48E-11	8.92E-12	9.68E-11	1.19E-11	3.92E-11	2.70E-12	5.37E-11
5828	469265.87	3819484.66	1.34E-10	5.63E-10	5.07E-11	7.48E-10	1.12E-10	4.14E-10	3.64E-11	5.62E-10	1.27E-11	7.25E-11	8.65E-12	9.38E-11	1.15E-11	3.80E-11	2.62E-12	5.21E-11
5829	469262.37	3819475.74	1.30E-10	5.46E-10	4.92E-11	7.25E-10	1.08E-10	4.01E-10	3.53E-11	5.45E-10	1.23E-11	7.03E-11	8.38E-12	9.09E-11	1.12E-11	3.68E-11	2.54E-12	5.05E-11
5830	469258.87	3819466.83	1.26E-10	5.30E-10	4.77E-11	7.04E-10	1.05E-10	3.89E-10	3.42E-11	5.29E-10	1.19E-11	6.82E-11	8.14E-12	8.82E-11	1.08E-11	3.57E-11	2.46E-12	4.90E-11
5831	469255.37	3819457.92	1.23E-10	5.15E-10	4.64E-11	6.84E-10	1.02E-10	3.78E-10	3.33E-11	5.14E-10	1.16E-11	6.63E-11	7.91E-12	8.58E-11	1.05E-11	3.47E-11	2.39E-12	4.76E-11
5832	469251.87	3819449.01	1.19E-10	5.00E-10	4.51E-11	6.65E-10	9.93E-11	3.68E-10	3.24E-11	4.99E-10	1.13E-11	6.44E-11	7.69E-12	8.34E-11	1.02E-11	3.37E-11	2.33E-12	4.63E-11
5833	469248.37	3819440.1	1.16E-10	4.87E-10	4.39E-11	6.47E-10	9.66E-11	3.58E-10	3.15E-11	4.86E-10	1.10E-11	6.27E-11	7.48E-12	8.11E-11	9.96E-12	3.28E-11	2.26E-12	4.51E-11
5834	470092.73	3820308.32	1.03E-09	4.32E-09	3.89E-10	5.74E-09	8.56E-10	3.17E-09	2.79E-10	4.31E-09	9.71E-11	5.56E-10	6.63E-11	7.19E-10	8.83E-11	2.91E-10	2.01E-11	3.99E-10
5835	470102.43	3820308.45	1.02E-09	4.30E-09	3.87E-10	5.71E-09	8.53E-10	3.16E-09	2.78E-10	4.29E-09	9.67E-11	5.54E-10	6.60E-11	7.16E-10	8.79E-11	2.90E-10	2.00E-11	3.98E-10
5836	470112.12	3820308.59	1.02E-09	4.28E-09	3.85E-10	5.68E-09	8.49E-10	3.14E-09	2.77E-10	4.27E-09	9.62E-11	5.51E-10	6.57E-11	7.13E-10	8.75E-11	2.88E-10	1.99E-11	3.96E-10
5837	470121.82	3820308.72	1.01E-09	4.26E-09	3.83E-10	5.65E-09	8.44E-10	3.13E-09	2.75E-10	4.25E-09	9.57E-11	5.48E-10	6.54E-11	7.09E-10	8.70E-11	2.87E-10	1.98E-11	3.94E-10
5838	470131.52	3820308.86	1.01E-09	4.23E-09	3.81E-10	5.62E-09	8.39E-10	3.11E-09	2.73E-10	4.22E-09	9.51E-11	5.45E-10	6.50E-11	7.05E-10	8.65E-11	2.85E-10	1.97E-11	3.91E-10
5839	470141.21	3820308.99	1.00E-09	4.20E-09	3.78E-10	5.58E-09	8.34E-10	3.09E-09	2.72E-10	4.19E-09	9.45E-11	5.41E-10	6.45E-11	7.00E-10	8.59E-11	2.83E-10	1.95E-11	3.89E-10
5840	470150.91	3820309.13	9.93E-10	4.17E-09	3.76E-10	5.54E-09	8.27E-10	3.06E-09	2.70E-10	4.16E-09	9.38E-11	5.37E-10	6.40E-11	6.95E-10	8.52E-11	2.81E-10	1.94E-11	3.86E-10
5841	470160.61	3820309.26	9.85E-10	4.13E-09	3.72E-10	5.49E-09	8.20E-10	3.04E-09	2.67E-10	4.13E-09	9.30E-11	5.32E-10	6.35E-11	6.89E-10	8.45E-11	2.79E-10	1.92E-11	3.82E-10
5842	470170.31	3820309.4	9.76E-10	4.10E-09	3.69E-10	5.44E-09	8.13E-10	3.01E-09	2.65E-10	4.09E-09	9.22E-11	5.28E-10	6.29E-11	6.83E-10	8.38E-11	2.76E-10	1.90E-11	3.79E-10
5843	470180	3820309.53	9.66E-10	4.06E-09	3.65E-10	5.39E-09	8.05E-10	2.98E-09	2.62E-10	4.05E-09	9.13E-11	5.22E-10	6.23E-11	6.76E-10	8.30E-11	2.74E-10	1.89E-11	3.75E-10
5844	470189.7	3820309.67	9.57E-10	4.02E-09	3.62E-10	5.34E-09	7.97E-10	2.95E-09	2.60E-10	4.01E-09	9.03E-11	5.17E-10	6.17E-11	6.69E-10	8.21E-11	2.71E-10	1.87E-11	3.72E-10
5845	470199.4	3820309.8	9.46E-10	3.97E-09	3.58E-10	5.28E-09	7.88E-10	2.92E-09	2.57E-10	3.97E-09	8.94E-11	5.12E-10	6.10E-11	6.62E-10	8.13E-11	2.68E-10	1.85E-11	3.68E-10
5846	470209.1	3820309.94	9.36E-10	3.93E-09	3.54E-10	5.22E-09	7.80E-10	2.89E-09	2.54E-10	3.92E-09	8.84E-11	5.06E-10	6.04E-11	6.55E-10	8.04E-11	2.65E-10	1.83E-11	3.64E-10

5847	470218.79	3820310.07	9.26E-10	3.89E-09	3.50E-10	5.17E-09	7.72E-10	2.86E-09	2.51E-10	3.88E-09	8.75E-11	5.01E-10	5.97E-11	6.48E-10	7.95E-11	2.62E-10	1.81E-11	3.60E-10
5848	470228.49	3820310.21	9.16E-10	3.85E-09	3.47E-10	5.11E-09	7.63E-10	2.83E-09	2.49E-10	3.84E-09	8.65E-11	4.95E-10	5.91E-11	6.41E-10	7.87E-11	2.59E-10	1.79E-11	3.56E-10
5849	470238.19	3820310.34	9.06E-10	3.80E-09	3.43E-10	5.05E-09	7.55E-10	2.80E-09	2.46E-10	3.80E-09	8.56E-11	4.90E-10	5.84E-11	6.34E-10	7.78E-11	2.56E-10	1.77E-11	3.52E-10
5850	470247.88	3820310.48	8.96E-10	3.76E-09	3.39E-10	5.00E-09	7.46E-10	2.76E-09	2.43E-10	3.75E-09	8.46E-11	4.84E-10	5.78E-11	6.27E-10	7.69E-11	2.54E-10	1.75E-11	3.48E-10
5851	470257.58	3820310.61	8.86E-10	3.72E-09	3.35E-10	4.94E-09	7.38E-10	2.73E-09	2.40E-10	3.71E-09	8.36E-11	4.79E-10	5.71E-11	6.19E-10	7.60E-11	2.51E-10	1.73E-11	3.44E-10
5852	470267.28	3820310.75	8.76E-10	3.68E-09	3.31E-10	4.89E-09	7.30E-10	2.70E-09	2.38E-10	3.67E-09	8.27E-11	4.74E-10	5.65E-11	6.13E-10	7.52E-11	2.48E-10	1.71E-11	3.40E-10
5853	470082.78	3820384.49	8.96E-10	3.76E-09	3.39E-10	5.00E-09	7.46E-10	2.76E-09	2.43E-10	3.75E-09	8.46E-11	4.84E-10	5.78E-11	6.27E-10	7.69E-11	2.54E-10	1.75E-11	3.48E-10
5854	470073.94	3820380.67	9.04E-10	3.80E-09	3.42E-10	5.04E-09	7.53E-10	2.79E-09	2.46E-10	3.79E-09	8.54E-11	4.89E-10	5.83E-11	6.33E-10	7.76E-11	2.56E-10	1.76E-11	3.51E-10
5855	470065.1	3820376.84	9.13E-10	3.83E-09	3.45E-10	5.09E-09	7.60E-10	2.82E-09	2.48E-10	3.82E-09	8.62E-11	4.93E-10	5.89E-11	6.38E-10	7.83E-11	2.58E-10	1.78E-11	3.55E-10
5856	470056.27	3820373.02	9.20E-10	3.86E-09	3.48E-10	5.13E-09	7.66E-10	2.84E-09	2.50E-10	3.86E-09	8.69E-11	4.97E-10	5.94E-11	6.44E-10	7.90E-11	2.60E-10	1.80E-11	3.57E-10
5857	470047.43	3820369.2	9.27E-10	3.89E-09	3.51E-10	5.17E-09	7.72E-10	2.86E-09	2.52E-10	3.89E-09	8.76E-11	5.01E-10	5.98E-11	6.49E-10	7.96E-11	2.62E-10	1.81E-11	3.60E-10
5858	470038.59	3820365.38	9.34E-10	3.92E-09	3.53E-10	5.21E-09	7.78E-10	2.88E-09	2.53E-10	3.91E-09	8.82E-11	5.05E-10	6.02E-11	6.53E-10	8.01E-11	2.64E-10	1.82E-11	3.63E-10
5859	470029.76	3820361.56	9.39E-10	3.94E-09	3.55E-10	5.24E-09	7.82E-10	2.90E-09	2.55E-10	3.94E-09	8.87E-11	5.08E-10	6.06E-11	6.57E-10	8.06E-11	2.66E-10	1.83E-11	3.65E-10
5860	470020.92	3820357.74	9.44E-10	3.97E-09	3.57E-10	5.27E-09	7.86E-10	2.91E-09	2.56E-10	3.96E-09	8.92E-11	5.10E-10	6.09E-11	6.61E-10	8.11E-11	2.67E-10	1.84E-11	3.67E-10
5861	470012.08	3820353.92	9.49E-10	3.98E-09	3.59E-10	5.29E-09	7.90E-10	2.93E-09	2.57E-10	3.97E-09	8.96E-11	5.13E-10	6.12E-11	6.64E-10	8.14E-11	2.68E-10	1.85E-11	3.68E-10
5862	470003.24	3820350.1	9.52E-10	4.00E-09	3.60E-10	5.31E-09	7.93E-10	2.94E-09	2.58E-10	3.99E-09	8.99E-11	5.15E-10	6.14E-11	6.66E-10	8.17E-11	2.69E-10	1.86E-11	3.70E-10
5863	469994.41	3820346.27	9.55E-10	4.01E-09	3.61E-10	5.33E-09	7.95E-10	2.95E-09	2.59E-10	4.00E-09	9.02E-11	5.16E-10	6.16E-11	6.68E-10	8.20E-11	2.70E-10	1.86E-11	3.71E-10
5864	469985.57	3820342.45	9.57E-10	4.02E-09	3.62E-10	5.34E-09	7.97E-10	2.95E-09	2.60E-10	4.01E-09	9.04E-11	5.17E-10	6.17E-11	6.69E-10	8.22E-11	2.71E-10	1.87E-11	3.72E-10
5865	469976.73	3820338.63	9.58E-10	4.02E-09	3.62E-10	5.35E-09	7.98E-10	2.96E-09	2.60E-10	4.02E-09	9.05E-11	5.18E-10	6.18E-11	6.70E-10	8.23E-11	2.71E-10	1.87E-11	3.72E-10
5866	469967.9	3820334.81	9.59E-10	4.03E-09	3.63E-10	5.35E-09	7.99E-10	2.96E-09	2.60E-10	4.02E-09	9.05E-11	5.18E-10	6.18E-11	6.71E-10	8.23E-11	2.71E-10	1.87E-11	3.72E-10
5867	469959.06	3820330.99	9.59E-10	4.03E-09	3.63E-10	5.35E-09	7.99E-10	2.96E-09	2.60E-10	4.02E-09	9.05E-11	5.18E-10	6.18E-11	6.71E-10	8.23E-11	2.71E-10	1.87E-11	3.72E-10
5868	469950.22	3820327.17	9.58E-10	4.02E-09	3.62E-10	5.34E-09	7.98E-10	2.96E-09	2.60E-10	4.01E-09	9.05E-11	5.18E-10	6.18E-11	6.70E-10	8.22E-11	2.71E-10	1.87E-11	3.72E-10
5869	469941.39	3820323.35	9.56E-10	4.02E-09	3.62E-10	5.33E-09	7.97E-10	2.95E-09	2.60E-10	4.01E-09	9.03E-11	5.17E-10	6.17E-11	6.69E-10	8.21E-11	2.71E-10	1.87E-11	3.71E-10
5870	469932.55	3820319.52	9.54E-10	4.01E-09	3.61E-10	5.32E-09	7.95E-10	2.94E-09	2.59E-10	4.00E-09	9.01E-11	5.16E-10	6.15E-11	6.67E-10	8.19E-11	2.70E-10	1.86E-11	3.71E-10
5871	469923.71	3820315.7	9.51E-10	3.99E-09	3.60E-10	5.31E-09	7.92E-10	2.94E-09	2.58E-10	3.99E-09	8.98E-11	5.14E-10	6.14E-11	6.65E-10	8.17E-11	2.69E-10	1.86E-11	3.69E-10
5872	469914.87	3820311.88	9.48E-10	3.98E-09	3.58E-10	5.29E-09	7.89E-10	2.92E-09	2.57E-10	3.97E-09	8.95E-11	5.12E-10	6.11E-11	6.63E-10	8.14E-11	2.68E-10	1.85E-11	3.68E-10
5873	469906.04	3820308.06	9.43E-10	3.96E-09	3.57E-10	5.26E-09	7.86E-10	2.91E-09	2.56E-10	3.95E-09	8.91E-11	5.10E-10	6.09E-11	6.60E-10	8.10E-11	2.67E-10	1.84E-11	3.66E-10
5874	469853.01	3820285.13	9.08E-10	3.81E-09	3.43E-10	5.06E-09	7.56E-10	2.80E-09	2.46E-10	3.80E-09	8.57E-11	4.91E-10	5.86E-11	6.35E-10	7.79E-11	2.57E-10	1.77E-11	3.53E-10
5875	469844.18	3820281.31	9.00E-10	3.78E-09	3.41E-10	5.02E-09	7.50E-10	2.78E-09	2.44E-10	3.77E-09	8.50E-11	4.87E-10	5.81E-11	6.30E-10	7.73E-11	2.55E-10	1.76E-11	3.50E-10
5876	469835.34	3820277.49	8.93E-10	3.75E-09	3.38E-10	4.98E-09	7.44E-10	2.76E-09	2.42E-10	3.74E-09	8.43E-11	4.83E-10	5.76E-11	6.25E-10	7.66E-11	2.53E-10	1.74E-11	3.47E-10
5877	469826.5	3820273.67	8.85E-10	3.72E-09	3.35E-10	4.94E-09	7.37E-10	2.73E-09	2.40E-10	3.71E-09	8.36E-11	4.78E-10	5.71E-11	6.19E-10	7.60E-11	2.51E-10	1.73E-11	3.44E-10
5878	469817.67	3820269.85	8.77E-10	3.68E-09	3.32E-10	4.89E-09	7.30E-10	2.71E-09	2.38E-10	3.67E-09	8.28E-11	4.74E-10	5.66E-11	6.13E-10	7.53E-11	2.48E-10	1.71E-11	3.41E-10
5879	469808.83	3820266.02	8.69E-10	3.65E-09	3.29E-10	4.85E-09	7.24E-10	2.68E-09	2.36E-10	3.64E-09	8.20E-11	4.70E-10	5.60E-11	6.08E-10	7.46E-11	2.46E-10	1.70E-11	3.37E-10
5880	469799.99	3820262.2	8.60E-10	3.61E-09	3.25E-10	4.80E-09	7.17E-10	2.65E-09	2.34E-10	3.60E-09	8.12E-11	4.65E-10	5.55E-11	6.02E-10	7.39E-11	2.44E-10	1.68E-11	3.34E-10
5881	469791.16	3820258.38	8.52E-10	3.58E-09	3.22E-10	4.75E-09	7.09E-10	2.63E-09	2.31E-10	3.57E-09	8.04E-11	4.60E-10	5.49E-11	5.96E-10	7.31E-11	2.41E-10	1.66E-11	3.31E-10
5882	469782.32	3820254.56	8.43E-10	3.54E-09	3.19E-10	4.70E-09	7.02E-10	2.60E-09	2.29E-10	3.53E-09	7.96E-11	4.56E-10	5.44E-11	5.90E-10	7.24E-11	2.39E-10	1.65E-11	3.27E-10
5883	469773.48	3820250.74	8.34E-10	3.50E-09	3.16E-10	4.65E-09	6.95E-10	2.57E-09	2.27E-10	3.50E-09	7.88E-11	4.51E-10	5.38E-11	5.84E-10	7.16E-11	2.36E-10	1.63E-11	3.24E-10
5884	469764.64	3820246.92	8.26E-10	3.47E-09	3.12E-10	4.61E-09	6.88E-10	2.55E-09	2.24E-10	3.46E-09	7.80E-11	4.46E-10	5.33E-11	5.78E-10	7.09E-11	2.34E-10	1.61E-11	3.21E-10
5885	469755.81	3820243.1	8.17E-10	3.43E-09	3.09E-10	4.56E-09	6.81E-10	2.52E-09	2.22E-10	3.42E-09	7.72E-11	4.42E-10	5.27E-11	5.72E-10	7.02E-11	2.31E-10	1.59E-11	3.17E-10
5886	469746.97	3820239.28	8.09E-10	3.40E-09	3.06E-10	4.51E-09	6.74E-10	2.50E-09	2.20E-10	3.39E-09	7.64E-11	4.37E-10	5.22E-11	5.66E-10	6.94E-11	2.29E-10	1.58E-11	3.14E-10
5887	469738.13	3820235.45	8.00E-10	3.36E-09	3.03E-10	4.46E-09	6.66E-10	2.47E-09	2.17E-10	3.35E-09	7.56E-11	4.33E-10	5.16E-11	5.60E-10	6.87E-11	2.26E-10	1.56E-11	3.11E-10
5888	469729.3	3820231.63	7.92E-10	3.33E-09	2.99E-10	4.42E-09	6.59E-10	2.44E-09	2.15E-10	3.32E-09	7.48E-11	4.28E-10	5.11E-11	5.54E-10	6.80E-11	2.24E-10	1.54E-11	3.08E-10
5889	469720.46	3820227.81	7.83E-10	3.29E-09	2.96E-10	4.37E-09	6.53E-10	2.42E-09	2.13E-10	3.28E-09	7.40E-11	4.24E-10	5.05E-11	5.48E-10	6.73E-11	2.22E-10	1.53E-11	3.04E-10
5890	469711.62	3820223.99	7.75E-10	3.26E-09	2.93E-10	4.32E-09	6.46E-10	2.39E-09	2.10E-10	3.25E-09	7.32E-11	4.19E-10	5.00E-11	5.42E-10	6.65E-11	2.19E-10	1.51E-11	3.01E-10
5891	469702.78	3820220.17	7.67E-10	3.22E-09	2.90E-10	4.28E-09	6.39E-10	2.37E-09	2.08E-10	3.21E-09	7.24E-11	4.15E-10	4.95E-11	5.37E-10	6.59E-11	2.17E-10	1.50E-11	2.98E-10
5892	469667.44	3820204.88	7.35E-10	3.09E-09	2.78E-10	4.10E-09	6.13E-10	2.27E-09	2.00E-10	3.08E-09	6.94E-11	3.98E-10	4.74E-11	5.14E-10	6.31E-11	2.08E-10	1.43E-11	2.86E-10
5893	469658.6	3820201.06	7.28E-10	3.06E-09	2.75E-10	4.06E-09	6.06E-10	2.25E-09	1.98E-10	3.05E-09	6.87E-11	3.93E-10	4.69E-11	5.09E-10	6.25E-11	2.06E-10	1.42E-11	2.83E-10
5894	469649.76	3820197.24	7.20E-10	3.02E-09	2.72E-10	4.02E-09	6.00E-10	2.22E-09	1.95E-10	3.02E-09	6.80E-11	3.89E-10	4.65E-11	5.04E-10	6.18E-11	2.04E-10	1.41E-11	2.80E-10
5895	469640.93	3820193.42	7.13E-10	2.99E-09	2.70E-10	3.97E-09	5.94E-10	2.20E-09	1.93E-10	2.99E-09	6.73E-11	3.85E-10	4.60E-11	4.99E-10	6.12E-11	2.02E-10	1.39E-11	2.77E-10
5896	469632.09	3820189.6	7.05E-10	2.96E-09	2.67E-10	3.93E-09	5.87E-10	2.18E-09	1.91E-10	2.95E-09	6.66E-11	3.81E-10	4.55E-11	4.93E-10	6.05E-11	2.00E-10	1.38E-11	2.74E-10

5897	469623.25	3820185.78	6.98E-10	2.93E-09	2.64E-10	3.89E-09	5.81E-10	2.15E-09	1.89E-10	2.92E-09	6.59E-11	3.77E-10	4.50E-11	4.88E-10	5.99E-11	1.98E-10	1.36E-11	2.71E-10
5898	469614.41	3820181.95	6.90E-10	2.90E-09	2.61E-10	3.85E-09	5.75E-10	2.13E-09	1.87E-10	2.89E-09	6.52E-11	3.73E-10	4.45E-11	4.83E-10	5.93E-11	1.95E-10	1.35E-11	2.68E-10
5899	469605.58	3820178.13	6.83E-10	2.87E-09	2.58E-10	3.81E-09	5.69E-10	2.11E-09	1.85E-10	2.86E-09	6.45E-11	3.69E-10	4.41E-11	4.78E-10	5.87E-11	1.93E-10	1.33E-11	2.65E-10
5900	469517.21	3820139.92	6.09E-10	2.56E-09	2.30E-10	3.40E-09	5.07E-10	1.88E-09	1.65E-10	2.55E-09	5.75E-11	3.29E-10	3.93E-11	4.26E-10	5.23E-11	1.72E-10	1.19E-11	2.37E-10
5901	469508.37	3820136.1	6.01E-10	2.53E-09	2.27E-10	3.35E-09	5.01E-10	1.86E-09	1.63E-10	2.52E-09	5.68E-11	3.25E-10	3.88E-11	4.21E-10	5.16E-11	1.70E-10	1.17E-11	2.34E-10
5902	469499.53	3820132.28	5.94E-10	2.49E-09	2.25E-10	3.31E-09	4.94E-10	1.83E-09	1.61E-10	2.49E-09	5.61E-11	3.21E-10	3.83E-11	4.15E-10	5.10E-11	1.68E-10	1.16E-11	2.31E-10
5903	469490.7	3820128.46	5.86E-10	2.46E-09	2.22E-10	3.27E-09	4.88E-10	1.81E-09	1.59E-10	2.45E-09	5.53E-11	3.17E-10	3.78E-11	4.10E-10	5.03E-11	1.66E-10	1.14E-11	2.28E-10
5904	469481.86	3820124.63	5.78E-10	2.43E-09	2.18E-10	3.22E-09	4.81E-10	1.78E-09	1.57E-10	2.42E-09	5.46E-11	3.12E-10	3.73E-11	4.04E-10	4.96E-11	1.64E-10	1.13E-11	2.24E-10
5905	469473.02	3820120.81	5.70E-10	2.39E-09	2.15E-10	3.18E-09	4.75E-10	1.76E-09	1.55E-10	2.39E-09	5.38E-11	3.08E-10	3.67E-11	3.99E-10	4.89E-11	1.61E-10	1.11E-11	2.21E-10
5906	469464.18	3820116.99	5.62E-10	2.36E-09	2.12E-10	3.13E-09	4.68E-10	1.73E-09	1.52E-10	2.35E-09	5.30E-11	3.04E-10	3.62E-11	3.93E-10	4.82E-11	1.59E-10	1.10E-11	2.18E-10
5907	469455.35	3820113.17	5.53E-10	2.32E-09	2.09E-10	3.09E-09	4.61E-10	1.71E-09	1.50E-10	2.32E-09	5.22E-11	2.99E-10	3.57E-11	3.87E-10	4.75E-11	1.57E-10	1.08E-11	2.15E-10
5908	469446.51	3820109.35	5.45E-10	2.29E-09	2.06E-10	3.04E-09	4.54E-10	1.68E-09	1.48E-10	2.28E-09	5.15E-11	2.95E-10	3.52E-11	3.81E-10	4.68E-11	1.54E-10	1.06E-11	2.12E-10
5909	469437.67	3820105.53	5.37E-10	2.25E-09	2.03E-10	2.99E-09	4.47E-10	1.66E-09	1.46E-10	2.25E-09	5.07E-11	2.90E-10	3.46E-11	3.75E-10	4.61E-11	1.52E-10	1.05E-11	2.08E-10
5910	469425.32	3820092.74	5.26E-10	2.21E-09	1.99E-10	2.93E-09	4.38E-10	1.62E-09	1.43E-10	2.20E-09	4.97E-11	2.84E-10	3.39E-11	3.68E-10	4.52E-11	1.49E-10	1.03E-11	2.04E-10
5911	469421.8	3820083.78	5.24E-10	2.20E-09	1.98E-10	2.92E-09	4.36E-10	1.62E-09	1.42E-10	2.19E-09	4.94E-11	2.83E-10	3.38E-11	3.66E-10	4.50E-11	1.48E-10	1.02E-11	2.03E-10
5912	469418.28	3820074.82	5.21E-10	2.19E-09	1.97E-10	2.91E-09	4.34E-10	1.61E-09	1.41E-10	2.18E-09	4.92E-11	2.82E-10	3.36E-11	3.64E-10	4.47E-11	1.47E-10	1.02E-11	2.02E-10
5913	469414.76	3820065.86	5.18E-10	2.18E-09	1.96E-10	2.89E-09	4.31E-10	1.60E-09	1.41E-10	2.17E-09	4.89E-11	2.80E-10	3.34E-11	3.62E-10	4.45E-11	1.47E-10	1.01E-11	2.01E-10
5914	469411.24	3820056.9	5.15E-10	2.16E-09	1.95E-10	2.87E-09	4.29E-10	1.59E-09	1.40E-10	2.16E-09	4.86E-11	2.78E-10	3.32E-11	3.60E-10	4.42E-11	1.46E-10	1.00E-11	2.00E-10
5915	469407.72	3820047.94	5.11E-10	2.15E-09	1.93E-10	2.85E-09	4.26E-10	1.58E-09	1.39E-10	2.14E-09	4.83E-11	2.76E-10	3.30E-11	3.58E-10	4.39E-11	1.45E-10	9.98E-12	1.99E-10
5916	469404.2	3820038.97	5.08E-10	2.13E-09	1.92E-10	2.83E-09	4.23E-10	1.57E-09	1.38E-10	2.13E-09	4.79E-11	2.74E-10	3.27E-11	3.55E-10	4.36E-11	1.44E-10	9.90E-12	1.97E-10
5917	469319.74	3819823.89	3.47E-10	1.46E-09	1.31E-10	1.94E-09	2.89E-10	1.07E-09	9.42E-11	1.45E-09	3.28E-11	1.88E-10	2.24E-11	2.43E-10	2.98E-11	9.82E-11	6.77E-12	1.35E-10
5918	469316.22	3819814.93	3.39E-10	1.42E-09	1.28E-10	1.89E-09	2.82E-10	1.04E-09	9.19E-11	1.42E-09	3.20E-11	1.83E-10	2.18E-11	2.37E-10	2.91E-11	9.58E-11	6.61E-12	1.31E-10
5919	469312.7	3819805.97	3.30E-10	1.39E-09	1.25E-10	1.84E-09	2.75E-10	1.02E-09	8.95E-11	1.38E-09	3.11E-11	1.78E-10	2.13E-11	2.31E-10	2.83E-11	9.34E-11	6.44E-12	1.28E-10
5920	469309.18	3819797.01	3.21E-10	1.35E-09	1.22E-10	1.79E-09	2.68E-10	9.91E-10	8.72E-11	1.35E-09	3.03E-11	1.74E-10	2.07E-11	2.25E-10	2.76E-11	9.09E-11	6.27E-12	1.25E-10
5921	469305.66	3819788.05	3.13E-10	1.31E-09	1.18E-10	1.74E-09	2.61E-10	9.65E-10	8.49E-11	1.31E-09	2.95E-11	1.69E-10	2.02E-11	2.19E-10	2.69E-11	8.86E-11	6.10E-12	1.22E-10
5922	469302.14	3819779.09	3.04E-10	1.28E-09	1.15E-10	1.70E-09	2.54E-10	9.39E-10	8.26E-11	1.28E-09	2.87E-11	1.65E-10	1.96E-11	2.13E-10	2.61E-11	8.62E-11	5.94E-12	1.18E-10
5923	469298.62	3819770.12	2.96E-10	1.24E-09	1.12E-10	1.65E-09	2.47E-10	9.14E-10	8.04E-11	1.24E-09	2.80E-11	1.60E-10	1.91E-11	2.07E-10	2.54E-11	8.38E-11	5.78E-12	1.15E-10
5924	469295.1	3819761.16	2.88E-10	1.21E-09	1.09E-10	1.61E-09	2.40E-10	8.88E-10	7.81E-11	1.21E-09	2.72E-11	1.56E-10	1.86E-11	2.01E-10	2.47E-11	8.15E-11	5.62E-12	1.12E-10
5925	469291.58	3819752.2	2.80E-10	1.17E-09	1.06E-10	1.56E-09	2.33E-10	8.63E-10	7.59E-11	1.17E-09	2.64E-11	1.51E-10	1.80E-11	1.96E-10	2.40E-11	7.92E-11	5.46E-12	1.09E-10
5926	469288.06	3819743.24	2.72E-10	1.14E-09	1.03E-10	1.51E-09	2.26E-10	8.38E-10	7.37E-11	1.14E-09	2.56E-11	1.47E-10	1.75E-11	1.90E-10	2.33E-11	7.69E-11	5.30E-12	1.05E-10
5927	469284.54	3819734.28	2.64E-10	1.11E-09	9.97E-11	1.47E-09	2.20E-10	8.13E-10	7.15E-11	1.10E-09	2.49E-11	1.42E-10	1.70E-11	1.84E-10	2.26E-11	7.46E-11	5.14E-12	1.02E-10
5928	469281.03	3819725.32	2.55E-10	1.07E-09	9.66E-11	1.43E-09	2.13E-10	7.88E-10	6.94E-11	1.07E-09	2.41E-11	1.38E-10	1.65E-11	1.79E-10	2.19E-11	7.23E-11	4.99E-12	9.92E-11
5929	469277.51	3819716.35	2.47E-10	1.04E-09	9.36E-11	1.38E-09	2.06E-10	7.64E-10	6.72E-11	1.04E-09	2.34E-11	1.34E-10	1.60E-11	1.73E-10	2.12E-11	7.01E-11	4.83E-12	9.61E-11
5930	469273.99	3819707.39	2.40E-10	1.01E-09	9.06E-11	1.34E-09	2.00E-10	7.39E-10	6.50E-11	1.00E-09	2.26E-11	1.30E-10	1.55E-11	1.68E-10	2.06E-11	6.78E-11	4.67E-12	9.31E-11
5931	469270.47	3819698.43	2.32E-10	9.74E-10	8.77E-11	1.29E-09	1.93E-10	7.16E-10	6.30E-11	9.72E-10	2.19E-11	1.25E-10	1.50E-11	1.62E-10	1.99E-11	6.57E-11	4.53E-12	9.01E-11
5932	469266.95	3819689.47	2.25E-10	9.44E-10	8.50E-11	1.25E-09	1.87E-10	6.93E-10	6.10E-11	9.41E-10	2.12E-11	1.21E-10	1.45E-11	1.57E-10	1.93E-11	6.36E-11	4.38E-12	8.73E-11
5933	469263.43	3819680.51	2.18E-10	9.14E-10	8.23E-11	1.21E-09	1.81E-10	6.71E-10	5.91E-11	9.12E-10	2.05E-11	1.18E-10	1.40E-11	1.52E-10	1.87E-11	6.16E-11	4.25E-12	8.45E-11
5934	469259.91	3819671.55	2.11E-10	8.85E-10	7.97E-11	1.17E-09	1.75E-10	6.50E-10	5.72E-11	8.83E-10	1.99E-11	1.14E-10	1.36E-11	1.47E-10	1.81E-11	5.96E-11	4.11E-12	8.18E-11
5935	469256.39	3819662.59	2.04E-10	8.56E-10	7.71E-11	1.14E-09	1.70E-10	6.29E-10	5.53E-11	8.54E-10	1.93E-11	1.10E-10	1.31E-11	1.43E-10	1.75E-11	5.77E-11	3.98E-12	7.92E-11
5936	469252.87	3819653.62	1.97E-10	8.28E-10	7.46E-11	1.10E-09	1.64E-10	6.09E-10	5.36E-11	8.27E-10	1.86E-11	1.07E-10	1.27E-11	1.38E-10	1.69E-11	5.58E-11	3.85E-12	7.66E-11
5937	469249.35	3819644.66	1.91E-10	8.02E-10	7.22E-11	1.06E-09	1.59E-10	5.89E-10	5.18E-11	8.00E-10	1.80E-11	1.03E-10	1.23E-11	1.34E-10	1.64E-11	5.40E-11	3.73E-12	7.42E-11
5938	469245.83	3819635.7	1.85E-10	7.76E-10	6.99E-11	1.03E-09	1.54E-10	5.70E-10	5.01E-11	7.74E-10	1.74E-11	9.99E-11	1.19E-11	1.29E-10	1.59E-11	5.23E-11	3.60E-12	7.17E-11
5939	469242.31	3819626.74	1.79E-10	7.51E-10	6.76E-11	9.97E-10	1.49E-10	5.52E-10	4.85E-11	7.49E-10	1.69E-11	9.66E-11	1.15E-11	1.25E-10	1.53E-11	5.06E-11	3.49E-12	6.94E-11
5940	469238.79	3819617.78	1.73E-10	7.26E-10	6.54E-11	9.65E-10	1.44E-10	5.34E-10	4.70E-11	7.25E-10	1.63E-11	9.35E-11	1.12E-11	1.21E-10	1.48E-11	4.90E-11	3.38E-12	6.72E-11
5941	469235.27	3819608.82	1.67E-10	7.02E-10	6.33E-11	9.33E-10	1.39E-10	5.16E-10	4.54E-11	7.01E-10	1.58E-11	9.04E-11	1.08E-11	1.17E-10	1.44E-11	4.73E-11	3.26E-12	6.50E-11
5942	469231.76	3819599.85	1.62E-10	6.79E-10	6.12E-11	9.02E-10	1.35E-10	4.99E-10	4.39E-11	6.78E-10	1.53E-11	8.74E-11	1.04E-11	1.13E-10	1.39E-11	4.58E-11	3.16E-12	6.28E-11
5943	469228.24	3819590.89	1.56E-10	6.57E-10	5.91E-11	8.72E-10	1.30E-10	4.83E-10	4.25E-11	6.55E-10	1.48E-11	8.45E-11	1.01E-11	1.09E-10	1.34E-11	4.43E-11	3.05E-12	6.07E-11
5944	469224.72	3819581.93	1.51E-10	6.36E-10	5.72E-11	8.44E-10	1.26E-10	4.67E-10	4.11E-11	6.34E-10	1.43E-11	8.18E-11	9.76E-12	1.06E-10	1.30E-11	4.28E-11	2.95E-12	5.88E-11
5945	469221.2	3819572.97	1.47E-10	6.16E-10	5.54E-11	8.18E-10	1.22E-10	4.52E-10	3.98E-11	6.14E-10	1.38E-11	7.92E-11	9.45E-12	1.03E-10	1.26E-11	4.15E-11	2.86E-12	5.69E-11
5946	469217.68	3819564.01	1.42E-10	5.96E-10	5.37E-11	7.92E-10	1.18E-10	4.38E-10	3.86E-11	5.95E-10	1.34E-11	7.68E-11	9.16E-12	9.94E-11	1.22E-11	4.02E-11	2.77E-12	5.52E-11

5947	469214.16	3819555.05	1.38E-10	5.78E-10	5.21E-11	7.68E-10	1.15E-10	4.25E-10	3.74E-11	5.77E-10	1.30E-11	7.44E-11	8.88E-12	9.63E-11	1.18E-11	3.90E-11	2.69E-12	5.35E-11
5948	469210.64	3819546.08	1.34E-10	5.61E-10	5.05E-11	7.45E-10	1.11E-10	4.12E-10	3.62E-11	5.59E-10	1.26E-11	7.22E-11	8.61E-12	9.34E-11	1.15E-11	3.78E-11	2.61E-12	5.19E-11
5949	469207.12	3819537.12	1.29E-10	5.44E-10	4.90E-11	7.22E-10	1.08E-10	4.00E-10	3.52E-11	5.43E-10	1.22E-11	7.00E-11	8.35E-12	9.06E-11	1.11E-11	3.67E-11	2.53E-12	5.03E-11
5950	469203.6	3819528.16	1.26E-10	5.28E-10	4.75E-11	7.01E-10	1.05E-10	3.88E-10	3.41E-11	5.27E-10	1.19E-11	6.80E-11	8.11E-12	8.79E-11	1.08E-11	3.56E-11	2.45E-12	4.88E-11
5951	469200.08	3819519.2	1.22E-10	5.13E-10	4.62E-11	6.81E-10	1.02E-10	3.77E-10	3.31E-11	5.12E-10	1.15E-11	6.60E-11	7.87E-12	8.54E-11	1.05E-11	3.46E-11	2.38E-12	4.74E-11
5952	469196.56	3819510.24	1.19E-10	4.98E-10	4.49E-11	6.62E-10	9.88E-11	3.66E-10	3.22E-11	4.97E-10	1.12E-11	6.41E-11	7.65E-12	8.30E-11	1.02E-11	3.36E-11	2.31E-12	4.61E-11
5953	469193.04	3819501.28	1.15E-10	4.84E-10	4.36E-11	6.43E-10	9.61E-11	3.56E-10	3.13E-11	4.83E-10	1.09E-11	6.23E-11	7.44E-12	8.07E-11	9.90E-12	3.26E-11	2.25E-12	4.48E-11
5954	469189.52	3819492.31	1.12E-10	4.71E-10	4.24E-11	6.25E-10	9.34E-11	3.46E-10	3.04E-11	4.70E-10	1.06E-11	6.06E-11	7.23E-12	7.84E-11	9.62E-12	3.17E-11	2.19E-12	4.35E-11
5955	469186	3819483.35	1.09E-10	4.57E-10	4.12E-11	6.08E-10	9.07E-11	3.36E-10	2.96E-11	4.56E-10	1.03E-11	5.89E-11	7.03E-12	7.62E-11	9.35E-12	3.08E-11	2.13E-12	4.23E-11
5956	469182.48	3819474.39	1.06E-10	4.45E-10	4.01E-11	5.91E-10	8.82E-11	3.27E-10	2.88E-11	4.44E-10	1.00E-11	5.73E-11	6.83E-12	7.41E-11	9.09E-12	3.00E-11	2.07E-12	4.11E-11
5957	469178.97	3819465.43	1.03E-10	4.33E-10	3.90E-11	5.75E-10	8.59E-11	3.18E-10	2.80E-11	4.32E-10	9.73E-12	5.57E-11	6.65E-12	7.21E-11	8.85E-12	2.92E-11	2.01E-12	4.00E-11
5958	469175.45	3819456.47	1.00E-10	4.22E-10	3.80E-11	5.60E-10	8.37E-11	3.10E-10	2.73E-11	4.21E-10	9.49E-12	5.43E-11	6.48E-12	7.03E-11	8.63E-12	2.84E-11	1.96E-12	3.90E-11
5959	469171.93	3819447.51	9.80E-11	4.11E-10	3.71E-11	5.47E-10	8.16E-11	3.02E-10	2.66E-11	4.11E-10	9.25E-12	5.30E-11	6.32E-12	6.85E-11	8.41E-12	2.77E-11	1.91E-12	3.81E-11
5960	469168.41	3819438.54	9.56E-11	4.02E-10	3.62E-11	5.33E-10	7.96E-11	2.95E-10	2.60E-11	4.01E-10	9.03E-12	5.17E-11	6.17E-12	6.69E-11	8.21E-12	2.71E-11	1.87E-12	3.71E-11
5961	470091.62	3820388.31	8.87E-10	3.72E-09	3.35E-10	4.95E-09	7.39E-10	2.74E-09	2.41E-10	3.72E-09	8.37E-11	4.79E-10	5.72E-11	6.20E-10	7.61E-11	2.51E-10	1.73E-11	3.44E-10
5962	470101.31	3820388.44	8.83E-10	3.71E-09	3.34E-10	4.92E-09	7.35E-10	2.72E-09	2.40E-10	3.70E-09	8.33E-11	4.77E-10	5.69E-11	6.17E-10	7.58E-11	2.50E-10	1.72E-11	3.43E-10
5963	470111.01	3820388.58	8.78E-10	3.69E-09	3.32E-10	4.90E-09	7.31E-10	2.71E-09	2.38E-10	3.68E-09	8.29E-11	4.75E-10	5.66E-11	6.14E-10	7.54E-11	2.48E-10	1.71E-11	3.41E-10
5964	470120.71	3820388.71	8.73E-10	3.67E-09	3.30E-10	4.87E-09	7.27E-10	2.69E-09	2.37E-10	3.66E-09	8.24E-11	4.72E-10	5.63E-11	6.11E-10	7.49E-11	2.47E-10	1.70E-11	3.39E-10
5965	470130.4	3820388.85	8.68E-10	3.64E-09	3.28E-10	4.84E-09	7.23E-10	2.68E-09	2.36E-10	3.64E-09	8.19E-11	4.69E-10	5.60E-11	6.07E-10	7.45E-11	2.46E-10	1.69E-11	3.37E-10
5966	470140.1	3820388.98	8.62E-10	3.62E-09	3.26E-10	4.81E-09	7.18E-10	2.66E-09	2.34E-10	3.61E-09	8.14E-11	4.66E-10	5.56E-11	6.03E-10	7.40E-11	2.44E-10	1.68E-11	3.35E-10
5967	470149.8	3820389.12	8.55E-10	3.59E-09	3.23E-10	4.77E-09	7.12E-10	2.64E-09	2.32E-10	3.58E-09	8.07E-11	4.62E-10	5.51E-11	5.98E-10	7.34E-11	2.42E-10	1.67E-11	3.32E-10
5968	470159.5	3820389.25	8.48E-10	3.56E-09	3.21E-10	4.73E-09	7.06E-10	2.62E-09	2.30E-10	3.55E-09	8.00E-11	4.58E-10	5.47E-11	5.93E-10	7.28E-11	2.40E-10	1.65E-11	3.29E-10
5969	470169.19	3820389.39	8.40E-10	3.53E-09	3.18E-10	4.68E-09	7.00E-10	2.59E-09	2.28E-10	3.52E-09	7.93E-11	4.54E-10	5.42E-11	5.88E-10	7.21E-11	2.38E-10	1.64E-11	3.26E-10
5970	470178.89	3820389.52	8.32E-10	3.50E-09	3.15E-10	4.64E-09	6.93E-10	2.57E-09	2.26E-10	3.49E-09	7.86E-11	4.50E-10	5.37E-11	5.82E-10	7.15E-11	2.36E-10	1.62E-11	3.23E-10
5971	470188.59	3820389.66	8.25E-10	3.46E-09	3.12E-10	4.60E-09	6.87E-10	2.54E-09	2.24E-10	3.46E-09	7.79E-11	4.46E-10	5.32E-11	5.77E-10	7.08E-11	2.33E-10	1.61E-11	3.20E-10
5972	470198.28	3820389.79	8.17E-10	3.43E-09	3.09E-10	4.56E-09	6.80E-10	2.52E-09	2.22E-10	3.42E-09	7.71E-11	4.42E-10	5.27E-11	5.71E-10	7.01E-11	2.31E-10	1.59E-11	3.17E-10
5973	470207.98	3820389.93	8.09E-10	3.40E-09	3.06E-10	4.51E-09	6.74E-10	2.50E-09	2.20E-10	3.39E-09	7.64E-11	4.37E-10	5.22E-11	5.66E-10	6.94E-11	2.29E-10	1.58E-11	3.14E-10
5974	470217.68	3820390.06	8.01E-10	3.36E-09	3.03E-10	4.47E-09	6.67E-10	2.47E-09	2.17E-10	3.35E-09	7.56E-11	4.33E-10	5.16E-11	5.60E-10	6.87E-11	2.27E-10	1.56E-11	3.11E-10
5975	470227.38	3820390.2	7.93E-10	3.33E-09	3.00E-10	4.42E-09	6.60E-10	2.45E-09	2.15E-10	3.32E-09	7.48E-11	4.28E-10	5.11E-11	5.54E-10	6.80E-11	2.24E-10	1.55E-11	3.08E-10
5976	470237.07	3820390.33	7.84E-10	3.29E-09	2.97E-10	4.37E-09	6.53E-10	2.42E-09	2.13E-10	3.29E-09	7.40E-11	4.24E-10	5.06E-11	5.49E-10	6.73E-11	2.22E-10	1.53E-11	3.05E-10
5977	470246.77	3820390.47	7.76E-10	3.26E-09	2.93E-10	4.33E-09	6.46E-10	2.39E-09	2.11E-10	3.25E-09	7.32E-11	4.19E-10	5.00E-11	5.43E-10	6.66E-11	2.20E-10	1.51E-11	3.01E-10
5978	470256.47	3820390.6	7.67E-10	3.22E-09	2.90E-10	4.28E-09	6.39E-10	2.37E-09	2.08E-10	3.22E-09	7.25E-11	4.15E-10	4.95E-11	5.37E-10	6.59E-11	2.17E-10	1.50E-11	2.98E-10
5979	470266.17	3820390.74	7.59E-10	3.19E-09	2.87E-10	4.23E-09	6.32E-10	2.34E-09	2.06E-10	3.18E-09	7.17E-11	4.10E-10	4.90E-11	5.31E-10	6.52E-11	2.15E-10	1.48E-11	2.95E-10
5980	470081.62	3820464.46	7.83E-10	3.29E-09	2.96E-10	4.37E-09	6.52E-10	2.42E-09	2.13E-10	3.28E-09	7.39E-11	4.23E-10	5.05E-11	5.48E-10	6.72E-11	2.22E-10	1.53E-11	3.04E-10
5981	470072.74	3820460.62	7.91E-10	3.32E-09	2.99E-10	4.41E-09	6.58E-10	2.44E-09	2.15E-10	3.31E-09	7.46E-11	4.27E-10	5.10E-11	5.53E-10	6.79E-11	2.24E-10	1.54E-11	3.07E-10
5982	470063.86	3820456.78	7.98E-10	3.35E-09	3.02E-10	4.45E-09	6.64E-10	2.46E-09	2.17E-10	3.34E-09	7.53E-11	4.31E-10	5.15E-11	5.58E-10	6.85E-11	2.26E-10	1.56E-11	3.10E-10
5983	470054.99	3820452.94	8.04E-10	3.38E-09	3.04E-10	4.49E-09	6.70E-10	2.48E-09	2.18E-10	3.37E-09	7.60E-11	4.35E-10	5.19E-11	5.63E-10	6.91E-11	2.28E-10	1.57E-11	3.12E-10
5984	470046.11	3820449.1	8.11E-10	3.40E-09	3.07E-10	4.52E-09	6.75E-10	2.50E-09	2.20E-10	3.40E-09	7.66E-11	4.38E-10	5.23E-11	5.67E-10	6.96E-11	2.29E-10	1.58E-11	3.15E-10
5985	470037.23	3820445.26	8.17E-10	3.43E-09	3.09E-10	4.56E-09	6.80E-10	2.52E-09	2.22E-10	3.42E-09	7.71E-11	4.42E-10	5.27E-11	5.71E-10	7.01E-11	2.31E-10	1.59E-11	3.17E-10
5986	470028.35	3820441.43	8.23E-10	3.45E-09	3.11E-10	4.59E-09	6.85E-10	2.54E-09	2.23E-10	3.45E-09	7.77E-11	4.45E-10	5.31E-11	5.75E-10	7.06E-11	2.33E-10	1.61E-11	3.20E-10
5987	470019.47	3820437.59	8.28E-10	3.48E-09	3.13E-10	4.62E-09	6.89E-10	2.55E-09	2.25E-10	3.47E-09	7.82E-11	4.47E-10	5.34E-11	5.79E-10	7.10E-11	2.34E-10	1.61E-11	3.21E-10
5988	470010.59	3820433.75	8.32E-10	3.49E-09	3.15E-10	4.64E-09	6.93E-10	2.57E-09	2.26E-10	3.49E-09	7.86E-11	4.50E-10	5.37E-11	5.82E-10	7.14E-11	2.35E-10	1.62E-11	3.23E-10
5989	470001.71	3820429.91	8.35E-10	3.51E-09	3.16E-10	4.66E-09	6.96E-10	2.58E-09	2.27E-10	3.50E-09	7.89E-11	4.52E-10	5.39E-11	5.84E-10	7.17E-11	2.36E-10	1.63E-11	3.24E-10
5990	469992.83	3820426.07	8.38E-10	3.52E-09	3.17E-10	4.68E-09	6.98E-10	2.59E-09	2.28E-10	3.51E-09	7.92E-11	4.53E-10	5.41E-11	5.87E-10	7.20E-11	2.37E-10	1.64E-11	3.26E-10
5991	469983.96	3820422.23	8.41E-10	3.53E-09	3.18E-10	4.69E-09	7.01E-10	2.60E-09	2.28E-10	3.52E-09	7.94E-11	4.55E-10	5.43E-11	5.88E-10	7.22E-11	2.38E-10	1.64E-11	3.27E-10
5992	469975.08	3820418.39	8.43E-10	3.54E-09	3.19E-10	4.70E-09	7.02E-10	2.60E-09	2.29E-10	3.53E-09	7.96E-11	4.56E-10	5.44E-11	5.90E-10	7.24E-11	2.39E-10	1.65E-11	3.28E-10
5993	469966.2	3820414.55	8.45E-10	3.55E-09	3.20E-10	4.71E-09	7.04E-10	2.61E-09	2.29E-10	3.54E-09	7.98E-11	4.57E-10	5.45E-11	5.91E-10	7.25E-11	2.39E-10	1.65E-11	3.28E-10
5994	469957.32	3820410.71	8.46E-10	3.55E-09	3.20E-10	4.72E-09	7.04E-10	2.61E-09	2.30E-10	3.54E-09	7.99E-11	4.57E-10	5.46E-11	5.92E-10	7.26E-11	2.39E-10	1.65E-11	3.29E-10
5995	469948.44	3820406.87	8.46E-10	3.55E-09	3.20E-10	4.72E-09	7.04E-10	2.61E-09	2.30E-10	3.54E-09	7.99E-11	4.57E-10	5.46E-11	5.92E-10	7.26E-11	2.39E-10	1.65E-11	3.29E-10
5996	469939.56	3820403.03	8.45E-10	3.55E-09	3.20E-10	4.71E-09	7.04E-10	2.61E-09	2.29E-10	3.54E-09	7.98E-11	4.57E-10	5.45E-11	5.91E-10	7.26E-11	2.39E-10	1.65E-11	3.28E-10

5997	469930.68	3820399.19	8.44E-10	3.54E-09	3.19E-10	4.71E-09	7.03E-10	2.60E-09	2.29E-10	3.54E-09	7.97E-11	4.56E-10	5.44E-11	5.90E-10	7.25E-11	2.39E-10	1.65E-11	3.28E-10
5998	469921.8	3820395.35	8.43E-10	3.54E-09	3.19E-10	4.70E-09	7.02E-10	2.60E-09	2.29E-10	3.53E-09	7.96E-11	4.56E-10	5.44E-11	5.90E-10	7.23E-11	2.39E-10	1.64E-11	3.27E-10
5999	469912.92	3820391.51	8.41E-10	3.53E-09	3.18E-10	4.69E-09	7.00E-10	2.59E-09	2.28E-10	3.52E-09	7.94E-11	4.55E-10	5.42E-11	5.88E-10	7.22E-11	2.38E-10	1.64E-11	3.27E-10
6000	469904.05	3820387.67	8.38E-10	3.52E-09	3.17E-10	4.68E-09	6.98E-10	2.59E-09	2.28E-10	3.51E-09	7.92E-11	4.53E-10	5.41E-11	5.86E-10	7.20E-11	2.37E-10	1.64E-11	3.26E-10
6001	469895.17	3820383.83	8.35E-10	3.51E-09	3.16E-10	4.66E-09	6.96E-10	2.58E-09	2.27E-10	3.50E-09	7.89E-11	4.52E-10	5.39E-11	5.84E-10	7.17E-11	2.36E-10	1.63E-11	3.24E-10
6002	469886.29	3820379.99	8.32E-10	3.49E-09	3.15E-10	4.64E-09	6.93E-10	2.57E-09	2.26E-10	3.48E-09	7.85E-11	4.50E-10	5.36E-11	5.82E-10	7.14E-11	2.35E-10	1.62E-11	3.23E-10
6003	469877.41	3820376.15	8.28E-10	3.48E-09	3.13E-10	4.62E-09	6.89E-10	2.55E-09	2.25E-10	3.47E-09	7.82E-11	4.47E-10	5.34E-11	5.79E-10	7.11E-11	2.34E-10	1.62E-11	3.21E-10
6004	469868.53	3820372.31	8.23E-10	3.46E-09	3.11E-10	4.59E-09	6.86E-10	2.54E-09	2.23E-10	3.45E-09	7.77E-11	4.45E-10	5.31E-11	5.76E-10	7.07E-11	2.33E-10	1.61E-11	3.20E-10
6005	469859.65	3820368.48	8.18E-10	3.44E-09	3.09E-10	4.56E-09	6.81E-10	2.52E-09	2.22E-10	3.43E-09	7.73E-11	4.42E-10	5.28E-11	5.72E-10	7.02E-11	2.32E-10	1.60E-11	3.18E-10
6006	469850.77	3820364.64	8.13E-10	3.41E-09	3.07E-10	4.53E-09	6.77E-10	2.51E-09	2.21E-10	3.41E-09	7.68E-11	4.39E-10	5.24E-11	5.69E-10	6.98E-11	2.30E-10	1.59E-11	3.16E-10
6007	469841.89	3820360.8	8.07E-10	3.39E-09	3.05E-10	4.50E-09	6.72E-10	2.49E-09	2.19E-10	3.38E-09	7.62E-11	4.36E-10	5.21E-11	5.65E-10	6.93E-11	2.28E-10	1.57E-11	3.14E-10
6008	469833.02	3820356.96	8.01E-10	3.37E-09	3.03E-10	4.47E-09	6.67E-10	2.47E-09	2.18E-10	3.36E-09	7.57E-11	4.33E-10	5.17E-11	5.61E-10	6.88E-11	2.27E-10	1.56E-11	3.11E-10
6009	469824.14	3820353.12	7.95E-10	3.34E-09	3.01E-10	4.44E-09	6.62E-10	2.45E-09	2.16E-10	3.33E-09	7.51E-11	4.30E-10	5.13E-11	5.56E-10	6.83E-11	2.25E-10	1.55E-11	3.09E-10
6010	469815.26	3820349.28	7.89E-10	3.31E-09	2.98E-10	4.40E-09	6.57E-10	2.43E-09	2.14E-10	3.31E-09	7.45E-11	4.26E-10	5.09E-11	5.52E-10	6.77E-11	2.23E-10	1.54E-11	3.06E-10
6011	469806.38	3820345.44	7.82E-10	3.28E-09	2.96E-10	4.36E-09	6.51E-10	2.41E-09	2.12E-10	3.28E-09	7.39E-11	4.23E-10	5.04E-11	5.47E-10	6.71E-11	2.21E-10	1.53E-11	3.04E-10
6012	469797.5	3820341.6	7.75E-10	3.26E-09	2.93E-10	4.32E-09	6.46E-10	2.39E-09	2.10E-10	3.25E-09	7.32E-11	4.19E-10	5.00E-11	5.42E-10	6.66E-11	2.19E-10	1.51E-11	3.01E-10
6013	469788.62	3820337.76	7.68E-10	3.23E-09	2.91E-10	4.29E-09	6.40E-10	2.37E-09	2.09E-10	3.22E-09	7.26E-11	4.15E-10	4.96E-11	5.38E-10	6.60E-11	2.18E-10	1.50E-11	2.98E-10
6014	469726.47	3820310.88	7.18E-10	3.01E-09	2.71E-10	4.00E-09	5.98E-10	2.22E-09	1.95E-10	3.01E-09	6.78E-11	3.88E-10	4.63E-11	5.02E-10	6.16E-11	2.03E-10	1.40E-11	2.79E-10
6015	469717.59	3820307.04	7.11E-10	2.98E-09	2.69E-10	3.96E-09	5.92E-10	2.19E-09	1.93E-10	2.98E-09	6.71E-11	3.84E-10	4.58E-11	4.97E-10	6.10E-11	2.01E-10	1.39E-11	2.76E-10
6016	469708.71	3820303.2	7.03E-10	2.95E-09	2.66E-10	3.92E-09	5.86E-10	2.17E-09	1.91E-10	2.95E-09	6.64E-11	3.80E-10	4.54E-11	4.92E-10	6.04E-11	1.99E-10	1.37E-11	2.73E-10
6017	469699.83	3820299.37	6.96E-10	2.92E-09	2.63E-10	3.88E-09	5.80E-10	2.15E-09	1.89E-10	2.92E-09	6.58E-11	3.76E-10	4.49E-11	4.87E-10	5.98E-11	1.97E-10	1.36E-11	2.71E-10
6018	469611.04	3820260.97	6.31E-10	2.65E-09	2.39E-10	3.52E-09	5.26E-10	1.95E-09	1.71E-10	2.65E-09	5.96E-11	3.41E-10	4.07E-11	4.42E-10	5.42E-11	1.79E-10	1.23E-11	2.45E-10
6019	469602.17	3820257.13	6.25E-10	2.63E-09	2.36E-10	3.49E-09	5.21E-10	1.93E-09	1.70E-10	2.62E-09	5.90E-11	3.38E-10	4.03E-11	4.37E-10	5.37E-11	1.77E-10	1.22E-11	2.43E-10
6020	469593.29	3820253.29	6.19E-10	2.60E-09	2.34E-10	3.45E-09	5.16E-10	1.91E-09	1.68E-10	2.59E-09	5.85E-11	3.35E-10	3.99E-11	4.33E-10	5.32E-11	1.75E-10	1.21E-11	2.41E-10
6021	469584.41	3820249.45	6.13E-10	2.58E-09	2.32E-10	3.42E-09	5.11E-10	1.89E-09	1.67E-10	2.57E-09	5.79E-11	3.32E-10	3.96E-11	4.29E-10	5.27E-11	1.74E-10	1.20E-11	2.38E-10
6022	469575.53	3820245.61	6.08E-10	2.55E-09	2.30E-10	3.39E-09	5.06E-10	1.87E-09	1.65E-10	2.55E-09	5.74E-11	3.28E-10	3.92E-11	4.25E-10	5.22E-11	1.72E-10	1.19E-11	2.36E-10
6023	469566.65	3820241.77	6.02E-10	2.53E-09	2.28E-10	3.36E-09	5.01E-10	1.86E-09	1.63E-10	2.52E-09	5.68E-11	3.25E-10	3.88E-11	4.21E-10	5.17E-11	1.70E-10	1.17E-11	2.34E-10
6024	469557.77	3820237.93	5.96E-10	2.50E-09	2.25E-10	3.32E-09	4.96E-10	1.84E-09	1.62E-10	2.50E-09	5.63E-11	3.22E-10	3.84E-11	4.17E-10	5.12E-11	1.69E-10	1.16E-11	2.31E-10
6025	469548.89	3820234.09	5.90E-10	2.48E-09	2.23E-10	3.29E-09	4.91E-10	1.82E-09	1.60E-10	2.47E-09	5.57E-11	3.19E-10	3.81E-11	4.13E-10	5.07E-11	1.67E-10	1.15E-11	2.29E-10
6026	469540.01	3820230.26	5.84E-10	2.45E-09	2.21E-10	3.26E-09	4.87E-10	1.80E-09	1.59E-10	2.45E-09	5.52E-11	3.16E-10	3.77E-11	4.09E-10	5.02E-11	1.65E-10	1.14E-11	2.27E-10
6027	469531.13	3820226.42	5.78E-10	2.43E-09	2.19E-10	3.23E-09	4.82E-10	1.78E-09	1.57E-10	2.42E-09	5.46E-11	3.13E-10	3.73E-11	4.05E-10	4.97E-11	1.64E-10	1.13E-11	2.25E-10
6028	469522.26	3820222.58	5.73E-10	2.40E-09	2.17E-10	3.19E-09	4.77E-10	1.77E-09	1.55E-10	2.40E-09	5.41E-11	3.10E-10	3.69E-11	4.01E-10	4.92E-11	1.62E-10	1.12E-11	2.22E-10
6029	469513.38	3820218.74	5.67E-10	2.38E-09	2.14E-10	3.16E-09	4.72E-10	1.75E-09	1.54E-10	2.37E-09	5.35E-11	3.06E-10	3.66E-11	3.96E-10	4.87E-11	1.60E-10	1.11E-11	2.20E-10
6030	469504.5	3820214.9	5.61E-10	2.36E-09	2.12E-10	3.13E-09	4.67E-10	1.73E-09	1.52E-10	2.35E-09	5.30E-11	3.03E-10	3.62E-11	3.92E-10	4.81E-11	1.59E-10	1.09E-11	2.18E-10
6031	469495.62	3820211.06	5.55E-10	2.33E-09	2.10E-10	3.10E-09	4.62E-10	1.71E-09	1.51E-10	2.33E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.16E-10
6032	469486.74	3820207.22	5.49E-10	2.31E-09	2.08E-10	3.06E-09	4.57E-10	1.69E-09	1.49E-10	2.30E-09	5.18E-11	2.97E-10	3.54E-11	3.84E-10	4.71E-11	1.55E-10	1.07E-11	2.13E-10
6033	469477.86	3820203.38	5.43E-10	2.28E-09	2.05E-10	3.03E-09	4.52E-10	1.67E-09	1.47E-10	2.27E-09	5.13E-11	2.93E-10	3.50E-11	3.80E-10	4.66E-11	1.54E-10	1.06E-11	2.11E-10
6034	469468.98	3820199.54	5.37E-10	2.25E-09	2.03E-10	2.99E-09	4.47E-10	1.66E-09	1.46E-10	2.25E-09	5.07E-11	2.90E-10	3.46E-11	3.75E-10	4.61E-11	1.52E-10	1.05E-11	2.08E-10
6035	469460.1	3820195.7	5.30E-10	2.23E-09	2.01E-10	2.96E-09	4.42E-10	1.64E-09	1.44E-10	2.22E-09	5.01E-11	2.87E-10	3.42E-11	3.71E-10	4.55E-11	1.50E-10	1.04E-11	2.06E-10
6036	469451.23	3820191.86	5.24E-10	2.20E-09	1.98E-10	2.92E-09	4.37E-10	1.62E-09	1.42E-10	2.20E-09	4.95E-11	2.83E-10	3.38E-11	3.67E-10	4.50E-11	1.48E-10	1.02E-11	2.04E-10
6037	469442.35	3820188.02	5.18E-10	2.17E-09	1.96E-10	2.89E-09	4.31E-10	1.60E-09	1.41E-10	2.17E-09	4.89E-11	2.80E-10	3.34E-11	3.62E-10	4.45E-11	1.47E-10	1.01E-11	2.01E-10
6038	469433.47	3820184.18	5.11E-10	2.15E-09	1.93E-10	2.85E-09	4.26E-10	1.58E-09	1.39E-10	2.14E-09	4.83E-11	2.77E-10	3.30E-11	3.58E-10	4.39E-11	1.45E-10	9.98E-12	1.99E-10
6039	469424.59	3820180.34	5.05E-10	2.12E-09	1.91E-10	2.82E-09	4.21E-10	1.56E-09	1.37E-10	2.12E-09	4.77E-11	2.73E-10	3.26E-11	3.53E-10	4.33E-11	1.43E-10	9.85E-12	1.96E-10
6040	469415.71	3820176.5	4.98E-10	2.09E-09	1.88E-10	2.78E-09	4.15E-10	1.54E-09	1.35E-10	2.09E-09	4.71E-11	2.69E-10	3.21E-11	3.49E-10	4.28E-11	1.41E-10	9.72E-12	1.94E-10
6041	469406.83	3820172.66	4.92E-10	2.06E-09	1.86E-10	2.74E-09	4.10E-10	1.52E-09	1.33E-10	2.06E-09	4.64E-11	2.66E-10	3.17E-11	3.44E-10	4.22E-11	1.39E-10	9.59E-12	1.91E-10
6042	469397.95	3820168.82	4.85E-10	2.04E-09	1.83E-10	2.70E-09	4.04E-10	1.50E-09	1.32E-10	2.03E-09	4.58E-11	2.62E-10	3.13E-11	3.39E-10	4.16E-11	1.37E-10	9.46E-12	1.88E-10
6043	469389.07	3820164.98	4.78E-10	2.01E-09	1.81E-10	2.67E-09	3.98E-10	1.48E-09	1.30E-10	2.00E-09	4.51E-11	2.58E-10	3.08E-11	3.34E-10	4.10E-11	1.35E-10	9.33E-12	1.86E-10
6044	469380.19	3820161.15	4.71E-10	1.98E-09	1.78E-10	2.63E-09	3.92E-10	1.45E-09	1.28E-10	1.97E-09	4.45E-11	2.55E-10	3.04E-11	3.30E-10	4.04E-11	1.33E-10	9.19E-12	1.83E-10
6045	469367.78	3820148.3	4.62E-10	1.94E-09	1.75E-10	2.58E-09	3.85E-10	1.43E-09	1.26E-10	1.94E-09	4.37E-11	2.50E-10	2.98E-11	3.23E-10	3.97E-11	1.31E-10	9.02E-12	1.80E-10
6046	469364.24	3820139.3	4.60E-10	1.93E-09	1.74E-10	2.57E-09	3.83E-10	1.42E-09	1.25E-10	1.93E-09	4.35E-11	2.49E-10	2.97E-11	3.22E-10	3.95E-11	1.30E-10	8.98E-12	1.79E-10

6047	469360.71	3820130.29	4.58E-10	1.92E-09	1.73E-10	2.56E-09	3.82E-10	1.41E-09	1.24E-10	1.92E-09	4.33E-11	2.48E-10	2.96E-11	3.21E-10	3.93E-11	1.30E-10	8.94E-12	1.78E-10
6048	469357.17	3820121.29	4.56E-10	1.91E-09	1.72E-10	2.54E-09	3.80E-10	1.41E-09	1.24E-10	1.91E-09	4.30E-11	2.46E-10	2.94E-11	3.19E-10	3.91E-11	1.29E-10	8.89E-12	1.77E-10
6049	469353.64	3820112.29	4.53E-10	1.90E-09	1.71E-10	2.53E-09	3.77E-10	1.40E-09	1.23E-10	1.90E-09	4.28E-11	2.45E-10	2.92E-11	3.17E-10	3.89E-11	1.28E-10	8.84E-12	1.76E-10
6050	469350.1	3820103.28	4.50E-10	1.89E-09	1.70E-10	2.51E-09	3.75E-10	1.39E-09	1.22E-10	1.89E-09	4.25E-11	2.43E-10	2.90E-11	3.15E-10	3.86E-11	1.27E-10	8.78E-12	1.75E-10
6051	469346.56	3820094.28	4.47E-10	1.88E-09	1.69E-10	2.49E-09	3.72E-10	1.38E-09	1.21E-10	1.87E-09	4.22E-11	2.42E-10	2.88E-11	3.13E-10	3.84E-11	1.27E-10	8.72E-12	1.74E-10
6052	469343.03	3820085.27	4.44E-10	1.86E-09	1.68E-10	2.48E-09	3.70E-10	1.37E-09	1.20E-10	1.86E-09	4.19E-11	2.40E-10	2.86E-11	3.10E-10	3.81E-11	1.26E-10	8.66E-12	1.72E-10
6053	469339.49	3820076.27	4.40E-10	1.85E-09	1.67E-10	2.46E-09	3.67E-10	1.36E-09	1.20E-10	1.84E-09	4.16E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.25E-10	8.59E-12	1.71E-10
6054	469335.96	3820067.27	4.37E-10	1.83E-09	1.65E-10	2.43E-09	3.64E-10	1.35E-09	1.19E-10	1.83E-09	4.12E-11	2.36E-10	2.82E-11	3.05E-10	3.75E-11	1.24E-10	8.52E-12	1.70E-10
6055	469332.42	3820058.26	4.33E-10	1.82E-09	1.64E-10	2.41E-09	3.60E-10	1.33E-09	1.17E-10	1.81E-09	4.08E-11	2.34E-10	2.79E-11	3.03E-10	3.71E-11	1.22E-10	8.44E-12	1.68E-10
6056	469328.88	3820049.26	4.28E-10	1.80E-09	1.62E-10	2.39E-09	3.57E-10	1.32E-09	1.16E-10	1.79E-09	4.04E-11	2.32E-10	2.76E-11	3.00E-10	3.68E-11	1.21E-10	8.36E-12	1.66E-10
6057	469325.35	3820040.25	4.24E-10	1.78E-09	1.60E-10	2.36E-09	3.53E-10	1.31E-09	1.15E-10	1.78E-09	4.00E-11	2.29E-10	2.73E-11	2.97E-10	3.64E-11	1.20E-10	8.27E-12	1.65E-10
6058	469190.98	3819698.1	1.83E-10	7.68E-10	6.92E-11	1.02E-09	1.52E-10	5.64E-10	4.96E-11	7.66E-10	1.73E-11	9.89E-11	1.18E-11	1.28E-10	1.57E-11	5.18E-11	3.57E-12	7.10E-11
6059	469187.45	3819689.1	1.77E-10	7.44E-10	6.70E-11	9.89E-10	1.48E-10	5.47E-10	4.81E-11	7.43E-10	1.67E-11	9.58E-11	1.14E-11	1.24E-10	1.52E-11	5.02E-11	3.46E-12	6.89E-11
6060	469183.91	3819680.09	1.72E-10	7.21E-10	6.50E-11	9.58E-10	1.43E-10	5.30E-10	4.66E-11	7.20E-10	1.62E-11	9.29E-11	1.11E-11	1.20E-10	1.47E-11	4.86E-11	3.35E-12	6.67E-11
6061	469180.37	3819671.09	1.67E-10	6.99E-10	6.30E-11	9.29E-10	1.39E-10	5.14E-10	4.52E-11	6.98E-10	1.57E-11	9.00E-11	1.07E-11	1.16E-10	1.43E-11	4.71E-11	3.25E-12	6.47E-11
6062	469176.84	3819662.09	1.61E-10	6.78E-10	6.10E-11	9.00E-10	1.34E-10	4.98E-10	4.38E-11	6.76E-10	1.52E-11	8.72E-11	1.04E-11	1.13E-10	1.39E-11	4.57E-11	3.15E-12	6.27E-11
6063	469173.3	3819653.08	1.56E-10	6.56E-10	5.91E-11	8.72E-10	1.30E-10	4.82E-10	4.24E-11	6.55E-10	1.48E-11	8.45E-11	1.01E-11	1.09E-10	1.34E-11	4.42E-11	3.05E-12	6.07E-11
6064	469169.77	3819644.08	1.51E-10	6.36E-10	5.73E-11	8.45E-10	1.26E-10	4.67E-10	4.11E-11	6.34E-10	1.43E-11	8.19E-11	9.77E-12	1.06E-10	1.30E-11	4.29E-11	2.95E-12	5.88E-11
6065	469166.23	3819635.07	1.47E-10	6.16E-10	5.55E-11	8.18E-10	1.22E-10	4.53E-10	3.98E-11	6.15E-10	1.39E-11	7.93E-11	9.46E-12	1.03E-10	1.26E-11	4.15E-11	2.86E-12	5.70E-11
6066	469162.7	3819626.07	1.42E-10	5.97E-10	5.38E-11	7.93E-10	1.18E-10	4.39E-10	3.86E-11	5.96E-10	1.34E-11	7.69E-11	9.17E-12	9.94E-11	1.22E-11	4.02E-11	2.77E-12	5.52E-11
6067	469159.16	3819617.07	1.38E-10	5.79E-10	5.21E-11	7.69E-10	1.15E-10	4.25E-10	3.74E-11	5.77E-10	1.30E-11	7.45E-11	8.89E-12	9.64E-11	1.18E-11	3.90E-11	2.69E-12	5.35E-11
6068	469155.62	3819608.06	1.34E-10	5.61E-10	5.05E-11	7.45E-10	1.11E-10	4.12E-10	3.62E-11	5.59E-10	1.26E-11	7.22E-11	8.61E-12	9.34E-11	1.15E-11	3.78E-11	2.61E-12	5.19E-11
6069	469152.09	3819599.06	1.29E-10	5.44E-10	4.90E-11	7.22E-10	1.08E-10	4.00E-10	3.52E-11	5.43E-10	1.22E-11	7.00E-11	8.35E-12	9.06E-11	1.11E-11	3.67E-11	2.53E-12	5.03E-11
6070	469148.55	3819590.05	1.26E-10	5.28E-10	4.75E-11	7.01E-10	1.05E-10	3.88E-10	3.41E-11	5.26E-10	1.19E-11	6.79E-11	8.10E-12	8.79E-11	1.08E-11	3.56E-11	2.45E-12	4.88E-11
6071	469145.02	3819581.05	1.22E-10	5.12E-10	4.61E-11	6.80E-10	1.02E-10	3.76E-10	3.31E-11	5.11E-10	1.15E-11	6.59E-11	7.87E-12	8.53E-11	1.05E-11	3.45E-11	2.38E-12	4.74E-11
6072	469141.48	3819572.05	1.18E-10	4.97E-10	4.48E-11	6.61E-10	9.86E-11	3.65E-10	3.21E-11	4.96E-10	1.12E-11	6.40E-11	7.64E-12	8.28E-11	1.02E-11	3.35E-11	2.31E-12	4.60E-11
6073	469137.94	3819563.04	1.15E-10	4.83E-10	4.35E-11	6.41E-10	9.58E-11	3.55E-10	3.12E-11	4.82E-10	1.09E-11	6.22E-11	7.42E-12	8.05E-11	9.87E-12	3.26E-11	2.24E-12	4.47E-11
6074	469134.41	3819554.04	1.12E-10	4.69E-10	4.23E-11	6.23E-10	9.31E-11	3.45E-10	3.03E-11	4.68E-10	1.06E-11	6.04E-11	7.21E-12	7.82E-11	9.60E-12	3.16E-11	2.18E-12	4.34E-11
6075	469130.87	3819545.03	1.09E-10	4.56E-10	4.11E-11	6.06E-10	9.05E-11	3.35E-10	2.95E-11	4.55E-10	1.03E-11	5.87E-11	7.01E-12	7.60E-11	9.33E-12	3.08E-11	2.12E-12	4.22E-11
6076	469127.34	3819536.03	1.06E-10	4.44E-10	4.00E-11	5.90E-10	8.80E-11	3.26E-10	2.87E-11	4.43E-10	9.98E-12	5.71E-11	6.82E-12	7.39E-11	9.07E-12	2.99E-11	2.06E-12	4.11E-11
6077	469123.8	3819527.03	1.03E-10	4.32E-10	3.89E-11	5.74E-10	8.57E-11	3.17E-10	2.79E-11	4.31E-10	9.71E-12	5.56E-11	6.63E-12	7.19E-11	8.83E-12	2.91E-11	2.01E-12	3.99E-11
6078	469120.26	3819518.02	1.00E-10	4.21E-10	3.79E-11	5.59E-10	8.34E-11	3.09E-10	2.72E-11	4.20E-10	9.46E-12	5.41E-11	6.46E-12	7.01E-11	8.60E-12	2.84E-11	1.95E-12	3.89E-11
6079	469116.73	3819509.02	9.75E-11	4.10E-10	3.69E-11	5.44E-10	8.13E-11	3.01E-10	2.65E-11	4.09E-10	9.21E-12	5.27E-11	6.29E-12	6.82E-11	8.37E-12	2.76E-11	1.90E-12	3.79E-11
6080	469113.19	3819500.01	9.51E-11	3.99E-10	3.60E-11	5.30E-10	7.92E-11	2.93E-10	2.58E-11	3.98E-10	8.98E-12	5.14E-11	6.13E-12	6.65E-11	8.16E-12	2.69E-11	1.85E-12	3.69E-11
6081	469109.66	3819491.01	9.26E-11	3.89E-10	3.50E-11	5.17E-10	7.72E-11	2.86E-10	2.51E-11	3.88E-10	8.75E-12	5.01E-11	5.98E-12	6.48E-11	7.95E-12	2.62E-11	1.81E-12	3.60E-11
6082	469106.12	3819482.01	9.03E-11	3.79E-10	3.41E-11	5.04E-10	7.52E-11	2.79E-10	2.45E-11	3.78E-10	8.53E-12	4.88E-11	5.82E-12	6.32E-11	7.75E-12	2.56E-11	1.76E-12	3.51E-11
6083	469102.58	3819473	8.80E-11	3.70E-10	3.33E-11	4.91E-10	7.33E-11	2.72E-10	2.39E-11	3.69E-10	8.31E-12	4.76E-11	5.68E-12	6.16E-11	7.56E-12	2.49E-11	1.72E-12	3.42E-11
6084	470090.5	3820468.3	7.75E-10	3.26E-09	2.93E-10	4.32E-09	6.46E-10	2.39E-09	2.10E-10	3.25E-09	7.32E-11	4.19E-10	5.00E-11	5.42E-10	6.65E-11	2.19E-10	1.51E-11	3.01E-10
6085	470100.2	3820468.44	7.71E-10	3.24E-09	2.92E-10	4.30E-09	6.42E-10	2.38E-09	2.09E-10	3.23E-09	7.28E-11	4.17E-10	4.97E-11	5.39E-10	6.62E-11	2.18E-10	1.50E-11	2.99E-10
6086	470109.9	3820468.57	7.67E-10	3.22E-09	2.90E-10	4.28E-09	6.39E-10	2.37E-09	2.08E-10	3.21E-09	7.24E-11	4.14E-10	4.95E-11	5.36E-10	6.58E-11	2.17E-10	1.50E-11	2.98E-10
6087	470119.59	3820468.71	7.62E-10	3.20E-09	2.88E-10	4.25E-09	6.35E-10	2.35E-09	2.07E-10	3.19E-09	7.20E-11	4.12E-10	4.92E-11	5.33E-10	6.54E-11	2.16E-10	1.49E-11	2.96E-10
6088	470129.29	3820468.84	7.58E-10	3.18E-09	2.86E-10	4.23E-09	6.31E-10	2.34E-09	2.06E-10	3.17E-09	7.15E-11	4.10E-10	4.89E-11	5.30E-10	6.50E-11	2.14E-10	1.48E-11	2.94E-10
6089	470138.99	3820468.98	7.52E-10	3.16E-09	2.85E-10	4.20E-09	6.27E-10	2.32E-09	2.04E-10	3.15E-09	7.10E-11	4.07E-10	4.85E-11	5.26E-10	6.46E-11	2.13E-10	1.47E-11	2.92E-10
6090	470148.68	3820469.11	7.47E-10	3.14E-09	2.82E-10	4.16E-09	6.22E-10	2.30E-09	2.03E-10	3.13E-09	7.05E-11	4.04E-10	4.82E-11	5.22E-10	6.41E-11	2.11E-10	1.46E-11	2.90E-10
6091	470158.38	3820469.25	7.41E-10	3.11E-09	2.80E-10	4.13E-09	6.17E-10	2.29E-09	2.01E-10	3.10E-09	6.99E-11	4.00E-10	4.78E-11	5.18E-10	6.36E-11	2.10E-10	1.44E-11	2.88E-10
6092	470168.08	3820469.38	7.34E-10	3.08E-09	2.78E-10	4.10E-09	6.12E-10	2.27E-09	1.99E-10	3.08E-09	6.93E-11	3.97E-10	4.74E-11	5.14E-10	6.30E-11	2.08E-10	1.43E-11	2.85E-10
6093	470177.78	3820469.52	7.28E-10	3.06E-09	2.75E-10	4.06E-09	6.06E-10	2.25E-09	1.98E-10	3.05E-09	6.87E-11	3.93E-10	4.69E-11	5.09E-10	6.25E-11	2.06E-10	1.42E-11	2.83E-10
6094	470187.47	3820469.65	7.21E-10	3.03E-09	2.73E-10	4.02E-09	6.01E-10	2.23E-09	1.96E-10	3.02E-09	6.81E-11	3.90E-10	4.65E-11	5.04E-10	6.19E-11	2.04E-10	1.41E-11	2.80E-10
6095	470197.17	3820469.79	7.14E-10	3.00E-09	2.70E-10	3.99E-09	5.95E-10	2.20E-09	1.94E-10	2.99E-09	6.75E-11	3.86E-10	4.61E-11	5.00E-10	6.13E-11	2.02E-10	1.39E-11	2.78E-10
6096	470206.87	3820469.92	7.08E-10	2.97E-09	2.68E-10	3.95E-09	5.89E-10	2.18E-09	1.92E-10	2.97E-09	6.68E-11	3.83E-10	4.56E-11	4.95E-10	6.08E-11	2.00E-10	1.38E-11	2.75E-10

6097	470216.57	3820470.06	7.01E-10	2.94E-09	2.65E-10	3.91E-09	5.84E-10	2.16E-09	1.90E-10	2.94E-09	6.62E-11	3.79E-10	4.52E-11	4.90E-10	6.02E-11	1.98E-10	1.37E-11	2.72E-10
6098	470226.26	3820470.19	6.94E-10	2.91E-09	2.63E-10	3.87E-09	5.78E-10	2.14E-09	1.88E-10	2.91E-09	6.55E-11	3.75E-10	4.48E-11	4.86E-10	5.96E-11	1.96E-10	1.35E-11	2.70E-10
6099	470235.96	3820470.33	6.87E-10	2.89E-09	2.60E-10	3.83E-09	5.72E-10	2.12E-09	1.87E-10	2.88E-09	6.49E-11	3.71E-10	4.43E-11	4.81E-10	5.90E-11	1.94E-10	1.34E-11	2.67E-10
6100	470245.66	3820470.46	6.80E-10	2.86E-09	2.57E-10	3.79E-09	5.67E-10	2.10E-09	1.85E-10	2.85E-09	6.42E-11	3.68E-10	4.39E-11	4.76E-10	5.84E-11	1.93E-10	1.33E-11	2.64E-10
6101	470255.35	3820470.6	6.73E-10	2.83E-09	2.55E-10	3.76E-09	5.61E-10	2.08E-09	1.83E-10	2.82E-09	6.36E-11	3.64E-10	4.34E-11	4.71E-10	5.78E-11	1.91E-10	1.31E-11	2.62E-10
6102	470265.05	3820470.73	6.67E-10	2.80E-09	2.52E-10	3.72E-09	5.55E-10	2.06E-09	1.81E-10	2.79E-09	6.29E-11	3.60E-10	4.30E-11	4.66E-10	5.72E-11	1.89E-10	1.30E-11	2.59E-10
6103	470080.57	3820544.48	6.92E-10	2.91E-09	2.62E-10	3.86E-09	5.76E-10	2.14E-09	1.88E-10	2.90E-09	6.54E-11	3.74E-10	4.46E-11	4.84E-10	5.94E-11	1.96E-10	1.35E-11	2.69E-10
6104	470071.76	3820540.67	6.99E-10	2.93E-09	2.64E-10	3.90E-09	5.82E-10	2.16E-09	1.90E-10	2.93E-09	6.60E-11	3.78E-10	4.51E-11	4.89E-10	6.00E-11	1.98E-10	1.36E-11	2.71E-10
6105	470062.95	3820536.86	7.05E-10	2.96E-09	2.67E-10	3.93E-09	5.87E-10	2.18E-09	1.91E-10	2.95E-09	6.66E-11	3.81E-10	4.55E-11	4.93E-10	6.05E-11	2.00E-10	1.38E-11	2.74E-10
6106	470054.13	3820533.05	7.11E-10	2.99E-09	2.69E-10	3.97E-09	5.92E-10	2.19E-09	1.93E-10	2.98E-09	6.72E-11	3.84E-10	4.59E-11	4.97E-10	6.10E-11	2.01E-10	1.39E-11	2.76E-10
6107	470045.32	3820529.24	7.17E-10	3.01E-09	2.71E-10	4.00E-09	5.97E-10	2.21E-09	1.95E-10	3.00E-09	6.77E-11	3.88E-10	4.62E-11	5.01E-10	6.15E-11	2.03E-10	1.40E-11	2.78E-10
6108	470036.51	3820525.43	7.22E-10	3.03E-09	2.73E-10	4.03E-09	6.02E-10	2.23E-09	1.96E-10	3.03E-09	6.82E-11	3.90E-10	4.66E-11	5.05E-10	6.20E-11	2.04E-10	1.41E-11	2.81E-10
6109	470027.69	3820521.61	7.27E-10	3.05E-09	2.75E-10	4.06E-09	6.06E-10	2.24E-09	1.97E-10	3.05E-09	6.87E-11	3.93E-10	4.69E-11	5.09E-10	6.24E-11	2.06E-10	1.42E-11	2.82E-10
6110	470018.88	3820517.8	7.32E-10	3.07E-09	2.77E-10	4.08E-09	6.09E-10	2.26E-09	1.99E-10	3.07E-09	6.91E-11	3.96E-10	4.72E-11	5.12E-10	6.28E-11	2.07E-10	1.43E-11	2.84E-10
6111	470010.07	3820513.99	7.36E-10	3.09E-09	2.78E-10	4.11E-09	6.13E-10	2.27E-09	2.00E-10	3.08E-09	6.95E-11	3.98E-10	4.75E-11	5.15E-10	6.32E-11	2.08E-10	1.44E-11	2.86E-10
6112	470001.25	3820510.18	7.40E-10	3.11E-09	2.80E-10	4.13E-09	6.16E-10	2.28E-09	2.01E-10	3.10E-09	6.99E-11	4.00E-10	4.77E-11	5.18E-10	6.35E-11	2.09E-10	1.44E-11	2.87E-10
6113	469992.44	3820506.37	7.44E-10	3.12E-09	2.81E-10	4.15E-09	6.19E-10	2.29E-09	2.02E-10	3.12E-09	7.02E-11	4.02E-10	4.80E-11	5.20E-10	6.38E-11	2.10E-10	1.45E-11	2.89E-10
6114	469983.63	3820502.56	7.47E-10	3.14E-09	2.82E-10	4.16E-09	6.22E-10	2.30E-09	2.03E-10	3.13E-09	7.05E-11	4.04E-10	4.82E-11	5.22E-10	6.41E-11	2.11E-10	1.46E-11	2.90E-10
6115	469974.81	3820498.75	7.49E-10	3.15E-09	2.83E-10	4.18E-09	6.24E-10	2.31E-09	2.03E-10	3.14E-09	7.07E-11	4.05E-10	4.83E-11	5.24E-10	6.43E-11	2.12E-10	1.46E-11	2.91E-10
6116	469966	3820494.94	7.51E-10	3.15E-09	2.84E-10	4.19E-09	6.26E-10	2.32E-09	2.04E-10	3.15E-09	7.09E-11	4.06E-10	4.84E-11	5.25E-10	6.45E-11	2.13E-10	1.47E-11	2.92E-10
6117	469957.18	3820491.13	7.53E-10	3.16E-09	2.85E-10	4.20E-09	6.27E-10	2.32E-09	2.04E-10	3.15E-09	7.11E-11	4.07E-10	4.85E-11	5.27E-10	6.46E-11	2.13E-10	1.47E-11	2.92E-10
6118	469948.37	3820487.31	7.53E-10	3.16E-09	2.85E-10	4.20E-09	6.28E-10	2.33E-09	2.05E-10	3.16E-09	7.12E-11	4.07E-10	4.86E-11	5.27E-10	6.47E-11	2.13E-10	1.47E-11	2.93E-10
6119	469939.56	3820483.5	7.54E-10	3.17E-09	2.85E-10	4.20E-09	6.28E-10	2.33E-09	2.05E-10	3.16E-09	7.12E-11	4.08E-10	4.86E-11	5.27E-10	6.47E-11	2.13E-10	1.47E-11	2.93E-10
6120	469930.74	3820479.69	7.54E-10	3.17E-09	2.85E-10	4.20E-09	6.28E-10	2.33E-09	2.05E-10	3.16E-09	7.12E-11	4.07E-10	4.86E-11	5.27E-10	6.47E-11	2.13E-10	1.47E-11	2.93E-10
6121	469921.93	3820475.88	7.53E-10	3.16E-09	2.85E-10	4.20E-09	6.27E-10	2.32E-09	2.04E-10	3.16E-09	7.11E-11	4.07E-10	4.86E-11	5.27E-10	6.47E-11	2.13E-10	1.47E-11	2.93E-10
6122	469913.12	3820472.07	7.52E-10	3.16E-09	2.85E-10	4.20E-09	6.27E-10	2.32E-09	2.04E-10	3.15E-09	7.11E-11	4.07E-10	4.85E-11	5.26E-10	6.46E-11	2.13E-10	1.47E-11	2.92E-10
6123	469904.3	3820468.26	7.51E-10	3.15E-09	2.84E-10	4.19E-09	6.26E-10	2.32E-09	2.04E-10	3.15E-09	7.09E-11	4.06E-10	4.84E-11	5.25E-10	6.45E-11	2.13E-10	1.47E-11	2.92E-10
6124	469895.49	3820464.45	7.49E-10	3.15E-09	2.83E-10	4.18E-09	6.24E-10	2.31E-09	2.03E-10	3.14E-09	7.08E-11	4.05E-10	4.83E-11	5.24E-10	6.43E-11	2.12E-10	1.46E-11	2.91E-10
6125	469886.68	3820460.64	7.47E-10	3.14E-09	2.82E-10	4.17E-09	6.22E-10	2.31E-09	2.03E-10	3.13E-09	7.05E-11	4.04E-10	4.82E-11	5.23E-10	6.41E-11	2.11E-10	1.46E-11	2.90E-10
6126	469877.86	3820456.82	7.44E-10	3.12E-09	2.81E-10	4.15E-09	6.20E-10	2.30E-09	2.02E-10	3.12E-09	7.03E-11	4.02E-10	4.80E-11	5.21E-10	6.39E-11	2.11E-10	1.45E-11	2.89E-10
6127	469869.05	3820453.01	7.41E-10	3.11E-09	2.80E-10	4.13E-09	6.17E-10	2.29E-09	2.01E-10	3.10E-09	7.00E-11	4.01E-10	4.78E-11	5.18E-10	6.36E-11	2.10E-10	1.45E-11	2.88E-10
6128	469860.24	3820449.2	7.38E-10	3.10E-09	2.79E-10	4.11E-09	6.14E-10	2.28E-09	2.00E-10	3.09E-09	6.97E-11	3.99E-10	4.76E-11	5.16E-10	6.33E-11	2.09E-10	1.44E-11	2.87E-10
6129	469851.42	3820445.39	7.34E-10	3.08E-09	2.78E-10	4.09E-09	6.11E-10	2.26E-09	1.99E-10	3.08E-09	6.93E-11	3.97E-10	4.73E-11	5.13E-10	6.30E-11	2.08E-10	1.43E-11	2.85E-10
6130	469842.61	3820441.58	7.30E-10	3.07E-09	2.76E-10	4.07E-09	6.08E-10	2.25E-09	1.98E-10	3.06E-09	6.89E-11	3.95E-10	4.71E-11	5.11E-10	6.27E-11	2.07E-10	1.42E-11	2.83E-10
6131	469833.79	3820437.77	7.26E-10	3.05E-09	2.74E-10	4.05E-09	6.04E-10	2.24E-09	1.97E-10	3.04E-09	6.85E-11	3.92E-10	4.68E-11	5.08E-10	6.23E-11	2.05E-10	1.42E-11	2.82E-10
6132	469824.98	3820433.96	7.21E-10	3.03E-09	2.73E-10	4.02E-09	6.00E-10	2.22E-09	1.96E-10	3.02E-09	6.81E-11	3.90E-10	4.65E-11	5.04E-10	6.19E-11	2.04E-10	1.41E-11	2.80E-10
6133	469816.17	3820430.15	7.16E-10	3.01E-09	2.71E-10	3.99E-09	5.96E-10	2.21E-09	1.94E-10	3.00E-09	6.76E-11	3.87E-10	4.62E-11	5.01E-10	6.15E-11	2.03E-10	1.40E-11	2.78E-10
6134	469807.35	3820426.33	7.11E-10	2.99E-09	2.69E-10	3.97E-09	5.92E-10	2.19E-09	1.93E-10	2.98E-09	6.71E-11	3.84E-10	4.59E-11	4.97E-10	6.10E-11	2.01E-10	1.39E-11	2.76E-10
6135	469798.54	3820422.52	7.05E-10	2.96E-09	2.67E-10	3.93E-09	5.88E-10	2.18E-09	1.91E-10	2.96E-09	6.66E-11	3.81E-10	4.55E-11	4.93E-10	6.06E-11	2.00E-10	1.38E-11	2.74E-10
6136	469789.73	3820418.71	7.00E-10	2.94E-09	2.65E-10	3.90E-09	5.83E-10	2.16E-09	1.90E-10	2.93E-09	6.61E-11	3.78E-10	4.51E-11	4.89E-10	6.01E-11	1.98E-10	1.37E-11	2.72E-10
6137	469780.91	3820414.9	6.94E-10	2.91E-09	2.62E-10	3.87E-09	5.78E-10	2.14E-09	1.88E-10	2.91E-09	6.55E-11	3.75E-10	4.48E-11	4.85E-10	5.96E-11	1.96E-10	1.35E-11	2.70E-10
6138	469772.1	3820411.09	6.88E-10	2.89E-09	2.60E-10	3.84E-09	5.73E-10	2.12E-09	1.87E-10	2.88E-09	6.50E-11	3.72E-10	4.44E-11	4.81E-10	5.91E-11	1.95E-10	1.34E-11	2.67E-10
6139	469763.29	3820407.28	6.82E-10	2.87E-09	2.58E-10	3.81E-09	5.68E-10	2.11E-09	1.85E-10	2.86E-09	6.44E-11	3.69E-10	4.40E-11	4.77E-10	5.86E-11	1.93E-10	1.33E-11	2.65E-10
6140	469754.47	3820403.47	6.76E-10	2.84E-09	2.56E-10	3.77E-09	5.63E-10	2.09E-09	1.84E-10	2.83E-09	6.39E-11	3.66E-10	4.36E-11	4.73E-10	5.81E-11	1.91E-10	1.32E-11	2.63E-10
6141	469745.66	3820399.66	6.70E-10	2.81E-09	2.54E-10	3.74E-09	5.58E-10	2.07E-09	1.82E-10	2.81E-09	6.33E-11	3.62E-10	4.32E-11	4.69E-10	5.75E-11	1.90E-10	1.31E-11	2.60E-10
6142	469736.85	3820395.84	6.64E-10	2.79E-09	2.51E-10	3.70E-09	5.53E-10	2.05E-09	1.80E-10	2.78E-09	6.27E-11	3.59E-10	4.28E-11	4.65E-10	5.70E-11	1.88E-10	1.30E-11	2.58E-10
6143	469728.03	3820392.03	6.58E-10	2.76E-09	2.49E-10	3.67E-09	5.48E-10	2.03E-09	1.79E-10	2.76E-09	6.21E-11	3.56E-10	4.24E-11	4.60E-10	5.65E-11	1.86E-10	1.28E-11	2.56E-10
6144	469719.22	3820388.22	6.52E-10	2.74E-09	2.46E-10	3.64E-09	5.43E-10	2.01E-09	1.77E-10	2.73E-09	6.15E-11	3.52E-10	4.20E-11	4.56E-10	5.59E-11	1.84E-10	1.27E-11	2.53E-10
6145	469710.41	3820384.41	6.46E-10	2.71E-09	2.44E-10	3.60E-09	5.38E-10	1.99E-09	1.75E-10	2.71E-09	6.10E-11	3.49E-10	4.16E-11	4.52E-10	5.54E-11	1.83E-10	1.26E-11	2.51E-10
6146	469701.59	3820380.6	6.39E-10	2.69E-09	2.42E-10	3.57E-09	5.33E-10	1.97E-09	1.74E-10	2.68E-09	6.04E-11	3.46E-10	4.12E-11	4.47E-10	5.49E-11	1.81E-10	1.25E-11	2.48E-10

6147	469613.46	3820342.49	5.82E-10	2.45E-09	2.20E-10	3.25E-09	4.85E-10	1.80E-09	1.58E-10	2.44E-09	5.50E-11	3.15E-10	3.76E-11	4.07E-10	5.00E-11	1.65E-10	1.14E-11	2.26E-10
6148	469604.64	3820338.68	5.77E-10	2.42E-09	2.18E-10	3.22E-09	4.81E-10	1.78E-09	1.57E-10	2.42E-09	5.45E-11	3.12E-10	3.72E-11	4.04E-10	4.95E-11	1.63E-10	1.13E-11	2.24E-10
6149	469595.83	3820334.87	5.72E-10	2.40E-09	2.16E-10	3.19E-09	4.76E-10	1.76E-09	1.55E-10	2.40E-09	5.40E-11	3.09E-10	3.69E-11	4.00E-10	4.91E-11	1.62E-10	1.12E-11	2.22E-10
6150	469587.02	3820331.05	5.67E-10	2.38E-09	2.14E-10	3.16E-09	4.72E-10	1.75E-09	1.54E-10	2.38E-09	5.35E-11	3.06E-10	3.66E-11	3.97E-10	4.87E-11	1.60E-10	1.11E-11	2.20E-10
6151	469578.2	3820327.24	5.62E-10	2.36E-09	2.12E-10	3.13E-09	4.68E-10	1.73E-09	1.53E-10	2.35E-09	5.31E-11	3.04E-10	3.62E-11	3.93E-10	4.82E-11	1.59E-10	1.10E-11	2.18E-10
6152	469569.39	3820323.43	5.57E-10	2.34E-09	2.11E-10	3.11E-09	4.64E-10	1.72E-09	1.51E-10	2.33E-09	5.26E-11	3.01E-10	3.59E-11	3.90E-10	4.78E-11	1.58E-10	1.09E-11	2.16E-10
6153	469560.57	3820319.62	5.52E-10	2.32E-09	2.09E-10	3.08E-09	4.60E-10	1.70E-09	1.50E-10	2.31E-09	5.21E-11	2.98E-10	3.56E-11	3.86E-10	4.74E-11	1.56E-10	1.08E-11	2.14E-10
6154	469551.76	3820315.81	5.47E-10	2.30E-09	2.07E-10	3.05E-09	4.56E-10	1.69E-09	1.49E-10	2.29E-09	5.17E-11	2.96E-10	3.53E-11	3.83E-10	4.70E-11	1.55E-10	1.07E-11	2.13E-10
6155	469542.95	3820312	5.43E-10	2.28E-09	2.05E-10	3.03E-09	4.52E-10	1.67E-09	1.47E-10	2.27E-09	5.12E-11	2.93E-10	3.50E-11	3.80E-10	4.66E-11	1.54E-10	1.06E-11	2.11E-10
6156	469534.13	3820308.19	5.38E-10	2.26E-09	2.03E-10	3.00E-09	4.48E-10	1.66E-09	1.46E-10	2.25E-09	5.08E-11	2.91E-10	3.47E-11	3.76E-10	4.62E-11	1.52E-10	1.05E-11	2.09E-10
6157	469525.32	3820304.38	5.33E-10	2.24E-09	2.02E-10	2.97E-09	4.44E-10	1.65E-09	1.45E-10	2.23E-09	5.04E-11	2.88E-10	3.44E-11	3.73E-10	4.58E-11	1.51E-10	1.04E-11	2.07E-10
6158	469516.51	3820300.56	5.29E-10	2.22E-09	2.00E-10	2.95E-09	4.40E-10	1.63E-09	1.44E-10	2.22E-09	4.99E-11	2.86E-10	3.41E-11	3.70E-10	4.54E-11	1.50E-10	1.03E-11	2.05E-10
6159	469507.69	3820296.75	5.24E-10	2.20E-09	1.98E-10	2.92E-09	4.36E-10	1.62E-09	1.42E-10	2.20E-09	4.95E-11	2.83E-10	3.38E-11	3.67E-10	4.50E-11	1.48E-10	1.02E-11	2.04E-10
6160	469498.88	3820292.94	5.19E-10	2.18E-09	1.96E-10	2.90E-09	4.33E-10	1.60E-09	1.41E-10	2.18E-09	4.90E-11	2.81E-10	3.35E-11	3.63E-10	4.46E-11	1.47E-10	1.01E-11	2.02E-10
6161	469490.07	3820289.13	5.15E-10	2.16E-09	1.95E-10	2.87E-09	4.29E-10	1.59E-09	1.40E-10	2.16E-09	4.86E-11	2.78E-10	3.32E-11	3.60E-10	4.42E-11	1.46E-10	1.00E-11	2.00E-10
6162	469481.25	3820285.32	5.10E-10	2.14E-09	1.93E-10	2.85E-09	4.25E-10	1.57E-09	1.39E-10	2.14E-09	4.82E-11	2.76E-10	3.29E-11	3.57E-10	4.38E-11	1.44E-10	9.96E-12	1.98E-10
6163	469472.44	3820281.51	5.06E-10	2.12E-09	1.91E-10	2.82E-09	4.21E-10	1.56E-09	1.37E-10	2.12E-09	4.77E-11	2.73E-10	3.26E-11	3.54E-10	4.34E-11	1.43E-10	9.86E-12	1.96E-10
6164	469463.63	3820277.7	5.01E-10	2.10E-09	1.89E-10	2.79E-09	4.17E-10	1.55E-09	1.36E-10	2.10E-09	4.73E-11	2.71E-10	3.23E-11	3.50E-10	4.30E-11	1.42E-10	9.77E-12	1.95E-10
6165	469454.81	3820273.89	4.96E-10	2.08E-09	1.88E-10	2.77E-09	4.13E-10	1.53E-09	1.35E-10	2.08E-09	4.69E-11	2.68E-10	3.20E-11	3.47E-10	4.26E-11	1.40E-10	9.68E-12	1.93E-10
6166	469446	3820270.07	4.91E-10	2.06E-09	1.86E-10	2.74E-09	4.09E-10	1.52E-09	1.33E-10	2.06E-09	4.64E-11	2.66E-10	3.17E-11	3.44E-10	4.22E-11	1.39E-10	9.59E-12	1.91E-10
6167	469437.19	3820266.26	4.86E-10	2.04E-09	1.84E-10	2.71E-09	4.05E-10	1.50E-09	1.32E-10	2.04E-09	4.59E-11	2.63E-10	3.14E-11	3.40E-10	4.18E-11	1.38E-10	9.49E-12	1.89E-10
6168	469428.37	3820262.45	4.82E-10	2.02E-09	1.82E-10	2.69E-09	4.01E-10	1.49E-09	1.31E-10	2.02E-09	4.55E-11	2.60E-10	3.11E-11	3.37E-10	4.13E-11	1.36E-10	9.40E-12	1.87E-10
6169	469419.56	3820258.64	4.77E-10	2.00E-09	1.80E-10	2.66E-09	3.97E-10	1.47E-09	1.29E-10	2.00E-09	4.50E-11	2.58E-10	3.07E-11	3.33E-10	4.09E-11	1.35E-10	9.30E-12	1.85E-10
6170	469410.74	3820254.83	4.72E-10	1.98E-09	1.78E-10	2.63E-09	3.93E-10	1.46E-09	1.28E-10	1.98E-09	4.45E-11	2.55E-10	3.04E-11	3.30E-10	4.05E-11	1.33E-10	9.20E-12	1.83E-10
6171	469401.93	3820251.02	4.66E-10	1.96E-09	1.76E-10	2.60E-09	3.88E-10	1.44E-09	1.27E-10	1.95E-09	4.40E-11	2.52E-10	3.01E-11	3.26E-10	4.00E-11	1.32E-10	9.10E-12	1.81E-10
6172	469393.12	3820247.21	4.61E-10	1.94E-09	1.74E-10	2.57E-09	3.84E-10	1.42E-09	1.25E-10	1.93E-09	4.36E-11	2.49E-10	2.97E-11	3.23E-10	3.96E-11	1.31E-10	9.00E-12	1.79E-10
6173	469384.3	3820243.4	4.56E-10	1.91E-09	1.72E-10	2.54E-09	3.80E-10	1.41E-09	1.24E-10	1.91E-09	4.31E-11	2.46E-10	2.94E-11	3.19E-10	3.91E-11	1.29E-10	8.90E-12	1.77E-10
6174	469375.49	3820239.58	4.51E-10	1.89E-09	1.70E-10	2.51E-09	3.75E-10	1.39E-09	1.22E-10	1.89E-09	4.26E-11	2.44E-10	2.91E-11	3.15E-10	3.87E-11	1.28E-10	8.79E-12	1.75E-10
6175	469366.68	3820235.77	4.45E-10	1.87E-09	1.68E-10	2.48E-09	3.71E-10	1.37E-09	1.21E-10	1.87E-09	4.21E-11	2.41E-10	2.87E-11	3.12E-10	3.82E-11	1.26E-10	8.69E-12	1.73E-10
6176	469357.86	3820231.96	4.40E-10	1.85E-09	1.66E-10	2.45E-09	3.66E-10	1.36E-09	1.19E-10	1.84E-09	4.15E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.25E-10	8.58E-12	1.71E-10
6177	469349.05	3820228.15	4.34E-10	1.82E-09	1.64E-10	2.42E-09	3.62E-10	1.34E-09	1.18E-10	1.82E-09	4.10E-11	2.35E-10	2.80E-11	3.04E-10	3.73E-11	1.23E-10	8.48E-12	1.69E-10
6178	469340.24	3820224.34	4.29E-10	1.80E-09	1.62E-10	2.39E-09	3.57E-10	1.32E-09	1.16E-10	1.80E-09	4.05E-11	2.32E-10	2.77E-11	3.00E-10	3.68E-11	1.21E-10	8.37E-12	1.67E-10
6179	469331.42	3820220.53	4.23E-10	1.78E-09	1.60E-10	2.36E-09	3.52E-10	1.31E-09	1.15E-10	1.77E-09	4.00E-11	2.29E-10	2.73E-11	2.96E-10	3.63E-11	1.20E-10	8.26E-12	1.64E-10
6180	469322.61	3820216.72	4.17E-10	1.75E-09	1.58E-10	2.33E-09	3.48E-10	1.29E-09	1.13E-10	1.75E-09	3.94E-11	2.26E-10	2.69E-11	2.92E-10	3.58E-11	1.18E-10	8.15E-12	1.62E-10
6181	469310.29	3820203.97	4.10E-10	1.72E-09	1.55E-10	2.29E-09	3.42E-10	1.27E-09	1.11E-10	1.72E-09	3.87E-11	2.22E-10	2.65E-11	2.87E-10	3.52E-11	1.16E-10	8.00E-12	1.59E-10
6182	469306.78	3820195.03	4.09E-10	1.72E-09	1.55E-10	2.28E-09	3.40E-10	1.26E-09	1.11E-10	1.71E-09	3.86E-11	2.21E-10	2.64E-11	2.86E-10	3.51E-11	1.16E-10	7.97E-12	1.59E-10
6183	469303.27	3820186.09	4.07E-10	1.71E-09	1.54E-10	2.27E-09	3.39E-10	1.26E-09	1.10E-10	1.70E-09	3.84E-11	2.20E-10	2.62E-11	2.85E-10	3.49E-11	1.15E-10	7.94E-12	1.58E-10
6184	469299.76	3820177.16	4.05E-10	1.70E-09	1.53E-10	2.26E-09	3.37E-10	1.25E-09	1.10E-10	1.70E-09	3.82E-11	2.19E-10	2.61E-11	2.83E-10	3.47E-11	1.15E-10	7.90E-12	1.57E-10
6185	469296.25	3820168.22	4.02E-10	1.69E-09	1.52E-10	2.25E-09	3.35E-10	1.24E-09	1.09E-10	1.69E-09	3.80E-11	2.18E-10	2.60E-11	2.82E-10	3.46E-11	1.14E-10	7.85E-12	1.56E-10
6186	469292.74	3820159.28	4.00E-10	1.68E-09	1.51E-10	2.23E-09	3.33E-10	1.23E-09	1.09E-10	1.68E-09	3.78E-11	2.16E-10	2.58E-11	2.80E-10	3.44E-11	1.13E-10	7.81E-12	1.55E-10
6187	469271.68	3820105.65	3.82E-10	1.61E-09	1.45E-10	2.13E-09	3.19E-10	1.18E-09	1.04E-10	1.60E-09	3.61E-11	2.07E-10	2.47E-11	2.68E-10	3.28E-11	1.08E-10	7.46E-12	1.49E-10
6188	469268.17	3820096.71	3.79E-10	1.59E-09	1.43E-10	2.11E-09	3.16E-10	1.17E-09	1.03E-10	1.59E-09	3.58E-11	2.05E-10	2.44E-11	2.65E-10	3.25E-11	1.07E-10	7.39E-12	1.47E-10
6189	469264.66	3820087.78	3.75E-10	1.58E-09	1.42E-10	2.09E-09	3.12E-10	1.16E-09	1.02E-10	1.57E-09	3.54E-11	2.03E-10	2.42E-11	2.62E-10	3.22E-11	1.06E-10	7.32E-12	1.46E-10
6190	469261.15	3820078.84	3.71E-10	1.56E-09	1.40E-10	2.07E-09	3.09E-10	1.15E-09	1.01E-10	1.56E-09	3.51E-11	2.01E-10	2.39E-11	2.60E-10	3.19E-11	1.05E-10	7.24E-12	1.44E-10
6191	469257.64	3820069.9	3.67E-10	1.54E-09	1.39E-10	2.05E-09	3.06E-10	1.13E-09	9.97E-11	1.54E-09	3.47E-11	1.99E-10	2.37E-11	2.57E-10	3.15E-11	1.04E-10	7.17E-12	1.43E-10
6192	469254.13	3820060.96	3.63E-10	1.52E-09	1.37E-10	2.03E-09	3.02E-10	1.12E-09	9.86E-11	1.52E-09	3.43E-11	1.96E-10	2.34E-11	2.54E-10	3.12E-11	1.03E-10	7.09E-12	1.41E-10
6193	469250.62	3820052.03	3.59E-10	1.51E-09	1.36E-10	2.00E-09	2.99E-10	1.11E-09	9.74E-11	1.50E-09	3.39E-11	1.94E-10	2.31E-11	2.51E-10	3.08E-11	1.02E-10	7.00E-12	1.39E-10
6194	469247.11	3820043.09	3.54E-10	1.49E-09	1.34E-10	1.98E-09	2.95E-10	1.09E-09	9.62E-11	1.48E-09	3.35E-11	1.92E-10	2.29E-11	2.48E-10	3.04E-11	1.00E-10	6.91E-12	1.38E-10
6195	469243.6	3820034.15	3.50E-10	1.47E-09	1.32E-10	1.95E-09	2.91E-10	1.08E-09	9.49E-11	1.47E-09	3.30E-11	1.89E-10	2.26E-11	2.45E-10	3.00E-11	9.90E-11	6.82E-12	1.36E-10
6196	469145.32	3819783.89	1.94E-10	8.14E-10	7.33E-11	1.08E-09	1.61E-10	5.98E-10	5.26E-11	8.12E-10	1.83E-11	1.05E-10	1.25E-11	1.36E-10	1.66E-11	5.49E-11	3.78E-12	7.53E-11

6197	469141.81	3819774.95	1.89E-10	7.92E-10	7.13E-11	1.05E-09	1.57E-10	5.82E-10	5.12E-11	7.90E-10	1.78E-11	1.02E-10	1.22E-11	1.32E-10	1.62E-11	5.34E-11	3.68E-12	7.32E-11
6198	469138.3	3819766.02	1.83E-10	7.70E-10	6.93E-11	1.02E-09	1.53E-10	5.66E-10	4.98E-11	7.68E-10	1.73E-11	9.91E-11	1.18E-11	1.28E-10	1.57E-11	5.19E-11	3.58E-12	7.12E-11
6199	469134.79	3819757.08	1.78E-10	7.48E-10	6.74E-11	9.94E-10	1.48E-10	5.50E-10	4.84E-11	7.46E-10	1.68E-11	9.63E-11	1.15E-11	1.25E-10	1.53E-11	5.04E-11	3.48E-12	6.92E-11
6200	469131.28	3819748.14	1.73E-10	7.27E-10	6.55E-11	9.66E-10	1.44E-10	5.34E-10	4.70E-11	7.25E-10	1.63E-11	9.36E-11	1.12E-11	1.21E-10	1.49E-11	4.90E-11	3.38E-12	6.72E-11
6201	469127.77	3819739.2	1.68E-10	7.06E-10	6.36E-11	9.38E-10	1.40E-10	5.19E-10	4.57E-11	7.05E-10	1.59E-11	9.09E-11	1.08E-11	1.18E-10	1.44E-11	4.76E-11	3.28E-12	6.53E-11
6202	469124.26	3819730.26	1.63E-10	6.86E-10	6.18E-11	9.11E-10	1.36E-10	5.04E-10	4.44E-11	6.85E-10	1.54E-11	8.83E-11	1.05E-11	1.14E-10	1.40E-11	4.63E-11	3.19E-12	6.35E-11
6203	469120.75	3819721.33	1.59E-10	6.66E-10	6.00E-11	8.85E-10	1.32E-10	4.90E-10	4.31E-11	6.65E-10	1.50E-11	8.58E-11	1.02E-11	1.11E-10	1.36E-11	4.49E-11	3.10E-12	6.16E-11
6204	469117.24	3819712.39	1.54E-10	6.47E-10	5.83E-11	8.59E-10	1.28E-10	4.75E-10	4.18E-11	6.45E-10	1.45E-11	8.33E-11	9.93E-12	1.08E-10	1.32E-11	4.36E-11	3.01E-12	5.98E-11
6205	469113.73	3819703.45	1.49E-10	6.28E-10	5.65E-11	8.34E-10	1.25E-10	4.61E-10	4.06E-11	6.26E-10	1.41E-11	8.08E-11	9.64E-12	1.05E-10	1.28E-11	4.23E-11	2.92E-12	5.81E-11
6206	469110.22	3819694.51	1.45E-10	6.09E-10	5.48E-11	8.09E-10	1.21E-10	4.48E-10	3.94E-11	6.08E-10	1.37E-11	7.84E-11	9.35E-12	1.01E-10	1.24E-11	4.10E-11	2.83E-12	5.63E-11
6207	469106.71	3819685.58	1.41E-10	5.91E-10	5.32E-11	7.85E-10	1.17E-10	4.34E-10	3.82E-11	5.89E-10	1.33E-11	7.60E-11	9.07E-12	9.84E-11	1.21E-11	3.98E-11	2.74E-12	5.46E-11
6208	469103.2	3819676.64	1.37E-10	5.73E-10	5.16E-11	7.61E-10	1.14E-10	4.21E-10	3.71E-11	5.72E-10	1.29E-11	7.38E-11	8.80E-12	9.55E-11	1.17E-11	3.86E-11	2.66E-12	5.30E-11
6209	469099.69	3819667.7	1.33E-10	5.57E-10	5.01E-11	7.39E-10	1.10E-10	4.09E-10	3.60E-11	5.55E-10	1.25E-11	7.16E-11	8.55E-12	9.27E-11	1.14E-11	3.75E-11	2.59E-12	5.15E-11
6210	469096.18	3819658.76	1.29E-10	5.40E-10	4.87E-11	7.18E-10	1.07E-10	3.97E-10	3.49E-11	5.39E-10	1.22E-11	6.96E-11	8.30E-12	9.00E-11	1.10E-11	3.64E-11	2.51E-12	5.00E-11
6211	469092.67	3819649.82	1.25E-10	5.25E-10	4.73E-11	6.97E-10	1.04E-10	3.86E-10	3.39E-11	5.24E-10	1.18E-11	6.75E-11	8.06E-12	8.74E-11	1.07E-11	3.54E-11	2.44E-12	4.85E-11
6212	469089.16	3819640.89	1.21E-10	5.10E-10	4.59E-11	6.77E-10	1.01E-10	3.74E-10	3.29E-11	5.08E-10	1.15E-11	6.56E-11	7.83E-12	8.49E-11	1.04E-11	3.43E-11	2.37E-12	4.71E-11
6213	469085.65	3819631.95	1.18E-10	4.95E-10	4.46E-11	6.57E-10	9.82E-11	3.64E-10	3.20E-11	4.94E-10	1.11E-11	6.37E-11	7.60E-12	8.25E-11	1.01E-11	3.34E-11	2.30E-12	4.58E-11
6214	469082.14	3819623.01	1.15E-10	4.81E-10	4.33E-11	6.39E-10	9.54E-11	3.54E-10	3.11E-11	4.80E-10	1.08E-11	6.19E-11	7.39E-12	8.01E-11	9.84E-12	3.24E-11	2.24E-12	4.45E-11
6215	469078.63	3819614.07	1.11E-10	4.68E-10	4.21E-11	6.21E-10	9.27E-11	3.44E-10	3.02E-11	4.67E-10	1.05E-11	6.02E-11	7.18E-12	7.79E-11	9.56E-12	3.15E-11	2.17E-12	4.32E-11
6216	469075.12	3819605.14	1.08E-10	4.55E-10	4.09E-11	6.04E-10	9.01E-11	3.34E-10	2.94E-11	4.54E-10	1.02E-11	5.85E-11	6.98E-12	7.57E-11	9.29E-12	3.06E-11	2.11E-12	4.20E-11
6217	469071.61	3819596.2	1.05E-10	4.42E-10	3.98E-11	5.87E-10	8.77E-11	3.25E-10	2.86E-11	4.41E-10	9.94E-12	5.69E-11	6.79E-12	7.36E-11	9.04E-12	2.98E-11	2.05E-12	4.09E-11
6218	469068.1	3819587.26	1.02E-10	4.30E-10	3.87E-11	5.71E-10	8.53E-11	3.16E-10	2.78E-11	4.29E-10	9.67E-12	5.54E-11	6.60E-12	7.16E-11	8.79E-12	2.90E-11	2.00E-12	3.98E-11
6219	469064.59	3819578.32	9.97E-11	4.19E-10	3.77E-11	5.56E-10	8.30E-11	3.08E-10	2.71E-11	4.18E-10	9.41E-12	5.39E-11	6.43E-12	6.97E-11	8.56E-12	2.82E-11	1.94E-12	3.87E-11
6220	469061.08	3819569.38	9.71E-11	4.08E-10	3.67E-11	5.41E-10	8.08E-11	2.99E-10	2.63E-11	4.07E-10	9.16E-12	5.25E-11	6.26E-12	6.79E-11	8.33E-12	2.75E-11	1.89E-12	3.77E-11
6221	469057.57	3819560.45	9.45E-11	3.97E-10	3.57E-11	5.27E-10	7.87E-11	2.92E-10	2.57E-11	3.96E-10	8.92E-12	5.11E-11	6.10E-12	6.61E-11	8.11E-12	2.68E-11	1.84E-12	3.67E-11
6222	469054.06	3819551.51	9.20E-11	3.86E-10	3.48E-11	5.13E-10	7.66E-11	2.84E-10	2.50E-11	3.86E-10	8.69E-12	4.97E-11	5.94E-12	6.44E-11	7.90E-12	2.60E-11	1.80E-12	3.57E-11
6223	469050.55	3819542.57	8.97E-11	3.77E-10	3.39E-11	5.00E-10	7.47E-11	2.77E-10	2.43E-11	3.76E-10	8.47E-12	4.85E-11	5.78E-12	6.27E-11	7.70E-12	2.54E-11	1.75E-12	3.48E-11
6224	469047.04	3819533.63	8.74E-11	3.67E-10	3.31E-11	4.88E-10	7.28E-11	2.70E-10	2.37E-11	3.66E-10	8.26E-12	4.73E-11	5.64E-12	6.12E-11	7.50E-12	2.47E-11	1.71E-12	3.40E-11
6225	469043.53	3819524.7	8.53E-11	3.58E-10	3.23E-11	4.76E-10	7.11E-11	2.63E-10	2.32E-11	3.57E-10	8.06E-12	4.61E-11	5.50E-12	5.97E-11	7.32E-12	2.41E-11	1.66E-12	3.31E-11
6226	469040.02	3819515.76	8.32E-11	3.49E-10	3.15E-11	4.64E-10	6.93E-11	2.57E-10	2.26E-11	3.49E-10	7.86E-12	4.50E-11	5.37E-12	5.82E-11	7.14E-12	2.35E-11	1.62E-12	3.23E-11
6227	469036.51	3819506.82	8.12E-11	3.41E-10	3.07E-11	4.53E-10	6.76E-11	2.51E-10	2.20E-11	3.40E-10	7.67E-12	4.39E-11	5.24E-12	5.68E-11	6.97E-12	2.30E-11	1.58E-12	3.15E-11
6228	469033	3819497.88	7.93E-11	3.33E-10	3.00E-11	4.43E-10	6.61E-11	2.45E-10	2.15E-11	3.32E-10	7.49E-12	4.29E-11	5.12E-12	5.55E-11	6.81E-12	2.25E-11	1.55E-12	3.08E-11
6229	469029.49	3819488.94	7.75E-11	3.26E-10	2.93E-11	4.33E-10	6.46E-11	2.39E-10	2.10E-11	3.25E-10	7.32E-12	4.19E-11	5.00E-12	5.42E-11	6.66E-12	2.19E-11	1.51E-12	3.01E-11
6230	469025.98	3819480.01	7.59E-11	3.19E-10	2.87E-11	4.23E-10	6.32E-11	2.34E-10	2.06E-11	3.18E-10	7.16E-12	4.10E-11	4.89E-12	5.31E-11	6.51E-12	2.15E-11	1.48E-12	2.95E-11
6231	469022.47	3819471.07	7.42E-11	3.12E-10	2.81E-11	4.14E-10	6.18E-11	2.29E-10	2.01E-11	3.11E-10	7.01E-12	4.01E-11	4.79E-12	5.19E-11	6.37E-12	2.10E-11	1.45E-12	2.88E-11
6232	469018.96	3819462.13	7.26E-11	3.05E-10	2.74E-11	4.05E-10	6.04E-11	2.24E-10	1.97E-11	3.04E-10	6.85E-12	3.92E-11	4.68E-12	5.08E-11	6.23E-12	2.05E-11	1.42E-12	2.82E-11
6233	469015.45	3819453.19	7.10E-11	2.98E-10	2.69E-11	3.96E-10	5.92E-11	2.19E-10	1.93E-11	2.98E-10	6.71E-12	3.84E-11	4.58E-12	4.97E-11	6.10E-12	2.01E-11	1.39E-12	2.76E-11
6234	469011.94	3819444.26	6.95E-11	2.92E-10	2.63E-11	3.88E-10	5.79E-11	2.15E-10	1.89E-11	2.91E-10	6.57E-12	3.76E-11	4.48E-12	4.86E-11	5.97E-12	1.97E-11	1.36E-12	2.70E-11
6235	469008.43	3819435.32	6.81E-11	2.86E-10	2.58E-11	3.80E-10	5.67E-11	2.10E-10	1.85E-11	2.85E-10	6.43E-12	3.68E-11	4.39E-12	4.76E-11	5.85E-12	1.93E-11	1.33E-12	2.65E-11
6236	470089.39	3820548.29	6.85E-10	2.88E-09	2.59E-10	3.82E-09	5.71E-10	2.11E-09	1.86E-10	2.87E-09	6.47E-11	3.70E-10	4.42E-11	4.79E-10	5.88E-11	1.94E-10	1.34E-11	2.66E-10
6237	470099.09	3820548.43	6.81E-10	2.86E-09	2.58E-10	3.80E-09	5.68E-10	2.10E-09	1.85E-10	2.86E-09	6.43E-11	3.68E-10	4.40E-11	4.77E-10	5.85E-11	1.93E-10	1.33E-11	2.65E-10
6238	470108.78	3820548.56	6.77E-10	2.84E-09	2.56E-10	3.78E-09	5.64E-10	2.09E-09	1.84E-10	2.84E-09	6.40E-11	3.66E-10	4.37E-11	4.74E-10	5.82E-11	1.92E-10	1.32E-11	2.63E-10
6239	470118.48	3820548.7	6.73E-10	2.83E-09	2.55E-10	3.75E-09	5.61E-10	2.08E-09	1.83E-10	2.82E-09	6.35E-11	3.64E-10	4.34E-11	4.71E-10	5.78E-11	1.90E-10	1.31E-11	2.61E-10
6240	470128.18	3820548.83	6.68E-10	2.81E-09	2.53E-10	3.73E-09	5.57E-10	2.06E-09	1.81E-10	2.80E-09	6.31E-11	3.61E-10	4.31E-11	4.67E-10	5.74E-11	1.89E-10	1.30E-11	2.60E-10
6241	470137.87	3820548.97	6.63E-10	2.79E-09	2.51E-10	3.70E-09	5.53E-10	2.05E-09	1.80E-10	2.78E-09	6.26E-11	3.59E-10	4.28E-11	4.64E-10	5.69E-11	1.88E-10	1.29E-11	2.58E-10
6242	470147.57	3820549.1	6.58E-10	2.76E-09	2.49E-10	3.67E-09	5.48E-10	2.03E-09	1.79E-10	2.76E-09	6.22E-11	3.56E-10	4.25E-11	4.60E-10	5.65E-11	1.86E-10	1.28E-11	2.56E-10
6243	470157.27	3820549.24	6.53E-10	2.74E-09	2.47E-10	3.64E-09	5.44E-10	2.01E-09	1.77E-10	2.74E-09	6.17E-11	3.53E-10	4.21E-11	4.57E-10	5.61E-11	1.85E-10	1.27E-11	2.54E-10
6244	470166.97	3820549.37	6.47E-10	2.72E-09	2.45E-10	3.61E-09	5.39E-10	2.00E-09	1.76E-10	2.71E-09	6.11E-11	3.50E-10	4.18E-11	4.53E-10	5.56E-11	1.83E-10	1.26E-11	2.51E-10
6245	470176.66	3820549.51	6.42E-10	2.70E-09	2.43E-10	3.58E-09	5.35E-10	1.98E-09	1.74E-10	2.69E-09	6.06E-11	3.47E-10	4.14E-11	4.49E-10	5.51E-11	1.82E-10	1.25E-11	2.49E-10
6246	470186.36	3820549.64	6.36E-10	2.67E-09	2.41E-10	3.55E-09	5.30E-10	1.96E-09	1.73E-10	2.67E-09	6.01E-11	3.44E-10	4.10E-11	4.45E-10	5.46E-11	1.80E-10	1.24E-11	2.47E-10

6247	470196.06	3820549.78	6.30E-10	2.65E-09	2.38E-10	3.52E-09	5.25E-10	1.95E-09	1.71E-10	2.64E-09	5.95E-11	3.41E-10	4.07E-11	4.41E-10	5.41E-11	1.78E-10	1.23E-11	2.45E-10
6248	470205.75	3820549.91	6.24E-10	2.62E-09	2.36E-10	3.48E-09	5.20E-10	1.93E-09	1.70E-10	2.62E-09	5.90E-11	3.38E-10	4.03E-11	4.37E-10	5.36E-11	1.77E-10	1.22E-11	2.43E-10
6249	470215.45	3820550.05	6.19E-10	2.60E-09	2.34E-10	3.45E-09	5.15E-10	1.91E-09	1.68E-10	2.59E-09	5.84E-11	3.34E-10	3.99E-11	4.33E-10	5.31E-11	1.75E-10	1.21E-11	2.40E-10
6250	470225.15	3820550.18	6.13E-10	2.57E-09	2.32E-10	3.42E-09	5.10E-10	1.89E-09	1.66E-10	2.57E-09	5.79E-11	3.31E-10	3.95E-11	4.29E-10	5.26E-11	1.73E-10	1.20E-11	2.38E-10
6251	470234.85	3820550.32	6.07E-10	2.55E-09	2.30E-10	3.39E-09	5.06E-10	1.87E-09	1.65E-10	2.54E-09	5.73E-11	3.28E-10	3.91E-11	4.25E-10	5.21E-11	1.72E-10	1.18E-11	2.36E-10
6252	470244.54	3820550.45	6.01E-10	2.52E-09	2.27E-10	3.35E-09	5.01E-10	1.86E-09	1.63E-10	2.52E-09	5.68E-11	3.25E-10	3.88E-11	4.21E-10	5.16E-11	1.70E-10	1.17E-11	2.34E-10
6253	470254.24	3820550.59	5.95E-10	2.50E-09	2.25E-10	3.32E-09	4.96E-10	1.84E-09	1.62E-10	2.50E-09	5.62E-11	3.22E-10	3.84E-11	4.17E-10	5.11E-11	1.69E-10	1.16E-11	2.31E-10
6254	470263.94	3820550.72	5.90E-10	2.48E-09	2.23E-10	3.29E-09	4.91E-10	1.82E-09	1.60E-10	2.47E-09	5.57E-11	3.19E-10	3.80E-11	4.13E-10	5.06E-11	1.67E-10	1.15E-11	2.29E-10
6255	470079.42	3820624.46	6.17E-10	2.59E-09	2.33E-10	3.44E-09	5.14E-10	1.90E-09	1.67E-10	2.58E-09	5.83E-11	3.33E-10	3.98E-11	4.32E-10	5.30E-11	1.75E-10	1.20E-11	2.40E-10
6256	470070.57	3820620.63	6.23E-10	2.62E-09	2.36E-10	3.47E-09	5.19E-10	1.92E-09	1.69E-10	2.61E-09	5.88E-11	3.37E-10	4.02E-11	4.36E-10	5.35E-11	1.76E-10	1.22E-11	2.42E-10
6257	470061.72	3820616.8	6.28E-10	2.64E-09	2.38E-10	3.51E-09	5.23E-10	1.94E-09	1.71E-10	2.63E-09	5.93E-11	3.40E-10	4.05E-11	4.40E-10	5.40E-11	1.78E-10	1.23E-11	2.44E-10
6258	470052.87	3820612.98	6.34E-10	2.66E-09	2.40E-10	3.54E-09	5.28E-10	1.96E-09	1.72E-10	2.66E-09	5.99E-11	3.43E-10	4.09E-11	4.43E-10	5.44E-11	1.79E-10	1.24E-11	2.46E-10
6259	470044.02	3820609.15	6.39E-10	2.68E-09	2.42E-10	3.57E-09	5.32E-10	1.97E-09	1.74E-10	2.68E-09	6.04E-11	3.46E-10	4.12E-11	4.47E-10	5.49E-11	1.81E-10	1.25E-11	2.48E-10
6260	470035.17	3820605.32	6.44E-10	2.70E-09	2.44E-10	3.59E-09	5.36E-10	1.99E-09	1.75E-10	2.70E-09	6.08E-11	3.48E-10	4.15E-11	4.51E-10	5.53E-11	1.82E-10	1.26E-11	2.50E-10
6261	470026.32	3820601.49	6.49E-10	2.72E-09	2.45E-10	3.62E-09	5.40E-10	2.00E-09	1.76E-10	2.72E-09	6.13E-11	3.51E-10	4.18E-11	4.54E-10	5.57E-11	1.84E-10	1.27E-11	2.52E-10
6262	470017.47	3820597.67	6.53E-10	2.74E-09	2.47E-10	3.64E-09	5.44E-10	2.02E-09	1.77E-10	2.74E-09	6.17E-11	3.53E-10	4.21E-11	4.57E-10	5.61E-11	1.85E-10	1.27E-11	2.54E-10
6263	470008.61	3820593.84	6.57E-10	2.76E-09	2.49E-10	3.67E-09	5.47E-10	2.03E-09	1.78E-10	2.75E-09	6.21E-11	3.55E-10	4.24E-11	4.60E-10	5.64E-11	1.86E-10	1.28E-11	2.55E-10
6264	469999.76	3820590.01	6.61E-10	2.78E-09	2.50E-10	3.69E-09	5.51E-10	2.04E-09	1.79E-10	2.77E-09	6.24E-11	3.57E-10	4.26E-11	4.62E-10	5.68E-11	1.87E-10	1.29E-11	2.57E-10
6265	469990.91	3820586.18	6.65E-10	2.79E-09	2.51E-10	3.71E-09	5.54E-10	2.05E-09	1.80E-10	2.78E-09	6.28E-11	3.59E-10	4.29E-11	4.65E-10	5.71E-11	1.88E-10	1.30E-11	2.58E-10
6266	469982.06	3820582.36	6.68E-10	2.80E-09	2.52E-10	3.72E-09	5.56E-10	2.06E-09	1.81E-10	2.80E-09	6.30E-11	3.61E-10	4.31E-11	4.67E-10	5.73E-11	1.89E-10	1.30E-11	2.59E-10
6267	469973.21	3820578.53	6.70E-10	2.82E-09	2.54E-10	3.74E-09	5.58E-10	2.07E-09	1.82E-10	2.81E-09	6.33E-11	3.62E-10	4.32E-11	4.69E-10	5.75E-11	1.90E-10	1.31E-11	2.60E-10
6268	469964.36	3820574.7	6.73E-10	2.82E-09	2.54E-10	3.75E-09	5.60E-10	2.08E-09	1.83E-10	2.82E-09	6.35E-11	3.64E-10	4.34E-11	4.71E-10	5.77E-11	1.90E-10	1.31E-11	2.61E-10
6269	469955.51	3820570.87	6.74E-10	2.83E-09	2.55E-10	3.76E-09	5.62E-10	2.08E-09	1.83E-10	2.83E-09	6.37E-11	3.65E-10	4.35E-11	4.72E-10	5.79E-11	1.91E-10	1.32E-11	2.62E-10
6270	469946.66	3820567.05	6.76E-10	2.84E-09	2.56E-10	3.77E-09	5.63E-10	2.09E-09	1.83E-10	2.83E-09	6.38E-11	3.65E-10	4.36E-11	4.73E-10	5.80E-11	1.91E-10	1.32E-11	2.63E-10
6271	469937.81	3820563.22	6.77E-10	2.84E-09	2.56E-10	3.78E-09	5.64E-10	2.09E-09	1.84E-10	2.84E-09	6.39E-11	3.66E-10	4.37E-11	4.74E-10	5.81E-11	1.92E-10	1.32E-11	2.63E-10
6272	469928.96	3820559.39	6.78E-10	2.85E-09	2.56E-10	3.78E-09	5.65E-10	2.09E-09	1.84E-10	2.84E-09	6.40E-11	3.66E-10	4.37E-11	4.74E-10	5.82E-11	1.92E-10	1.32E-11	2.63E-10
6273	469920.1	3820555.56	6.78E-10	2.85E-09	2.56E-10	3.78E-09	5.65E-10	2.09E-09	1.84E-10	2.84E-09	6.40E-11	3.67E-10	4.37E-11	4.74E-10	5.82E-11	1.92E-10	1.32E-11	2.63E-10
6274	469911.25	3820551.74	6.78E-10	2.85E-09	2.56E-10	3.78E-09	5.65E-10	2.09E-09	1.84E-10	2.84E-09	6.40E-11	3.66E-10	4.37E-11	4.74E-10	5.82E-11	1.92E-10	1.32E-11	2.63E-10
6275	469902.4	3820547.91	6.77E-10	2.84E-09	2.56E-10	3.78E-09	5.64E-10	2.09E-09	1.84E-10	2.84E-09	6.40E-11	3.66E-10	4.37E-11	4.74E-10	5.81E-11	1.92E-10	1.32E-11	2.63E-10
6276	469893.55	3820544.08	6.76E-10	2.84E-09	2.56E-10	3.77E-09	5.63E-10	2.09E-09	1.84E-10	2.83E-09	6.39E-11	3.66E-10	4.36E-11	4.73E-10	5.81E-11	1.91E-10	1.32E-11	2.63E-10
6277	469884.7	3820540.25	6.75E-10	2.83E-09	2.55E-10	3.76E-09	5.62E-10	2.08E-09	1.83E-10	2.83E-09	6.37E-11	3.65E-10	4.35E-11	4.72E-10	5.79E-11	1.91E-10	1.32E-11	2.62E-10
6278	469875.85	3820536.43	6.73E-10	2.83E-09	2.55E-10	3.75E-09	5.61E-10	2.08E-09	1.83E-10	2.82E-09	6.36E-11	3.64E-10	4.34E-11	4.71E-10	5.78E-11	1.91E-10	1.31E-11	2.61E-10
6279	469867	3820532.6	6.71E-10	2.82E-09	2.54E-10	3.74E-09	5.59E-10	2.07E-09	1.82E-10	2.81E-09	6.34E-11	3.63E-10	4.33E-11	4.69E-10	5.76E-11	1.90E-10	1.31E-11	2.61E-10
6280	469858.15	3820528.77	6.68E-10	2.81E-09	2.53E-10	3.73E-09	5.57E-10	2.06E-09	1.81E-10	2.80E-09	6.31E-11	3.61E-10	4.31E-11	4.68E-10	5.74E-11	1.89E-10	1.30E-11	2.60E-10
6281	469849.3	3820524.94	6.66E-10	2.80E-09	2.52E-10	3.71E-09	5.55E-10	2.05E-09	1.81E-10	2.79E-09	6.29E-11	3.60E-10	4.29E-11	4.66E-10	5.72E-11	1.88E-10	1.30E-11	2.59E-10
6282	469840.44	3820521.12	6.63E-10	2.78E-09	2.51E-10	3.70E-09	5.52E-10	2.04E-09	1.80E-10	2.78E-09	6.26E-11	3.58E-10	4.27E-11	4.64E-10	5.69E-11	1.88E-10	1.29E-11	2.57E-10
6283	469831.59	3820517.29	6.59E-10	2.77E-09	2.49E-10	3.68E-09	5.49E-10	2.03E-09	1.79E-10	2.76E-09	6.23E-11	3.56E-10	4.25E-11	4.61E-10	5.66E-11	1.87E-10	1.29E-11	2.56E-10
6284	469822.74	3820513.46	6.56E-10	2.75E-09	2.48E-10	3.66E-09	5.46E-10	2.02E-09	1.78E-10	2.75E-09	6.19E-11	3.54E-10	4.23E-11	4.59E-10	5.63E-11	1.86E-10	1.28E-11	2.55E-10
6285	469813.89	3820509.64	6.52E-10	2.74E-09	2.47E-10	3.64E-09	5.43E-10	2.01E-09	1.77E-10	2.73E-09	6.16E-11	3.52E-10	4.20E-11	4.56E-10	5.60E-11	1.85E-10	1.27E-11	2.53E-10
6286	469805.04	3820505.81	6.48E-10	2.72E-09	2.45E-10	3.61E-09	5.40E-10	2.00E-09	1.76E-10	2.71E-09	6.12E-11	3.50E-10	4.18E-11	4.53E-10	5.56E-11	1.83E-10	1.26E-11	2.52E-10
6287	469796.19	3820501.98	6.43E-10	2.70E-09	2.43E-10	3.59E-09	5.36E-10	1.99E-09	1.75E-10	2.70E-09	6.07E-11	3.48E-10	4.15E-11	4.50E-10	5.52E-11	1.82E-10	1.26E-11	2.50E-10
6288	469787.34	3820498.15	6.39E-10	2.68E-09	2.42E-10	3.56E-09	5.32E-10	1.97E-09	1.73E-10	2.68E-09	6.03E-11	3.45E-10	4.12E-11	4.47E-10	5.48E-11	1.81E-10	1.25E-11	2.48E-10
6289	469778.49	3820494.33	6.34E-10	2.66E-09	2.40E-10	3.54E-09	5.28E-10	1.96E-09	1.72E-10	2.66E-09	5.99E-11	3.43E-10	4.09E-11	4.44E-10	5.44E-11	1.79E-10	1.24E-11	2.46E-10
6290	469769.64	3820490.5	6.29E-10	2.64E-09	2.38E-10	3.51E-09	5.24E-10	1.94E-09	1.71E-10	2.64E-09	5.94E-11	3.40E-10	4.06E-11	4.40E-10	5.40E-11	1.78E-10	1.23E-11	2.44E-10
6291	469760.79	3820486.67	6.24E-10	2.62E-09	2.36E-10	3.48E-09	5.20E-10	1.93E-09	1.69E-10	2.62E-09	5.89E-11	3.37E-10	4.03E-11	4.37E-10	5.36E-11	1.77E-10	1.22E-11	2.42E-10
6292	469751.93	3820482.84	6.19E-10	2.60E-09	2.34E-10	3.45E-09	5.16E-10	1.91E-09	1.68E-10	2.59E-09	5.85E-11	3.35E-10	3.99E-11	4.33E-10	5.32E-11	1.75E-10	1.21E-11	2.40E-10
6293	469743.08	3820479.02	6.14E-10	2.58E-09	2.32E-10	3.42E-09	5.11E-10	1.89E-09	1.67E-10	2.57E-09	5.80E-11	3.32E-10	3.96E-11	4.29E-10	5.27E-11	1.74E-10	1.20E-11	2.38E-10
6294	469734.23	3820475.19	6.09E-10	2.56E-09	2.30E-10	3.39E-09	5.07E-10	1.88E-09	1.65E-10	2.55E-09	5.75E-11	3.29E-10	3.93E-11	4.26E-10	5.23E-11	1.72E-10	1.19E-11	2.36E-10
6295	469725.38	3820471.36	6.03E-10	2.53E-09	2.28E-10	3.37E-09	5.03E-10	1.86E-09	1.64E-10	2.53E-09	5.70E-11	3.26E-10	3.89E-11	4.22E-10	5.18E-11	1.71E-10	1.18E-11	2.34E-10
6296	469716.53	3820467.53	5.98E-10	2.51E-09	2.26E-10	3.34E-09	4.98E-10	1.85E-09	1.62E-10	2.51E-09	5.65E-11	3.23E-10	3.86E-11	4.18E-10	5.13E-11	1.69E-10	1.17E-11	2.32E-10

6297	469707.68	3820463.71	5.93E-10	2.49E-09	2.24E-10	3.31E-09	4.94E-10	1.83E-09	1.61E-10	2.48E-09	5.60E-11	3.20E-10	3.82E-11	4.15E-10	5.09E-11	1.68E-10	1.16E-11	2.30E-10
6298	469698.83	3820459.88	5.87E-10	2.47E-09	2.22E-10	3.28E-09	4.89E-10	1.81E-09	1.59E-10	2.46E-09	5.55E-11	3.18E-10	3.79E-11	4.11E-10	5.04E-11	1.66E-10	1.15E-11	2.28E-10
6299	469610.32	3820421.6	5.36E-10	2.25E-09	2.03E-10	2.99E-09	4.47E-10	1.65E-09	1.46E-10	2.25E-09	5.06E-11	2.90E-10	3.46E-11	3.75E-10	4.60E-11	1.52E-10	1.05E-11	2.08E-10
6300	469601.47	3820417.78	5.32E-10	2.23E-09	2.01E-10	2.96E-09	4.43E-10	1.64E-09	1.44E-10	2.23E-09	5.02E-11	2.87E-10	3.43E-11	3.72E-10	4.56E-11	1.50E-10	1.04E-11	2.06E-10
6301	469592.62	3820413.95	5.27E-10	2.21E-09	1.99E-10	2.94E-09	4.39E-10	1.63E-09	1.43E-10	2.21E-09	4.98E-11	2.85E-10	3.40E-11	3.69E-10	4.52E-11	1.49E-10	1.03E-11	2.05E-10
6302	469583.76	3820410.12	5.22E-10	2.19E-09	1.98E-10	2.91E-09	4.35E-10	1.61E-09	1.42E-10	2.19E-09	4.93E-11	2.82E-10	3.37E-11	3.65E-10	4.48E-11	1.48E-10	1.02E-11	2.03E-10
6303	469574.91	3820406.29	5.18E-10	2.18E-09	1.96E-10	2.89E-09	4.31E-10	1.60E-09	1.41E-10	2.17E-09	4.89E-11	2.80E-10	3.34E-11	3.62E-10	4.45E-11	1.47E-10	1.01E-11	2.01E-10
6304	469566.06	3820402.47	5.14E-10	2.16E-09	1.94E-10	2.86E-09	4.28E-10	1.58E-09	1.39E-10	2.15E-09	4.85E-11	2.78E-10	3.31E-11	3.59E-10	4.41E-11	1.45E-10	1.00E-11	1.99E-10
6305	469557.21	3820398.64	5.09E-10	2.14E-09	1.93E-10	2.84E-09	4.24E-10	1.57E-09	1.38E-10	2.13E-09	4.81E-11	2.75E-10	3.29E-11	3.56E-10	4.37E-11	1.44E-10	9.94E-12	1.98E-10
6306	469548.36	3820394.81	5.05E-10	2.12E-09	1.91E-10	2.82E-09	4.21E-10	1.56E-09	1.37E-10	2.12E-09	4.77E-11	2.73E-10	3.26E-11	3.53E-10	4.34E-11	1.43E-10	9.85E-12	1.96E-10
6307	469539.51	3820390.98	5.01E-10	2.10E-09	1.89E-10	2.79E-09	4.17E-10	1.55E-09	1.36E-10	2.10E-09	4.73E-11	2.71E-10	3.23E-11	3.50E-10	4.30E-11	1.42E-10	9.77E-12	1.95E-10
6308	469530.66	3820387.16	4.97E-10	2.09E-09	1.88E-10	2.77E-09	4.14E-10	1.53E-09	1.35E-10	2.08E-09	4.69E-11	2.69E-10	3.21E-11	3.48E-10	4.27E-11	1.41E-10	9.70E-12	1.93E-10
6309	469521.81	3820383.33	4.93E-10	2.07E-09	1.86E-10	2.75E-09	4.11E-10	1.52E-09	1.34E-10	2.07E-09	4.66E-11	2.67E-10	3.18E-11	3.45E-10	4.23E-11	1.40E-10	9.62E-12	1.92E-10
6310	469512.96	3820379.5	4.89E-10	2.05E-09	1.85E-10	2.73E-09	4.07E-10	1.51E-09	1.33E-10	2.05E-09	4.62E-11	2.64E-10	3.15E-11	3.42E-10	4.20E-11	1.38E-10	9.54E-12	1.90E-10
6311	469504.1	3820375.67	4.85E-10	2.04E-09	1.84E-10	2.71E-09	4.04E-10	1.50E-09	1.32E-10	2.03E-09	4.58E-11	2.62E-10	3.13E-11	3.39E-10	4.17E-11	1.37E-10	9.47E-12	1.88E-10
6312	469495.25	3820371.85	4.81E-10	2.02E-09	1.82E-10	2.68E-09	4.01E-10	1.49E-09	1.31E-10	2.02E-09	4.55E-11	2.60E-10	3.10E-11	3.37E-10	4.13E-11	1.36E-10	9.39E-12	1.87E-10
6313	469486.4	3820368.02	4.77E-10	2.01E-09	1.81E-10	2.66E-09	3.98E-10	1.47E-09	1.30E-10	2.00E-09	4.51E-11	2.58E-10	3.08E-11	3.34E-10	4.10E-11	1.35E-10	9.32E-12	1.85E-10
6314	469477.55	3820364.19	4.74E-10	1.99E-09	1.79E-10	2.64E-09	3.95E-10	1.46E-09	1.29E-10	1.98E-09	4.47E-11	2.56E-10	3.06E-11	3.31E-10	4.07E-11	1.34E-10	9.24E-12	1.84E-10
6315	469468.7	3820360.37	4.7E-10	1.97E-09	1.78E-10	2.62E-09	3.91E-10	1.45E-09	1.28E-10	1.97E-09	4.44E-11	2.54E-10	3.03E-11	3.29E-10	4.03E-11	1.33E-10	9.17E-12	1.83E-10
6316	469459.85	3820356.54	4.66E-10	1.96E-09	1.76E-10	2.60E-09	3.88E-10	1.44E-09	1.27E-10	1.95E-09	4.40E-11	2.52E-10	3.01E-11	3.26E-10	4.00E-11	1.32E-10	9.10E-12	1.81E-10
6317	469451	3820352.71	4.62E-10	1.94E-09	1.75E-10	2.58E-09	3.85E-10	1.43E-09	1.26E-10	1.94E-09	4.37E-11	2.50E-10	2.98E-11	3.23E-10	3.97E-11	1.31E-10	9.02E-12	1.80E-10
6318	469442.15	3820348.88	4.59E-10	1.93E-09	1.73E-10	2.56E-09	3.82E-10	1.41E-09	1.24E-10	1.92E-09	4.33E-11	2.48E-10	2.96E-11	3.21E-10	3.94E-11	1.30E-10	8.95E-12	1.78E-10
6319	469433.3	3820345.06	4.55E-10	1.91E-09	1.72E-10	2.54E-09	3.79E-10	1.40E-09	1.23E-10	1.91E-09	4.29E-11	2.46E-10	2.93E-11	3.18E-10	3.90E-11	1.29E-10	8.87E-12	1.77E-10
6320	469424.45	3820341.23	4.51E-10	1.89E-09	1.71E-10	2.52E-09	3.76E-10	1.39E-09	1.22E-10	1.89E-09	4.26E-11	2.44E-10	2.91E-11	3.15E-10	3.87E-11	1.28E-10	8.80E-12	1.75E-10
6321	469415.59	3820337.4	4.47E-10	1.88E-09	1.69E-10	2.49E-09	3.72E-10	1.38E-09	1.21E-10	1.87E-09	4.22E-11	2.42E-10	2.88E-11	3.13E-10	3.84E-11	1.27E-10	8.72E-12	1.74E-10
6322	469406.74	3820333.57	4.43E-10	1.86E-09	1.68E-10	2.47E-09	3.69E-10	1.37E-09	1.20E-10	1.86E-09	4.18E-11	2.40E-10	2.86E-11	3.10E-10	3.80E-11	1.25E-10	8.65E-12	1.72E-10
6323	469397.89	3820329.75	4.39E-10	1.84E-09	1.66E-10	2.45E-09	3.66E-10	1.36E-09	1.19E-10	1.84E-09	4.15E-11	2.37E-10	2.83E-11	3.07E-10	3.77E-11	1.24E-10	8.57E-12	1.71E-10
6324	469389.04	3820325.92	4.35E-10	1.83E-09	1.65E-10	2.43E-09	3.62E-10	1.34E-09	1.18E-10	1.82E-09	4.11E-11	2.35E-10	2.81E-11	3.04E-10	3.74E-11	1.23E-10	8.49E-12	1.69E-10
6325	469380.19	3820322.09	4.31E-10	1.81E-09	1.63E-10	2.40E-09	3.59E-10	1.33E-09	1.17E-10	1.81E-09	4.07E-11	2.33E-10	2.78E-11	3.02E-10	3.70E-11	1.22E-10	8.41E-12	1.67E-10
6326	469371.34	3820318.26	4.27E-10	1.79E-09	1.62E-10	2.38E-09	3.56E-10	1.32E-09	1.16E-10	1.79E-09	4.03E-11	2.31E-10	2.75E-11	2.99E-10	3.67E-11	1.21E-10	8.33E-12	1.66E-10
6327	469362.49	3820314.44	4.23E-10	1.78E-09	1.60E-10	2.36E-09	3.52E-10	1.30E-09	1.15E-10	1.77E-09	3.99E-11	2.29E-10	2.73E-11	2.96E-10	3.63E-11	1.20E-10	8.25E-12	1.64E-10
6328	469353.64	3820310.61	4.19E-10	1.76E-09	1.58E-10	2.34E-09	3.49E-10	1.29E-09	1.14E-10	1.75E-09	3.95E-11	2.26E-10	2.70E-11	2.93E-10	3.59E-11	1.19E-10	8.17E-12	1.63E-10
6329	469344.79	3820306.78	4.14E-10	1.74E-09	1.57E-10	2.31E-09	3.45E-10	1.28E-09	1.12E-10	1.74E-09	3.91E-11	2.24E-10	2.67E-11	2.90E-10	3.56E-11	1.17E-10	8.09E-12	1.61E-10
6330	469335.93	3820302.95	4.1E-10	1.72E-09	1.55E-10	2.29E-09	3.42E-10	1.27E-09	1.11E-10	1.72E-09	3.87E-11	2.22E-10	2.65E-11	2.87E-10	3.52E-11	1.16E-10	8.00E-12	1.59E-10
6331	469327.08	3820299.13	4.06E-10	1.70E-09	1.53E-10	2.26E-09	3.38E-10	1.25E-09	1.10E-10	1.70E-09	3.83E-11	2.19E-10	2.62E-11	2.84E-10	3.48E-11	1.15E-10	7.92E-12	1.58E-10
6332	469318.23	3820295.3	4.01E-10	1.69E-09	1.52E-10	2.24E-09	3.34E-10	1.24E-09	1.09E-10	1.68E-09	3.79E-11	2.17E-10	2.59E-11	2.81E-10	3.44E-11	1.14E-10	7.83E-12	1.56E-10
6333	469309.38	3820291.47	3.97E-10	1.67E-09	1.50E-10	2.21E-09	3.30E-10	1.22E-09	1.08E-10	1.66E-09	3.75E-11	2.15E-10	2.56E-11	2.78E-10	3.41E-11	1.12E-10	7.74E-12	1.54E-10
6334	469300.53	3820287.64	3.92E-10	1.65E-09	1.48E-10	2.19E-09	3.27E-10	1.21E-09	1.06E-10	1.64E-09	3.70E-11	2.12E-10	2.53E-11	2.74E-10	3.37E-11	1.11E-10	7.65E-12	1.52E-10
6335	469291.68	3820283.82	3.88E-10	1.63E-09	1.47E-10	2.16E-09	3.23E-10	1.20E-09	1.05E-10	1.62E-09	3.66E-11	2.10E-10	2.50E-11	2.71E-10	3.33E-11	1.10E-10	7.56E-12	1.51E-10
6336	469265.13	3820272.33	3.73E-10	1.57E-09	1.41E-10	2.08E-09	3.11E-10	1.15E-09	1.01E-10	1.56E-09	3.53E-11	2.02E-10	2.41E-11	2.61E-10	3.21E-11	1.06E-10	7.29E-12	1.45E-10
6337	469252.75	3820259.53	3.67E-10	1.54E-09	1.39E-10	2.05E-09	3.06E-10	1.13E-09	9.97E-11	1.54E-09	3.47E-11	1.99E-10	2.37E-11	2.57E-10	3.15E-11	1.04E-10	7.17E-12	1.43E-10
6338	469249.23	3820250.56	3.66E-10	1.54E-09	1.38E-10	2.04E-09	3.05E-10	1.13E-09	9.93E-11	1.53E-09	3.45E-11	1.98E-10	2.36E-11	2.56E-10	3.14E-11	1.04E-10	7.14E-12	1.42E-10
6339	469245.7	3820241.58	3.64E-10	1.53E-09	1.38E-10	2.03E-09	3.03E-10	1.12E-09	9.89E-11	1.53E-09	3.44E-11	1.97E-10	2.35E-11	2.55E-10	3.13E-11	1.03E-10	7.11E-12	1.41E-10
6340	469242.18	3820232.6	3.62E-10	1.52E-09	1.37E-10	2.02E-09	3.02E-10	1.12E-09	9.84E-11	1.52E-09	3.42E-11	1.96E-10	2.34E-11	2.54E-10	3.11E-11	1.03E-10	7.07E-12	1.41E-10
6341	469238.65	3820223.63	3.61E-10	1.51E-09	1.36E-10	2.01E-09	3.00E-10	1.11E-09	9.79E-11	1.51E-09	3.41E-11	1.95E-10	2.33E-11	2.52E-10	3.10E-11	1.02E-10	7.04E-12	1.40E-10
6342	469235.13	3820214.65	3.59E-10	1.51E-09	1.36E-10	2.00E-09	2.99E-10	1.11E-09	9.74E-11	1.50E-09	3.39E-11	1.94E-10	2.31E-11	2.51E-10	3.08E-11	1.02E-10	7.00E-12	1.39E-10
6343	469231.6	3820205.68	3.56E-10	1.50E-09	1.35E-10	1.99E-09	2.97E-10	1.10E-09	9.68E-11	1.49E-09	3.37E-11	1.93E-10	2.30E-11	2.49E-10	3.06E-11	1.01E-10	6.96E-12	1.38E-10
6344	469228.08	3820196.7	3.54E-10	1.49E-09	1.34E-10	1.98E-09	2.95E-10	1.09E-09	9.61E-11	1.48E-09	3.34E-11	1.91E-10	2.28E-11	2.48E-10	3.04E-11	1.00E-10	6.91E-12	1.38E-10
6345	469224.55	3820187.72	3.52E-10	1.48E-09	1.33E-10	1.96E-09	2.93E-10	1.09E-09	9.55E-11	1.47E-09	3.32E-11	1.90E-10	2.27E-11	2.46E-10	3.02E-11	9.96E-11	6.86E-12	1.37E-10
6346	469221.03	3820178.75	3.49E-10	1.47E-09	1.32E-10	1.95E-09	2.91E-10	1.08E-09	9.48E-11	1.46E-09	3.30E-11	1.89E-10	2.25E-11	2.44E-10	3.00E-11	9.88E-11	6.81E-12	1.36E-10

6347	469217.5	3820169.77	3.47E-10	1.46E-09	1.31E-10	1.93E-09	2.89E-10	1.07E-09	9.41E-11	1.45E-09	3.27E-11	1.87E-10	2.24E-11	2.42E-10	2.97E-11	9.81E-11	6.76E-12	1.35E-10
6348	469213.98	3820160.8	3.44E-10	1.44E-09	1.30E-10	1.92E-09	2.86E-10	1.06E-09	9.33E-11	1.44E-09	3.25E-11	1.86E-10	2.22E-11	2.40E-10	2.95E-11	9.73E-11	6.71E-12	1.34E-10
6349	469210.45	3820151.82	3.41E-10	1.43E-09	1.29E-10	1.90E-09	2.84E-10	1.05E-09	9.25E-11	1.43E-09	3.22E-11	1.84E-10	2.20E-11	2.38E-10	2.93E-11	9.64E-11	6.65E-12	1.32E-10
6350	469206.93	3820142.85	3.38E-10	1.42E-09	1.28E-10	1.88E-09	2.81E-10	1.04E-09	9.17E-11	1.41E-09	3.19E-11	1.83E-10	2.18E-11	2.36E-10	2.90E-11	9.56E-11	6.59E-12	1.31E-10
6351	469203.4	3820133.87	3.34E-10	1.40E-09	1.26E-10	1.87E-09	2.79E-10	1.03E-09	9.08E-11	1.40E-09	3.16E-11	1.81E-10	2.16E-11	2.34E-10	2.87E-11	9.47E-11	6.53E-12	1.30E-10
6352	469199.88	3820124.89	3.31E-10	1.39E-09	1.25E-10	1.85E-09	2.76E-10	1.02E-09	8.98E-11	1.39E-09	3.13E-11	1.79E-10	2.13E-11	2.32E-10	2.84E-11	9.37E-11	6.46E-12	1.29E-10
6353	469196.35	3820115.92	3.28E-10	1.38E-09	1.24E-10	1.83E-09	2.73E-10	1.01E-09	8.89E-11	1.37E-09	3.09E-11	1.77E-10	2.11E-11	2.29E-10	2.81E-11	9.27E-11	6.39E-12	1.27E-10
6354	469192.83	3820106.94	3.24E-10	1.36E-09	1.22E-10	1.81E-09	2.70E-10	9.99E-10	8.79E-11	1.36E-09	3.06E-11	1.75E-10	2.09E-11	2.27E-10	2.78E-11	9.17E-11	6.32E-12	1.26E-10
6355	469189.3	3820097.97	3.2E-10	1.34E-09	1.21E-10	1.79E-09	2.67E-10	9.88E-10	8.69E-11	1.34E-09	3.02E-11	1.73E-10	2.07E-11	2.24E-10	2.75E-11	9.06E-11	6.25E-12	1.24E-10
6356	469185.78	3820088.99	3.16E-10	1.33E-09	1.20E-10	1.76E-09	2.63E-10	9.76E-10	8.59E-11	1.33E-09	2.99E-11	1.71E-10	2.04E-11	2.21E-10	2.72E-11	8.95E-11	6.17E-12	1.23E-10
6357	469182.25	3820080.01	3.12E-10	1.31E-09	1.18E-10	1.74E-09	2.60E-10	9.64E-10	8.48E-11	1.31E-09	2.95E-11	1.69E-10	2.02E-11	2.19E-10	2.68E-11	8.84E-11	6.10E-12	1.21E-10
6358	469178.73	3820071.04	3.08E-10	1.30E-09	1.17E-10	1.72E-09	2.57E-10	9.52E-10	8.37E-11	1.29E-09	2.91E-11	1.67E-10	1.99E-11	2.16E-10	2.65E-11	8.73E-11	6.02E-12	1.20E-10
6359	469175.2	3820062.06	3.04E-10	1.28E-09	1.15E-10	1.70E-09	2.53E-10	9.39E-10	8.26E-11	1.27E-09	2.87E-11	1.64E-10	1.96E-11	2.13E-10	2.61E-11	8.61E-11	5.94E-12	1.18E-10
6360	469083.56	3819828.69	1.8E-10	7.54E-10	6.79E-11	1.00E-09	1.50E-10	5.54E-10	4.87E-11	7.52E-10	1.70E-11	9.70E-11	1.16E-11	1.26E-10	1.54E-11	5.08E-11	3.50E-12	6.97E-11
6361	469080.03	3819819.71	1.75E-10	7.34E-10	6.61E-11	9.75E-10	1.46E-10	5.40E-10	4.75E-11	7.33E-10	1.65E-11	9.45E-11	1.13E-11	1.22E-10	1.50E-11	4.95E-11	3.41E-12	6.79E-11
6362	469076.51	3819810.74	1.7E-10	7.15E-10	6.44E-11	9.50E-10	1.42E-10	5.26E-10	4.62E-11	7.14E-10	1.61E-11	9.21E-11	1.10E-11	1.19E-10	1.46E-11	4.82E-11	3.32E-12	6.62E-11
6363	469072.98	3819801.76	1.66E-10	6.96E-10	6.27E-11	9.25E-10	1.38E-10	5.12E-10	4.50E-11	6.95E-10	1.57E-11	8.96E-11	1.07E-11	1.16E-10	1.42E-11	4.69E-11	3.23E-12	6.44E-11
6364	469069.46	3819792.79	1.61E-10	6.78E-10	6.10E-11	9.00E-10	1.34E-10	4.98E-10	4.38E-11	6.76E-10	1.52E-11	8.72E-11	1.04E-11	1.13E-10	1.39E-11	4.57E-11	3.15E-12	6.27E-11
6365	469065.93	3819783.81	1.57E-10	6.60E-10	5.94E-11	8.76E-10	1.31E-10	4.85E-10	4.26E-11	6.58E-10	1.48E-11	8.49E-11	1.01E-11	1.10E-10	1.35E-11	4.45E-11	3.06E-12	6.10E-11
6366	469062.41	3819774.84	1.53E-10	6.42E-10	5.78E-11	8.52E-10	1.27E-10	4.71E-10	4.15E-11	6.40E-10	1.44E-11	8.26E-11	9.85E-12	1.07E-10	1.31E-11	4.32E-11	2.98E-12	5.93E-11
6367	469058.88	3819765.86	1.49E-10	6.24E-10	5.62E-11	8.29E-10	1.24E-10	4.59E-10	4.03E-11	6.23E-10	1.40E-11	8.03E-11	9.59E-12	1.04E-10	1.28E-11	4.21E-11	2.90E-12	5.77E-11
6368	469055.36	3819756.88	1.45E-10	6.07E-10	5.47E-11	8.06E-10	1.20E-10	4.46E-10	3.92E-11	6.06E-10	1.36E-11	7.81E-11	9.32E-12	1.01E-10	1.24E-11	4.09E-11	2.82E-12	5.61E-11
6369	469051.83	3819747.91	1.4E-10	5.90E-10	5.31E-11	7.84E-10	1.17E-10	4.34E-10	3.81E-11	5.89E-10	1.33E-11	7.59E-11	9.06E-12	9.83E-11	1.21E-11	3.98E-11	2.74E-12	5.46E-11
6370	469048.31	3819738.93	1.37E-10	5.73E-10	5.16E-11	7.61E-10	1.14E-10	4.21E-10	3.71E-11	5.72E-10	1.29E-11	7.38E-11	8.80E-12	9.55E-11	1.17E-11	3.86E-11	2.66E-12	5.30E-11
6371	469044.78	3819729.96	1.33E-10	5.57E-10	5.02E-11	7.40E-10	1.10E-10	4.09E-10	3.60E-11	5.56E-10	1.25E-11	7.17E-11	8.56E-12	9.28E-11	1.14E-11	3.75E-11	2.59E-12	5.15E-11
6372	469041.26	3819720.98	1.29E-10	5.41E-10	4.87E-11	7.19E-10	1.07E-10	3.98E-10	3.50E-11	5.40E-10	1.22E-11	6.97E-11	8.31E-12	9.01E-11	1.11E-11	3.65E-11	2.51E-12	5.01E-11
6373	469037.73	3819712	1.25E-10	5.26E-10	4.73E-11	6.98E-10	1.04E-10	3.86E-10	3.40E-11	5.25E-10	1.18E-11	6.77E-11	8.08E-12	8.76E-11	1.07E-11	3.54E-11	2.44E-12	4.86E-11
6374	469034.21	3819703.03	1.22E-10	5.11E-10	4.60E-11	6.79E-10	1.01E-10	3.76E-10	3.30E-11	5.10E-10	1.15E-11	6.58E-11	7.85E-12	8.51E-11	1.04E-11	3.45E-11	2.38E-12	4.73E-11
6375	469030.68	3819694.05	1.18E-10	4.97E-10	4.47E-11	6.60E-10	9.85E-11	3.65E-10	3.21E-11	4.96E-10	1.12E-11	6.40E-11	7.63E-12	8.28E-11	1.02E-11	3.35E-11	2.31E-12	4.60E-11
6376	469027.16	3819685.08	1.15E-10	4.83E-10	4.35E-11	6.41E-10	9.58E-11	3.55E-10	3.12E-11	4.82E-10	1.09E-11	6.22E-11	7.42E-12	8.05E-11	9.87E-12	3.26E-11	2.24E-12	4.47E-11
6377	469023.63	3819676.1	1.12E-10	4.70E-10	4.23E-11	6.24E-10	9.32E-11	3.45E-10	3.04E-11	4.69E-10	1.06E-11	6.05E-11	7.21E-12	7.82E-11	9.60E-12	3.17E-11	2.18E-12	4.34E-11
6378	469020.11	3819667.13	1.09E-10	4.57E-10	4.11E-11	6.06E-10	9.06E-11	3.36E-10	2.95E-11	4.56E-10	1.03E-11	5.88E-11	7.01E-12	7.61E-11	9.33E-12	3.08E-11	2.12E-12	4.22E-11
6379	469016.58	3819658.15	1.06E-10	4.44E-10	4.00E-11	5.90E-10	8.81E-11	3.26E-10	2.87E-11	4.43E-10	9.99E-12	5.72E-11	6.82E-12	7.40E-11	9.08E-12	2.99E-11	2.06E-12	4.11E-11
6380	469013.06	3819649.17	1.03E-10	4.32E-10	3.89E-11	5.74E-10	8.57E-11	3.18E-10	2.79E-11	4.31E-10	9.72E-12	5.56E-11	6.64E-12	7.20E-11	8.83E-12	2.91E-11	2.01E-12	4.00E-11
6381	469009.53	3819640.2	1E-10	4.20E-10	3.78E-11	5.58E-10	8.33E-11	3.09E-10	2.72E-11	4.19E-10	9.45E-12	5.41E-11	6.45E-12	7.00E-11	8.59E-12	2.83E-11	1.95E-12	3.89E-11
6382	469006.01	3819631.22	9.73E-11	4.09E-10	3.68E-11	5.43E-10	8.10E-11	3.00E-10	2.64E-11	4.08E-10	9.19E-12	5.26E-11	6.28E-12	6.81E-11	8.35E-12	2.75E-11	1.90E-12	3.78E-11
6383	469002.48	3819622.25	9.46E-11	3.97E-10	3.58E-11	5.28E-10	7.88E-11	2.92E-10	2.57E-11	3.97E-10	8.94E-12	5.12E-11	6.10E-12	6.62E-11	8.12E-12	2.68E-11	1.85E-12	3.68E-11
6384	468998.96	3819613.27	9.21E-11	3.87E-10	3.48E-11	5.14E-10	7.67E-11	2.84E-10	2.50E-11	3.86E-10	8.70E-12	4.98E-11	5.94E-12	6.44E-11	7.90E-12	2.61E-11	1.80E-12	3.58E-11
6385	468995.43	3819604.29	8.97E-11	3.77E-10	3.39E-11	5.00E-10	7.47E-11	2.77E-10	2.43E-11	3.76E-10	8.47E-12	4.85E-11	5.78E-12	6.27E-11	7.70E-12	2.54E-11	1.75E-12	3.48E-11
6386	468991.91	3819595.32	8.74E-11	3.67E-10	3.31E-11	4.88E-10	7.28E-11	2.70E-10	2.37E-11	3.66E-10	8.26E-12	4.73E-11	5.64E-12	6.12E-11	7.50E-12	2.47E-11	1.71E-12	3.40E-11
6387	468988.38	3819586.34	8.52E-11	3.58E-10	3.22E-11	4.75E-10	7.10E-11	2.63E-10	2.31E-11	3.57E-10	8.04E-12	4.61E-11	5.49E-12	5.96E-11	7.31E-12	2.41E-11	1.66E-12	3.31E-11
6388	468984.86	3819577.37	8.31E-11	3.49E-10	3.14E-11	4.63E-10	6.92E-11	2.56E-10	2.26E-11	3.48E-10	7.84E-12	4.49E-11	5.36E-12	5.81E-11	7.13E-12	2.35E-11	1.62E-12	3.23E-11
6389	468981.33	3819568.39	8.11E-11	3.41E-10	3.07E-11	4.52E-10	6.75E-11	2.50E-10	2.20E-11	3.40E-10	7.66E-12	4.38E-11	5.23E-12	5.67E-11	6.96E-12	2.30E-11	1.58E-12	3.15E-11
6390	468977.81	3819559.42	7.91E-11	3.32E-10	2.99E-11	4.41E-10	6.59E-11	2.44E-10	2.15E-11	3.31E-10	7.47E-12	4.28E-11	5.10E-12	5.53E-11	6.79E-12	2.24E-11	1.54E-12	3.07E-11
6391	468974.28	3819550.44	7.72E-11	3.24E-10	2.92E-11	4.31E-10	6.43E-11	2.38E-10	2.10E-11	3.24E-10	7.29E-12	4.18E-11	4.98E-12	5.40E-11	6.63E-12	2.19E-11	1.51E-12	3.00E-11
6392	468970.76	3819541.46	7.55E-11	3.17E-10	2.86E-11	4.21E-10	6.29E-11	2.33E-10	2.05E-11	3.16E-10	7.13E-12	4.08E-11	4.87E-12	5.28E-11	6.48E-12	2.14E-11	1.47E-12	2.93E-11
6393	468967.24	3819532.49	7.38E-11	3.10E-10	2.79E-11	4.11E-10	6.14E-11	2.28E-10	2.00E-11	3.09E-10	6.96E-12	3.99E-11	4.76E-12	5.16E-11	6.33E-12	2.09E-11	1.44E-12	2.86E-11
6394	468963.71	3819523.51	7.21E-11	3.03E-10	2.73E-11	4.02E-10	6.00E-11	2.22E-10	1.96E-11	3.02E-10	6.81E-12	3.90E-11	4.65E-12	5.04E-11	6.19E-12	2.04E-11	1.41E-12	2.80E-11
6395	468960.19	3819514.54	7.05E-11	2.96E-10	2.66E-11	3.93E-10	5.87E-11	2.17E-10	1.91E-11	2.95E-10	6.65E-12	3.81E-11	4.54E-12	4.93E-11	6.05E-12	1.99E-11	1.37E-12	2.74E-11
6396	468956.66	3819505.56	6.89E-11	2.89E-10	2.61E-11	3.84E-10	5.74E-11	2.13E-10	1.87E-11	2.89E-10	6.51E-12	3.73E-11	4.44E-12	4.82E-11	5.92E-12	1.95E-11	1.34E-12	2.68E-11

6397	468953.14	3819496.58	6.74E-11	2.83E-10	2.55E-11	3.76E-10	5.62E-11	2.08E-10	1.83E-11	2.82E-10	6.37E-12	3.64E-11	4.35E-12	4.72E-11	5.79E-12	1.91E-11	1.32E-12	2.62E-11
6398	468949.61	3819487.61	6.6E-11	2.77E-10	2.50E-11	3.68E-10	5.50E-11	2.04E-10	1.79E-11	2.77E-10	6.24E-12	3.57E-11	4.26E-12	4.62E-11	5.67E-12	1.87E-11	1.29E-12	2.57E-11
6399	468946.09	3819478.63	6.47E-11	2.72E-10	2.45E-11	3.61E-10	5.39E-11	2.00E-10	1.76E-11	2.71E-10	6.11E-12	3.50E-11	4.17E-12	4.52E-11	5.55E-12	1.83E-11	1.26E-12	2.51E-11
6400	468942.56	3819469.66	6.34E-11	2.66E-10	2.40E-11	3.54E-10	5.28E-11	1.96E-10	1.72E-11	2.66E-10	5.99E-12	3.43E-11	4.09E-12	4.44E-11	5.45E-12	1.80E-11	1.24E-12	2.46E-11
6401	468939.04	3819460.68	6E-11	2.52E-10	2.27E-11	3.34E-10	4.99E-11	1.85E-10	1.63E-11	2.51E-10	5.66E-12	3.24E-11	3.87E-12	4.19E-11	5.15E-12	1.70E-11	1.17E-12	2.33E-11
6402	468935.51	3819451.71	5.9E-11	2.48E-10	2.23E-11	3.29E-10	4.92E-11	1.82E-10	1.60E-11	2.47E-10	5.57E-12	3.19E-11	3.81E-12	4.13E-11	5.07E-12	1.67E-11	1.15E-12	2.29E-11
6403	468931.99	3819442.73	5.82E-11	2.44E-10	2.20E-11	3.25E-10	4.85E-11	1.80E-10	1.58E-11	2.44E-10	5.50E-12	3.15E-11	3.76E-12	4.07E-11	5.00E-12	1.65E-11	1.14E-12	2.26E-11
6404	468928.46	3819433.75	5.74E-11	2.41E-10	2.17E-11	3.20E-10	4.78E-11	1.77E-10	1.56E-11	2.41E-10	5.42E-12	3.10E-11	3.70E-12	4.02E-11	4.93E-12	1.63E-11	1.12E-12	2.23E-11
6405	470088.27	3820628.29	6.1E-10	2.56E-09	2.31E-10	3.40E-09	5.08E-10	1.88E-09	1.66E-10	2.56E-09	5.76E-11	3.30E-10	3.94E-11	4.27E-10	5.24E-11	1.73E-10	1.19E-11	2.37E-10
6406	470097.97	3820628.42	6.07E-10	2.55E-09	2.29E-10	3.38E-09	5.05E-10	1.87E-09	1.65E-10	2.54E-09	5.73E-11	3.28E-10	3.91E-11	4.24E-10	5.21E-11	1.72E-10	1.18E-11	2.36E-10
6407	470107.67	3820628.56	6.03E-10	2.53E-09	2.28E-10	3.36E-09	5.02E-10	1.86E-09	1.64E-10	2.52E-09	5.69E-11	3.26E-10	3.89E-11	4.22E-10	5.17E-11	1.71E-10	1.18E-11	2.34E-10
6408	470117.37	3820628.69	5.99E-10	2.51E-09	2.26E-10	3.34E-09	4.99E-10	1.85E-09	1.62E-10	2.51E-09	5.65E-11	3.24E-10	3.86E-11	4.19E-10	5.14E-11	1.69E-10	1.17E-11	2.32E-10
6409	470127.06	3820628.83	5.94E-10	2.50E-09	2.25E-10	3.31E-09	4.95E-10	1.83E-09	1.61E-10	2.49E-09	5.61E-11	3.21E-10	3.83E-11	4.16E-10	5.10E-11	1.68E-10	1.16E-11	2.31E-10
6410	470136.76	3820628.96	5.9E-10	2.48E-09	2.23E-10	3.29E-09	4.91E-10	1.82E-09	1.60E-10	2.47E-09	5.57E-11	3.19E-10	3.80E-11	4.13E-10	5.06E-11	1.67E-10	1.15E-11	2.29E-10
6411	470146.46	3820629.1	5.85E-10	2.46E-09	2.21E-10	3.26E-09	4.88E-10	1.81E-09	1.59E-10	2.45E-09	5.53E-11	3.16E-10	3.78E-11	4.09E-10	5.02E-11	1.66E-10	1.14E-11	2.27E-10
6412	470156.15	3820629.23	5.81E-10	2.44E-09	2.20E-10	3.24E-09	4.84E-10	1.79E-09	1.58E-10	2.43E-09	5.48E-11	3.14E-10	3.75E-11	4.06E-10	4.98E-11	1.64E-10	1.13E-11	2.26E-10
6413	470165.85	3820629.37	5.76E-10	2.42E-09	2.18E-10	3.21E-09	4.80E-10	1.78E-09	1.56E-10	2.41E-09	5.44E-11	3.11E-10	3.71E-11	4.03E-10	4.94E-11	1.63E-10	1.12E-11	2.24E-10
6414	470175.55	3820629.5	5.71E-10	2.40E-09	2.16E-10	3.18E-09	4.76E-10	1.76E-09	1.55E-10	2.39E-09	5.39E-11	3.09E-10	3.68E-11	3.99E-10	4.90E-11	1.62E-10	1.11E-11	2.22E-10
6415	470185.25	3820629.64	5.66E-10	2.38E-09	2.14E-10	3.16E-09	4.71E-10	1.75E-09	1.54E-10	2.37E-09	5.34E-11	3.06E-10	3.65E-11	3.96E-10	4.86E-11	1.60E-10	1.10E-11	2.20E-10
6416	470194.94	3820629.77	5.61E-10	2.36E-09	2.12E-10	3.13E-09	4.67E-10	1.73E-09	1.52E-10	2.35E-09	5.30E-11	3.03E-10	3.62E-11	3.92E-10	4.81E-11	1.59E-10	1.09E-11	2.18E-10
6417	470204.64	3820629.91	5.56E-10	2.33E-09	2.10E-10	3.10E-09	4.63E-10	1.71E-09	1.51E-10	2.33E-09	5.25E-11	3.00E-10	3.58E-11	3.89E-10	4.77E-11	1.57E-10	1.08E-11	2.16E-10
6418	470214.34	3820630.04	5.51E-10	2.31E-09	2.08E-10	3.07E-09	4.59E-10	1.70E-09	1.49E-10	2.31E-09	5.20E-11	2.98E-10	3.55E-11	3.85E-10	4.73E-11	1.56E-10	1.07E-11	2.14E-10
6419	470224.04	3820630.18	5.46E-10	2.29E-09	2.06E-10	3.04E-09	4.54E-10	1.68E-09	1.48E-10	2.29E-09	5.15E-11	2.95E-10	3.52E-11	3.82E-10	4.68E-11	1.54E-10	1.06E-11	2.12E-10
6420	470233.73	3820630.31	5.4E-10	2.27E-09	2.04E-10	3.01E-09	4.50E-10	1.67E-09	1.47E-10	2.26E-09	5.10E-11	2.92E-10	3.49E-11	3.78E-10	4.64E-11	1.53E-10	1.05E-11	2.10E-10
6421	470243.43	3820630.45	5.36E-10	2.25E-09	2.03E-10	2.99E-09	4.46E-10	1.65E-09	1.45E-10	2.24E-09	5.06E-11	2.89E-10	3.45E-11	3.75E-10	4.60E-11	1.52E-10	1.04E-11	2.08E-10
6422	470253.13	3820630.58	5.31E-10	2.23E-09	2.01E-10	2.96E-09	4.42E-10	1.64E-09	1.44E-10	2.22E-09	5.01E-11	2.87E-10	3.42E-11	3.71E-10	4.55E-11	1.50E-10	1.04E-11	2.06E-10
6423	470262.82	3820630.72	5.26E-10	2.21E-09	1.99E-10	2.93E-09	4.38E-10	1.62E-09	1.43E-10	2.20E-09	4.96E-11	2.84E-10	3.39E-11	3.68E-10	4.51E-11	1.49E-10	1.03E-11	2.04E-10
6424	470078.28	3820704.44	5.54E-10	2.33E-09	2.09E-10	3.09E-09	4.61E-10	1.71E-09	1.50E-10	2.32E-09	5.23E-11	2.99E-10	3.57E-11	3.87E-10	4.75E-11	1.57E-10	1.08E-11	2.15E-10
6425	470069.39	3820700.59	5.59E-10	2.35E-09	2.12E-10	3.12E-09	4.66E-10	1.73E-09	1.52E-10	2.34E-09	5.28E-11	3.02E-10	3.61E-11	3.91E-10	4.80E-11	1.58E-10	1.09E-11	2.17E-10
6426	470060.51	3820696.75	5.65E-10	2.37E-09	2.14E-10	3.15E-09	4.70E-10	1.74E-09	1.53E-10	2.37E-09	5.33E-11	3.05E-10	3.64E-11	3.95E-10	4.85E-11	1.60E-10	1.10E-11	2.19E-10
6427	470051.62	3820692.91	5.7E-10	2.39E-09	2.15E-10	3.18E-09	4.75E-10	1.76E-09	1.55E-10	2.39E-09	5.38E-11	3.08E-10	3.68E-11	3.99E-10	4.89E-11	1.61E-10	1.11E-11	2.21E-10
6428	470042.74	3820689.07	5.74E-10	2.41E-09	2.17E-10	3.20E-09	4.79E-10	1.77E-09	1.56E-10	2.41E-09	5.42E-11	3.11E-10	3.71E-11	4.02E-10	4.93E-11	1.63E-10	1.12E-11	2.23E-10
6429	470033.86	3820685.23	5.79E-10	2.43E-09	2.19E-10	3.23E-09	4.82E-10	1.79E-09	1.57E-10	2.43E-09	5.47E-11	3.13E-10	3.73E-11	4.05E-10	4.97E-11	1.64E-10	1.13E-11	2.25E-10
6430	470024.97	3820681.39	5.83E-10	2.45E-09	2.21E-10	3.25E-09	4.86E-10	1.80E-09	1.58E-10	2.44E-09	5.51E-11	3.15E-10	3.76E-11	4.08E-10	5.01E-11	1.65E-10	1.14E-11	2.27E-10
6431	470016.09	3820677.54	5.88E-10	2.47E-09	2.22E-10	3.28E-09	4.89E-10	1.81E-09	1.59E-10	2.46E-09	5.55E-11	3.18E-10	3.79E-11	4.11E-10	5.04E-11	1.66E-10	1.15E-11	2.28E-10
6432	470007.2	3820673.7	5.92E-10	2.48E-09	2.24E-10	3.30E-09	4.93E-10	1.83E-09	1.61E-10	2.48E-09	5.59E-11	3.20E-10	3.82E-11	4.14E-10	5.08E-11	1.67E-10	1.15E-11	2.30E-10
6433	469998.32	3820669.86	5.95E-10	2.50E-09	2.25E-10	3.32E-09	4.96E-10	1.84E-09	1.62E-10	2.49E-09	5.62E-11	3.22E-10	3.84E-11	4.16E-10	5.11E-11	1.68E-10	1.16E-11	2.31E-10
6434	469989.44	3820666.02	5.99E-10	2.51E-09	2.26E-10	3.34E-09	4.99E-10	1.85E-09	1.62E-10	2.51E-09	5.65E-11	3.24E-10	3.86E-11	4.19E-10	5.14E-11	1.69E-10	1.17E-11	2.32E-10
6435	469980.55	3820662.18	6.02E-10	2.53E-09	2.27E-10	3.35E-09	5.01E-10	1.86E-09	1.63E-10	2.52E-09	5.68E-11	3.25E-10	3.88E-11	4.21E-10	5.16E-11	1.70E-10	1.17E-11	2.34E-10
6436	469971.67	3820658.34	6.04E-10	2.54E-09	2.28E-10	3.37E-09	5.03E-10	1.86E-09	1.64E-10	2.53E-09	5.71E-11	3.27E-10	3.90E-11	4.23E-10	5.19E-11	1.71E-10	1.18E-11	2.35E-10
6437	469962.78	3820654.49	6.06E-10	2.55E-09	2.29E-10	3.38E-09	5.05E-10	1.87E-09	1.65E-10	2.54E-09	5.73E-11	3.28E-10	3.91E-11	4.24E-10	5.21E-11	1.72E-10	1.18E-11	2.36E-10
6438	469953.9	3820650.65	6.09E-10	2.56E-09	2.30E-10	3.39E-09	5.07E-10	1.88E-09	1.65E-10	2.55E-09	5.75E-11	3.29E-10	3.93E-11	4.26E-10	5.22E-11	1.72E-10	1.19E-11	2.36E-10
6439	469945.02	3820646.81	6.1E-10	2.56E-09	2.31E-10	3.40E-09	5.08E-10	1.88E-09	1.66E-10	2.56E-09	5.76E-11	3.30E-10	3.94E-11	4.27E-10	5.24E-11	1.73E-10	1.19E-11	2.37E-10
6440	469936.13	3820642.97	6.11E-10	2.57E-09	2.31E-10	3.41E-09	5.09E-10	1.89E-09	1.66E-10	2.56E-09	5.77E-11	3.31E-10	3.94E-11	4.28E-10	5.25E-11	1.73E-10	1.19E-11	2.38E-10
6441	469927.25	3820639.13	6.12E-10	2.57E-09	2.32E-10	3.42E-09	5.10E-10	1.89E-09	1.66E-10	2.57E-09	5.78E-11	3.31E-10	3.95E-11	4.28E-10	5.26E-11	1.73E-10	1.20E-11	2.38E-10
6442	469918.36	3820635.29	6.13E-10	2.57E-09	2.32E-10	3.42E-09	5.11E-10	1.89E-09	1.66E-10	2.57E-09	5.79E-11	3.31E-10	3.95E-11	4.29E-10	5.26E-11	1.74E-10	1.20E-11	2.38E-10
6443	469909.48	3820631.44	6.13E-10	2.58E-09	2.32E-10	3.42E-09	5.11E-10	1.89E-09	1.67E-10	2.57E-09	5.79E-11	3.32E-10	3.96E-11	4.29E-10	5.27E-11	1.74E-10	1.20E-11	2.38E-10
6444	469900.6	3820627.6	6.14E-10	2.58E-09	2.32E-10	3.42E-09	5.11E-10	1.89E-09	1.67E-10	2.57E-09	5.79E-11	3.32E-10	3.96E-11	4.29E-10	5.27E-11	1.74E-10	1.20E-11	2.38E-10
6445	469891.71	3820623.76	6.13E-10	2.57E-09	2.32E-10	3.42E-09	5.11E-10	1.89E-09	1.66E-10	2.57E-09	5.79E-11	3.31E-10	3.95E-11	4.29E-10	5.26E-11	1.74E-10	1.20E-11	2.38E-10
6446	469882.83	3820619.92	6.13E-10	2.57E-09	2.32E-10	3.42E-09	5.10E-10	1.89E-09	1.66E-10	2.57E-09	5.78E-11	3.31E-10	3.95E-11	4.28E-10	5.26E-11	1.73E-10	1.20E-11	2.38E-10

6447	469873.94	3820616.08	6.12E-10	2.57E-09	2.31E-10	3.41E-09	5.09E-10	1.89E-09	1.66E-10	2.56E-09	5.77E-11	3.31E-10	3.94E-11	4.28E-10	5.25E-11	1.73E-10	1.19E-11	2.38E-10
6448	469865.06	3820612.24	6.1E-10	2.56E-09	2.31E-10	3.40E-09	5.08E-10	1.88E-09	1.66E-10	2.56E-09	5.76E-11	3.30E-10	3.94E-11	4.27E-10	5.24E-11	1.73E-10	1.19E-11	2.37E-10
6449	469856.18	3820608.39	6.09E-10	2.56E-09	2.30E-10	3.39E-09	5.07E-10	1.88E-09	1.65E-10	2.55E-09	5.75E-11	3.29E-10	3.93E-11	4.26E-10	5.22E-11	1.72E-10	1.19E-11	2.36E-10
6450	469847.29	3820604.55	6.07E-10	2.55E-09	2.29E-10	3.38E-09	5.05E-10	1.87E-09	1.65E-10	2.54E-09	5.73E-11	3.28E-10	3.91E-11	4.24E-10	5.21E-11	1.72E-10	1.18E-11	2.36E-10
6451	469838.41	3820600.71	6.04E-10	2.54E-09	2.29E-10	3.37E-09	5.04E-10	1.87E-09	1.64E-10	2.53E-09	5.71E-11	3.27E-10	3.90E-11	4.23E-10	5.19E-11	1.71E-10	1.18E-11	2.35E-10
6452	469829.52	3820596.87	6.02E-10	2.53E-09	2.28E-10	3.36E-09	5.01E-10	1.86E-09	1.63E-10	2.52E-09	5.68E-11	3.25E-10	3.88E-11	4.21E-10	5.17E-11	1.70E-10	1.17E-11	2.34E-10
6453	469820.64	3820593.03	5.99E-10	2.52E-09	2.27E-10	3.34E-09	4.99E-10	1.85E-09	1.63E-10	2.51E-09	5.66E-11	3.24E-10	3.86E-11	4.19E-10	5.14E-11	1.70E-10	1.17E-11	2.33E-10
6454	469811.75	3820589.19	5.96E-10	2.50E-09	2.25E-10	3.32E-09	4.96E-10	1.84E-09	1.62E-10	2.50E-09	5.63E-11	3.22E-10	3.84E-11	4.17E-10	5.12E-11	1.69E-10	1.16E-11	2.32E-10
6455	469802.87	3820585.34	5.93E-10	2.49E-09	2.24E-10	3.31E-09	4.94E-10	1.83E-09	1.61E-10	2.48E-09	5.60E-11	3.20E-10	3.82E-11	4.15E-10	5.09E-11	1.68E-10	1.16E-11	2.30E-10
6456	469793.99	3820581.5	5.89E-10	2.47E-09	2.23E-10	3.29E-09	4.91E-10	1.82E-09	1.60E-10	2.47E-09	5.57E-11	3.19E-10	3.80E-11	4.12E-10	5.06E-11	1.67E-10	1.15E-11	2.29E-10
6457	469785.1	3820577.66	5.86E-10	2.46E-09	2.21E-10	3.27E-09	4.88E-10	1.81E-09	1.59E-10	2.45E-09	5.53E-11	3.17E-10	3.78E-11	4.10E-10	5.03E-11	1.66E-10	1.14E-11	2.27E-10
6458	469776.22	3820573.82	5.82E-10	2.44E-09	2.20E-10	3.25E-09	4.85E-10	1.80E-09	1.58E-10	2.44E-09	5.49E-11	3.15E-10	3.75E-11	4.07E-10	4.99E-11	1.65E-10	1.14E-11	2.26E-10
6459	469767.33	3820569.98	5.78E-10	2.43E-09	2.19E-10	3.22E-09	4.81E-10	1.78E-09	1.57E-10	2.42E-09	5.46E-11	3.12E-10	3.73E-11	4.04E-10	4.96E-11	1.64E-10	1.13E-11	2.24E-10
6460	469758.45	3820566.13	5.74E-10	2.41E-09	2.17E-10	3.20E-09	4.78E-10	1.77E-09	1.56E-10	2.40E-09	5.42E-11	3.10E-10	3.70E-11	4.01E-10	4.92E-11	1.62E-10	1.12E-11	2.23E-10
6461	469749.57	3820562.29	5.69E-10	2.39E-09	2.15E-10	3.18E-09	4.74E-10	1.76E-09	1.55E-10	2.39E-09	5.38E-11	3.08E-10	3.67E-11	3.98E-10	4.89E-11	1.61E-10	1.11E-11	2.21E-10
6462	469740.68	3820558.45	5.65E-10	2.37E-09	2.14E-10	3.15E-09	4.71E-10	1.74E-09	1.53E-10	2.37E-09	5.34E-11	3.05E-10	3.64E-11	3.95E-10	4.85E-11	1.60E-10	1.10E-11	2.19E-10
6463	469731.8	3820554.61	5.61E-10	2.35E-09	2.12E-10	3.13E-09	4.67E-10	1.73E-09	1.52E-10	2.35E-09	5.29E-11	3.03E-10	3.62E-11	3.92E-10	4.81E-11	1.59E-10	1.09E-11	2.18E-10
6464	469722.91	3820550.77	5.56E-10	2.34E-09	2.10E-10	3.10E-09	4.63E-10	1.72E-09	1.51E-10	2.33E-09	5.25E-11	3.01E-10	3.59E-11	3.89E-10	4.77E-11	1.57E-10	1.08E-11	2.16E-10
6465	469714.03	3820546.93	5.51E-10	2.32E-09	2.09E-10	3.08E-09	4.59E-10	1.70E-09	1.50E-10	2.31E-09	5.21E-11	2.98E-10	3.56E-11	3.86E-10	4.73E-11	1.56E-10	1.08E-11	2.14E-10
6466	469705.15	3820543.08	5.47E-10	2.30E-09	2.07E-10	3.05E-09	4.55E-10	1.69E-09	1.48E-10	2.29E-09	5.16E-11	2.96E-10	3.53E-11	3.83E-10	4.69E-11	1.55E-10	1.07E-11	2.12E-10
6467	469696.26	3820539.24	5.42E-10	2.28E-09	2.05E-10	3.02E-09	4.52E-10	1.67E-09	1.47E-10	2.27E-09	5.12E-11	2.93E-10	3.50E-11	3.79E-10	4.65E-11	1.53E-10	1.06E-11	2.11E-10
6468	469607.42	3820500.83	4.96E-10	2.08E-09	1.88E-10	2.77E-09	4.13E-10	1.53E-09	1.35E-10	2.08E-09	4.69E-11	2.68E-10	3.20E-11	3.47E-10	4.26E-11	1.41E-10	9.69E-12	1.93E-10
6469	469598.54	3820496.98	4.92E-10	2.07E-09	1.86E-10	2.74E-09	4.10E-10	1.52E-09	1.34E-10	2.06E-09	4.65E-11	2.66E-10	3.17E-11	3.44E-10	4.22E-11	1.39E-10	9.60E-12	1.91E-10
6470	469589.65	3820493.14	4.88E-10	2.05E-09	1.84E-10	2.72E-09	4.06E-10	1.51E-09	1.32E-10	2.04E-09	4.61E-11	2.64E-10	3.15E-11	3.41E-10	4.19E-11	1.38E-10	9.52E-12	1.89E-10
6471	469580.77	3820489.3	4.84E-10	2.03E-09	1.83E-10	2.70E-09	4.03E-10	1.49E-09	1.31E-10	2.03E-09	4.57E-11	2.61E-10	3.12E-11	3.38E-10	4.15E-11	1.37E-10	9.44E-12	1.88E-10
6472	469571.89	3820485.46	4.79E-10	2.01E-09	1.81E-10	2.67E-09	3.99E-10	1.48E-09	1.30E-10	2.01E-09	4.53E-11	2.59E-10	3.09E-11	3.35E-10	4.12E-11	1.36E-10	9.36E-12	1.86E-10
6473	469563	3820481.62	4.76E-10	2.00E-09	1.80E-10	2.65E-09	3.96E-10	1.47E-09	1.29E-10	1.99E-09	4.49E-11	2.57E-10	3.07E-11	3.33E-10	4.08E-11	1.35E-10	9.28E-12	1.85E-10
6474	469554.12	3820477.78	4.72E-10	1.98E-09	1.78E-10	2.63E-09	3.93E-10	1.46E-09	1.28E-10	1.98E-09	4.45E-11	2.55E-10	3.04E-11	3.30E-10	4.05E-11	1.34E-10	9.20E-12	1.83E-10
6475	469545.23	3820473.93	4.68E-10	1.96E-09	1.77E-10	2.61E-09	3.90E-10	1.44E-09	1.27E-10	1.96E-09	4.42E-11	2.53E-10	3.02E-11	3.27E-10	4.02E-11	1.32E-10	9.13E-12	1.82E-10
6476	469536.35	3820470.09	4.64E-10	1.95E-09	1.76E-10	2.59E-09	3.87E-10	1.43E-09	1.26E-10	1.94E-09	4.38E-11	2.51E-10	2.99E-11	3.25E-10	3.98E-11	1.31E-10	9.06E-12	1.80E-10
6477	469527.46	3820466.25	4.6E-10	1.93E-09	1.74E-10	2.57E-09	3.84E-10	1.42E-09	1.25E-10	1.93E-09	4.35E-11	2.49E-10	2.97E-11	3.22E-10	3.95E-11	1.30E-10	8.98E-12	1.79E-10
6478	469518.58	3820462.41	4.57E-10	1.92E-09	1.73E-10	2.55E-09	3.81E-10	1.41E-09	1.24E-10	1.91E-09	4.31E-11	2.47E-10	2.95E-11	3.20E-10	3.92E-11	1.29E-10	8.92E-12	1.77E-10
6479	469509.7	3820458.57	4.53E-10	1.90E-09	1.71E-10	2.53E-09	3.78E-10	1.40E-09	1.23E-10	1.90E-09	4.28E-11	2.45E-10	2.92E-11	3.17E-10	3.89E-11	1.28E-10	8.85E-12	1.76E-10
6480	469500.81	3820454.73	4.5E-10	1.89E-09	1.70E-10	2.51E-09	3.75E-10	1.39E-09	1.22E-10	1.89E-09	4.25E-11	2.43E-10	2.90E-11	3.15E-10	3.86E-11	1.27E-10	8.78E-12	1.75E-10
6481	469491.93	3820450.88	4.47E-10	1.88E-09	1.69E-10	2.49E-09	3.72E-10	1.38E-09	1.21E-10	1.87E-09	4.22E-11	2.41E-10	2.88E-11	3.12E-10	3.83E-11	1.26E-10	8.71E-12	1.73E-10
6482	469483.04	3820447.04	4.43E-10	1.86E-09	1.68E-10	2.47E-09	3.69E-10	1.37E-09	1.20E-10	1.86E-09	4.19E-11	2.40E-10	2.86E-11	3.10E-10	3.81E-11	1.25E-10	8.65E-12	1.72E-10
6483	469474.16	3820443.2	4.4E-10	1.85E-09	1.66E-10	2.45E-09	3.66E-10	1.36E-09	1.19E-10	1.84E-09	4.15E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.25E-10	8.58E-12	1.71E-10
6484	469465.28	3820439.36	4.37E-10	1.83E-09	1.65E-10	2.44E-09	3.64E-10	1.35E-09	1.19E-10	1.83E-09	4.12E-11	2.36E-10	2.82E-11	3.06E-10	3.75E-11	1.24E-10	8.52E-12	1.70E-10
6485	469456.39	3820435.52	4.34E-10	1.82E-09	1.64E-10	2.42E-09	3.61E-10	1.34E-09	1.18E-10	1.82E-09	4.09E-11	2.34E-10	2.80E-11	3.03E-10	3.72E-11	1.23E-10	8.46E-12	1.68E-10
6486	469447.51	3820431.68	4.3E-10	1.81E-09	1.63E-10	2.40E-09	3.58E-10	1.33E-09	1.17E-10	1.80E-09	4.06E-11	2.33E-10	2.78E-11	3.01E-10	3.69E-11	1.22E-10	8.40E-12	1.67E-10
6487	469438.62	3820427.83	4.27E-10	1.79E-09	1.62E-10	2.38E-09	3.56E-10	1.32E-09	1.16E-10	1.79E-09	4.03E-11	2.31E-10	2.76E-11	2.99E-10	3.67E-11	1.21E-10	8.34E-12	1.66E-10
6488	469429.74	3820423.99	4.24E-10	1.78E-09	1.60E-10	2.37E-09	3.53E-10	1.31E-09	1.15E-10	1.78E-09	4.00E-11	2.29E-10	2.74E-11	2.97E-10	3.64E-11	1.20E-10	8.27E-12	1.65E-10
6489	469420.86	3820420.15	4.21E-10	1.77E-09	1.59E-10	2.35E-09	3.51E-10	1.30E-09	1.14E-10	1.76E-09	3.98E-11	2.28E-10	2.72E-11	2.94E-10	3.61E-11	1.19E-10	8.21E-12	1.64E-10
6490	469411.97	3820416.31	4.18E-10	1.75E-09	1.58E-10	2.33E-09	3.48E-10	1.29E-09	1.13E-10	1.75E-09	3.95E-11	2.26E-10	2.70E-11	2.92E-10	3.59E-11	1.18E-10	8.15E-12	1.62E-10
6491	469403.09	3820412.47	4.15E-10	1.74E-09	1.57E-10	2.31E-09	3.46E-10	1.28E-09	1.13E-10	1.74E-09	3.92E-11	2.24E-10	2.68E-11	2.90E-10	3.56E-11	1.17E-10	8.09E-12	1.61E-10
6492	469394.2	3820408.62	4.12E-10	1.73E-09	1.56E-10	2.30E-09	3.43E-10	1.27E-09	1.12E-10	1.73E-09	3.89E-11	2.23E-10	2.66E-11	2.88E-10	3.53E-11	1.17E-10	8.03E-12	1.60E-10
6493	469385.32	3820404.78	4.09E-10	1.72E-09	1.55E-10	2.28E-09	3.40E-10	1.26E-09	1.11E-10	1.71E-09	3.86E-11	2.21E-10	2.64E-11	2.86E-10	3.51E-11	1.16E-10	7.97E-12	1.59E-10
6494	469376.44	3820400.94	4.05E-10	1.70E-09	1.53E-10	2.26E-09	3.38E-10	1.25E-09	1.10E-10	1.70E-09	3.83E-11	2.19E-10	2.61E-11	2.84E-10	3.48E-11	1.15E-10	7.91E-12	1.57E-10
6495	469367.55	3820397.1	4.02E-10	1.69E-09	1.52E-10	2.24E-09	3.35E-10	1.24E-09	1.09E-10	1.68E-09	3.80E-11	2.17E-10	2.59E-11	2.81E-10	3.45E-11	1.14E-10	7.85E-12	1.56E-10
6496	469358.67	3820393.26	3.99E-10	1.68E-09	1.51E-10	2.22E-09	3.32E-10	1.23E-09	1.08E-10	1.67E-09	3.77E-11	2.16E-10	2.57E-11	2.79E-10	3.42E-11	1.13E-10	7.78E-12	1.55E-10

6497	469349.78	3820389.42	3.96E-10	1.66E-09	1.50E-10	2.21E-09	3.30E-10	1.22E-09	1.07E-10	1.66E-09	3.74E-11	2.14E-10	2.55E-11	2.77E-10	3.40E-11	1.12E-10	7.72E-12	1.54E-10
6498	469340.9	3820385.57	3.92E-10	1.65E-09	1.48E-10	2.19E-09	3.27E-10	1.21E-09	1.06E-10	1.64E-09	3.70E-11	2.12E-10	2.53E-11	2.74E-10	3.37E-11	1.11E-10	7.66E-12	1.52E-10
6499	469332.02	3820381.73	3.89E-10	1.63E-09	1.47E-10	2.17E-09	3.24E-10	1.20E-09	1.06E-10	1.63E-09	3.67E-11	2.10E-10	2.51E-11	2.72E-10	3.34E-11	1.10E-10	7.59E-12	1.51E-10
6500	469323.13	3820377.89	3.86E-10	1.62E-09	1.46E-10	2.15E-09	3.21E-10	1.19E-09	1.05E-10	1.62E-09	3.64E-11	2.08E-10	2.49E-11	2.70E-10	3.31E-11	1.09E-10	7.52E-12	1.50E-10
6501	469314.25	3820374.05	3.82E-10	1.60E-09	1.44E-10	2.13E-09	3.18E-10	1.18E-09	1.04E-10	1.60E-09	3.61E-11	2.07E-10	2.46E-11	2.67E-10	3.28E-11	1.08E-10	7.45E-12	1.48E-10
6502	469305.36	3820370.21	3.79E-10	1.59E-09	1.43E-10	2.11E-09	3.15E-10	1.17E-09	1.03E-10	1.59E-09	3.57E-11	2.05E-10	2.44E-11	2.65E-10	3.25E-11	1.07E-10	7.39E-12	1.47E-10
6503	469296.48	3820366.37	3.75E-10	1.57E-09	1.42E-10	2.09E-09	3.12E-10	1.16E-09	1.02E-10	1.57E-09	3.54E-11	2.03E-10	2.42E-11	2.62E-10	3.22E-11	1.06E-10	7.32E-12	1.46E-10
6504	469269.83	3820354.84	3.64E-10	1.53E-09	1.38E-10	2.03E-09	3.03E-10	1.12E-09	9.88E-11	1.53E-09	3.44E-11	1.97E-10	2.35E-11	2.55E-10	3.13E-11	1.03E-10	7.10E-12	1.41E-10
6505	469260.94	3820351	3.6E-10	1.51E-09	1.36E-10	2.01E-09	3.00E-10	1.11E-09	9.78E-11	1.51E-09	3.40E-11	1.95E-10	2.32E-11	2.52E-10	3.09E-11	1.02E-10	7.03E-12	1.40E-10
6506	469252.06	3820347.16	3.57E-10	1.50E-09	1.35E-10	1.99E-09	2.97E-10	1.10E-09	9.68E-11	1.49E-09	3.37E-11	1.93E-10	2.30E-11	2.49E-10	3.06E-11	1.01E-10	6.96E-12	1.38E-10
6507	469243.18	3820343.32	3.53E-10	1.48E-09	1.33E-10	1.97E-09	2.94E-10	1.09E-09	9.57E-11	1.48E-09	3.33E-11	1.91E-10	2.27E-11	2.47E-10	3.03E-11	9.98E-11	6.88E-12	1.37E-10
6508	469234.29	3820339.47	3.49E-10	1.46E-09	1.32E-10	1.94E-09	2.90E-10	1.08E-09	9.47E-11	1.46E-09	3.29E-11	1.88E-10	2.25E-11	2.44E-10	2.99E-11	9.87E-11	6.80E-12	1.35E-10
6509	469225.41	3820335.63	3.45E-10	1.45E-09	1.30E-10	1.92E-09	2.87E-10	1.06E-09	9.36E-11	1.44E-09	3.25E-11	1.86E-10	2.22E-11	2.41E-10	2.96E-11	9.76E-11	6.72E-12	1.34E-10
6510	469216.52	3820331.79	3.41E-10	1.43E-09	1.29E-10	1.90E-09	2.84E-10	1.05E-09	9.25E-11	1.43E-09	3.22E-11	1.84E-10	2.20E-11	2.38E-10	2.92E-11	9.64E-11	6.65E-12	1.32E-10
6511	469207.64	3820327.95	3.37E-10	1.41E-09	1.27E-10	1.88E-09	2.80E-10	1.04E-09	9.13E-11	1.41E-09	3.18E-11	1.82E-10	2.17E-11	2.35E-10	2.89E-11	9.53E-11	6.57E-12	1.31E-10
6512	469195.22	3820315.1	3.31E-10	1.39E-09	1.25E-10	1.85E-09	2.76E-10	1.02E-09	8.99E-11	1.39E-09	3.13E-11	1.79E-10	2.14E-11	2.32E-10	2.84E-11	9.38E-11	6.46E-12	1.29E-10
6513	469191.68	3820306.09	3.3E-10	1.39E-09	1.25E-10	1.84E-09	2.75E-10	1.02E-09	8.96E-11	1.38E-09	3.12E-11	1.78E-10	2.13E-11	2.31E-10	2.83E-11	9.34E-11	6.44E-12	1.28E-10
6514	469188.14	3820297.08	3.29E-10	1.38E-09	1.24E-10	1.83E-09	2.74E-10	1.01E-09	8.92E-11	1.38E-09	3.10E-11	1.78E-10	2.12E-11	2.30E-10	2.82E-11	9.30E-11	6.41E-12	1.28E-10
6515	469184.6	3820288.07	3.27E-10	1.37E-09	1.24E-10	1.82E-09	2.73E-10	1.01E-09	8.88E-11	1.37E-09	3.09E-11	1.77E-10	2.11E-11	2.29E-10	2.81E-11	9.26E-11	6.38E-12	1.27E-10
6516	469181.06	3820279.06	3.26E-10	1.37E-09	1.23E-10	1.82E-09	2.71E-10	1.00E-09	8.84E-11	1.36E-09	3.07E-11	1.76E-10	2.10E-11	2.28E-10	2.79E-11	9.22E-11	6.35E-12	1.26E-10
6517	469177.53	3820270.05	3.24E-10	1.36E-09	1.22E-10	1.81E-09	2.70E-10	9.99E-10	8.79E-11	1.36E-09	3.06E-11	1.75E-10	2.09E-11	2.27E-10	2.78E-11	9.17E-11	6.32E-12	1.26E-10
6518	469173.99	3820261.04	3.22E-10	1.35E-09	1.22E-10	1.80E-09	2.68E-10	9.94E-10	8.74E-11	1.35E-09	3.04E-11	1.74E-10	2.08E-11	2.25E-10	2.76E-11	9.12E-11	6.28E-12	1.25E-10
6519	469170.45	3820252.03	3.2E-10	1.34E-09	1.21E-10	1.79E-09	2.67E-10	9.88E-10	8.69E-11	1.34E-09	3.02E-11	1.73E-10	2.06E-11	2.24E-10	2.75E-11	9.06E-11	6.25E-12	1.24E-10
6520	469166.91	3820243.02	3.18E-10	1.34E-09	1.20E-10	1.77E-09	2.65E-10	9.81E-10	8.63E-11	1.33E-09	3.00E-11	1.72E-10	2.05E-11	2.22E-10	2.73E-11	9.00E-11	6.20E-12	1.24E-10
6521	469163.37	3820234.01	3.16E-10	1.33E-09	1.19E-10	1.76E-09	2.63E-10	9.75E-10	8.57E-11	1.32E-09	2.98E-11	1.71E-10	2.04E-11	2.21E-10	2.71E-11	8.94E-11	6.16E-12	1.23E-10
6522	469159.84	3820225	3.14E-10	1.32E-09	1.19E-10	1.75E-09	2.61E-10	9.67E-10	8.51E-11	1.31E-09	2.96E-11	1.69E-10	2.02E-11	2.19E-10	2.69E-11	8.87E-11	6.12E-12	1.22E-10
6523	469156.3	3820216	3.11E-10	1.31E-09	1.18E-10	1.74E-09	2.59E-10	9.60E-10	8.44E-11	1.30E-09	2.94E-11	1.68E-10	2.01E-11	2.18E-10	2.67E-11	8.81E-11	6.07E-12	1.21E-10
6524	469152.76	3820206.99	3.09E-10	1.30E-09	1.17E-10	1.72E-09	2.57E-10	9.52E-10	8.38E-11	1.29E-09	2.91E-11	1.67E-10	1.99E-11	2.16E-10	2.65E-11	8.74E-11	6.02E-12	1.20E-10
6525	469149.22	3820197.98	3.06E-10	1.29E-09	1.16E-10	1.71E-09	2.55E-10	9.44E-10	8.31E-11	1.28E-09	2.89E-11	1.65E-10	1.97E-11	2.14E-10	2.63E-11	8.66E-11	5.97E-12	1.19E-10
6526	469145.68	3820188.97	3.03E-10	1.27E-09	1.15E-10	1.69E-09	2.53E-10	9.36E-10	8.23E-11	1.27E-09	2.86E-11	1.64E-10	1.96E-11	2.12E-10	2.60E-11	8.58E-11	5.92E-12	1.18E-10
6527	469142.15	3820179.96	3E-10	1.26E-09	1.14E-10	1.68E-09	2.50E-10	9.27E-10	8.15E-11	1.26E-09	2.84E-11	1.62E-10	1.94E-11	2.10E-10	2.58E-11	8.50E-11	5.86E-12	1.17E-10
6528	469138.61	3820170.95	2.97E-10	1.25E-09	1.13E-10	1.66E-09	2.48E-10	9.18E-10	8.08E-11	1.25E-09	2.81E-11	1.61E-10	1.92E-11	2.08E-10	2.55E-11	8.42E-11	5.80E-12	1.16E-10
6529	469135.07	3820161.94	2.94E-10	1.24E-09	1.11E-10	1.64E-09	2.45E-10	9.08E-10	7.99E-11	1.23E-09	2.78E-11	1.59E-10	1.90E-11	2.06E-10	2.53E-11	8.33E-11	5.74E-12	1.14E-10
6530	469131.53	3820152.93	2.91E-10	1.22E-09	1.10E-10	1.62E-09	2.43E-10	8.99E-10	7.91E-11	1.22E-09	2.75E-11	1.57E-10	1.88E-11	2.04E-10	2.50E-11	8.24E-11	5.68E-12	1.13E-10
6531	469127.99	3820143.92	2.88E-10	1.21E-09	1.09E-10	1.61E-09	2.40E-10	8.89E-10	7.82E-11	1.21E-09	2.72E-11	1.56E-10	1.86E-11	2.02E-10	2.47E-11	8.15E-11	5.62E-12	1.12E-10
6532	469124.46	3820134.91	2.85E-10	1.20E-09	1.08E-10	1.59E-09	2.37E-10	8.79E-10	7.73E-11	1.19E-09	2.69E-11	1.54E-10	1.84E-11	1.99E-10	2.44E-11	8.06E-11	5.56E-12	1.11E-10
6533	469120.92	3820125.9	2.81E-10	1.18E-09	1.06E-10	1.57E-09	2.34E-10	8.68E-10	7.64E-11	1.18E-09	2.66E-11	1.52E-10	1.81E-11	1.97E-10	2.41E-11	7.96E-11	5.49E-12	1.09E-10
6534	469117.38	3820116.89	2.78E-10	1.17E-09	1.05E-10	1.55E-09	2.31E-10	8.57E-10	7.54E-11	1.16E-09	2.62E-11	1.50E-10	1.79E-11	1.94E-10	2.38E-11	7.86E-11	5.42E-12	1.08E-10
6535	469113.84	3820107.88	2.74E-10	1.15E-09	1.04E-10	1.53E-09	2.28E-10	8.46E-10	7.44E-11	1.15E-09	2.59E-11	1.48E-10	1.77E-11	1.92E-10	2.35E-11	7.76E-11	5.35E-12	1.07E-10
6536	469110.3	3820098.87	2.71E-10	1.14E-09	1.02E-10	1.51E-09	2.25E-10	8.35E-10	7.34E-11	1.13E-09	2.55E-11	1.46E-10	1.74E-11	1.89E-10	2.32E-11	7.66E-11	5.28E-12	1.05E-10
6537	469106.77	3820089.87	2.67E-10	1.12E-09	1.01E-10	1.49E-09	2.22E-10	8.23E-10	7.24E-11	1.12E-09	2.52E-11	1.44E-10	1.72E-11	1.87E-10	2.29E-11	7.55E-11	5.21E-12	1.04E-10
6538	469103.23	3820080.86	2.63E-10	1.10E-09	9.95E-11	1.47E-09	2.19E-10	8.12E-10	7.14E-11	1.10E-09	2.48E-11	1.42E-10	1.70E-11	1.84E-10	2.26E-11	7.45E-11	5.13E-12	1.02E-10
6539	469099.69	3820071.85	2.59E-10	1.09E-09	9.80E-11	1.45E-09	2.16E-10	8.00E-10	7.04E-11	1.09E-09	2.45E-11	1.40E-10	1.67E-11	1.81E-10	2.23E-11	7.34E-11	5.06E-12	1.01E-10
6540	469096.15	3820062.84	2.55E-10	1.07E-09	9.66E-11	1.42E-09	2.13E-10	7.88E-10	6.93E-11	1.07E-09	2.41E-11	1.38E-10	1.65E-11	1.79E-10	2.19E-11	7.23E-11	4.98E-12	9.92E-11
6541	469074.92	3820008.78	2.31E-10	9.69E-10	8.73E-11	1.29E-09	1.92E-10	7.12E-10	6.27E-11	9.67E-10	2.18E-11	1.25E-10	1.49E-11	1.61E-10	1.98E-11	6.53E-11	4.50E-12	8.97E-11
6542	469071.39	3819999.77	2.27E-10	9.52E-10	8.57E-11	1.26E-09	1.89E-10	6.99E-10	6.15E-11	9.50E-10	2.14E-11	1.22E-10	1.46E-11	1.59E-10	1.95E-11	6.41E-11	4.42E-12	8.80E-11
6543	469067.85	3819990.76	2.22E-10	9.34E-10	8.41E-11	1.24E-09	1.85E-10	6.86E-10	6.04E-11	9.32E-10	2.10E-11	1.20E-10	1.43E-11	1.56E-10	1.91E-11	6.29E-11	4.34E-12	8.64E-11
6544	469064.31	3819981.75	2.18E-10	9.15E-10	8.24E-11	1.22E-09	1.82E-10	6.73E-10	5.92E-11	9.13E-10	2.06E-11	1.18E-10	1.41E-11	1.52E-10	1.87E-11	6.17E-11	4.25E-12	8.47E-11
6545	469060.77	3819972.74	2.14E-10	8.97E-10	8.08E-11	1.19E-09	1.78E-10	6.59E-10	5.80E-11	8.95E-10	2.02E-11	1.15E-10	1.38E-11	1.49E-10	1.83E-11	6.04E-11	4.17E-12	8.29E-11
6546	469057.23	3819963.73	2.09E-10	8.79E-10	7.92E-11	1.17E-09	1.74E-10	6.46E-10	5.68E-11	8.77E-10	1.98E-11	1.13E-10	1.35E-11	1.46E-10	1.80E-11	5.93E-11	4.08E-12	8.13E-11

6547	469053.7	3819954.73	2.05E-10	8.61E-10	7.75E-11	1.14E-09	1.71E-10	6.33E-10	5.57E-11	8.59E-10	1.94E-11	1.11E-10	1.32E-11	1.43E-10	1.76E-11	5.80E-11	4.00E-12	7.96E-11
6548	469050.16	3819945.72	2.01E-10	8.43E-10	7.59E-11	1.12E-09	1.67E-10	6.20E-10	5.45E-11	8.41E-10	1.90E-11	1.09E-10	1.30E-11	1.40E-10	1.72E-11	5.68E-11	3.92E-12	7.80E-11
6549	469046.62	3819936.71	1.97E-10	8.25E-10	7.43E-11	1.10E-09	1.64E-10	6.06E-10	5.33E-11	8.23E-10	1.86E-11	1.06E-10	1.27E-11	1.37E-10	1.69E-11	5.56E-11	3.83E-12	7.63E-11
6550	469043.08	3819927.7	1.92E-10	8.08E-10	7.27E-11	1.07E-09	1.60E-10	5.93E-10	5.22E-11	8.06E-10	1.82E-11	1.04E-10	1.24E-11	1.35E-10	1.65E-11	5.44E-11	3.75E-12	7.47E-11
6551	469039.54	3819918.69	1.88E-10	7.90E-10	7.11E-11	1.05E-09	1.57E-10	5.80E-10	5.10E-11	7.88E-10	1.78E-11	1.02E-10	1.21E-11	1.32E-10	1.61E-11	5.32E-11	3.67E-12	7.30E-11
6552	469036.01	3819909.68	1.84E-10	7.72E-10	6.95E-11	1.02E-09	1.53E-10	5.67E-10	4.99E-11	7.70E-10	1.73E-11	9.93E-11	1.19E-11	1.29E-10	1.58E-11	5.20E-11	3.58E-12	7.14E-11
6553	469032.47	3819900.67	1.79E-10	7.53E-10	6.78E-11	1.00E-09	1.49E-10	5.54E-10	4.87E-11	7.52E-10	1.69E-11	9.70E-11	1.16E-11	1.25E-10	1.54E-11	5.08E-11	3.50E-12	6.97E-11
6554	469028.93	3819891.66	1.75E-10	7.35E-10	6.62E-11	9.77E-10	1.46E-10	5.40E-10	4.75E-11	7.34E-10	1.65E-11	9.47E-11	1.13E-11	1.22E-10	1.50E-11	4.96E-11	3.42E-12	6.80E-11
6555	469025.39	3819882.65	1.71E-10	7.18E-10	6.46E-11	9.53E-10	1.42E-10	5.27E-10	4.64E-11	7.16E-10	1.61E-11	9.24E-11	1.10E-11	1.20E-10	1.47E-11	4.84E-11	3.33E-12	6.64E-11
6556	469021.85	3819873.64	1.67E-10	7.00E-10	6.31E-11	9.30E-10	1.39E-10	5.15E-10	4.53E-11	6.99E-10	1.57E-11	9.02E-11	1.08E-11	1.17E-10	1.43E-11	4.72E-11	3.25E-12	6.48E-11
6557	469018.32	3819864.63	1.63E-10	6.84E-10	6.16E-11	9.08E-10	1.36E-10	5.02E-10	4.42E-11	6.82E-10	1.54E-11	8.80E-11	1.05E-11	1.14E-10	1.40E-11	4.61E-11	3.18E-12	6.32E-11
6558	469014.78	3819855.62	1.59E-10	6.67E-10	6.00E-11	8.85E-10	1.32E-10	4.90E-10	4.31E-11	6.65E-10	1.50E-11	8.58E-11	1.02E-11	1.11E-10	1.36E-11	4.49E-11	3.10E-12	6.17E-11
6559	469011.24	3819846.61	1.55E-10	6.50E-10	5.86E-11	8.64E-10	1.29E-10	4.78E-10	4.20E-11	6.49E-10	1.46E-11	8.37E-11	9.99E-12	1.08E-10	1.33E-11	4.38E-11	3.02E-12	6.01E-11
6560	469007.7	3819837.6	1.51E-10	6.34E-10	5.71E-11	8.42E-10	1.26E-10	4.66E-10	4.10E-11	6.32E-10	1.43E-11	8.16E-11	9.73E-12	1.06E-10	1.30E-11	4.27E-11	2.94E-12	5.86E-11
6561	469004.16	3819828.6	1.47E-10	6.18E-10	5.56E-11	8.21E-10	1.23E-10	4.54E-10	3.99E-11	6.17E-10	1.39E-11	7.95E-11	9.49E-12	1.03E-10	1.26E-11	4.16E-11	2.87E-12	5.71E-11
6562	469000.63	3819819.59	1.43E-10	6.02E-10	5.42E-11	8.00E-10	1.19E-10	4.42E-10	3.89E-11	6.01E-10	1.35E-11	7.75E-11	9.25E-12	1.00E-10	1.23E-11	4.06E-11	2.80E-12	5.57E-11
6563	468997.09	3819810.58	1.4E-10	5.86E-10	5.28E-11	7.79E-10	1.16E-10	4.31E-10	3.79E-11	5.85E-10	1.32E-11	7.55E-11	9.01E-12	9.77E-11	1.20E-11	3.95E-11	2.72E-12	5.42E-11
6564	468993.55	3819801.57	1.36E-10	5.71E-10	5.14E-11	7.58E-10	1.13E-10	4.20E-10	3.69E-11	5.70E-10	1.28E-11	7.35E-11	8.77E-12	9.51E-11	1.17E-11	3.85E-11	2.65E-12	5.28E-11
6565	468990.01	3819792.56	1.32E-10	5.56E-10	5.00E-11	7.38E-10	1.10E-10	4.08E-10	3.59E-11	5.54E-10	1.25E-11	7.15E-11	8.53E-12	9.25E-11	1.14E-11	3.74E-11	2.58E-12	5.14E-11
6566	468986.47	3819783.55	1.29E-10	5.41E-10	4.87E-11	7.18E-10	1.07E-10	3.97E-10	3.49E-11	5.39E-10	1.22E-11	6.96E-11	8.30E-12	9.01E-11	1.11E-11	3.64E-11	2.51E-12	5.00E-11
6567	468982.94	3819774.54	1.25E-10	5.26E-10	4.74E-11	6.99E-10	1.04E-10	3.87E-10	3.40E-11	5.25E-10	1.18E-11	6.77E-11	8.08E-12	8.76E-11	1.08E-11	3.55E-11	2.44E-12	4.87E-11
6568	468979.4	3819765.53	1.22E-10	5.12E-10	4.61E-11	6.80E-10	1.02E-10	3.76E-10	3.31E-11	5.11E-10	1.15E-11	6.59E-11	7.86E-12	8.53E-11	1.05E-11	3.45E-11	2.38E-12	4.73E-11
6569	468975.86	3819756.52	1.19E-10	4.98E-10	4.49E-11	6.62E-10	9.88E-11	3.66E-10	3.22E-11	4.97E-10	1.12E-11	6.41E-11	7.65E-12	8.30E-11	1.02E-11	3.36E-11	2.31E-12	4.61E-11
6570	468972.32	3819747.51	1.15E-10	4.85E-10	4.37E-11	6.44E-10	9.62E-11	3.56E-10	3.13E-11	4.84E-10	1.09E-11	6.24E-11	7.45E-12	8.08E-11	9.91E-12	3.27E-11	2.25E-12	4.48E-11
6571	468968.78	3819738.5	1.12E-10	4.72E-10	4.25E-11	6.27E-10	9.36E-11	3.47E-10	3.05E-11	4.71E-10	1.06E-11	6.07E-11	7.25E-12	7.86E-11	9.64E-12	3.18E-11	2.19E-12	4.36E-11
6572	468965.25	3819729.49	1.09E-10	4.59E-10	4.14E-11	6.10E-10	9.11E-11	3.37E-10	2.97E-11	4.58E-10	1.03E-11	5.91E-11	7.05E-12	7.65E-11	9.39E-12	3.10E-11	2.13E-12	4.25E-11
6573	468961.71	3819720.48	1.06E-10	4.47E-10	4.03E-11	5.94E-10	8.87E-11	3.28E-10	2.89E-11	4.46E-10	1.01E-11	5.75E-11	6.87E-12	7.45E-11	9.14E-12	3.01E-11	2.08E-12	4.13E-11
6574	468958.17	3819711.47	1.04E-10	4.35E-10	3.92E-11	5.78E-10	8.63E-11	3.20E-10	2.81E-11	4.34E-10	9.78E-12	5.60E-11	6.68E-12	7.25E-11	8.89E-12	2.93E-11	2.02E-12	4.02E-11
6575	468954.63	3819702.47	1.01E-10	4.23E-10	3.81E-11	5.62E-10	8.40E-11	3.11E-10	2.74E-11	4.23E-10	9.52E-12	5.45E-11	6.50E-12	7.05E-11	8.66E-12	2.85E-11	1.97E-12	3.92E-11
6576	468951.09	3819693.46	9.81E-11	4.12E-10	3.71E-11	5.47E-10	8.17E-11	3.03E-10	2.66E-11	4.11E-10	9.26E-12	5.30E-11	6.33E-12	6.86E-11	8.42E-12	2.78E-11	1.91E-12	3.81E-11
6577	468947.56	3819684.45	9.54E-11	4.01E-10	3.61E-11	5.32E-10	7.95E-11	2.95E-10	2.59E-11	4.00E-10	9.01E-12	5.16E-11	6.16E-12	6.68E-11	8.19E-12	2.70E-11	1.86E-12	3.71E-11
6578	468944.02	3819675.44	9.28E-11	3.90E-10	3.51E-11	5.18E-10	7.73E-11	2.86E-10	2.52E-11	3.89E-10	8.77E-12	5.02E-11	5.99E-12	6.49E-11	7.97E-12	2.63E-11	1.81E-12	3.61E-11
6579	468940.48	3819666.43	9.04E-11	3.80E-10	3.42E-11	5.04E-10	7.53E-11	2.79E-10	2.45E-11	3.79E-10	8.54E-12	4.89E-11	5.83E-12	6.32E-11	7.76E-12	2.56E-11	1.76E-12	3.51E-11
6580	468936.94	3819657.42	8.8E-11	3.70E-10	3.33E-11	4.91E-10	7.33E-11	2.72E-10	2.39E-11	3.69E-10	8.31E-12	4.76E-11	5.68E-12	6.16E-11	7.56E-12	2.49E-11	1.72E-12	3.42E-11
6581	468933.4	3819648.41	8.58E-11	3.60E-10	3.25E-11	4.79E-10	7.15E-11	2.65E-10	2.33E-11	3.60E-10	8.10E-12	4.64E-11	5.53E-12	6.00E-11	7.37E-12	2.43E-11	1.67E-12	3.33E-11
6582	468929.87	3819639.4	8.36E-11	3.51E-10	3.16E-11	4.66E-10	6.97E-11	2.58E-10	2.27E-11	3.50E-10	7.90E-12	4.52E-11	5.39E-12	5.85E-11	7.18E-12	2.37E-11	1.63E-12	3.25E-11
6583	468926.33	3819630.39	8.15E-11	3.42E-10	3.08E-11	4.55E-10	6.79E-11	2.52E-10	2.21E-11	3.42E-10	7.70E-12	4.41E-11	5.26E-12	5.70E-11	7.00E-12	2.31E-11	1.59E-12	3.17E-11
6584	468922.79	3819621.38	7.95E-11	3.34E-10	3.01E-11	4.44E-10	6.62E-11	2.45E-10	2.16E-11	3.33E-10	7.51E-12	4.30E-11	5.13E-12	5.56E-11	6.83E-12	2.25E-11	1.55E-12	3.09E-11
6585	468919.25	3819612.37	7.75E-11	3.26E-10	2.93E-11	4.33E-10	6.46E-11	2.39E-10	2.10E-11	3.25E-10	7.32E-12	4.19E-11	5.00E-12	5.42E-11	6.66E-12	2.19E-11	1.51E-12	3.01E-11
6586	468915.71	3819603.36	7.56E-11	3.18E-10	2.86E-11	4.22E-10	6.30E-11	2.33E-10	2.05E-11	3.17E-10	7.14E-12	4.09E-11	4.88E-12	5.29E-11	6.49E-12	2.14E-11	1.48E-12	2.94E-11
6587	468912.17	3819594.35	7.38E-11	3.10E-10	2.79E-11	4.11E-10	6.14E-11	2.28E-10	2.00E-11	3.09E-10	6.96E-12	3.99E-11	4.76E-12	5.16E-11	6.33E-12	2.09E-11	1.44E-12	2.86E-11
6588	468908.64	3819585.34	7.19E-11	3.02E-10	2.72E-11	4.01E-10	5.99E-11	2.22E-10	1.95E-11	3.01E-10	6.79E-12	3.89E-11	4.64E-12	5.03E-11	6.18E-12	2.04E-11	1.40E-12	2.79E-11
6589	468905.1	3819576.33	7.03E-11	2.95E-10	2.66E-11	3.92E-10	5.86E-11	2.17E-10	1.91E-11	2.95E-10	6.64E-12	3.80E-11	4.54E-12	4.92E-11	6.04E-12	1.99E-11	1.37E-12	2.73E-11
6590	468901.56	3819567.33	6.87E-11	2.89E-10	2.60E-11	3.83E-10	5.72E-11	2.12E-10	1.87E-11	2.88E-10	6.49E-12	3.71E-11	4.43E-12	4.81E-11	5.90E-12	1.95E-11	1.34E-12	2.67E-11
6591	468898.02	3819558.32	6.72E-11	2.82E-10	2.54E-11	3.75E-10	5.60E-11	2.07E-10	1.82E-11	2.82E-10	6.35E-12	3.63E-11	4.34E-12	4.70E-11	5.77E-12	1.90E-11	1.31E-12	2.61E-11
6592	468894.48	3819549.31	6.58E-11	2.76E-10	2.49E-11	3.67E-10	5.48E-11	2.03E-10	1.79E-11	2.76E-10	6.21E-12	3.56E-11	4.24E-12	4.60E-11	5.65E-12	1.86E-11	1.28E-12	2.56E-11
6593	468890.95	3819540.3	6.44E-11	2.70E-10	2.43E-11	3.59E-10	5.36E-11	1.99E-10	1.75E-11	2.70E-10	6.08E-12	3.48E-11	4.15E-12	4.50E-11	5.53E-12	1.82E-11	1.26E-12	2.50E-11
6594	468887.41	3819531.29	6.31E-11	2.65E-10	2.39E-11	3.52E-10	5.25E-11	1.95E-10	1.71E-11	2.64E-10	5.96E-12	3.41E-11	4.07E-12	4.41E-11	5.41E-12	1.79E-11	1.23E-12	2.45E-11
6595	468883.87	3819522.28	5.78E-11	2.43E-10	2.19E-11	3.23E-10	4.82E-11	1.78E-10	1.57E-11	2.42E-10	5.46E-12	3.13E-11	3.73E-12	4.05E-11	4.97E-12	1.64E-11	1.13E-12	2.25E-11
6596	468880.33	3819513.27	5.67E-11	2.38E-10	2.14E-11	3.16E-10	4.72E-11	1.75E-10	1.54E-11	2.37E-10	5.35E-12	3.06E-11	3.65E-12	3.96E-11	4.86E-12	1.60E-11	1.11E-12	2.20E-11

6597	468876.79	3819504.26	5.57E-11	2.34E-10	2.11E-11	3.11E-10	4.64E-11	1.72E-10	1.51E-11	2.33E-10	5.26E-12	3.01E-11	3.59E-12	3.89E-11	4.78E-12	1.58E-11	1.09E-12	2.16E-11
6598	468873.26	3819495.25	5.47E-11	2.30E-10	2.07E-11	3.05E-10	4.56E-11	1.69E-10	1.49E-11	2.29E-10	5.17E-12	2.96E-11	3.53E-12	3.83E-11	4.70E-12	1.55E-11	1.07E-12	2.13E-11
6599	468869.72	3819486.24	5.41E-11	2.27E-10	2.04E-11	3.02E-10	4.50E-11	1.67E-10	1.47E-11	2.27E-10	5.10E-12	2.92E-11	3.49E-12	3.78E-11	4.64E-12	1.53E-11	1.05E-12	2.10E-11
6600	468866.18	3819477.23	5.34E-11	2.24E-10	2.02E-11	2.98E-10	4.45E-11	1.65E-10	1.45E-11	2.24E-10	5.04E-12	2.89E-11	3.44E-12	3.73E-11	4.58E-12	1.51E-11	1.04E-12	2.07E-11
6601	468862.64	3819468.22	5.28E-11	2.22E-10	2.00E-11	2.94E-10	4.39E-11	1.63E-10	1.43E-11	2.21E-10	4.98E-12	2.85E-11	3.40E-12	3.69E-11	4.53E-12	1.49E-11	1.03E-12	2.05E-11
6602	468859.1	3819459.21	5.22E-11	2.19E-10	1.97E-11	2.91E-10	4.35E-11	1.61E-10	1.42E-11	2.19E-10	4.93E-12	2.82E-11	3.37E-12	3.65E-11	4.48E-12	1.48E-11	1.02E-12	2.03E-11
6603	468855.57	3819450.2	5.16E-11	2.17E-10	1.95E-11	2.88E-10	4.30E-11	1.59E-10	1.40E-11	2.16E-10	4.87E-12	2.79E-11	3.33E-12	3.61E-11	4.43E-12	1.46E-11	1.01E-12	2.00E-11
6604	468852.03	3819441.2	5.1E-11	2.14E-10	1.93E-11	2.85E-10	4.25E-11	1.57E-10	1.38E-11	2.14E-10	4.82E-12	2.76E-11	3.29E-12	3.57E-11	4.38E-12	1.44E-11	9.95E-13	1.98E-11
6605	468848.49	3819432.19	5.04E-11	2.12E-10	1.91E-11	2.81E-10	4.20E-11	1.55E-10	1.37E-11	2.11E-10	4.76E-12	2.72E-11	3.25E-12	3.52E-11	4.33E-12	1.43E-11	9.83E-13	1.96E-11
6606	470087.16	3820708.28	5.48E-10	2.30E-09	2.07E-10	3.06E-09	4.57E-10	1.69E-09	1.49E-10	2.30E-09	5.18E-11	2.96E-10	3.54E-11	3.83E-10	4.71E-11	1.55E-10	1.07E-11	2.13E-10
6607	470096.86	3820708.41	5.45E-10	2.29E-09	2.06E-10	3.04E-09	4.54E-10	1.68E-09	1.48E-10	2.28E-09	5.15E-11	2.95E-10	3.51E-11	3.81E-10	4.68E-11	1.54E-10	1.06E-11	2.12E-10
6608	470106.56	3820708.55	5.41E-10	2.27E-09	2.05E-10	3.02E-09	4.51E-10	1.67E-09	1.47E-10	2.27E-09	5.11E-11	2.93E-10	3.49E-11	3.79E-10	4.65E-11	1.53E-10	1.06E-11	2.10E-10
6609	470116.25	3820708.68	5.38E-10	2.26E-09	2.03E-10	3.00E-09	4.48E-10	1.66E-09	1.46E-10	2.25E-09	5.08E-11	2.91E-10	3.47E-11	3.76E-10	4.62E-11	1.52E-10	1.05E-11	2.09E-10
6610	470125.95	3820708.82	5.34E-10	2.24E-09	2.02E-10	2.98E-09	4.45E-10	1.65E-09	1.45E-10	2.24E-09	5.04E-11	2.89E-10	3.44E-11	3.74E-10	4.58E-11	1.51E-10	1.04E-11	2.07E-10
6611	470135.65	3820708.95	5.3E-10	2.23E-09	2.00E-10	2.96E-09	4.41E-10	1.64E-09	1.44E-10	2.22E-09	5.00E-11	2.86E-10	3.42E-11	3.71E-10	4.55E-11	1.50E-10	1.03E-11	2.06E-10
6612	470145.34	3820709.09	5.26E-10	2.21E-09	1.99E-10	2.93E-09	4.38E-10	1.62E-09	1.43E-10	2.20E-09	4.97E-11	2.84E-10	3.39E-11	3.68E-10	4.51E-11	1.49E-10	1.03E-11	2.04E-10
6613	470155.04	3820709.22	5.22E-10	2.19E-09	1.97E-10	2.91E-09	4.34E-10	1.61E-09	1.42E-10	2.19E-09	4.93E-11	2.82E-10	3.36E-11	3.65E-10	4.48E-11	1.48E-10	1.02E-11	2.03E-10
6614	470164.74	3820709.36	5.17E-10	2.17E-09	1.96E-10	2.89E-09	4.31E-10	1.60E-09	1.40E-10	2.17E-09	4.89E-11	2.80E-10	3.34E-11	3.62E-10	4.44E-11	1.46E-10	1.01E-11	2.01E-10
6615	470174.44	3820709.49	5.13E-10	2.15E-09	1.94E-10	2.86E-09	4.27E-10	1.58E-09	1.39E-10	2.15E-09	4.84E-11	2.77E-10	3.31E-11	3.59E-10	4.40E-11	1.45E-10	1.00E-11	1.99E-10
6616	470184.13	3820709.63	5.08E-10	2.14E-09	1.92E-10	2.84E-09	4.24E-10	1.57E-09	1.38E-10	2.13E-09	4.80E-11	2.75E-10	3.28E-11	3.56E-10	4.37E-11	1.44E-10	9.92E-12	1.98E-10
6617	470193.83	3820709.76	5.04E-10	2.12E-09	1.91E-10	2.81E-09	4.20E-10	1.56E-09	1.37E-10	2.11E-09	4.76E-11	2.73E-10	3.25E-11	3.53E-10	4.33E-11	1.43E-10	9.84E-12	1.96E-10
6618	470203.53	3820709.9	5E-10	2.10E-09	1.89E-10	2.79E-09	4.16E-10	1.54E-09	1.36E-10	2.09E-09	4.72E-11	2.70E-10	3.22E-11	3.49E-10	4.29E-11	1.41E-10	9.75E-12	1.94E-10
6619	470213.22	3820710.03	4.95E-10	2.08E-09	1.87E-10	2.76E-09	4.12E-10	1.53E-09	1.34E-10	2.07E-09	4.68E-11	2.68E-10	3.19E-11	3.46E-10	4.25E-11	1.40E-10	9.66E-12	1.92E-10
6620	470222.92	3820710.17	4.91E-10	2.06E-09	1.86E-10	2.74E-09	4.09E-10	1.51E-09	1.33E-10	2.06E-09	4.63E-11	2.65E-10	3.16E-11	3.43E-10	4.21E-11	1.39E-10	9.57E-12	1.91E-10
6621	470232.62	3820710.3	4.86E-10	2.04E-09	1.84E-10	2.71E-09	4.05E-10	1.50E-09	1.32E-10	2.04E-09	4.59E-11	2.63E-10	3.14E-11	3.40E-10	4.17E-11	1.38E-10	9.49E-12	1.89E-10
6622	470242.32	3820710.44	4.82E-10	2.02E-09	1.82E-10	2.69E-09	4.01E-10	1.49E-09	1.31E-10	2.02E-09	4.55E-11	2.60E-10	3.11E-11	3.37E-10	4.14E-11	1.36E-10	9.40E-12	1.87E-10
6623	470252.01	3820710.57	4.77E-10	2.00E-09	1.81E-10	2.66E-09	3.98E-10	1.47E-09	1.30E-10	2.00E-09	4.51E-11	2.58E-10	3.08E-11	3.34E-10	4.10E-11	1.35E-10	9.31E-12	1.85E-10
6624	470261.71	3820710.71	4.73E-10	1.99E-09	1.79E-10	2.64E-09	3.94E-10	1.46E-09	1.28E-10	1.98E-09	4.47E-11	2.56E-10	3.05E-11	3.31E-10	4.06E-11	1.34E-10	9.23E-12	1.84E-10
6625	470077.22	3820784.45	5.01E-10	2.10E-09	1.90E-10	2.80E-09	4.17E-10	1.55E-09	1.36E-10	2.10E-09	4.73E-11	2.71E-10	3.23E-11	3.51E-10	4.30E-11	1.42E-10	9.78E-12	1.95E-10
6626	470068.39	3820780.63	5.06E-10	2.12E-09	1.91E-10	2.82E-09	4.21E-10	1.56E-09	1.37E-10	2.12E-09	4.78E-11	2.74E-10	3.26E-11	3.54E-10	4.34E-11	1.43E-10	9.87E-12	1.97E-10
6627	470059.56	3820776.82	5.11E-10	2.14E-09	1.93E-10	2.85E-09	4.25E-10	1.58E-09	1.39E-10	2.14E-09	4.82E-11	2.76E-10	3.29E-11	3.57E-10	4.38E-11	1.45E-10	9.96E-12	1.98E-10
6628	470050.73	3820773	5.15E-10	2.16E-09	1.95E-10	2.87E-09	4.29E-10	1.59E-09	1.40E-10	2.16E-09	4.86E-11	2.78E-10	3.32E-11	3.60E-10	4.42E-11	1.46E-10	1.01E-11	2.00E-10
6629	470041.9	3820769.18	5.2E-10	2.18E-09	1.96E-10	2.90E-09	4.33E-10	1.60E-09	1.41E-10	2.18E-09	4.91E-11	2.81E-10	3.35E-11	3.63E-10	4.46E-11	1.47E-10	1.01E-11	2.02E-10
6630	470033.07	3820765.36	5.24E-10	2.20E-09	1.98E-10	2.92E-09	4.36E-10	1.62E-09	1.42E-10	2.20E-09	4.95E-11	2.83E-10	3.38E-11	3.66E-10	4.50E-11	1.48E-10	1.02E-11	2.03E-10
6631	470024.24	3820761.54	5.28E-10	2.22E-09	2.00E-10	2.94E-09	4.40E-10	1.63E-09	1.43E-10	2.21E-09	4.99E-11	2.85E-10	3.41E-11	3.69E-10	4.53E-11	1.49E-10	1.03E-11	2.05E-10
6632	470015.41	3820757.72	5.32E-10	2.23E-09	2.01E-10	2.97E-09	4.43E-10	1.64E-09	1.44E-10	2.23E-09	5.02E-11	2.87E-10	3.43E-11	3.72E-10	4.57E-11	1.51E-10	1.04E-11	2.07E-10
6633	470006.58	3820753.91	5.35E-10	2.25E-09	2.02E-10	2.99E-09	4.46E-10	1.65E-09	1.45E-10	2.24E-09	5.06E-11	2.89E-10	3.45E-11	3.74E-10	4.60E-11	1.52E-10	1.04E-11	2.08E-10
6634	469997.75	3820750.09	5.39E-10	2.26E-09	2.04E-10	3.00E-09	4.49E-10	1.66E-09	1.46E-10	2.26E-09	5.09E-11	2.91E-10	3.47E-11	3.77E-10	4.62E-11	1.52E-10	1.05E-11	2.09E-10
6635	469988.92	3820746.27	5.42E-10	2.27E-09	2.05E-10	3.02E-09	4.51E-10	1.67E-09	1.47E-10	2.27E-09	5.11E-11	2.93E-10	3.49E-11	3.79E-10	4.65E-11	1.53E-10	1.06E-11	2.10E-10
6636	469980.09	3820742.45	5.44E-10	2.29E-09	2.06E-10	3.04E-09	4.54E-10	1.68E-09	1.48E-10	2.28E-09	5.14E-11	2.94E-10	3.51E-11	3.81E-10	4.67E-11	1.54E-10	1.06E-11	2.11E-10
6637	469971.26	3820738.63	5.47E-10	2.30E-09	2.07E-10	3.05E-09	4.56E-10	1.69E-09	1.49E-10	2.29E-09	5.17E-11	2.96E-10	3.53E-11	3.83E-10	4.70E-11	1.55E-10	1.07E-11	2.12E-10
6638	469962.43	3820734.81	5.49E-10	2.31E-09	2.08E-10	3.06E-09	4.58E-10	1.70E-09	1.49E-10	2.30E-09	5.19E-11	2.97E-10	3.54E-11	3.84E-10	4.72E-11	1.56E-10	1.07E-11	2.13E-10
6639	469953.6	3820731	5.52E-10	2.32E-09	2.09E-10	3.08E-09	4.59E-10	1.70E-09	1.50E-10	2.31E-09	5.21E-11	2.98E-10	3.56E-11	3.86E-10	4.74E-11	1.56E-10	1.08E-11	2.14E-10
6640	469944.77	3820727.18	5.54E-10	2.32E-09	2.09E-10	3.09E-09	4.61E-10	1.71E-09	1.50E-10	2.32E-09	5.23E-11	2.99E-10	3.57E-11	3.87E-10	4.75E-11	1.57E-10	1.08E-11	2.15E-10
6641	469935.94	3820723.36	5.55E-10	2.33E-09	2.10E-10	3.10E-09	4.62E-10	1.71E-09	1.51E-10	2.33E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.77E-11	1.57E-10	1.08E-11	2.16E-10
6642	469927.11	3820719.54	5.56E-10	2.34E-09	2.10E-10	3.10E-09	4.64E-10	1.72E-09	1.51E-10	2.33E-09	5.25E-11	3.01E-10	3.59E-11	3.89E-10	4.78E-11	1.58E-10	1.09E-11	2.16E-10
6643	469918.28	3820715.72	5.58E-10	2.34E-09	2.11E-10	3.11E-09	4.64E-10	1.72E-09	1.51E-10	2.34E-09	5.26E-11	3.01E-10	3.60E-11	3.90E-10	4.79E-11	1.58E-10	1.09E-11	2.17E-10
6644	469909.45	3820711.9	5.58E-10	2.34E-09	2.11E-10	3.11E-09	4.65E-10	1.72E-09	1.52E-10	2.34E-09	5.27E-11	3.02E-10	3.60E-11	3.91E-10	4.79E-11	1.58E-10	1.09E-11	2.17E-10
6645	469900.62	3820708.09	5.59E-10	2.35E-09	2.11E-10	3.12E-09	4.65E-10	1.72E-09	1.52E-10	2.34E-09	5.28E-11	3.02E-10	3.60E-11	3.91E-10	4.80E-11	1.58E-10	1.09E-11	2.17E-10
6646	469891.79	3820704.27	5.59E-10	2.35E-09	2.11E-10	3.12E-09	4.65E-10	1.72E-09	1.52E-10	2.34E-09	5.28E-11	3.02E-10	3.60E-11	3.91E-10	4.80E-11	1.58E-10	1.09E-11	2.17E-10

6647	469882.96	3820700.45	5.59E-10	2.35E-09	2.11E-10	3.12E-09	4.65E-10	1.72E-09	1.52E-10	2.34E-09	5.28E-11	3.02E-10	3.60E-11	3.91E-10	4.80E-11	1.58E-10	1.09E-11	2.17E-10
6648	469874.13	3820696.63	5.58E-10	2.34E-09	2.11E-10	3.11E-09	4.65E-10	1.72E-09	1.52E-10	2.34E-09	5.27E-11	3.02E-10	3.60E-11	3.90E-10	4.79E-11	1.58E-10	1.09E-11	2.17E-10
6649	469865.3	3820692.81	5.57E-10	2.34E-09	2.11E-10	3.11E-09	4.64E-10	1.72E-09	1.51E-10	2.34E-09	5.26E-11	3.01E-10	3.60E-11	3.90E-10	4.79E-11	1.58E-10	1.09E-11	2.17E-10
6650	469856.47	3820688.99	5.57E-10	2.34E-09	2.10E-10	3.10E-09	4.64E-10	1.72E-09	1.51E-10	2.33E-09	5.26E-11	3.01E-10	3.59E-11	3.89E-10	4.78E-11	1.58E-10	1.09E-11	2.16E-10
6651	469847.64	3820685.17	5.55E-10	2.33E-09	2.10E-10	3.10E-09	4.63E-10	1.71E-09	1.51E-10	2.33E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.77E-11	1.57E-10	1.08E-11	2.16E-10
6652	469838.81	3820681.36	5.54E-10	2.33E-09	2.09E-10	3.09E-09	4.61E-10	1.71E-09	1.50E-10	2.32E-09	5.23E-11	2.99E-10	3.57E-11	3.87E-10	4.75E-11	1.57E-10	1.08E-11	2.15E-10
6653	469829.98	3820677.54	5.52E-10	2.32E-09	2.09E-10	3.08E-09	4.60E-10	1.70E-09	1.50E-10	2.31E-09	5.21E-11	2.98E-10	3.56E-11	3.86E-10	4.74E-11	1.56E-10	1.08E-11	2.14E-10
6654	469821.15	3820673.72	5.5E-10	2.31E-09	2.08E-10	3.07E-09	4.58E-10	1.70E-09	1.49E-10	2.31E-09	5.19E-11	2.97E-10	3.55E-11	3.85E-10	4.72E-11	1.56E-10	1.07E-11	2.14E-10
6655	469812.32	3820669.9	5.48E-10	2.30E-09	2.07E-10	3.06E-09	4.56E-10	1.69E-09	1.49E-10	2.30E-09	5.17E-11	2.96E-10	3.53E-11	3.83E-10	4.70E-11	1.55E-10	1.07E-11	2.13E-10
6656	469803.49	3820666.08	5.45E-10	2.29E-09	2.06E-10	3.04E-09	4.54E-10	1.68E-09	1.48E-10	2.29E-09	5.15E-11	2.95E-10	3.52E-11	3.82E-10	4.68E-11	1.54E-10	1.06E-11	2.12E-10
6657	469794.66	3820662.26	5.43E-10	2.28E-09	2.05E-10	3.03E-09	4.52E-10	1.68E-09	1.47E-10	2.27E-09	5.13E-11	2.93E-10	3.50E-11	3.80E-10	4.66E-11	1.54E-10	1.06E-11	2.11E-10
6658	469785.83	3820658.45	5.4E-10	2.27E-09	2.04E-10	3.01E-09	4.50E-10	1.67E-09	1.47E-10	2.26E-09	5.10E-11	2.92E-10	3.48E-11	3.78E-10	4.64E-11	1.53E-10	1.05E-11	2.10E-10
6659	469777	3820654.63	5.37E-10	2.26E-09	2.03E-10	3.00E-09	4.47E-10	1.66E-09	1.46E-10	2.25E-09	5.07E-11	2.90E-10	3.46E-11	3.76E-10	4.61E-11	1.52E-10	1.05E-11	2.09E-10
6660	469768.17	3820650.81	5.34E-10	2.24E-09	2.02E-10	2.98E-09	4.45E-10	1.65E-09	1.45E-10	2.24E-09	5.04E-11	2.89E-10	3.44E-11	3.73E-10	4.58E-11	1.51E-10	1.04E-11	2.07E-10
6661	469759.34	3820646.99	5.31E-10	2.23E-09	2.01E-10	2.96E-09	4.42E-10	1.64E-09	1.44E-10	2.22E-09	5.01E-11	2.87E-10	3.42E-11	3.71E-10	4.55E-11	1.50E-10	1.04E-11	2.06E-10
6662	469750.51	3820643.17	5.27E-10	2.21E-09	1.99E-10	2.94E-09	4.39E-10	1.63E-09	1.43E-10	2.21E-09	4.98E-11	2.85E-10	3.40E-11	3.69E-10	4.53E-11	1.49E-10	1.03E-11	2.05E-10
6663	469741.68	3820639.35	5.24E-10	2.20E-09	1.98E-10	2.92E-09	4.36E-10	1.62E-09	1.42E-10	2.19E-09	4.94E-11	2.83E-10	3.38E-11	3.66E-10	4.49E-11	1.48E-10	1.02E-11	2.03E-10
6664	469732.85	3820635.54	5.2E-10	2.18E-09	1.97E-10	2.90E-09	4.33E-10	1.60E-09	1.41E-10	2.18E-09	4.91E-11	2.81E-10	3.35E-11	3.64E-10	4.46E-11	1.47E-10	1.01E-11	2.02E-10
6665	469724.02	3820631.72	5.16E-10	2.17E-09	1.95E-10	2.88E-09	4.30E-10	1.59E-09	1.40E-10	2.16E-09	4.87E-11	2.79E-10	3.33E-11	3.61E-10	4.43E-11	1.46E-10	1.01E-11	2.00E-10
6666	469715.19	3820627.9	5.12E-10	2.15E-09	1.94E-10	2.86E-09	4.27E-10	1.58E-09	1.39E-10	2.15E-09	4.84E-11	2.77E-10	3.30E-11	3.58E-10	4.40E-11	1.45E-10	1.00E-11	1.99E-10
6667	469706.36	3820624.08	5.08E-10	2.13E-09	1.92E-10	2.83E-09	4.23E-10	1.57E-09	1.38E-10	2.13E-09	4.80E-11	2.75E-10	3.28E-11	3.55E-10	4.36E-11	1.44E-10	9.92E-12	1.97E-10
6668	469697.53	3820620.26	5.04E-10	2.12E-09	1.91E-10	2.81E-09	4.20E-10	1.56E-09	1.37E-10	2.11E-09	4.76E-11	2.73E-10	3.25E-11	3.53E-10	4.33E-11	1.43E-10	9.84E-12	1.96E-10
6669	469662.21	3820604.99	4.88E-10	2.05E-09	1.84E-10	2.72E-09	4.06E-10	1.51E-09	1.32E-10	2.04E-09	4.61E-11	2.64E-10	3.15E-11	3.41E-10	4.19E-11	1.38E-10	9.52E-12	1.89E-10
6670	469653.38	3820601.17	4.84E-10	2.03E-09	1.83E-10	2.70E-09	4.03E-10	1.49E-09	1.31E-10	2.03E-09	4.57E-11	2.61E-10	3.12E-11	3.38E-10	4.15E-11	1.37E-10	9.44E-12	1.88E-10
6671	469644.55	3820597.35	4.8E-10	2.01E-09	1.81E-10	2.68E-09	3.99E-10	1.48E-09	1.30E-10	2.01E-09	4.53E-11	2.59E-10	3.09E-11	3.35E-10	4.12E-11	1.36E-10	9.36E-12	1.86E-10
6672	469635.72	3820593.53	4.76E-10	2.00E-09	1.80E-10	2.65E-09	3.96E-10	1.47E-09	1.29E-10	1.99E-09	4.49E-11	2.57E-10	3.07E-11	3.33E-10	4.08E-11	1.35E-10	9.28E-12	1.85E-10
6673	469626.89	3820589.72	4.72E-10	1.98E-09	1.78E-10	2.63E-09	3.93E-10	1.46E-09	1.28E-10	1.98E-09	4.45E-11	2.55E-10	3.04E-11	3.30E-10	4.05E-11	1.33E-10	9.20E-12	1.83E-10
6674	469618.06	3820585.9	4.67E-10	1.96E-09	1.77E-10	2.61E-09	3.89E-10	1.44E-09	1.27E-10	1.96E-09	4.41E-11	2.53E-10	3.02E-11	3.27E-10	4.01E-11	1.32E-10	9.12E-12	1.82E-10
6675	469609.23	3820582.08	4.64E-10	1.95E-09	1.75E-10	2.59E-09	3.86E-10	1.43E-09	1.26E-10	1.94E-09	4.38E-11	2.51E-10	2.99E-11	3.24E-10	3.98E-11	1.31E-10	9.04E-12	1.80E-10
6676	469600.4	3820578.26	4.6E-10	1.93E-09	1.74E-10	2.56E-09	3.83E-10	1.42E-09	1.25E-10	1.93E-09	4.34E-11	2.48E-10	2.96E-11	3.22E-10	3.95E-11	1.30E-10	8.97E-12	1.79E-10
6677	469591.57	3820574.44	4.56E-10	1.91E-09	1.72E-10	2.54E-09	3.80E-10	1.41E-09	1.24E-10	1.91E-09	4.30E-11	2.46E-10	2.94E-11	3.19E-10	3.91E-11	1.29E-10	8.89E-12	1.77E-10
6678	469582.74	3820570.62	4.52E-10	1.90E-09	1.71E-10	2.52E-09	3.76E-10	1.39E-09	1.23E-10	1.89E-09	4.27E-11	2.44E-10	2.92E-11	3.16E-10	3.88E-11	1.28E-10	8.82E-12	1.76E-10
6679	469573.91	3820566.81	4.48E-10	1.88E-09	1.70E-10	2.50E-09	3.73E-10	1.38E-09	1.22E-10	1.88E-09	4.23E-11	2.42E-10	2.89E-11	3.14E-10	3.85E-11	1.27E-10	8.75E-12	1.74E-10
6680	469565.08	3820562.99	4.45E-10	1.87E-09	1.68E-10	2.48E-09	3.70E-10	1.37E-09	1.21E-10	1.86E-09	4.20E-11	2.40E-10	2.87E-11	3.11E-10	3.82E-11	1.26E-10	8.67E-12	1.73E-10
6681	469556.25	3820559.17	4.41E-10	1.85E-09	1.67E-10	2.46E-09	3.67E-10	1.36E-09	1.20E-10	1.85E-09	4.16E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.25E-10	8.60E-12	1.71E-10
6682	469547.42	3820555.35	4.37E-10	1.84E-09	1.65E-10	2.44E-09	3.64E-10	1.35E-09	1.19E-10	1.83E-09	4.13E-11	2.36E-10	2.82E-11	3.06E-10	3.76E-11	1.24E-10	8.54E-12	1.70E-10
6683	469538.59	3820551.53	4.34E-10	1.82E-09	1.64E-10	2.42E-09	3.61E-10	1.34E-09	1.18E-10	1.82E-09	4.10E-11	2.35E-10	2.80E-11	3.04E-10	3.73E-11	1.23E-10	8.47E-12	1.69E-10
6684	469529.76	3820547.71	4.31E-10	1.81E-09	1.63E-10	2.40E-09	3.59E-10	1.33E-09	1.17E-10	1.80E-09	4.07E-11	2.33E-10	2.78E-11	3.01E-10	3.70E-11	1.22E-10	8.40E-12	1.67E-10
6685	469520.93	3820543.9	4.27E-10	1.79E-09	1.62E-10	2.38E-09	3.56E-10	1.32E-09	1.16E-10	1.79E-09	4.03E-11	2.31E-10	2.76E-11	2.99E-10	3.67E-11	1.21E-10	8.34E-12	1.66E-10
6686	469512.1	3820540.08	4.24E-10	1.78E-09	1.60E-10	2.36E-09	3.53E-10	1.31E-09	1.15E-10	1.78E-09	4.00E-11	2.29E-10	2.73E-11	2.97E-10	3.64E-11	1.20E-10	8.27E-12	1.65E-10
6687	469503.27	3820536.26	4.21E-10	1.77E-09	1.59E-10	2.35E-09	3.51E-10	1.30E-09	1.14E-10	1.76E-09	3.97E-11	2.28E-10	2.71E-11	2.94E-10	3.61E-11	1.19E-10	8.21E-12	1.63E-10
6688	469494.44	3820532.44	4.18E-10	1.75E-09	1.58E-10	2.33E-09	3.48E-10	1.29E-09	1.13E-10	1.75E-09	3.94E-11	2.26E-10	2.69E-11	2.92E-10	3.59E-11	1.18E-10	8.15E-12	1.62E-10
6689	469485.61	3820528.62	4.15E-10	1.74E-09	1.57E-10	2.31E-09	3.45E-10	1.28E-09	1.13E-10	1.74E-09	3.92E-11	2.24E-10	2.67E-11	2.90E-10	3.56E-11	1.17E-10	8.09E-12	1.61E-10
6690	469476.78	3820524.8	4.12E-10	1.73E-09	1.56E-10	2.30E-09	3.43E-10	1.27E-09	1.12E-10	1.73E-09	3.89E-11	2.23E-10	2.66E-11	2.88E-10	3.53E-11	1.17E-10	8.03E-12	1.60E-10
6691	469467.95	3820520.99	4.09E-10	1.72E-09	1.55E-10	2.28E-09	3.40E-10	1.26E-09	1.11E-10	1.71E-09	3.86E-11	2.21E-10	2.64E-11	2.86E-10	3.51E-11	1.16E-10	7.98E-12	1.59E-10
6692	469459.12	3820517.17	4.06E-10	1.70E-09	1.54E-10	2.26E-09	3.38E-10	1.25E-09	1.10E-10	1.70E-09	3.83E-11	2.19E-10	2.62E-11	2.84E-10	3.48E-11	1.15E-10	7.92E-12	1.58E-10
6693	469450.29	3820513.35	4.03E-10	1.69E-09	1.52E-10	2.25E-09	3.36E-10	1.24E-09	1.09E-10	1.69E-09	3.81E-11	2.18E-10	2.60E-11	2.82E-10	3.46E-11	1.14E-10	7.87E-12	1.57E-10
6694	469441.46	3820509.53	4E-10	1.68E-09	1.51E-10	2.23E-09	3.33E-10	1.24E-09	1.09E-10	1.68E-09	3.78E-11	2.16E-10	2.58E-11	2.80E-10	3.44E-11	1.13E-10	7.81E-12	1.56E-10
6695	469432.63	3820505.71	3.98E-10	1.67E-09	1.50E-10	2.22E-09	3.31E-10	1.23E-09	1.08E-10	1.67E-09	3.76E-11	2.15E-10	2.56E-11	2.78E-10	3.41E-11	1.13E-10	7.76E-12	1.54E-10
6696	469423.8	3820501.89	3.95E-10	1.66E-09	1.49E-10	2.20E-09	3.29E-10	1.22E-09	1.07E-10	1.65E-09	3.73E-11	2.13E-10	2.55E-11	2.76E-10	3.39E-11	1.12E-10	7.71E-12	1.53E-10

6697	469414.97	3820498.08	3.92E-10	1.65E-09	1.48E-10	2.19E-09	3.27E-10	1.21E-09	1.06E-10	1.64E-09	3.70E-11	2.12E-10	2.53E-11	2.74E-10	3.37E-11	1.11E-10	7.66E-12	1.52E-10
6698	469406.14	3820494.26	3.9E-10	1.64E-09	1.47E-10	2.17E-09	3.25E-10	1.20E-09	1.06E-10	1.63E-09	3.68E-11	2.11E-10	2.51E-11	2.73E-10	3.35E-11	1.10E-10	7.61E-12	1.51E-10
6699	469397.31	3820490.44	3.87E-10	1.63E-09	1.46E-10	2.16E-09	3.22E-10	1.19E-09	1.05E-10	1.62E-09	3.66E-11	2.09E-10	2.50E-11	2.71E-10	3.32E-11	1.10E-10	7.55E-12	1.50E-10
6700	469388.48	3820486.62	3.85E-10	1.62E-09	1.45E-10	2.15E-09	3.20E-10	1.19E-09	1.04E-10	1.61E-09	3.63E-11	2.08E-10	2.48E-11	2.69E-10	3.30E-11	1.09E-10	7.50E-12	1.49E-10
6701	469379.65	3820482.8	3.82E-10	1.60E-09	1.44E-10	2.13E-09	3.18E-10	1.18E-09	1.04E-10	1.60E-09	3.61E-11	2.07E-10	2.46E-11	2.67E-10	3.28E-11	1.08E-10	7.45E-12	1.48E-10
6702	469370.82	3820478.98	3.79E-10	1.59E-09	1.44E-10	2.12E-09	3.16E-10	1.17E-09	1.03E-10	1.59E-09	3.58E-11	2.05E-10	2.45E-11	2.65E-10	3.26E-11	1.07E-10	7.40E-12	1.47E-10
6703	469361.98	3820475.17	3.77E-10	1.58E-09	1.43E-10	2.10E-09	3.14E-10	1.16E-09	1.02E-10	1.58E-09	3.56E-11	2.04E-10	2.43E-11	2.64E-10	3.23E-11	1.07E-10	7.35E-12	1.46E-10
6704	469353.15	3820471.35	3.74E-10	1.57E-09	1.42E-10	2.09E-09	3.12E-10	1.15E-09	1.02E-10	1.57E-09	3.53E-11	2.02E-10	2.41E-11	2.62E-10	3.21E-11	1.06E-10	7.30E-12	1.45E-10
6705	469344.32	3820467.53	3.72E-10	1.56E-09	1.41E-10	2.07E-09	3.10E-10	1.15E-09	1.01E-10	1.56E-09	3.51E-11	2.01E-10	2.40E-11	2.60E-10	3.19E-11	1.05E-10	7.25E-12	1.44E-10
6706	469335.49	3820463.71	3.69E-10	1.55E-09	1.40E-10	2.06E-09	3.07E-10	1.14E-09	1.00E-10	1.55E-09	3.48E-11	1.99E-10	2.38E-11	2.58E-10	3.17E-11	1.04E-10	7.20E-12	1.43E-10
6707	469326.66	3820459.89	3.66E-10	1.54E-09	1.39E-10	2.04E-09	3.05E-10	1.13E-09	9.95E-11	1.54E-09	3.46E-11	1.98E-10	2.36E-11	2.56E-10	3.15E-11	1.04E-10	7.15E-12	1.42E-10
6708	469317.83	3820456.07	3.64E-10	1.53E-09	1.38E-10	2.03E-09	3.03E-10	1.12E-09	9.87E-11	1.52E-09	3.43E-11	1.97E-10	2.35E-11	2.54E-10	3.12E-11	1.03E-10	7.10E-12	1.41E-10
6709	469309	3820452.26	3.61E-10	1.52E-09	1.37E-10	2.01E-09	3.01E-10	1.11E-09	9.80E-11	1.51E-09	3.41E-11	1.95E-10	2.33E-11	2.53E-10	3.10E-11	1.02E-10	7.05E-12	1.40E-10
6710	469300.17	3820448.44	3.58E-10	1.51E-09	1.36E-10	2.00E-09	2.99E-10	1.11E-09	9.73E-11	1.50E-09	3.38E-11	1.94E-10	2.31E-11	2.51E-10	3.08E-11	1.01E-10	6.99E-12	1.39E-10
6711	469291.34	3820444.62	3.56E-10	1.49E-09	1.35E-10	1.98E-09	2.96E-10	1.10E-09	9.65E-11	1.49E-09	3.36E-11	1.92E-10	2.29E-11	2.49E-10	3.05E-11	1.01E-10	6.94E-12	1.38E-10
6712	469264.85	3820433.16	3.47E-10	1.46E-09	1.31E-10	1.94E-09	2.89E-10	1.07E-09	9.42E-11	1.45E-09	3.28E-11	1.88E-10	2.24E-11	2.43E-10	2.98E-11	9.82E-11	6.77E-12	1.35E-10
6713	469256.02	3820429.35	3.44E-10	1.45E-09	1.30E-10	1.92E-09	2.87E-10	1.06E-09	9.34E-11	1.44E-09	3.25E-11	1.86E-10	2.22E-11	2.41E-10	2.95E-11	9.74E-11	6.72E-12	1.34E-10
6714	469247.19	3820425.53	3.41E-10	1.43E-09	1.29E-10	1.90E-09	2.84E-10	1.05E-09	9.26E-11	1.43E-09	3.22E-11	1.84E-10	2.20E-11	2.39E-10	2.93E-11	9.66E-11	6.66E-12	1.33E-10
6715	469238.36	3820421.71	3.38E-10	1.42E-09	1.28E-10	1.89E-09	2.82E-10	1.04E-09	9.18E-11	1.42E-09	3.19E-11	1.83E-10	2.18E-11	2.37E-10	2.90E-11	9.57E-11	6.60E-12	1.31E-10
6716	469229.53	3820417.89	3.35E-10	1.41E-09	1.27E-10	1.87E-09	2.79E-10	1.03E-09	9.09E-11	1.40E-09	3.16E-11	1.81E-10	2.16E-11	2.34E-10	2.88E-11	9.48E-11	6.54E-12	1.30E-10
6717	469220.7	3820414.07	3.32E-10	1.39E-09	1.26E-10	1.85E-09	2.76E-10	1.02E-09	9.01E-11	1.39E-09	3.13E-11	1.79E-10	2.14E-11	2.32E-10	2.85E-11	9.40E-11	6.48E-12	1.29E-10
6718	469211.87	3820410.25	3.29E-10	1.38E-09	1.24E-10	1.83E-09	2.74E-10	1.01E-09	8.92E-11	1.38E-09	3.10E-11	1.78E-10	2.12E-11	2.30E-10	2.82E-11	9.31E-11	6.41E-12	1.28E-10
6719	469203.04	3820406.44	3.26E-10	1.37E-09	1.23E-10	1.82E-09	2.71E-10	1.00E-09	8.84E-11	1.36E-09	3.07E-11	1.76E-10	2.10E-11	2.28E-10	2.79E-11	9.21E-11	6.35E-12	1.26E-10
6720	469194.21	3820402.62	3.22E-10	1.35E-09	1.22E-10	1.80E-09	2.68E-10	9.94E-10	8.75E-11	1.35E-09	3.04E-11	1.74E-10	2.08E-11	2.25E-10	2.77E-11	9.12E-11	6.29E-12	1.25E-10
6721	469185.38	3820398.8	3.19E-10	1.34E-09	1.21E-10	1.78E-09	2.66E-10	9.84E-10	8.66E-11	1.34E-09	3.01E-11	1.72E-10	2.06E-11	2.23E-10	2.74E-11	9.03E-11	6.22E-12	1.24E-10
6722	469176.55	3820394.98	3.16E-10	1.33E-09	1.19E-10	1.76E-09	2.63E-10	9.74E-10	8.57E-11	1.32E-09	2.98E-11	1.71E-10	2.04E-11	2.21E-10	2.71E-11	8.93E-11	6.16E-12	1.23E-10
6723	469167.72	3820391.16	3.12E-10	1.31E-09	1.18E-10	1.74E-09	2.60E-10	9.63E-10	8.47E-11	1.31E-09	2.95E-11	1.69E-10	2.01E-11	2.18E-10	2.68E-11	8.84E-11	6.09E-12	1.21E-10
6724	469158.89	3820387.34	3.09E-10	1.30E-09	1.17E-10	1.72E-09	2.57E-10	9.53E-10	8.38E-11	1.29E-09	2.91E-11	1.67E-10	1.99E-11	2.16E-10	2.65E-11	8.74E-11	6.02E-12	1.20E-10
6725	469150.06	3820383.53	3.05E-10	1.28E-09	1.15E-10	1.70E-09	2.54E-10	9.42E-10	8.28E-11	1.28E-09	2.88E-11	1.65E-10	1.97E-11	2.13E-10	2.62E-11	8.64E-11	5.96E-12	1.19E-10
6726	469137.72	3820370.75	3.01E-10	1.26E-09	1.14E-10	1.68E-09	2.50E-10	9.28E-10	8.16E-11	1.26E-09	2.84E-11	1.63E-10	1.94E-11	2.10E-10	2.58E-11	8.51E-11	5.87E-12	1.17E-10
6727	469134.2	3820361.8	3E-10	1.26E-09	1.13E-10	1.67E-09	2.50E-10	9.25E-10	8.13E-11	1.26E-09	2.83E-11	1.62E-10	1.93E-11	2.10E-10	2.57E-11	8.48E-11	5.85E-12	1.16E-10
6728	469130.68	3820352.84	2.98E-10	1.25E-09	1.13E-10	1.66E-09	2.49E-10	9.21E-10	8.10E-11	1.25E-09	2.82E-11	1.61E-10	1.93E-11	2.09E-10	2.56E-11	8.45E-11	5.82E-12	1.16E-10
6729	469127.17	3820343.89	2.97E-10	1.25E-09	1.12E-10	1.66E-09	2.48E-10	9.17E-10	8.07E-11	1.25E-09	2.81E-11	1.61E-10	1.92E-11	2.08E-10	2.55E-11	8.41E-11	5.80E-12	1.15E-10
6730	469123.65	3820334.94	2.96E-10	1.24E-09	1.12E-10	1.65E-09	2.46E-10	9.13E-10	8.03E-11	1.24E-09	2.79E-11	1.60E-10	1.91E-11	2.07E-10	2.54E-11	8.37E-11	5.77E-12	1.15E-10
6731	469120.14	3820325.98	2.94E-10	1.24E-09	1.11E-10	1.64E-09	2.45E-10	9.08E-10	7.99E-11	1.23E-09	2.78E-11	1.59E-10	1.90E-11	2.06E-10	2.53E-11	8.33E-11	5.74E-12	1.14E-10
6732	469116.62	3820317.03	2.93E-10	1.23E-09	1.11E-10	1.63E-09	2.44E-10	9.04E-10	7.95E-11	1.23E-09	2.77E-11	1.58E-10	1.89E-11	2.05E-10	2.51E-11	8.29E-11	5.71E-12	1.14E-10
6733	469113.1	3820308.07	2.91E-10	1.22E-09	1.10E-10	1.62E-09	2.43E-10	8.98E-10	7.90E-11	1.22E-09	2.75E-11	1.57E-10	1.88E-11	2.04E-10	2.50E-11	8.24E-11	5.68E-12	1.13E-10
6734	469109.59	3820299.12	2.89E-10	1.22E-09	1.09E-10	1.61E-09	2.41E-10	8.93E-10	7.86E-11	1.21E-09	2.73E-11	1.56E-10	1.87E-11	2.02E-10	2.48E-11	8.19E-11	5.65E-12	1.12E-10
6735	469106.07	3820290.16	2.88E-10	1.21E-09	1.09E-10	1.60E-09	2.40E-10	8.87E-10	7.81E-11	1.20E-09	2.72E-11	1.55E-10	1.85E-11	2.01E-10	2.47E-11	8.14E-11	5.61E-12	1.12E-10
6736	469102.55	3820281.21	2.86E-10	1.20E-09	1.08E-10	1.59E-09	2.38E-10	8.81E-10	7.75E-11	1.20E-09	2.70E-11	1.54E-10	1.84E-11	2.00E-10	2.45E-11	8.09E-11	5.57E-12	1.11E-10
6737	469099.04	3820272.25	2.84E-10	1.19E-09	1.07E-10	1.58E-09	2.36E-10	8.75E-10	7.70E-11	1.19E-09	2.68E-11	1.53E-10	1.83E-11	1.98E-10	2.43E-11	8.03E-11	5.53E-12	1.10E-10
6738	469095.52	3820263.3	2.81E-10	1.18E-09	1.06E-10	1.57E-09	2.34E-10	8.69E-10	7.64E-11	1.18E-09	2.66E-11	1.52E-10	1.82E-11	1.97E-10	2.42E-11	7.97E-11	5.49E-12	1.09E-10
6739	469092	3820254.34	2.79E-10	1.17E-09	1.06E-10	1.56E-09	2.33E-10	8.62E-10	7.58E-11	1.17E-09	2.64E-11	1.51E-10	1.80E-11	1.95E-10	2.40E-11	7.91E-11	5.45E-12	1.08E-10
6740	469088.49	3820245.39	2.77E-10	1.16E-09	1.05E-10	1.54E-09	2.31E-10	8.55E-10	7.52E-11	1.16E-09	2.62E-11	1.50E-10	1.79E-11	1.94E-10	2.38E-11	7.84E-11	5.40E-12	1.08E-10
6741	469084.97	3820236.44	2.75E-10	1.15E-09	1.04E-10	1.53E-09	2.29E-10	8.47E-10	7.45E-11	1.15E-09	2.59E-11	1.48E-10	1.77E-11	1.92E-10	2.36E-11	7.77E-11	5.36E-12	1.07E-10
6742	469081.45	3820227.48	2.72E-10	1.14E-09	1.03E-10	1.52E-09	2.27E-10	8.40E-10	7.39E-11	1.14E-09	2.57E-11	1.47E-10	1.75E-11	1.90E-10	2.34E-11	7.70E-11	5.31E-12	1.06E-10
6743	469077.94	3820218.53	2.7E-10	1.13E-09	1.02E-10	1.50E-09	2.25E-10	8.32E-10	7.32E-11	1.13E-09	2.55E-11	1.46E-10	1.74E-11	1.89E-10	2.31E-11	7.63E-11	5.26E-12	1.05E-10
6744	469074.42	3820209.57	2.67E-10	1.12E-09	1.01E-10	1.49E-09	2.22E-10	8.23E-10	7.24E-11	1.12E-09	2.52E-11	1.44E-10	1.72E-11	1.87E-10	2.29E-11	7.55E-11	5.21E-12	1.04E-10
6745	469070.9	3820200.62	2.64E-10	1.11E-09	9.99E-11	1.47E-09	2.20E-10	8.15E-10	7.17E-11	1.11E-09	2.49E-11	1.43E-10	1.70E-11	1.85E-10	2.27E-11	7.48E-11	5.16E-12	1.03E-10
6746	469067.39	3820191.66	2.61E-10	1.10E-09	9.89E-11	1.46E-09	2.18E-10	8.07E-10	7.10E-11	1.10E-09	2.47E-11	1.41E-10	1.69E-11	1.83E-10	2.24E-11	7.40E-11	5.10E-12	1.02E-10

6747	469063.87	3820182.71	2.58E-10	1.09E-09	9.78E-11	1.44E-09	2.15E-10	7.98E-10	7.02E-11	1.08E-09	2.44E-11	1.40E-10	1.67E-11	1.81E-10	2.22E-11	7.32E-11	5.04E-12	1.00E-10
6748	469060.35	3820173.75	2.56E-10	1.07E-09	9.66E-11	1.43E-09	2.13E-10	7.89E-10	6.94E-11	1.07E-09	2.41E-11	1.38E-10	1.65E-11	1.79E-10	2.19E-11	7.23E-11	4.99E-12	9.93E-11
6749	469056.84	3820164.8	2.53E-10	1.06E-09	9.55E-11	1.41E-09	2.10E-10	7.79E-10	6.86E-11	1.06E-09	2.39E-11	1.37E-10	1.63E-11	1.77E-10	2.17E-11	7.15E-11	4.93E-12	9.81E-11
6750	469053.32	3820155.84	2.49E-10	1.05E-09	9.43E-11	1.39E-09	2.08E-10	7.70E-10	6.77E-11	1.05E-09	2.36E-11	1.35E-10	1.61E-11	1.75E-10	2.14E-11	7.06E-11	4.87E-12	9.69E-11
6751	469049.81	3820146.89	2.46E-10	1.03E-09	9.32E-11	1.37E-09	2.05E-10	7.60E-10	6.69E-11	1.03E-09	2.33E-11	1.33E-10	1.59E-11	1.72E-10	2.11E-11	6.97E-11	4.81E-12	9.57E-11
6752	469046.29	3820137.94	2.43E-10	1.02E-09	9.20E-11	1.36E-09	2.03E-10	7.50E-10	6.60E-11	1.02E-09	2.30E-11	1.31E-10	1.57E-11	1.70E-10	2.09E-11	6.88E-11	4.75E-12	9.45E-11
6753	469042.77	3820128.98	2.4E-10	1.01E-09	9.07E-11	1.34E-09	2.00E-10	7.40E-10	6.51E-11	1.01E-09	2.27E-11	1.30E-10	1.55E-11	1.68E-10	2.06E-11	6.79E-11	4.68E-12	9.32E-11
6754	469039.26	3820120.03	2.37E-10	9.94E-10	8.95E-11	1.32E-09	1.97E-10	7.30E-10	6.42E-11	9.92E-10	2.23E-11	1.28E-10	1.53E-11	1.66E-10	2.03E-11	6.70E-11	4.62E-12	9.19E-11
6755	469035.74	3820111.07	2.33E-10	9.80E-10	8.82E-11	1.30E-09	1.94E-10	7.20E-10	6.33E-11	9.78E-10	2.20E-11	1.26E-10	1.50E-11	1.63E-10	2.00E-11	6.60E-11	4.55E-12	9.06E-11
6756	469032.22	3820102.12	2.3E-10	9.66E-10	8.70E-11	1.28E-09	1.92E-10	7.10E-10	6.24E-11	9.64E-10	2.17E-11	1.24E-10	1.48E-11	1.61E-10	1.97E-11	6.51E-11	4.49E-12	8.93E-11
6757	469028.71	3820093.16	2.27E-10	9.51E-10	8.57E-11	1.26E-09	1.89E-10	6.99E-10	6.15E-11	9.49E-10	2.14E-11	1.22E-10	1.46E-11	1.58E-10	1.94E-11	6.41E-11	4.42E-12	8.80E-11
6758	469025.19	3820084.21	2.23E-10	9.37E-10	8.44E-11	1.24E-09	1.86E-10	6.88E-10	6.06E-11	9.35E-10	2.11E-11	1.21E-10	1.44E-11	1.56E-10	1.91E-11	6.31E-11	4.35E-12	8.66E-11
6759	469021.67	3820075.25	2.2E-10	9.22E-10	8.30E-11	1.22E-09	1.83E-10	6.77E-10	5.96E-11	9.20E-10	2.07E-11	1.19E-10	1.42E-11	1.54E-10	1.88E-11	6.21E-11	4.28E-12	8.53E-11
6760	469018.16	3820066.3	2.16E-10	9.07E-10	8.17E-11	1.20E-09	1.80E-10	6.66E-10	5.86E-11	9.05E-10	2.04E-11	1.17E-10	1.39E-11	1.51E-10	1.85E-11	6.11E-11	4.21E-12	8.39E-11
6761	469014.64	3820057.35	2.12E-10	8.92E-10	8.03E-11	1.18E-09	1.77E-10	6.56E-10	5.77E-11	8.90E-10	2.01E-11	1.15E-10	1.37E-11	1.49E-10	1.82E-11	6.01E-11	4.15E-12	8.25E-11
6762	468993.54	3820003.62	1.9E-10	7.99E-10	7.20E-11	1.06E-09	1.59E-10	5.87E-10	5.17E-11	7.98E-10	1.80E-11	1.03E-10	1.23E-11	1.33E-10	1.63E-11	5.39E-11	3.71E-12	7.39E-11
6763	468990.02	3819994.66	1.87E-10	7.84E-10	7.06E-11	1.04E-09	1.56E-10	5.76E-10	5.07E-11	7.82E-10	1.76E-11	1.01E-10	1.20E-11	1.31E-10	1.60E-11	5.29E-11	3.64E-12	7.25E-11
6764	468986.51	3819985.71	1.83E-10	7.69E-10	6.92E-11	1.02E-09	1.52E-10	5.65E-10	4.97E-11	7.67E-10	1.73E-11	9.90E-11	1.18E-11	1.28E-10	1.57E-11	5.18E-11	3.57E-12	7.11E-11
6765	468982.99	3819976.75	1.79E-10	7.53E-10	6.78E-11	1.00E-09	1.49E-10	5.54E-10	4.87E-11	7.52E-10	1.69E-11	9.70E-11	1.16E-11	1.25E-10	1.54E-11	5.08E-11	3.50E-12	6.97E-11
6766	468979.48	3819967.8	1.76E-10	7.38E-10	6.65E-11	9.80E-10	1.46E-10	5.42E-10	4.77E-11	7.36E-10	1.66E-11	9.50E-11	1.13E-11	1.23E-10	1.51E-11	4.97E-11	3.43E-12	6.82E-11
6767	468975.96	3819958.85	1.72E-10	7.23E-10	6.51E-11	9.60E-10	1.43E-10	5.31E-10	4.67E-11	7.21E-10	1.63E-11	9.30E-11	1.11E-11	1.20E-10	1.48E-11	4.87E-11	3.36E-12	6.69E-11
6768	468972.44	3819949.89	1.68E-10	7.07E-10	6.37E-11	9.40E-10	1.40E-10	5.20E-10	4.57E-11	7.06E-10	1.59E-11	9.11E-11	1.09E-11	1.18E-10	1.45E-11	4.77E-11	3.29E-12	6.54E-11
6769	468968.93	3819940.94	1.65E-10	6.92E-10	6.23E-11	9.19E-10	1.37E-10	5.09E-10	4.47E-11	6.91E-10	1.56E-11	8.91E-11	1.06E-11	1.15E-10	1.42E-11	4.67E-11	3.22E-12	6.40E-11
6770	468965.41	3819931.98	1.61E-10	6.77E-10	6.10E-11	8.99E-10	1.34E-10	4.97E-10	4.38E-11	6.75E-10	1.52E-11	8.71E-11	1.04E-11	1.13E-10	1.38E-11	4.56E-11	3.14E-12	6.26E-11
6771	468961.89	3819923.03	1.58E-10	6.62E-10	5.96E-11	8.79E-10	1.31E-10	4.86E-10	4.28E-11	6.60E-10	1.49E-11	8.52E-11	1.02E-11	1.10E-10	1.35E-11	4.46E-11	3.07E-12	6.12E-11
6772	468958.38	3819914.07	1.54E-10	6.47E-10	5.82E-11	8.59E-10	1.28E-10	4.75E-10	4.18E-11	6.45E-10	1.45E-11	8.32E-11	9.93E-12	1.08E-10	1.32E-11	4.36E-11	3.00E-12	5.98E-11
6773	468954.86	3819905.12	1.5E-10	6.31E-10	5.69E-11	8.39E-10	1.25E-10	4.64E-10	4.08E-11	6.30E-10	1.42E-11	8.13E-11	9.70E-12	1.05E-10	1.29E-11	4.26E-11	2.93E-12	5.84E-11
6774	468951.34	3819896.16	1.47E-10	6.17E-10	5.55E-11	8.19E-10	1.22E-10	4.53E-10	3.99E-11	6.15E-10	1.39E-11	7.94E-11	9.47E-12	1.03E-10	1.26E-11	4.16E-11	2.86E-12	5.70E-11
6775	468947.83	3819887.21	1.43E-10	6.02E-10	5.42E-11	8.00E-10	1.19E-10	4.42E-10	3.89E-11	6.01E-10	1.35E-11	7.75E-11	9.25E-12	1.00E-10	1.23E-11	4.06E-11	2.80E-12	5.57E-11
6776	468944.31	3819878.26	1.4E-10	5.88E-10	5.29E-11	7.81E-10	1.17E-10	4.32E-10	3.80E-11	5.87E-10	1.32E-11	7.57E-11	9.03E-12	9.79E-11	1.20E-11	3.96E-11	2.73E-12	5.44E-11
6777	468940.79	3819869.3	1.37E-10	5.74E-10	5.17E-11	7.62E-10	1.14E-10	4.22E-10	3.71E-11	5.73E-10	1.29E-11	7.39E-11	8.81E-12	9.56E-11	1.17E-11	3.87E-11	2.67E-12	5.31E-11
6778	468937.28	3819860.35	1.33E-10	5.60E-10	5.04E-11	7.44E-10	1.11E-10	4.11E-10	3.62E-11	5.59E-10	1.26E-11	7.21E-11	8.60E-12	9.33E-11	1.14E-11	3.77E-11	2.60E-12	5.18E-11
6779	468933.76	3819851.39	1.3E-10	5.46E-10	4.92E-11	7.26E-10	1.08E-10	4.01E-10	3.53E-11	5.45E-10	1.23E-11	7.03E-11	8.39E-12	9.10E-11	1.12E-11	3.68E-11	2.54E-12	5.05E-11
6780	468930.24	3819842.44	1.27E-10	5.33E-10	4.80E-11	7.08E-10	1.06E-10	3.92E-10	3.45E-11	5.32E-10	1.20E-11	6.86E-11	8.19E-12	8.88E-11	1.09E-11	3.59E-11	2.48E-12	4.93E-11
6781	468926.73	3819833.48	1.24E-10	5.20E-10	4.68E-11	6.90E-10	1.03E-10	3.82E-10	3.36E-11	5.19E-10	1.17E-11	6.69E-11	7.98E-12	8.66E-11	1.06E-11	3.50E-11	2.42E-12	4.81E-11
6782	468923.21	3819824.53	1.21E-10	5.07E-10	4.57E-11	6.73E-10	1.01E-10	3.73E-10	3.28E-11	5.06E-10	1.14E-11	6.53E-11	7.79E-12	8.44E-11	1.04E-11	3.42E-11	2.36E-12	4.69E-11
6783	468919.69	3819815.57	1.18E-10	4.94E-10	4.45E-11	6.56E-10	9.79E-11	3.63E-10	3.19E-11	4.93E-10	1.11E-11	6.36E-11	7.58E-12	8.22E-11	1.01E-11	3.33E-11	2.29E-12	4.57E-11
6784	468916.18	3819806.62	1.15E-10	4.81E-10	4.33E-11	6.39E-10	9.54E-11	3.53E-10	3.11E-11	4.80E-10	1.08E-11	6.19E-11	7.39E-12	8.01E-11	9.83E-12	3.24E-11	2.23E-12	4.45E-11
6785	468912.66	3819797.66	1.12E-10	4.68E-10	4.22E-11	6.22E-10	9.29E-11	3.44E-10	3.03E-11	4.67E-10	1.05E-11	6.03E-11	7.19E-12	7.80E-11	9.57E-12	3.16E-11	2.18E-12	4.33E-11
6786	468909.15	3819788.71	1.09E-10	4.57E-10	4.11E-11	6.06E-10	9.06E-11	3.36E-10	2.95E-11	4.56E-10	1.03E-11	5.88E-11	7.01E-12	7.61E-11	9.33E-12	3.08E-11	2.12E-12	4.22E-11
6787	468905.63	3819779.76	1.06E-10	4.45E-10	4.01E-11	5.91E-10	8.82E-11	3.27E-10	2.88E-11	4.44E-10	1.00E-11	5.73E-11	6.83E-12	7.41E-11	9.09E-12	3.00E-11	2.07E-12	4.11E-11
6788	468902.11	3819770.8	1.03E-10	4.34E-10	3.91E-11	5.76E-10	8.60E-11	3.19E-10	2.80E-11	4.33E-10	9.75E-12	5.58E-11	6.66E-12	7.22E-11	8.86E-12	2.92E-11	2.01E-12	4.01E-11
6789	468898.6	3819761.85	1.01E-10	4.22E-10	3.80E-11	5.61E-10	8.38E-11	3.10E-10	2.73E-11	4.22E-10	9.50E-12	5.44E-11	6.49E-12	7.04E-11	8.64E-12	2.85E-11	1.96E-12	3.91E-11
6790	468895.08	3819752.89	9.8E-11	4.12E-10	3.71E-11	5.47E-10	8.17E-11	3.03E-10	2.66E-11	4.11E-10	9.26E-12	5.30E-11	6.32E-12	6.86E-11	8.42E-12	2.78E-11	1.91E-12	3.81E-11
6791	468891.56	3819743.94	9.56E-11	4.01E-10	3.61E-11	5.33E-10	7.96E-11	2.95E-10	2.59E-11	4.00E-10	9.02E-12	5.17E-11	6.16E-12	6.68E-11	8.20E-12	2.70E-11	1.86E-12	3.71E-11
6792	468888.05	3819734.98	9.31E-11	3.91E-10	3.52E-11	5.19E-10	7.76E-11	2.87E-10	2.53E-11	3.90E-10	8.80E-12	5.03E-11	6.01E-12	6.52E-11	8.00E-12	2.64E-11	1.82E-12	3.62E-11
6793	468884.53	3819726.03	9.08E-11	3.81E-10	3.43E-11	5.06E-10	7.56E-11	2.80E-10	2.46E-11	3.80E-10	8.57E-12	4.91E-11	5.86E-12	6.35E-11	7.79E-12	2.57E-11	1.77E-12	3.53E-11
6794	468881.01	3819717.07	8.85E-11	3.72E-10	3.35E-11	4.93E-10	7.37E-11	2.73E-10	2.40E-11	3.71E-10	8.36E-12	4.78E-11	5.71E-12	6.19E-11	7.60E-12	2.50E-11	1.73E-12	3.44E-11
6795	468877.5	3819708.12	8.62E-11	3.62E-10	3.26E-11	4.81E-10	7.18E-11	2.66E-10	2.34E-11	3.61E-10	8.14E-12	4.66E-11	5.56E-12	6.03E-11	7.40E-12	2.44E-11	1.68E-12	3.35E-11
6796	468873.98	3819699.16	8.4E-11	3.53E-10	3.18E-11	4.69E-10	7.00E-11	2.59E-10	2.28E-11	3.52E-10	7.93E-12	4.54E-11	5.42E-12	5.88E-11	7.21E-12	2.38E-11	1.64E-12	3.26E-11

6797	468870.46	3819690.21	8.19E-11	3.44E-10	3.10E-11	4.57E-10	6.82E-11	2.53E-10	2.22E-11	3.43E-10	7.73E-12	4.43E-11	5.28E-12	5.73E-11	7.03E-12	2.32E-11	1.60E-12	3.18E-11
6798	468866.95	3819681.26	7.98E-11	3.35E-10	3.02E-11	4.45E-10	6.65E-11	2.46E-10	2.17E-11	3.34E-10	7.53E-12	4.31E-11	5.15E-12	5.58E-11	6.85E-12	2.26E-11	1.56E-12	3.10E-11
6799	468863.43	3819672.3	7.78E-11	3.27E-10	2.94E-11	4.34E-10	6.48E-11	2.40E-10	2.11E-11	3.26E-10	7.35E-12	4.21E-11	5.02E-12	5.44E-11	6.68E-12	2.20E-11	1.52E-12	3.02E-11
6800	468859.91	3819663.35	7.59E-11	3.19E-10	2.87E-11	4.23E-10	6.32E-11	2.34E-10	2.06E-11	3.18E-10	7.17E-12	4.10E-11	4.90E-12	5.31E-11	6.52E-12	2.15E-11	1.48E-12	2.95E-11
6801	468856.4	3819654.39	7.41E-11	3.11E-10	2.80E-11	4.13E-10	6.17E-11	2.29E-10	2.01E-11	3.11E-10	7.00E-12	4.01E-11	4.78E-12	5.19E-11	6.36E-12	2.10E-11	1.45E-12	2.88E-11
6802	468852.88	3819645.44	7.23E-11	3.04E-10	2.74E-11	4.03E-10	6.02E-11	2.23E-10	1.96E-11	3.03E-10	6.83E-12	3.91E-11	4.66E-12	5.06E-11	6.21E-12	2.05E-11	1.41E-12	2.81E-11
6803	468849.36	3819636.48	7.06E-11	2.96E-10	2.67E-11	3.94E-10	5.88E-11	2.18E-10	1.92E-11	2.96E-10	6.67E-12	3.82E-11	4.55E-12	4.94E-11	6.06E-12	2.00E-11	1.38E-12	2.74E-11
6804	468845.85	3819627.53	6.89E-11	2.89E-10	2.61E-11	3.84E-10	5.74E-11	2.13E-10	1.87E-11	2.89E-10	6.51E-12	3.73E-11	4.44E-12	4.82E-11	5.92E-12	1.95E-11	1.34E-12	2.68E-11
6805	468842.33	3819618.57	6.73E-11	2.83E-10	2.54E-11	3.75E-10	5.60E-11	2.08E-10	1.83E-11	2.82E-10	6.35E-12	3.64E-11	4.34E-12	4.71E-11	5.78E-12	1.90E-11	1.31E-12	2.61E-11
6806	468838.82	3819609.62	6.58E-11	2.76E-10	2.49E-11	3.67E-10	5.48E-11	2.03E-10	1.79E-11	2.76E-10	6.21E-12	3.56E-11	4.24E-12	4.60E-11	5.65E-12	1.86E-11	1.28E-12	2.56E-11
6807	468835.3	3819600.67	6.43E-11	2.70E-10	2.43E-11	3.59E-10	5.36E-11	1.98E-10	1.75E-11	2.69E-10	6.07E-12	3.48E-11	4.15E-12	4.50E-11	5.52E-12	1.82E-11	1.25E-12	2.50E-11
6808	468831.78	3819591.71	6.29E-11	2.64E-10	2.38E-11	3.51E-10	5.24E-11	1.94E-10	1.71E-11	2.64E-10	5.94E-12	3.40E-11	4.06E-12	4.40E-11	5.40E-12	1.78E-11	1.23E-12	2.44E-11
6809	468828.27	3819582.76	6.16E-11	2.59E-10	2.33E-11	3.43E-10	5.13E-11	1.90E-10	1.67E-11	2.58E-10	5.81E-12	3.33E-11	3.97E-12	4.31E-11	5.29E-12	1.74E-11	1.20E-12	2.39E-11
6810	468824.75	3819573.8	6.03E-11	2.53E-10	2.28E-11	3.36E-10	5.02E-11	1.86E-10	1.64E-11	2.53E-10	5.69E-12	3.26E-11	3.89E-12	4.22E-11	5.17E-12	1.71E-11	1.18E-12	2.34E-11
6811	468821.23	3819564.85	5.91E-11	2.48E-10	2.23E-11	3.30E-10	4.92E-11	1.82E-10	1.60E-11	2.48E-10	5.58E-12	3.19E-11	3.81E-12	4.13E-11	5.07E-12	1.67E-11	1.15E-12	2.30E-11
6812	468817.72	3819555.89	5.37E-11	2.25E-10	2.03E-11	2.99E-10	4.47E-11	1.66E-10	1.46E-11	2.25E-10	5.07E-12	2.90E-11	3.46E-12	3.76E-11	4.61E-12	1.52E-11	1.05E-12	2.09E-11
6813	468814.2	3819546.94	5.25E-11	2.20E-10	1.99E-11	2.93E-10	4.37E-11	1.62E-10	1.43E-11	2.20E-10	4.96E-12	2.84E-11	3.39E-12	3.67E-11	4.51E-12	1.49E-11	1.02E-12	2.04E-11
6814	468810.68	3819537.98	5.15E-11	2.16E-10	1.95E-11	2.87E-10	4.29E-11	1.59E-10	1.40E-11	2.16E-10	4.86E-12	2.78E-11	3.32E-12	3.60E-11	4.42E-12	1.46E-11	1.01E-12	2.00E-11
6815	468807.17	3819529.03	5.06E-11	2.13E-10	1.92E-11	2.82E-10	4.22E-11	1.56E-10	1.37E-11	2.12E-10	4.78E-12	2.74E-11	3.27E-12	3.54E-11	4.35E-12	1.43E-11	9.88E-13	1.97E-11
6816	468803.65	3819520.07	4.99E-11	2.10E-10	1.89E-11	2.78E-10	4.16E-11	1.54E-10	1.35E-11	2.09E-10	4.71E-12	2.70E-11	3.22E-12	3.49E-11	4.28E-12	1.41E-11	9.74E-13	1.94E-11
6817	468800.13	3819511.12	4.93E-11	2.07E-10	1.86E-11	2.75E-10	4.10E-11	1.52E-10	1.34E-11	2.06E-10	4.65E-12	2.66E-11	3.18E-12	3.45E-11	4.23E-12	1.39E-11	9.61E-13	1.91E-11
6818	468796.62	3819502.17	4.87E-11	2.05E-10	1.84E-11	2.72E-10	4.06E-11	1.50E-10	1.32E-11	2.04E-10	4.60E-12	2.63E-11	3.14E-12	3.41E-11	4.18E-12	1.38E-11	9.50E-13	1.89E-11
6819	468793.1	3819493.21	4.81E-11	2.02E-10	1.82E-11	2.68E-10	4.01E-11	1.48E-10	1.31E-11	2.02E-10	4.54E-12	2.60E-11	3.10E-12	3.36E-11	4.13E-12	1.36E-11	9.38E-13	1.87E-11
6820	468789.58	3819484.26	4.75E-11	1.99E-10	1.80E-11	2.65E-10	3.95E-11	1.46E-10	1.29E-11	1.99E-10	4.48E-12	2.57E-11	3.06E-12	3.32E-11	4.08E-12	1.34E-11	9.26E-13	1.84E-11
6821	468786.07	3819475.3	4.69E-11	1.97E-10	1.77E-11	2.62E-10	3.91E-11	1.45E-10	1.27E-11	1.97E-10	4.43E-12	2.54E-11	3.03E-12	3.28E-11	4.03E-12	1.33E-11	9.15E-13	1.82E-11
6822	468782.55	3819466.35	4.64E-11	1.95E-10	1.76E-11	2.59E-10	3.87E-11	1.43E-10	1.26E-11	1.94E-10	4.38E-12	2.51E-11	2.99E-12	3.25E-11	3.98E-12	1.31E-11	9.06E-13	1.80E-11
6823	468779.03	3819457.39	4.6E-11	1.93E-10	1.74E-11	2.56E-10	3.83E-11	1.42E-10	1.25E-11	1.93E-10	4.34E-12	2.49E-11	2.97E-12	3.22E-11	3.95E-12	1.30E-11	8.97E-13	1.79E-11
6824	468775.52	3819448.44	4.56E-11	1.92E-10	1.72E-11	2.54E-10	3.80E-11	1.41E-10	1.24E-11	1.91E-10	4.31E-12	2.47E-11	2.94E-12	3.19E-11	3.92E-12	1.29E-11	8.90E-13	1.77E-11
6825	468772	3819439.48	4.52E-11	1.90E-10	1.71E-11	2.52E-10	3.76E-11	1.39E-10	1.23E-11	1.89E-10	4.27E-12	2.44E-11	2.91E-12	3.16E-11	3.88E-12	1.28E-11	8.81E-13	1.75E-11
6826	468768.49	3819430.53	4.48E-11	1.88E-10	1.69E-11	2.50E-10	3.73E-11	1.38E-10	1.22E-11	1.88E-10	4.23E-12	2.42E-11	2.89E-12	3.13E-11	3.85E-12	1.27E-11	8.74E-13	1.74E-11
6827	470086.05	3820788.27	4.96E-10	2.08E-09	1.88E-10	2.77E-09	4.13E-10	1.53E-09	1.35E-10	2.08E-09	4.69E-11	2.68E-10	3.20E-11	3.47E-10	4.26E-11	1.40E-10	9.68E-12	1.93E-10
6828	470095.74	3820788.41	4.93E-10	2.07E-09	1.86E-10	2.75E-09	4.11E-10	1.52E-09	1.34E-10	2.07E-09	4.66E-11	2.67E-10	3.18E-11	3.45E-10	4.23E-11	1.40E-10	9.62E-12	1.92E-10
6829	470105.44	3820788.54	4.9E-10	2.06E-09	1.85E-10	2.73E-09	4.08E-10	1.51E-09	1.33E-10	2.05E-09	4.62E-11	2.65E-10	3.16E-11	3.43E-10	4.20E-11	1.39E-10	9.55E-12	1.90E-10
6830	470115.14	3820788.68	4.86E-10	2.04E-09	1.84E-10	2.71E-09	4.05E-10	1.50E-09	1.32E-10	2.04E-09	4.59E-11	2.63E-10	3.14E-11	3.40E-10	4.17E-11	1.38E-10	9.49E-12	1.89E-10
6831	470124.84	3820788.81	4.83E-10	2.03E-09	1.83E-10	2.69E-09	4.02E-10	1.49E-09	1.31E-10	2.02E-09	4.56E-11	2.61E-10	3.11E-11	3.38E-10	4.14E-11	1.37E-10	9.42E-12	1.88E-10
6832	470134.53	3820788.95	4.79E-10	2.01E-09	1.81E-10	2.67E-09	3.99E-10	1.48E-09	1.30E-10	2.01E-09	4.52E-11	2.59E-10	3.09E-11	3.35E-10	4.11E-11	1.36E-10	9.35E-12	1.86E-10
6833	470144.23	3820789.08	4.75E-10	2.00E-09	1.80E-10	2.65E-09	3.96E-10	1.47E-09	1.29E-10	1.99E-09	4.49E-11	2.57E-10	3.07E-11	3.33E-10	4.08E-11	1.35E-10	9.28E-12	1.85E-10
6834	470153.93	3820789.22	4.72E-10	1.98E-09	1.78E-10	2.63E-09	3.93E-10	1.46E-09	1.28E-10	1.98E-09	4.45E-11	2.55E-10	3.04E-11	3.30E-10	4.05E-11	1.34E-10	9.20E-12	1.83E-10
6835	470163.62	3820789.35	4.68E-10	1.96E-09	1.77E-10	2.61E-09	3.90E-10	1.44E-09	1.27E-10	1.96E-09	4.42E-11	2.53E-10	3.02E-11	3.27E-10	4.02E-11	1.32E-10	9.13E-12	1.82E-10
6836	470173.32	3820789.49	4.64E-10	1.95E-09	1.75E-10	2.59E-09	3.86E-10	1.43E-09	1.26E-10	1.94E-09	4.38E-11	2.51E-10	2.99E-11	3.25E-10	3.98E-11	1.31E-10	9.05E-12	1.80E-10
6837	470183.02	3820789.62	4.6E-10	1.93E-09	1.74E-10	2.57E-09	3.83E-10	1.42E-09	1.25E-10	1.93E-09	4.34E-11	2.49E-10	2.97E-11	3.22E-10	3.95E-11	1.30E-10	8.98E-12	1.79E-10
6838	470192.72	3820789.76	4.56E-10	1.91E-09	1.72E-10	2.54E-09	3.80E-10	1.41E-09	1.24E-10	1.91E-09	4.31E-11	2.47E-10	2.94E-11	3.19E-10	3.91E-11	1.29E-10	8.90E-12	1.77E-10
6839	470202.41	3820789.89	4.52E-10	1.90E-09	1.71E-10	2.52E-09	3.77E-10	1.39E-09	1.23E-10	1.89E-09	4.27E-11	2.44E-10	2.92E-11	3.16E-10	3.88E-11	1.28E-10	8.82E-12	1.76E-10
6840	470212.11	3820790.03	4.48E-10	1.88E-09	1.69E-10	2.50E-09	3.73E-10	1.38E-09	1.22E-10	1.88E-09	4.23E-11	2.42E-10	2.89E-11	3.13E-10	3.85E-11	1.27E-10	8.74E-12	1.74E-10
6841	470221.81	3820790.16	4.44E-10	1.86E-09	1.68E-10	2.48E-09	3.70E-10	1.37E-09	1.21E-10	1.86E-09	4.19E-11	2.40E-10	2.86E-11	3.11E-10	3.81E-11	1.26E-10	8.66E-12	1.72E-10
6842	470231.51	3820790.3	4.4E-10	1.85E-09	1.66E-10	2.46E-09	3.67E-10	1.36E-09	1.19E-10	1.84E-09	4.16E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.25E-10	8.59E-12	1.71E-10
6843	470241.2	3820790.43	4.36E-10	1.83E-09	1.65E-10	2.43E-09	3.63E-10	1.35E-09	1.18E-10	1.83E-09	4.12E-11	2.36E-10	2.81E-11	3.05E-10	3.75E-11	1.23E-10	8.51E-12	1.69E-10
6844	470250.9	3820790.57	4.32E-10	1.82E-09	1.64E-10	2.41E-09	3.60E-10	1.33E-09	1.17E-10	1.81E-09	4.08E-11	2.34E-10	2.79E-11	3.03E-10	3.71E-11	1.22E-10	8.44E-12	1.68E-10
6845	470260.6	3820790.7	4.29E-10	1.80E-09	1.62E-10	2.39E-09	3.57E-10	1.32E-09	1.16E-10	1.80E-09	4.05E-11	2.32E-10	2.76E-11	3.00E-10	3.68E-11	1.21E-10	8.36E-12	1.66E-10
6846	470076.07	3820864.43	4.56E-10	1.91E-09	1.72E-10	2.54E-09	3.79E-10	1.41E-09	1.24E-10	1.91E-09	4.30E-11	2.46E-10	2.94E-11	3.19E-10	3.91E-11	1.29E-10	8.89E-12	1.77E-10

6847	470067.21	3820860.6	4.6E-10	1.93E-09	1.74E-10	2.56E-09	3.83E-10	1.42E-09	1.25E-10	1.93E-09	4.34E-11	2.49E-10	2.97E-11	3.22E-10	3.95E-11	1.30E-10	8.97E-12	1.79E-10
6848	470058.35	3820856.77	4.64E-10	1.95E-09	1.75E-10	2.59E-09	3.86E-10	1.43E-09	1.26E-10	1.94E-09	4.38E-11	2.51E-10	2.99E-11	3.25E-10	3.98E-11	1.31E-10	9.05E-12	1.80E-10
6849	470049.49	3820852.94	4.68E-10	1.97E-09	1.77E-10	2.61E-09	3.90E-10	1.44E-09	1.27E-10	1.96E-09	4.42E-11	2.53E-10	3.02E-11	3.27E-10	4.02E-11	1.32E-10	9.13E-12	1.82E-10
6850	469969.75	3820818.45	4.98E-10	2.09E-09	1.88E-10	2.78E-09	4.15E-10	1.54E-09	1.35E-10	2.09E-09	4.70E-11	2.69E-10	3.21E-11	3.48E-10	4.28E-11	1.41E-10	9.72E-12	1.93E-10
6851	469960.89	3820814.62	5E-10	2.10E-09	1.89E-10	2.79E-09	4.17E-10	1.54E-09	1.36E-10	2.10E-09	4.72E-11	2.70E-10	3.23E-11	3.50E-10	4.30E-11	1.42E-10	9.76E-12	1.94E-10
6852	469952.03	3820810.79	5.03E-10	2.11E-09	1.90E-10	2.80E-09	4.19E-10	1.55E-09	1.36E-10	2.11E-09	4.75E-11	2.72E-10	3.24E-11	3.52E-10	4.31E-11	1.42E-10	9.81E-12	1.95E-10
6853	469943.17	3820806.96	5.05E-10	2.12E-09	1.91E-10	2.81E-09	4.20E-10	1.56E-09	1.37E-10	2.11E-09	4.76E-11	2.73E-10	3.25E-11	3.53E-10	4.33E-11	1.43E-10	9.84E-12	1.96E-10
6854	469934.31	3820803.13	5.06E-10	2.13E-09	1.91E-10	2.82E-09	4.22E-10	1.56E-09	1.37E-10	2.12E-09	4.78E-11	2.74E-10	3.27E-11	3.54E-10	4.35E-11	1.43E-10	9.88E-12	1.97E-10
6855	469925.45	3820799.3	5.08E-10	2.13E-09	1.92E-10	2.83E-09	4.23E-10	1.57E-09	1.38E-10	2.13E-09	4.79E-11	2.74E-10	3.27E-11	3.55E-10	4.36E-11	1.44E-10	9.91E-12	1.97E-10
6856	469916.59	3820795.46	5.09E-10	2.14E-09	1.92E-10	2.84E-09	4.24E-10	1.57E-09	1.38E-10	2.13E-09	4.81E-11	2.75E-10	3.28E-11	3.56E-10	4.37E-11	1.44E-10	9.93E-12	1.98E-10
6857	469907.73	3820791.63	5.1E-10	2.14E-09	1.93E-10	2.84E-09	4.25E-10	1.57E-09	1.38E-10	2.14E-09	4.82E-11	2.76E-10	3.29E-11	3.57E-10	4.38E-11	1.44E-10	9.95E-12	1.98E-10
6858	469898.87	3820787.8	5.11E-10	2.15E-09	1.93E-10	2.85E-09	4.25E-10	1.58E-09	1.39E-10	2.14E-09	4.82E-11	2.76E-10	3.29E-11	3.57E-10	4.38E-11	1.45E-10	9.97E-12	1.98E-10
6859	469890.01	3820783.97	5.11E-10	2.15E-09	1.93E-10	2.85E-09	4.26E-10	1.58E-09	1.39E-10	2.14E-09	4.83E-11	2.76E-10	3.30E-11	3.58E-10	4.39E-11	1.45E-10	9.97E-12	1.99E-10
6860	469881.15	3820780.14	5.11E-10	2.15E-09	1.93E-10	2.85E-09	4.26E-10	1.58E-09	1.39E-10	2.14E-09	4.83E-11	2.76E-10	3.30E-11	3.58E-10	4.39E-11	1.45E-10	9.98E-12	1.99E-10
6861	469872.29	3820776.31	5.11E-10	2.15E-09	1.93E-10	2.85E-09	4.26E-10	1.58E-09	1.39E-10	2.14E-09	4.83E-11	2.76E-10	3.30E-11	3.58E-10	4.39E-11	1.45E-10	9.98E-12	1.99E-10
6862	469863.42	3820772.48	5.11E-10	2.15E-09	1.93E-10	2.85E-09	4.26E-10	1.58E-09	1.39E-10	2.14E-09	4.83E-11	2.76E-10	3.30E-11	3.57E-10	4.39E-11	1.45E-10	9.97E-12	1.98E-10
6863	469854.56	3820768.64	5.1E-10	2.14E-09	1.93E-10	2.85E-09	4.25E-10	1.58E-09	1.39E-10	2.14E-09	4.82E-11	2.76E-10	3.29E-11	3.57E-10	4.38E-11	1.44E-10	9.96E-12	1.98E-10
6864	469845.7	3820764.81	5.1E-10	2.14E-09	1.93E-10	2.84E-09	4.25E-10	1.57E-09	1.38E-10	2.14E-09	4.81E-11	2.76E-10	3.29E-11	3.57E-10	4.38E-11	1.44E-10	9.94E-12	1.98E-10
6865	469836.84	3820760.98	5.09E-10	2.14E-09	1.92E-10	2.84E-09	4.24E-10	1.57E-09	1.38E-10	2.13E-09	4.80E-11	2.75E-10	3.28E-11	3.56E-10	4.37E-11	1.44E-10	9.93E-12	1.98E-10
6866	469827.98	3820757.15	5.08E-10	2.13E-09	1.92E-10	2.83E-09	4.23E-10	1.57E-09	1.38E-10	2.13E-09	4.79E-11	2.74E-10	3.27E-11	3.55E-10	4.36E-11	1.44E-10	9.90E-12	1.97E-10
6867	469819.12	3820753.32	5.06E-10	2.13E-09	1.91E-10	2.82E-09	4.22E-10	1.56E-09	1.37E-10	2.12E-09	4.78E-11	2.74E-10	3.26E-11	3.54E-10	4.34E-11	1.43E-10	9.87E-12	1.97E-10
6868	469810.26	3820749.49	5.05E-10	2.12E-09	1.91E-10	2.81E-09	4.20E-10	1.56E-09	1.37E-10	2.11E-09	4.76E-11	2.73E-10	3.25E-11	3.53E-10	4.33E-11	1.43E-10	9.84E-12	1.96E-10
6869	469801.4	3820745.66	5.03E-10	2.11E-09	1.90E-10	2.80E-09	4.19E-10	1.55E-09	1.36E-10	2.11E-09	4.75E-11	2.72E-10	3.24E-11	3.52E-10	4.32E-11	1.42E-10	9.81E-12	1.95E-10
6870	469792.54	3820741.82	5.01E-10	2.10E-09	1.89E-10	2.79E-09	4.17E-10	1.55E-09	1.36E-10	2.10E-09	4.73E-11	2.71E-10	3.23E-11	3.50E-10	4.30E-11	1.42E-10	9.77E-12	1.94E-10
6871	469783.68	3820737.99	4.99E-10	2.09E-09	1.89E-10	2.78E-09	4.15E-10	1.54E-09	1.35E-10	2.09E-09	4.71E-11	2.70E-10	3.22E-11	3.49E-10	4.28E-11	1.41E-10	9.73E-12	1.94E-10
6872	469774.82	3820734.16	4.96E-10	2.08E-09	1.88E-10	2.77E-09	4.13E-10	1.53E-09	1.35E-10	2.08E-09	4.69E-11	2.68E-10	3.20E-11	3.47E-10	4.26E-11	1.40E-10	9.68E-12	1.93E-10
6873	469765.96	3820730.33	4.94E-10	2.07E-09	1.87E-10	2.75E-09	4.11E-10	1.52E-09	1.34E-10	2.07E-09	4.66E-11	2.67E-10	3.18E-11	3.45E-10	4.24E-11	1.40E-10	9.63E-12	1.92E-10
6874	469757.1	3820726.5	4.91E-10	2.06E-09	1.86E-10	2.74E-09	4.09E-10	1.51E-09	1.33E-10	2.06E-09	4.64E-11	2.65E-10	3.17E-11	3.43E-10	4.21E-11	1.39E-10	9.58E-12	1.91E-10
6875	469748.24	3820722.67	4.88E-10	2.05E-09	1.85E-10	2.72E-09	4.07E-10	1.51E-09	1.32E-10	2.05E-09	4.61E-11	2.64E-10	3.15E-11	3.41E-10	4.19E-11	1.38E-10	9.52E-12	1.90E-10
6876	469739.38	3820718.84	4.85E-10	2.04E-09	1.83E-10	2.71E-09	4.04E-10	1.50E-09	1.32E-10	2.03E-09	4.58E-11	2.62E-10	3.13E-11	3.39E-10	4.16E-11	1.37E-10	9.47E-12	1.88E-10
6877	469730.52	3820715	4.82E-10	2.02E-09	1.82E-10	2.69E-09	4.01E-10	1.49E-09	1.31E-10	2.02E-09	4.55E-11	2.61E-10	3.11E-11	3.37E-10	4.14E-11	1.36E-10	9.40E-12	1.87E-10
6878	469721.66	3820711.17	4.79E-10	2.01E-09	1.81E-10	2.67E-09	3.99E-10	1.48E-09	1.30E-10	2.01E-09	4.52E-11	2.59E-10	3.09E-11	3.35E-10	4.11E-11	1.36E-10	9.34E-12	1.86E-10
6879	469712.8	3820707.34	4.76E-10	2.00E-09	1.80E-10	2.65E-09	3.96E-10	1.47E-09	1.29E-10	1.99E-09	4.49E-11	2.57E-10	3.07E-11	3.33E-10	4.08E-11	1.35E-10	9.28E-12	1.85E-10
6880	469703.94	3820703.51	4.72E-10	1.98E-09	1.79E-10	2.63E-09	3.93E-10	1.46E-09	1.28E-10	1.98E-09	4.46E-11	2.55E-10	3.05E-11	3.30E-10	4.05E-11	1.34E-10	9.21E-12	1.83E-10
6881	469624.2	3820669.03	4.4E-10	1.85E-09	1.66E-10	2.45E-09	3.66E-10	1.36E-09	1.19E-10	1.84E-09	4.15E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.25E-10	8.58E-12	1.71E-10
6882	469615.33	3820665.2	4.36E-10	1.83E-09	1.65E-10	2.43E-09	3.63E-10	1.35E-09	1.18E-10	1.83E-09	4.12E-11	2.36E-10	2.81E-11	3.05E-10	3.75E-11	1.23E-10	8.51E-12	1.69E-10
6883	469606.47	3820661.36	4.33E-10	1.82E-09	1.64E-10	2.41E-09	3.60E-10	1.34E-09	1.17E-10	1.81E-09	4.09E-11	2.34E-10	2.79E-11	3.03E-10	3.72E-11	1.22E-10	8.44E-12	1.68E-10
6884	469597.61	3820657.53	4.29E-10	1.80E-09	1.62E-10	2.39E-09	3.57E-10	1.32E-09	1.16E-10	1.80E-09	4.05E-11	2.32E-10	2.77E-11	3.00E-10	3.68E-11	1.21E-10	8.37E-12	1.67E-10
6885	469588.75	3820653.7	4.26E-10	1.79E-09	1.61E-10	2.37E-09	3.55E-10	1.31E-09	1.16E-10	1.78E-09	4.02E-11	2.30E-10	2.75E-11	2.98E-10	3.65E-11	1.20E-10	8.31E-12	1.65E-10
6886	469579.89	3820649.87	4.22E-10	1.77E-09	1.60E-10	2.35E-09	3.52E-10	1.30E-09	1.15E-10	1.77E-09	3.99E-11	2.28E-10	2.72E-11	2.95E-10	3.62E-11	1.19E-10	8.24E-12	1.64E-10
6887	469571.03	3820646.04	4.19E-10	1.76E-09	1.58E-10	2.33E-09	3.49E-10	1.29E-09	1.14E-10	1.75E-09	3.95E-11	2.26E-10	2.70E-11	2.93E-10	3.59E-11	1.18E-10	8.17E-12	1.63E-10
6888	469562.17	3820642.21	4.15E-10	1.74E-09	1.57E-10	2.32E-09	3.46E-10	1.28E-09	1.13E-10	1.74E-09	3.92E-11	2.24E-10	2.68E-11	2.90E-10	3.56E-11	1.18E-10	8.10E-12	1.61E-10
6889	469553.31	3820638.38	4.12E-10	1.73E-09	1.56E-10	2.30E-09	3.43E-10	1.27E-09	1.12E-10	1.73E-09	3.89E-11	2.23E-10	2.66E-11	2.88E-10	3.54E-11	1.17E-10	8.04E-12	1.60E-10
6890	469544.45	3820634.54	4.09E-10	1.72E-09	1.55E-10	2.28E-09	3.40E-10	1.26E-09	1.11E-10	1.71E-09	3.86E-11	2.21E-10	2.64E-11	2.86E-10	3.51E-11	1.16E-10	7.97E-12	1.59E-10
6891	469535.59	3820630.71	4.05E-10	1.70E-09	1.53E-10	2.26E-09	3.38E-10	1.25E-09	1.10E-10	1.70E-09	3.83E-11	2.19E-10	2.61E-11	2.84E-10	3.48E-11	1.15E-10	7.91E-12	1.57E-10
6892	469526.73	3820626.88	4.02E-10	1.69E-09	1.52E-10	2.24E-09	3.35E-10	1.24E-09	1.09E-10	1.69E-09	3.80E-11	2.17E-10	2.59E-11	2.81E-10	3.45E-11	1.14E-10	7.85E-12	1.56E-10
6893	469517.87	3820623.05	3.99E-10	1.68E-09	1.51E-10	2.23E-09	3.32E-10	1.23E-09	1.08E-10	1.67E-09	3.77E-11	2.16E-10	2.57E-11	2.79E-10	3.43E-11	1.13E-10	7.79E-12	1.55E-10
6894	469509.01	3820619.22	3.96E-10	1.66E-09	1.50E-10	2.21E-09	3.30E-10	1.22E-09	1.08E-10	1.66E-09	3.74E-11	2.14E-10	2.55E-11	2.77E-10	3.40E-11	1.12E-10	7.73E-12	1.54E-10
6895	469500.15	3820615.39	3.93E-10	1.65E-09	1.49E-10	2.19E-09	3.27E-10	1.21E-09	1.07E-10	1.65E-09	3.71E-11	2.12E-10	2.54E-11	2.75E-10	3.37E-11	1.11E-10	7.67E-12	1.53E-10
6896	469491.29	3820611.56	3.9E-10	1.64E-09	1.48E-10	2.18E-09	3.25E-10	1.20E-09	1.06E-10	1.63E-09	3.68E-11	2.11E-10	2.52E-11	2.73E-10	3.35E-11	1.10E-10	7.61E-12	1.52E-10

6897	469482.43	3820607.72	3.87E-10	1.63E-09	1.46E-10	2.16E-09	3.23E-10	1.20E-09	1.05E-10	1.62E-09	3.66E-11	2.09E-10	2.50E-11	2.71E-10	3.32E-11	1.10E-10	7.56E-12	1.50E-10
6898	469473.57	3820603.89	3.85E-10	1.61E-09	1.45E-10	2.14E-09	3.20E-10	1.19E-09	1.04E-10	1.61E-09	3.63E-11	2.08E-10	2.48E-11	2.69E-10	3.30E-11	1.09E-10	7.50E-12	1.49E-10
6899	469464.71	3820600.06	3.82E-10	1.60E-09	1.44E-10	2.13E-09	3.18E-10	1.18E-09	1.04E-10	1.60E-09	3.61E-11	2.06E-10	2.46E-11	2.67E-10	3.28E-11	1.08E-10	7.45E-12	1.48E-10
6900	469455.85	3820596.23	3.79E-10	1.59E-09	1.43E-10	2.12E-09	3.16E-10	1.17E-09	1.03E-10	1.59E-09	3.58E-11	2.05E-10	2.45E-11	2.65E-10	3.26E-11	1.07E-10	7.40E-12	1.47E-10
6901	469446.99	3820592.4	3.77E-10	1.58E-09	1.42E-10	2.10E-09	3.14E-10	1.16E-09	1.02E-10	1.58E-09	3.56E-11	2.04E-10	2.43E-11	2.64E-10	3.23E-11	1.07E-10	7.35E-12	1.46E-10
6902	469438.13	3820588.57	3.74E-10	1.57E-09	1.42E-10	2.09E-09	3.12E-10	1.15E-09	1.02E-10	1.57E-09	3.53E-11	2.02E-10	2.41E-11	2.62E-10	3.21E-11	1.06E-10	7.30E-12	1.45E-10
6903	469429.27	3820584.73	3.72E-10	1.56E-09	1.41E-10	2.07E-09	3.10E-10	1.15E-09	1.01E-10	1.56E-09	3.51E-11	2.01E-10	2.40E-11	2.60E-10	3.19E-11	1.05E-10	7.25E-12	1.44E-10
6904	469420.41	3820580.9	3.69E-10	1.55E-09	1.40E-10	2.06E-09	3.08E-10	1.14E-09	1.00E-10	1.55E-09	3.49E-11	2.00E-10	2.38E-11	2.58E-10	3.17E-11	1.05E-10	7.21E-12	1.43E-10
6905	469411.55	3820577.07	3.67E-10	1.54E-09	1.39E-10	2.05E-09	3.06E-10	1.13E-09	9.96E-11	1.54E-09	3.47E-11	1.98E-10	2.37E-11	2.57E-10	3.15E-11	1.04E-10	7.16E-12	1.43E-10
6906	469402.69	3820573.24	3.65E-10	1.53E-09	1.38E-10	2.03E-09	3.04E-10	1.13E-09	9.90E-11	1.53E-09	3.44E-11	1.97E-10	2.35E-11	2.55E-10	3.13E-11	1.03E-10	7.12E-12	1.42E-10
6907	469393.83	3820569.41	3.62E-10	1.52E-09	1.37E-10	2.02E-09	3.02E-10	1.12E-09	9.84E-11	1.52E-09	3.42E-11	1.96E-10	2.34E-11	2.54E-10	3.11E-11	1.03E-10	7.07E-12	1.41E-10
6908	469384.97	3820565.58	3.6E-10	1.51E-09	1.36E-10	2.01E-09	3.00E-10	1.11E-09	9.78E-11	1.51E-09	3.40E-11	1.95E-10	2.32E-11	2.52E-10	3.09E-11	1.02E-10	7.03E-12	1.40E-10
6909	469376.11	3820561.75	3.58E-10	1.50E-09	1.35E-10	2.00E-09	2.98E-10	1.10E-09	9.72E-11	1.50E-09	3.38E-11	1.93E-10	2.31E-11	2.50E-10	3.07E-11	1.01E-10	6.98E-12	1.39E-10
6910	469367.25	3820557.91	3.56E-10	1.49E-09	1.35E-10	1.98E-09	2.96E-10	1.10E-09	9.65E-11	1.49E-09	3.36E-11	1.92E-10	2.29E-11	2.49E-10	3.05E-11	1.01E-10	6.94E-12	1.38E-10
6911	469358.38	3820554.08	3.53E-10	1.48E-09	1.34E-10	1.97E-09	2.94E-10	1.09E-09	9.59E-11	1.48E-09	3.34E-11	1.91E-10	2.28E-11	2.47E-10	3.03E-11	1.00E-10	6.90E-12	1.37E-10
6912	469349.52	3820550.25	3.51E-10	1.48E-09	1.33E-10	1.96E-09	2.93E-10	1.08E-09	9.53E-11	1.47E-09	3.32E-11	1.90E-10	2.27E-11	2.46E-10	3.02E-11	9.94E-11	6.85E-12	1.36E-10
6913	469340.66	3820546.42	3.49E-10	1.47E-09	1.32E-10	1.95E-09	2.91E-10	1.08E-09	9.48E-11	1.46E-09	3.30E-11	1.89E-10	2.25E-11	2.44E-10	3.00E-11	9.88E-11	6.81E-12	1.36E-10
6914	469331.8	3820542.59	3.47E-10	1.46E-09	1.31E-10	1.93E-09	2.89E-10	1.07E-09	9.42E-11	1.45E-09	3.28E-11	1.88E-10	2.24E-11	2.43E-10	2.98E-11	9.82E-11	6.77E-12	1.35E-10
6915	469296.36	3820527.26	3.38E-10	1.42E-09	1.28E-10	1.89E-09	2.82E-10	1.04E-09	9.18E-11	1.42E-09	3.19E-11	1.83E-10	2.18E-11	2.37E-10	2.90E-11	9.57E-11	6.60E-12	1.31E-10
6916	469287.5	3820523.43	3.36E-10	1.41E-09	1.27E-10	1.87E-09	2.80E-10	1.04E-09	9.12E-11	1.41E-09	3.17E-11	1.82E-10	2.17E-11	2.35E-10	2.88E-11	9.51E-11	6.56E-12	1.31E-10
6917	469278.64	3820519.6	3.34E-10	1.40E-09	1.26E-10	1.86E-09	2.78E-10	1.03E-09	9.06E-11	1.40E-09	3.15E-11	1.80E-10	2.15E-11	2.33E-10	2.87E-11	9.45E-11	6.51E-12	1.30E-10
6918	469269.78	3820515.77	3.32E-10	1.39E-09	1.25E-10	1.85E-09	2.76E-10	1.02E-09	9.00E-11	1.39E-09	3.13E-11	1.79E-10	2.14E-11	2.32E-10	2.85E-11	9.38E-11	6.47E-12	1.29E-10
6919	469260.92	3820511.94	3.29E-10	1.38E-09	1.24E-10	1.84E-09	2.74E-10	1.02E-09	8.94E-11	1.38E-09	3.11E-11	1.78E-10	2.12E-11	2.30E-10	2.83E-11	9.32E-11	6.42E-12	1.28E-10
6920	469252.06	3820508.11	3.27E-10	1.37E-09	1.24E-10	1.82E-09	2.72E-10	1.01E-09	8.87E-11	1.37E-09	3.09E-11	1.77E-10	2.11E-11	2.29E-10	2.81E-11	9.25E-11	6.38E-12	1.27E-10
6921	469243.2	3820504.27	3.24E-10	1.36E-09	1.23E-10	1.81E-09	2.70E-10	1.00E-09	8.81E-11	1.36E-09	3.06E-11	1.75E-10	2.09E-11	2.27E-10	2.79E-11	9.18E-11	6.33E-12	1.26E-10
6922	469234.34	3820500.44	3.22E-10	1.35E-09	1.22E-10	1.80E-09	2.68E-10	9.94E-10	8.74E-11	1.35E-09	3.04E-11	1.74E-10	2.08E-11	2.25E-10	2.76E-11	9.12E-11	6.28E-12	1.25E-10
6923	469225.48	3820496.61	3.2E-10	1.34E-09	1.21E-10	1.78E-09	2.66E-10	9.86E-10	8.68E-11	1.34E-09	3.02E-11	1.73E-10	2.06E-11	2.24E-10	2.74E-11	9.05E-11	6.24E-12	1.24E-10
6924	469216.62	3820492.78	3.17E-10	1.33E-09	1.20E-10	1.77E-09	2.64E-10	9.79E-10	8.61E-11	1.33E-09	2.99E-11	1.71E-10	2.05E-11	2.22E-10	2.72E-11	8.98E-11	6.19E-12	1.23E-10
6925	469207.76	3820488.95	3.15E-10	1.32E-09	1.19E-10	1.75E-09	2.62E-10	9.71E-10	8.54E-11	1.32E-09	2.97E-11	1.70E-10	2.03E-11	2.20E-10	2.70E-11	8.91E-11	6.14E-12	1.22E-10
6926	469198.9	3820485.12	3.12E-10	1.31E-09	1.18E-10	1.74E-09	2.60E-10	9.63E-10	8.47E-11	1.31E-09	2.95E-11	1.69E-10	2.01E-11	2.18E-10	2.68E-11	8.83E-11	6.09E-12	1.21E-10
6927	469190.04	3820481.29	3.1E-10	1.30E-09	1.17E-10	1.73E-09	2.58E-10	9.55E-10	8.40E-11	1.30E-09	2.92E-11	1.67E-10	2.00E-11	2.17E-10	2.66E-11	8.76E-11	6.04E-12	1.20E-10
6928	469181.18	3820477.45	3.07E-10	1.29E-09	1.16E-10	1.71E-09	2.56E-10	9.47E-10	8.33E-11	1.29E-09	2.90E-11	1.66E-10	1.98E-11	2.15E-10	2.63E-11	8.69E-11	5.99E-12	1.19E-10
6929	469172.32	3820473.62	3.04E-10	1.28E-09	1.15E-10	1.70E-09	2.53E-10	9.39E-10	8.26E-11	1.27E-09	2.87E-11	1.64E-10	1.96E-11	2.13E-10	2.61E-11	8.61E-11	5.94E-12	1.18E-10
6930	469163.46	3820469.79	3.02E-10	1.27E-09	1.14E-10	1.68E-09	2.51E-10	9.31E-10	8.19E-11	1.26E-09	2.85E-11	1.63E-10	1.95E-11	2.11E-10	2.59E-11	8.54E-11	5.88E-12	1.17E-10
6931	469154.6	3820465.96	2.99E-10	1.26E-09	1.13E-10	1.67E-09	2.49E-10	9.22E-10	8.11E-11	1.25E-09	2.82E-11	1.62E-10	1.93E-11	2.09E-10	2.57E-11	8.46E-11	5.83E-12	1.16E-10
6932	469145.74	3820462.13	2.96E-10	1.24E-09	1.12E-10	1.65E-09	2.47E-10	9.14E-10	8.04E-11	1.24E-09	2.80E-11	1.60E-10	1.91E-11	2.07E-10	2.54E-11	8.38E-11	5.78E-12	1.15E-10
6933	469136.88	3820458.3	2.93E-10	1.23E-09	1.11E-10	1.64E-09	2.44E-10	9.05E-10	7.96E-11	1.23E-09	2.77E-11	1.59E-10	1.89E-11	2.05E-10	2.52E-11	8.30E-11	5.72E-12	1.14E-10
6934	469128.02	3820454.47	2.9E-10	1.22E-09	1.10E-10	1.62E-09	2.42E-10	8.96E-10	7.88E-11	1.22E-09	2.74E-11	1.57E-10	1.87E-11	2.03E-10	2.49E-11	8.22E-11	5.67E-12	1.13E-10
6935	469119.16	3820450.63	2.87E-10	1.21E-09	1.09E-10	1.60E-09	2.39E-10	8.87E-10	7.80E-11	1.20E-09	2.71E-11	1.55E-10	1.85E-11	2.01E-10	2.47E-11	8.14E-11	5.61E-12	1.12E-10
6936	469110.3	3820446.8	2.85E-10	1.19E-09	1.08E-10	1.59E-09	2.37E-10	8.78E-10	7.72E-11	1.19E-09	2.69E-11	1.54E-10	1.84E-11	1.99E-10	2.44E-11	8.05E-11	5.55E-12	1.11E-10
6937	469101.43	3820442.97	2.81E-10	1.18E-09	1.06E-10	1.57E-09	2.34E-10	8.69E-10	7.64E-11	1.18E-09	2.66E-11	1.52E-10	1.82E-11	1.97E-10	2.42E-11	7.97E-11	5.49E-12	1.09E-10
6938	469092.57	3820439.14	2.78E-10	1.17E-09	1.05E-10	1.55E-09	2.32E-10	8.59E-10	7.56E-11	1.17E-09	2.63E-11	1.50E-10	1.80E-11	1.95E-10	2.39E-11	7.88E-11	5.43E-12	1.08E-10
6939	469080.19	3820426.32	2.74E-10	1.15E-09	1.04E-10	1.53E-09	2.29E-10	8.47E-10	7.45E-11	1.15E-09	2.59E-11	1.48E-10	1.77E-11	1.92E-10	2.36E-11	7.77E-11	5.36E-12	1.07E-10
6940	469076.66	3820417.34	2.74E-10	1.15E-09	1.03E-10	1.53E-09	2.28E-10	8.44E-10	7.42E-11	1.15E-09	2.58E-11	1.48E-10	1.76E-11	1.91E-10	2.35E-11	7.74E-11	5.34E-12	1.06E-10
6941	469073.13	3820408.35	2.72E-10	1.14E-09	1.03E-10	1.52E-09	2.27E-10	8.41E-10	7.40E-11	1.14E-09	2.57E-11	1.47E-10	1.76E-11	1.91E-10	2.34E-11	7.71E-11	5.32E-12	1.06E-10
6942	469069.6	3820399.37	2.71E-10	1.14E-09	1.03E-10	1.51E-09	2.26E-10	8.37E-10	7.37E-11	1.14E-09	2.56E-11	1.47E-10	1.75E-11	1.90E-10	2.33E-11	7.68E-11	5.29E-12	1.05E-10
6943	469066.07	3820390.38	2.7E-10	1.13E-09	1.02E-10	1.51E-09	2.25E-10	8.34E-10	7.33E-11	1.13E-09	2.55E-11	1.46E-10	1.74E-11	1.89E-10	2.32E-11	7.65E-11	5.27E-12	1.05E-10
6944	469062.54	3820381.4	2.69E-10	1.13E-09	1.02E-10	1.50E-09	2.24E-10	8.30E-10	7.30E-11	1.13E-09	2.54E-11	1.45E-10	1.73E-11	1.88E-10	2.31E-11	7.61E-11	5.25E-12	1.04E-10
6945	469059.01	3820372.41	2.68E-10	1.12E-09	1.01E-10	1.49E-09	2.23E-10	8.26E-10	7.26E-11	1.12E-09	2.53E-11	1.45E-10	1.73E-11	1.87E-10	2.30E-11	7.57E-11	5.22E-12	1.04E-10
6946	469055.49	3820363.43	2.66E-10	1.12E-09	1.01E-10	1.48E-09	2.22E-10	8.21E-10	7.22E-11	1.12E-09	2.51E-11	1.44E-10	1.72E-11	1.86E-10	2.28E-11	7.53E-11	5.19E-12	1.03E-10

6947	469051.96	3820354.44	2.65E-10	1.11E-09	1.00E-10	1.48E-09	2.20E-10	8.17E-10	7.18E-11	1.11E-09	2.50E-11	1.43E-10	1.71E-11	1.85E-10	2.27E-11	7.49E-11	5.16E-12	1.03E-10
6948	469048.43	3820345.46	2.63E-10	1.10E-09	9.95E-11	1.47E-09	2.19E-10	8.12E-10	7.14E-11	1.10E-09	2.48E-11	1.42E-10	1.70E-11	1.84E-10	2.26E-11	7.45E-11	5.13E-12	1.02E-10
6949	469044.9	3820336.47	2.61E-10	1.10E-09	9.89E-11	1.46E-09	2.18E-10	8.07E-10	7.10E-11	1.10E-09	2.47E-11	1.41E-10	1.69E-11	1.83E-10	2.24E-11	7.40E-11	5.10E-12	1.02E-10
6950	469041.37	3820327.49	2.6E-10	1.09E-09	9.82E-11	1.45E-09	2.16E-10	8.01E-10	7.05E-11	1.09E-09	2.45E-11	1.40E-10	1.67E-11	1.82E-10	2.23E-11	7.35E-11	5.07E-12	1.01E-10
6951	469037.84	3820318.5	2.58E-10	1.08E-09	9.75E-11	1.44E-09	2.15E-10	7.96E-10	7.00E-11	1.08E-09	2.43E-11	1.39E-10	1.66E-11	1.80E-10	2.21E-11	7.30E-11	5.03E-12	1.00E-10
6952	469034.31	3820309.51	2.56E-10	1.07E-09	9.68E-11	1.43E-09	2.13E-10	7.90E-10	6.95E-11	1.07E-09	2.42E-11	1.38E-10	1.65E-11	1.79E-10	2.20E-11	7.24E-11	4.99E-12	9.94E-11
6953	469030.79	3820300.53	2.54E-10	1.07E-09	9.60E-11	1.42E-09	2.11E-10	7.83E-10	6.89E-11	1.06E-09	2.40E-11	1.37E-10	1.64E-11	1.78E-10	2.18E-11	7.19E-11	4.95E-12	9.86E-11
6954	469027.26	3820291.54	2.52E-10	1.06E-09	9.52E-11	1.40E-09	2.10E-10	7.77E-10	6.84E-11	1.06E-09	2.38E-11	1.36E-10	1.62E-11	1.76E-10	2.16E-11	7.13E-11	4.91E-12	9.78E-11
6955	469023.73	3820282.56	2.5E-10	1.05E-09	9.44E-11	1.39E-09	2.08E-10	7.71E-10	6.78E-11	1.05E-09	2.36E-11	1.35E-10	1.61E-11	1.75E-10	2.14E-11	7.07E-11	4.87E-12	9.70E-11
6956	469020.2	3820273.57	2.47E-10	1.04E-09	9.36E-11	1.38E-09	2.06E-10	7.64E-10	6.72E-11	1.04E-09	2.34E-11	1.34E-10	1.60E-11	1.73E-10	2.12E-11	7.01E-11	4.83E-12	9.61E-11
6957	469016.67	3820264.59	2.45E-10	1.03E-09	9.27E-11	1.37E-09	2.04E-10	7.57E-10	6.66E-11	1.03E-09	2.32E-11	1.33E-10	1.58E-11	1.72E-10	2.11E-11	6.94E-11	4.79E-12	9.53E-11
6958	469013.14	3820255.6	2.43E-10	1.02E-09	9.19E-11	1.36E-09	2.02E-10	7.50E-10	6.59E-11	1.02E-09	2.29E-11	1.31E-10	1.57E-11	1.70E-10	2.09E-11	6.88E-11	4.74E-12	9.44E-11
6959	469009.61	3820246.62	2.41E-10	1.01E-09	9.10E-11	1.34E-09	2.00E-10	7.42E-10	6.53E-11	1.01E-09	2.27E-11	1.30E-10	1.55E-11	1.68E-10	2.06E-11	6.81E-11	4.69E-12	9.34E-11
6960	469006.09	3820237.63	2.38E-10	1.00E-09	9.00E-11	1.33E-09	1.98E-10	7.35E-10	6.46E-11	9.97E-10	2.25E-11	1.29E-10	1.54E-11	1.67E-10	2.04E-11	6.74E-11	4.64E-12	9.25E-11
6961	469002.56	3820228.65	2.36E-10	9.89E-10	8.91E-11	1.31E-09	1.96E-10	7.27E-10	6.39E-11	9.87E-10	2.22E-11	1.27E-10	1.52E-11	1.65E-10	2.02E-11	6.67E-11	4.60E-12	9.15E-11
6962	468999.03	3820219.66	2.33E-10	9.78E-10	8.81E-11	1.30E-09	1.94E-10	7.19E-10	6.32E-11	9.76E-10	2.20E-11	1.26E-10	1.50E-11	1.63E-10	2.00E-11	6.59E-11	4.55E-12	9.05E-11
6963	468995.5	3820210.68	2.3E-10	9.67E-10	8.71E-11	1.28E-09	1.92E-10	7.11E-10	6.25E-11	9.65E-10	2.18E-11	1.25E-10	1.49E-11	1.61E-10	1.98E-11	6.52E-11	4.49E-12	8.95E-11
6964	468991.97	3820201.69	2.28E-10	9.56E-10	8.61E-11	1.27E-09	1.90E-10	7.03E-10	6.18E-11	9.54E-10	2.15E-11	1.23E-10	1.47E-11	1.59E-10	1.95E-11	6.44E-11	4.44E-12	8.84E-11
6965	468988.44	3820192.71	2.25E-10	9.45E-10	8.51E-11	1.25E-09	1.87E-10	6.94E-10	6.11E-11	9.42E-10	2.12E-11	1.22E-10	1.45E-11	1.57E-10	1.93E-11	6.37E-11	4.39E-12	8.74E-11
6966	468984.91	3820183.72	2.22E-10	9.33E-10	8.40E-11	1.24E-09	1.85E-10	6.85E-10	6.03E-11	9.31E-10	2.10E-11	1.20E-10	1.43E-11	1.55E-10	1.91E-11	6.29E-11	4.33E-12	8.63E-11
6967	468981.39	3820174.74	2.19E-10	9.21E-10	8.29E-11	1.22E-09	1.83E-10	6.77E-10	5.95E-11	9.19E-10	2.07E-11	1.19E-10	1.41E-11	1.53E-10	1.88E-11	6.21E-11	4.28E-12	8.52E-11
6968	468977.86	3820165.75	2.16E-10	9.09E-10	8.18E-11	1.21E-09	1.80E-10	6.68E-10	5.87E-11	9.07E-10	2.04E-11	1.17E-10	1.40E-11	1.51E-10	1.86E-11	6.13E-11	4.22E-12	8.41E-11
6969	468974.33	3820156.77	2.13E-10	8.97E-10	8.07E-11	1.19E-09	1.78E-10	6.59E-10	5.80E-11	8.95E-10	2.02E-11	1.15E-10	1.38E-11	1.49E-10	1.83E-11	6.04E-11	4.17E-12	8.29E-11
6970	468970.8	3820147.78	2.11E-10	8.84E-10	7.96E-11	1.17E-09	1.75E-10	6.50E-10	5.71E-11	8.82E-10	1.99E-11	1.14E-10	1.36E-11	1.47E-10	1.81E-11	5.96E-11	4.11E-12	8.18E-11
6971	468967.27	3820138.79	2.08E-10	8.72E-10	7.85E-11	1.16E-09	1.73E-10	6.40E-10	5.63E-11	8.70E-10	1.96E-11	1.12E-10	1.34E-11	1.45E-10	1.78E-11	5.87E-11	4.05E-12	8.06E-11
6972	468963.74	3820129.81	2.04E-10	8.59E-10	7.73E-11	1.14E-09	1.70E-10	6.31E-10	5.55E-11	8.57E-10	1.93E-11	1.11E-10	1.32E-11	1.43E-10	1.76E-11	5.79E-11	3.99E-12	7.94E-11
6973	468960.21	3820120.82	2.01E-10	8.46E-10	7.62E-11	1.12E-09	1.68E-10	6.22E-10	5.47E-11	8.44E-10	1.90E-11	1.09E-10	1.30E-11	1.41E-10	1.73E-11	5.70E-11	3.93E-12	7.82E-11
6974	468956.69	3820111.84	1.98E-10	8.33E-10	7.50E-11	1.11E-09	1.65E-10	6.12E-10	5.38E-11	8.31E-10	1.87E-11	1.07E-10	1.28E-11	1.39E-10	1.70E-11	5.61E-11	3.87E-12	7.70E-11
6975	468953.16	3820102.85	1.95E-10	8.19E-10	7.38E-11	1.09E-09	1.63E-10	6.02E-10	5.30E-11	8.18E-10	1.84E-11	1.05E-10	1.26E-11	1.36E-10	1.67E-11	5.52E-11	3.81E-12	7.58E-11
6976	468949.63	3820093.87	1.92E-10	8.06E-10	7.26E-11	1.07E-09	1.60E-10	5.92E-10	5.21E-11	8.04E-10	1.81E-11	1.04E-10	1.24E-11	1.34E-10	1.65E-11	5.43E-11	3.75E-12	7.45E-11
6977	468946.1	3820084.88	1.89E-10	7.93E-10	7.14E-11	1.05E-09	1.57E-10	5.82E-10	5.12E-11	7.91E-10	1.78E-11	1.02E-10	1.22E-11	1.32E-10	1.62E-11	5.34E-11	3.68E-12	7.33E-11
6978	468942.57	3820075.9	1.86E-10	7.79E-10	7.02E-11	1.04E-09	1.55E-10	5.73E-10	5.04E-11	7.78E-10	1.75E-11	1.00E-10	1.20E-11	1.30E-10	1.59E-11	5.25E-11	3.62E-12	7.21E-11
6979	468939.04	3820066.91	1.82E-10	7.66E-10	6.90E-11	1.02E-09	1.52E-10	5.63E-10	4.95E-11	7.64E-10	1.72E-11	9.86E-11	1.18E-11	1.28E-10	1.57E-11	5.16E-11	3.56E-12	7.09E-11
6980	468935.51	3820057.93	1.79E-10	7.53E-10	6.78E-11	1.00E-09	1.49E-10	5.53E-10	4.87E-11	7.51E-10	1.69E-11	9.69E-11	1.16E-11	1.25E-10	1.54E-11	5.07E-11	3.50E-12	6.96E-11
6981	468914.34	3820004.02	1.6E-10	6.72E-10	6.05E-11	8.92E-10	1.33E-10	4.94E-10	4.34E-11	6.70E-10	1.51E-11	8.65E-11	1.03E-11	1.12E-10	1.37E-11	4.53E-11	3.12E-12	6.21E-11
6982	468910.81	3819995.03	1.57E-10	6.58E-10	5.93E-11	8.74E-10	1.31E-10	4.84E-10	4.25E-11	6.57E-10	1.48E-11	8.47E-11	1.01E-11	1.10E-10	1.35E-11	4.44E-11	3.06E-12	6.09E-11
6983	468907.29	3819986.05	1.53E-10	6.44E-10	5.80E-11	8.56E-10	1.28E-10	4.73E-10	4.16E-11	6.43E-10	1.45E-11	8.29E-11	9.89E-12	1.07E-10	1.32E-11	4.34E-11	2.99E-12	5.96E-11
6984	468903.76	3819977.06	1.5E-10	6.31E-10	5.68E-11	8.38E-10	1.25E-10	4.63E-10	4.08E-11	6.29E-10	1.42E-11	8.12E-11	9.69E-12	1.05E-10	1.29E-11	4.25E-11	2.93E-12	5.83E-11
6985	468900.23	3819968.07	1.47E-10	6.17E-10	5.56E-11	8.20E-10	1.22E-10	4.54E-10	3.99E-11	6.16E-10	1.39E-11	7.95E-11	9.48E-12	1.03E-10	1.26E-11	4.16E-11	2.87E-12	5.71E-11
6986	468896.7	3819959.09	1.44E-10	6.04E-10	5.44E-11	8.03E-10	1.20E-10	4.44E-10	3.91E-11	6.03E-10	1.36E-11	7.78E-11	9.28E-12	1.01E-10	1.24E-11	4.07E-11	2.81E-12	5.59E-11
6987	468893.17	3819950.1	1.41E-10	5.91E-10	5.32E-11	7.85E-10	1.17E-10	4.34E-10	3.82E-11	5.90E-10	1.33E-11	7.61E-11	9.08E-12	9.85E-11	1.21E-11	3.99E-11	2.75E-12	5.47E-11
6988	468889.64	3819941.12	1.38E-10	5.78E-10	5.21E-11	7.68E-10	1.15E-10	4.25E-10	3.74E-11	5.77E-10	1.30E-11	7.45E-11	8.88E-12	9.64E-11	1.18E-11	3.90E-11	2.69E-12	5.35E-11
6989	468886.11	3819932.13	1.35E-10	5.66E-10	5.09E-11	7.51E-10	1.12E-10	4.16E-10	3.66E-11	5.64E-10	1.27E-11	7.28E-11	8.69E-12	9.42E-11	1.16E-11	3.81E-11	2.63E-12	5.23E-11
6990	468882.59	3819923.15	1.32E-10	5.53E-10	4.98E-11	7.35E-10	1.10E-10	4.06E-10	3.58E-11	5.52E-10	1.24E-11	7.12E-11	8.50E-12	9.21E-11	1.13E-11	3.73E-11	2.57E-12	5.12E-11
6991	468879.06	3819914.16	1.29E-10	5.41E-10	4.87E-11	7.18E-10	1.07E-10	3.97E-10	3.49E-11	5.39E-10	1.22E-11	6.96E-11	8.30E-12	9.01E-11	1.11E-11	3.64E-11	2.51E-12	5.00E-11
6992	468875.53	3819905.18	1.26E-10	5.28E-10	4.76E-11	7.02E-10	1.05E-10	3.88E-10	3.42E-11	5.27E-10	1.19E-11	6.80E-11	8.12E-12	8.80E-11	1.08E-11	3.56E-11	2.46E-12	4.89E-11
6993	468872	3819896.19	1.23E-10	5.16E-10	4.65E-11	6.85E-10	1.02E-10	3.79E-10	3.34E-11	5.15E-10	1.16E-11	6.64E-11	7.93E-12	8.60E-11	1.06E-11	3.48E-11	2.40E-12	4.77E-11
6994	468868.47	3819887.21	1.2E-10	5.04E-10	4.54E-11	6.70E-10	1.00E-10	3.70E-10	3.26E-11	5.03E-10	1.13E-11	6.49E-11	7.74E-12	8.40E-11	1.03E-11	3.40E-11	2.34E-12	4.66E-11
6995	468864.94	3819878.22	1.17E-10	4.92E-10	4.43E-11	6.54E-10	9.77E-11	3.62E-10	3.18E-11	4.91E-10	1.11E-11	6.34E-11	7.56E-12	8.20E-11	1.01E-11	3.32E-11	2.29E-12	4.55E-11
6996	468861.41	3819869.24	1.14E-10	4.81E-10	4.33E-11	6.38E-10	9.53E-11	3.53E-10	3.11E-11	4.80E-10	1.08E-11	6.19E-11	7.38E-12	8.01E-11	9.83E-12	3.24E-11	2.23E-12	4.45E-11

6997	468857.88	3819860.25	1.12E-10	4.69E-10	4.22E-11	6.23E-10	9.30E-11	3.45E-10	3.03E-11	4.68E-10	1.05E-11	6.04E-11	7.21E-12	7.81E-11	9.59E-12	3.16E-11	2.18E-12	4.34E-11
6998	468854.36	3819851.27	1.09E-10	4.58E-10	4.12E-11	6.08E-10	9.08E-11	3.36E-10	2.96E-11	4.57E-10	1.03E-11	5.89E-11	7.03E-12	7.63E-11	9.36E-12	3.09E-11	2.13E-12	4.24E-11
6999	468850.83	3819842.28	1.06E-10	4.46E-10	4.02E-11	5.93E-10	8.86E-11	3.28E-10	2.89E-11	4.45E-10	1.00E-11	5.75E-11	6.86E-12	7.44E-11	9.13E-12	3.01E-11	2.07E-12	4.13E-11
7000	468847.3	3819833.3	1.04E-10	4.35E-10	3.92E-11	5.78E-10	8.63E-11	3.20E-10	2.81E-11	4.34E-10	9.79E-12	5.60E-11	6.68E-12	7.25E-11	8.90E-12	2.93E-11	2.02E-12	4.03E-11
7001	468843.77	3819824.31	1.01E-10	4.25E-10	3.82E-11	5.64E-10	8.42E-11	3.12E-10	2.74E-11	4.24E-10	9.55E-12	5.46E-11	6.52E-12	7.07E-11	8.68E-12	2.86E-11	1.97E-12	3.93E-11
7002	468840.24	3819815.33	9.86E-11	4.14E-10	3.73E-11	5.50E-10	8.21E-11	3.04E-10	2.68E-11	4.13E-10	9.31E-12	5.33E-11	6.36E-12	6.90E-11	8.46E-12	2.79E-11	1.92E-12	3.83E-11
7003	468836.71	3819806.34	9.62E-11	4.04E-10	3.64E-11	5.36E-10	8.01E-11	2.97E-10	2.61E-11	4.03E-10	9.08E-12	5.20E-11	6.20E-12	6.73E-11	8.26E-12	2.72E-11	1.88E-12	3.74E-11
7004	468833.18	3819797.35	9.38E-11	3.94E-10	3.55E-11	5.23E-10	7.81E-11	2.90E-10	2.55E-11	3.93E-10	8.86E-12	5.07E-11	6.05E-12	6.56E-11	8.05E-12	2.66E-11	1.83E-12	3.64E-11
7005	468829.66	3819788.37	9.15E-11	3.84E-10	3.46E-11	5.10E-10	7.62E-11	2.82E-10	2.48E-11	3.83E-10	8.64E-12	4.95E-11	5.90E-12	6.40E-11	7.86E-12	2.59E-11	1.79E-12	3.55E-11
7006	468826.13	3819779.38	8.93E-11	3.75E-10	3.38E-11	4.98E-10	7.44E-11	2.76E-10	2.42E-11	3.74E-10	8.43E-12	4.83E-11	5.76E-12	6.25E-11	7.66E-12	2.53E-11	1.74E-12	3.47E-11
7007	468822.6	3819770.4	8.71E-11	3.66E-10	3.29E-11	4.86E-10	7.26E-11	2.69E-10	2.36E-11	3.65E-10	8.23E-12	4.71E-11	5.62E-12	6.09E-11	7.48E-12	2.47E-11	1.70E-12	3.38E-11
7008	468819.07	3819761.41	8.49E-11	3.57E-10	3.21E-11	4.74E-10	7.07E-11	2.62E-10	2.31E-11	3.56E-10	8.02E-12	4.59E-11	5.48E-12	5.94E-11	7.29E-12	2.40E-11	1.66E-12	3.30E-11
7009	468815.54	3819752.43	8.28E-11	3.48E-10	3.13E-11	4.62E-10	6.90E-11	2.56E-10	2.25E-11	3.47E-10	7.82E-12	4.48E-11	5.34E-12	5.79E-11	7.11E-12	2.34E-11	1.62E-12	3.22E-11
7010	468812.01	3819743.44	8.08E-11	3.39E-10	3.05E-11	4.51E-10	6.73E-11	2.49E-10	2.19E-11	3.38E-10	7.63E-12	4.37E-11	5.21E-12	5.65E-11	6.93E-12	2.29E-11	1.58E-12	3.14E-11
7011	468808.48	3819734.46	7.88E-11	3.31E-10	2.98E-11	4.39E-10	6.56E-11	2.43E-10	2.14E-11	3.30E-10	7.44E-12	4.26E-11	5.08E-12	5.51E-11	6.76E-12	2.23E-11	1.54E-12	3.06E-11
7012	468804.96	3819725.47	7.69E-11	3.23E-10	2.91E-11	4.29E-10	6.40E-11	2.37E-10	2.09E-11	3.22E-10	7.26E-12	4.15E-11	4.96E-12	5.38E-11	6.60E-12	2.18E-11	1.50E-12	2.99E-11
7013	468801.43	3819716.49	7.5E-11	3.15E-10	2.84E-11	4.18E-10	6.25E-11	2.31E-10	2.04E-11	3.14E-10	7.08E-12	4.05E-11	4.84E-12	5.25E-11	6.44E-12	2.12E-11	1.46E-12	2.91E-11
7014	468797.9	3819707.5	7.32E-11	3.07E-10	2.77E-11	4.08E-10	6.10E-11	2.26E-10	1.99E-11	3.07E-10	6.91E-12	3.96E-11	4.72E-12	5.12E-11	6.28E-12	2.07E-11	1.43E-12	2.84E-11
7015	468794.37	3819698.52	7.15E-11	3.00E-10	2.70E-11	3.99E-10	5.95E-11	2.20E-10	1.94E-11	2.99E-10	6.75E-12	3.86E-11	4.61E-12	5.00E-11	6.13E-12	2.02E-11	1.39E-12	2.78E-11
7016	468790.84	3819689.53	6.98E-11	2.93E-10	2.64E-11	3.89E-10	5.81E-11	2.15E-10	1.89E-11	2.92E-10	6.59E-12	3.77E-11	4.50E-12	4.88E-11	5.99E-12	1.98E-11	1.36E-12	2.71E-11
7017	468787.31	3819680.55	6.81E-11	2.86E-10	2.58E-11	3.80E-10	5.67E-11	2.10E-10	1.85E-11	2.85E-10	6.43E-12	3.68E-11	4.39E-12	4.76E-11	5.85E-12	1.93E-11	1.33E-12	2.65E-11
7018	468783.78	3819671.56	6.65E-11	2.79E-10	2.52E-11	3.71E-10	5.54E-11	2.05E-10	1.81E-11	2.79E-10	6.28E-12	3.60E-11	4.29E-12	4.65E-11	5.71E-12	1.88E-11	1.30E-12	2.58E-11
7019	468780.26	3819662.58	6.5E-11	2.73E-10	2.46E-11	3.63E-10	5.41E-11	2.01E-10	1.76E-11	2.72E-10	6.14E-12	3.51E-11	4.19E-12	4.55E-11	5.58E-12	1.84E-11	1.27E-12	2.52E-11
7020	468776.73	3819653.59	6.35E-11	2.67E-10	2.40E-11	3.54E-10	5.29E-11	1.96E-10	1.72E-11	2.66E-10	6.00E-12	3.43E-11	4.10E-12	4.44E-11	5.45E-12	1.80E-11	1.24E-12	2.47E-11
7021	468773.2	3819644.61	6.21E-11	2.61E-10	2.35E-11	3.46E-10	5.17E-11	1.92E-10	1.68E-11	2.60E-10	5.86E-12	3.36E-11	4.00E-12	4.34E-11	5.33E-12	1.76E-11	1.21E-12	2.41E-11
7022	468769.67	3819635.62	6.07E-11	2.55E-10	2.30E-11	3.39E-10	5.06E-11	1.87E-10	1.65E-11	2.54E-10	5.73E-12	3.28E-11	3.92E-12	4.25E-11	5.21E-12	1.72E-11	1.18E-12	2.36E-11
7023	468766.14	3819626.63	5.93E-11	2.49E-10	2.24E-11	3.31E-10	4.94E-11	1.83E-10	1.61E-11	2.49E-10	5.60E-12	3.21E-11	3.83E-12	4.15E-11	5.09E-12	1.68E-11	1.16E-12	2.30E-11
7024	468762.61	3819617.65	5.81E-11	2.44E-10	2.20E-11	3.24E-10	4.84E-11	1.79E-10	1.58E-11	2.43E-10	5.49E-12	3.14E-11	3.75E-12	4.06E-11	4.99E-12	1.64E-11	1.13E-12	2.26E-11
7025	468759.08	3819608.66	5.22E-11	2.19E-10	1.97E-11	2.91E-10	4.35E-11	1.61E-10	1.42E-11	2.19E-10	4.93E-12	2.82E-11	3.37E-12	3.65E-11	4.48E-12	1.48E-11	1.02E-12	2.03E-11
7026	468755.56	3819599.68	5.11E-11	2.15E-10	1.93E-11	2.85E-10	4.26E-11	1.58E-10	1.39E-11	2.14E-10	4.83E-12	2.76E-11	3.30E-12	3.58E-11	4.39E-12	1.45E-11	9.98E-13	1.99E-11
7027	468752.03	3819590.69	5.01E-11	2.10E-10	1.89E-11	2.79E-10	4.17E-11	1.55E-10	1.36E-11	2.10E-10	4.73E-12	2.71E-11	3.23E-12	3.50E-11	4.30E-12	1.42E-11	9.77E-13	1.95E-11
7028	468748.5	3819581.71	4.9E-11	2.06E-10	1.85E-11	2.73E-10	4.08E-11	1.51E-10	1.33E-11	2.05E-10	4.63E-12	2.65E-11	3.16E-12	3.43E-11	4.21E-12	1.39E-11	9.57E-13	1.90E-11
7029	468744.97	3819572.72	4.8E-11	2.02E-10	1.82E-11	2.68E-10	4.00E-11	1.48E-10	1.30E-11	2.01E-10	4.54E-12	2.60E-11	3.10E-12	3.36E-11	4.12E-12	1.36E-11	9.37E-13	1.87E-11
7030	468741.44	3819563.74	4.72E-11	1.98E-10	1.78E-11	2.63E-10	3.93E-11	1.46E-10	1.28E-11	1.98E-10	4.45E-12	2.55E-11	3.04E-12	3.30E-11	4.05E-12	1.33E-11	9.20E-13	1.83E-11
7031	468737.91	3819554.75	4.64E-11	1.95E-10	1.76E-11	2.59E-10	3.87E-11	1.43E-10	1.26E-11	1.94E-10	4.38E-12	2.51E-11	2.99E-12	3.25E-11	3.98E-12	1.31E-11	9.06E-13	1.80E-11
7032	468734.38	3819545.77	4.56E-11	1.92E-10	1.72E-11	2.54E-10	3.80E-11	1.41E-10	1.24E-11	1.91E-10	4.31E-12	2.47E-11	2.94E-12	3.19E-11	3.92E-12	1.29E-11	8.90E-13	1.77E-11
7033	468730.86	3819536.78	4.49E-11	1.88E-10	1.70E-11	2.50E-10	3.74E-11	1.38E-10	1.22E-11	1.88E-10	4.24E-12	2.43E-11	2.89E-12	3.14E-11	3.85E-12	1.27E-11	8.75E-13	1.74E-11
7034	468727.33	3819527.8	4.42E-11	1.86E-10	1.67E-11	2.46E-10	3.68E-11	1.36E-10	1.20E-11	1.85E-10	4.17E-12	2.39E-11	2.85E-12	3.09E-11	3.79E-12	1.25E-11	8.62E-13	1.72E-11
7035	468723.8	3819518.81	4.37E-11	1.84E-10	1.65E-11	2.44E-10	3.64E-11	1.35E-10	1.19E-11	1.83E-10	4.13E-12	2.36E-11	2.82E-12	3.06E-11	3.76E-12	1.24E-11	8.54E-13	1.70E-11
7036	468720.27	3819509.83	4.33E-11	1.82E-10	1.64E-11	2.42E-10	3.61E-11	1.34E-10	1.18E-11	1.81E-10	4.09E-12	2.34E-11	2.79E-12	3.03E-11	3.72E-12	1.23E-11	8.45E-13	1.68E-11
7037	468716.74	3819500.84	4.29E-11	1.80E-10	1.62E-11	2.39E-10	3.58E-11	1.32E-10	1.17E-11	1.80E-10	4.05E-12	2.32E-11	2.77E-12	3.00E-11	3.69E-12	1.22E-11	8.38E-13	1.67E-11
7038	468713.21	3819491.86	4.25E-11	1.78E-10	1.61E-11	2.37E-10	3.54E-11	1.31E-10	1.15E-11	1.78E-10	4.01E-12	2.30E-11	2.74E-12	2.97E-11	3.65E-12	1.20E-11	8.29E-13	1.65E-11
7039	468709.68	3819482.87	4.21E-11	1.77E-10	1.59E-11	2.35E-10	3.51E-11	1.30E-10	1.14E-11	1.77E-10	3.98E-12	2.28E-11	2.72E-12	2.95E-11	3.62E-12	1.19E-11	8.22E-13	1.64E-11
7040	468706.16	3819473.89	4.18E-11	1.75E-10	1.58E-11	2.33E-10	3.48E-11	1.29E-10	1.13E-11	1.75E-10	3.94E-12	2.26E-11	2.69E-12	2.92E-11	3.58E-12	1.18E-11	8.15E-13	1.62E-11
7041	468702.63	3819464.9	4.14E-11	1.74E-10	1.57E-11	2.31E-10	3.45E-11	1.28E-10	1.12E-11	1.73E-10	3.91E-12	2.24E-11	2.67E-12	2.89E-11	3.55E-12	1.17E-11	8.07E-13	1.61E-11
7042	468699.1	3819455.91	4.11E-11	1.72E-10	1.55E-11	2.29E-10	3.42E-11	1.27E-10	1.11E-11	1.72E-10	3.88E-12	2.22E-11	2.65E-12	2.87E-11	3.53E-12	1.16E-11	8.01E-13	1.60E-11
7043	468695.57	3819446.93	4.08E-11	1.71E-10	1.54E-11	2.28E-10	3.40E-11	1.26E-10	1.11E-11	1.71E-10	3.85E-12	2.21E-11	2.63E-12	2.86E-11	3.50E-12	1.16E-11	7.97E-13	1.59E-11
7044	468692.04	3819437.94	4.05E-11	1.70E-10	1.53E-11	2.26E-10	3.37E-11	1.25E-10	1.10E-11	1.70E-10	3.83E-12	2.19E-11	2.61E-12	2.83E-11	3.48E-12	1.15E-11	7.90E-13	1.57E-11
7045	468688.51	3819428.96	4.03E-11	1.69E-10	1.52E-11	2.25E-10	3.35E-11	1.24E-10	1.09E-11	1.69E-10	3.80E-12	2.18E-11	2.60E-12	2.82E-11	3.46E-12	1.14E-11	7.86E-13	1.56E-11
7046	470084.93	3820868.26	4.51E-10	1.89E-09	1.71E-10	2.52E-09	3.76E-10	1.39E-09	1.22E-10	1.89E-09	4.26E-11	2.44E-10	2.91E-11	3.16E-10	3.87E-11	1.28E-10	8.80E-12	1.75E-10

7047	470094.63	3820868.4	4.48E-10	1.88E-09	1.70E-10	2.50E-09	3.73E-10	1.38E-09	1.22E-10	1.88E-09	4.23E-11	2.42E-10	2.89E-11	3.14E-10	3.85E-11	1.27E-10	8.75E-12	1.74E-10
7048	470104.33	3820868.53	4.45E-10	1.87E-09	1.68E-10	2.48E-09	3.71E-10	1.37E-09	1.21E-10	1.87E-09	4.20E-11	2.41E-10	2.87E-11	3.11E-10	3.82E-11	1.26E-10	8.69E-12	1.73E-10
7049	470114.03	3820868.67	4.42E-10	1.86E-09	1.67E-10	2.47E-09	3.68E-10	1.36E-09	1.20E-10	1.85E-09	4.17E-11	2.39E-10	2.85E-11	3.09E-10	3.79E-11	1.25E-10	8.62E-12	1.72E-10
7050	470123.72	3820868.8	4.39E-10	1.84E-09	1.66E-10	2.45E-09	3.66E-10	1.35E-09	1.19E-10	1.84E-09	4.14E-11	2.37E-10	2.83E-11	3.07E-10	3.77E-11	1.24E-10	8.56E-12	1.70E-10
7051	470133.42	3820868.94	4.36E-10	1.83E-09	1.65E-10	2.43E-09	3.63E-10	1.34E-09	1.18E-10	1.83E-09	4.11E-11	2.35E-10	2.81E-11	3.05E-10	3.74E-11	1.23E-10	8.50E-12	1.69E-10
7052	470143.12	3820869.07	4.32E-10	1.82E-09	1.63E-10	2.41E-09	3.60E-10	1.33E-09	1.17E-10	1.81E-09	4.08E-11	2.34E-10	2.79E-11	3.02E-10	3.71E-11	1.22E-10	8.43E-12	1.68E-10
7053	470152.81	3820869.21	4.29E-10	1.80E-09	1.62E-10	2.39E-09	3.57E-10	1.32E-09	1.16E-10	1.80E-09	4.05E-11	2.32E-10	2.77E-11	3.00E-10	3.68E-11	1.21E-10	8.37E-12	1.67E-10
7054	470162.51	3820869.34	4.26E-10	1.79E-09	1.61E-10	2.37E-09	3.54E-10	1.31E-09	1.16E-10	1.78E-09	4.02E-11	2.30E-10	2.74E-11	2.98E-10	3.65E-11	1.20E-10	8.30E-12	1.65E-10
7055	470172.21	3820869.48	4.22E-10	1.77E-09	1.60E-10	2.35E-09	3.52E-10	1.30E-09	1.15E-10	1.77E-09	3.99E-11	2.28E-10	2.72E-11	2.95E-10	3.62E-11	1.19E-10	8.24E-12	1.64E-10
7056	470181.91	3820869.61	4.19E-10	1.76E-09	1.58E-10	2.33E-09	3.49E-10	1.29E-09	1.14E-10	1.75E-09	3.95E-11	2.26E-10	2.70E-11	2.93E-10	3.59E-11	1.18E-10	8.17E-12	1.63E-10
7057	470191.6	3820869.75	4.15E-10	1.74E-09	1.57E-10	2.32E-09	3.46E-10	1.28E-09	1.13E-10	1.74E-09	3.92E-11	2.24E-10	2.68E-11	2.90E-10	3.56E-11	1.17E-10	8.10E-12	1.61E-10
7058	470201.3	3820869.88	4.11E-10	1.73E-09	1.56E-10	2.29E-09	3.43E-10	1.27E-09	1.12E-10	1.72E-09	3.89E-11	2.22E-10	2.65E-11	2.88E-10	3.53E-11	1.16E-10	8.03E-12	1.60E-10
7059	470211	3820870.02	4.08E-10	1.71E-09	1.54E-10	2.28E-09	3.40E-10	1.26E-09	1.11E-10	1.71E-09	3.85E-11	2.21E-10	2.63E-11	2.85E-10	3.50E-11	1.15E-10	7.96E-12	1.58E-10
7060	470220.69	3820870.15	4.04E-10	1.70E-09	1.53E-10	2.26E-09	3.37E-10	1.25E-09	1.10E-10	1.69E-09	3.82E-11	2.19E-10	2.61E-11	2.83E-10	3.47E-11	1.14E-10	7.89E-12	1.57E-10
7061	470230.39	3820870.29	4.01E-10	1.68E-09	1.52E-10	2.24E-09	3.34E-10	1.24E-09	1.09E-10	1.68E-09	3.79E-11	2.17E-10	2.59E-11	2.80E-10	3.44E-11	1.13E-10	7.82E-12	1.56E-10
7062	470240.09	3820870.42	3.97E-10	1.67E-09	1.50E-10	2.22E-09	3.31E-10	1.23E-09	1.08E-10	1.67E-09	3.75E-11	2.15E-10	2.56E-11	2.78E-10	3.41E-11	1.13E-10	7.76E-12	1.54E-10
7063	470249.79	3820870.56	3.94E-10	1.65E-09	1.49E-10	2.20E-09	3.28E-10	1.22E-09	1.07E-10	1.65E-09	3.72E-11	2.13E-10	2.54E-11	2.76E-10	3.38E-11	1.12E-10	7.69E-12	1.53E-10
7064	470259.48	3820870.69	3.91E-10	1.64E-09	1.48E-10	2.18E-09	3.25E-10	1.21E-09	1.06E-10	1.64E-09	3.69E-11	2.11E-10	2.52E-11	2.73E-10	3.35E-11	1.11E-10	7.62E-12	1.52E-10
7065	470074.93	3820944.41	4.16E-10	1.75E-09	1.57E-10	2.32E-09	3.47E-10	1.28E-09	1.13E-10	1.74E-09	3.93E-11	2.25E-10	2.68E-11	2.91E-10	3.57E-11	1.18E-10	8.12E-12	1.62E-10
7066	470066.04	3820940.57	4.2E-10	1.76E-09	1.59E-10	2.34E-09	3.50E-10	1.30E-09	1.14E-10	1.76E-09	3.97E-11	2.27E-10	2.71E-11	2.94E-10	3.61E-11	1.19E-10	8.20E-12	1.63E-10
7067	470057.16	3820936.72	4.24E-10	1.78E-09	1.60E-10	2.36E-09	3.53E-10	1.31E-09	1.15E-10	1.78E-09	4.00E-11	2.29E-10	2.73E-11	2.97E-10	3.64E-11	1.20E-10	8.27E-12	1.65E-10
7068	470048.27	3820932.88	4.28E-10	1.80E-09	1.62E-10	2.39E-09	3.56E-10	1.32E-09	1.16E-10	1.79E-09	4.04E-11	2.31E-10	2.76E-11	2.99E-10	3.67E-11	1.21E-10	8.34E-12	1.66E-10
7069	470039.38	3820929.04	4.31E-10	1.81E-09	1.63E-10	2.41E-09	3.59E-10	1.33E-09	1.17E-10	1.81E-09	4.07E-11	2.33E-10	2.78E-11	3.02E-10	3.70E-11	1.22E-10	8.42E-12	1.68E-10
7070	470030.49	3820925.2	4.35E-10	1.83E-09	1.64E-10	2.43E-09	3.62E-10	1.34E-09	1.18E-10	1.82E-09	4.11E-11	2.35E-10	2.80E-11	3.04E-10	3.73E-11	1.23E-10	8.48E-12	1.69E-10
7071	470021.61	3820921.35	4.38E-10	1.84E-09	1.66E-10	2.44E-09	3.65E-10	1.35E-09	1.19E-10	1.84E-09	4.14E-11	2.37E-10	2.83E-11	3.07E-10	3.76E-11	1.24E-10	8.55E-12	1.70E-10
7072	469994.94	3820909.82	4.48E-10	1.88E-09	1.69E-10	2.50E-09	3.73E-10	1.38E-09	1.22E-10	1.88E-09	4.23E-11	2.42E-10	2.89E-11	3.13E-10	3.84E-11	1.27E-10	8.74E-12	1.74E-10
7073	469986.06	3820905.98	4.51E-10	1.89E-09	1.70E-10	2.51E-09	3.75E-10	1.39E-09	1.22E-10	1.89E-09	4.26E-11	2.44E-10	2.91E-11	3.15E-10	3.87E-11	1.28E-10	8.79E-12	1.75E-10
7074	469977.17	3820902.14	4.53E-10	1.90E-09	1.71E-10	2.53E-09	3.77E-10	1.40E-09	1.23E-10	1.90E-09	4.28E-11	2.45E-10	2.92E-11	3.17E-10	3.89E-11	1.28E-10	8.84E-12	1.76E-10
7075	469968.28	3820898.29	4.56E-10	1.91E-09	1.72E-10	2.54E-09	3.79E-10	1.41E-09	1.24E-10	1.91E-09	4.30E-11	2.46E-10	2.94E-11	3.19E-10	3.91E-11	1.29E-10	8.89E-12	1.77E-10
7076	469959.39	3820894.45	4.58E-10	1.92E-09	1.73E-10	2.55E-09	3.81E-10	1.41E-09	1.24E-10	1.92E-09	4.32E-11	2.47E-10	2.95E-11	3.20E-10	3.93E-11	1.30E-10	8.93E-12	1.78E-10
7077	469950.51	3820890.61	4.6E-10	1.93E-09	1.74E-10	2.57E-09	3.83E-10	1.42E-09	1.25E-10	1.93E-09	4.34E-11	2.49E-10	2.97E-11	3.22E-10	3.95E-11	1.30E-10	8.98E-12	1.79E-10
7078	469941.62	3820886.76	4.62E-10	1.94E-09	1.75E-10	2.58E-09	3.85E-10	1.43E-09	1.25E-10	1.94E-09	4.36E-11	2.50E-10	2.98E-11	3.23E-10	3.97E-11	1.31E-10	9.01E-12	1.79E-10
7079	469932.73	3820882.92	4.64E-10	1.95E-09	1.75E-10	2.59E-09	3.86E-10	1.43E-09	1.26E-10	1.94E-09	4.38E-11	2.51E-10	2.99E-11	3.24E-10	3.98E-11	1.31E-10	9.05E-12	1.80E-10
7080	469923.84	3820879.08	4.65E-10	1.95E-09	1.76E-10	2.60E-09	3.88E-10	1.44E-09	1.26E-10	1.95E-09	4.39E-11	2.52E-10	3.00E-11	3.25E-10	3.99E-11	1.32E-10	9.08E-12	1.81E-10
7081	469914.96	3820875.23	4.67E-10	1.96E-09	1.76E-10	2.60E-09	3.89E-10	1.44E-09	1.27E-10	1.96E-09	4.41E-11	2.52E-10	3.01E-11	3.26E-10	4.01E-11	1.32E-10	9.10E-12	1.81E-10
7082	469906.07	3820871.39	4.68E-10	1.96E-09	1.77E-10	2.61E-09	3.90E-10	1.44E-09	1.27E-10	1.96E-09	4.42E-11	2.53E-10	3.02E-11	3.27E-10	4.02E-11	1.32E-10	9.13E-12	1.82E-10
7083	469897.18	3820867.55	4.69E-10	1.97E-09	1.77E-10	2.61E-09	3.90E-10	1.45E-09	1.27E-10	1.96E-09	4.43E-11	2.53E-10	3.02E-11	3.28E-10	4.02E-11	1.33E-10	9.14E-12	1.82E-10
7084	469888.29	3820863.7	4.69E-10	1.97E-09	1.77E-10	2.62E-09	3.91E-10	1.45E-09	1.27E-10	1.97E-09	4.43E-11	2.54E-10	3.03E-11	3.28E-10	4.03E-11	1.33E-10	9.16E-12	1.82E-10
7085	469879.4	3820859.86	4.7E-10	1.97E-09	1.78E-10	2.62E-09	3.91E-10	1.45E-09	1.27E-10	1.97E-09	4.43E-11	2.54E-10	3.03E-11	3.29E-10	4.03E-11	1.33E-10	9.16E-12	1.82E-10
7086	469870.52	3820856.02	4.7E-10	1.97E-09	1.78E-10	2.62E-09	3.91E-10	1.45E-09	1.28E-10	1.97E-09	4.44E-11	2.54E-10	3.03E-11	3.29E-10	4.03E-11	1.33E-10	9.17E-12	1.82E-10
7087	469861.63	3820852.17	4.7E-10	1.97E-09	1.78E-10	2.62E-09	3.91E-10	1.45E-09	1.28E-10	1.97E-09	4.44E-11	2.54E-10	3.03E-11	3.29E-10	4.03E-11	1.33E-10	9.17E-12	1.82E-10
7088	469852.74	3820848.33	4.7E-10	1.97E-09	1.78E-10	2.62E-09	3.91E-10	1.45E-09	1.27E-10	1.97E-09	4.43E-11	2.54E-10	3.03E-11	3.29E-10	4.03E-11	1.33E-10	9.16E-12	1.82E-10
7089	469781.64	3820817.58	4.61E-10	1.94E-09	1.75E-10	2.57E-09	3.84E-10	1.42E-09	1.25E-10	1.93E-09	4.36E-11	2.49E-10	2.98E-11	3.23E-10	3.96E-11	1.31E-10	9.00E-12	1.79E-10
7090	469772.75	3820813.74	4.6E-10	1.93E-09	1.74E-10	2.56E-09	3.83E-10	1.42E-09	1.25E-10	1.93E-09	4.34E-11	2.48E-10	2.96E-11	3.22E-10	3.95E-11	1.30E-10	8.97E-12	1.79E-10
7091	469763.87	3820809.9	4.58E-10	1.92E-09	1.73E-10	2.55E-09	3.81E-10	1.41E-09	1.24E-10	1.92E-09	4.32E-11	2.47E-10	2.95E-11	3.20E-10	3.93E-11	1.30E-10	8.93E-12	1.78E-10
7092	469754.98	3820806.05	4.56E-10	1.91E-09	1.72E-10	2.54E-09	3.79E-10	1.41E-09	1.24E-10	1.91E-09	4.30E-11	2.46E-10	2.94E-11	3.19E-10	3.91E-11	1.29E-10	8.89E-12	1.77E-10
7093	469746.09	3820802.21	4.53E-10	1.90E-09	1.71E-10	2.53E-09	3.78E-10	1.40E-09	1.23E-10	1.90E-09	4.28E-11	2.45E-10	2.92E-11	3.17E-10	3.89E-11	1.28E-10	8.85E-12	1.76E-10
7094	469737.2	3820798.37	4.51E-10	1.89E-09	1.71E-10	2.52E-09	3.76E-10	1.39E-09	1.22E-10	1.89E-09	4.26E-11	2.44E-10	2.91E-11	3.15E-10	3.87E-11	1.28E-10	8.80E-12	1.75E-10
7095	469728.32	3820794.52	4.48E-10	1.88E-09	1.70E-10	2.50E-09	3.74E-10	1.38E-09	1.22E-10	1.88E-09	4.23E-11	2.42E-10	2.89E-11	3.14E-10	3.85E-11	1.27E-10	8.75E-12	1.74E-10
7096	469719.43	3820790.68	4.46E-10	1.87E-09	1.69E-10	2.49E-09	3.71E-10	1.38E-09	1.21E-10	1.87E-09	4.21E-11	2.41E-10	2.87E-11	3.12E-10	3.83E-11	1.26E-10	8.70E-12	1.73E-10

7097	469710.54	3820786.84	4.43E-10	1.86E-09	1.68E-10	2.47E-09	3.69E-10	1.37E-09	1.20E-10	1.86E-09	4.18E-11	2.39E-10	2.86E-11	3.10E-10	3.80E-11	1.25E-10	8.64E-12	1.72E-10
7098	469701.65	3820783	4.4E-10	1.85E-09	1.66E-10	2.46E-09	3.67E-10	1.36E-09	1.19E-10	1.84E-09	4.16E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.25E-10	8.59E-12	1.71E-10
7099	469657.21	3820763.78	4.25E-10	1.78E-09	1.61E-10	2.37E-09	3.54E-10	1.31E-09	1.15E-10	1.78E-09	4.01E-11	2.30E-10	2.74E-11	2.97E-10	3.65E-11	1.20E-10	8.29E-12	1.65E-10
7100	469648.33	3820759.94	4.21E-10	1.77E-09	1.59E-10	2.35E-09	3.51E-10	1.30E-09	1.14E-10	1.77E-09	3.98E-11	2.28E-10	2.72E-11	2.95E-10	3.62E-11	1.19E-10	8.22E-12	1.64E-10
7101	469639.44	3820756.09	4.18E-10	1.76E-09	1.58E-10	2.33E-09	3.48E-10	1.29E-09	1.14E-10	1.75E-09	3.95E-11	2.26E-10	2.70E-11	2.93E-10	3.59E-11	1.18E-10	8.16E-12	1.62E-10
7102	469630.55	3820752.25	4.15E-10	1.74E-09	1.57E-10	2.31E-09	3.46E-10	1.28E-09	1.13E-10	1.74E-09	3.92E-11	2.24E-10	2.68E-11	2.90E-10	3.56E-11	1.17E-10	8.09E-12	1.61E-10
7103	469621.66	3820748.41	4.12E-10	1.73E-09	1.56E-10	2.30E-09	3.43E-10	1.27E-09	1.12E-10	1.72E-09	3.89E-11	2.22E-10	2.65E-11	2.88E-10	3.53E-11	1.16E-10	8.03E-12	1.60E-10
7104	469612.78	3820744.56	4.08E-10	1.71E-09	1.54E-10	2.28E-09	3.40E-10	1.26E-09	1.11E-10	1.71E-09	3.86E-11	2.21E-10	2.63E-11	2.86E-10	3.50E-11	1.16E-10	7.97E-12	1.59E-10
7105	469603.89	3820740.72	4.05E-10	1.70E-09	1.53E-10	2.26E-09	3.37E-10	1.25E-09	1.10E-10	1.70E-09	3.83E-11	2.19E-10	2.61E-11	2.83E-10	3.48E-11	1.15E-10	7.90E-12	1.57E-10
7106	469595	3820736.88	4.02E-10	1.69E-09	1.52E-10	2.24E-09	3.35E-10	1.24E-09	1.09E-10	1.68E-09	3.79E-11	2.17E-10	2.59E-11	2.81E-10	3.45E-11	1.14E-10	7.84E-12	1.56E-10
7107	469586.11	3820733.03	3.99E-10	1.67E-09	1.51E-10	2.22E-09	3.32E-10	1.23E-09	1.08E-10	1.67E-09	3.76E-11	2.16E-10	2.57E-11	2.79E-10	3.42E-11	1.13E-10	7.78E-12	1.55E-10
7108	469577.23	3820729.19	3.95E-10	1.66E-09	1.50E-10	2.21E-09	3.29E-10	1.22E-09	1.07E-10	1.66E-09	3.73E-11	2.14E-10	2.55E-11	2.77E-10	3.39E-11	1.12E-10	7.72E-12	1.54E-10
7109	469568.34	3820725.35	3.92E-10	1.65E-09	1.48E-10	2.19E-09	3.27E-10	1.21E-09	1.06E-10	1.64E-09	3.70E-11	2.12E-10	2.53E-11	2.74E-10	3.37E-11	1.11E-10	7.65E-12	1.52E-10
7110	469559.45	3820721.5	3.89E-10	1.63E-09	1.47E-10	2.17E-09	3.24E-10	1.20E-09	1.06E-10	1.63E-09	3.67E-11	2.10E-10	2.51E-11	2.72E-10	3.34E-11	1.10E-10	7.59E-12	1.51E-10
7111	469550.56	3820717.66	3.86E-10	1.62E-09	1.46E-10	2.15E-09	3.22E-10	1.19E-09	1.05E-10	1.62E-09	3.65E-11	2.09E-10	2.49E-11	2.70E-10	3.31E-11	1.09E-10	7.53E-12	1.50E-10
7112	469541.68	3820713.82	3.83E-10	1.61E-09	1.45E-10	2.14E-09	3.19E-10	1.18E-09	1.04E-10	1.61E-09	3.62E-11	2.07E-10	2.47E-11	2.68E-10	3.29E-11	1.08E-10	7.47E-12	1.49E-10
7113	469532.79	3820709.97	3.8E-10	1.60E-09	1.44E-10	2.12E-09	3.17E-10	1.17E-09	1.03E-10	1.59E-09	3.59E-11	2.05E-10	2.45E-11	2.66E-10	3.26E-11	1.08E-10	7.42E-12	1.48E-10
7114	469523.9	3820706.13	3.77E-10	1.58E-09	1.43E-10	2.10E-09	3.14E-10	1.16E-09	1.02E-10	1.58E-09	3.56E-11	2.04E-10	2.43E-11	2.64E-10	3.24E-11	1.07E-10	7.36E-12	1.46E-10
7115	469515.01	3820702.29	3.74E-10	1.57E-09	1.42E-10	2.09E-09	3.12E-10	1.15E-09	1.02E-10	1.57E-09	3.53E-11	2.02E-10	2.41E-11	2.62E-10	3.21E-11	1.06E-10	7.30E-12	1.45E-10
7116	469506.12	3820698.44	3.71E-10	1.56E-09	1.40E-10	2.07E-09	3.09E-10	1.15E-09	1.01E-10	1.56E-09	3.51E-11	2.01E-10	2.40E-11	2.60E-10	3.19E-11	1.05E-10	7.25E-12	1.44E-10
7117	469497.24	3820694.6	3.69E-10	1.55E-09	1.39E-10	2.06E-09	3.07E-10	1.14E-09	1.00E-10	1.54E-09	3.48E-11	1.99E-10	2.38E-11	2.58E-10	3.16E-11	1.04E-10	7.19E-12	1.43E-10
7118	469488.35	3820690.76	3.66E-10	1.54E-09	1.38E-10	2.04E-09	3.05E-10	1.13E-09	9.93E-11	1.53E-09	3.46E-11	1.98E-10	2.36E-11	2.56E-10	3.14E-11	1.04E-10	7.14E-12	1.42E-10
7119	469479.46	3820686.91	3.63E-10	1.53E-09	1.37E-10	2.03E-09	3.03E-10	1.12E-09	9.86E-11	1.52E-09	3.43E-11	1.96E-10	2.34E-11	2.54E-10	3.12E-11	1.03E-10	7.09E-12	1.41E-10
7120	469355.04	3820633.11	3.32E-10	1.39E-09	1.25E-10	1.85E-09	2.76E-10	1.02E-09	9.01E-11	1.39E-09	3.13E-11	1.79E-10	2.14E-11	2.32E-10	2.85E-11	9.39E-11	6.47E-12	1.29E-10
7121	469346.15	3820629.27	3.3E-10	1.39E-09	1.25E-10	1.84E-09	2.75E-10	1.02E-09	8.95E-11	1.38E-09	3.11E-11	1.78E-10	2.13E-11	2.31E-10	2.83E-11	9.34E-11	6.44E-12	1.28E-10
7122	469337.26	3820625.42	3.28E-10	1.38E-09	1.24E-10	1.83E-09	2.73E-10	1.01E-09	8.90E-11	1.37E-09	3.10E-11	1.77E-10	2.12E-11	2.29E-10	2.82E-11	9.28E-11	6.40E-12	1.27E-10
7123	469328.37	3820621.58	3.26E-10	1.37E-09	1.23E-10	1.82E-09	2.72E-10	1.01E-09	8.85E-11	1.37E-09	3.08E-11	1.76E-10	2.10E-11	2.28E-10	2.80E-11	9.23E-11	6.36E-12	1.27E-10
7124	469319.48	3820617.74	3.24E-10	1.36E-09	1.23E-10	1.81E-09	2.70E-10	1.00E-09	8.80E-11	1.36E-09	3.06E-11	1.75E-10	2.09E-11	2.27E-10	2.78E-11	9.18E-11	6.33E-12	1.26E-10
7125	469310.6	3820613.89	3.22E-10	1.35E-09	1.22E-10	1.80E-09	2.68E-10	9.95E-10	8.75E-11	1.35E-09	3.04E-11	1.74E-10	2.08E-11	2.25E-10	2.77E-11	9.12E-11	6.29E-12	1.25E-10
7126	469301.71	3820610.05	3.2E-10	1.35E-09	1.21E-10	1.79E-09	2.67E-10	9.89E-10	8.70E-11	1.34E-09	3.03E-11	1.73E-10	2.07E-11	2.24E-10	2.75E-11	9.07E-11	6.25E-12	1.24E-10
7127	469292.82	3820606.21	3.19E-10	1.34E-09	1.21E-10	1.78E-09	2.65E-10	9.83E-10	8.65E-11	1.34E-09	3.01E-11	1.72E-10	2.06E-11	2.23E-10	2.74E-11	9.02E-11	6.22E-12	1.24E-10
7128	469283.93	3820602.36	3.17E-10	1.33E-09	1.20E-10	1.77E-09	2.64E-10	9.77E-10	8.60E-11	1.33E-09	2.99E-11	1.71E-10	2.04E-11	2.22E-10	2.72E-11	8.97E-11	6.18E-12	1.23E-10
7129	469275.05	3820598.52	3.15E-10	1.32E-09	1.19E-10	1.76E-09	2.62E-10	9.72E-10	8.55E-11	1.32E-09	2.97E-11	1.70E-10	2.03E-11	2.20E-10	2.70E-11	8.91E-11	6.14E-12	1.22E-10
7130	469266.16	3820594.68	3.13E-10	1.31E-09	1.18E-10	1.75E-09	2.61E-10	9.66E-10	8.50E-11	1.31E-09	2.96E-11	1.69E-10	2.02E-11	2.19E-10	2.69E-11	8.86E-11	6.11E-12	1.22E-10
7131	469257.27	3820590.83	3.11E-10	1.31E-09	1.18E-10	1.74E-09	2.59E-10	9.60E-10	8.45E-11	1.30E-09	2.94E-11	1.68E-10	2.01E-11	2.18E-10	2.67E-11	8.81E-11	6.07E-12	1.21E-10
7132	469248.38	3820586.99	3.09E-10	1.30E-09	1.17E-10	1.73E-09	2.58E-10	9.54E-10	8.40E-11	1.30E-09	2.92E-11	1.67E-10	1.99E-11	2.16E-10	2.66E-11	8.76E-11	6.04E-12	1.20E-10
7133	469239.5	3820583.15	3.07E-10	1.29E-09	1.16E-10	1.71E-09	2.56E-10	9.49E-10	8.35E-11	1.29E-09	2.90E-11	1.66E-10	1.98E-11	2.15E-10	2.64E-11	8.70E-11	6.00E-12	1.19E-10
7134	469230.61	3820579.3	3.06E-10	1.28E-09	1.16E-10	1.70E-09	2.54E-10	9.43E-10	8.29E-11	1.28E-09	2.88E-11	1.65E-10	1.97E-11	2.14E-10	2.62E-11	8.65E-11	5.96E-12	1.19E-10
7135	469221.72	3820575.46	3.04E-10	1.27E-09	1.15E-10	1.69E-09	2.53E-10	9.37E-10	8.24E-11	1.27E-09	2.87E-11	1.64E-10	1.96E-11	2.12E-10	2.61E-11	8.59E-11	5.92E-12	1.18E-10
7136	469212.83	3820571.62	3.02E-10	1.27E-09	1.14E-10	1.68E-09	2.51E-10	9.31E-10	8.19E-11	1.26E-09	2.85E-11	1.63E-10	1.95E-11	2.11E-10	2.59E-11	8.54E-11	5.88E-12	1.17E-10
7137	469203.95	3820567.77	3E-10	1.26E-09	1.13E-10	1.67E-09	2.50E-10	9.25E-10	8.13E-11	1.26E-09	2.83E-11	1.62E-10	1.93E-11	2.10E-10	2.57E-11	8.48E-11	5.85E-12	1.16E-10
7138	469195.06	3820563.93	2.98E-10	1.25E-09	1.13E-10	1.66E-09	2.48E-10	9.18E-10	8.08E-11	1.25E-09	2.81E-11	1.61E-10	1.92E-11	2.08E-10	2.55E-11	8.42E-11	5.81E-12	1.16E-10
7139	469186.17	3820560.09	2.96E-10	1.24E-09	1.12E-10	1.65E-09	2.46E-10	9.12E-10	8.02E-11	1.24E-09	2.79E-11	1.60E-10	1.91E-11	2.07E-10	2.54E-11	8.37E-11	5.77E-12	1.15E-10
7140	469177.28	3820556.24	2.94E-10	1.23E-09	1.11E-10	1.64E-09	2.44E-10	9.06E-10	7.97E-11	1.23E-09	2.77E-11	1.59E-10	1.89E-11	2.05E-10	2.52E-11	8.31E-11	5.73E-12	1.14E-10
7141	469168.4	3820552.4	2.91E-10	1.22E-09	1.10E-10	1.63E-09	2.43E-10	8.99E-10	7.91E-11	1.22E-09	2.75E-11	1.58E-10	1.88E-11	2.04E-10	2.50E-11	8.25E-11	5.69E-12	1.13E-10
7142	469159.51	3820548.56	2.89E-10	1.21E-09	1.09E-10	1.61E-09	2.41E-10	8.92E-10	7.85E-11	1.21E-09	2.73E-11	1.56E-10	1.87E-11	2.02E-10	2.48E-11	8.19E-11	5.64E-12	1.12E-10
7143	469150.62	3820544.71	2.87E-10	1.21E-09	1.09E-10	1.60E-09	2.39E-10	8.86E-10	7.79E-11	1.20E-09	2.71E-11	1.55E-10	1.85E-11	2.01E-10	2.46E-11	8.13E-11	5.60E-12	1.11E-10
7144	469141.73	3820540.87	2.85E-10	1.20E-09	1.08E-10	1.59E-09	2.37E-10	8.79E-10	7.73E-11	1.19E-09	2.69E-11	1.54E-10	1.84E-11	1.99E-10	2.45E-11	8.06E-11	5.56E-12	1.11E-10
7145	469132.85	3820537.03	2.83E-10	1.19E-09	1.07E-10	1.58E-09	2.35E-10	8.72E-10	7.67E-11	1.18E-09	2.67E-11	1.53E-10	1.82E-11	1.98E-10	2.43E-11	8.00E-11	5.51E-12	1.10E-10
7146	469123.96	3820533.18	2.8E-10	1.18E-09	1.06E-10	1.56E-09	2.33E-10	8.65E-10	7.61E-11	1.17E-09	2.65E-11	1.52E-10	1.81E-11	1.96E-10	2.41E-11	7.93E-11	5.47E-12	1.09E-10

7147	469115.07	3820529.34	2.78E-10	1.17E-09	1.05E-10	1.55E-09	2.32E-10	8.58E-10	7.55E-11	1.16E-09	2.63E-11	1.50E-10	1.79E-11	1.94E-10	2.39E-11	7.87E-11	5.42E-12	1.08E-10
7148	469106.18	3820525.5	2.76E-10	1.16E-09	1.04E-10	1.54E-09	2.30E-10	8.51E-10	7.48E-11	1.15E-09	2.60E-11	1.49E-10	1.78E-11	1.93E-10	2.37E-11	7.80E-11	5.38E-12	1.07E-10
7149	469097.29	3820521.65	2.73E-10	1.15E-09	1.03E-10	1.52E-09	2.28E-10	8.43E-10	7.42E-11	1.14E-09	2.58E-11	1.48E-10	1.76E-11	1.91E-10	2.35E-11	7.73E-11	5.33E-12	1.06E-10
7150	469088.41	3820517.81	2.71E-10	1.14E-09	1.02E-10	1.51E-09	2.26E-10	8.36E-10	7.35E-11	1.13E-09	2.56E-11	1.46E-10	1.75E-11	1.89E-10	2.32E-11	7.66E-11	5.28E-12	1.05E-10
7151	469079.52	3820513.97	2.68E-10	1.13E-09	1.01E-10	1.50E-09	2.23E-10	8.28E-10	7.28E-11	1.12E-09	2.53E-11	1.45E-10	1.73E-11	1.88E-10	2.30E-11	7.59E-11	5.23E-12	1.04E-10
7152	469070.63	3820510.12	2.66E-10	1.12E-09	1.01E-10	1.48E-09	2.21E-10	8.20E-10	7.21E-11	1.11E-09	2.51E-11	1.44E-10	1.71E-11	1.86E-10	2.28E-11	7.52E-11	5.19E-12	1.03E-10
7153	469061.74	3820506.28	2.63E-10	1.11E-09	9.95E-11	1.47E-09	2.19E-10	8.12E-10	7.14E-11	1.10E-09	2.49E-11	1.42E-10	1.70E-11	1.84E-10	2.26E-11	7.45E-11	5.14E-12	1.02E-10
7154	469052.86	3820502.44	2.61E-10	1.09E-09	9.86E-11	1.45E-09	2.17E-10	8.04E-10	7.08E-11	1.09E-09	2.46E-11	1.41E-10	1.68E-11	1.82E-10	2.24E-11	7.38E-11	5.09E-12	1.01E-10
7155	469043.97	3820498.6	2.58E-10	1.08E-09	9.76E-11	1.44E-09	2.15E-10	7.96E-10	7.00E-11	1.08E-09	2.44E-11	1.39E-10	1.66E-11	1.80E-10	2.21E-11	7.30E-11	5.03E-12	1.00E-10
7156	469035.08	3820494.75	2.55E-10	1.07E-09	9.66E-11	1.42E-09	2.13E-10	7.88E-10	6.93E-11	1.07E-09	2.41E-11	1.38E-10	1.65E-11	1.79E-10	2.19E-11	7.23E-11	4.98E-12	9.92E-11
7157	469022.65	3820481.9	2.52E-10	1.06E-09	9.53E-11	1.40E-09	2.10E-10	7.77E-10	6.84E-11	1.06E-09	2.38E-11	1.36E-10	1.62E-11	1.76E-10	2.16E-11	7.13E-11	4.92E-12	9.78E-11
7158	469019.11	3820472.88	2.51E-10	1.05E-09	9.50E-11	1.40E-09	2.09E-10	7.75E-10	6.82E-11	1.05E-09	2.37E-11	1.36E-10	1.62E-11	1.76E-10	2.16E-11	7.11E-11	4.90E-12	9.75E-11
7159	469015.58	3820463.87	2.5E-10	1.05E-09	9.46E-11	1.40E-09	2.08E-10	7.72E-10	6.79E-11	1.05E-09	2.36E-11	1.35E-10	1.61E-11	1.75E-10	2.15E-11	7.08E-11	4.88E-12	9.72E-11
7160	469012.04	3820454.86	2.49E-10	1.05E-09	9.42E-11	1.39E-09	2.08E-10	7.69E-10	6.76E-11	1.04E-09	2.35E-11	1.35E-10	1.61E-11	1.74E-10	2.14E-11	7.05E-11	4.86E-12	9.68E-11
7161	469008.5	3820445.84	2.48E-10	1.04E-09	9.38E-11	1.38E-09	2.07E-10	7.66E-10	6.73E-11	1.04E-09	2.34E-11	1.34E-10	1.60E-11	1.74E-10	2.13E-11	7.02E-11	4.84E-12	9.64E-11
7162	469004.96	3820436.83	2.47E-10	1.04E-09	9.34E-11	1.38E-09	2.06E-10	7.62E-10	6.70E-11	1.03E-09	2.33E-11	1.34E-10	1.59E-11	1.73E-10	2.12E-11	6.99E-11	4.82E-12	9.59E-11
7163	469001.42	3820427.82	2.46E-10	1.03E-09	9.30E-11	1.37E-09	2.05E-10	7.58E-10	6.67E-11	1.03E-09	2.32E-11	1.33E-10	1.59E-11	1.72E-10	2.11E-11	6.96E-11	4.80E-12	9.55E-11
7164	468997.88	3820418.81	2.45E-10	1.03E-09	9.25E-11	1.36E-09	2.04E-10	7.55E-10	6.64E-11	1.02E-09	2.31E-11	1.32E-10	1.58E-11	1.71E-10	2.10E-11	6.92E-11	4.77E-12	9.50E-11
7165	468994.34	3820409.79	2.43E-10	1.02E-09	9.20E-11	1.36E-09	2.03E-10	7.51E-10	6.60E-11	1.02E-09	2.30E-11	1.31E-10	1.57E-11	1.70E-10	2.09E-11	6.89E-11	4.75E-12	9.45E-11
7166	468990.8	3820400.78	2.42E-10	1.02E-09	9.15E-11	1.35E-09	2.01E-10	7.46E-10	6.56E-11	1.01E-09	2.28E-11	1.31E-10	1.56E-11	1.69E-10	2.08E-11	6.84E-11	4.72E-12	9.39E-11
7167	468987.26	3820391.77	2.4E-10	1.01E-09	9.09E-11	1.34E-09	2.00E-10	7.42E-10	6.53E-11	1.01E-09	2.27E-11	1.30E-10	1.55E-11	1.68E-10	2.06E-11	6.80E-11	4.69E-12	9.34E-11
7168	468983.72	3820382.75	2.39E-10	1.00E-09	9.03E-11	1.33E-09	1.99E-10	7.37E-10	6.48E-11	1.00E-09	2.26E-11	1.29E-10	1.54E-11	1.67E-10	2.05E-11	6.76E-11	4.66E-12	9.28E-11
7169	468980.18	3820373.74	2.37E-10	9.96E-10	8.97E-11	1.32E-09	1.98E-10	7.32E-10	6.44E-11	9.94E-10	2.24E-11	1.28E-10	1.53E-11	1.66E-10	2.04E-11	6.72E-11	4.63E-12	9.22E-11
7170	468976.64	3820364.73	2.36E-10	9.89E-10	8.91E-11	1.31E-09	1.96E-10	7.27E-10	6.40E-11	9.87E-10	2.22E-11	1.27E-10	1.52E-11	1.65E-10	2.02E-11	6.67E-11	4.60E-12	9.15E-11
7171	468973.1	3820355.71	2.34E-10	9.82E-10	8.84E-11	1.30E-09	1.95E-10	7.22E-10	6.35E-11	9.80E-10	2.21E-11	1.26E-10	1.51E-11	1.64E-10	2.01E-11	6.62E-11	4.56E-12	9.08E-11
7172	468969.56	3820346.7	2.32E-10	9.75E-10	8.78E-11	1.29E-09	1.93E-10	7.16E-10	6.30E-11	9.72E-10	2.19E-11	1.25E-10	1.50E-11	1.62E-10	1.99E-11	6.57E-11	4.53E-12	9.01E-11
7173	468966.02	3820337.69	2.3E-10	9.67E-10	8.71E-11	1.28E-09	1.92E-10	7.11E-10	6.25E-11	9.65E-10	2.17E-11	1.24E-10	1.49E-11	1.61E-10	1.98E-11	6.52E-11	4.49E-12	8.94E-11
7174	468962.48	3820328.68	2.28E-10	9.59E-10	8.64E-11	1.27E-09	1.90E-10	7.05E-10	6.20E-11	9.57E-10	2.16E-11	1.23E-10	1.47E-11	1.60E-10	1.96E-11	6.46E-11	4.46E-12	8.87E-11
7175	468958.94	3820319.66	2.26E-10	9.51E-10	8.56E-11	1.26E-09	1.89E-10	6.98E-10	6.14E-11	9.48E-10	2.14E-11	1.22E-10	1.46E-11	1.58E-10	1.94E-11	6.41E-11	4.42E-12	8.79E-11
7176	468955.4	3820310.65	2.24E-10	9.42E-10	8.48E-11	1.25E-09	1.87E-10	6.92E-10	6.09E-11	9.40E-10	2.12E-11	1.21E-10	1.45E-11	1.57E-10	1.93E-11	6.35E-11	4.38E-12	8.71E-11
7177	468951.87	3820301.64	2.22E-10	9.33E-10	8.41E-11	1.24E-09	1.85E-10	6.86E-10	6.03E-11	9.31E-10	2.10E-11	1.20E-10	1.43E-11	1.55E-10	1.91E-11	6.29E-11	4.34E-12	8.63E-11
7178	468948.33	3820292.62	2.2E-10	9.24E-10	8.33E-11	1.23E-09	1.83E-10	6.79E-10	5.98E-11	9.22E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.23E-11	4.30E-12	8.55E-11
7179	468944.79	3820283.61	2.18E-10	9.15E-10	8.24E-11	1.22E-09	1.82E-10	6.73E-10	5.92E-11	9.13E-10	2.06E-11	1.18E-10	1.41E-11	1.52E-10	1.87E-11	6.17E-11	4.25E-12	8.47E-11
7180	468941.25	3820274.6	2.16E-10	9.06E-10	8.16E-11	1.20E-09	1.80E-10	6.66E-10	5.86E-11	9.04E-10	2.04E-11	1.17E-10	1.39E-11	1.51E-10	1.85E-11	6.11E-11	4.21E-12	8.38E-11
7181	468937.71	3820265.59	2.13E-10	8.96E-10	8.07E-11	1.19E-09	1.78E-10	6.59E-10	5.79E-11	8.94E-10	2.02E-11	1.15E-10	1.38E-11	1.49E-10	1.83E-11	6.04E-11	4.16E-12	8.29E-11
7182	468934.17	3820256.57	2.11E-10	8.87E-10	7.98E-11	1.18E-09	1.76E-10	6.52E-10	5.73E-11	8.85E-10	1.99E-11	1.14E-10	1.36E-11	1.48E-10	1.81E-11	5.98E-11	4.12E-12	8.20E-11
7183	468930.63	3820247.56	2.09E-10	8.77E-10	7.90E-11	1.16E-09	1.74E-10	6.44E-10	5.67E-11	8.75E-10	1.97E-11	1.13E-10	1.35E-11	1.46E-10	1.79E-11	5.91E-11	4.07E-12	8.11E-11
7184	468927.09	3820238.55	2.06E-10	8.67E-10	7.80E-11	1.15E-09	1.72E-10	6.37E-10	5.60E-11	8.65E-10	1.95E-11	1.12E-10	1.33E-11	1.44E-10	1.77E-11	5.84E-11	4.03E-12	8.01E-11
7185	468923.55	3820229.53	2.04E-10	8.56E-10	7.71E-11	1.14E-09	1.70E-10	6.29E-10	5.53E-11	8.54E-10	1.93E-11	1.10E-10	1.31E-11	1.43E-10	1.75E-11	5.77E-11	3.98E-12	7.92E-11
7186	468920.01	3820220.52	2.01E-10	8.46E-10	7.62E-11	1.12E-09	1.68E-10	6.21E-10	5.47E-11	8.44E-10	1.90E-11	1.09E-10	1.30E-11	1.41E-10	1.73E-11	5.70E-11	3.93E-12	7.82E-11
7187	468916.47	3820211.51	1.99E-10	8.35E-10	7.52E-11	1.11E-09	1.66E-10	6.14E-10	5.40E-11	8.33E-10	1.88E-11	1.08E-10	1.28E-11	1.39E-10	1.71E-11	5.63E-11	3.88E-12	7.73E-11
7188	468912.93	3820202.5	1.96E-10	8.24E-10	7.42E-11	1.09E-09	1.63E-10	6.06E-10	5.33E-11	8.22E-10	1.85E-11	1.06E-10	1.27E-11	1.37E-10	1.69E-11	5.56E-11	3.83E-12	7.62E-11
7189	468909.39	3820193.48	1.94E-10	8.14E-10	7.33E-11	1.08E-09	1.61E-10	5.98E-10	5.26E-11	8.12E-10	1.83E-11	1.05E-10	1.25E-11	1.36E-10	1.66E-11	5.48E-11	3.78E-12	7.52E-11
7190	468905.85	3820184.47	1.91E-10	8.02E-10	7.23E-11	1.07E-09	1.59E-10	5.90E-10	5.19E-11	8.01E-10	1.80E-11	1.03E-10	1.23E-11	1.34E-10	1.64E-11	5.41E-11	3.73E-12	7.42E-11
7191	468902.31	3820175.46	1.88E-10	7.91E-10	7.13E-11	1.05E-09	1.57E-10	5.82E-10	5.12E-11	7.90E-10	1.78E-11	1.02E-10	1.22E-11	1.32E-10	1.62E-11	5.33E-11	3.68E-12	7.32E-11
7192	468898.77	3820166.44	1.86E-10	7.80E-10	7.02E-11	1.04E-09	1.55E-10	5.73E-10	5.04E-11	7.78E-10	1.75E-11	1.00E-10	1.20E-11	1.30E-10	1.59E-11	5.26E-11	3.62E-12	7.21E-11
7193	468895.23	3820157.43	1.83E-10	7.69E-10	6.92E-11	1.02E-09	1.52E-10	5.65E-10	4.97E-11	7.67E-10	1.73E-11	9.90E-11	1.18E-11	1.28E-10	1.57E-11	5.18E-11	3.57E-12	7.11E-11
7194	468891.7	3820148.42	1.8E-10	7.57E-10	6.82E-11	1.01E-09	1.50E-10	5.56E-10	4.89E-11	7.55E-10	1.70E-11	9.74E-11	1.16E-11	1.26E-10	1.55E-11	5.10E-11	3.52E-12	7.00E-11
7195	468888.16	3820139.41	1.77E-10	7.45E-10	6.71E-11	9.89E-10	1.48E-10	5.47E-10	4.82E-11	7.43E-10	1.68E-11	9.59E-11	1.14E-11	1.24E-10	1.52E-11	5.02E-11	3.46E-12	6.89E-11
7196	468884.62	3820130.39	1.75E-10	7.33E-10	6.60E-11	9.74E-10	1.45E-10	5.39E-10	4.74E-11	7.32E-10	1.65E-11	9.44E-11	1.13E-11	1.22E-10	1.50E-11	4.94E-11	3.41E-12	6.78E-11

7197	468881.08	3820121.38	1.72E-10	7.22E-10	6.50E-11	9.59E-10	1.43E-10	5.30E-10	4.67E-11	7.20E-10	1.62E-11	9.29E-11	1.11E-11	1.20E-10	1.48E-11	4.86E-11	3.35E-12	6.68E-11
7198	468877.54	3820112.37	1.69E-10	7.10E-10	6.39E-11	9.43E-10	1.41E-10	5.22E-10	4.59E-11	7.08E-10	1.60E-11	9.14E-11	1.09E-11	1.18E-10	1.45E-11	4.79E-11	3.30E-12	6.57E-11
7199	468874	3820103.35	1.66E-10	6.98E-10	6.29E-11	9.27E-10	1.38E-10	5.13E-10	4.51E-11	6.96E-10	1.57E-11	8.99E-11	1.07E-11	1.16E-10	1.43E-11	4.70E-11	3.24E-12	6.46E-11
7200	468870.46	3820094.34	1.63E-10	6.86E-10	6.18E-11	9.11E-10	1.36E-10	5.04E-10	4.44E-11	6.85E-10	1.54E-11	8.83E-11	1.05E-11	1.14E-10	1.40E-11	4.63E-11	3.19E-12	6.35E-11
7201	468866.92	3820085.33	1.61E-10	6.75E-10	6.07E-11	8.96E-10	1.34E-10	4.96E-10	4.36E-11	6.73E-10	1.52E-11	8.68E-11	1.04E-11	1.12E-10	1.38E-11	4.55E-11	3.13E-12	6.24E-11
7202	468863.38	3820076.31	1.58E-10	6.63E-10	5.97E-11	8.80E-10	1.31E-10	4.87E-10	4.28E-11	6.61E-10	1.49E-11	8.53E-11	1.02E-11	1.10E-10	1.35E-11	4.47E-11	3.08E-12	6.13E-11
7203	468859.84	3820067.3	1.55E-10	6.51E-10	5.86E-11	8.64E-10	1.29E-10	4.78E-10	4.21E-11	6.49E-10	1.46E-11	8.38E-11	1.00E-11	1.08E-10	1.33E-11	4.39E-11	3.02E-12	6.02E-11
7204	468856.3	3820058.29	1.52E-10	6.39E-10	5.75E-11	8.49E-10	1.27E-10	4.70E-10	4.13E-11	6.38E-10	1.44E-11	8.23E-11	9.81E-12	1.06E-10	1.31E-11	4.31E-11	2.97E-12	5.91E-11
7205	468852.76	3820049.28	1.49E-10	6.27E-10	5.65E-11	8.33E-10	1.24E-10	4.61E-10	4.05E-11	6.26E-10	1.41E-11	8.07E-11	9.63E-12	1.04E-10	1.28E-11	4.23E-11	2.91E-12	5.80E-11
7206	468849.22	3820040.26	1.47E-10	6.15E-10	5.54E-11	8.17E-10	1.22E-10	4.52E-10	3.98E-11	6.14E-10	1.38E-11	7.92E-11	9.45E-12	1.02E-10	1.26E-11	4.15E-11	2.86E-12	5.69E-11
7207	468845.68	3820031.25	1.44E-10	6.04E-10	5.44E-11	8.02E-10	1.20E-10	4.43E-10	3.90E-11	6.02E-10	1.36E-11	7.77E-11	9.27E-12	1.01E-10	1.23E-11	4.07E-11	2.80E-12	5.58E-11
7208	468835.06	3820004.21	1.35E-10	5.68E-10	5.11E-11	7.54E-10	1.13E-10	4.17E-10	3.67E-11	5.67E-10	1.28E-11	7.31E-11	8.72E-12	9.46E-11	1.16E-11	3.83E-11	2.64E-12	5.25E-11
7209	468831.52	3819995.2	1.32E-10	5.56E-10	5.01E-11	7.39E-10	1.10E-10	4.09E-10	3.59E-11	5.55E-10	1.25E-11	7.16E-11	8.54E-12	9.26E-11	1.14E-11	3.75E-11	2.58E-12	5.14E-11
7210	468827.99	3819986.19	1.3E-10	5.44E-10	4.90E-11	7.23E-10	1.08E-10	4.00E-10	3.52E-11	5.43E-10	1.22E-11	7.01E-11	8.36E-12	9.07E-11	1.11E-11	3.67E-11	2.53E-12	5.03E-11
7211	468824.45	3819977.17	1.27E-10	5.33E-10	4.80E-11	7.08E-10	1.06E-10	3.92E-10	3.45E-11	5.32E-10	1.20E-11	6.86E-11	8.19E-12	8.88E-11	1.09E-11	3.59E-11	2.48E-12	4.93E-11
7212	468820.91	3819968.16	1.24E-10	5.22E-10	4.70E-11	6.93E-10	1.03E-10	3.83E-10	3.37E-11	5.20E-10	1.17E-11	6.71E-11	8.01E-12	8.69E-11	1.07E-11	3.52E-11	2.42E-12	4.82E-11
7213	468817.37	3819959.15	1.22E-10	5.11E-10	4.60E-11	6.78E-10	1.01E-10	3.75E-10	3.30E-11	5.10E-10	1.15E-11	6.57E-11	7.84E-12	8.51E-11	1.04E-11	3.44E-11	2.37E-12	4.72E-11
7214	468813.83	3819950.13	1.19E-10	4.99E-10	4.50E-11	6.63E-10	9.91E-11	3.67E-10	3.23E-11	4.98E-10	1.12E-11	6.43E-11	7.67E-12	8.32E-11	1.02E-11	3.37E-11	2.32E-12	4.62E-11
7215	468810.29	3819941.12	1.16E-10	4.88E-10	4.40E-11	6.49E-10	9.69E-11	3.59E-10	3.16E-11	4.87E-10	1.10E-11	6.29E-11	7.50E-12	8.14E-11	9.98E-12	3.29E-11	2.27E-12	4.52E-11
7216	468806.75	3819932.11	1.14E-10	4.78E-10	4.30E-11	6.35E-10	9.48E-11	3.51E-10	3.09E-11	4.77E-10	1.07E-11	6.15E-11	7.34E-12	7.96E-11	9.77E-12	3.22E-11	2.22E-12	4.42E-11
7217	468803.21	3819923.1	1.11E-10	4.67E-10	4.21E-11	6.20E-10	9.26E-11	3.43E-10	3.02E-11	4.66E-10	1.05E-11	6.01E-11	7.17E-12	7.78E-11	9.55E-12	3.15E-11	2.17E-12	4.32E-11
7218	468799.67	3819914.08	1.09E-10	4.57E-10	4.11E-11	6.06E-10	9.06E-11	3.36E-10	2.95E-11	4.56E-10	1.03E-11	5.88E-11	7.01E-12	7.61E-11	9.33E-12	3.08E-11	2.12E-12	4.22E-11
7219	468796.13	3819905.07	1.06E-10	4.46E-10	4.02E-11	5.93E-10	8.85E-11	3.28E-10	2.88E-11	4.45E-10	1.00E-11	5.74E-11	6.85E-12	7.43E-11	9.12E-12	3.01E-11	2.07E-12	4.13E-11
7220	468792.59	3819896.06	1.04E-10	4.36E-10	3.93E-11	5.79E-10	8.65E-11	3.20E-10	2.82E-11	4.35E-10	9.80E-12	5.61E-11	6.70E-12	7.26E-11	8.91E-12	2.94E-11	2.03E-12	4.03E-11
7221	468789.05	3819887.04	1.01E-10	4.26E-10	3.84E-11	5.66E-10	8.45E-11	3.13E-10	2.75E-11	4.25E-10	9.58E-12	5.49E-11	6.54E-12	7.10E-11	8.71E-12	2.87E-11	1.98E-12	3.94E-11
7222	468785.51	3819878.03	9.9E-11	4.16E-10	3.75E-11	5.52E-10	8.25E-11	3.06E-10	2.69E-11	4.15E-10	9.35E-12	5.35E-11	6.39E-12	6.93E-11	8.50E-12	2.80E-11	1.93E-12	3.85E-11
7223	468781.97	3819869.02	9.67E-11	4.06E-10	3.66E-11	5.39E-10	8.05E-11	2.98E-10	2.62E-11	4.05E-10	9.13E-12	5.23E-11	6.24E-12	6.76E-11	8.30E-12	2.74E-11	1.89E-12	3.76E-11
7224	468778.43	3819860	9.44E-11	3.96E-10	3.57E-11	5.26E-10	7.86E-11	2.91E-10	2.56E-11	3.95E-10	8.91E-12	5.10E-11	6.09E-12	6.60E-11	8.10E-12	2.67E-11	1.84E-12	3.67E-11
7225	468774.89	3819850.99	9.21E-11	3.87E-10	3.48E-11	5.14E-10	7.67E-11	2.84E-10	2.50E-11	3.86E-10	8.70E-12	4.98E-11	5.94E-12	6.44E-11	7.90E-12	2.61E-11	1.80E-12	3.58E-11
7226	468771.35	3819841.98	9E-11	3.78E-10	3.40E-11	5.02E-10	7.49E-11	2.78E-10	2.44E-11	3.77E-10	8.50E-12	4.86E-11	5.80E-12	6.29E-11	7.72E-12	2.55E-11	1.76E-12	3.49E-11
7227	468767.81	3819832.97	8.78E-11	3.69E-10	3.32E-11	4.90E-10	7.31E-11	2.71E-10	2.38E-11	3.68E-10	8.29E-12	4.75E-11	5.66E-12	6.14E-11	7.54E-12	2.49E-11	1.71E-12	3.41E-11
7228	468764.28	3819823.95	8.57E-11	3.60E-10	3.24E-11	4.78E-10	7.14E-11	2.65E-10	2.33E-11	3.59E-10	8.10E-12	4.64E-11	5.53E-12	6.00E-11	7.36E-12	2.43E-11	1.67E-12	3.33E-11
7229	468760.74	3819814.94	8.37E-11	3.51E-10	3.17E-11	4.67E-10	6.97E-11	2.58E-10	2.27E-11	3.51E-10	7.90E-12	4.52E-11	5.40E-12	5.85E-11	7.18E-12	2.37E-11	1.63E-12	3.25E-11
7230	468757.2	3819805.93	8.17E-11	3.43E-10	3.09E-11	4.56E-10	6.81E-11	2.52E-10	2.22E-11	3.42E-10	7.72E-12	4.42E-11	5.27E-12	5.72E-11	7.01E-12	2.31E-11	1.59E-12	3.17E-11
7231	468753.66	3819796.91	7.98E-11	3.35E-10	3.02E-11	4.45E-10	6.65E-11	2.46E-10	2.17E-11	3.34E-10	7.53E-12	4.31E-11	5.15E-12	5.58E-11	6.85E-12	2.26E-11	1.56E-12	3.10E-11
7232	468750.12	3819787.9	7.79E-11	3.27E-10	2.94E-11	4.34E-10	6.48E-11	2.40E-10	2.11E-11	3.26E-10	7.35E-12	4.21E-11	5.02E-12	5.45E-11	6.68E-12	2.20E-11	1.52E-12	3.02E-11
7233	468746.58	3819778.89	7.6E-11	3.19E-10	2.87E-11	4.24E-10	6.33E-11	2.34E-10	2.06E-11	3.18E-10	7.18E-12	4.11E-11	4.90E-12	5.32E-11	6.52E-12	2.15E-11	1.48E-12	2.95E-11
7234	468743.04	3819769.88	7.41E-11	3.11E-10	2.80E-11	4.13E-10	6.17E-11	2.29E-10	2.01E-11	3.11E-10	7.00E-12	4.01E-11	4.78E-12	5.19E-11	6.36E-12	2.10E-11	1.45E-12	2.88E-11
7235	468739.5	3819760.86	7.24E-11	3.04E-10	2.74E-11	4.04E-10	6.03E-11	2.23E-10	1.96E-11	3.03E-10	6.84E-12	3.91E-11	4.67E-12	5.06E-11	6.21E-12	2.05E-11	1.41E-12	2.81E-11
7236	468735.96	3819751.85	7.07E-11	2.97E-10	2.67E-11	3.94E-10	5.89E-11	2.18E-10	1.92E-11	2.96E-10	6.68E-12	3.82E-11	4.56E-12	4.95E-11	6.07E-12	2.00E-11	1.38E-12	2.75E-11
7237	468732.42	3819742.84	6.9E-11	2.90E-10	2.61E-11	3.85E-10	5.75E-11	2.13E-10	1.87E-11	2.89E-10	6.52E-12	3.73E-11	4.45E-12	4.83E-11	5.93E-12	1.95E-11	1.35E-12	2.68E-11
7238	468728.88	3819733.82	6.74E-11	2.83E-10	2.55E-11	3.76E-10	5.62E-11	2.08E-10	1.83E-11	2.82E-10	6.37E-12	3.64E-11	4.35E-12	4.72E-11	5.79E-12	1.91E-11	1.32E-12	2.62E-11
7239	468725.34	3819724.81	6.59E-11	2.77E-10	2.49E-11	3.68E-10	5.49E-11	2.03E-10	1.79E-11	2.76E-10	6.23E-12	3.56E-11	4.25E-12	4.61E-11	5.66E-12	1.87E-11	1.29E-12	2.56E-11
7240	468721.8	3819715.8	6.44E-11	2.70E-10	2.43E-11	3.59E-10	5.36E-11	1.99E-10	1.75E-11	2.70E-10	6.08E-12	3.48E-11	4.15E-12	4.50E-11	5.53E-12	1.82E-11	1.26E-12	2.50E-11
7241	468718.26	3819706.79	6.29E-11	2.64E-10	2.38E-11	3.51E-10	5.24E-11	1.94E-10	1.71E-11	2.64E-10	5.94E-12	3.40E-11	4.06E-12	4.40E-11	5.40E-12	1.78E-11	1.23E-12	2.44E-11
7242	468714.72	3819697.77	6.15E-11	2.58E-10	2.33E-11	3.43E-10	5.12E-11	1.90E-10	1.67E-11	2.58E-10	5.81E-12	3.33E-11	3.97E-12	4.30E-11	5.28E-12	1.74E-11	1.20E-12	2.39E-11
7243	468711.18	3819688.76	6.01E-11	2.52E-10	2.27E-11	3.35E-10	5.00E-11	1.85E-10	1.63E-11	2.52E-10	5.67E-12	3.25E-11	3.88E-12	4.20E-11	5.16E-12	1.70E-11	1.17E-12	2.33E-11
7244	468707.64	3819679.75	5.87E-11	2.47E-10	2.22E-11	3.28E-10	4.89E-11	1.81E-10	1.59E-11	2.46E-10	5.54E-12	3.17E-11	3.79E-12	4.11E-11	5.04E-12	1.66E-11	1.15E-12	2.28E-11
7245	468704.1	3819670.73	5.75E-11	2.41E-10	2.17E-11	3.21E-10	4.79E-11	1.77E-10	1.56E-11	2.41E-10	5.43E-12	3.11E-11	3.71E-12	4.02E-11	4.93E-12	1.63E-11	1.12E-12	2.23E-11
7246	468700.57	3819661.72	5.62E-11	2.36E-10	2.13E-11	3.14E-10	4.68E-11	1.74E-10	1.53E-11	2.36E-10	5.31E-12	3.04E-11	3.63E-12	3.93E-11	4.83E-12	1.59E-11	1.10E-12	2.18E-11

7247	468697.03	3819652.71	5.5E-11	2.31E-10	2.08E-11	3.07E-10	4.59E-11	1.70E-10	1.49E-11	2.31E-10	5.20E-12	2.98E-11	3.55E-12	3.85E-11	4.73E-12	1.56E-11	1.07E-12	2.14E-11
7248	468693.49	3819643.69	4.92E-11	2.07E-10	1.86E-11	2.74E-10	4.10E-11	1.52E-10	1.34E-11	2.06E-10	4.65E-12	2.66E-11	3.17E-12	3.44E-11	4.22E-12	1.39E-11	9.60E-13	1.91E-11
7249	468689.95	3819634.68	4.8E-11	2.01E-10	1.81E-11	2.68E-10	4.00E-11	1.48E-10	1.30E-11	2.01E-10	4.53E-12	2.59E-11	3.09E-12	3.36E-11	4.12E-12	1.36E-11	9.36E-13	1.86E-11
7250	468686.41	3819625.67	4.68E-11	1.96E-10	1.77E-11	2.61E-10	3.90E-11	1.44E-10	1.27E-11	1.96E-10	4.42E-12	2.53E-11	3.02E-12	3.27E-11	4.02E-12	1.32E-11	9.13E-13	1.82E-11
7251	468682.87	3819616.66	4.57E-11	1.92E-10	1.73E-11	2.55E-10	3.81E-11	1.41E-10	1.24E-11	1.92E-10	4.32E-12	2.47E-11	2.95E-12	3.20E-11	3.93E-12	1.29E-11	8.92E-13	1.78E-11
7252	468679.33	3819607.64	4.49E-11	1.89E-10	1.70E-11	2.51E-10	3.74E-11	1.39E-10	1.22E-11	1.88E-10	4.24E-12	2.43E-11	2.90E-12	3.14E-11	3.86E-12	1.27E-11	8.77E-13	1.74E-11
7253	468675.79	3819598.63	4.42E-11	1.86E-10	1.67E-11	2.46E-10	3.68E-11	1.36E-10	1.20E-11	1.85E-10	4.17E-12	2.39E-11	2.85E-12	3.09E-11	3.79E-12	1.25E-11	8.62E-13	1.72E-11
7254	468672.25	3819589.62	4.35E-11	1.83E-10	1.64E-11	2.43E-10	3.62E-11	1.34E-10	1.18E-11	1.82E-10	4.11E-12	2.35E-11	2.81E-12	3.04E-11	3.73E-12	1.23E-11	8.49E-13	1.69E-11
7255	468668.71	3819580.6	4.27E-11	1.80E-10	1.62E-11	2.38E-10	3.56E-11	1.32E-10	1.16E-11	1.79E-10	4.04E-12	2.31E-11	2.76E-12	2.99E-11	3.67E-12	1.21E-11	8.34E-13	1.66E-11
7256	468665.17	3819571.59	4.19E-11	1.76E-10	1.59E-11	2.34E-10	3.49E-11	1.29E-10	1.14E-11	1.76E-10	3.96E-12	2.27E-11	2.71E-12	2.93E-11	3.60E-12	1.19E-11	8.18E-13	1.63E-11
7257	468661.63	3819562.58	4.13E-11	1.73E-10	1.56E-11	2.30E-10	3.44E-11	1.27E-10	1.12E-11	1.73E-10	3.90E-12	2.23E-11	2.66E-12	2.89E-11	3.54E-12	1.17E-11	8.05E-13	1.60E-11
7258	468658.09	3819553.57	4.07E-11	1.71E-10	1.54E-11	2.27E-10	3.39E-11	1.26E-10	1.10E-11	1.71E-10	3.84E-12	2.20E-11	2.62E-12	2.85E-11	3.49E-12	1.15E-11	7.94E-13	1.58E-11
7259	468654.55	3819544.55	4.02E-11	1.69E-10	1.52E-11	2.24E-10	3.35E-11	1.24E-10	1.09E-11	1.68E-10	3.80E-12	2.17E-11	2.59E-12	2.81E-11	3.45E-12	1.14E-11	7.84E-13	1.56E-11
7260	468651.01	3819535.54	3.98E-11	1.67E-10	1.51E-11	2.22E-10	3.32E-11	1.23E-10	1.08E-11	1.67E-10	3.76E-12	2.15E-11	2.57E-12	2.79E-11	3.42E-12	1.13E-11	7.77E-13	1.55E-11
7261	468647.47	3819526.53	3.95E-11	1.66E-10	1.49E-11	2.20E-10	3.29E-11	1.22E-10	1.07E-11	1.65E-10	3.73E-12	2.13E-11	2.54E-12	2.76E-11	3.39E-12	1.12E-11	7.70E-13	1.53E-11
7262	468643.93	3819517.51	3.9E-11	1.64E-10	1.48E-11	2.18E-10	3.25E-11	1.20E-10	1.06E-11	1.63E-10	3.68E-12	2.11E-11	2.52E-12	2.73E-11	3.35E-12	1.10E-11	7.61E-13	1.52E-11
7263	468640.39	3819508.5	3.86E-11	1.62E-10	1.46E-11	2.16E-10	3.22E-11	1.19E-10	1.05E-11	1.62E-10	3.65E-12	2.09E-11	2.49E-12	2.70E-11	3.32E-12	1.09E-11	7.54E-13	1.50E-11
7264	468636.86	3819499.49	3.83E-11	1.61E-10	1.45E-11	2.13E-10	3.19E-11	1.18E-10	1.04E-11	1.60E-10	3.61E-12	2.07E-11	2.47E-12	2.68E-11	3.29E-12	1.08E-11	7.47E-13	1.49E-11
7265	468633.32	3819490.48	3.8E-11	1.59E-10	1.44E-11	2.12E-10	3.16E-11	1.17E-10	1.03E-11	1.59E-10	3.58E-12	2.05E-11	2.45E-12	2.66E-11	3.26E-12	1.07E-11	7.41E-13	1.47E-11
7266	468629.78	3819481.46	3.77E-11	1.58E-10	1.43E-11	2.10E-10	3.14E-11	1.16E-10	1.02E-11	1.58E-10	3.56E-12	2.04E-11	2.43E-12	2.64E-11	3.24E-12	1.07E-11	7.36E-13	1.46E-11
7267	468626.24	3819472.45	3.75E-11	1.57E-10	1.42E-11	2.09E-10	3.12E-11	1.16E-10	1.02E-11	1.57E-10	3.54E-12	2.03E-11	2.42E-12	2.62E-11	3.22E-12	1.06E-11	7.31E-13	1.46E-11
7268	468622.7	3819463.44	3.73E-11	1.57E-10	1.41E-11	2.08E-10	3.11E-11	1.15E-10	1.01E-11	1.56E-10	3.52E-12	2.02E-11	2.40E-12	2.61E-11	3.20E-12	1.06E-11	7.27E-13	1.45E-11
7269	468619.16	3819454.42	3.71E-11	1.56E-10	1.40E-11	2.07E-10	3.09E-11	1.14E-10	1.01E-11	1.55E-10	3.50E-12	2.01E-11	2.39E-12	2.59E-11	3.18E-12	1.05E-11	7.24E-13	1.44E-11
7270	468615.62	3819445.41	3.69E-11	1.55E-10	1.40E-11	2.06E-10	3.07E-11	1.14E-10	1.00E-11	1.55E-10	3.49E-12	2.00E-11	2.38E-12	2.58E-11	3.17E-12	1.04E-11	7.20E-13	1.43E-11
7271	468612.08	3819436.4	3.67E-11	1.54E-10	1.39E-11	2.05E-10	3.06E-11	1.13E-10	9.97E-12	1.54E-10	3.47E-12	1.99E-11	2.37E-12	2.57E-11	3.15E-12	1.04E-11	7.17E-13	1.43E-11
7272	468608.54	3819427.39	3.65E-11	1.53E-10	1.38E-11	2.03E-10	3.04E-11	1.13E-10	9.90E-12	1.53E-10	3.44E-12	1.97E-11	2.35E-12	2.55E-11	3.13E-12	1.03E-11	7.12E-13	1.42E-11
7273	470083.82	3820948.25	4.12E-10	1.73E-09	1.56E-10	2.30E-09	3.43E-10	1.27E-09	1.12E-10	1.73E-09	3.89E-11	2.23E-10	2.66E-11	2.88E-10	3.54E-11	1.17E-10	8.04E-12	1.60E-10
7274	470093.52	3820948.39	4.1E-10	1.72E-09	1.55E-10	2.28E-09	3.41E-10	1.26E-09	1.11E-10	1.72E-09	3.87E-11	2.21E-10	2.64E-11	2.87E-10	3.52E-11	1.16E-10	7.99E-12	1.59E-10
7275	470103.21	3820948.52	4.07E-10	1.71E-09	1.54E-10	2.27E-09	3.39E-10	1.26E-09	1.10E-10	1.71E-09	3.84E-11	2.20E-10	2.62E-11	2.85E-10	3.49E-11	1.15E-10	7.94E-12	1.58E-10
7276	470112.91	3820948.66	4.04E-10	1.70E-09	1.53E-10	2.25E-09	3.37E-10	1.25E-09	1.10E-10	1.69E-09	3.82E-11	2.18E-10	2.61E-11	2.83E-10	3.47E-11	1.14E-10	7.88E-12	1.57E-10
7277	470122.61	3820948.79	4.01E-10	1.68E-09	1.52E-10	2.24E-09	3.34E-10	1.24E-09	1.09E-10	1.68E-09	3.79E-11	2.17E-10	2.59E-11	2.81E-10	3.44E-11	1.14E-10	7.83E-12	1.56E-10
7278	470132.31	3820948.93	3.98E-10	1.67E-09	1.51E-10	2.22E-09	3.32E-10	1.23E-09	1.08E-10	1.67E-09	3.76E-11	2.15E-10	2.57E-11	2.79E-10	3.42E-11	1.13E-10	7.77E-12	1.55E-10
7279	470142	3820949.06	3.95E-10	1.66E-09	1.49E-10	2.20E-09	3.29E-10	1.22E-09	1.07E-10	1.66E-09	3.73E-11	2.14E-10	2.55E-11	2.76E-10	3.39E-11	1.12E-10	7.71E-12	1.54E-10
7280	470151.7	3820949.2	3.92E-10	1.65E-09	1.48E-10	2.19E-09	3.27E-10	1.21E-09	1.06E-10	1.64E-09	3.70E-11	2.12E-10	2.53E-11	2.74E-10	3.37E-11	1.11E-10	7.65E-12	1.52E-10
7281	470161.4	3820949.33	3.89E-10	1.63E-09	1.47E-10	2.17E-09	3.24E-10	1.20E-09	1.06E-10	1.63E-09	3.67E-11	2.10E-10	2.51E-11	2.72E-10	3.34E-11	1.10E-10	7.59E-12	1.51E-10
7282	470171.09	3820949.47	3.86E-10	1.62E-09	1.46E-10	2.15E-09	3.21E-10	1.19E-09	1.05E-10	1.62E-09	3.64E-11	2.08E-10	2.49E-11	2.70E-10	3.31E-11	1.09E-10	7.52E-12	1.50E-10
7283	470180.79	3820949.6	3.82E-10	1.61E-09	1.45E-10	2.13E-09	3.19E-10	1.18E-09	1.04E-10	1.60E-09	3.61E-11	2.07E-10	2.47E-11	2.68E-10	3.28E-11	1.08E-10	7.46E-12	1.49E-10
7284	470190.49	3820949.74	3.79E-10	1.59E-09	1.43E-10	2.12E-09	3.16E-10	1.17E-09	1.03E-10	1.59E-09	3.58E-11	2.05E-10	2.45E-11	2.65E-10	3.26E-11	1.07E-10	7.40E-12	1.47E-10
7285	470200.19	3820949.87	3.76E-10	1.58E-09	1.42E-10	2.10E-09	3.13E-10	1.16E-09	1.02E-10	1.58E-09	3.55E-11	2.03E-10	2.43E-11	2.63E-10	3.23E-11	1.06E-10	7.34E-12	1.46E-10
7286	470209.88	3820950.01	3.73E-10	1.57E-09	1.41E-10	2.08E-09	3.11E-10	1.15E-09	1.01E-10	1.56E-09	3.52E-11	2.02E-10	2.41E-11	2.61E-10	3.20E-11	1.06E-10	7.28E-12	1.45E-10
7287	470219.58	3820950.14	3.7E-10	1.55E-09	1.40E-10	2.06E-09	3.08E-10	1.14E-09	1.00E-10	1.55E-09	3.49E-11	2.00E-10	2.39E-11	2.59E-10	3.18E-11	1.05E-10	7.22E-12	1.44E-10
7288	470229.28	3820950.28	3.67E-10	1.54E-09	1.39E-10	2.05E-09	3.06E-10	1.13E-09	9.96E-11	1.54E-09	3.46E-11	1.98E-10	2.37E-11	2.57E-10	3.15E-11	1.04E-10	7.16E-12	1.42E-10
7289	470238.98	3820950.41	3.64E-10	1.53E-09	1.38E-10	2.03E-09	3.03E-10	1.12E-09	9.87E-11	1.52E-09	3.43E-11	1.97E-10	2.35E-11	2.54E-10	3.12E-11	1.03E-10	7.10E-12	1.41E-10
7290	470248.67	3820950.55	3.61E-10	1.51E-09	1.36E-10	2.01E-09	3.00E-10	1.11E-09	9.79E-11	1.51E-09	3.41E-11	1.95E-10	2.33E-11	2.52E-10	3.10E-11	1.02E-10	7.04E-12	1.40E-10
7291	470258.37	3820950.68	3.58E-10	1.50E-09	1.35E-10	2.00E-09	2.98E-10	1.10E-09	9.71E-11	1.50E-09	3.38E-11	1.93E-10	2.31E-11	2.50E-10	3.07E-11	1.01E-10	6.98E-12	1.39E-10
7292	470306.24	3819458.15	2.55E-08	1.07E-07	9.65E-09	1.42E-07	2.13E-08	7.87E-08	6.93E-09	1.07E-07	2.41E-09	1.38E-08	1.65E-09	1.79E-08	2.19E-09	7.22E-09	4.98E-10	9.91E-09
7293	470309.33	3819441.44	2.9E-08	1.22E-07	1.10E-08	1.62E-07	2.42E-08	8.95E-08	7.88E-09	1.22E-07	2.74E-09	1.57E-08	1.87E-09	2.03E-08	2.49E-09	8.21E-09	5.66E-10	1.13E-08
7294	470309.41	3819431.79	3.16E-08	1.33E-07	1.20E-08	1.76E-07	2.63E-08	9.76E-08	8.58E-09	1.32E-07	2.99E-09	1.71E-08	2.04E-09	2.21E-08	2.71E-09	8.95E-09	6.17E-10	1.23E-08
7295	470309.5	3819422.14	3.4E-08	1.43E-07	1.29E-08	1.90E-07	2.83E-08	1.05E-07	9.23E-09	1.42E-07	3.21E-09	1.84E-08	2.19E-09	2.38E-08	2.92E-09	9.63E-09	6.64E-10	1.32E-08
7296	470309.58	3819412.49	3.6E-08	1.51E-07	1.36E-08	2.01E-07	3.00E-08	1.11E-07	9.78E-09	1.51E-07	3.40E-09	1.95E-08	2.32E-09	2.52E-08	3.09E-09	1.02E-08	7.03E-10	1.40E-08

7297	470309.66	3819402.85	3.76E-08	1.58E-07	1.42E-08	2.10E-07	3.13E-08	1.16E-07	1.02E-08	1.58E-07	3.55E-09	2.03E-08	2.43E-09	2.63E-08	3.23E-09	1.06E-08	7.34E-10	1.46E-08
7298	470309.75	3819393.2	3.88E-08	1.63E-07	1.47E-08	2.16E-07	3.23E-08	1.20E-07	1.05E-08	1.62E-07	3.66E-09	2.10E-08	2.50E-09	2.71E-08	3.33E-09	1.10E-08	7.57E-10	1.51E-08
7299	470309.83	3819383.55	3.96E-08	1.66E-07	1.50E-08	2.21E-07	3.30E-08	1.22E-07	1.07E-08	1.66E-07	3.74E-09	2.14E-08	2.55E-09	2.77E-08	3.40E-09	1.12E-08	7.72E-10	1.54E-08
7300	470309.91	3819373.9	4E-08	1.68E-07	1.51E-08	2.23E-07	3.33E-08	1.23E-07	1.09E-08	1.68E-07	3.78E-09	2.16E-08	2.58E-09	2.80E-08	3.44E-09	1.13E-08	7.81E-10	1.55E-08
7301	470309.99	3819364.25	4.01E-08	1.69E-07	1.52E-08	2.24E-07	3.34E-08	1.24E-07	1.09E-08	1.68E-07	3.79E-09	2.17E-08	2.59E-09	2.81E-08	3.44E-09	1.14E-08	7.83E-10	1.56E-08
7302	470310.08	3819354.61	4E-08	1.68E-07	1.51E-08	2.23E-07	3.33E-08	1.23E-07	1.08E-08	1.67E-07	3.77E-09	2.16E-08	2.58E-09	2.80E-08	3.43E-09	1.13E-08	7.80E-10	1.55E-08
7303	470310.16	3819344.96	3.96E-08	1.66E-07	1.50E-08	2.21E-07	3.30E-08	1.22E-07	1.07E-08	1.66E-07	3.74E-09	2.14E-08	2.55E-09	2.77E-08	3.40E-09	1.12E-08	7.72E-10	1.54E-08
7304	470310.24	3819335.31	3.9E-08	1.64E-07	1.47E-08	2.17E-07	3.25E-08	1.20E-07	1.06E-08	1.63E-07	3.68E-09	2.11E-08	2.51E-09	2.73E-08	3.35E-09	1.10E-08	7.60E-10	1.51E-08
7305	470310.32	3819325.66	3.81E-08	1.60E-07	1.44E-08	2.13E-07	3.18E-08	1.18E-07	1.03E-08	1.60E-07	3.60E-09	2.06E-08	2.46E-09	2.67E-08	3.27E-09	1.08E-08	7.44E-10	1.48E-08
7306	470310.41	3819316.01	3.7E-08	1.55E-07	1.40E-08	2.06E-07	3.08E-08	1.14E-07	1.00E-08	1.55E-07	3.49E-09	2.00E-08	2.39E-09	2.59E-08	3.18E-09	1.05E-08	7.22E-10	1.44E-08
7307	470310.49	3819306.36	3.56E-08	1.49E-07	1.35E-08	1.98E-07	2.96E-08	1.10E-07	9.66E-09	1.49E-07	3.36E-09	1.92E-08	2.30E-09	2.49E-08	3.05E-09	1.01E-08	6.94E-10	1.38E-08
7308	470310.57	3819296.72	3.39E-08	1.42E-07	1.28E-08	1.89E-07	2.82E-08	1.05E-07	9.19E-09	1.42E-07	3.20E-09	1.83E-08	2.18E-09	2.37E-08	2.91E-09	9.59E-09	6.61E-10	1.32E-08
7309	470310.66	3819287.07	3.18E-08	1.34E-07	1.20E-08	1.77E-07	2.65E-08	9.82E-08	8.64E-09	1.33E-07	3.00E-09	1.72E-08	2.05E-09	2.23E-08	2.73E-09	9.01E-09	6.21E-10	1.24E-08
7310	470310.74	3819277.42	2.94E-08	1.24E-07	1.11E-08	1.64E-07	2.45E-08	9.08E-08	7.99E-09	1.23E-07	2.78E-09	1.59E-08	1.90E-09	2.06E-08	2.53E-09	8.33E-09	5.74E-10	1.14E-08
7311	470310.82	3819267.77	2.67E-08	1.12E-07	1.01E-08	1.49E-07	2.22E-08	8.23E-08	7.24E-09	1.12E-07	2.52E-09	1.44E-08	1.72E-09	1.87E-08	2.29E-09	7.55E-09	5.21E-10	1.04E-08
7312	470310.9	3819258.12	2.36E-08	9.93E-08	8.94E-09	1.32E-07	1.97E-08	7.30E-08	6.42E-09	9.91E-08	2.23E-09	1.28E-08	1.53E-09	1.65E-08	2.03E-09	6.69E-09	4.61E-10	9.19E-09
7313	470310.99	3819248.48	2.05E-08	8.61E-08	7.76E-09	1.14E-07	1.71E-08	6.33E-08	5.57E-09	8.59E-08	1.94E-09	1.11E-08	1.32E-09	1.43E-08	1.76E-09	5.80E-09	4.00E-10	7.97E-09
7314	470316.24	3819458.24	2.25E-08	9.45E-08	8.51E-09	1.25E-07	1.87E-08	6.94E-08	6.11E-09	9.43E-08	2.12E-09	1.22E-08	1.45E-09	1.57E-08	1.93E-09	6.37E-09	4.39E-10	8.74E-09
7315	470310.22	3819472.37	2.1E-08	8.80E-08	7.93E-09	1.17E-07	1.75E-08	6.47E-08	5.69E-09	8.79E-08	1.98E-09	1.13E-08	1.35E-09	1.47E-08	1.80E-09	5.93E-09	4.09E-10	8.14E-09
7316	470319.33	3819441.52	2.51E-08	1.05E-07	9.49E-09	1.40E-07	2.09E-08	7.74E-08	6.81E-09	1.05E-07	2.37E-09	1.36E-08	1.62E-09	1.76E-08	2.15E-09	7.10E-09	4.90E-10	9.75E-09
7317	470319.41	3819431.88	2.7E-08	1.13E-07	1.02E-08	1.51E-07	2.25E-08	8.33E-08	7.33E-09	1.13E-07	2.55E-09	1.46E-08	1.74E-09	1.89E-08	2.32E-09	7.64E-09	5.27E-10	1.05E-08
7318	470319.5	3819422.23	2.87E-08	1.21E-07	1.09E-08	1.60E-07	2.39E-08	8.87E-08	7.80E-09	1.20E-07	2.71E-09	1.55E-08	1.85E-09	2.01E-08	2.47E-09	8.14E-09	5.61E-10	1.12E-08
7319	470319.58	3819412.58	3.02E-08	1.27E-07	1.14E-08	1.69E-07	2.52E-08	9.32E-08	8.20E-09	1.27E-07	2.85E-09	1.63E-08	1.95E-09	2.11E-08	2.59E-09	8.55E-09	5.90E-10	1.17E-08
7320	470319.66	3819402.93	3.14E-08	1.32E-07	1.19E-08	1.75E-07	2.62E-08	9.69E-08	8.52E-09	1.32E-07	2.96E-09	1.70E-08	2.03E-09	2.20E-08	2.70E-09	8.89E-09	6.13E-10	1.22E-08
7321	470319.74	3819393.28	3.23E-08	1.36E-07	1.22E-08	1.80E-07	2.69E-08	9.98E-08	8.78E-09	1.35E-07	3.05E-09	1.75E-08	2.09E-09	2.26E-08	2.78E-09	9.15E-09	6.31E-10	1.26E-08
7322	470319.83	3819383.64	3.29E-08	1.38E-07	1.25E-08	1.84E-07	2.74E-08	1.02E-07	8.94E-09	1.38E-07	3.11E-09	1.78E-08	2.12E-09	2.30E-08	2.83E-09	9.32E-09	6.43E-10	1.28E-08
7323	470319.91	3819373.99	3.33E-08	1.40E-07	1.26E-08	1.86E-07	2.77E-08	1.03E-07	9.03E-09	1.39E-07	3.14E-09	1.80E-08	2.15E-09	2.33E-08	2.86E-09	9.42E-09	6.49E-10	1.29E-08
7324	470319.99	3819364.34	3.33E-08	1.40E-07	1.26E-08	1.86E-07	2.77E-08	1.03E-07	9.04E-09	1.40E-07	3.15E-09	1.80E-08	2.15E-09	2.33E-08	2.86E-09	9.43E-09	6.50E-10	1.29E-08
7325	470320.08	3819354.69	3.31E-08	1.39E-07	1.25E-08	1.85E-07	2.76E-08	1.02E-07	8.99E-09	1.39E-07	3.13E-09	1.79E-08	2.14E-09	2.32E-08	2.84E-09	9.38E-09	6.46E-10	1.29E-08
7326	470320.16	3819345.04	3.27E-08	1.37E-07	1.24E-08	1.83E-07	2.73E-08	1.01E-07	8.89E-09	1.37E-07	3.09E-09	1.77E-08	2.11E-09	2.29E-08	2.81E-09	9.27E-09	6.39E-10	1.27E-08
7327	470320.24	3819335.39	3.21E-08	1.35E-07	1.22E-08	1.79E-07	2.68E-08	9.92E-08	8.73E-09	1.35E-07	3.04E-09	1.74E-08	2.07E-09	2.25E-08	2.76E-09	9.10E-09	6.27E-10	1.25E-08
7328	470320.32	3819325.75	3.14E-08	1.32E-07	1.19E-08	1.75E-07	2.61E-08	9.68E-08	8.51E-09	1.31E-07	2.96E-09	1.69E-08	2.02E-09	2.19E-08	2.69E-09	8.87E-09	6.12E-10	1.22E-08
7329	470320.41	3819316.1	3.03E-08	1.27E-07	1.15E-08	1.69E-07	2.53E-08	9.36E-08	8.24E-09	1.27E-07	2.87E-09	1.64E-08	1.96E-09	2.12E-08	2.60E-09	8.59E-09	5.92E-10	1.18E-08
7330	470320.49	3819306.45	2.91E-08	1.22E-07	1.10E-08	1.62E-07	2.42E-08	8.98E-08	7.90E-09	1.22E-07	2.75E-09	1.57E-08	1.88E-09	2.04E-08	2.50E-09	8.24E-09	5.68E-10	1.13E-08
7331	470320.57	3819296.8	2.77E-08	1.16E-07	1.05E-08	1.54E-07	2.30E-08	8.53E-08	7.51E-09	1.16E-07	2.61E-09	1.49E-08	1.78E-09	1.93E-08	2.37E-09	7.83E-09	5.40E-10	1.07E-08
7332	470320.65	3819287.15	2.59E-08	1.09E-07	9.81E-09	1.45E-07	2.16E-08	8.01E-08	7.04E-09	1.09E-07	2.45E-09	1.40E-08	1.67E-09	1.82E-08	2.23E-09	7.34E-09	5.06E-10	1.01E-08
7333	470320.74	3819277.51	2.4E-08	1.01E-07	9.08E-09	1.34E-07	2.00E-08	7.41E-08	6.52E-09	1.01E-07	2.27E-09	1.30E-08	1.55E-09	1.68E-08	2.06E-09	6.79E-09	4.68E-10	9.32E-09
7334	470320.82	3819267.86	2.18E-08	9.17E-08	8.26E-09	1.22E-07	1.82E-08	6.74E-08	5.93E-09	9.15E-08	2.06E-09	1.18E-08	1.41E-09	1.53E-08	1.87E-09	6.18E-09	4.26E-10	8.48E-09
7335	470320.9	3819258.21	1.95E-08	8.20E-08	7.38E-09	1.09E-07	1.63E-08	6.02E-08	5.30E-09	8.18E-08	1.84E-09	1.06E-08	1.26E-09	1.37E-08	1.68E-09	5.53E-09	3.81E-10	7.58E-09
7336	470320.99	3819248.56	1.72E-08	7.21E-08	6.49E-09	9.57E-08	1.43E-08	5.29E-08	4.66E-09	7.19E-08	1.62E-09	9.28E-09	1.11E-09	1.20E-08	1.47E-09	4.86E-09	3.35E-10	6.66E-09
7337	470325.49	3819460.09	1.99E-08	8.34E-08	7.51E-09	1.11E-07	1.65E-08	6.13E-08	5.39E-09	8.32E-08	1.88E-09	1.07E-08	1.28E-09	1.39E-08	1.70E-09	5.62E-09	3.87E-10	7.71E-09
7338	470321.73	3819468.92	1.91E-08	8.04E-08	7.24E-09	1.07E-07	1.59E-08	5.91E-08	5.20E-09	8.02E-08	1.81E-09	1.03E-08	1.23E-09	1.34E-08	1.64E-09	5.42E-09	3.73E-10	7.43E-09
7339	470317.97	3819477.75	1.83E-08	7.70E-08	6.93E-09	1.02E-07	1.53E-08	5.65E-08	4.97E-09	7.68E-08	1.73E-09	9.91E-09	1.18E-09	1.28E-08	1.57E-09	5.19E-09	3.58E-10	7.12E-09
7340	470305.29	3819490.14	1.84E-08	7.73E-08	6.96E-09	1.03E-07	1.53E-08	5.68E-08	5.00E-09	7.71E-08	1.74E-09	9.95E-09	1.19E-09	1.29E-08	1.58E-09	5.21E-09	3.59E-10	7.15E-09
7341	470329.25	3819451.26	2.04E-08	8.58E-08	7.73E-09	1.14E-07	1.70E-08	6.31E-08	5.55E-09	8.56E-08	1.93E-09	1.10E-08	1.32E-09	1.43E-08	1.75E-09	5.78E-09	3.99E-10	7.94E-09
7342	470329.33	3819441.61	2.2E-08	9.22E-08	8.30E-09	1.22E-07	1.83E-08	6.77E-08	5.96E-09	9.20E-08	2.07E-09	1.19E-08	1.42E-09	1.54E-08	1.88E-09	6.21E-09	4.28E-10	8.53E-09
7343	470329.41	3819431.96	2.34E-08	9.83E-08	8.86E-09	1.31E-07	1.95E-08	7.23E-08	6.36E-09	9.81E-08	2.21E-09	1.27E-08	1.51E-09	1.64E-08	2.01E-09	6.63E-09	4.57E-10	9.10E-09
7344	470329.5	3819422.31	2.47E-08	1.04E-07	9.36E-09	1.38E-07	2.06E-08	7.63E-08	6.72E-09	1.04E-07	2.34E-09	1.34E-08	1.60E-09	1.73E-08	2.12E-09	7.00E-09	4.83E-10	9.61E-09
7345	470329.58	3819412.67	2.59E-08	1.09E-07	9.78E-09	1.44E-07	2.15E-08	7.98E-08	7.02E-09	1.08E-07	2.44E-09	1.40E-08	1.67E-09	1.81E-08	2.22E-09	7.32E-09	5.05E-10	1.00E-08
7346	470329.66	3819403.02	2.68E-08	1.12E-07	1.01E-08	1.49E-07	2.23E-08	8.26E-08	7.27E-09	1.12E-07	2.53E-09	1.45E-08	1.73E-09	1.87E-08	2.30E-09	7.58E-09	5.22E-10	1.04E-08

7347	470329.74	3819393.37	2.75E-08	1.15E-07	1.04E-08	1.53E-07	2.29E-08	8.48E-08	7.46E-09	1.15E-07	2.59E-09	1.48E-08	1.77E-09	1.92E-08	2.36E-09	7.77E-09	5.36E-10	1.07E-08
7348	470329.83	3819383.72	2.79E-08	1.17E-07	1.06E-08	1.56E-07	2.33E-08	8.62E-08	7.58E-09	1.17E-07	2.64E-09	1.51E-08	1.80E-09	1.95E-08	2.40E-09	7.90E-09	5.45E-10	1.08E-08
7349	470329.91	3819374.07	2.82E-08	1.18E-07	1.06E-08	1.57E-07	2.34E-08	8.69E-08	7.64E-09	1.18E-07	2.66E-09	1.52E-08	1.82E-09	1.97E-08	2.42E-09	7.97E-09	5.49E-10	1.09E-08
7350	470329.99	3819364.43	2.82E-08	1.18E-07	1.07E-08	1.57E-07	2.35E-08	8.69E-08	7.65E-09	1.18E-07	2.66E-09	1.52E-08	1.82E-09	1.97E-08	2.42E-09	7.97E-09	5.50E-10	1.09E-08
7351	470330.08	3819354.78	2.8E-08	1.18E-07	1.06E-08	1.56E-07	2.33E-08	8.63E-08	7.60E-09	1.17E-07	2.64E-09	1.51E-08	1.80E-09	1.96E-08	2.40E-09	7.92E-09	5.46E-10	1.09E-08
7352	470330.16	3819345.13	2.76E-08	1.16E-07	1.04E-08	1.54E-07	2.30E-08	8.52E-08	7.50E-09	1.16E-07	2.61E-09	1.49E-08	1.78E-09	1.93E-08	2.37E-09	7.82E-09	5.39E-10	1.07E-08
7353	470330.24	3819335.48	2.71E-08	1.14E-07	1.02E-08	1.51E-07	2.26E-08	8.36E-08	7.35E-09	1.13E-07	2.56E-09	1.46E-08	1.75E-09	1.89E-08	2.32E-09	7.67E-09	5.28E-10	1.05E-08
7354	470330.32	3819325.83	2.64E-08	1.11E-07	9.97E-09	1.47E-07	2.20E-08	8.14E-08	7.16E-09	1.10E-07	2.49E-09	1.43E-08	1.70E-09	1.84E-08	2.26E-09	7.46E-09	5.14E-10	1.02E-08
7355	470330.41	3819316.18	2.55E-08	1.07E-07	9.63E-09	1.42E-07	2.12E-08	7.86E-08	6.91E-09	1.07E-07	2.40E-09	1.38E-08	1.64E-09	1.78E-08	2.19E-09	7.21E-09	4.97E-10	9.89E-09
7356	470330.49	3819306.54	2.44E-08	1.02E-07	9.23E-09	1.36E-07	2.03E-08	7.53E-08	6.62E-09	1.02E-07	2.30E-09	1.32E-08	1.57E-09	1.71E-08	2.09E-09	6.91E-09	4.76E-10	9.48E-09
7357	470330.57	3819296.89	2.31E-08	9.72E-08	8.75E-09	1.29E-07	1.93E-08	7.14E-08	6.28E-09	9.70E-08	2.19E-09	1.25E-08	1.49E-09	1.62E-08	1.99E-09	6.55E-09	4.52E-10	8.99E-09
7358	470330.65	3819287.24	2.17E-08	9.12E-08	8.21E-09	1.21E-07	1.81E-08	6.70E-08	5.89E-09	9.10E-08	2.05E-09	1.17E-08	1.40E-09	1.52E-08	1.86E-09	6.15E-09	4.24E-10	8.43E-09
7359	470330.74	3819277.59	2.01E-08	8.45E-08	7.61E-09	1.12E-07	1.68E-08	6.21E-08	5.46E-09	8.43E-08	1.90E-09	1.09E-08	1.30E-09	1.41E-08	1.73E-09	5.69E-09	3.92E-10	7.81E-09
7360	470330.82	3819267.94	1.84E-08	7.71E-08	6.95E-09	1.02E-07	1.53E-08	5.67E-08	4.99E-09	7.70E-08	1.73E-09	9.93E-09	1.18E-09	1.28E-08	1.58E-09	5.20E-09	3.58E-10	7.13E-09
7361	470330.9	3819258.3	1.65E-08	6.94E-08	6.25E-09	9.22E-08	1.38E-08	5.10E-08	4.49E-09	6.93E-08	1.56E-09	8.94E-09	1.07E-09	1.16E-08	1.42E-09	4.68E-09	3.23E-10	6.42E-09
7362	470330.99	3819248.65	1.47E-08	6.16E-08	5.55E-09	8.19E-08	1.22E-08	4.53E-08	3.98E-09	6.15E-08	1.39E-09	7.93E-09	9.47E-10	1.03E-08	1.26E-09	4.15E-09	2.86E-10	5.70E-09
7363	470335.64	3819459.82	1.78E-08	7.47E-08	6.73E-09	9.92E-08	1.48E-08	5.49E-08	4.83E-09	7.46E-08	1.68E-09	9.62E-09	1.15E-09	1.24E-08	1.53E-09	5.04E-09	3.47E-10	6.91E-09
7364	470332.03	3819468.3	1.73E-08	7.26E-08	6.53E-09	9.64E-08	1.44E-08	5.33E-08	4.69E-09	7.24E-08	1.63E-09	9.34E-09	1.11E-09	1.21E-08	1.48E-09	4.89E-09	3.37E-10	6.71E-09
7365	470328.42	3819476.78	1.67E-08	7.00E-08	6.30E-09	9.30E-08	1.39E-08	5.14E-08	4.53E-09	6.99E-08	1.57E-09	9.01E-09	1.08E-09	1.17E-08	1.43E-09	4.72E-09	3.25E-10	6.48E-09
7366	470324.81	3819485.25	1.6E-08	6.73E-08	6.06E-09	8.94E-08	1.33E-08	4.94E-08	4.35E-09	6.71E-08	1.51E-09	8.66E-09	1.03E-09	1.12E-08	1.38E-09	4.54E-09	3.13E-10	6.22E-09
7367	470312.64	3819497.15	1.61E-08	6.75E-08	6.08E-09	8.96E-08	1.34E-08	4.96E-08	4.36E-09	6.73E-08	1.52E-09	8.69E-09	1.04E-09	1.12E-08	1.38E-09	4.55E-09	3.14E-10	6.24E-09
7368	470304.08	3819500.57	1.68E-08	7.06E-08	6.36E-09	9.37E-08	1.40E-08	5.19E-08	4.56E-09	7.04E-08	1.59E-09	9.09E-09	1.08E-09	1.18E-08	1.44E-09	4.76E-09	3.28E-10	6.53E-09
7369	470339.25	3819451.34	1.82E-08	7.64E-08	6.88E-09	1.01E-07	1.52E-08	5.62E-08	4.94E-09	7.63E-08	1.72E-09	9.84E-09	1.17E-09	1.27E-08	1.56E-09	5.15E-09	3.55E-10	7.07E-09
7370	470339.33	3819441.7	1.94E-08	8.15E-08	7.34E-09	1.08E-07	1.62E-08	5.99E-08	5.27E-09	8.13E-08	1.83E-09	1.05E-08	1.25E-09	1.36E-08	1.67E-09	5.49E-09	3.78E-10	7.53E-09
7371	470339.41	3819432.05	2.05E-08	8.63E-08	7.77E-09	1.15E-07	1.71E-08	6.34E-08	5.58E-09	8.61E-08	1.94E-09	1.11E-08	1.32E-09	1.44E-08	1.76E-09	5.81E-09	4.01E-10	7.98E-09
7372	470339.5	3819422.4	2.16E-08	9.06E-08	8.16E-09	1.20E-07	1.80E-08	6.66E-08	5.86E-09	9.04E-08	2.04E-09	1.17E-08	1.39E-09	1.51E-08	1.85E-09	6.11E-09	4.21E-10	8.38E-09
7373	470339.58	3819412.75	2.25E-08	9.43E-08	8.49E-09	1.25E-07	1.87E-08	6.93E-08	6.09E-09	9.41E-08	2.12E-09	1.21E-08	1.45E-09	1.57E-08	1.93E-09	6.36E-09	4.38E-10	8.72E-09
7374	470339.66	3819403.1	2.32E-08	9.73E-08	8.76E-09	1.29E-07	1.93E-08	7.15E-08	6.29E-09	9.70E-08	2.19E-09	1.25E-08	1.49E-09	1.62E-08	1.99E-09	6.56E-09	4.52E-10	9.00E-09
7375	470339.74	3819393.46	2.37E-08	9.95E-08	8.96E-09	1.32E-07	1.97E-08	7.31E-08	6.43E-09	9.93E-08	2.24E-09	1.28E-08	1.53E-09	1.66E-08	2.03E-09	6.70E-09	4.62E-10	9.20E-09
7376	470339.83	3819383.81	2.4E-08	1.01E-07	9.08E-09	1.34E-07	2.00E-08	7.41E-08	6.52E-09	1.01E-07	2.27E-09	1.30E-08	1.55E-09	1.68E-08	2.06E-09	6.80E-09	4.69E-10	9.33E-09
7377	470339.91	3819374.16	2.42E-08	1.02E-07	9.14E-09	1.35E-07	2.01E-08	7.46E-08	6.56E-09	1.01E-07	2.28E-09	1.31E-08	1.56E-09	1.69E-08	2.08E-09	6.84E-09	4.72E-10	9.39E-09
7378	470339.99	3819364.51	2.42E-08	1.02E-07	9.14E-09	1.35E-07	2.01E-08	7.46E-08	6.56E-09	1.01E-07	2.28E-09	1.31E-08	1.56E-09	1.69E-08	2.08E-09	6.84E-09	4.72E-10	9.39E-09
7379	470340.08	3819354.86	2.4E-08	1.01E-07	9.08E-09	1.34E-07	2.00E-08	7.40E-08	6.51E-09	1.01E-07	2.27E-09	1.30E-08	1.55E-09	1.68E-08	2.06E-09	6.79E-09	4.68E-10	9.32E-09
7380	470340.16	3819345.21	2.37E-08	9.94E-08	8.95E-09	1.32E-07	1.97E-08	7.30E-08	6.42E-09	9.92E-08	2.23E-09	1.28E-08	1.53E-09	1.66E-08	2.03E-09	6.70E-09	4.62E-10	9.19E-09
7381	470340.24	3819335.57	2.32E-08	9.73E-08	8.76E-09	1.29E-07	1.93E-08	7.15E-08	6.29E-09	9.71E-08	2.19E-09	1.25E-08	1.49E-09	1.62E-08	1.99E-09	6.56E-09	4.52E-10	9.00E-09
7382	470340.32	3819325.92	2.25E-08	9.46E-08	8.52E-09	1.26E-07	1.88E-08	6.95E-08	6.12E-09	9.44E-08	2.13E-09	1.22E-08	1.45E-09	1.58E-08	1.93E-09	6.38E-09	4.40E-10	8.75E-09
7383	470340.41	3819316.27	2.17E-08	9.13E-08	8.22E-09	1.21E-07	1.81E-08	6.71E-08	5.90E-09	9.11E-08	2.05E-09	1.18E-08	1.40E-09	1.52E-08	1.87E-09	6.15E-09	4.24E-10	8.44E-09
7384	470340.49	3819306.62	2.08E-08	8.74E-08	7.87E-09	1.16E-07	1.73E-08	6.42E-08	5.65E-09	8.72E-08	1.96E-09	1.12E-08	1.34E-09	1.46E-08	1.79E-09	5.89E-09	4.06E-10	8.08E-09
7385	470340.57	3819296.97	1.97E-08	8.28E-08	7.46E-09	1.10E-07	1.64E-08	6.09E-08	5.35E-09	8.27E-08	1.86E-09	1.07E-08	1.27E-09	1.38E-08	1.69E-09	5.58E-09	3.85E-10	7.66E-09
7386	470340.65	3819287.33	1.85E-08	7.78E-08	7.00E-09	1.03E-07	1.54E-08	5.71E-08	5.03E-09	7.76E-08	1.75E-09	1.00E-08	1.19E-09	1.30E-08	1.59E-09	5.24E-09	3.61E-10	7.19E-09
7387	470340.74	3819277.68	1.72E-08	7.21E-08	6.50E-09	9.58E-08	1.43E-08	5.30E-08	4.66E-09	7.20E-08	1.62E-09	9.29E-09	1.11E-09	1.20E-08	1.47E-09	4.86E-09	3.35E-10	6.67E-09
7388	470340.82	3819268.03	1.57E-08	6.61E-08	5.95E-09	8.78E-08	1.31E-08	4.86E-08	4.27E-09	6.60E-08	1.49E-09	8.51E-09	1.02E-09	1.10E-08	1.35E-09	4.46E-09	3.07E-10	6.12E-09
7389	470340.9	3819258.38	1.43E-08	5.99E-08	5.39E-09	7.95E-08	1.19E-08	4.40E-08	3.87E-09	5.97E-08	1.35E-09	7.71E-09	9.20E-10	9.97E-09	1.22E-09	4.04E-09	2.78E-10	5.54E-09
7390	470340.99	3819248.73	1.28E-08	5.36E-08	4.83E-09	7.12E-08	1.06E-08	3.94E-08	3.46E-09	5.35E-08	1.21E-09	6.90E-09	8.23E-10	8.93E-09	1.10E-09	3.61E-09	2.49E-10	4.96E-09
7391	470345.74	3819459.67	1.6E-08	6.73E-08	6.06E-09	8.94E-08	1.33E-08	4.94E-08	4.35E-09	6.71E-08	1.51E-09	8.66E-09	1.03E-09	1.12E-08	1.38E-09	4.54E-09	3.13E-10	6.22E-09
7392	470338.72	3819476.16	1.52E-08	6.38E-08	5.74E-09	8.47E-08	1.26E-08	4.69E-08	4.12E-09	6.36E-08	1.43E-09	8.21E-09	9.80E-10	1.06E-08	1.30E-09	4.30E-09	2.96E-10	5.90E-09
7393	470331.7	3819492.64	1.42E-08	5.94E-08	5.35E-09	7.89E-08	1.18E-08	4.37E-08	3.84E-09	5.93E-08	1.34E-09	7.65E-09	9.13E-10	9.90E-09	1.22E-09	4.01E-09	2.76E-10	5.50E-09
7394	470319.87	3819504.2	1.42E-08	5.96E-08	5.37E-09	7.92E-08	1.18E-08	4.38E-08	3.85E-09	5.95E-08	1.34E-09	7.67E-09	9.15E-10	9.93E-09	1.22E-09	4.02E-09	2.77E-10	5.51E-09
7395	470303.23	3819510.85	1.54E-08	6.45E-08	5.81E-09	8.57E-08	1.28E-08	4.74E-08	4.17E-09	6.44E-08	1.45E-09	8.31E-09	9.91E-10	1.07E-08	1.32E-09	4.35E-09	3.00E-10	5.97E-09
7396	470349.33	3819441.78	1.73E-08	7.26E-08	6.53E-09	9.64E-08	1.44E-08	5.33E-08	4.69E-09	7.24E-08	1.63E-09	9.34E-09	1.11E-09	1.21E-08	1.48E-09	4.89E-09	3.37E-10	6.71E-09

7397	470349.41	3819432.13	1.82E-08	7.64E-08	6.88E-09	1.01E-07	1.51E-08	5.61E-08	4.94E-09	7.62E-08	1.72E-09	9.83E-09	1.17E-09	1.27E-08	1.56E-09	5.15E-09	3.55E-10	7.06E-09
7398	470349.5	3819422.49	1.9E-08	7.98E-08	7.19E-09	1.06E-07	1.58E-08	5.86E-08	5.16E-09	7.96E-08	1.79E-09	1.03E-08	1.23E-09	1.33E-08	1.63E-09	5.38E-09	3.71E-10	7.38E-09
7399	470349.58	3819412.84	1.97E-08	8.27E-08	7.45E-09	1.10E-07	1.64E-08	6.08E-08	5.35E-09	8.26E-08	1.86E-09	1.07E-08	1.27E-09	1.38E-08	1.69E-09	5.58E-09	3.84E-10	7.65E-09
7400	470349.66	3819403.19	2.03E-08	8.51E-08	7.66E-09	1.13E-07	1.69E-08	6.25E-08	5.50E-09	8.49E-08	1.91E-09	1.10E-08	1.31E-09	1.42E-08	1.74E-09	5.73E-09	3.95E-10	7.87E-09
7401	470349.74	3819393.54	2.07E-08	8.68E-08	7.82E-09	1.15E-07	1.72E-08	6.38E-08	5.61E-09	8.66E-08	1.95E-09	1.12E-08	1.33E-09	1.45E-08	1.77E-09	5.85E-09	4.03E-10	8.03E-09
7402	470349.83	3819383.89	2.09E-08	8.78E-08	7.91E-09	1.17E-07	1.74E-08	6.45E-08	5.68E-09	8.76E-08	1.98E-09	1.13E-08	1.35E-09	1.46E-08	1.80E-09	5.92E-09	4.08E-10	8.12E-09
7403	470349.91	3819374.24	2.1E-08	8.83E-08	7.95E-09	1.17E-07	1.75E-08	6.49E-08	5.71E-09	8.81E-08	1.98E-09	1.14E-08	1.36E-09	1.47E-08	1.80E-09	5.95E-09	4.10E-10	8.16E-09
7404	470349.99	3819364.6	2.1E-08	8.82E-08	7.94E-09	1.17E-07	1.75E-08	6.48E-08	5.70E-09	8.80E-08	1.98E-09	1.14E-08	1.35E-09	1.47E-08	1.80E-09	5.94E-09	4.10E-10	8.16E-09
7405	470350.07	3819354.95	2.08E-08	8.75E-08	7.88E-09	1.16E-07	1.74E-08	6.43E-08	5.66E-09	8.73E-08	1.97E-09	1.13E-08	1.34E-09	1.46E-08	1.79E-09	5.90E-09	4.07E-10	8.09E-09
7406	470350.16	3819345.3	2.05E-08	8.62E-08	7.76E-09	1.14E-07	1.71E-08	6.33E-08	5.57E-09	8.60E-08	1.94E-09	1.11E-08	1.32E-09	1.44E-08	1.76E-09	5.81E-09	4.00E-10	7.97E-09
7407	470350.24	3819335.65	2.01E-08	8.43E-08	7.59E-09	1.12E-07	1.67E-08	6.19E-08	5.45E-09	8.41E-08	1.90E-09	1.09E-08	1.29E-09	1.40E-08	1.72E-09	5.68E-09	3.92E-10	7.80E-09
7408	470350.32	3819326	1.95E-08	8.19E-08	7.37E-09	1.09E-07	1.62E-08	6.02E-08	5.29E-09	8.17E-08	1.84E-09	1.05E-08	1.26E-09	1.36E-08	1.67E-09	5.52E-09	3.81E-10	7.57E-09
7409	470350.41	3819316.36	1.88E-08	7.90E-08	7.11E-09	1.05E-07	1.57E-08	5.80E-08	5.10E-09	7.88E-08	1.78E-09	1.02E-08	1.21E-09	1.32E-08	1.61E-09	5.32E-09	3.67E-10	7.30E-09
7410	470350.49	3819306.71	1.8E-08	7.55E-08	6.80E-09	1.00E-07	1.50E-08	5.55E-08	4.88E-09	7.54E-08	1.70E-09	9.72E-09	1.16E-09	1.26E-08	1.54E-09	5.09E-09	3.51E-10	6.99E-09
7411	470350.57	3819297.06	1.71E-08	7.16E-08	6.45E-09	9.51E-08	1.42E-08	5.26E-08	4.63E-09	7.15E-08	1.61E-09	9.22E-09	1.10E-09	1.19E-08	1.46E-09	4.83E-09	3.33E-10	6.62E-09
7412	470350.65	3819287.41	1.6E-08	6.73E-08	6.06E-09	8.94E-08	1.33E-08	4.94E-08	4.35E-09	6.71E-08	1.51E-09	8.66E-09	1.03E-09	1.12E-08	1.38E-09	4.53E-09	3.13E-10	6.22E-09
7413	470350.74	3819277.76	1.49E-08	6.25E-08	5.63E-09	8.31E-08	1.24E-08	4.60E-08	4.04E-09	6.24E-08	1.41E-09	8.05E-09	9.61E-10	1.04E-08	1.28E-09	4.22E-09	2.91E-10	5.78E-09
7414	470350.82	3819268.11	1.37E-08	5.75E-08	5.18E-09	7.64E-08	1.14E-08	4.23E-08	3.72E-09	5.74E-08	1.29E-09	7.41E-09	8.84E-10	9.58E-09	1.18E-09	3.88E-09	2.67E-10	5.32E-09
7415	470350.9	3819258.47	1.25E-08	5.24E-08	4.72E-09	6.96E-08	1.04E-08	3.85E-08	3.39E-09	5.23E-08	1.18E-09	6.74E-09	8.04E-10	8.72E-09	1.07E-09	3.53E-09	2.43E-10	4.84E-09
7416	470350.98	3819248.82	1.12E-08	4.72E-08	4.25E-09	6.27E-08	9.37E-09	3.47E-08	3.05E-09	4.71E-08	1.06E-09	6.08E-09	7.25E-10	7.87E-09	9.65E-10	3.18E-09	2.19E-10	4.37E-09
7417	470355.81	3819459.59	1.45E-08	6.09E-08	5.49E-09	8.09E-08	1.21E-08	4.48E-08	3.94E-09	6.08E-08	1.37E-09	7.84E-09	9.35E-10	1.01E-08	1.25E-09	4.11E-09	2.83E-10	5.63E-09
7418	470348.93	3819475.74	1.39E-08	5.83E-08	5.25E-09	7.74E-08	1.16E-08	4.28E-08	3.77E-09	5.81E-08	1.31E-09	7.50E-09	8.95E-10	9.70E-09	1.19E-09	3.93E-09	2.71E-10	5.39E-09
7419	470342.06	3819491.88	1.31E-08	5.48E-08	4.94E-09	7.28E-08	1.09E-08	4.03E-08	3.54E-09	5.47E-08	1.23E-09	7.06E-09	8.42E-10	9.13E-09	1.12E-09	3.69E-09	2.55E-10	5.07E-09
7420	470327.03	3819511.29	1.27E-08	5.32E-08	4.79E-09	7.06E-08	1.05E-08	3.91E-08	3.44E-09	5.30E-08	1.20E-09	6.84E-09	8.17E-10	8.86E-09	1.09E-09	3.58E-09	2.47E-10	4.92E-09
7421	470310.73	3819517.8	1.36E-08	5.72E-08	5.15E-09	7.59E-08	1.13E-08	4.20E-08	3.69E-09	5.70E-08	1.29E-09	7.36E-09	8.78E-10	9.52E-09	1.17E-09	3.85E-09	2.66E-10	5.29E-09
7422	470359.33	3819441.87	1.55E-08	6.51E-08	5.86E-09	8.64E-08	1.29E-08	4.78E-08	4.21E-09	6.49E-08	1.46E-09	8.38E-09	1.00E-09	1.08E-08	1.33E-09	4.39E-09	3.02E-10	6.02E-09
7423	470359.41	3819432.22	1.62E-08	6.82E-08	6.14E-09	9.05E-08	1.35E-08	5.01E-08	4.41E-09	6.80E-08	1.53E-09	8.77E-09	1.05E-09	1.14E-08	1.39E-09	4.59E-09	3.17E-10	6.30E-09
7424	470359.5	3819422.57	1.69E-08	7.09E-08	6.39E-09	9.42E-08	1.41E-08	5.21E-08	4.58E-09	7.08E-08	1.59E-09	9.13E-09	1.09E-09	1.18E-08	1.45E-09	4.78E-09	3.30E-10	6.56E-09
7425	470359.58	3819412.92	1.74E-08	7.33E-08	6.60E-09	9.73E-08	1.45E-08	5.38E-08	4.74E-09	7.31E-08	1.65E-09	9.43E-09	1.13E-09	1.22E-08	1.50E-09	4.94E-09	3.40E-10	6.78E-09
7426	470359.66	3819403.28	1.79E-08	7.51E-08	6.77E-09	9.98E-08	1.49E-08	5.52E-08	4.86E-09	7.50E-08	1.69E-09	9.67E-09	1.15E-09	1.25E-08	1.54E-09	5.07E-09	3.49E-10	6.95E-09
7427	470359.74	3819393.63	1.82E-08	7.65E-08	6.89E-09	1.02E-07	1.52E-08	5.62E-08	4.94E-09	7.63E-08	1.72E-09	9.85E-09	1.17E-09	1.27E-08	1.56E-09	5.16E-09	3.55E-10	7.08E-09
7428	470359.83	3819383.98	1.84E-08	7.73E-08	6.96E-09	1.03E-07	1.53E-08	5.68E-08	5.00E-09	7.71E-08	1.74E-09	9.95E-09	1.19E-09	1.29E-08	1.58E-09	5.21E-09	3.59E-10	7.15E-09
7429	470359.91	3819374.33	1.85E-08	7.76E-08	6.99E-09	1.03E-07	1.54E-08	5.70E-08	5.02E-09	7.74E-08	1.74E-09	9.99E-09	1.19E-09	1.29E-08	1.59E-09	5.23E-09	3.61E-10	7.18E-09
7430	470359.99	3819364.68	1.84E-08	7.74E-08	6.97E-09	1.03E-07	1.54E-08	5.69E-08	5.00E-09	7.72E-08	1.74E-09	9.96E-09	1.19E-09	1.29E-08	1.58E-09	5.22E-09	3.60E-10	7.16E-09
7431	470360.07	3819355.03	1.83E-08	7.67E-08	6.91E-09	1.02E-07	1.52E-08	5.64E-08	4.96E-09	7.65E-08	1.72E-09	9.87E-09	1.18E-09	1.28E-08	1.57E-09	5.17E-09	3.56E-10	7.09E-09
7432	470360.16	3819345.39	1.8E-08	7.55E-08	6.80E-09	1.00E-07	1.50E-08	5.55E-08	4.88E-09	7.53E-08	1.70E-09	9.72E-09	1.16E-09	1.26E-08	1.54E-09	5.09E-09	3.51E-10	6.98E-09
7433	470360.24	3819335.74	1.76E-08	7.38E-08	6.65E-09	9.80E-08	1.46E-08	5.42E-08	4.77E-09	7.36E-08	1.66E-09	9.50E-09	1.13E-09	1.23E-08	1.51E-09	4.97E-09	3.43E-10	6.83E-09
7434	470360.32	3819326.09	1.71E-08	7.16E-08	6.45E-09	9.52E-08	1.42E-08	5.26E-08	4.63E-09	7.15E-08	1.61E-09	9.22E-09	1.10E-09	1.19E-08	1.46E-09	4.83E-09	3.33E-10	6.63E-09
7435	470360.41	3819316.44	1.64E-08	6.91E-08	6.22E-09	9.17E-08	1.37E-08	5.07E-08	4.46E-09	6.89E-08	1.55E-09	8.89E-09	1.06E-09	1.15E-08	1.41E-09	4.65E-09	3.21E-10	6.39E-09
7436	470360.49	3819306.79	1.57E-08	6.61E-08	5.95E-09	8.77E-08	1.31E-08	4.85E-08	4.27E-09	6.59E-08	1.49E-09	8.50E-09	1.01E-09	1.10E-08	1.35E-09	4.45E-09	3.07E-10	6.11E-09
7437	470360.57	3819297.15	1.49E-08	6.27E-08	5.64E-09	8.32E-08	1.24E-08	4.60E-08	4.05E-09	6.25E-08	1.41E-09	8.07E-09	9.63E-10	1.04E-08	1.28E-09	4.22E-09	2.91E-10	5.80E-09
7438	470360.65	3819287.5	1.4E-08	5.89E-08	5.31E-09	7.83E-08	1.17E-08	4.33E-08	3.81E-09	5.88E-08	1.33E-09	7.59E-09	9.05E-10	9.82E-09	1.20E-09	3.97E-09	2.74E-10	5.45E-09
7439	470360.74	3819277.85	1.31E-08	5.49E-08	4.94E-09	7.29E-08	1.09E-08	4.03E-08	3.55E-09	5.48E-08	1.23E-09	7.07E-09	8.43E-10	9.15E-09	1.12E-09	3.70E-09	2.55E-10	5.08E-09
7440	470360.82	3819268.2	1.21E-08	5.07E-08	4.56E-09	6.73E-08	1.01E-08	3.72E-08	3.28E-09	5.06E-08	1.14E-09	6.52E-09	7.78E-10	8.44E-09	1.04E-09	3.42E-09	2.35E-10	4.69E-09
7441	470360.9	3819258.55	1.1E-08	4.63E-08	4.17E-09	6.16E-08	9.19E-09	3.41E-08	3.00E-09	4.62E-08	1.04E-09	5.97E-09	7.12E-10	7.72E-09	9.47E-10	3.12E-09	2.15E-10	4.29E-09
7442	470360.98	3819248.9	1E-08	4.20E-08	3.79E-09	5.58E-08	8.34E-09	3.09E-08	2.72E-09	4.19E-08	9.45E-10	5.41E-09	6.46E-10	7.00E-09	8.59E-10	2.83E-09	1.95E-10	3.89E-09
7443	470365.86	3819459.55	1.32E-08	5.54E-08	4.99E-09	7.36E-08	1.10E-08	4.07E-08	3.58E-09	5.53E-08	1.25E-09	7.13E-09	8.51E-10	9.22E-09	1.13E-09	3.73E-09	2.57E-10	5.12E-09
7444	470359.09	3819475.44	1.27E-08	5.34E-08	4.81E-09	7.09E-08	1.06E-08	3.92E-08	3.45E-09	5.33E-08	1.20E-09	6.87E-09	8.20E-10	8.89E-09	1.09E-09	3.60E-09	2.48E-10	4.94E-09
7445	470352.32	3819491.34	1.21E-08	5.06E-08	4.56E-09	6.72E-08	1.00E-08	3.72E-08	3.27E-09	5.05E-08	1.14E-09	6.52E-09	7.78E-10	8.43E-09	1.03E-09	3.41E-09	2.35E-10	4.68E-09
7446	470345.55	3819507.23	1.13E-08	4.76E-08	4.29E-09	6.33E-08	9.45E-09	3.50E-08	3.08E-09	4.75E-08	1.07E-09	6.13E-09	7.32E-10	7.94E-09	9.74E-10	3.21E-09	2.21E-10	4.41E-09

7447	470334.15	3819518.39	1.14E-08	4.78E-08	4.30E-09	6.34E-08	9.47E-09	3.51E-08	3.09E-09	4.77E-08	1.07E-09	6.15E-09	7.34E-10	7.96E-09	9.76E-10	3.22E-09	2.22E-10	4.42E-09
7448	470318.11	3819524.8	1.22E-08	5.11E-08	4.60E-09	6.78E-08	1.01E-08	3.75E-08	3.30E-09	5.10E-08	1.15E-09	6.58E-09	7.85E-10	8.51E-09	1.04E-09	3.44E-09	2.37E-10	4.72E-09
7449	470302.06	3819531.21	1.3E-08	5.44E-08	4.90E-09	7.23E-08	1.08E-08	4.00E-08	3.52E-09	5.43E-08	1.22E-09	7.01E-09	8.36E-10	9.07E-09	1.11E-09	3.67E-09	2.53E-10	5.04E-09
7450	470369.33	3819441.95	1.4E-08	5.87E-08	5.29E-09	7.80E-08	1.16E-08	4.32E-08	3.80E-09	5.86E-08	1.32E-09	7.56E-09	9.02E-10	9.78E-09	1.20E-09	3.96E-09	2.73E-10	5.43E-09
7451	470369.41	3819432.31	1.46E-08	6.12E-08	5.52E-09	8.13E-08	1.21E-08	4.50E-08	3.96E-09	6.11E-08	1.38E-09	7.88E-09	9.41E-10	1.02E-08	1.25E-09	4.13E-09	2.85E-10	5.66E-09
7452	470369.49	3819422.66	1.51E-08	6.35E-08	5.72E-09	8.43E-08	1.26E-08	4.67E-08	4.10E-09	6.33E-08	1.43E-09	8.17E-09	9.75E-10	1.06E-08	1.30E-09	4.28E-09	2.95E-10	5.87E-09
7453	470369.58	3819413.01	1.56E-08	6.54E-08	5.89E-09	8.68E-08	1.30E-08	4.80E-08	4.23E-09	6.52E-08	1.47E-09	8.42E-09	1.00E-09	1.09E-08	1.34E-09	4.41E-09	3.04E-10	6.05E-09
7454	470369.66	3819403.36	1.59E-08	6.69E-08	6.02E-09	8.88E-08	1.33E-08	4.92E-08	4.32E-09	6.67E-08	1.50E-09	8.61E-09	1.03E-09	1.11E-08	1.37E-09	4.51E-09	3.11E-10	6.19E-09
7455	470369.74	3819393.71	1.62E-08	6.80E-08	6.12E-09	9.03E-08	1.35E-08	4.99E-08	4.39E-09	6.78E-08	1.53E-09	8.75E-09	1.04E-09	1.13E-08	1.39E-09	4.58E-09	3.16E-10	6.29E-09
7456	470369.83	3819384.06	1.63E-08	6.86E-08	6.18E-09	9.11E-08	1.36E-08	5.04E-08	4.43E-09	6.84E-08	1.54E-09	8.83E-09	1.05E-09	1.14E-08	1.40E-09	4.62E-09	3.19E-10	6.34E-09
7457	470369.91	3819374.42	1.64E-08	6.88E-08	6.19E-09	9.13E-08	1.36E-08	5.05E-08	4.44E-09	6.86E-08	1.55E-09	8.85E-09	1.06E-09	1.15E-08	1.41E-09	4.63E-09	3.19E-10	6.36E-09
7458	470369.99	3819364.77	1.63E-08	6.85E-08	6.17E-09	9.10E-08	1.36E-08	5.03E-08	4.43E-09	6.83E-08	1.54E-09	8.82E-09	1.05E-09	1.14E-08	1.40E-09	4.62E-09	3.18E-10	6.34E-09
7459	470370.07	3819355.12	1.61E-08	6.78E-08	6.11E-09	9.01E-08	1.34E-08	4.98E-08	4.38E-09	6.77E-08	1.52E-09	8.73E-09	1.04E-09	1.13E-08	1.39E-09	4.57E-09	3.15E-10	6.27E-09
7460	470370.16	3819345.47	1.59E-08	6.67E-08	6.01E-09	8.86E-08	1.32E-08	4.90E-08	4.31E-09	6.65E-08	1.50E-09	8.58E-09	1.02E-09	1.11E-08	1.36E-09	4.49E-09	3.10E-10	6.17E-09
7461	470370.24	3819335.82	1.55E-08	6.52E-08	5.87E-09	8.66E-08	1.29E-08	4.79E-08	4.21E-09	6.50E-08	1.47E-09	8.39E-09	1.00E-09	1.09E-08	1.33E-09	4.39E-09	3.03E-10	6.03E-09
7462	470370.32	3819326.18	1.51E-08	6.33E-08	5.70E-09	8.40E-08	1.25E-08	4.65E-08	4.09E-09	6.31E-08	1.42E-09	8.14E-09	9.72E-10	1.05E-08	1.29E-09	4.26E-09	2.94E-10	5.85E-09
7463	470370.4	3819316.53	1.45E-08	6.10E-08	5.49E-09	8.10E-08	1.21E-08	4.48E-08	3.94E-09	6.08E-08	1.37E-09	7.85E-09	9.37E-10	1.02E-08	1.25E-09	4.11E-09	2.83E-10	5.64E-09
7464	470370.49	3819306.88	1.39E-08	5.83E-08	5.25E-09	7.75E-08	1.16E-08	4.29E-08	3.77E-09	5.82E-08	1.31E-09	7.51E-09	8.96E-10	9.72E-09	1.19E-09	3.93E-09	2.71E-10	5.40E-09
7465	470370.57	3819297.23	1.32E-08	5.54E-08	4.99E-09	7.36E-08	1.10E-08	4.07E-08	3.58E-09	5.53E-08	1.25E-09	7.13E-09	8.51E-10	9.22E-09	1.13E-09	3.73E-09	2.57E-10	5.12E-09
7466	470370.65	3819287.58	1.24E-08	5.21E-08	4.70E-09	6.93E-08	1.03E-08	3.83E-08	3.37E-09	5.20E-08	1.17E-09	6.71E-09	8.01E-10	8.69E-09	1.07E-09	3.51E-09	2.42E-10	4.82E-09
7467	470370.74	3819277.93	1.16E-08	4.87E-08	4.38E-09	6.47E-08	9.66E-09	3.58E-08	3.15E-09	4.86E-08	1.09E-09	6.27E-09	7.48E-10	8.11E-09	9.95E-10	3.28E-09	2.26E-10	4.50E-09
7468	470370.82	3819268.29	1.07E-08	4.51E-08	4.06E-09	5.99E-08	8.94E-09	3.31E-08	2.91E-09	4.50E-08	1.01E-09	5.80E-09	6.92E-10	7.51E-09	9.22E-10	3.04E-09	2.09E-10	4.17E-09
7469	470370.9	3819258.64	9.86E-09	4.14E-08	3.73E-09	5.50E-08	8.21E-09	3.04E-08	2.68E-09	4.13E-08	9.31E-10	5.33E-09	6.36E-10	6.90E-09	8.46E-10	2.79E-09	1.92E-10	3.83E-09
7470	470370.98	3819248.99	8.99E-09	3.77E-08	3.40E-09	5.01E-08	7.49E-09	2.77E-08	2.44E-09	3.77E-08	8.49E-10	4.86E-09	5.80E-10	6.29E-09	7.72E-10	2.54E-09	1.75E-10	3.49E-09
7471	470375.49	3819460.52	1.2E-08	5.05E-08	4.55E-09	6.71E-08	1.00E-08	3.71E-08	3.26E-09	5.04E-08	1.14E-09	6.50E-09	7.75E-10	8.41E-09	1.03E-09	3.40E-09	2.35E-10	4.67E-09
7472	470371.72	3819469.35	1.18E-08	4.97E-08	4.48E-09	6.60E-08	9.86E-09	3.65E-08	3.21E-09	4.96E-08	1.12E-09	6.40E-09	7.63E-10	8.28E-09	1.02E-09	3.35E-09	2.31E-10	4.60E-09
7473	470367.96	3819478.18	1.16E-08	4.87E-08	4.38E-09	6.46E-08	9.65E-09	3.58E-08	3.15E-09	4.86E-08	1.09E-09	6.26E-09	7.47E-10	8.11E-09	9.95E-10	3.28E-09	2.26E-10	4.50E-09
7474	470364.2	3819487.01	1.13E-08	4.75E-08	4.27E-09	6.30E-08	9.41E-09	3.49E-08	3.07E-09	4.74E-08	1.07E-09	6.11E-09	7.29E-10	7.91E-09	9.70E-10	3.20E-09	2.21E-10	4.39E-09
7475	470360.44	3819495.84	1.1E-08	4.61E-08	4.15E-09	6.12E-08	9.14E-09	3.39E-08	2.98E-09	4.60E-08	1.04E-09	5.94E-09	7.08E-10	7.68E-09	9.43E-10	3.11E-09	2.14E-10	4.26E-09
7476	470356.68	3819504.67	1.06E-08	4.47E-08	4.02E-09	5.94E-08	8.86E-09	3.28E-08	2.89E-09	4.46E-08	1.00E-09	5.75E-09	6.86E-10	7.44E-09	9.13E-10	3.01E-09	2.08E-10	4.13E-09
7477	470352.92	3819513.5	1.03E-08	4.32E-08	3.89E-09	5.74E-08	8.58E-09	3.18E-08	2.80E-09	4.31E-08	9.72E-10	5.57E-09	6.64E-10	7.20E-09	8.84E-10	2.91E-09	2.01E-10	4.00E-09
7478	470340.25	3819525.89	1.03E-08	4.33E-08	3.90E-09	5.76E-08	8.60E-09	3.18E-08	2.80E-09	4.32E-08	9.75E-10	5.58E-09	6.66E-10	7.22E-09	8.86E-10	2.92E-09	2.01E-10	4.01E-09
7479	470331.34	3819529.45	1.07E-08	4.49E-08	4.05E-09	5.97E-08	8.91E-09	3.30E-08	2.90E-09	4.48E-08	1.01E-09	5.78E-09	6.90E-10	7.48E-09	9.18E-10	3.03E-09	2.09E-10	4.15E-09
7480	470322.42	3819533.01	1.11E-08	4.65E-08	4.19E-09	6.18E-08	9.23E-09	3.42E-08	3.01E-09	4.64E-08	1.05E-09	5.99E-09	7.15E-10	7.75E-09	9.51E-10	3.14E-09	2.16E-10	4.30E-09
7481	470313.51	3819536.58	1.15E-08	4.81E-08	4.34E-09	6.39E-08	9.55E-09	3.54E-08	3.11E-09	4.80E-08	1.08E-09	6.20E-09	7.39E-10	8.02E-09	9.84E-10	3.25E-09	2.24E-10	4.45E-09
7482	470304.6	3819540.14	1.19E-08	4.98E-08	4.48E-09	6.61E-08	9.87E-09	3.66E-08	3.22E-09	4.97E-08	1.12E-09	6.41E-09	7.64E-10	8.29E-09	1.02E-09	3.35E-09	2.31E-10	4.60E-09
7483	470379.25	3819451.69	1.21E-08	5.10E-08	4.59E-09	6.78E-08	1.01E-08	3.75E-08	3.30E-09	5.09E-08	1.15E-09	6.57E-09	7.84E-10	8.50E-09	1.04E-09	3.44E-09	2.37E-10	4.72E-09
7484	470379.33	3819442.04	1.27E-08	5.33E-08	4.80E-09	7.07E-08	1.06E-08	3.91E-08	3.44E-09	5.31E-08	1.20E-09	6.86E-09	8.18E-10	8.87E-09	1.09E-09	3.59E-09	2.48E-10	4.93E-09
7485	470379.41	3819432.39	1.32E-08	5.53E-08	4.98E-09	7.35E-08	1.10E-08	4.07E-08	3.58E-09	5.52E-08	1.24E-09	7.12E-09	8.50E-10	9.22E-09	1.13E-09	3.73E-09	2.57E-10	5.12E-09
7486	470379.49	3819422.74	1.36E-08	5.72E-08	5.15E-09	7.60E-08	1.13E-08	4.20E-08	3.70E-09	5.71E-08	1.29E-09	7.36E-09	8.78E-10	9.53E-09	1.17E-09	3.85E-09	2.66E-10	5.29E-09
7487	470379.58	3819413.09	1.4E-08	5.87E-08	5.29E-09	7.80E-08	1.16E-08	4.32E-08	3.80E-09	5.86E-08	1.32E-09	7.56E-09	9.02E-10	9.78E-09	1.20E-09	3.96E-09	2.73E-10	5.43E-09
7488	470379.66	3819403.45	1.43E-08	5.99E-08	5.40E-09	7.96E-08	1.19E-08	4.41E-08	3.88E-09	5.98E-08	1.35E-09	7.72E-09	9.21E-10	9.99E-09	1.23E-09	4.04E-09	2.79E-10	5.54E-09
7489	470379.74	3819393.8	1.45E-08	6.08E-08	5.48E-09	8.08E-08	1.21E-08	4.47E-08	3.93E-09	6.07E-08	1.37E-09	7.83E-09	9.34E-10	1.01E-08	1.24E-09	4.10E-09	2.83E-10	5.62E-09
7490	470379.83	3819384.15	1.46E-08	6.13E-08	5.52E-09	8.14E-08	1.22E-08	4.50E-08	3.96E-09	6.11E-08	1.38E-09	7.89E-09	9.41E-10	1.02E-08	1.25E-09	4.13E-09	2.85E-10	5.67E-09
7491	470379.91	3819374.5	1.46E-08	6.14E-08	5.53E-09	8.15E-08	1.22E-08	4.51E-08	3.97E-09	6.12E-08	1.38E-09	7.90E-09	9.42E-10	1.02E-08	1.25E-09	4.14E-09	2.85E-10	5.68E-09
7492	470379.99	3819364.85	1.45E-08	6.11E-08	5.50E-09	8.11E-08	1.21E-08	4.49E-08	3.95E-09	6.09E-08	1.37E-09	7.86E-09	9.38E-10	1.02E-08	1.25E-09	4.12E-09	2.84E-10	5.65E-09
7493	470380.07	3819355.21	1.44E-08	6.04E-08	5.44E-09	8.02E-08	1.20E-08	4.44E-08	3.90E-09	6.03E-08	1.36E-09	7.77E-09	9.28E-10	1.01E-08	1.23E-09	4.07E-09	2.81E-10	5.59E-09
7494	470380.16	3819345.56	1.41E-08	5.94E-08	5.35E-09	7.88E-08	1.18E-08	4.36E-08	3.84E-09	5.92E-08	1.33E-09	7.64E-09	9.12E-10	9.89E-09	1.21E-09	4.00E-09	2.76E-10	5.49E-09
7495	470380.24	3819335.91	1.38E-08	5.80E-08	5.22E-09	7.70E-08	1.15E-08	4.26E-08	3.75E-09	5.79E-08	1.30E-09	7.47E-09	8.91E-10	9.66E-09	1.19E-09	3.91E-09	2.69E-10	5.36E-09
7496	470380.32	3819326.26	1.34E-08	5.63E-08	5.07E-09	7.48E-08	1.12E-08	4.14E-08	3.64E-09	5.62E-08	1.27E-09	7.25E-09	8.65E-10	9.38E-09	1.15E-09	3.79E-09	2.62E-10	5.21E-09

7497	470380.4	3819316.61	1.29E-08	5.43E-08	4.89E-09	7.21E-08	1.08E-08	3.99E-08	3.51E-09	5.42E-08	1.22E-09	6.99E-09	8.34E-10	9.04E-09	1.11E-09	3.66E-09	2.52E-10	5.02E-09
7498	470380.49	3819306.96	1.24E-08	5.19E-08	4.68E-09	6.90E-08	1.03E-08	3.82E-08	3.36E-09	5.18E-08	1.17E-09	6.69E-09	7.98E-10	8.65E-09	1.06E-09	3.50E-09	2.41E-10	4.80E-09
7499	470380.57	3819297.32	1.18E-08	4.94E-08	4.44E-09	6.56E-08	9.79E-09	3.63E-08	3.19E-09	4.92E-08	1.11E-09	6.35E-09	7.58E-10	8.22E-09	1.01E-09	3.33E-09	2.29E-10	4.57E-09
7500	470380.65	3819287.67	1.11E-08	4.65E-08	4.19E-09	6.18E-08	9.23E-09	3.42E-08	3.01E-09	4.64E-08	1.05E-09	5.99E-09	7.15E-10	7.75E-09	9.51E-10	3.14E-09	2.16E-10	4.30E-09
7501	470380.74	3819278.02	1.04E-08	4.36E-08	3.92E-09	5.78E-08	8.64E-09	3.20E-08	2.82E-09	4.35E-08	9.79E-10	5.61E-09	6.69E-10	7.25E-09	8.90E-10	2.94E-09	2.02E-10	4.03E-09
7502	470380.82	3819268.37	9.63E-09	4.04E-08	3.64E-09	5.37E-08	8.02E-09	2.97E-08	2.61E-09	4.04E-08	9.09E-10	5.21E-09	6.21E-10	6.74E-09	8.27E-10	2.73E-09	1.88E-10	3.74E-09
7503	470380.9	3819258.72	8.88E-09	3.73E-08	3.36E-09	4.95E-08	7.40E-09	2.74E-08	2.41E-09	3.72E-08	8.38E-10	4.80E-09	5.73E-10	6.21E-09	7.62E-10	2.51E-09	1.73E-10	3.45E-09
7504	470380.98	3819249.08	8.13E-09	3.41E-08	3.08E-09	4.54E-08	6.77E-09	2.51E-08	2.21E-09	3.41E-08	7.68E-10	4.40E-09	5.24E-10	5.69E-09	6.98E-10	2.30E-09	1.59E-10	3.16E-09
7505	470395.64	3819460.34	1.01E-08	4.26E-08	3.83E-09	5.65E-08	8.44E-09	3.13E-08	2.75E-09	4.25E-08	9.57E-10	5.48E-09	6.54E-10	7.09E-09	8.70E-10	2.87E-09	1.98E-10	3.94E-09
7506	470392.03	3819468.81	1E-08	4.21E-08	3.79E-09	5.60E-08	8.36E-09	3.10E-08	2.72E-09	4.20E-08	9.47E-10	5.42E-09	6.47E-10	7.02E-09	8.61E-10	2.84E-09	1.96E-10	3.90E-09
7507	470388.41	3819477.29	9.89E-09	4.15E-08	3.74E-09	5.52E-08	8.24E-09	3.05E-08	2.69E-09	4.14E-08	9.34E-10	5.35E-09	6.38E-10	6.92E-09	8.49E-10	2.80E-09	1.93E-10	3.84E-09
7508	470384.8	3819485.77	9.72E-09	4.08E-08	3.67E-09	5.42E-08	8.09E-09	3.00E-08	2.64E-09	4.07E-08	9.18E-10	5.25E-09	6.27E-10	6.80E-09	8.34E-10	2.75E-09	1.90E-10	3.77E-09
7509	470381.19	3819494.25	9.52E-09	4.00E-08	3.60E-09	5.31E-08	7.93E-09	2.94E-08	2.58E-09	3.99E-08	8.99E-10	5.14E-09	6.14E-10	6.66E-09	8.17E-10	2.69E-09	1.86E-10	3.70E-09
7510	470377.58	3819502.72	9.29E-09	3.90E-08	3.51E-09	5.18E-08	7.74E-09	2.87E-08	2.52E-09	3.89E-08	8.77E-10	5.02E-09	5.99E-10	6.50E-09	7.97E-10	2.63E-09	1.81E-10	3.61E-09
7511	470373.97	3819511.2	9.04E-09	3.80E-08	3.42E-09	5.04E-08	7.53E-09	2.79E-08	2.46E-09	3.79E-08	8.54E-10	4.89E-09	5.83E-10	6.33E-09	7.76E-10	2.56E-09	1.76E-10	3.51E-09
7512	470370.36	3819519.68	8.79E-09	3.69E-08	3.33E-09	4.90E-08	7.32E-09	2.71E-08	2.39E-09	3.68E-08	8.30E-10	4.75E-09	5.67E-10	6.15E-09	7.55E-10	2.49E-09	1.72E-10	3.42E-09
7513	470366.75	3819528.15	8.54E-09	3.59E-08	3.23E-09	4.76E-08	7.11E-09	2.64E-08	2.32E-09	3.58E-08	8.06E-10	4.62E-09	5.51E-10	5.97E-09	7.33E-10	2.42E-09	1.67E-10	3.32E-09
7514	470354.59	3819540.05	8.56E-09	3.59E-08	3.24E-09	4.77E-08	7.13E-09	2.64E-08	2.32E-09	3.59E-08	8.08E-10	4.63E-09	5.52E-10	5.99E-09	7.35E-10	2.42E-09	1.67E-10	3.32E-09
7515	470346.03	3819543.47	8.83E-09	3.71E-08	3.34E-09	4.92E-08	7.35E-09	2.72E-08	2.40E-09	3.70E-08	8.34E-10	4.77E-09	5.69E-10	6.18E-09	7.58E-10	2.50E-09	1.72E-10	3.43E-09
7516	470337.47	3819546.89	9.1E-09	3.82E-08	3.44E-09	5.08E-08	7.58E-09	2.81E-08	2.47E-09	3.81E-08	8.60E-10	4.92E-09	5.87E-10	6.37E-09	7.82E-10	2.58E-09	1.78E-10	3.54E-09
7517	470328.92	3819550.31	9.39E-09	3.94E-08	3.55E-09	5.23E-08	7.82E-09	2.90E-08	2.55E-09	3.93E-08	8.86E-10	5.07E-09	6.05E-10	6.57E-09	8.06E-10	2.66E-09	1.83E-10	3.65E-09
7518	470320.36	3819553.73	9.67E-09	4.06E-08	3.66E-09	5.39E-08	8.06E-09	2.98E-08	2.63E-09	4.05E-08	9.13E-10	5.23E-09	6.24E-10	6.77E-09	8.30E-10	2.74E-09	1.89E-10	3.76E-09
7519	470311.8	3819557.14	9.96E-09	4.18E-08	3.77E-09	5.56E-08	8.30E-09	3.07E-08	2.70E-09	4.17E-08	9.41E-10	5.38E-09	6.42E-10	6.97E-09	8.55E-10	2.82E-09	1.94E-10	3.87E-09
7520	470303.25	3819560.56	1.02E-08	4.30E-08	3.87E-09	5.71E-08	8.53E-09	3.16E-08	2.78E-09	4.29E-08	9.67E-10	5.54E-09	6.61E-10	7.17E-09	8.80E-10	2.90E-09	2.00E-10	3.98E-09
7521	470399.25	3819451.86	1.02E-08	4.28E-08	3.86E-09	5.69E-08	8.50E-09	3.15E-08	2.77E-09	4.27E-08	9.63E-10	5.51E-09	6.58E-10	7.13E-09	8.76E-10	2.89E-09	1.99E-10	3.96E-09
7522	470399.33	3819442.21	1.06E-08	4.44E-08	4.00E-09	5.90E-08	8.81E-09	3.26E-08	2.87E-09	4.43E-08	9.99E-10	5.72E-09	6.82E-10	7.40E-09	9.08E-10	2.99E-09	2.06E-10	4.11E-09
7523	470399.41	3819432.56	1.09E-08	4.59E-08	4.13E-09	6.09E-08	9.09E-09	3.37E-08	2.96E-09	4.58E-08	1.03E-09	5.90E-09	7.04E-10	7.64E-09	9.37E-10	3.09E-09	2.13E-10	4.24E-09
7524	470399.49	3819422.91	1.12E-08	4.71E-08	4.24E-09	6.26E-08	9.35E-09	3.46E-08	3.05E-09	4.70E-08	1.06E-09	6.07E-09	7.24E-10	7.85E-09	9.63E-10	3.18E-09	2.19E-10	4.36E-09
7525	470399.58	3819413.27	1.15E-08	4.82E-08	4.34E-09	6.40E-08	9.55E-09	3.54E-08	3.11E-09	4.81E-08	1.08E-09	6.20E-09	7.40E-10	8.02E-09	9.84E-10	3.25E-09	2.24E-10	4.45E-09
7526	470399.66	3819403.62	1.17E-08	4.90E-08	4.41E-09	6.50E-08	9.71E-09	3.60E-08	3.17E-09	4.89E-08	1.10E-09	6.30E-09	7.52E-10	8.16E-09	1.00E-09	3.30E-09	2.28E-10	4.53E-09
7527	470399.74	3819393.97	1.18E-08	4.95E-08	4.46E-09	6.58E-08	9.82E-09	3.64E-08	3.20E-09	4.94E-08	1.11E-09	6.37E-09	7.60E-10	8.25E-09	1.01E-09	3.34E-09	2.30E-10	4.58E-09
7528	470399.82	3819384.32	1.19E-08	4.98E-08	4.48E-09	6.61E-08	9.87E-09	3.66E-08	3.22E-09	4.97E-08	1.12E-09	6.41E-09	7.64E-10	8.29E-09	1.02E-09	3.35E-09	2.31E-10	4.60E-09
7529	470399.91	3819374.67	1.18E-08	4.97E-08	4.48E-09	6.61E-08	9.87E-09	3.66E-08	3.22E-09	4.96E-08	1.12E-09	6.40E-09	7.64E-10	8.29E-09	1.02E-09	3.35E-09	2.31E-10	4.60E-09
7530	470399.99	3819365.03	1.18E-08	4.94E-08	4.45E-09	6.57E-08	9.80E-09	3.63E-08	3.20E-09	4.93E-08	1.11E-09	6.36E-09	7.59E-10	8.23E-09	1.01E-09	3.33E-09	2.30E-10	4.57E-09
7531	470400.07	3819355.38	1.16E-08	4.88E-08	4.40E-09	6.49E-08	9.69E-09	3.59E-08	3.16E-09	4.87E-08	1.10E-09	6.29E-09	7.50E-10	8.14E-09	9.98E-10	3.29E-09	2.27E-10	4.52E-09
7532	470400.16	3819345.73	1.14E-08	4.80E-08	4.32E-09	6.37E-08	9.51E-09	3.52E-08	3.10E-09	4.79E-08	1.08E-09	6.18E-09	7.37E-10	7.99E-09	9.81E-10	3.23E-09	2.23E-10	4.44E-09
7533	470400.24	3819336.08	1.12E-08	4.68E-08	4.22E-09	6.22E-08	9.29E-09	3.44E-08	3.03E-09	4.67E-08	1.05E-09	6.03E-09	7.20E-10	7.80E-09	9.58E-10	3.16E-09	2.18E-10	4.33E-09
7534	470400.32	3819326.43	1.08E-08	4.55E-08	4.09E-09	6.04E-08	9.02E-09	3.34E-08	2.94E-09	4.54E-08	1.02E-09	5.85E-09	6.98E-10	7.57E-09	9.29E-10	3.06E-09	2.11E-10	4.21E-09
7535	470400.4	3819316.78	1.04E-08	4.39E-08	3.95E-09	5.83E-08	8.70E-09	3.22E-08	2.84E-09	4.38E-08	9.86E-10	5.65E-09	6.74E-10	7.31E-09	8.97E-10	2.96E-09	2.04E-10	4.06E-09
7536	470400.49	3819307.14	1E-08	4.20E-08	3.79E-09	5.58E-08	8.34E-09	3.09E-08	2.72E-09	4.19E-08	9.45E-10	5.41E-09	6.46E-10	7.00E-09	8.59E-10	2.83E-09	1.95E-10	3.89E-09
7537	470400.57	3819297.49	9.53E-09	4.00E-08	3.60E-09	5.32E-08	7.94E-09	2.94E-08	2.59E-09	3.99E-08	9.00E-10	5.15E-09	6.15E-10	6.67E-09	8.18E-10	2.70E-09	1.86E-10	3.70E-09
7538	470400.65	3819287.84	9.02E-09	3.79E-08	3.41E-09	5.03E-08	7.51E-09	2.78E-08	2.45E-09	3.78E-08	8.51E-10	4.87E-09	5.82E-10	6.31E-09	7.74E-10	2.55E-09	1.76E-10	3.50E-09
7539	470400.73	3819278.19	8.47E-09	3.56E-08	3.20E-09	4.73E-08	7.06E-09	2.61E-08	2.30E-09	3.55E-08	8.00E-10	4.58E-09	5.47E-10	5.93E-09	7.27E-10	2.40E-09	1.65E-10	3.29E-09
7540	470400.82	3819268.54	7.91E-09	3.32E-08	2.99E-09	4.41E-08	6.59E-09	2.44E-08	2.15E-09	3.32E-08	7.47E-10	4.28E-09	5.10E-10	5.53E-09	6.79E-10	2.24E-09	1.54E-10	3.07E-09
7541	470400.9	3819258.9	7.34E-09	3.08E-08	2.78E-09	4.10E-08	6.12E-09	2.27E-08	1.99E-09	3.08E-08	6.93E-10	3.97E-09	4.74E-10	5.14E-09	6.30E-10	2.08E-09	1.43E-10	2.85E-09
7542	470400.98	3819249.25	6.78E-09	2.85E-08	2.56E-09	3.78E-08	5.64E-09	2.09E-08	1.84E-09	2.84E-08	6.40E-10	3.66E-09	4.37E-10	4.74E-09	5.82E-10	1.92E-09	1.32E-10	2.63E-09
7543	470415.73	3819460.27	8.65E-09	3.63E-08	3.27E-09	4.83E-08	7.21E-09	2.67E-08	2.35E-09	3.63E-08	8.17E-10	4.68E-09	5.58E-10	6.05E-09	7.43E-10	2.45E-09	1.69E-10	3.36E-09
7544	470408.71	3819476.76	8.51E-09	3.58E-08	3.22E-09	4.75E-08	7.09E-09	2.63E-08	2.31E-09	3.57E-08	8.04E-10	4.60E-09	5.49E-10	5.96E-09	7.31E-10	2.41E-09	1.66E-10	3.31E-09
7545	470401.7	3819493.24	8.27E-09	3.47E-08	3.13E-09	4.61E-08	6.89E-09	2.55E-08	2.25E-09	3.47E-08	7.81E-10	4.47E-09	5.34E-10	5.79E-09	7.10E-10	2.34E-09	1.61E-10	3.21E-09
7546	470394.68	3819509.72	7.95E-09	3.34E-08	3.01E-09	4.44E-08	6.62E-09	2.45E-08	2.16E-09	3.33E-08	7.51E-10	4.30E-09	5.13E-10	5.56E-09	6.83E-10	2.25E-09	1.55E-10	3.09E-09

7547	470387.66	3819526.21	7.58E-09	3.19E-08	2.87E-09	4.23E-08	6.32E-09	2.34E-08	2.06E-09	3.18E-08	7.16E-10	4.10E-09	4.89E-10	5.31E-09	6.51E-10	2.15E-09	1.48E-10	2.95E-09
7548	470380.64	3819542.69	7.21E-09	3.03E-08	2.73E-09	4.02E-08	6.01E-09	2.22E-08	1.96E-09	3.02E-08	6.81E-10	3.90E-09	4.65E-10	5.04E-09	6.19E-10	2.04E-09	1.41E-10	2.80E-09
7549	470368.81	3819554.26	7.22E-09	3.03E-08	2.73E-09	4.03E-08	6.02E-09	2.23E-08	1.96E-09	3.03E-08	6.82E-10	3.90E-09	4.66E-10	5.05E-09	6.20E-10	2.04E-09	1.41E-10	2.81E-09
7550	470352.17	3819560.9	7.63E-09	3.21E-08	2.89E-09	4.26E-08	6.36E-09	2.36E-08	2.07E-09	3.20E-08	7.21E-10	4.13E-09	4.92E-10	5.34E-09	6.55E-10	2.16E-09	1.49E-10	2.96E-09
7551	470335.53	3819567.55	8.06E-09	3.39E-08	3.05E-09	4.50E-08	6.71E-09	2.49E-08	2.19E-09	3.38E-08	7.61E-10	4.36E-09	5.20E-10	5.64E-09	6.92E-10	2.28E-09	1.57E-10	3.13E-09
7552	470318.89	3819574.2	8.5E-09	3.57E-08	3.22E-09	4.74E-08	7.08E-09	2.62E-08	2.31E-09	3.56E-08	8.03E-10	4.60E-09	5.49E-10	5.95E-09	7.30E-10	2.41E-09	1.66E-10	3.30E-09
7553	470302.26	3819580.85	8.95E-09	3.76E-08	3.38E-09	4.99E-08	7.45E-09	2.76E-08	2.43E-09	3.75E-08	8.45E-10	4.84E-09	5.77E-10	6.26E-09	7.68E-10	2.53E-09	1.75E-10	3.47E-09
7554	470419.33	3819442.38	8.95E-09	3.76E-08	3.38E-09	4.99E-08	7.45E-09	2.76E-08	2.43E-09	3.75E-08	8.45E-10	4.84E-09	5.77E-10	6.26E-09	7.68E-10	2.53E-09	1.75E-10	3.48E-09
7555	470419.41	3819432.73	9.19E-09	3.86E-08	3.48E-09	5.13E-08	7.66E-09	2.84E-08	2.50E-09	3.85E-08	8.68E-10	4.97E-09	5.93E-10	6.43E-09	7.89E-10	2.60E-09	1.79E-10	3.57E-09
7556	470419.49	3819423.09	9.4E-09	3.95E-08	3.56E-09	5.24E-08	7.83E-09	2.90E-08	2.55E-09	3.94E-08	8.88E-10	5.08E-09	6.06E-10	6.58E-09	8.07E-10	2.66E-09	1.83E-10	3.65E-09
7557	470419.58	3819413.44	9.57E-09	4.02E-08	3.62E-09	5.34E-08	7.97E-09	2.95E-08	2.60E-09	4.01E-08	9.04E-10	5.18E-09	6.17E-10	6.70E-09	8.22E-10	2.71E-09	1.87E-10	3.72E-09
7558	470419.66	3819403.79	9.7E-09	4.07E-08	3.67E-09	5.41E-08	8.08E-09	2.99E-08	2.63E-09	4.06E-08	9.16E-10	5.24E-09	6.26E-10	6.79E-09	8.33E-10	2.75E-09	1.89E-10	3.77E-09
7559	470419.74	3819394.14	9.78E-09	4.11E-08	3.70E-09	5.46E-08	8.15E-09	3.02E-08	2.66E-09	4.10E-08	9.24E-10	5.29E-09	6.31E-10	6.84E-09	8.40E-10	2.77E-09	1.91E-10	3.80E-09
7560	470419.82	3819384.49	9.81E-09	4.12E-08	3.71E-09	5.47E-08	8.17E-09	3.03E-08	2.66E-09	4.11E-08	9.27E-10	5.30E-09	6.33E-10	6.86E-09	8.42E-10	2.78E-09	1.91E-10	3.81E-09
7561	470419.91	3819374.84	9.79E-09	4.11E-08	3.70E-09	5.46E-08	8.16E-09	3.02E-08	2.66E-09	4.10E-08	9.25E-10	5.29E-09	6.32E-10	6.85E-09	8.41E-10	2.77E-09	1.91E-10	3.80E-09
7562	470419.99	3819365.2	9.72E-09	4.08E-08	3.68E-09	5.42E-08	8.10E-09	3.00E-08	2.64E-09	4.07E-08	9.18E-10	5.25E-09	6.27E-10	6.80E-09	8.34E-10	2.75E-09	1.90E-10	3.77E-09
7563	470420.07	3819355.55	9.6E-09	4.03E-08	3.63E-09	5.35E-08	7.99E-09	2.96E-08	2.60E-09	4.02E-08	9.06E-10	5.19E-09	6.19E-10	6.71E-09	8.24E-10	2.72E-09	1.87E-10	3.73E-09
7564	470420.15	3819345.9	9.42E-09	3.96E-08	3.56E-09	5.26E-08	7.85E-09	2.91E-08	2.56E-09	3.95E-08	8.90E-10	5.09E-09	6.08E-10	6.59E-09	8.09E-10	2.67E-09	1.84E-10	3.66E-09
7565	470420.24	3819336.25	9.2E-09	3.86E-08	3.48E-09	5.13E-08	7.66E-09	2.84E-08	2.50E-09	3.86E-08	8.69E-10	4.97E-09	5.93E-10	6.44E-09	7.90E-10	2.60E-09	1.80E-10	3.57E-09
7566	470420.32	3819326.6	8.94E-09	3.75E-08	3.38E-09	4.98E-08	7.44E-09	2.76E-08	2.43E-09	3.74E-08	8.44E-10	4.83E-09	5.76E-10	6.25E-09	7.67E-10	2.53E-09	1.74E-10	3.47E-09
7567	470420.4	3819316.96	8.63E-09	3.62E-08	3.26E-09	4.81E-08	7.19E-09	2.66E-08	2.34E-09	3.62E-08	8.15E-10	4.66E-09	5.57E-10	6.04E-09	7.41E-10	2.44E-09	1.68E-10	3.35E-09
7568	470420.49	3819307.31	8.28E-09	3.48E-08	3.13E-09	4.62E-08	6.90E-09	2.56E-08	2.25E-09	3.47E-08	7.82E-10	4.48E-09	5.34E-10	5.79E-09	7.11E-10	2.34E-09	1.62E-10	3.22E-09
7569	470420.57	3819297.66	7.91E-09	3.32E-08	2.99E-09	4.41E-08	6.59E-09	2.44E-08	2.15E-09	3.31E-08	7.47E-10	4.27E-09	5.10E-10	5.53E-09	6.79E-10	2.24E-09	1.54E-10	3.07E-09
7570	470420.65	3819288.01	7.5E-09	3.15E-08	2.84E-09	4.18E-08	6.25E-09	2.32E-08	2.04E-09	3.14E-08	7.08E-10	4.06E-09	4.84E-10	5.25E-09	6.44E-10	2.12E-09	1.46E-10	2.91E-09
7571	470420.73	3819278.36	7.08E-09	2.97E-08	2.68E-09	3.95E-08	5.90E-09	2.18E-08	1.92E-09	2.97E-08	6.68E-10	3.83E-09	4.57E-10	4.95E-09	6.08E-10	2.00E-09	1.38E-10	2.75E-09
7572	470420.82	3819268.71	6.64E-09	2.79E-08	2.51E-09	3.70E-08	5.53E-09	2.05E-08	1.80E-09	2.78E-08	6.27E-10	3.59E-09	4.28E-10	4.65E-09	5.70E-10	1.88E-09	1.30E-10	2.58E-09
7573	470420.9	3819259.07	6.2E-09	2.60E-08	2.34E-09	3.46E-08	5.16E-09	1.91E-08	1.68E-09	2.60E-08	5.85E-10	3.35E-09	4.00E-10	4.34E-09	5.32E-10	1.75E-09	1.21E-10	2.41E-09
7574	470420.98	3819249.42	5.76E-09	2.42E-08	2.18E-09	3.21E-08	4.80E-09	1.78E-08	1.56E-09	2.41E-08	5.44E-10	3.11E-09	3.71E-10	4.03E-09	4.94E-10	1.63E-09	1.12E-10	2.24E-09
7575	470435.54	3819460.9	7.46E-09	3.13E-08	2.82E-09	4.16E-08	6.22E-09	2.30E-08	2.03E-09	3.13E-08	7.05E-10	4.03E-09	4.81E-10	5.22E-09	6.41E-10	2.11E-09	1.46E-10	2.90E-09
7576	470431.84	3819469.59	7.43E-09	3.12E-08	2.81E-09	4.15E-08	6.19E-09	2.29E-08	2.02E-09	3.11E-08	7.02E-10	4.02E-09	4.79E-10	5.20E-09	6.38E-10	2.10E-09	1.45E-10	2.89E-09
7577	470428.14	3819478.29	7.38E-09	3.10E-08	2.79E-09	4.11E-08	6.14E-09	2.28E-08	2.00E-09	3.09E-08	6.97E-10	3.99E-09	4.76E-10	5.16E-09	6.33E-10	2.09E-09	1.44E-10	2.87E-09
7578	470424.43	3819486.98	7.3E-09	3.07E-08	2.76E-09	4.07E-08	6.08E-09	2.25E-08	1.98E-09	3.06E-08	6.89E-10	3.95E-09	4.71E-10	5.11E-09	6.27E-10	2.07E-09	1.42E-10	2.84E-09
7579	470420.73	3819495.68	7.2E-09	3.02E-08	2.72E-09	4.02E-08	6.00E-09	2.22E-08	1.95E-09	3.02E-08	6.80E-10	3.89E-09	4.64E-10	5.04E-09	6.18E-10	2.04E-09	1.41E-10	2.80E-09
7580	470417.03	3819504.37	7.08E-09	2.97E-08	2.68E-09	3.95E-08	5.90E-09	2.19E-08	1.92E-09	2.97E-08	6.69E-10	3.83E-09	4.57E-10	4.95E-09	6.08E-10	2.00E-09	1.38E-10	2.75E-09
7581	470413.32	3819513.06	6.95E-09	2.92E-08	2.63E-09	3.88E-08	5.79E-09	2.14E-08	1.89E-09	2.91E-08	6.56E-10	3.76E-09	4.48E-10	4.86E-09	5.97E-10	1.97E-09	1.36E-10	2.70E-09
7582	470409.62	3819521.76	6.81E-09	2.86E-08	2.57E-09	3.80E-08	5.67E-09	2.10E-08	1.85E-09	2.85E-08	6.43E-10	3.68E-09	4.39E-10	4.76E-09	5.84E-10	1.93E-09	1.33E-10	2.64E-09
7583	470405.92	3819530.45	6.66E-09	2.80E-08	2.52E-09	3.71E-08	5.54E-09	2.05E-08	1.81E-09	2.79E-08	6.28E-10	3.60E-09	4.29E-10	4.66E-09	5.71E-10	1.88E-09	1.30E-10	2.59E-09
7584	470402.22	3819539.15	6.5E-09	2.73E-08	2.46E-09	3.63E-08	5.42E-09	2.01E-08	1.76E-09	2.72E-08	6.14E-10	3.51E-09	4.19E-10	4.55E-09	5.58E-10	1.84E-09	1.27E-10	2.53E-09
7585	470398.51	3819547.84	6.35E-09	2.66E-08	2.40E-09	3.54E-08	5.29E-09	1.96E-08	1.72E-09	2.66E-08	5.99E-10	3.43E-09	4.09E-10	4.44E-09	5.45E-10	1.80E-09	1.24E-10	2.46E-09
7586	470394.81	3819556.54	6.19E-09	2.60E-08	2.34E-09	3.45E-08	5.15E-09	1.91E-08	1.68E-09	2.59E-08	5.84E-10	3.35E-09	3.99E-10	4.33E-09	5.31E-10	1.75E-09	1.21E-10	2.40E-09
7587	470382.33	3819568.74	6.2E-09	2.60E-08	2.34E-09	3.46E-08	5.16E-09	1.91E-08	1.68E-09	2.60E-08	5.85E-10	3.35E-09	4.00E-10	4.33E-09	5.32E-10	1.75E-09	1.21E-10	2.41E-09
7588	470373.56	3819572.25	6.37E-09	2.67E-08	2.41E-09	3.55E-08	5.30E-09	1.96E-08	1.73E-09	2.67E-08	6.01E-10	3.44E-09	4.11E-10	4.45E-09	5.46E-10	1.80E-09	1.24E-10	2.47E-09
7589	470364.78	3819575.75	6.54E-09	2.75E-08	2.47E-09	3.65E-08	5.45E-09	2.02E-08	1.78E-09	2.74E-08	6.18E-10	3.54E-09	4.22E-10	4.57E-09	5.61E-10	1.85E-09	1.28E-10	2.54E-09
7590	470356	3819579.26	6.72E-09	2.82E-08	2.54E-09	3.75E-08	5.60E-09	2.07E-08	1.82E-09	2.81E-08	6.34E-10	3.63E-09	4.33E-10	4.70E-09	5.77E-10	1.90E-09	1.31E-10	2.61E-09
7591	470347.23	3819582.76	6.9E-09	2.90E-08	2.61E-09	3.85E-08	5.75E-09	2.13E-08	1.87E-09	2.89E-08	6.52E-10	3.73E-09	4.45E-10	4.83E-09	5.92E-10	1.95E-09	1.35E-10	2.68E-09
7592	470338.45	3819586.27	7.09E-09	2.98E-08	2.68E-09	3.95E-08	5.90E-09	2.19E-08	1.92E-09	2.97E-08	6.69E-10	3.83E-09	4.57E-10	4.96E-09	6.08E-10	2.01E-09	1.38E-10	2.75E-09
7593	470329.68	3819589.78	7.28E-09	3.06E-08	2.75E-09	4.06E-08	6.06E-09	2.25E-08	1.98E-09	3.05E-08	6.87E-10	3.93E-09	4.69E-10	5.09E-09	6.25E-10	2.06E-09	1.42E-10	2.83E-09
7594	470320.9	3819593.28	7.47E-09	3.14E-08	2.82E-09	4.17E-08	6.22E-09	2.30E-08	2.03E-09	3.13E-08	7.05E-10	4.04E-09	4.82E-10	5.22E-09	6.41E-10	2.11E-09	1.46E-10	2.90E-09
7595	470312.13	3819596.79	7.66E-09	3.22E-08	2.90E-09	4.27E-08	6.38E-09	2.36E-08	2.08E-09	3.21E-08	7.23E-10	4.14E-09	4.94E-10	5.36E-09	6.57E-10	2.17E-09	1.49E-10	2.97E-09
7596	470303.35	3819600.3	7.85E-09	3.30E-08	2.97E-09	4.38E-08	6.54E-09	2.42E-08	2.13E-09	3.29E-08	7.41E-10	4.24E-09	5.06E-10	5.49E-09	6.74E-10	2.22E-09	1.53E-10	3.05E-09

7597	470439.24	3819452.2	7.47E-09	3.14E-08	2.82E-09	4.16E-08	6.22E-09	2.30E-08	2.03E-09	3.13E-08	7.05E-10	4.04E-09	4.82E-10	5.22E-09	6.41E-10	2.11E-09	1.46E-10	2.90E-09
7598	470439.33	3819442.55	7.66E-09	3.22E-08	2.90E-09	4.27E-08	6.38E-09	2.36E-08	2.08E-09	3.21E-08	7.24E-10	4.14E-09	4.94E-10	5.36E-09	6.58E-10	2.17E-09	1.50E-10	2.98E-09
7599	470439.41	3819432.91	7.84E-09	3.29E-08	2.96E-09	4.37E-08	6.53E-09	2.42E-08	2.13E-09	3.28E-08	7.40E-10	4.24E-09	5.06E-10	5.48E-09	6.73E-10	2.22E-09	1.53E-10	3.04E-09
7600	470439.49	3819423.26	7.99E-09	3.35E-08	3.02E-09	4.46E-08	6.65E-09	2.46E-08	2.17E-09	3.35E-08	7.54E-10	4.32E-09	5.15E-10	5.59E-09	6.86E-10	2.26E-09	1.56E-10	3.10E-09
7601	470439.58	3819413.61	8.11E-09	3.40E-08	3.07E-09	4.52E-08	6.75E-09	2.50E-08	2.20E-09	3.40E-08	7.65E-10	4.38E-09	5.23E-10	5.67E-09	6.96E-10	2.29E-09	1.58E-10	3.15E-09
7602	470439.66	3819403.96	8.19E-09	3.44E-08	3.10E-09	4.57E-08	6.82E-09	2.53E-08	2.22E-09	3.43E-08	7.74E-10	4.43E-09	5.28E-10	5.73E-09	7.03E-10	2.32E-09	1.60E-10	3.18E-09
7603	470439.74	3819394.31	8.24E-09	3.46E-08	3.12E-09	4.60E-08	6.86E-09	2.54E-08	2.24E-09	3.45E-08	7.78E-10	4.45E-09	5.32E-10	5.76E-09	7.07E-10	2.33E-09	1.61E-10	3.20E-09
7604	470439.82	3819384.66	8.25E-09	3.47E-08	3.12E-09	4.60E-08	6.87E-09	2.55E-08	2.24E-09	3.46E-08	7.79E-10	4.46E-09	5.32E-10	5.77E-09	7.08E-10	2.34E-09	1.61E-10	3.21E-09
7605	470439.91	3819375.02	8.22E-09	3.45E-08	3.11E-09	4.59E-08	6.85E-09	2.54E-08	2.23E-09	3.45E-08	7.76E-10	4.45E-09	5.30E-10	5.75E-09	7.06E-10	2.33E-09	1.60E-10	3.19E-09
7606	470439.99	3819365.37	8.15E-09	3.42E-08	3.08E-09	4.55E-08	6.79E-09	2.52E-08	2.21E-09	3.42E-08	7.70E-10	4.41E-09	5.26E-10	5.70E-09	7.00E-10	2.31E-09	1.59E-10	3.17E-09
7607	470440.07	3819355.72	8.05E-09	3.38E-08	3.04E-09	4.49E-08	6.70E-09	2.48E-08	2.18E-09	3.37E-08	7.60E-10	4.35E-09	5.19E-10	5.63E-09	6.91E-10	2.28E-09	1.57E-10	3.13E-09
7608	470440.15	3819346.07	7.9E-09	3.32E-08	2.99E-09	4.41E-08	6.58E-09	2.44E-08	2.15E-09	3.31E-08	7.46E-10	4.27E-09	5.10E-10	5.53E-09	6.78E-10	2.24E-09	1.54E-10	3.07E-09
7609	470440.24	3819336.42	7.72E-09	3.24E-08	2.92E-09	4.31E-08	6.43E-09	2.38E-08	2.10E-09	3.23E-08	7.29E-10	4.17E-09	4.98E-10	5.40E-09	6.63E-10	2.19E-09	1.51E-10	3.00E-09
7610	470440.32	3819326.78	7.5E-09	3.15E-08	2.84E-09	4.18E-08	6.25E-09	2.32E-08	2.04E-09	3.14E-08	7.08E-10	4.06E-09	4.84E-10	5.25E-09	6.44E-10	2.12E-09	1.46E-10	2.91E-09
7611	470440.4	3819317.13	7.25E-09	3.05E-08	2.74E-09	4.05E-08	6.04E-09	2.24E-08	1.97E-09	3.04E-08	6.85E-10	3.92E-09	4.68E-10	5.07E-09	6.23E-10	2.05E-09	1.42E-10	2.82E-09
7612	470440.49	3819307.48	6.98E-09	2.93E-08	2.64E-09	3.89E-08	5.81E-09	2.15E-08	1.89E-09	2.92E-08	6.59E-10	3.77E-09	4.50E-10	4.88E-09	5.99E-10	1.97E-09	1.36E-10	2.71E-09
7613	470440.57	3819297.83	6.67E-09	2.80E-08	2.52E-09	3.72E-08	5.56E-09	2.06E-08	1.81E-09	2.80E-08	6.30E-10	3.61E-09	4.31E-10	4.67E-09	5.73E-10	1.89E-09	1.30E-10	2.59E-09
7614	470440.65	3819288.18	6.35E-09	2.67E-08	2.40E-09	3.54E-08	5.29E-09	1.96E-08	1.72E-09	2.66E-08	6.00E-10	3.43E-09	4.10E-10	4.44E-09	5.45E-10	1.80E-09	1.24E-10	2.47E-09
7615	470440.73	3819278.53	6.02E-09	2.53E-08	2.28E-09	3.36E-08	5.01E-09	1.86E-08	1.63E-09	2.52E-08	5.68E-10	3.25E-09	3.88E-10	4.21E-09	5.16E-10	1.70E-09	1.17E-10	2.34E-09
7616	470440.82	3819268.89	5.67E-09	2.38E-08	2.14E-09	3.16E-08	4.72E-09	1.75E-08	1.54E-09	2.38E-08	5.35E-10	3.06E-09	3.66E-10	3.97E-09	4.87E-10	1.60E-09	1.11E-10	2.20E-09
7617	470440.9	3819259.24	5.32E-09	2.23E-08	2.01E-09	2.97E-08	4.43E-09	1.64E-08	1.44E-09	2.23E-08	5.02E-10	2.87E-09	3.43E-10	3.72E-09	4.57E-10	1.51E-09	1.04E-10	2.07E-09
7618	470440.98	3819249.59	4.97E-09	2.09E-08	1.88E-09	2.77E-08	4.14E-09	1.53E-08	1.35E-09	2.08E-08	4.69E-10	2.68E-09	3.20E-10	3.47E-09	4.26E-10	1.41E-09	9.69E-11	1.93E-09
7619	470455.63	3819460.85	6.49E-09	2.73E-08	2.46E-09	3.62E-08	5.41E-09	2.00E-08	1.76E-09	2.72E-08	6.13E-10	3.51E-09	4.19E-10	4.54E-09	5.58E-10	1.84E-09	1.27E-10	2.52E-09
7620	470452.02	3819469.33	6.49E-09	2.72E-08	2.45E-09	3.62E-08	5.40E-09	2.00E-08	1.76E-09	2.72E-08	6.12E-10	3.51E-09	4.18E-10	4.54E-09	5.57E-10	1.84E-09	1.27E-10	2.52E-09
7621	470448.41	3819477.81	6.46E-09	2.71E-08	2.44E-09	3.60E-08	5.38E-09	1.99E-08	1.75E-09	2.71E-08	6.10E-10	3.49E-09	4.16E-10	4.52E-09	5.54E-10	1.83E-09	1.26E-10	2.51E-09
7622	470444.8	3819486.28	6.41E-09	2.69E-08	2.42E-09	3.58E-08	5.34E-09	1.98E-08	1.74E-09	2.69E-08	6.05E-10	3.47E-09	4.14E-10	4.49E-09	5.50E-10	1.81E-09	1.25E-10	2.49E-09
7623	470441.19	3819494.76	6.35E-09	2.67E-08	2.40E-09	3.54E-08	5.29E-09	1.96E-08	1.72E-09	2.66E-08	6.00E-10	3.43E-09	4.10E-10	4.44E-09	5.45E-10	1.80E-09	1.24E-10	2.47E-09
7624	470437.58	3819503.24	6.27E-09	2.63E-08	2.37E-09	3.50E-08	5.22E-09	1.94E-08	1.70E-09	2.63E-08	5.92E-10	3.39E-09	4.04E-10	4.39E-09	5.38E-10	1.78E-09	1.22E-10	2.44E-09
7625	470433.97	3819511.71	6.18E-09	2.60E-08	2.34E-09	3.45E-08	5.15E-09	1.91E-08	1.68E-09	2.59E-08	5.84E-10	3.34E-09	3.99E-10	4.32E-09	5.31E-10	1.75E-09	1.21E-10	2.40E-09
7626	470430.36	3819520.19	6.08E-09	2.55E-08	2.30E-09	3.39E-08	5.06E-09	1.88E-08	1.65E-09	2.55E-08	5.74E-10	3.29E-09	3.92E-10	4.25E-09	5.22E-10	1.72E-09	1.19E-10	2.36E-09
7627	470426.75	3819528.67	5.97E-09	2.51E-08	2.26E-09	3.33E-08	4.97E-09	1.84E-08	1.62E-09	2.50E-08	5.63E-10	3.23E-09	3.85E-10	4.17E-09	5.12E-10	1.69E-09	1.16E-10	2.32E-09
7628	470423.14	3819537.15	5.85E-09	2.46E-08	2.21E-09	3.26E-08	4.87E-09	1.81E-08	1.59E-09	2.45E-08	5.53E-10	3.16E-09	3.77E-10	4.09E-09	5.02E-10	1.66E-09	1.14E-10	2.27E-09
7629	470419.53	3819545.62	5.73E-09	2.41E-08	2.17E-09	3.20E-08	4.78E-09	1.77E-08	1.56E-09	2.40E-08	5.41E-10	3.10E-09	3.70E-10	4.01E-09	4.92E-10	1.62E-09	1.12E-10	2.23E-09
7630	470415.92	3819554.1	5.61E-09	2.36E-08	2.12E-09	3.13E-08	4.67E-09	1.73E-08	1.52E-09	2.35E-08	5.30E-10	3.03E-09	3.62E-10	3.92E-09	4.82E-10	1.59E-09	1.09E-10	2.18E-09
7631	470412.31	3819562.58	5.49E-09	2.30E-08	2.07E-09	3.06E-08	4.57E-09	1.69E-08	1.49E-09	2.30E-08	5.18E-10	2.97E-09	3.54E-10	3.84E-09	4.71E-10	1.55E-09	1.07E-10	2.13E-09
7632	470408.7	3819571.06	5.36E-09	2.25E-08	2.03E-09	2.99E-08	4.47E-09	1.65E-08	1.46E-09	2.25E-08	5.06E-10	2.90E-09	3.46E-10	3.75E-09	4.60E-10	1.52E-09	1.05E-10	2.08E-09
7633	470396.53	3819582.95	5.37E-09	2.25E-08	2.03E-09	2.99E-08	4.47E-09	1.66E-08	1.46E-09	2.25E-08	5.07E-10	2.90E-09	3.46E-10	3.76E-09	4.61E-10	1.52E-09	1.05E-10	2.09E-09
7634	470387.98	3819586.37	5.5E-09	2.31E-08	2.08E-09	3.07E-08	4.58E-09	1.70E-08	1.49E-09	2.31E-08	5.19E-10	2.97E-09	3.55E-10	3.85E-09	4.72E-10	1.56E-09	1.07E-10	2.14E-09
7635	470379.42	3819589.79	5.64E-09	2.37E-08	2.13E-09	3.14E-08	4.70E-09	1.74E-08	1.53E-09	2.36E-08	5.32E-10	3.05E-09	3.64E-10	3.94E-09	4.84E-10	1.60E-09	1.10E-10	2.19E-09
7636	470370.86	3819593.21	5.78E-09	2.43E-08	2.18E-09	3.22E-08	4.81E-09	1.78E-08	1.57E-09	2.42E-08	5.45E-10	3.12E-09	3.73E-10	4.04E-09	4.96E-10	1.64E-09	1.13E-10	2.24E-09
7637	470362.31	3819596.63	5.92E-09	2.49E-08	2.24E-09	3.30E-08	4.93E-09	1.83E-08	1.61E-09	2.48E-08	5.59E-10	3.20E-09	3.82E-10	4.14E-09	5.08E-10	1.68E-09	1.15E-10	2.30E-09
7638	470353.75	3819600.04	6.07E-09	2.55E-08	2.29E-09	3.38E-08	5.05E-09	1.87E-08	1.65E-09	2.54E-08	5.73E-10	3.28E-09	3.91E-10	4.24E-09	5.21E-10	1.72E-09	1.18E-10	2.36E-09
7639	470345.2	3819603.46	6.22E-09	2.61E-08	2.35E-09	3.47E-08	5.18E-09	1.92E-08	1.69E-09	2.60E-08	5.87E-10	3.36E-09	4.01E-10	4.35E-09	5.34E-10	1.76E-09	1.21E-10	2.41E-09
7640	470336.64	3819606.88	6.37E-09	2.67E-08	2.41E-09	3.55E-08	5.31E-09	1.97E-08	1.73E-09	2.67E-08	6.01E-10	3.44E-09	4.11E-10	4.46E-09	5.47E-10	1.80E-09	1.24E-10	2.47E-09
7641	470328.08	3819610.3	6.52E-09	2.74E-08	2.47E-09	3.64E-08	5.43E-09	2.01E-08	1.77E-09	2.73E-08	6.16E-10	3.53E-09	4.21E-10	4.56E-09	5.60E-10	1.85E-09	1.27E-10	2.53E-09
7642	470319.53	3819613.72	6.68E-09	2.80E-08	2.53E-09	3.73E-08	5.56E-09	2.06E-08	1.81E-09	2.80E-08	6.31E-10	3.61E-09	4.31E-10	4.67E-09	5.73E-10	1.89E-09	1.30E-10	2.59E-09
7643	470310.97	3819617.14	6.83E-09	2.87E-08	2.58E-09	3.81E-08	5.69E-09	2.11E-08	1.85E-09	2.86E-08	6.45E-10	3.69E-09	4.41E-10	4.78E-09	5.87E-10	1.93E-09	1.33E-10	2.65E-09
7644	470302.41	3819620.56	6.99E-09	2.93E-08	2.64E-09	3.90E-08	5.82E-09	2.16E-08	1.90E-09	2.93E-08	6.60E-10	3.78E-09	4.51E-10	4.89E-09	6.00E-10	1.98E-09	1.36E-10	2.71E-09
7645	470459.24	3819452.37	6.48E-09	2.72E-08	2.45E-09	3.62E-08	5.40E-09	2.00E-08	1.76E-09	2.72E-08	6.12E-10	3.51E-09	4.18E-10	4.54E-09	5.57E-10	1.84E-09	1.27E-10	2.52E-09
7646	470459.33	3819442.73	6.63E-09	2.78E-08	2.51E-09	3.70E-08	5.52E-09	2.05E-08	1.80E-09	2.78E-08	6.26E-10	3.58E-09	4.28E-10	4.64E-09	5.69E-10	1.88E-09	1.29E-10	2.58E-09

7647	470459.41	3819433.08	6.76E-09	2.84E-08	2.56E-09	3.77E-08	5.63E-09	2.09E-08	1.83E-09	2.83E-08	6.38E-10	3.65E-09	4.36E-10	4.73E-09	5.80E-10	1.91E-09	1.32E-10	2.63E-09
7648	470459.49	3819423.43	6.87E-09	2.88E-08	2.60E-09	3.83E-08	5.72E-09	2.12E-08	1.86E-09	2.88E-08	6.48E-10	3.71E-09	4.43E-10	4.80E-09	5.89E-10	1.94E-09	1.34E-10	2.67E-09
7649	470459.57	3819413.78	6.95E-09	2.92E-08	2.63E-09	3.88E-08	5.79E-09	2.14E-08	1.89E-09	2.91E-08	6.56E-10	3.76E-09	4.48E-10	4.86E-09	5.96E-10	1.97E-09	1.36E-10	2.70E-09
7650	470459.66	3819404.13	7E-09	2.94E-08	2.65E-09	3.91E-08	5.83E-09	2.16E-08	1.90E-09	2.93E-08	6.61E-10	3.79E-09	4.52E-10	4.90E-09	6.01E-10	1.98E-09	1.37E-10	2.72E-09
7651	470459.74	3819394.48	7.03E-09	2.95E-08	2.66E-09	3.92E-08	5.86E-09	2.17E-08	1.91E-09	2.95E-08	6.64E-10	3.80E-09	4.54E-10	4.92E-09	6.04E-10	1.99E-09	1.37E-10	2.73E-09
7652	470459.82	3819384.84	7.03E-09	2.95E-08	2.66E-09	3.92E-08	5.86E-09	2.17E-08	1.91E-09	2.95E-08	6.64E-10	3.80E-09	4.53E-10	4.92E-09	6.04E-10	1.99E-09	1.37E-10	2.73E-09
7653	470459.91	3819375.19	7E-09	2.94E-08	2.65E-09	3.90E-08	5.83E-09	2.16E-08	1.90E-09	2.93E-08	6.61E-10	3.78E-09	4.51E-10	4.90E-09	6.01E-10	1.98E-09	1.37E-10	2.72E-09
7654	470459.99	3819365.54	6.94E-09	2.91E-08	2.62E-09	3.87E-08	5.78E-09	2.14E-08	1.88E-09	2.91E-08	6.55E-10	3.75E-09	4.47E-10	4.85E-09	5.95E-10	1.96E-09	1.35E-10	2.69E-09
7655	470460.07	3819355.89	6.84E-09	2.87E-08	2.59E-09	3.82E-08	5.70E-09	2.11E-08	1.86E-09	2.87E-08	6.46E-10	3.70E-09	4.41E-10	4.79E-09	5.87E-10	1.94E-09	1.34E-10	2.66E-09
7656	470460.15	3819346.24	6.72E-09	2.82E-08	2.54E-09	3.75E-08	5.60E-09	2.07E-08	1.82E-09	2.82E-08	6.35E-10	3.63E-09	4.33E-10	4.70E-09	5.77E-10	1.90E-09	1.31E-10	2.61E-09
7657	470460.24	3819336.6	6.57E-09	2.76E-08	2.48E-09	3.66E-08	5.47E-09	2.03E-08	1.78E-09	2.75E-08	6.20E-10	3.55E-09	4.24E-10	4.59E-09	5.64E-10	1.86E-09	1.28E-10	2.55E-09
7658	470460.32	3819326.95	6.39E-09	2.68E-08	2.42E-09	3.56E-08	5.32E-09	1.97E-08	1.73E-09	2.68E-08	6.03E-10	3.45E-09	4.12E-10	4.47E-09	5.48E-10	1.81E-09	1.25E-10	2.48E-09
7659	470460.4	3819317.3	6.19E-09	2.60E-08	2.34E-09	3.45E-08	5.15E-09	1.91E-08	1.68E-09	2.59E-08	5.84E-10	3.34E-09	3.99E-10	4.33E-09	5.31E-10	1.75E-09	1.21E-10	2.40E-09
7660	470460.48	3819307.65	5.96E-09	2.50E-08	2.25E-09	3.32E-08	4.96E-09	1.84E-08	1.62E-09	2.50E-08	5.63E-10	3.22E-09	3.84E-10	4.17E-09	5.12E-10	1.69E-09	1.16E-10	2.32E-09
7661	470460.57	3819298	5.72E-09	2.40E-08	2.16E-09	3.19E-08	4.76E-09	1.76E-08	1.55E-09	2.39E-08	5.40E-10	3.09E-09	3.69E-10	4.00E-09	4.91E-10	1.62E-09	1.12E-10	2.22E-09
7662	470460.65	3819288.35	5.46E-09	2.29E-08	2.06E-09	3.04E-08	4.54E-09	1.68E-08	1.48E-09	2.29E-08	5.15E-10	2.95E-09	3.52E-10	3.82E-09	4.68E-10	1.54E-09	1.06E-10	2.12E-09
7663	470460.73	3819278.71	5.18E-09	2.18E-08	1.96E-09	2.89E-08	4.32E-09	1.60E-08	1.41E-09	2.17E-08	4.90E-10	2.80E-09	3.34E-10	3.63E-09	4.45E-10	1.47E-09	1.01E-10	2.01E-09
7664	470460.82	3819269.06	4.9E-09	2.06E-08	1.85E-09	2.74E-08	4.08E-09	1.51E-08	1.33E-09	2.05E-08	4.63E-10	2.65E-09	3.16E-10	3.43E-09	4.21E-10	1.39E-09	9.57E-11	1.90E-09
7665	470460.9	3819259.41	4.62E-09	1.94E-08	1.75E-09	2.58E-08	3.85E-09	1.43E-08	1.25E-09	1.94E-08	4.36E-10	2.50E-09	2.98E-10	3.23E-09	3.97E-10	1.31E-09	9.02E-11	1.79E-09
7666	470460.98	3819249.76	4.34E-09	1.82E-08	1.64E-09	2.42E-08	3.61E-09	1.34E-08	1.18E-09	1.82E-08	4.09E-10	2.34E-09	2.80E-10	3.03E-09	3.72E-10	1.23E-09	8.46E-11	1.68E-09
7667	470475.48	3819461.38	5.7E-09	2.39E-08	2.15E-09	3.18E-08	4.75E-09	1.76E-08	1.55E-09	2.39E-08	5.38E-10	3.08E-09	3.67E-10	3.99E-09	4.89E-10	1.61E-09	1.11E-10	2.21E-09
7668	470471.72	3819470.21	5.7E-09	2.39E-08	2.16E-09	3.18E-08	4.75E-09	1.76E-08	1.55E-09	2.39E-08	5.38E-10	3.08E-09	3.68E-10	3.99E-09	4.89E-10	1.61E-09	1.11E-10	2.21E-09
7669	470467.96	3819479.04	5.69E-09	2.39E-08	2.15E-09	3.17E-08	4.74E-09	1.75E-08	1.54E-09	2.38E-08	5.37E-10	3.07E-09	3.67E-10	3.98E-09	4.88E-10	1.61E-09	1.11E-10	2.21E-09
7670	470464.2	3819487.87	5.66E-09	2.38E-08	2.14E-09	3.15E-08	4.71E-09	1.75E-08	1.54E-09	2.37E-08	5.34E-10	3.06E-09	3.65E-10	3.96E-09	4.86E-10	1.60E-09	1.10E-10	2.20E-09
7671	470460.44	3819496.7	5.61E-09	2.36E-08	2.12E-09	3.13E-08	4.67E-09	1.73E-08	1.52E-09	2.35E-08	5.30E-10	3.03E-09	3.62E-10	3.93E-09	4.82E-10	1.59E-09	1.10E-10	2.18E-09
7672	470456.68	3819505.53	5.55E-09	2.33E-08	2.10E-09	3.10E-08	4.63E-09	1.71E-08	1.51E-09	2.33E-08	5.24E-10	3.00E-09	3.58E-10	3.88E-09	4.77E-10	1.57E-09	1.08E-10	2.16E-09
7673	470452.92	3819514.36	5.48E-09	2.30E-08	2.07E-09	3.06E-08	4.57E-09	1.69E-08	1.49E-09	2.30E-08	5.18E-10	2.96E-09	3.54E-10	3.84E-09	4.71E-10	1.55E-09	1.07E-10	2.13E-09
7674	470449.16	3819523.19	5.4E-09	2.27E-08	2.04E-09	3.01E-08	4.50E-09	1.67E-08	1.47E-09	2.26E-08	5.10E-10	2.92E-09	3.48E-10	3.78E-09	4.64E-10	1.53E-09	1.05E-10	2.10E-09
7675	470445.4	3819532.02	5.31E-09	2.23E-08	2.01E-09	2.96E-08	4.43E-09	1.64E-08	1.44E-09	2.23E-08	5.02E-10	2.87E-09	3.43E-10	3.72E-09	4.56E-10	1.50E-09	1.04E-10	2.06E-09
7676	470441.64	3819540.85	5.22E-09	2.19E-08	1.97E-09	2.91E-08	4.35E-09	1.61E-08	1.42E-09	2.19E-08	4.93E-10	2.82E-09	3.37E-10	3.65E-09	4.48E-10	1.48E-09	1.02E-10	2.03E-09
7677	470437.88	3819549.68	5.12E-09	2.15E-08	1.94E-09	2.86E-08	4.27E-09	1.58E-08	1.39E-09	2.15E-08	4.84E-10	2.77E-09	3.30E-10	3.58E-09	4.40E-10	1.45E-09	9.99E-11	1.99E-09
7678	470434.11	3819558.51	5.02E-09	2.11E-08	1.90E-09	2.80E-08	4.18E-09	1.55E-08	1.36E-09	2.10E-08	4.74E-10	2.71E-09	3.24E-10	3.51E-09	4.31E-10	1.42E-09	9.79E-11	1.95E-09
7679	470430.35	3819567.34	4.91E-09	2.06E-08	1.86E-09	2.74E-08	4.09E-09	1.52E-08	1.33E-09	2.06E-08	4.64E-10	2.66E-09	3.17E-10	3.44E-09	4.22E-10	1.39E-09	9.59E-11	1.91E-09
7680	470426.59	3819576.17	4.81E-09	2.02E-08	1.82E-09	2.68E-08	4.00E-09	1.48E-08	1.31E-09	2.01E-08	4.54E-10	2.60E-09	3.10E-10	3.36E-09	4.13E-10	1.36E-09	9.38E-11	1.87E-09
7681	470422.83	3819585	4.7E-09	1.97E-08	1.78E-09	2.62E-08	3.92E-09	1.45E-08	1.28E-09	1.97E-08	4.44E-10	2.54E-09	3.03E-10	3.29E-09	4.04E-10	1.33E-09	9.17E-11	1.83E-09
7682	470410.16	3819597.39	4.71E-09	1.98E-08	1.78E-09	2.63E-08	3.92E-09	1.45E-08	1.28E-09	1.97E-08	4.44E-10	2.54E-09	3.04E-10	3.29E-09	4.04E-10	1.33E-09	9.18E-11	1.83E-09
7683	470401.25	3819600.96	4.82E-09	2.02E-08	1.82E-09	2.69E-08	4.01E-09	1.49E-08	1.31E-09	2.02E-08	4.55E-10	2.61E-09	3.11E-10	3.37E-09	4.14E-10	1.36E-09	9.40E-11	1.87E-09
7684	470392.33	3819604.52	4.93E-09	2.07E-08	1.87E-09	2.75E-08	4.11E-09	1.52E-08	1.34E-09	2.07E-08	4.66E-10	2.67E-09	3.18E-10	3.45E-09	4.24E-10	1.40E-09	9.63E-11	1.92E-09
7685	470383.42	3819608.08	5.05E-09	2.12E-08	1.91E-09	2.82E-08	4.21E-09	1.56E-08	1.37E-09	2.12E-08	4.77E-10	2.73E-09	3.26E-10	3.54E-09	4.34E-10	1.43E-09	9.86E-11	1.96E-09
7686	470374.51	3819611.64	5.18E-09	2.17E-08	1.96E-09	2.89E-08	4.31E-09	1.60E-08	1.41E-09	2.17E-08	4.89E-10	2.80E-09	3.34E-10	3.62E-09	4.44E-10	1.47E-09	1.01E-10	2.01E-09
7687	470365.59	3819615.2	5.3E-09	2.23E-08	2.01E-09	2.96E-08	4.42E-09	1.64E-08	1.44E-09	2.22E-08	5.01E-10	2.87E-09	3.42E-10	3.71E-09	4.55E-10	1.50E-09	1.03E-10	2.06E-09
7688	470356.68	3819618.76	5.43E-09	2.28E-08	2.05E-09	3.03E-08	4.52E-09	1.68E-08	1.47E-09	2.28E-08	5.13E-10	2.94E-09	3.50E-10	3.80E-09	4.66E-10	1.54E-09	1.06E-10	2.11E-09
7689	470347.77	3819622.32	5.56E-09	2.34E-08	2.10E-09	3.10E-08	4.63E-09	1.72E-08	1.51E-09	2.33E-08	5.25E-10	3.01E-09	3.59E-10	3.89E-09	4.78E-10	1.58E-09	1.09E-10	2.16E-09
7690	470338.86	3819625.88	5.7E-09	2.39E-08	2.16E-09	3.18E-08	4.75E-09	1.76E-08	1.55E-09	2.39E-08	5.38E-10	3.08E-09	3.68E-10	3.99E-09	4.89E-10	1.61E-09	1.11E-10	2.21E-09
7691	470329.94	3819629.44	5.84E-09	2.45E-08	2.21E-09	3.25E-08	4.86E-09	1.80E-08	1.58E-09	2.45E-08	5.51E-10	3.15E-09	3.76E-10	4.08E-09	5.01E-10	1.65E-09	1.14E-10	2.27E-09
7692	470321.03	3819633.01	5.97E-09	2.51E-08	2.26E-09	3.33E-08	4.97E-09	1.84E-08	1.62E-09	2.50E-08	5.64E-10	3.23E-09	3.85E-10	4.18E-09	5.13E-10	1.69E-09	1.17E-10	2.32E-09
7693	470312.12	3819636.57	6.11E-09	2.57E-08	2.31E-09	3.41E-08	5.09E-09	1.89E-08	1.66E-09	2.56E-08	5.77E-10	3.30E-09	3.94E-10	4.27E-09	5.25E-10	1.73E-09	1.19E-10	2.37E-09
7694	470303.2	3819640.13	6.25E-09	2.62E-08	2.36E-09	3.48E-08	5.20E-09	1.93E-08	1.70E-09	2.62E-08	5.90E-10	3.38E-09	4.03E-10	4.37E-09	5.36E-10	1.77E-09	1.22E-10	2.43E-09
7695	470479.24	3819452.54	5.68E-09	2.38E-08	2.15E-09	3.17E-08	4.73E-09	1.75E-08	1.54E-09	2.38E-08	5.36E-10	3.07E-09	3.66E-10	3.97E-09	4.87E-10	1.61E-09	1.11E-10	2.21E-09
7696	470479.33	3819442.9	5.79E-09	2.43E-08	2.19E-09	3.23E-08	4.82E-09	1.79E-08	1.57E-09	2.42E-08	5.46E-10	3.13E-09	3.73E-10	4.05E-09	4.97E-10	1.64E-09	1.13E-10	2.25E-09

7697	470479.41	3819433.25	5.88E-09	2.47E-08	2.22E-09	3.28E-08	4.90E-09	1.81E-08	1.60E-09	2.46E-08	5.55E-10	3.18E-09	3.79E-10	4.11E-09	5.05E-10	1.66E-09	1.15E-10	2.28E-09
7698	470479.49	3819423.6	5.96E-09	2.50E-08	2.25E-09	3.32E-08	4.96E-09	1.84E-08	1.62E-09	2.50E-08	5.63E-10	3.22E-09	3.84E-10	4.17E-09	5.11E-10	1.69E-09	1.16E-10	2.31E-09
7699	470479.57	3819413.95	6.02E-09	2.53E-08	2.28E-09	3.36E-08	5.01E-09	1.86E-08	1.63E-09	2.52E-08	5.68E-10	3.25E-09	3.88E-10	4.21E-09	5.16E-10	1.70E-09	1.17E-10	2.34E-09
7700	470479.66	3819404.3	6.05E-09	2.54E-08	2.29E-09	3.38E-08	5.04E-09	1.87E-08	1.64E-09	2.54E-08	5.71E-10	3.27E-09	3.90E-10	4.23E-09	5.20E-10	1.71E-09	1.18E-10	2.35E-09
7701	470479.74	3819394.66	6.07E-09	2.55E-08	2.29E-09	3.38E-08	5.05E-09	1.87E-08	1.65E-09	2.54E-08	5.73E-10	3.28E-09	3.91E-10	4.24E-09	5.21E-10	1.72E-09	1.18E-10	2.36E-09
7702	470479.82	3819385.01	6.06E-09	2.54E-08	2.29E-09	3.38E-08	5.05E-09	1.87E-08	1.64E-09	2.54E-08	5.72E-10	3.27E-09	3.91E-10	4.24E-09	5.20E-10	1.71E-09	1.18E-10	2.35E-09
7703	470479.9	3819375.36	6.02E-09	2.53E-08	2.28E-09	3.36E-08	5.02E-09	1.86E-08	1.64E-09	2.52E-08	5.69E-10	3.26E-09	3.89E-10	4.21E-09	5.17E-10	1.71E-09	1.18E-10	2.34E-09
7704	470479.99	3819365.71	5.97E-09	2.51E-08	2.26E-09	3.33E-08	4.97E-09	1.84E-08	1.62E-09	2.50E-08	5.63E-10	3.23E-09	3.85E-10	4.17E-09	5.12E-10	1.69E-09	1.16E-10	2.32E-09
7705	470480.07	3819356.06	5.89E-09	2.47E-08	2.23E-09	3.28E-08	4.90E-09	1.82E-08	1.60E-09	2.47E-08	5.56E-10	3.18E-09	3.80E-10	4.12E-09	5.05E-10	1.67E-09	1.15E-10	2.29E-09
7706	470480.15	3819346.41	5.78E-09	2.43E-08	2.19E-09	3.22E-08	4.82E-09	1.78E-08	1.57E-09	2.42E-08	5.46E-10	3.13E-09	3.73E-10	4.04E-09	4.96E-10	1.64E-09	1.13E-10	2.25E-09
7707	470480.24	3819336.77	5.65E-09	2.37E-08	2.14E-09	3.15E-08	4.71E-09	1.74E-08	1.53E-09	2.37E-08	5.34E-10	3.06E-09	3.65E-10	3.96E-09	4.85E-10	1.60E-09	1.10E-10	2.20E-09
7708	470480.32	3819327.12	5.51E-09	2.31E-08	2.08E-09	3.07E-08	4.59E-09	1.70E-08	1.49E-09	2.31E-08	5.20E-10	2.98E-09	3.55E-10	3.85E-09	4.73E-10	1.56E-09	1.07E-10	2.14E-09
7709	470480.4	3819317.47	5.34E-09	2.24E-08	2.02E-09	2.98E-08	4.45E-09	1.65E-08	1.45E-09	2.24E-08	5.04E-10	2.89E-09	3.44E-10	3.73E-09	4.58E-10	1.51E-09	1.04E-10	2.07E-09
7710	470480.48	3819307.82	5.15E-09	2.16E-08	1.95E-09	2.87E-08	4.29E-09	1.59E-08	1.40E-09	2.16E-08	4.87E-10	2.79E-09	3.32E-10	3.60E-09	4.42E-10	1.46E-09	1.01E-10	2.00E-09
7711	470480.57	3819298.17	4.95E-09	2.08E-08	1.87E-09	2.76E-08	4.13E-09	1.53E-08	1.34E-09	2.08E-08	4.68E-10	2.68E-09	3.19E-10	3.46E-09	4.25E-10	1.40E-09	9.66E-11	1.92E-09
7712	470480.65	3819288.53	4.74E-09	1.99E-08	1.79E-09	2.64E-08	3.95E-09	1.46E-08	1.29E-09	1.99E-08	4.48E-10	2.56E-09	3.06E-10	3.32E-09	4.07E-10	1.34E-09	9.25E-11	1.84E-09
7713	470480.73	3819278.88	4.52E-09	1.90E-08	1.71E-09	2.52E-08	3.76E-09	1.39E-08	1.23E-09	1.89E-08	4.27E-10	2.44E-09	2.91E-10	3.16E-09	3.88E-10	1.28E-09	8.82E-11	1.75E-09
7714	470480.81	3819269.23	4.29E-09	1.80E-08	1.62E-09	2.39E-08	3.57E-09	1.32E-08	1.16E-09	1.80E-08	4.05E-10	2.32E-09	2.77E-10	3.00E-09	3.68E-10	1.21E-09	8.37E-11	1.67E-09
7715	470480.9	3819259.58	4.06E-09	1.70E-08	1.53E-09	2.26E-08	3.38E-09	1.25E-08	1.10E-09	1.70E-08	3.83E-10	2.19E-09	2.62E-10	2.84E-09	3.48E-10	1.15E-09	7.92E-11	1.58E-09
7716	470480.98	3819249.93	3.82E-09	1.61E-08	1.45E-09	2.13E-08	3.18E-09	1.18E-08	1.04E-09	1.60E-08	3.61E-10	2.07E-09	2.47E-10	2.67E-09	3.28E-10	1.08E-09	7.46E-11	1.48E-09
7717	470495.56	3819461.35	5.03E-09	2.11E-08	1.90E-09	2.81E-08	4.19E-09	1.55E-08	1.37E-09	2.11E-08	4.75E-10	2.72E-09	3.24E-10	3.52E-09	4.32E-10	1.42E-09	9.81E-11	1.95E-09
7718	470491.89	3819469.98	5.04E-09	2.12E-08	1.91E-09	2.81E-08	4.20E-09	1.56E-08	1.37E-09	2.11E-08	4.76E-10	2.73E-09	3.25E-10	3.53E-09	4.33E-10	1.43E-09	9.84E-11	1.96E-09
7719	470488.21	3819478.62	5.04E-09	2.12E-08	1.91E-09	2.81E-08	4.20E-09	1.56E-08	1.37E-09	2.11E-08	4.76E-10	2.72E-09	3.25E-10	3.53E-09	4.33E-10	1.43E-09	9.83E-11	1.96E-09
7720	470484.53	3819487.25	5.03E-09	2.11E-08	1.90E-09	2.80E-08	4.19E-09	1.55E-08	1.36E-09	2.11E-08	4.75E-10	2.72E-09	3.24E-10	3.52E-09	4.32E-10	1.42E-09	9.81E-11	1.95E-09
7721	470480.86	3819495.89	5E-09	2.10E-08	1.89E-09	2.79E-08	4.17E-09	1.54E-08	1.36E-09	2.10E-08	4.72E-10	2.70E-09	3.23E-10	3.50E-09	4.29E-10	1.42E-09	9.76E-11	1.94E-09
7722	470477.18	3819504.52	4.96E-09	2.08E-08	1.88E-09	2.77E-08	4.14E-09	1.53E-08	1.35E-09	2.08E-08	4.69E-10	2.68E-09	3.20E-10	3.47E-09	4.26E-10	1.41E-09	9.69E-11	1.93E-09
7723	470473.5	3819513.16	4.92E-09	2.07E-08	1.86E-09	2.74E-08	4.10E-09	1.52E-08	1.33E-09	2.06E-08	4.64E-10	2.66E-09	3.17E-10	3.44E-09	4.22E-10	1.39E-09	9.60E-11	1.91E-09
7724	470469.83	3819521.79	4.86E-09	2.04E-08	1.84E-09	2.71E-08	4.05E-09	1.50E-08	1.32E-09	2.04E-08	4.59E-10	2.63E-09	3.14E-10	3.40E-09	4.17E-10	1.38E-09	9.49E-11	1.89E-09
7725	470466.15	3819530.42	4.8E-09	2.01E-08	1.81E-09	2.68E-08	4.00E-09	1.48E-08	1.30E-09	2.01E-08	4.53E-10	2.59E-09	3.09E-10	3.36E-09	4.12E-10	1.36E-09	9.36E-11	1.86E-09
7726	470462.47	3819539.06	4.73E-09	1.99E-08	1.79E-09	2.64E-08	3.94E-09	1.46E-08	1.28E-09	1.98E-08	4.47E-10	2.56E-09	3.05E-10	3.31E-09	4.06E-10	1.34E-09	9.23E-11	1.84E-09
7727	470458.79	3819547.69	4.65E-09	1.95E-08	1.76E-09	2.60E-08	3.88E-09	1.44E-08	1.26E-09	1.95E-08	4.40E-10	2.52E-09	3.00E-10	3.26E-09	4.00E-10	1.32E-09	9.08E-11	1.81E-09
7728	470455.12	3819556.33	4.58E-09	1.92E-08	1.73E-09	2.55E-08	3.81E-09	1.41E-08	1.24E-09	1.92E-08	4.32E-10	2.47E-09	2.95E-10	3.20E-09	3.93E-10	1.30E-09	8.93E-11	1.78E-09
7729	470451.44	3819564.96	4.49E-09	1.89E-08	1.70E-09	2.51E-08	3.74E-09	1.39E-08	1.22E-09	1.88E-08	4.24E-10	2.43E-09	2.90E-10	3.14E-09	3.86E-10	1.27E-09	8.77E-11	1.75E-09
7730	470447.76	3819573.6	4.41E-09	1.85E-08	1.67E-09	2.46E-08	3.67E-09	1.36E-08	1.20E-09	1.85E-08	4.16E-10	2.38E-09	2.84E-10	3.09E-09	3.79E-10	1.25E-09	8.61E-11	1.71E-09
7731	470444.09	3819582.23	4.32E-09	1.82E-08	1.64E-09	2.41E-08	3.60E-09	1.33E-08	1.17E-09	1.81E-08	4.08E-10	2.34E-09	2.79E-10	3.03E-09	3.71E-10	1.22E-09	8.44E-11	1.68E-09
7732	470440.41	3819590.86	4.24E-09	1.78E-08	1.60E-09	2.36E-08	3.53E-09	1.31E-08	1.15E-09	1.78E-08	4.00E-10	2.29E-09	2.73E-10	2.96E-09	3.64E-10	1.20E-09	8.27E-11	1.65E-09
7733	470436.73	3819599.5	4.15E-09	1.74E-08	1.57E-09	2.32E-08	3.46E-09	1.28E-08	1.13E-09	1.74E-08	3.92E-10	2.24E-09	2.68E-10	2.90E-09	3.56E-10	1.18E-09	8.10E-11	1.61E-09
7734	470424.34	3819611.62	4.16E-09	1.75E-08	1.57E-09	2.32E-08	3.46E-09	1.28E-08	1.13E-09	1.74E-08	3.92E-10	2.25E-09	2.68E-10	2.91E-09	3.57E-10	1.18E-09	8.11E-11	1.61E-09
7735	470415.62	3819615.1	4.25E-09	1.78E-08	1.61E-09	2.37E-08	3.54E-09	1.31E-08	1.15E-09	1.78E-08	4.01E-10	2.30E-09	2.74E-10	2.97E-09	3.65E-10	1.20E-09	8.29E-11	1.65E-09
7736	470406.91	3819618.58	4.34E-09	1.82E-08	1.64E-09	2.42E-08	3.62E-09	1.34E-08	1.18E-09	1.82E-08	4.10E-10	2.35E-09	2.80E-10	3.04E-09	3.73E-10	1.23E-09	8.47E-11	1.69E-09
7737	470398.19	3819622.06	4.44E-09	1.86E-08	1.68E-09	2.47E-08	3.70E-09	1.37E-08	1.20E-09	1.86E-08	4.19E-10	2.40E-09	2.86E-10	3.10E-09	3.81E-10	1.26E-09	8.66E-11	1.72E-09
7738	470389.48	3819625.54	4.54E-09	1.90E-08	1.72E-09	2.53E-08	3.78E-09	1.40E-08	1.23E-09	1.90E-08	4.28E-10	2.45E-09	2.93E-10	3.17E-09	3.89E-10	1.28E-09	8.85E-11	1.76E-09
7739	470380.77	3819629.03	4.64E-09	1.95E-08	1.75E-09	2.59E-08	3.86E-09	1.43E-08	1.26E-09	1.94E-08	4.38E-10	2.51E-09	2.99E-10	3.24E-09	3.98E-10	1.31E-09	9.05E-11	1.80E-09
7740	470372.05	3819632.51	4.74E-09	1.99E-08	1.79E-09	2.64E-08	3.95E-09	1.46E-08	1.29E-09	1.99E-08	4.48E-10	2.56E-09	3.06E-10	3.32E-09	4.07E-10	1.34E-09	9.25E-11	1.84E-09
7741	470363.34	3819635.99	4.85E-09	2.04E-08	1.83E-09	2.70E-08	4.04E-09	1.50E-08	1.32E-09	2.03E-08	4.58E-10	2.62E-09	3.13E-10	3.39E-09	4.16E-10	1.37E-09	9.46E-11	1.88E-09
7742	470354.62	3819639.47	4.96E-09	2.08E-08	1.88E-09	2.77E-08	4.13E-09	1.53E-08	1.35E-09	2.08E-08	4.68E-10	2.68E-09	3.20E-10	3.47E-09	4.26E-10	1.40E-09	9.68E-11	1.93E-09
7743	470345.91	3819642.95	5.07E-09	2.13E-08	1.92E-09	2.83E-08	4.22E-09	1.57E-08	1.38E-09	2.13E-08	4.79E-10	2.74E-09	3.27E-10	3.55E-09	4.35E-10	1.44E-09	9.90E-11	1.97E-09
7744	470337.19	3819646.43	5.19E-09	2.18E-08	1.96E-09	2.89E-08	4.32E-09	1.60E-08	1.41E-09	2.17E-08	4.90E-10	2.80E-09	3.34E-10	3.63E-09	4.45E-10	1.47E-09	1.01E-10	2.01E-09
7745	470328.48	3819649.92	5.3E-09	2.23E-08	2.00E-09	2.96E-08	4.41E-09	1.64E-08	1.44E-09	2.22E-08	5.00E-10	2.86E-09	3.42E-10	3.71E-09	4.55E-10	1.50E-09	1.03E-10	2.06E-09
7746	470319.76	3819653.4	5.41E-09	2.27E-08	2.05E-09	3.02E-08	4.51E-09	1.67E-08	1.47E-09	2.27E-08	5.11E-10	2.93E-09	3.49E-10	3.79E-09	4.65E-10	1.53E-09	1.06E-10	2.10E-09

7747	470311.05	3819656.88	5.53E-09	2.32E-08	2.09E-09	3.08E-08	4.60E-09	1.71E-08	1.50E-09	2.32E-08	5.22E-10	2.99E-09	3.57E-10	3.87E-09	4.75E-10	1.56E-09	1.08E-10	2.15E-09
7748	470302.33	3819660.36	5.64E-09	2.37E-08	2.13E-09	3.15E-08	4.70E-09	1.74E-08	1.53E-09	2.36E-08	5.33E-10	3.05E-09	3.64E-10	3.95E-09	4.84E-10	1.60E-09	1.10E-10	2.19E-09
7749	470499.24	3819452.72	5.01E-09	2.10E-08	1.89E-09	2.79E-08	4.17E-09	1.54E-08	1.36E-09	2.10E-08	4.73E-10	2.71E-09	3.23E-10	3.50E-09	4.30E-10	1.42E-09	9.77E-11	1.94E-09
7750	470499.32	3819443.07	5.09E-09	2.14E-08	1.92E-09	2.84E-08	4.24E-09	1.57E-08	1.38E-09	2.13E-08	4.80E-10	2.75E-09	3.28E-10	3.56E-09	4.37E-10	1.44E-09	9.93E-11	1.98E-09
7751	470499.41	3819433.42	5.16E-09	2.17E-08	1.95E-09	2.88E-08	4.30E-09	1.59E-08	1.40E-09	2.16E-08	4.87E-10	2.79E-09	3.33E-10	3.61E-09	4.43E-10	1.46E-09	1.01E-10	2.00E-09
7752	470499.49	3819423.77	5.21E-09	2.19E-08	1.97E-09	2.91E-08	4.34E-09	1.61E-08	1.42E-09	2.18E-08	4.92E-10	2.82E-09	3.36E-10	3.65E-09	4.48E-10	1.48E-09	1.02E-10	2.03E-09
7753	470499.57	3819414.12	5.25E-09	2.21E-08	1.99E-09	2.93E-08	4.38E-09	1.62E-08	1.43E-09	2.20E-08	4.96E-10	2.84E-09	3.39E-10	3.68E-09	4.51E-10	1.49E-09	1.03E-10	2.04E-09
7754	470499.66	3819404.48	5.28E-09	2.22E-08	2.00E-09	2.94E-08	4.40E-09	1.63E-08	1.43E-09	2.21E-08	4.98E-10	2.85E-09	3.40E-10	3.69E-09	4.53E-10	1.49E-09	1.03E-10	2.05E-09
7755	470499.74	3819394.83	5.28E-09	2.22E-08	2.00E-09	2.95E-08	4.40E-09	1.63E-08	1.43E-09	2.21E-08	4.99E-10	2.86E-09	3.41E-10	3.69E-09	4.53E-10	1.50E-09	1.03E-10	2.05E-09
7756	470499.82	3819385.18	5.27E-09	2.21E-08	1.99E-09	2.94E-08	4.39E-09	1.63E-08	1.43E-09	2.21E-08	4.98E-10	2.85E-09	3.40E-10	3.69E-09	4.52E-10	1.49E-09	1.03E-10	2.05E-09
7757	470499.9	3819375.53	5.24E-09	2.20E-08	1.98E-09	2.92E-08	4.36E-09	1.62E-08	1.42E-09	2.19E-08	4.94E-10	2.83E-09	3.38E-10	3.66E-09	4.50E-10	1.48E-09	1.02E-10	2.03E-09
7758	470499.99	3819365.88	5.18E-09	2.18E-08	1.96E-09	2.89E-08	4.32E-09	1.60E-08	1.41E-09	2.17E-08	4.90E-10	2.80E-09	3.34E-10	3.63E-09	4.45E-10	1.47E-09	1.01E-10	2.01E-09
7759	470500.07	3819356.23	5.11E-09	2.15E-08	1.93E-09	2.85E-08	4.26E-09	1.58E-08	1.39E-09	2.14E-08	4.83E-10	2.76E-09	3.30E-10	3.58E-09	4.39E-10	1.45E-09	9.98E-11	1.99E-09
7760	470500.15	3819346.59	5.02E-09	2.11E-08	1.90E-09	2.80E-08	4.18E-09	1.55E-08	1.36E-09	2.11E-08	4.74E-10	2.72E-09	3.24E-10	3.51E-09	4.31E-10	1.42E-09	9.80E-11	1.95E-09
7761	470500.23	3819336.94	4.92E-09	2.06E-08	1.86E-09	2.74E-08	4.10E-09	1.52E-08	1.33E-09	2.06E-08	4.64E-10	2.66E-09	3.17E-10	3.44E-09	4.22E-10	1.39E-09	9.59E-11	1.91E-09
7762	470500.32	3819327.29	4.79E-09	2.01E-08	1.81E-09	2.67E-08	3.99E-09	1.48E-08	1.30E-09	2.01E-08	4.53E-10	2.59E-09	3.09E-10	3.35E-09	4.11E-10	1.36E-09	9.35E-11	1.86E-09
7763	470500.4	3819317.64	4.65E-09	1.95E-08	1.76E-09	2.60E-08	3.88E-09	1.44E-08	1.26E-09	1.95E-08	4.39E-10	2.52E-09	3.00E-10	3.25E-09	3.99E-10	1.32E-09	9.08E-11	1.81E-09
7764	470515.63	3819461.37	4.47E-09	1.88E-08	1.69E-09	2.49E-08	3.72E-09	1.38E-08	1.21E-09	1.87E-08	4.22E-10	2.42E-09	2.88E-10	3.13E-09	3.84E-10	1.27E-09	8.72E-11	1.74E-09
7765	470512.02	3819469.84	4.49E-09	1.88E-08	1.70E-09	2.50E-08	3.74E-09	1.38E-08	1.22E-09	1.88E-08	4.24E-10	2.43E-09	2.89E-10	3.14E-09	3.85E-10	1.27E-09	8.75E-11	1.74E-09
7766	470508.41	3819478.32	4.49E-09	1.89E-08	1.70E-09	2.51E-08	3.74E-09	1.39E-08	1.22E-09	1.88E-08	4.24E-10	2.43E-09	2.90E-10	3.14E-09	3.86E-10	1.27E-09	8.77E-11	1.74E-09
7767	470504.8	3819486.8	4.49E-09	1.89E-08	1.70E-09	2.50E-08	3.74E-09	1.39E-08	1.22E-09	1.88E-08	4.24E-10	2.43E-09	2.90E-10	3.14E-09	3.85E-10	1.27E-09	8.76E-11	1.74E-09
7768	470501.19	3819495.27	4.48E-09	1.88E-08	1.69E-09	2.50E-08	3.73E-09	1.38E-08	1.21E-09	1.88E-08	4.23E-10	2.42E-09	2.89E-10	3.13E-09	3.84E-10	1.27E-09	8.73E-11	1.74E-09
7769	470497.58	3819503.75	4.45E-09	1.87E-08	1.68E-09	2.48E-08	3.71E-09	1.37E-08	1.21E-09	1.87E-08	4.21E-10	2.41E-09	2.87E-10	3.12E-09	3.82E-10	1.26E-09	8.69E-11	1.73E-09
7770	470493.97	3819512.23	4.42E-09	1.86E-08	1.67E-09	2.47E-08	3.68E-09	1.37E-08	1.20E-09	1.85E-08	4.18E-10	2.39E-09	2.85E-10	3.09E-09	3.80E-10	1.25E-09	8.63E-11	1.72E-09
7771	470490.36	3819520.71	4.39E-09	1.84E-08	1.66E-09	2.45E-08	3.65E-09	1.35E-08	1.19E-09	1.84E-08	4.14E-10	2.37E-09	2.83E-10	3.07E-09	3.77E-10	1.24E-09	8.56E-11	1.70E-09
7772	470486.75	3819529.18	4.34E-09	1.82E-08	1.64E-09	2.42E-08	3.62E-09	1.34E-08	1.18E-09	1.82E-08	4.10E-10	2.35E-09	2.80E-10	3.04E-09	3.73E-10	1.23E-09	8.47E-11	1.69E-09
7773	470483.14	3819537.66	4.29E-09	1.80E-08	1.62E-09	2.39E-08	3.57E-09	1.32E-08	1.16E-09	1.80E-08	4.05E-10	2.32E-09	2.77E-10	3.00E-09	3.68E-10	1.21E-09	8.37E-11	1.67E-09
7774	470479.53	3819546.14	4.24E-09	1.78E-08	1.60E-09	2.36E-08	3.53E-09	1.31E-08	1.15E-09	1.78E-08	4.00E-10	2.29E-09	2.73E-10	2.96E-09	3.64E-10	1.20E-09	8.27E-11	1.65E-09
7775	470475.92	3819554.62	4.18E-09	1.75E-08	1.58E-09	2.33E-08	3.48E-09	1.29E-08	1.13E-09	1.75E-08	3.94E-10	2.26E-09	2.69E-10	2.92E-09	3.59E-10	1.18E-09	8.15E-11	1.62E-09
7776	470472.31	3819563.09	4.11E-09	1.73E-08	1.56E-09	2.29E-08	3.43E-09	1.27E-08	1.12E-09	1.72E-08	3.88E-10	2.22E-09	2.65E-10	2.88E-09	3.53E-10	1.16E-09	8.03E-11	1.60E-09
7777	470468.7	3819571.57	4.05E-09	1.70E-08	1.53E-09	2.26E-08	3.37E-09	1.25E-08	1.10E-09	1.70E-08	3.82E-10	2.19E-09	2.61E-10	2.83E-09	3.47E-10	1.15E-09	7.90E-11	1.57E-09
7778	470465.09	3819580.05	3.98E-09	1.67E-08	1.50E-09	2.22E-08	3.31E-09	1.23E-08	1.08E-09	1.67E-08	3.76E-10	2.15E-09	2.57E-10	2.78E-09	3.42E-10	1.13E-09	7.76E-11	1.55E-09
7779	470461.48	3819588.52	3.91E-09	1.64E-08	1.48E-09	2.18E-08	3.26E-09	1.21E-08	1.06E-09	1.64E-08	3.69E-10	2.11E-09	2.52E-10	2.73E-09	3.36E-10	1.11E-09	7.63E-11	1.52E-09
7780	470457.87	3819597	3.84E-09	1.61E-08	1.45E-09	2.14E-08	3.20E-09	1.18E-08	1.04E-09	1.61E-08	3.62E-10	2.07E-09	2.48E-10	2.68E-09	3.29E-10	1.09E-09	7.49E-11	1.49E-09
7781	470454.26	3819605.48	3.77E-09	1.58E-08	1.42E-09	2.10E-08	3.14E-09	1.16E-08	1.02E-09	1.58E-08	3.56E-10	2.04E-09	2.43E-10	2.64E-09	3.23E-10	1.07E-09	7.35E-11	1.46E-09
7782	470450.65	3819613.96	3.7E-09	1.55E-08	1.40E-09	2.06E-08	3.08E-09	1.14E-08	1.00E-09	1.55E-08	3.49E-10	2.00E-09	2.38E-10	2.59E-09	3.17E-10	1.05E-09	7.21E-11	1.44E-09
7783	470438.48	3819625.85	3.7E-09	1.55E-08	1.40E-09	2.06E-08	3.08E-09	1.14E-08	1.00E-09	1.55E-08	3.49E-10	2.00E-09	2.39E-10	2.59E-09	3.18E-10	1.05E-09	7.22E-11	1.44E-09
7784	470429.92	3819629.27	3.77E-09	1.58E-08	1.43E-09	2.10E-08	3.14E-09	1.16E-08	1.02E-09	1.58E-08	3.56E-10	2.04E-09	2.43E-10	2.64E-09	3.24E-10	1.07E-09	7.36E-11	1.47E-09
7785	470421.37	3819632.69	3.85E-09	1.62E-08	1.46E-09	2.15E-08	3.21E-09	1.19E-08	1.05E-09	1.61E-08	3.64E-10	2.08E-09	2.48E-10	2.69E-09	3.31E-10	1.09E-09	7.51E-11	1.50E-09
7786	470412.81	3819636.11	3.93E-09	1.65E-08	1.49E-09	2.19E-08	3.27E-09	1.21E-08	1.07E-09	1.65E-08	3.71E-10	2.12E-09	2.53E-10	2.75E-09	3.37E-10	1.11E-09	7.67E-11	1.53E-09
7787	470404.25	3819639.53	4.01E-09	1.68E-08	1.52E-09	2.24E-08	3.34E-09	1.24E-08	1.09E-09	1.68E-08	3.79E-10	2.17E-09	2.59E-10	2.80E-09	3.44E-10	1.13E-09	7.82E-11	1.56E-09
7788	470395.7	3819642.95	4.09E-09	1.72E-08	1.55E-09	2.28E-08	3.41E-09	1.26E-08	1.11E-09	1.71E-08	3.86E-10	2.21E-09	2.64E-10	2.86E-09	3.51E-10	1.16E-09	7.99E-11	1.59E-09
7789	470387.14	3819646.36	4.18E-09	1.75E-08	1.58E-09	2.33E-08	3.48E-09	1.29E-08	1.13E-09	1.75E-08	3.95E-10	2.26E-09	2.70E-10	2.92E-09	3.59E-10	1.18E-09	8.15E-11	1.62E-09
7790	470378.59	3819649.78	4.27E-09	1.79E-08	1.61E-09	2.38E-08	3.55E-09	1.32E-08	1.16E-09	1.79E-08	4.03E-10	2.31E-09	2.75E-10	2.98E-09	3.66E-10	1.21E-09	8.33E-11	1.66E-09
7791	470370.03	3819653.2	4.36E-09	1.83E-08	1.65E-09	2.43E-08	3.63E-09	1.34E-08	1.18E-09	1.83E-08	4.12E-10	2.36E-09	2.81E-10	3.05E-09	3.74E-10	1.23E-09	8.50E-11	1.69E-09
7792	470361.47	3819656.62	4.45E-09	1.87E-08	1.68E-09	2.48E-08	3.71E-09	1.37E-08	1.21E-09	1.87E-08	4.20E-10	2.41E-09	2.87E-10	3.11E-09	3.82E-10	1.26E-09	8.69E-11	1.73E-09
7793	470352.92	3819660.04	4.55E-09	1.91E-08	1.72E-09	2.54E-08	3.79E-09	1.40E-08	1.23E-09	1.90E-08	4.29E-10	2.46E-09	2.93E-10	3.18E-09	3.90E-10	1.29E-09	8.87E-11	1.77E-09
7794	470344.36	3819663.46	4.64E-09	1.95E-08	1.76E-09	2.59E-08	3.87E-09	1.43E-08	1.26E-09	1.95E-08	4.38E-10	2.51E-09	2.99E-10	3.25E-09	3.99E-10	1.31E-09	9.06E-11	1.80E-09
7795	470335.8	3819666.88	4.74E-09	1.99E-08	1.79E-09	2.64E-08	3.95E-09	1.46E-08	1.29E-09	1.99E-08	4.48E-10	2.56E-09	3.06E-10	3.32E-09	4.07E-10	1.34E-09	9.25E-11	1.84E-09
7796	470327.25	3819670.29	4.84E-09	2.03E-08	1.83E-09	2.70E-08	4.03E-09	1.49E-08	1.31E-09	2.03E-08	4.57E-10	2.61E-09	3.12E-10	3.38E-09	4.15E-10	1.37E-09	9.43E-11	1.88E-09

7797	470318.69	3819673.71	4.93E-09	2.07E-08	1.86E-09	2.75E-08	4.11E-09	1.52E-08	1.34E-09	2.07E-08	4.66E-10	2.67E-09	3.18E-10	3.45E-09	4.23E-10	1.40E-09	9.62E-11	1.92E-09
7798	470310.13	3819677.13	5.03E-09	2.11E-08	1.90E-09	2.80E-08	4.19E-09	1.55E-08	1.36E-09	2.11E-08	4.75E-10	2.72E-09	3.24E-10	3.52E-09	4.32E-10	1.42E-09	9.81E-11	1.95E-09
7799	470301.58	3819680.55	5.12E-09	2.15E-08	1.94E-09	2.86E-08	4.26E-09	1.58E-08	1.39E-09	2.14E-08	4.83E-10	2.77E-09	3.30E-10	3.58E-09	4.39E-10	1.45E-09	9.99E-11	1.99E-09
7800	470519.24	3819452.89	4.44E-09	1.87E-08	1.68E-09	2.48E-08	3.70E-09	1.37E-08	1.21E-09	1.86E-08	4.20E-10	2.40E-09	2.87E-10	3.11E-09	3.81E-10	1.26E-09	8.67E-11	1.73E-09
7801	470519.32	3819443.24	4.51E-09	1.89E-08	1.70E-09	2.51E-08	3.75E-09	1.39E-08	1.22E-09	1.89E-08	4.26E-10	2.44E-09	2.91E-10	3.15E-09	3.87E-10	1.28E-09	8.79E-11	1.75E-09
7802	470519.41	3819433.59	4.56E-09	1.91E-08	1.72E-09	2.54E-08	3.80E-09	1.41E-08	1.24E-09	1.91E-08	4.30E-10	2.46E-09	2.94E-10	3.19E-09	3.91E-10	1.29E-09	8.89E-11	1.77E-09
7803	470519.49	3819423.94	4.6E-09	1.93E-08	1.74E-09	2.57E-08	3.83E-09	1.42E-08	1.25E-09	1.93E-08	4.34E-10	2.49E-09	2.97E-10	3.22E-09	3.95E-10	1.30E-09	8.97E-11	1.79E-09
7804	470519.57	3819414.3	4.63E-09	1.94E-08	1.75E-09	2.58E-08	3.85E-09	1.43E-08	1.26E-09	1.94E-08	4.37E-10	2.50E-09	2.98E-10	3.24E-09	3.97E-10	1.31E-09	9.03E-11	1.80E-09
7805	470519.65	3819404.65	4.64E-09	1.95E-08	1.75E-09	2.59E-08	3.87E-09	1.43E-08	1.26E-09	1.94E-08	4.38E-10	2.51E-09	2.99E-10	3.25E-09	3.98E-10	1.31E-09	9.05E-11	1.80E-09
7806	470519.74	3819395	4.64E-09	1.95E-08	1.75E-09	2.59E-08	3.86E-09	1.43E-08	1.26E-09	1.94E-08	4.38E-10	2.51E-09	2.99E-10	3.25E-09	3.98E-10	1.31E-09	9.05E-11	1.80E-09
7807	470535.52	3819461.81	4E-09	1.68E-08	1.51E-09	2.23E-08	3.33E-09	1.23E-08	1.08E-09	1.67E-08	3.77E-10	2.16E-09	2.58E-10	2.80E-09	3.43E-10	1.13E-09	7.80E-11	1.55E-09
7808	470531.79	3819470.55	4.02E-09	1.69E-08	1.52E-09	2.24E-08	3.35E-09	1.24E-08	1.09E-09	1.68E-08	3.79E-10	2.17E-09	2.59E-10	2.81E-09	3.45E-10	1.14E-09	7.84E-11	1.56E-09
7809	470528.07	3819479.3	4.03E-09	1.69E-08	1.52E-09	2.25E-08	3.35E-09	1.24E-08	1.09E-09	1.69E-08	3.80E-10	2.18E-09	2.60E-10	2.82E-09	3.46E-10	1.14E-09	7.86E-11	1.56E-09
7810	470524.34	3819488.04	4.03E-09	1.69E-08	1.52E-09	2.25E-08	3.36E-09	1.24E-08	1.09E-09	1.69E-08	3.80E-10	2.18E-09	2.60E-10	2.82E-09	3.46E-10	1.14E-09	7.86E-11	1.56E-09
7811	470520.62	3819496.79	4.02E-09	1.69E-08	1.52E-09	2.24E-08	3.35E-09	1.24E-08	1.09E-09	1.69E-08	3.80E-10	2.17E-09	2.59E-10	2.81E-09	3.45E-10	1.14E-09	7.85E-11	1.56E-09
7812	470516.89	3819505.54	4.01E-09	1.68E-08	1.52E-09	2.24E-08	3.34E-09	1.24E-08	1.09E-09	1.68E-08	3.78E-10	2.17E-09	2.59E-10	2.80E-09	3.44E-10	1.13E-09	7.82E-11	1.56E-09
7813	470513.17	3819514.28	3.99E-09	1.67E-08	1.51E-09	2.22E-08	3.32E-09	1.23E-08	1.08E-09	1.67E-08	3.76E-10	2.16E-09	2.57E-10	2.79E-09	3.42E-10	1.13E-09	7.78E-11	1.55E-09
7814	470509.44	3819523.03	3.96E-09	1.66E-08	1.50E-09	2.21E-08	3.30E-09	1.22E-08	1.07E-09	1.66E-08	3.74E-10	2.14E-09	2.55E-10	2.77E-09	3.40E-10	1.12E-09	7.72E-11	1.54E-09
7815	470505.72	3819531.78	3.92E-09	1.65E-08	1.48E-09	2.19E-08	3.27E-09	1.21E-08	1.07E-09	1.64E-08	3.71E-10	2.12E-09	2.53E-10	2.74E-09	3.37E-10	1.11E-09	7.66E-11	1.52E-09
7816	470501.99	3819540.52	3.88E-09	1.63E-08	1.47E-09	2.17E-08	3.23E-09	1.20E-08	1.05E-09	1.63E-08	3.67E-10	2.10E-09	2.50E-10	2.72E-09	3.33E-10	1.10E-09	7.58E-11	1.51E-09
7817	470498.27	3819549.27	3.84E-09	1.61E-08	1.45E-09	2.14E-08	3.20E-09	1.18E-08	1.04E-09	1.61E-08	3.62E-10	2.07E-09	2.48E-10	2.69E-09	3.30E-10	1.09E-09	7.49E-11	1.49E-09
7818	470494.54	3819558.02	3.79E-09	1.59E-08	1.43E-09	2.11E-08	3.16E-09	1.17E-08	1.03E-09	1.59E-08	3.58E-10	2.05E-09	2.44E-10	2.65E-09	3.25E-10	1.07E-09	7.39E-11	1.47E-09
7819	470490.82	3819566.76	3.74E-09	1.57E-08	1.41E-09	2.08E-08	3.11E-09	1.15E-08	1.01E-09	1.57E-08	3.53E-10	2.02E-09	2.41E-10	2.61E-09	3.21E-10	1.06E-09	7.29E-11	1.45E-09
7820	470487.09	3819575.51	3.68E-09	1.55E-08	1.39E-09	2.05E-08	3.07E-09	1.14E-08	9.99E-10	1.54E-08	3.48E-10	1.99E-09	2.37E-10	2.57E-09	3.16E-10	1.04E-09	7.18E-11	1.43E-09
7821	470483.37	3819584.26	3.62E-09	1.52E-08	1.37E-09	2.02E-08	3.02E-09	1.12E-08	9.83E-10	1.52E-08	3.42E-10	1.96E-09	2.34E-10	2.53E-09	3.11E-10	1.03E-09	7.07E-11	1.41E-09
7822	470479.64	3819593	3.56E-09	1.50E-08	1.35E-09	1.99E-08	2.97E-09	1.10E-08	9.67E-10	1.49E-08	3.36E-10	1.93E-09	2.30E-10	2.49E-09	3.06E-10	1.01E-09	6.95E-11	1.38E-09
7823	470475.92	3819601.75	3.5E-09	1.47E-08	1.32E-09	1.95E-08	2.92E-09	1.08E-08	9.50E-10	1.47E-08	3.31E-10	1.89E-09	2.26E-10	2.45E-09	3.01E-10	9.91E-10	6.83E-11	1.36E-09
7824	470472.19	3819610.49	3.44E-09	1.44E-08	1.30E-09	1.92E-08	2.86E-09	1.06E-08	9.34E-10	1.44E-08	3.25E-10	1.86E-09	2.22E-10	2.41E-09	2.95E-10	9.74E-10	6.71E-11	1.34E-09
7825	470468.47	3819619.24	3.38E-09	1.42E-08	1.28E-09	1.88E-08	2.81E-09	1.04E-08	9.17E-10	1.42E-08	3.19E-10	1.83E-09	2.18E-10	2.36E-09	2.90E-10	9.56E-10	6.59E-11	1.31E-09
7826	470464.74	3819627.99	3.32E-09	1.39E-08	1.25E-09	1.85E-08	2.76E-09	1.02E-08	9.00E-10	1.39E-08	3.13E-10	1.79E-09	2.14E-10	2.32E-09	2.85E-10	9.38E-10	6.47E-11	1.29E-09
7827	470452.19	3819640.26	3.32E-09	1.39E-08	1.25E-09	1.85E-08	2.76E-09	1.02E-08	9.01E-10	1.39E-08	3.13E-10	1.79E-09	2.14E-10	2.32E-09	2.85E-10	9.39E-10	6.47E-11	1.29E-09
7828	470443.36	3819643.79	3.38E-09	1.42E-08	1.28E-09	1.89E-08	2.82E-09	1.04E-08	9.18E-10	1.42E-08	3.19E-10	1.83E-09	2.18E-10	2.37E-09	2.90E-10	9.57E-10	6.60E-11	1.31E-09
7829	470434.53	3819647.32	3.45E-09	1.45E-08	1.30E-09	1.92E-08	2.87E-09	1.06E-08	9.36E-10	1.45E-08	3.26E-10	1.86E-09	2.22E-10	2.41E-09	2.96E-10	9.76E-10	6.73E-11	1.34E-09
7830	470425.71	3819650.84	3.52E-09	1.48E-08	1.33E-09	1.96E-08	2.93E-09	1.09E-08	9.55E-10	1.47E-08	3.32E-10	1.90E-09	2.27E-10	2.46E-09	3.02E-10	9.96E-10	6.86E-11	1.37E-09
7831	470416.88	3819654.37	3.59E-09	1.51E-08	1.36E-09	2.00E-08	2.99E-09	1.11E-08	9.74E-10	1.50E-08	3.39E-10	1.94E-09	2.31E-10	2.51E-09	3.08E-10	1.02E-09	7.00E-11	1.39E-09
7832	470408.05	3819657.9	3.66E-09	1.54E-08	1.38E-09	2.04E-08	3.05E-09	1.13E-08	9.94E-10	1.53E-08	3.46E-10	1.98E-09	2.36E-10	2.56E-09	3.14E-10	1.04E-09	7.14E-11	1.42E-09
7833	470399.22	3819661.42	3.74E-09	1.57E-08	1.41E-09	2.08E-08	3.11E-09	1.15E-08	1.01E-09	1.57E-08	3.53E-10	2.02E-09	2.41E-10	2.61E-09	3.21E-10	1.06E-09	7.29E-11	1.45E-09
7834	470390.39	3819664.95	3.82E-09	1.60E-08	1.44E-09	2.13E-08	3.18E-09	1.18E-08	1.04E-09	1.60E-08	3.60E-10	2.06E-09	2.46E-10	2.67E-09	3.28E-10	1.08E-09	7.44E-11	1.48E-09
7835	470381.57	3819668.48	3.9E-09	1.64E-08	1.47E-09	2.17E-08	3.24E-09	1.20E-08	1.06E-09	1.63E-08	3.68E-10	2.11E-09	2.51E-10	2.72E-09	3.34E-10	1.10E-09	7.60E-11	1.51E-09
7836	470372.74	3819672.01	3.98E-09	1.67E-08	1.50E-09	2.22E-08	3.31E-09	1.23E-08	1.08E-09	1.67E-08	3.76E-10	2.15E-09	2.57E-10	2.78E-09	3.41E-10	1.13E-09	7.76E-11	1.54E-09
7837	470363.91	3819675.53	4.06E-09	1.71E-08	1.54E-09	2.27E-08	3.38E-09	1.25E-08	1.10E-09	1.70E-08	3.84E-10	2.20E-09	2.62E-10	2.84E-09	3.49E-10	1.15E-09	7.93E-11	1.58E-09
7838	470355.08	3819679.06	4.15E-09	1.74E-08	1.57E-09	2.31E-08	3.46E-09	1.28E-08	1.13E-09	1.74E-08	3.92E-10	2.24E-09	2.68E-10	2.90E-09	3.56E-10	1.17E-09	8.09E-11	1.61E-09
7839	470346.25	3819682.59	4.23E-09	1.78E-08	1.60E-09	2.36E-08	3.53E-09	1.31E-08	1.15E-09	1.77E-08	4.00E-10	2.29E-09	2.73E-10	2.96E-09	3.64E-10	1.20E-09	8.26E-11	1.64E-09
7840	470337.43	3819686.11	4.32E-09	1.81E-08	1.63E-09	2.41E-08	3.60E-09	1.33E-08	1.17E-09	1.81E-08	4.08E-10	2.34E-09	2.79E-10	3.02E-09	3.71E-10	1.22E-09	8.43E-11	1.68E-09
7841	470328.6	3819689.64	4.41E-09	1.85E-08	1.67E-09	2.46E-08	3.67E-09	1.36E-08	1.20E-09	1.85E-08	4.16E-10	2.38E-09	2.84E-10	3.08E-09	3.78E-10	1.25E-09	8.60E-11	1.71E-09
7842	470319.77	3819693.17	4.49E-09	1.89E-08	1.70E-09	2.51E-08	3.74E-09	1.39E-08	1.22E-09	1.88E-08	4.24E-10	2.43E-09	2.90E-10	3.14E-09	3.86E-10	1.27E-09	8.76E-11	1.74E-09
7843	470310.94	3819696.7	4.58E-09	1.92E-08	1.73E-09	2.55E-08	3.81E-09	1.41E-08	1.24E-09	1.92E-08	4.32E-10	2.47E-09	2.95E-10	3.20E-09	3.93E-10	1.30E-09	8.93E-11	1.78E-09
7844	470302.11	3819700.22	4.66E-09	1.96E-08	1.76E-09	2.60E-08	3.88E-09	1.44E-08	1.26E-09	1.95E-08	4.40E-10	2.52E-09	3.00E-10	3.26E-09	4.00E-10	1.32E-09	9.09E-11	1.81E-09
7845	470540.93	3819496.23	3.63E-09	1.53E-08	1.37E-09	2.03E-08	3.03E-09	1.12E-08	9.86E-10	1.52E-08	3.43E-10	1.96E-09	2.34E-10	2.54E-09	3.12E-10	1.03E-09	7.09E-11	1.41E-09
7846	470537.26	3819504.83	3.63E-09	1.52E-08	1.37E-09	2.02E-08	3.02E-09	1.12E-08	9.84E-10	1.52E-08	3.42E-10	1.96E-09	2.34E-10	2.54E-09	3.11E-10	1.03E-09	7.08E-11	1.41E-09

7847	470533.6	3819513.43	3.61E-09	1.52E-08	1.37E-09	2.02E-08	3.01E-09	1.12E-08	9.81E-10	1.51E-08	3.41E-10	1.95E-09	2.33E-10	2.53E-09	3.10E-10	1.02E-09	7.05E-11	1.40E-09
7848	470529.94	3819522.03	3.6E-09	1.51E-08	1.36E-09	2.01E-08	3.00E-09	1.11E-08	9.76E-10	1.51E-08	3.40E-10	1.94E-09	2.32E-10	2.52E-09	3.09E-10	1.02E-09	7.02E-11	1.40E-09
7849	470526.28	3819530.63	3.57E-09	1.50E-08	1.35E-09	1.99E-08	2.98E-09	1.10E-08	9.70E-10	1.50E-08	3.37E-10	1.93E-09	2.30E-10	2.50E-09	3.07E-10	1.01E-09	6.97E-11	1.39E-09
7850	470522.61	3819539.23	3.54E-09	1.49E-08	1.34E-09	1.98E-08	2.95E-09	1.09E-08	9.62E-10	1.49E-08	3.35E-10	1.92E-09	2.29E-10	2.48E-09	3.04E-10	1.00E-09	6.92E-11	1.38E-09
7851	470518.95	3819547.83	3.51E-09	1.47E-08	1.33E-09	1.96E-08	2.92E-09	1.08E-08	9.53E-10	1.47E-08	3.32E-10	1.90E-09	2.26E-10	2.46E-09	3.01E-10	9.94E-10	6.85E-11	1.36E-09
7852	470515.29	3819556.43	3.47E-09	1.46E-08	1.31E-09	1.94E-08	2.89E-09	1.07E-08	9.43E-10	1.46E-08	3.28E-10	1.88E-09	2.24E-10	2.43E-09	2.98E-10	9.83E-10	6.78E-11	1.35E-09
7853	470511.63	3819565.03	3.43E-09	1.44E-08	1.30E-09	1.92E-08	2.86E-09	1.06E-08	9.32E-10	1.44E-08	3.24E-10	1.86E-09	2.21E-10	2.40E-09	2.95E-10	9.72E-10	6.70E-11	1.33E-09
7854	470507.96	3819573.63	3.39E-09	1.42E-08	1.28E-09	1.89E-08	2.82E-09	1.05E-08	9.20E-10	1.42E-08	3.20E-10	1.83E-09	2.19E-10	2.37E-09	2.91E-10	9.60E-10	6.62E-11	1.32E-09
7855	470504.3	3819582.23	3.35E-09	1.40E-08	1.27E-09	1.87E-08	2.79E-09	1.03E-08	9.08E-10	1.40E-08	3.16E-10	1.81E-09	2.16E-10	2.34E-09	2.87E-10	9.47E-10	6.53E-11	1.30E-09
7856	470500.64	3819590.83	3.3E-09	1.38E-08	1.25E-09	1.84E-08	2.75E-09	1.02E-08	8.95E-10	1.38E-08	3.11E-10	1.78E-09	2.13E-10	2.31E-09	2.83E-10	9.33E-10	6.43E-11	1.28E-09
7857	470496.98	3819599.43	3.25E-09	1.36E-08	1.23E-09	1.81E-08	2.71E-09	1.00E-08	8.82E-10	1.36E-08	3.07E-10	1.76E-09	2.09E-10	2.27E-09	2.79E-10	9.19E-10	6.34E-11	1.26E-09
7858	470493.31	3819608.03	3.2E-09	1.34E-08	1.21E-09	1.78E-08	2.66E-09	9.87E-09	8.68E-10	1.34E-08	3.02E-10	1.73E-09	2.06E-10	2.24E-09	2.74E-10	9.05E-10	6.24E-11	1.24E-09
7859	470489.65	3819616.63	3.15E-09	1.32E-08	1.19E-09	1.75E-08	2.62E-09	9.71E-09	8.54E-10	1.32E-08	2.97E-10	1.70E-09	2.03E-10	2.20E-09	2.70E-10	8.90E-10	6.14E-11	1.22E-09
7860	470485.99	3819625.23	3.09E-09	1.30E-08	1.17E-09	1.73E-08	2.58E-09	9.55E-09	8.40E-10	1.30E-08	2.92E-10	1.67E-09	2.00E-10	2.16E-09	2.66E-10	8.76E-10	6.04E-11	1.20E-09
7861	470482.33	3819633.83	3.04E-09	1.28E-08	1.15E-09	1.70E-08	2.53E-09	9.38E-09	8.25E-10	1.27E-08	2.87E-10	1.64E-09	1.96E-10	2.13E-09	2.61E-10	8.61E-10	5.93E-11	1.18E-09
7862	470478.66	3819642.43	2.99E-09	1.26E-08	1.13E-09	1.67E-08	2.49E-09	9.22E-09	8.11E-10	1.25E-08	2.82E-10	1.62E-09	1.93E-10	2.09E-09	2.57E-10	8.46E-10	5.83E-11	1.16E-09
7863	470466.32	3819654.5	2.99E-09	1.26E-08	1.13E-09	1.67E-08	2.49E-09	9.22E-09	8.11E-10	1.25E-08	2.82E-10	1.62E-09	1.93E-10	2.09E-09	2.57E-10	8.46E-10	5.83E-11	1.16E-09
7864	470457.64	3819657.97	3.04E-09	1.28E-08	1.15E-09	1.70E-08	2.54E-09	9.39E-09	8.26E-10	1.28E-08	2.87E-10	1.65E-09	1.96E-10	2.13E-09	2.61E-10	8.62E-10	5.94E-11	1.18E-09
7865	470448.96	3819661.44	3.1E-09	1.30E-08	1.17E-09	1.73E-08	2.58E-09	9.57E-09	8.42E-10	1.30E-08	2.93E-10	1.68E-09	2.00E-10	2.17E-09	2.66E-10	8.78E-10	6.05E-11	1.20E-09
7866	470440.28	3819664.91	3.16E-09	1.33E-08	1.19E-09	1.76E-08	2.63E-09	9.75E-09	8.57E-10	1.32E-08	2.98E-10	1.71E-09	2.04E-10	2.21E-09	2.71E-10	8.94E-10	6.16E-11	1.23E-09
7867	470431.6	3819668.38	3.22E-09	1.35E-08	1.22E-09	1.79E-08	2.68E-09	9.93E-09	8.73E-10	1.35E-08	3.04E-10	1.74E-09	2.08E-10	2.25E-09	2.76E-10	9.11E-10	6.28E-11	1.25E-09
7868	470422.92	3819671.84	3.28E-09	1.38E-08	1.24E-09	1.83E-08	2.73E-09	1.01E-08	8.90E-10	1.37E-08	3.10E-10	1.77E-09	2.11E-10	2.29E-09	2.81E-10	9.28E-10	6.40E-11	1.27E-09
7869	470414.24	3819675.31	3.34E-09	1.40E-08	1.26E-09	1.86E-08	2.78E-09	1.03E-08	9.07E-10	1.40E-08	3.16E-10	1.81E-09	2.16E-10	2.34E-09	2.87E-10	9.46E-10	6.52E-11	1.30E-09
7870	470405.56	3819678.78	3.41E-09	1.43E-08	1.29E-09	1.90E-08	2.84E-09	1.05E-08	9.25E-10	1.43E-08	3.22E-10	1.84E-09	2.20E-10	2.38E-09	2.92E-10	9.64E-10	6.65E-11	1.32E-09
7871	470396.88	3819682.25	3.47E-09	1.46E-08	1.31E-09	1.94E-08	2.89E-09	1.07E-08	9.43E-10	1.46E-08	3.28E-10	1.88E-09	2.24E-10	2.43E-09	2.98E-10	9.83E-10	6.78E-11	1.35E-09
7872	470388.2	3819685.72	3.54E-09	1.49E-08	1.34E-09	1.98E-08	2.95E-09	1.09E-08	9.62E-10	1.48E-08	3.35E-10	1.92E-09	2.29E-10	2.48E-09	3.04E-10	1.00E-09	6.91E-11	1.38E-09
7873	470379.52	3819689.18	3.61E-09	1.52E-08	1.37E-09	2.02E-08	3.01E-09	1.12E-08	9.81E-10	1.51E-08	3.41E-10	1.95E-09	2.33E-10	2.53E-09	3.10E-10	1.02E-09	7.05E-11	1.40E-09
7874	470370.84	3819692.65	3.69E-09	1.55E-08	1.39E-09	2.06E-08	3.07E-09	1.14E-08	1.00E-09	1.54E-08	3.48E-10	1.99E-09	2.38E-10	2.58E-09	3.16E-10	1.04E-09	7.19E-11	1.43E-09
7875	470362.16	3819696.12	3.76E-09	1.58E-08	1.42E-09	2.10E-08	3.13E-09	1.16E-08	1.02E-09	1.58E-08	3.55E-10	2.03E-09	2.43E-10	2.63E-09	3.23E-10	1.06E-09	7.34E-11	1.46E-09
7876	470353.48	3819699.59	3.84E-09	1.61E-08	1.45E-09	2.14E-08	3.19E-09	1.18E-08	1.04E-09	1.61E-08	3.62E-10	2.07E-09	2.47E-10	2.68E-09	3.29E-10	1.09E-09	7.48E-11	1.49E-09
7877	470344.8	3819703.06	3.91E-09	1.64E-08	1.48E-09	2.18E-08	3.26E-09	1.21E-08	1.06E-09	1.64E-08	3.69E-10	2.11E-09	2.52E-10	2.74E-09	3.36E-10	1.11E-09	7.63E-11	1.52E-09
7878	470336.11	3819706.53	3.98E-09	1.67E-08	1.51E-09	2.22E-08	3.32E-09	1.23E-08	1.08E-09	1.67E-08	3.76E-10	2.15E-09	2.57E-10	2.79E-09	3.42E-10	1.13E-09	7.78E-11	1.55E-09
7879	470327.43	3819709.99	4.06E-09	1.70E-08	1.53E-09	2.26E-08	3.38E-09	1.25E-08	1.10E-09	1.70E-08	3.83E-10	2.19E-09	2.62E-10	2.84E-09	3.48E-10	1.15E-09	7.92E-11	1.58E-09
7880	470318.75	3819713.46	4.13E-09	1.73E-08	1.56E-09	2.30E-08	3.44E-09	1.27E-08	1.12E-09	1.73E-08	3.90E-10	2.23E-09	2.66E-10	2.89E-09	3.55E-10	1.17E-09	8.06E-11	1.60E-09
7881	470310.07	3819716.93	4.2E-09	1.76E-08	1.59E-09	2.34E-08	3.50E-09	1.30E-08	1.14E-09	1.76E-08	3.97E-10	2.27E-09	2.71E-10	2.94E-09	3.61E-10	1.19E-09	8.20E-11	1.63E-09
7882	470301.39	3819720.4	4.27E-09	1.79E-08	1.61E-09	2.38E-08	3.56E-09	1.32E-08	1.16E-09	1.79E-08	4.03E-10	2.31E-09	2.75E-10	2.99E-09	3.66E-10	1.21E-09	8.33E-11	1.66E-09
7883	470560.98	3819250.62	2.49E-09	1.04E-08	9.40E-10	1.39E-08	2.07E-09	7.67E-09	6.75E-10	1.04E-08	2.35E-10	1.34E-09	1.60E-10	1.74E-09	2.13E-10	7.03E-10	4.85E-11	9.65E-10
7884	470561.06	3819240.97	2.37E-09	9.94E-09	8.95E-10	1.32E-08	1.97E-09	7.30E-09	6.43E-10	9.92E-09	2.24E-10	1.28E-09	1.53E-10	1.66E-09	2.03E-10	6.70E-10	4.62E-11	9.19E-10
7885	470549.15	3819524.05	3.27E-09	1.37E-08	1.24E-09	1.82E-08	2.72E-09	1.01E-08	8.88E-10	1.37E-08	3.09E-10	1.77E-09	2.11E-10	2.29E-09	2.81E-10	9.26E-10	6.38E-11	1.27E-09
7886	470545.39	3819532.88	3.25E-09	1.37E-08	1.23E-09	1.81E-08	2.71E-09	1.00E-08	8.83E-10	1.36E-08	3.07E-10	1.76E-09	2.10E-10	2.28E-09	2.79E-10	9.21E-10	6.35E-11	1.26E-09
7887	470541.63	3819541.71	3.23E-09	1.36E-08	1.22E-09	1.80E-08	2.69E-09	9.97E-09	8.77E-10	1.35E-08	3.05E-10	1.75E-09	2.08E-10	2.26E-09	2.77E-10	9.15E-10	6.30E-11	1.26E-09
7888	470537.87	3819550.54	3.21E-09	1.35E-08	1.21E-09	1.79E-08	2.67E-09	9.89E-09	8.70E-10	1.34E-08	3.03E-10	1.73E-09	2.07E-10	2.24E-09	2.75E-10	9.07E-10	6.25E-11	1.24E-09
7889	470534.11	3819559.37	3.18E-09	1.33E-08	1.20E-09	1.77E-08	2.64E-09	9.80E-09	8.62E-10	1.33E-08	3.00E-10	1.72E-09	2.05E-10	2.22E-09	2.73E-10	8.99E-10	6.20E-11	1.23E-09
7890	470530.35	3819568.2	3.14E-09	1.32E-08	1.19E-09	1.75E-08	2.62E-09	9.70E-09	8.53E-10	1.32E-08	2.97E-10	1.70E-09	2.03E-10	2.20E-09	2.70E-10	8.89E-10	6.13E-11	1.22E-09
7891	470526.59	3819577.03	3.11E-09	1.30E-08	1.17E-09	1.73E-08	2.59E-09	9.58E-09	8.43E-10	1.30E-08	2.93E-10	1.68E-09	2.00E-10	2.17E-09	2.67E-10	8.79E-10	6.06E-11	1.21E-09
7892	470522.83	3819585.86	3.07E-09	1.29E-08	1.16E-09	1.71E-08	2.55E-09	9.47E-09	8.33E-10	1.29E-08	2.90E-10	1.66E-09	1.98E-10	2.15E-09	2.63E-10	8.68E-10	5.99E-11	1.19E-09
7893	470519.07	3819594.69	3.03E-09	1.27E-08	1.14E-09	1.69E-08	2.52E-09	9.34E-09	8.22E-10	1.27E-08	2.86E-10	1.64E-09	1.95E-10	2.12E-09	2.60E-10	8.57E-10	5.91E-11	1.18E-09
7894	470515.31	3819603.52	2.98E-09	1.25E-08	1.13E-09	1.66E-08	2.49E-09	9.21E-09	8.10E-10	1.25E-08	2.82E-10	1.61E-09	1.92E-10	2.09E-09	2.56E-10	8.45E-10	5.82E-11	1.16E-09
7895	470511.55	3819612.35	2.94E-09	1.23E-08	1.11E-09	1.64E-08	2.45E-09	9.07E-09	7.98E-10	1.23E-08	2.78E-10	1.59E-09	1.90E-10	2.06E-09	2.52E-10	8.32E-10	5.74E-11	1.14E-09
7896	470507.79	3819621.18	2.9E-09	1.22E-08	1.10E-09	1.61E-08	2.41E-09	8.93E-09	7.86E-10	1.21E-08	2.73E-10	1.57E-09	1.87E-10	2.03E-09	2.49E-10	8.20E-10	5.65E-11	1.12E-09

7897	470504.03	3819630.01	2.85E-09	1.20E-08	1.08E-09	1.59E-08	2.37E-09	8.79E-09	7.74E-10	1.19E-08	2.69E-10	1.54E-09	1.84E-10	1.99E-09	2.45E-10	8.07E-10	5.56E-11	1.11E-09
7898	470500.26	3819638.84	2.8E-09	1.18E-08	1.06E-09	1.56E-08	2.34E-09	8.65E-09	7.61E-10	1.17E-08	2.65E-10	1.52E-09	1.81E-10	1.96E-09	2.41E-10	7.94E-10	5.47E-11	1.09E-09
7899	470496.5	3819647.67	2.76E-09	1.16E-08	1.04E-09	1.54E-08	2.30E-09	8.51E-09	7.48E-10	1.16E-08	2.60E-10	1.49E-09	1.78E-10	1.93E-09	2.37E-10	7.80E-10	5.38E-11	1.07E-09
7900	470492.74	3819656.5	2.71E-09	1.14E-08	1.02E-09	1.51E-08	2.26E-09	8.36E-09	7.36E-10	1.14E-08	2.56E-10	1.46E-09	1.75E-10	1.90E-09	2.33E-10	7.67E-10	5.29E-11	1.05E-09
7901	470480.07	3819668.9	2.71E-09	1.14E-08	1.02E-09	1.51E-08	2.26E-09	8.36E-09	7.35E-10	1.13E-08	2.56E-10	1.46E-09	1.75E-10	1.89E-09	2.33E-10	7.67E-10	5.28E-11	1.05E-09
7902	470471.16	3819672.46	2.76E-09	1.16E-08	1.04E-09	1.54E-08	2.30E-09	8.50E-09	7.48E-10	1.15E-08	2.60E-10	1.49E-09	1.78E-10	1.93E-09	2.37E-10	7.80E-10	5.38E-11	1.07E-09
7903	470462.24	3819676.02	2.81E-09	1.18E-08	1.06E-09	1.57E-08	2.34E-09	8.66E-09	7.62E-10	1.18E-08	2.65E-10	1.52E-09	1.81E-10	1.96E-09	2.41E-10	7.94E-10	5.48E-11	1.09E-09
7904	470453.33	3819679.58	2.86E-09	1.20E-08	1.08E-09	1.59E-08	2.38E-09	8.82E-09	7.76E-10	1.20E-08	2.70E-10	1.55E-09	1.84E-10	2.00E-09	2.45E-10	8.09E-10	5.58E-11	1.11E-09
7905	470444.42	3819683.14	2.91E-09	1.22E-08	1.10E-09	1.62E-08	2.43E-09	8.99E-09	7.91E-10	1.22E-08	2.75E-10	1.57E-09	1.88E-10	2.04E-09	2.50E-10	8.24E-10	5.68E-11	1.13E-09
7906	470435.51	3819686.7	2.97E-09	1.25E-08	1.12E-09	1.65E-08	2.47E-09	9.15E-09	8.05E-10	1.24E-08	2.80E-10	1.60E-09	1.91E-10	2.08E-09	2.55E-10	8.40E-10	5.79E-11	1.15E-09
7907	470426.59	3819690.26	3.02E-09	1.27E-08	1.14E-09	1.69E-08	2.52E-09	9.33E-09	8.21E-10	1.27E-08	2.85E-10	1.63E-09	1.95E-10	2.11E-09	2.59E-10	8.56E-10	5.90E-11	1.17E-09
7908	470417.68	3819693.82	3.08E-09	1.29E-08	1.17E-09	1.72E-08	2.57E-09	9.51E-09	8.36E-10	1.29E-08	2.91E-10	1.67E-09	1.99E-10	2.15E-09	2.64E-10	8.72E-10	6.01E-11	1.20E-09
7909	470408.77	3819697.38	3.14E-09	1.32E-08	1.19E-09	1.75E-08	2.62E-09	9.69E-09	8.52E-10	1.32E-08	2.97E-10	1.70E-09	2.03E-10	2.20E-09	2.70E-10	8.89E-10	6.13E-11	1.22E-09
7910	470399.85	3819700.95	3.2E-09	1.34E-08	1.21E-09	1.79E-08	2.67E-09	9.88E-09	8.69E-10	1.34E-08	3.02E-10	1.73E-09	2.07E-10	2.24E-09	2.75E-10	9.06E-10	6.25E-11	1.24E-09
7911	470390.94	3819704.51	3.27E-09	1.37E-08	1.24E-09	1.82E-08	2.72E-09	1.01E-08	8.86E-10	1.37E-08	3.08E-10	1.77E-09	2.11E-10	2.28E-09	2.80E-10	9.24E-10	6.37E-11	1.27E-09
7912	470382.03	3819708.07	3.33E-09	1.40E-08	1.26E-09	1.86E-08	2.77E-09	1.03E-08	9.04E-10	1.40E-08	3.15E-10	1.80E-09	2.15E-10	2.33E-09	2.86E-10	9.43E-10	6.50E-11	1.29E-09
7913	470373.12	3819711.63	3.4E-09	1.43E-08	1.28E-09	1.90E-08	2.83E-09	1.05E-08	9.22E-10	1.42E-08	3.21E-10	1.84E-09	2.19E-10	2.38E-09	2.92E-10	9.62E-10	6.63E-11	1.32E-09
7914	470364.2	3819715.19	3.47E-09	1.46E-08	1.31E-09	1.93E-08	2.89E-09	1.07E-08	9.41E-10	1.45E-08	3.27E-10	1.87E-09	2.24E-10	2.42E-09	2.97E-10	9.81E-10	6.76E-11	1.35E-09
7915	470355.29	3819718.75	3.53E-09	1.48E-08	1.34E-09	1.97E-08	2.94E-09	1.09E-08	9.59E-10	1.48E-08	3.34E-10	1.91E-09	2.28E-10	2.47E-09	3.03E-10	1.00E-09	6.89E-11	1.37E-09
7916	470346.38	3819722.31	3.6E-09	1.51E-08	1.36E-09	2.01E-08	3.00E-09	1.11E-08	9.77E-10	1.51E-08	3.40E-10	1.95E-09	2.32E-10	2.52E-09	3.09E-10	1.02E-09	7.03E-11	1.40E-09
7917	470337.46	3819725.87	3.67E-09	1.54E-08	1.39E-09	2.05E-08	3.06E-09	1.13E-08	9.96E-10	1.54E-08	3.46E-10	1.98E-09	2.37E-10	2.57E-09	3.15E-10	1.04E-09	7.16E-11	1.42E-09
7918	470328.55	3819729.43	3.73E-09	1.57E-08	1.41E-09	2.08E-08	3.11E-09	1.15E-08	1.01E-09	1.56E-08	3.53E-10	2.02E-09	2.41E-10	2.61E-09	3.21E-10	1.06E-09	7.29E-11	1.45E-09
7919	470319.64	3819733	3.8E-09	1.59E-08	1.44E-09	2.12E-08	3.16E-09	1.17E-08	1.03E-09	1.59E-08	3.59E-10	2.05E-09	2.45E-10	2.66E-09	3.26E-10	1.07E-09	7.41E-11	1.47E-09
7920	470310.73	3819736.56	3.86E-09	1.62E-08	1.46E-09	2.15E-08	3.22E-09	1.19E-08	1.05E-09	1.62E-08	3.65E-10	2.09E-09	2.49E-10	2.70E-09	3.31E-10	1.09E-09	7.53E-11	1.50E-09
7921	470301.81	3819740.12	3.92E-09	1.65E-08	1.48E-09	2.19E-08	3.27E-09	1.21E-08	1.06E-09	1.64E-08	3.70E-10	2.12E-09	2.53E-10	2.74E-09	3.37E-10	1.11E-09	7.65E-11	1.52E-09
7922	470580.4	3819318.33	2.91E-09	1.22E-08	1.10E-09	1.62E-08	2.42E-09	8.97E-09	7.89E-10	1.22E-08	2.74E-10	1.57E-09	1.87E-10	2.03E-09	2.50E-10	8.23E-10	5.67E-11	1.13E-09
7923	470580.48	3819308.68	2.83E-09	1.19E-08	1.07E-09	1.58E-08	2.35E-09	8.73E-09	7.68E-10	1.18E-08	2.67E-10	1.53E-09	1.82E-10	1.98E-09	2.43E-10	8.00E-10	5.52E-11	1.10E-09
7924	470580.56	3819299.03	2.74E-09	1.15E-08	1.04E-09	1.53E-08	2.28E-09	8.46E-09	7.44E-10	1.15E-08	2.59E-10	1.48E-09	1.77E-10	1.92E-09	2.35E-10	7.76E-10	5.35E-11	1.07E-09
7925	470580.65	3819289.38	2.65E-09	1.11E-08	1.00E-09	1.48E-08	2.21E-09	8.19E-09	7.20E-10	1.11E-08	2.51E-10	1.43E-09	1.71E-10	1.86E-09	2.28E-10	7.51E-10	5.18E-11	1.03E-09
7926	470580.73	3819279.73	2.56E-09	1.07E-08	9.68E-10	1.43E-08	2.13E-09	7.90E-09	6.95E-10	1.07E-08	2.42E-10	1.38E-09	1.65E-10	1.79E-09	2.20E-10	7.24E-10	4.99E-11	9.94E-10
7927	470580.81	3819270.09	2.46E-09	1.03E-08	9.31E-10	1.37E-08	2.05E-09	7.60E-09	6.68E-10	1.03E-08	2.33E-10	1.33E-09	1.59E-10	1.72E-09	2.11E-10	6.97E-10	4.80E-11	9.56E-10
7928	470580.89	3819260.44	2.36E-09	9.92E-09	8.94E-10	1.32E-08	1.97E-09	7.29E-09	6.42E-10	9.90E-09	2.23E-10	1.28E-09	1.52E-10	1.65E-09	2.03E-10	6.69E-10	4.61E-11	9.18E-10
7929	470580.98	3819250.79	2.26E-09	9.50E-09	8.56E-10	1.26E-08	1.88E-09	6.98E-09	6.14E-10	9.48E-09	2.14E-10	1.22E-09	1.46E-10	1.58E-09	1.94E-10	6.40E-10	4.41E-11	8.79E-10
7930	470581.06	3819241.14	2.16E-09	9.07E-09	8.17E-10	1.21E-08	1.80E-09	6.67E-09	5.87E-10	9.05E-09	2.04E-10	1.17E-09	1.39E-10	1.51E-09	1.85E-10	6.12E-10	4.22E-11	8.39E-10
7931	470557.13	3819599.57	2.58E-09	1.08E-08	9.76E-10	1.44E-08	2.15E-09	7.97E-09	7.01E-10	1.08E-08	2.44E-10	1.40E-09	1.67E-10	1.81E-09	2.22E-10	7.31E-10	5.04E-11	1.00E-09
7932	470553.48	3819608.15	2.55E-09	1.07E-08	9.66E-10	1.42E-08	2.13E-09	7.88E-09	6.93E-10	1.07E-08	2.41E-10	1.38E-09	1.65E-10	1.79E-09	2.19E-10	7.23E-10	4.98E-11	9.92E-10
7933	470549.83	3819616.73	2.52E-09	1.06E-08	9.54E-10	1.41E-08	2.10E-09	7.79E-09	6.85E-10	1.06E-08	2.38E-10	1.36E-09	1.63E-10	1.77E-09	2.17E-10	7.14E-10	4.92E-11	9.80E-10
7934	470546.17	3819625.31	2.49E-09	1.05E-08	9.43E-10	1.39E-08	2.08E-09	7.69E-09	6.77E-10	1.04E-08	2.35E-10	1.35E-09	1.61E-10	1.74E-09	2.14E-10	7.06E-10	4.86E-11	9.68E-10
7935	470542.52	3819633.89	2.46E-09	1.03E-08	9.31E-10	1.37E-08	2.05E-09	7.59E-09	6.68E-10	1.03E-08	2.32E-10	1.33E-09	1.59E-10	1.72E-09	2.11E-10	6.97E-10	4.80E-11	9.56E-10
7936	470538.87	3819642.47	2.43E-09	1.02E-08	9.18E-10	1.35E-08	2.02E-09	7.49E-09	6.59E-10	1.02E-08	2.29E-10	1.31E-09	1.57E-10	1.70E-09	2.08E-10	6.87E-10	4.74E-11	9.43E-10
7937	470535.21	3819651.04	2.39E-09	1.01E-08	9.06E-10	1.34E-08	1.99E-09	7.39E-09	6.50E-10	1.00E-08	2.26E-10	1.29E-09	1.54E-10	1.68E-09	2.06E-10	6.78E-10	4.67E-11	9.30E-10
7938	470531.56	3819659.62	2.36E-09	9.91E-09	8.92E-10	1.32E-08	1.97E-09	7.28E-09	6.41E-10	9.89E-09	2.23E-10	1.28E-09	1.52E-10	1.65E-09	2.03E-10	6.68E-10	4.60E-11	9.17E-10
7939	470527.91	3819668.2	2.32E-09	9.76E-09	8.79E-10	1.30E-08	1.94E-09	7.17E-09	6.31E-10	9.74E-09	2.20E-10	1.26E-09	1.50E-10	1.63E-09	2.00E-10	6.58E-10	4.54E-11	9.03E-10
7940	470524.25	3819676.78	2.29E-09	9.62E-09	8.66E-10	1.28E-08	1.91E-09	7.07E-09	6.22E-10	9.59E-09	2.16E-10	1.24E-09	1.48E-10	1.60E-09	1.97E-10	6.48E-10	4.47E-11	8.89E-10
7941	470520.6	3819685.36	2.26E-09	9.47E-09	8.53E-10	1.26E-08	1.88E-09	6.96E-09	6.12E-10	9.45E-09	2.13E-10	1.22E-09	1.45E-10	1.58E-09	1.94E-10	6.38E-10	4.40E-11	8.76E-10
7942	470508.29	3819697.39	2.26E-09	9.48E-09	8.53E-10	1.26E-08	1.88E-09	6.96E-09	6.12E-10	9.45E-09	2.13E-10	1.22E-09	1.46E-10	1.58E-09	1.94E-10	6.39E-10	4.40E-11	8.76E-10
7943	470499.63	3819700.85	2.29E-09	9.62E-09	8.67E-10	1.28E-08	1.91E-09	7.07E-09	6.22E-10	9.60E-09	2.16E-10	1.24E-09	1.48E-10	1.60E-09	1.97E-10	6.49E-10	4.47E-11	8.90E-10
7944	470490.97	3819704.31	2.33E-09	9.77E-09	8.80E-10	1.30E-08	1.94E-09	7.18E-09	6.32E-10	9.75E-09	2.20E-10	1.26E-09	1.50E-10	1.63E-09	2.00E-10	6.59E-10	4.54E-11	9.04E-10
7945	470482.31	3819707.77	2.36E-09	9.93E-09	8.94E-10	1.32E-08	1.97E-09	7.30E-09	6.42E-10	9.91E-09	2.23E-10	1.28E-09	1.52E-10	1.65E-09	2.03E-10	6.69E-10	4.61E-11	9.18E-10
7946	470473.66	3819711.23	2.4E-09	1.01E-08	9.09E-10	1.34E-08	2.00E-09	7.41E-09	6.52E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.68E-09	2.06E-10	6.80E-10	4.69E-11	9.33E-10

7947	470465	3819714.69	2.44E-09	1.03E-08	9.24E-10	1.36E-08	2.03E-09	7.54E-09	6.63E-10	1.02E-08	2.31E-10	1.32E-09	1.58E-10	1.71E-09	2.10E-10	6.91E-10	4.77E-11	9.49E-10
7948	470456.34	3819718.15	2.48E-09	1.04E-08	9.39E-10	1.39E-08	2.07E-09	7.67E-09	6.74E-10	1.04E-08	2.35E-10	1.34E-09	1.60E-10	1.74E-09	2.13E-10	7.03E-10	4.85E-11	9.65E-10
7949	470447.68	3819721.61	2.53E-09	1.06E-08	9.56E-10	1.41E-08	2.10E-09	7.80E-09	6.86E-10	1.06E-08	2.39E-10	1.37E-09	1.63E-10	1.77E-09	2.17E-10	7.15E-10	4.93E-11	9.82E-10
7950	470439.02	3819725.07	2.57E-09	1.08E-08	9.72E-10	1.43E-08	2.14E-09	7.93E-09	6.98E-10	1.08E-08	2.43E-10	1.39E-09	1.66E-10	1.80E-09	2.21E-10	7.28E-10	5.02E-11	9.99E-10
7951	470430.36	3819728.53	2.62E-09	1.10E-08	9.89E-10	1.46E-08	2.18E-09	8.07E-09	7.10E-10	1.10E-08	2.47E-10	1.41E-09	1.69E-10	1.83E-09	2.25E-10	7.40E-10	5.10E-11	1.02E-09
7952	470421.71	3819731.99	2.66E-09	1.12E-08	1.01E-09	1.48E-08	2.22E-09	8.21E-09	7.23E-10	1.12E-08	2.51E-10	1.44E-09	1.72E-10	1.86E-09	2.29E-10	7.54E-10	5.19E-11	1.03E-09
7953	470413.05	3819735.45	2.71E-09	1.14E-08	1.02E-09	1.51E-08	2.26E-09	8.36E-09	7.36E-10	1.14E-08	2.56E-10	1.47E-09	1.75E-10	1.90E-09	2.33E-10	7.67E-10	5.29E-11	1.05E-09
7954	470404.39	3819738.91	2.76E-09	1.16E-08	1.04E-09	1.54E-08	2.30E-09	8.51E-09	7.49E-10	1.16E-08	2.61E-10	1.49E-09	1.78E-10	1.93E-09	2.37E-10	7.81E-10	5.38E-11	1.07E-09
7955	470395.73	3819742.37	2.81E-09	1.18E-08	1.06E-09	1.57E-08	2.34E-09	8.67E-09	7.63E-10	1.18E-08	2.65E-10	1.52E-09	1.81E-10	1.97E-09	2.41E-10	7.95E-10	5.48E-11	1.09E-09
7956	470387.07	3819745.83	2.86E-09	1.20E-08	1.08E-09	1.60E-08	2.38E-09	8.83E-09	7.77E-10	1.20E-08	2.70E-10	1.55E-09	1.85E-10	2.00E-09	2.46E-10	8.10E-10	5.58E-11	1.11E-09
7957	470378.42	3819749.28	2.91E-09	1.22E-08	1.10E-09	1.63E-08	2.43E-09	8.99E-09	7.91E-10	1.22E-08	2.75E-10	1.58E-09	1.88E-10	2.04E-09	2.50E-10	8.25E-10	5.69E-11	1.13E-09
7958	470369.76	3819752.74	2.97E-09	1.25E-08	1.12E-09	1.65E-08	2.47E-09	9.15E-09	8.05E-10	1.24E-08	2.80E-10	1.60E-09	1.91E-10	2.07E-09	2.55E-10	8.40E-10	5.79E-11	1.15E-09
7959	470361.1	3819756.2	3.02E-09	1.27E-08	1.14E-09	1.68E-08	2.51E-09	9.31E-09	8.19E-10	1.26E-08	2.85E-10	1.63E-09	1.95E-10	2.11E-09	2.59E-10	8.54E-10	5.89E-11	1.17E-09
7960	470352.44	3819759.66	3.07E-09	1.29E-08	1.16E-09	1.71E-08	2.56E-09	9.48E-09	8.33E-10	1.29E-08	2.90E-10	1.66E-09	1.98E-10	2.15E-09	2.64E-10	8.69E-10	5.99E-11	1.19E-09
7961	470343.78	3819763.12	3.12E-09	1.31E-08	1.18E-09	1.74E-08	2.60E-09	9.64E-09	8.48E-10	1.31E-08	2.95E-10	1.69E-09	2.01E-10	2.18E-09	2.68E-10	8.84E-10	6.09E-11	1.21E-09
7962	470335.12	3819766.58	3.17E-09	1.33E-08	1.20E-09	1.77E-08	2.64E-09	9.80E-09	8.62E-10	1.33E-08	3.00E-10	1.72E-09	2.05E-10	2.22E-09	2.73E-10	8.99E-10	6.19E-11	1.23E-09
7963	470326.47	3819770.04	3.22E-09	1.35E-08	1.22E-09	1.80E-08	2.69E-09	9.95E-09	8.75E-10	1.35E-08	3.04E-10	1.74E-09	2.08E-10	2.26E-09	2.77E-10	9.13E-10	6.29E-11	1.25E-09
7964	470317.81	3819773.5	3.27E-09	1.37E-08	1.24E-09	1.82E-08	2.72E-09	1.01E-08	8.88E-10	1.37E-08	3.09E-10	1.77E-09	2.11E-10	2.29E-09	2.81E-10	9.26E-10	6.38E-11	1.27E-09
7965	470309.15	3819776.96	3.31E-09	1.39E-08	1.25E-09	1.85E-08	2.76E-09	1.02E-08	8.99E-10	1.39E-08	3.13E-10	1.79E-09	2.14E-10	2.32E-09	2.84E-10	9.38E-10	6.46E-11	1.29E-09
7966	470300.49	3819780.42	3.35E-09	1.41E-08	1.27E-09	1.87E-08	2.79E-09	1.03E-08	9.10E-10	1.40E-08	3.17E-10	1.81E-09	2.16E-10	2.34E-09	2.88E-10	9.49E-10	6.54E-11	1.30E-09
7967	470619.24	3819453.75	2.65E-09	1.11E-08	1.00E-09	1.48E-08	2.21E-09	8.17E-09	7.19E-10	1.11E-08	2.50E-10	1.43E-09	1.71E-10	1.85E-09	2.27E-10	7.50E-10	5.17E-11	1.03E-09
7968	470619.32	3819444.1	2.66E-09	1.12E-08	1.01E-09	1.49E-08	2.22E-09	8.22E-09	7.23E-10	1.12E-08	2.52E-10	1.44E-09	1.72E-10	1.86E-09	2.29E-10	7.54E-10	5.20E-11	1.03E-09
7969	470619.4	3819434.45	2.68E-09	1.12E-08	1.01E-09	1.49E-08	2.23E-09	8.26E-09	7.26E-10	1.12E-08	2.53E-10	1.45E-09	1.73E-10	1.87E-09	2.30E-10	7.57E-10	5.22E-11	1.04E-09
7970	470619.49	3819424.8	2.68E-09	1.13E-08	1.01E-09	1.50E-08	2.23E-09	8.28E-09	7.28E-10	1.12E-08	2.53E-10	1.45E-09	1.73E-10	1.88E-09	2.30E-10	7.59E-10	5.23E-11	1.04E-09
7971	470619.57	3819415.15	2.68E-09	1.13E-08	1.01E-09	1.50E-08	2.23E-09	8.28E-09	7.28E-10	1.12E-08	2.53E-10	1.45E-09	1.73E-10	1.88E-09	2.30E-10	7.59E-10	5.23E-11	1.04E-09
7972	470619.65	3819405.5	2.68E-09	1.12E-08	1.01E-09	1.49E-08	2.23E-09	8.26E-09	7.27E-10	1.12E-08	2.53E-10	1.45E-09	1.73E-10	1.87E-09	2.30E-10	7.58E-10	5.23E-11	1.04E-09
7973	470619.73	3819395.86	2.67E-09	1.12E-08	1.01E-09	1.49E-08	2.22E-09	8.23E-09	7.24E-10	1.12E-08	2.52E-10	1.44E-09	1.72E-10	1.87E-09	2.29E-10	7.55E-10	5.21E-11	1.04E-09
7974	470619.82	3819386.21	2.65E-09	1.11E-08	1.00E-09	1.48E-08	2.21E-09	8.18E-09	7.20E-10	1.11E-08	2.50E-10	1.43E-09	1.71E-10	1.85E-09	2.28E-10	7.51E-10	5.17E-11	1.03E-09
7975	470619.9	3819376.56	2.63E-09	1.10E-08	9.94E-10	1.47E-08	2.19E-09	8.11E-09	7.14E-10	1.10E-08	2.48E-10	1.42E-09	1.70E-10	1.84E-09	2.26E-10	7.44E-10	5.13E-11	1.02E-09
7976	470619.98	3819366.91	2.6E-09	1.09E-08	9.84E-10	1.45E-08	2.17E-09	8.03E-09	7.06E-10	1.09E-08	2.46E-10	1.41E-09	1.68E-10	1.82E-09	2.23E-10	7.36E-10	5.08E-11	1.01E-09
7977	470620.06	3819357.26	2.57E-09	1.08E-08	9.71E-10	1.43E-08	2.14E-09	7.92E-09	6.97E-10	1.08E-08	2.43E-10	1.39E-09	1.66E-10	1.80E-09	2.20E-10	7.27E-10	5.01E-11	9.98E-10
7978	470620.15	3819347.62	2.53E-09	1.06E-08	9.56E-10	1.41E-08	2.11E-09	7.80E-09	6.86E-10	1.06E-08	2.39E-10	1.37E-09	1.63E-10	1.77E-09	2.17E-10	7.16E-10	4.93E-11	9.82E-10
7979	470620.23	3819337.97	2.48E-09	1.04E-08	9.39E-10	1.39E-08	2.07E-09	7.67E-09	6.74E-10	1.04E-08	2.35E-10	1.34E-09	1.60E-10	1.74E-09	2.13E-10	7.03E-10	4.85E-11	9.65E-10
7980	470620.31	3819328.32	2.43E-09	1.02E-08	9.21E-10	1.36E-08	2.03E-09	7.51E-09	6.61E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.70E-09	2.09E-10	6.89E-10	4.75E-11	9.45E-10
7981	470655.55	3819462.75	2.24E-09	9.40E-09	8.46E-10	1.25E-08	1.86E-09	6.91E-09	6.07E-10	9.38E-09	2.11E-10	1.21E-09	1.44E-10	1.57E-09	1.92E-10	6.33E-10	4.37E-11	8.69E-10
7982	470651.86	3819471.41	2.26E-09	9.48E-09	8.54E-10	1.26E-08	1.88E-09	6.97E-09	6.13E-10	9.46E-09	2.13E-10	1.22E-09	1.46E-10	1.58E-09	1.94E-10	6.39E-10	4.41E-11	8.77E-10
7983	470648.17	3819480.07	2.28E-09	9.56E-09	8.61E-10	1.27E-08	1.90E-09	7.02E-09	6.18E-10	9.54E-09	2.15E-10	1.23E-09	1.47E-10	1.59E-09	1.95E-10	6.44E-10	4.44E-11	8.84E-10
7984	470644.48	3819488.73	2.29E-09	9.62E-09	8.66E-10	1.28E-08	1.91E-09	7.07E-09	6.22E-10	9.60E-09	2.16E-10	1.24E-09	1.48E-10	1.60E-09	1.97E-10	6.48E-10	4.47E-11	8.89E-10
7985	470640.8	3819497.39	2.3E-09	9.66E-09	8.70E-10	1.28E-08	1.92E-09	7.10E-09	6.25E-10	9.64E-09	2.17E-10	1.24E-09	1.48E-10	1.61E-09	1.98E-10	6.51E-10	4.49E-11	8.94E-10
7986	470637.11	3819506.05	2.31E-09	9.70E-09	8.73E-10	1.29E-08	1.92E-09	7.13E-09	6.27E-10	9.68E-09	2.18E-10	1.25E-09	1.49E-10	1.62E-09	1.98E-10	6.54E-10	4.51E-11	8.97E-10
7987	470633.42	3819514.71	2.31E-09	9.72E-09	8.75E-10	1.29E-08	1.93E-09	7.14E-09	6.28E-10	9.70E-09	2.19E-10	1.25E-09	1.49E-10	1.62E-09	1.99E-10	6.55E-10	4.52E-11	8.99E-10
7988	470567.04	3819670.58	2.04E-09	8.59E-09	7.73E-10	1.14E-08	1.70E-09	6.31E-09	5.55E-10	8.57E-09	1.93E-10	1.11E-09	1.32E-10	1.43E-09	1.75E-10	5.79E-10	3.99E-11	7.94E-10
7989	470563.35	3819679.24	2.02E-09	8.47E-09	7.63E-10	1.13E-08	1.68E-09	6.23E-09	5.48E-10	8.45E-09	1.91E-10	1.09E-09	1.30E-10	1.41E-09	1.73E-10	5.71E-10	3.94E-11	7.84E-10
7990	470559.66	3819687.9	1.99E-09	8.36E-09	7.53E-10	1.11E-08	1.66E-09	6.15E-09	5.41E-10	8.34E-09	1.88E-10	1.08E-09	1.28E-10	1.39E-09	1.71E-10	5.64E-10	3.89E-11	7.74E-10
7991	470555.98	3819696.56	1.96E-09	8.25E-09	7.43E-10	1.10E-08	1.64E-09	6.06E-09	5.33E-10	8.23E-09	1.86E-10	1.06E-09	1.27E-10	1.37E-09	1.69E-10	5.56E-10	3.83E-11	7.63E-10
7992	470552.29	3819705.22	1.94E-09	8.14E-09	7.33E-10	1.08E-08	1.61E-09	5.98E-09	5.26E-10	8.12E-09	1.83E-10	1.05E-09	1.25E-10	1.36E-09	1.66E-10	5.49E-10	3.78E-11	7.53E-10
7993	470548.6	3819713.88	1.91E-09	8.03E-09	7.23E-10	1.07E-08	1.59E-09	5.90E-09	5.19E-10	8.01E-09	1.80E-10	1.03E-09	1.23E-10	1.34E-09	1.64E-10	5.41E-10	3.73E-11	7.42E-10
7994	470536.17	3819726.03	1.91E-09	8.03E-09	7.23E-10	1.07E-08	1.59E-09	5.90E-09	5.19E-10	8.01E-09	1.81E-10	1.03E-09	1.23E-10	1.34E-09	1.64E-10	5.41E-10	3.73E-11	7.43E-10
7995	470527.43	3819729.52	1.94E-09	8.14E-09	7.33E-10	1.08E-08	1.62E-09	5.98E-09	5.26E-10	8.13E-09	1.83E-10	1.05E-09	1.25E-10	1.36E-09	1.67E-10	5.49E-10	3.78E-11	7.53E-10
7996	470518.69	3819733.01	1.97E-09	8.26E-09	7.44E-10	1.10E-08	1.64E-09	6.07E-09	5.34E-10	8.24E-09	1.86E-10	1.06E-09	1.27E-10	1.38E-09	1.69E-10	5.57E-10	3.84E-11	7.64E-10

7997	470509.95	3819736.5	2E-09	8.38E-09	7.55E-10	1.11E-08	1.66E-09	6.16E-09	5.42E-10	8.36E-09	1.88E-10	1.08E-09	1.29E-10	1.40E-09	1.71E-10	5.65E-10	3.89E-11	7.75E-10
7998	470501.21	3819740	2.03E-09	8.51E-09	7.66E-10	1.13E-08	1.69E-09	6.25E-09	5.50E-10	8.49E-09	1.91E-10	1.10E-09	1.31E-10	1.42E-09	1.74E-10	5.73E-10	3.95E-11	7.87E-10
7999	470492.47	3819743.49	2.06E-09	8.64E-09	7.78E-10	1.15E-08	1.71E-09	6.35E-09	5.58E-10	8.62E-09	1.94E-10	1.11E-09	1.33E-10	1.44E-09	1.77E-10	5.82E-10	4.01E-11	7.99E-10
8000	470483.73	3819746.98	2.09E-09	8.77E-09	7.90E-10	1.17E-08	1.74E-09	6.45E-09	5.67E-10	8.75E-09	1.97E-10	1.13E-09	1.35E-10	1.46E-09	1.79E-10	5.91E-10	4.08E-11	8.12E-10
8001	470474.99	3819750.47	2.12E-09	8.91E-09	8.03E-10	1.18E-08	1.77E-09	6.55E-09	5.76E-10	8.89E-09	2.00E-10	1.15E-09	1.37E-10	1.48E-09	1.82E-10	6.01E-10	4.14E-11	8.24E-10
8002	470466.25	3819753.97	2.16E-09	9.06E-09	8.15E-10	1.20E-08	1.80E-09	6.65E-09	5.85E-10	9.03E-09	2.04E-10	1.17E-09	1.39E-10	1.51E-09	1.85E-10	6.10E-10	4.21E-11	8.38E-10
8003	470457.51	3819757.46	2.19E-09	9.20E-09	8.29E-10	1.22E-08	1.83E-09	6.76E-09	5.95E-10	9.18E-09	2.07E-10	1.18E-09	1.41E-10	1.53E-09	1.88E-10	6.20E-10	4.28E-11	8.51E-10
8004	470448.77	3819760.95	2.23E-09	9.35E-09	8.42E-10	1.24E-08	1.86E-09	6.87E-09	6.05E-10	9.33E-09	2.10E-10	1.20E-09	1.44E-10	1.56E-09	1.91E-10	6.30E-10	4.35E-11	8.65E-10
8005	470440.03	3819764.44	2.27E-09	9.51E-09	8.57E-10	1.26E-08	1.89E-09	6.99E-09	6.15E-10	9.49E-09	2.14E-10	1.22E-09	1.46E-10	1.58E-09	1.94E-10	6.41E-10	4.42E-11	8.80E-10
8006	470431.29	3819767.93	2.3E-09	9.68E-09	8.71E-10	1.29E-08	1.92E-09	7.11E-09	6.25E-10	9.65E-09	2.18E-10	1.25E-09	1.49E-10	1.61E-09	1.98E-10	6.52E-10	4.50E-11	8.95E-10
8007	470422.55	3819771.43	2.34E-09	9.84E-09	8.86E-10	1.31E-08	1.95E-09	7.23E-09	6.36E-10	9.82E-09	2.21E-10	1.27E-09	1.51E-10	1.64E-09	2.01E-10	6.63E-10	4.57E-11	9.10E-10
8008	470413.81	3819774.92	2.39E-09	1.00E-08	9.02E-10	1.33E-08	1.99E-09	7.36E-09	6.47E-10	9.99E-09	2.25E-10	1.29E-09	1.54E-10	1.67E-09	2.05E-10	6.75E-10	4.65E-11	9.26E-10
8009	470405.07	3819778.41	2.43E-09	1.02E-08	9.18E-10	1.35E-08	2.02E-09	7.49E-09	6.59E-10	1.02E-08	2.29E-10	1.31E-09	1.57E-10	1.70E-09	2.08E-10	6.87E-10	4.74E-11	9.43E-10
8010	470396.33	3819781.9	2.47E-09	1.04E-08	9.34E-10	1.38E-08	2.06E-09	7.62E-09	6.70E-10	1.03E-08	2.33E-10	1.34E-09	1.59E-10	1.73E-09	2.12E-10	6.99E-10	4.82E-11	9.59E-10
8011	470387.59	3819785.39	2.51E-09	1.06E-08	9.50E-10	1.40E-08	2.09E-09	7.75E-09	6.82E-10	1.05E-08	2.37E-10	1.36E-09	1.62E-10	1.76E-09	2.16E-10	7.11E-10	4.90E-11	9.76E-10
8012	470378.84	3819788.89	2.56E-09	1.07E-08	9.66E-10	1.43E-08	2.13E-09	7.89E-09	6.94E-10	1.07E-08	2.41E-10	1.38E-09	1.65E-10	1.79E-09	2.19E-10	7.23E-10	4.99E-11	9.93E-10
8013	470370.1	3819792.38	2.6E-09	1.09E-08	9.83E-10	1.45E-08	2.17E-09	8.02E-09	7.06E-10	1.09E-08	2.45E-10	1.41E-09	1.68E-10	1.82E-09	2.23E-10	7.36E-10	5.07E-11	1.01E-09
8014	470361.36	3819795.87	2.64E-09	1.11E-08	1.00E-09	1.47E-08	2.20E-09	8.16E-09	7.18E-10	1.11E-08	2.50E-10	1.43E-09	1.70E-10	1.85E-09	2.27E-10	7.48E-10	5.16E-11	1.03E-09
8015	470352.62	3819799.36	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.29E-09	7.29E-10	1.13E-08	2.54E-10	1.45E-09	1.73E-10	1.88E-09	2.31E-10	7.60E-10	5.24E-11	1.04E-09
8016	470343.88	3819802.86	2.73E-09	1.14E-08	1.03E-09	1.52E-08	2.27E-09	8.41E-09	7.40E-10	1.14E-08	2.57E-10	1.47E-09	1.76E-10	1.91E-09	2.34E-10	7.71E-10	5.32E-11	1.06E-09
8017	470335.14	3819806.35	2.76E-09	1.16E-08	1.04E-09	1.54E-08	2.30E-09	8.53E-09	7.50E-10	1.16E-08	2.61E-10	1.49E-09	1.78E-10	1.93E-09	2.37E-10	7.82E-10	5.39E-11	1.07E-09
8018	470326.4	3819809.84	2.8E-09	1.18E-08	1.06E-09	1.56E-08	2.33E-09	8.64E-09	7.60E-10	1.17E-08	2.64E-10	1.51E-09	1.81E-10	1.96E-09	2.40E-10	7.92E-10	5.46E-11	1.09E-09
8019	470317.66	3819813.33	2.83E-09	1.19E-08	1.07E-09	1.58E-08	2.36E-09	8.74E-09	7.69E-10	1.19E-08	2.68E-10	1.53E-09	1.83E-10	1.98E-09	2.43E-10	8.02E-10	5.53E-11	1.10E-09
8020	470308.92	3819816.82	2.87E-09	1.20E-08	1.08E-09	1.60E-08	2.39E-09	8.85E-09	7.78E-10	1.20E-08	2.71E-10	1.55E-09	1.85E-10	2.01E-09	2.46E-10	8.12E-10	5.59E-11	1.11E-09
8021	470300.18	3819820.32	2.9E-09	1.22E-08	1.10E-09	1.62E-08	2.41E-09	8.94E-09	7.87E-10	1.21E-08	2.74E-10	1.57E-09	1.87E-10	2.03E-09	2.49E-10	8.20E-10	5.65E-11	1.13E-09
8022	470659.24	3819454.09	2.21E-09	9.30E-09	8.37E-10	1.24E-08	1.84E-09	6.83E-09	6.01E-10	9.28E-09	2.09E-10	1.20E-09	1.43E-10	1.55E-09	1.90E-10	6.27E-10	4.32E-11	8.60E-10
8023	470659.32	3819444.44	2.22E-09	9.34E-09	8.41E-10	1.24E-08	1.85E-09	6.86E-09	6.04E-10	9.32E-09	2.10E-10	1.20E-09	1.43E-10	1.56E-09	1.91E-10	6.29E-10	4.34E-11	8.64E-10
8024	470659.4	3819434.79	2.23E-09	9.36E-09	8.43E-10	1.24E-08	1.86E-09	6.88E-09	6.05E-10	9.34E-09	2.10E-10	1.21E-09	1.44E-10	1.56E-09	1.91E-10	6.31E-10	4.35E-11	8.66E-10
8025	470659.48	3819425.14	2.23E-09	9.37E-09	8.44E-10	1.24E-08	1.86E-09	6.88E-09	6.06E-10	9.35E-09	2.11E-10	1.21E-09	1.44E-10	1.56E-09	1.91E-10	6.31E-10	4.35E-11	8.66E-10
8026	470659.57	3819415.5	2.23E-09	9.36E-09	8.43E-10	1.24E-08	1.86E-09	6.88E-09	6.05E-10	9.34E-09	2.10E-10	1.20E-09	1.44E-10	1.56E-09	1.91E-10	6.31E-10	4.35E-11	8.66E-10
8027	470659.65	3819405.85	2.22E-09	9.33E-09	8.40E-10	1.24E-08	1.85E-09	6.86E-09	6.03E-10	9.31E-09	2.10E-10	1.20E-09	1.43E-10	1.55E-09	1.91E-10	6.29E-10	4.34E-11	8.63E-10
8028	470660.31	3819328.66	2.03E-09	8.50E-09	7.66E-10	1.13E-08	1.69E-09	6.25E-09	5.50E-10	8.49E-09	1.91E-10	1.09E-09	1.31E-10	1.42E-09	1.74E-10	5.73E-10	3.95E-11	7.87E-10
8029	470660.39	3819319.01	1.98E-09	8.33E-09	7.50E-10	1.11E-08	1.65E-09	6.12E-09	5.38E-10	8.31E-09	1.87E-10	1.07E-09	1.28E-10	1.39E-09	1.70E-10	5.61E-10	3.87E-11	7.70E-10
8030	470660.48	3819309.37	1.94E-09	8.14E-09	7.33E-10	1.08E-08	1.61E-09	5.98E-09	5.26E-10	8.12E-09	1.83E-10	1.05E-09	1.25E-10	1.36E-09	1.66E-10	5.49E-10	3.78E-11	7.53E-10
8031	470660.56	3819299.72	1.89E-09	7.93E-09	7.15E-10	1.05E-08	1.57E-09	5.83E-09	5.13E-10	7.92E-09	1.78E-10	1.02E-09	1.22E-10	1.32E-09	1.62E-10	5.35E-10	3.69E-11	7.34E-10
8032	470660.64	3819290.07	1.84E-09	7.72E-09	6.95E-10	1.03E-08	1.53E-09	5.67E-09	4.99E-10	7.70E-09	1.74E-10	9.94E-10	1.19E-10	1.29E-09	1.58E-10	5.20E-10	3.59E-11	7.14E-10
8033	470660.73	3819280.42	1.78E-09	7.50E-09	6.75E-10	9.96E-09	1.49E-09	5.51E-09	4.85E-10	7.48E-09	1.69E-10	9.65E-10	1.15E-10	1.25E-09	1.53E-10	5.05E-10	3.48E-11	6.93E-10
8034	470660.81	3819270.77	1.73E-09	7.26E-09	6.54E-10	9.65E-09	1.44E-09	5.34E-09	4.70E-10	7.25E-09	1.63E-10	9.35E-10	1.12E-10	1.21E-09	1.48E-10	4.90E-10	3.37E-11	6.72E-10
8035	470660.89	3819261.12	1.67E-09	7.02E-09	6.33E-10	9.33E-09	1.39E-09	5.16E-09	4.54E-10	7.01E-09	1.58E-10	9.04E-10	1.08E-10	1.17E-09	1.44E-10	4.73E-10	3.26E-11	6.50E-10
8036	470660.97	3819251.48	1.61E-09	6.78E-09	6.10E-10	9.00E-09	1.34E-09	4.98E-09	4.38E-10	6.76E-09	1.52E-10	8.73E-10	1.04E-10	1.13E-09	1.39E-10	4.57E-10	3.15E-11	6.27E-10
8037	470661.06	3819241.83	1.55E-09	6.53E-09	5.88E-10	8.67E-09	1.29E-09	4.80E-09	4.22E-10	6.51E-09	1.47E-10	8.40E-10	1.00E-10	1.09E-09	1.33E-10	4.40E-10	3.03E-11	6.04E-10
8038	470695.52	3819463.16	1.9E-09	7.97E-09	7.17E-10	1.06E-08	1.58E-09	5.85E-09	5.15E-10	7.95E-09	1.79E-10	1.03E-09	1.22E-10	1.33E-09	1.63E-10	5.37E-10	3.70E-11	7.37E-10
8039	470691.8	3819471.88	1.92E-09	8.04E-09	7.24E-10	1.07E-08	1.60E-09	5.91E-09	5.20E-10	8.03E-09	1.81E-10	1.04E-09	1.24E-10	1.34E-09	1.64E-10	5.42E-10	3.74E-11	7.44E-10
8040	470688.09	3819480.61	1.93E-09	8.11E-09	7.31E-10	1.08E-08	1.61E-09	5.96E-09	5.24E-10	8.10E-09	1.82E-10	1.04E-09	1.25E-10	1.35E-09	1.66E-10	5.47E-10	3.77E-11	7.50E-10
8041	470684.37	3819489.34	1.95E-09	8.17E-09	7.36E-10	1.09E-08	1.62E-09	6.01E-09	5.28E-10	8.16E-09	1.84E-10	1.05E-09	1.26E-10	1.36E-09	1.67E-10	5.51E-10	3.80E-11	7.56E-10
8042	470680.65	3819498.06	1.96E-09	8.22E-09	7.41E-10	1.09E-08	1.63E-09	6.04E-09	5.32E-10	8.21E-09	1.85E-10	1.06E-09	1.26E-10	1.37E-09	1.68E-10	5.54E-10	3.82E-11	7.61E-10
8043	470676.94	3819506.79	1.97E-09	8.26E-09	7.44E-10	1.10E-08	1.64E-09	6.07E-09	5.34E-10	8.25E-09	1.86E-10	1.06E-09	1.27E-10	1.38E-09	1.69E-10	5.57E-10	3.84E-11	7.64E-10
8044	470673.22	3819515.52	1.98E-09	8.29E-09	7.47E-10	1.10E-08	1.65E-09	6.09E-09	5.36E-10	8.28E-09	1.87E-10	1.07E-09	1.27E-10	1.38E-09	1.70E-10	5.59E-10	3.85E-11	7.67E-10
8045	470669.5	3819524.24	1.98E-09	8.32E-09	7.49E-10	1.10E-08	1.65E-09	6.11E-09	5.38E-10	8.30E-09	1.87E-10	1.07E-09	1.28E-10	1.39E-09	1.70E-10	5.61E-10	3.86E-11	7.69E-10
8046	470665.79	3819532.97	1.98E-09	8.33E-09	7.50E-10	1.11E-08	1.65E-09	6.12E-09	5.38E-10	8.31E-09	1.87E-10	1.07E-09	1.28E-10	1.39E-09	1.70E-10	5.61E-10	3.87E-11	7.70E-10

8047	470662.07	3819541.7	1.98E-09	8.33E-09	7.50E-10	1.11E-08	1.65E-09	6.12E-09	5.39E-10	8.31E-09	1.87E-10	1.07E-09	1.28E-10	1.39E-09	1.70E-10	5.62E-10	3.87E-11	7.71E-10
8048	470658.35	3819550.42	1.98E-09	8.33E-09	7.50E-10	1.11E-08	1.65E-09	6.12E-09	5.38E-10	8.31E-09	1.87E-10	1.07E-09	1.28E-10	1.39E-09	1.70E-10	5.61E-10	3.87E-11	7.70E-10
8049	470654.64	3819559.15	1.98E-09	8.31E-09	7.49E-10	1.10E-08	1.65E-09	6.11E-09	5.37E-10	8.29E-09	1.87E-10	1.07E-09	1.28E-10	1.38E-09	1.70E-10	5.60E-10	3.86E-11	7.69E-10
8050	470650.92	3819567.88	1.97E-09	8.29E-09	7.47E-10	1.10E-08	1.64E-09	6.09E-09	5.36E-10	8.27E-09	1.86E-10	1.07E-09	1.27E-10	1.38E-09	1.69E-10	5.59E-10	3.85E-11	7.67E-10
8051	470555.26	3819758.17	1.66E-09	6.99E-09	6.29E-10	9.28E-09	1.39E-09	5.14E-09	4.52E-10	6.97E-09	1.57E-10	9.00E-10	1.07E-10	1.16E-09	1.43E-10	4.71E-10	3.25E-11	6.46E-10
8052	470546.45	3819761.69	1.69E-09	7.08E-09	6.38E-10	9.41E-09	1.40E-09	5.20E-09	4.58E-10	7.07E-09	1.59E-10	9.12E-10	1.09E-10	1.18E-09	1.45E-10	4.77E-10	3.29E-11	6.55E-10
8053	470537.64	3819765.21	1.71E-09	7.18E-09	6.46E-10	9.53E-09	1.42E-09	5.27E-09	4.64E-10	7.16E-09	1.61E-10	9.24E-10	1.10E-10	1.20E-09	1.47E-10	4.84E-10	3.33E-11	6.64E-10
8054	470528.84	3819768.73	1.73E-09	7.28E-09	6.55E-10	9.66E-09	1.44E-09	5.35E-09	4.70E-10	7.26E-09	1.64E-10	9.37E-10	1.12E-10	1.21E-09	1.49E-10	4.90E-10	3.38E-11	6.73E-10
8055	470520.03	3819772.25	1.76E-09	7.38E-09	6.65E-10	9.80E-09	1.46E-09	5.42E-09	4.77E-10	7.36E-09	1.66E-10	9.50E-10	1.13E-10	1.23E-09	1.51E-10	4.97E-10	3.43E-11	6.83E-10
8056	470511.22	3819775.77	1.78E-09	7.49E-09	6.74E-10	9.94E-09	1.48E-09	5.50E-09	4.84E-10	7.47E-09	1.68E-10	9.64E-10	1.15E-10	1.25E-09	1.53E-10	5.05E-10	3.48E-11	6.92E-10
8057	470502.41	3819779.29	1.81E-09	7.60E-09	6.84E-10	1.01E-08	1.51E-09	5.58E-09	4.91E-10	7.58E-09	1.71E-10	9.78E-10	1.17E-10	1.27E-09	1.55E-10	5.12E-10	3.53E-11	7.02E-10
8058	470493.6	3819782.81	1.84E-09	7.71E-09	6.94E-10	1.02E-08	1.53E-09	5.66E-09	4.98E-10	7.69E-09	1.73E-10	9.92E-10	1.18E-10	1.28E-09	1.58E-10	5.19E-10	3.58E-11	7.13E-10
8059	470484.8	3819786.33	1.86E-09	7.82E-09	7.04E-10	1.04E-08	1.55E-09	5.75E-09	5.06E-10	7.81E-09	1.76E-10	1.01E-09	1.20E-10	1.30E-09	1.60E-10	5.27E-10	3.63E-11	7.24E-10
8060	470475.99	3819789.85	1.89E-09	7.94E-09	7.15E-10	1.05E-08	1.58E-09	5.84E-09	5.13E-10	7.93E-09	1.79E-10	1.02E-09	1.22E-10	1.32E-09	1.62E-10	5.35E-10	3.69E-11	7.35E-10
8061	470467.18	3819793.37	1.92E-09	8.07E-09	7.27E-10	1.07E-08	1.60E-09	5.93E-09	5.21E-10	8.05E-09	1.81E-10	1.04E-09	1.24E-10	1.34E-09	1.65E-10	5.44E-10	3.75E-11	7.46E-10
8062	470458.37	3819796.89	1.95E-09	8.20E-09	7.38E-10	1.09E-08	1.63E-09	6.02E-09	5.30E-10	8.18E-09	1.84E-10	1.06E-09	1.26E-10	1.37E-09	1.68E-10	5.53E-10	3.81E-11	7.58E-10
8063	470449.56	3819800.41	1.98E-09	8.33E-09	7.50E-10	1.11E-08	1.65E-09	6.12E-09	5.39E-10	8.31E-09	1.87E-10	1.07E-09	1.28E-10	1.39E-09	1.70E-10	5.62E-10	3.87E-11	7.71E-10
8064	470440.76	3819803.92	2.02E-09	8.47E-09	7.63E-10	1.13E-08	1.68E-09	6.22E-09	5.48E-10	8.45E-09	1.90E-10	1.09E-09	1.30E-10	1.41E-09	1.73E-10	5.71E-10	3.94E-11	7.83E-10
8065	470431.95	3819807.44	2.05E-09	8.61E-09	7.76E-10	1.14E-08	1.71E-09	6.33E-09	5.57E-10	8.60E-09	1.94E-10	1.11E-09	1.32E-10	1.43E-09	1.76E-10	5.81E-10	4.00E-11	7.97E-10
8066	470423.14	3819810.96	2.09E-09	8.76E-09	7.89E-10	1.16E-08	1.74E-09	6.44E-09	5.66E-10	8.74E-09	1.97E-10	1.13E-09	1.35E-10	1.46E-09	1.79E-10	5.91E-10	4.07E-11	8.10E-10
8067	470414.33	3819814.48	2.12E-09	8.91E-09	8.03E-10	1.18E-08	1.77E-09	6.55E-09	5.76E-10	8.89E-09	2.00E-10	1.15E-09	1.37E-10	1.48E-09	1.82E-10	6.01E-10	4.14E-11	8.25E-10
8068	470405.52	3819818	2.16E-09	9.07E-09	8.17E-10	1.20E-08	1.80E-09	6.66E-09	5.86E-10	9.05E-09	2.04E-10	1.17E-09	1.39E-10	1.51E-09	1.85E-10	6.11E-10	4.21E-11	8.39E-10
8069	470396.72	3819821.52	2.2E-09	9.22E-09	8.30E-10	1.22E-08	1.83E-09	6.77E-09	5.96E-10	9.20E-09	2.07E-10	1.19E-09	1.42E-10	1.54E-09	1.88E-10	6.21E-10	4.28E-11	8.53E-10
8070	470387.91	3819825.04	2.23E-09	9.37E-09	8.44E-10	1.24E-08	1.86E-09	6.89E-09	6.06E-10	9.35E-09	2.11E-10	1.21E-09	1.44E-10	1.56E-09	1.92E-10	6.32E-10	4.35E-11	8.67E-10
8071	470379.1	3819828.56	2.27E-09	9.52E-09	8.57E-10	1.26E-08	1.89E-09	6.99E-09	6.15E-10	9.50E-09	2.14E-10	1.23E-09	1.46E-10	1.59E-09	1.95E-10	6.42E-10	4.42E-11	8.80E-10
8072	470370.29	3819832.08	2.3E-09	9.66E-09	8.70E-10	1.28E-08	1.92E-09	7.10E-09	6.24E-10	9.64E-09	2.17E-10	1.24E-09	1.48E-10	1.61E-09	1.97E-10	6.51E-10	4.49E-11	8.93E-10
8073	470361.48	3819835.6	2.33E-09	9.80E-09	8.82E-10	1.30E-08	1.94E-09	7.20E-09	6.33E-10	9.78E-09	2.20E-10	1.26E-09	1.51E-10	1.63E-09	2.00E-10	6.60E-10	4.55E-11	9.06E-10
8074	470352.68	3819839.12	2.37E-09	9.93E-09	8.95E-10	1.32E-08	1.97E-09	7.30E-09	6.42E-10	9.91E-09	2.23E-10	1.28E-09	1.53E-10	1.65E-09	2.03E-10	6.70E-10	4.62E-11	9.19E-10
8075	470343.87	3819842.64	2.4E-09	1.01E-08	9.07E-10	1.34E-08	2.00E-09	7.40E-09	6.51E-10	1.00E-08	2.26E-10	1.30E-09	1.55E-10	1.68E-09	2.06E-10	6.79E-10	4.68E-11	9.31E-10
8076	470335.06	3819846.15	2.43E-09	1.02E-08	9.18E-10	1.35E-08	2.02E-09	7.49E-09	6.59E-10	1.02E-08	2.29E-10	1.31E-09	1.57E-10	1.70E-09	2.08E-10	6.87E-10	4.74E-11	9.43E-10
8077	470326.25	3819849.67	2.46E-09	1.03E-08	9.29E-10	1.37E-08	2.05E-09	7.58E-09	6.67E-10	1.03E-08	2.32E-10	1.33E-09	1.58E-10	1.72E-09	2.11E-10	6.95E-10	4.79E-11	9.54E-10
8078	470317.44	3819853.19	2.48E-09	1.04E-08	9.39E-10	1.39E-08	2.07E-09	7.66E-09	6.74E-10	1.04E-08	2.35E-10	1.34E-09	1.60E-10	1.74E-09	2.13E-10	7.03E-10	4.85E-11	9.65E-10
8079	470308.64	3819856.71	2.51E-09	1.05E-08	9.49E-10	1.40E-08	2.09E-09	7.74E-09	6.81E-10	1.05E-08	2.37E-10	1.36E-09	1.62E-10	1.76E-09	2.15E-10	7.10E-10	4.90E-11	9.75E-10
8080	470299.83	3819860.23	2.53E-09	1.06E-08	9.58E-10	1.41E-08	2.11E-09	7.81E-09	6.87E-10	1.06E-08	2.39E-10	1.37E-09	1.63E-10	1.77E-09	2.17E-10	7.17E-10	4.94E-11	9.84E-10
8081	470699.23	3819454.43	1.88E-09	7.88E-09	7.09E-10	1.05E-08	1.56E-09	5.79E-09	5.09E-10	7.86E-09	1.77E-10	1.01E-09	1.21E-10	1.31E-09	1.61E-10	5.31E-10	3.66E-11	7.29E-10
8082	470699.32	3819444.78	1.88E-09	7.90E-09	7.11E-10	1.05E-08	1.57E-09	5.80E-09	5.11E-10	7.88E-09	1.78E-10	1.02E-09	1.21E-10	1.32E-09	1.61E-10	5.32E-10	3.67E-11	7.30E-10
8083	470699.81	3819386.89	1.85E-09	7.77E-09	7.00E-10	1.03E-08	1.54E-09	5.71E-09	5.02E-10	7.75E-09	1.75E-10	1.00E-09	1.19E-10	1.29E-09	1.59E-10	5.24E-10	3.61E-11	7.18E-10
8084	470699.9	3819377.25	1.83E-09	7.70E-09	6.94E-10	1.02E-08	1.53E-09	5.66E-09	4.98E-10	7.68E-09	1.73E-10	9.91E-10	1.18E-10	1.28E-09	1.57E-10	5.19E-10	3.58E-11	7.12E-10
8085	470699.98	3819367.6	1.82E-09	7.62E-09	6.86E-10	1.01E-08	1.51E-09	5.60E-09	4.93E-10	7.61E-09	1.71E-10	9.81E-10	1.17E-10	1.27E-09	1.56E-10	5.14E-10	3.54E-11	7.05E-10
8086	470700.06	3819357.95	1.79E-09	7.53E-09	6.78E-10	1.00E-08	1.49E-09	5.53E-09	4.87E-10	7.51E-09	1.69E-10	9.69E-10	1.16E-10	1.25E-09	1.54E-10	5.08E-10	3.50E-11	6.97E-10
8087	470700.14	3819348.3	1.77E-09	7.43E-09	6.69E-10	9.86E-09	1.47E-09	5.46E-09	4.80E-10	7.41E-09	1.67E-10	9.56E-10	1.14E-10	1.24E-09	1.52E-10	5.01E-10	3.45E-11	6.87E-10
8088	470700.23	3819338.65	1.74E-09	7.31E-09	6.58E-10	9.71E-09	1.45E-09	5.37E-09	4.73E-10	7.29E-09	1.64E-10	9.41E-10	1.12E-10	1.22E-09	1.49E-10	4.93E-10	3.40E-11	6.76E-10
8089	470700.31	3819329	1.71E-09	7.18E-09	6.47E-10	9.54E-09	1.42E-09	5.28E-09	4.64E-10	7.17E-09	1.62E-10	9.25E-10	1.10E-10	1.20E-09	1.47E-10	4.84E-10	3.34E-11	6.64E-10
8090	470700.39	3819319.36	1.68E-09	7.05E-09	6.34E-10	9.36E-09	1.40E-09	5.18E-09	4.55E-10	7.03E-09	1.58E-10	9.07E-10	1.08E-10	1.17E-09	1.44E-10	4.75E-10	3.27E-11	6.52E-10
8091	470700.48	3819309.71	1.64E-09	6.90E-09	6.21E-10	9.16E-09	1.37E-09	5.07E-09	4.46E-10	6.88E-09	1.55E-10	8.88E-10	1.06E-10	1.15E-09	1.41E-10	4.65E-10	3.20E-11	6.38E-10
8092	470700.56	3819300.06	1.6E-09	6.74E-09	6.07E-10	8.95E-09	1.34E-09	4.95E-09	4.35E-10	6.72E-09	1.51E-10	8.67E-10	1.03E-10	1.12E-09	1.38E-10	4.54E-10	3.13E-11	6.23E-10
8093	470700.64	3819290.41	1.56E-09	6.57E-09	5.92E-10	8.73E-09	1.30E-09	4.83E-09	4.25E-10	6.56E-09	1.48E-10	8.46E-10	1.01E-10	1.09E-09	1.34E-10	4.43E-10	3.05E-11	6.08E-10
8094	470700.72	3819280.76	1.52E-09	6.39E-09	5.76E-10	8.49E-09	1.27E-09	4.70E-09	4.13E-10	6.38E-09	1.44E-10	8.23E-10	9.82E-11	1.07E-09	1.31E-10	4.31E-10	2.97E-11	5.91E-10
8095	470700.81	3819271.12	1.48E-09	6.21E-09	5.60E-10	8.25E-09	1.23E-09	4.57E-09	4.02E-10	6.20E-09	1.40E-10	8.00E-10	9.54E-11	1.03E-09	1.27E-10	4.19E-10	2.89E-11	5.75E-10
8096	470700.89	3819261.47	1.44E-09	6.03E-09	5.43E-10	8.00E-09	1.20E-09	4.43E-09	3.90E-10	6.01E-09	1.36E-10	7.76E-10	9.26E-11	1.00E-09	1.23E-10	4.06E-10	2.80E-11	5.57E-10

8097	470700.97	3819251.82	1.39E-09	5.83E-09	5.25E-10	7.75E-09	1.16E-09	4.29E-09	3.77E-10	5.82E-09	1.31E-10	7.51E-10	8.96E-11	9.72E-10	1.19E-10	3.93E-10	2.71E-11	5.40E-10
8098	470701.05	3819242.17	1.34E-09	5.64E-09	5.08E-10	7.49E-09	1.12E-09	4.14E-09	3.64E-10	5.63E-09	1.27E-10	7.26E-10	8.66E-11	9.39E-10	1.15E-10	3.80E-10	2.62E-11	5.21E-10
8099	470728.01	3819481.12	1.66E-09	6.96E-09	6.27E-10	9.25E-09	1.38E-09	5.11E-09	4.50E-10	6.95E-09	1.57E-10	8.96E-10	1.07E-10	1.16E-09	1.42E-10	4.69E-10	3.23E-11	6.44E-10
8100	470724.27	3819489.91	1.67E-09	7.02E-09	6.32E-10	9.32E-09	1.39E-09	5.16E-09	4.54E-10	7.00E-09	1.58E-10	9.03E-10	1.08E-10	1.17E-09	1.43E-10	4.73E-10	3.26E-11	6.49E-10
8101	470720.53	3819498.69	1.68E-09	7.07E-09	6.36E-10	9.39E-09	1.40E-09	5.19E-09	4.57E-10	7.05E-09	1.59E-10	9.10E-10	1.09E-10	1.18E-09	1.44E-10	4.76E-10	3.28E-11	6.54E-10
8102	470716.79	3819507.47	1.69E-09	7.11E-09	6.40E-10	9.44E-09	1.41E-09	5.22E-09	4.60E-10	7.09E-09	1.60E-10	9.15E-10	1.09E-10	1.18E-09	1.45E-10	4.79E-10	3.30E-11	6.58E-10
8103	470713.05	3819516.25	1.7E-09	7.14E-09	6.43E-10	9.49E-09	1.42E-09	5.25E-09	4.62E-10	7.13E-09	1.61E-10	9.20E-10	1.10E-10	1.19E-09	1.46E-10	4.82E-10	3.32E-11	6.61E-10
8104	470709.31	3819525.04	1.71E-09	7.17E-09	6.46E-10	9.53E-09	1.42E-09	5.27E-09	4.64E-10	7.16E-09	1.61E-10	9.23E-10	1.10E-10	1.19E-09	1.47E-10	4.83E-10	3.33E-11	6.63E-10
8105	470705.57	3819533.82	1.71E-09	7.19E-09	6.48E-10	9.55E-09	1.43E-09	5.28E-09	4.65E-10	7.18E-09	1.62E-10	9.26E-10	1.10E-10	1.20E-09	1.47E-10	4.85E-10	3.34E-11	6.65E-10
8106	470701.83	3819542.6	1.72E-09	7.21E-09	6.49E-10	9.57E-09	1.43E-09	5.29E-09	4.66E-10	7.19E-09	1.62E-10	9.28E-10	1.11E-10	1.20E-09	1.47E-10	4.86E-10	3.35E-11	6.66E-10
8107	470698.09	3819551.38	1.72E-09	7.21E-09	6.49E-10	9.58E-09	1.43E-09	5.30E-09	4.66E-10	7.20E-09	1.62E-10	9.28E-10	1.11E-10	1.20E-09	1.47E-10	4.86E-10	3.35E-11	6.67E-10
8108	470694.35	3819560.17	1.72E-09	7.21E-09	6.49E-10	9.58E-09	1.43E-09	5.30E-09	4.66E-10	7.20E-09	1.62E-10	9.28E-10	1.11E-10	1.20E-09	1.47E-10	4.86E-10	3.35E-11	6.67E-10
8109	470690.61	3819568.95	1.72E-09	7.20E-09	6.49E-10	9.57E-09	1.43E-09	5.29E-09	4.66E-10	7.19E-09	1.62E-10	9.27E-10	1.11E-10	1.20E-09	1.47E-10	4.86E-10	3.35E-11	6.66E-10
8110	470686.87	3819577.73	1.71E-09	7.19E-09	6.48E-10	9.55E-09	1.43E-09	5.28E-09	4.65E-10	7.18E-09	1.62E-10	9.26E-10	1.10E-10	1.20E-09	1.47E-10	4.85E-10	3.34E-11	6.65E-10
8111	470683.13	3819586.52	1.71E-09	7.17E-09	6.46E-10	9.53E-09	1.42E-09	5.27E-09	4.64E-10	7.16E-09	1.61E-10	9.23E-10	1.10E-10	1.19E-09	1.47E-10	4.83E-10	3.33E-11	6.63E-10
8112	470679.39	3819595.3	1.7E-09	7.15E-09	6.44E-10	9.49E-09	1.42E-09	5.25E-09	4.62E-10	7.13E-09	1.61E-10	9.20E-10	1.10E-10	1.19E-09	1.46E-10	4.82E-10	3.32E-11	6.61E-10
8113	470675.65	3819604.08	1.7E-09	7.12E-09	6.41E-10	9.45E-09	1.41E-09	5.23E-09	4.60E-10	7.10E-09	1.60E-10	9.16E-10	1.09E-10	1.19E-09	1.46E-10	4.80E-10	3.31E-11	6.58E-10
8114	470529.92	3819808.07	1.56E-09	6.55E-09	5.90E-10	8.70E-09	1.30E-09	4.82E-09	4.24E-10	6.54E-09	1.47E-10	8.44E-10	1.01E-10	1.09E-09	1.34E-10	4.42E-10	3.04E-11	6.06E-10
8115	470521.06	3819811.61	1.58E-09	6.64E-09	5.98E-10	8.82E-09	1.32E-09	4.88E-09	4.29E-10	6.63E-09	1.49E-10	8.55E-10	1.02E-10	1.11E-09	1.36E-10	4.48E-10	3.09E-11	6.14E-10
8116	470512.19	3819815.16	1.6E-09	6.73E-09	6.06E-10	8.94E-09	1.34E-09	4.95E-09	4.35E-10	6.72E-09	1.51E-10	8.67E-10	1.03E-10	1.12E-09	1.38E-10	4.54E-10	3.13E-11	6.23E-10
8117	470503.33	3819818.7	1.63E-09	6.83E-09	6.15E-10	9.07E-09	1.35E-09	5.02E-09	4.41E-10	6.81E-09	1.54E-10	8.79E-10	1.05E-10	1.14E-09	1.40E-10	4.60E-10	3.17E-11	6.32E-10
8118	470494.46	3819822.24	1.65E-09	6.93E-09	6.24E-10	9.20E-09	1.37E-09	5.09E-09	4.48E-10	6.91E-09	1.56E-10	8.92E-10	1.06E-10	1.15E-09	1.42E-10	4.67E-10	3.22E-11	6.41E-10
8119	470485.6	3819825.78	1.68E-09	7.03E-09	6.33E-10	9.34E-09	1.40E-09	5.17E-09	4.55E-10	7.02E-09	1.58E-10	9.06E-10	1.08E-10	1.17E-09	1.44E-10	4.74E-10	3.27E-11	6.51E-10
8120	470476.73	3819829.32	1.7E-09	7.14E-09	6.43E-10	9.49E-09	1.42E-09	5.25E-09	4.62E-10	7.13E-09	1.61E-10	9.20E-10	1.10E-10	1.19E-09	1.46E-10	4.81E-10	3.32E-11	6.61E-10
8121	470467.87	3819832.86	1.73E-09	7.26E-09	6.53E-10	9.64E-09	1.44E-09	5.33E-09	4.69E-10	7.24E-09	1.63E-10	9.34E-10	1.11E-10	1.21E-09	1.48E-10	4.89E-10	3.37E-11	6.71E-10
8122	470459.01	3819836.41	1.76E-09	7.37E-09	6.64E-10	9.79E-09	1.46E-09	5.42E-09	4.76E-10	7.35E-09	1.66E-10	9.49E-10	1.13E-10	1.23E-09	1.51E-10	4.97E-10	3.42E-11	6.82E-10
8123	470450.14	3819839.95	1.78E-09	7.49E-09	6.75E-10	9.95E-09	1.49E-09	5.50E-09	4.84E-10	7.47E-09	1.68E-10	9.64E-10	1.15E-10	1.25E-09	1.53E-10	5.05E-10	3.48E-11	6.93E-10
8124	470441.28	3819843.49	1.81E-09	7.61E-09	6.86E-10	1.01E-08	1.51E-09	5.59E-09	4.92E-10	7.60E-09	1.71E-10	9.80E-10	1.17E-10	1.27E-09	1.56E-10	5.13E-10	3.54E-11	7.04E-10
8125	470432.41	3819847.03	1.84E-09	7.74E-09	6.97E-10	1.03E-08	1.54E-09	5.69E-09	5.00E-10	7.72E-09	1.74E-10	9.96E-10	1.19E-10	1.29E-09	1.58E-10	5.22E-10	3.60E-11	7.16E-10
8126	470423.55	3819850.57	1.87E-09	7.87E-09	7.09E-10	1.05E-08	1.56E-09	5.78E-09	5.09E-10	7.85E-09	1.77E-10	1.01E-09	1.21E-10	1.31E-09	1.61E-10	5.30E-10	3.66E-11	7.28E-10
8127	470414.68	3819854.12	1.9E-09	8.00E-09	7.20E-10	1.06E-08	1.59E-09	5.88E-09	5.17E-10	7.98E-09	1.80E-10	1.03E-09	1.23E-10	1.33E-09	1.64E-10	5.39E-10	3.72E-11	7.40E-10
8128	470405.82	3819857.66	1.93E-09	8.13E-09	7.32E-10	1.08E-08	1.61E-09	5.97E-09	5.25E-10	8.11E-09	1.83E-10	1.05E-09	1.25E-10	1.35E-09	1.66E-10	5.48E-10	3.78E-11	7.52E-10
8129	470396.95	3819861.2	1.96E-09	8.25E-09	7.43E-10	1.10E-08	1.64E-09	6.06E-09	5.33E-10	8.23E-09	1.85E-10	1.06E-09	1.27E-10	1.37E-09	1.69E-10	5.56E-10	3.83E-11	7.63E-10
8130	470388.09	3819864.74	1.99E-09	8.37E-09	7.54E-10	1.11E-08	1.66E-09	6.15E-09	5.41E-10	8.35E-09	1.88E-10	1.08E-09	1.29E-10	1.39E-09	1.71E-10	5.64E-10	3.89E-11	7.74E-10
8131	470379.22	3819868.28	2.02E-09	8.49E-09	7.64E-10	1.13E-08	1.68E-09	6.24E-09	5.49E-10	8.47E-09	1.91E-10	1.09E-09	1.30E-10	1.41E-09	1.74E-10	5.72E-10	3.94E-11	7.85E-10
8132	470370.36	3819871.83	2.05E-09	8.61E-09	7.75E-10	1.14E-08	1.71E-09	6.32E-09	5.56E-10	8.59E-09	1.94E-10	1.11E-09	1.32E-10	1.43E-09	1.76E-10	5.80E-10	4.00E-11	7.96E-10
8133	470361.49	3819875.37	2.08E-09	8.72E-09	7.85E-10	1.16E-08	1.73E-09	6.41E-09	5.64E-10	8.70E-09	1.96E-10	1.12E-09	1.34E-10	1.45E-09	1.78E-10	5.88E-10	4.05E-11	8.07E-10
8134	470352.63	3819878.91	2.1E-09	8.83E-09	7.95E-10	1.17E-08	1.75E-09	6.49E-09	5.71E-10	8.81E-09	1.99E-10	1.14E-09	1.36E-10	1.47E-09	1.81E-10	5.95E-10	4.10E-11	8.17E-10
8135	470343.76	3819882.45	2.13E-09	8.94E-09	8.05E-10	1.19E-08	1.77E-09	6.57E-09	5.78E-10	8.92E-09	2.01E-10	1.15E-09	1.37E-10	1.49E-09	1.83E-10	6.02E-10	4.15E-11	8.27E-10
8136	470334.9	3819885.99	2.15E-09	9.04E-09	8.14E-10	1.20E-08	1.79E-09	6.64E-09	5.84E-10	9.02E-09	2.03E-10	1.16E-09	1.39E-10	1.51E-09	1.85E-10	6.09E-10	4.20E-11	8.36E-10
8137	470326.03	3819889.53	2.17E-09	9.13E-09	8.22E-10	1.21E-08	1.81E-09	6.71E-09	5.90E-10	9.11E-09	2.05E-10	1.18E-09	1.40E-10	1.52E-09	1.87E-10	6.16E-10	4.24E-11	8.45E-10
8138	470317.17	3819893.08	2.19E-09	9.22E-09	8.30E-10	1.22E-08	1.83E-09	6.77E-09	5.96E-10	9.20E-09	2.07E-10	1.19E-09	1.42E-10	1.54E-09	1.88E-10	6.21E-10	4.28E-11	8.52E-10
8139	470308.31	3819896.62	2.21E-09	9.29E-09	8.37E-10	1.23E-08	1.84E-09	6.83E-09	6.01E-10	9.27E-09	2.09E-10	1.20E-09	1.43E-10	1.55E-09	1.90E-10	6.27E-10	4.32E-11	8.60E-10
8140	470299.44	3819900.16	2.23E-09	9.37E-09	8.44E-10	1.24E-08	1.86E-09	6.88E-09	6.06E-10	9.35E-09	2.11E-10	1.21E-09	1.44E-10	1.56E-09	1.91E-10	6.31E-10	4.35E-11	8.66E-10
8141	470739.4	3819435.48	1.61E-09	6.76E-09	6.08E-10	8.97E-09	1.34E-09	4.96E-09	4.37E-10	6.74E-09	1.52E-10	8.70E-10	1.04E-10	1.13E-09	1.38E-10	4.55E-10	3.14E-11	6.25E-10
8142	470739.48	3819425.83	1.61E-09	6.75E-09	6.08E-10	8.96E-09	1.34E-09	4.96E-09	4.36E-10	6.73E-09	1.52E-10	8.69E-10	1.04E-10	1.12E-09	1.38E-10	4.55E-10	3.14E-11	6.24E-10
8143	470739.56	3819416.18	1.6E-09	6.73E-09	6.06E-10	8.94E-09	1.33E-09	4.95E-09	4.35E-10	6.72E-09	1.51E-10	8.66E-10	1.03E-10	1.12E-09	1.38E-10	4.54E-10	3.13E-11	6.23E-10
8144	470739.65	3819406.53	1.6E-09	6.70E-09	6.04E-10	8.90E-09	1.33E-09	4.93E-09	4.33E-10	6.69E-09	1.51E-10	8.63E-10	1.03E-10	1.12E-09	1.37E-10	4.52E-10	3.11E-11	6.20E-10
8145	470739.73	3819396.88	1.59E-09	6.67E-09	6.00E-10	8.85E-09	1.32E-09	4.90E-09	4.31E-10	6.65E-09	1.50E-10	8.58E-10	1.02E-10	1.11E-09	1.36E-10	4.49E-10	3.10E-11	6.17E-10
8146	470739.81	3819387.24	1.58E-09	6.62E-09	5.96E-10	8.79E-09	1.31E-09	4.86E-09	4.28E-10	6.61E-09	1.49E-10	8.52E-10	1.02E-10	1.10E-09	1.35E-10	4.46E-10	3.08E-11	6.12E-10

8147	470739.89	3819377.59	1.56E-09	6.56E-09	5.91E-10	8.72E-09	1.30E-09	4.82E-09	4.24E-10	6.55E-09	1.48E-10	8.45E-10	1.01E-10	1.09E-09	1.34E-10	4.42E-10	3.05E-11	6.07E-10
8148	470739.98	3819367.94	1.55E-09	6.50E-09	5.85E-10	8.63E-09	1.29E-09	4.77E-09	4.20E-10	6.48E-09	1.46E-10	8.36E-10	9.98E-11	1.08E-09	1.33E-10	4.38E-10	3.02E-11	6.01E-10
8149	470740.06	3819358.29	1.53E-09	6.42E-09	5.78E-10	8.53E-09	1.27E-09	4.72E-09	4.15E-10	6.41E-09	1.44E-10	8.27E-10	9.86E-11	1.07E-09	1.31E-10	4.33E-10	2.98E-11	5.94E-10
8150	470740.14	3819348.64	1.51E-09	6.34E-09	5.71E-10	8.42E-09	1.26E-09	4.66E-09	4.10E-10	6.32E-09	1.43E-10	8.16E-10	9.73E-11	1.06E-09	1.30E-10	4.27E-10	2.94E-11	5.86E-10
8151	470740.23	3819339	1.49E-09	6.24E-09	5.62E-10	8.29E-09	1.24E-09	4.59E-09	4.04E-10	6.23E-09	1.40E-10	8.04E-10	9.59E-11	1.04E-09	1.28E-10	4.21E-10	2.90E-11	5.78E-10
8152	470740.31	3819329.35	1.46E-09	6.14E-09	5.53E-10	8.16E-09	1.22E-09	4.51E-09	3.97E-10	6.13E-09	1.38E-10	7.91E-10	9.43E-11	1.02E-09	1.26E-10	4.14E-10	2.85E-11	5.68E-10
8153	470740.39	3819319.7	1.44E-09	6.03E-09	5.43E-10	8.01E-09	1.20E-09	4.43E-09	3.90E-10	6.02E-09	1.36E-10	7.77E-10	9.27E-11	1.00E-09	1.23E-10	4.07E-10	2.80E-11	5.58E-10
8154	470740.47	3819310.05	1.41E-09	5.91E-09	5.33E-10	7.86E-09	1.17E-09	4.35E-09	3.82E-10	5.90E-09	1.33E-10	7.61E-10	9.08E-11	9.85E-10	1.21E-10	3.99E-10	2.75E-11	5.47E-10
8155	470740.56	3819300.4	1.38E-09	5.79E-09	5.21E-10	7.69E-09	1.15E-09	4.25E-09	3.74E-10	5.78E-09	1.30E-10	7.45E-10	8.89E-11	9.64E-10	1.18E-10	3.90E-10	2.69E-11	5.35E-10
8156	470740.64	3819290.75	1.35E-09	5.66E-09	5.09E-10	7.51E-09	1.12E-09	4.16E-09	3.66E-10	5.64E-09	1.27E-10	7.28E-10	8.69E-11	9.42E-10	1.16E-10	3.81E-10	2.63E-11	5.23E-10
8157	470740.72	3819281.11	1.31E-09	5.52E-09	4.97E-10	7.33E-09	1.09E-09	4.06E-09	3.57E-10	5.51E-09	1.24E-10	7.10E-10	8.48E-11	9.19E-10	1.13E-10	3.72E-10	2.56E-11	5.10E-10
8158	470740.8	3819271.46	1.28E-09	5.38E-09	4.84E-10	7.14E-09	1.07E-09	3.95E-09	3.47E-10	5.36E-09	1.21E-10	6.92E-10	8.26E-11	8.95E-10	1.10E-10	3.62E-10	2.50E-11	4.97E-10
8159	470740.89	3819261.81	1.24E-09	5.23E-09	4.71E-10	6.94E-09	1.04E-09	3.84E-09	3.38E-10	5.21E-09	1.18E-10	6.73E-10	8.03E-11	8.71E-10	1.07E-10	3.52E-10	2.43E-11	4.83E-10
8160	470740.97	3819252.16	1.21E-09	5.07E-09	4.57E-10	6.74E-09	1.01E-09	3.73E-09	3.28E-10	5.06E-09	1.14E-10	6.53E-10	7.79E-11	8.45E-10	1.04E-10	3.42E-10	2.36E-11	4.69E-10
8161	470741.05	3819242.51	1.17E-09	4.92E-09	4.43E-10	6.53E-09	9.75E-10	3.61E-09	3.18E-10	4.91E-09	1.11E-10	6.33E-10	7.55E-11	8.19E-10	1.01E-10	3.31E-10	2.28E-11	4.55E-10
8162	470775.47	3819463.95	1.41E-09	5.91E-09	5.32E-10	7.84E-09	1.17E-09	4.34E-09	3.82E-10	5.89E-09	1.33E-10	7.60E-10	9.07E-11	9.84E-10	1.21E-10	3.98E-10	2.74E-11	5.46E-10
8163	470771.71	3819472.78	1.42E-09	5.97E-09	5.38E-10	7.93E-09	1.18E-09	4.39E-09	3.86E-10	5.96E-09	1.34E-10	7.68E-10	9.17E-11	9.94E-10	1.22E-10	4.02E-10	2.77E-11	5.52E-10
8164	470752.91	3819516.93	1.48E-09	6.21E-09	5.59E-10	8.24E-09	1.23E-09	4.56E-09	4.01E-10	6.19E-09	1.40E-10	7.99E-10	9.53E-11	1.03E-09	1.27E-10	4.18E-10	2.88E-11	5.74E-10
8165	470749.15	3819525.76	1.49E-09	6.24E-09	5.62E-10	8.28E-09	1.24E-09	4.58E-09	4.03E-10	6.22E-09	1.40E-10	8.03E-10	9.58E-11	1.04E-09	1.27E-10	4.20E-10	2.90E-11	5.77E-10
8166	470745.39	3819534.59	1.49E-09	6.26E-09	5.64E-10	8.32E-09	1.24E-09	4.60E-09	4.05E-10	6.25E-09	1.41E-10	8.06E-10	9.62E-11	1.04E-09	1.28E-10	4.22E-10	2.91E-11	5.79E-10
8167	470741.62	3819543.42	1.5E-09	6.28E-09	5.66E-10	8.34E-09	1.25E-09	4.61E-09	4.06E-10	6.27E-09	1.41E-10	8.08E-10	9.65E-11	1.05E-09	1.28E-10	4.23E-10	2.92E-11	5.81E-10
8168	470737.86	3819552.25	1.5E-09	6.29E-09	5.67E-10	8.36E-09	1.25E-09	4.62E-09	4.07E-10	6.28E-09	1.42E-10	8.10E-10	9.67E-11	1.05E-09	1.29E-10	4.24E-10	2.92E-11	5.82E-10
8169	470734.1	3819561.08	1.5E-09	6.30E-09	5.67E-10	8.37E-09	1.25E-09	4.63E-09	4.07E-10	6.29E-09	1.42E-10	8.11E-10	9.68E-11	1.05E-09	1.29E-10	4.25E-10	2.93E-11	5.83E-10
8170	470730.34	3819569.91	1.5E-09	6.30E-09	5.68E-10	8.37E-09	1.25E-09	4.63E-09	4.07E-10	6.29E-09	1.42E-10	8.11E-10	9.68E-11	1.05E-09	1.29E-10	4.25E-10	2.93E-11	5.83E-10
8171	470726.58	3819578.74	1.5E-09	6.30E-09	5.67E-10	8.37E-09	1.25E-09	4.63E-09	4.07E-10	6.29E-09	1.42E-10	8.11E-10	9.68E-11	1.05E-09	1.29E-10	4.25E-10	2.93E-11	5.83E-10
8172	470722.82	3819587.57	1.5E-09	6.29E-09	5.67E-10	8.36E-09	1.25E-09	4.62E-09	4.07E-10	6.28E-09	1.42E-10	8.10E-10	9.67E-11	1.05E-09	1.29E-10	4.24E-10	2.92E-11	5.82E-10
8173	470719.06	3819596.41	1.5E-09	6.28E-09	5.66E-10	8.34E-09	1.25E-09	4.62E-09	4.06E-10	6.27E-09	1.41E-10	8.09E-10	9.65E-11	1.05E-09	1.28E-10	4.23E-10	2.92E-11	5.81E-10
8174	470715.3	3819605.24	1.49E-09	6.26E-09	5.64E-10	8.32E-09	1.24E-09	4.60E-09	4.05E-10	6.25E-09	1.41E-10	8.06E-10	9.62E-11	1.04E-09	1.28E-10	4.22E-10	2.91E-11	5.79E-10
8175	470711.54	3819614.07	1.49E-09	6.24E-09	5.62E-10	8.29E-09	1.24E-09	4.59E-09	4.04E-10	6.23E-09	1.40E-10	8.04E-10	9.59E-11	1.04E-09	1.28E-10	4.21E-10	2.90E-11	5.78E-10
8176	470707.78	3819622.9	1.48E-09	6.22E-09	5.60E-10	8.26E-09	1.23E-09	4.57E-09	4.02E-10	6.21E-09	1.40E-10	8.01E-10	9.55E-11	1.04E-09	1.27E-10	4.19E-10	2.89E-11	5.75E-10
8177	470704.02	3819631.73	1.47E-09	6.19E-09	5.58E-10	8.22E-09	1.23E-09	4.55E-09	4.00E-10	6.18E-09	1.39E-10	7.97E-10	9.51E-11	1.03E-09	1.27E-10	4.17E-10	2.88E-11	5.73E-10
8178	470504.02	3819858.19	1.47E-09	6.19E-09	5.58E-10	8.22E-09	1.23E-09	4.55E-09	4.00E-10	6.18E-09	1.39E-10	7.97E-10	9.51E-11	1.03E-09	1.27E-10	4.17E-10	2.88E-11	5.73E-10
8179	470495.11	3819861.75	1.5E-09	6.28E-09	5.66E-10	8.34E-09	1.25E-09	4.62E-09	4.06E-10	6.27E-09	1.41E-10	8.09E-10	9.65E-11	1.05E-09	1.28E-10	4.23E-10	2.92E-11	5.81E-10
8180	470486.2	3819865.32	1.52E-09	6.38E-09	5.74E-10	8.47E-09	1.26E-09	4.69E-09	4.12E-10	6.36E-09	1.43E-10	8.21E-10	9.80E-11	1.06E-09	1.30E-10	4.30E-10	2.96E-11	5.90E-10
8181	470477.29	3819868.88	1.54E-09	6.48E-09	5.83E-10	8.60E-09	1.28E-09	4.76E-09	4.19E-10	6.46E-09	1.46E-10	8.34E-10	9.95E-11	1.08E-09	1.32E-10	4.36E-10	3.01E-11	5.99E-10
8182	470468.37	3819872.44	1.57E-09	6.58E-09	5.92E-10	8.74E-09	1.30E-09	4.83E-09	4.25E-10	6.56E-09	1.48E-10	8.47E-10	1.01E-10	1.10E-09	1.34E-10	4.43E-10	3.06E-11	6.08E-10
8183	470459.46	3819876	1.59E-09	6.68E-09	6.02E-10	8.87E-09	1.33E-09	4.91E-09	4.32E-10	6.67E-09	1.50E-10	8.60E-10	1.03E-10	1.11E-09	1.37E-10	4.50E-10	3.10E-11	6.18E-10
8184	470450.55	3819879.56	1.62E-09	6.79E-09	6.11E-10	9.01E-09	1.35E-09	4.99E-09	4.39E-10	6.77E-09	1.53E-10	8.74E-10	1.04E-10	1.13E-09	1.39E-10	4.57E-10	3.15E-11	6.28E-10
8185	470441.63	3819883.12	1.64E-09	6.89E-09	6.21E-10	9.16E-09	1.37E-09	5.07E-09	4.46E-10	6.88E-09	1.55E-10	8.87E-10	1.06E-10	1.15E-09	1.41E-10	4.65E-10	3.20E-11	6.38E-10
8186	470432.72	3819886.68	1.67E-09	7.00E-09	6.31E-10	9.30E-09	1.39E-09	5.14E-09	4.53E-10	6.99E-09	1.57E-10	9.01E-10	1.08E-10	1.17E-09	1.43E-10	4.72E-10	3.25E-11	6.48E-10
8187	470423.81	3819890.24	1.69E-09	7.11E-09	6.40E-10	9.44E-09	1.41E-09	5.22E-09	4.60E-10	7.09E-09	1.60E-10	9.15E-10	1.09E-10	1.18E-09	1.45E-10	4.79E-10	3.30E-11	6.58E-10
8188	470414.9	3819893.8	1.72E-09	7.22E-09	6.50E-10	9.59E-09	1.43E-09	5.30E-09	4.67E-10	7.20E-09	1.62E-10	9.29E-10	1.11E-10	1.20E-09	1.48E-10	4.87E-10	3.35E-11	6.68E-10
8189	470405.98	3819897.37	1.74E-09	7.32E-09	6.60E-10	9.73E-09	1.45E-09	5.38E-09	4.73E-10	7.31E-09	1.65E-10	9.43E-10	1.13E-10	1.22E-09	1.50E-10	4.94E-10	3.40E-11	6.77E-10
8190	470397.07	3819900.93	1.77E-09	7.43E-09	6.69E-10	9.87E-09	1.47E-09	5.46E-09	4.80E-10	7.41E-09	1.67E-10	9.56E-10	1.14E-10	1.24E-09	1.52E-10	5.01E-10	3.45E-11	6.87E-10
8191	470388.16	3819904.49	1.79E-09	7.53E-09	6.78E-10	1.00E-08	1.49E-09	5.53E-09	4.87E-10	7.52E-09	1.69E-10	9.70E-10	1.16E-10	1.25E-09	1.54E-10	5.08E-10	3.50E-11	6.97E-10
8192	470379.24	3819908.05	1.82E-09	7.63E-09	6.87E-10	1.01E-08	1.51E-09	5.61E-09	4.93E-10	7.61E-09	1.72E-10	9.82E-10	1.17E-10	1.27E-09	1.56E-10	5.14E-10	3.55E-11	7.06E-10
8193	470370.33	3819911.61	1.84E-09	7.73E-09	6.96E-10	1.03E-08	1.53E-09	5.68E-09	5.00E-10	7.71E-09	1.74E-10	9.95E-10	1.19E-10	1.29E-09	1.58E-10	5.21E-10	3.59E-11	7.15E-10
8194	470361.42	3819915.17	1.86E-09	7.82E-09	7.04E-10	1.04E-08	1.55E-09	5.75E-09	5.05E-10	7.80E-09	1.76E-10	1.01E-09	1.20E-10	1.30E-09	1.60E-10	5.27E-10	3.63E-11	7.23E-10
8195	470352.51	3819918.73	1.88E-09	7.91E-09	7.12E-10	1.05E-08	1.57E-09	5.81E-09	5.11E-10	7.89E-09	1.78E-10	1.02E-09	1.21E-10	1.32E-09	1.62E-10	5.33E-10	3.67E-11	7.31E-10
8196	470343.59	3819922.29	1.9E-09	7.99E-09	7.19E-10	1.06E-08	1.58E-09	5.87E-09	5.16E-10	7.97E-09	1.80E-10	1.03E-09	1.23E-10	1.33E-09	1.63E-10	5.38E-10	3.71E-11	7.39E-10

8197	470334.68	3819925.85	1.92E-09	8.06E-09	7.26E-10	1.07E-08	1.60E-09	5.92E-09	5.21E-10	8.04E-09	1.81E-10	1.04E-09	1.24E-10	1.34E-09	1.65E-10	5.43E-10	3.75E-11	7.46E-10
8198	470325.77	3819929.41	1.94E-09	8.13E-09	7.32E-10	1.08E-08	1.61E-09	5.98E-09	5.26E-10	8.11E-09	1.83E-10	1.05E-09	1.25E-10	1.35E-09	1.66E-10	5.48E-10	3.78E-11	7.52E-10
8199	470316.85	3819932.98	1.95E-09	8.20E-09	7.38E-10	1.09E-08	1.63E-09	6.03E-09	5.30E-10	8.18E-09	1.84E-10	1.06E-09	1.26E-10	1.37E-09	1.68E-10	5.53E-10	3.81E-11	7.58E-10
8200	470307.94	3819936.54	1.97E-09	8.26E-09	7.44E-10	1.10E-08	1.64E-09	6.07E-09	5.34E-10	8.25E-09	1.86E-10	1.06E-09	1.27E-10	1.38E-09	1.69E-10	5.57E-10	3.84E-11	7.64E-10
8201	470299.03	3819940.1	1.98E-09	8.32E-09	7.50E-10	1.11E-08	1.65E-09	6.12E-09	5.38E-10	8.31E-09	1.87E-10	1.07E-09	1.28E-10	1.39E-09	1.70E-10	5.61E-10	3.87E-11	7.70E-10
8202	470779.23	3819455.12	1.39E-09	5.84E-09	5.26E-10	7.75E-09	1.16E-09	4.29E-09	3.77E-10	5.82E-09	1.31E-10	7.51E-10	8.97E-11	9.72E-10	1.19E-10	3.93E-10	2.71E-11	5.40E-10
8203	470779.31	3819445.47	1.39E-09	5.84E-09	5.26E-10	7.75E-09	1.16E-09	4.29E-09	3.77E-10	5.83E-09	1.31E-10	7.52E-10	8.97E-11	9.73E-10	1.19E-10	3.94E-10	2.71E-11	5.40E-10
8204	470779.4	3819435.82	1.39E-09	5.83E-09	5.25E-10	7.75E-09	1.16E-09	4.29E-09	3.77E-10	5.82E-09	1.31E-10	7.51E-10	8.96E-11	9.72E-10	1.19E-10	3.93E-10	2.71E-11	5.40E-10
8205	470779.48	3819426.17	1.39E-09	5.82E-09	5.24E-10	7.73E-09	1.15E-09	4.28E-09	3.76E-10	5.81E-09	1.31E-10	7.49E-10	8.94E-11	9.70E-10	1.19E-10	3.92E-10	2.71E-11	5.38E-10
8206	470779.56	3819416.52	1.38E-09	5.80E-09	5.23E-10	7.71E-09	1.15E-09	4.26E-09	3.75E-10	5.79E-09	1.31E-10	7.47E-10	8.91E-11	9.67E-10	1.19E-10	3.91E-10	2.70E-11	5.37E-10
8207	470779.65	3819406.88	1.38E-09	5.78E-09	5.20E-10	7.67E-09	1.15E-09	4.25E-09	3.74E-10	5.77E-09	1.30E-10	7.44E-10	8.87E-11	9.63E-10	1.18E-10	3.89E-10	2.68E-11	5.34E-10
8208	470779.73	3819397.23	1.37E-09	5.75E-09	5.17E-10	7.63E-09	1.14E-09	4.22E-09	3.71E-10	5.73E-09	1.29E-10	7.40E-10	8.82E-11	9.57E-10	1.17E-10	3.87E-10	2.67E-11	5.31E-10
8209	470779.81	3819387.58	1.36E-09	5.71E-09	5.14E-10	7.58E-09	1.13E-09	4.19E-09	3.69E-10	5.69E-09	1.28E-10	7.34E-10	8.76E-11	9.50E-10	1.17E-10	3.85E-10	2.65E-11	5.28E-10
8210	470779.89	3819377.93	1.35E-09	5.66E-09	5.10E-10	7.51E-09	1.12E-09	4.16E-09	3.66E-10	5.65E-09	1.27E-10	7.28E-10	8.69E-11	9.42E-10	1.16E-10	3.81E-10	2.63E-11	5.23E-10
8211	470779.98	3819368.28	1.33E-09	5.60E-09	5.05E-10	7.44E-09	1.11E-09	4.12E-09	3.62E-10	5.59E-09	1.26E-10	7.21E-10	8.61E-11	9.33E-10	1.15E-10	3.78E-10	2.60E-11	5.18E-10
8212	470780.06	3819358.64	1.32E-09	5.54E-09	4.99E-10	7.36E-09	1.10E-09	4.07E-09	3.58E-10	5.53E-09	1.25E-10	7.13E-10	8.51E-11	9.23E-10	1.13E-10	3.73E-10	2.57E-11	5.12E-10
8213	470780.14	3819348.99	1.3E-09	5.47E-09	4.93E-10	7.27E-09	1.09E-09	4.02E-09	3.54E-10	5.46E-09	1.23E-10	7.04E-10	8.40E-11	9.11E-10	1.12E-10	3.69E-10	2.54E-11	5.06E-10
8214	470780.22	3819339.34	1.28E-09	5.40E-09	4.86E-10	7.17E-09	1.07E-09	3.96E-09	3.49E-10	5.38E-09	1.21E-10	6.95E-10	8.29E-11	8.99E-10	1.10E-10	3.64E-10	2.51E-11	4.99E-10
8215	470780.31	3819329.69	1.27E-09	5.31E-09	4.78E-10	7.06E-09	1.05E-09	3.90E-09	3.43E-10	5.30E-09	1.19E-10	6.84E-10	8.16E-11	8.85E-10	1.09E-10	3.58E-10	2.47E-11	4.91E-10
8216	470780.39	3819320.04	1.24E-09	5.22E-09	4.70E-10	6.94E-09	1.04E-09	3.84E-09	3.38E-10	5.21E-09	1.17E-10	6.73E-10	8.02E-11	8.70E-10	1.07E-10	3.52E-10	2.43E-11	4.83E-10
8217	470780.47	3819310.39	1.22E-09	5.13E-09	4.62E-10	6.81E-09	1.02E-09	3.77E-09	3.32E-10	5.12E-09	1.15E-10	6.60E-10	7.88E-11	8.54E-10	1.05E-10	3.46E-10	2.38E-11	4.74E-10
8218	470780.56	3819300.75	1.2E-09	5.03E-09	4.53E-10	6.68E-09	9.97E-10	3.69E-09	3.25E-10	5.02E-09	1.13E-10	6.47E-10	7.72E-11	8.38E-10	1.03E-10	3.39E-10	2.34E-11	4.65E-10
8219	470780.64	3819291.1	1.17E-09	4.92E-09	4.43E-10	6.54E-09	9.76E-10	3.62E-09	3.18E-10	4.91E-09	1.11E-10	6.34E-10	7.56E-11	8.20E-10	1.01E-10	3.32E-10	2.29E-11	4.55E-10
8220	470780.72	3819281.45	1.15E-09	4.81E-09	4.33E-10	6.39E-09	9.54E-10	3.54E-09	3.11E-10	4.80E-09	1.08E-10	6.19E-10	7.39E-11	8.01E-10	9.83E-11	3.24E-10	2.24E-11	4.45E-10
8221	470780.8	3819271.8	1.12E-09	4.70E-09	4.23E-10	6.24E-09	9.31E-10	3.45E-09	3.03E-10	4.68E-09	1.06E-10	6.04E-10	7.21E-11	7.82E-10	9.60E-11	3.16E-10	2.18E-11	4.34E-10
8222	470780.89	3819262.15	1.09E-09	4.58E-09	4.12E-10	6.08E-09	9.07E-10	3.36E-09	2.96E-10	4.57E-09	1.03E-10	5.89E-10	7.03E-11	7.62E-10	9.35E-11	3.08E-10	2.13E-11	4.23E-10
8223	470780.97	3819252.51	1.06E-09	4.45E-09	4.01E-10	5.91E-09	8.83E-10	3.27E-09	2.88E-10	4.44E-09	1.00E-10	5.73E-10	6.84E-11	7.42E-10	9.10E-11	3.00E-10	2.07E-11	4.12E-10
8224	470781.05	3819242.86	1.03E-09	4.33E-09	3.90E-10	5.75E-09	8.58E-10	3.18E-09	2.80E-10	4.32E-09	9.73E-11	5.57E-10	6.64E-11	7.21E-10	8.84E-11	2.92E-10	2.01E-11	4.00E-10
8225	470815.45	3819464.33	1.23E-09	5.15E-09	4.64E-10	6.84E-09	1.02E-09	3.79E-09	3.33E-10	5.14E-09	1.16E-10	6.63E-10	7.91E-11	8.58E-10	1.05E-10	3.47E-10	2.39E-11	4.77E-10
8226	470811.67	3819473.2	1.24E-09	5.21E-09	4.69E-10	6.92E-09	1.03E-09	3.83E-09	3.37E-10	5.20E-09	1.17E-10	6.71E-10	8.00E-11	8.68E-10	1.07E-10	3.51E-10	2.42E-11	4.82E-10
8227	470807.9	3819482.07	1.25E-09	5.26E-09	4.74E-10	6.99E-09	1.04E-09	3.87E-09	3.40E-10	5.25E-09	1.18E-10	6.77E-10	8.08E-11	8.77E-10	1.08E-10	3.55E-10	2.45E-11	4.87E-10
8228	470804.12	3819490.95	1.26E-09	5.31E-09	4.78E-10	7.05E-09	1.05E-09	3.90E-09	3.43E-10	5.30E-09	1.19E-10	6.84E-10	8.16E-11	8.85E-10	1.09E-10	3.58E-10	2.47E-11	4.91E-10
8229	470800.34	3819499.82	1.28E-09	5.36E-09	4.82E-10	7.11E-09	1.06E-09	3.94E-09	3.46E-10	5.34E-09	1.20E-10	6.89E-10	8.23E-11	8.92E-10	1.09E-10	3.61E-10	2.49E-11	4.95E-10
8230	470796.56	3819508.69	1.28E-09	5.40E-09	4.86E-10	7.17E-09	1.07E-09	3.96E-09	3.49E-10	5.38E-09	1.21E-10	6.95E-10	8.29E-11	8.99E-10	1.10E-10	3.64E-10	2.51E-11	4.99E-10
8231	470781.45	3819544.18	1.31E-09	5.51E-09	4.96E-10	7.32E-09	1.09E-09	4.05E-09	3.56E-10	5.50E-09	1.24E-10	7.09E-10	8.46E-11	9.18E-10	1.13E-10	3.71E-10	2.56E-11	5.10E-10
8232	470777.67	3819553.05	1.32E-09	5.53E-09	4.98E-10	7.34E-09	1.10E-09	4.06E-09	3.57E-10	5.52E-09	1.24E-10	7.12E-10	8.49E-11	9.21E-10	1.13E-10	3.73E-10	2.57E-11	5.11E-10
8233	470773.89	3819561.92	1.32E-09	5.54E-09	4.99E-10	7.36E-09	1.10E-09	4.07E-09	3.58E-10	5.53E-09	1.25E-10	7.13E-10	8.51E-11	9.23E-10	1.13E-10	3.74E-10	2.57E-11	5.13E-10
8234	470770.11	3819570.79	1.32E-09	5.55E-09	5.00E-10	7.37E-09	1.10E-09	4.08E-09	3.59E-10	5.54E-09	1.25E-10	7.15E-10	8.53E-11	9.25E-10	1.13E-10	3.74E-10	2.58E-11	5.13E-10
8235	470766.34	3819579.66	1.32E-09	5.56E-09	5.00E-10	7.38E-09	1.10E-09	4.08E-09	3.59E-10	5.54E-09	1.25E-10	7.15E-10	8.53E-11	9.25E-10	1.14E-10	3.74E-10	2.58E-11	5.14E-10
8236	470762.56	3819588.53	1.32E-09	5.56E-09	5.00E-10	7.38E-09	1.10E-09	4.08E-09	3.59E-10	5.54E-09	1.25E-10	7.15E-10	8.53E-11	9.25E-10	1.14E-10	3.74E-10	2.58E-11	5.14E-10
8237	470758.78	3819597.41	1.32E-09	5.55E-09	5.00E-10	7.37E-09	1.10E-09	4.08E-09	3.59E-10	5.54E-09	1.25E-10	7.15E-10	8.53E-11	9.25E-10	1.13E-10	3.74E-10	2.58E-11	5.14E-10
8238	470755	3819606.28	1.32E-09	5.54E-09	4.99E-10	7.36E-09	1.10E-09	4.07E-09	3.58E-10	5.53E-09	1.25E-10	7.14E-10	8.52E-11	9.24E-10	1.13E-10	3.74E-10	2.58E-11	5.13E-10
8239	470751.22	3819615.15	1.32E-09	5.53E-09	4.98E-10	7.35E-09	1.10E-09	4.07E-09	3.58E-10	5.52E-09	1.24E-10	7.12E-10	8.50E-11	9.22E-10	1.13E-10	3.73E-10	2.57E-11	5.12E-10
8240	470747.44	3819624.02	1.31E-09	5.52E-09	4.97E-10	7.33E-09	1.09E-09	4.06E-09	3.57E-10	5.51E-09	1.24E-10	7.11E-10	8.48E-11	9.19E-10	1.13E-10	3.72E-10	2.56E-11	5.10E-10
8241	470743.67	3819632.89	1.31E-09	5.50E-09	4.95E-10	7.31E-09	1.09E-09	4.04E-09	3.56E-10	5.49E-09	1.24E-10	7.08E-10	8.45E-11	9.16E-10	1.12E-10	3.71E-10	2.56E-11	5.09E-10
8242	470739.89	3819641.76	1.31E-09	5.48E-09	4.94E-10	7.28E-09	1.09E-09	4.03E-09	3.54E-10	5.47E-09	1.23E-10	7.05E-10	8.42E-11	9.13E-10	1.12E-10	3.69E-10	2.55E-11	5.07E-10
8243	470736.11	3819650.63	1.3E-09	5.46E-09	4.91E-10	7.25E-09	1.08E-09	4.01E-09	3.53E-10	5.44E-09	1.23E-10	7.02E-10	8.38E-11	9.09E-10	1.12E-10	3.68E-10	2.54E-11	5.05E-10
8244	470732.33	3819659.51	1.29E-09	5.43E-09	4.89E-10	7.21E-09	1.08E-09	3.99E-09	3.51E-10	5.42E-09	1.22E-10	6.99E-10	8.34E-11	9.05E-10	1.11E-10	3.66E-10	2.52E-11	5.02E-10
8245	470728.55	3819668.38	1.29E-09	5.40E-09	4.87E-10	7.18E-09	1.07E-09	3.97E-09	3.49E-10	5.39E-09	1.21E-10	6.96E-10	8.30E-11	9.00E-10	1.10E-10	3.64E-10	2.51E-11	5.00E-10
8246	470477.68	3819908.49	1.41E-09	5.91E-09	5.32E-10	7.85E-09	1.17E-09	4.34E-09	3.82E-10	5.90E-09	1.33E-10	7.61E-10	9.08E-11	9.85E-10	1.21E-10	3.99E-10	2.75E-11	5.47E-10

8247	470468.73	3819912.07	1.43E-09	6.00E-09	5.41E-10	7.97E-09	1.19E-09	4.41E-09	3.88E-10	5.99E-09	1.35E-10	7.73E-10	9.22E-11	1.00E-09	1.23E-10	4.05E-10	2.79E-11	5.55E-10
8248	470459.77	3819915.65	1.45E-09	6.10E-09	5.49E-10	8.10E-09	1.21E-09	4.48E-09	3.94E-10	6.08E-09	1.37E-10	7.85E-10	9.36E-11	1.02E-09	1.25E-10	4.11E-10	2.83E-11	5.64E-10
8249	470450.82	3819919.22	1.47E-09	6.19E-09	5.57E-10	8.22E-09	1.23E-09	4.55E-09	4.00E-10	6.18E-09	1.39E-10	7.97E-10	9.51E-11	1.03E-09	1.27E-10	4.17E-10	2.88E-11	5.72E-10
8250	470441.87	3819922.8	1.5E-09	6.28E-09	5.66E-10	8.34E-09	1.25E-09	4.62E-09	4.06E-10	6.27E-09	1.41E-10	8.09E-10	9.65E-11	1.05E-09	1.28E-10	4.23E-10	2.92E-11	5.81E-10
8251	470432.91	3819926.38	1.52E-09	6.38E-09	5.74E-10	8.47E-09	1.26E-09	4.68E-09	4.12E-10	6.36E-09	1.43E-10	8.21E-10	9.79E-11	1.06E-09	1.30E-10	4.30E-10	2.96E-11	5.90E-10
8252	470423.96	3819929.96	1.54E-09	6.47E-09	5.82E-10	8.59E-09	1.28E-09	4.75E-09	4.18E-10	6.45E-09	1.45E-10	8.33E-10	9.93E-11	1.08E-09	1.32E-10	4.36E-10	3.01E-11	5.98E-10
8253	470415	3819933.54	1.56E-09	6.56E-09	5.91E-10	8.71E-09	1.30E-09	4.82E-09	4.24E-10	6.54E-09	1.47E-10	8.44E-10	1.01E-10	1.09E-09	1.34E-10	4.42E-10	3.05E-11	6.07E-10
8254	470406.05	3819937.11	1.58E-09	6.65E-09	5.99E-10	8.83E-09	1.32E-09	4.88E-09	4.30E-10	6.63E-09	1.49E-10	8.56E-10	1.02E-10	1.11E-09	1.36E-10	4.48E-10	3.09E-11	6.15E-10
8255	470397.09	3819940.69	1.6E-09	6.73E-09	6.06E-10	8.94E-09	1.34E-09	4.95E-09	4.35E-10	6.72E-09	1.51E-10	8.67E-10	1.03E-10	1.12E-09	1.38E-10	4.54E-10	3.13E-11	6.23E-10
8256	470388.14	3819944.27	1.62E-09	6.81E-09	6.14E-10	9.05E-09	1.35E-09	5.01E-09	4.40E-10	6.80E-09	1.53E-10	8.77E-10	1.05E-10	1.13E-09	1.39E-10	4.59E-10	3.17E-11	6.30E-10
8257	470379.18	3819947.85	1.64E-09	6.89E-09	6.21E-10	9.15E-09	1.37E-09	5.06E-09	4.45E-10	6.88E-09	1.55E-10	8.87E-10	1.06E-10	1.15E-09	1.41E-10	4.64E-10	3.20E-11	6.37E-10
8258	470370.23	3819951.42	1.66E-09	6.97E-09	6.27E-10	9.25E-09	1.38E-09	5.12E-09	4.50E-10	6.95E-09	1.57E-10	8.97E-10	1.07E-10	1.16E-09	1.42E-10	4.70E-10	3.24E-11	6.44E-10
8259	470361.28	3819955	1.68E-09	7.04E-09	6.34E-10	9.35E-09	1.40E-09	5.17E-09	4.55E-10	7.03E-09	1.58E-10	9.06E-10	1.08E-10	1.17E-09	1.44E-10	4.75E-10	3.27E-11	6.51E-10
8260	470352.32	3819958.58	1.69E-09	7.11E-09	6.40E-10	9.45E-09	1.41E-09	5.23E-09	4.60E-10	7.10E-09	1.60E-10	9.15E-10	1.09E-10	1.18E-09	1.45E-10	4.79E-10	3.30E-11	6.58E-10
8261	470343.37	3819962.16	1.71E-09	7.18E-09	6.46E-10	9.53E-09	1.42E-09	5.27E-09	4.64E-10	7.16E-09	1.61E-10	9.24E-10	1.10E-10	1.20E-09	1.47E-10	4.84E-10	3.33E-11	6.64E-10
8262	470334.41	3819965.73	1.72E-09	7.24E-09	6.52E-10	9.62E-09	1.44E-09	5.32E-09	4.68E-10	7.22E-09	1.63E-10	9.32E-10	1.11E-10	1.21E-09	1.48E-10	4.88E-10	3.36E-11	6.70E-10
8263	470325.46	3819969.31	1.74E-09	7.30E-09	6.57E-10	9.69E-09	1.45E-09	5.36E-09	4.72E-10	7.28E-09	1.64E-10	9.39E-10	1.12E-10	1.22E-09	1.49E-10	4.92E-10	3.39E-11	6.75E-10
8264	470316.5	3819972.89	1.75E-09	7.35E-09	6.62E-10	9.77E-09	1.46E-09	5.40E-09	4.75E-10	7.34E-09	1.65E-10	9.47E-10	1.13E-10	1.22E-09	1.50E-10	4.96E-10	3.42E-11	6.80E-10
8265	470307.55	3819976.47	1.76E-09	7.40E-09	6.67E-10	9.83E-09	1.47E-09	5.44E-09	4.79E-10	7.39E-09	1.66E-10	9.53E-10	1.14E-10	1.23E-09	1.51E-10	4.99E-10	3.44E-11	6.85E-10
8266	470819.23	3819455.46	1.21E-09	5.09E-09	4.59E-10	6.76E-09	1.01E-09	3.74E-09	3.29E-10	5.08E-09	1.15E-10	6.56E-10	7.82E-11	8.48E-10	1.04E-10	3.43E-10	2.37E-11	4.71E-10
8267	470819.31	3819445.81	1.21E-09	5.09E-09	4.58E-10	6.76E-09	1.01E-09	3.74E-09	3.29E-10	5.08E-09	1.14E-10	6.55E-10	7.82E-11	8.48E-10	1.04E-10	3.43E-10	2.36E-11	4.71E-10
8268	470819.4	3819436.16	1.21E-09	5.08E-09	4.58E-10	6.75E-09	1.01E-09	3.73E-09	3.28E-10	5.07E-09	1.14E-10	6.54E-10	7.81E-11	8.47E-10	1.04E-10	3.43E-10	2.36E-11	4.70E-10
8269	470819.48	3819426.52	1.21E-09	5.07E-09	4.57E-10	6.73E-09	1.01E-09	3.72E-09	3.28E-10	5.06E-09	1.14E-10	6.53E-10	7.79E-11	8.44E-10	1.04E-10	3.42E-10	2.36E-11	4.69E-10
8270	470819.56	3819416.87	1.2E-09	5.05E-09	4.55E-10	6.71E-09	1.00E-09	3.71E-09	3.27E-10	5.04E-09	1.14E-10	6.50E-10	7.76E-11	8.41E-10	1.03E-10	3.40E-10	2.35E-11	4.67E-10
8271	470819.64	3819407.22	1.2E-09	5.03E-09	4.53E-10	6.68E-09	9.97E-10	3.69E-09	3.25E-10	5.02E-09	1.13E-10	6.47E-10	7.72E-11	8.38E-10	1.03E-10	3.39E-10	2.34E-11	4.65E-10
8272	470819.73	3819397.57	1.19E-09	5.00E-09	4.50E-10	6.64E-09	9.91E-10	3.67E-09	3.23E-10	4.99E-09	1.12E-10	6.44E-10	7.68E-11	8.33E-10	1.02E-10	3.37E-10	2.32E-11	4.62E-10
8273	470819.81	3819387.92	1.18E-09	4.96E-09	4.47E-10	6.59E-09	9.85E-10	3.65E-09	3.21E-10	4.95E-09	1.12E-10	6.39E-10	7.62E-11	8.27E-10	1.01E-10	3.35E-10	2.31E-11	4.59E-10
8274	470819.89	3819378.27	1.17E-09	4.92E-09	4.43E-10	6.54E-09	9.77E-10	3.62E-09	3.18E-10	4.91E-09	1.11E-10	6.34E-10	7.56E-11	8.20E-10	1.01E-10	3.32E-10	2.29E-11	4.55E-10
8275	470819.97	3819368.63	1.16E-09	4.88E-09	4.39E-10	6.48E-09	9.67E-10	3.58E-09	3.15E-10	4.87E-09	1.10E-10	6.28E-10	7.49E-11	8.13E-10	9.97E-11	3.29E-10	2.27E-11	4.51E-10
8276	470820.06	3819358.98	1.15E-09	4.83E-09	4.35E-10	6.41E-09	9.57E-10	3.55E-09	3.12E-10	4.82E-09	1.09E-10	6.21E-10	7.41E-11	8.04E-10	9.87E-11	3.25E-10	2.24E-11	4.46E-10
8277	470820.14	3819349.33	1.14E-09	4.77E-09	4.29E-10	6.33E-09	9.46E-10	3.50E-09	3.08E-10	4.76E-09	1.07E-10	6.14E-10	7.33E-11	7.94E-10	9.75E-11	3.21E-10	2.22E-11	4.41E-10
8278	470820.22	3819339.68	1.12E-09	4.71E-09	4.24E-10	6.25E-09	9.34E-10	3.46E-09	3.04E-10	4.70E-09	1.06E-10	6.06E-10	7.23E-11	7.84E-10	9.62E-11	3.17E-10	2.19E-11	4.35E-10
8279	470820.31	3819330.03	1.1E-09	4.64E-09	4.18E-10	6.16E-09	9.20E-10	3.41E-09	3.00E-10	4.63E-09	1.04E-10	5.97E-10	7.13E-11	7.73E-10	9.48E-11	3.13E-10	2.16E-11	4.29E-10
8280	470820.39	3819320.39	1.09E-09	4.57E-09	4.11E-10	6.07E-09	9.06E-10	3.36E-09	2.95E-10	4.56E-09	1.03E-10	5.88E-10	7.01E-11	7.61E-10	9.34E-11	3.08E-10	2.12E-11	4.22E-10
8281	470820.47	3819310.74	1.07E-09	4.49E-09	4.04E-10	5.96E-09	8.91E-10	3.30E-09	2.90E-10	4.48E-09	1.01E-10	5.78E-10	6.90E-11	7.48E-10	9.18E-11	3.03E-10	2.09E-11	4.15E-10
8282	470820.55	3819301.09	1.05E-09	4.41E-09	3.97E-10	5.85E-09	8.74E-10	3.24E-09	2.85E-10	4.40E-09	9.91E-11	5.67E-10	6.77E-11	7.34E-10	9.01E-11	2.97E-10	2.05E-11	4.08E-10
8283	470820.64	3819291.44	1.03E-09	4.32E-09	3.89E-10	5.74E-09	8.57E-10	3.17E-09	2.79E-10	4.31E-09	9.72E-11	5.56E-10	6.64E-11	7.20E-10	8.83E-11	2.91E-10	2.01E-11	4.00E-10
8284	470820.72	3819281.79	1.01E-09	4.23E-09	3.81E-10	5.62E-09	8.39E-10	3.11E-09	2.73E-10	4.22E-09	9.51E-11	5.45E-10	6.50E-11	7.05E-10	8.65E-11	2.85E-10	1.97E-11	3.91E-10
8285	470820.8	3819272.14	9.85E-10	4.14E-09	3.72E-10	5.49E-09	8.20E-10	3.04E-09	2.67E-10	4.13E-09	9.30E-11	5.32E-10	6.35E-11	6.89E-10	8.45E-11	2.79E-10	1.92E-11	3.82E-10
8286	470820.88	3819262.5	9.62E-10	4.04E-09	3.64E-10	5.36E-09	8.01E-10	2.97E-09	2.61E-10	4.03E-09	9.08E-11	5.20E-10	6.20E-11	6.73E-10	8.25E-11	2.72E-10	1.88E-11	3.73E-10
8287	470820.97	3819252.85	9.37E-10	3.94E-09	3.55E-10	5.23E-09	7.81E-10	2.89E-09	2.54E-10	3.93E-09	8.85E-11	5.07E-10	6.05E-11	6.56E-10	8.05E-11	2.65E-10	1.83E-11	3.64E-10
8288	470821.05	3819243.2	9.13E-10	3.83E-09	3.45E-10	5.09E-09	7.60E-10	2.82E-09	2.48E-10	3.83E-09	8.62E-11	4.94E-10	5.89E-11	6.39E-10	7.84E-11	2.58E-10	1.78E-11	3.55E-10
8289	470855.52	3819464.52	1.08E-09	4.53E-09	4.08E-10	6.02E-09	8.98E-10	3.33E-09	2.93E-10	4.52E-09	1.02E-10	5.83E-10	6.96E-11	7.54E-10	9.26E-11	3.05E-10	2.10E-11	4.19E-10
8290	470851.8	3819473.24	1.09E-09	4.58E-09	4.12E-10	6.08E-09	9.08E-10	3.36E-09	2.96E-10	4.57E-09	1.03E-10	5.89E-10	7.03E-11	7.63E-10	9.36E-11	3.09E-10	2.13E-11	4.24E-10
8291	470848.09	3819481.96	1.1E-09	4.63E-09	4.17E-10	6.14E-09	9.17E-10	3.40E-09	2.99E-10	4.62E-09	1.04E-10	5.95E-10	7.10E-11	7.71E-10	9.46E-11	3.12E-10	2.15E-11	4.28E-10
8292	470844.38	3819490.67	1.11E-09	4.67E-09	4.21E-10	6.20E-09	9.26E-10	3.43E-09	3.02E-10	4.66E-09	1.05E-10	6.01E-10	7.17E-11	7.78E-10	9.55E-11	3.15E-10	2.17E-11	4.32E-10
8293	470840.67	3819499.39	1.12E-09	4.71E-09	4.24E-10	6.26E-09	9.34E-10	3.46E-09	3.04E-10	4.70E-09	1.06E-10	6.06E-10	7.23E-11	7.85E-10	9.63E-11	3.17E-10	2.19E-11	4.36E-10
8294	470836.95	3819508.11	1.13E-09	4.75E-09	4.28E-10	6.31E-09	9.42E-10	3.49E-09	3.07E-10	4.74E-09	1.07E-10	6.11E-10	7.29E-11	7.91E-10	9.70E-11	3.20E-10	2.21E-11	4.39E-10
8295	470833.24	3819516.83	1.14E-09	4.78E-09	4.31E-10	6.35E-09	9.48E-10	3.51E-09	3.09E-10	4.77E-09	1.08E-10	6.15E-10	7.34E-11	7.96E-10	9.77E-11	3.22E-10	2.22E-11	4.42E-10
8296	470829.53	3819525.55	1.15E-09	4.81E-09	4.33E-10	6.39E-09	9.54E-10	3.54E-09	3.11E-10	4.80E-09	1.08E-10	6.19E-10	7.39E-11	8.01E-10	9.84E-11	3.24E-10	2.24E-11	4.45E-10

8297	470825.81	3819534.26	1.15E-09	4.84E-09	4.36E-10	6.43E-09	9.60E-10	3.56E-09	3.13E-10	4.83E-09	1.09E-10	6.23E-10	7.43E-11	8.06E-10	9.89E-11	3.26E-10	2.25E-11	4.48E-10
8298	470807.25	3819577.85	1.17E-09	4.92E-09	4.43E-10	6.54E-09	9.76E-10	3.62E-09	3.18E-10	4.91E-09	1.11E-10	6.34E-10	7.56E-11	8.20E-10	1.01E-10	3.32E-10	2.29E-11	4.55E-10
8299	470803.54	3819586.57	1.17E-09	4.93E-09	4.44E-10	6.55E-09	9.78E-10	3.62E-09	3.19E-10	4.92E-09	1.11E-10	6.35E-10	7.57E-11	8.21E-10	1.01E-10	3.32E-10	2.29E-11	4.56E-10
8300	470799.83	3819595.29	1.17E-09	4.93E-09	4.44E-10	6.55E-09	9.78E-10	3.62E-09	3.19E-10	4.92E-09	1.11E-10	6.35E-10	7.58E-11	8.22E-10	1.01E-10	3.33E-10	2.29E-11	4.56E-10
8301	470796.11	3819604.01	1.17E-09	4.93E-09	4.44E-10	6.55E-09	9.78E-10	3.63E-09	3.19E-10	4.92E-09	1.11E-10	6.35E-10	7.58E-11	8.22E-10	1.01E-10	3.33E-10	2.29E-11	4.56E-10
8302	470792.4	3819612.72	1.17E-09	4.93E-09	4.44E-10	6.55E-09	9.78E-10	3.62E-09	3.19E-10	4.92E-09	1.11E-10	6.35E-10	7.57E-11	8.21E-10	1.01E-10	3.32E-10	2.29E-11	4.56E-10
8303	470788.69	3819621.44	1.17E-09	4.93E-09	4.44E-10	6.54E-09	9.77E-10	3.62E-09	3.18E-10	4.91E-09	1.11E-10	6.34E-10	7.56E-11	8.20E-10	1.01E-10	3.32E-10	2.29E-11	4.56E-10
8304	470784.98	3819630.16	1.17E-09	4.92E-09	4.43E-10	6.53E-09	9.75E-10	3.61E-09	3.18E-10	4.91E-09	1.11E-10	6.33E-10	7.55E-11	8.19E-10	1.01E-10	3.31E-10	2.28E-11	4.55E-10
8305	470781.26	3819638.88	1.17E-09	4.91E-09	4.42E-10	6.51E-09	9.73E-10	3.60E-09	3.17E-10	4.89E-09	1.10E-10	6.31E-10	7.53E-11	8.17E-10	1.00E-10	3.31E-10	2.28E-11	4.54E-10
8306	470777.55	3819647.59	1.16E-09	4.89E-09	4.40E-10	6.50E-09	9.70E-10	3.59E-09	3.16E-10	4.88E-09	1.10E-10	6.30E-10	7.51E-11	8.15E-10	1.00E-10	3.30E-10	2.27E-11	4.52E-10
8307	470773.84	3819656.31	1.16E-09	4.88E-09	4.39E-10	6.48E-09	9.67E-10	3.58E-09	3.15E-10	4.86E-09	1.10E-10	6.28E-10	7.49E-11	8.12E-10	9.97E-11	3.29E-10	2.27E-11	4.51E-10
8308	470770.12	3819665.03	1.16E-09	4.86E-09	4.37E-10	6.45E-09	9.63E-10	3.57E-09	3.14E-10	4.85E-09	1.09E-10	6.25E-10	7.46E-11	8.09E-10	9.93E-11	3.27E-10	2.26E-11	4.49E-10
8309	470766.41	3819673.75	1.15E-09	4.84E-09	4.36E-10	6.42E-09	9.59E-10	3.55E-09	3.13E-10	4.83E-09	1.09E-10	6.23E-10	7.43E-11	8.06E-10	9.89E-11	3.26E-10	2.25E-11	4.47E-10
8310	470762.7	3819682.47	1.15E-09	4.82E-09	4.34E-10	6.40E-09	9.55E-10	3.54E-09	3.11E-10	4.80E-09	1.08E-10	6.20E-10	7.40E-11	8.02E-10	9.84E-11	3.25E-10	2.24E-11	4.45E-10
8311	470758.99	3819691.18	1.14E-09	4.79E-09	4.32E-10	6.36E-09	9.50E-10	3.52E-09	3.10E-10	4.78E-09	1.08E-10	6.17E-10	7.36E-11	7.98E-10	9.80E-11	3.23E-10	2.23E-11	4.43E-10
8312	470473.56	3819949.91	1.3E-09	5.47E-09	4.93E-10	7.26E-09	1.08E-09	4.02E-09	3.54E-10	5.46E-09	1.23E-10	7.04E-10	8.40E-11	9.11E-10	1.12E-10	3.69E-10	2.54E-11	5.06E-10
8313	470464.76	3819953.43	1.32E-09	5.55E-09	5.00E-10	7.37E-09	1.10E-09	4.08E-09	3.59E-10	5.54E-09	1.25E-10	7.14E-10	8.52E-11	9.24E-10	1.13E-10	3.74E-10	2.58E-11	5.13E-10
8314	470455.96	3819956.95	1.34E-09	5.63E-09	5.07E-10	7.47E-09	1.12E-09	4.13E-09	3.64E-10	5.61E-09	1.27E-10	7.24E-10	8.64E-11	9.37E-10	1.15E-10	3.79E-10	2.61E-11	5.20E-10
8315	470447.16	3819960.46	1.36E-09	5.70E-09	5.14E-10	7.58E-09	1.13E-09	4.19E-09	3.69E-10	5.69E-09	1.28E-10	7.34E-10	8.76E-11	9.50E-10	1.17E-10	3.85E-10	2.65E-11	5.28E-10
8316	470438.36	3819963.98	1.38E-09	5.78E-09	5.21E-10	7.68E-09	1.15E-09	4.25E-09	3.74E-10	5.77E-09	1.30E-10	7.44E-10	8.88E-11	9.63E-10	1.18E-10	3.90E-10	2.69E-11	5.35E-10
8317	470429.56	3819967.49	1.4E-09	5.86E-09	5.28E-10	7.78E-09	1.16E-09	4.31E-09	3.79E-10	5.85E-09	1.32E-10	7.54E-10	9.00E-11	9.76E-10	1.20E-10	3.95E-10	2.72E-11	5.42E-10
8318	470420.76	3819971.01	1.41E-09	5.93E-09	5.34E-10	7.88E-09	1.18E-09	4.36E-09	3.84E-10	5.92E-09	1.33E-10	7.64E-10	9.11E-11	9.89E-10	1.21E-10	4.00E-10	2.76E-11	5.49E-10
8319	470411.96	3819974.52	1.43E-09	6.01E-09	5.41E-10	7.98E-09	1.19E-09	4.41E-09	3.88E-10	5.99E-09	1.35E-10	7.73E-10	9.23E-11	1.00E-09	1.23E-10	4.05E-10	2.79E-11	5.56E-10
8320	470403.16	3819978.04	1.45E-09	6.08E-09	5.47E-10	8.07E-09	1.21E-09	4.47E-09	3.93E-10	6.07E-09	1.37E-10	7.83E-10	9.34E-11	1.01E-09	1.24E-10	4.10E-10	2.82E-11	5.62E-10
8321	470394.36	3819981.55	1.46E-09	6.15E-09	5.54E-10	8.17E-09	1.22E-09	4.52E-09	3.97E-10	6.13E-09	1.38E-10	7.91E-10	9.44E-11	1.02E-09	1.26E-10	4.14E-10	2.86E-11	5.69E-10
8322	470385.56	3819985.07	1.48E-09	6.21E-09	5.60E-10	8.25E-09	1.23E-09	4.57E-09	4.02E-10	6.20E-09	1.40E-10	8.00E-10	9.54E-11	1.04E-09	1.27E-10	4.19E-10	2.89E-11	5.75E-10
8323	470376.77	3819988.59	1.49E-09	6.28E-09	5.65E-10	8.34E-09	1.25E-09	4.61E-09	4.06E-10	6.26E-09	1.41E-10	8.08E-10	9.64E-11	1.05E-09	1.28E-10	4.23E-10	2.92E-11	5.81E-10
8324	470367.97	3819992.1	1.51E-09	6.34E-09	5.71E-10	8.42E-09	1.26E-09	4.66E-09	4.10E-10	6.32E-09	1.43E-10	8.16E-10	9.73E-11	1.06E-09	1.30E-10	4.27E-10	2.94E-11	5.86E-10
8325	470359.17	3819995.62	1.52E-09	6.40E-09	5.76E-10	8.49E-09	1.27E-09	4.70E-09	4.13E-10	6.38E-09	1.44E-10	8.23E-10	9.82E-11	1.07E-09	1.31E-10	4.31E-10	2.97E-11	5.92E-10
8326	470350.37	3819999.13	1.54E-09	6.45E-09	5.81E-10	8.57E-09	1.28E-09	4.74E-09	4.17E-10	6.44E-09	1.45E-10	8.30E-10	9.91E-11	1.07E-09	1.32E-10	4.35E-10	3.00E-11	5.97E-10
8327	470341.57	3820002.65	1.55E-09	6.50E-09	5.85E-10	8.63E-09	1.29E-09	4.78E-09	4.20E-10	6.49E-09	1.46E-10	8.37E-10	9.98E-11	1.08E-09	1.33E-10	4.38E-10	3.02E-11	6.01E-10
8328	470332.77	3820006.16	1.56E-09	6.55E-09	5.90E-10	8.70E-09	1.30E-09	4.81E-09	4.23E-10	6.53E-09	1.47E-10	8.43E-10	1.01E-10	1.09E-09	1.34E-10	4.41E-10	3.04E-11	6.06E-10
8329	470323.97	3820009.68	1.57E-09	6.59E-09	5.94E-10	8.76E-09	1.31E-09	4.84E-09	4.26E-10	6.58E-09	1.48E-10	8.49E-10	1.01E-10	1.10E-09	1.35E-10	4.44E-10	3.06E-11	6.10E-10
8330	470315.17	3820013.2	1.58E-09	6.63E-09	5.97E-10	8.81E-09	1.32E-09	4.87E-09	4.29E-10	6.62E-09	1.49E-10	8.54E-10	1.02E-10	1.10E-09	1.36E-10	4.47E-10	3.08E-11	6.13E-10
8331	470859.23	3819455.8	1.07E-09	4.48E-09	4.03E-10	5.95E-09	8.88E-10	3.29E-09	2.89E-10	4.47E-09	1.01E-10	5.76E-10	6.88E-11	7.46E-10	9.15E-11	3.02E-10	2.08E-11	4.14E-10
8332	470859.31	3819446.15	1.07E-09	4.47E-09	4.03E-10	5.94E-09	8.87E-10	3.29E-09	2.89E-10	4.46E-09	1.01E-10	5.76E-10	6.87E-11	7.45E-10	9.14E-11	3.01E-10	2.08E-11	4.14E-10
8333	470859.39	3819436.51	1.06E-09	4.46E-09	4.02E-10	5.93E-09	8.85E-10	3.28E-09	2.89E-10	4.45E-09	1.00E-10	5.75E-10	6.86E-11	7.44E-10	9.13E-11	3.01E-10	2.07E-11	4.13E-10
8334	470859.48	3819426.86	1.06E-09	4.45E-09	4.01E-10	5.91E-09	8.83E-10	3.27E-09	2.88E-10	4.44E-09	1.00E-10	5.73E-10	6.84E-11	7.41E-10	9.10E-11	3.00E-10	2.07E-11	4.12E-10
8335	470859.56	3819417.21	1.06E-09	4.43E-09	3.99E-10	5.89E-09	8.80E-10	3.26E-09	2.87E-10	4.42E-09	9.97E-11	5.71E-10	6.81E-11	7.39E-10	9.06E-11	2.99E-10	2.06E-11	4.10E-10
8336	470859.64	3819407.56	1.05E-09	4.41E-09	3.97E-10	5.86E-09	8.75E-10	3.24E-09	2.85E-10	4.40E-09	9.92E-11	5.68E-10	6.78E-11	7.35E-10	9.02E-11	2.97E-10	2.05E-11	4.08E-10
8337	470859.73	3819397.91	1.04E-09	4.39E-09	3.95E-10	5.83E-09	8.70E-10	3.22E-09	2.84E-10	4.38E-09	9.87E-11	5.65E-10	6.74E-11	7.31E-10	8.97E-11	2.96E-10	2.04E-11	4.06E-10
8338	470859.81	3819388.27	1.04E-09	4.36E-09	3.92E-10	5.79E-09	8.64E-10	3.20E-09	2.82E-10	4.35E-09	9.80E-11	5.61E-10	6.69E-11	7.26E-10	8.91E-11	2.94E-10	2.02E-11	4.03E-10
8339	470859.89	3819378.62	1.03E-09	4.32E-09	3.89E-10	5.74E-09	8.57E-10	3.18E-09	2.79E-10	4.31E-09	9.72E-11	5.56E-10	6.64E-11	7.20E-10	8.84E-11	2.91E-10	2.01E-11	4.00E-10
8340	470859.97	3819368.97	1.02E-09	4.28E-09	3.86E-10	5.69E-09	8.50E-10	3.15E-09	2.77E-10	4.27E-09	9.63E-11	5.51E-10	6.58E-11	7.14E-10	8.76E-11	2.89E-10	1.99E-11	3.96E-10
8341	470860.06	3819359.32	1.01E-09	4.24E-09	3.82E-10	5.63E-09	8.41E-10	3.12E-09	2.74E-10	4.23E-09	9.53E-11	5.46E-10	6.51E-11	7.06E-10	8.67E-11	2.86E-10	1.97E-11	3.92E-10
8342	470860.14	3819349.67	9.98E-10	4.19E-09	3.78E-10	5.57E-09	8.32E-10	3.08E-09	2.71E-10	4.18E-09	9.43E-11	5.40E-10	6.44E-11	6.98E-10	8.57E-11	2.83E-10	1.95E-11	3.88E-10
8343	470860.22	3819340.02	9.86E-10	4.14E-09	3.73E-10	5.50E-09	8.21E-10	3.04E-09	2.68E-10	4.13E-09	9.31E-11	5.33E-10	6.36E-11	6.90E-10	8.47E-11	2.79E-10	1.92E-11	3.83E-10
8344	470860.3	3819330.38	9.73E-10	4.09E-09	3.68E-10	5.43E-09	8.10E-10	3.00E-09	2.64E-10	4.08E-09	9.19E-11	5.26E-10	6.27E-11	6.81E-10	8.35E-11	2.75E-10	1.90E-11	3.78E-10
8345	470860.39	3819320.73	9.58E-10	4.03E-09	3.62E-10	5.35E-09	7.98E-10	2.96E-09	2.60E-10	4.02E-09	9.05E-11	5.18E-10	6.18E-11	6.70E-10	8.23E-11	2.71E-10	1.87E-11	3.72E-10
8346	470860.47	3819311.08	9.43E-10	3.96E-09	3.57E-10	5.26E-09	7.86E-10	2.91E-09	2.56E-10	3.95E-09	8.91E-11	5.10E-10	6.08E-11	6.60E-10	8.10E-11	2.67E-10	1.84E-11	3.66E-10

8347	470860.55	3819301.43	9.27E-10	3.89E-09	3.51E-10	5.17E-09	7.72E-10	2.86E-09	2.52E-10	3.88E-09	8.76E-11	5.01E-10	5.98E-11	6.49E-10	7.96E-11	2.62E-10	1.81E-11	3.60E-10
8348	470860.64	3819291.78	9.1E-10	3.82E-09	3.44E-10	5.08E-09	7.58E-10	2.81E-09	2.47E-10	3.81E-09	8.59E-11	4.92E-10	5.87E-11	6.37E-10	7.81E-11	2.58E-10	1.78E-11	3.53E-10
8349	470860.72	3819282.14	8.92E-10	3.75E-09	3.37E-10	4.98E-09	7.43E-10	2.75E-09	2.42E-10	3.74E-09	8.43E-11	4.82E-10	5.76E-11	6.24E-10	7.66E-11	2.53E-10	1.74E-11	3.47E-10
8350	470860.8	3819272.49	8.74E-10	3.67E-09	3.30E-10	4.87E-09	7.28E-10	2.70E-09	2.37E-10	3.66E-09	8.25E-11	4.72E-10	5.64E-11	6.11E-10	7.50E-11	2.47E-10	1.70E-11	3.39E-10
8351	470860.88	3819262.84	8.55E-10	3.59E-09	3.23E-10	4.77E-09	7.12E-10	2.64E-09	2.32E-10	3.58E-09	8.07E-11	4.62E-10	5.51E-11	5.98E-10	7.34E-11	2.42E-10	1.67E-11	3.32E-10
8352	470860.97	3819253.19	8.35E-10	3.51E-09	3.16E-10	4.66E-09	6.95E-10	2.58E-09	2.27E-10	3.50E-09	7.88E-11	4.51E-10	5.38E-11	5.84E-10	7.17E-11	2.36E-10	1.63E-11	3.24E-10
8353	470861.05	3819243.54	8.14E-10	3.42E-09	3.08E-10	4.54E-09	6.78E-10	2.51E-09	2.21E-10	3.41E-09	7.69E-11	4.40E-10	5.25E-11	5.70E-10	6.99E-11	2.30E-10	1.59E-11	3.16E-10
8354	470895.5	3819464.91	9.55E-10	4.01E-09	3.61E-10	5.33E-09	7.95E-10	2.95E-09	2.59E-10	4.00E-09	9.02E-11	5.16E-10	6.16E-11	6.68E-10	8.20E-11	2.70E-10	1.86E-11	3.71E-10
8355	470891.77	3819473.67	9.65E-10	4.05E-09	3.65E-10	5.38E-09	8.04E-10	2.98E-09	2.62E-10	4.05E-09	9.12E-11	5.22E-10	6.23E-11	6.75E-10	8.29E-11	2.73E-10	1.88E-11	3.75E-10
8356	470888.04	3819482.43	9.75E-10	4.10E-09	3.69E-10	5.44E-09	8.12E-10	3.01E-09	2.65E-10	4.09E-09	9.21E-11	5.27E-10	6.29E-11	6.82E-10	8.37E-11	2.76E-10	1.90E-11	3.79E-10
8357	470884.3	3819491.19	9.85E-10	4.14E-09	3.72E-10	5.49E-09	8.20E-10	3.04E-09	2.67E-10	4.13E-09	9.30E-11	5.32E-10	6.35E-11	6.89E-10	8.45E-11	2.79E-10	1.92E-11	3.82E-10
8358	470880.57	3819499.95	9.94E-10	4.17E-09	3.76E-10	5.54E-09	8.28E-10	3.07E-09	2.70E-10	4.16E-09	9.38E-11	5.37E-10	6.41E-11	6.95E-10	8.53E-11	2.81E-10	1.94E-11	3.86E-10
8359	470876.84	3819508.71	1E-09	4.21E-09	3.79E-10	5.59E-09	8.34E-10	3.09E-09	2.72E-10	4.20E-09	9.46E-11	5.42E-10	6.46E-11	7.01E-10	8.60E-11	2.84E-10	1.95E-11	3.89E-10
8360	470873.11	3819517.46	1.01E-09	4.24E-09	3.82E-10	5.63E-09	8.41E-10	3.11E-09	2.74E-10	4.23E-09	9.53E-11	5.46E-10	6.51E-11	7.06E-10	8.66E-11	2.86E-10	1.97E-11	3.92E-10
8361	470869.38	3819526.22	1.02E-09	4.27E-09	3.84E-10	5.67E-09	8.46E-10	3.14E-09	2.76E-10	4.26E-09	9.60E-11	5.49E-10	6.55E-11	7.11E-10	8.72E-11	2.88E-10	1.98E-11	3.95E-10
8362	470865.65	3819534.98	1.02E-09	4.29E-09	3.87E-10	5.70E-09	8.52E-10	3.16E-09	2.78E-10	4.29E-09	9.66E-11	5.53E-10	6.60E-11	7.15E-10	8.78E-11	2.89E-10	2.00E-11	3.97E-10
8363	470861.92	3819543.74	1.03E-09	4.32E-09	3.89E-10	5.74E-09	8.57E-10	3.17E-09	2.79E-10	4.31E-09	9.71E-11	5.56E-10	6.63E-11	7.19E-10	8.83E-11	2.91E-10	2.01E-11	3.99E-10
8364	470858.19	3819552.5	1.03E-09	4.34E-09	3.91E-10	5.76E-09	8.61E-10	3.19E-09	2.81E-10	4.33E-09	9.76E-11	5.59E-10	6.67E-11	7.23E-10	8.87E-11	2.93E-10	2.02E-11	4.01E-10
8365	470854.46	3819561.26	1.04E-09	4.36E-09	3.92E-10	5.79E-09	8.64E-10	3.20E-09	2.82E-10	4.35E-09	9.80E-11	5.61E-10	6.69E-11	7.26E-10	8.91E-11	2.94E-10	2.03E-11	4.03E-10
8366	470850.73	3819570.02	1.04E-09	4.37E-09	3.94E-10	5.81E-09	8.68E-10	3.21E-09	2.83E-10	4.36E-09	9.84E-11	5.63E-10	6.72E-11	7.29E-10	8.94E-11	2.95E-10	2.03E-11	4.05E-10
8367	470835.81	3819605.06	1.05E-09	4.41E-09	3.97E-10	5.86E-09	8.74E-10	3.24E-09	2.85E-10	4.40E-09	9.91E-11	5.67E-10	6.77E-11	7.34E-10	9.01E-11	2.97E-10	2.05E-11	4.08E-10
8368	470832.08	3819613.82	1.05E-09	4.41E-09	3.97E-10	5.86E-09	8.75E-10	3.24E-09	2.85E-10	4.40E-09	9.92E-11	5.68E-10	6.77E-11	7.35E-10	9.02E-11	2.97E-10	2.05E-11	4.08E-10
8369	470828.35	3819622.58	1.05E-09	4.41E-09	3.97E-10	5.86E-09	8.75E-10	3.24E-09	2.85E-10	4.40E-09	9.92E-11	5.68E-10	6.77E-11	7.35E-10	9.01E-11	2.97E-10	2.05E-11	4.08E-10
8370	470824.62	3819631.34	1.05E-09	4.41E-09	3.97E-10	5.85E-09	8.74E-10	3.24E-09	2.85E-10	4.40E-09	9.91E-11	5.67E-10	6.77E-11	7.34E-10	9.01E-11	2.97E-10	2.05E-11	4.08E-10
8371	470820.88	3819640.1	1.05E-09	4.40E-09	3.96E-10	5.85E-09	8.73E-10	3.23E-09	2.85E-10	4.39E-09	9.90E-11	5.67E-10	6.76E-11	7.33E-10	9.00E-11	2.97E-10	2.05E-11	4.07E-10
8372	470817.15	3819648.86	1.05E-09	4.39E-09	3.96E-10	5.84E-09	8.71E-10	3.23E-09	2.84E-10	4.38E-09	9.88E-11	5.66E-10	6.75E-11	7.32E-10	8.98E-11	2.96E-10	2.04E-11	4.06E-10
8373	470813.42	3819657.62	1.04E-09	4.38E-09	3.95E-10	5.82E-09	8.70E-10	3.22E-09	2.83E-10	4.37E-09	9.86E-11	5.64E-10	6.73E-11	7.30E-10	8.96E-11	2.96E-10	2.04E-11	4.06E-10
8374	470809.69	3819666.38	1.04E-09	4.37E-09	3.94E-10	5.81E-09	8.67E-10	3.21E-09	2.83E-10	4.36E-09	9.83E-11	5.63E-10	6.72E-11	7.28E-10	8.94E-11	2.95E-10	2.03E-11	4.04E-10
8375	470805.96	3819675.14	1.04E-09	4.36E-09	3.93E-10	5.79E-09	8.65E-10	3.20E-09	2.82E-10	4.35E-09	9.80E-11	5.61E-10	6.70E-11	7.26E-10	8.91E-11	2.94E-10	2.03E-11	4.03E-10
8376	470802.23	3819683.9	1.03E-09	4.34E-09	3.91E-10	5.77E-09	8.62E-10	3.19E-09	2.81E-10	4.33E-09	9.77E-11	5.59E-10	6.67E-11	7.24E-10	8.88E-11	2.93E-10	2.02E-11	4.02E-10
8377	470798.5	3819692.66	1.03E-09	4.33E-09	3.90E-10	5.75E-09	8.58E-10	3.18E-09	2.80E-10	4.32E-09	9.73E-11	5.57E-10	6.65E-11	7.21E-10	8.85E-11	2.92E-10	2.01E-11	4.00E-10
8378	470794.77	3819701.42	1.03E-09	4.31E-09	3.88E-10	5.72E-09	8.55E-10	3.17E-09	2.79E-10	4.30E-09	9.69E-11	5.55E-10	6.62E-11	7.18E-10	8.81E-11	2.90E-10	2.00E-11	3.99E-10
8379	470791.04	3819710.18	1.02E-09	4.29E-09	3.86E-10	5.70E-09	8.51E-10	3.15E-09	2.77E-10	4.28E-09	9.65E-11	5.52E-10	6.59E-11	7.15E-10	8.77E-11	2.89E-10	1.99E-11	3.97E-10
8380	470473.98	3819989.52	1.2E-09	5.04E-09	4.54E-10	6.69E-09	9.99E-10	3.70E-09	3.26E-10	5.03E-09	1.13E-10	6.49E-10	7.74E-11	8.39E-10	1.03E-10	3.40E-10	2.34E-11	4.66E-10
8381	470465.13	3819993.05	1.22E-09	5.11E-09	4.60E-10	6.79E-09	1.01E-09	3.75E-09	3.30E-10	5.10E-09	1.15E-10	6.58E-10	7.85E-11	8.51E-10	1.04E-10	3.44E-10	2.37E-11	4.73E-10
8382	470456.29	3819996.59	1.23E-09	5.18E-09	4.66E-10	6.88E-09	1.03E-09	3.80E-09	3.35E-10	5.17E-09	1.16E-10	6.67E-10	7.95E-11	8.62E-10	1.06E-10	3.49E-10	2.41E-11	4.79E-10
8383	470447.45	3820000.12	1.25E-09	5.25E-09	4.72E-10	6.97E-09	1.04E-09	3.86E-09	3.39E-10	5.23E-09	1.18E-10	6.75E-10	8.06E-11	8.74E-10	1.07E-10	3.54E-10	2.44E-11	4.85E-10
8384	470438.61	3820003.65	1.27E-09	5.31E-09	4.79E-10	7.06E-09	1.05E-09	3.90E-09	3.44E-10	5.30E-09	1.19E-10	6.84E-10	8.16E-11	8.85E-10	1.09E-10	3.58E-10	2.47E-11	4.92E-10
8385	470429.77	3820007.18	1.28E-09	5.38E-09	4.84E-10	7.15E-09	1.07E-09	3.95E-09	3.48E-10	5.37E-09	1.21E-10	6.93E-10	8.26E-11	8.96E-10	1.10E-10	3.63E-10	2.50E-11	4.98E-10
8386	470305.99	3820056.64	1.44E-09	6.04E-09	5.44E-10	8.02E-09	1.20E-09	4.44E-09	3.90E-10	6.02E-09	1.36E-10	7.77E-10	9.27E-11	1.01E-09	1.23E-10	4.07E-10	2.81E-11	5.58E-10
8387	470899.23	3819456.15	9.44E-10	3.96E-09	3.57E-10	5.27E-09	7.86E-10	2.91E-09	2.56E-10	3.96E-09	8.91E-11	5.10E-10	6.09E-11	6.60E-10	8.10E-11	2.67E-10	1.84E-11	3.67E-10
8388	470899.31	3819446.5	9.43E-10	3.96E-09	3.57E-10	5.26E-09	7.85E-10	2.91E-09	2.56E-10	3.95E-09	8.90E-11	5.10E-10	6.08E-11	6.59E-10	8.09E-11	2.67E-10	1.84E-11	3.66E-10
8389	470899.39	3819436.85	9.41E-10	3.95E-09	3.56E-10	5.25E-09	7.83E-10	2.90E-09	2.55E-10	3.94E-09	8.88E-11	5.08E-10	6.07E-11	6.58E-10	8.07E-11	2.66E-10	1.84E-11	3.65E-10
8390	470899.48	3819427.2	9.38E-10	3.94E-09	3.55E-10	5.23E-09	7.81E-10	2.89E-09	2.55E-10	3.93E-09	8.85E-11	5.07E-10	6.05E-11	6.56E-10	8.05E-11	2.65E-10	1.83E-11	3.64E-10
8391	470899.56	3819417.55	9.34E-10	3.92E-09	3.53E-10	5.21E-09	7.78E-10	2.88E-09	2.54E-10	3.91E-09	8.82E-11	5.05E-10	6.02E-11	6.53E-10	8.02E-11	2.64E-10	1.82E-11	3.63E-10
8392	470899.64	3819407.91	9.29E-10	3.90E-09	3.51E-10	5.18E-09	7.74E-10	2.87E-09	2.52E-10	3.89E-09	8.78E-11	5.02E-10	5.99E-11	6.50E-10	7.98E-11	2.63E-10	1.81E-11	3.61E-10
8393	470899.72	3819398.26	9.24E-10	3.88E-09	3.49E-10	5.15E-09	7.70E-10	2.85E-09	2.51E-10	3.87E-09	8.72E-11	4.99E-10	5.96E-11	6.46E-10	7.93E-11	2.62E-10	1.80E-11	3.59E-10
8394	470899.81	3819388.61	9.18E-10	3.85E-09	3.47E-10	5.12E-09	7.64E-10	2.83E-09	2.49E-10	3.85E-09	8.67E-11	4.96E-10	5.92E-11	6.42E-10	7.88E-11	2.60E-10	1.79E-11	3.56E-10
8395	470899.89	3819378.96	9.1E-10	3.82E-09	3.44E-10	5.08E-09	7.58E-10	2.81E-09	2.47E-10	3.82E-09	8.60E-11	4.92E-10	5.87E-11	6.37E-10	7.82E-11	2.58E-10	1.78E-11	3.54E-10
8396	470899.97	3819369.31	9.03E-10	3.79E-09	3.41E-10	5.03E-09	7.52E-10	2.79E-09	2.45E-10	3.78E-09	8.52E-11	4.88E-10	5.82E-11	6.31E-10	7.75E-11	2.55E-10	1.76E-11	3.51E-10

8397	470900.05	3819359.66	8.94E-10	3.75E-09	3.38E-10	4.99E-09	7.45E-10	2.76E-09	2.43E-10	3.75E-09	8.44E-11	4.83E-10	5.77E-11	6.25E-10	7.67E-11	2.53E-10	1.74E-11	3.47E-10
8398	470900.14	3819350.02	8.84E-10	3.71E-09	3.34E-10	4.93E-09	7.37E-10	2.73E-09	2.40E-10	3.71E-09	8.35E-11	4.78E-10	5.70E-11	6.19E-10	7.59E-11	2.50E-10	1.73E-11	3.44E-10
8399	470900.22	3819340.37	8.74E-10	3.67E-09	3.31E-10	4.88E-09	7.28E-10	2.70E-09	2.37E-10	3.66E-09	8.25E-11	4.73E-10	5.64E-11	6.11E-10	7.50E-11	2.47E-10	1.71E-11	3.40E-10
8400	470900.3	3819330.72	8.63E-10	3.62E-09	3.26E-10	4.81E-09	7.19E-10	2.66E-09	2.34E-10	3.62E-09	8.15E-11	4.66E-10	5.57E-11	6.04E-10	7.41E-11	2.44E-10	1.68E-11	3.35E-10
8401	470900.39	3819321.07	8.51E-10	3.57E-09	3.22E-10	4.75E-09	7.09E-10	2.63E-09	2.31E-10	3.57E-09	8.04E-11	4.60E-10	5.49E-11	5.95E-10	7.31E-11	2.41E-10	1.66E-11	3.31E-10
8402	470900.47	3819311.42	8.38E-10	3.52E-09	3.17E-10	4.68E-09	6.98E-10	2.59E-09	2.28E-10	3.51E-09	7.92E-11	4.53E-10	5.41E-11	5.86E-10	7.20E-11	2.37E-10	1.64E-11	3.26E-10
8403	470900.55	3819301.78	8.25E-10	3.46E-09	3.12E-10	4.60E-09	6.87E-10	2.55E-09	2.24E-10	3.46E-09	7.79E-11	4.46E-10	5.32E-11	5.77E-10	7.08E-11	2.33E-10	1.61E-11	3.20E-10
8404	470900.63	3819292.13	8.11E-10	3.40E-09	3.07E-10	4.52E-09	6.75E-10	2.50E-09	2.20E-10	3.40E-09	7.65E-11	4.38E-10	5.23E-11	5.67E-10	6.96E-11	2.29E-10	1.58E-11	3.15E-10
8405	470900.72	3819282.48	7.96E-10	3.34E-09	3.01E-10	4.44E-09	6.63E-10	2.46E-09	2.16E-10	3.33E-09	7.51E-11	4.30E-10	5.13E-11	5.57E-10	6.83E-11	2.25E-10	1.55E-11	3.09E-10
8406	470900.8	3819272.83	7.8E-10	3.28E-09	2.95E-10	4.35E-09	6.50E-10	2.41E-09	2.12E-10	3.27E-09	7.37E-11	4.22E-10	5.03E-11	5.46E-10	6.70E-11	2.21E-10	1.52E-11	3.03E-10
8407	470900.88	3819263.18	7.64E-10	3.21E-09	2.89E-10	4.26E-09	6.37E-10	2.36E-09	2.07E-10	3.20E-09	7.22E-11	4.13E-10	4.93E-11	5.35E-10	6.56E-11	2.16E-10	1.49E-11	2.97E-10
8408	470900.96	3819253.53	7.48E-10	3.14E-09	2.83E-10	4.17E-09	6.23E-10	2.31E-09	2.03E-10	3.13E-09	7.06E-11	4.04E-10	4.82E-11	5.23E-10	6.42E-11	2.12E-10	1.46E-11	2.90E-10
8409	470901.05	3819243.89	7.31E-10	3.07E-09	2.76E-10	4.08E-09	6.09E-10	2.25E-09	1.98E-10	3.06E-09	6.90E-11	3.95E-10	4.71E-11	5.11E-10	6.27E-11	2.07E-10	1.43E-11	2.84E-10
8410	470935.48	3819465.29	8.51E-10	3.57E-09	3.22E-10	4.75E-09	7.09E-10	2.63E-09	2.31E-10	3.57E-09	8.04E-11	4.60E-10	5.49E-11	5.95E-10	7.30E-11	2.41E-10	1.66E-11	3.31E-10
8411	470931.73	3819474.08	8.6E-10	3.61E-09	3.25E-10	4.80E-09	7.16E-10	2.65E-09	2.34E-10	3.60E-09	8.12E-11	4.65E-10	5.55E-11	6.02E-10	7.38E-11	2.43E-10	1.68E-11	3.34E-10
8412	470927.99	3819482.88	8.69E-10	3.65E-09	3.29E-10	4.85E-09	7.24E-10	2.68E-09	2.36E-10	3.64E-09	8.21E-11	4.70E-10	5.61E-11	6.08E-10	7.46E-11	2.46E-10	1.70E-11	3.38E-10
8413	470924.24	3819491.68	8.77E-10	3.68E-09	3.32E-10	4.89E-09	7.31E-10	2.71E-09	2.38E-10	3.68E-09	8.29E-11	4.74E-10	5.66E-11	6.14E-10	7.53E-11	2.48E-10	1.71E-11	3.41E-10
8414	470920.49	3819500.47	8.85E-10	3.72E-09	3.35E-10	4.94E-09	7.37E-10	2.73E-09	2.40E-10	3.71E-09	8.36E-11	4.79E-10	5.71E-11	6.19E-10	7.60E-11	2.51E-10	1.73E-11	3.44E-10
8415	470916.75	3819509.27	8.93E-10	3.75E-09	3.38E-10	4.98E-09	7.44E-10	2.76E-09	2.42E-10	3.74E-09	8.43E-11	4.83E-10	5.76E-11	6.25E-10	7.67E-11	2.53E-10	1.74E-11	3.47E-10
8416	470913	3819518.07	9E-10	3.78E-09	3.40E-10	5.02E-09	7.50E-10	2.78E-09	2.44E-10	3.77E-09	8.50E-11	4.87E-10	5.81E-11	6.30E-10	7.73E-11	2.55E-10	1.76E-11	3.50E-10
8417	470909.25	3819526.87	9.07E-10	3.81E-09	3.43E-10	5.06E-09	7.55E-10	2.80E-09	2.46E-10	3.80E-09	8.56E-11	4.90E-10	5.85E-11	6.34E-10	7.78E-11	2.57E-10	1.77E-11	3.52E-10
8418	470905.51	3819535.66	9.13E-10	3.83E-09	3.45E-10	5.09E-09	7.60E-10	2.82E-09	2.48E-10	3.82E-09	8.62E-11	4.93E-10	5.89E-11	6.38E-10	7.83E-11	2.58E-10	1.78E-11	3.54E-10
8419	470901.76	3819544.46	9.18E-10	3.86E-09	3.47E-10	5.12E-09	7.65E-10	2.83E-09	2.49E-10	3.85E-09	8.67E-11	4.96E-10	5.92E-11	6.42E-10	7.88E-11	2.60E-10	1.79E-11	3.57E-10
8420	470898.01	3819553.26	9.23E-10	3.88E-09	3.49E-10	5.15E-09	7.69E-10	2.85E-09	2.51E-10	3.87E-09	8.72E-11	4.99E-10	5.95E-11	6.46E-10	7.93E-11	2.61E-10	1.80E-11	3.59E-10
8421	470894.27	3819562.06	9.28E-10	3.90E-09	3.51E-10	5.17E-09	7.73E-10	2.86E-09	2.52E-10	3.89E-09	8.76E-11	5.02E-10	5.98E-11	6.49E-10	7.96E-11	2.63E-10	1.81E-11	3.60E-10
8422	470890.52	3819570.85	9.32E-10	3.91E-09	3.52E-10	5.20E-09	7.76E-10	2.88E-09	2.53E-10	3.90E-09	8.80E-11	5.04E-10	6.01E-11	6.52E-10	8.00E-11	2.64E-10	1.82E-11	3.62E-10
8423	470886.77	3819579.65	9.35E-10	3.93E-09	3.54E-10	5.22E-09	7.79E-10	2.89E-09	2.54E-10	3.92E-09	8.83E-11	5.06E-10	6.03E-11	6.54E-10	8.03E-11	2.65E-10	1.82E-11	3.63E-10
8424	470883.03	3819588.45	9.38E-10	3.94E-09	3.55E-10	5.23E-09	7.81E-10	2.89E-09	2.55E-10	3.93E-09	8.86E-11	5.07E-10	6.05E-11	6.56E-10	8.05E-11	2.66E-10	1.83E-11	3.64E-10
8425	470879.28	3819597.24	9.4E-10	3.95E-09	3.56E-10	5.25E-09	7.83E-10	2.90E-09	2.55E-10	3.94E-09	8.88E-11	5.08E-10	6.07E-11	6.58E-10	8.07E-11	2.66E-10	1.83E-11	3.65E-10
8426	470864.3	3819632.43	9.44E-10	3.97E-09	3.57E-10	5.27E-09	7.87E-10	2.91E-09	2.56E-10	3.96E-09	8.92E-11	5.11E-10	6.09E-11	6.61E-10	8.11E-11	2.67E-10	1.84E-11	3.67E-10
8427	470860.55	3819641.23	9.44E-10	3.97E-09	3.57E-10	5.27E-09	7.86E-10	2.91E-09	2.56E-10	3.96E-09	8.92E-11	5.10E-10	6.09E-11	6.60E-10	8.11E-11	2.67E-10	1.84E-11	3.67E-10
8428	470856.8	3819650.03	9.43E-10	3.96E-09	3.57E-10	5.26E-09	7.86E-10	2.91E-09	2.56E-10	3.95E-09	8.91E-11	5.10E-10	6.09E-11	6.60E-10	8.10E-11	2.67E-10	1.84E-11	3.66E-10
8429	470853.06	3819658.82	9.42E-10	3.96E-09	3.56E-10	5.26E-09	7.85E-10	2.91E-09	2.56E-10	3.95E-09	8.90E-11	5.09E-10	6.08E-11	6.59E-10	8.09E-11	2.67E-10	1.84E-11	3.66E-10
8430	470849.31	3819667.62	9.41E-10	3.95E-09	3.56E-10	5.25E-09	7.84E-10	2.90E-09	2.55E-10	3.94E-09	8.88E-11	5.09E-10	6.07E-11	6.58E-10	8.08E-11	2.66E-10	1.84E-11	3.65E-10
8431	470845.56	3819676.42	9.39E-10	3.94E-09	3.55E-10	5.24E-09	7.82E-10	2.90E-09	2.55E-10	3.93E-09	8.86E-11	5.07E-10	6.05E-11	6.57E-10	8.06E-11	2.66E-10	1.83E-11	3.65E-10
8432	470841.82	3819685.22	9.36E-10	3.93E-09	3.54E-10	5.22E-09	7.80E-10	2.89E-09	2.54E-10	3.92E-09	8.84E-11	5.06E-10	6.04E-11	6.55E-10	8.04E-11	2.65E-10	1.83E-11	3.64E-10
8433	470838.07	3819694.01	9.34E-10	3.92E-09	3.53E-10	5.21E-09	7.78E-10	2.88E-09	2.53E-10	3.91E-09	8.82E-11	5.05E-10	6.02E-11	6.53E-10	8.01E-11	2.64E-10	1.82E-11	3.63E-10
8434	470834.32	3819702.81	9.31E-10	3.91E-09	3.52E-10	5.19E-09	7.75E-10	2.87E-09	2.53E-10	3.90E-09	8.79E-11	5.03E-10	6.00E-11	6.51E-10	7.99E-11	2.63E-10	1.82E-11	3.61E-10
8435	470830.58	3819711.61	9.27E-10	3.89E-09	3.51E-10	5.17E-09	7.72E-10	2.86E-09	2.52E-10	3.89E-09	8.76E-11	5.01E-10	5.98E-11	6.49E-10	7.96E-11	2.62E-10	1.81E-11	3.60E-10
8436	470826.83	3819720.4	9.24E-10	3.88E-09	3.49E-10	5.15E-09	7.69E-10	2.85E-09	2.51E-10	3.87E-09	8.72E-11	4.99E-10	5.96E-11	6.46E-10	7.93E-11	2.61E-10	1.80E-11	3.59E-10
8437	470403.25	3820057.55	1.22E-09	5.11E-09	4.60E-10	6.78E-09	1.01E-09	3.75E-09	3.30E-10	5.09E-09	1.15E-10	6.57E-10	7.84E-11	8.50E-10	1.04E-10	3.44E-10	2.37E-11	4.72E-10
8438	470394.37	3820061.1	1.23E-09	5.15E-09	4.64E-10	6.84E-09	1.02E-09	3.79E-09	3.33E-10	5.14E-09	1.16E-10	6.63E-10	7.91E-11	8.58E-10	1.05E-10	3.47E-10	2.39E-11	4.77E-10
8439	470385.49	3820064.65	1.24E-09	5.20E-09	4.68E-10	6.90E-09	1.03E-09	3.82E-09	3.36E-10	5.18E-09	1.17E-10	6.69E-10	7.98E-11	8.66E-10	1.06E-10	3.50E-10	2.41E-11	4.81E-10
8440	470376.61	3820068.19	1.25E-09	5.24E-09	4.72E-10	6.96E-09	1.04E-09	3.85E-09	3.39E-10	5.23E-09	1.18E-10	6.74E-10	8.05E-11	8.73E-10	1.07E-10	3.53E-10	2.43E-11	4.84E-10
8441	470367.73	3820071.74	1.26E-09	5.28E-09	4.75E-10	7.01E-09	1.05E-09	3.88E-09	3.41E-10	5.27E-09	1.19E-10	6.79E-10	8.11E-11	8.79E-10	1.08E-10	3.56E-10	2.45E-11	4.88E-10
8442	470358.86	3820075.29	1.27E-09	5.31E-09	4.79E-10	7.06E-09	1.05E-09	3.90E-09	3.44E-10	5.30E-09	1.20E-10	6.84E-10	8.16E-11	8.85E-10	1.09E-10	3.58E-10	2.47E-11	4.92E-10
8443	470349.98	3820078.84	1.27E-09	5.35E-09	4.82E-10	7.10E-09	1.06E-09	3.93E-09	3.46E-10	5.34E-09	1.20E-10	6.89E-10	8.22E-11	8.91E-10	1.09E-10	3.61E-10	2.49E-11	4.95E-10
8444	470341.1	3820082.38	1.28E-09	5.38E-09	4.85E-10	7.15E-09	1.07E-09	3.96E-09	3.48E-10	5.37E-09	1.21E-10	6.93E-10	8.27E-11	8.97E-10	1.10E-10	3.63E-10	2.50E-11	4.98E-10
8445	470332.22	3820085.93	1.29E-09	5.41E-09	4.88E-10	7.19E-09	1.07E-09	3.98E-09	3.50E-10	5.40E-09	1.22E-10	6.97E-10	8.31E-11	9.02E-10	1.11E-10	3.65E-10	2.52E-11	5.01E-10
8446	470323.34	3820089.48	1.3E-09	5.44E-09	4.90E-10	7.23E-09	1.08E-09	4.00E-09	3.52E-10	5.43E-09	1.22E-10	7.01E-10	8.36E-11	9.07E-10	1.11E-10	3.67E-10	2.53E-11	5.03E-10

8447	470314.46	3820093.03	1.3E-09	5.47E-09	4.93E-10	7.27E-09	1.08E-09	4.02E-09	3.54E-10	5.46E-09	1.23E-10	7.04E-10	8.40E-11	9.11E-10	1.12E-10	3.69E-10	2.54E-11	5.06E-10
8448	470305.58	3820096.58	1.31E-09	5.50E-09	4.95E-10	7.30E-09	1.09E-09	4.04E-09	3.55E-10	5.48E-09	1.24E-10	7.08E-10	8.44E-11	9.16E-10	1.12E-10	3.70E-10	2.55E-11	5.08E-10
8449	470939.23	3819456.49	8.41E-10	3.53E-09	3.18E-10	4.69E-09	7.01E-10	2.60E-09	2.28E-10	3.53E-09	7.94E-11	4.55E-10	5.43E-11	5.89E-10	7.22E-11	2.38E-10	1.64E-11	3.27E-10
8450	470939.31	3819446.84	8.4E-10	3.53E-09	3.18E-10	4.68E-09	6.99E-10	2.59E-09	2.28E-10	3.52E-09	7.93E-11	4.54E-10	5.42E-11	5.87E-10	7.21E-11	2.38E-10	1.64E-11	3.26E-10
8451	470939.39	3819437.19	8.38E-10	3.52E-09	3.17E-10	4.67E-09	6.98E-10	2.58E-09	2.27E-10	3.51E-09	7.91E-11	4.53E-10	5.40E-11	5.86E-10	7.19E-11	2.37E-10	1.63E-11	3.25E-10
8452	470939.47	3819427.54	8.35E-10	3.51E-09	3.16E-10	4.66E-09	6.95E-10	2.58E-09	2.27E-10	3.50E-09	7.88E-11	4.51E-10	5.38E-11	5.84E-10	7.17E-11	2.36E-10	1.63E-11	3.24E-10
8453	470939.56	3819417.9	8.31E-10	3.49E-09	3.14E-10	4.64E-09	6.93E-10	2.57E-09	2.26E-10	3.48E-09	7.85E-11	4.49E-10	5.36E-11	5.82E-10	7.14E-11	2.35E-10	1.62E-11	3.23E-10
8454	470939.64	3819408.25	8.27E-10	3.47E-09	3.13E-10	4.61E-09	6.89E-10	2.55E-09	2.25E-10	3.47E-09	7.81E-11	4.47E-10	5.34E-11	5.79E-10	7.10E-11	2.34E-10	1.61E-11	3.21E-10
8455	470939.72	3819398.6	8.23E-10	3.45E-09	3.11E-10	4.59E-09	6.85E-10	2.54E-09	2.23E-10	3.45E-09	7.77E-11	4.45E-10	5.31E-11	5.75E-10	7.06E-11	2.33E-10	1.61E-11	3.20E-10
8456	470939.8	3819388.95	8.17E-10	3.43E-09	3.09E-10	4.56E-09	6.81E-10	2.52E-09	2.22E-10	3.42E-09	7.72E-11	4.42E-10	5.27E-11	5.72E-10	7.02E-11	2.31E-10	1.59E-11	3.17E-10
8457	470939.89	3819379.3	8.11E-10	3.41E-09	3.07E-10	4.52E-09	6.76E-10	2.50E-09	2.20E-10	3.40E-09	7.66E-11	4.39E-10	5.23E-11	5.67E-10	6.96E-11	2.30E-10	1.58E-11	3.15E-10
8458	470939.97	3819369.66	8.04E-10	3.38E-09	3.04E-10	4.49E-09	6.70E-10	2.48E-09	2.18E-10	3.37E-09	7.60E-11	4.35E-10	5.19E-11	5.63E-10	6.91E-11	2.28E-10	1.57E-11	3.12E-10
8459	470940.05	3819360.01	7.97E-10	3.35E-09	3.01E-10	4.45E-09	6.64E-10	2.46E-09	2.16E-10	3.34E-09	7.53E-11	4.31E-10	5.14E-11	5.58E-10	6.84E-11	2.26E-10	1.56E-11	3.10E-10
8460	470940.14	3819350.36	7.89E-10	3.31E-09	2.98E-10	4.40E-09	6.57E-10	2.43E-09	2.14E-10	3.31E-09	7.45E-11	4.26E-10	5.09E-11	5.52E-10	6.77E-11	2.23E-10	1.54E-11	3.06E-10
8461	470940.22	3819340.71	7.8E-10	3.28E-09	2.95E-10	4.35E-09	6.50E-10	2.41E-09	2.12E-10	3.27E-09	7.37E-11	4.22E-10	5.03E-11	5.46E-10	6.70E-11	2.21E-10	1.52E-11	3.03E-10
8462	470940.3	3819331.06	7.71E-10	3.24E-09	2.91E-10	4.30E-09	6.42E-10	2.38E-09	2.09E-10	3.23E-09	7.28E-11	4.17E-10	4.97E-11	5.39E-10	6.62E-11	2.18E-10	1.50E-11	2.99E-10
8463	470940.38	3819321.41	7.61E-10	3.19E-09	2.88E-10	4.24E-09	6.34E-10	2.35E-09	2.06E-10	3.19E-09	7.18E-11	4.11E-10	4.91E-11	5.32E-10	6.53E-11	2.15E-10	1.48E-11	2.95E-10
8464	470940.47	3819311.77	7.5E-10	3.15E-09	2.84E-10	4.18E-09	6.25E-10	2.31E-09	2.04E-10	3.14E-09	7.08E-11	4.05E-10	4.84E-11	5.25E-10	6.44E-11	2.12E-10	1.46E-11	2.91E-10
8465	470940.55	3819302.12	7.39E-10	3.10E-09	2.79E-10	4.12E-09	6.15E-10	2.28E-09	2.00E-10	3.09E-09	6.97E-11	3.99E-10	4.76E-11	5.17E-10	6.34E-11	2.09E-10	1.44E-11	2.87E-10
8466	470940.63	3819292.47	7.26E-10	3.05E-09	2.75E-10	4.05E-09	6.05E-10	2.24E-09	1.97E-10	3.04E-09	6.86E-11	3.93E-10	4.69E-11	5.08E-10	6.24E-11	2.06E-10	1.42E-11	2.82E-10
8467	470940.71	3819282.82	7.14E-10	3.00E-09	2.70E-10	3.98E-09	5.95E-10	2.20E-09	1.94E-10	2.99E-09	6.74E-11	3.86E-10	4.60E-11	4.99E-10	6.13E-11	2.02E-10	1.39E-11	2.77E-10
8468	470940.8	3819273.17	7.01E-10	2.94E-09	2.65E-10	3.91E-09	5.84E-10	2.16E-09	1.90E-10	2.94E-09	6.62E-11	3.79E-10	4.52E-11	4.90E-10	6.02E-11	1.98E-10	1.37E-11	2.72E-10
8469	470940.88	3819263.53	6.87E-10	2.89E-09	2.60E-10	3.83E-09	5.73E-10	2.12E-09	1.87E-10	2.88E-09	6.49E-11	3.72E-10	4.43E-11	4.81E-10	5.90E-11	1.95E-10	1.34E-11	2.67E-10
8470	470940.96	3819253.88	6.73E-10	2.83E-09	2.55E-10	3.76E-09	5.61E-10	2.08E-09	1.83E-10	2.82E-09	6.36E-11	3.64E-10	4.34E-11	4.71E-10	5.78E-11	1.91E-10	1.31E-11	2.62E-10
8471	470941.05	3819244.23	6.59E-10	2.77E-09	2.49E-10	3.68E-09	5.49E-10	2.03E-09	1.79E-10	2.76E-09	6.22E-11	3.56E-10	4.25E-11	4.61E-10	5.66E-11	1.87E-10	1.29E-11	2.56E-10
8472	470975.46	3819465.66	7.63E-10	3.20E-09	2.88E-10	4.25E-09	6.35E-10	2.35E-09	2.07E-10	3.20E-09	7.20E-11	4.12E-10	4.92E-11	5.33E-10	6.55E-11	2.16E-10	1.49E-11	2.96E-10
8473	470971.7	3819474.49	7.71E-10	3.24E-09	2.91E-10	4.30E-09	6.42E-10	2.38E-09	2.09E-10	3.23E-09	7.28E-11	4.17E-10	4.97E-11	5.39E-10	6.62E-11	2.18E-10	1.50E-11	2.99E-10
8474	470967.94	3819483.32	7.79E-10	3.27E-09	2.94E-10	4.34E-09	6.49E-10	2.40E-09	2.11E-10	3.26E-09	7.35E-11	4.21E-10	5.02E-11	5.45E-10	6.68E-11	2.20E-10	1.52E-11	3.02E-10
8475	470964.18	3819492.15	7.86E-10	3.30E-09	2.97E-10	4.39E-09	6.55E-10	2.43E-09	2.13E-10	3.29E-09	7.42E-11	4.25E-10	5.07E-11	5.50E-10	6.75E-11	2.23E-10	1.53E-11	3.05E-10
8476	470960.42	3819500.98	7.93E-10	3.33E-09	3.00E-10	4.43E-09	6.61E-10	2.45E-09	2.15E-10	3.32E-09	7.49E-11	4.29E-10	5.12E-11	5.55E-10	6.81E-11	2.25E-10	1.55E-11	3.08E-10
8477	470956.66	3819509.81	8E-10	3.36E-09	3.03E-10	4.46E-09	6.67E-10	2.47E-09	2.17E-10	3.35E-09	7.56E-11	4.33E-10	5.16E-11	5.60E-10	6.87E-11	2.27E-10	1.56E-11	3.11E-10
8478	470952.9	3819518.65	8.07E-10	3.39E-09	3.05E-10	4.50E-09	6.72E-10	2.49E-09	2.19E-10	3.38E-09	7.62E-11	4.36E-10	5.20E-11	5.64E-10	6.93E-11	2.28E-10	1.57E-11	3.13E-10
8479	470949.14	3819527.48	8.13E-10	3.41E-09	3.07E-10	4.53E-09	6.77E-10	2.51E-09	2.21E-10	3.41E-09	7.68E-11	4.39E-10	5.24E-11	5.69E-10	6.98E-11	2.30E-10	1.59E-11	3.16E-10
8480	470945.38	3819536.31	8.19E-10	3.44E-09	3.10E-10	4.57E-09	6.82E-10	2.53E-09	2.22E-10	3.43E-09	7.73E-11	4.43E-10	5.28E-11	5.73E-10	7.03E-11	2.32E-10	1.60E-11	3.18E-10
8481	470941.62	3819545.14	8.24E-10	3.46E-09	3.12E-10	4.60E-09	6.86E-10	2.54E-09	2.24E-10	3.45E-09	7.78E-11	4.45E-10	5.31E-11	5.76E-10	7.07E-11	2.33E-10	1.61E-11	3.20E-10
8482	470937.86	3819553.97	8.29E-10	3.48E-09	3.13E-10	4.62E-09	6.90E-10	2.56E-09	2.25E-10	3.47E-09	7.83E-11	4.48E-10	5.35E-11	5.80E-10	7.12E-11	2.35E-10	1.62E-11	3.22E-10
8483	470934.1	3819562.8	8.33E-10	3.50E-09	3.15E-10	4.65E-09	6.94E-10	2.57E-09	2.26E-10	3.49E-09	7.87E-11	4.51E-10	5.37E-11	5.83E-10	7.15E-11	2.36E-10	1.63E-11	3.24E-10
8484	470930.34	3819571.63	8.37E-10	3.52E-09	3.17E-10	4.67E-09	6.97E-10	2.58E-09	2.27E-10	3.51E-09	7.91E-11	4.53E-10	5.40E-11	5.86E-10	7.19E-11	2.37E-10	1.63E-11	3.25E-10
8485	470926.57	3819580.46	8.41E-10	3.53E-09	3.18E-10	4.69E-09	7.00E-10	2.60E-09	2.28E-10	3.52E-09	7.94E-11	4.55E-10	5.42E-11	5.88E-10	7.22E-11	2.38E-10	1.64E-11	3.27E-10
8486	470922.81	3819589.29	8.44E-10	3.55E-09	3.19E-10	4.71E-09	7.03E-10	2.60E-09	2.29E-10	3.54E-09	7.97E-11	4.56E-10	5.44E-11	5.91E-10	7.25E-11	2.39E-10	1.65E-11	3.28E-10
8487	470919.05	3819598.12	8.47E-10	3.56E-09	3.20E-10	4.72E-09	7.05E-10	2.61E-09	2.30E-10	3.55E-09	8.00E-11	4.58E-10	5.46E-11	5.92E-10	7.27E-11	2.40E-10	1.65E-11	3.29E-10
8488	470915.29	3819606.95	8.49E-10	3.57E-09	3.21E-10	4.74E-09	7.07E-10	2.62E-09	2.31E-10	3.56E-09	8.02E-11	4.59E-10	5.48E-11	5.94E-10	7.29E-11	2.40E-10	1.66E-11	3.30E-10
8489	470911.53	3819615.78	8.51E-10	3.57E-09	3.22E-10	4.75E-09	7.09E-10	2.63E-09	2.31E-10	3.57E-09	8.04E-11	4.60E-10	5.49E-11	5.95E-10	7.31E-11	2.41E-10	1.66E-11	3.31E-10
8490	470907.77	3819624.61	8.52E-10	3.58E-09	3.22E-10	4.75E-09	7.10E-10	2.63E-09	2.31E-10	3.57E-09	8.05E-11	4.61E-10	5.50E-11	5.96E-10	7.32E-11	2.41E-10	1.66E-11	3.31E-10
8491	470896.49	3819651.1	8.54E-10	3.59E-09	3.23E-10	4.76E-09	7.11E-10	2.63E-09	2.32E-10	3.58E-09	8.06E-11	4.62E-10	5.51E-11	5.97E-10	7.33E-11	2.42E-10	1.67E-11	3.32E-10
8492	470892.73	3819659.93	8.54E-10	3.58E-09	3.23E-10	4.76E-09	7.11E-10	2.63E-09	2.32E-10	3.58E-09	8.06E-11	4.61E-10	5.51E-11	5.97E-10	7.33E-11	2.42E-10	1.67E-11	3.32E-10
8493	470888.97	3819668.76	8.53E-10	3.58E-09	3.23E-10	4.76E-09	7.10E-10	2.63E-09	2.32E-10	3.57E-09	8.05E-11	4.61E-10	5.50E-11	5.97E-10	7.32E-11	2.41E-10	1.66E-11	3.31E-10
8494	470885.21	3819677.59	8.52E-10	3.58E-09	3.22E-10	4.75E-09	7.09E-10	2.63E-09	2.31E-10	3.57E-09	8.04E-11	4.60E-10	5.49E-11	5.96E-10	7.31E-11	2.41E-10	1.66E-11	3.31E-10
8495	470881.45	3819686.43	8.5E-10	3.57E-09	3.22E-10	4.74E-09	7.08E-10	2.62E-09	2.31E-10	3.56E-09	8.03E-11	4.60E-10	5.48E-11	5.95E-10	7.30E-11	2.41E-10	1.66E-11	3.30E-10
8496	470877.69	3819695.26	8.49E-10	3.56E-09	3.21E-10	4.73E-09	7.07E-10	2.62E-09	2.30E-10	3.56E-09	8.01E-11	4.59E-10	5.47E-11	5.94E-10	7.29E-11	2.40E-10	1.66E-11	3.30E-10

8497	470873.93	3819704.09	8.47E-10	3.56E-09	3.20E-10	4.72E-09	7.05E-10	2.61E-09	2.30E-10	3.55E-09	7.99E-11	4.58E-10	5.46E-11	5.92E-10	7.27E-11	2.40E-10	1.65E-11	3.29E-10
8498	470870.16	3819712.92	8.44E-10	3.55E-09	3.19E-10	4.71E-09	7.03E-10	2.61E-09	2.29E-10	3.54E-09	7.97E-11	4.56E-10	5.45E-11	5.91E-10	7.25E-11	2.39E-10	1.65E-11	3.28E-10
8499	470866.4	3819721.75	8.42E-10	3.53E-09	3.18E-10	4.69E-09	7.01E-10	2.60E-09	2.28E-10	3.53E-09	7.95E-11	4.55E-10	5.43E-11	5.89E-10	7.23E-11	2.38E-10	1.64E-11	3.27E-10
8500	470862.64	3819730.58	8.39E-10	3.52E-09	3.17E-10	4.68E-09	6.99E-10	2.59E-09	2.28E-10	3.52E-09	7.92E-11	4.53E-10	5.41E-11	5.87E-10	7.20E-11	2.37E-10	1.64E-11	3.26E-10
8501	470858.88	3819739.41	8.36E-10	3.51E-09	3.16E-10	4.66E-09	6.96E-10	2.58E-09	2.27E-10	3.50E-09	7.89E-11	4.52E-10	5.39E-11	5.85E-10	7.18E-11	2.37E-10	1.63E-11	3.25E-10
8502	470855.12	3819748.24	8.33E-10	3.50E-09	3.15E-10	4.64E-09	6.93E-10	2.57E-09	2.26E-10	3.49E-09	7.86E-11	4.50E-10	5.37E-11	5.82E-10	7.15E-11	2.36E-10	1.62E-11	3.23E-10
8503	470851.36	3819757.07	8.29E-10	3.48E-09	3.14E-10	4.63E-09	6.91E-10	2.56E-09	2.25E-10	3.47E-09	7.83E-11	4.48E-10	5.35E-11	5.80E-10	7.12E-11	2.35E-10	1.62E-11	3.22E-10
8504	470581.46	3820026.12	8.83E-10	3.71E-09	3.34E-10	4.93E-09	7.36E-10	2.73E-09	2.40E-10	3.70E-09	8.34E-11	4.77E-10	5.70E-11	6.18E-10	7.58E-11	2.50E-10	1.72E-11	3.43E-10
8505	470572.54	3820029.68	8.94E-10	3.76E-09	3.38E-10	4.99E-09	7.45E-10	2.76E-09	2.43E-10	3.75E-09	8.45E-11	4.83E-10	5.77E-11	6.26E-10	7.68E-11	2.53E-10	1.75E-11	3.47E-10
8506	470563.63	3820033.25	9.06E-10	3.80E-09	3.43E-10	5.05E-09	7.55E-10	2.80E-09	2.46E-10	3.80E-09	8.55E-11	4.90E-10	5.84E-11	6.34E-10	7.78E-11	2.56E-10	1.77E-11	3.52E-10
8507	470554.72	3820036.81	9.18E-10	3.85E-09	3.47E-10	5.12E-09	7.64E-10	2.83E-09	2.49E-10	3.85E-09	8.67E-11	4.96E-10	5.92E-11	6.42E-10	7.88E-11	2.60E-10	1.79E-11	3.56E-10
8508	470545.8	3820040.37	9.3E-10	3.90E-09	3.52E-10	5.19E-09	7.74E-10	2.87E-09	2.52E-10	3.90E-09	8.78E-11	5.03E-10	6.00E-11	6.50E-10	7.98E-11	2.63E-10	1.81E-11	3.61E-10
8509	470536.89	3820043.93	9.42E-10	3.96E-09	3.56E-10	5.25E-09	7.85E-10	2.91E-09	2.56E-10	3.95E-09	8.89E-11	5.09E-10	6.08E-11	6.59E-10	8.09E-11	2.67E-10	1.84E-11	3.66E-10
8510	470527.98	3820047.49	9.54E-10	4.01E-09	3.61E-10	5.32E-09	7.95E-10	2.95E-09	2.59E-10	4.00E-09	9.01E-11	5.16E-10	6.16E-11	6.68E-10	8.19E-11	2.70E-10	1.86E-11	3.71E-10
8511	470519.07	3820051.05	9.67E-10	4.06E-09	3.66E-10	5.40E-09	8.06E-10	2.99E-09	2.63E-10	4.05E-09	9.14E-11	5.23E-10	6.24E-11	6.77E-10	8.31E-11	2.74E-10	1.89E-11	3.76E-10
8512	470510.15	3820054.61	9.81E-10	4.12E-09	3.71E-10	5.47E-09	8.17E-10	3.03E-09	2.66E-10	4.11E-09	9.26E-11	5.30E-10	6.32E-11	6.86E-10	8.42E-11	2.78E-10	1.91E-11	3.81E-10
8513	470501.24	3820058.17	9.94E-10	4.17E-09	3.76E-10	5.54E-09	8.28E-10	3.07E-09	2.70E-10	4.16E-09	9.38E-11	5.37E-10	6.41E-11	6.95E-10	8.53E-11	2.81E-10	1.94E-11	3.86E-10
8514	470492.33	3820061.73	1.01E-09	4.23E-09	3.81E-10	5.61E-09	8.38E-10	3.11E-09	2.73E-10	4.22E-09	9.50E-11	5.44E-10	6.49E-11	7.04E-10	8.64E-11	2.85E-10	1.96E-11	3.91E-10
8515	470483.41	3820065.3	1.02E-09	4.28E-09	3.85E-10	5.68E-09	8.49E-10	3.14E-09	2.77E-10	4.27E-09	9.62E-11	5.51E-10	6.57E-11	7.13E-10	8.75E-11	2.88E-10	1.99E-11	3.96E-10
8516	470474.5	3820068.86	1.03E-09	4.33E-09	3.90E-10	5.75E-09	8.59E-10	3.18E-09	2.80E-10	4.32E-09	9.74E-11	5.58E-10	6.65E-11	7.22E-10	8.86E-11	2.92E-10	2.01E-11	4.01E-10
8517	470465.59	3820072.42	1.04E-09	4.38E-09	3.95E-10	5.82E-09	8.69E-10	3.22E-09	2.83E-10	4.37E-09	9.86E-11	5.64E-10	6.73E-11	7.30E-10	8.96E-11	2.95E-10	2.04E-11	4.05E-10
8518	470456.68	3820075.98	1.06E-09	4.44E-09	3.99E-10	5.89E-09	8.80E-10	3.26E-09	2.87E-10	4.43E-09	9.97E-11	5.71E-10	6.81E-11	7.39E-10	9.07E-11	2.99E-10	2.06E-11	4.10E-10
8519	470447.76	3820079.54	1.07E-09	4.49E-09	4.04E-10	5.96E-09	8.90E-10	3.30E-09	2.90E-10	4.48E-09	1.01E-10	5.77E-10	6.89E-11	7.47E-10	9.17E-11	3.02E-10	2.08E-11	4.15E-10
8520	470438.85	3820083.1	1.08E-09	4.53E-09	4.08E-10	6.02E-09	8.99E-10	3.33E-09	2.93E-10	4.52E-09	1.02E-10	5.84E-10	6.96E-11	7.55E-10	9.27E-11	3.06E-10	2.11E-11	4.19E-10
8521	470429.94	3820086.66	1.09E-09	4.58E-09	4.12E-10	6.08E-09	9.08E-10	3.37E-09	2.96E-10	4.57E-09	1.03E-10	5.90E-10	7.03E-11	7.63E-10	9.36E-11	3.09E-10	2.13E-11	4.24E-10
8522	470421.02	3820090.22	1.1E-09	4.62E-09	4.17E-10	6.14E-09	9.17E-10	3.40E-09	2.99E-10	4.61E-09	1.04E-10	5.95E-10	7.10E-11	7.70E-10	9.45E-11	3.12E-10	2.15E-11	4.28E-10
8523	470412.11	3820093.78	1.11E-09	4.67E-09	4.20E-10	6.20E-09	9.26E-10	3.43E-09	3.02E-10	4.66E-09	1.05E-10	6.01E-10	7.17E-11	7.77E-10	9.54E-11	3.15E-10	2.17E-11	4.32E-10
8524	470403.2	3820097.35	1.12E-09	4.71E-09	4.24E-10	6.25E-09	9.34E-10	3.46E-09	3.04E-10	4.70E-09	1.06E-10	6.06E-10	7.23E-11	7.84E-10	9.62E-11	3.17E-10	2.19E-11	4.35E-10
8525	470394.29	3820100.91	1.13E-09	4.74E-09	4.27E-10	6.30E-09	9.41E-10	3.49E-09	3.07E-10	4.73E-09	1.07E-10	6.11E-10	7.29E-11	7.90E-10	9.70E-11	3.20E-10	2.20E-11	4.39E-10
8526	470385.37	3820104.47	1.14E-09	4.78E-09	4.30E-10	6.35E-09	9.48E-10	3.51E-09	3.09E-10	4.77E-09	1.07E-10	6.15E-10	7.34E-11	7.96E-10	9.77E-11	3.22E-10	2.22E-11	4.42E-10
8527	470376.46	3820108.03	1.15E-09	4.81E-09	4.33E-10	6.39E-09	9.54E-10	3.54E-09	3.11E-10	4.80E-09	1.08E-10	6.19E-10	7.39E-11	8.02E-10	9.84E-11	3.24E-10	2.24E-11	4.45E-10
8528	470367.55	3820111.59	1.15E-09	4.84E-09	4.36E-10	6.43E-09	9.61E-10	3.56E-09	3.13E-10	4.83E-09	1.09E-10	6.23E-10	7.44E-11	8.07E-10	9.90E-11	3.26E-10	2.25E-11	4.48E-10
8529	470358.63	3820115.15	1.16E-09	4.87E-09	4.39E-10	6.47E-09	9.66E-10	3.58E-09	3.15E-10	4.86E-09	1.10E-10	6.27E-10	7.48E-11	8.12E-10	9.96E-11	3.28E-10	2.26E-11	4.51E-10
8530	470349.72	3820118.71	1.17E-09	4.90E-09	4.41E-10	6.51E-09	9.72E-10	3.60E-09	3.17E-10	4.89E-09	1.10E-10	6.31E-10	7.53E-11	8.16E-10	1.00E-10	3.30E-10	2.28E-11	4.53E-10
8531	470340.81	3820122.27	1.17E-09	4.93E-09	4.44E-10	6.54E-09	9.77E-10	3.62E-09	3.18E-10	4.91E-09	1.11E-10	6.34E-10	7.56E-11	8.20E-10	1.01E-10	3.32E-10	2.29E-11	4.56E-10
8532	470331.9	3820125.83	1.18E-09	4.95E-09	4.46E-10	6.57E-09	9.82E-10	3.64E-09	3.20E-10	4.94E-09	1.11E-10	6.37E-10	7.60E-11	8.24E-10	1.01E-10	3.34E-10	2.30E-11	4.58E-10
8533	470322.98	3820129.4	1.18E-09	4.97E-09	4.48E-10	6.61E-09	9.86E-10	3.65E-09	3.21E-10	4.96E-09	1.12E-10	6.40E-10	7.64E-11	8.28E-10	1.02E-10	3.35E-10	2.31E-11	4.60E-10
8534	470314.07	3820132.96	1.19E-09	5.00E-09	4.50E-10	6.64E-09	9.91E-10	3.67E-09	3.23E-10	4.99E-09	1.12E-10	6.43E-10	7.68E-11	8.32E-10	1.02E-10	3.37E-10	2.32E-11	4.62E-10
8535	470305.16	3820136.52	1.2E-09	5.02E-09	4.52E-10	6.67E-09	9.96E-10	3.69E-09	3.25E-10	5.01E-09	1.13E-10	6.46E-10	7.71E-11	8.36E-10	1.03E-10	3.38E-10	2.33E-11	4.64E-10
8536	470296.24	3820140.08	1.2E-09	5.04E-09	4.54E-10	6.70E-09	1.00E-09	3.70E-09	3.26E-10	5.03E-09	1.13E-10	6.49E-10	7.74E-11	8.40E-10	1.03E-10	3.40E-10	2.34E-11	4.66E-10
8537	470979.22	3819456.83	7.54E-10	3.17E-09	2.85E-10	4.21E-09	6.28E-10	2.33E-09	2.05E-10	3.16E-09	7.12E-11	4.08E-10	4.86E-11	5.27E-10	6.47E-11	2.13E-10	1.47E-11	2.93E-10
8538	470979.31	3819447.18	7.52E-10	3.16E-09	2.85E-10	4.20E-09	6.27E-10	2.32E-09	2.04E-10	3.15E-09	7.11E-11	4.07E-10	4.85E-11	5.26E-10	6.46E-11	2.13E-10	1.47E-11	2.92E-10
8539	470979.39	3819437.54	7.5E-10	3.15E-09	2.84E-10	4.19E-09	6.25E-10	2.32E-09	2.04E-10	3.14E-09	7.09E-11	4.06E-10	4.84E-11	5.25E-10	6.44E-11	2.12E-10	1.46E-11	2.91E-10
8540	470979.47	3819427.89	7.48E-10	3.14E-09	2.83E-10	4.17E-09	6.23E-10	2.31E-09	2.03E-10	3.13E-09	7.06E-11	4.04E-10	4.82E-11	5.23E-10	6.42E-11	2.12E-10	1.46E-11	2.90E-10
8541	470979.56	3819418.24	7.45E-10	3.13E-09	2.82E-10	4.15E-09	6.20E-10	2.30E-09	2.02E-10	3.12E-09	7.03E-11	4.03E-10	4.80E-11	5.21E-10	6.39E-11	2.11E-10	1.45E-11	2.89E-10
8542	470979.64	3819408.59	7.41E-10	3.11E-09	2.80E-10	4.13E-09	6.17E-10	2.29E-09	2.01E-10	3.11E-09	7.00E-11	4.01E-10	4.78E-11	5.18E-10	6.36E-11	2.10E-10	1.45E-11	2.88E-10
8543	470979.72	3819398.94	7.37E-10	3.09E-09	2.79E-10	4.11E-09	6.14E-10	2.27E-09	2.00E-10	3.09E-09	6.96E-11	3.98E-10	4.75E-11	5.15E-10	6.33E-11	2.09E-10	1.44E-11	2.86E-10
8544	470979.8	3819389.29	7.32E-10	3.08E-09	2.77E-10	4.08E-09	6.10E-10	2.26E-09	1.99E-10	3.07E-09	6.91E-11	3.96E-10	4.72E-11	5.12E-10	6.29E-11	2.07E-10	1.43E-11	2.84E-10
8545	470979.89	3819379.65	7.27E-10	3.05E-09	2.75E-10	4.05E-09	6.06E-10	2.24E-09	1.97E-10	3.05E-09	6.86E-11	3.93E-10	4.69E-11	5.09E-10	6.24E-11	2.06E-10	1.42E-11	2.82E-10
8546	470979.97	3819370	7.21E-10	3.03E-09	2.73E-10	4.02E-09	6.01E-10	2.23E-09	1.96E-10	3.02E-09	6.81E-11	3.90E-10	4.65E-11	5.04E-10	6.19E-11	2.04E-10	1.41E-11	2.80E-10

8547	470980.05	3819360.35	7.15E-10	3.00E-09	2.70E-10	3.99E-09	5.95E-10	2.21E-09	1.94E-10	3.00E-09	6.75E-11	3.86E-10	4.61E-11	5.00E-10	6.14E-11	2.02E-10	1.39E-11	2.78E-10
8548	470980.13	3819350.7	7.08E-10	2.97E-09	2.68E-10	3.95E-09	5.90E-10	2.18E-09	1.92E-10	2.97E-09	6.68E-11	3.83E-10	4.57E-11	4.95E-10	6.08E-11	2.00E-10	1.38E-11	2.75E-10
8549	470980.22	3819341.05	7E-10	2.94E-09	2.65E-10	3.91E-09	5.83E-10	2.16E-09	1.90E-10	2.93E-09	6.61E-11	3.79E-10	4.52E-11	4.90E-10	6.01E-11	1.98E-10	1.37E-11	2.72E-10
8550	470980.3	3819331.41	6.92E-10	2.91E-09	2.62E-10	3.86E-09	5.77E-10	2.14E-09	1.88E-10	2.90E-09	6.54E-11	3.74E-10	4.46E-11	4.84E-10	5.94E-11	1.96E-10	1.35E-11	2.69E-10
8551	470980.38	3819321.76	6.84E-10	2.87E-09	2.59E-10	3.81E-09	5.69E-10	2.11E-09	1.86E-10	2.86E-09	6.45E-11	3.70E-10	4.41E-11	4.78E-10	5.87E-11	1.93E-10	1.33E-11	2.65E-10
8552	470980.47	3819312.11	6.74E-10	2.83E-09	2.55E-10	3.76E-09	5.62E-10	2.08E-09	1.83E-10	2.83E-09	6.37E-11	3.65E-10	4.35E-11	4.72E-10	5.79E-11	1.91E-10	1.32E-11	2.62E-10
8553	470980.55	3819302.46	6.65E-10	2.79E-09	2.51E-10	3.71E-09	5.54E-10	2.05E-09	1.80E-10	2.79E-09	6.28E-11	3.59E-10	4.29E-11	4.65E-10	5.71E-11	1.88E-10	1.30E-11	2.58E-10
8554	470980.63	3819292.81	6.55E-10	2.75E-09	2.48E-10	3.65E-09	5.45E-10	2.02E-09	1.78E-10	2.74E-09	6.18E-11	3.54E-10	4.22E-11	4.58E-10	5.62E-11	1.85E-10	1.28E-11	2.54E-10
8555	470980.71	3819283.16	6.44E-10	2.70E-09	2.44E-10	3.59E-09	5.36E-10	1.99E-09	1.75E-10	2.70E-09	6.08E-11	3.48E-10	4.15E-11	4.50E-10	5.53E-11	1.82E-10	1.26E-11	2.50E-10
8556	470980.8	3819273.52	6.33E-10	2.66E-09	2.39E-10	3.53E-09	5.27E-10	1.95E-09	1.72E-10	2.65E-09	5.98E-11	3.42E-10	4.08E-11	4.43E-10	5.43E-11	1.79E-10	1.23E-11	2.46E-10
8557	470980.88	3819263.87	6.21E-10	2.61E-09	2.35E-10	3.47E-09	5.18E-10	1.92E-09	1.69E-10	2.60E-09	5.87E-11	3.36E-10	4.01E-11	4.35E-10	5.33E-11	1.76E-10	1.21E-11	2.41E-10
8558	470980.96	3819254.22	6.1E-10	2.56E-09	2.31E-10	3.40E-09	5.08E-10	1.88E-09	1.65E-10	2.55E-09	5.76E-11	3.30E-10	3.93E-11	4.26E-10	5.23E-11	1.73E-10	1.19E-11	2.37E-10
8559	470981.04	3819244.57	5.97E-10	2.51E-09	2.26E-10	3.33E-09	4.98E-10	1.84E-09	1.62E-10	2.50E-09	5.64E-11	3.23E-10	3.85E-11	4.18E-10	5.13E-11	1.69E-10	1.17E-11	2.32E-10
8560	471055.5	3819466.26	6.22E-10	2.61E-09	2.35E-10	3.47E-09	5.18E-10	1.92E-09	1.69E-10	2.61E-09	5.87E-11	3.36E-10	4.01E-11	4.35E-10	5.34E-11	1.76E-10	1.21E-11	2.42E-10
8561	471051.77	3819475.01	6.28E-10	2.64E-09	2.38E-10	3.50E-09	5.23E-10	1.94E-09	1.71E-10	2.63E-09	5.93E-11	3.40E-10	4.05E-11	4.39E-10	5.39E-11	1.78E-10	1.23E-11	2.44E-10
8562	471048.05	3819483.76	6.34E-10	2.66E-09	2.40E-10	3.54E-09	5.28E-10	1.96E-09	1.72E-10	2.66E-09	5.99E-11	3.43E-10	4.09E-11	4.44E-10	5.45E-11	1.80E-10	1.24E-11	2.46E-10
8563	471044.32	3819492.5	6.4E-10	2.69E-09	2.42E-10	3.57E-09	5.33E-10	1.98E-09	1.74E-10	2.68E-09	6.05E-11	3.46E-10	4.13E-11	4.48E-10	5.50E-11	1.81E-10	1.25E-11	2.49E-10
8564	471040.6	3819501.25	6.46E-10	2.71E-09	2.44E-10	3.60E-09	5.38E-10	1.99E-09	1.75E-10	2.71E-09	6.10E-11	3.49E-10	4.17E-11	4.52E-10	5.55E-11	1.83E-10	1.26E-11	2.51E-10
8565	471036.87	3819510	6.52E-10	2.74E-09	2.46E-10	3.64E-09	5.43E-10	2.01E-09	1.77E-10	2.73E-09	6.15E-11	3.52E-10	4.20E-11	4.56E-10	5.60E-11	1.84E-10	1.27E-11	2.53E-10
8566	471033.15	3819518.74	6.57E-10	2.76E-09	2.49E-10	3.67E-09	5.47E-10	2.03E-09	1.78E-10	2.75E-09	6.21E-11	3.55E-10	4.24E-11	4.60E-10	5.64E-11	1.86E-10	1.28E-11	2.55E-10
8567	471029.42	3819527.49	6.62E-10	2.78E-09	2.50E-10	3.69E-09	5.52E-10	2.04E-09	1.80E-10	2.78E-09	6.25E-11	3.58E-10	4.27E-11	4.63E-10	5.69E-11	1.87E-10	1.29E-11	2.57E-10
8568	471025.7	3819536.24	6.67E-10	2.80E-09	2.52E-10	3.72E-09	5.56E-10	2.06E-09	1.81E-10	2.80E-09	6.30E-11	3.61E-10	4.30E-11	4.67E-10	5.73E-11	1.89E-10	1.30E-11	2.59E-10
8569	471021.97	3819544.98	6.72E-10	2.82E-09	2.54E-10	3.75E-09	5.60E-10	2.07E-09	1.82E-10	2.81E-09	6.34E-11	3.63E-10	4.33E-11	4.70E-10	5.77E-11	1.90E-10	1.31E-11	2.61E-10
8570	471018.25	3819553.73	6.76E-10	2.84E-09	2.56E-10	3.77E-09	5.63E-10	2.09E-09	1.84E-10	2.83E-09	6.38E-11	3.66E-10	4.36E-11	4.73E-10	5.80E-11	1.91E-10	1.32E-11	2.63E-10
8571	471014.52	3819562.47	6.8E-10	2.86E-09	2.57E-10	3.79E-09	5.67E-10	2.10E-09	1.85E-10	2.85E-09	6.42E-11	3.68E-10	4.39E-11	4.76E-10	5.84E-11	1.93E-10	1.33E-11	2.64E-10
8572	471010.8	3819571.22	6.84E-10	2.87E-09	2.59E-10	3.82E-09	5.70E-10	2.11E-09	1.86E-10	2.87E-09	6.46E-11	3.70E-10	4.41E-11	4.79E-10	5.87E-11	1.94E-10	1.33E-11	2.66E-10
8573	471007.07	3819579.97	6.88E-10	2.89E-09	2.60E-10	3.84E-09	5.73E-10	2.12E-09	1.87E-10	2.88E-09	6.49E-11	3.72E-10	4.44E-11	4.81E-10	5.90E-11	1.95E-10	1.34E-11	2.67E-10
8574	471003.35	3819588.71	6.91E-10	2.90E-09	2.61E-10	3.85E-09	5.76E-10	2.13E-09	1.88E-10	2.90E-09	6.53E-11	3.74E-10	4.46E-11	4.83E-10	5.93E-11	1.96E-10	1.35E-11	2.68E-10
8575	470999.62	3819597.46	6.94E-10	2.92E-09	2.63E-10	3.87E-09	5.78E-10	2.14E-09	1.88E-10	2.91E-09	6.55E-11	3.75E-10	4.48E-11	4.86E-10	5.96E-11	1.96E-10	1.35E-11	2.70E-10
8576	470995.9	3819606.21	6.97E-10	2.93E-09	2.64E-10	3.89E-09	5.80E-10	2.15E-09	1.89E-10	2.92E-09	6.58E-11	3.77E-10	4.49E-11	4.87E-10	5.98E-11	1.97E-10	1.36E-11	2.71E-10
8577	470992.17	3819614.95	6.99E-10	2.94E-09	2.64E-10	3.90E-09	5.82E-10	2.16E-09	1.90E-10	2.93E-09	6.60E-11	3.78E-10	4.51E-11	4.89E-10	6.00E-11	1.98E-10	1.36E-11	2.72E-10
8578	470988.45	3819623.7	7.01E-10	2.95E-09	2.65E-10	3.91E-09	5.84E-10	2.16E-09	1.90E-10	2.94E-09	6.62E-11	3.79E-10	4.52E-11	4.91E-10	6.02E-11	1.99E-10	1.37E-11	2.72E-10
8579	470984.72	3819632.45	7.03E-10	2.95E-09	2.66E-10	3.92E-09	5.86E-10	2.17E-09	1.91E-10	2.95E-09	6.64E-11	3.80E-10	4.54E-11	4.92E-10	6.04E-11	1.99E-10	1.37E-11	2.73E-10
8580	470981	3819641.19	7.05E-10	2.96E-09	2.67E-10	3.93E-09	5.87E-10	2.18E-09	1.91E-10	2.95E-09	6.66E-11	3.81E-10	4.55E-11	4.93E-10	6.05E-11	2.00E-10	1.38E-11	2.74E-10
8581	470977.27	3819649.94	7.06E-10	2.97E-09	2.67E-10	3.94E-09	5.88E-10	2.18E-09	1.92E-10	2.96E-09	6.67E-11	3.82E-10	4.55E-11	4.94E-10	6.06E-11	2.00E-10	1.38E-11	2.74E-10
8582	470973.55	3819658.69	7.07E-10	2.97E-09	2.67E-10	3.94E-09	5.89E-10	2.18E-09	1.92E-10	2.96E-09	6.68E-11	3.82E-10	4.56E-11	4.95E-10	6.07E-11	2.00E-10	1.38E-11	2.75E-10
8583	470969.82	3819667.43	7.08E-10	2.97E-09	2.68E-10	3.95E-09	5.89E-10	2.18E-09	1.92E-10	2.97E-09	6.68E-11	3.83E-10	4.56E-11	4.95E-10	6.07E-11	2.00E-10	1.38E-11	2.75E-10
8584	470954.93	3819702.42	7.07E-10	2.97E-09	2.67E-10	3.94E-09	5.89E-10	2.18E-09	1.92E-10	2.96E-09	6.68E-11	3.82E-10	4.56E-11	4.95E-10	6.07E-11	2.00E-10	1.38E-11	2.75E-10
8585	470951.2	3819711.16	7.07E-10	2.97E-09	2.67E-10	3.94E-09	5.88E-10	2.18E-09	1.92E-10	2.96E-09	6.67E-11	3.82E-10	4.56E-11	4.94E-10	6.07E-11	2.00E-10	1.38E-11	2.74E-10
8586	470947.48	3819719.91	7.06E-10	2.96E-09	2.67E-10	3.94E-09	5.88E-10	2.18E-09	1.92E-10	2.96E-09	6.66E-11	3.81E-10	4.55E-11	4.94E-10	6.06E-11	2.00E-10	1.38E-11	2.74E-10
8587	470943.75	3819728.66	7.04E-10	2.96E-09	2.66E-10	3.93E-09	5.87E-10	2.17E-09	1.91E-10	2.95E-09	6.65E-11	3.81E-10	4.54E-11	4.93E-10	6.05E-11	1.99E-10	1.37E-11	2.74E-10
8588	470940.03	3819737.4	7.03E-10	2.95E-09	2.66E-10	3.92E-09	5.85E-10	2.17E-09	1.91E-10	2.95E-09	6.64E-11	3.80E-10	4.53E-11	4.92E-10	6.03E-11	1.99E-10	1.37E-11	2.73E-10
8589	470936.3	3819746.15	7.01E-10	2.95E-09	2.65E-10	3.91E-09	5.84E-10	2.16E-09	1.90E-10	2.94E-09	6.62E-11	3.79E-10	4.52E-11	4.91E-10	6.02E-11	1.99E-10	1.37E-11	2.72E-10
8590	470932.58	3819754.9	6.99E-10	2.94E-09	2.65E-10	3.90E-09	5.83E-10	2.16E-09	1.90E-10	2.93E-09	6.61E-11	3.78E-10	4.51E-11	4.89E-10	6.00E-11	1.98E-10	1.36E-11	2.72E-10
8591	470928.85	3819763.64	6.98E-10	2.93E-09	2.64E-10	3.89E-09	5.81E-10	2.15E-09	1.89E-10	2.92E-09	6.59E-11	3.77E-10	4.50E-11	4.88E-10	5.99E-11	1.97E-10	1.36E-11	2.71E-10
8592	470925.13	3819772.39	6.95E-10	2.92E-09	2.63E-10	3.88E-09	5.79E-10	2.15E-09	1.89E-10	2.91E-09	6.57E-11	3.76E-10	4.49E-11	4.86E-10	5.97E-11	1.97E-10	1.36E-11	2.70E-10
8593	470921.4	3819781.14	6.93E-10	2.91E-09	2.62E-10	3.87E-09	5.77E-10	2.14E-09	1.88E-10	2.90E-09	6.55E-11	3.75E-10	4.47E-11	4.85E-10	5.95E-11	1.96E-10	1.35E-11	2.69E-10
8594	470917.68	3819789.88	6.91E-10	2.90E-09	2.61E-10	3.85E-09	5.75E-10	2.13E-09	1.88E-10	2.89E-09	6.52E-11	3.73E-10	4.46E-11	4.83E-10	5.93E-11	1.96E-10	1.35E-11	2.68E-10
8595	470872.98	3819894.84	6.56E-10	2.75E-09	2.48E-10	3.66E-09	5.46E-10	2.02E-09	1.78E-10	2.75E-09	6.19E-11	3.55E-10	4.23E-11	4.59E-10	5.63E-11	1.86E-10	1.28E-11	2.55E-10
8596	470869.25	3819903.58	6.52E-10	2.74E-09	2.47E-10	3.64E-09	5.43E-10	2.01E-09	1.77E-10	2.73E-09	6.16E-11	3.53E-10	4.21E-11	4.56E-10	5.60E-11	1.85E-10	1.27E-11	2.53E-10

8597	470865.53	3819912.33	6.49E-10	2.72E-09	2.45E-10	3.62E-09	5.40E-10	2.00E-09	1.76E-10	2.72E-09	6.13E-11	3.51E-10	4.18E-11	4.54E-10	5.57E-11	1.84E-10	1.27E-11	2.52E-10
8598	470861.8	3819921.08	6.45E-10	2.71E-09	2.44E-10	3.60E-09	5.37E-10	1.99E-09	1.75E-10	2.70E-09	6.09E-11	3.49E-10	4.16E-11	4.51E-10	5.54E-11	1.83E-10	1.26E-11	2.51E-10
8599	470858.08	3819929.82	6.41E-10	2.69E-09	2.43E-10	3.58E-09	5.34E-10	1.98E-09	1.74E-10	2.69E-09	6.06E-11	3.47E-10	4.14E-11	4.49E-10	5.50E-11	1.82E-10	1.25E-11	2.49E-10
8600	470854.35	3819938.57	6.37E-10	2.68E-09	2.41E-10	3.56E-09	5.31E-10	1.97E-09	1.73E-10	2.67E-09	6.02E-11	3.45E-10	4.11E-11	4.46E-10	5.47E-11	1.80E-10	1.24E-11	2.48E-10
8601	470850.63	3819947.32	6.34E-10	2.66E-09	2.40E-10	3.53E-09	5.28E-10	1.96E-09	1.72E-10	2.65E-09	5.98E-11	3.43E-10	4.09E-11	4.43E-10	5.44E-11	1.79E-10	1.24E-11	2.46E-10
8602	470846.9	3819956.06	6.3E-10	2.64E-09	2.38E-10	3.51E-09	5.24E-10	1.94E-09	1.71E-10	2.64E-09	5.94E-11	3.40E-10	4.06E-11	4.40E-10	5.40E-11	1.78E-10	1.23E-11	2.45E-10
8603	470843.18	3819964.81	6.25E-10	2.63E-09	2.37E-10	3.49E-09	5.21E-10	1.93E-09	1.70E-10	2.62E-09	5.91E-11	3.38E-10	4.03E-11	4.37E-10	5.37E-11	1.77E-10	1.22E-11	2.43E-10
8604	470839.45	3819973.56	6.21E-10	2.61E-09	2.35E-10	3.46E-09	5.17E-10	1.92E-09	1.69E-10	2.60E-09	5.86E-11	3.36E-10	4.01E-11	4.34E-10	5.33E-11	1.76E-10	1.21E-11	2.41E-10
8605	470835.73	3819982.3	6.17E-10	2.59E-09	2.33E-10	3.44E-09	5.14E-10	1.90E-09	1.67E-10	2.58E-09	5.82E-11	3.33E-10	3.98E-11	4.31E-10	5.29E-11	1.75E-10	1.20E-11	2.40E-10
8606	470832	3819991.05	6.12E-10	2.57E-09	2.32E-10	3.42E-09	5.10E-10	1.89E-09	1.66E-10	2.57E-09	5.78E-11	3.31E-10	3.95E-11	4.28E-10	5.26E-11	1.73E-10	1.19E-11	2.38E-10
8607	470828.28	3819999.8	6.08E-10	2.55E-09	2.30E-10	3.39E-09	5.06E-10	1.88E-09	1.65E-10	2.55E-09	5.74E-11	3.29E-10	3.92E-11	4.25E-10	5.22E-11	1.72E-10	1.19E-11	2.36E-10
8608	470815.73	3820012.07	6.08E-10	2.56E-09	2.30E-10	3.39E-09	5.07E-10	1.88E-09	1.65E-10	2.55E-09	5.75E-11	3.29E-10	3.92E-11	4.26E-10	5.22E-11	1.72E-10	1.19E-11	2.36E-10
8609	470806.9	3820015.6	6.13E-10	2.58E-09	2.32E-10	3.42E-09	5.11E-10	1.89E-09	1.66E-10	2.57E-09	5.79E-11	3.32E-10	3.96E-11	4.29E-10	5.27E-11	1.74E-10	1.20E-11	2.38E-10
8610	470798.07	3820019.12	6.18E-10	2.60E-09	2.34E-10	3.45E-09	5.15E-10	1.91E-09	1.68E-10	2.59E-09	5.84E-11	3.34E-10	3.99E-11	4.32E-10	5.31E-11	1.75E-10	1.21E-11	2.40E-10
8611	470789.24	3820022.65	6.23E-10	2.62E-09	2.36E-10	3.48E-09	5.19E-10	1.92E-09	1.69E-10	2.61E-09	5.88E-11	3.37E-10	4.02E-11	4.36E-10	5.35E-11	1.76E-10	1.22E-11	2.42E-10
8612	470780.42	3820026.18	6.28E-10	2.64E-09	2.37E-10	3.50E-09	5.23E-10	1.94E-09	1.70E-10	2.63E-09	5.93E-11	3.39E-10	4.05E-11	4.39E-10	5.39E-11	1.78E-10	1.23E-11	2.44E-10
8613	470771.59	3820029.7	6.33E-10	2.66E-09	2.39E-10	3.53E-09	5.27E-10	1.95E-09	1.72E-10	2.65E-09	5.98E-11	3.42E-10	4.08E-11	4.43E-10	5.43E-11	1.79E-10	1.23E-11	2.46E-10
8614	470762.76	3820033.23	6.38E-10	2.68E-09	2.41E-10	3.56E-09	5.31E-10	1.97E-09	1.73E-10	2.67E-09	6.02E-11	3.45E-10	4.11E-11	4.46E-10	5.47E-11	1.80E-10	1.24E-11	2.48E-10
8615	470753.93	3820036.76	6.43E-10	2.70E-09	2.43E-10	3.58E-09	5.35E-10	1.98E-09	1.74E-10	2.69E-09	6.07E-11	3.47E-10	4.14E-11	4.49E-10	5.52E-11	1.82E-10	1.25E-11	2.50E-10
8616	470745.1	3820040.29	6.47E-10	2.72E-09	2.45E-10	3.61E-09	5.39E-10	2.00E-09	1.76E-10	2.71E-09	6.11E-11	3.50E-10	4.18E-11	4.53E-10	5.56E-11	1.83E-10	1.26E-11	2.51E-10
8617	470665.65	3820072.03	6.99E-10	2.93E-09	2.64E-10	3.90E-09	5.82E-10	2.16E-09	1.90E-10	2.93E-09	6.60E-11	3.78E-10	4.51E-11	4.89E-10	6.00E-11	1.98E-10	1.36E-11	2.71E-10
8618	470656.82	3820075.56	7.05E-10	2.96E-09	2.67E-10	3.93E-09	5.88E-10	2.18E-09	1.91E-10	2.96E-09	6.66E-11	3.81E-10	4.55E-11	4.93E-10	6.06E-11	2.00E-10	1.38E-11	2.74E-10
8619	470648	3820079.09	7.12E-10	2.99E-09	2.69E-10	3.97E-09	5.93E-10	2.20E-09	1.93E-10	2.99E-09	6.73E-11	3.85E-10	4.60E-11	4.98E-10	6.12E-11	2.02E-10	1.39E-11	2.77E-10
8620	470639.17	3820082.61	7.2E-10	3.02E-09	2.72E-10	4.02E-09	6.00E-10	2.22E-09	1.95E-10	3.02E-09	6.80E-11	3.89E-10	4.64E-11	5.04E-10	6.18E-11	2.04E-10	1.40E-11	2.80E-10
8621	470630.34	3820086.14	7.28E-10	3.06E-09	2.75E-10	4.06E-09	6.06E-10	2.25E-09	1.98E-10	3.05E-09	6.87E-11	3.93E-10	4.69E-11	5.09E-10	6.25E-11	2.06E-10	1.42E-11	2.83E-10
8622	470621.51	3820089.67	7.36E-10	3.09E-09	2.78E-10	4.10E-09	6.13E-10	2.27E-09	2.00E-10	3.08E-09	6.95E-11	3.98E-10	4.75E-11	5.15E-10	6.32E-11	2.08E-10	1.44E-11	2.86E-10
8623	470612.68	3820093.19	7.44E-10	3.13E-09	2.81E-10	4.15E-09	6.20E-10	2.30E-09	2.02E-10	3.12E-09	7.03E-11	4.02E-10	4.80E-11	5.21E-10	6.39E-11	2.11E-10	1.45E-11	2.89E-10
8624	470603.86	3820096.72	7.53E-10	3.16E-09	2.85E-10	4.20E-09	6.27E-10	2.32E-09	2.04E-10	3.16E-09	7.11E-11	4.07E-10	4.86E-11	5.27E-10	6.46E-11	2.13E-10	1.47E-11	2.92E-10
8625	470595.03	3820100.25	7.62E-10	3.20E-09	2.88E-10	4.25E-09	6.35E-10	2.35E-09	2.07E-10	3.19E-09	7.20E-11	4.12E-10	4.92E-11	5.33E-10	6.54E-11	2.16E-10	1.49E-11	2.96E-10
8626	470586.2	3820103.78	7.72E-10	3.24E-09	2.92E-10	4.30E-09	6.43E-10	2.38E-09	2.09E-10	3.23E-09	7.29E-11	4.17E-10	4.98E-11	5.40E-10	6.62E-11	2.18E-10	1.51E-11	3.00E-10
8627	470577.37	3820107.3	7.81E-10	3.28E-09	2.95E-10	4.36E-09	6.51E-10	2.41E-09	2.12E-10	3.27E-09	7.38E-11	4.22E-10	5.04E-11	5.46E-10	6.71E-11	2.21E-10	1.52E-11	3.03E-10
8628	470568.54	3820110.83	7.91E-10	3.32E-09	2.99E-10	4.41E-09	6.59E-10	2.44E-09	2.15E-10	3.31E-09	7.47E-11	4.28E-10	5.10E-11	5.53E-10	6.79E-11	2.24E-10	1.54E-11	3.07E-10
8629	470559.72	3820114.36	8.01E-10	3.36E-09	3.03E-10	4.47E-09	6.67E-10	2.47E-09	2.17E-10	3.36E-09	7.56E-11	4.33E-10	5.17E-11	5.60E-10	6.88E-11	2.27E-10	1.56E-11	3.11E-10
8630	470550.89	3820117.88	8.11E-10	3.41E-09	3.07E-10	4.52E-09	6.76E-10	2.50E-09	2.20E-10	3.40E-09	7.66E-11	4.38E-10	5.23E-11	5.67E-10	6.96E-11	2.30E-10	1.58E-11	3.15E-10
8631	470542.06	3820121.41	8.21E-10	3.45E-09	3.11E-10	4.58E-09	6.84E-10	2.53E-09	2.23E-10	3.44E-09	7.76E-11	4.44E-10	5.30E-11	5.75E-10	7.05E-11	2.32E-10	1.60E-11	3.19E-10
8632	470533.23	3820124.94	8.32E-10	3.49E-09	3.15E-10	4.64E-09	6.93E-10	2.57E-09	2.26E-10	3.48E-09	7.85E-11	4.50E-10	5.36E-11	5.82E-10	7.14E-11	2.35E-10	1.62E-11	3.23E-10
8633	470524.4	3820128.47	8.42E-10	3.54E-09	3.18E-10	4.70E-09	7.01E-10	2.60E-09	2.29E-10	3.53E-09	7.95E-11	4.55E-10	5.43E-11	5.89E-10	7.23E-11	2.38E-10	1.64E-11	3.27E-10
8634	470515.58	3820131.99	8.52E-10	3.58E-09	3.22E-10	4.75E-09	7.10E-10	2.63E-09	2.31E-10	3.57E-09	8.05E-11	4.61E-10	5.50E-11	5.96E-10	7.32E-11	2.41E-10	1.66E-11	3.31E-10
8635	470506.75	3820135.52	8.62E-10	3.62E-09	3.26E-10	4.81E-09	7.18E-10	2.66E-09	2.34E-10	3.61E-09	8.14E-11	4.66E-10	5.56E-11	6.03E-10	7.40E-11	2.44E-10	1.68E-11	3.35E-10
8636	470497.92	3820139.05	8.72E-10	3.66E-09	3.30E-10	4.86E-09	7.27E-10	2.69E-09	2.37E-10	3.65E-09	8.24E-11	4.72E-10	5.63E-11	6.10E-10	7.49E-11	2.47E-10	1.70E-11	3.39E-10
8637	470489.09	3820142.57	8.82E-10	3.70E-09	3.34E-10	4.92E-09	7.35E-10	2.72E-09	2.39E-10	3.70E-09	8.33E-11	4.77E-10	5.69E-11	6.17E-10	7.57E-11	2.50E-10	1.72E-11	3.43E-10
8638	470480.26	3820146.1	8.91E-10	3.74E-09	3.37E-10	4.97E-09	7.42E-10	2.75E-09	2.42E-10	3.74E-09	8.42E-11	4.82E-10	5.75E-11	6.24E-10	7.65E-11	2.52E-10	1.74E-11	3.46E-10
8639	470471.44	3820149.63	9E-10	3.78E-09	3.41E-10	5.02E-09	7.50E-10	2.78E-09	2.44E-10	3.77E-09	8.50E-11	4.87E-10	5.81E-11	6.30E-10	7.73E-11	2.55E-10	1.76E-11	3.50E-10
8640	470462.61	3820153.16	9.09E-10	3.82E-09	3.44E-10	5.07E-09	7.57E-10	2.81E-09	2.47E-10	3.81E-09	8.59E-11	4.92E-10	5.87E-11	6.36E-10	7.81E-11	2.57E-10	1.77E-11	3.53E-10
8641	470453.78	3820156.68	9.18E-10	3.85E-09	3.47E-10	5.12E-09	7.64E-10	2.83E-09	2.49E-10	3.85E-09	8.67E-11	4.96E-10	5.92E-11	6.42E-10	7.88E-11	2.60E-10	1.79E-11	3.57E-10
8642	470444.95	3820160.21	9.26E-10	3.89E-09	3.50E-10	5.16E-09	7.71E-10	2.86E-09	2.51E-10	3.88E-09	8.74E-11	5.01E-10	5.97E-11	6.48E-10	7.95E-11	2.62E-10	1.81E-11	3.60E-10
8643	470436.12	3820163.74	9.34E-10	3.92E-09	3.53E-10	5.21E-09	7.78E-10	2.88E-09	2.53E-10	3.91E-09	8.82E-11	5.05E-10	6.02E-11	6.53E-10	8.01E-11	2.64E-10	1.82E-11	3.63E-10
8644	470427.3	3820167.27	9.41E-10	3.95E-09	3.56E-10	5.25E-09	7.84E-10	2.90E-09	2.55E-10	3.94E-09	8.88E-11	5.09E-10	6.07E-11	6.58E-10	8.08E-11	2.66E-10	1.84E-11	3.65E-10
8645	470418.47	3820170.79	9.48E-10	3.98E-09	3.58E-10	5.29E-09	7.89E-10	2.92E-09	2.57E-10	3.97E-09	8.95E-11	5.12E-10	6.11E-11	6.63E-10	8.13E-11	2.68E-10	1.85E-11	3.68E-10
8646	470409.64	3820174.32	9.54E-10	4.01E-09	3.61E-10	5.32E-09	7.95E-10	2.94E-09	2.59E-10	4.00E-09	9.01E-11	5.16E-10	6.15E-11	6.67E-10	8.19E-11	2.70E-10	1.86E-11	3.71E-10

8647	470400.81	3820177.85	9.6E-10	4.03E-09	3.63E-10	5.36E-09	8.00E-10	2.96E-09	2.61E-10	4.02E-09	9.07E-11	5.19E-10	6.19E-11	6.72E-10	8.24E-11	2.72E-10	1.87E-11	3.73E-10
8648	470391.98	3820181.37	9.66E-10	4.06E-09	3.65E-10	5.39E-09	8.04E-10	2.98E-09	2.62E-10	4.05E-09	9.12E-11	5.22E-10	6.23E-11	6.76E-10	8.29E-11	2.73E-10	1.88E-11	3.75E-10
8649	470383.16	3820184.9	9.71E-10	4.08E-09	3.67E-10	5.42E-09	8.09E-10	3.00E-09	2.64E-10	4.07E-09	9.17E-11	5.25E-10	6.26E-11	6.79E-10	8.34E-11	2.75E-10	1.89E-11	3.77E-10
8650	470374.33	3820188.43	9.76E-10	4.10E-09	3.69E-10	5.44E-09	8.13E-10	3.01E-09	2.65E-10	4.09E-09	9.22E-11	5.28E-10	6.30E-11	6.83E-10	8.38E-11	2.76E-10	1.90E-11	3.79E-10
8651	470365.5	3820191.96	9.81E-10	4.12E-09	3.71E-10	5.47E-09	8.17E-10	3.03E-09	2.66E-10	4.11E-09	9.26E-11	5.30E-10	6.33E-11	6.86E-10	8.42E-11	2.78E-10	1.91E-11	3.81E-10
8652	470356.67	3820195.48	9.85E-10	4.14E-09	3.73E-10	5.49E-09	8.21E-10	3.04E-09	2.67E-10	4.13E-09	9.30E-11	5.33E-10	6.35E-11	6.89E-10	8.46E-11	2.79E-10	1.92E-11	3.83E-10
8653	470347.84	3820199.01	9.89E-10	4.16E-09	3.74E-10	5.52E-09	8.24E-10	3.05E-09	2.69E-10	4.15E-09	9.34E-11	5.35E-10	6.38E-11	6.92E-10	8.49E-11	2.80E-10	1.93E-11	3.84E-10
8654	470339.02	3820202.54	9.94E-10	4.17E-09	3.76E-10	5.54E-09	8.28E-10	3.07E-09	2.70E-10	4.16E-09	9.38E-11	5.37E-10	6.41E-11	6.95E-10	8.53E-11	2.81E-10	1.94E-11	3.86E-10
8655	470330.19	3820206.06	9.98E-10	4.19E-09	3.77E-10	5.57E-09	8.31E-10	3.08E-09	2.71E-10	4.18E-09	9.42E-11	5.40E-10	6.44E-11	6.98E-10	8.57E-11	2.82E-10	1.95E-11	3.88E-10
8656	470321.36	3820209.59	1E-09	4.21E-09	3.79E-10	5.59E-09	8.35E-10	3.09E-09	2.72E-10	4.20E-09	9.46E-11	5.42E-10	6.46E-11	7.01E-10	8.60E-11	2.84E-10	1.96E-11	3.89E-10
8657	470312.53	3820213.12	1.01E-09	4.22E-09	3.80E-10	5.61E-09	8.38E-10	3.10E-09	2.73E-10	4.22E-09	9.50E-11	5.44E-10	6.49E-11	7.04E-10	8.64E-11	2.85E-10	1.96E-11	3.91E-10
8658	470303.7	3820216.65	1.01E-09	4.24E-09	3.82E-10	5.63E-09	8.41E-10	3.12E-09	2.74E-10	4.23E-09	9.53E-11	5.46E-10	6.51E-11	7.06E-10	8.67E-11	2.86E-10	1.97E-11	3.92E-10
8659	470294.88	3820220.17	1.01E-09	4.25E-09	3.83E-10	5.65E-09	8.44E-10	3.13E-09	2.75E-10	4.25E-09	9.57E-11	5.48E-10	6.54E-11	7.09E-10	8.70E-11	2.87E-10	1.98E-11	3.94E-10
8660	470286.05	3820223.7	1.02E-09	4.27E-09	3.85E-10	5.67E-09	8.47E-10	3.14E-09	2.76E-10	4.26E-09	9.60E-11	5.50E-10	6.56E-11	7.11E-10	8.73E-11	2.88E-10	1.98E-11	3.95E-10
8661	470277.22	3820227.23	1.02E-09	4.29E-09	3.86E-10	5.69E-09	8.50E-10	3.15E-09	2.77E-10	4.28E-09	9.64E-11	5.52E-10	6.58E-11	7.14E-10	8.76E-11	2.89E-10	1.99E-11	3.96E-10
8662	471059.22	3819457.52	6.15E-10	2.58E-09	2.33E-10	3.43E-09	5.12E-10	1.90E-09	1.67E-10	2.58E-09	5.81E-11	3.33E-10	3.97E-11	4.30E-10	5.28E-11	1.74E-10	1.20E-11	2.39E-10
8663	471059.3	3819447.87	6.14E-10	2.58E-09	2.32E-10	3.42E-09	5.11E-10	1.89E-09	1.67E-10	2.57E-09	5.79E-11	3.32E-10	3.96E-11	4.29E-10	5.27E-11	1.74E-10	1.20E-11	2.38E-10
8664	471059.39	3819438.22	6.12E-10	2.57E-09	2.31E-10	3.41E-09	5.10E-10	1.89E-09	1.66E-10	2.56E-09	5.78E-11	3.31E-10	3.95E-11	4.28E-10	5.25E-11	1.73E-10	1.19E-11	2.38E-10
8665	471059.47	3819428.57	6.1E-10	2.56E-09	2.31E-10	3.40E-09	5.08E-10	1.88E-09	1.65E-10	2.55E-09	5.76E-11	3.30E-10	3.93E-11	4.26E-10	5.23E-11	1.73E-10	1.19E-11	2.37E-10
8666	471059.55	3819418.93	6.07E-10	2.55E-09	2.30E-10	3.39E-09	5.06E-10	1.87E-09	1.65E-10	2.54E-09	5.73E-11	3.28E-10	3.92E-11	4.25E-10	5.21E-11	1.72E-10	1.18E-11	2.36E-10
8667	471059.63	3819409.28	6.04E-10	2.54E-09	2.28E-10	3.37E-09	5.03E-10	1.86E-09	1.64E-10	2.53E-09	5.70E-11	3.27E-10	3.90E-11	4.23E-10	5.19E-11	1.71E-10	1.18E-11	2.35E-10
8668	471059.72	3819399.63	6.01E-10	2.52E-09	2.27E-10	3.35E-09	5.00E-10	1.85E-09	1.63E-10	2.52E-09	5.67E-11	3.25E-10	3.88E-11	4.20E-10	5.16E-11	1.70E-10	1.17E-11	2.33E-10
8669	471059.8	3819389.98	5.97E-10	2.51E-09	2.26E-10	3.33E-09	4.97E-10	1.84E-09	1.62E-10	2.50E-09	5.64E-11	3.23E-10	3.85E-11	4.18E-10	5.13E-11	1.69E-10	1.17E-11	2.32E-10
8670	471059.88	3819380.33	5.93E-10	2.49E-09	2.24E-10	3.31E-09	4.94E-10	1.83E-09	1.61E-10	2.49E-09	5.60E-11	3.21E-10	3.83E-11	4.15E-10	5.09E-11	1.68E-10	1.16E-11	2.30E-10
8671	471059.97	3819370.68	5.89E-10	2.47E-09	2.23E-10	3.28E-09	4.90E-10	1.82E-09	1.60E-10	2.47E-09	5.56E-11	3.18E-10	3.80E-11	4.12E-10	5.05E-11	1.67E-10	1.15E-11	2.29E-10
8672	471060.05	3819361.04	5.84E-10	2.45E-09	2.21E-10	3.26E-09	4.86E-10	1.80E-09	1.59E-10	2.45E-09	5.51E-11	3.16E-10	3.77E-11	4.09E-10	5.01E-11	1.65E-10	1.14E-11	2.27E-10
8673	471060.13	3819351.39	5.79E-10	2.43E-09	2.19E-10	3.23E-09	4.82E-10	1.79E-09	1.57E-10	2.43E-09	5.47E-11	3.13E-10	3.73E-11	4.05E-10	4.97E-11	1.64E-10	1.13E-11	2.25E-10
8674	471060.21	3819341.74	5.73E-10	2.41E-09	2.17E-10	3.20E-09	4.77E-10	1.77E-09	1.56E-10	2.40E-09	5.41E-11	3.10E-10	3.70E-11	4.01E-10	4.92E-11	1.62E-10	1.12E-11	2.23E-10
8675	471060.3	3819332.09	5.67E-10	2.38E-09	2.15E-10	3.16E-09	4.72E-10	1.75E-09	1.54E-10	2.38E-09	5.36E-11	3.07E-10	3.66E-11	3.97E-10	4.87E-11	1.61E-10	1.11E-11	2.20E-10
8676	471060.38	3819322.44	5.61E-10	2.36E-09	2.12E-10	3.13E-09	4.67E-10	1.73E-09	1.52E-10	2.35E-09	5.30E-11	3.03E-10	3.62E-11	3.92E-10	4.81E-11	1.59E-10	1.09E-11	2.18E-10
8677	471060.46	3819312.8	5.54E-10	2.33E-09	2.10E-10	3.09E-09	4.62E-10	1.71E-09	1.50E-10	2.32E-09	5.23E-11	3.00E-10	3.57E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.15E-10
8678	471060.54	3819303.15	5.47E-10	2.30E-09	2.07E-10	3.05E-09	4.56E-10	1.69E-09	1.48E-10	2.29E-09	5.16E-11	2.96E-10	3.53E-11	3.83E-10	4.69E-11	1.55E-10	1.07E-11	2.12E-10
8679	471060.63	3819293.5	5.39E-10	2.26E-09	2.04E-10	3.01E-09	4.49E-10	1.66E-09	1.46E-10	2.26E-09	5.09E-11	2.92E-10	3.48E-11	3.77E-10	4.63E-11	1.53E-10	1.05E-11	2.09E-10
8680	471060.71	3819283.85	5.31E-10	2.23E-09	2.01E-10	2.96E-09	4.43E-10	1.64E-09	1.44E-10	2.23E-09	5.02E-11	2.87E-10	3.43E-11	3.72E-10	4.56E-11	1.50E-10	1.04E-11	2.06E-10
8681	471060.79	3819274.2	5.23E-10	2.20E-09	1.98E-10	2.92E-09	4.36E-10	1.61E-09	1.42E-10	2.19E-09	4.94E-11	2.83E-10	3.38E-11	3.66E-10	4.49E-11	1.48E-10	1.02E-11	2.03E-10
8682	471060.88	3819264.55	5.15E-10	2.16E-09	1.95E-10	2.87E-09	4.29E-10	1.59E-09	1.40E-10	2.16E-09	4.86E-11	2.78E-10	3.32E-11	3.60E-10	4.42E-11	1.46E-10	1.00E-11	2.00E-10
8683	471060.96	3819254.91	5.06E-10	2.13E-09	1.91E-10	2.82E-09	4.21E-10	1.56E-09	1.37E-10	2.12E-09	4.78E-11	2.74E-10	3.26E-11	3.54E-10	4.34E-11	1.43E-10	9.87E-12	1.97E-10
8684	471135.47	3819467.01	5.16E-10	2.17E-09	1.95E-10	2.88E-09	4.30E-10	1.59E-09	1.40E-10	2.16E-09	4.87E-11	2.79E-10	3.33E-11	3.61E-10	4.43E-11	1.46E-10	1.01E-11	2.00E-10
8685	471131.72	3819475.81	5.21E-10	2.19E-09	1.97E-10	2.91E-09	4.34E-10	1.61E-09	1.41E-10	2.18E-09	4.92E-11	2.82E-10	3.36E-11	3.65E-10	4.47E-11	1.48E-10	1.02E-11	2.02E-10
8686	471127.97	3819484.62	5.26E-10	2.21E-09	1.99E-10	2.94E-09	4.38E-10	1.62E-09	1.43E-10	2.20E-09	4.97E-11	2.84E-10	3.39E-11	3.68E-10	4.52E-11	1.49E-10	1.03E-11	2.04E-10
8687	471124.22	3819493.42	5.31E-10	2.23E-09	2.01E-10	2.96E-09	4.42E-10	1.64E-09	1.44E-10	2.23E-09	5.01E-11	2.87E-10	3.43E-11	3.71E-10	4.56E-11	1.50E-10	1.04E-11	2.06E-10
8688	471120.47	3819502.23	5.36E-10	2.25E-09	2.03E-10	2.99E-09	4.46E-10	1.65E-09	1.45E-10	2.25E-09	5.06E-11	2.90E-10	3.46E-11	3.75E-10	4.60E-11	1.52E-10	1.05E-11	2.08E-10
8689	471116.72	3819511.03	5.4E-10	2.27E-09	2.04E-10	3.01E-09	4.50E-10	1.67E-09	1.47E-10	2.26E-09	5.10E-11	2.92E-10	3.49E-11	3.78E-10	4.64E-11	1.53E-10	1.05E-11	2.10E-10
8690	471112.97	3819519.84	5.45E-10	2.29E-09	2.06E-10	3.04E-09	4.54E-10	1.68E-09	1.48E-10	2.28E-09	5.14E-11	2.95E-10	3.51E-11	3.81E-10	4.68E-11	1.54E-10	1.06E-11	2.12E-10
8691	471109.22	3819528.64	5.49E-10	2.31E-09	2.08E-10	3.06E-09	4.57E-10	1.69E-09	1.49E-10	2.30E-09	5.18E-11	2.97E-10	3.54E-11	3.84E-10	4.71E-11	1.55E-10	1.07E-11	2.13E-10
8692	471105.47	3819537.45	5.53E-10	2.32E-09	2.09E-10	3.09E-09	4.61E-10	1.71E-09	1.50E-10	2.32E-09	5.22E-11	2.99E-10	3.57E-11	3.87E-10	4.75E-11	1.57E-10	1.08E-11	2.15E-10
8693	471101.72	3819546.25	5.57E-10	2.34E-09	2.11E-10	3.11E-09	4.64E-10	1.72E-09	1.51E-10	2.33E-09	5.26E-11	3.01E-10	3.59E-11	3.90E-10	4.78E-11	1.58E-10	1.09E-11	2.16E-10
8694	471097.97	3819555.06	5.61E-10	2.36E-09	2.12E-10	3.13E-09	4.67E-10	1.73E-09	1.52E-10	2.35E-09	5.30E-11	3.03E-10	3.62E-11	3.92E-10	4.82E-11	1.59E-10	1.09E-11	2.18E-10
8695	471094.22	3819563.86	5.65E-10	2.37E-09	2.14E-10	3.15E-09	4.70E-10	1.74E-09	1.53E-10	2.37E-09	5.33E-11	3.05E-10	3.64E-11	3.95E-10	4.85E-11	1.60E-10	1.10E-11	2.19E-10
8696	471090.47	3819572.67	5.68E-10	2.39E-09	2.15E-10	3.17E-09	4.73E-10	1.75E-09	1.54E-10	2.38E-09	5.37E-11	3.07E-10	3.66E-11	3.97E-10	4.88E-11	1.61E-10	1.11E-11	2.21E-10

8697	471086.72	3819581.47	5.71E-10	2.40E-09	2.16E-10	3.19E-09	4.76E-10	1.76E-09	1.55E-10	2.39E-09	5.40E-11	3.09E-10	3.69E-11	4.00E-10	4.91E-11	1.62E-10	1.12E-11	2.22E-10
8698	471082.97	3819590.28	5.75E-10	2.41E-09	2.17E-10	3.21E-09	4.79E-10	1.77E-09	1.56E-10	2.41E-09	5.43E-11	3.11E-10	3.71E-11	4.02E-10	4.93E-11	1.63E-10	1.12E-11	2.23E-10
8699	471079.22	3819599.08	5.78E-10	2.43E-09	2.18E-10	3.22E-09	4.81E-10	1.78E-09	1.57E-10	2.42E-09	5.45E-11	3.12E-10	3.73E-11	4.04E-10	4.96E-11	1.63E-10	1.13E-11	2.24E-10
8700	471075.47	3819607.89	5.8E-10	2.44E-09	2.19E-10	3.24E-09	4.83E-10	1.79E-09	1.58E-10	2.43E-09	5.48E-11	3.14E-10	3.74E-11	4.06E-10	4.98E-11	1.64E-10	1.13E-11	2.25E-10
8701	471071.72	3819616.69	5.83E-10	2.45E-09	2.20E-10	3.25E-09	4.86E-10	1.80E-09	1.58E-10	2.44E-09	5.50E-11	3.15E-10	3.76E-11	4.08E-10	5.00E-11	1.65E-10	1.14E-11	2.26E-10
8702	471067.97	3819625.5	5.85E-10	2.46E-09	2.21E-10	3.26E-09	4.88E-10	1.81E-09	1.59E-10	2.45E-09	5.53E-11	3.16E-10	3.78E-11	4.09E-10	5.02E-11	1.66E-10	1.14E-11	2.27E-10
8703	471064.22	3819634.3	5.87E-10	2.47E-09	2.22E-10	3.28E-09	4.89E-10	1.81E-09	1.59E-10	2.46E-09	5.55E-11	3.18E-10	3.79E-11	4.11E-10	5.04E-11	1.66E-10	1.15E-11	2.28E-10
8704	471060.47	3819643.11	5.89E-10	2.48E-09	2.23E-10	3.29E-09	4.91E-10	1.82E-09	1.60E-10	2.47E-09	5.57E-11	3.19E-10	3.80E-11	4.12E-10	5.06E-11	1.67E-10	1.15E-11	2.29E-10
8705	471056.72	3819651.91	5.91E-10	2.48E-09	2.24E-10	3.30E-09	4.92E-10	1.82E-09	1.60E-10	2.48E-09	5.58E-11	3.20E-10	3.81E-11	4.13E-10	5.07E-11	1.67E-10	1.15E-11	2.30E-10
8706	471052.97	3819660.72	5.93E-10	2.49E-09	2.24E-10	3.31E-09	4.94E-10	1.83E-09	1.61E-10	2.48E-09	5.60E-11	3.20E-10	3.82E-11	4.15E-10	5.09E-11	1.68E-10	1.16E-11	2.30E-10
8707	471049.22	3819669.52	5.94E-10	2.49E-09	2.25E-10	3.31E-09	4.95E-10	1.83E-09	1.61E-10	2.49E-09	5.61E-11	3.21E-10	3.83E-11	4.15E-10	5.10E-11	1.68E-10	1.16E-11	2.31E-10
8708	471045.47	3819678.33	5.95E-10	2.50E-09	2.25E-10	3.32E-09	4.95E-10	1.84E-09	1.61E-10	2.49E-09	5.62E-11	3.22E-10	3.84E-11	4.16E-10	5.11E-11	1.68E-10	1.16E-11	2.31E-10
8709	471041.72	3819687.13	5.96E-10	2.50E-09	2.25E-10	3.32E-09	4.96E-10	1.84E-09	1.62E-10	2.50E-09	5.62E-11	3.22E-10	3.84E-11	4.17E-10	5.11E-11	1.69E-10	1.16E-11	2.31E-10
8710	471015.48	3819748.77	5.95E-10	2.50E-09	2.25E-10	3.32E-09	4.96E-10	1.84E-09	1.62E-10	2.49E-09	5.62E-11	3.22E-10	3.84E-11	4.17E-10	5.11E-11	1.69E-10	1.16E-11	2.31E-10
8711	471011.73	3819757.57	5.95E-10	2.50E-09	2.25E-10	3.32E-09	4.95E-10	1.83E-09	1.61E-10	2.49E-09	5.61E-11	3.21E-10	3.84E-11	4.16E-10	5.10E-11	1.68E-10	1.16E-11	2.31E-10
8712	471007.98	3819766.38	5.94E-10	2.49E-09	2.25E-10	3.31E-09	4.95E-10	1.83E-09	1.61E-10	2.49E-09	5.61E-11	3.21E-10	3.83E-11	4.15E-10	5.10E-11	1.68E-10	1.16E-11	2.31E-10
8713	471004.23	3819775.18	5.93E-10	2.49E-09	2.24E-10	3.31E-09	4.94E-10	1.83E-09	1.61E-10	2.48E-09	5.60E-11	3.20E-10	3.82E-11	4.15E-10	5.09E-11	1.68E-10	1.16E-11	2.30E-10
8714	471000.48	3819783.99	5.91E-10	2.48E-09	2.24E-10	3.30E-09	4.93E-10	1.82E-09	1.61E-10	2.48E-09	5.58E-11	3.20E-10	3.81E-11	4.14E-10	5.08E-11	1.67E-10	1.15E-11	2.30E-10
8715	470996.73	3819792.79	5.9E-10	2.48E-09	2.23E-10	3.29E-09	4.91E-10	1.82E-09	1.60E-10	2.47E-09	5.57E-11	3.19E-10	3.81E-11	4.13E-10	5.06E-11	1.67E-10	1.15E-11	2.29E-10
8716	470992.98	3819801.6	5.89E-10	2.47E-09	2.23E-10	3.28E-09	4.90E-10	1.82E-09	1.60E-10	2.47E-09	5.56E-11	3.18E-10	3.80E-11	4.12E-10	5.05E-11	1.67E-10	1.15E-11	2.29E-10
8717	470989.23	3819810.4	5.87E-10	2.47E-09	2.22E-10	3.27E-09	4.89E-10	1.81E-09	1.59E-10	2.46E-09	5.54E-11	3.17E-10	3.79E-11	4.11E-10	5.04E-11	1.66E-10	1.15E-11	2.28E-10
8718	470985.48	3819819.21	5.85E-10	2.46E-09	2.21E-10	3.26E-09	4.88E-10	1.81E-09	1.59E-10	2.45E-09	5.53E-11	3.16E-10	3.78E-11	4.09E-10	5.02E-11	1.66E-10	1.14E-11	2.27E-10
8719	470981.73	3819828.01	5.84E-10	2.45E-09	2.21E-10	3.25E-09	4.86E-10	1.80E-09	1.58E-10	2.45E-09	5.51E-11	3.15E-10	3.76E-11	4.08E-10	5.01E-11	1.65E-10	1.14E-11	2.27E-10
8720	470977.98	3819836.82	5.82E-10	2.44E-09	2.20E-10	3.24E-09	4.85E-10	1.80E-09	1.58E-10	2.44E-09	5.49E-11	3.14E-10	3.75E-11	4.07E-10	4.99E-11	1.65E-10	1.14E-11	2.26E-10
8721	470974.23	3819845.62	5.8E-10	2.44E-09	2.19E-10	3.23E-09	4.83E-10	1.79E-09	1.57E-10	2.43E-09	5.48E-11	3.13E-10	3.74E-11	4.06E-10	4.98E-11	1.64E-10	1.13E-11	2.25E-10
8722	470970.48	3819854.42	5.78E-10	2.43E-09	2.19E-10	3.22E-09	4.81E-10	1.78E-09	1.57E-10	2.42E-09	5.46E-11	3.12E-10	3.73E-11	4.04E-10	4.96E-11	1.64E-10	1.13E-11	2.24E-10
8723	470966.73	3819863.23	5.76E-10	2.42E-09	2.18E-10	3.21E-09	4.80E-10	1.78E-09	1.56E-10	2.41E-09	5.44E-11	3.11E-10	3.71E-11	4.03E-10	4.94E-11	1.63E-10	1.12E-11	2.24E-10
8724	470962.98	3819872.03	5.74E-10	2.41E-09	2.17E-10	3.20E-09	4.78E-10	1.77E-09	1.56E-10	2.40E-09	5.42E-11	3.10E-10	3.70E-11	4.01E-10	4.93E-11	1.62E-10	1.12E-11	2.23E-10
8725	470959.23	3819880.84	5.72E-10	2.40E-09	2.16E-10	3.19E-09	4.76E-10	1.76E-09	1.55E-10	2.40E-09	5.40E-11	3.09E-10	3.69E-11	4.00E-10	4.91E-11	1.62E-10	1.12E-11	2.22E-10
8726	470955.48	3819889.64	5.7E-10	2.39E-09	2.15E-10	3.18E-09	4.74E-10	1.76E-09	1.55E-10	2.39E-09	5.38E-11	3.08E-10	3.67E-11	3.98E-10	4.89E-11	1.61E-10	1.11E-11	2.21E-10
8727	470951.73	3819898.45	5.67E-10	2.38E-09	2.15E-10	3.16E-09	4.73E-10	1.75E-09	1.54E-10	2.38E-09	5.36E-11	3.07E-10	3.66E-11	3.97E-10	4.87E-11	1.61E-10	1.11E-11	2.20E-10
8728	470947.98	3819907.25	5.65E-10	2.37E-09	2.14E-10	3.15E-09	4.71E-10	1.74E-09	1.53E-10	2.37E-09	5.34E-11	3.05E-10	3.64E-11	3.95E-10	4.85E-11	1.60E-10	1.10E-11	2.19E-10
8729	470944.23	3819916.06	5.63E-10	2.36E-09	2.13E-10	3.14E-09	4.69E-10	1.74E-09	1.53E-10	2.36E-09	5.31E-11	3.04E-10	3.63E-11	3.94E-10	4.83E-11	1.59E-10	1.10E-11	2.19E-10
8730	470940.48	3819924.86	5.6E-10	2.35E-09	2.12E-10	3.13E-09	4.67E-10	1.73E-09	1.52E-10	2.35E-09	5.29E-11	3.03E-10	3.61E-11	3.92E-10	4.81E-11	1.59E-10	1.09E-11	2.18E-10
8731	470936.73	3819933.67	5.58E-10	2.34E-09	2.11E-10	3.11E-09	4.65E-10	1.72E-09	1.51E-10	2.34E-09	5.27E-11	3.02E-10	3.60E-11	3.90E-10	4.79E-11	1.58E-10	1.09E-11	2.17E-10
8732	470921.73	3819968.89	5.48E-10	2.30E-09	2.07E-10	3.05E-09	4.56E-10	1.69E-09	1.49E-10	2.30E-09	5.17E-11	2.96E-10	3.53E-11	3.83E-10	4.70E-11	1.55E-10	1.07E-11	2.13E-10
8733	470917.98	3819977.69	5.45E-10	2.29E-09	2.06E-10	3.04E-09	4.54E-10	1.68E-09	1.48E-10	2.28E-09	5.15E-11	2.95E-10	3.52E-11	3.81E-10	4.68E-11	1.54E-10	1.06E-11	2.12E-10
8734	470914.23	3819986.5	5.42E-10	2.28E-09	2.05E-10	3.02E-09	4.52E-10	1.67E-09	1.47E-10	2.27E-09	5.12E-11	2.93E-10	3.50E-11	3.79E-10	4.65E-11	1.53E-10	1.06E-11	2.11E-10
8735	470910.48	3819995.3	5.39E-10	2.26E-09	2.04E-10	3.01E-09	4.49E-10	1.66E-09	1.46E-10	2.26E-09	5.09E-11	2.91E-10	3.48E-11	3.77E-10	4.63E-11	1.53E-10	1.05E-11	2.09E-10
8736	470906.73	3820004.11	5.36E-10	2.25E-09	2.03E-10	2.99E-09	4.47E-10	1.65E-09	1.46E-10	2.25E-09	5.06E-11	2.90E-10	3.46E-11	3.75E-10	4.60E-11	1.52E-10	1.05E-11	2.08E-10
8737	470902.98	3820012.91	5.33E-10	2.24E-09	2.02E-10	2.97E-09	4.44E-10	1.64E-09	1.45E-10	2.23E-09	5.03E-11	2.88E-10	3.44E-11	3.73E-10	4.58E-11	1.51E-10	1.04E-11	2.07E-10
8738	470899.23	3820021.72	5.3E-10	2.23E-09	2.00E-10	2.96E-09	4.41E-10	1.64E-09	1.44E-10	2.22E-09	5.00E-11	2.86E-10	3.42E-11	3.71E-10	4.55E-11	1.50E-10	1.03E-11	2.06E-10
8739	470895.48	3820030.52	5.27E-10	2.21E-09	1.99E-10	2.94E-09	4.39E-10	1.63E-09	1.43E-10	2.21E-09	4.97E-11	2.85E-10	3.40E-11	3.69E-10	4.52E-11	1.49E-10	1.03E-11	2.05E-10
8740	470891.73	3820039.33	5.24E-10	2.20E-09	1.98E-10	2.92E-09	4.36E-10	1.62E-09	1.42E-10	2.19E-09	4.94E-11	2.83E-10	3.38E-11	3.66E-10	4.49E-11	1.48E-10	1.02E-11	2.03E-10
8741	470887.98	3820048.13	5.2E-10	2.18E-09	1.97E-10	2.90E-09	4.33E-10	1.61E-09	1.41E-10	2.18E-09	4.91E-11	2.81E-10	3.36E-11	3.64E-10	4.47E-11	1.47E-10	1.01E-11	2.02E-10
8742	470884.23	3820056.94	5.17E-10	2.17E-09	1.95E-10	2.88E-09	4.30E-10	1.59E-09	1.40E-10	2.17E-09	4.88E-11	2.79E-10	3.33E-11	3.61E-10	4.44E-11	1.46E-10	1.01E-11	2.01E-10
8743	470871.6	3820069.29	5.17E-10	2.17E-09	1.96E-10	2.89E-09	4.31E-10	1.60E-09	1.40E-10	2.17E-09	4.88E-11	2.80E-10	3.34E-11	3.62E-10	4.44E-11	1.46E-10	1.01E-11	2.01E-10
8744	470862.71	3820072.84	5.21E-10	2.19E-09	1.97E-10	2.91E-09	4.34E-10	1.61E-09	1.41E-10	2.18E-09	4.92E-11	2.82E-10	3.36E-11	3.65E-10	4.47E-11	1.48E-10	1.02E-11	2.02E-10
8745	470853.82	3820076.4	5.25E-10	2.20E-09	1.98E-10	2.93E-09	4.37E-10	1.62E-09	1.42E-10	2.20E-09	4.96E-11	2.84E-10	3.38E-11	3.67E-10	4.50E-11	1.49E-10	1.02E-11	2.04E-10
8746	470844.94	3820079.95	5.28E-10	2.22E-09	2.00E-10	2.95E-09	4.40E-10	1.63E-09	1.43E-10	2.21E-09	4.99E-11	2.86E-10	3.41E-11	3.70E-10	4.54E-11	1.50E-10	1.03E-11	2.05E-10

8747	470836.05	3820083.5	5.32E-10	2.23E-09	2.01E-10	2.97E-09	4.43E-10	1.64E-09	1.44E-10	2.23E-09	5.02E-11	2.88E-10	3.43E-11	3.72E-10	4.57E-11	1.51E-10	1.04E-11	2.07E-10
8748	470827.16	3820087.05	5.36E-10	2.25E-09	2.03E-10	2.99E-09	4.46E-10	1.65E-09	1.45E-10	2.24E-09	5.06E-11	2.90E-10	3.45E-11	3.75E-10	4.60E-11	1.52E-10	1.05E-11	2.08E-10
8749	470818.27	3820090.6	5.39E-10	2.26E-09	2.04E-10	3.01E-09	4.49E-10	1.66E-09	1.46E-10	2.26E-09	5.09E-11	2.92E-10	3.48E-11	3.77E-10	4.63E-11	1.53E-10	1.05E-11	2.09E-10
8750	470809.39	3820094.15	5.43E-10	2.28E-09	2.05E-10	3.03E-09	4.52E-10	1.68E-09	1.47E-10	2.28E-09	5.13E-11	2.94E-10	3.50E-11	3.80E-10	4.66E-11	1.54E-10	1.06E-11	2.11E-10
8751	470800.5	3820097.7	5.47E-10	2.30E-09	2.07E-10	3.05E-09	4.55E-10	1.69E-09	1.48E-10	2.29E-09	5.16E-11	2.96E-10	3.53E-11	3.82E-10	4.69E-11	1.55E-10	1.07E-11	2.12E-10
8752	470791.61	3820101.25	5.51E-10	2.31E-09	2.08E-10	3.07E-09	4.59E-10	1.70E-09	1.49E-10	2.31E-09	5.20E-11	2.98E-10	3.55E-11	3.85E-10	4.73E-11	1.56E-10	1.07E-11	2.14E-10
8753	470782.73	3820104.8	5.54E-10	2.33E-09	2.10E-10	3.09E-09	4.62E-10	1.71E-09	1.51E-10	2.32E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.15E-10
8754	470773.84	3820108.35	5.58E-10	2.35E-09	2.11E-10	3.11E-09	4.65E-10	1.72E-09	1.52E-10	2.34E-09	5.27E-11	3.02E-10	3.60E-11	3.91E-10	4.79E-11	1.58E-10	1.09E-11	2.17E-10
8755	470764.95	3820111.9	5.62E-10	2.36E-09	2.13E-10	3.14E-09	4.69E-10	1.74E-09	1.53E-10	2.36E-09	5.31E-11	3.04E-10	3.63E-11	3.93E-10	4.83E-11	1.59E-10	1.10E-11	2.18E-10
8756	470684.97	3820143.86	6.06E-10	2.54E-09	2.29E-10	3.38E-09	5.04E-10	1.87E-09	1.64E-10	2.54E-09	5.72E-11	3.27E-10	3.91E-11	4.24E-10	5.20E-11	1.71E-10	1.18E-11	2.35E-10
8757	470676.08	3820147.41	6.11E-10	2.57E-09	2.31E-10	3.41E-09	5.09E-10	1.89E-09	1.66E-10	2.56E-09	5.77E-11	3.31E-10	3.94E-11	4.28E-10	5.25E-11	1.73E-10	1.19E-11	2.37E-10
8758	470667.2	3820150.96	6.18E-10	2.59E-09	2.34E-10	3.45E-09	5.14E-10	1.91E-09	1.68E-10	2.59E-09	5.83E-11	3.34E-10	3.98E-11	4.32E-10	5.30E-11	1.75E-10	1.21E-11	2.40E-10
8759	470658.31	3820154.51	6.24E-10	2.62E-09	2.36E-10	3.48E-09	5.20E-10	1.93E-09	1.69E-10	2.62E-09	5.90E-11	3.38E-10	4.03E-11	4.37E-10	5.36E-11	1.77E-10	1.22E-11	2.42E-10
8760	470649.42	3820158.06	6.31E-10	2.65E-09	2.39E-10	3.52E-09	5.26E-10	1.95E-09	1.71E-10	2.65E-09	5.96E-11	3.41E-10	4.07E-11	4.42E-10	5.42E-11	1.79E-10	1.23E-11	2.45E-10
8761	470640.53	3820161.61	6.38E-10	2.68E-09	2.41E-10	3.56E-09	5.32E-10	1.97E-09	1.73E-10	2.67E-09	6.03E-11	3.45E-10	4.12E-11	4.47E-10	5.48E-11	1.81E-10	1.25E-11	2.48E-10
8762	470631.65	3820165.16	6.46E-10	2.71E-09	2.44E-10	3.60E-09	5.38E-10	1.99E-09	1.75E-10	2.71E-09	6.10E-11	3.49E-10	4.16E-11	4.52E-10	5.54E-11	1.83E-10	1.26E-11	2.51E-10
8763	470622.76	3820168.72	6.53E-10	2.74E-09	2.47E-10	3.64E-09	5.44E-10	2.02E-09	1.77E-10	2.74E-09	6.17E-11	3.53E-10	4.21E-11	4.57E-10	5.61E-11	1.85E-10	1.27E-11	2.54E-10
8764	470613.87	3820172.27	6.61E-10	2.78E-09	2.50E-10	3.69E-09	5.50E-10	2.04E-09	1.79E-10	2.77E-09	6.24E-11	3.57E-10	4.26E-11	4.62E-10	5.67E-11	1.87E-10	1.29E-11	2.57E-10
8765	470604.99	3820175.82	6.69E-10	2.81E-09	2.53E-10	3.73E-09	5.57E-10	2.06E-09	1.82E-10	2.80E-09	6.31E-11	3.61E-10	4.31E-11	4.68E-10	5.74E-11	1.89E-10	1.30E-11	2.60E-10
8766	470596.1	3820179.37	6.77E-10	2.84E-09	2.56E-10	3.77E-09	5.64E-10	2.09E-09	1.84E-10	2.84E-09	6.39E-11	3.66E-10	4.37E-11	4.73E-10	5.81E-11	1.92E-10	1.32E-11	2.63E-10
8767	470587.21	3820182.92	6.85E-10	2.88E-09	2.59E-10	3.82E-09	5.71E-10	2.11E-09	1.86E-10	2.87E-09	6.47E-11	3.70E-10	4.42E-11	4.79E-10	5.88E-11	1.94E-10	1.34E-11	2.66E-10
8768	470578.32	3820186.47	6.93E-10	2.91E-09	2.62E-10	3.87E-09	5.78E-10	2.14E-09	1.88E-10	2.91E-09	6.55E-11	3.75E-10	4.47E-11	4.85E-10	5.95E-11	1.96E-10	1.35E-11	2.69E-10
8769	470569.44	3820190.02	7.02E-10	2.95E-09	2.65E-10	3.91E-09	5.85E-10	2.17E-09	1.91E-10	2.94E-09	6.63E-11	3.79E-10	4.53E-11	4.91E-10	6.02E-11	1.99E-10	1.37E-11	2.73E-10
8770	470560.55	3820193.57	7.1E-10	2.98E-09	2.69E-10	3.96E-09	5.92E-10	2.19E-09	1.93E-10	2.98E-09	6.71E-11	3.84E-10	4.58E-11	4.97E-10	6.10E-11	2.01E-10	1.39E-11	2.76E-10
8771	470551.66	3820197.12	7.19E-10	3.02E-09	2.72E-10	4.01E-09	5.99E-10	2.22E-09	1.95E-10	3.01E-09	6.79E-11	3.89E-10	4.64E-11	5.03E-10	6.17E-11	2.04E-10	1.40E-11	2.79E-10
8772	470542.78	3820200.67	7.27E-10	3.05E-09	2.75E-10	4.06E-09	6.06E-10	2.24E-09	1.97E-10	3.05E-09	6.87E-11	3.93E-10	4.69E-11	5.09E-10	6.24E-11	2.06E-10	1.42E-11	2.83E-10
8773	470533.89	3820204.22	7.36E-10	3.09E-09	2.78E-10	4.10E-09	6.13E-10	2.27E-09	2.00E-10	3.08E-09	6.95E-11	3.98E-10	4.75E-11	5.15E-10	6.32E-11	2.08E-10	1.44E-11	2.86E-10
8774	470525	3820207.77	7.44E-10	3.12E-09	2.81E-10	4.15E-09	6.20E-10	2.30E-09	2.02E-10	3.12E-09	7.03E-11	4.02E-10	4.80E-11	5.21E-10	6.39E-11	2.11E-10	1.45E-11	2.89E-10
8775	470516.12	3820211.32	7.52E-10	3.16E-09	2.84E-10	4.20E-09	6.27E-10	2.32E-09	2.04E-10	3.15E-09	7.10E-11	4.07E-10	4.85E-11	5.26E-10	6.46E-11	2.13E-10	1.47E-11	2.92E-10
8776	470507.23	3820214.88	7.6E-10	3.19E-09	2.87E-10	4.24E-09	6.33E-10	2.35E-09	2.06E-10	3.18E-09	7.18E-11	4.11E-10	4.90E-11	5.32E-10	6.52E-11	2.15E-10	1.48E-11	2.95E-10
8777	470498.34	3820218.43	7.68E-10	3.22E-09	2.90E-10	4.28E-09	6.39E-10	2.37E-09	2.08E-10	3.22E-09	7.25E-11	4.15E-10	4.95E-11	5.37E-10	6.59E-11	2.17E-10	1.50E-11	2.98E-10
8778	470489.45	3820221.98	7.75E-10	3.25E-09	2.93E-10	4.32E-09	6.45E-10	2.39E-09	2.10E-10	3.25E-09	7.32E-11	4.19E-10	5.00E-11	5.42E-10	6.65E-11	2.19E-10	1.51E-11	3.01E-10
8779	470480.57	3820225.53	7.82E-10	3.28E-09	2.96E-10	4.36E-09	6.51E-10	2.41E-09	2.12E-10	3.28E-09	7.38E-11	4.23E-10	5.04E-11	5.47E-10	6.71E-11	2.21E-10	1.53E-11	3.04E-10
8780	470471.68	3820229.08	7.88E-10	3.31E-09	2.98E-10	4.40E-09	6.57E-10	2.43E-09	2.14E-10	3.30E-09	7.44E-11	4.26E-10	5.08E-11	5.51E-10	6.77E-11	2.23E-10	1.54E-11	3.06E-10
8781	470462.79	3820232.63	7.95E-10	3.34E-09	3.01E-10	4.43E-09	6.62E-10	2.45E-09	2.16E-10	3.33E-09	7.50E-11	4.30E-10	5.13E-11	5.56E-10	6.82E-11	2.25E-10	1.55E-11	3.09E-10
8782	470453.91	3820236.18	8.01E-10	3.36E-09	3.03E-10	4.47E-09	6.67E-10	2.47E-09	2.17E-10	3.35E-09	7.56E-11	4.33E-10	5.16E-11	5.60E-10	6.87E-11	2.27E-10	1.56E-11	3.11E-10
8783	470445.02	3820239.73	8.06E-10	3.39E-09	3.05E-10	4.50E-09	6.71E-10	2.49E-09	2.19E-10	3.38E-09	7.61E-11	4.36E-10	5.20E-11	5.64E-10	6.92E-11	2.28E-10	1.57E-11	3.13E-10
8784	470436.13	3820243.28	8.11E-10	3.41E-09	3.07E-10	4.53E-09	6.76E-10	2.50E-09	2.20E-10	3.40E-09	7.66E-11	4.39E-10	5.23E-11	5.68E-10	6.97E-11	2.30E-10	1.58E-11	3.15E-10
8785	470427.25	3820246.83	8.16E-10	3.43E-09	3.09E-10	4.55E-09	6.80E-10	2.52E-09	2.22E-10	3.42E-09	7.71E-11	4.41E-10	5.27E-11	5.71E-10	7.01E-11	2.31E-10	1.59E-11	3.17E-10
8786	470418.36	3820250.38	8.21E-10	3.45E-09	3.10E-10	4.58E-09	6.84E-10	2.53E-09	2.23E-10	3.44E-09	7.75E-11	4.44E-10	5.29E-11	5.74E-10	7.05E-11	2.32E-10	1.60E-11	3.19E-10
8787	470409.47	3820253.93	8.25E-10	3.47E-09	3.12E-10	4.60E-09	6.87E-10	2.55E-09	2.24E-10	3.46E-09	7.79E-11	4.46E-10	5.32E-11	5.77E-10	7.08E-11	2.34E-10	1.61E-11	3.20E-10
8788	470400.58	3820257.48	8.29E-10	3.48E-09	3.14E-10	4.62E-09	6.91E-10	2.56E-09	2.25E-10	3.47E-09	7.83E-11	4.48E-10	5.35E-11	5.80E-10	7.12E-11	2.35E-10	1.62E-11	3.22E-10
8789	470391.7	3820261.04	8.33E-10	3.50E-09	3.15E-10	4.65E-09	6.94E-10	2.57E-09	2.26E-10	3.49E-09	7.87E-11	4.50E-10	5.37E-11	5.83E-10	7.15E-11	2.36E-10	1.63E-11	3.24E-10
8790	470382.81	3820264.59	8.36E-10	3.51E-09	3.16E-10	4.67E-09	6.97E-10	2.58E-09	2.27E-10	3.50E-09	7.90E-11	4.52E-10	5.40E-11	5.85E-10	7.18E-11	2.37E-10	1.63E-11	3.25E-10
8791	470373.92	3820268.14	8.4E-10	3.53E-09	3.18E-10	4.68E-09	6.99E-10	2.59E-09	2.28E-10	3.52E-09	7.93E-11	4.54E-10	5.42E-11	5.87E-10	7.21E-11	2.38E-10	1.64E-11	3.26E-10
8792	470365.04	3820271.69	8.43E-10	3.54E-09	3.19E-10	4.70E-09	7.02E-10	2.60E-09	2.29E-10	3.53E-09	7.96E-11	4.56E-10	5.44E-11	5.90E-10	7.24E-11	2.39E-10	1.64E-11	3.27E-10
8793	470356.15	3820275.24	8.46E-10	3.55E-09	3.20E-10	4.72E-09	7.05E-10	2.61E-09	2.30E-10	3.54E-09	7.99E-11	4.57E-10	5.46E-11	5.92E-10	7.26E-11	2.39E-10	1.65E-11	3.29E-10
8794	470347.26	3820278.79	8.49E-10	3.57E-09	3.21E-10	4.74E-09	7.07E-10	2.62E-09	2.30E-10	3.56E-09	8.02E-11	4.59E-10	5.48E-11	5.94E-10	7.29E-11	2.40E-10	1.66E-11	3.30E-10
8795	470338.37	3820282.34	8.52E-10	3.58E-09	3.22E-10	4.75E-09	7.10E-10	2.63E-09	2.31E-10	3.57E-09	8.05E-11	4.61E-10	5.50E-11	5.96E-10	7.32E-11	2.41E-10	1.66E-11	3.31E-10
8796	470329.49	3820285.89	8.56E-10	3.59E-09	3.24E-10	4.77E-09	7.13E-10	2.64E-09	2.32E-10	3.59E-09	8.08E-11	4.63E-10	5.52E-11	5.99E-10	7.35E-11	2.42E-10	1.67E-11	3.32E-10

8797	470320.6	3820289.44	8.59E-10	3.61E-09	3.25E-10	4.79E-09	7.15E-10	2.65E-09	2.33E-10	3.60E-09	8.11E-11	4.64E-10	5.54E-11	6.01E-10	7.37E-11	2.43E-10	1.68E-11	3.34E-10
8798	470311.71	3820292.99	8.62E-10	3.62E-09	3.26E-10	4.81E-09	7.18E-10	2.66E-09	2.34E-10	3.61E-09	8.14E-11	4.66E-10	5.56E-11	6.03E-10	7.40E-11	2.44E-10	1.68E-11	3.35E-10
8799	470302.83	3820296.54	8.65E-10	3.63E-09	3.27E-10	4.82E-09	7.20E-10	2.67E-09	2.35E-10	3.62E-09	8.16E-11	4.67E-10	5.58E-11	6.05E-10	7.42E-11	2.45E-10	1.69E-11	3.36E-10
8800	470293.94	3820300.09	8.68E-10	3.64E-09	3.28E-10	4.84E-09	7.23E-10	2.68E-09	2.36E-10	3.64E-09	8.19E-11	4.69E-10	5.60E-11	6.07E-10	7.45E-11	2.46E-10	1.69E-11	3.37E-10
8801	470285.05	3820303.65	8.71E-10	3.66E-09	3.29E-10	4.86E-09	7.25E-10	2.69E-09	2.36E-10	3.65E-09	8.22E-11	4.71E-10	5.62E-11	6.09E-10	7.47E-11	2.46E-10	1.70E-11	3.38E-10
8802	470276.17	3820307.2	8.73E-10	3.67E-09	3.30E-10	4.87E-09	7.27E-10	2.69E-09	2.37E-10	3.66E-09	8.25E-11	4.72E-10	5.63E-11	6.11E-10	7.50E-11	2.47E-10	1.70E-11	3.39E-10
8803	471139.22	3819458.2	5.11E-10	2.15E-09	1.93E-10	2.85E-09	4.26E-10	1.58E-09	1.39E-10	2.14E-09	4.82E-11	2.76E-10	3.30E-11	3.57E-10	4.39E-11	1.45E-10	9.97E-12	1.98E-10
8804	471139.3	3819448.56	5.09E-10	2.14E-09	1.93E-10	2.84E-09	4.24E-10	1.57E-09	1.38E-10	2.13E-09	4.81E-11	2.75E-10	3.29E-11	3.56E-10	4.37E-11	1.44E-10	9.94E-12	1.98E-10
8805	471139.38	3819438.91	5.08E-10	2.13E-09	1.92E-10	2.83E-09	4.23E-10	1.57E-09	1.38E-10	2.13E-09	4.80E-11	2.75E-10	3.28E-11	3.55E-10	4.36E-11	1.44E-10	9.91E-12	1.97E-10
8806	471139.47	3819429.26	5.06E-10	2.13E-09	1.91E-10	2.82E-09	4.22E-10	1.56E-09	1.37E-10	2.12E-09	4.78E-11	2.74E-10	3.26E-11	3.54E-10	4.34E-11	1.43E-10	9.87E-12	1.97E-10
8807	471139.55	3819419.61	5.04E-10	2.12E-09	1.91E-10	2.81E-09	4.20E-10	1.56E-09	1.37E-10	2.11E-09	4.76E-11	2.72E-10	3.25E-11	3.53E-10	4.33E-11	1.43E-10	9.83E-12	1.96E-10
8808	471139.63	3819409.96	5.02E-10	2.11E-09	1.90E-10	2.80E-09	4.18E-10	1.55E-09	1.36E-10	2.10E-09	4.74E-11	2.71E-10	3.24E-11	3.51E-10	4.31E-11	1.42E-10	9.79E-12	1.95E-10
8809	471139.71	3819400.31	4.99E-10	2.10E-09	1.89E-10	2.78E-09	4.16E-10	1.54E-09	1.35E-10	2.09E-09	4.71E-11	2.70E-10	3.22E-11	3.49E-10	4.28E-11	1.41E-10	9.74E-12	1.94E-10
8810	471139.8	3819390.67	4.96E-10	2.08E-09	1.88E-10	2.77E-09	4.13E-10	1.53E-09	1.35E-10	2.08E-09	4.69E-11	2.68E-10	3.20E-11	3.47E-10	4.26E-11	1.40E-10	9.68E-12	1.93E-10
8811	471139.88	3819381.02	4.93E-10	2.07E-09	1.86E-10	2.75E-09	4.11E-10	1.52E-09	1.34E-10	2.07E-09	4.66E-11	2.67E-10	3.18E-11	3.45E-10	4.23E-11	1.40E-10	9.62E-12	1.92E-10
8812	471139.96	3819371.37	4.9E-10	2.06E-09	1.85E-10	2.73E-09	4.08E-10	1.51E-09	1.33E-10	2.05E-09	4.62E-11	2.65E-10	3.16E-11	3.42E-10	4.20E-11	1.39E-10	9.55E-12	1.90E-10
8813	471140.05	3819361.72	4.86E-10	2.04E-09	1.84E-10	2.71E-09	4.05E-10	1.50E-09	1.32E-10	2.04E-09	4.59E-11	2.63E-10	3.13E-11	3.40E-10	4.17E-11	1.38E-10	9.48E-12	1.89E-10
8814	471140.13	3819352.07	4.82E-10	2.02E-09	1.82E-10	2.69E-09	4.01E-10	1.49E-09	1.31E-10	2.02E-09	4.55E-11	2.61E-10	3.11E-11	3.37E-10	4.14E-11	1.36E-10	9.40E-12	1.87E-10
8815	471140.21	3819342.43	4.78E-10	2.01E-09	1.81E-10	2.66E-09	3.98E-10	1.47E-09	1.30E-10	2.00E-09	4.51E-11	2.58E-10	3.08E-11	3.34E-10	4.10E-11	1.35E-10	9.32E-12	1.86E-10
8816	471140.62	3819294.18	4.52E-10	1.90E-09	1.71E-10	2.52E-09	3.76E-10	1.39E-09	1.23E-10	1.89E-09	4.27E-11	2.44E-10	2.91E-11	3.16E-10	3.88E-11	1.28E-10	8.82E-12	1.76E-10
8817	471140.71	3819284.54	4.46E-10	1.87E-09	1.69E-10	2.49E-09	3.71E-10	1.38E-09	1.21E-10	1.87E-09	4.21E-11	2.41E-10	2.88E-11	3.12E-10	3.83E-11	1.26E-10	8.70E-12	1.73E-10
8818	471140.79	3819274.89	4.4E-10	1.85E-09	1.66E-10	2.45E-09	3.66E-10	1.36E-09	1.19E-10	1.84E-09	4.15E-11	2.38E-10	2.84E-11	3.08E-10	3.77E-11	1.24E-10	8.58E-12	1.71E-10
8819	471140.87	3819265.24	4.33E-10	1.82E-09	1.64E-10	2.42E-09	3.61E-10	1.34E-09	1.18E-10	1.82E-09	4.09E-11	2.34E-10	2.79E-11	3.03E-10	3.72E-11	1.23E-10	8.45E-12	1.68E-10
8820	471140.96	3819255.59	4.27E-10	1.79E-09	1.61E-10	2.38E-09	3.55E-10	1.32E-09	1.16E-10	1.79E-09	4.03E-11	2.31E-10	2.75E-11	2.98E-10	3.66E-11	1.21E-10	8.32E-12	1.66E-10
8821	471141.04	3819245.94	4.2E-10	1.76E-09	1.59E-10	2.34E-09	3.50E-10	1.30E-09	1.14E-10	1.76E-09	3.96E-11	2.27E-10	2.71E-11	2.94E-10	3.60E-11	1.19E-10	8.19E-12	1.63E-10
8822	471215.44	3819467.74	4.35E-10	1.83E-09	1.64E-10	2.43E-09	3.62E-10	1.34E-09	1.18E-10	1.82E-09	4.11E-11	2.35E-10	2.81E-11	3.04E-10	3.73E-11	1.23E-10	8.49E-12	1.69E-10
8823	471211.67	3819476.6	4.39E-10	1.84E-09	1.66E-10	2.45E-09	3.66E-10	1.35E-09	1.19E-10	1.84E-09	4.15E-11	2.37E-10	2.83E-11	3.07E-10	3.77E-11	1.24E-10	8.57E-12	1.71E-10
8824	471207.9	3819485.45	4.43E-10	1.86E-09	1.68E-10	2.47E-09	3.69E-10	1.37E-09	1.20E-10	1.86E-09	4.18E-11	2.40E-10	2.86E-11	3.10E-10	3.80E-11	1.25E-10	8.65E-12	1.72E-10
8825	471204.13	3819494.31	4.47E-10	1.88E-09	1.69E-10	2.49E-09	3.72E-10	1.38E-09	1.21E-10	1.87E-09	4.22E-11	2.42E-10	2.88E-11	3.13E-10	3.84E-11	1.27E-10	8.72E-12	1.74E-10
8826	471200.36	3819503.16	4.51E-10	1.89E-09	1.71E-10	2.51E-09	3.76E-10	1.39E-09	1.22E-10	1.89E-09	4.26E-11	2.44E-10	2.91E-11	3.15E-10	3.87E-11	1.28E-10	8.80E-12	1.75E-10
8827	471196.59	3819512.01	4.55E-10	1.91E-09	1.72E-10	2.54E-09	3.79E-10	1.40E-09	1.23E-10	1.90E-09	4.29E-11	2.46E-10	2.93E-11	3.18E-10	3.90E-11	1.29E-10	8.87E-12	1.77E-10
8828	471192.82	3819520.87	4.58E-10	1.92E-09	1.73E-10	2.56E-09	3.82E-10	1.41E-09	1.24E-10	1.92E-09	4.33E-11	2.48E-10	2.96E-11	3.21E-10	3.93E-11	1.30E-10	8.94E-12	1.78E-10
8829	471189.05	3819529.72	4.62E-10	1.94E-09	1.75E-10	2.58E-09	3.85E-10	1.43E-09	1.25E-10	1.94E-09	4.36E-11	2.50E-10	2.98E-11	3.23E-10	3.96E-11	1.31E-10	9.01E-12	1.79E-10
8830	471185.28	3819538.58	4.65E-10	1.95E-09	1.76E-10	2.60E-09	3.88E-10	1.44E-09	1.26E-10	1.95E-09	4.39E-11	2.52E-10	3.00E-11	3.26E-10	3.99E-11	1.32E-10	9.08E-12	1.81E-10
8831	471181.51	3819547.43	4.69E-10	1.97E-09	1.77E-10	2.61E-09	3.90E-10	1.45E-09	1.27E-10	1.96E-09	4.43E-11	2.53E-10	3.02E-11	3.28E-10	4.02E-11	1.33E-10	9.14E-12	1.82E-10
8832	471177.74	3819556.28	4.72E-10	1.98E-09	1.78E-10	2.63E-09	3.93E-10	1.46E-09	1.28E-10	1.98E-09	4.46E-11	2.55E-10	3.04E-11	3.30E-10	4.05E-11	1.34E-10	9.21E-12	1.83E-10
8833	471173.97	3819565.14	4.75E-10	2.00E-09	1.80E-10	2.65E-09	3.96E-10	1.47E-09	1.29E-10	1.99E-09	4.49E-11	2.57E-10	3.06E-11	3.32E-10	4.08E-11	1.34E-10	9.27E-12	1.85E-10
8834	471170.2	3819573.99	4.78E-10	2.01E-09	1.81E-10	2.67E-09	3.98E-10	1.48E-09	1.30E-10	2.00E-09	4.52E-11	2.59E-10	3.08E-11	3.34E-10	4.10E-11	1.35E-10	9.33E-12	1.86E-10
8835	471143.8	3819635.97	4.96E-10	2.08E-09	1.88E-10	2.77E-09	4.13E-10	1.53E-09	1.35E-10	2.08E-09	4.69E-11	2.68E-10	3.20E-11	3.47E-10	4.26E-11	1.40E-10	9.68E-12	1.93E-10
8836	471140.03	3819644.82	4.98E-10	2.09E-09	1.88E-10	2.78E-09	4.15E-10	1.54E-09	1.35E-10	2.09E-09	4.71E-11	2.69E-10	3.21E-11	3.49E-10	4.28E-11	1.41E-10	9.72E-12	1.94E-10
8837	471136.26	3819653.68	5E-10	2.10E-09	1.89E-10	2.79E-09	4.17E-10	1.54E-09	1.36E-10	2.10E-09	4.72E-11	2.70E-10	3.23E-11	3.50E-10	4.29E-11	1.42E-10	9.76E-12	1.94E-10
8838	471132.49	3819662.53	5.02E-10	2.11E-09	1.90E-10	2.80E-09	4.18E-10	1.55E-09	1.36E-10	2.10E-09	4.74E-11	2.71E-10	3.24E-11	3.51E-10	4.31E-11	1.42E-10	9.79E-12	1.95E-10
8839	471128.72	3819671.39	5.03E-10	2.11E-09	1.90E-10	2.81E-09	4.19E-10	1.55E-09	1.37E-10	2.11E-09	4.75E-11	2.72E-10	3.25E-11	3.52E-10	4.32E-11	1.43E-10	9.82E-12	1.96E-10
8840	471124.95	3819680.24	5.05E-10	2.12E-09	1.91E-10	2.82E-09	4.20E-10	1.56E-09	1.37E-10	2.12E-09	4.77E-11	2.73E-10	3.26E-11	3.53E-10	4.33E-11	1.43E-10	9.85E-12	1.96E-10
8841	471121.18	3819689.1	5.06E-10	2.13E-09	1.91E-10	2.82E-09	4.22E-10	1.56E-09	1.37E-10	2.12E-09	4.78E-11	2.74E-10	3.26E-11	3.54E-10	4.34E-11	1.43E-10	9.87E-12	1.97E-10
8842	471117.41	3819697.95	5.07E-10	2.13E-09	1.92E-10	2.83E-09	4.22E-10	1.56E-09	1.38E-10	2.12E-09	4.79E-11	2.74E-10	3.27E-11	3.55E-10	4.35E-11	1.44E-10	9.90E-12	1.97E-10
8843	471113.64	3819706.8	5.08E-10	2.13E-09	1.92E-10	2.83E-09	4.23E-10	1.57E-09	1.38E-10	2.13E-09	4.80E-11	2.75E-10	3.28E-11	3.55E-10	4.36E-11	1.44E-10	9.91E-12	1.97E-10
8844	471109.87	3819715.66	5.09E-10	2.14E-09	1.92E-10	2.84E-09	4.24E-10	1.57E-09	1.38E-10	2.13E-09	4.80E-11	2.75E-10	3.28E-11	3.56E-10	4.37E-11	1.44E-10	9.93E-12	1.98E-10
8845	471106.09	3819724.51	5.09E-10	2.14E-09	1.93E-10	2.84E-09	4.24E-10	1.57E-09	1.38E-10	2.13E-09	4.81E-11	2.75E-10	3.29E-11	3.56E-10	4.37E-11	1.44E-10	9.94E-12	1.98E-10
8846	471102.32	3819733.37	5.1E-10	2.14E-09	1.93E-10	2.84E-09	4.25E-10	1.57E-09	1.38E-10	2.14E-09	4.81E-11	2.76E-10	3.29E-11	3.57E-10	4.38E-11	1.44E-10	9.95E-12	1.98E-10

8847	471098.55	3819742.22	5.1E-10	2.14E-09	1.93E-10	2.84E-09	4.25E-10	1.57E-09	1.38E-10	2.14E-09	4.82E-11	2.76E-10	3.29E-11	3.57E-10	4.38E-11	1.44E-10	9.95E-12	1.98E-10
8848	471094.78	3819751.07	5.1E-10	2.14E-09	1.93E-10	2.84E-09	4.25E-10	1.57E-09	1.38E-10	2.14E-09	4.82E-11	2.76E-10	3.29E-11	3.57E-10	4.38E-11	1.44E-10	9.95E-12	1.98E-10
8849	471091.01	3819759.93	5.1E-10	2.14E-09	1.93E-10	2.84E-09	4.25E-10	1.57E-09	1.38E-10	2.14E-09	4.82E-11	2.76E-10	3.29E-11	3.57E-10	4.38E-11	1.44E-10	9.95E-12	1.98E-10
8850	471087.24	3819768.78	5.1E-10	2.14E-09	1.93E-10	2.84E-09	4.25E-10	1.57E-09	1.38E-10	2.14E-09	4.81E-11	2.76E-10	3.29E-11	3.57E-10	4.38E-11	1.44E-10	9.94E-12	1.98E-10
8851	471083.47	3819777.64	5.09E-10	2.14E-09	1.93E-10	2.84E-09	4.24E-10	1.57E-09	1.38E-10	2.13E-09	4.81E-11	2.75E-10	3.29E-11	3.56E-10	4.37E-11	1.44E-10	9.94E-12	1.98E-10
8852	471079.7	3819786.49	5.09E-10	2.14E-09	1.92E-10	2.84E-09	4.24E-10	1.57E-09	1.38E-10	2.13E-09	4.80E-11	2.75E-10	3.28E-11	3.56E-10	4.37E-11	1.44E-10	9.93E-12	1.98E-10
8853	471075.93	3819795.34	5.08E-10	2.13E-09	1.92E-10	2.83E-09	4.23E-10	1.57E-09	1.38E-10	2.13E-09	4.80E-11	2.75E-10	3.28E-11	3.55E-10	4.36E-11	1.44E-10	9.92E-12	1.97E-10
8854	471072.16	3819804.2	5.07E-10	2.13E-09	1.92E-10	2.83E-09	4.23E-10	1.57E-09	1.38E-10	2.13E-09	4.79E-11	2.74E-10	3.27E-11	3.55E-10	4.36E-11	1.44E-10	9.90E-12	1.97E-10
8855	471068.39	3819813.05	5.07E-10	2.13E-09	1.92E-10	2.83E-09	4.22E-10	1.56E-09	1.38E-10	2.12E-09	4.78E-11	2.74E-10	3.27E-11	3.54E-10	4.35E-11	1.43E-10	9.88E-12	1.97E-10
8856	471064.62	3819821.91	5.06E-10	2.12E-09	1.91E-10	2.82E-09	4.21E-10	1.56E-09	1.37E-10	2.12E-09	4.77E-11	2.73E-10	3.26E-11	3.54E-10	4.34E-11	1.43E-10	9.86E-12	1.96E-10
8857	471060.85	3819830.76	5.05E-10	2.12E-09	1.91E-10	2.81E-09	4.20E-10	1.56E-09	1.37E-10	2.11E-09	4.76E-11	2.73E-10	3.25E-11	3.53E-10	4.33E-11	1.43E-10	9.84E-12	1.96E-10
8858	471057.08	3819839.61	5.03E-10	2.11E-09	1.90E-10	2.81E-09	4.19E-10	1.55E-09	1.37E-10	2.11E-09	4.75E-11	2.72E-10	3.25E-11	3.52E-10	4.32E-11	1.42E-10	9.82E-12	1.96E-10
8859	471053.3	3819848.47	5.02E-10	2.11E-09	1.90E-10	2.80E-09	4.18E-10	1.55E-09	1.36E-10	2.10E-09	4.74E-11	2.72E-10	3.24E-11	3.51E-10	4.31E-11	1.42E-10	9.80E-12	1.95E-10
8860	471049.53	3819857.32	5.01E-10	2.10E-09	1.89E-10	2.79E-09	4.17E-10	1.55E-09	1.36E-10	2.10E-09	4.73E-11	2.71E-10	3.23E-11	3.50E-10	4.30E-11	1.42E-10	9.78E-12	1.95E-10
8861	471045.76	3819866.18	5E-10	2.10E-09	1.89E-10	2.79E-09	4.16E-10	1.54E-09	1.36E-10	2.09E-09	4.72E-11	2.70E-10	3.22E-11	3.49E-10	4.29E-11	1.41E-10	9.75E-12	1.94E-10
8862	471041.99	3819875.03	4.98E-10	2.09E-09	1.88E-10	2.78E-09	4.15E-10	1.54E-09	1.35E-10	2.09E-09	4.70E-11	2.69E-10	3.21E-11	3.48E-10	4.28E-11	1.41E-10	9.72E-12	1.94E-10
8863	471038.22	3819883.88	4.97E-10	2.09E-09	1.88E-10	2.77E-09	4.14E-10	1.53E-09	1.35E-10	2.08E-09	4.69E-11	2.69E-10	3.20E-11	3.47E-10	4.26E-11	1.41E-10	9.69E-12	1.93E-10
8864	471034.45	3819892.74	4.95E-10	2.08E-09	1.87E-10	2.76E-09	4.13E-10	1.53E-09	1.34E-10	2.08E-09	4.68E-11	2.68E-10	3.19E-11	3.46E-10	4.25E-11	1.40E-10	9.66E-12	1.92E-10
8865	471030.68	3819901.59	4.94E-10	2.07E-09	1.87E-10	2.75E-09	4.11E-10	1.52E-09	1.34E-10	2.07E-09	4.66E-11	2.67E-10	3.18E-11	3.45E-10	4.24E-11	1.40E-10	9.63E-12	1.92E-10
8866	471026.91	3819910.45	4.92E-10	2.07E-09	1.86E-10	2.75E-09	4.10E-10	1.52E-09	1.34E-10	2.06E-09	4.65E-11	2.66E-10	3.17E-11	3.44E-10	4.23E-11	1.39E-10	9.60E-12	1.91E-10
8867	471023.14	3819919.3	4.91E-10	2.06E-09	1.86E-10	2.74E-09	4.09E-10	1.51E-09	1.33E-10	2.06E-09	4.63E-11	2.65E-10	3.16E-11	3.43E-10	4.21E-11	1.39E-10	9.57E-12	1.91E-10
8868	471019.37	3819928.15	4.89E-10	2.05E-09	1.85E-10	2.73E-09	4.07E-10	1.51E-09	1.33E-10	2.05E-09	4.62E-11	2.64E-10	3.15E-11	3.42E-10	4.20E-11	1.38E-10	9.54E-12	1.90E-10
8869	471015.6	3819937.01	4.87E-10	2.05E-09	1.84E-10	2.72E-09	4.06E-10	1.50E-09	1.32E-10	2.04E-09	4.60E-11	2.64E-10	3.14E-11	3.41E-10	4.18E-11	1.38E-10	9.51E-12	1.89E-10
8870	471011.83	3819945.86	4.86E-10	2.04E-09	1.84E-10	2.71E-09	4.05E-10	1.50E-09	1.32E-10	2.04E-09	4.59E-11	2.63E-10	3.13E-11	3.40E-10	4.17E-11	1.38E-10	9.48E-12	1.89E-10
8871	471008.06	3819954.72	4.84E-10	2.03E-09	1.83E-10	2.70E-09	4.03E-10	1.49E-09	1.31E-10	2.03E-09	4.57E-11	2.62E-10	3.12E-11	3.39E-10	4.16E-11	1.37E-10	9.45E-12	1.88E-10
8872	471004.29	3819963.57	4.82E-10	2.03E-09	1.82E-10	2.69E-09	4.02E-10	1.49E-09	1.31E-10	2.02E-09	4.56E-11	2.61E-10	3.11E-11	3.37E-10	4.14E-11	1.37E-10	9.41E-12	1.87E-10
8873	471000.51	3819972.43	4.81E-10	2.02E-09	1.82E-10	2.68E-09	4.00E-10	1.48E-09	1.30E-10	2.01E-09	4.54E-11	2.60E-10	3.10E-11	3.36E-10	4.13E-11	1.36E-10	9.38E-12	1.87E-10
8874	470996.74	3819981.28	4.79E-10	2.01E-09	1.81E-10	2.67E-09	3.99E-10	1.48E-09	1.30E-10	2.01E-09	4.52E-11	2.59E-10	3.09E-11	3.35E-10	4.11E-11	1.36E-10	9.34E-12	1.86E-10
8875	470992.97	3819990.13	4.77E-10	2.00E-09	1.80E-10	2.66E-09	3.97E-10	1.47E-09	1.29E-10	2.00E-09	4.50E-11	2.58E-10	3.08E-11	3.34E-10	4.09E-11	1.35E-10	9.31E-12	1.85E-10
8876	470989.2	3819998.99	4.75E-10	1.99E-09	1.80E-10	2.65E-09	3.96E-10	1.47E-09	1.29E-10	1.99E-09	4.48E-11	2.57E-10	3.06E-11	3.32E-10	4.08E-11	1.34E-10	9.27E-12	1.84E-10
8877	470985.43	3820007.84	4.73E-10	1.99E-09	1.79E-10	2.64E-09	3.94E-10	1.46E-09	1.28E-10	1.98E-09	4.47E-11	2.56E-10	3.05E-11	3.31E-10	4.06E-11	1.34E-10	9.23E-12	1.84E-10
8878	470981.66	3820016.7	4.71E-10	1.98E-09	1.78E-10	2.63E-09	3.92E-10	1.45E-09	1.28E-10	1.97E-09	4.45E-11	2.55E-10	3.04E-11	3.30E-10	4.04E-11	1.33E-10	9.19E-12	1.83E-10
8879	470962.81	3820060.97	4.6E-10	1.93E-09	1.74E-10	2.57E-09	3.83E-10	1.42E-09	1.25E-10	1.93E-09	4.35E-11	2.49E-10	2.97E-11	3.22E-10	3.95E-11	1.30E-10	8.98E-12	1.79E-10
8880	470959.04	3820069.82	4.58E-10	1.92E-09	1.73E-10	2.55E-09	3.81E-10	1.41E-09	1.24E-10	1.92E-09	4.32E-11	2.47E-10	2.95E-11	3.20E-10	3.93E-11	1.30E-10	8.93E-12	1.78E-10
8881	470955.27	3820078.67	4.55E-10	1.91E-09	1.72E-10	2.54E-09	3.79E-10	1.41E-09	1.24E-10	1.91E-09	4.30E-11	2.46E-10	2.94E-11	3.19E-10	3.91E-11	1.29E-10	8.88E-12	1.77E-10
8882	470951.5	3820087.53	4.53E-10	1.90E-09	1.71E-10	2.53E-09	3.77E-10	1.40E-09	1.23E-10	1.90E-09	4.28E-11	2.45E-10	2.92E-11	3.17E-10	3.89E-11	1.28E-10	8.84E-12	1.76E-10
8883	470947.72	3820096.38	4.5E-10	1.89E-09	1.70E-10	2.51E-09	3.75E-10	1.39E-09	1.22E-10	1.89E-09	4.25E-11	2.43E-10	2.90E-11	3.15E-10	3.87E-11	1.27E-10	8.79E-12	1.75E-10
8884	470943.95	3820105.24	4.48E-10	1.88E-09	1.69E-10	2.50E-09	3.73E-10	1.38E-09	1.22E-10	1.88E-09	4.23E-11	2.42E-10	2.89E-11	3.13E-10	3.84E-11	1.27E-10	8.74E-12	1.74E-10
8885	470940.18	3820114.09	4.45E-10	1.87E-09	1.68E-10	2.48E-09	3.71E-10	1.37E-09	1.21E-10	1.87E-09	4.20E-11	2.41E-10	2.87E-11	3.11E-10	3.82E-11	1.26E-10	8.69E-12	1.73E-10
8886	470927.48	3820126.51	4.46E-10	1.87E-09	1.69E-10	2.49E-09	3.71E-10	1.38E-09	1.21E-10	1.87E-09	4.21E-11	2.41E-10	2.87E-11	3.12E-10	3.83E-11	1.26E-10	8.70E-12	1.73E-10
8887	470918.54	3820130.09	4.49E-10	1.88E-09	1.70E-10	2.50E-09	3.74E-10	1.38E-09	1.22E-10	1.88E-09	4.24E-11	2.43E-10	2.89E-11	3.14E-10	3.85E-11	1.27E-10	8.75E-12	1.74E-10
8888	470909.6	3820133.66	4.52E-10	1.90E-09	1.71E-10	2.52E-09	3.76E-10	1.39E-09	1.23E-10	1.89E-09	4.26E-11	2.44E-10	2.91E-11	3.16E-10	3.88E-11	1.28E-10	8.81E-12	1.75E-10
8889	470900.67	3820137.23	4.55E-10	1.91E-09	1.72E-10	2.54E-09	3.79E-10	1.40E-09	1.23E-10	1.90E-09	4.29E-11	2.46E-10	2.93E-11	3.18E-10	3.90E-11	1.29E-10	8.87E-12	1.77E-10
8890	470891.73	3820140.8	4.57E-10	1.92E-09	1.73E-10	2.55E-09	3.81E-10	1.41E-09	1.24E-10	1.92E-09	4.32E-11	2.47E-10	2.95E-11	3.20E-10	3.93E-11	1.29E-10	8.93E-12	1.78E-10
8891	470882.79	3820144.37	4.6E-10	1.93E-09	1.74E-10	2.57E-09	3.83E-10	1.42E-09	1.25E-10	1.93E-09	4.35E-11	2.49E-10	2.97E-11	3.22E-10	3.95E-11	1.30E-10	8.98E-12	1.79E-10
8892	470873.86	3820147.94	4.63E-10	1.95E-09	1.75E-10	2.58E-09	3.86E-10	1.43E-09	1.26E-10	1.94E-09	4.37E-11	2.50E-10	2.99E-11	3.24E-10	3.98E-11	1.31E-10	9.04E-12	1.80E-10
8893	470864.92	3820151.51	4.66E-10	1.96E-09	1.76E-10	2.60E-09	3.88E-10	1.44E-09	1.26E-10	1.95E-09	4.40E-11	2.52E-10	3.01E-11	3.26E-10	4.00E-11	1.32E-10	9.09E-12	1.81E-10
8894	470855.98	3820155.08	4.69E-10	1.97E-09	1.77E-10	2.62E-09	3.91E-10	1.45E-09	1.27E-10	1.96E-09	4.43E-11	2.53E-10	3.02E-11	3.28E-10	4.02E-11	1.33E-10	9.15E-12	1.82E-10
8895	470847.05	3820158.65	4.72E-10	1.98E-09	1.78E-10	2.63E-09	3.93E-10	1.46E-09	1.28E-10	1.98E-09	4.45E-11	2.55E-10	3.04E-11	3.30E-10	4.05E-11	1.34E-10	9.21E-12	1.83E-10
8896	470838.11	3820162.22	4.75E-10	1.99E-09	1.80E-10	2.65E-09	3.95E-10	1.46E-09	1.29E-10	1.99E-09	4.48E-11	2.57E-10	3.06E-11	3.32E-10	4.08E-11	1.34E-10	9.26E-12	1.84E-10

8897	470829.17	3820165.79	4.78E-10	2.01E-09	1.81E-10	2.66E-09	3.98E-10	1.47E-09	1.30E-10	2.00E-09	4.51E-11	2.58E-10	3.08E-11	3.34E-10	4.10E-11	1.35E-10	9.32E-12	1.86E-10
8898	470820.24	3820169.36	4.81E-10	2.02E-09	1.82E-10	2.68E-09	4.00E-10	1.48E-09	1.31E-10	2.01E-09	4.54E-11	2.60E-10	3.10E-11	3.36E-10	4.13E-11	1.36E-10	9.38E-12	1.87E-10
8899	470811.3	3820172.93	4.84E-10	2.03E-09	1.83E-10	2.70E-09	4.03E-10	1.49E-09	1.31E-10	2.03E-09	4.57E-11	2.62E-10	3.12E-11	3.38E-10	4.15E-11	1.37E-10	9.44E-12	1.88E-10
8900	470802.36	3820176.5	4.87E-10	2.05E-09	1.84E-10	2.72E-09	4.06E-10	1.50E-09	1.32E-10	2.04E-09	4.60E-11	2.63E-10	3.14E-11	3.41E-10	4.18E-11	1.38E-10	9.50E-12	1.89E-10
8901	470793.43	3820180.07	4.9E-10	2.06E-09	1.85E-10	2.73E-09	4.08E-10	1.51E-09	1.33E-10	2.05E-09	4.63E-11	2.65E-10	3.16E-11	3.43E-10	4.21E-11	1.39E-10	9.57E-12	1.90E-10
8902	470784.49	3820183.64	4.94E-10	2.07E-09	1.87E-10	2.75E-09	4.11E-10	1.52E-09	1.34E-10	2.07E-09	4.66E-11	2.67E-10	3.18E-11	3.45E-10	4.24E-11	1.40E-10	9.63E-12	1.92E-10
8903	470704.06	3820215.78	5.32E-10	2.23E-09	2.01E-10	2.97E-09	4.43E-10	1.64E-09	1.44E-10	2.23E-09	5.02E-11	2.87E-10	3.43E-11	3.72E-10	4.56E-11	1.50E-10	1.04E-11	2.06E-10
8904	470695.12	3820219.35	5.37E-10	2.25E-09	2.03E-10	2.99E-09	4.47E-10	1.66E-09	1.46E-10	2.25E-09	5.07E-11	2.90E-10	3.46E-11	3.76E-10	4.61E-11	1.52E-10	1.05E-11	2.09E-10
8905	470686.19	3820222.92	5.42E-10	2.28E-09	2.05E-10	3.02E-09	4.52E-10	1.67E-09	1.47E-10	2.27E-09	5.12E-11	2.93E-10	3.50E-11	3.79E-10	4.66E-11	1.54E-10	1.06E-11	2.11E-10
8906	470677.25	3820226.49	5.48E-10	2.30E-09	2.07E-10	3.06E-09	4.56E-10	1.69E-09	1.49E-10	2.30E-09	5.17E-11	2.96E-10	3.53E-11	3.83E-10	4.70E-11	1.55E-10	1.07E-11	2.13E-10
8907	470668.31	3820230.06	5.54E-10	2.33E-09	2.09E-10	3.09E-09	4.61E-10	1.71E-09	1.50E-10	2.32E-09	5.23E-11	2.99E-10	3.57E-11	3.87E-10	4.76E-11	1.57E-10	1.08E-11	2.15E-10
8908	470659.38	3820233.63	5.6E-10	2.35E-09	2.12E-10	3.12E-09	4.66E-10	1.73E-09	1.52E-10	2.35E-09	5.29E-11	3.03E-10	3.61E-11	3.92E-10	4.81E-11	1.59E-10	1.09E-11	2.18E-10
8909	470650.44	3820237.2	5.66E-10	2.38E-09	2.14E-10	3.16E-09	4.72E-10	1.75E-09	1.54E-10	2.37E-09	5.35E-11	3.06E-10	3.65E-11	3.96E-10	4.86E-11	1.60E-10	1.10E-11	2.20E-10
8910	470641.5	3820240.77	5.73E-10	2.41E-09	2.17E-10	3.20E-09	4.77E-10	1.77E-09	1.56E-10	2.40E-09	5.41E-11	3.10E-10	3.70E-11	4.01E-10	4.92E-11	1.62E-10	1.12E-11	2.23E-10
8911	470632.57	3820244.34	5.8E-10	2.44E-09	2.19E-10	3.23E-09	4.83E-10	1.79E-09	1.57E-10	2.43E-09	5.48E-11	3.13E-10	3.74E-11	4.06E-10	4.98E-11	1.64E-10	1.13E-11	2.25E-10
8912	470623.63	3820247.92	5.87E-10	2.47E-09	2.22E-10	3.27E-09	4.89E-10	1.81E-09	1.59E-10	2.46E-09	5.54E-11	3.17E-10	3.79E-11	4.11E-10	5.04E-11	1.66E-10	1.15E-11	2.28E-10
8913	470614.69	3820251.49	5.94E-10	2.49E-09	2.25E-10	3.31E-09	4.95E-10	1.83E-09	1.61E-10	2.49E-09	5.61E-11	3.21E-10	3.83E-11	4.16E-10	5.10E-11	1.68E-10	1.16E-11	2.31E-10
8914	470605.76	3820255.06	6.01E-10	2.52E-09	2.27E-10	3.35E-09	5.01E-10	1.85E-09	1.63E-10	2.52E-09	5.68E-11	3.25E-10	3.88E-11	4.20E-10	5.16E-11	1.70E-10	1.17E-11	2.33E-10
8915	470596.82	3820258.63	6.08E-10	2.55E-09	2.30E-10	3.39E-09	5.07E-10	1.88E-09	1.65E-10	2.55E-09	5.74E-11	3.29E-10	3.92E-11	4.26E-10	5.22E-11	1.72E-10	1.19E-11	2.36E-10
8916	470587.88	3820262.2	6.15E-10	2.58E-09	2.33E-10	3.43E-09	5.13E-10	1.90E-09	1.67E-10	2.58E-09	5.81E-11	3.33E-10	3.97E-11	4.31E-10	5.28E-11	1.74E-10	1.20E-11	2.39E-10
8917	470578.95	3820265.77	6.23E-10	2.61E-09	2.35E-10	3.47E-09	5.19E-10	1.92E-09	1.69E-10	2.61E-09	5.88E-11	3.37E-10	4.02E-11	4.36E-10	5.35E-11	1.76E-10	1.21E-11	2.42E-10
8918	470570.01	3820269.34	6.3E-10	2.64E-09	2.38E-10	3.51E-09	5.25E-10	1.94E-09	1.71E-10	2.64E-09	5.95E-11	3.40E-10	4.06E-11	4.41E-10	5.41E-11	1.78E-10	1.23E-11	2.45E-10
8919	470561.07	3820272.91	6.37E-10	2.67E-09	2.41E-10	3.55E-09	5.30E-10	1.96E-09	1.73E-10	2.67E-09	6.01E-11	3.44E-10	4.11E-11	4.45E-10	5.47E-11	1.80E-10	1.24E-11	2.47E-10
8920	470552.14	3820276.48	6.44E-10	2.70E-09	2.43E-10	3.59E-09	5.36E-10	1.99E-09	1.75E-10	2.70E-09	6.08E-11	3.48E-10	4.15E-11	4.50E-10	5.53E-11	1.82E-10	1.26E-11	2.50E-10
8921	470543.2	3820280.05	6.5E-10	2.73E-09	2.46E-10	3.63E-09	5.42E-10	2.01E-09	1.77E-10	2.73E-09	6.14E-11	3.52E-10	4.19E-11	4.55E-10	5.58E-11	1.84E-10	1.27E-11	2.53E-10
8922	470534.26	3820283.62	6.57E-10	2.76E-09	2.48E-10	3.66E-09	5.47E-10	2.03E-09	1.78E-10	2.75E-09	6.20E-11	3.55E-10	4.24E-11	4.60E-10	5.64E-11	1.86E-10	1.28E-11	2.55E-10
8923	470525.33	3820287.19	6.63E-10	2.79E-09	2.51E-10	3.70E-09	5.53E-10	2.05E-09	1.80E-10	2.78E-09	6.26E-11	3.59E-10	4.28E-11	4.64E-10	5.69E-11	1.88E-10	1.29E-11	2.58E-10
8924	470516.39	3820290.76	6.69E-10	2.81E-09	2.53E-10	3.73E-09	5.58E-10	2.07E-09	1.82E-10	2.81E-09	6.32E-11	3.62E-10	4.32E-11	4.68E-10	5.75E-11	1.90E-10	1.31E-11	2.60E-10
8925	470507.45	3820294.33	6.75E-10	2.84E-09	2.55E-10	3.77E-09	5.63E-10	2.08E-09	1.83E-10	2.83E-09	6.38E-11	3.65E-10	4.36E-11	4.72E-10	5.80E-11	1.91E-10	1.32E-11	2.62E-10
8926	470498.52	3820297.9	6.81E-10	2.86E-09	2.58E-10	3.80E-09	5.67E-10	2.10E-09	1.85E-10	2.85E-09	6.43E-11	3.68E-10	4.39E-11	4.76E-10	5.85E-11	1.93E-10	1.33E-11	2.65E-10
8927	470489.58	3820301.47	6.87E-10	2.88E-09	2.60E-10	3.83E-09	5.72E-10	2.12E-09	1.86E-10	2.88E-09	6.48E-11	3.71E-10	4.43E-11	4.80E-10	5.89E-11	1.94E-10	1.34E-11	2.67E-10
8928	470480.64	3820305.04	6.92E-10	2.90E-09	2.62E-10	3.86E-09	5.76E-10	2.13E-09	1.88E-10	2.90E-09	6.53E-11	3.74E-10	4.46E-11	4.84E-10	5.94E-11	1.96E-10	1.35E-11	2.69E-10
8929	470471.71	3820308.62	6.96E-10	2.92E-09	2.63E-10	3.88E-09	5.80E-10	2.15E-09	1.89E-10	2.92E-09	6.58E-11	3.76E-10	4.49E-11	4.87E-10	5.98E-11	1.97E-10	1.36E-11	2.70E-10
8930	470462.77	3820312.19	7E-10	2.94E-09	2.65E-10	3.91E-09	5.83E-10	2.16E-09	1.90E-10	2.93E-09	6.61E-11	3.79E-10	4.52E-11	4.90E-10	6.01E-11	1.98E-10	1.37E-11	2.72E-10
8931	470453.83	3820315.76	7.04E-10	2.96E-09	2.66E-10	3.93E-09	5.87E-10	2.17E-09	1.91E-10	2.95E-09	6.65E-11	3.81E-10	4.54E-11	4.93E-10	6.05E-11	1.99E-10	1.37E-11	2.74E-10
8932	470444.9	3820319.33	7.08E-10	2.97E-09	2.68E-10	3.95E-09	5.90E-10	2.18E-09	1.92E-10	2.97E-09	6.69E-11	3.83E-10	4.57E-11	4.95E-10	6.08E-11	2.00E-10	1.38E-11	2.75E-10
8933	470435.96	3820322.9	7.12E-10	2.99E-09	2.69E-10	3.97E-09	5.93E-10	2.20E-09	1.93E-10	2.98E-09	6.72E-11	3.85E-10	4.59E-11	4.98E-10	6.11E-11	2.01E-10	1.39E-11	2.76E-10
8934	470427.02	3820326.47	7.15E-10	3.00E-09	2.70E-10	3.99E-09	5.96E-10	2.21E-09	1.94E-10	3.00E-09	6.75E-11	3.87E-10	4.61E-11	5.00E-10	6.14E-11	2.02E-10	1.40E-11	2.78E-10
8935	470418.09	3820330.04	7.18E-10	3.02E-09	2.72E-10	4.01E-09	5.98E-10	2.22E-09	1.95E-10	3.01E-09	6.78E-11	3.88E-10	4.63E-11	5.02E-10	6.17E-11	2.03E-10	1.40E-11	2.79E-10
8936	470409.15	3820333.61	7.21E-10	3.03E-09	2.73E-10	4.02E-09	6.01E-10	2.23E-09	1.96E-10	3.02E-09	6.81E-11	3.90E-10	4.65E-11	5.05E-10	6.19E-11	2.04E-10	1.41E-11	2.80E-10
8937	470400.21	3820337.18	7.24E-10	3.04E-09	2.74E-10	4.04E-09	6.03E-10	2.23E-09	1.97E-10	3.03E-09	6.84E-11	3.92E-10	4.67E-11	5.07E-10	6.22E-11	2.05E-10	1.41E-11	2.81E-10
8938	470391.28	3820340.75	7.27E-10	3.05E-09	2.75E-10	4.05E-09	6.05E-10	2.24E-09	1.97E-10	3.05E-09	6.86E-11	3.93E-10	4.69E-11	5.08E-10	6.24E-11	2.06E-10	1.42E-11	2.82E-10
8939	470382.34	3820344.32	7.29E-10	3.06E-09	2.76E-10	4.07E-09	6.08E-10	2.25E-09	1.98E-10	3.06E-09	6.89E-11	3.94E-10	4.71E-11	5.10E-10	6.26E-11	2.06E-10	1.42E-11	2.83E-10
8940	470373.4	3820347.89	7.32E-10	3.07E-09	2.77E-10	4.08E-09	6.10E-10	2.26E-09	1.99E-10	3.07E-09	6.91E-11	3.96E-10	4.72E-11	5.12E-10	6.28E-11	2.07E-10	1.43E-11	2.84E-10
8941	470364.47	3820351.46	7.34E-10	3.08E-09	2.78E-10	4.09E-09	6.12E-10	2.27E-09	1.99E-10	3.08E-09	6.93E-11	3.97E-10	4.74E-11	5.14E-10	6.30E-11	2.08E-10	1.43E-11	2.85E-10
8942	470355.53	3820355.03	7.37E-10	3.09E-09	2.79E-10	4.11E-09	6.13E-10	2.27E-09	2.00E-10	3.09E-09	6.96E-11	3.98E-10	4.75E-11	5.15E-10	6.32E-11	2.08E-10	1.44E-11	2.86E-10
8943	470346.59	3820358.6	7.39E-10	3.10E-09	2.79E-10	4.12E-09	6.15E-10	2.28E-09	2.01E-10	3.10E-09	6.98E-11	3.99E-10	4.77E-11	5.17E-10	6.34E-11	2.09E-10	1.44E-11	2.87E-10
8944	470337.66	3820362.17	7.41E-10	3.11E-09	2.80E-10	4.13E-09	6.17E-10	2.29E-09	2.01E-10	3.10E-09	7.00E-11	4.01E-10	4.78E-11	5.18E-10	6.36E-11	2.10E-10	1.45E-11	2.88E-10
8945	470328.72	3820365.74	7.43E-10	3.12E-09	2.81E-10	4.15E-09	6.19E-10	2.29E-09	2.02E-10	3.11E-09	7.02E-11	4.02E-10	4.79E-11	5.20E-10	6.38E-11	2.10E-10	1.45E-11	2.89E-10
8946	470319.78	3820369.32	7.45E-10	3.13E-09	2.82E-10	4.16E-09	6.21E-10	2.30E-09	2.02E-10	3.12E-09	7.04E-11	4.03E-10	4.81E-11	5.21E-10	6.40E-11	2.11E-10	1.45E-11	2.89E-10

8947	470310.85	3820372.89	7.47E-10	3.14E-09	2.83E-10	4.17E-09	6.23E-10	2.31E-09	2.03E-10	3.13E-09	7.06E-11	4.04E-10	4.82E-11	5.23E-10	6.42E-11	2.12E-10	1.46E-11	2.90E-10
8948	470301.91	3820376.46	7.5E-10	3.15E-09	2.84E-10	4.18E-09	6.24E-10	2.31E-09	2.04E-10	3.14E-09	7.08E-11	4.05E-10	4.84E-11	5.24E-10	6.44E-11	2.12E-10	1.46E-11	2.91E-10
8949	470292.97	3820380.03	7.52E-10	3.16E-09	2.84E-10	4.20E-09	6.27E-10	2.32E-09	2.04E-10	3.15E-09	7.10E-11	4.07E-10	4.85E-11	5.26E-10	6.46E-11	2.13E-10	1.47E-11	2.92E-10
8950	470284.04	3820383.6	7.55E-10	3.17E-09	2.85E-10	4.21E-09	6.28E-10	2.33E-09	2.05E-10	3.16E-09	7.13E-11	4.08E-10	4.87E-11	5.28E-10	6.48E-11	2.14E-10	1.47E-11	2.93E-10
8951	470275.1	3820387.17	7.57E-10	3.18E-09	2.86E-10	4.22E-09	6.30E-10	2.34E-09	2.05E-10	3.17E-09	7.15E-11	4.09E-10	4.88E-11	5.29E-10	6.50E-11	2.14E-10	1.48E-11	2.94E-10
8952	471219.22	3819458.89	4.31E-10	1.81E-09	1.63E-10	2.40E-09	3.59E-10	1.33E-09	1.17E-10	1.81E-09	4.07E-11	2.33E-10	2.78E-11	3.01E-10	3.70E-11	1.22E-10	8.41E-12	1.67E-10
8953	471219.3	3819449.24	4.3E-10	1.80E-09	1.62E-10	2.40E-09	3.58E-10	1.33E-09	1.17E-10	1.80E-09	4.06E-11	2.32E-10	2.77E-11	3.01E-10	3.69E-11	1.22E-10	8.38E-12	1.67E-10
8954	471219.38	3819439.59	4.28E-10	1.80E-09	1.62E-10	2.39E-09	3.57E-10	1.32E-09	1.16E-10	1.79E-09	4.04E-11	2.32E-10	2.76E-11	3.00E-10	3.68E-11	1.21E-10	8.36E-12	1.66E-10
8955	471219.79	3819391.35	4.19E-10	1.76E-09	1.58E-10	2.34E-09	3.49E-10	1.29E-09	1.14E-10	1.75E-09	3.95E-11	2.26E-10	2.70E-11	2.93E-10	3.59E-11	1.19E-10	8.17E-12	1.63E-10
8956	471219.88	3819381.7	4.16E-10	1.75E-09	1.57E-10	2.32E-09	3.47E-10	1.28E-09	1.13E-10	1.74E-09	3.93E-11	2.25E-10	2.68E-11	2.91E-10	3.57E-11	1.18E-10	8.12E-12	1.62E-10
8957	471219.96	3819372.06	4.13E-10	1.74E-09	1.56E-10	2.31E-09	3.44E-10	1.28E-09	1.12E-10	1.73E-09	3.90E-11	2.23E-10	2.67E-11	2.89E-10	3.55E-11	1.17E-10	8.07E-12	1.61E-10
8958	471220.04	3819362.41	4.11E-10	1.72E-09	1.55E-10	2.29E-09	3.42E-10	1.27E-09	1.11E-10	1.72E-09	3.88E-11	2.22E-10	2.65E-11	2.87E-10	3.52E-11	1.16E-10	8.01E-12	1.59E-10
8959	471220.13	3819352.76	4.07E-10	1.71E-09	1.54E-10	2.27E-09	3.39E-10	1.26E-09	1.11E-10	1.71E-09	3.85E-11	2.20E-10	2.63E-11	2.85E-10	3.50E-11	1.15E-10	7.95E-12	1.58E-10
8960	471220.21	3819343.11	4.04E-10	1.70E-09	1.53E-10	2.25E-09	3.37E-10	1.25E-09	1.10E-10	1.69E-09	3.82E-11	2.18E-10	2.61E-11	2.83E-10	3.47E-11	1.14E-10	7.88E-12	1.57E-10
8961	471220.29	3819333.46	4E-10	1.68E-09	1.51E-10	2.23E-09	3.34E-10	1.24E-09	1.09E-10	1.68E-09	3.78E-11	2.16E-10	2.58E-11	2.80E-10	3.44E-11	1.13E-10	7.81E-12	1.56E-10
8962	471220.37	3819323.82	3.97E-10	1.67E-09	1.50E-10	2.21E-09	3.30E-10	1.22E-09	1.08E-10	1.66E-09	3.75E-11	2.14E-10	2.56E-11	2.78E-10	3.41E-11	1.12E-10	7.74E-12	1.54E-10
8963	471220.46	3819314.17	3.93E-10	1.65E-09	1.49E-10	2.19E-09	3.27E-10	1.21E-09	1.07E-10	1.65E-09	3.71E-11	2.12E-10	2.53E-11	2.75E-10	3.37E-11	1.11E-10	7.66E-12	1.53E-10
8964	471220.54	3819304.52	3.88E-10	1.63E-09	1.47E-10	2.17E-09	3.24E-10	1.20E-09	1.05E-10	1.63E-09	3.67E-11	2.10E-10	2.51E-11	2.72E-10	3.33E-11	1.10E-10	7.58E-12	1.51E-10
8965	471220.62	3819294.87	3.84E-10	1.61E-09	1.45E-10	2.14E-09	3.20E-10	1.18E-09	1.04E-10	1.61E-09	3.63E-11	2.08E-10	2.48E-11	2.69E-10	3.30E-11	1.09E-10	7.49E-12	1.49E-10
8966	471220.7	3819285.22	3.79E-10	1.59E-09	1.43E-10	2.12E-09	3.16E-10	1.17E-09	1.03E-10	1.59E-09	3.58E-11	2.05E-10	2.45E-11	2.65E-10	3.26E-11	1.07E-10	7.40E-12	1.47E-10
8967	471220.79	3819275.57	3.75E-10	1.57E-09	1.42E-10	2.09E-09	3.12E-10	1.16E-09	1.02E-10	1.57E-09	3.54E-11	2.03E-10	2.42E-11	2.62E-10	3.22E-11	1.06E-10	7.31E-12	1.45E-10
8968	471220.87	3819265.93	3.7E-10	1.55E-09	1.40E-10	2.06E-09	3.08E-10	1.14E-09	1.00E-10	1.55E-09	3.49E-11	2.00E-10	2.38E-11	2.59E-10	3.17E-11	1.05E-10	7.21E-12	1.44E-10
8969	471220.95	3819256.28	3.65E-10	1.53E-09	1.38E-10	2.03E-09	3.04E-10	1.13E-09	9.90E-11	1.53E-09	3.44E-11	1.97E-10	2.35E-11	2.55E-10	3.13E-11	1.03E-10	7.11E-12	1.42E-10
8970	471221.04	3819246.63	3.59E-10	1.51E-09	1.36E-10	2.00E-09	2.99E-10	1.11E-09	9.75E-11	1.51E-09	3.39E-11	1.94E-10	2.32E-11	2.51E-10	3.08E-11	1.02E-10	7.01E-12	1.40E-10
8971	471269.27	3819529.88	3.93E-10	1.65E-09	1.49E-10	2.19E-09	3.27E-10	1.21E-09	1.07E-10	1.65E-09	3.71E-11	2.13E-10	2.54E-11	2.75E-10	3.38E-11	1.11E-10	7.67E-12	1.53E-10
8972	471265.53	3819538.66	3.96E-10	1.66E-09	1.50E-10	2.21E-09	3.30E-10	1.22E-09	1.08E-10	1.66E-09	3.74E-11	2.14E-10	2.55E-11	2.77E-10	3.40E-11	1.12E-10	7.73E-12	1.54E-10
8973	471261.79	3819547.45	3.99E-10	1.68E-09	1.51E-10	2.22E-09	3.32E-10	1.23E-09	1.08E-10	1.67E-09	3.77E-11	2.16E-10	2.57E-11	2.79E-10	3.42E-11	1.13E-10	7.78E-12	1.55E-10
8974	471258.05	3819556.24	4.02E-10	1.69E-09	1.52E-10	2.24E-09	3.35E-10	1.24E-09	1.09E-10	1.68E-09	3.79E-11	2.17E-10	2.59E-11	2.81E-10	3.45E-11	1.14E-10	7.84E-12	1.56E-10
8975	471254.3	3819565.02	4.04E-10	1.70E-09	1.53E-10	2.26E-09	3.37E-10	1.25E-09	1.10E-10	1.69E-09	3.82E-11	2.19E-10	2.61E-11	2.83E-10	3.47E-11	1.14E-10	7.89E-12	1.57E-10
8976	471250.56	3819573.81	4.07E-10	1.71E-09	1.54E-10	2.27E-09	3.39E-10	1.26E-09	1.10E-10	1.71E-09	3.84E-11	2.20E-10	2.62E-11	2.85E-10	3.49E-11	1.15E-10	7.94E-12	1.58E-10
8977	471246.82	3819582.6	4.09E-10	1.72E-09	1.55E-10	2.28E-09	3.41E-10	1.26E-09	1.11E-10	1.72E-09	3.87E-11	2.21E-10	2.64E-11	2.86E-10	3.52E-11	1.16E-10	7.99E-12	1.59E-10
8978	471243.08	3819591.39	4.12E-10	1.73E-09	1.56E-10	2.30E-09	3.43E-10	1.27E-09	1.12E-10	1.73E-09	3.89E-11	2.23E-10	2.66E-11	2.88E-10	3.54E-11	1.17E-10	8.04E-12	1.60E-10
8979	471239.34	3819600.17	4.14E-10	1.74E-09	1.57E-10	2.31E-09	3.45E-10	1.28E-09	1.12E-10	1.74E-09	3.91E-11	2.24E-10	2.67E-11	2.90E-10	3.56E-11	1.17E-10	8.08E-12	1.61E-10
8980	471235.59	3819608.96	4.17E-10	1.75E-09	1.58E-10	2.32E-09	3.47E-10	1.29E-09	1.13E-10	1.75E-09	3.93E-11	2.25E-10	2.69E-11	2.91E-10	3.58E-11	1.18E-10	8.13E-12	1.62E-10
8981	471231.85	3819617.75	4.19E-10	1.76E-09	1.58E-10	2.34E-09	3.49E-10	1.29E-09	1.14E-10	1.76E-09	3.96E-11	2.26E-10	2.70E-11	2.93E-10	3.60E-11	1.19E-10	8.17E-12	1.63E-10
8982	471228.11	3819626.54	4.21E-10	1.77E-09	1.59E-10	2.35E-09	3.51E-10	1.30E-09	1.14E-10	1.76E-09	3.98E-11	2.28E-10	2.72E-11	2.95E-10	3.61E-11	1.19E-10	8.21E-12	1.64E-10
8983	471224.37	3819635.32	4.23E-10	1.78E-09	1.60E-10	2.36E-09	3.52E-10	1.31E-09	1.15E-10	1.77E-09	4.00E-11	2.29E-10	2.73E-11	2.96E-10	3.63E-11	1.20E-10	8.26E-12	1.64E-10
8984	471220.62	3819644.11	4.25E-10	1.79E-09	1.61E-10	2.37E-09	3.54E-10	1.31E-09	1.15E-10	1.78E-09	4.01E-11	2.30E-10	2.74E-11	2.97E-10	3.65E-11	1.20E-10	8.29E-12	1.65E-10
8985	471216.88	3819652.9	4.27E-10	1.79E-09	1.61E-10	2.38E-09	3.56E-10	1.32E-09	1.16E-10	1.79E-09	4.03E-11	2.31E-10	2.75E-11	2.99E-10	3.67E-11	1.21E-10	8.33E-12	1.66E-10
8986	471213.14	3819661.69	4.29E-10	1.80E-09	1.62E-10	2.39E-09	3.57E-10	1.32E-09	1.16E-10	1.80E-09	4.05E-11	2.32E-10	2.77E-11	3.00E-10	3.68E-11	1.21E-10	8.37E-12	1.67E-10
8987	471209.4	3819670.47	4.3E-10	1.81E-09	1.63E-10	2.40E-09	3.58E-10	1.33E-09	1.17E-10	1.80E-09	4.06E-11	2.33E-10	2.78E-11	3.01E-10	3.69E-11	1.22E-10	8.40E-12	1.67E-10
8988	471205.65	3819679.26	4.32E-10	1.81E-09	1.63E-10	2.41E-09	3.60E-10	1.33E-09	1.17E-10	1.81E-09	4.08E-11	2.34E-10	2.79E-11	3.02E-10	3.71E-11	1.22E-10	8.43E-12	1.68E-10
8989	471201.91	3819688.05	4.33E-10	1.82E-09	1.64E-10	2.42E-09	3.61E-10	1.34E-09	1.18E-10	1.82E-09	4.09E-11	2.34E-10	2.80E-11	3.03E-10	3.72E-11	1.23E-10	8.46E-12	1.68E-10
8990	471198.17	3819696.84	4.35E-10	1.83E-09	1.64E-10	2.42E-09	3.62E-10	1.34E-09	1.18E-10	1.82E-09	4.11E-11	2.35E-10	2.80E-11	3.04E-10	3.73E-11	1.23E-10	8.48E-12	1.69E-10
8991	471194.43	3819705.62	4.36E-10	1.83E-09	1.65E-10	2.43E-09	3.63E-10	1.35E-09	1.18E-10	1.83E-09	4.12E-11	2.36E-10	2.81E-11	3.05E-10	3.74E-11	1.23E-10	8.51E-12	1.69E-10
8992	471190.68	3819714.41	4.37E-10	1.84E-09	1.65E-10	2.44E-09	3.64E-10	1.35E-09	1.19E-10	1.83E-09	4.13E-11	2.36E-10	2.82E-11	3.06E-10	3.75E-11	1.24E-10	8.53E-12	1.70E-10
8993	471186.94	3819723.2	4.38E-10	1.84E-09	1.66E-10	2.44E-09	3.65E-10	1.35E-09	1.19E-10	1.84E-09	4.14E-11	2.37E-10	2.83E-11	3.06E-10	3.76E-11	1.24E-10	8.55E-12	1.70E-10
8994	471183.2	3819731.99	4.39E-10	1.84E-09	1.66E-10	2.45E-09	3.66E-10	1.35E-09	1.19E-10	1.84E-09	4.14E-11	2.37E-10	2.83E-11	3.07E-10	3.77E-11	1.24E-10	8.56E-12	1.70E-10
8995	471179.46	3819740.77	4.4E-10	1.85E-09	1.66E-10	2.45E-09	3.66E-10	1.36E-09	1.19E-10	1.84E-09	4.15E-11	2.38E-10	2.83E-11	3.07E-10	3.77E-11	1.24E-10	8.58E-12	1.71E-10
8996	471175.72	3819749.56	4.4E-10	1.85E-09	1.66E-10	2.45E-09	3.67E-10	1.36E-09	1.19E-10	1.84E-09	4.16E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.25E-10	8.59E-12	1.71E-10

8997	471171.97	3819758.35	4.41E-10	1.85E-09	1.67E-10	2.46E-09	3.67E-10	1.36E-09	1.20E-10	1.85E-09	4.16E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.25E-10	8.60E-12	1.71E-10
8998	471168.23	3819767.14	4.41E-10	1.85E-09	1.67E-10	2.46E-09	3.67E-10	1.36E-09	1.20E-10	1.85E-09	4.16E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.25E-10	8.60E-12	1.71E-10
8999	471164.49	3819775.92	4.41E-10	1.85E-09	1.67E-10	2.46E-09	3.67E-10	1.36E-09	1.20E-10	1.85E-09	4.17E-11	2.38E-10	2.84E-11	3.09E-10	3.79E-11	1.25E-10	8.61E-12	1.71E-10
9000	471160.75	3819784.71	4.41E-10	1.85E-09	1.67E-10	2.46E-09	3.67E-10	1.36E-09	1.20E-10	1.85E-09	4.17E-11	2.38E-10	2.85E-11	3.09E-10	3.79E-11	1.25E-10	8.61E-12	1.71E-10
9001	471157	3819793.5	4.41E-10	1.85E-09	1.67E-10	2.46E-09	3.67E-10	1.36E-09	1.20E-10	1.85E-09	4.17E-11	2.38E-10	2.84E-11	3.09E-10	3.79E-11	1.25E-10	8.61E-12	1.71E-10
9002	471153.26	3819802.29	4.41E-10	1.85E-09	1.67E-10	2.46E-09	3.67E-10	1.36E-09	1.20E-10	1.85E-09	4.16E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.25E-10	8.60E-12	1.71E-10
9003	471149.52	3819811.07	4.41E-10	1.85E-09	1.67E-10	2.46E-09	3.67E-10	1.36E-09	1.20E-10	1.85E-09	4.16E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.25E-10	8.60E-12	1.71E-10
9004	471145.78	3819819.86	4.4E-10	1.85E-09	1.67E-10	2.46E-09	3.67E-10	1.36E-09	1.20E-10	1.84E-09	4.16E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.25E-10	8.59E-12	1.71E-10
9005	471142.03	3819828.65	4.4E-10	1.85E-09	1.66E-10	2.45E-09	3.66E-10	1.36E-09	1.19E-10	1.84E-09	4.15E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.25E-10	8.58E-12	1.71E-10
9006	471138.29	3819837.44	4.39E-10	1.84E-09	1.66E-10	2.45E-09	3.66E-10	1.36E-09	1.19E-10	1.84E-09	4.15E-11	2.37E-10	2.83E-11	3.07E-10	3.77E-11	1.24E-10	8.57E-12	1.71E-10
9007	471134.55	3819846.22	4.39E-10	1.84E-09	1.66E-10	2.45E-09	3.65E-10	1.35E-09	1.19E-10	1.84E-09	4.14E-11	2.37E-10	2.83E-11	3.07E-10	3.77E-11	1.24E-10	8.56E-12	1.70E-10
9008	471130.81	3819855.01	4.38E-10	1.84E-09	1.66E-10	2.44E-09	3.65E-10	1.35E-09	1.19E-10	1.83E-09	4.14E-11	2.37E-10	2.82E-11	3.06E-10	3.76E-11	1.24E-10	8.54E-12	1.70E-10
9009	471127.07	3819863.8	4.37E-10	1.84E-09	1.65E-10	2.44E-09	3.64E-10	1.35E-09	1.19E-10	1.83E-09	4.13E-11	2.36E-10	2.82E-11	3.06E-10	3.75E-11	1.24E-10	8.53E-12	1.70E-10
9010	471123.32	3819872.59	4.36E-10	1.83E-09	1.65E-10	2.43E-09	3.63E-10	1.35E-09	1.18E-10	1.83E-09	4.12E-11	2.36E-10	2.81E-11	3.05E-10	3.75E-11	1.23E-10	8.51E-12	1.69E-10
9011	471119.58	3819881.37	4.35E-10	1.83E-09	1.65E-10	2.43E-09	3.63E-10	1.34E-09	1.18E-10	1.82E-09	4.11E-11	2.35E-10	2.81E-11	3.05E-10	3.74E-11	1.23E-10	8.50E-12	1.69E-10
9012	471115.84	3819890.16	4.34E-10	1.82E-09	1.64E-10	2.42E-09	3.62E-10	1.34E-09	1.18E-10	1.82E-09	4.10E-11	2.35E-10	2.80E-11	3.04E-10	3.73E-11	1.23E-10	8.48E-12	1.69E-10
9013	471112.1	3819898.95	4.33E-10	1.82E-09	1.64E-10	2.42E-09	3.61E-10	1.34E-09	1.18E-10	1.82E-09	4.09E-11	2.34E-10	2.80E-11	3.03E-10	3.72E-11	1.23E-10	8.46E-12	1.68E-10
9014	471108.35	3819907.73	4.32E-10	1.82E-09	1.64E-10	2.41E-09	3.60E-10	1.33E-09	1.17E-10	1.81E-09	4.08E-11	2.34E-10	2.79E-11	3.02E-10	3.71E-11	1.22E-10	8.44E-12	1.68E-10
9015	471104.61	3819916.52	4.31E-10	1.81E-09	1.63E-10	2.41E-09	3.59E-10	1.33E-09	1.17E-10	1.81E-09	4.07E-11	2.33E-10	2.78E-11	3.02E-10	3.70E-11	1.22E-10	8.42E-12	1.68E-10
9016	471100.87	3819925.31	4.3E-10	1.81E-09	1.63E-10	2.40E-09	3.58E-10	1.33E-09	1.17E-10	1.80E-09	4.06E-11	2.33E-10	2.77E-11	3.01E-10	3.69E-11	1.22E-10	8.39E-12	1.67E-10
9017	471097.13	3819934.1	4.29E-10	1.80E-09	1.62E-10	2.39E-09	3.57E-10	1.32E-09	1.16E-10	1.80E-09	4.05E-11	2.32E-10	2.77E-11	3.00E-10	3.68E-11	1.21E-10	8.37E-12	1.67E-10
9018	471093.38	3819942.88	4.28E-10	1.80E-09	1.62E-10	2.39E-09	3.56E-10	1.32E-09	1.16E-10	1.79E-09	4.04E-11	2.31E-10	2.76E-11	2.99E-10	3.67E-11	1.21E-10	8.35E-12	1.66E-10
9019	471089.64	3819951.67	4.27E-10	1.79E-09	1.61E-10	2.38E-09	3.55E-10	1.32E-09	1.16E-10	1.79E-09	4.03E-11	2.31E-10	2.75E-11	2.99E-10	3.66E-11	1.21E-10	8.33E-12	1.66E-10
9020	471085.9	3819960.46	4.26E-10	1.79E-09	1.61E-10	2.37E-09	3.54E-10	1.31E-09	1.16E-10	1.78E-09	4.02E-11	2.30E-10	2.74E-11	2.98E-10	3.65E-11	1.20E-10	8.30E-12	1.65E-10
9021	471082.16	3819969.25	4.24E-10	1.78E-09	1.60E-10	2.37E-09	3.53E-10	1.31E-09	1.15E-10	1.78E-09	4.01E-11	2.29E-10	2.74E-11	2.97E-10	3.64E-11	1.20E-10	8.28E-12	1.65E-10
9022	471078.41	3819978.03	4.23E-10	1.78E-09	1.60E-10	2.36E-09	3.52E-10	1.31E-09	1.15E-10	1.77E-09	4.00E-11	2.29E-10	2.73E-11	2.96E-10	3.63E-11	1.20E-10	8.26E-12	1.64E-10
9023	471074.67	3819986.82	4.22E-10	1.77E-09	1.60E-10	2.35E-09	3.51E-10	1.30E-09	1.15E-10	1.77E-09	3.98E-11	2.28E-10	2.72E-11	2.95E-10	3.62E-11	1.19E-10	8.23E-12	1.64E-10
9024	471070.93	3819995.61	4.21E-10	1.77E-09	1.59E-10	2.35E-09	3.50E-10	1.30E-09	1.14E-10	1.76E-09	3.97E-11	2.27E-10	2.71E-11	2.94E-10	3.61E-11	1.19E-10	8.21E-12	1.63E-10
9025	471067.19	3820004.4	4.19E-10	1.76E-09	1.59E-10	2.34E-09	3.49E-10	1.29E-09	1.14E-10	1.76E-09	3.96E-11	2.27E-10	2.70E-11	2.93E-10	3.60E-11	1.19E-10	8.18E-12	1.63E-10
9026	471063.45	3820013.18	4.18E-10	1.76E-09	1.58E-10	2.33E-09	3.48E-10	1.29E-09	1.13E-10	1.75E-09	3.95E-11	2.26E-10	2.70E-11	2.92E-10	3.59E-11	1.18E-10	8.16E-12	1.62E-10
9027	471059.7	3820021.97	4.17E-10	1.75E-09	1.58E-10	2.32E-09	3.47E-10	1.29E-09	1.13E-10	1.75E-09	3.93E-11	2.25E-10	2.69E-11	2.91E-10	3.58E-11	1.18E-10	8.13E-12	1.62E-10
9028	471055.96	3820030.76	4.15E-10	1.74E-09	1.57E-10	2.32E-09	3.46E-10	1.28E-09	1.13E-10	1.74E-09	3.92E-11	2.25E-10	2.68E-11	2.91E-10	3.57E-11	1.18E-10	8.10E-12	1.61E-10
9029	471052.22	3820039.55	4.14E-10	1.74E-09	1.57E-10	2.31E-09	3.45E-10	1.28E-09	1.12E-10	1.73E-09	3.91E-11	2.24E-10	2.67E-11	2.90E-10	3.55E-11	1.17E-10	8.08E-12	1.61E-10
9030	471048.48	3820048.33	4.13E-10	1.73E-09	1.56E-10	2.30E-09	3.44E-10	1.27E-09	1.12E-10	1.73E-09	3.90E-11	2.23E-10	2.66E-11	2.89E-10	3.54E-11	1.17E-10	8.05E-12	1.60E-10
9031	471044.73	3820057.12	4.11E-10	1.73E-09	1.55E-10	2.29E-09	3.42E-10	1.27E-09	1.12E-10	1.72E-09	3.88E-11	2.22E-10	2.65E-11	2.88E-10	3.53E-11	1.16E-10	8.02E-12	1.60E-10
9032	471040.99	3820065.91	4.1E-10	1.72E-09	1.55E-10	2.28E-09	3.41E-10	1.26E-09	1.11E-10	1.72E-09	3.87E-11	2.21E-10	2.64E-11	2.87E-10	3.52E-11	1.16E-10	7.99E-12	1.59E-10
9033	471037.25	3820074.7	4.08E-10	1.71E-09	1.54E-10	2.28E-09	3.40E-10	1.26E-09	1.11E-10	1.71E-09	3.85E-11	2.21E-10	2.63E-11	2.85E-10	3.50E-11	1.15E-10	7.96E-12	1.58E-10
9034	471033.51	3820083.48	4.06E-10	1.71E-09	1.54E-10	2.27E-09	3.39E-10	1.25E-09	1.10E-10	1.70E-09	3.84E-11	2.20E-10	2.62E-11	2.84E-10	3.49E-11	1.15E-10	7.93E-12	1.58E-10
9035	471029.76	3820092.27	4.05E-10	1.70E-09	1.53E-10	2.26E-09	3.37E-10	1.25E-09	1.10E-10	1.70E-09	3.82E-11	2.19E-10	2.61E-11	2.83E-10	3.47E-11	1.15E-10	7.90E-12	1.57E-10
9036	471026.02	3820101.06	4.03E-10	1.69E-09	1.52E-10	2.25E-09	3.36E-10	1.24E-09	1.09E-10	1.69E-09	3.81E-11	2.18E-10	2.60E-11	2.82E-10	3.46E-11	1.14E-10	7.86E-12	1.57E-10
9037	471022.28	3820109.85	4.01E-10	1.69E-09	1.52E-10	2.24E-09	3.34E-10	1.24E-09	1.09E-10	1.68E-09	3.79E-11	2.17E-10	2.59E-11	2.81E-10	3.45E-11	1.14E-10	7.83E-12	1.56E-10
9038	471018.54	3820118.63	4E-10	1.68E-09	1.51E-10	2.23E-09	3.33E-10	1.23E-09	1.08E-10	1.67E-09	3.77E-11	2.16E-10	2.58E-11	2.80E-10	3.43E-11	1.13E-10	7.80E-12	1.55E-10
9039	471014.8	3820127.42	3.98E-10	1.67E-09	1.50E-10	2.22E-09	3.31E-10	1.23E-09	1.08E-10	1.67E-09	3.76E-11	2.15E-10	2.57E-11	2.78E-10	3.42E-11	1.13E-10	7.76E-12	1.55E-10
9040	471011.05	3820136.21	3.96E-10	1.66E-09	1.50E-10	2.21E-09	3.30E-10	1.22E-09	1.07E-10	1.66E-09	3.74E-11	2.14E-10	2.55E-11	2.77E-10	3.40E-11	1.12E-10	7.73E-12	1.54E-10
9041	471007.31	3820145	3.94E-10	1.65E-09	1.49E-10	2.20E-09	3.28E-10	1.22E-09	1.07E-10	1.65E-09	3.72E-11	2.13E-10	2.54E-11	2.76E-10	3.38E-11	1.12E-10	7.69E-12	1.53E-10
9042	471003.57	3820153.78	3.92E-10	1.65E-09	1.48E-10	2.19E-09	3.27E-10	1.21E-09	1.06E-10	1.64E-09	3.70E-11	2.12E-10	2.53E-11	2.74E-10	3.37E-11	1.11E-10	7.65E-12	1.52E-10
9043	470999.83	3820162.57	3.9E-10	1.64E-09	1.48E-10	2.18E-09	3.25E-10	1.20E-09	1.06E-10	1.63E-09	3.68E-11	2.11E-10	2.52E-11	2.73E-10	3.35E-11	1.10E-10	7.61E-12	1.51E-10
9044	470996.08	3820171.36	3.88E-10	1.63E-09	1.47E-10	2.16E-09	3.23E-10	1.20E-09	1.05E-10	1.63E-09	3.66E-11	2.10E-10	2.50E-11	2.71E-10	3.33E-11	1.10E-10	7.57E-12	1.51E-10
9045	470965.73	3820190.78	3.93E-10	1.65E-09	1.49E-10	2.19E-09	3.27E-10	1.21E-09	1.07E-10	1.65E-09	3.71E-11	2.13E-10	2.54E-11	2.75E-10	3.38E-11	1.11E-10	7.67E-12	1.53E-10
9046	470956.86	3820194.32	3.96E-10	1.66E-09	1.50E-10	2.21E-09	3.30E-10	1.22E-09	1.07E-10	1.66E-09	3.74E-11	2.14E-10	2.55E-11	2.77E-10	3.40E-11	1.12E-10	7.72E-12	1.54E-10

9047	470947.99	3820197.86	3.98E-10	1.67E-09	1.51E-10	2.22E-09	3.31E-10	1.23E-09	1.08E-10	1.67E-09	3.76E-11	2.15E-10	2.57E-11	2.78E-10	3.42E-11	1.13E-10	7.77E-12	1.55E-10
9048	470939.12	3820201.41	4E-10	1.68E-09	1.51E-10	2.23E-09	3.33E-10	1.24E-09	1.09E-10	1.68E-09	3.78E-11	2.16E-10	2.58E-11	2.80E-10	3.44E-11	1.13E-10	7.81E-12	1.55E-10
9049	470930.26	3820204.95	4.03E-10	1.69E-09	1.52E-10	2.25E-09	3.35E-10	1.24E-09	1.09E-10	1.69E-09	3.80E-11	2.18E-10	2.60E-11	2.82E-10	3.46E-11	1.14E-10	7.86E-12	1.56E-10
9050	470921.39	3820208.5	4.05E-10	1.70E-09	1.53E-10	2.26E-09	3.37E-10	1.25E-09	1.10E-10	1.70E-09	3.82E-11	2.19E-10	2.61E-11	2.83E-10	3.48E-11	1.15E-10	7.90E-12	1.57E-10
9051	470912.52	3820212.04	4.07E-10	1.71E-09	1.54E-10	2.27E-09	3.39E-10	1.26E-09	1.11E-10	1.71E-09	3.85E-11	2.20E-10	2.63E-11	2.85E-10	3.50E-11	1.15E-10	7.95E-12	1.58E-10
9052	470903.65	3820215.58	4.1E-10	1.72E-09	1.55E-10	2.28E-09	3.41E-10	1.26E-09	1.11E-10	1.72E-09	3.87E-11	2.21E-10	2.64E-11	2.87E-10	3.52E-11	1.16E-10	7.99E-12	1.59E-10
9053	470894.78	3820219.13	4.12E-10	1.73E-09	1.56E-10	2.30E-09	3.43E-10	1.27E-09	1.12E-10	1.73E-09	3.89E-11	2.23E-10	2.66E-11	2.88E-10	3.54E-11	1.17E-10	8.04E-12	1.60E-10
9054	470885.91	3820222.67	4.14E-10	1.74E-09	1.57E-10	2.31E-09	3.45E-10	1.28E-09	1.12E-10	1.74E-09	3.91E-11	2.24E-10	2.67E-11	2.90E-10	3.56E-11	1.17E-10	8.08E-12	1.61E-10
9055	470877.04	3820226.21	4.17E-10	1.75E-09	1.58E-10	2.32E-09	3.47E-10	1.29E-09	1.13E-10	1.75E-09	3.93E-11	2.25E-10	2.69E-11	2.91E-10	3.58E-11	1.18E-10	8.13E-12	1.62E-10
9056	470868.17	3820229.76	4.19E-10	1.76E-09	1.58E-10	2.34E-09	3.49E-10	1.29E-09	1.14E-10	1.76E-09	3.96E-11	2.27E-10	2.70E-11	2.93E-10	3.60E-11	1.19E-10	8.18E-12	1.63E-10
9057	470859.3	3820233.3	4.22E-10	1.77E-09	1.59E-10	2.35E-09	3.51E-10	1.30E-09	1.14E-10	1.77E-09	3.98E-11	2.28E-10	2.72E-11	2.95E-10	3.62E-11	1.19E-10	8.22E-12	1.64E-10
9058	470850.43	3820236.84	4.24E-10	1.78E-09	1.60E-10	2.36E-09	3.53E-10	1.31E-09	1.15E-10	1.78E-09	4.00E-11	2.29E-10	2.73E-11	2.97E-10	3.64E-11	1.20E-10	8.27E-12	1.65E-10
9059	470841.56	3820240.39	4.26E-10	1.79E-09	1.61E-10	2.38E-09	3.55E-10	1.32E-09	1.16E-10	1.79E-09	4.02E-11	2.30E-10	2.75E-11	2.98E-10	3.66E-11	1.21E-10	8.32E-12	1.66E-10
9060	470832.69	3820243.93	4.29E-10	1.80E-09	1.62E-10	2.39E-09	3.57E-10	1.32E-09	1.16E-10	1.80E-09	4.05E-11	2.32E-10	2.77E-11	3.00E-10	3.68E-11	1.21E-10	8.37E-12	1.67E-10
9061	470823.82	3820247.48	4.31E-10	1.81E-09	1.63E-10	2.41E-09	3.59E-10	1.33E-09	1.17E-10	1.81E-09	4.07E-11	2.33E-10	2.78E-11	3.02E-10	3.70E-11	1.22E-10	8.42E-12	1.68E-10
9062	470814.95	3820251.02	4.34E-10	1.82E-09	1.64E-10	2.42E-09	3.62E-10	1.34E-09	1.18E-10	1.82E-09	4.10E-11	2.35E-10	2.80E-11	3.04E-10	3.73E-11	1.23E-10	8.47E-12	1.69E-10
9063	470806.08	3820254.56	4.37E-10	1.84E-09	1.65E-10	2.44E-09	3.64E-10	1.35E-09	1.19E-10	1.83E-09	4.13E-11	2.36E-10	2.82E-11	3.06E-10	3.75E-11	1.24E-10	8.53E-12	1.70E-10
9064	470726.26	3820286.46	4.7E-10	1.98E-09	1.78E-10	2.62E-09	3.92E-10	1.45E-09	1.28E-10	1.97E-09	4.44E-11	2.54E-10	3.03E-11	3.29E-10	4.04E-11	1.33E-10	9.18E-12	1.83E-10
9065	470717.39	3820290	4.75E-10	2.00E-09	1.80E-10	2.65E-09	3.96E-10	1.47E-09	1.29E-10	1.99E-09	4.49E-11	2.57E-10	3.06E-11	3.32E-10	4.08E-11	1.34E-10	9.27E-12	1.85E-10
9066	470708.52	3820293.54	4.8E-10	2.02E-09	1.82E-10	2.68E-09	4.00E-10	1.48E-09	1.30E-10	2.01E-09	4.53E-11	2.59E-10	3.10E-11	3.36E-10	4.12E-11	1.36E-10	9.37E-12	1.86E-10
9067	470699.65	3820297.09	4.85E-10	2.04E-09	1.83E-10	2.71E-09	4.04E-10	1.50E-09	1.32E-10	2.03E-09	4.58E-11	2.62E-10	3.13E-11	3.39E-10	4.16E-11	1.37E-10	9.46E-12	1.88E-10
9068	470690.78	3820300.63	4.9E-10	2.06E-09	1.85E-10	2.73E-09	4.08E-10	1.51E-09	1.33E-10	2.05E-09	4.63E-11	2.65E-10	3.16E-11	3.43E-10	4.21E-11	1.39E-10	9.57E-12	1.90E-10
9069	470681.91	3820304.18	4.96E-10	2.08E-09	1.87E-10	2.76E-09	4.13E-10	1.53E-09	1.35E-10	2.08E-09	4.68E-11	2.68E-10	3.20E-11	3.47E-10	4.25E-11	1.40E-10	9.67E-12	1.92E-10
9070	470673.04	3820307.72	5.01E-10	2.10E-09	1.89E-10	2.79E-09	4.17E-10	1.55E-09	1.36E-10	2.10E-09	4.73E-11	2.71E-10	3.23E-11	3.50E-10	4.30E-11	1.42E-10	9.78E-12	1.95E-10
9071	470664.17	3820311.26	5.07E-10	2.13E-09	1.92E-10	2.83E-09	4.22E-10	1.56E-09	1.38E-10	2.12E-09	4.78E-11	2.74E-10	3.27E-11	3.54E-10	4.35E-11	1.43E-10	9.88E-12	1.97E-10
9072	470655.3	3820314.81	5.12E-10	2.15E-09	1.94E-10	2.86E-09	4.27E-10	1.58E-09	1.39E-10	2.15E-09	4.84E-11	2.77E-10	3.30E-11	3.58E-10	4.40E-11	1.45E-10	1.00E-11	1.99E-10
9073	470646.44	3820318.35	5.18E-10	2.18E-09	1.96E-10	2.89E-09	4.32E-10	1.60E-09	1.41E-10	2.17E-09	4.89E-11	2.80E-10	3.34E-11	3.62E-10	4.45E-11	1.47E-10	1.01E-11	2.01E-10
9074	470637.57	3820321.89	5.24E-10	2.20E-09	1.98E-10	2.92E-09	4.37E-10	1.62E-09	1.42E-10	2.20E-09	4.95E-11	2.83E-10	3.38E-11	3.67E-10	4.50E-11	1.48E-10	1.02E-11	2.04E-10
9075	470628.7	3820325.44	5.3E-10	2.23E-09	2.00E-10	2.96E-09	4.42E-10	1.64E-09	1.44E-10	2.22E-09	5.01E-11	2.87E-10	3.42E-11	3.71E-10	4.55E-11	1.50E-10	1.03E-11	2.06E-10
9076	470619.83	3820328.98	5.36E-10	2.25E-09	2.03E-10	2.99E-09	4.46E-10	1.65E-09	1.46E-10	2.25E-09	5.06E-11	2.90E-10	3.46E-11	3.75E-10	4.60E-11	1.52E-10	1.05E-11	2.08E-10
9077	470610.96	3820332.53	5.42E-10	2.28E-09	2.05E-10	3.02E-09	4.52E-10	1.67E-09	1.47E-10	2.27E-09	5.12E-11	2.93E-10	3.50E-11	3.79E-10	4.65E-11	1.53E-10	1.06E-11	2.11E-10
9078	470602.09	3820336.07	5.48E-10	2.30E-09	2.07E-10	3.06E-09	4.57E-10	1.69E-09	1.49E-10	2.30E-09	5.18E-11	2.96E-10	3.54E-11	3.84E-10	4.71E-11	1.55E-10	1.07E-11	2.13E-10
9079	470593.22	3820339.61	5.55E-10	2.33E-09	2.10E-10	3.09E-09	4.62E-10	1.71E-09	1.51E-10	2.32E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.15E-10
9080	470584.35	3820343.16	5.6E-10	2.35E-09	2.12E-10	3.13E-09	4.67E-10	1.73E-09	1.52E-10	2.35E-09	5.29E-11	3.03E-10	3.61E-11	3.92E-10	4.81E-11	1.59E-10	1.09E-11	2.18E-10
9081	470575.48	3820346.7	5.66E-10	2.38E-09	2.14E-10	3.16E-09	4.72E-10	1.75E-09	1.54E-10	2.37E-09	5.35E-11	3.06E-10	3.65E-11	3.96E-10	4.86E-11	1.60E-10	1.10E-11	2.20E-10
9082	470566.61	3820350.24	5.72E-10	2.40E-09	2.16E-10	3.19E-09	4.76E-10	1.76E-09	1.55E-10	2.40E-09	5.40E-11	3.09E-10	3.69E-11	4.00E-10	4.91E-11	1.62E-10	1.12E-11	2.22E-10
9083	470557.74	3820353.79	5.77E-10	2.42E-09	2.18E-10	3.22E-09	4.81E-10	1.78E-09	1.57E-10	2.42E-09	5.45E-11	3.12E-10	3.72E-11	4.04E-10	4.96E-11	1.63E-10	1.13E-11	2.24E-10
9084	470548.87	3820357.33	5.83E-10	2.45E-09	2.20E-10	3.25E-09	4.85E-10	1.80E-09	1.58E-10	2.44E-09	5.50E-11	3.15E-10	3.76E-11	4.08E-10	5.00E-11	1.65E-10	1.14E-11	2.26E-10
9085	470540	3820360.88	5.88E-10	2.47E-09	2.22E-10	3.28E-09	4.90E-10	1.81E-09	1.60E-10	2.46E-09	5.55E-11	3.18E-10	3.79E-11	4.11E-10	5.05E-11	1.66E-10	1.15E-11	2.28E-10
9086	470531.13	3820364.42	5.93E-10	2.49E-09	2.24E-10	3.31E-09	4.94E-10	1.83E-09	1.61E-10	2.48E-09	5.60E-11	3.20E-10	3.82E-11	4.15E-10	5.09E-11	1.68E-10	1.16E-11	2.30E-10
9087	470522.26	3820367.96	5.97E-10	2.51E-09	2.26E-10	3.33E-09	4.98E-10	1.84E-09	1.62E-10	2.50E-09	5.64E-11	3.23E-10	3.85E-11	4.18E-10	5.13E-11	1.69E-10	1.17E-11	2.32E-10
9088	470513.39	3820371.51	6.02E-10	2.53E-09	2.28E-10	3.36E-09	5.01E-10	1.86E-09	1.63E-10	2.52E-09	5.68E-11	3.25E-10	3.88E-11	4.21E-10	5.16E-11	1.70E-10	1.17E-11	2.34E-10
9089	470504.52	3820375.05	6.06E-10	2.54E-09	2.29E-10	3.38E-09	5.04E-10	1.87E-09	1.64E-10	2.54E-09	5.72E-11	3.27E-10	3.91E-11	4.24E-10	5.20E-11	1.71E-10	1.18E-11	2.35E-10
9090	470495.66	3820378.59	6.09E-10	2.56E-09	2.30E-10	3.40E-09	5.08E-10	1.88E-09	1.65E-10	2.55E-09	5.75E-11	3.29E-10	3.93E-11	4.26E-10	5.23E-11	1.72E-10	1.19E-11	2.37E-10
9091	470486.79	3820382.14	6.13E-10	2.57E-09	2.32E-10	3.42E-09	5.10E-10	1.89E-09	1.66E-10	2.57E-09	5.79E-11	3.31E-10	3.95E-11	4.29E-10	5.26E-11	1.73E-10	1.20E-11	2.38E-10
9092	470477.92	3820385.68	6.16E-10	2.59E-09	2.33E-10	3.44E-09	5.13E-10	1.90E-09	1.67E-10	2.58E-09	5.82E-11	3.33E-10	3.97E-11	4.31E-10	5.29E-11	1.74E-10	1.20E-11	2.39E-10
9093	470469.05	3820389.23	6.19E-10	2.60E-09	2.34E-10	3.45E-09	5.16E-10	1.91E-09	1.68E-10	2.60E-09	5.85E-11	3.35E-10	4.00E-11	4.33E-10	5.32E-11	1.75E-10	1.21E-11	2.41E-10
9094	470460.18	3820392.77	6.22E-10	2.61E-09	2.35E-10	3.47E-09	5.18E-10	1.92E-09	1.69E-10	2.61E-09	5.88E-11	3.36E-10	4.01E-11	4.35E-10	5.34E-11	1.76E-10	1.21E-11	2.42E-10
9095	470451.31	3820396.31	6.25E-10	2.63E-09	2.36E-10	3.49E-09	5.21E-10	1.93E-09	1.70E-10	2.62E-09	5.90E-11	3.38E-10	4.03E-11	4.37E-10	5.37E-11	1.77E-10	1.22E-11	2.43E-10
9096	470442.44	3820399.86	6.28E-10	2.64E-09	2.37E-10	3.50E-09	5.23E-10	1.94E-09	1.70E-10	2.63E-09	5.93E-11	3.39E-10	4.05E-11	4.39E-10	5.39E-11	1.78E-10	1.23E-11	2.44E-10

9097	470433.57	3820403.4	6.3E-10	2.65E-09	2.38E-10	3.51E-09	5.25E-10	1.94E-09	1.71E-10	2.64E-09	5.95E-11	3.41E-10	4.06E-11	4.41E-10	5.41E-11	1.78E-10	1.23E-11	2.45E-10
9098	470424.7	3820406.94	6.32E-10	2.65E-09	2.39E-10	3.53E-09	5.26E-10	1.95E-09	1.72E-10	2.65E-09	5.97E-11	3.42E-10	4.08E-11	4.42E-10	5.43E-11	1.79E-10	1.23E-11	2.46E-10
9099	470415.83	3820410.49	6.34E-10	2.66E-09	2.40E-10	3.54E-09	5.28E-10	1.96E-09	1.72E-10	2.66E-09	5.99E-11	3.43E-10	4.09E-11	4.43E-10	5.44E-11	1.79E-10	1.24E-11	2.46E-10
9100	470406.96	3820414.03	6.36E-10	2.67E-09	2.40E-10	3.55E-09	5.29E-10	1.96E-09	1.73E-10	2.66E-09	6.00E-11	3.44E-10	4.10E-11	4.45E-10	5.46E-11	1.80E-10	1.24E-11	2.47E-10
9101	470398.09	3820417.58	6.38E-10	2.68E-09	2.41E-10	3.56E-09	5.31E-10	1.97E-09	1.73E-10	2.67E-09	6.02E-11	3.45E-10	4.11E-11	4.46E-10	5.47E-11	1.80E-10	1.24E-11	2.48E-10
9102	470389.22	3820421.12	6.39E-10	2.69E-09	2.42E-10	3.57E-09	5.33E-10	1.97E-09	1.74E-10	2.68E-09	6.04E-11	3.46E-10	4.12E-11	4.47E-10	5.49E-11	1.81E-10	1.25E-11	2.48E-10
9103	470380.35	3820424.66	6.41E-10	2.69E-09	2.43E-10	3.58E-09	5.34E-10	1.98E-09	1.74E-10	2.69E-09	6.06E-11	3.47E-10	4.14E-11	4.49E-10	5.50E-11	1.82E-10	1.25E-11	2.49E-10
9104	470371.48	3820428.21	6.43E-10	2.70E-09	2.43E-10	3.59E-09	5.36E-10	1.98E-09	1.75E-10	2.69E-09	6.07E-11	3.48E-10	4.15E-11	4.50E-10	5.52E-11	1.82E-10	1.25E-11	2.50E-10
9105	470362.61	3820431.75	6.45E-10	2.71E-09	2.44E-10	3.60E-09	5.37E-10	1.99E-09	1.75E-10	2.70E-09	6.09E-11	3.48E-10	4.16E-11	4.51E-10	5.53E-11	1.82E-10	1.26E-11	2.50E-10
9106	470353.75	3820435.29	6.46E-10	2.71E-09	2.44E-10	3.60E-09	5.38E-10	1.99E-09	1.75E-10	2.71E-09	6.10E-11	3.49E-10	4.17E-11	4.52E-10	5.55E-11	1.83E-10	1.26E-11	2.51E-10
9107	470344.88	3820438.84	6.48E-10	2.72E-09	2.45E-10	3.61E-09	5.40E-10	2.00E-09	1.76E-10	2.72E-09	6.12E-11	3.50E-10	4.18E-11	4.53E-10	5.56E-11	1.83E-10	1.26E-11	2.52E-10
9108	470336.01	3820442.38	6.5E-10	2.73E-09	2.46E-10	3.63E-09	5.41E-10	2.01E-09	1.76E-10	2.72E-09	6.14E-11	3.51E-10	4.19E-11	4.55E-10	5.58E-11	1.84E-10	1.27E-11	2.52E-10
9109	470327.14	3820445.93	6.52E-10	2.74E-09	2.47E-10	3.64E-09	5.43E-10	2.01E-09	1.77E-10	2.73E-09	6.16E-11	3.53E-10	4.21E-11	4.56E-10	5.60E-11	1.85E-10	1.27E-11	2.53E-10
9110	470318.27	3820449.47	6.54E-10	2.75E-09	2.47E-10	3.65E-09	5.45E-10	2.02E-09	1.78E-10	2.74E-09	6.18E-11	3.54E-10	4.22E-11	4.58E-10	5.62E-11	1.85E-10	1.28E-11	2.54E-10
9111	470309.4	3820453.01	6.56E-10	2.76E-09	2.48E-10	3.66E-09	5.47E-10	2.02E-09	1.78E-10	2.75E-09	6.20E-11	3.55E-10	4.23E-11	4.59E-10	5.63E-11	1.86E-10	1.28E-11	2.55E-10
9112	470300.53	3820456.56	6.58E-10	2.76E-09	2.49E-10	3.67E-09	5.48E-10	2.03E-09	1.79E-10	2.76E-09	6.21E-11	3.56E-10	4.24E-11	4.60E-10	5.65E-11	1.86E-10	1.28E-11	2.56E-10
9113	470291.66	3820460.1	6.6E-10	2.77E-09	2.50E-10	3.68E-09	5.50E-10	2.04E-09	1.79E-10	2.77E-09	6.23E-11	3.57E-10	4.26E-11	4.62E-10	5.67E-11	1.87E-10	1.29E-11	2.56E-10
9114	470282.79	3820463.64	6.62E-10	2.78E-09	2.50E-10	3.69E-09	5.52E-10	2.04E-09	1.80E-10	2.77E-09	6.25E-11	3.58E-10	4.27E-11	4.63E-10	5.68E-11	1.87E-10	1.29E-11	2.57E-10
9115	470273.92	3820467.19	6.64E-10	2.79E-09	2.51E-10	3.71E-09	5.53E-10	2.05E-09	1.80E-10	2.78E-09	6.27E-11	3.59E-10	4.28E-11	4.65E-10	5.70E-11	1.88E-10	1.30E-11	2.58E-10
9116	471375.45	3819469.09	3.21E-10	1.35E-09	1.21E-10	1.79E-09	2.67E-10	9.90E-10	8.71E-11	1.34E-09	3.03E-11	1.73E-10	2.07E-11	2.24E-10	2.75E-11	9.08E-11	6.26E-12	1.25E-10
9117	471371.69	3819477.92	3.24E-10	1.36E-09	1.22E-10	1.80E-09	2.69E-10	9.98E-10	8.78E-11	1.36E-09	3.06E-11	1.75E-10	2.09E-11	2.26E-10	2.78E-11	9.16E-11	6.31E-12	1.26E-10
9118	471367.93	3819486.75	3.26E-10	1.37E-09	1.23E-10	1.82E-09	2.72E-10	1.01E-09	8.85E-11	1.37E-09	3.08E-11	1.76E-10	2.10E-11	2.28E-10	2.80E-11	9.23E-11	6.36E-12	1.27E-10
9119	471364.17	3819495.58	3.29E-10	1.38E-09	1.24E-10	1.83E-09	2.74E-10	1.01E-09	8.93E-11	1.38E-09	3.11E-11	1.78E-10	2.12E-11	2.30E-10	2.82E-11	9.31E-11	6.42E-12	1.28E-10
9120	471360.41	3819504.41	3.31E-10	1.39E-09	1.25E-10	1.85E-09	2.76E-10	1.02E-09	8.99E-11	1.39E-09	3.13E-11	1.79E-10	2.14E-11	2.32E-10	2.84E-11	9.38E-11	6.47E-12	1.29E-10
9121	471356.65	3819513.24	3.34E-10	1.40E-09	1.26E-10	1.86E-09	2.78E-10	1.03E-09	9.06E-11	1.40E-09	3.15E-11	1.81E-10	2.15E-11	2.34E-10	2.87E-11	9.45E-11	6.52E-12	1.30E-10
9122	471352.88	3819522.08	3.36E-10	1.41E-09	1.27E-10	1.88E-09	2.80E-10	1.04E-09	9.13E-11	1.41E-09	3.18E-11	1.82E-10	2.17E-11	2.35E-10	2.89E-11	9.52E-11	6.56E-12	1.31E-10
9123	471349.12	3819530.91	3.39E-10	1.42E-09	1.28E-10	1.89E-09	2.82E-10	1.05E-09	9.20E-11	1.42E-09	3.20E-11	1.83E-10	2.19E-11	2.37E-10	2.91E-11	9.59E-11	6.61E-12	1.32E-10
9124	471334.08	3819566.23	3.48E-10	1.46E-09	1.32E-10	1.94E-09	2.90E-10	1.07E-09	9.45E-11	1.46E-09	3.29E-11	1.88E-10	2.25E-11	2.44E-10	2.99E-11	9.86E-11	6.79E-12	1.35E-10
9125	471330.32	3819575.06	3.5E-10	1.47E-09	1.33E-10	1.95E-09	2.92E-10	1.08E-09	9.51E-11	1.47E-09	3.31E-11	1.89E-10	2.26E-11	2.45E-10	3.01E-11	9.92E-11	6.84E-12	1.36E-10
9126	471326.56	3819583.89	3.53E-10	1.48E-09	1.33E-10	1.97E-09	2.94E-10	1.09E-09	9.57E-11	1.48E-09	3.33E-11	1.91E-10	2.27E-11	2.47E-10	3.03E-11	9.98E-11	6.88E-12	1.37E-10
9127	471322.8	3819592.72	3.55E-10	1.49E-09	1.34E-10	1.98E-09	2.95E-10	1.09E-09	9.63E-11	1.49E-09	3.35E-11	1.92E-10	2.29E-11	2.48E-10	3.05E-11	1.00E-10	6.92E-12	1.38E-10
9128	471319.04	3819601.55	3.57E-10	1.50E-09	1.35E-10	1.99E-09	2.97E-10	1.10E-09	9.69E-11	1.50E-09	3.37E-11	1.93E-10	2.30E-11	2.50E-10	3.06E-11	1.01E-10	6.96E-12	1.39E-10
9129	471315.28	3819610.38	3.59E-10	1.51E-09	1.36E-10	2.00E-09	2.99E-10	1.11E-09	9.74E-11	1.50E-09	3.39E-11	1.94E-10	2.31E-11	2.51E-10	3.08E-11	1.02E-10	7.00E-12	1.39E-10
9130	471311.52	3819619.21	3.61E-10	1.52E-09	1.36E-10	2.01E-09	3.01E-10	1.11E-09	9.80E-11	1.51E-09	3.41E-11	1.95E-10	2.33E-11	2.52E-10	3.10E-11	1.02E-10	7.04E-12	1.40E-10
9131	471307.76	3819628.04	3.63E-10	1.52E-09	1.37E-10	2.02E-09	3.02E-10	1.12E-09	9.85E-11	1.52E-09	3.43E-11	1.96E-10	2.34E-11	2.54E-10	3.11E-11	1.03E-10	7.08E-12	1.41E-10
9132	471304	3819636.87	3.65E-10	1.53E-09	1.38E-10	2.03E-09	3.04E-10	1.13E-09	9.90E-11	1.53E-09	3.44E-11	1.97E-10	2.35E-11	2.55E-10	3.13E-11	1.03E-10	7.12E-12	1.42E-10
9133	471300.24	3819645.7	3.67E-10	1.54E-09	1.39E-10	2.04E-09	3.05E-10	1.13E-09	9.95E-11	1.54E-09	3.46E-11	1.98E-10	2.36E-11	2.56E-10	3.15E-11	1.04E-10	7.15E-12	1.42E-10
9134	471296.47	3819654.53	3.68E-10	1.55E-09	1.39E-10	2.05E-09	3.07E-10	1.14E-09	1.00E-10	1.54E-09	3.48E-11	1.99E-10	2.38E-11	2.58E-10	3.16E-11	1.04E-10	7.19E-12	1.43E-10
9135	471292.71	3819663.36	3.7E-10	1.55E-09	1.40E-10	2.06E-09	3.08E-10	1.14E-09	1.00E-10	1.55E-09	3.49E-11	2.00E-10	2.39E-11	2.59E-10	3.18E-11	1.05E-10	7.22E-12	1.44E-10
9136	471288.95	3819672.19	3.72E-10	1.56E-09	1.41E-10	2.07E-09	3.10E-10	1.15E-09	1.01E-10	1.56E-09	3.51E-11	2.01E-10	2.40E-11	2.60E-10	3.19E-11	1.05E-10	7.25E-12	1.44E-10
9137	471285.19	3819681.02	3.73E-10	1.57E-09	1.41E-10	2.08E-09	3.11E-10	1.15E-09	1.01E-10	1.56E-09	3.52E-11	2.02E-10	2.41E-11	2.61E-10	3.20E-11	1.06E-10	7.28E-12	1.45E-10
9138	471281.43	3819689.85	3.75E-10	1.57E-09	1.42E-10	2.09E-09	3.12E-10	1.16E-09	1.02E-10	1.57E-09	3.54E-11	2.03E-10	2.42E-11	2.62E-10	3.22E-11	1.06E-10	7.31E-12	1.45E-10
9139	471277.67	3819698.69	3.76E-10	1.58E-09	1.42E-10	2.10E-09	3.13E-10	1.16E-09	1.02E-10	1.58E-09	3.55E-11	2.03E-10	2.43E-11	2.63E-10	3.23E-11	1.06E-10	7.34E-12	1.46E-10
9140	471273.91	3819707.52	3.77E-10	1.58E-09	1.43E-10	2.10E-09	3.14E-10	1.16E-09	1.02E-10	1.58E-09	3.56E-11	2.04E-10	2.43E-11	2.64E-10	3.24E-11	1.07E-10	7.36E-12	1.47E-10
9141	471270.15	3819716.35	3.79E-10	1.59E-09	1.43E-10	2.11E-09	3.15E-10	1.17E-09	1.03E-10	1.59E-09	3.57E-11	2.05E-10	2.44E-11	2.65E-10	3.25E-11	1.07E-10	7.39E-12	1.47E-10
9142	471266.39	3819725.18	3.8E-10	1.59E-09	1.44E-10	2.12E-09	3.16E-10	1.17E-09	1.03E-10	1.59E-09	3.59E-11	2.05E-10	2.45E-11	2.66E-10	3.26E-11	1.07E-10	7.41E-12	1.47E-10
9143	471262.63	3819734.01	3.81E-10	1.60E-09	1.44E-10	2.12E-09	3.17E-10	1.17E-09	1.03E-10	1.60E-09	3.59E-11	2.06E-10	2.46E-11	2.66E-10	3.27E-11	1.08E-10	7.43E-12	1.48E-10
9144	471258.87	3819742.84	3.82E-10	1.60E-09	1.44E-10	2.13E-09	3.18E-10	1.18E-09	1.04E-10	1.60E-09	3.60E-11	2.06E-10	2.46E-11	2.67E-10	3.28E-11	1.08E-10	7.45E-12	1.48E-10
9145	471255.11	3819751.67	3.82E-10	1.61E-09	1.45E-10	2.13E-09	3.19E-10	1.18E-09	1.04E-10	1.60E-09	3.61E-11	2.07E-10	2.47E-11	2.68E-10	3.28E-11	1.08E-10	7.46E-12	1.49E-10
9146	471251.35	3819760.5	3.83E-10	1.61E-09	1.45E-10	2.14E-09	3.19E-10	1.18E-09	1.04E-10	1.61E-09	3.62E-11	2.07E-10	2.47E-11	2.68E-10	3.29E-11	1.08E-10	7.48E-12	1.49E-10

9147	471247.59	3819769.33	3.84E-10	1.61E-09	1.45E-10	2.14E-09	3.20E-10	1.18E-09	1.04E-10	1.61E-09	3.62E-11	2.08E-10	2.48E-11	2.69E-10	3.30E-11	1.09E-10	7.49E-12	1.49E-10
9148	471243.83	3819778.16	3.84E-10	1.61E-09	1.45E-10	2.14E-09	3.20E-10	1.19E-09	1.04E-10	1.61E-09	3.63E-11	2.08E-10	2.48E-11	2.69E-10	3.30E-11	1.09E-10	7.50E-12	1.49E-10
9149	471240.06	3819786.99	3.85E-10	1.62E-09	1.46E-10	2.15E-09	3.21E-10	1.19E-09	1.04E-10	1.61E-09	3.63E-11	2.08E-10	2.48E-11	2.69E-10	3.30E-11	1.09E-10	7.51E-12	1.49E-10
9150	471236.3	3819795.82	3.85E-10	1.62E-09	1.46E-10	2.15E-09	3.21E-10	1.19E-09	1.05E-10	1.61E-09	3.64E-11	2.08E-10	2.48E-11	2.69E-10	3.31E-11	1.09E-10	7.52E-12	1.50E-10
9151	471232.54	3819804.65	3.85E-10	1.62E-09	1.46E-10	2.15E-09	3.21E-10	1.19E-09	1.05E-10	1.61E-09	3.64E-11	2.08E-10	2.49E-11	2.70E-10	3.31E-11	1.09E-10	7.52E-12	1.50E-10
9152	471228.78	3819813.48	3.85E-10	1.62E-09	1.46E-10	2.15E-09	3.21E-10	1.19E-09	1.05E-10	1.62E-09	3.64E-11	2.08E-10	2.49E-11	2.70E-10	3.31E-11	1.09E-10	7.52E-12	1.50E-10
9153	471225.02	3819822.31	3.86E-10	1.62E-09	1.46E-10	2.15E-09	3.21E-10	1.19E-09	1.05E-10	1.62E-09	3.64E-11	2.08E-10	2.49E-11	2.70E-10	3.31E-11	1.09E-10	7.52E-12	1.50E-10
9154	471221.26	3819831.14	3.85E-10	1.62E-09	1.46E-10	2.15E-09	3.21E-10	1.19E-09	1.05E-10	1.62E-09	3.64E-11	2.08E-10	2.49E-11	2.70E-10	3.31E-11	1.09E-10	7.52E-12	1.50E-10
9155	471217.5	3819839.97	3.85E-10	1.62E-09	1.46E-10	2.15E-09	3.21E-10	1.19E-09	1.05E-10	1.61E-09	3.64E-11	2.08E-10	2.49E-11	2.70E-10	3.31E-11	1.09E-10	7.52E-12	1.50E-10
9156	471213.74	3819848.8	3.85E-10	1.62E-09	1.46E-10	2.15E-09	3.21E-10	1.19E-09	1.05E-10	1.61E-09	3.64E-11	2.08E-10	2.48E-11	2.69E-10	3.31E-11	1.09E-10	7.51E-12	1.50E-10
9157	471209.98	3819857.63	3.85E-10	1.62E-09	1.46E-10	2.15E-09	3.20E-10	1.19E-09	1.04E-10	1.61E-09	3.63E-11	2.08E-10	2.48E-11	2.69E-10	3.30E-11	1.09E-10	7.51E-12	1.49E-10
9158	471206.22	3819866.47	3.84E-10	1.61E-09	1.45E-10	2.14E-09	3.20E-10	1.19E-09	1.04E-10	1.61E-09	3.63E-11	2.08E-10	2.48E-11	2.69E-10	3.30E-11	1.09E-10	7.50E-12	1.49E-10
9159	471202.46	3819875.3	3.84E-10	1.61E-09	1.45E-10	2.14E-09	3.20E-10	1.18E-09	1.04E-10	1.61E-09	3.62E-11	2.08E-10	2.48E-11	2.69E-10	3.30E-11	1.09E-10	7.49E-12	1.49E-10
9160	471198.7	3819884.13	3.83E-10	1.61E-09	1.45E-10	2.14E-09	3.19E-10	1.18E-09	1.04E-10	1.61E-09	3.62E-11	2.07E-10	2.47E-11	2.68E-10	3.29E-11	1.09E-10	7.48E-12	1.49E-10
9161	471194.94	3819892.96	3.83E-10	1.61E-09	1.45E-10	2.13E-09	3.19E-10	1.18E-09	1.04E-10	1.60E-09	3.61E-11	2.07E-10	2.47E-11	2.68E-10	3.29E-11	1.08E-10	7.47E-12	1.49E-10
9162	471191.18	3819901.79	3.82E-10	1.60E-09	1.45E-10	2.13E-09	3.18E-10	1.18E-09	1.04E-10	1.60E-09	3.61E-11	2.07E-10	2.46E-11	2.67E-10	3.28E-11	1.08E-10	7.46E-12	1.48E-10
9163	471187.42	3819910.62	3.81E-10	1.60E-09	1.44E-10	2.13E-09	3.18E-10	1.18E-09	1.04E-10	1.60E-09	3.60E-11	2.06E-10	2.46E-11	2.67E-10	3.27E-11	1.08E-10	7.44E-12	1.48E-10
9164	471183.65	3819919.45	3.81E-10	1.60E-09	1.44E-10	2.12E-09	3.17E-10	1.17E-09	1.03E-10	1.60E-09	3.60E-11	2.06E-10	2.46E-11	2.66E-10	3.27E-11	1.08E-10	7.43E-12	1.48E-10
9165	471179.89	3819928.28	3.8E-10	1.60E-09	1.44E-10	2.12E-09	3.16E-10	1.17E-09	1.03E-10	1.59E-09	3.59E-11	2.05E-10	2.45E-11	2.66E-10	3.26E-11	1.08E-10	7.41E-12	1.48E-10
9166	471176.13	3819937.11	3.79E-10	1.59E-09	1.43E-10	2.12E-09	3.16E-10	1.17E-09	1.03E-10	1.59E-09	3.58E-11	2.05E-10	2.45E-11	2.65E-10	3.26E-11	1.07E-10	7.40E-12	1.47E-10
9167	471172.37	3819945.94	3.78E-10	1.59E-09	1.43E-10	2.11E-09	3.15E-10	1.17E-09	1.03E-10	1.59E-09	3.57E-11	2.05E-10	2.44E-11	2.65E-10	3.25E-11	1.07E-10	7.38E-12	1.47E-10
9168	471168.61	3819954.77	3.78E-10	1.59E-09	1.43E-10	2.11E-09	3.14E-10	1.16E-09	1.02E-10	1.58E-09	3.56E-11	2.04E-10	2.43E-11	2.64E-10	3.24E-11	1.07E-10	7.37E-12	1.47E-10
9169	471164.85	3819963.6	3.77E-10	1.58E-09	1.42E-10	2.10E-09	3.14E-10	1.16E-09	1.02E-10	1.58E-09	3.56E-11	2.04E-10	2.43E-11	2.63E-10	3.23E-11	1.07E-10	7.35E-12	1.46E-10
9170	471161.09	3819972.43	3.76E-10	1.58E-09	1.42E-10	2.10E-09	3.13E-10	1.16E-09	1.02E-10	1.57E-09	3.55E-11	2.03E-10	2.42E-11	2.63E-10	3.23E-11	1.06E-10	7.33E-12	1.46E-10
9171	471157.33	3819981.26	3.75E-10	1.57E-09	1.42E-10	2.09E-09	3.12E-10	1.16E-09	1.02E-10	1.57E-09	3.54E-11	2.03E-10	2.42E-11	2.62E-10	3.22E-11	1.06E-10	7.31E-12	1.46E-10
9172	471153.57	3819990.09	3.74E-10	1.57E-09	1.41E-10	2.09E-09	3.11E-10	1.15E-09	1.02E-10	1.57E-09	3.53E-11	2.02E-10	2.41E-11	2.62E-10	3.21E-11	1.06E-10	7.30E-12	1.45E-10
9173	471149.81	3819998.92	3.73E-10	1.57E-09	1.41E-10	2.08E-09	3.11E-10	1.15E-09	1.01E-10	1.56E-09	3.52E-11	2.02E-10	2.41E-11	2.61E-10	3.20E-11	1.06E-10	7.28E-12	1.45E-10
9174	471146.05	3820007.75	3.72E-10	1.56E-09	1.41E-10	2.08E-09	3.10E-10	1.15E-09	1.01E-10	1.56E-09	3.51E-11	2.01E-10	2.40E-11	2.60E-10	3.19E-11	1.05E-10	7.26E-12	1.45E-10
9175	471142.29	3820016.58	3.71E-10	1.56E-09	1.40E-10	2.07E-09	3.09E-10	1.15E-09	1.01E-10	1.56E-09	3.50E-11	2.01E-10	2.39E-11	2.60E-10	3.19E-11	1.05E-10	7.24E-12	1.44E-10
9176	471138.53	3820025.41	3.7E-10	1.55E-09	1.40E-10	2.06E-09	3.08E-10	1.14E-09	1.00E-10	1.55E-09	3.50E-11	2.00E-10	2.39E-11	2.59E-10	3.18E-11	1.05E-10	7.22E-12	1.44E-10
9177	471134.77	3820034.24	3.69E-10	1.55E-09	1.40E-10	2.06E-09	3.08E-10	1.14E-09	1.00E-10	1.55E-09	3.49E-11	2.00E-10	2.38E-11	2.58E-10	3.17E-11	1.05E-10	7.21E-12	1.43E-10
9178	471131	3820043.08	3.68E-10	1.55E-09	1.39E-10	2.05E-09	3.07E-10	1.14E-09	1.00E-10	1.54E-09	3.48E-11	1.99E-10	2.38E-11	2.58E-10	3.16E-11	1.04E-10	7.19E-12	1.43E-10
9179	471127.24	3820051.91	3.67E-10	1.54E-09	1.39E-10	2.05E-09	3.06E-10	1.13E-09	9.97E-11	1.54E-09	3.47E-11	1.99E-10	2.37E-11	2.57E-10	3.15E-11	1.04E-10	7.17E-12	1.43E-10
9180	471123.48	3820060.74	3.66E-10	1.54E-09	1.39E-10	2.04E-09	3.05E-10	1.13E-09	9.94E-11	1.53E-09	3.46E-11	1.98E-10	2.36E-11	2.56E-10	3.14E-11	1.04E-10	7.15E-12	1.42E-10
9181	471119.72	3820069.57	3.65E-10	1.53E-09	1.38E-10	2.04E-09	3.04E-10	1.13E-09	9.91E-11	1.53E-09	3.45E-11	1.97E-10	2.36E-11	2.55E-10	3.14E-11	1.03E-10	7.13E-12	1.42E-10
9182	471115.96	3820078.4	3.64E-10	1.53E-09	1.38E-10	2.03E-09	3.03E-10	1.12E-09	9.89E-11	1.53E-09	3.44E-11	1.97E-10	2.35E-11	2.55E-10	3.13E-11	1.03E-10	7.11E-12	1.41E-10
9183	471112.2	3820087.23	3.63E-10	1.53E-09	1.37E-10	2.03E-09	3.03E-10	1.12E-09	9.86E-11	1.52E-09	3.43E-11	1.96E-10	2.34E-11	2.54E-10	3.12E-11	1.03E-10	7.09E-12	1.41E-10
9184	471108.44	3820096.06	3.62E-10	1.52E-09	1.37E-10	2.02E-09	3.02E-10	1.12E-09	9.83E-11	1.52E-09	3.42E-11	1.96E-10	2.34E-11	2.53E-10	3.11E-11	1.03E-10	7.07E-12	1.41E-10
9185	471104.68	3820104.89	3.61E-10	1.52E-09	1.37E-10	2.01E-09	3.01E-10	1.11E-09	9.80E-11	1.51E-09	3.41E-11	1.95E-10	2.33E-11	2.53E-10	3.10E-11	1.02E-10	7.05E-12	1.40E-10
9186	471100.92	3820113.72	3.6E-10	1.51E-09	1.36E-10	2.01E-09	3.00E-10	1.11E-09	9.77E-11	1.51E-09	3.40E-11	1.95E-10	2.32E-11	2.52E-10	3.09E-11	1.02E-10	7.02E-12	1.40E-10
9187	471097.16	3820122.55	3.59E-10	1.51E-09	1.36E-10	2.00E-09	2.99E-10	1.11E-09	9.74E-11	1.50E-09	3.39E-11	1.94E-10	2.31E-11	2.51E-10	3.08E-11	1.02E-10	7.00E-12	1.39E-10
9188	471093.4	3820131.38	3.57E-10	1.50E-09	1.35E-10	1.99E-09	2.98E-10	1.10E-09	9.70E-11	1.50E-09	3.38E-11	1.93E-10	2.31E-11	2.50E-10	3.07E-11	1.01E-10	6.97E-12	1.39E-10
9189	471089.64	3820140.21	3.56E-10	1.50E-09	1.35E-10	1.99E-09	2.97E-10	1.10E-09	9.67E-11	1.49E-09	3.36E-11	1.93E-10	2.30E-11	2.49E-10	3.06E-11	1.01E-10	6.95E-12	1.38E-10
9190	471085.88	3820149.04	3.55E-10	1.49E-09	1.34E-10	1.98E-09	2.96E-10	1.10E-09	9.64E-11	1.49E-09	3.35E-11	1.92E-10	2.29E-11	2.48E-10	3.05E-11	1.00E-10	6.93E-12	1.38E-10
9191	471082.12	3820157.87	3.54E-10	1.49E-09	1.34E-10	1.97E-09	2.95E-10	1.09E-09	9.60E-11	1.48E-09	3.34E-11	1.91E-10	2.28E-11	2.47E-10	3.04E-11	1.00E-10	6.90E-12	1.37E-10
9192	471078.36	3820166.7	3.52E-10	1.48E-09	1.33E-10	1.97E-09	2.93E-10	1.09E-09	9.57E-11	1.48E-09	3.33E-11	1.90E-10	2.27E-11	2.46E-10	3.02E-11	9.97E-11	6.88E-12	1.37E-10
9193	471074.59	3820175.53	3.51E-10	1.47E-09	1.33E-10	1.96E-09	2.92E-10	1.08E-09	9.53E-11	1.47E-09	3.31E-11	1.90E-10	2.26E-11	2.46E-10	3.01E-11	9.94E-11	6.85E-12	1.36E-10
9194	471070.83	3820184.36	3.5E-10	1.47E-09	1.32E-10	1.95E-09	2.91E-10	1.08E-09	9.49E-11	1.46E-09	3.30E-11	1.89E-10	2.25E-11	2.45E-10	3.00E-11	9.89E-11	6.82E-12	1.36E-10
9195	471067.07	3820193.19	3.48E-10	1.46E-09	1.32E-10	1.94E-09	2.90E-10	1.07E-09	9.45E-11	1.46E-09	3.29E-11	1.88E-10	2.24E-11	2.43E-10	2.99E-11	9.85E-11	6.79E-12	1.35E-10
9196	471063.31	3820202.02	3.46E-10	1.45E-09	1.31E-10	1.93E-09	2.89E-10	1.07E-09	9.40E-11	1.45E-09	3.27E-11	1.87E-10	2.23E-11	2.42E-10	2.97E-11	9.81E-11	6.76E-12	1.35E-10

9197	471059.55	3820210.85	3.45E-10	1.45E-09	1.30E-10	1.92E-09	2.87E-10	1.06E-09	9.36E-11	1.44E-09	3.26E-11	1.86E-10	2.22E-11	2.41E-10	2.96E-11	9.76E-11	6.73E-12	1.34E-10
9198	471055.79	3820219.69	3.43E-10	1.44E-09	1.30E-10	1.91E-09	2.86E-10	1.06E-09	9.32E-11	1.44E-09	3.24E-11	1.86E-10	2.21E-11	2.40E-10	2.95E-11	9.71E-11	6.70E-12	1.33E-10
9199	471052.03	3820228.52	3.42E-10	1.43E-09	1.29E-10	1.91E-09	2.84E-10	1.05E-09	9.27E-11	1.43E-09	3.23E-11	1.85E-10	2.20E-11	2.39E-10	2.93E-11	9.67E-11	6.66E-12	1.33E-10
9200	471039.36	3820240.91	3.42E-10	1.44E-09	1.29E-10	1.91E-09	2.85E-10	1.06E-09	9.28E-11	1.43E-09	3.23E-11	1.85E-10	2.21E-11	2.39E-10	2.94E-11	9.68E-11	6.67E-12	1.33E-10
9201	471030.44	3820244.47	3.44E-10	1.45E-09	1.30E-10	1.92E-09	2.87E-10	1.06E-09	9.34E-11	1.44E-09	3.25E-11	1.86E-10	2.22E-11	2.41E-10	2.95E-11	9.74E-11	6.71E-12	1.34E-10
9202	471021.53	3820248.03	3.46E-10	1.45E-09	1.31E-10	1.93E-09	2.88E-10	1.07E-09	9.40E-11	1.45E-09	3.27E-11	1.87E-10	2.23E-11	2.42E-10	2.97E-11	9.80E-11	6.75E-12	1.34E-10
9203	471012.62	3820251.59	3.48E-10	1.46E-09	1.32E-10	1.94E-09	2.90E-10	1.07E-09	9.45E-11	1.46E-09	3.29E-11	1.88E-10	2.25E-11	2.44E-10	2.99E-11	9.85E-11	6.79E-12	1.35E-10
9204	471003.71	3820255.15	3.5E-10	1.47E-09	1.32E-10	1.95E-09	2.92E-10	1.08E-09	9.50E-11	1.47E-09	3.31E-11	1.89E-10	2.26E-11	2.45E-10	3.01E-11	9.91E-11	6.83E-12	1.36E-10
9205	470994.79	3820258.71	3.52E-10	1.48E-09	1.33E-10	1.96E-09	2.93E-10	1.09E-09	9.56E-11	1.48E-09	3.32E-11	1.90E-10	2.27E-11	2.46E-10	3.02E-11	9.96E-11	6.87E-12	1.37E-10
9206	470968.05	3820269.4	3.58E-10	1.50E-09	1.35E-10	1.99E-09	2.98E-10	1.10E-09	9.71E-11	1.50E-09	3.38E-11	1.93E-10	2.31E-11	2.50E-10	3.07E-11	1.01E-10	6.98E-12	1.39E-10
9207	470959.14	3820272.96	3.6E-10	1.51E-09	1.36E-10	2.01E-09	3.00E-10	1.11E-09	9.76E-11	1.51E-09	3.40E-11	1.94E-10	2.32E-11	2.52E-10	3.09E-11	1.02E-10	7.02E-12	1.40E-10
9208	470950.23	3820276.52	3.62E-10	1.52E-09	1.37E-10	2.02E-09	3.01E-10	1.12E-09	9.82E-11	1.52E-09	3.41E-11	1.95E-10	2.33E-11	2.53E-10	3.10E-11	1.02E-10	7.06E-12	1.40E-10
9209	470941.32	3820280.08	3.63E-10	1.53E-09	1.37E-10	2.03E-09	3.03E-10	1.12E-09	9.87E-11	1.52E-09	3.43E-11	1.96E-10	2.34E-11	2.54E-10	3.12E-11	1.03E-10	7.09E-12	1.41E-10
9210	470932.4	3820283.64	3.65E-10	1.53E-09	1.38E-10	2.04E-09	3.04E-10	1.13E-09	9.92E-11	1.53E-09	3.45E-11	1.98E-10	2.36E-11	2.56E-10	3.14E-11	1.03E-10	7.13E-12	1.42E-10
9211	470923.49	3820287.2	3.67E-10	1.54E-09	1.39E-10	2.05E-09	3.06E-10	1.13E-09	9.97E-11	1.54E-09	3.47E-11	1.99E-10	2.37E-11	2.57E-10	3.15E-11	1.04E-10	7.17E-12	1.43E-10
9212	470914.58	3820290.76	3.69E-10	1.55E-09	1.40E-10	2.06E-09	3.07E-10	1.14E-09	1.00E-10	1.55E-09	3.48E-11	1.99E-10	2.38E-11	2.58E-10	3.17E-11	1.04E-10	7.20E-12	1.43E-10
9213	470905.66	3820294.32	3.71E-10	1.56E-09	1.40E-10	2.07E-09	3.09E-10	1.14E-09	1.01E-10	1.55E-09	3.50E-11	2.01E-10	2.39E-11	2.59E-10	3.18E-11	1.05E-10	7.24E-12	1.44E-10
9214	470896.75	3820297.89	3.73E-10	1.57E-09	1.41E-10	2.08E-09	3.11E-10	1.15E-09	1.01E-10	1.56E-09	3.52E-11	2.02E-10	2.40E-11	2.61E-10	3.20E-11	1.06E-10	7.28E-12	1.45E-10
9215	470887.84	3820301.45	3.75E-10	1.57E-09	1.42E-10	2.09E-09	3.12E-10	1.16E-09	1.02E-10	1.57E-09	3.54E-11	2.03E-10	2.42E-11	2.62E-10	3.22E-11	1.06E-10	7.32E-12	1.46E-10
9216	470878.93	3820305.01	3.77E-10	1.58E-09	1.43E-10	2.10E-09	3.14E-10	1.16E-09	1.02E-10	1.58E-09	3.56E-11	2.04E-10	2.43E-11	2.64E-10	3.24E-11	1.07E-10	7.36E-12	1.46E-10
9217	470870.01	3820308.57	3.79E-10	1.59E-09	1.43E-10	2.12E-09	3.16E-10	1.17E-09	1.03E-10	1.59E-09	3.58E-11	2.05E-10	2.45E-11	2.65E-10	3.26E-11	1.07E-10	7.40E-12	1.47E-10
9218	470861.1	3820312.13	3.82E-10	1.60E-09	1.44E-10	2.13E-09	3.18E-10	1.18E-09	1.04E-10	1.60E-09	3.60E-11	2.06E-10	2.46E-11	2.67E-10	3.28E-11	1.08E-10	7.45E-12	1.48E-10
9219	470852.19	3820315.69	3.84E-10	1.61E-09	1.45E-10	2.14E-09	3.20E-10	1.18E-09	1.04E-10	1.61E-09	3.63E-11	2.08E-10	2.48E-11	2.69E-10	3.30E-11	1.09E-10	7.49E-12	1.49E-10
9220	470843.27	3820319.25	3.86E-10	1.62E-09	1.46E-10	2.16E-09	3.22E-10	1.19E-09	1.05E-10	1.62E-09	3.65E-11	2.09E-10	2.49E-11	2.70E-10	3.32E-11	1.09E-10	7.54E-12	1.50E-10
9221	470834.36	3820322.81	3.89E-10	1.63E-09	1.47E-10	2.17E-09	3.24E-10	1.20E-09	1.06E-10	1.63E-09	3.67E-11	2.10E-10	2.51E-11	2.72E-10	3.34E-11	1.10E-10	7.59E-12	1.51E-10
9222	470763.06	3820351.3	4.14E-10	1.74E-09	1.57E-10	2.31E-09	3.45E-10	1.28E-09	1.12E-10	1.74E-09	3.91E-11	2.24E-10	2.67E-11	2.90E-10	3.56E-11	1.17E-10	8.08E-12	1.61E-10
9223	470754.15	3820354.86	4.18E-10	1.76E-09	1.58E-10	2.33E-09	3.48E-10	1.29E-09	1.14E-10	1.75E-09	3.95E-11	2.26E-10	2.70E-11	2.93E-10	3.59E-11	1.18E-10	8.16E-12	1.62E-10
9224	470745.23	3820358.42	4.22E-10	1.77E-09	1.60E-10	2.36E-09	3.52E-10	1.30E-09	1.15E-10	1.77E-09	3.99E-11	2.28E-10	2.72E-11	2.95E-10	3.62E-11	1.20E-10	8.24E-12	1.64E-10
9225	470736.32	3820361.99	4.26E-10	1.79E-09	1.61E-10	2.38E-09	3.55E-10	1.32E-09	1.16E-10	1.79E-09	4.03E-11	2.30E-10	2.75E-11	2.98E-10	3.66E-11	1.21E-10	8.32E-12	1.66E-10
9226	470727.41	3820365.55	4.31E-10	1.81E-09	1.63E-10	2.40E-09	3.59E-10	1.33E-09	1.17E-10	1.80E-09	4.07E-11	2.33E-10	2.78E-11	3.01E-10	3.70E-11	1.22E-10	8.40E-12	1.67E-10
9227	470718.49	3820369.11	4.35E-10	1.83E-09	1.64E-10	2.42E-09	3.62E-10	1.34E-09	1.18E-10	1.82E-09	4.11E-11	2.35E-10	2.80E-11	3.04E-10	3.73E-11	1.23E-10	8.48E-12	1.69E-10
9228	470709.58	3820372.67	4.39E-10	1.84E-09	1.66E-10	2.45E-09	3.66E-10	1.36E-09	1.19E-10	1.84E-09	4.15E-11	2.37E-10	2.83E-11	3.07E-10	3.77E-11	1.24E-10	8.57E-12	1.71E-10
9229	470700.67	3820376.23	4.44E-10	1.86E-09	1.68E-10	2.48E-09	3.70E-10	1.37E-09	1.21E-10	1.86E-09	4.19E-11	2.40E-10	2.86E-11	3.11E-10	3.81E-11	1.26E-10	8.66E-12	1.72E-10
9230	470691.76	3820379.79	4.49E-10	1.88E-09	1.70E-10	2.50E-09	3.74E-10	1.38E-09	1.22E-10	1.88E-09	4.24E-11	2.43E-10	2.89E-11	3.14E-10	3.85E-11	1.27E-10	8.76E-12	1.74E-10
9231	470682.84	3820383.35	4.54E-10	1.91E-09	1.72E-10	2.53E-09	3.78E-10	1.40E-09	1.23E-10	1.90E-09	4.28E-11	2.45E-10	2.93E-11	3.17E-10	3.89E-11	1.28E-10	8.85E-12	1.76E-10
9232	470673.93	3820386.91	4.59E-10	1.93E-09	1.74E-10	2.56E-09	3.82E-10	1.42E-09	1.25E-10	1.92E-09	4.33E-11	2.48E-10	2.96E-11	3.21E-10	3.94E-11	1.30E-10	8.95E-12	1.78E-10
9233	470665.02	3820390.47	4.64E-10	1.95E-09	1.76E-10	2.59E-09	3.87E-10	1.43E-09	1.26E-10	1.94E-09	4.38E-11	2.51E-10	2.99E-11	3.25E-10	3.98E-11	1.31E-10	9.06E-12	1.80E-10
9234	470656.1	3820394.03	4.69E-10	1.97E-09	1.78E-10	2.62E-09	3.91E-10	1.45E-09	1.27E-10	1.97E-09	4.43E-11	2.54E-10	3.03E-11	3.28E-10	4.03E-11	1.33E-10	9.16E-12	1.82E-10
9235	470647.19	3820397.6	4.75E-10	1.99E-09	1.80E-10	2.65E-09	3.95E-10	1.46E-09	1.29E-10	1.99E-09	4.48E-11	2.57E-10	3.06E-11	3.32E-10	4.08E-11	1.34E-10	9.26E-12	1.84E-10
9236	470638.28	3820401.16	4.8E-10	2.02E-09	1.81E-10	2.68E-09	4.00E-10	1.48E-09	1.30E-10	2.01E-09	4.53E-11	2.59E-10	3.10E-11	3.36E-10	4.12E-11	1.36E-10	9.36E-12	1.86E-10
9237	470629.37	3820404.72	4.85E-10	2.04E-09	1.83E-10	2.70E-09	4.04E-10	1.50E-09	1.32E-10	2.03E-09	4.58E-11	2.62E-10	3.13E-11	3.39E-10	4.16E-11	1.37E-10	9.46E-12	1.88E-10
9238	470620.45	3820408.28	4.9E-10	2.06E-09	1.85E-10	2.73E-09	4.08E-10	1.51E-09	1.33E-10	2.05E-09	4.63E-11	2.65E-10	3.16E-11	3.43E-10	4.21E-11	1.39E-10	9.56E-12	1.90E-10
9239	470611.54	3820411.84	4.95E-10	2.08E-09	1.87E-10	2.76E-09	4.12E-10	1.53E-09	1.34E-10	2.07E-09	4.68E-11	2.68E-10	3.19E-11	3.46E-10	4.25E-11	1.40E-10	9.66E-12	1.92E-10
9240	470602.63	3820415.4	5E-10	2.10E-09	1.89E-10	2.79E-09	4.17E-10	1.54E-09	1.36E-10	2.10E-09	4.72E-11	2.70E-10	3.23E-11	3.50E-10	4.29E-11	1.42E-10	9.76E-12	1.94E-10
9241	470593.71	3820418.96	5.05E-10	2.12E-09	1.91E-10	2.82E-09	4.21E-10	1.56E-09	1.37E-10	2.12E-09	4.77E-11	2.73E-10	3.26E-11	3.53E-10	4.33E-11	1.43E-10	9.85E-12	1.96E-10
9242	470584.8	3820422.52	5.09E-10	2.14E-09	1.93E-10	2.84E-09	4.24E-10	1.57E-09	1.38E-10	2.13E-09	4.81E-11	2.75E-10	3.29E-11	3.56E-10	4.37E-11	1.44E-10	9.94E-12	1.98E-10
9243	470575.89	3820426.08	5.14E-10	2.16E-09	1.94E-10	2.87E-09	4.28E-10	1.59E-09	1.40E-10	2.15E-09	4.85E-11	2.78E-10	3.31E-11	3.59E-10	4.41E-11	1.45E-10	1.00E-11	2.00E-10
9244	470566.98	3820429.65	5.18E-10	2.18E-09	1.96E-10	2.89E-09	4.32E-10	1.60E-09	1.41E-10	2.17E-09	4.89E-11	2.80E-10	3.34E-11	3.63E-10	4.45E-11	1.47E-10	1.01E-11	2.01E-10
9245	470558.06	3820433.21	5.22E-10	2.19E-09	1.98E-10	2.91E-09	4.35E-10	1.61E-09	1.42E-10	2.19E-09	4.93E-11	2.82E-10	3.37E-11	3.65E-10	4.49E-11	1.48E-10	1.02E-11	2.03E-10
9246	470549.15	3820436.77	5.27E-10	2.21E-09	1.99E-10	2.94E-09	4.39E-10	1.62E-09	1.43E-10	2.21E-09	4.97E-11	2.85E-10	3.40E-11	3.68E-10	4.52E-11	1.49E-10	1.03E-11	2.05E-10

9247	470540.24	3820440.33	5.3E-10	2.23E-09	2.01E-10	2.96E-09	4.42E-10	1.64E-09	1.44E-10	2.22E-09	5.01E-11	2.87E-10	3.42E-11	3.71E-10	4.55E-11	1.50E-10	1.03E-11	2.06E-10
9248	470531.32	3820443.89	5.34E-10	2.24E-09	2.02E-10	2.98E-09	4.45E-10	1.65E-09	1.45E-10	2.24E-09	5.04E-11	2.89E-10	3.44E-11	3.74E-10	4.58E-11	1.51E-10	1.04E-11	2.07E-10
9249	470522.41	3820447.45	5.37E-10	2.26E-09	2.03E-10	3.00E-09	4.48E-10	1.66E-09	1.46E-10	2.25E-09	5.08E-11	2.91E-10	3.47E-11	3.76E-10	4.61E-11	1.52E-10	1.05E-11	2.09E-10
9250	470513.5	3820451.01	5.41E-10	2.27E-09	2.04E-10	3.02E-09	4.50E-10	1.67E-09	1.47E-10	2.27E-09	5.11E-11	2.92E-10	3.49E-11	3.78E-10	4.64E-11	1.53E-10	1.06E-11	2.10E-10
9251	470504.59	3820454.57	5.44E-10	2.28E-09	2.06E-10	3.03E-09	4.53E-10	1.68E-09	1.48E-10	2.28E-09	5.13E-11	2.94E-10	3.51E-11	3.80E-10	4.67E-11	1.54E-10	1.06E-11	2.11E-10
9252	470495.67	3820458.13	5.47E-10	2.30E-09	2.07E-10	3.05E-09	4.55E-10	1.69E-09	1.48E-10	2.29E-09	5.16E-11	2.95E-10	3.53E-11	3.82E-10	4.69E-11	1.55E-10	1.07E-11	2.12E-10
9253	470486.76	3820461.7	5.49E-10	2.31E-09	2.08E-10	3.06E-09	4.57E-10	1.69E-09	1.49E-10	2.30E-09	5.18E-11	2.97E-10	3.54E-11	3.84E-10	4.71E-11	1.55E-10	1.07E-11	2.13E-10
9254	470477.85	3820465.26	5.51E-10	2.32E-09	2.09E-10	3.08E-09	4.59E-10	1.70E-09	1.50E-10	2.31E-09	5.21E-11	2.98E-10	3.56E-11	3.86E-10	4.73E-11	1.56E-10	1.08E-11	2.14E-10
9255	470468.93	3820468.82	5.53E-10	2.32E-09	2.09E-10	3.09E-09	4.61E-10	1.71E-09	1.50E-10	2.32E-09	5.23E-11	2.99E-10	3.57E-11	3.87E-10	4.75E-11	1.57E-10	1.08E-11	2.15E-10
9256	470460.02	3820472.38	5.55E-10	2.33E-09	2.10E-10	3.10E-09	4.63E-10	1.71E-09	1.51E-10	2.33E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.77E-11	1.57E-10	1.08E-11	2.16E-10
9257	470451.11	3820475.94	5.57E-10	2.34E-09	2.11E-10	3.11E-09	4.64E-10	1.72E-09	1.51E-10	2.33E-09	5.26E-11	3.01E-10	3.59E-11	3.90E-10	4.78E-11	1.58E-10	1.09E-11	2.16E-10
9258	470442.2	3820479.5	5.59E-10	2.35E-09	2.11E-10	3.12E-09	4.65E-10	1.72E-09	1.52E-10	2.34E-09	5.28E-11	3.02E-10	3.60E-11	3.91E-10	4.80E-11	1.58E-10	1.09E-11	2.17E-10
9259	470433.28	3820483.06	5.6E-10	2.35E-09	2.12E-10	3.12E-09	4.67E-10	1.73E-09	1.52E-10	2.35E-09	5.29E-11	3.03E-10	3.61E-11	3.92E-10	4.81E-11	1.59E-10	1.09E-11	2.18E-10
9260	470424.37	3820486.62	5.61E-10	2.36E-09	2.12E-10	3.13E-09	4.68E-10	1.73E-09	1.52E-10	2.35E-09	5.30E-11	3.04E-10	3.62E-11	3.93E-10	4.82E-11	1.59E-10	1.10E-11	2.18E-10
9261	470415.46	3820490.18	5.63E-10	2.36E-09	2.13E-10	3.14E-09	4.69E-10	1.74E-09	1.53E-10	2.36E-09	5.31E-11	3.04E-10	3.63E-11	3.94E-10	4.83E-11	1.59E-10	1.10E-11	2.19E-10
9262	470406.54	3820493.75	5.64E-10	2.37E-09	2.13E-10	3.14E-09	4.70E-10	1.74E-09	1.53E-10	2.36E-09	5.32E-11	3.05E-10	3.64E-11	3.94E-10	4.84E-11	1.60E-10	1.10E-11	2.19E-10
9263	470397.63	3820497.31	5.65E-10	2.37E-09	2.14E-10	3.15E-09	4.71E-10	1.74E-09	1.53E-10	2.37E-09	5.34E-11	3.06E-10	3.65E-11	3.95E-10	4.85E-11	1.60E-10	1.10E-11	2.20E-10
9264	470388.72	3820500.87	5.67E-10	2.38E-09	2.14E-10	3.16E-09	4.72E-10	1.75E-09	1.54E-10	2.38E-09	5.35E-11	3.06E-10	3.66E-11	3.97E-10	4.87E-11	1.60E-10	1.11E-11	2.20E-10
9265	470379.81	3820504.43	5.68E-10	2.39E-09	2.15E-10	3.17E-09	4.73E-10	1.75E-09	1.54E-10	2.38E-09	5.37E-11	3.07E-10	3.67E-11	3.98E-10	4.88E-11	1.61E-10	1.11E-11	2.21E-10
9266	470370.89	3820507.99	5.7E-10	2.39E-09	2.16E-10	3.18E-09	4.75E-10	1.76E-09	1.55E-10	2.39E-09	5.38E-11	3.08E-10	3.68E-11	3.99E-10	4.89E-11	1.61E-10	1.11E-11	2.21E-10
9267	470361.98	3820511.55	5.72E-10	2.40E-09	2.16E-10	3.19E-09	4.76E-10	1.76E-09	1.55E-10	2.40E-09	5.40E-11	3.09E-10	3.69E-11	4.00E-10	4.91E-11	1.62E-10	1.12E-11	2.22E-10
9268	470353.07	3820515.11	5.74E-10	2.41E-09	2.17E-10	3.20E-09	4.78E-10	1.77E-09	1.56E-10	2.40E-09	5.42E-11	3.10E-10	3.70E-11	4.01E-10	4.92E-11	1.62E-10	1.12E-11	2.23E-10
9269	470344.15	3820518.67	5.75E-10	2.41E-09	2.17E-10	3.21E-09	4.79E-10	1.77E-09	1.56E-10	2.41E-09	5.43E-11	3.11E-10	3.71E-11	4.02E-10	4.94E-11	1.63E-10	1.12E-11	2.23E-10
9270	470335.24	3820522.23	5.76E-10	2.42E-09	2.18E-10	3.21E-09	4.80E-10	1.78E-09	1.56E-10	2.42E-09	5.44E-11	3.12E-10	3.72E-11	4.03E-10	4.95E-11	1.63E-10	1.12E-11	2.24E-10
9271	470326.33	3820525.8	5.78E-10	2.43E-09	2.19E-10	3.22E-09	4.81E-10	1.78E-09	1.57E-10	2.42E-09	5.46E-11	3.12E-10	3.73E-11	4.04E-10	4.96E-11	1.64E-10	1.13E-11	2.24E-10
9272	470317.42	3820529.36	5.79E-10	2.43E-09	2.19E-10	3.23E-09	4.83E-10	1.79E-09	1.57E-10	2.43E-09	5.47E-11	3.13E-10	3.74E-11	4.05E-10	4.97E-11	1.64E-10	1.13E-11	2.25E-10
9273	470308.5	3820532.92	5.81E-10	2.44E-09	2.20E-10	3.24E-09	4.84E-10	1.79E-09	1.58E-10	2.43E-09	5.49E-11	3.14E-10	3.75E-11	4.06E-10	4.99E-11	1.64E-10	1.13E-11	2.26E-10
9274	470299.59	3820536.48	5.83E-10	2.45E-09	2.20E-10	3.25E-09	4.85E-10	1.80E-09	1.58E-10	2.44E-09	5.50E-11	3.15E-10	3.76E-11	4.08E-10	5.00E-11	1.65E-10	1.14E-11	2.26E-10
9275	470290.68	3820540.04	5.84E-10	2.45E-09	2.21E-10	3.26E-09	4.87E-10	1.80E-09	1.59E-10	2.45E-09	5.52E-11	3.16E-10	3.77E-11	4.09E-10	5.02E-11	1.65E-10	1.14E-11	2.27E-10
9276	470281.76	3820543.6	5.86E-10	2.46E-09	2.22E-10	3.27E-09	4.88E-10	1.81E-09	1.59E-10	2.46E-09	5.54E-11	3.17E-10	3.78E-11	4.10E-10	5.03E-11	1.66E-10	1.14E-11	2.28E-10
9277	470272.85	3820547.16	5.88E-10	2.47E-09	2.22E-10	3.28E-09	4.90E-10	1.81E-09	1.60E-10	2.46E-09	5.55E-11	3.18E-10	3.79E-11	4.11E-10	5.05E-11	1.66E-10	1.15E-11	2.28E-10
9278	471379.21	3819460.26	3.18E-10	1.34E-09	1.20E-10	1.77E-09	2.65E-10	9.81E-10	8.63E-11	1.33E-09	3.00E-11	1.72E-10	2.05E-11	2.22E-10	2.73E-11	9.00E-11	6.20E-12	1.24E-10
9279	471379.29	3819450.61	3.17E-10	1.33E-09	1.20E-10	1.77E-09	2.64E-10	9.79E-10	8.61E-11	1.33E-09	2.99E-11	1.71E-10	2.05E-11	2.22E-10	2.72E-11	8.98E-11	6.19E-12	1.23E-10
9280	471379.38	3819440.97	3.16E-10	1.33E-09	1.20E-10	1.76E-09	2.63E-10	9.76E-10	8.58E-11	1.32E-09	2.99E-11	1.71E-10	2.04E-11	2.21E-10	2.71E-11	8.95E-11	6.17E-12	1.23E-10
9281	471379.46	3819431.32	3.15E-10	1.32E-09	1.19E-10	1.76E-09	2.62E-10	9.72E-10	8.55E-11	1.32E-09	2.98E-11	1.70E-10	2.03E-11	2.20E-10	2.70E-11	8.92E-11	6.15E-12	1.22E-10
9282	471379.54	3819421.67	3.14E-10	1.32E-09	1.19E-10	1.75E-09	2.61E-10	9.69E-10	8.52E-11	1.32E-09	2.96E-11	1.70E-10	2.02E-11	2.20E-10	2.69E-11	8.89E-11	6.12E-12	1.22E-10
9283	471379.62	3819412.02	3.13E-10	1.31E-09	1.18E-10	1.74E-09	2.60E-10	9.65E-10	8.49E-11	1.31E-09	2.95E-11	1.69E-10	2.02E-11	2.19E-10	2.68E-11	8.85E-11	6.10E-12	1.21E-10
9284	471379.71	3819402.37	3.11E-10	1.31E-09	1.18E-10	1.74E-09	2.59E-10	9.60E-10	8.45E-11	1.30E-09	2.94E-11	1.68E-10	2.01E-11	2.18E-10	2.67E-11	8.81E-11	6.07E-12	1.21E-10
9285	471379.79	3819392.72	3.1E-10	1.30E-09	1.17E-10	1.73E-09	2.58E-10	9.55E-10	8.40E-11	1.30E-09	2.92E-11	1.67E-10	2.00E-11	2.17E-10	2.66E-11	8.76E-11	6.04E-12	1.20E-10
9286	471379.87	3819383.08	3.08E-10	1.29E-09	1.16E-10	1.72E-09	2.57E-10	9.50E-10	8.36E-11	1.29E-09	2.91E-11	1.66E-10	1.99E-11	2.15E-10	2.64E-11	8.72E-11	6.01E-12	1.20E-10
9287	471379.95	3819373.43	3.06E-10	1.29E-09	1.16E-10	1.71E-09	2.55E-10	9.45E-10	8.31E-11	1.28E-09	2.89E-11	1.66E-10	1.97E-11	2.14E-10	2.63E-11	8.67E-11	5.97E-12	1.19E-10
9288	471380.04	3819363.78	3.04E-10	1.28E-09	1.15E-10	1.70E-09	2.53E-10	9.39E-10	8.26E-11	1.27E-09	2.87E-11	1.64E-10	1.96E-11	2.13E-10	2.61E-11	8.61E-11	5.94E-12	1.18E-10
9289	471380.12	3819354.13	3.02E-10	1.27E-09	1.14E-10	1.69E-09	2.52E-10	9.33E-10	8.20E-11	1.27E-09	2.85E-11	1.63E-10	1.95E-11	2.11E-10	2.59E-11	8.55E-11	5.90E-12	1.17E-10
9290	471380.2	3819344.48	3E-10	1.26E-09	1.13E-10	1.67E-09	2.50E-10	9.26E-10	8.14E-11	1.26E-09	2.83E-11	1.62E-10	1.94E-11	2.10E-10	2.58E-11	8.49E-11	5.85E-12	1.17E-10
9291	471380.29	3819334.84	2.98E-10	1.25E-09	1.13E-10	1.66E-09	2.48E-10	9.19E-10	8.08E-11	1.25E-09	2.81E-11	1.61E-10	1.92E-11	2.08E-10	2.56E-11	8.43E-11	5.81E-12	1.16E-10
9292	471380.37	3819325.19	2.95E-10	1.24E-09	1.12E-10	1.65E-09	2.46E-10	9.11E-10	8.02E-11	1.24E-09	2.79E-11	1.60E-10	1.90E-11	2.07E-10	2.54E-11	8.36E-11	5.76E-12	1.15E-10
9293	471380.62	3819296.24	2.87E-10	1.21E-09	1.09E-10	1.60E-09	2.39E-10	8.87E-10	7.80E-11	1.20E-09	2.71E-11	1.55E-10	1.85E-11	2.01E-10	2.47E-11	8.13E-11	5.61E-12	1.12E-10
9294	471380.7	3819286.59	2.84E-10	1.19E-09	1.08E-10	1.59E-09	2.37E-10	8.78E-10	7.72E-11	1.19E-09	2.69E-11	1.54E-10	1.83E-11	1.99E-10	2.44E-11	8.05E-11	5.55E-12	1.10E-10
9295	471380.78	3819276.95	2.81E-10	1.18E-09	1.06E-10	1.57E-09	2.34E-10	8.68E-10	7.64E-11	1.18E-09	2.66E-11	1.52E-10	1.81E-11	1.97E-10	2.42E-11	7.96E-11	5.49E-12	1.09E-10
9296	471380.86	3819267.3	2.78E-10	1.17E-09	1.05E-10	1.55E-09	2.32E-10	8.58E-10	7.55E-11	1.17E-09	2.63E-11	1.50E-10	1.79E-11	1.95E-10	2.39E-11	7.87E-11	5.43E-12	1.08E-10

9297	471380.95	3819257.65	2.75E-10	1.15E-09	1.04E-10	1.53E-09	2.29E-10	8.48E-10	7.46E-11	1.15E-09	2.60E-11	1.49E-10	1.77E-11	1.92E-10	2.36E-11	7.78E-11	5.36E-12	1.07E-10
9298	471455.43	3819469.82	2.8E-10	1.18E-09	1.06E-10	1.56E-09	2.33E-10	8.64E-10	7.60E-11	1.17E-09	2.64E-11	1.51E-10	1.80E-11	1.96E-10	2.40E-11	7.92E-11	5.46E-12	1.09E-10
9299	471451.65	3819478.68	2.82E-10	1.18E-09	1.07E-10	1.57E-09	2.35E-10	8.71E-10	7.66E-11	1.18E-09	2.66E-11	1.53E-10	1.82E-11	1.97E-10	2.42E-11	7.99E-11	5.51E-12	1.10E-10
9300	471447.88	3819487.55	2.84E-10	1.19E-09	1.08E-10	1.59E-09	2.37E-10	8.77E-10	7.72E-11	1.19E-09	2.68E-11	1.54E-10	1.83E-11	1.99E-10	2.44E-11	8.05E-11	5.55E-12	1.10E-10
9301	471444.1	3819496.42	2.86E-10	1.20E-09	1.08E-10	1.60E-09	2.39E-10	8.84E-10	7.78E-11	1.20E-09	2.71E-11	1.55E-10	1.85E-11	2.00E-10	2.46E-11	8.11E-11	5.59E-12	1.11E-10
9302	471440.32	3819505.29	2.89E-10	1.21E-09	1.09E-10	1.61E-09	2.40E-10	8.91E-10	7.84E-11	1.21E-09	2.73E-11	1.56E-10	1.86E-11	2.02E-10	2.48E-11	8.17E-11	5.63E-12	1.12E-10
9303	471436.55	3819514.16	2.91E-10	1.22E-09	1.10E-10	1.62E-09	2.42E-10	8.97E-10	7.89E-11	1.22E-09	2.75E-11	1.57E-10	1.88E-11	2.03E-10	2.50E-11	8.23E-11	5.67E-12	1.13E-10
9304	471432.77	3819523.02	2.93E-10	1.23E-09	1.11E-10	1.63E-09	2.44E-10	9.04E-10	7.95E-11	1.23E-09	2.77E-11	1.58E-10	1.89E-11	2.05E-10	2.51E-11	8.29E-11	5.72E-12	1.14E-10
9305	471428.99	3819531.89	2.95E-10	1.24E-09	1.12E-10	1.65E-09	2.46E-10	9.10E-10	8.01E-11	1.24E-09	2.79E-11	1.59E-10	1.90E-11	2.06E-10	2.53E-11	8.35E-11	5.75E-12	1.15E-10
9306	471425.22	3819540.76	2.97E-10	1.25E-09	1.12E-10	1.66E-09	2.47E-10	9.16E-10	8.06E-11	1.24E-09	2.80E-11	1.61E-10	1.92E-11	2.08E-10	2.55E-11	8.41E-11	5.79E-12	1.15E-10
9307	471421.44	3819549.63	2.99E-10	1.26E-09	1.13E-10	1.67E-09	2.49E-10	9.22E-10	8.11E-11	1.25E-09	2.82E-11	1.62E-10	1.93E-11	2.09E-10	2.57E-11	8.46E-11	5.83E-12	1.16E-10
9308	471417.66	3819558.5	3.01E-10	1.26E-09	1.14E-10	1.68E-09	2.51E-10	9.28E-10	8.17E-11	1.26E-09	2.84E-11	1.63E-10	1.94E-11	2.10E-10	2.58E-11	8.52E-11	5.87E-12	1.17E-10
9309	471413.89	3819567.36	3.03E-10	1.27E-09	1.15E-10	1.69E-09	2.52E-10	9.34E-10	8.22E-11	1.27E-09	2.86E-11	1.64E-10	1.95E-11	2.12E-10	2.60E-11	8.57E-11	5.91E-12	1.18E-10
9310	471410.11	3819576.23	3.05E-10	1.28E-09	1.15E-10	1.70E-09	2.54E-10	9.40E-10	8.27E-11	1.28E-09	2.88E-11	1.65E-10	1.96E-11	2.13E-10	2.62E-11	8.62E-11	5.94E-12	1.18E-10
9311	471406.33	3819585.1	3.07E-10	1.29E-09	1.16E-10	1.71E-09	2.55E-10	9.46E-10	8.32E-11	1.28E-09	2.89E-11	1.66E-10	1.98E-11	2.14E-10	2.63E-11	8.68E-11	5.98E-12	1.19E-10
9312	471402.56	3819593.97	3.08E-10	1.30E-09	1.17E-10	1.72E-09	2.57E-10	9.52E-10	8.37E-11	1.29E-09	2.91E-11	1.67E-10	1.99E-11	2.16E-10	2.65E-11	8.73E-11	6.02E-12	1.20E-10
9313	471387.45	3819629.44	3.15E-10	1.32E-09	1.19E-10	1.76E-09	2.63E-10	9.73E-10	8.56E-11	1.32E-09	2.98E-11	1.71E-10	2.03E-11	2.21E-10	2.71E-11	8.93E-11	6.15E-12	1.23E-10
9314	471383.67	3819638.31	3.17E-10	1.33E-09	1.20E-10	1.77E-09	2.64E-10	9.78E-10	8.61E-11	1.33E-09	2.99E-11	1.71E-10	2.05E-11	2.22E-10	2.72E-11	8.97E-11	6.19E-12	1.23E-10
9315	471379.9	3819647.18	3.19E-10	1.34E-09	1.21E-10	1.78E-09	2.65E-10	9.84E-10	8.65E-11	1.34E-09	3.01E-11	1.72E-10	2.06E-11	2.23E-10	2.74E-11	9.02E-11	6.22E-12	1.24E-10
9316	471376.12	3819656.05	3.2E-10	1.35E-09	1.21E-10	1.79E-09	2.67E-10	9.88E-10	8.69E-11	1.34E-09	3.02E-11	1.73E-10	2.07E-11	2.24E-10	2.75E-11	9.07E-11	6.25E-12	1.24E-10
9317	471372.34	3819664.91	3.22E-10	1.35E-09	1.22E-10	1.80E-09	2.68E-10	9.93E-10	8.74E-11	1.35E-09	3.04E-11	1.74E-10	2.08E-11	2.25E-10	2.76E-11	9.11E-11	6.28E-12	1.25E-10
9318	471368.57	3819673.78	3.23E-10	1.36E-09	1.22E-10	1.80E-09	2.69E-10	9.98E-10	8.78E-11	1.36E-09	3.05E-11	1.75E-10	2.09E-11	2.26E-10	2.78E-11	9.15E-11	6.31E-12	1.26E-10
9319	471364.79	3819682.65	3.25E-10	1.36E-09	1.23E-10	1.81E-09	2.71E-10	1.00E-09	8.82E-11	1.36E-09	3.07E-11	1.76E-10	2.10E-11	2.27E-10	2.79E-11	9.20E-11	6.34E-12	1.26E-10
9320	471361.01	3819691.52	3.26E-10	1.37E-09	1.23E-10	1.82E-09	2.72E-10	1.01E-09	8.86E-11	1.37E-09	3.08E-11	1.76E-10	2.10E-11	2.28E-10	2.80E-11	9.24E-11	6.37E-12	1.27E-10
9321	471357.24	3819700.39	3.28E-10	1.38E-09	1.24E-10	1.83E-09	2.73E-10	1.01E-09	8.90E-11	1.37E-09	3.09E-11	1.77E-10	2.11E-11	2.29E-10	2.81E-11	9.28E-11	6.39E-12	1.27E-10
9322	471353.46	3819709.25	3.29E-10	1.38E-09	1.24E-10	1.84E-09	2.74E-10	1.02E-09	8.93E-11	1.38E-09	3.11E-11	1.78E-10	2.12E-11	2.30E-10	2.82E-11	9.31E-11	6.42E-12	1.28E-10
9323	471349.68	3819718.12	3.3E-10	1.39E-09	1.25E-10	1.84E-09	2.75E-10	1.02E-09	8.96E-11	1.38E-09	3.12E-11	1.79E-10	2.13E-11	2.31E-10	2.83E-11	9.35E-11	6.44E-12	1.28E-10
9324	471345.91	3819726.99	3.31E-10	1.39E-09	1.25E-10	1.85E-09	2.76E-10	1.02E-09	9.00E-11	1.39E-09	3.13E-11	1.79E-10	2.14E-11	2.32E-10	2.85E-11	9.38E-11	6.47E-12	1.29E-10
9325	471342.13	3819735.86	3.33E-10	1.40E-09	1.26E-10	1.85E-09	2.77E-10	1.03E-09	9.03E-11	1.39E-09	3.14E-11	1.80E-10	2.14E-11	2.33E-10	2.85E-11	9.41E-11	6.49E-12	1.29E-10
9326	471338.35	3819744.73	3.34E-10	1.40E-09	1.26E-10	1.86E-09	2.78E-10	1.03E-09	9.06E-11	1.40E-09	3.15E-11	1.80E-10	2.15E-11	2.33E-10	2.86E-11	9.44E-11	6.51E-12	1.30E-10
9327	471334.58	3819753.59	3.35E-10	1.41E-09	1.27E-10	1.87E-09	2.79E-10	1.03E-09	9.08E-11	1.40E-09	3.16E-11	1.81E-10	2.16E-11	2.34E-10	2.87E-11	9.47E-11	6.53E-12	1.30E-10
9328	471330.8	3819762.46	3.35E-10	1.41E-09	1.27E-10	1.87E-09	2.79E-10	1.04E-09	9.11E-11	1.41E-09	3.17E-11	1.81E-10	2.16E-11	2.35E-10	2.88E-11	9.50E-11	6.55E-12	1.30E-10
9329	471327.02	3819771.33	3.36E-10	1.41E-09	1.27E-10	1.88E-09	2.80E-10	1.04E-09	9.13E-11	1.41E-09	3.18E-11	1.82E-10	2.17E-11	2.35E-10	2.89E-11	9.52E-11	6.56E-12	1.31E-10
9330	471323.25	3819780.2	3.37E-10	1.42E-09	1.27E-10	1.88E-09	2.81E-10	1.04E-09	9.15E-11	1.41E-09	3.18E-11	1.82E-10	2.17E-11	2.36E-10	2.89E-11	9.54E-11	6.58E-12	1.31E-10
9331	471319.47	3819789.07	3.38E-10	1.42E-09	1.28E-10	1.88E-09	2.81E-10	1.04E-09	9.17E-11	1.41E-09	3.19E-11	1.83E-10	2.18E-11	2.36E-10	2.90E-11	9.56E-11	6.59E-12	1.31E-10
9332	471315.69	3819797.93	3.38E-10	1.42E-09	1.28E-10	1.89E-09	2.82E-10	1.04E-09	9.18E-11	1.42E-09	3.19E-11	1.83E-10	2.18E-11	2.37E-10	2.90E-11	9.57E-11	6.60E-12	1.31E-10
9333	471311.92	3819806.8	3.39E-10	1.42E-09	1.28E-10	1.89E-09	2.82E-10	1.05E-09	9.20E-11	1.42E-09	3.20E-11	1.83E-10	2.18E-11	2.37E-10	2.91E-11	9.59E-11	6.61E-12	1.32E-10
9334	471308.14	3819815.67	3.39E-10	1.42E-09	1.28E-10	1.89E-09	2.83E-10	1.05E-09	9.21E-11	1.42E-09	3.20E-11	1.83E-10	2.19E-11	2.37E-10	2.91E-11	9.60E-11	6.62E-12	1.32E-10
9335	471304.36	3819824.54	3.39E-10	1.43E-09	1.28E-10	1.89E-09	2.83E-10	1.05E-09	9.22E-11	1.42E-09	3.21E-11	1.84E-10	2.19E-11	2.37E-10	2.91E-11	9.61E-11	6.62E-12	1.32E-10
9336	471300.59	3819833.41	3.4E-10	1.43E-09	1.28E-10	1.90E-09	2.83E-10	1.05E-09	9.22E-11	1.42E-09	3.21E-11	1.84E-10	2.19E-11	2.38E-10	2.92E-11	9.62E-11	6.63E-12	1.32E-10
9337	471296.81	3819842.28	3.4E-10	1.43E-09	1.29E-10	1.90E-09	2.83E-10	1.05E-09	9.23E-11	1.42E-09	3.21E-11	1.84E-10	2.19E-11	2.38E-10	2.92E-11	9.62E-11	6.63E-12	1.32E-10
9338	471293.03	3819851.14	3.4E-10	1.43E-09	1.29E-10	1.90E-09	2.83E-10	1.05E-09	9.23E-11	1.42E-09	3.21E-11	1.84E-10	2.19E-11	2.38E-10	2.92E-11	9.62E-11	6.63E-12	1.32E-10
9339	471289.26	3819860.01	3.4E-10	1.43E-09	1.29E-10	1.90E-09	2.83E-10	1.05E-09	9.23E-11	1.42E-09	3.21E-11	1.84E-10	2.19E-11	2.38E-10	2.92E-11	9.62E-11	6.63E-12	1.32E-10
9340	471285.48	3819868.88	3.4E-10	1.43E-09	1.29E-10	1.90E-09	2.83E-10	1.05E-09	9.23E-11	1.42E-09	3.21E-11	1.84E-10	2.19E-11	2.38E-10	2.92E-11	9.62E-11	6.63E-12	1.32E-10
9341	471281.7	3819877.75	3.4E-10	1.43E-09	1.28E-10	1.90E-09	2.83E-10	1.05E-09	9.22E-11	1.42E-09	3.21E-11	1.84E-10	2.19E-11	2.38E-10	2.92E-11	9.62E-11	6.63E-12	1.32E-10
9342	471277.93	3819886.62	3.4E-10	1.43E-09	1.28E-10	1.89E-09	2.83E-10	1.05E-09	9.22E-11	1.42E-09	3.21E-11	1.84E-10	2.19E-11	2.38E-10	2.91E-11	9.61E-11	6.63E-12	1.32E-10
9343	471274.15	3819895.48	3.39E-10	1.42E-09	1.28E-10	1.89E-09	2.83E-10	1.05E-09	9.21E-11	1.42E-09	3.20E-11	1.83E-10	2.19E-11	2.37E-10	2.91E-11	9.60E-11	6.62E-12	1.32E-10
9344	471270.37	3819904.35	3.39E-10	1.42E-09	1.28E-10	1.89E-09	2.82E-10	1.05E-09	9.20E-11	1.42E-09	3.20E-11	1.83E-10	2.19E-11	2.37E-10	2.91E-11	9.59E-11	6.61E-12	1.32E-10
9345	471266.6	3819913.22	3.39E-10	1.42E-09	1.28E-10	1.89E-09	2.82E-10	1.04E-09	9.19E-11	1.42E-09	3.20E-11	1.83E-10	2.18E-11	2.37E-10	2.91E-11	9.58E-11	6.61E-12	1.32E-10
9346	471262.82	3819922.09	3.38E-10	1.42E-09	1.28E-10	1.89E-09	2.82E-10	1.04E-09	9.18E-11	1.42E-09	3.19E-11	1.83E-10	2.18E-11	2.37E-10	2.90E-11	9.57E-11	6.60E-12	1.31E-10

9347	471259.04	3819930.96	3.38E-10	1.42E-09	1.28E-10	1.88E-09	2.81E-10	1.04E-09	9.17E-11	1.41E-09	3.19E-11	1.83E-10	2.18E-11	2.36E-10	2.90E-11	9.56E-11	6.59E-12	1.31E-10
9348	471255.27	3819939.82	3.37E-10	1.42E-09	1.27E-10	1.88E-09	2.81E-10	1.04E-09	9.15E-11	1.41E-09	3.18E-11	1.82E-10	2.17E-11	2.36E-10	2.89E-11	9.54E-11	6.58E-12	1.31E-10
9349	471251.49	3819948.69	3.36E-10	1.41E-09	1.27E-10	1.88E-09	2.80E-10	1.04E-09	9.13E-11	1.41E-09	3.18E-11	1.82E-10	2.17E-11	2.35E-10	2.89E-11	9.52E-11	6.56E-12	1.31E-10
9350	471247.71	3819957.56	3.36E-10	1.41E-09	1.27E-10	1.87E-09	2.80E-10	1.04E-09	9.12E-11	1.41E-09	3.17E-11	1.82E-10	2.17E-11	2.35E-10	2.88E-11	9.51E-11	6.55E-12	1.30E-10
9351	471243.94	3819966.43	3.35E-10	1.41E-09	1.27E-10	1.87E-09	2.79E-10	1.03E-09	9.10E-11	1.40E-09	3.17E-11	1.81E-10	2.16E-11	2.35E-10	2.88E-11	9.49E-11	6.54E-12	1.30E-10
9352	471240.16	3819975.3	3.35E-10	1.41E-09	1.27E-10	1.87E-09	2.79E-10	1.03E-09	9.08E-11	1.40E-09	3.16E-11	1.81E-10	2.16E-11	2.34E-10	2.87E-11	9.47E-11	6.53E-12	1.30E-10
9353	471236.38	3819984.16	3.34E-10	1.40E-09	1.26E-10	1.86E-09	2.78E-10	1.03E-09	9.07E-11	1.40E-09	3.15E-11	1.81E-10	2.15E-11	2.34E-10	2.87E-11	9.45E-11	6.52E-12	1.30E-10
9354	471232.61	3819993.03	3.33E-10	1.40E-09	1.26E-10	1.86E-09	2.78E-10	1.03E-09	9.05E-11	1.40E-09	3.15E-11	1.80E-10	2.15E-11	2.33E-10	2.86E-11	9.43E-11	6.50E-12	1.29E-10
9355	471228.83	3820001.9	3.33E-10	1.40E-09	1.26E-10	1.86E-09	2.77E-10	1.03E-09	9.03E-11	1.39E-09	3.14E-11	1.80E-10	2.15E-11	2.33E-10	2.86E-11	9.41E-11	6.49E-12	1.29E-10
9356	471225.05	3820010.77	3.32E-10	1.39E-09	1.26E-10	1.85E-09	2.76E-10	1.02E-09	9.01E-11	1.39E-09	3.13E-11	1.79E-10	2.14E-11	2.32E-10	2.85E-11	9.40E-11	6.48E-12	1.29E-10
9357	471221.28	3820019.64	3.31E-10	1.39E-09	1.25E-10	1.85E-09	2.76E-10	1.02E-09	8.99E-11	1.39E-09	3.13E-11	1.79E-10	2.14E-11	2.32E-10	2.84E-11	9.38E-11	6.46E-12	1.29E-10
9358	471217.5	3820028.51	3.3E-10	1.39E-09	1.25E-10	1.84E-09	2.75E-10	1.02E-09	8.97E-11	1.38E-09	3.12E-11	1.79E-10	2.13E-11	2.31E-10	2.84E-11	9.35E-11	6.45E-12	1.28E-10
9359	471213.72	3820037.37	3.3E-10	1.39E-09	1.25E-10	1.84E-09	2.75E-10	1.02E-09	8.95E-11	1.38E-09	3.11E-11	1.78E-10	2.13E-11	2.31E-10	2.83E-11	9.34E-11	6.44E-12	1.28E-10
9360	471209.95	3820046.24	3.29E-10	1.38E-09	1.24E-10	1.84E-09	2.74E-10	1.02E-09	8.93E-11	1.38E-09	3.11E-11	1.78E-10	2.12E-11	2.30E-10	2.82E-11	9.31E-11	6.42E-12	1.28E-10
9361	471206.17	3820055.11	3.28E-10	1.38E-09	1.24E-10	1.83E-09	2.73E-10	1.01E-09	8.91E-11	1.38E-09	3.10E-11	1.77E-10	2.12E-11	2.30E-10	2.82E-11	9.29E-11	6.41E-12	1.27E-10
9362	471202.39	3820063.98	3.28E-10	1.38E-09	1.24E-10	1.83E-09	2.73E-10	1.01E-09	8.89E-11	1.37E-09	3.09E-11	1.77E-10	2.11E-11	2.29E-10	2.81E-11	9.27E-11	6.39E-12	1.27E-10
9363	471198.62	3820072.85	3.27E-10	1.37E-09	1.24E-10	1.82E-09	2.72E-10	1.01E-09	8.87E-11	1.37E-09	3.09E-11	1.77E-10	2.11E-11	2.29E-10	2.81E-11	9.25E-11	6.38E-12	1.27E-10
9364	471194.84	3820081.71	3.26E-10	1.37E-09	1.23E-10	1.82E-09	2.72E-10	1.01E-09	8.85E-11	1.37E-09	3.08E-11	1.76E-10	2.10E-11	2.28E-10	2.80E-11	9.23E-11	6.36E-12	1.27E-10
9365	471191.06	3820090.58	3.25E-10	1.37E-09	1.23E-10	1.81E-09	2.71E-10	1.00E-09	8.83E-11	1.36E-09	3.07E-11	1.76E-10	2.10E-11	2.28E-10	2.79E-11	9.21E-11	6.35E-12	1.26E-10
9366	471187.29	3820099.45	3.25E-10	1.36E-09	1.23E-10	1.81E-09	2.70E-10	1.00E-09	8.81E-11	1.36E-09	3.06E-11	1.75E-10	2.09E-11	2.27E-10	2.79E-11	9.19E-11	6.33E-12	1.26E-10
9367	471183.51	3820108.32	3.24E-10	1.36E-09	1.22E-10	1.81E-09	2.70E-10	9.99E-10	8.79E-11	1.36E-09	3.06E-11	1.75E-10	2.09E-11	2.26E-10	2.78E-11	9.16E-11	6.32E-12	1.26E-10
9368	471179.73	3820117.19	3.23E-10	1.36E-09	1.22E-10	1.80E-09	2.69E-10	9.97E-10	8.77E-11	1.35E-09	3.05E-11	1.75E-10	2.08E-11	2.26E-10	2.77E-11	9.14E-11	6.30E-12	1.25E-10
9369	471175.96	3820126.05	3.22E-10	1.35E-09	1.22E-10	1.80E-09	2.68E-10	9.94E-10	8.75E-11	1.35E-09	3.04E-11	1.74E-10	2.08E-11	2.25E-10	2.77E-11	9.12E-11	6.29E-12	1.25E-10
9370	471172.18	3820134.92	3.21E-10	1.35E-09	1.22E-10	1.79E-09	2.68E-10	9.92E-10	8.72E-11	1.35E-09	3.04E-11	1.74E-10	2.07E-11	2.25E-10	2.76E-11	9.10E-11	6.27E-12	1.25E-10
9371	471168.4	3820143.79	3.21E-10	1.35E-09	1.21E-10	1.79E-09	2.67E-10	9.89E-10	8.70E-11	1.34E-09	3.03E-11	1.73E-10	2.07E-11	2.24E-10	2.75E-11	9.08E-11	6.26E-12	1.25E-10
9372	471164.63	3820152.66	3.2E-10	1.34E-09	1.21E-10	1.78E-09	2.66E-10	9.87E-10	8.68E-11	1.34E-09	3.02E-11	1.73E-10	2.06E-11	2.24E-10	2.75E-11	9.05E-11	6.24E-12	1.24E-10
9373	471160.85	3820161.53	3.19E-10	1.34E-09	1.21E-10	1.78E-09	2.66E-10	9.84E-10	8.66E-11	1.34E-09	3.01E-11	1.72E-10	2.06E-11	2.23E-10	2.74E-11	9.03E-11	6.22E-12	1.24E-10
9374	471157.07	3820170.39	3.18E-10	1.34E-09	1.20E-10	1.77E-09	2.65E-10	9.81E-10	8.63E-11	1.33E-09	3.00E-11	1.72E-10	2.05E-11	2.22E-10	2.73E-11	9.00E-11	6.20E-12	1.23E-10
9375	471153.3	3820179.26	3.17E-10	1.33E-09	1.20E-10	1.77E-09	2.64E-10	9.78E-10	8.60E-11	1.33E-09	2.99E-11	1.71E-10	2.04E-11	2.22E-10	2.72E-11	8.97E-11	6.18E-12	1.23E-10
9376	471149.52	3820188.13	3.16E-10	1.33E-09	1.19E-10	1.76E-09	2.63E-10	9.75E-10	8.58E-11	1.32E-09	2.98E-11	1.71E-10	2.04E-11	2.21E-10	2.71E-11	8.94E-11	6.17E-12	1.23E-10
9377	471145.74	3820197	3.15E-10	1.32E-09	1.19E-10	1.76E-09	2.62E-10	9.72E-10	8.55E-11	1.32E-09	2.97E-11	1.70E-10	2.03E-11	2.20E-10	2.70E-11	8.92E-11	6.15E-12	1.22E-10
9378	471141.97	3820205.87	3.14E-10	1.32E-09	1.19E-10	1.75E-09	2.62E-10	9.69E-10	8.52E-11	1.32E-09	2.97E-11	1.70E-10	2.03E-11	2.20E-10	2.70E-11	8.89E-11	6.13E-12	1.22E-10
9379	471138.19	3820214.73	3.13E-10	1.31E-09	1.18E-10	1.75E-09	2.61E-10	9.66E-10	8.50E-11	1.31E-09	2.96E-11	1.69E-10	2.02E-11	2.19E-10	2.69E-11	8.86E-11	6.11E-12	1.22E-10
9380	471134.41	3820223.6	3.12E-10	1.31E-09	1.18E-10	1.74E-09	2.60E-10	9.63E-10	8.47E-11	1.31E-09	2.95E-11	1.69E-10	2.01E-11	2.18E-10	2.68E-11	8.83E-11	6.09E-12	1.21E-10
9381	471130.64	3820232.47	3.11E-10	1.31E-09	1.18E-10	1.73E-09	2.59E-10	9.59E-10	8.44E-11	1.30E-09	2.93E-11	1.68E-10	2.00E-11	2.17E-10	2.67E-11	8.80E-11	6.06E-12	1.21E-10
9382	471126.86	3820241.34	3.1E-10	1.30E-09	1.17E-10	1.73E-09	2.58E-10	9.56E-10	8.41E-11	1.30E-09	2.92E-11	1.67E-10	2.00E-11	2.17E-10	2.66E-11	8.77E-11	6.04E-12	1.20E-10
9383	471123.08	3820250.21	3.08E-10	1.30E-09	1.17E-10	1.72E-09	2.57E-10	9.52E-10	8.37E-11	1.29E-09	2.91E-11	1.67E-10	1.99E-11	2.16E-10	2.65E-11	8.73E-11	6.02E-12	1.20E-10
9384	471119.31	3820259.08	3.07E-10	1.29E-09	1.16E-10	1.71E-09	2.56E-10	9.48E-10	8.34E-11	1.29E-09	2.90E-11	1.66E-10	1.98E-11	2.15E-10	2.64E-11	8.70E-11	6.00E-12	1.19E-10
9385	471115.53	3820267.94	3.06E-10	1.29E-09	1.16E-10	1.71E-09	2.55E-10	9.44E-10	8.31E-11	1.28E-09	2.89E-11	1.65E-10	1.97E-11	2.14E-10	2.63E-11	8.66E-11	5.97E-12	1.19E-10
9386	471111.75	3820276.81	3.05E-10	1.28E-09	1.15E-10	1.70E-09	2.54E-10	9.40E-10	8.27E-11	1.28E-09	2.88E-11	1.65E-10	1.97E-11	2.13E-10	2.62E-11	8.63E-11	5.95E-12	1.18E-10
9387	471107.98	3820285.68	3.03E-10	1.27E-09	1.15E-10	1.69E-09	2.53E-10	9.36E-10	8.24E-11	1.27E-09	2.87E-11	1.64E-10	1.96E-11	2.12E-10	2.61E-11	8.59E-11	5.92E-12	1.18E-10
9388	471095.25	3820298.12	3.04E-10	1.28E-09	1.15E-10	1.70E-09	2.53E-10	9.38E-10	8.25E-11	1.27E-09	2.87E-11	1.64E-10	1.96E-11	2.13E-10	2.61E-11	8.60E-11	5.93E-12	1.18E-10
9389	471086.3	3820301.7	3.06E-10	1.28E-09	1.16E-10	1.71E-09	2.55E-10	9.43E-10	8.30E-11	1.28E-09	2.89E-11	1.65E-10	1.97E-11	2.14E-10	2.62E-11	8.65E-11	5.96E-12	1.19E-10
9390	471077.35	3820305.28	3.07E-10	1.29E-09	1.16E-10	1.71E-09	2.56E-10	9.49E-10	8.35E-11	1.29E-09	2.90E-11	1.66E-10	1.98E-11	2.15E-10	2.64E-11	8.70E-11	6.00E-12	1.19E-10
9391	471068.4	3820308.85	3.09E-10	1.30E-09	1.17E-10	1.72E-09	2.57E-10	9.54E-10	8.39E-11	1.30E-09	2.92E-11	1.67E-10	1.99E-11	2.16E-10	2.65E-11	8.75E-11	6.03E-12	1.20E-10
9392	471059.44	3820312.43	3.11E-10	1.30E-09	1.18E-10	1.73E-09	2.59E-10	9.59E-10	8.43E-11	1.30E-09	2.93E-11	1.68E-10	2.00E-11	2.17E-10	2.67E-11	8.80E-11	6.06E-12	1.21E-10
9393	471050.49	3820316.01	3.12E-10	1.31E-09	1.18E-10	1.74E-09	2.60E-10	9.64E-10	8.48E-11	1.31E-09	2.95E-11	1.69E-10	2.01E-11	2.18E-10	2.68E-11	8.84E-11	6.09E-12	1.21E-10
9394	471041.54	3820319.58	3.14E-10	1.32E-09	1.19E-10	1.75E-09	2.62E-10	9.69E-10	8.52E-11	1.32E-09	2.96E-11	1.70E-10	2.02E-11	2.20E-10	2.70E-11	8.89E-11	6.13E-12	1.22E-10
9395	471032.59	3820323.16	3.15E-10	1.32E-09	1.19E-10	1.76E-09	2.63E-10	9.73E-10	8.56E-11	1.32E-09	2.98E-11	1.71E-10	2.03E-11	2.21E-10	2.71E-11	8.93E-11	6.16E-12	1.23E-10
9396	471023.64	3820326.73	3.17E-10	1.33E-09	1.20E-10	1.77E-09	2.64E-10	9.78E-10	8.61E-11	1.33E-09	2.99E-11	1.71E-10	2.04E-11	2.22E-10	2.72E-11	8.97E-11	6.19E-12	1.23E-10

9397	471014.69	3820330.31	3.18E-10	1.34E-09	1.20E-10	1.78E-09	2.65E-10	9.83E-10	8.65E-11	1.33E-09	3.01E-11	1.72E-10	2.05E-11	2.23E-10	2.73E-11	9.02E-11	6.21E-12	1.24E-10
9398	471005.74	3820333.89	3.2E-10	1.34E-09	1.21E-10	1.79E-09	2.67E-10	9.88E-10	8.69E-11	1.34E-09	3.02E-11	1.73E-10	2.06E-11	2.24E-10	2.75E-11	9.06E-11	6.25E-12	1.24E-10
9399	470996.79	3820337.46	3.22E-10	1.35E-09	1.22E-10	1.79E-09	2.68E-10	9.92E-10	8.73E-11	1.35E-09	3.04E-11	1.74E-10	2.07E-11	2.25E-10	2.76E-11	9.10E-11	6.28E-12	1.25E-10
9400	470987.84	3820341.04	3.23E-10	1.36E-09	1.22E-10	1.80E-09	2.69E-10	9.97E-10	8.77E-11	1.35E-09	3.05E-11	1.75E-10	2.08E-11	2.26E-10	2.77E-11	9.15E-11	6.31E-12	1.26E-10
9401	470960.99	3820351.77	3.28E-10	1.38E-09	1.24E-10	1.83E-09	2.73E-10	1.01E-09	8.90E-11	1.37E-09	3.10E-11	1.77E-10	2.11E-11	2.29E-10	2.81E-11	9.28E-11	6.40E-12	1.27E-10
9402	470952.04	3820355.34	3.29E-10	1.38E-09	1.25E-10	1.84E-09	2.74E-10	1.02E-09	8.94E-11	1.38E-09	3.11E-11	1.78E-10	2.13E-11	2.30E-10	2.83E-11	9.33E-11	6.43E-12	1.28E-10
9403	470943.08	3820358.92	3.31E-10	1.39E-09	1.25E-10	1.85E-09	2.76E-10	1.02E-09	8.99E-11	1.39E-09	3.13E-11	1.79E-10	2.14E-11	2.32E-10	2.84E-11	9.37E-11	6.46E-12	1.29E-10
9404	470934.13	3820362.5	3.33E-10	1.40E-09	1.26E-10	1.86E-09	2.77E-10	1.03E-09	9.04E-11	1.39E-09	3.14E-11	1.80E-10	2.15E-11	2.33E-10	2.86E-11	9.42E-11	6.49E-12	1.29E-10
9405	470925.18	3820366.07	3.35E-10	1.41E-09	1.27E-10	1.87E-09	2.79E-10	1.03E-09	9.08E-11	1.40E-09	3.16E-11	1.81E-10	2.16E-11	2.34E-10	2.87E-11	9.47E-11	6.53E-12	1.30E-10
9406	470916.23	3820369.65	3.36E-10	1.41E-09	1.27E-10	1.88E-09	2.80E-10	1.04E-09	9.13E-11	1.41E-09	3.18E-11	1.82E-10	2.17E-11	2.35E-10	2.89E-11	9.52E-11	6.56E-12	1.31E-10
9407	470907.28	3820373.23	3.38E-10	1.42E-09	1.28E-10	1.89E-09	2.82E-10	1.04E-09	9.18E-11	1.42E-09	3.19E-11	1.83E-10	2.18E-11	2.37E-10	2.90E-11	9.57E-11	6.60E-12	1.31E-10
9408	470898.33	3820376.8	3.4E-10	1.43E-09	1.29E-10	1.90E-09	2.83E-10	1.05E-09	9.24E-11	1.43E-09	3.21E-11	1.84E-10	2.19E-11	2.38E-10	2.92E-11	9.63E-11	6.64E-12	1.32E-10
9409	470889.38	3820380.38	3.42E-10	1.44E-09	1.29E-10	1.91E-09	2.85E-10	1.06E-09	9.29E-11	1.43E-09	3.23E-11	1.85E-10	2.21E-11	2.39E-10	2.94E-11	9.69E-11	6.68E-12	1.33E-10
9410	470880.43	3820383.95	3.44E-10	1.45E-09	1.30E-10	1.92E-09	2.87E-10	1.06E-09	9.34E-11	1.44E-09	3.25E-11	1.86E-10	2.22E-11	2.41E-10	2.95E-11	9.74E-11	6.72E-12	1.34E-10
9411	470871.48	3820387.53	3.46E-10	1.45E-09	1.31E-10	1.93E-09	2.88E-10	1.07E-09	9.40E-11	1.45E-09	3.27E-11	1.87E-10	2.23E-11	2.42E-10	2.97E-11	9.80E-11	6.76E-12	1.34E-10
9412	470862.53	3820391.11	3.48E-10	1.46E-09	1.32E-10	1.94E-09	2.90E-10	1.08E-09	9.46E-11	1.46E-09	3.29E-11	1.88E-10	2.25E-11	2.44E-10	2.99E-11	9.86E-11	6.80E-12	1.35E-10
9413	470790.92	3820419.72	3.71E-10	1.56E-09	1.40E-10	2.07E-09	3.09E-10	1.14E-09	1.01E-10	1.55E-09	3.50E-11	2.01E-10	2.39E-11	2.60E-10	3.18E-11	1.05E-10	7.24E-12	1.44E-10
9414	470781.97	3820423.29	3.74E-10	1.57E-09	1.42E-10	2.09E-09	3.12E-10	1.15E-09	1.02E-10	1.57E-09	3.53E-11	2.02E-10	2.41E-11	2.62E-10	3.21E-11	1.06E-10	7.30E-12	1.45E-10
9415	470773.02	3820426.87	3.78E-10	1.59E-09	1.43E-10	2.11E-09	3.15E-10	1.17E-09	1.03E-10	1.58E-09	3.57E-11	2.04E-10	2.44E-11	2.64E-10	3.24E-11	1.07E-10	7.37E-12	1.47E-10
9416	470764.07	3820430.45	3.81E-10	1.60E-09	1.44E-10	2.13E-09	3.18E-10	1.18E-09	1.03E-10	1.60E-09	3.60E-11	2.06E-10	2.46E-11	2.67E-10	3.27E-11	1.08E-10	7.44E-12	1.48E-10
9417	470755.12	3820434.02	3.85E-10	1.62E-09	1.46E-10	2.15E-09	3.21E-10	1.19E-09	1.05E-10	1.61E-09	3.64E-11	2.08E-10	2.48E-11	2.69E-10	3.30E-11	1.09E-10	7.51E-12	1.50E-10
9418	470746.17	3820437.6	3.89E-10	1.63E-09	1.47E-10	2.17E-09	3.24E-10	1.20E-09	1.06E-10	1.63E-09	3.67E-11	2.10E-10	2.51E-11	2.72E-10	3.34E-11	1.10E-10	7.59E-12	1.51E-10
9419	470737.22	3820441.17	3.93E-10	1.65E-09	1.49E-10	2.19E-09	3.27E-10	1.21E-09	1.07E-10	1.65E-09	3.71E-11	2.12E-10	2.53E-11	2.75E-10	3.37E-11	1.11E-10	7.66E-12	1.53E-10
9420	470728.27	3820444.75	3.97E-10	1.67E-09	1.50E-10	2.21E-09	3.30E-10	1.22E-09	1.08E-10	1.66E-09	3.75E-11	2.14E-10	2.56E-11	2.77E-10	3.41E-11	1.12E-10	7.74E-12	1.54E-10
9421	470719.31	3820448.33	4.01E-10	1.68E-09	1.52E-10	2.23E-09	3.34E-10	1.24E-09	1.09E-10	1.68E-09	3.78E-11	2.17E-10	2.58E-11	2.80E-10	3.44E-11	1.13E-10	7.82E-12	1.56E-10
9422	470710.36	3820451.9	4.05E-10	1.70E-09	1.53E-10	2.26E-09	3.37E-10	1.25E-09	1.10E-10	1.70E-09	3.82E-11	2.19E-10	2.61E-11	2.83E-10	3.48E-11	1.15E-10	7.90E-12	1.57E-10
9423	470701.41	3820455.48	4.09E-10	1.72E-09	1.55E-10	2.28E-09	3.41E-10	1.26E-09	1.11E-10	1.72E-09	3.87E-11	2.21E-10	2.64E-11	2.86E-10	3.52E-11	1.16E-10	7.99E-12	1.59E-10
9424	470692.46	3820459.06	4.14E-10	1.74E-09	1.57E-10	2.31E-09	3.45E-10	1.28E-09	1.12E-10	1.73E-09	3.91E-11	2.24E-10	2.67E-11	2.90E-10	3.55E-11	1.17E-10	8.08E-12	1.61E-10
9425	470683.51	3820462.63	4.19E-10	1.76E-09	1.58E-10	2.34E-09	3.49E-10	1.29E-09	1.14E-10	1.75E-09	3.95E-11	2.26E-10	2.70E-11	2.93E-10	3.59E-11	1.19E-10	8.17E-12	1.63E-10
9426	470674.56	3820466.21	4.23E-10	1.78E-09	1.60E-10	2.36E-09	3.53E-10	1.31E-09	1.15E-10	1.77E-09	4.00E-11	2.29E-10	2.73E-11	2.96E-10	3.63E-11	1.20E-10	8.26E-12	1.64E-10
9427	470665.61	3820469.78	4.28E-10	1.80E-09	1.62E-10	2.39E-09	3.56E-10	1.32E-09	1.16E-10	1.79E-09	4.04E-11	2.31E-10	2.76E-11	2.99E-10	3.67E-11	1.21E-10	8.35E-12	1.66E-10
9428	470656.66	3820473.36	4.32E-10	1.82E-09	1.63E-10	2.41E-09	3.60E-10	1.33E-09	1.17E-10	1.81E-09	4.08E-11	2.34E-10	2.79E-11	3.02E-10	3.71E-11	1.22E-10	8.43E-12	1.68E-10
9429	470647.71	3820476.94	4.37E-10	1.83E-09	1.65E-10	2.44E-09	3.64E-10	1.35E-09	1.19E-10	1.83E-09	4.12E-11	2.36E-10	2.82E-11	3.05E-10	3.75E-11	1.24E-10	8.52E-12	1.70E-10
9430	470638.76	3820480.51	4.41E-10	1.85E-09	1.67E-10	2.46E-09	3.67E-10	1.36E-09	1.20E-10	1.85E-09	4.17E-11	2.38E-10	2.84E-11	3.09E-10	3.79E-11	1.25E-10	8.61E-12	1.71E-10
9431	470629.81	3820484.09	4.45E-10	1.87E-09	1.68E-10	2.48E-09	3.71E-10	1.37E-09	1.21E-10	1.87E-09	4.21E-11	2.41E-10	2.87E-11	3.12E-10	3.82E-11	1.26E-10	8.69E-12	1.73E-10
9432	470620.86	3820487.67	4.5E-10	1.89E-09	1.70E-10	2.51E-09	3.75E-10	1.39E-09	1.22E-10	1.88E-09	4.25E-11	2.43E-10	2.90E-11	3.15E-10	3.86E-11	1.27E-10	8.78E-12	1.75E-10
9433	470611.91	3820491.24	4.54E-10	1.91E-09	1.72E-10	2.53E-09	3.78E-10	1.40E-09	1.23E-10	1.90E-09	4.28E-11	2.45E-10	2.93E-11	3.17E-10	3.90E-11	1.28E-10	8.85E-12	1.76E-10
9434	470602.95	3820494.82	4.58E-10	1.92E-09	1.73E-10	2.55E-09	3.81E-10	1.41E-09	1.24E-10	1.92E-09	4.32E-11	2.47E-10	2.95E-11	3.20E-10	3.93E-11	1.30E-10	8.93E-12	1.78E-10
9435	470594	3820498.39	4.61E-10	1.94E-09	1.74E-10	2.57E-09	3.84E-10	1.42E-09	1.25E-10	1.93E-09	4.36E-11	2.49E-10	2.98E-11	3.23E-10	3.96E-11	1.31E-10	9.00E-12	1.79E-10
9436	470585.05	3820501.97	4.65E-10	1.95E-09	1.76E-10	2.59E-09	3.87E-10	1.43E-09	1.26E-10	1.95E-09	4.39E-11	2.51E-10	3.00E-11	3.25E-10	3.99E-11	1.32E-10	9.07E-12	1.81E-10
9437	470576.1	3820505.55	4.68E-10	1.97E-09	1.77E-10	2.61E-09	3.90E-10	1.45E-09	1.27E-10	1.96E-09	4.42E-11	2.53E-10	3.02E-11	3.28E-10	4.02E-11	1.33E-10	9.14E-12	1.82E-10
9438	470567.15	3820509.12	4.72E-10	1.98E-09	1.78E-10	2.63E-09	3.93E-10	1.46E-09	1.28E-10	1.98E-09	4.45E-11	2.55E-10	3.04E-11	3.30E-10	4.05E-11	1.33E-10	9.20E-12	1.83E-10
9439	470558.2	3820512.7	4.75E-10	1.99E-09	1.80E-10	2.65E-09	3.95E-10	1.46E-09	1.29E-10	1.99E-09	4.48E-11	2.57E-10	3.06E-11	3.32E-10	4.08E-11	1.34E-10	9.26E-12	1.84E-10
9440	470549.25	3820516.28	4.78E-10	2.01E-09	1.81E-10	2.66E-09	3.98E-10	1.47E-09	1.30E-10	2.00E-09	4.51E-11	2.58E-10	3.08E-11	3.34E-10	4.10E-11	1.35E-10	9.32E-12	1.86E-10
9441	470540.3	3820519.85	4.8E-10	2.02E-09	1.82E-10	2.68E-09	4.00E-10	1.48E-09	1.30E-10	2.01E-09	4.54E-11	2.60E-10	3.10E-11	3.36E-10	4.12E-11	1.36E-10	9.37E-12	1.87E-10
9442	470531.35	3820523.43	4.83E-10	2.03E-09	1.83E-10	2.69E-09	4.02E-10	1.49E-09	1.31E-10	2.02E-09	4.56E-11	2.61E-10	3.11E-11	3.38E-10	4.15E-11	1.37E-10	9.42E-12	1.88E-10
9443	470522.4	3820527	4.85E-10	2.04E-09	1.84E-10	2.71E-09	4.04E-10	1.50E-09	1.32E-10	2.03E-09	4.58E-11	2.62E-10	3.13E-11	3.39E-10	4.17E-11	1.37E-10	9.47E-12	1.88E-10
9444	470513.45	3820530.58	4.87E-10	2.05E-09	1.84E-10	2.72E-09	4.06E-10	1.50E-09	1.32E-10	2.04E-09	4.60E-11	2.64E-10	3.14E-11	3.41E-10	4.18E-11	1.38E-10	9.51E-12	1.89E-10
9445	470504.5	3820534.16	4.89E-10	2.06E-09	1.85E-10	2.73E-09	4.08E-10	1.51E-09	1.33E-10	2.05E-09	4.62E-11	2.65E-10	3.16E-11	3.42E-10	4.20E-11	1.39E-10	9.55E-12	1.90E-10
9446	470495.54	3820537.73	4.91E-10	2.06E-09	1.86E-10	2.74E-09	4.09E-10	1.52E-09	1.33E-10	2.06E-09	4.64E-11	2.66E-10	3.17E-11	3.44E-10	4.22E-11	1.39E-10	9.59E-12	1.91E-10

9447	470486.59	3820541.31	4.93E-10	2.07E-09	1.86E-10	2.75E-09	4.11E-10	1.52E-09	1.34E-10	2.07E-09	4.66E-11	2.66E-10	3.18E-11	3.45E-10	4.23E-11	1.40E-10	9.62E-12	1.91E-10
9448	470477.64	3820544.89	4.95E-10	2.08E-09	1.87E-10	2.76E-09	4.12E-10	1.53E-09	1.34E-10	2.07E-09	4.67E-11	2.67E-10	3.19E-11	3.46E-10	4.25E-11	1.40E-10	9.65E-12	1.92E-10
9449	470468.69	3820548.46	4.96E-10	2.08E-09	1.88E-10	2.77E-09	4.13E-10	1.53E-09	1.35E-10	2.08E-09	4.69E-11	2.68E-10	3.20E-11	3.47E-10	4.26E-11	1.40E-10	9.68E-12	1.93E-10
9450	470459.74	3820552.04	4.98E-10	2.09E-09	1.88E-10	2.78E-09	4.14E-10	1.54E-09	1.35E-10	2.09E-09	4.70E-11	2.69E-10	3.21E-11	3.48E-10	4.27E-11	1.41E-10	9.71E-12	1.93E-10
9451	470450.79	3820555.61	4.99E-10	2.10E-09	1.89E-10	2.78E-09	4.16E-10	1.54E-09	1.35E-10	2.09E-09	4.71E-11	2.70E-10	3.22E-11	3.49E-10	4.28E-11	1.41E-10	9.74E-12	1.94E-10
9452	470441.84	3820559.19	5E-10	2.10E-09	1.89E-10	2.79E-09	4.17E-10	1.54E-09	1.36E-10	2.10E-09	4.73E-11	2.71E-10	3.23E-11	3.50E-10	4.30E-11	1.42E-10	9.76E-12	1.94E-10
9453	470432.89	3820562.77	5.02E-10	2.11E-09	1.90E-10	2.80E-09	4.18E-10	1.55E-09	1.36E-10	2.10E-09	4.74E-11	2.71E-10	3.24E-11	3.51E-10	4.31E-11	1.42E-10	9.79E-12	1.95E-10
9454	470423.94	3820566.34	5.03E-10	2.11E-09	1.90E-10	2.81E-09	4.19E-10	1.55E-09	1.37E-10	2.11E-09	4.75E-11	2.72E-10	3.24E-11	3.52E-10	4.32E-11	1.42E-10	9.82E-12	1.95E-10
9455	470414.99	3820569.92	5.04E-10	2.12E-09	1.91E-10	2.81E-09	4.20E-10	1.56E-09	1.37E-10	2.11E-09	4.76E-11	2.73E-10	3.25E-11	3.53E-10	4.33E-11	1.43E-10	9.84E-12	1.96E-10
9456	470406.04	3820573.5	5.05E-10	2.12E-09	1.91E-10	2.82E-09	4.21E-10	1.56E-09	1.37E-10	2.12E-09	4.77E-11	2.73E-10	3.26E-11	3.53E-10	4.34E-11	1.43E-10	9.86E-12	1.96E-10
9457	470397.09	3820577.07	5.07E-10	2.13E-09	1.92E-10	2.83E-09	4.22E-10	1.56E-09	1.37E-10	2.12E-09	4.78E-11	2.74E-10	3.27E-11	3.54E-10	4.35E-11	1.43E-10	9.88E-12	1.97E-10
9458	470388.14	3820580.65	5.08E-10	2.13E-09	1.92E-10	2.83E-09	4.23E-10	1.57E-09	1.38E-10	2.13E-09	4.79E-11	2.74E-10	3.27E-11	3.55E-10	4.36E-11	1.44E-10	9.91E-12	1.97E-10
9459	470379.18	3820584.22	5.09E-10	2.14E-09	1.92E-10	2.84E-09	4.24E-10	1.57E-09	1.38E-10	2.13E-09	4.81E-11	2.75E-10	3.28E-11	3.56E-10	4.37E-11	1.44E-10	9.93E-12	1.98E-10
9460	470370.23	3820587.8	5.1E-10	2.14E-09	1.93E-10	2.84E-09	4.25E-10	1.57E-09	1.38E-10	2.14E-09	4.82E-11	2.76E-10	3.29E-11	3.57E-10	4.38E-11	1.44E-10	9.95E-12	1.98E-10
9461	470361.28	3820591.38	5.11E-10	2.15E-09	1.93E-10	2.85E-09	4.26E-10	1.58E-09	1.39E-10	2.14E-09	4.83E-11	2.76E-10	3.30E-11	3.57E-10	4.39E-11	1.45E-10	9.97E-12	1.98E-10
9462	470352.33	3820594.95	5.12E-10	2.15E-09	1.94E-10	2.86E-09	4.27E-10	1.58E-09	1.39E-10	2.15E-09	4.84E-11	2.77E-10	3.30E-11	3.58E-10	4.40E-11	1.45E-10	9.99E-12	1.99E-10
9463	470343.38	3820598.53	5.13E-10	2.15E-09	1.94E-10	2.86E-09	4.27E-10	1.58E-09	1.39E-10	2.15E-09	4.85E-11	2.77E-10	3.31E-11	3.59E-10	4.40E-11	1.45E-10	1.00E-11	1.99E-10
9464	470334.43	3820602.11	5.14E-10	2.16E-09	1.94E-10	2.87E-09	4.28E-10	1.59E-09	1.40E-10	2.15E-09	4.85E-11	2.78E-10	3.32E-11	3.60E-10	4.41E-11	1.46E-10	1.00E-11	2.00E-10
9465	470325.48	3820605.68	5.15E-10	2.16E-09	1.95E-10	2.87E-09	4.29E-10	1.59E-09	1.40E-10	2.16E-09	4.86E-11	2.78E-10	3.32E-11	3.60E-10	4.42E-11	1.46E-10	1.01E-11	2.00E-10
9466	470316.53	3820609.26	5.16E-10	2.17E-09	1.95E-10	2.88E-09	4.30E-10	1.59E-09	1.40E-10	2.16E-09	4.88E-11	2.79E-10	3.33E-11	3.61E-10	4.43E-11	1.46E-10	1.01E-11	2.01E-10
9467	470307.58	3820612.83	5.18E-10	2.17E-09	1.96E-10	2.89E-09	4.31E-10	1.60E-09	1.41E-10	2.17E-09	4.89E-11	2.80E-10	3.34E-11	3.62E-10	4.44E-11	1.47E-10	1.01E-11	2.01E-10
9468	470298.63	3820616.41	5.19E-10	2.18E-09	1.96E-10	2.90E-09	4.32E-10	1.60E-09	1.41E-10	2.18E-09	4.90E-11	2.81E-10	3.35E-11	3.63E-10	4.46E-11	1.47E-10	1.01E-11	2.02E-10
9469	470289.68	3820619.99	5.21E-10	2.19E-09	1.97E-10	2.90E-09	4.34E-10	1.61E-09	1.41E-10	2.18E-09	4.92E-11	2.82E-10	3.36E-11	3.64E-10	4.47E-11	1.47E-10	1.02E-11	2.02E-10
9470	470280.73	3820623.56	5.22E-10	2.19E-09	1.98E-10	2.91E-09	4.35E-10	1.61E-09	1.42E-10	2.19E-09	4.93E-11	2.82E-10	3.37E-11	3.65E-10	4.48E-11	1.48E-10	1.02E-11	2.03E-10
9471	470271.77	3820627.14	5.24E-10	2.20E-09	1.98E-10	2.92E-09	4.36E-10	1.62E-09	1.42E-10	2.20E-09	4.95E-11	2.83E-10	3.38E-11	3.67E-10	4.50E-11	1.48E-10	1.02E-11	2.04E-10
9472	471459.21	3819460.95	2.78E-10	1.17E-09	1.05E-10	1.55E-09	2.31E-10	8.56E-10	7.53E-11	1.16E-09	2.62E-11	1.50E-10	1.79E-11	1.94E-10	2.38E-11	7.86E-11	5.42E-12	1.08E-10
9473	471459.29	3819451.3	2.77E-10	1.16E-09	1.05E-10	1.54E-09	2.31E-10	8.54E-10	7.51E-11	1.16E-09	2.61E-11	1.50E-10	1.79E-11	1.94E-10	2.38E-11	7.83E-11	5.40E-12	1.08E-10
9474	471459.37	3819441.65	2.76E-10	1.16E-09	1.04E-10	1.54E-09	2.30E-10	8.52E-10	7.49E-11	1.16E-09	2.61E-11	1.49E-10	1.78E-11	1.93E-10	2.37E-11	7.81E-11	5.39E-12	1.07E-10
9475	471459.45	3819432	2.75E-10	1.16E-09	1.04E-10	1.53E-09	2.29E-10	8.49E-10	7.47E-11	1.15E-09	2.60E-11	1.49E-10	1.77E-11	1.92E-10	2.36E-11	7.79E-11	5.37E-12	1.07E-10
9476	471459.54	3819422.35	2.74E-10	1.15E-09	1.04E-10	1.53E-09	2.28E-10	8.46E-10	7.44E-11	1.15E-09	2.59E-11	1.48E-10	1.77E-11	1.92E-10	2.35E-11	7.76E-11	5.35E-12	1.06E-10
9477	471459.62	3819412.71	2.73E-10	1.15E-09	1.03E-10	1.52E-09	2.27E-10	8.42E-10	7.41E-11	1.14E-09	2.58E-11	1.48E-10	1.76E-11	1.91E-10	2.34E-11	7.73E-11	5.33E-12	1.06E-10
9478	471459.87	3819383.76	2.69E-10	1.13E-09	1.02E-10	1.50E-09	2.24E-10	8.31E-10	7.31E-11	1.13E-09	2.54E-11	1.46E-10	1.74E-11	1.88E-10	2.31E-11	7.62E-11	5.25E-12	1.05E-10
9479	471459.95	3819374.11	2.68E-10	1.12E-09	1.01E-10	1.49E-09	2.23E-10	8.26E-10	7.27E-11	1.12E-09	2.53E-11	1.45E-10	1.73E-11	1.87E-10	2.30E-11	7.58E-11	5.22E-12	1.04E-10
9480	471460.03	3819364.47	2.66E-10	1.12E-09	1.01E-10	1.48E-09	2.22E-10	8.21E-10	7.22E-11	1.12E-09	2.51E-11	1.44E-10	1.72E-11	1.86E-10	2.28E-11	7.53E-11	5.19E-12	1.03E-10
9481	471460.12	3819354.82	2.64E-10	1.11E-09	1.00E-10	1.47E-09	2.20E-10	8.16E-10	7.18E-11	1.11E-09	2.50E-11	1.43E-10	1.71E-11	1.85E-10	2.27E-11	7.49E-11	5.16E-12	1.03E-10
9482	471460.2	3819345.17	2.63E-10	1.10E-09	9.93E-11	1.46E-09	2.19E-10	8.10E-10	7.13E-11	1.10E-09	2.48E-11	1.42E-10	1.69E-11	1.84E-10	2.25E-11	7.43E-11	5.12E-12	1.02E-10
9483	471460.28	3819335.52	2.61E-10	1.09E-09	9.86E-11	1.45E-09	2.17E-10	8.05E-10	7.08E-11	1.09E-09	2.46E-11	1.41E-10	1.68E-11	1.82E-10	2.24E-11	7.38E-11	5.09E-12	1.01E-10
9484	471460.36	3819325.87	2.59E-10	1.09E-09	9.78E-11	1.44E-09	2.15E-10	7.98E-10	7.02E-11	1.08E-09	2.44E-11	1.40E-10	1.67E-11	1.81E-10	2.22E-11	7.32E-11	5.05E-12	1.00E-10
9485	471460.45	3819316.22	2.57E-10	1.08E-09	9.70E-11	1.43E-09	2.14E-10	7.92E-10	6.97E-11	1.08E-09	2.42E-11	1.39E-10	1.66E-11	1.80E-10	2.20E-11	7.26E-11	5.01E-12	9.97E-11
9486	471460.53	3819306.58	2.54E-10	1.07E-09	9.62E-11	1.42E-09	2.12E-10	7.85E-10	6.91E-11	1.07E-09	2.40E-11	1.38E-10	1.64E-11	1.78E-10	2.18E-11	7.20E-11	4.96E-12	9.88E-11
9487	471460.61	3819296.93	2.52E-10	1.06E-09	9.54E-11	1.41E-09	2.10E-10	7.78E-10	6.84E-11	1.06E-09	2.38E-11	1.36E-10	1.63E-11	1.76E-10	2.16E-11	7.14E-11	4.92E-12	9.79E-11
9488	471460.7	3819287.28	2.5E-10	1.05E-09	9.45E-11	1.39E-09	2.08E-10	7.71E-10	6.78E-11	1.05E-09	2.36E-11	1.35E-10	1.61E-11	1.75E-10	2.14E-11	7.07E-11	4.87E-12	9.70E-11
9489	471460.78	3819277.63	2.47E-10	1.04E-09	9.35E-11	1.38E-09	2.06E-10	7.63E-10	6.71E-11	1.04E-09	2.33E-11	1.34E-10	1.59E-11	1.73E-10	2.12E-11	7.00E-11	4.82E-12	9.60E-11
9490	471460.86	3819267.98	2.45E-10	1.03E-09	9.25E-11	1.36E-09	2.04E-10	7.55E-10	6.64E-11	1.03E-09	2.31E-11	1.32E-10	1.58E-11	1.71E-10	2.10E-11	6.93E-11	4.77E-12	9.50E-11
9491	471460.94	3819258.34	2.42E-10	1.02E-09	9.15E-11	1.35E-09	2.02E-10	7.47E-10	6.57E-11	1.01E-09	2.29E-11	1.31E-10	1.56E-11	1.69E-10	2.08E-11	6.85E-11	4.72E-12	9.40E-11
9492	471535.45	3819470.45	2.46E-10	1.03E-09	9.32E-11	1.37E-09	2.05E-10	7.60E-10	6.69E-11	1.03E-09	2.33E-11	1.33E-10	1.59E-11	1.72E-10	2.11E-11	6.97E-11	4.81E-12	9.57E-11
9493	471524.19	3819496.89	2.52E-10	1.06E-09	9.53E-11	1.40E-09	2.10E-10	7.77E-10	6.84E-11	1.06E-09	2.38E-11	1.36E-10	1.62E-11	1.76E-10	2.16E-11	7.13E-11	4.92E-12	9.78E-11
9494	471520.44	3819505.7	2.54E-10	1.07E-09	9.59E-11	1.42E-09	2.11E-10	7.83E-10	6.89E-11	1.06E-09	2.40E-11	1.37E-10	1.64E-11	1.77E-10	2.18E-11	7.18E-11	4.95E-12	9.85E-11
9495	471516.68	3819514.51	2.55E-10	1.07E-09	9.66E-11	1.42E-09	2.13E-10	7.88E-10	6.93E-11	1.07E-09	2.41E-11	1.38E-10	1.65E-11	1.79E-10	2.19E-11	7.23E-11	4.98E-12	9.92E-11
9496	471512.93	3819523.32	2.57E-10	1.08E-09	9.72E-11	1.43E-09	2.14E-10	7.93E-10	6.98E-11	1.08E-09	2.43E-11	1.39E-10	1.66E-11	1.80E-10	2.21E-11	7.28E-11	5.02E-12	9.99E-11

9497	471509.18	3819532.14	2.59E-10	1.09E-09	9.79E-11	1.44E-09	2.16E-10	7.99E-10	7.03E-11	1.08E-09	2.44E-11	1.40E-10	1.67E-11	1.81E-10	2.22E-11	7.33E-11	5.05E-12	1.01E-10
9498	471505.42	3819540.95	2.61E-10	1.09E-09	9.85E-11	1.45E-09	2.17E-10	8.04E-10	7.07E-11	1.09E-09	2.46E-11	1.41E-10	1.68E-11	1.82E-10	2.24E-11	7.37E-11	5.08E-12	1.01E-10
9499	471501.67	3819549.76	2.62E-10	1.10E-09	9.92E-11	1.46E-09	2.18E-10	8.09E-10	7.12E-11	1.10E-09	2.48E-11	1.42E-10	1.69E-11	1.83E-10	2.25E-11	7.42E-11	5.12E-12	1.02E-10
9500	471497.92	3819558.58	2.64E-10	1.11E-09	9.98E-11	1.47E-09	2.20E-10	8.14E-10	7.16E-11	1.11E-09	2.49E-11	1.43E-10	1.70E-11	1.85E-10	2.26E-11	7.47E-11	5.15E-12	1.02E-10
9501	471494.16	3819567.39	2.65E-10	1.11E-09	1.00E-10	1.48E-09	2.21E-10	8.19E-10	7.21E-11	1.11E-09	2.51E-11	1.43E-10	1.71E-11	1.86E-10	2.28E-11	7.51E-11	5.18E-12	1.03E-10
9502	471490.41	3819576.2	2.67E-10	1.12E-09	1.01E-10	1.49E-09	2.22E-10	8.24E-10	7.25E-11	1.12E-09	2.52E-11	1.44E-10	1.72E-11	1.87E-10	2.29E-11	7.56E-11	5.21E-12	1.04E-10
9503	471486.66	3819585.02	2.69E-10	1.13E-09	1.02E-10	1.50E-09	2.24E-10	8.29E-10	7.29E-11	1.13E-09	2.54E-11	1.45E-10	1.73E-11	1.88E-10	2.31E-11	7.60E-11	5.24E-12	1.04E-10
9504	471482.91	3819593.83	2.7E-10	1.13E-09	1.02E-10	1.51E-09	2.25E-10	8.34E-10	7.33E-11	1.13E-09	2.55E-11	1.46E-10	1.74E-11	1.89E-10	2.32E-11	7.65E-11	5.27E-12	1.05E-10
9505	471479.15	3819602.64	2.72E-10	1.14E-09	1.03E-10	1.52E-09	2.26E-10	8.38E-10	7.38E-11	1.14E-09	2.57E-11	1.47E-10	1.75E-11	1.90E-10	2.33E-11	7.69E-11	5.30E-12	1.06E-10
9506	471475.4	3819611.45	2.73E-10	1.15E-09	1.03E-10	1.52E-09	2.28E-10	8.43E-10	7.42E-11	1.14E-09	2.58E-11	1.48E-10	1.76E-11	1.91E-10	2.35E-11	7.73E-11	5.33E-12	1.06E-10
9507	471471.65	3819620.27	2.75E-10	1.15E-09	1.04E-10	1.53E-09	2.29E-10	8.48E-10	7.46E-11	1.15E-09	2.59E-11	1.49E-10	1.77E-11	1.92E-10	2.36E-11	7.78E-11	5.36E-12	1.07E-10
9508	471467.89	3819629.08	2.76E-10	1.16E-09	1.04E-10	1.54E-09	2.30E-10	8.52E-10	7.50E-11	1.16E-09	2.61E-11	1.49E-10	1.78E-11	1.93E-10	2.37E-11	7.82E-11	5.39E-12	1.07E-10
9509	471464.14	3819637.89	2.78E-10	1.17E-09	1.05E-10	1.55E-09	2.31E-10	8.57E-10	7.54E-11	1.16E-09	2.62E-11	1.50E-10	1.79E-11	1.94E-10	2.38E-11	7.86E-11	5.42E-12	1.08E-10
9510	471460.39	3819646.71	2.79E-10	1.17E-09	1.06E-10	1.56E-09	2.32E-10	8.61E-10	7.58E-11	1.17E-09	2.64E-11	1.51E-10	1.80E-11	1.95E-10	2.40E-11	7.90E-11	5.45E-12	1.08E-10
9511	471456.63	3819655.52	2.81E-10	1.18E-09	1.06E-10	1.56E-09	2.34E-10	8.66E-10	7.62E-11	1.18E-09	2.65E-11	1.52E-10	1.81E-11	1.96E-10	2.41E-11	7.94E-11	5.47E-12	1.09E-10
9512	471441.62	3819690.77	2.86E-10	1.20E-09	1.08E-10	1.59E-09	2.38E-10	8.82E-10	7.76E-11	1.20E-09	2.70E-11	1.55E-10	1.84E-11	2.00E-10	2.45E-11	8.09E-11	5.58E-12	1.11E-10
9513	471437.87	3819699.59	2.87E-10	1.21E-09	1.09E-10	1.60E-09	2.39E-10	8.86E-10	7.80E-11	1.20E-09	2.71E-11	1.55E-10	1.85E-11	2.01E-10	2.47E-11	8.13E-11	5.60E-12	1.12E-10
9514	471434.11	3819708.4	2.88E-10	1.21E-09	1.09E-10	1.61E-09	2.40E-10	8.90E-10	7.83E-11	1.21E-09	2.72E-11	1.56E-10	1.86E-11	2.02E-10	2.48E-11	8.17E-11	5.63E-12	1.12E-10
9515	471430.36	3819717.21	2.9E-10	1.22E-09	1.10E-10	1.62E-09	2.41E-10	8.94E-10	7.86E-11	1.21E-09	2.74E-11	1.57E-10	1.87E-11	2.03E-10	2.49E-11	8.20E-11	5.65E-12	1.13E-10
9516	471426.61	3819726.02	2.91E-10	1.22E-09	1.10E-10	1.62E-09	2.42E-10	8.97E-10	7.89E-11	1.22E-09	2.75E-11	1.57E-10	1.88E-11	2.03E-10	2.50E-11	8.23E-11	5.67E-12	1.13E-10
9517	471422.85	3819734.84	2.92E-10	1.23E-09	1.10E-10	1.63E-09	2.43E-10	9.01E-10	7.93E-11	1.22E-09	2.76E-11	1.58E-10	1.88E-11	2.04E-10	2.51E-11	8.26E-11	5.70E-12	1.13E-10
9518	471419.1	3819743.65	2.93E-10	1.23E-09	1.11E-10	1.63E-09	2.44E-10	9.04E-10	7.96E-11	1.23E-09	2.77E-11	1.58E-10	1.89E-11	2.05E-10	2.52E-11	8.30E-11	5.72E-12	1.14E-10
9519	471415.35	3819752.46	2.94E-10	1.24E-09	1.11E-10	1.64E-09	2.45E-10	9.07E-10	7.98E-11	1.23E-09	2.78E-11	1.59E-10	1.90E-11	2.06E-10	2.52E-11	8.32E-11	5.74E-12	1.14E-10
9520	471411.59	3819761.28	2.95E-10	1.24E-09	1.12E-10	1.65E-09	2.46E-10	9.10E-10	8.01E-11	1.24E-09	2.79E-11	1.60E-10	1.90E-11	2.06E-10	2.53E-11	8.35E-11	5.76E-12	1.15E-10
9521	471407.84	3819770.09	2.96E-10	1.24E-09	1.12E-10	1.65E-09	2.47E-10	9.13E-10	8.03E-11	1.24E-09	2.80E-11	1.60E-10	1.91E-11	2.07E-10	2.54E-11	8.38E-11	5.78E-12	1.15E-10
9522	471404.09	3819778.9	2.97E-10	1.25E-09	1.12E-10	1.66E-09	2.47E-10	9.16E-10	8.06E-11	1.24E-09	2.80E-11	1.60E-10	1.91E-11	2.08E-10	2.55E-11	8.40E-11	5.79E-12	1.15E-10
9523	471400.33	3819787.72	2.98E-10	1.25E-09	1.13E-10	1.66E-09	2.48E-10	9.19E-10	8.08E-11	1.25E-09	2.81E-11	1.61E-10	1.92E-11	2.08E-10	2.56E-11	8.43E-11	5.81E-12	1.16E-10
9524	471396.58	3819796.53	2.98E-10	1.25E-09	1.13E-10	1.66E-09	2.49E-10	9.21E-10	8.10E-11	1.25E-09	2.82E-11	1.61E-10	1.92E-11	2.09E-10	2.56E-11	8.45E-11	5.82E-12	1.16E-10
9525	471392.83	3819805.34	2.99E-10	1.26E-09	1.13E-10	1.67E-09	2.49E-10	9.23E-10	8.12E-11	1.25E-09	2.82E-11	1.62E-10	1.93E-11	2.09E-10	2.57E-11	8.47E-11	5.84E-12	1.16E-10
9526	471389.07	3819814.15	3E-10	1.26E-09	1.13E-10	1.67E-09	2.50E-10	9.25E-10	8.14E-11	1.26E-09	2.83E-11	1.62E-10	1.93E-11	2.10E-10	2.57E-11	8.48E-11	5.85E-12	1.16E-10
9527	471385.32	3819822.97	3E-10	1.26E-09	1.14E-10	1.67E-09	2.50E-10	9.27E-10	8.15E-11	1.26E-09	2.84E-11	1.62E-10	1.94E-11	2.10E-10	2.58E-11	8.50E-11	5.86E-12	1.17E-10
9528	471381.57	3819831.78	3.01E-10	1.26E-09	1.14E-10	1.68E-09	2.51E-10	9.28E-10	8.16E-11	1.26E-09	2.84E-11	1.63E-10	1.94E-11	2.10E-10	2.58E-11	8.51E-11	5.87E-12	1.17E-10
9529	471377.81	3819840.59	3.01E-10	1.26E-09	1.14E-10	1.68E-09	2.51E-10	9.29E-10	8.17E-11	1.26E-09	2.84E-11	1.63E-10	1.94E-11	2.11E-10	2.59E-11	8.52E-11	5.88E-12	1.17E-10
9530	471374.06	3819849.41	3.01E-10	1.27E-09	1.14E-10	1.68E-09	2.51E-10	9.30E-10	8.18E-11	1.26E-09	2.85E-11	1.63E-10	1.94E-11	2.11E-10	2.59E-11	8.53E-11	5.88E-12	1.17E-10
9531	471370.31	3819858.22	3.02E-10	1.27E-09	1.14E-10	1.68E-09	2.51E-10	9.31E-10	8.19E-11	1.26E-09	2.85E-11	1.63E-10	1.95E-11	2.11E-10	2.59E-11	8.54E-11	5.89E-12	1.17E-10
9532	471366.56	3819867.03	3.02E-10	1.27E-09	1.14E-10	1.68E-09	2.52E-10	9.32E-10	8.20E-11	1.27E-09	2.85E-11	1.63E-10	1.95E-11	2.11E-10	2.59E-11	8.55E-11	5.89E-12	1.17E-10
9533	471362.8	3819875.85	3.02E-10	1.27E-09	1.14E-10	1.68E-09	2.52E-10	9.32E-10	8.20E-11	1.27E-09	2.85E-11	1.63E-10	1.95E-11	2.11E-10	2.59E-11	8.55E-11	5.89E-12	1.17E-10
9534	471359.05	3819884.66	3.02E-10	1.27E-09	1.14E-10	1.69E-09	2.52E-10	9.33E-10	8.20E-11	1.27E-09	2.85E-11	1.63E-10	1.95E-11	2.11E-10	2.59E-11	8.55E-11	5.90E-12	1.17E-10
9535	471355.3	3819893.47	3.02E-10	1.27E-09	1.14E-10	1.69E-09	2.52E-10	9.33E-10	8.20E-11	1.27E-09	2.85E-11	1.63E-10	1.95E-11	2.11E-10	2.59E-11	8.55E-11	5.90E-12	1.17E-10
9536	471351.54	3819902.28	3.02E-10	1.27E-09	1.14E-10	1.69E-09	2.52E-10	9.32E-10	8.20E-11	1.27E-09	2.85E-11	1.63E-10	1.95E-11	2.11E-10	2.59E-11	8.55E-11	5.90E-12	1.17E-10
9537	471347.79	3819911.1	3.02E-10	1.27E-09	1.14E-10	1.68E-09	2.52E-10	9.32E-10	8.20E-11	1.27E-09	2.85E-11	1.63E-10	1.95E-11	2.11E-10	2.59E-11	8.55E-11	5.89E-12	1.17E-10
9538	471344.04	3819919.91	3.02E-10	1.27E-09	1.14E-10	1.68E-09	2.51E-10	9.32E-10	8.20E-11	1.27E-09	2.85E-11	1.63E-10	1.95E-11	2.11E-10	2.59E-11	8.55E-11	5.89E-12	1.17E-10
9539	471340.28	3819928.72	3.02E-10	1.27E-09	1.14E-10	1.68E-09	2.51E-10	9.31E-10	8.19E-11	1.26E-09	2.85E-11	1.63E-10	1.95E-11	2.11E-10	2.59E-11	8.54E-11	5.89E-12	1.17E-10
9540	471336.53	3819937.54	3.01E-10	1.27E-09	1.14E-10	1.68E-09	2.51E-10	9.30E-10	8.18E-11	1.26E-09	2.85E-11	1.63E-10	1.94E-11	2.11E-10	2.59E-11	8.53E-11	5.88E-12	1.17E-10
9541	471332.78	3819946.35	3.01E-10	1.26E-09	1.14E-10	1.68E-09	2.51E-10	9.29E-10	8.17E-11	1.26E-09	2.84E-11	1.63E-10	1.94E-11	2.11E-10	2.58E-11	8.52E-11	5.88E-12	1.17E-10
9542	471329.02	3819955.16	3.01E-10	1.26E-09	1.14E-10	1.68E-09	2.51E-10	9.28E-10	8.16E-11	1.26E-09	2.84E-11	1.63E-10	1.94E-11	2.10E-10	2.58E-11	8.51E-11	5.87E-12	1.17E-10
9543	471325.27	3819963.98	3E-10	1.26E-09	1.14E-10	1.68E-09	2.50E-10	9.27E-10	8.15E-11	1.26E-09	2.84E-11	1.62E-10	1.94E-11	2.10E-10	2.58E-11	8.50E-11	5.86E-12	1.17E-10
9544	471321.52	3819972.79	3E-10	1.26E-09	1.13E-10	1.67E-09	2.50E-10	9.26E-10	8.14E-11	1.26E-09	2.83E-11	1.62E-10	1.93E-11	2.10E-10	2.58E-11	8.49E-11	5.85E-12	1.17E-10
9545	471317.76	3819981.6	3E-10	1.26E-09	1.13E-10	1.67E-09	2.50E-10	9.24E-10	8.13E-11	1.26E-09	2.83E-11	1.62E-10	1.93E-11	2.10E-10	2.57E-11	8.48E-11	5.84E-12	1.16E-10
9546	471314.01	3819990.41	2.99E-10	1.26E-09	1.13E-10	1.67E-09	2.49E-10	9.23E-10	8.12E-11	1.25E-09	2.82E-11	1.62E-10	1.93E-11	2.09E-10	2.57E-11	8.46E-11	5.84E-12	1.16E-10

9547	471310.26	3819999.23	2.99E-10	1.25E-09	1.13E-10	1.67E-09	2.49E-10	9.21E-10	8.10E-11	1.25E-09	2.82E-11	1.61E-10	1.93E-11	2.09E-10	2.56E-11	8.45E-11	5.83E-12	1.16E-10
9548	471306.5	3820008.04	2.98E-10	1.25E-09	1.13E-10	1.66E-09	2.48E-10	9.20E-10	8.09E-11	1.25E-09	2.81E-11	1.61E-10	1.92E-11	2.09E-10	2.56E-11	8.44E-11	5.82E-12	1.16E-10
9549	471302.75	3820016.85	2.98E-10	1.25E-09	1.13E-10	1.66E-09	2.48E-10	9.18E-10	8.08E-11	1.25E-09	2.81E-11	1.61E-10	1.92E-11	2.08E-10	2.55E-11	8.42E-11	5.81E-12	1.16E-10
9550	471299	3820025.67	2.97E-10	1.25E-09	1.12E-10	1.66E-09	2.47E-10	9.16E-10	8.06E-11	1.24E-09	2.80E-11	1.61E-10	1.92E-11	2.08E-10	2.55E-11	8.41E-11	5.80E-12	1.15E-10
9551	471295.24	3820034.48	2.96E-10	1.24E-09	1.12E-10	1.65E-09	2.47E-10	9.15E-10	8.05E-11	1.24E-09	2.80E-11	1.60E-10	1.91E-11	2.07E-10	2.54E-11	8.39E-11	5.78E-12	1.15E-10
9552	471291.49	3820043.29	2.96E-10	1.24E-09	1.12E-10	1.65E-09	2.46E-10	9.13E-10	8.03E-11	1.24E-09	2.79E-11	1.60E-10	1.91E-11	2.07E-10	2.54E-11	8.37E-11	5.77E-12	1.15E-10
9553	471287.74	3820052.11	2.95E-10	1.24E-09	1.12E-10	1.65E-09	2.46E-10	9.11E-10	8.01E-11	1.24E-09	2.79E-11	1.60E-10	1.90E-11	2.07E-10	2.53E-11	8.36E-11	5.76E-12	1.15E-10
9554	471283.98	3820060.92	2.95E-10	1.24E-09	1.11E-10	1.64E-09	2.45E-10	9.09E-10	8.00E-11	1.23E-09	2.78E-11	1.59E-10	1.90E-11	2.06E-10	2.53E-11	8.34E-11	5.75E-12	1.14E-10
9555	471280.23	3820069.73	2.94E-10	1.24E-09	1.11E-10	1.64E-09	2.45E-10	9.07E-10	7.98E-11	1.23E-09	2.78E-11	1.59E-10	1.90E-11	2.06E-10	2.52E-11	8.32E-11	5.74E-12	1.14E-10
9556	471276.48	3820078.55	2.94E-10	1.23E-09	1.11E-10	1.64E-09	2.44E-10	9.06E-10	7.97E-11	1.23E-09	2.77E-11	1.59E-10	1.89E-11	2.05E-10	2.52E-11	8.31E-11	5.73E-12	1.14E-10
9557	471272.72	3820087.36	2.93E-10	1.23E-09	1.11E-10	1.63E-09	2.44E-10	9.04E-10	7.95E-11	1.23E-09	2.77E-11	1.58E-10	1.89E-11	2.05E-10	2.51E-11	8.29E-11	5.72E-12	1.14E-10
9558	471268.97	3820096.17	2.92E-10	1.23E-09	1.11E-10	1.63E-09	2.44E-10	9.02E-10	7.94E-11	1.23E-09	2.76E-11	1.58E-10	1.89E-11	2.05E-10	2.51E-11	8.28E-11	5.71E-12	1.14E-10
9559	471265.22	3820104.98	2.92E-10	1.23E-09	1.10E-10	1.63E-09	2.43E-10	9.01E-10	7.92E-11	1.22E-09	2.76E-11	1.58E-10	1.88E-11	2.04E-10	2.51E-11	8.26E-11	5.69E-12	1.13E-10
9560	471261.46	3820113.8	2.91E-10	1.22E-09	1.10E-10	1.62E-09	2.43E-10	8.99E-10	7.91E-11	1.22E-09	2.75E-11	1.57E-10	1.88E-11	2.04E-10	2.50E-11	8.24E-11	5.68E-12	1.13E-10
9561	471257.71	3820122.61	2.91E-10	1.22E-09	1.10E-10	1.62E-09	2.42E-10	8.97E-10	7.89E-11	1.22E-09	2.75E-11	1.57E-10	1.88E-11	2.03E-10	2.50E-11	8.23E-11	5.67E-12	1.13E-10
9562	471253.96	3820131.42	2.9E-10	1.22E-09	1.10E-10	1.62E-09	2.42E-10	8.95E-10	7.88E-11	1.22E-09	2.74E-11	1.57E-10	1.87E-11	2.03E-10	2.49E-11	8.21E-11	5.66E-12	1.13E-10
9563	471250.2	3820140.24	2.9E-10	1.22E-09	1.10E-10	1.62E-09	2.41E-10	8.94E-10	7.86E-11	1.21E-09	2.73E-11	1.57E-10	1.87E-11	2.03E-10	2.49E-11	8.20E-11	5.65E-12	1.12E-10
9564	471246.45	3820149.05	2.89E-10	1.21E-09	1.09E-10	1.61E-09	2.41E-10	8.92E-10	7.85E-11	1.21E-09	2.73E-11	1.56E-10	1.86E-11	2.02E-10	2.48E-11	8.18E-11	5.64E-12	1.12E-10
9565	471242.7	3820157.86	2.88E-10	1.21E-09	1.09E-10	1.61E-09	2.40E-10	8.90E-10	7.83E-11	1.21E-09	2.72E-11	1.56E-10	1.86E-11	2.02E-10	2.48E-11	8.16E-11	5.63E-12	1.12E-10
9566	471238.95	3820166.68	2.88E-10	1.21E-09	1.09E-10	1.61E-09	2.40E-10	8.88E-10	7.81E-11	1.21E-09	2.72E-11	1.56E-10	1.86E-11	2.01E-10	2.47E-11	8.15E-11	5.62E-12	1.12E-10
9567	471235.19	3820175.49	2.87E-10	1.21E-09	1.09E-10	1.60E-09	2.39E-10	8.86E-10	7.79E-11	1.20E-09	2.71E-11	1.55E-10	1.85E-11	2.01E-10	2.46E-11	8.13E-11	5.60E-12	1.12E-10
9568	471231.44	3820184.3	2.86E-10	1.20E-09	1.08E-10	1.60E-09	2.39E-10	8.84E-10	7.78E-11	1.20E-09	2.71E-11	1.55E-10	1.85E-11	2.00E-10	2.46E-11	8.11E-11	5.59E-12	1.11E-10
9569	471227.69	3820193.11	2.86E-10	1.20E-09	1.08E-10	1.59E-09	2.38E-10	8.82E-10	7.76E-11	1.20E-09	2.70E-11	1.55E-10	1.84E-11	2.00E-10	2.45E-11	8.09E-11	5.58E-12	1.11E-10
9570	471223.93	3820201.93	2.85E-10	1.20E-09	1.08E-10	1.59E-09	2.38E-10	8.80E-10	7.74E-11	1.20E-09	2.69E-11	1.54E-10	1.84E-11	2.00E-10	2.45E-11	8.07E-11	5.57E-12	1.11E-10
9571	471220.18	3820210.74	2.85E-10	1.20E-09	1.08E-10	1.59E-09	2.37E-10	8.78E-10	7.72E-11	1.19E-09	2.69E-11	1.54E-10	1.84E-11	1.99E-10	2.44E-11	8.05E-11	5.55E-12	1.11E-10
9572	471216.43	3820219.55	2.84E-10	1.19E-09	1.07E-10	1.58E-09	2.36E-10	8.76E-10	7.71E-11	1.19E-09	2.68E-11	1.53E-10	1.83E-11	1.99E-10	2.44E-11	8.04E-11	5.54E-12	1.10E-10
9573	471212.67	3820228.37	2.83E-10	1.19E-09	1.07E-10	1.58E-09	2.36E-10	8.74E-10	7.69E-11	1.19E-09	2.67E-11	1.53E-10	1.83E-11	1.98E-10	2.43E-11	8.02E-11	5.53E-12	1.10E-10
9574	471208.92	3820237.18	2.82E-10	1.19E-09	1.07E-10	1.58E-09	2.35E-10	8.72E-10	7.67E-11	1.18E-09	2.67E-11	1.53E-10	1.82E-11	1.98E-10	2.42E-11	8.00E-11	5.51E-12	1.10E-10
9575	471205.17	3820245.99	2.82E-10	1.18E-09	1.07E-10	1.57E-09	2.35E-10	8.69E-10	7.65E-11	1.18E-09	2.66E-11	1.52E-10	1.82E-11	1.97E-10	2.42E-11	7.98E-11	5.50E-12	1.09E-10
9576	471201.41	3820254.81	2.81E-10	1.18E-09	1.06E-10	1.57E-09	2.34E-10	8.67E-10	7.63E-11	1.18E-09	2.65E-11	1.52E-10	1.81E-11	1.97E-10	2.41E-11	7.95E-11	5.48E-12	1.09E-10
9577	471197.66	3820263.62	2.8E-10	1.18E-09	1.06E-10	1.56E-09	2.33E-10	8.65E-10	7.61E-11	1.17E-09	2.65E-11	1.51E-10	1.81E-11	1.96E-10	2.41E-11	7.93E-11	5.47E-12	1.09E-10
9578	471193.91	3820272.43	2.79E-10	1.17E-09	1.06E-10	1.56E-09	2.33E-10	8.62E-10	7.58E-11	1.17E-09	2.64E-11	1.51E-10	1.80E-11	1.95E-10	2.40E-11	7.91E-11	5.45E-12	1.09E-10
9579	471190.15	3820281.24	2.78E-10	1.17E-09	1.05E-10	1.55E-09	2.32E-10	8.59E-10	7.56E-11	1.17E-09	2.63E-11	1.51E-10	1.80E-11	1.95E-10	2.39E-11	7.88E-11	5.43E-12	1.08E-10
9580	471186.4	3820290.06	2.78E-10	1.17E-09	1.05E-10	1.55E-09	2.31E-10	8.57E-10	7.54E-11	1.16E-09	2.62E-11	1.50E-10	1.79E-11	1.94E-10	2.38E-11	7.86E-11	5.42E-12	1.08E-10
9581	471182.65	3820298.87	2.77E-10	1.16E-09	1.05E-10	1.54E-09	2.31E-10	8.54E-10	7.51E-11	1.16E-09	2.61E-11	1.50E-10	1.78E-11	1.94E-10	2.38E-11	7.83E-11	5.40E-12	1.07E-10
9582	471178.89	3820307.68	2.76E-10	1.16E-09	1.04E-10	1.54E-09	2.30E-10	8.51E-10	7.49E-11	1.16E-09	2.60E-11	1.49E-10	1.78E-11	1.93E-10	2.37E-11	7.81E-11	5.38E-12	1.07E-10
9583	471175.14	3820316.5	2.75E-10	1.15E-09	1.04E-10	1.53E-09	2.29E-10	8.48E-10	7.46E-11	1.15E-09	2.59E-11	1.49E-10	1.77E-11	1.92E-10	2.36E-11	7.78E-11	5.36E-12	1.07E-10
9584	471171.39	3820325.31	2.74E-10	1.15E-09	1.03E-10	1.53E-09	2.28E-10	8.44E-10	7.43E-11	1.15E-09	2.58E-11	1.48E-10	1.76E-11	1.91E-10	2.35E-11	7.75E-11	5.34E-12	1.06E-10
9585	471167.63	3820334.12	2.73E-10	1.14E-09	1.03E-10	1.52E-09	2.27E-10	8.41E-10	7.40E-11	1.14E-09	2.57E-11	1.47E-10	1.76E-11	1.91E-10	2.34E-11	7.71E-11	5.32E-12	1.06E-10
9586	471163.88	3820342.94	2.71E-10	1.14E-09	1.03E-10	1.51E-09	2.26E-10	8.38E-10	7.37E-11	1.14E-09	2.56E-11	1.47E-10	1.75E-11	1.90E-10	2.33E-11	7.68E-11	5.30E-12	1.05E-10
9587	471151.23	3820355.3	2.72E-10	1.14E-09	1.03E-10	1.52E-09	2.26E-10	8.39E-10	7.38E-11	1.14E-09	2.57E-11	1.47E-10	1.75E-11	1.90E-10	2.33E-11	7.69E-11	5.30E-12	1.06E-10
9588	471142.34	3820358.86	2.73E-10	1.15E-09	1.03E-10	1.52E-09	2.28E-10	8.44E-10	7.42E-11	1.15E-09	2.58E-11	1.48E-10	1.76E-11	1.91E-10	2.35E-11	7.74E-11	5.33E-12	1.06E-10
9589	471133.44	3820362.41	2.75E-10	1.15E-09	1.04E-10	1.53E-09	2.29E-10	8.48E-10	7.46E-11	1.15E-09	2.60E-11	1.49E-10	1.77E-11	1.92E-10	2.36E-11	7.78E-11	5.36E-12	1.07E-10
9590	471124.55	3820365.97	2.76E-10	1.16E-09	1.05E-10	1.54E-09	2.30E-10	8.53E-10	7.50E-11	1.16E-09	2.61E-11	1.49E-10	1.78E-11	1.93E-10	2.37E-11	7.82E-11	5.39E-12	1.07E-10
9591	471115.65	3820369.52	2.78E-10	1.17E-09	1.05E-10	1.55E-09	2.31E-10	8.57E-10	7.54E-11	1.16E-09	2.62E-11	1.50E-10	1.79E-11	1.94E-10	2.38E-11	7.86E-11	5.42E-12	1.08E-10
9592	471106.76	3820373.07	2.79E-10	1.17E-09	1.06E-10	1.56E-09	2.32E-10	8.61E-10	7.58E-11	1.17E-09	2.64E-11	1.51E-10	1.80E-11	1.95E-10	2.40E-11	7.90E-11	5.45E-12	1.08E-10
9593	471097.86	3820376.63	2.8E-10	1.18E-09	1.06E-10	1.56E-09	2.34E-10	8.65E-10	7.61E-11	1.18E-09	2.65E-11	1.52E-10	1.81E-11	1.96E-10	2.41E-11	7.94E-11	5.47E-12	1.09E-10
9594	471088.97	3820380.18	2.82E-10	1.18E-09	1.07E-10	1.57E-09	2.35E-10	8.70E-10	7.65E-11	1.18E-09	2.66E-11	1.52E-10	1.82E-11	1.97E-10	2.42E-11	7.98E-11	5.50E-12	1.09E-10
9595	471080.07	3820383.74	2.83E-10	1.19E-09	1.07E-10	1.58E-09	2.36E-10	8.74E-10	7.69E-11	1.19E-09	2.67E-11	1.53E-10	1.83E-11	1.98E-10	2.43E-11	8.01E-11	5.52E-12	1.10E-10
9596	471071.18	3820387.29	2.84E-10	1.19E-09	1.08E-10	1.59E-09	2.37E-10	8.78E-10	7.72E-11	1.19E-09	2.69E-11	1.54E-10	1.83E-11	1.99E-10	2.44E-11	8.05E-11	5.55E-12	1.10E-10

9597	471062.28	3820390.84	2.86E-10	1.20E-09	1.08E-10	1.59E-09	2.38E-10	8.82E-10	7.76E-11	1.20E-09	2.70E-11	1.54E-10	1.84E-11	2.00E-10	2.45E-11	8.09E-11	5.58E-12	1.11E-10
9598	471053.38	3820394.4	2.87E-10	1.21E-09	1.09E-10	1.60E-09	2.39E-10	8.86E-10	7.79E-11	1.20E-09	2.71E-11	1.55E-10	1.85E-11	2.01E-10	2.46E-11	8.13E-11	5.60E-12	1.11E-10
9599	471044.49	3820397.95	2.88E-10	1.21E-09	1.09E-10	1.61E-09	2.40E-10	8.90E-10	7.83E-11	1.21E-09	2.72E-11	1.56E-10	1.86E-11	2.02E-10	2.48E-11	8.16E-11	5.63E-12	1.12E-10
9600	471035.59	3820401.51	2.9E-10	1.22E-09	1.10E-10	1.62E-09	2.41E-10	8.94E-10	7.86E-11	1.21E-09	2.74E-11	1.57E-10	1.87E-11	2.03E-10	2.49E-11	8.20E-11	5.65E-12	1.13E-10
9601	471026.7	3820405.06	2.91E-10	1.22E-09	1.10E-10	1.62E-09	2.42E-10	8.98E-10	7.90E-11	1.22E-09	2.75E-11	1.57E-10	1.88E-11	2.04E-10	2.50E-11	8.23E-11	5.68E-12	1.13E-10
9602	471017.8	3820408.61	2.92E-10	1.23E-09	1.11E-10	1.63E-09	2.43E-10	9.02E-10	7.93E-11	1.22E-09	2.76E-11	1.58E-10	1.88E-11	2.04E-10	2.51E-11	8.27E-11	5.70E-12	1.13E-10
9603	471008.91	3820412.17	2.94E-10	1.23E-09	1.11E-10	1.64E-09	2.44E-10	9.06E-10	7.97E-11	1.23E-09	2.77E-11	1.59E-10	1.89E-11	2.05E-10	2.52E-11	8.31E-11	5.73E-12	1.14E-10
9604	471000.01	3820415.72	2.95E-10	1.24E-09	1.12E-10	1.64E-09	2.46E-10	9.10E-10	8.00E-11	1.24E-09	2.78E-11	1.59E-10	1.90E-11	2.06E-10	2.53E-11	8.35E-11	5.75E-12	1.15E-10
9605	470991.12	3820419.28	2.96E-10	1.24E-09	1.12E-10	1.65E-09	2.47E-10	9.14E-10	8.04E-11	1.24E-09	2.80E-11	1.60E-10	1.91E-11	2.07E-10	2.54E-11	8.38E-11	5.78E-12	1.15E-10
9606	470964.43	3820429.94	3E-10	1.26E-09	1.14E-10	1.68E-09	2.50E-10	9.27E-10	8.15E-11	1.26E-09	2.84E-11	1.62E-10	1.94E-11	2.10E-10	2.58E-11	8.50E-11	5.86E-12	1.17E-10
9607	470955.54	3820433.49	3.02E-10	1.27E-09	1.14E-10	1.68E-09	2.52E-10	9.32E-10	8.20E-11	1.27E-09	2.85E-11	1.63E-10	1.95E-11	2.11E-10	2.59E-11	8.55E-11	5.89E-12	1.17E-10
9608	470946.64	3820437.05	3.03E-10	1.27E-09	1.15E-10	1.69E-09	2.53E-10	9.36E-10	8.24E-11	1.27E-09	2.87E-11	1.64E-10	1.96E-11	2.12E-10	2.61E-11	8.59E-11	5.92E-12	1.18E-10
9609	470937.75	3820440.6	3.05E-10	1.28E-09	1.15E-10	1.70E-09	2.54E-10	9.41E-10	8.28E-11	1.28E-09	2.88E-11	1.65E-10	1.97E-11	2.13E-10	2.62E-11	8.63E-11	5.95E-12	1.18E-10
9610	470928.85	3820444.15	3.07E-10	1.29E-09	1.16E-10	1.71E-09	2.55E-10	9.46E-10	8.32E-11	1.28E-09	2.90E-11	1.66E-10	1.98E-11	2.14E-10	2.63E-11	8.68E-11	5.98E-12	1.19E-10
9611	470919.96	3820447.71	3.08E-10	1.29E-09	1.17E-10	1.72E-09	2.57E-10	9.51E-10	8.37E-11	1.29E-09	2.91E-11	1.67E-10	1.99E-11	2.16E-10	2.65E-11	8.73E-11	6.02E-12	1.20E-10
9612	470911.06	3820451.26	3.1E-10	1.30E-09	1.17E-10	1.73E-09	2.58E-10	9.57E-10	8.42E-11	1.30E-09	2.93E-11	1.68E-10	2.00E-11	2.17E-10	2.66E-11	8.78E-11	6.05E-12	1.20E-10
9613	470902.17	3820454.82	3.12E-10	1.31E-09	1.18E-10	1.74E-09	2.60E-10	9.63E-10	8.47E-11	1.31E-09	2.95E-11	1.69E-10	2.01E-11	2.18E-10	2.68E-11	8.83E-11	6.09E-12	1.21E-10
9614	470893.27	3820458.37	3.14E-10	1.32E-09	1.19E-10	1.75E-09	2.61E-10	9.69E-10	8.52E-11	1.32E-09	2.96E-11	1.70E-10	2.02E-11	2.20E-10	2.69E-11	8.89E-11	6.12E-12	1.22E-10
9615	470822.11	3820486.8	3.33E-10	1.40E-09	1.26E-10	1.86E-09	2.78E-10	1.03E-09	9.05E-11	1.40E-09	3.15E-11	1.80E-10	2.15E-11	2.33E-10	2.86E-11	9.43E-11	6.50E-12	1.29E-10
9616	470813.21	3820490.36	3.36E-10	1.41E-09	1.27E-10	1.88E-09	2.80E-10	1.04E-09	9.13E-11	1.41E-09	3.17E-11	1.82E-10	2.17E-11	2.35E-10	2.89E-11	9.52E-11	6.56E-12	1.31E-10
9617	470804.32	3820493.91	3.39E-10	1.42E-09	1.28E-10	1.89E-09	2.83E-10	1.05E-09	9.21E-11	1.42E-09	3.20E-11	1.83E-10	2.19E-11	2.37E-10	2.91E-11	9.60E-11	6.62E-12	1.32E-10
9618	470795.42	3820497.46	3.42E-10	1.44E-09	1.30E-10	1.91E-09	2.85E-10	1.06E-09	9.30E-11	1.43E-09	3.23E-11	1.85E-10	2.21E-11	2.40E-10	2.94E-11	9.69E-11	6.68E-12	1.33E-10
9619	470786.53	3820501.02	3.46E-10	1.45E-09	1.31E-10	1.93E-09	2.88E-10	1.07E-09	9.38E-11	1.45E-09	3.26E-11	1.87E-10	2.23E-11	2.42E-10	2.97E-11	9.78E-11	6.74E-12	1.34E-10
9620	470777.63	3820504.57	3.49E-10	1.46E-09	1.32E-10	1.95E-09	2.90E-10	1.08E-09	9.47E-11	1.46E-09	3.29E-11	1.89E-10	2.25E-11	2.44E-10	2.99E-11	9.87E-11	6.80E-12	1.35E-10
9621	470768.74	3820508.13	3.52E-10	1.48E-09	1.33E-10	1.96E-09	2.93E-10	1.09E-09	9.56E-11	1.48E-09	3.32E-11	1.90E-10	2.27E-11	2.46E-10	3.02E-11	9.96E-11	6.87E-12	1.37E-10
9622	470759.84	3820511.68	3.55E-10	1.49E-09	1.34E-10	1.98E-09	2.96E-10	1.10E-09	9.65E-11	1.49E-09	3.36E-11	1.92E-10	2.29E-11	2.49E-10	3.05E-11	1.01E-10	6.93E-12	1.38E-10
9623	470750.95	3820515.24	3.59E-10	1.51E-09	1.36E-10	2.00E-09	2.99E-10	1.11E-09	9.74E-11	1.50E-09	3.39E-11	1.94E-10	2.31E-11	2.51E-10	3.08E-11	1.02E-10	7.00E-12	1.39E-10
9624	470742.05	3820518.79	3.62E-10	1.52E-09	1.37E-10	2.02E-09	3.02E-10	1.12E-09	9.84E-11	1.52E-09	3.42E-11	1.96E-10	2.34E-11	2.53E-10	3.11E-11	1.03E-10	7.07E-12	1.41E-10
9625	470733.16	3820522.34	3.66E-10	1.54E-09	1.38E-10	2.04E-09	3.05E-10	1.13E-09	9.93E-11	1.53E-09	3.46E-11	1.98E-10	2.36E-11	2.56E-10	3.14E-11	1.04E-10	7.14E-12	1.42E-10
9626	470724.26	3820525.9	3.7E-10	1.55E-09	1.40E-10	2.06E-09	3.08E-10	1.14E-09	1.00E-10	1.55E-09	3.49E-11	2.00E-10	2.39E-11	2.59E-10	3.17E-11	1.05E-10	7.22E-12	1.44E-10
9627	470715.37	3820529.45	3.74E-10	1.57E-09	1.41E-10	2.08E-09	3.11E-10	1.15E-09	1.01E-10	1.57E-09	3.53E-11	2.02E-10	2.41E-11	2.61E-10	3.21E-11	1.06E-10	7.29E-12	1.45E-10
9628	470706.47	3820533.01	3.77E-10	1.59E-09	1.43E-10	2.11E-09	3.14E-10	1.16E-09	1.02E-10	1.58E-09	3.56E-11	2.04E-10	2.43E-11	2.64E-10	3.24E-11	1.07E-10	7.37E-12	1.47E-10
9629	470697.58	3820536.56	3.81E-10	1.60E-09	1.44E-10	2.13E-09	3.18E-10	1.18E-09	1.04E-10	1.60E-09	3.60E-11	2.06E-10	2.46E-11	2.67E-10	3.27E-11	1.08E-10	7.44E-12	1.48E-10
9630	470688.68	3820540.11	3.85E-10	1.62E-09	1.46E-10	2.15E-09	3.21E-10	1.19E-09	1.05E-10	1.62E-09	3.64E-11	2.08E-10	2.49E-11	2.70E-10	3.31E-11	1.09E-10	7.52E-12	1.50E-10
9631	470679.79	3820543.67	3.89E-10	1.64E-09	1.47E-10	2.17E-09	3.24E-10	1.20E-09	1.06E-10	1.63E-09	3.68E-11	2.11E-10	2.51E-11	2.72E-10	3.34E-11	1.10E-10	7.60E-12	1.51E-10
9632	470670.89	3820547.22	3.93E-10	1.65E-09	1.49E-10	2.19E-09	3.27E-10	1.21E-09	1.07E-10	1.65E-09	3.71E-11	2.13E-10	2.54E-11	2.75E-10	3.38E-11	1.11E-10	7.67E-12	1.53E-10
9633	470662	3820550.78	3.97E-10	1.67E-09	1.50E-10	2.21E-09	3.30E-10	1.22E-09	1.08E-10	1.66E-09	3.75E-11	2.15E-10	2.56E-11	2.78E-10	3.41E-11	1.12E-10	7.74E-12	1.54E-10
9634	470653.1	3820554.33	4E-10	1.68E-09	1.51E-10	2.23E-09	3.33E-10	1.24E-09	1.09E-10	1.68E-09	3.78E-11	2.16E-10	2.58E-11	2.80E-10	3.44E-11	1.13E-10	7.81E-12	1.55E-10
9635	470644.2	3820557.88	4.04E-10	1.70E-09	1.53E-10	2.25E-09	3.36E-10	1.25E-09	1.10E-10	1.69E-09	3.81E-11	2.18E-10	2.61E-11	2.83E-10	3.47E-11	1.14E-10	7.88E-12	1.57E-10
9636	470635.31	3820561.44	4.07E-10	1.71E-09	1.54E-10	2.27E-09	3.39E-10	1.26E-09	1.11E-10	1.71E-09	3.85E-11	2.20E-10	2.63E-11	2.85E-10	3.50E-11	1.15E-10	7.95E-12	1.58E-10
9637	470626.41	3820564.99	4.11E-10	1.73E-09	1.55E-10	2.29E-09	3.42E-10	1.27E-09	1.12E-10	1.72E-09	3.88E-11	2.22E-10	2.65E-11	2.87E-10	3.53E-11	1.16E-10	8.02E-12	1.60E-10
9638	470617.52	3820568.55	4.14E-10	1.74E-09	1.57E-10	2.31E-09	3.45E-10	1.28E-09	1.12E-10	1.74E-09	3.91E-11	2.24E-10	2.67E-11	2.90E-10	3.56E-11	1.17E-10	8.08E-12	1.61E-10
9639	470608.62	3820572.1	4.17E-10	1.75E-09	1.58E-10	2.33E-09	3.48E-10	1.29E-09	1.13E-10	1.75E-09	3.94E-11	2.26E-10	2.69E-11	2.92E-10	3.58E-11	1.18E-10	8.14E-12	1.62E-10
9640	470599.73	3820575.65	4.2E-10	1.77E-09	1.59E-10	2.34E-09	3.50E-10	1.30E-09	1.14E-10	1.76E-09	3.97E-11	2.27E-10	2.71E-11	2.94E-10	3.61E-11	1.19E-10	8.20E-12	1.63E-10
9641	470590.83	3820579.21	4.23E-10	1.78E-09	1.60E-10	2.36E-09	3.52E-10	1.31E-09	1.15E-10	1.77E-09	4.00E-11	2.29E-10	2.73E-11	2.96E-10	3.63E-11	1.20E-10	8.26E-12	1.64E-10
9642	470581.94	3820582.76	4.26E-10	1.79E-09	1.61E-10	2.37E-09	3.54E-10	1.31E-09	1.16E-10	1.78E-09	4.02E-11	2.30E-10	2.74E-11	2.98E-10	3.65E-11	1.20E-10	8.30E-12	1.65E-10
9643	470573.04	3820586.32	4.28E-10	1.80E-09	1.62E-10	2.39E-09	3.56E-10	1.32E-09	1.16E-10	1.79E-09	4.04E-11	2.31E-10	2.76E-11	2.99E-10	3.67E-11	1.21E-10	8.35E-12	1.66E-10
9644	470564.15	3820589.87	4.3E-10	1.81E-09	1.63E-10	2.40E-09	3.58E-10	1.33E-09	1.17E-10	1.80E-09	4.06E-11	2.33E-10	2.77E-11	3.01E-10	3.69E-11	1.22E-10	8.39E-12	1.67E-10
9645	470555.25	3820593.42	4.32E-10	1.82E-09	1.64E-10	2.41E-09	3.60E-10	1.33E-09	1.17E-10	1.81E-09	4.08E-11	2.34E-10	2.79E-11	3.03E-10	3.71E-11	1.22E-10	8.44E-12	1.68E-10
9646	470546.36	3820596.98	4.35E-10	1.83E-09	1.64E-10	2.42E-09	3.62E-10	1.34E-09	1.18E-10	1.82E-09	4.10E-11	2.35E-10	2.80E-11	3.04E-10	3.73E-11	1.23E-10	8.48E-12	1.69E-10

9647	470537.46	3820600.53	4.37E-10	1.83E-09	1.65E-10	2.44E-09	3.64E-10	1.35E-09	1.19E-10	1.83E-09	4.12E-11	2.36E-10	2.82E-11	3.05E-10	3.75E-11	1.24E-10	8.52E-12	1.70E-10
9648	470528.57	3820604.09	4.38E-10	1.84E-09	1.66E-10	2.45E-09	3.65E-10	1.35E-09	1.19E-10	1.84E-09	4.14E-11	2.37E-10	2.83E-11	3.07E-10	3.76E-11	1.24E-10	8.55E-12	1.70E-10
9649	470519.67	3820607.64	4.4E-10	1.85E-09	1.67E-10	2.46E-09	3.67E-10	1.36E-09	1.20E-10	1.84E-09	4.16E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.25E-10	8.59E-12	1.71E-10
9650	470510.78	3820611.19	4.42E-10	1.86E-09	1.67E-10	2.47E-09	3.68E-10	1.36E-09	1.20E-10	1.85E-09	4.17E-11	2.39E-10	2.85E-11	3.09E-10	3.80E-11	1.25E-10	8.63E-12	1.72E-10
9651	470501.88	3820614.75	4.44E-10	1.86E-09	1.68E-10	2.47E-09	3.70E-10	1.37E-09	1.20E-10	1.86E-09	4.19E-11	2.40E-10	2.86E-11	3.10E-10	3.81E-11	1.26E-10	8.66E-12	1.72E-10
9652	470492.99	3820618.3	4.45E-10	1.87E-09	1.68E-10	2.48E-09	3.71E-10	1.37E-09	1.21E-10	1.86E-09	4.20E-11	2.41E-10	2.87E-11	3.11E-10	3.82E-11	1.26E-10	8.68E-12	1.73E-10
9653	470484.09	3820621.86	4.46E-10	1.87E-09	1.69E-10	2.49E-09	3.72E-10	1.38E-09	1.21E-10	1.87E-09	4.21E-11	2.41E-10	2.88E-11	3.12E-10	3.83E-11	1.26E-10	8.71E-12	1.73E-10
9654	470475.2	3820625.41	4.47E-10	1.88E-09	1.69E-10	2.50E-09	3.73E-10	1.38E-09	1.21E-10	1.87E-09	4.22E-11	2.42E-10	2.89E-11	3.13E-10	3.84E-11	1.27E-10	8.73E-12	1.74E-10
9655	470466.3	3820628.96	4.48E-10	1.88E-09	1.70E-10	2.50E-09	3.74E-10	1.38E-09	1.22E-10	1.88E-09	4.23E-11	2.42E-10	2.89E-11	3.14E-10	3.85E-11	1.27E-10	8.75E-12	1.74E-10
9656	470457.41	3820632.52	4.5E-10	1.89E-09	1.70E-10	2.51E-09	3.75E-10	1.39E-09	1.22E-10	1.88E-09	4.25E-11	2.43E-10	2.90E-11	3.15E-10	3.86E-11	1.27E-10	8.78E-12	1.75E-10
9657	470448.51	3820636.07	4.51E-10	1.89E-09	1.71E-10	2.52E-09	3.76E-10	1.39E-09	1.22E-10	1.89E-09	4.26E-11	2.44E-10	2.91E-11	3.16E-10	3.87E-11	1.28E-10	8.80E-12	1.75E-10
9658	470439.61	3820639.63	4.52E-10	1.90E-09	1.71E-10	2.52E-09	3.77E-10	1.40E-09	1.23E-10	1.89E-09	4.27E-11	2.44E-10	2.92E-11	3.16E-10	3.88E-11	1.28E-10	8.82E-12	1.76E-10
9659	470430.72	3820643.18	4.53E-10	1.90E-09	1.71E-10	2.53E-09	3.77E-10	1.40E-09	1.23E-10	1.90E-09	4.28E-11	2.45E-10	2.92E-11	3.17E-10	3.89E-11	1.28E-10	8.84E-12	1.76E-10
9660	470421.82	3820646.74	4.54E-10	1.90E-09	1.72E-10	2.53E-09	3.78E-10	1.40E-09	1.23E-10	1.90E-09	4.28E-11	2.45E-10	2.93E-11	3.17E-10	3.89E-11	1.28E-10	8.85E-12	1.76E-10
9661	470412.93	3820650.29	4.54E-10	1.91E-09	1.72E-10	2.53E-09	3.78E-10	1.40E-09	1.23E-10	1.90E-09	4.29E-11	2.46E-10	2.93E-11	3.18E-10	3.90E-11	1.29E-10	8.86E-12	1.76E-10
9662	470404.03	3820653.84	4.55E-10	1.91E-09	1.72E-10	2.54E-09	3.79E-10	1.40E-09	1.23E-10	1.91E-09	4.30E-11	2.46E-10	2.93E-11	3.18E-10	3.91E-11	1.29E-10	8.88E-12	1.77E-10
9663	470395.14	3820657.4	4.56E-10	1.91E-09	1.72E-10	2.54E-09	3.80E-10	1.41E-09	1.24E-10	1.91E-09	4.30E-11	2.46E-10	2.94E-11	3.19E-10	3.91E-11	1.29E-10	8.89E-12	1.77E-10
9664	470386.24	3820660.95	4.56E-10	1.92E-09	1.73E-10	2.55E-09	3.80E-10	1.41E-09	1.24E-10	1.91E-09	4.31E-11	2.47E-10	2.94E-11	3.19E-10	3.92E-11	1.29E-10	8.90E-12	1.77E-10
9665	470377.35	3820664.51	4.57E-10	1.92E-09	1.73E-10	2.55E-09	3.81E-10	1.41E-09	1.24E-10	1.91E-09	4.32E-11	2.47E-10	2.95E-11	3.20E-10	3.92E-11	1.29E-10	8.92E-12	1.78E-10
9666	470368.45	3820668.06	4.58E-10	1.92E-09	1.73E-10	2.55E-09	3.81E-10	1.41E-09	1.24E-10	1.92E-09	4.32E-11	2.47E-10	2.95E-11	3.20E-10	3.93E-11	1.30E-10	8.93E-12	1.78E-10
9667	470359.56	3820671.61	4.59E-10	1.93E-09	1.73E-10	2.56E-09	3.82E-10	1.42E-09	1.24E-10	1.92E-09	4.33E-11	2.48E-10	2.96E-11	3.21E-10	3.94E-11	1.30E-10	8.95E-12	1.78E-10
9668	470350.66	3820675.17	4.59E-10	1.93E-09	1.74E-10	2.56E-09	3.83E-10	1.42E-09	1.25E-10	1.93E-09	4.34E-11	2.48E-10	2.96E-11	3.21E-10	3.94E-11	1.30E-10	8.97E-12	1.78E-10
9669	470341.77	3820678.72	4.6E-10	1.93E-09	1.74E-10	2.57E-09	3.84E-10	1.42E-09	1.25E-10	1.93E-09	4.35E-11	2.49E-10	2.97E-11	3.22E-10	3.95E-11	1.30E-10	8.98E-12	1.79E-10
9670	470332.87	3820682.28	4.62E-10	1.94E-09	1.75E-10	2.57E-09	3.84E-10	1.42E-09	1.25E-10	1.93E-09	4.36E-11	2.50E-10	2.98E-11	3.23E-10	3.96E-11	1.31E-10	9.01E-12	1.79E-10
9671	470323.98	3820685.83	4.63E-10	1.94E-09	1.75E-10	2.58E-09	3.86E-10	1.43E-09	1.26E-10	1.94E-09	4.37E-11	2.50E-10	2.99E-11	3.24E-10	3.97E-11	1.31E-10	9.03E-12	1.80E-10
9672	470315.08	3820689.38	4.64E-10	1.95E-09	1.76E-10	2.59E-09	3.87E-10	1.43E-09	1.26E-10	1.94E-09	4.38E-11	2.51E-10	2.99E-11	3.25E-10	3.98E-11	1.31E-10	9.06E-12	1.80E-10
9673	470306.19	3820692.94	4.65E-10	1.95E-09	1.76E-10	2.60E-09	3.88E-10	1.44E-09	1.26E-10	1.95E-09	4.39E-11	2.52E-10	3.00E-11	3.26E-10	4.00E-11	1.32E-10	9.08E-12	1.81E-10
9674	470297.29	3820696.49	4.67E-10	1.96E-09	1.77E-10	2.60E-09	3.89E-10	1.44E-09	1.27E-10	1.96E-09	4.41E-11	2.52E-10	3.01E-11	3.27E-10	4.01E-11	1.32E-10	9.11E-12	1.81E-10
9675	470288.4	3820700.05	4.68E-10	1.97E-09	1.77E-10	2.61E-09	3.90E-10	1.44E-09	1.27E-10	1.96E-09	4.42E-11	2.53E-10	3.02E-11	3.27E-10	4.02E-11	1.33E-10	9.13E-12	1.82E-10
9676	470279.5	3820703.6	4.7E-10	1.97E-09	1.78E-10	2.62E-09	3.91E-10	1.45E-09	1.27E-10	1.97E-09	4.44E-11	2.54E-10	3.03E-11	3.29E-10	4.03E-11	1.33E-10	9.16E-12	1.82E-10
9677	470270.61	3820707.15	4.71E-10	1.98E-09	1.78E-10	2.63E-09	3.92E-10	1.45E-09	1.28E-10	1.97E-09	4.45E-11	2.55E-10	3.04E-11	3.30E-10	4.05E-11	1.33E-10	9.19E-12	1.83E-10
9678	471539.2	3819461.63	2.44E-10	1.03E-09	9.24E-11	1.36E-09	2.04E-10	7.54E-10	6.64E-11	1.02E-09	2.31E-11	1.32E-10	1.58E-11	1.71E-10	2.10E-11	6.92E-11	4.77E-12	9.49E-11
9679	471539.29	3819451.99	2.44E-10	1.02E-09	9.22E-11	1.36E-09	2.03E-10	7.52E-10	6.62E-11	1.02E-09	2.30E-11	1.32E-10	1.57E-11	1.71E-10	2.09E-11	6.90E-11	4.76E-12	9.47E-11
9680	471539.37	3819442.34	2.43E-10	1.02E-09	9.19E-11	1.36E-09	2.02E-10	7.50E-10	6.60E-11	1.02E-09	2.30E-11	1.31E-10	1.57E-11	1.70E-10	2.09E-11	6.88E-11	4.74E-12	9.44E-11
9681	471539.45	3819432.69	2.42E-10	1.02E-09	9.16E-11	1.35E-09	2.02E-10	7.48E-10	6.58E-11	1.02E-09	2.29E-11	1.31E-10	1.56E-11	1.70E-10	2.08E-11	6.86E-11	4.73E-12	9.41E-11
9682	471539.53	3819423.04	2.41E-10	1.01E-09	9.13E-11	1.35E-09	2.01E-10	7.45E-10	6.55E-11	1.01E-09	2.28E-11	1.31E-10	1.56E-11	1.69E-10	2.07E-11	6.83E-11	4.71E-12	9.38E-11
9683	471539.62	3819413.39	2.41E-10	1.01E-09	9.10E-11	1.34E-09	2.00E-10	7.42E-10	6.53E-11	1.01E-09	2.27E-11	1.30E-10	1.55E-11	1.68E-10	2.06E-11	6.81E-11	4.69E-12	9.34E-11
9684	471539.7	3819403.74	2.4E-10	1.01E-09	9.06E-11	1.34E-09	2.00E-10	7.39E-10	6.50E-11	1.00E-09	2.26E-11	1.29E-10	1.54E-11	1.68E-10	2.06E-11	6.78E-11	4.67E-12	9.30E-11
9685	471539.78	3819394.1	2.38E-10	1.00E-09	9.02E-11	1.33E-09	1.99E-10	7.36E-10	6.47E-11	9.99E-10	2.25E-11	1.29E-10	1.54E-11	1.67E-10	2.05E-11	6.75E-11	4.65E-12	9.26E-11
9686	471539.87	3819384.45	2.37E-10	9.96E-10	8.97E-11	1.32E-09	1.98E-10	7.32E-10	6.44E-11	9.94E-10	2.24E-11	1.28E-10	1.53E-11	1.66E-10	2.04E-11	6.72E-11	4.63E-12	9.22E-11
9687	471539.95	3819374.8	2.36E-10	9.91E-10	8.92E-11	1.32E-09	1.97E-10	7.28E-10	6.41E-11	9.89E-10	2.23E-11	1.28E-10	1.52E-11	1.65E-10	2.03E-11	6.68E-11	4.60E-12	9.17E-11
9688	471540.03	3819365.15	2.35E-10	9.86E-10	8.88E-11	1.31E-09	1.95E-10	7.24E-10	6.37E-11	9.83E-10	2.22E-11	1.27E-10	1.51E-11	1.64E-10	2.01E-11	6.64E-11	4.58E-12	9.12E-11
9689	471540.11	3819355.5	2.33E-10	9.80E-10	8.82E-11	1.30E-09	1.94E-10	7.20E-10	6.33E-11	9.77E-10	2.20E-11	1.26E-10	1.50E-11	1.63E-10	2.00E-11	6.60E-11	4.55E-12	9.06E-11
9690	471540.2	3819345.86	2.32E-10	9.73E-10	8.76E-11	1.29E-09	1.93E-10	7.15E-10	6.29E-11	9.71E-10	2.19E-11	1.25E-10	1.49E-11	1.62E-10	1.99E-11	6.56E-11	4.52E-12	9.00E-11
9691	471540.28	3819336.21	2.3E-10	9.67E-10	8.71E-11	1.28E-09	1.92E-10	7.10E-10	6.25E-11	9.65E-10	2.17E-11	1.24E-10	1.48E-11	1.61E-10	1.98E-11	6.52E-11	4.49E-12	8.94E-11
9692	471540.36	3819326.56	2.29E-10	9.60E-10	8.64E-11	1.27E-09	1.90E-10	7.05E-10	6.20E-11	9.58E-10	2.16E-11	1.24E-10	1.47E-11	1.60E-10	1.96E-11	6.47E-11	4.46E-12	8.88E-11
9693	471540.44	3819316.91	2.27E-10	9.52E-10	8.58E-11	1.26E-09	1.89E-10	7.00E-10	6.16E-11	9.50E-10	2.14E-11	1.23E-10	1.46E-11	1.59E-10	1.95E-11	6.42E-11	4.43E-12	8.81E-11
9694	471540.53	3819307.26	2.25E-10	9.45E-10	8.51E-11	1.25E-09	1.87E-10	6.94E-10	6.11E-11	9.43E-10	2.12E-11	1.22E-10	1.45E-11	1.57E-10	1.93E-11	6.37E-11	4.39E-12	8.74E-11
9695	471540.61	3819297.61	2.23E-10	9.37E-10	8.44E-11	1.24E-09	1.86E-10	6.88E-10	6.06E-11	9.35E-10	2.11E-11	1.21E-10	1.44E-11	1.56E-10	1.91E-11	6.31E-11	4.35E-12	8.66E-11
9696	471540.69	3819287.97	2.21E-10	9.28E-10	8.36E-11	1.23E-09	1.84E-10	6.82E-10	6.00E-11	9.26E-10	2.09E-11	1.20E-10	1.43E-11	1.55E-10	1.90E-11	6.26E-11	4.31E-12	8.59E-11

9697	471540.78	3819278.32	2.19E-10	9.20E-10	8.29E-11	1.22E-09	1.82E-10	6.76E-10	5.95E-11	9.18E-10	2.07E-11	1.18E-10	1.41E-11	1.53E-10	1.88E-11	6.20E-11	4.27E-12	8.51E-11
9698	471540.86	3819268.67	2.17E-10	9.11E-10	8.21E-11	1.21E-09	1.81E-10	6.70E-10	5.89E-11	9.09E-10	2.05E-11	1.17E-10	1.40E-11	1.52E-10	1.86E-11	6.14E-11	4.23E-12	8.43E-11
9699	471540.94	3819259.02	2.15E-10	9.02E-10	8.12E-11	1.20E-09	1.79E-10	6.63E-10	5.83E-11	9.00E-10	2.03E-11	1.16E-10	1.39E-11	1.50E-10	1.84E-11	6.08E-11	4.19E-12	8.34E-11
9700	471615.43	3819471.17	2.19E-10	9.18E-10	8.26E-11	1.22E-09	1.82E-10	6.74E-10	5.93E-11	9.16E-10	2.06E-11	1.18E-10	1.41E-11	1.53E-10	1.88E-11	6.19E-11	4.26E-12	8.49E-11
9701	471611.67	3819480.01	2.2E-10	9.24E-10	8.33E-11	1.23E-09	1.83E-10	6.79E-10	5.98E-11	9.22E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.23E-11	4.30E-12	8.55E-11
9702	471607.9	3819488.86	2.22E-10	9.31E-10	8.38E-11	1.24E-09	1.85E-10	6.84E-10	6.02E-11	9.29E-10	2.09E-11	1.20E-10	1.43E-11	1.55E-10	1.90E-11	6.28E-11	4.33E-12	8.61E-11
9703	471604.13	3819497.71	2.23E-10	9.38E-10	8.44E-11	1.25E-09	1.86E-10	6.89E-10	6.06E-11	9.35E-10	2.11E-11	1.21E-10	1.44E-11	1.56E-10	1.92E-11	6.32E-11	4.36E-12	8.67E-11
9704	471600.36	3819506.55	2.25E-10	9.44E-10	8.50E-11	1.25E-09	1.87E-10	6.94E-10	6.10E-11	9.42E-10	2.12E-11	1.22E-10	1.45E-11	1.57E-10	1.93E-11	6.36E-11	4.39E-12	8.73E-11
9705	471596.59	3819515.4	2.26E-10	9.50E-10	8.56E-11	1.26E-09	1.88E-10	6.98E-10	6.14E-11	9.48E-10	2.14E-11	1.22E-10	1.46E-11	1.58E-10	1.94E-11	6.40E-11	4.41E-12	8.79E-11
9706	471592.83	3819524.25	2.28E-10	9.56E-10	8.61E-11	1.27E-09	1.90E-10	7.03E-10	6.18E-11	9.54E-10	2.15E-11	1.23E-10	1.47E-11	1.59E-10	1.95E-11	6.45E-11	4.44E-12	8.85E-11
9707	471589.06	3819533.1	2.29E-10	9.62E-10	8.67E-11	1.28E-09	1.91E-10	7.07E-10	6.22E-11	9.60E-10	2.16E-11	1.24E-10	1.48E-11	1.60E-10	1.97E-11	6.49E-11	4.47E-12	8.90E-11
9708	471577.76	3819559.64	2.33E-10	9.80E-10	8.83E-11	1.30E-09	1.94E-10	7.20E-10	6.34E-11	9.78E-10	2.20E-11	1.26E-10	1.51E-11	1.63E-10	2.00E-11	6.61E-11	4.55E-12	9.06E-11
9709	471573.99	3819568.48	2.35E-10	9.86E-10	8.88E-11	1.31E-09	1.96E-10	7.24E-10	6.37E-11	9.84E-10	2.22E-11	1.27E-10	1.51E-11	1.64E-10	2.02E-11	6.64E-11	4.58E-12	9.12E-11
9710	471570.22	3819577.33	2.36E-10	9.92E-10	8.93E-11	1.32E-09	1.97E-10	7.29E-10	6.41E-11	9.89E-10	2.23E-11	1.28E-10	1.52E-11	1.65E-10	2.03E-11	6.68E-11	4.61E-12	9.17E-11
9711	471566.45	3819586.18	2.37E-10	9.97E-10	8.98E-11	1.32E-09	1.98E-10	7.33E-10	6.45E-11	9.95E-10	2.24E-11	1.28E-10	1.53E-11	1.66E-10	2.04E-11	6.72E-11	4.63E-12	9.22E-11
9712	471562.69	3819595.02	2.39E-10	1.00E-09	9.03E-11	1.33E-09	1.99E-10	7.37E-10	6.48E-11	1.00E-09	2.25E-11	1.29E-10	1.54E-11	1.67E-10	2.05E-11	6.76E-11	4.66E-12	9.27E-11
9713	471558.92	3819603.87	2.4E-10	1.01E-09	9.08E-11	1.34E-09	2.00E-10	7.41E-10	6.52E-11	1.01E-09	2.27E-11	1.30E-10	1.55E-11	1.68E-10	2.06E-11	6.80E-11	4.69E-12	9.33E-11
9714	471555.15	3819612.72	2.41E-10	1.01E-09	9.13E-11	1.35E-09	2.01E-10	7.45E-10	6.55E-11	1.01E-09	2.28E-11	1.30E-10	1.56E-11	1.69E-10	2.07E-11	6.83E-11	4.71E-12	9.38E-11
9715	471551.38	3819621.57	2.43E-10	1.02E-09	9.18E-11	1.35E-09	2.02E-10	7.49E-10	6.59E-11	1.02E-09	2.29E-11	1.31E-10	1.57E-11	1.70E-10	2.08E-11	6.87E-11	4.74E-12	9.43E-11
9716	471547.61	3819630.41	2.44E-10	1.02E-09	9.23E-11	1.36E-09	2.03E-10	7.53E-10	6.62E-11	1.02E-09	2.30E-11	1.32E-10	1.57E-11	1.71E-10	2.09E-11	6.91E-11	4.76E-12	9.48E-11
9717	471543.85	3819639.26	2.45E-10	1.03E-09	9.27E-11	1.37E-09	2.04E-10	7.57E-10	6.66E-11	1.03E-09	2.32E-11	1.33E-10	1.58E-11	1.72E-10	2.11E-11	6.94E-11	4.79E-12	9.53E-11
9718	471540.08	3819648.11	2.46E-10	1.04E-09	9.32E-11	1.37E-09	2.05E-10	7.61E-10	6.69E-11	1.03E-09	2.33E-11	1.33E-10	1.59E-11	1.72E-10	2.12E-11	6.98E-11	4.81E-12	9.57E-11
9719	471536.31	3819656.95	2.48E-10	1.04E-09	9.37E-11	1.38E-09	2.06E-10	7.64E-10	6.72E-11	1.04E-09	2.34E-11	1.34E-10	1.60E-11	1.73E-10	2.13E-11	7.01E-11	4.83E-12	9.62E-11
9720	471532.54	3819665.8	2.49E-10	1.05E-09	9.42E-11	1.39E-09	2.07E-10	7.68E-10	6.76E-11	1.04E-09	2.35E-11	1.35E-10	1.61E-11	1.74E-10	2.14E-11	7.05E-11	4.86E-12	9.67E-11
9721	471528.78	3819674.65	2.5E-10	1.05E-09	9.46E-11	1.40E-09	2.08E-10	7.72E-10	6.79E-11	1.05E-09	2.36E-11	1.35E-10	1.61E-11	1.75E-10	2.15E-11	7.08E-11	4.88E-12	9.72E-11
9722	471525.01	3819683.49	2.51E-10	1.06E-09	9.51E-11	1.40E-09	2.09E-10	7.76E-10	6.82E-11	1.05E-09	2.37E-11	1.36E-10	1.62E-11	1.76E-10	2.16E-11	7.12E-11	4.91E-12	9.76E-11
9723	471521.24	3819692.34	2.53E-10	1.06E-09	9.55E-11	1.41E-09	2.10E-10	7.79E-10	6.86E-11	1.06E-09	2.39E-11	1.37E-10	1.63E-11	1.77E-10	2.17E-11	7.15E-11	4.93E-12	9.81E-11
9724	471517.47	3819701.19	2.54E-10	1.07E-09	9.60E-11	1.42E-09	2.11E-10	7.83E-10	6.89E-11	1.06E-09	2.40E-11	1.37E-10	1.64E-11	1.78E-10	2.18E-11	7.18E-11	4.95E-12	9.86E-11
9725	471513.7	3819710.04	2.55E-10	1.07E-09	9.64E-11	1.42E-09	2.12E-10	7.87E-10	6.92E-11	1.07E-09	2.41E-11	1.38E-10	1.64E-11	1.78E-10	2.19E-11	7.22E-11	4.97E-12	9.90E-11
9726	471509.94	3819718.88	2.56E-10	1.08E-09	9.68E-11	1.43E-09	2.13E-10	7.90E-10	6.95E-11	1.07E-09	2.42E-11	1.38E-10	1.65E-11	1.79E-10	2.20E-11	7.25E-11	5.00E-12	9.95E-11
9727	471494.87	3819754.27	2.6E-10	1.09E-09	9.84E-11	1.45E-09	2.17E-10	8.03E-10	7.07E-11	1.09E-09	2.46E-11	1.41E-10	1.68E-11	1.82E-10	2.23E-11	7.37E-11	5.08E-12	1.01E-10
9728	471491.1	3819763.12	2.61E-10	1.10E-09	9.88E-11	1.46E-09	2.18E-10	8.06E-10	7.09E-11	1.09E-09	2.47E-11	1.41E-10	1.69E-11	1.83E-10	2.24E-11	7.40E-11	5.10E-12	1.01E-10
9729	471487.33	3819771.96	2.62E-10	1.10E-09	9.92E-11	1.46E-09	2.18E-10	8.09E-10	7.12E-11	1.10E-09	2.48E-11	1.42E-10	1.69E-11	1.83E-10	2.25E-11	7.42E-11	5.12E-12	1.02E-10
9730	471483.56	3819780.81	2.63E-10	1.11E-09	9.95E-11	1.47E-09	2.19E-10	8.12E-10	7.14E-11	1.10E-09	2.48E-11	1.42E-10	1.70E-11	1.84E-10	2.26E-11	7.45E-11	5.13E-12	1.02E-10
9731	471479.8	3819789.66	2.64E-10	1.11E-09	9.98E-11	1.47E-09	2.20E-10	8.15E-10	7.17E-11	1.11E-09	2.49E-11	1.43E-10	1.70E-11	1.85E-10	2.27E-11	7.47E-11	5.15E-12	1.03E-10
9732	471476.03	3819798.51	2.65E-10	1.11E-09	1.00E-10	1.48E-09	2.21E-10	8.17E-10	7.19E-11	1.11E-09	2.50E-11	1.43E-10	1.71E-11	1.85E-10	2.27E-11	7.50E-11	5.17E-12	1.03E-10
9733	471472.26	3819807.35	2.66E-10	1.12E-09	1.00E-10	1.48E-09	2.21E-10	8.19E-10	7.21E-11	1.11E-09	2.51E-11	1.44E-10	1.71E-11	1.86E-10	2.28E-11	7.52E-11	5.18E-12	1.03E-10
9734	471468.49	3819816.2	2.66E-10	1.12E-09	1.01E-10	1.49E-09	2.22E-10	8.22E-10	7.23E-11	1.12E-09	2.51E-11	1.44E-10	1.72E-11	1.86E-10	2.29E-11	7.54E-11	5.20E-12	1.03E-10
9735	471464.72	3819825.05	2.67E-10	1.12E-09	1.01E-10	1.49E-09	2.22E-10	8.24E-10	7.25E-11	1.12E-09	2.52E-11	1.44E-10	1.72E-11	1.87E-10	2.29E-11	7.56E-11	5.21E-12	1.04E-10
9736	471460.96	3819833.89	2.68E-10	1.12E-09	1.01E-10	1.49E-09	2.23E-10	8.26E-10	7.26E-11	1.12E-09	2.53E-11	1.45E-10	1.73E-11	1.87E-10	2.30E-11	7.57E-11	5.22E-12	1.04E-10
9737	471457.19	3819842.74	2.68E-10	1.13E-09	1.01E-10	1.50E-09	2.23E-10	8.27E-10	7.28E-11	1.12E-09	2.53E-11	1.45E-10	1.73E-11	1.88E-10	2.30E-11	7.59E-11	5.23E-12	1.04E-10
9738	471453.42	3819851.59	2.69E-10	1.13E-09	1.02E-10	1.50E-09	2.24E-10	8.29E-10	7.29E-11	1.13E-09	2.54E-11	1.45E-10	1.73E-11	1.88E-10	2.31E-11	7.60E-11	5.24E-12	1.04E-10
9739	471449.65	3819860.44	2.69E-10	1.13E-09	1.02E-10	1.50E-09	2.24E-10	8.30E-10	7.30E-11	1.13E-09	2.54E-11	1.45E-10	1.74E-11	1.88E-10	2.31E-11	7.62E-11	5.25E-12	1.04E-10
9740	471445.89	3819869.28	2.69E-10	1.13E-09	1.02E-10	1.50E-09	2.24E-10	8.32E-10	7.32E-11	1.13E-09	2.54E-11	1.46E-10	1.74E-11	1.88E-10	2.31E-11	7.63E-11	5.26E-12	1.05E-10
9741	471442.12	3819878.13	2.7E-10	1.13E-09	1.02E-10	1.50E-09	2.25E-10	8.32E-10	7.32E-11	1.13E-09	2.55E-11	1.46E-10	1.74E-11	1.89E-10	2.32E-11	7.64E-11	5.26E-12	1.05E-10
9742	471438.35	3819886.98	2.7E-10	1.13E-09	1.02E-10	1.51E-09	2.25E-10	8.33E-10	7.33E-11	1.13E-09	2.55E-11	1.46E-10	1.74E-11	1.89E-10	2.32E-11	7.64E-11	5.27E-12	1.05E-10
9743	471434.58	3819895.82	2.7E-10	1.14E-09	1.02E-10	1.51E-09	2.25E-10	8.34E-10	7.34E-11	1.13E-09	2.55E-11	1.46E-10	1.74E-11	1.89E-10	2.32E-11	7.65E-11	5.27E-12	1.05E-10
9744	471430.82	3819904.67	2.7E-10	1.14E-09	1.02E-10	1.51E-09	2.25E-10	8.34E-10	7.34E-11	1.13E-09	2.55E-11	1.46E-10	1.74E-11	1.89E-10	2.32E-11	7.65E-11	5.28E-12	1.05E-10
9745	471427.05	3819913.52	2.71E-10	1.14E-09	1.02E-10	1.51E-09	2.25E-10	8.35E-10	7.34E-11	1.13E-09	2.55E-11	1.46E-10	1.74E-11	1.89E-10	2.32E-11	7.66E-11	5.28E-12	1.05E-10
9746	471423.28	3819922.36	2.71E-10	1.14E-09	1.02E-10	1.51E-09	2.25E-10	8.35E-10	7.35E-11	1.13E-09	2.56E-11	1.46E-10	1.75E-11	1.89E-10	2.32E-11	7.66E-11	5.28E-12	1.05E-10

9747	471419.51	3819931.21	2.71E-10	1.14E-09	1.02E-10	1.51E-09	2.25E-10	8.35E-10	7.35E-11	1.13E-09	2.56E-11	1.46E-10	1.75E-11	1.89E-10	2.32E-11	7.66E-11	5.28E-12	1.05E-10
9748	471415.74	3819940.06	2.71E-10	1.14E-09	1.02E-10	1.51E-09	2.25E-10	8.35E-10	7.34E-11	1.13E-09	2.55E-11	1.46E-10	1.74E-11	1.89E-10	2.32E-11	7.66E-11	5.28E-12	1.05E-10
9749	471411.98	3819948.91	2.7E-10	1.14E-09	1.02E-10	1.51E-09	2.25E-10	8.34E-10	7.34E-11	1.13E-09	2.55E-11	1.46E-10	1.74E-11	1.89E-10	2.32E-11	7.65E-11	5.28E-12	1.05E-10
9750	471408.21	3819957.75	2.7E-10	1.14E-09	1.02E-10	1.51E-09	2.25E-10	8.34E-10	7.34E-11	1.13E-09	2.55E-11	1.46E-10	1.74E-11	1.89E-10	2.32E-11	7.65E-11	5.27E-12	1.05E-10
9751	471404.44	3819966.6	2.7E-10	1.13E-09	1.02E-10	1.51E-09	2.25E-10	8.33E-10	7.33E-11	1.13E-09	2.55E-11	1.46E-10	1.74E-11	1.89E-10	2.32E-11	7.65E-11	5.27E-12	1.05E-10
9752	471400.67	3819975.45	2.7E-10	1.13E-09	1.02E-10	1.51E-09	2.25E-10	8.33E-10	7.33E-11	1.13E-09	2.55E-11	1.46E-10	1.74E-11	1.89E-10	2.32E-11	7.64E-11	5.27E-12	1.05E-10
9753	471396.91	3819984.29	2.7E-10	1.13E-09	1.02E-10	1.50E-09	2.25E-10	8.32E-10	7.32E-11	1.13E-09	2.55E-11	1.46E-10	1.74E-11	1.89E-10	2.31E-11	7.63E-11	5.26E-12	1.05E-10
9754	471393.14	3819993.14	2.69E-10	1.13E-09	1.02E-10	1.50E-09	2.24E-10	8.31E-10	7.31E-11	1.13E-09	2.54E-11	1.46E-10	1.74E-11	1.88E-10	2.31E-11	7.62E-11	5.25E-12	1.05E-10
9755	471389.37	3820001.99	2.69E-10	1.13E-09	1.02E-10	1.50E-09	2.24E-10	8.30E-10	7.30E-11	1.13E-09	2.54E-11	1.45E-10	1.73E-11	1.88E-10	2.31E-11	7.61E-11	5.25E-12	1.04E-10
9756	471385.6	3820010.83	2.69E-10	1.13E-09	1.02E-10	1.50E-09	2.24E-10	8.29E-10	7.29E-11	1.13E-09	2.54E-11	1.45E-10	1.73E-11	1.88E-10	2.31E-11	7.60E-11	5.24E-12	1.04E-10
9757	471381.84	3820019.68	2.68E-10	1.13E-09	1.01E-10	1.50E-09	2.23E-10	8.28E-10	7.28E-11	1.12E-09	2.53E-11	1.45E-10	1.73E-11	1.88E-10	2.30E-11	7.59E-11	5.23E-12	1.04E-10
9758	471378.07	3820028.53	2.68E-10	1.12E-09	1.01E-10	1.49E-09	2.23E-10	8.27E-10	7.27E-11	1.12E-09	2.53E-11	1.45E-10	1.73E-11	1.87E-10	2.30E-11	7.58E-11	5.23E-12	1.04E-10
9759	471374.3	3820037.38	2.67E-10	1.12E-09	1.01E-10	1.49E-09	2.23E-10	8.25E-10	7.26E-11	1.12E-09	2.53E-11	1.45E-10	1.72E-11	1.87E-10	2.30E-11	7.57E-11	5.22E-12	1.04E-10
9760	471370.53	3820046.22	2.67E-10	1.12E-09	1.01E-10	1.49E-09	2.22E-10	8.24E-10	7.25E-11	1.12E-09	2.52E-11	1.44E-10	1.72E-11	1.87E-10	2.29E-11	7.56E-11	5.21E-12	1.04E-10
9761	471366.76	3820055.07	2.67E-10	1.12E-09	1.01E-10	1.49E-09	2.22E-10	8.23E-10	7.24E-11	1.12E-09	2.52E-11	1.44E-10	1.72E-11	1.86E-10	2.29E-11	7.55E-11	5.20E-12	1.04E-10
9762	471363	3820063.92	2.66E-10	1.12E-09	1.01E-10	1.48E-09	2.22E-10	8.21E-10	7.22E-11	1.11E-09	2.51E-11	1.44E-10	1.72E-11	1.86E-10	2.28E-11	7.53E-11	5.19E-12	1.03E-10
9763	471359.23	3820072.76	2.66E-10	1.12E-09	1.00E-10	1.48E-09	2.21E-10	8.20E-10	7.21E-11	1.11E-09	2.51E-11	1.44E-10	1.71E-11	1.86E-10	2.28E-11	7.52E-11	5.18E-12	1.03E-10
9764	471355.46	3820081.61	2.65E-10	1.11E-09	1.00E-10	1.48E-09	2.21E-10	8.18E-10	7.20E-11	1.11E-09	2.50E-11	1.43E-10	1.71E-11	1.85E-10	2.28E-11	7.50E-11	5.17E-12	1.03E-10
9765	471351.69	3820090.46	2.65E-10	1.11E-09	1.00E-10	1.48E-09	2.20E-10	8.17E-10	7.19E-11	1.11E-09	2.50E-11	1.43E-10	1.71E-11	1.85E-10	2.27E-11	7.49E-11	5.16E-12	1.03E-10
9766	471347.93	3820099.3	2.64E-10	1.11E-09	9.99E-11	1.47E-09	2.20E-10	8.15E-10	7.17E-11	1.11E-09	2.50E-11	1.43E-10	1.70E-11	1.85E-10	2.27E-11	7.48E-11	5.16E-12	1.03E-10
9767	471344.16	3820108.15	2.64E-10	1.11E-09	9.97E-11	1.47E-09	2.20E-10	8.14E-10	7.16E-11	1.11E-09	2.49E-11	1.43E-10	1.70E-11	1.84E-10	2.26E-11	7.47E-11	5.15E-12	1.02E-10
9768	471340.39	3820117	2.63E-10	1.11E-09	9.96E-11	1.47E-09	2.19E-10	8.13E-10	7.15E-11	1.10E-09	2.49E-11	1.42E-10	1.70E-11	1.84E-10	2.26E-11	7.45E-11	5.14E-12	1.02E-10
9769	471336.62	3820125.85	2.63E-10	1.10E-09	9.94E-11	1.47E-09	2.19E-10	8.11E-10	7.14E-11	1.10E-09	2.48E-11	1.42E-10	1.70E-11	1.84E-10	2.26E-11	7.44E-11	5.13E-12	1.02E-10
9770	471332.86	3820134.69	2.62E-10	1.10E-09	9.92E-11	1.46E-09	2.19E-10	8.10E-10	7.12E-11	1.10E-09	2.48E-11	1.42E-10	1.69E-11	1.84E-10	2.25E-11	7.43E-11	5.12E-12	1.02E-10
9771	471329.09	3820143.54	2.62E-10	1.10E-09	9.90E-11	1.46E-09	2.18E-10	8.08E-10	7.11E-11	1.10E-09	2.47E-11	1.42E-10	1.69E-11	1.83E-10	2.25E-11	7.41E-11	5.11E-12	1.02E-10
9772	471325.32	3820152.39	2.61E-10	1.10E-09	9.89E-11	1.46E-09	2.18E-10	8.07E-10	7.10E-11	1.10E-09	2.47E-11	1.41E-10	1.69E-11	1.83E-10	2.24E-11	7.40E-11	5.10E-12	1.02E-10
9773	471321.55	3820161.23	2.61E-10	1.10E-09	9.87E-11	1.46E-09	2.17E-10	8.05E-10	7.08E-11	1.09E-09	2.46E-11	1.41E-10	1.68E-11	1.83E-10	2.24E-11	7.39E-11	5.09E-12	1.01E-10
9774	471317.78	3820170.08	2.61E-10	1.09E-09	9.85E-11	1.45E-09	2.17E-10	8.04E-10	7.07E-11	1.09E-09	2.46E-11	1.41E-10	1.68E-11	1.82E-10	2.24E-11	7.37E-11	5.08E-12	1.01E-10
9775	471314.02	3820178.93	2.6E-10	1.09E-09	9.84E-11	1.45E-09	2.17E-10	8.03E-10	7.06E-11	1.09E-09	2.46E-11	1.41E-10	1.68E-11	1.82E-10	2.23E-11	7.36E-11	5.07E-12	1.01E-10
9776	471310.25	3820187.77	2.6E-10	1.09E-09	9.82E-11	1.45E-09	2.16E-10	8.01E-10	7.05E-11	1.09E-09	2.45E-11	1.40E-10	1.67E-11	1.82E-10	2.23E-11	7.35E-11	5.07E-12	1.01E-10
9777	471306.48	3820196.62	2.59E-10	1.09E-09	9.80E-11	1.45E-09	2.16E-10	8.00E-10	7.04E-11	1.09E-09	2.45E-11	1.40E-10	1.67E-11	1.81E-10	2.22E-11	7.34E-11	5.06E-12	1.01E-10
9778	471302.71	3820205.47	2.59E-10	1.09E-09	9.78E-11	1.44E-09	2.15E-10	7.98E-10	7.02E-11	1.08E-09	2.44E-11	1.40E-10	1.67E-11	1.81E-10	2.22E-11	7.32E-11	5.05E-12	1.00E-10
9779	471298.95	3820214.32	2.58E-10	1.08E-09	9.77E-11	1.44E-09	2.15E-10	7.97E-10	7.01E-11	1.08E-09	2.44E-11	1.40E-10	1.67E-11	1.81E-10	2.22E-11	7.31E-11	5.04E-12	1.00E-10
9780	471295.18	3820223.16	2.58E-10	1.08E-09	9.75E-11	1.44E-09	2.15E-10	7.96E-10	7.00E-11	1.08E-09	2.43E-11	1.39E-10	1.66E-11	1.80E-10	2.21E-11	7.30E-11	5.03E-12	1.00E-10
9781	471291.41	3820232.01	2.57E-10	1.08E-09	9.73E-11	1.44E-09	2.14E-10	7.94E-10	6.99E-11	1.08E-09	2.43E-11	1.39E-10	1.66E-11	1.80E-10	2.21E-11	7.28E-11	5.02E-12	1.00E-10
9782	471287.64	3820240.86	2.57E-10	1.08E-09	9.71E-11	1.43E-09	2.14E-10	7.93E-10	6.97E-11	1.08E-09	2.43E-11	1.39E-10	1.66E-11	1.80E-10	2.21E-11	7.27E-11	5.01E-12	9.98E-11
9783	471283.87	3820249.7	2.56E-10	1.08E-09	9.70E-11	1.43E-09	2.14E-10	7.91E-10	6.96E-11	1.07E-09	2.42E-11	1.39E-10	1.65E-11	1.79E-10	2.20E-11	7.26E-11	5.00E-12	9.96E-11
9784	471280.11	3820258.55	2.56E-10	1.07E-09	9.67E-11	1.43E-09	2.13E-10	7.89E-10	6.94E-11	1.07E-09	2.42E-11	1.38E-10	1.65E-11	1.79E-10	2.20E-11	7.24E-11	4.99E-12	9.94E-11
9785	471276.34	3820267.4	2.55E-10	1.07E-09	9.65E-11	1.42E-09	2.13E-10	7.88E-10	6.93E-11	1.07E-09	2.41E-11	1.38E-10	1.65E-11	1.79E-10	2.19E-11	7.22E-11	4.98E-12	9.91E-11
9786	471272.57	3820276.24	2.55E-10	1.07E-09	9.63E-11	1.42E-09	2.12E-10	7.86E-10	6.91E-11	1.07E-09	2.40E-11	1.38E-10	1.64E-11	1.78E-10	2.19E-11	7.21E-11	4.97E-12	9.89E-11
9787	471268.8	3820285.09	2.54E-10	1.07E-09	9.61E-11	1.42E-09	2.12E-10	7.84E-10	6.90E-11	1.07E-09	2.40E-11	1.37E-10	1.64E-11	1.78E-10	2.18E-11	7.20E-11	4.96E-12	9.87E-11
9788	471265.04	3820293.94	2.54E-10	1.06E-09	9.59E-11	1.41E-09	2.11E-10	7.82E-10	6.88E-11	1.06E-09	2.39E-11	1.37E-10	1.64E-11	1.77E-10	2.18E-11	7.18E-11	4.95E-12	9.85E-11
9789	471261.27	3820302.79	2.53E-10	1.06E-09	9.57E-11	1.41E-09	2.11E-10	7.81E-10	6.87E-11	1.06E-09	2.39E-11	1.37E-10	1.63E-11	1.77E-10	2.17E-11	7.16E-11	4.94E-12	9.82E-11
9790	471257.5	3820311.63	2.52E-10	1.06E-09	9.54E-11	1.41E-09	2.10E-10	7.79E-10	6.85E-11	1.06E-09	2.38E-11	1.36E-10	1.63E-11	1.77E-10	2.17E-11	7.14E-11	4.92E-12	9.80E-11
9791	471253.73	3820320.48	2.52E-10	1.06E-09	9.52E-11	1.40E-09	2.10E-10	7.77E-10	6.83E-11	1.05E-09	2.38E-11	1.36E-10	1.62E-11	1.76E-10	2.16E-11	7.12E-11	4.91E-12	9.78E-11
9792	471249.97	3820329.33	2.51E-10	1.05E-09	9.49E-11	1.40E-09	2.09E-10	7.75E-10	6.81E-11	1.05E-09	2.37E-11	1.36E-10	1.62E-11	1.76E-10	2.15E-11	7.10E-11	4.90E-12	9.75E-11
9793	471246.2	3820338.17	2.5E-10	1.05E-09	9.47E-11	1.40E-09	2.09E-10	7.73E-10	6.80E-11	1.05E-09	2.36E-11	1.35E-10	1.61E-11	1.75E-10	2.15E-11	7.09E-11	4.88E-12	9.72E-11
9794	471242.43	3820347.02	2.5E-10	1.05E-09	9.44E-11	1.39E-09	2.08E-10	7.70E-10	6.78E-11	1.05E-09	2.36E-11	1.35E-10	1.61E-11	1.75E-10	2.14E-11	7.06E-11	4.87E-12	9.69E-11
9795	471238.66	3820355.87	2.49E-10	1.05E-09	9.41E-11	1.39E-09	2.07E-10	7.68E-10	6.76E-11	1.04E-09	2.35E-11	1.35E-10	1.61E-11	1.74E-10	2.14E-11	7.04E-11	4.86E-12	9.67E-11
9796	471234.89	3820364.72	2.48E-10	1.04E-09	9.38E-11	1.38E-09	2.07E-10	7.66E-10	6.73E-11	1.04E-09	2.34E-11	1.34E-10	1.60E-11	1.74E-10	2.13E-11	7.02E-11	4.84E-12	9.64E-11

9797	471231.13	3820373.56	2.47E-10	1.04E-09	9.35E-11	1.38E-09	2.06E-10	7.63E-10	6.71E-11	1.04E-09	2.34E-11	1.34E-10	1.60E-11	1.73E-10	2.12E-11	7.00E-11	4.83E-12	9.61E-11
9798	471227.36	3820382.41	2.46E-10	1.03E-09	9.32E-11	1.37E-09	2.05E-10	7.60E-10	6.69E-11	1.03E-09	2.33E-11	1.33E-10	1.59E-11	1.72E-10	2.12E-11	6.97E-11	4.81E-12	9.57E-11
9799	471223.59	3820391.26	2.46E-10	1.03E-09	9.29E-11	1.37E-09	2.05E-10	7.58E-10	6.67E-11	1.03E-09	2.32E-11	1.33E-10	1.58E-11	1.72E-10	2.11E-11	6.95E-11	4.79E-12	9.54E-11
9800	471219.82	3820400.1	2.45E-10	1.03E-09	9.26E-11	1.37E-09	2.04E-10	7.55E-10	6.64E-11	1.03E-09	2.31E-11	1.32E-10	1.58E-11	1.71E-10	2.10E-11	6.93E-11	4.78E-12	9.51E-11
9801	471207.13	3820412.52	2.45E-10	1.03E-09	9.27E-11	1.37E-09	2.04E-10	7.56E-10	6.65E-11	1.03E-09	2.31E-11	1.33E-10	1.58E-11	1.71E-10	2.10E-11	6.94E-11	4.78E-12	9.52E-11
9802	471198.2	3820416.09	2.46E-10	1.03E-09	9.32E-11	1.37E-09	2.05E-10	7.60E-10	6.69E-11	1.03E-09	2.33E-11	1.33E-10	1.59E-11	1.72E-10	2.12E-11	6.97E-11	4.81E-12	9.57E-11
9803	471189.27	3820419.65	2.48E-10	1.04E-09	9.37E-11	1.38E-09	2.06E-10	7.64E-10	6.72E-11	1.04E-09	2.34E-11	1.34E-10	1.60E-11	1.73E-10	2.13E-11	7.01E-11	4.83E-12	9.62E-11
9804	471180.34	3820423.22	2.49E-10	1.05E-09	9.42E-11	1.39E-09	2.07E-10	7.68E-10	6.76E-11	1.04E-09	2.35E-11	1.35E-10	1.61E-11	1.74E-10	2.14E-11	7.05E-11	4.86E-12	9.67E-11
9805	471171.41	3820426.79	2.5E-10	1.05E-09	9.46E-11	1.40E-09	2.08E-10	7.72E-10	6.79E-11	1.05E-09	2.36E-11	1.35E-10	1.61E-11	1.75E-10	2.15E-11	7.08E-11	4.88E-12	9.72E-11
9806	471162.48	3820430.36	2.51E-10	1.06E-09	9.51E-11	1.40E-09	2.09E-10	7.76E-10	6.82E-11	1.05E-09	2.37E-11	1.36E-10	1.62E-11	1.76E-10	2.16E-11	7.12E-11	4.91E-12	9.76E-11
9807	471153.55	3820433.92	2.53E-10	1.06E-09	9.55E-11	1.41E-09	2.10E-10	7.79E-10	6.86E-11	1.06E-09	2.39E-11	1.37E-10	1.63E-11	1.77E-10	2.17E-11	7.15E-11	4.93E-12	9.81E-11
9808	471144.62	3820437.49	2.54E-10	1.07E-09	9.60E-11	1.42E-09	2.11E-10	7.83E-10	6.89E-11	1.06E-09	2.40E-11	1.37E-10	1.64E-11	1.78E-10	2.18E-11	7.18E-11	4.95E-12	9.86E-11
9809	471135.69	3820441.06	2.55E-10	1.07E-09	9.64E-11	1.42E-09	2.12E-10	7.87E-10	6.92E-11	1.07E-09	2.41E-11	1.38E-10	1.64E-11	1.78E-10	2.19E-11	7.22E-11	4.97E-12	9.90E-11
9810	471126.76	3820444.63	2.56E-10	1.08E-09	9.68E-11	1.43E-09	2.13E-10	7.90E-10	6.95E-11	1.07E-09	2.42E-11	1.38E-10	1.65E-11	1.79E-10	2.20E-11	7.25E-11	5.00E-12	9.95E-11
9811	471117.83	3820448.2	2.57E-10	1.08E-09	9.73E-11	1.43E-09	2.14E-10	7.94E-10	6.98E-11	1.08E-09	2.43E-11	1.39E-10	1.66E-11	1.80E-10	2.21E-11	7.28E-11	5.02E-12	9.99E-11
9812	471108.9	3820451.76	2.58E-10	1.08E-09	9.77E-11	1.44E-09	2.15E-10	7.97E-10	7.01E-11	1.08E-09	2.44E-11	1.40E-10	1.67E-11	1.81E-10	2.22E-11	7.31E-11	5.04E-12	1.00E-10
9813	471099.97	3820455.33	2.59E-10	1.09E-09	9.81E-11	1.45E-09	2.16E-10	8.00E-10	7.04E-11	1.09E-09	2.45E-11	1.40E-10	1.67E-11	1.81E-10	2.23E-11	7.34E-11	5.06E-12	1.01E-10
9814	471091.04	3820458.9	2.6E-10	1.09E-09	9.85E-11	1.45E-09	2.17E-10	8.04E-10	7.07E-11	1.09E-09	2.46E-11	1.41E-10	1.68E-11	1.82E-10	2.24E-11	7.37E-11	5.08E-12	1.01E-10
9815	471082.11	3820462.47	2.61E-10	1.10E-09	9.89E-11	1.46E-09	2.18E-10	8.07E-10	7.10E-11	1.10E-09	2.47E-11	1.41E-10	1.69E-11	1.83E-10	2.24E-11	7.40E-11	5.10E-12	1.02E-10
9816	471073.18	3820466.03	2.62E-10	1.10E-09	9.93E-11	1.46E-09	2.19E-10	8.10E-10	7.12E-11	1.10E-09	2.48E-11	1.42E-10	1.69E-11	1.84E-10	2.25E-11	7.43E-11	5.12E-12	1.02E-10
9817	471064.25	3820469.6	2.64E-10	1.11E-09	9.97E-11	1.47E-09	2.19E-10	8.13E-10	7.15E-11	1.10E-09	2.49E-11	1.42E-10	1.70E-11	1.84E-10	2.26E-11	7.46E-11	5.14E-12	1.02E-10
9818	471055.32	3820473.17	2.65E-10	1.11E-09	1.00E-10	1.48E-09	2.20E-10	8.16E-10	7.18E-11	1.11E-09	2.50E-11	1.43E-10	1.71E-11	1.85E-10	2.27E-11	7.49E-11	5.16E-12	1.03E-10
9819	471046.4	3820476.74	2.66E-10	1.12E-09	1.00E-10	1.48E-09	2.21E-10	8.20E-10	7.21E-11	1.11E-09	2.51E-11	1.44E-10	1.71E-11	1.86E-10	2.28E-11	7.52E-11	5.18E-12	1.03E-10
9820	471037.47	3820480.31	2.67E-10	1.12E-09	1.01E-10	1.49E-09	2.22E-10	8.23E-10	7.24E-11	1.12E-09	2.52E-11	1.44E-10	1.72E-11	1.87E-10	2.29E-11	7.55E-11	5.20E-12	1.04E-10
9821	471028.54	3820483.87	2.68E-10	1.12E-09	1.01E-10	1.49E-09	2.23E-10	8.27E-10	7.27E-11	1.12E-09	2.53E-11	1.45E-10	1.73E-11	1.87E-10	2.30E-11	7.58E-11	5.23E-12	1.04E-10
9822	471019.61	3820487.44	2.69E-10	1.13E-09	1.02E-10	1.50E-09	2.24E-10	8.30E-10	7.30E-11	1.13E-09	2.54E-11	1.45E-10	1.73E-11	1.88E-10	2.31E-11	7.61E-11	5.25E-12	1.04E-10
9823	471010.68	3820491.01	2.7E-10	1.13E-09	1.02E-10	1.51E-09	2.25E-10	8.34E-10	7.34E-11	1.13E-09	2.55E-11	1.46E-10	1.74E-11	1.89E-10	2.32E-11	7.65E-11	5.27E-12	1.05E-10
9824	470974.96	3820505.28	2.75E-10	1.16E-09	1.04E-10	1.54E-09	2.29E-10	8.50E-10	7.48E-11	1.15E-09	2.60E-11	1.49E-10	1.78E-11	1.93E-10	2.36E-11	7.80E-11	5.37E-12	1.07E-10
9825	470966.03	3820508.85	2.77E-10	1.16E-09	1.05E-10	1.54E-09	2.31E-10	8.54E-10	7.52E-11	1.16E-09	2.61E-11	1.50E-10	1.79E-11	1.94E-10	2.38E-11	7.84E-11	5.40E-12	1.08E-10
9826	470957.1	3820512.42	2.78E-10	1.17E-09	1.05E-10	1.55E-09	2.32E-10	8.59E-10	7.56E-11	1.17E-09	2.63E-11	1.51E-10	1.80E-11	1.95E-10	2.39E-11	7.88E-11	5.43E-12	1.08E-10
9827	470948.17	3820515.98	2.8E-10	1.18E-09	1.06E-10	1.56E-09	2.33E-10	8.64E-10	7.60E-11	1.17E-09	2.64E-11	1.51E-10	1.81E-11	1.96E-10	2.40E-11	7.92E-11	5.46E-12	1.09E-10
9828	470939.24	3820519.55	2.82E-10	1.18E-09	1.07E-10	1.57E-09	2.35E-10	8.69E-10	7.65E-11	1.18E-09	2.66E-11	1.52E-10	1.82E-11	1.97E-10	2.42E-11	7.97E-11	5.50E-12	1.09E-10
9829	470930.31	3820523.12	2.83E-10	1.19E-09	1.07E-10	1.58E-09	2.36E-10	8.74E-10	7.69E-11	1.19E-09	2.68E-11	1.53E-10	1.83E-11	1.98E-10	2.43E-11	8.02E-11	5.53E-12	1.10E-10
9830	470921.38	3820526.69	2.85E-10	1.20E-09	1.08E-10	1.59E-09	2.38E-10	8.80E-10	7.74E-11	1.20E-09	2.69E-11	1.54E-10	1.84E-11	2.00E-10	2.45E-11	8.07E-11	5.57E-12	1.11E-10
9831	470849.95	3820555.23	3.03E-10	1.27E-09	1.15E-10	1.69E-09	2.52E-10	9.35E-10	8.22E-11	1.27E-09	2.86E-11	1.64E-10	1.95E-11	2.12E-10	2.60E-11	8.57E-11	5.91E-12	1.18E-10
9832	470841.02	3820558.8	3.05E-10	1.28E-09	1.16E-10	1.70E-09	2.54E-10	9.43E-10	8.29E-11	1.28E-09	2.88E-11	1.65E-10	1.97E-11	2.14E-10	2.62E-11	8.65E-11	5.96E-12	1.19E-10
9833	470832.09	3820562.36	3.08E-10	1.29E-09	1.17E-10	1.72E-09	2.57E-10	9.51E-10	8.37E-11	1.29E-09	2.91E-11	1.67E-10	1.99E-11	2.16E-10	2.65E-11	8.72E-11	6.01E-12	1.20E-10
9834	470823.16	3820565.93	3.11E-10	1.31E-09	1.18E-10	1.73E-09	2.59E-10	9.60E-10	8.44E-11	1.30E-09	2.94E-11	1.68E-10	2.01E-11	2.18E-10	2.67E-11	8.80E-11	6.07E-12	1.21E-10
9835	470814.23	3820569.5	3.14E-10	1.32E-09	1.19E-10	1.75E-09	2.61E-10	9.69E-10	8.52E-11	1.32E-09	2.96E-11	1.70E-10	2.02E-11	2.20E-10	2.69E-11	8.89E-11	6.12E-12	1.22E-10
9836	470805.3	3820573.07	3.17E-10	1.33E-09	1.20E-10	1.77E-09	2.64E-10	9.77E-10	8.60E-11	1.33E-09	2.99E-11	1.71E-10	2.04E-11	2.22E-10	2.72E-11	8.97E-11	6.18E-12	1.23E-10
9837	470796.37	3820576.63	3.2E-10	1.34E-09	1.21E-10	1.78E-09	2.66E-10	9.87E-10	8.68E-11	1.34E-09	3.02E-11	1.73E-10	2.06E-11	2.24E-10	2.74E-11	9.05E-11	6.24E-12	1.24E-10
9838	470787.44	3820580.2	3.23E-10	1.36E-09	1.22E-10	1.80E-09	2.69E-10	9.96E-10	8.76E-11	1.35E-09	3.05E-11	1.74E-10	2.08E-11	2.26E-10	2.77E-11	9.14E-11	6.30E-12	1.25E-10
9839	470778.51	3820583.77	3.26E-10	1.37E-09	1.23E-10	1.82E-09	2.71E-10	1.01E-09	8.84E-11	1.37E-09	3.08E-11	1.76E-10	2.10E-11	2.28E-10	2.80E-11	9.22E-11	6.36E-12	1.27E-10
9840	470769.58	3820587.34	3.29E-10	1.38E-09	1.24E-10	1.83E-09	2.74E-10	1.01E-09	8.93E-11	1.38E-09	3.11E-11	1.78E-10	2.12E-11	2.30E-10	2.82E-11	9.31E-11	6.42E-12	1.28E-10
9841	470760.65	3820590.91	3.32E-10	1.39E-09	1.26E-10	1.85E-09	2.76E-10	1.02E-09	9.01E-11	1.39E-09	3.13E-11	1.79E-10	2.14E-11	2.32E-10	2.85E-11	9.40E-11	6.48E-12	1.29E-10
9842	470751.72	3820594.47	3.35E-10	1.41E-09	1.27E-10	1.87E-09	2.79E-10	1.03E-09	9.09E-11	1.40E-09	3.16E-11	1.81E-10	2.16E-11	2.34E-10	2.88E-11	9.48E-11	6.54E-12	1.30E-10
9843	470742.79	3820598.04	3.38E-10	1.42E-09	1.28E-10	1.88E-09	2.81E-10	1.04E-09	9.17E-11	1.42E-09	3.19E-11	1.83E-10	2.18E-11	2.36E-10	2.90E-11	9.57E-11	6.59E-12	1.31E-10
9844	470733.86	3820601.61	3.41E-10	1.43E-09	1.29E-10	1.90E-09	2.84E-10	1.05E-09	9.26E-11	1.43E-09	3.22E-11	1.84E-10	2.20E-11	2.39E-10	2.93E-11	9.66E-11	6.66E-12	1.32E-10
9845	470724.93	3820605.18	3.44E-10	1.45E-09	1.30E-10	1.92E-09	2.87E-10	1.06E-09	9.35E-11	1.44E-09	3.25E-11	1.86E-10	2.22E-11	2.41E-10	2.96E-11	9.75E-11	6.72E-12	1.34E-10
9846	470716	3820608.74	3.48E-10	1.46E-09	1.31E-10	1.94E-09	2.90E-10	1.07E-09	9.44E-11	1.46E-09	3.28E-11	1.88E-10	2.24E-11	2.43E-10	2.98E-11	9.84E-11	6.78E-12	1.35E-10

9847	470707.07	3820612.31	3.51E-10	1.47E-09	1.33E-10	1.96E-09	2.92E-10	1.08E-09	9.53E-11	1.47E-09	3.32E-11	1.90E-10	2.26E-11	2.46E-10	3.01E-11	9.94E-11	6.85E-12	1.36E-10
9848	470698.14	3820615.88	3.54E-10	1.49E-09	1.34E-10	1.98E-09	2.95E-10	1.09E-09	9.62E-11	1.49E-09	3.35E-11	1.92E-10	2.29E-11	2.48E-10	3.04E-11	1.00E-10	6.92E-12	1.38E-10
9849	470689.21	3820619.45	3.58E-10	1.50E-09	1.35E-10	2.00E-09	2.98E-10	1.10E-09	9.71E-11	1.50E-09	3.38E-11	1.93E-10	2.31E-11	2.50E-10	3.07E-11	1.01E-10	6.98E-12	1.39E-10
9850	470680.28	3820623.02	3.61E-10	1.52E-09	1.37E-10	2.01E-09	3.01E-10	1.11E-09	9.80E-11	1.51E-09	3.41E-11	1.95E-10	2.33E-11	2.53E-10	3.10E-11	1.02E-10	7.05E-12	1.40E-10
9851	470671.36	3820626.58	3.64E-10	1.53E-09	1.38E-10	2.03E-09	3.03E-10	1.12E-09	9.88E-11	1.53E-09	3.44E-11	1.97E-10	2.35E-11	2.55E-10	3.13E-11	1.03E-10	7.10E-12	1.41E-10
9852	470662.43	3820630.15	3.67E-10	1.54E-09	1.39E-10	2.05E-09	3.06E-10	1.13E-09	9.97E-11	1.54E-09	3.47E-11	1.98E-10	2.37E-11	2.57E-10	3.15E-11	1.04E-10	7.16E-12	1.43E-10
9853	470653.5	3820633.72	3.7E-10	1.55E-09	1.40E-10	2.06E-09	3.08E-10	1.14E-09	1.00E-10	1.55E-09	3.49E-11	2.00E-10	2.39E-11	2.59E-10	3.18E-11	1.05E-10	7.22E-12	1.44E-10
9854	470644.57	3820637.29	3.73E-10	1.57E-09	1.41E-10	2.08E-09	3.10E-10	1.15E-09	1.01E-10	1.56E-09	3.52E-11	2.01E-10	2.40E-11	2.61E-10	3.20E-11	1.06E-10	7.27E-12	1.45E-10
9855	470635.64	3820640.85	3.75E-10	1.58E-09	1.42E-10	2.09E-09	3.13E-10	1.16E-09	1.02E-10	1.57E-09	3.55E-11	2.03E-10	2.42E-11	2.63E-10	3.22E-11	1.06E-10	7.33E-12	1.46E-10
9856	470626.71	3820644.42	3.78E-10	1.59E-09	1.43E-10	2.11E-09	3.15E-10	1.17E-09	1.03E-10	1.58E-09	3.57E-11	2.04E-10	2.44E-11	2.65E-10	3.25E-11	1.07E-10	7.38E-12	1.47E-10
9857	470617.78	3820647.99	3.81E-10	1.60E-09	1.44E-10	2.12E-09	3.17E-10	1.17E-09	1.03E-10	1.60E-09	3.60E-11	2.06E-10	2.46E-11	2.66E-10	3.27E-11	1.08E-10	7.43E-12	1.48E-10
9858	470608.85	3820651.56	3.83E-10	1.61E-09	1.45E-10	2.14E-09	3.19E-10	1.18E-09	1.04E-10	1.61E-09	3.62E-11	2.07E-10	2.47E-11	2.68E-10	3.29E-11	1.08E-10	7.48E-12	1.49E-10
9859	470599.92	3820655.13	3.85E-10	1.62E-09	1.46E-10	2.15E-09	3.21E-10	1.19E-09	1.05E-10	1.62E-09	3.64E-11	2.08E-10	2.49E-11	2.70E-10	3.31E-11	1.09E-10	7.52E-12	1.50E-10
9860	470590.99	3820658.69	3.88E-10	1.63E-09	1.47E-10	2.16E-09	3.23E-10	1.20E-09	1.05E-10	1.62E-09	3.66E-11	2.10E-10	2.50E-11	2.71E-10	3.33E-11	1.10E-10	7.56E-12	1.51E-10
9861	470582.06	3820662.26	3.9E-10	1.64E-09	1.47E-10	2.17E-09	3.25E-10	1.20E-09	1.06E-10	1.63E-09	3.68E-11	2.11E-10	2.51E-11	2.73E-10	3.35E-11	1.10E-10	7.61E-12	1.51E-10
9862	470573.13	3820665.83	3.92E-10	1.65E-09	1.48E-10	2.19E-09	3.27E-10	1.21E-09	1.06E-10	1.64E-09	3.70E-11	2.12E-10	2.53E-11	2.74E-10	3.37E-11	1.11E-10	7.65E-12	1.52E-10
9863	470564.2	3820669.4	3.94E-10	1.66E-09	1.49E-10	2.20E-09	3.28E-10	1.22E-09	1.07E-10	1.65E-09	3.72E-11	2.13E-10	2.54E-11	2.76E-10	3.38E-11	1.12E-10	7.69E-12	1.53E-10
9864	470555.27	3820672.96	3.96E-10	1.66E-09	1.50E-10	2.21E-09	3.30E-10	1.22E-09	1.08E-10	1.66E-09	3.74E-11	2.14E-10	2.56E-11	2.77E-10	3.40E-11	1.12E-10	7.73E-12	1.54E-10
9865	470546.34	3820676.53	3.98E-10	1.67E-09	1.51E-10	2.22E-09	3.32E-10	1.23E-09	1.08E-10	1.67E-09	3.76E-11	2.15E-10	2.57E-11	2.78E-10	3.42E-11	1.13E-10	7.77E-12	1.55E-10
9866	470537.41	3820680.1	4E-10	1.68E-09	1.51E-10	2.23E-09	3.33E-10	1.23E-09	1.09E-10	1.68E-09	3.77E-11	2.16E-10	2.58E-11	2.80E-10	3.43E-11	1.13E-10	7.80E-12	1.55E-10
9867	470528.48	3820683.67	4.01E-10	1.68E-09	1.52E-10	2.24E-09	3.34E-10	1.24E-09	1.09E-10	1.68E-09	3.79E-11	2.17E-10	2.59E-11	2.81E-10	3.44E-11	1.14E-10	7.83E-12	1.56E-10
9868	470519.55	3820687.24	4.02E-10	1.69E-09	1.52E-10	2.24E-09	3.35E-10	1.24E-09	1.09E-10	1.69E-09	3.80E-11	2.18E-10	2.60E-11	2.81E-10	3.45E-11	1.14E-10	7.85E-12	1.56E-10
9869	470510.62	3820690.8	4.03E-10	1.69E-09	1.53E-10	2.25E-09	3.36E-10	1.24E-09	1.09E-10	1.69E-09	3.81E-11	2.18E-10	2.60E-11	2.82E-10	3.46E-11	1.14E-10	7.87E-12	1.57E-10
9870	470501.69	3820694.37	4.04E-10	1.70E-09	1.53E-10	2.26E-09	3.37E-10	1.25E-09	1.10E-10	1.69E-09	3.82E-11	2.19E-10	2.61E-11	2.83E-10	3.47E-11	1.14E-10	7.89E-12	1.57E-10
9871	470492.76	3820697.94	4.05E-10	1.70E-09	1.53E-10	2.26E-09	3.37E-10	1.25E-09	1.10E-10	1.70E-09	3.82E-11	2.19E-10	2.61E-11	2.83E-10	3.48E-11	1.15E-10	7.90E-12	1.57E-10
9872	470483.84	3820701.51	4.06E-10	1.70E-09	1.53E-10	2.26E-09	3.38E-10	1.25E-09	1.10E-10	1.70E-09	3.83E-11	2.19E-10	2.62E-11	2.84E-10	3.48E-11	1.15E-10	7.91E-12	1.58E-10
9873	470474.91	3820705.07	4.06E-10	1.70E-09	1.54E-10	2.26E-09	3.38E-10	1.25E-09	1.10E-10	1.70E-09	3.83E-11	2.19E-10	2.62E-11	2.84E-10	3.49E-11	1.15E-10	7.92E-12	1.58E-10
9874	470465.98	3820708.64	4.06E-10	1.71E-09	1.54E-10	2.27E-09	3.39E-10	1.25E-09	1.10E-10	1.70E-09	3.84E-11	2.20E-10	2.62E-11	2.84E-10	3.49E-11	1.15E-10	7.93E-12	1.58E-10
9875	470457.05	3820712.21	4.07E-10	1.71E-09	1.54E-10	2.27E-09	3.39E-10	1.26E-09	1.11E-10	1.71E-09	3.84E-11	2.20E-10	2.63E-11	2.85E-10	3.49E-11	1.15E-10	7.94E-12	1.58E-10
9876	470448.12	3820715.78	4.08E-10	1.71E-09	1.54E-10	2.27E-09	3.40E-10	1.26E-09	1.11E-10	1.71E-09	3.85E-11	2.20E-10	2.63E-11	2.85E-10	3.50E-11	1.15E-10	7.96E-12	1.58E-10
9877	470439.19	3820719.35	4.08E-10	1.72E-09	1.54E-10	2.28E-09	3.40E-10	1.26E-09	1.11E-10	1.71E-09	3.86E-11	2.21E-10	2.63E-11	2.86E-10	3.51E-11	1.16E-10	7.97E-12	1.59E-10
9878	470430.26	3820722.91	4.09E-10	1.72E-09	1.55E-10	2.28E-09	3.41E-10	1.26E-09	1.11E-10	1.71E-09	3.86E-11	2.21E-10	2.64E-11	2.86E-10	3.51E-11	1.16E-10	7.98E-12	1.59E-10
9879	470421.33	3820726.48	4.1E-10	1.72E-09	1.55E-10	2.28E-09	3.41E-10	1.26E-09	1.11E-10	1.72E-09	3.87E-11	2.21E-10	2.64E-11	2.87E-10	3.52E-11	1.16E-10	7.99E-12	1.59E-10
9880	470412.4	3820730.05	4.1E-10	1.72E-09	1.55E-10	2.29E-09	3.42E-10	1.27E-09	1.11E-10	1.72E-09	3.87E-11	2.22E-10	2.65E-11	2.87E-10	3.52E-11	1.16E-10	8.00E-12	1.59E-10
9881	470403.47	3820733.62	4.11E-10	1.73E-09	1.55E-10	2.29E-09	3.42E-10	1.27E-09	1.12E-10	1.72E-09	3.88E-11	2.22E-10	2.65E-11	2.87E-10	3.53E-11	1.16E-10	8.01E-12	1.60E-10
9882	470394.54	3820737.18	4.11E-10	1.73E-09	1.56E-10	2.29E-09	3.43E-10	1.27E-09	1.12E-10	1.72E-09	3.88E-11	2.22E-10	2.65E-11	2.88E-10	3.53E-11	1.16E-10	8.03E-12	1.60E-10
9883	470385.61	3820740.75	4.12E-10	1.73E-09	1.56E-10	2.30E-09	3.43E-10	1.27E-09	1.12E-10	1.73E-09	3.89E-11	2.23E-10	2.66E-11	2.88E-10	3.54E-11	1.17E-10	8.04E-12	1.60E-10
9884	470376.68	3820744.32	4.13E-10	1.73E-09	1.56E-10	2.30E-09	3.44E-10	1.27E-09	1.12E-10	1.73E-09	3.90E-11	2.23E-10	2.66E-11	2.89E-10	3.54E-11	1.17E-10	8.05E-12	1.60E-10
9885	470367.75	3820747.89	4.14E-10	1.74E-09	1.56E-10	2.31E-09	3.45E-10	1.28E-09	1.12E-10	1.73E-09	3.91E-11	2.24E-10	2.67E-11	2.89E-10	3.55E-11	1.17E-10	8.07E-12	1.61E-10
9886	470358.82	3820751.45	4.15E-10	1.74E-09	1.57E-10	2.31E-09	3.45E-10	1.28E-09	1.13E-10	1.74E-09	3.91E-11	2.24E-10	2.67E-11	2.90E-10	3.56E-11	1.17E-10	8.09E-12	1.61E-10
9887	470349.89	3820755.02	4.16E-10	1.75E-09	1.57E-10	2.32E-09	3.46E-10	1.28E-09	1.13E-10	1.74E-09	3.92E-11	2.25E-10	2.68E-11	2.91E-10	3.57E-11	1.18E-10	8.11E-12	1.61E-10
9888	470340.96	3820758.59	4.17E-10	1.75E-09	1.58E-10	2.32E-09	3.47E-10	1.29E-09	1.13E-10	1.75E-09	3.94E-11	2.25E-10	2.69E-11	2.92E-10	3.58E-11	1.18E-10	8.13E-12	1.62E-10
9889	470332.03	3820762.16	4.18E-10	1.75E-09	1.58E-10	2.33E-09	3.48E-10	1.29E-09	1.13E-10	1.75E-09	3.95E-11	2.26E-10	2.70E-11	2.92E-10	3.59E-11	1.18E-10	8.15E-12	1.62E-10
9890	470323.1	3820765.73	4.19E-10	1.76E-09	1.58E-10	2.34E-09	3.49E-10	1.29E-09	1.14E-10	1.76E-09	3.96E-11	2.27E-10	2.70E-11	2.93E-10	3.60E-11	1.19E-10	8.18E-12	1.63E-10
9891	470314.17	3820769.29	4.2E-10	1.76E-09	1.59E-10	2.34E-09	3.50E-10	1.30E-09	1.14E-10	1.76E-09	3.97E-11	2.27E-10	2.71E-11	2.94E-10	3.61E-11	1.19E-10	8.20E-12	1.63E-10
9892	470305.24	3820772.86	4.21E-10	1.77E-09	1.59E-10	2.35E-09	3.51E-10	1.30E-09	1.14E-10	1.77E-09	3.98E-11	2.28E-10	2.72E-11	2.95E-10	3.62E-11	1.19E-10	8.22E-12	1.64E-10
9893	470296.32	3820776.43	4.23E-10	1.78E-09	1.60E-10	2.36E-09	3.52E-10	1.30E-09	1.15E-10	1.77E-09	3.99E-11	2.29E-10	2.73E-11	2.96E-10	3.63E-11	1.20E-10	8.25E-12	1.64E-10
9894	470287.39	3820780	4.24E-10	1.78E-09	1.60E-10	2.36E-09	3.53E-10	1.31E-09	1.15E-10	1.78E-09	4.00E-11	2.29E-10	2.73E-11	2.97E-10	3.64E-11	1.20E-10	8.27E-12	1.65E-10
9895	470278.46	3820783.56	4.25E-10	1.79E-09	1.61E-10	2.37E-09	3.54E-10	1.31E-09	1.15E-10	1.78E-09	4.02E-11	2.30E-10	2.74E-11	2.98E-10	3.65E-11	1.20E-10	8.30E-12	1.65E-10
9896	470269.53	3820787.13	4.27E-10	1.79E-09	1.62E-10	2.38E-09	3.56E-10	1.32E-09	1.16E-10	1.79E-09	4.03E-11	2.31E-10	2.75E-11	2.99E-10	3.67E-11	1.21E-10	8.33E-12	1.66E-10

9897	471619.2	3819462.32	2.17E-10	9.11E-10	8.20E-11	1.21E-09	1.81E-10	6.69E-10	5.89E-11	9.09E-10	2.05E-11	1.17E-10	1.40E-11	1.52E-10	1.86E-11	6.14E-11	4.23E-12	8.43E-11
9898	471619.28	3819452.67	2.16E-10	9.09E-10	8.18E-11	1.21E-09	1.80E-10	6.68E-10	5.87E-11	9.07E-10	2.04E-11	1.17E-10	1.40E-11	1.51E-10	1.86E-11	6.12E-11	4.22E-12	8.40E-11
9899	471619.37	3819443.02	2.16E-10	9.06E-10	8.16E-11	1.20E-09	1.80E-10	6.66E-10	5.86E-11	9.04E-10	2.04E-11	1.17E-10	1.39E-11	1.51E-10	1.85E-11	6.11E-11	4.21E-12	8.38E-11
9900	471619.45	3819433.37	2.15E-10	9.03E-10	8.14E-11	1.20E-09	1.79E-10	6.64E-10	5.84E-11	9.01E-10	2.03E-11	1.16E-10	1.39E-11	1.50E-10	1.85E-11	6.09E-11	4.20E-12	8.36E-11
9901	471619.53	3819423.73	2.14E-10	9.00E-10	8.11E-11	1.20E-09	1.79E-10	6.61E-10	5.82E-11	8.98E-10	2.02E-11	1.16E-10	1.38E-11	1.50E-10	1.84E-11	6.07E-11	4.18E-12	8.33E-11
9902	471619.61	3819414.08	2.14E-10	8.97E-10	8.08E-11	1.19E-09	1.78E-10	6.59E-10	5.80E-11	8.95E-10	2.02E-11	1.15E-10	1.38E-11	1.49E-10	1.83E-11	6.04E-11	4.17E-12	8.29E-11
9903	471619.7	3819404.43	2.13E-10	8.93E-10	8.05E-11	1.19E-09	1.77E-10	6.56E-10	5.78E-11	8.91E-10	2.01E-11	1.15E-10	1.37E-11	1.49E-10	1.83E-11	6.02E-11	4.15E-12	8.26E-11
9904	471619.78	3819394.78	2.12E-10	8.90E-10	8.01E-11	1.18E-09	1.76E-10	6.54E-10	5.75E-11	8.88E-10	2.00E-11	1.15E-10	1.37E-11	1.48E-10	1.82E-11	6.00E-11	4.13E-12	8.23E-11
9905	471619.86	3819385.13	2.11E-10	8.85E-10	7.97E-11	1.18E-09	1.76E-10	6.51E-10	5.72E-11	8.83E-10	1.99E-11	1.14E-10	1.36E-11	1.47E-10	1.81E-11	5.97E-11	4.11E-12	8.19E-11
9906	471619.95	3819375.49	2.1E-10	8.81E-10	7.93E-11	1.17E-09	1.75E-10	6.47E-10	5.69E-11	8.79E-10	1.98E-11	1.13E-10	1.35E-11	1.47E-10	1.80E-11	5.94E-11	4.09E-12	8.15E-11
9907	471620.03	3819365.84	2.09E-10	8.76E-10	7.89E-11	1.16E-09	1.74E-10	6.44E-10	5.66E-11	8.74E-10	1.97E-11	1.13E-10	1.35E-11	1.46E-10	1.79E-11	5.91E-11	4.07E-12	8.10E-11
9908	471620.11	3819356.19	2.07E-10	8.71E-10	7.85E-11	1.16E-09	1.73E-10	6.40E-10	5.63E-11	8.69E-10	1.96E-11	1.12E-10	1.34E-11	1.45E-10	1.78E-11	5.87E-11	4.05E-12	8.06E-11
9909	471620.19	3819346.54	2.06E-10	8.66E-10	7.80E-11	1.15E-09	1.72E-10	6.36E-10	5.60E-11	8.64E-10	1.95E-11	1.11E-10	1.33E-11	1.44E-10	1.77E-11	5.84E-11	4.02E-12	8.01E-11
9910	471620.28	3819336.89	2.05E-10	8.60E-10	7.75E-11	1.14E-09	1.71E-10	6.32E-10	5.56E-11	8.58E-10	1.93E-11	1.11E-10	1.32E-11	1.43E-10	1.76E-11	5.80E-11	4.00E-12	7.96E-11
9911	471620.36	3819327.24	2.03E-10	8.54E-10	7.69E-11	1.13E-09	1.69E-10	6.28E-10	5.52E-11	8.52E-10	1.92E-11	1.10E-10	1.31E-11	1.42E-10	1.75E-11	5.76E-11	3.97E-12	7.90E-11
9912	471620.44	3819317.6	2.02E-10	8.48E-10	7.64E-11	1.13E-09	1.68E-10	6.23E-10	5.48E-11	8.46E-10	1.91E-11	1.09E-10	1.30E-11	1.41E-10	1.73E-11	5.72E-11	3.94E-12	7.84E-11
9913	471620.52	3819307.95	2E-10	8.42E-10	7.58E-11	1.12E-09	1.67E-10	6.19E-10	5.44E-11	8.40E-10	1.89E-11	1.08E-10	1.29E-11	1.40E-10	1.72E-11	5.67E-11	3.91E-12	7.79E-11
9914	471620.61	3819298.3	1.99E-10	8.35E-10	7.52E-11	1.11E-09	1.66E-10	6.14E-10	5.40E-11	8.33E-10	1.88E-11	1.07E-10	1.28E-11	1.39E-10	1.71E-11	5.63E-11	3.88E-12	7.72E-11
9915	471620.69	3819288.65	1.97E-10	8.28E-10	7.46E-11	1.10E-09	1.64E-10	6.09E-10	5.35E-11	8.26E-10	1.86E-11	1.07E-10	1.27E-11	1.38E-10	1.69E-11	5.58E-11	3.85E-12	7.66E-11
9916	471620.77	3819279	1.95E-10	8.21E-10	7.39E-11	1.09E-09	1.63E-10	6.03E-10	5.31E-11	8.19E-10	1.85E-11	1.06E-10	1.26E-11	1.37E-10	1.68E-11	5.53E-11	3.81E-12	7.59E-11
9917	471620.86	3819269.36	1.94E-10	8.14E-10	7.33E-11	1.08E-09	1.61E-10	5.98E-10	5.26E-11	8.12E-10	1.83E-11	1.05E-10	1.25E-11	1.36E-10	1.66E-11	5.48E-11	3.78E-12	7.52E-11
9918	471620.94	3819259.71	1.92E-10	8.06E-10	7.26E-11	1.07E-09	1.60E-10	5.92E-10	5.21E-11	8.04E-10	1.81E-11	1.04E-10	1.24E-11	1.34E-10	1.65E-11	5.43E-11	3.74E-12	7.45E-11
9919	471695.45	3819471.8	1.95E-10	8.20E-10	7.38E-11	1.09E-09	1.63E-10	6.02E-10	5.30E-11	8.18E-10	1.84E-11	1.06E-10	1.26E-11	1.37E-10	1.68E-11	5.53E-11	3.81E-12	7.58E-11
9920	471691.7	3819480.6	1.97E-10	8.25E-10	7.43E-11	1.10E-09	1.64E-10	6.06E-10	5.33E-11	8.23E-10	1.86E-11	1.06E-10	1.27E-11	1.37E-10	1.69E-11	5.56E-11	3.83E-12	7.63E-11
9921	471687.96	3819489.4	1.98E-10	8.31E-10	7.48E-11	1.10E-09	1.65E-10	6.11E-10	5.37E-11	8.29E-10	1.87E-11	1.07E-10	1.28E-11	1.38E-10	1.70E-11	5.60E-11	3.86E-12	7.69E-11
9922	471684.21	3819498.2	1.99E-10	8.37E-10	7.53E-11	1.11E-09	1.66E-10	6.15E-10	5.41E-11	8.35E-10	1.88E-11	1.08E-10	1.28E-11	1.39E-10	1.71E-11	5.64E-11	3.89E-12	7.74E-11
9923	471680.46	3819507	2.01E-10	8.42E-10	7.58E-11	1.12E-09	1.67E-10	6.19E-10	5.44E-11	8.40E-10	1.89E-11	1.08E-10	1.29E-11	1.40E-10	1.72E-11	5.68E-11	3.91E-12	7.79E-11
9924	471676.71	3819515.8	2.02E-10	8.47E-10	7.63E-11	1.13E-09	1.68E-10	6.23E-10	5.48E-11	8.45E-10	1.91E-11	1.09E-10	1.30E-11	1.41E-10	1.73E-11	5.71E-11	3.94E-12	7.84E-11
9925	471672.97	3819524.6	2.03E-10	8.52E-10	7.68E-11	1.13E-09	1.69E-10	6.26E-10	5.51E-11	8.51E-10	1.92E-11	1.10E-10	1.31E-11	1.42E-10	1.74E-11	5.75E-11	3.96E-12	7.88E-11
9926	471669.22	3819533.4	2.04E-10	8.58E-10	7.72E-11	1.14E-09	1.70E-10	6.30E-10	5.54E-11	8.56E-10	1.93E-11	1.10E-10	1.32E-11	1.43E-10	1.75E-11	5.78E-11	3.99E-12	7.93E-11
9927	471665.47	3819542.2	2.05E-10	8.63E-10	7.77E-11	1.15E-09	1.71E-10	6.34E-10	5.58E-11	8.61E-10	1.94E-11	1.11E-10	1.33E-11	1.44E-10	1.76E-11	5.82E-11	4.01E-12	7.98E-11
9928	471661.72	3819551	2.07E-10	8.68E-10	7.82E-11	1.15E-09	1.72E-10	6.38E-10	5.61E-11	8.66E-10	1.95E-11	1.12E-10	1.33E-11	1.45E-10	1.77E-11	5.85E-11	4.03E-12	8.03E-11
9929	471657.98	3819559.8	2.08E-10	8.73E-10	7.86E-11	1.16E-09	1.73E-10	6.41E-10	5.64E-11	8.71E-10	1.96E-11	1.12E-10	1.34E-11	1.45E-10	1.78E-11	5.88E-11	4.06E-12	8.07E-11
9930	471654.23	3819568.6	2.09E-10	8.78E-10	7.90E-11	1.17E-09	1.74E-10	6.45E-10	5.67E-11	8.76E-10	1.97E-11	1.13E-10	1.35E-11	1.46E-10	1.79E-11	5.91E-11	4.08E-12	8.12E-11
9931	471650.48	3819577.4	2.1E-10	8.82E-10	7.95E-11	1.17E-09	1.75E-10	6.48E-10	5.70E-11	8.81E-10	1.98E-11	1.14E-10	1.36E-11	1.47E-10	1.80E-11	5.95E-11	4.10E-12	8.16E-11
9932	471646.73	3819586.2	2.11E-10	8.87E-10	7.99E-11	1.18E-09	1.76E-10	6.52E-10	5.73E-11	8.85E-10	1.99E-11	1.14E-10	1.36E-11	1.48E-10	1.81E-11	5.98E-11	4.12E-12	8.21E-11
9933	471642.99	3819595	2.12E-10	8.92E-10	8.03E-11	1.18E-09	1.77E-10	6.56E-10	5.77E-11	8.90E-10	2.01E-11	1.15E-10	1.37E-11	1.49E-10	1.82E-11	6.01E-11	4.15E-12	8.25E-11
9934	471635.49	3819612.6	2.15E-10	9.02E-10	8.12E-11	1.20E-09	1.79E-10	6.62E-10	5.83E-11	9.00E-10	2.03E-11	1.16E-10	1.38E-11	1.50E-10	1.84E-11	6.08E-11	4.19E-12	8.34E-11
9935	471631.74	3819621.4	2.16E-10	9.06E-10	8.16E-11	1.20E-09	1.80E-10	6.66E-10	5.86E-11	9.04E-10	2.04E-11	1.17E-10	1.39E-11	1.51E-10	1.85E-11	6.11E-11	4.21E-12	8.38E-11
9936	471628	3819630.2	2.17E-10	9.11E-10	8.20E-11	1.21E-09	1.81E-10	6.69E-10	5.89E-11	9.09E-10	2.05E-11	1.17E-10	1.40E-11	1.52E-10	1.86E-11	6.14E-11	4.23E-12	8.42E-11
9937	471624.25	3819639	2.18E-10	9.15E-10	8.24E-11	1.22E-09	1.82E-10	6.73E-10	5.92E-11	9.13E-10	2.06E-11	1.18E-10	1.41E-11	1.52E-10	1.87E-11	6.17E-11	4.25E-12	8.47E-11
9938	471620.5	3819647.8	2.19E-10	9.20E-10	8.28E-11	1.22E-09	1.82E-10	6.76E-10	5.95E-11	9.18E-10	2.07E-11	1.18E-10	1.41E-11	1.53E-10	1.88E-11	6.20E-11	4.27E-12	8.51E-11
9939	471616.75	3819656.59	2.2E-10	9.24E-10	8.33E-11	1.23E-09	1.83E-10	6.79E-10	5.98E-11	9.22E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.23E-11	4.30E-12	8.55E-11
9940	471613.01	3819665.39	2.21E-10	9.29E-10	8.37E-11	1.23E-09	1.84E-10	6.83E-10	6.00E-11	9.27E-10	2.09E-11	1.20E-10	1.43E-11	1.55E-10	1.90E-11	6.26E-11	4.32E-12	8.59E-11
9941	471609.26	3819674.19	2.22E-10	9.33E-10	8.41E-11	1.24E-09	1.85E-10	6.86E-10	6.03E-11	9.31E-10	2.10E-11	1.20E-10	1.43E-11	1.55E-10	1.91E-11	6.29E-11	4.34E-12	8.63E-11
9942	471605.51	3819682.99	2.23E-10	9.38E-10	8.45E-11	1.25E-09	1.86E-10	6.89E-10	6.06E-11	9.36E-10	2.11E-11	1.21E-10	1.44E-11	1.56E-10	1.92E-11	6.32E-11	4.36E-12	8.67E-11
9943	471601.76	3819691.79	2.24E-10	9.42E-10	8.49E-11	1.25E-09	1.87E-10	6.92E-10	6.09E-11	9.40E-10	2.12E-11	1.21E-10	1.45E-11	1.57E-10	1.93E-11	6.35E-11	4.38E-12	8.71E-11
9944	471598.02	3819700.59	2.25E-10	9.46E-10	8.52E-11	1.26E-09	1.88E-10	6.95E-10	6.12E-11	9.44E-10	2.13E-11	1.22E-10	1.45E-11	1.58E-10	1.93E-11	6.38E-11	4.40E-12	8.75E-11
9945	471594.27	3819709.39	2.26E-10	9.51E-10	8.56E-11	1.26E-09	1.89E-10	6.99E-10	6.15E-11	9.49E-10	2.14E-11	1.22E-10	1.46E-11	1.58E-10	1.94E-11	6.41E-11	4.42E-12	8.79E-11
9946	471590.52	3819718.19	2.27E-10	9.55E-10	8.60E-11	1.27E-09	1.89E-10	7.02E-10	6.17E-11	9.53E-10	2.15E-11	1.23E-10	1.47E-11	1.59E-10	1.95E-11	6.44E-11	4.44E-12	8.83E-11

9947	471586.77	3819726.99	2.28E-10	9.59E-10	8.64E-11	1.27E-09	1.90E-10	7.05E-10	6.20E-11	9.57E-10	2.16E-11	1.24E-10	1.47E-11	1.60E-10	1.96E-11	6.47E-11	4.46E-12	8.87E-11
9948	471583.03	3819735.79	2.29E-10	9.64E-10	8.68E-11	1.28E-09	1.91E-10	7.08E-10	6.23E-11	9.61E-10	2.17E-11	1.24E-10	1.48E-11	1.61E-10	1.97E-11	6.50E-11	4.48E-12	8.91E-11
9949	471579.28	3819744.59	2.3E-10	9.68E-10	8.71E-11	1.29E-09	1.92E-10	7.11E-10	6.25E-11	9.65E-10	2.18E-11	1.25E-10	1.49E-11	1.61E-10	1.98E-11	6.52E-11	4.50E-12	8.95E-11
9950	471575.53	3819753.39	2.31E-10	9.72E-10	8.75E-11	1.29E-09	1.93E-10	7.14E-10	6.28E-11	9.70E-10	2.18E-11	1.25E-10	1.49E-11	1.62E-10	1.99E-11	6.55E-11	4.51E-12	8.99E-11
9951	471571.78	3819762.19	2.32E-10	9.76E-10	8.79E-11	1.30E-09	1.94E-10	7.17E-10	6.31E-11	9.73E-10	2.19E-11	1.26E-10	1.50E-11	1.63E-10	1.99E-11	6.58E-11	4.53E-12	9.02E-11
9952	471568.04	3819770.99	2.33E-10	9.80E-10	8.82E-11	1.30E-09	1.94E-10	7.20E-10	6.33E-11	9.77E-10	2.20E-11	1.26E-10	1.50E-11	1.63E-10	2.00E-11	6.60E-11	4.55E-12	9.06E-11
9953	471564.29	3819779.79	2.34E-10	9.83E-10	8.85E-11	1.31E-09	1.95E-10	7.22E-10	6.36E-11	9.81E-10	2.21E-11	1.27E-10	1.51E-11	1.64E-10	2.01E-11	6.63E-11	4.57E-12	9.09E-11
9954	471549.3	3819814.99	2.37E-10	9.97E-10	8.98E-11	1.32E-09	1.98E-10	7.33E-10	6.44E-11	9.95E-10	2.24E-11	1.28E-10	1.53E-11	1.66E-10	2.04E-11	6.72E-11	4.63E-12	9.22E-11
9955	471545.55	3819823.79	2.38E-10	1.00E-09	9.01E-11	1.33E-09	1.98E-10	7.35E-10	6.46E-11	9.98E-10	2.25E-11	1.29E-10	1.54E-11	1.67E-10	2.04E-11	6.74E-11	4.65E-12	9.25E-11
9956	471541.8	3819832.59	2.39E-10	1.00E-09	9.03E-11	1.33E-09	1.99E-10	7.37E-10	6.48E-11	1.00E-09	2.26E-11	1.29E-10	1.54E-11	1.67E-10	2.05E-11	6.76E-11	4.66E-12	9.28E-11
9957	471538.06	3819841.38	2.39E-10	1.01E-09	9.06E-11	1.34E-09	1.99E-10	7.39E-10	6.50E-11	1.00E-09	2.26E-11	1.29E-10	1.54E-11	1.68E-10	2.06E-11	6.78E-11	4.67E-12	9.30E-11
9958	471534.31	3819850.18	2.4E-10	1.01E-09	9.08E-11	1.34E-09	2.00E-10	7.41E-10	6.52E-11	1.01E-09	2.27E-11	1.30E-10	1.55E-11	1.68E-10	2.06E-11	6.80E-11	4.68E-12	9.33E-11
9959	471530.56	3819858.98	2.41E-10	1.01E-09	9.10E-11	1.34E-09	2.00E-10	7.43E-10	6.53E-11	1.01E-09	2.27E-11	1.30E-10	1.55E-11	1.68E-10	2.07E-11	6.81E-11	4.70E-12	9.35E-11
9960	471526.81	3819867.78	2.41E-10	1.01E-09	9.12E-11	1.35E-09	2.01E-10	7.44E-10	6.55E-11	1.01E-09	2.28E-11	1.30E-10	1.56E-11	1.69E-10	2.07E-11	6.83E-11	4.71E-12	9.37E-11
9961	471523.07	3819876.58	2.42E-10	1.02E-09	9.14E-11	1.35E-09	2.01E-10	7.46E-10	6.56E-11	1.01E-09	2.28E-11	1.31E-10	1.56E-11	1.69E-10	2.07E-11	6.84E-11	4.72E-12	9.39E-11
9962	471519.32	3819885.38	2.42E-10	1.02E-09	9.16E-11	1.35E-09	2.02E-10	7.47E-10	6.57E-11	1.01E-09	2.29E-11	1.31E-10	1.56E-11	1.69E-10	2.08E-11	6.85E-11	4.72E-12	9.40E-11
9963	471515.57	3819894.18	2.43E-10	1.02E-09	9.17E-11	1.35E-09	2.02E-10	7.48E-10	6.58E-11	1.02E-09	2.29E-11	1.31E-10	1.56E-11	1.70E-10	2.08E-11	6.86E-11	4.73E-12	9.42E-11
9964	471511.82	3819902.98	2.43E-10	1.02E-09	9.18E-11	1.35E-09	2.02E-10	7.49E-10	6.59E-11	1.02E-09	2.29E-11	1.31E-10	1.57E-11	1.70E-10	2.08E-11	6.87E-11	4.74E-12	9.43E-11
9965	471508.08	3819911.78	2.43E-10	1.02E-09	9.19E-11	1.36E-09	2.03E-10	7.50E-10	6.60E-11	1.02E-09	2.30E-11	1.31E-10	1.57E-11	1.70E-10	2.09E-11	6.88E-11	4.74E-12	9.44E-11
9966	471504.33	3819920.58	2.43E-10	1.02E-09	9.20E-11	1.36E-09	2.03E-10	7.51E-10	6.60E-11	1.02E-09	2.30E-11	1.32E-10	1.57E-11	1.70E-10	2.09E-11	6.89E-11	4.75E-12	9.45E-11
9967	471500.58	3819929.38	2.44E-10	1.02E-09	9.21E-11	1.36E-09	2.03E-10	7.51E-10	6.61E-11	1.02E-09	2.30E-11	1.32E-10	1.57E-11	1.70E-10	2.09E-11	6.89E-11	4.75E-12	9.46E-11
9968	471496.83	3819938.18	2.44E-10	1.02E-09	9.22E-11	1.36E-09	2.03E-10	7.52E-10	6.62E-11	1.02E-09	2.30E-11	1.32E-10	1.57E-11	1.70E-10	2.09E-11	6.90E-11	4.75E-12	9.47E-11
9969	471493.09	3819946.98	2.44E-10	1.02E-09	9.22E-11	1.36E-09	2.03E-10	7.52E-10	6.62E-11	1.02E-09	2.30E-11	1.32E-10	1.57E-11	1.71E-10	2.09E-11	6.90E-11	4.76E-12	9.47E-11
9970	471489.34	3819955.78	2.44E-10	1.02E-09	9.22E-11	1.36E-09	2.03E-10	7.52E-10	6.62E-11	1.02E-09	2.30E-11	1.32E-10	1.57E-11	1.71E-10	2.09E-11	6.90E-11	4.76E-12	9.47E-11
9971	471485.59	3819964.58	2.44E-10	1.02E-09	9.22E-11	1.36E-09	2.03E-10	7.52E-10	6.62E-11	1.02E-09	2.30E-11	1.32E-10	1.57E-11	1.71E-10	2.09E-11	6.90E-11	4.76E-12	9.47E-11
9972	471481.84	3819973.38	2.44E-10	1.02E-09	9.22E-11	1.36E-09	2.03E-10	7.52E-10	6.62E-11	1.02E-09	2.30E-11	1.32E-10	1.57E-11	1.71E-10	2.09E-11	6.90E-11	4.76E-12	9.47E-11
9973	471478.1	3819982.18	2.44E-10	1.02E-09	9.22E-11	1.36E-09	2.03E-10	7.52E-10	6.62E-11	1.02E-09	2.30E-11	1.32E-10	1.57E-11	1.70E-10	2.09E-11	6.90E-11	4.75E-12	9.47E-11
9974	471474.35	3819990.98	2.44E-10	1.02E-09	9.21E-11	1.36E-09	2.03E-10	7.52E-10	6.61E-11	1.02E-09	2.30E-11	1.32E-10	1.57E-11	1.70E-10	2.09E-11	6.89E-11	4.75E-12	9.46E-11
9975	471470.6	3819999.78	2.43E-10	1.02E-09	9.20E-11	1.36E-09	2.03E-10	7.51E-10	6.61E-11	1.02E-09	2.30E-11	1.32E-10	1.57E-11	1.70E-10	2.09E-11	6.89E-11	4.75E-12	9.45E-11
9976	471466.85	3820008.58	2.43E-10	1.02E-09	9.20E-11	1.36E-09	2.03E-10	7.50E-10	6.60E-11	1.02E-09	2.30E-11	1.31E-10	1.57E-11	1.70E-10	2.09E-11	6.88E-11	4.75E-12	9.45E-11
9977	471463.11	3820017.38	2.43E-10	1.02E-09	9.19E-11	1.36E-09	2.02E-10	7.50E-10	6.60E-11	1.02E-09	2.29E-11	1.31E-10	1.57E-11	1.70E-10	2.09E-11	6.88E-11	4.74E-12	9.44E-11
9978	471459.36	3820026.17	2.43E-10	1.02E-09	9.18E-11	1.35E-09	2.02E-10	7.49E-10	6.59E-11	1.02E-09	2.29E-11	1.31E-10	1.57E-11	1.70E-10	2.08E-11	6.87E-11	4.74E-12	9.43E-11
9979	471455.61	3820034.97	2.43E-10	1.02E-09	9.17E-11	1.35E-09	2.02E-10	7.48E-10	6.58E-11	1.02E-09	2.29E-11	1.31E-10	1.56E-11	1.70E-10	2.08E-11	6.86E-11	4.73E-12	9.42E-11
9980	471451.86	3820043.77	2.42E-10	1.02E-09	9.16E-11	1.35E-09	2.02E-10	7.47E-10	6.57E-11	1.01E-09	2.29E-11	1.31E-10	1.56E-11	1.69E-10	2.08E-11	6.86E-11	4.73E-12	9.41E-11
9981	471448.12	3820052.57	2.42E-10	1.02E-09	9.15E-11	1.35E-09	2.01E-10	7.46E-10	6.57E-11	1.01E-09	2.28E-11	1.31E-10	1.56E-11	1.69E-10	2.08E-11	6.85E-11	4.72E-12	9.40E-11
9982	471444.37	3820061.37	2.42E-10	1.01E-09	9.14E-11	1.35E-09	2.01E-10	7.45E-10	6.56E-11	1.01E-09	2.28E-11	1.31E-10	1.56E-11	1.69E-10	2.07E-11	6.84E-11	4.71E-12	9.38E-11
9983	471440.62	3820070.17	2.41E-10	1.01E-09	9.12E-11	1.35E-09	2.01E-10	7.44E-10	6.55E-11	1.01E-09	2.28E-11	1.30E-10	1.56E-11	1.69E-10	2.07E-11	6.83E-11	4.71E-12	9.37E-11
9984	471436.87	3820078.97	2.41E-10	1.01E-09	9.11E-11	1.34E-09	2.01E-10	7.43E-10	6.54E-11	1.01E-09	2.27E-11	1.30E-10	1.55E-11	1.69E-10	2.07E-11	6.82E-11	4.70E-12	9.36E-11
9985	471433.13	3820087.77	2.41E-10	1.01E-09	9.10E-11	1.34E-09	2.00E-10	7.42E-10	6.53E-11	1.01E-09	2.27E-11	1.30E-10	1.55E-11	1.68E-10	2.06E-11	6.81E-11	4.69E-12	9.34E-11
9986	471429.38	3820096.57	2.4E-10	1.01E-09	9.08E-11	1.34E-09	2.00E-10	7.41E-10	6.52E-11	1.01E-09	2.27E-11	1.30E-10	1.55E-11	1.68E-10	2.06E-11	6.80E-11	4.69E-12	9.33E-11
9987	471425.63	3820105.37	2.4E-10	1.01E-09	9.07E-11	1.34E-09	2.00E-10	7.40E-10	6.51E-11	1.00E-09	2.26E-11	1.30E-10	1.55E-11	1.68E-10	2.06E-11	6.79E-11	4.68E-12	9.31E-11
9988	471421.88	3820114.17	2.39E-10	1.01E-09	9.05E-11	1.34E-09	1.99E-10	7.39E-10	6.50E-11	1.00E-09	2.26E-11	1.29E-10	1.54E-11	1.67E-10	2.06E-11	6.78E-11	4.67E-12	9.30E-11
9989	471418.14	3820122.97	2.39E-10	1.00E-09	9.04E-11	1.33E-09	1.99E-10	7.37E-10	6.49E-11	1.00E-09	2.26E-11	1.29E-10	1.54E-11	1.67E-10	2.05E-11	6.76E-11	4.66E-12	9.28E-11
9990	471414.39	3820131.77	2.39E-10	1.00E-09	9.02E-11	1.33E-09	1.99E-10	7.36E-10	6.48E-11	1.00E-09	2.25E-11	1.29E-10	1.54E-11	1.67E-10	2.05E-11	6.75E-11	4.66E-12	9.27E-11
9991	471410.64	3820140.57	2.38E-10	1.00E-09	9.01E-11	1.33E-09	1.98E-10	7.35E-10	6.47E-11	9.98E-10	2.25E-11	1.29E-10	1.54E-11	1.67E-10	2.05E-11	6.74E-11	4.65E-12	9.25E-11
9992	471406.89	3820149.37	2.38E-10	9.99E-10	9.00E-11	1.33E-09	1.98E-10	7.34E-10	6.46E-11	9.97E-10	2.25E-11	1.29E-10	1.53E-11	1.66E-10	2.04E-11	6.73E-11	4.64E-12	9.24E-11
9993	471403.15	3820158.17	2.37E-10	9.97E-10	8.98E-11	1.32E-09	1.98E-10	7.33E-10	6.44E-11	9.95E-10	2.24E-11	1.28E-10	1.53E-11	1.66E-10	2.04E-11	6.72E-11	4.63E-12	9.22E-11
9994	471399.4	3820166.97	2.37E-10	9.96E-10	8.97E-11	1.32E-09	1.97E-10	7.32E-10	6.44E-11	9.94E-10	2.24E-11	1.28E-10	1.53E-11	1.66E-10	2.04E-11	6.71E-11	4.63E-12	9.21E-11
9995	471395.65	3820175.77	2.37E-10	9.94E-10	8.95E-11	1.32E-09	1.97E-10	7.30E-10	6.43E-11	9.92E-10	2.24E-11	1.28E-10	1.53E-11	1.66E-10	2.03E-11	6.70E-11	4.62E-12	9.19E-11
9996	471391.9	3820184.57	2.36E-10	9.93E-10	8.94E-11	1.32E-09	1.97E-10	7.29E-10	6.42E-11	9.90E-10	2.23E-11	1.28E-10	1.52E-11	1.65E-10	2.03E-11	6.69E-11	4.61E-12	9.18E-11

9997	471388.16	3820193.37	2.36E-10	9.91E-10	8.92E-11	1.32E-09	1.97E-10	7.28E-10	6.41E-11	9.89E-10	2.23E-11	1.28E-10	1.52E-11	1.65E-10	2.03E-11	6.68E-11	4.60E-12	9.17E-11
9998	471384.41	3820202.17	2.36E-10	9.89E-10	8.91E-11	1.31E-09	1.96E-10	7.27E-10	6.40E-11	9.87E-10	2.22E-11	1.27E-10	1.52E-11	1.65E-10	2.02E-11	6.67E-11	4.60E-12	9.15E-11
9999	471380.66	3820210.97	2.35E-10	9.88E-10	8.90E-11	1.31E-09	1.96E-10	7.26E-10	6.39E-11	9.86E-10	2.22E-11	1.27E-10	1.52E-11	1.65E-10	2.02E-11	6.66E-11	4.59E-12	9.14E-11
10000	471376.91	3820219.76	2.35E-10	9.86E-10	8.88E-11	1.31E-09	1.96E-10	7.25E-10	6.38E-11	9.84E-10	2.22E-11	1.27E-10	1.51E-11	1.64E-10	2.02E-11	6.65E-11	4.58E-12	9.12E-11
10001	471373.17	3820228.56	2.35E-10	9.85E-10	8.87E-11	1.31E-09	1.95E-10	7.24E-10	6.37E-11	9.83E-10	2.21E-11	1.27E-10	1.51E-11	1.64E-10	2.01E-11	6.64E-11	4.58E-12	9.11E-11
10002	471369.42	3820237.36	2.34E-10	9.84E-10	8.86E-11	1.31E-09	1.95E-10	7.23E-10	6.36E-11	9.82E-10	2.21E-11	1.27E-10	1.51E-11	1.64E-10	2.01E-11	6.63E-11	4.57E-12	9.10E-11
10003	471365.67	3820246.16	2.34E-10	9.82E-10	8.85E-11	1.30E-09	1.95E-10	7.22E-10	6.35E-11	9.80E-10	2.21E-11	1.26E-10	1.51E-11	1.64E-10	2.01E-11	6.62E-11	4.56E-12	9.09E-11
10004	471361.92	3820254.96	2.34E-10	9.81E-10	8.83E-11	1.30E-09	1.95E-10	7.21E-10	6.34E-11	9.79E-10	2.21E-11	1.26E-10	1.51E-11	1.63E-10	2.01E-11	6.61E-11	4.56E-12	9.07E-11
10005	471358.18	3820263.76	2.33E-10	9.79E-10	8.82E-11	1.30E-09	1.94E-10	7.20E-10	6.33E-11	9.77E-10	2.20E-11	1.26E-10	1.50E-11	1.63E-10	2.00E-11	6.60E-11	4.55E-12	9.06E-11
10006	471354.43	3820272.56	2.33E-10	9.77E-10	8.80E-11	1.30E-09	1.94E-10	7.18E-10	6.32E-11	9.75E-10	2.20E-11	1.26E-10	1.50E-11	1.63E-10	2.00E-11	6.59E-11	4.54E-12	9.04E-11
10007	471350.68	3820281.36	2.32E-10	9.76E-10	8.79E-11	1.30E-09	1.94E-10	7.17E-10	6.31E-11	9.74E-10	2.19E-11	1.26E-10	1.50E-11	1.63E-10	2.00E-11	6.58E-11	4.54E-12	9.03E-11
10008	471346.93	3820290.16	2.32E-10	9.75E-10	8.78E-11	1.29E-09	1.93E-10	7.16E-10	6.30E-11	9.72E-10	2.19E-11	1.25E-10	1.50E-11	1.62E-10	1.99E-11	6.57E-11	4.53E-12	9.01E-11
10009	471343.19	3820298.96	2.32E-10	9.73E-10	8.76E-11	1.29E-09	1.93E-10	7.15E-10	6.29E-11	9.71E-10	2.19E-11	1.25E-10	1.49E-11	1.62E-10	1.99E-11	6.56E-11	4.52E-12	9.00E-11
10010	471339.44	3820307.76	2.31E-10	9.71E-10	8.75E-11	1.29E-09	1.93E-10	7.14E-10	6.28E-11	9.69E-10	2.18E-11	1.25E-10	1.49E-11	1.62E-10	1.99E-11	6.55E-11	4.51E-12	8.98E-11
10011	471335.69	3820316.56	2.31E-10	9.70E-10	8.73E-11	1.29E-09	1.92E-10	7.12E-10	6.27E-11	9.67E-10	2.18E-11	1.25E-10	1.49E-11	1.62E-10	1.98E-11	6.54E-11	4.51E-12	8.97E-11
10012	471331.94	3820325.36	2.31E-10	9.68E-10	8.72E-11	1.29E-09	1.92E-10	7.11E-10	6.26E-11	9.66E-10	2.18E-11	1.25E-10	1.49E-11	1.61E-10	1.98E-11	6.52E-11	4.50E-12	8.95E-11
10013	471328.2	3820334.16	2.3E-10	9.66E-10	8.70E-11	1.28E-09	1.92E-10	7.10E-10	6.25E-11	9.64E-10	2.17E-11	1.24E-10	1.48E-11	1.61E-10	1.98E-11	6.51E-11	4.49E-12	8.94E-11
10014	471324.45	3820342.96	2.3E-10	9.64E-10	8.68E-11	1.28E-09	1.91E-10	7.09E-10	6.23E-11	9.62E-10	2.17E-11	1.24E-10	1.48E-11	1.61E-10	1.97E-11	6.50E-11	4.48E-12	8.92E-11
10015	471320.7	3820351.76	2.29E-10	9.62E-10	8.67E-11	1.28E-09	1.91E-10	7.07E-10	6.22E-11	9.60E-10	2.16E-11	1.24E-10	1.48E-11	1.60E-10	1.97E-11	6.49E-11	4.47E-12	8.90E-11
10016	471316.95	3820360.56	2.29E-10	9.60E-10	8.65E-11	1.28E-09	1.91E-10	7.06E-10	6.21E-11	9.58E-10	2.16E-11	1.24E-10	1.48E-11	1.60E-10	1.96E-11	6.47E-11	4.46E-12	8.88E-11
10017	471313.21	3820369.36	2.28E-10	9.58E-10	8.63E-11	1.27E-09	1.90E-10	7.04E-10	6.20E-11	9.56E-10	2.16E-11	1.23E-10	1.47E-11	1.60E-10	1.96E-11	6.46E-11	4.45E-12	8.86E-11
10018	471309.46	3820378.16	2.28E-10	9.56E-10	8.61E-11	1.27E-09	1.90E-10	7.03E-10	6.18E-11	9.54E-10	2.15E-11	1.23E-10	1.47E-11	1.59E-10	1.95E-11	6.44E-11	4.44E-12	8.84E-11
10019	471305.71	3820386.96	2.27E-10	9.54E-10	8.59E-11	1.27E-09	1.89E-10	7.01E-10	6.17E-11	9.52E-10	2.15E-11	1.23E-10	1.47E-11	1.59E-10	1.95E-11	6.43E-11	4.43E-12	8.82E-11
10020	471301.96	3820395.76	2.27E-10	9.51E-10	8.57E-11	1.26E-09	1.89E-10	6.99E-10	6.15E-11	9.49E-10	2.14E-11	1.22E-10	1.46E-11	1.58E-10	1.94E-11	6.41E-11	4.42E-12	8.80E-11
10021	471298.22	3820404.55	2.26E-10	9.49E-10	8.54E-11	1.26E-09	1.88E-10	6.97E-10	6.13E-11	9.47E-10	2.13E-11	1.22E-10	1.46E-11	1.58E-10	1.94E-11	6.39E-11	4.41E-12	8.77E-11
10022	471294.47	3820413.35	2.25E-10	9.46E-10	8.52E-11	1.26E-09	1.88E-10	6.95E-10	6.11E-11	9.44E-10	2.13E-11	1.22E-10	1.45E-11	1.58E-10	1.93E-11	6.38E-11	4.39E-12	8.75E-11
10023	471290.72	3820422.15	2.25E-10	9.43E-10	8.49E-11	1.25E-09	1.87E-10	6.93E-10	6.10E-11	9.41E-10	2.12E-11	1.21E-10	1.45E-11	1.57E-10	1.93E-11	6.36E-11	4.38E-12	8.72E-11
10024	471286.97	3820430.95	2.24E-10	9.40E-10	8.47E-11	1.25E-09	1.86E-10	6.91E-10	6.08E-11	9.38E-10	2.11E-11	1.21E-10	1.44E-11	1.57E-10	1.92E-11	6.34E-11	4.37E-12	8.70E-11
10025	471283.23	3820439.75	2.23E-10	9.37E-10	8.44E-11	1.24E-09	1.86E-10	6.89E-10	6.06E-11	9.35E-10	2.11E-11	1.21E-10	1.44E-11	1.56E-10	1.92E-11	6.32E-11	4.35E-12	8.67E-11
10026	471279.48	3820448.55	2.23E-10	9.34E-10	8.41E-11	1.24E-09	1.85E-10	6.87E-10	6.04E-11	9.32E-10	2.10E-11	1.20E-10	1.44E-11	1.56E-10	1.91E-11	6.30E-11	4.34E-12	8.64E-11
10027	471275.73	3820457.35	2.22E-10	9.31E-10	8.39E-11	1.24E-09	1.85E-10	6.84E-10	6.02E-11	9.29E-10	2.09E-11	1.20E-10	1.43E-11	1.55E-10	1.90E-11	6.28E-11	4.33E-12	8.61E-11
10028	471263.1	3820469.7	2.22E-10	9.33E-10	8.40E-11	1.24E-09	1.85E-10	6.86E-10	6.03E-11	9.31E-10	2.10E-11	1.20E-10	1.43E-11	1.55E-10	1.91E-11	6.29E-11	4.34E-12	8.63E-11
10029	471254.22	3820473.25	2.23E-10	9.38E-10	8.45E-11	1.25E-09	1.86E-10	6.89E-10	6.06E-11	9.36E-10	2.11E-11	1.21E-10	1.44E-11	1.56E-10	1.92E-11	6.32E-11	4.36E-12	8.67E-11
10030	471245.34	3820476.8	2.24E-10	9.42E-10	8.49E-11	1.25E-09	1.87E-10	6.92E-10	6.09E-11	9.40E-10	2.12E-11	1.21E-10	1.45E-11	1.57E-10	1.93E-11	6.35E-11	4.38E-12	8.71E-11
10031	471236.46	3820480.35	2.25E-10	9.47E-10	8.53E-11	1.26E-09	1.88E-10	6.96E-10	6.12E-11	9.45E-10	2.13E-11	1.22E-10	1.45E-11	1.58E-10	1.94E-11	6.38E-11	4.40E-12	8.76E-11
10032	471227.58	3820483.89	2.27E-10	9.51E-10	8.57E-11	1.26E-09	1.89E-10	6.99E-10	6.15E-11	9.49E-10	2.14E-11	1.22E-10	1.46E-11	1.58E-10	1.94E-11	6.41E-11	4.42E-12	8.80E-11
10033	471218.7	3820487.44	2.28E-10	9.56E-10	8.61E-11	1.27E-09	1.90E-10	7.02E-10	6.18E-11	9.54E-10	2.15E-11	1.23E-10	1.47E-11	1.59E-10	1.95E-11	6.44E-11	4.44E-12	8.84E-11
10034	471209.81	3820490.99	2.29E-10	9.60E-10	8.64E-11	1.27E-09	1.90E-10	7.05E-10	6.21E-11	9.58E-10	2.16E-11	1.24E-10	1.47E-11	1.60E-10	1.96E-11	6.47E-11	4.46E-12	8.88E-11
10035	471200.93	3820494.54	2.3E-10	9.64E-10	8.68E-11	1.28E-09	1.91E-10	7.08E-10	6.23E-11	9.62E-10	2.17E-11	1.24E-10	1.48E-11	1.61E-10	1.97E-11	6.50E-11	4.48E-12	8.92E-11
10036	471192.05	3820498.09	2.31E-10	9.68E-10	8.72E-11	1.29E-09	1.92E-10	7.12E-10	6.26E-11	9.66E-10	2.18E-11	1.25E-10	1.49E-11	1.61E-10	1.98E-11	6.53E-11	4.50E-12	8.96E-11
10037	471183.17	3820501.64	2.32E-10	9.72E-10	8.76E-11	1.29E-09	1.93E-10	7.15E-10	6.29E-11	9.70E-10	2.19E-11	1.25E-10	1.49E-11	1.62E-10	1.99E-11	6.55E-11	4.52E-12	8.99E-11
10038	471174.29	3820505.19	2.33E-10	9.76E-10	8.79E-11	1.30E-09	1.94E-10	7.17E-10	6.31E-11	9.74E-10	2.20E-11	1.26E-10	1.50E-11	1.63E-10	2.00E-11	6.58E-11	4.54E-12	9.03E-11
10039	471165.41	3820508.73	2.33E-10	9.80E-10	8.83E-11	1.30E-09	1.94E-10	7.20E-10	6.34E-11	9.78E-10	2.20E-11	1.26E-10	1.51E-11	1.63E-10	2.00E-11	6.61E-11	4.55E-12	9.07E-11
10040	471156.52	3820512.28	2.34E-10	9.84E-10	8.86E-11	1.31E-09	1.95E-10	7.23E-10	6.36E-11	9.82E-10	2.21E-11	1.27E-10	1.51E-11	1.64E-10	2.01E-11	6.63E-11	4.57E-12	9.10E-11
10041	471147.64	3820515.83	2.35E-10	9.88E-10	8.90E-11	1.31E-09	1.96E-10	7.26E-10	6.39E-11	9.86E-10	2.22E-11	1.27E-10	1.52E-11	1.65E-10	2.02E-11	6.66E-11	4.59E-12	9.14E-11
10042	471138.76	3820519.38	2.36E-10	9.92E-10	8.93E-11	1.32E-09	1.97E-10	7.29E-10	6.41E-11	9.90E-10	2.23E-11	1.28E-10	1.52E-11	1.65E-10	2.03E-11	6.69E-11	4.61E-12	9.18E-11
10043	471129.88	3820522.93	2.37E-10	9.96E-10	8.97E-11	1.32E-09	1.97E-10	7.32E-10	6.44E-11	9.94E-10	2.24E-11	1.28E-10	1.53E-11	1.66E-10	2.04E-11	6.71E-11	4.63E-12	9.21E-11
10044	471121	3820526.48	2.38E-10	1.00E-09	9.00E-11	1.33E-09	1.98E-10	7.35E-10	6.46E-11	9.97E-10	2.25E-11	1.29E-10	1.54E-11	1.67E-10	2.04E-11	6.74E-11	4.64E-12	9.25E-11
10045	471112.12	3820530.03	2.39E-10	1.00E-09	9.03E-11	1.33E-09	1.99E-10	7.37E-10	6.49E-11	1.00E-09	2.26E-11	1.29E-10	1.54E-11	1.67E-10	2.05E-11	6.76E-11	4.66E-12	9.28E-11
10046	471049.95	3820554.87	2.46E-10	1.03E-09	9.29E-11	1.37E-09	2.05E-10	7.58E-10	6.67E-11	1.03E-09	2.32E-11	1.33E-10	1.58E-11	1.72E-10	2.11E-11	6.95E-11	4.79E-12	9.54E-11

10047	471041.06	3820558.42	2.47E-10	1.04E-09	9.33E-11	1.38E-09	2.06E-10	7.61E-10	6.70E-11	1.03E-09	2.33E-11	1.33E-10	1.59E-11	1.73E-10	2.12E-11	6.98E-11	4.81E-12	9.58E-11
10048	471032.18	3820561.96	2.48E-10	1.04E-09	9.37E-11	1.38E-09	2.06E-10	7.64E-10	6.72E-11	1.04E-09	2.34E-11	1.34E-10	1.60E-11	1.73E-10	2.13E-11	7.01E-11	4.83E-12	9.62E-11
10049	471023.3	3820565.51	2.49E-10	1.05E-09	9.41E-11	1.39E-09	2.07E-10	7.68E-10	6.76E-11	1.04E-09	2.35E-11	1.35E-10	1.61E-11	1.74E-10	2.14E-11	7.04E-11	4.86E-12	9.67E-11
10050	471014.42	3820569.06	2.5E-10	1.05E-09	9.45E-11	1.39E-09	2.08E-10	7.71E-10	6.78E-11	1.05E-09	2.36E-11	1.35E-10	1.61E-11	1.75E-10	2.15E-11	7.07E-11	4.88E-12	9.71E-11
10051	471005.54	3820572.61	2.51E-10	1.05E-09	9.50E-11	1.40E-09	2.09E-10	7.75E-10	6.82E-11	1.05E-09	2.37E-11	1.36E-10	1.62E-11	1.76E-10	2.16E-11	7.11E-11	4.90E-12	9.75E-11
10052	470996.66	3820576.16	2.52E-10	1.06E-09	9.55E-11	1.41E-09	2.10E-10	7.79E-10	6.85E-11	1.06E-09	2.38E-11	1.36E-10	1.63E-11	1.77E-10	2.17E-11	7.15E-11	4.93E-12	9.81E-11
10053	470987.77	3820579.71	2.54E-10	1.07E-09	9.60E-11	1.42E-09	2.11E-10	7.83E-10	6.89E-11	1.06E-09	2.40E-11	1.37E-10	1.64E-11	1.78E-10	2.18E-11	7.18E-11	4.95E-12	9.86E-11
10054	470978.89	3820583.26	2.55E-10	1.07E-09	9.66E-11	1.42E-09	2.13E-10	7.88E-10	6.93E-11	1.07E-09	2.41E-11	1.38E-10	1.65E-11	1.79E-10	2.19E-11	7.23E-11	4.98E-12	9.92E-11
10055	470970.01	3820586.8	2.57E-10	1.08E-09	9.71E-11	1.43E-09	2.14E-10	7.92E-10	6.97E-11	1.08E-09	2.42E-11	1.39E-10	1.66E-11	1.80E-10	2.20E-11	7.27E-11	5.01E-12	9.97E-11
10056	470961.13	3820590.35	2.58E-10	1.08E-09	9.77E-11	1.44E-09	2.15E-10	7.97E-10	7.01E-11	1.08E-09	2.44E-11	1.40E-10	1.67E-11	1.81E-10	2.22E-11	7.31E-11	5.04E-12	1.00E-10
10057	470952.25	3820593.9	2.6E-10	1.09E-09	9.82E-11	1.45E-09	2.16E-10	8.02E-10	7.05E-11	1.09E-09	2.45E-11	1.40E-10	1.68E-11	1.82E-10	2.23E-11	7.35E-11	5.07E-12	1.01E-10
10058	470872.31	3820625.84	2.78E-10	1.17E-09	1.05E-10	1.55E-09	2.32E-10	8.58E-10	7.55E-11	1.16E-09	2.63E-11	1.50E-10	1.79E-11	1.94E-10	2.39E-11	7.87E-11	5.42E-12	1.08E-10
10059	470863.43	3820629.39	2.8E-10	1.18E-09	1.06E-10	1.56E-09	2.34E-10	8.65E-10	7.61E-11	1.17E-09	2.65E-11	1.52E-10	1.81E-11	1.96E-10	2.41E-11	7.94E-11	5.47E-12	1.09E-10
10060	470854.55	3820632.94	2.83E-10	1.19E-09	1.07E-10	1.58E-09	2.36E-10	8.73E-10	7.68E-11	1.19E-09	2.67E-11	1.53E-10	1.82E-11	1.98E-10	2.43E-11	8.01E-11	5.52E-12	1.10E-10
10061	470845.67	3820636.48	2.85E-10	1.20E-09	1.08E-10	1.59E-09	2.38E-10	8.81E-10	7.75E-11	1.20E-09	2.70E-11	1.54E-10	1.84E-11	2.00E-10	2.45E-11	8.08E-11	5.57E-12	1.11E-10
10062	470836.79	3820640.03	2.88E-10	1.21E-09	1.09E-10	1.61E-09	2.40E-10	8.89E-10	7.82E-11	1.21E-09	2.72E-11	1.56E-10	1.86E-11	2.02E-10	2.47E-11	8.16E-11	5.62E-12	1.12E-10
10063	470827.91	3820643.58	2.91E-10	1.22E-09	1.10E-10	1.62E-09	2.42E-10	8.97E-10	7.89E-11	1.22E-09	2.75E-11	1.57E-10	1.88E-11	2.03E-10	2.50E-11	8.23E-11	5.67E-12	1.13E-10
10064	470819.02	3820647.13	2.93E-10	1.23E-09	1.11E-10	1.64E-09	2.44E-10	9.05E-10	7.96E-11	1.23E-09	2.77E-11	1.59E-10	1.89E-11	2.05E-10	2.52E-11	8.30E-11	5.72E-12	1.14E-10
10065	470810.14	3820650.68	2.96E-10	1.24E-09	1.12E-10	1.65E-09	2.47E-10	9.13E-10	8.03E-11	1.24E-09	2.79E-11	1.60E-10	1.91E-11	2.07E-10	2.54E-11	8.38E-11	5.77E-12	1.15E-10
10066	470801.26	3820654.23	2.99E-10	1.25E-09	1.13E-10	1.67E-09	2.49E-10	9.21E-10	8.10E-11	1.25E-09	2.82E-11	1.61E-10	1.93E-11	2.09E-10	2.56E-11	8.45E-11	5.83E-12	1.16E-10
10067	470792.38	3820657.78	3.01E-10	1.26E-09	1.14E-10	1.68E-09	2.51E-10	9.29E-10	8.17E-11	1.26E-09	2.84E-11	1.63E-10	1.94E-11	2.11E-10	2.58E-11	8.52E-11	5.88E-12	1.17E-10
10068	470783.5	3820661.32	3.04E-10	1.28E-09	1.15E-10	1.69E-09	2.53E-10	9.37E-10	8.24E-11	1.27E-09	2.87E-11	1.64E-10	1.96E-11	2.12E-10	2.61E-11	8.60E-11	5.92E-12	1.18E-10
10069	470774.62	3820664.87	3.06E-10	1.29E-09	1.16E-10	1.71E-09	2.55E-10	9.45E-10	8.31E-11	1.28E-09	2.89E-11	1.66E-10	1.98E-11	2.14E-10	2.63E-11	8.67E-11	5.98E-12	1.19E-10
10070	470765.73	3820668.42	3.09E-10	1.30E-09	1.17E-10	1.72E-09	2.57E-10	9.53E-10	8.39E-11	1.29E-09	2.92E-11	1.67E-10	1.99E-11	2.16E-10	2.65E-11	8.74E-11	6.03E-12	1.20E-10
10071	470756.85	3820671.97	3.12E-10	1.31E-09	1.18E-10	1.74E-09	2.60E-10	9.62E-10	8.46E-11	1.31E-09	2.94E-11	1.69E-10	2.01E-11	2.18E-10	2.68E-11	8.82E-11	6.08E-12	1.21E-10
10072	470747.97	3820675.52	3.15E-10	1.32E-09	1.19E-10	1.75E-09	2.62E-10	9.71E-10	8.54E-11	1.32E-09	2.97E-11	1.70E-10	2.03E-11	2.20E-10	2.70E-11	8.90E-11	6.14E-12	1.22E-10
10073	470739.09	3820679.07	3.17E-10	1.33E-09	1.20E-10	1.77E-09	2.64E-10	9.79E-10	8.61E-11	1.33E-09	3.00E-11	1.72E-10	2.05E-11	2.22E-10	2.72E-11	8.98E-11	6.19E-12	1.23E-10
10074	470730.21	3820682.62	3.2E-10	1.34E-09	1.21E-10	1.79E-09	2.67E-10	9.88E-10	8.69E-11	1.34E-09	3.02E-11	1.73E-10	2.06E-11	2.24E-10	2.75E-11	9.06E-11	6.25E-12	1.24E-10
10075	470721.33	3820686.16	3.23E-10	1.36E-09	1.22E-10	1.80E-09	2.69E-10	9.96E-10	8.76E-11	1.35E-09	3.05E-11	1.74E-10	2.08E-11	2.26E-10	2.77E-11	9.14E-11	6.30E-12	1.25E-10
10076	470712.44	3820689.71	3.25E-10	1.37E-09	1.23E-10	1.81E-09	2.71E-10	1.00E-09	8.83E-11	1.36E-09	3.07E-11	1.76E-10	2.10E-11	2.28E-10	2.79E-11	9.21E-11	6.35E-12	1.26E-10
10077	470703.56	3820693.26	3.28E-10	1.38E-09	1.24E-10	1.83E-09	2.73E-10	1.01E-09	8.91E-11	1.38E-09	3.10E-11	1.77E-10	2.12E-11	2.30E-10	2.82E-11	9.29E-11	6.40E-12	1.27E-10
10078	470694.68	3820696.81	3.31E-10	1.39E-09	1.25E-10	1.85E-09	2.76E-10	1.02E-09	8.99E-11	1.39E-09	3.13E-11	1.79E-10	2.14E-11	2.32E-10	2.84E-11	9.37E-11	6.46E-12	1.29E-10
10079	470685.8	3820700.36	3.34E-10	1.40E-09	1.26E-10	1.86E-09	2.78E-10	1.03E-09	9.06E-11	1.40E-09	3.15E-11	1.80E-10	2.15E-11	2.34E-10	2.87E-11	9.45E-11	6.51E-12	1.30E-10
10080	470676.92	3820703.91	3.36E-10	1.41E-09	1.27E-10	1.88E-09	2.80E-10	1.04E-09	9.13E-11	1.41E-09	3.18E-11	1.82E-10	2.17E-11	2.35E-10	2.89E-11	9.52E-11	6.56E-12	1.31E-10
10081	470668.04	3820707.46	3.39E-10	1.42E-09	1.28E-10	1.89E-09	2.82E-10	1.05E-09	9.20E-11	1.42E-09	3.20E-11	1.83E-10	2.19E-11	2.37E-10	2.91E-11	9.59E-11	6.61E-12	1.32E-10
10082	470659.16	3820711.01	3.41E-10	1.43E-09	1.29E-10	1.90E-09	2.84E-10	1.05E-09	9.27E-11	1.43E-09	3.22E-11	1.85E-10	2.20E-11	2.39E-10	2.93E-11	9.66E-11	6.66E-12	1.33E-10
10083	470650.27	3820714.55	3.44E-10	1.44E-09	1.30E-10	1.92E-09	2.86E-10	1.06E-09	9.33E-11	1.44E-09	3.25E-11	1.86E-10	2.22E-11	2.41E-10	2.95E-11	9.73E-11	6.71E-12	1.34E-10
10084	470641.39	3820718.1	3.46E-10	1.45E-09	1.31E-10	1.93E-09	2.88E-10	1.07E-09	9.39E-11	1.45E-09	3.27E-11	1.87E-10	2.23E-11	2.42E-10	2.97E-11	9.80E-11	6.75E-12	1.34E-10
10085	470632.51	3820721.65	3.48E-10	1.46E-09	1.32E-10	1.94E-09	2.90E-10	1.07E-09	9.45E-11	1.46E-09	3.29E-11	1.88E-10	2.25E-11	2.44E-10	2.99E-11	9.86E-11	6.79E-12	1.35E-10
10086	470623.63	3820725.2	3.5E-10	1.47E-09	1.32E-10	1.95E-09	2.92E-10	1.08E-09	9.51E-11	1.47E-09	3.31E-11	1.89E-10	2.26E-11	2.45E-10	3.01E-11	9.91E-11	6.83E-12	1.36E-10
10087	470614.75	3820728.75	3.52E-10	1.48E-09	1.33E-10	1.97E-09	2.93E-10	1.09E-09	9.57E-11	1.48E-09	3.33E-11	1.90E-10	2.27E-11	2.46E-10	3.02E-11	9.97E-11	6.88E-12	1.37E-10
10088	470605.87	3820732.3	3.55E-10	1.49E-09	1.34E-10	1.98E-09	2.95E-10	1.09E-09	9.63E-11	1.49E-09	3.35E-11	1.92E-10	2.29E-11	2.48E-10	3.04E-11	1.00E-10	6.92E-12	1.38E-10
10089	470596.98	3820735.85	3.57E-10	1.50E-09	1.35E-10	1.99E-09	2.97E-10	1.10E-09	9.69E-11	1.49E-09	3.37E-11	1.93E-10	2.30E-11	2.50E-10	3.06E-11	1.01E-10	6.96E-12	1.39E-10
10090	470588.1	3820739.39	3.59E-10	1.51E-09	1.36E-10	2.00E-09	2.99E-10	1.11E-09	9.74E-11	1.50E-09	3.39E-11	1.94E-10	2.31E-11	2.51E-10	3.08E-11	1.02E-10	7.00E-12	1.39E-10
10091	470579.22	3820742.94	3.6E-10	1.51E-09	1.36E-10	2.01E-09	3.00E-10	1.11E-09	9.78E-11	1.51E-09	3.40E-11	1.95E-10	2.32E-11	2.52E-10	3.09E-11	1.02E-10	7.03E-12	1.40E-10
10092	470570.34	3820746.49	3.62E-10	1.52E-09	1.37E-10	2.02E-09	3.01E-10	1.12E-09	9.82E-11	1.52E-09	3.42E-11	1.96E-10	2.33E-11	2.53E-10	3.11E-11	1.02E-10	7.06E-12	1.41E-10
10093	470561.46	3820750.04	3.63E-10	1.52E-09	1.37E-10	2.02E-09	3.02E-10	1.12E-09	9.86E-11	1.52E-09	3.43E-11	1.96E-10	2.34E-11	2.54E-10	3.12E-11	1.03E-10	7.08E-12	1.41E-10
10094	470552.58	3820753.59	3.64E-10	1.53E-09	1.38E-10	2.03E-09	3.03E-10	1.12E-09	9.88E-11	1.52E-09	3.44E-11	1.97E-10	2.35E-11	2.55E-10	3.12E-11	1.03E-10	7.10E-12	1.41E-10
10095	470543.69	3820757.14	3.65E-10	1.53E-09	1.38E-10	2.03E-09	3.04E-10	1.13E-09	9.90E-11	1.53E-09	3.44E-11	1.97E-10	2.35E-11	2.55E-10	3.13E-11	1.03E-10	7.11E-12	1.42E-10
10096	470534.81	3820760.69	3.65E-10	1.53E-09	1.38E-10	2.04E-09	3.04E-10	1.13E-09	9.92E-11	1.53E-09	3.45E-11	1.97E-10	2.36E-11	2.56E-10	3.14E-11	1.03E-10	7.13E-12	1.42E-10

10097	470525.93	3820764.23	3.66E-10	1.54E-09	1.38E-10	2.04E-09	3.05E-10	1.13E-09	9.93E-11	1.53E-09	3.46E-11	1.98E-10	2.36E-11	2.56E-10	3.14E-11	1.04E-10	7.14E-12	1.42E-10
10098	470517.05	3820767.78	3.67E-10	1.54E-09	1.39E-10	2.05E-09	3.05E-10	1.13E-09	9.95E-11	1.54E-09	3.46E-11	1.98E-10	2.36E-11	2.56E-10	3.15E-11	1.04E-10	7.15E-12	1.42E-10
10099	470508.17	3820771.33	3.67E-10	1.54E-09	1.39E-10	2.05E-09	3.06E-10	1.13E-09	9.97E-11	1.54E-09	3.47E-11	1.99E-10	2.37E-11	2.57E-10	3.15E-11	1.04E-10	7.17E-12	1.43E-10
10100	470499.29	3820774.88	3.68E-10	1.54E-09	1.39E-10	2.05E-09	3.06E-10	1.13E-09	9.98E-11	1.54E-09	3.47E-11	1.99E-10	2.37E-11	2.57E-10	3.16E-11	1.04E-10	7.18E-12	1.43E-10
10101	470490.4	3820778.43	3.68E-10	1.55E-09	1.39E-10	2.05E-09	3.07E-10	1.14E-09	1.00E-10	1.54E-09	3.48E-11	1.99E-10	2.38E-11	2.58E-10	3.16E-11	1.04E-10	7.19E-12	1.43E-10
10102	470481.52	3820781.98	3.69E-10	1.55E-09	1.40E-10	2.06E-09	3.07E-10	1.14E-09	1.00E-10	1.55E-09	3.48E-11	1.99E-10	2.38E-11	2.58E-10	3.17E-11	1.04E-10	7.20E-12	1.43E-10
10103	470472.64	3820785.53	3.7E-10	1.55E-09	1.40E-10	2.06E-09	3.08E-10	1.14E-09	1.00E-10	1.55E-09	3.49E-11	2.00E-10	2.38E-11	2.59E-10	3.17E-11	1.05E-10	7.21E-12	1.44E-10
10104	470463.76	3820789.07	3.7E-10	1.55E-09	1.40E-10	2.06E-09	3.08E-10	1.14E-09	1.00E-10	1.55E-09	3.49E-11	2.00E-10	2.39E-11	2.59E-10	3.18E-11	1.05E-10	7.22E-12	1.44E-10
10105	470454.88	3820792.62	3.71E-10	1.56E-09	1.40E-10	2.07E-09	3.09E-10	1.14E-09	1.01E-10	1.55E-09	3.50E-11	2.00E-10	2.39E-11	2.59E-10	3.18E-11	1.05E-10	7.23E-12	1.44E-10
10106	470446	3820796.17	3.71E-10	1.56E-09	1.40E-10	2.07E-09	3.09E-10	1.15E-09	1.01E-10	1.55E-09	3.50E-11	2.01E-10	2.39E-11	2.60E-10	3.19E-11	1.05E-10	7.24E-12	1.44E-10
10107	470437.12	3820799.72	3.72E-10	1.56E-09	1.41E-10	2.07E-09	3.09E-10	1.15E-09	1.01E-10	1.56E-09	3.51E-11	2.01E-10	2.40E-11	2.60E-10	3.19E-11	1.05E-10	7.25E-12	1.44E-10
10108	470428.23	3820803.27	3.72E-10	1.56E-09	1.41E-10	2.08E-09	3.10E-10	1.15E-09	1.01E-10	1.56E-09	3.52E-11	2.01E-10	2.40E-11	2.60E-10	3.20E-11	1.05E-10	7.26E-12	1.45E-10
10109	470419.35	3820806.82	3.73E-10	1.57E-09	1.41E-10	2.08E-09	3.11E-10	1.15E-09	1.01E-10	1.56E-09	3.52E-11	2.02E-10	2.40E-11	2.61E-10	3.20E-11	1.06E-10	7.28E-12	1.45E-10
10110	470410.47	3820810.37	3.74E-10	1.57E-09	1.41E-10	2.08E-09	3.11E-10	1.15E-09	1.01E-10	1.57E-09	3.53E-11	2.02E-10	2.41E-11	2.61E-10	3.21E-11	1.06E-10	7.29E-12	1.45E-10
10111	470401.59	3820813.91	3.74E-10	1.57E-09	1.41E-10	2.09E-09	3.12E-10	1.15E-09	1.02E-10	1.57E-09	3.53E-11	2.02E-10	2.41E-11	2.62E-10	3.21E-11	1.06E-10	7.30E-12	1.45E-10
10112	470392.71	3820817.46	3.75E-10	1.57E-09	1.42E-10	2.09E-09	3.12E-10	1.16E-09	1.02E-10	1.57E-09	3.54E-11	2.03E-10	2.42E-11	2.62E-10	3.22E-11	1.06E-10	7.31E-12	1.46E-10
10113	470383.83	3820821.01	3.75E-10	1.58E-09	1.42E-10	2.09E-09	3.13E-10	1.16E-09	1.02E-10	1.57E-09	3.54E-11	2.03E-10	2.42E-11	2.63E-10	3.22E-11	1.06E-10	7.32E-12	1.46E-10
10114	470374.94	3820824.56	3.76E-10	1.58E-09	1.42E-10	2.10E-09	3.13E-10	1.16E-09	1.02E-10	1.58E-09	3.55E-11	2.03E-10	2.42E-11	2.63E-10	3.23E-11	1.06E-10	7.33E-12	1.46E-10
10115	470366.06	3820828.11	3.77E-10	1.58E-09	1.42E-10	2.10E-09	3.14E-10	1.16E-09	1.02E-10	1.58E-09	3.56E-11	2.04E-10	2.43E-11	2.63E-10	3.23E-11	1.07E-10	7.35E-12	1.46E-10
10116	470295.01	3820856.5	3.85E-10	1.62E-09	1.46E-10	2.15E-09	3.21E-10	1.19E-09	1.05E-10	1.61E-09	3.64E-11	2.08E-10	2.48E-11	2.69E-10	3.31E-11	1.09E-10	7.52E-12	1.50E-10
10117	470286.13	3820860.05	3.86E-10	1.62E-09	1.46E-10	2.16E-09	3.22E-10	1.19E-09	1.05E-10	1.62E-09	3.65E-11	2.09E-10	2.49E-11	2.70E-10	3.32E-11	1.09E-10	7.54E-12	1.50E-10
10118	470277.25	3820863.6	3.88E-10	1.63E-09	1.47E-10	2.16E-09	3.23E-10	1.20E-09	1.05E-10	1.62E-09	3.66E-11	2.10E-10	2.50E-11	2.71E-10	3.33E-11	1.10E-10	7.57E-12	1.51E-10
10119	470268.36	3820867.14	3.89E-10	1.63E-09	1.47E-10	2.17E-09	3.24E-10	1.20E-09	1.06E-10	1.63E-09	3.68E-11	2.10E-10	2.51E-11	2.72E-10	3.34E-11	1.10E-10	7.60E-12	1.51E-10
10120	471699.2	3819463.01	1.94E-10	8.14E-10	7.33E-11	1.08E-09	1.61E-10	5.98E-10	5.26E-11	8.12E-10	1.83E-11	1.05E-10	1.25E-11	1.36E-10	1.66E-11	5.49E-11	3.78E-12	7.53E-11
10121	471699.28	3819453.36	1.93E-10	8.12E-10	7.31E-11	1.08E-09	1.61E-10	5.97E-10	5.25E-11	8.10E-10	1.83E-11	1.05E-10	1.25E-11	1.35E-10	1.66E-11	5.47E-11	3.77E-12	7.51E-11
10122	471699.36	3819443.71	1.93E-10	8.10E-10	7.29E-11	1.08E-09	1.61E-10	5.95E-10	5.23E-11	8.08E-10	1.82E-11	1.04E-10	1.24E-11	1.35E-10	1.66E-11	5.46E-11	3.76E-12	7.49E-11
10123	471699.45	3819434.06	1.92E-10	8.07E-10	7.27E-11	1.07E-09	1.60E-10	5.93E-10	5.22E-11	8.06E-10	1.82E-11	1.04E-10	1.24E-11	1.34E-10	1.65E-11	5.44E-11	3.75E-12	7.47E-11
10124	471699.53	3819424.41	1.92E-10	8.04E-10	7.24E-11	1.07E-09	1.60E-10	5.91E-10	5.20E-11	8.03E-10	1.81E-11	1.04E-10	1.24E-11	1.34E-10	1.64E-11	5.42E-11	3.74E-12	7.44E-11
10125	471699.61	3819414.76	1.91E-10	8.02E-10	7.22E-11	1.06E-09	1.59E-10	5.89E-10	5.18E-11	8.00E-10	1.80E-11	1.03E-10	1.23E-11	1.34E-10	1.64E-11	5.40E-11	3.72E-12	7.41E-11
10126	471699.69	3819405.12	1.9E-10	7.98E-10	7.19E-11	1.06E-09	1.58E-10	5.87E-10	5.16E-11	7.97E-10	1.80E-11	1.03E-10	1.23E-11	1.33E-10	1.63E-11	5.38E-11	3.71E-12	7.38E-11
10127	471699.78	3819395.47	1.89E-10	7.95E-10	7.16E-11	1.06E-09	1.58E-10	5.84E-10	5.14E-11	7.93E-10	1.79E-11	1.02E-10	1.22E-11	1.32E-10	1.63E-11	5.36E-11	3.69E-12	7.35E-11
10128	471699.86	3819385.82	1.89E-10	7.92E-10	7.13E-11	1.05E-09	1.57E-10	5.82E-10	5.12E-11	7.90E-10	1.78E-11	1.02E-10	1.22E-11	1.32E-10	1.62E-11	5.34E-11	3.68E-12	7.32E-11
10129	471699.94	3819376.17	1.88E-10	7.88E-10	7.09E-11	1.05E-09	1.56E-10	5.79E-10	5.09E-11	7.86E-10	1.77E-11	1.01E-10	1.21E-11	1.31E-10	1.61E-11	5.31E-11	3.66E-12	7.29E-11
10130	471700.03	3819366.52	1.87E-10	7.84E-10	7.06E-11	1.04E-09	1.55E-10	5.76E-10	5.07E-11	7.82E-10	1.76E-11	1.01E-10	1.20E-11	1.31E-10	1.60E-11	5.28E-11	3.64E-12	7.25E-11
10131	471700.11	3819356.88	1.86E-10	7.80E-10	7.02E-11	1.04E-09	1.55E-10	5.73E-10	5.04E-11	7.78E-10	1.75E-11	1.00E-10	1.20E-11	1.30E-10	1.59E-11	5.26E-11	3.62E-12	7.21E-11
10132	471700.19	3819347.23	1.85E-10	7.75E-10	6.98E-11	1.03E-09	1.54E-10	5.69E-10	5.01E-11	7.73E-10	1.74E-11	9.98E-11	1.19E-11	1.29E-10	1.58E-11	5.22E-11	3.60E-12	7.17E-11
10133	471700.27	3819337.58	1.83E-10	7.71E-10	6.94E-11	1.02E-09	1.53E-10	5.66E-10	4.98E-11	7.69E-10	1.73E-11	9.92E-11	1.18E-11	1.28E-10	1.58E-11	5.19E-11	3.58E-12	7.13E-11
10134	471700.36	3819327.93	1.82E-10	7.65E-10	6.89E-11	1.02E-09	1.52E-10	5.62E-10	4.95E-11	7.64E-10	1.72E-11	9.85E-11	1.18E-11	1.27E-10	1.56E-11	5.16E-11	3.56E-12	7.08E-11
10135	471700.44	3819318.28	1.81E-10	7.60E-10	6.84E-11	1.01E-09	1.51E-10	5.59E-10	4.91E-11	7.58E-10	1.71E-11	9.78E-11	1.17E-11	1.27E-10	1.55E-11	5.12E-11	3.53E-12	7.03E-11
10136	471700.52	3819308.63	1.8E-10	7.55E-10	6.80E-11	1.00E-09	1.50E-10	5.55E-10	4.88E-11	7.53E-10	1.70E-11	9.72E-11	1.16E-11	1.26E-10	1.54E-11	5.09E-11	3.51E-12	6.98E-11
10137	471700.6	3819298.99	1.78E-10	7.49E-10	6.75E-11	9.95E-10	1.49E-10	5.50E-10	4.84E-11	7.47E-10	1.68E-11	9.64E-11	1.15E-11	1.25E-10	1.53E-11	5.05E-11	3.48E-12	6.93E-11
10138	471700.69	3819289.34	1.77E-10	7.43E-10	6.69E-11	9.87E-10	1.47E-10	5.46E-10	4.80E-11	7.41E-10	1.67E-11	9.57E-11	1.14E-11	1.24E-10	1.52E-11	5.01E-11	3.45E-12	6.87E-11
10139	471700.77	3819279.69	1.76E-10	7.37E-10	6.64E-11	9.79E-10	1.46E-10	5.42E-10	4.76E-11	7.35E-10	1.66E-11	9.49E-11	1.13E-11	1.23E-10	1.51E-11	4.97E-11	3.42E-12	6.82E-11
10140	471700.85	3819270.04	1.74E-10	7.31E-10	6.58E-11	9.70E-10	1.45E-10	5.37E-10	4.72E-11	7.29E-10	1.64E-11	9.40E-11	1.12E-11	1.22E-10	1.49E-11	4.92E-11	3.39E-12	6.76E-11
10141	471700.94	3819260.39	1.72E-10	7.24E-10	6.52E-11	9.62E-10	1.44E-10	5.32E-10	4.68E-11	7.22E-10	1.63E-11	9.32E-11	1.11E-11	1.21E-10	1.48E-11	4.88E-11	3.36E-12	6.70E-11
10142	471775.43	3819472.52	1.75E-10	7.37E-10	6.64E-11	9.79E-10	1.46E-10	5.41E-10	4.76E-11	7.35E-10	1.66E-11	9.49E-11	1.13E-11	1.23E-10	1.51E-11	4.97E-11	3.42E-12	6.82E-11
10143	471771.67	3819481.35	1.77E-10	7.42E-10	6.68E-11	9.85E-10	1.47E-10	5.45E-10	4.80E-11	7.40E-10	1.67E-11	9.55E-11	1.14E-11	1.24E-10	1.52E-11	5.00E-11	3.45E-12	6.86E-11
10144	471767.91	3819490.18	1.78E-10	7.47E-10	6.73E-11	9.92E-10	1.48E-10	5.49E-10	4.83E-11	7.45E-10	1.68E-11	9.61E-11	1.15E-11	1.24E-10	1.53E-11	5.03E-11	3.47E-12	6.91E-11
10145	471764.15	3819499.01	1.79E-10	7.51E-10	6.77E-11	9.98E-10	1.49E-10	5.52E-10	4.86E-11	7.50E-10	1.69E-11	9.67E-11	1.15E-11	1.25E-10	1.54E-11	5.07E-11	3.49E-12	6.95E-11
10146	471760.39	3819507.84	1.8E-10	7.56E-10	6.81E-11	1.00E-09	1.50E-10	5.56E-10	4.89E-11	7.54E-10	1.70E-11	9.73E-11	1.16E-11	1.26E-10	1.55E-11	5.10E-11	3.51E-12	6.99E-11

10147	471756.63	3819516.67	1.81E-10	7.61E-10	6.85E-11	1.01E-09	1.51E-10	5.59E-10	4.92E-11	7.59E-10	1.71E-11	9.79E-11	1.17E-11	1.27E-10	1.55E-11	5.13E-11	3.53E-12	7.03E-11
10148	471752.87	3819525.5	1.82E-10	7.65E-10	6.89E-11	1.02E-09	1.52E-10	5.62E-10	4.95E-11	7.64E-10	1.72E-11	9.85E-11	1.18E-11	1.27E-10	1.56E-11	5.16E-11	3.56E-12	7.08E-11
10149	471749.11	3819534.34	1.83E-10	7.70E-10	6.93E-11	1.02E-09	1.53E-10	5.66E-10	4.98E-11	7.68E-10	1.73E-11	9.91E-11	1.18E-11	1.28E-10	1.57E-11	5.19E-11	3.58E-12	7.12E-11
10150	471745.35	3819543.17	1.84E-10	7.74E-10	6.97E-11	1.03E-09	1.54E-10	5.69E-10	5.00E-11	7.72E-10	1.74E-11	9.97E-11	1.19E-11	1.29E-10	1.58E-11	5.22E-11	3.60E-12	7.16E-11
10151	471741.59	3819552	1.85E-10	7.79E-10	7.01E-11	1.03E-09	1.54E-10	5.72E-10	5.03E-11	7.77E-10	1.75E-11	1.00E-10	1.20E-11	1.30E-10	1.59E-11	5.25E-11	3.62E-12	7.20E-11
10152	471737.83	3819560.83	1.86E-10	7.83E-10	7.05E-11	1.04E-09	1.55E-10	5.75E-10	5.06E-11	7.81E-10	1.76E-11	1.01E-10	1.20E-11	1.30E-10	1.60E-11	5.28E-11	3.64E-12	7.24E-11
10153	471734.07	3819569.66	1.87E-10	7.87E-10	7.09E-11	1.05E-09	1.56E-10	5.78E-10	5.09E-11	7.85E-10	1.77E-11	1.01E-10	1.21E-11	1.31E-10	1.61E-11	5.30E-11	3.66E-12	7.28E-11
10154	471730.31	3819578.49	1.88E-10	7.91E-10	7.12E-11	1.05E-09	1.57E-10	5.81E-10	5.11E-11	7.89E-10	1.78E-11	1.02E-10	1.22E-11	1.32E-10	1.62E-11	5.33E-11	3.68E-12	7.32E-11
10155	471726.55	3819587.32	1.89E-10	7.95E-10	7.16E-11	1.06E-09	1.58E-10	5.84E-10	5.14E-11	7.94E-10	1.79E-11	1.02E-10	1.22E-11	1.32E-10	1.63E-11	5.36E-11	3.70E-12	7.36E-11
10156	471722.78	3819596.15	1.9E-10	7.99E-10	7.20E-11	1.06E-09	1.59E-10	5.87E-10	5.17E-11	7.98E-10	1.80E-11	1.03E-10	1.23E-11	1.33E-10	1.63E-11	5.39E-11	3.71E-12	7.39E-11
10157	471719.02	3819604.98	1.91E-10	8.03E-10	7.24E-11	1.07E-09	1.59E-10	5.90E-10	5.19E-11	8.02E-10	1.81E-11	1.03E-10	1.23E-11	1.34E-10	1.64E-11	5.42E-11	3.73E-12	7.43E-11
10158	471715.26	3819613.81	1.92E-10	8.08E-10	7.27E-11	1.07E-09	1.60E-10	5.93E-10	5.22E-11	8.06E-10	1.82E-11	1.04E-10	1.24E-11	1.35E-10	1.65E-11	5.44E-11	3.75E-12	7.47E-11
10159	471711.5	3819622.64	1.93E-10	8.11E-10	7.31E-11	1.08E-09	1.61E-10	5.96E-10	5.25E-11	8.10E-10	1.82E-11	1.04E-10	1.25E-11	1.35E-10	1.66E-11	5.47E-11	3.77E-12	7.51E-11
10160	471707.74	3819631.47	1.94E-10	8.15E-10	7.34E-11	1.08E-09	1.62E-10	5.99E-10	5.27E-11	8.14E-10	1.83E-11	1.05E-10	1.25E-11	1.36E-10	1.67E-11	5.50E-11	3.79E-12	7.54E-11
10161	471703.98	3819640.3	1.95E-10	8.19E-10	7.38E-11	1.09E-09	1.63E-10	6.02E-10	5.30E-11	8.18E-10	1.84E-11	1.05E-10	1.26E-11	1.36E-10	1.67E-11	5.52E-11	3.81E-12	7.58E-11
10162	471700.22	3819649.13	1.96E-10	8.23E-10	7.41E-11	1.09E-09	1.63E-10	6.05E-10	5.32E-11	8.21E-10	1.85E-11	1.06E-10	1.26E-11	1.37E-10	1.68E-11	5.55E-11	3.83E-12	7.61E-11
10163	471696.46	3819657.96	1.97E-10	8.27E-10	7.45E-11	1.10E-09	1.64E-10	6.08E-10	5.35E-11	8.25E-10	1.86E-11	1.06E-10	1.27E-11	1.38E-10	1.69E-11	5.58E-11	3.84E-12	7.65E-11
10164	471688.94	3819675.62	1.99E-10	8.35E-10	7.52E-11	1.11E-09	1.66E-10	6.14E-10	5.40E-11	8.33E-10	1.88E-11	1.07E-10	1.28E-11	1.39E-10	1.71E-11	5.63E-11	3.88E-12	7.72E-11
10165	471685.18	3819684.45	2E-10	8.39E-10	7.55E-11	1.11E-09	1.66E-10	6.16E-10	5.42E-11	8.37E-10	1.89E-11	1.08E-10	1.29E-11	1.40E-10	1.71E-11	5.65E-11	3.90E-12	7.76E-11
10166	471681.42	3819693.28	2.01E-10	8.43E-10	7.59E-11	1.12E-09	1.67E-10	6.19E-10	5.45E-11	8.41E-10	1.90E-11	1.08E-10	1.29E-11	1.40E-10	1.72E-11	5.68E-11	3.92E-12	7.80E-11
10167	471677.66	3819702.11	2.02E-10	8.47E-10	7.63E-11	1.12E-09	1.68E-10	6.22E-10	5.47E-11	8.45E-10	1.90E-11	1.09E-10	1.30E-11	1.41E-10	1.73E-11	5.71E-11	3.93E-12	7.83E-11
10168	471673.9	3819710.95	2.03E-10	8.51E-10	7.66E-11	1.13E-09	1.69E-10	6.25E-10	5.50E-11	8.49E-10	1.91E-11	1.09E-10	1.31E-11	1.42E-10	1.74E-11	5.73E-11	3.95E-12	7.87E-11
10169	471670.14	3819719.78	2.03E-10	8.54E-10	7.69E-11	1.13E-09	1.69E-10	6.28E-10	5.52E-11	8.52E-10	1.92E-11	1.10E-10	1.31E-11	1.42E-10	1.75E-11	5.76E-11	3.97E-12	7.90E-11
10170	471666.37	3819728.61	2.04E-10	8.58E-10	7.73E-11	1.14E-09	1.70E-10	6.31E-10	5.55E-11	8.56E-10	1.93E-11	1.10E-10	1.32E-11	1.43E-10	1.75E-11	5.78E-11	3.99E-12	7.94E-11
10171	471662.61	3819737.44	2.05E-10	8.62E-10	7.76E-11	1.14E-09	1.71E-10	6.33E-10	5.57E-11	8.60E-10	1.94E-11	1.11E-10	1.32E-11	1.44E-10	1.76E-11	5.81E-11	4.00E-12	7.97E-11
10172	471658.85	3819746.27	2.06E-10	8.66E-10	7.80E-11	1.15E-09	1.72E-10	6.36E-10	5.60E-11	8.64E-10	1.95E-11	1.11E-10	1.33E-11	1.44E-10	1.77E-11	5.84E-11	4.02E-12	8.01E-11
10173	471655.09	3819755.1	2.07E-10	8.69E-10	7.83E-11	1.15E-09	1.72E-10	6.39E-10	5.62E-11	8.67E-10	1.96E-11	1.12E-10	1.34E-11	1.45E-10	1.78E-11	5.86E-11	4.04E-12	8.04E-11
10174	471651.33	3819763.93	2.08E-10	8.73E-10	7.86E-11	1.16E-09	1.73E-10	6.42E-10	5.64E-11	8.71E-10	1.96E-11	1.12E-10	1.34E-11	1.45E-10	1.78E-11	5.88E-11	4.06E-12	8.08E-11
10175	471647.57	3819772.76	2.09E-10	8.77E-10	7.90E-11	1.16E-09	1.74E-10	6.44E-10	5.67E-11	8.75E-10	1.97E-11	1.13E-10	1.35E-11	1.46E-10	1.79E-11	5.91E-11	4.07E-12	8.11E-11
10176	471643.81	3819781.59	2.1E-10	8.80E-10	7.93E-11	1.17E-09	1.75E-10	6.47E-10	5.69E-11	8.78E-10	1.98E-11	1.13E-10	1.35E-11	1.47E-10	1.80E-11	5.93E-11	4.09E-12	8.14E-11
10177	471640.05	3819790.42	2.1E-10	8.84E-10	7.96E-11	1.17E-09	1.75E-10	6.49E-10	5.71E-11	8.82E-10	1.99E-11	1.14E-10	1.36E-11	1.47E-10	1.81E-11	5.96E-11	4.11E-12	8.17E-11
10178	471636.29	3819799.25	2.11E-10	8.87E-10	7.99E-11	1.18E-09	1.76E-10	6.52E-10	5.73E-11	8.85E-10	1.99E-11	1.14E-10	1.36E-11	1.48E-10	1.81E-11	5.98E-11	4.12E-12	8.21E-11
10179	471632.53	3819808.08	2.12E-10	8.91E-10	8.02E-11	1.18E-09	1.77E-10	6.54E-10	5.76E-11	8.89E-10	2.00E-11	1.15E-10	1.37E-11	1.48E-10	1.82E-11	6.00E-11	4.14E-12	8.24E-11
10180	471628.77	3819816.91	2.13E-10	8.94E-10	8.05E-11	1.19E-09	1.77E-10	6.57E-10	5.78E-11	8.92E-10	2.01E-11	1.15E-10	1.37E-11	1.49E-10	1.83E-11	6.02E-11	4.15E-12	8.27E-11
10181	471625.01	3819825.74	2.14E-10	8.97E-10	8.08E-11	1.19E-09	1.78E-10	6.59E-10	5.80E-11	8.95E-10	2.02E-11	1.15E-10	1.38E-11	1.49E-10	1.83E-11	6.04E-11	4.17E-12	8.29E-11
10182	471621.25	3819834.57	2.14E-10	9.00E-10	8.10E-11	1.20E-09	1.79E-10	6.61E-10	5.82E-11	8.98E-10	2.02E-11	1.16E-10	1.38E-11	1.50E-10	1.84E-11	6.07E-11	4.18E-12	8.32E-11
10183	471617.49	3819843.4	2.15E-10	9.03E-10	8.13E-11	1.20E-09	1.79E-10	6.63E-10	5.84E-11	9.01E-10	2.03E-11	1.16E-10	1.39E-11	1.50E-10	1.85E-11	6.09E-11	4.19E-12	8.35E-11
10184	471602.44	3819878.73	2.17E-10	9.13E-10	8.22E-11	1.21E-09	1.81E-10	6.71E-10	5.90E-11	9.11E-10	2.05E-11	1.18E-10	1.40E-11	1.52E-10	1.87E-11	6.15E-11	4.24E-12	8.44E-11
10185	471598.68	3819887.56	2.18E-10	9.15E-10	8.24E-11	1.22E-09	1.81E-10	6.72E-10	5.92E-11	9.13E-10	2.06E-11	1.18E-10	1.41E-11	1.52E-10	1.87E-11	6.17E-11	4.25E-12	8.46E-11
10186	471594.92	3819896.39	2.18E-10	9.17E-10	8.26E-11	1.22E-09	1.82E-10	6.74E-10	5.93E-11	9.15E-10	2.06E-11	1.18E-10	1.41E-11	1.53E-10	1.87E-11	6.18E-11	4.26E-12	8.48E-11
10187	471591.16	3819905.22	2.19E-10	9.19E-10	8.28E-11	1.22E-09	1.82E-10	6.75E-10	5.94E-11	9.17E-10	2.07E-11	1.18E-10	1.41E-11	1.53E-10	1.88E-11	6.19E-11	4.27E-12	8.50E-11
10188	471587.4	3819914.05	2.19E-10	9.21E-10	8.29E-11	1.22E-09	1.83E-10	6.76E-10	5.95E-11	9.19E-10	2.07E-11	1.19E-10	1.41E-11	1.53E-10	1.88E-11	6.20E-11	4.28E-12	8.51E-11
10189	471583.64	3819922.88	2.2E-10	9.22E-10	8.30E-11	1.22E-09	1.83E-10	6.78E-10	5.96E-11	9.20E-10	2.07E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.22E-11	4.28E-12	8.53E-11
10190	471579.88	3819931.71	2.2E-10	9.23E-10	8.32E-11	1.23E-09	1.83E-10	6.79E-10	5.97E-11	9.21E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.22E-11	4.29E-12	8.54E-11
10191	471576.12	3819940.54	2.2E-10	9.25E-10	8.33E-11	1.23E-09	1.83E-10	6.79E-10	5.98E-11	9.23E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.23E-11	4.30E-12	8.55E-11
10192	471572.36	3819949.37	2.2E-10	9.26E-10	8.34E-11	1.23E-09	1.84E-10	6.80E-10	5.98E-11	9.24E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.24E-11	4.30E-12	8.56E-11
10193	471568.6	3819958.2	2.21E-10	9.26E-10	8.34E-11	1.23E-09	1.84E-10	6.81E-10	5.99E-11	9.24E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.24E-11	4.30E-12	8.57E-11
10194	471564.84	3819967.03	2.21E-10	9.27E-10	8.35E-11	1.23E-09	1.84E-10	6.81E-10	5.99E-11	9.25E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.90E-11	6.25E-11	4.31E-12	8.57E-11
10195	471561.08	3819975.86	2.21E-10	9.27E-10	8.35E-11	1.23E-09	1.84E-10	6.81E-10	5.99E-11	9.25E-10	2.09E-11	1.19E-10	1.42E-11	1.54E-10	1.90E-11	6.25E-11	4.31E-12	8.58E-11
10196	471557.31	3819984.69	2.21E-10	9.28E-10	8.35E-11	1.23E-09	1.84E-10	6.82E-10	6.00E-11	9.26E-10	2.09E-11	1.19E-10	1.42E-11	1.55E-10	1.90E-11	6.25E-11	4.31E-12	8.58E-11

10197	471553.55	3819993.52	2.21E-10	9.28E-10	8.36E-11	1.23E-09	1.84E-10	6.82E-10	6.00E-11	9.26E-10	2.09E-11	1.19E-10	1.43E-11	1.55E-10	1.90E-11	6.25E-11	4.31E-12	8.58E-11
10198	471549.79	3820002.35	2.21E-10	9.28E-10	8.36E-11	1.23E-09	1.84E-10	6.82E-10	6.00E-11	9.26E-10	2.09E-11	1.19E-10	1.43E-11	1.55E-10	1.90E-11	6.25E-11	4.31E-12	8.58E-11
10199	471546.03	3820011.18	2.21E-10	9.28E-10	8.35E-11	1.23E-09	1.84E-10	6.82E-10	6.00E-11	9.26E-10	2.09E-11	1.19E-10	1.42E-11	1.55E-10	1.90E-11	6.25E-11	4.31E-12	8.58E-11
10200	471542.27	3820020.01	2.21E-10	9.27E-10	8.35E-11	1.23E-09	1.84E-10	6.81E-10	5.99E-11	9.25E-10	2.09E-11	1.19E-10	1.42E-11	1.54E-10	1.90E-11	6.25E-11	4.31E-12	8.58E-11
10201	471538.51	3820028.84	2.21E-10	9.27E-10	8.35E-11	1.23E-09	1.84E-10	6.81E-10	5.99E-11	9.25E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.25E-11	4.31E-12	8.57E-11
10202	471534.75	3820037.67	2.21E-10	9.26E-10	8.34E-11	1.23E-09	1.84E-10	6.81E-10	5.99E-11	9.24E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.24E-11	4.30E-12	8.57E-11
10203	471530.99	3820046.5	2.2E-10	9.26E-10	8.33E-11	1.23E-09	1.84E-10	6.80E-10	5.98E-11	9.23E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.24E-11	4.30E-12	8.56E-11
10204	471527.23	3820055.34	2.2E-10	9.25E-10	8.33E-11	1.23E-09	1.83E-10	6.79E-10	5.98E-11	9.23E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.23E-11	4.30E-12	8.55E-11
10205	471523.47	3820064.17	2.2E-10	9.24E-10	8.32E-11	1.23E-09	1.83E-10	6.79E-10	5.97E-11	9.22E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.23E-11	4.29E-12	8.55E-11
10206	471519.71	3820073	2.2E-10	9.23E-10	8.31E-11	1.23E-09	1.83E-10	6.78E-10	5.97E-11	9.21E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.22E-11	4.29E-12	8.54E-11
10207	471515.95	3820081.83	2.2E-10	9.22E-10	8.30E-11	1.22E-09	1.83E-10	6.77E-10	5.96E-11	9.20E-10	2.07E-11	1.19E-10	1.42E-11	1.54E-10	1.88E-11	6.21E-11	4.28E-12	8.53E-11
10208	471512.19	3820090.66	2.19E-10	9.21E-10	8.29E-11	1.22E-09	1.83E-10	6.76E-10	5.95E-11	9.19E-10	2.07E-11	1.19E-10	1.41E-11	1.53E-10	1.88E-11	6.20E-11	4.28E-12	8.51E-11
10209	471508.43	3820099.49	2.19E-10	9.20E-10	8.28E-11	1.22E-09	1.82E-10	6.76E-10	5.94E-11	9.17E-10	2.07E-11	1.18E-10	1.41E-11	1.53E-10	1.88E-11	6.20E-11	4.27E-12	8.50E-11
10210	471504.67	3820108.32	2.19E-10	9.18E-10	8.27E-11	1.22E-09	1.82E-10	6.75E-10	5.94E-11	9.16E-10	2.06E-11	1.18E-10	1.41E-11	1.53E-10	1.88E-11	6.19E-11	4.27E-12	8.49E-11
10211	471500.9	3820117.15	2.18E-10	9.17E-10	8.26E-11	1.22E-09	1.82E-10	6.74E-10	5.93E-11	9.15E-10	2.06E-11	1.18E-10	1.41E-11	1.53E-10	1.87E-11	6.18E-11	4.26E-12	8.48E-11
10212	471497.14	3820125.98	2.18E-10	9.15E-10	8.24E-11	1.22E-09	1.82E-10	6.73E-10	5.92E-11	9.13E-10	2.06E-11	1.18E-10	1.41E-11	1.52E-10	1.87E-11	6.17E-11	4.25E-12	8.47E-11
10213	471493.38	3820134.81	2.18E-10	9.14E-10	8.23E-11	1.21E-09	1.81E-10	6.72E-10	5.91E-11	9.12E-10	2.06E-11	1.18E-10	1.40E-11	1.52E-10	1.87E-11	6.16E-11	4.25E-12	8.45E-11
10214	471489.62	3820143.64	2.17E-10	9.13E-10	8.22E-11	1.21E-09	1.81E-10	6.71E-10	5.90E-11	9.11E-10	2.05E-11	1.17E-10	1.40E-11	1.52E-10	1.87E-11	6.15E-11	4.24E-12	8.44E-11
10215	471485.86	3820152.47	2.17E-10	9.11E-10	8.21E-11	1.21E-09	1.81E-10	6.70E-10	5.89E-11	9.09E-10	2.05E-11	1.17E-10	1.40E-11	1.52E-10	1.86E-11	6.14E-11	4.23E-12	8.43E-11
10216	471482.1	3820161.3	2.17E-10	9.10E-10	8.20E-11	1.21E-09	1.81E-10	6.69E-10	5.88E-11	9.08E-10	2.05E-11	1.17E-10	1.40E-11	1.52E-10	1.86E-11	6.13E-11	4.23E-12	8.42E-11
10217	471478.34	3820170.13	2.16E-10	9.09E-10	8.18E-11	1.21E-09	1.80E-10	6.68E-10	5.87E-11	9.07E-10	2.04E-11	1.17E-10	1.40E-11	1.51E-10	1.86E-11	6.13E-11	4.22E-12	8.41E-11
10218	471474.58	3820178.96	2.16E-10	9.08E-10	8.17E-11	1.21E-09	1.80E-10	6.67E-10	5.87E-11	9.06E-10	2.04E-11	1.17E-10	1.39E-11	1.51E-10	1.86E-11	6.12E-11	4.22E-12	8.39E-11
10219	471470.82	3820187.79	2.16E-10	9.06E-10	8.16E-11	1.20E-09	1.80E-10	6.66E-10	5.86E-11	9.04E-10	2.04E-11	1.17E-10	1.39E-11	1.51E-10	1.85E-11	6.11E-11	4.21E-12	8.38E-11
10220	471467.06	3820196.62	2.15E-10	9.05E-10	8.15E-11	1.20E-09	1.79E-10	6.65E-10	5.85E-11	9.03E-10	2.03E-11	1.16E-10	1.39E-11	1.51E-10	1.85E-11	6.10E-11	4.20E-12	8.37E-11
10221	471463.3	3820205.45	2.15E-10	9.04E-10	8.14E-11	1.20E-09	1.79E-10	6.64E-10	5.84E-11	9.02E-10	2.03E-11	1.16E-10	1.39E-11	1.51E-10	1.85E-11	6.09E-11	4.20E-12	8.36E-11
10222	471459.54	3820214.28	2.15E-10	9.03E-10	8.13E-11	1.20E-09	1.79E-10	6.63E-10	5.83E-11	9.01E-10	2.03E-11	1.16E-10	1.39E-11	1.50E-10	1.85E-11	6.08E-11	4.19E-12	8.35E-11
10223	471455.78	3820223.12	2.15E-10	9.01E-10	8.11E-11	1.20E-09	1.79E-10	6.62E-10	5.82E-11	8.99E-10	2.03E-11	1.16E-10	1.38E-11	1.50E-10	1.84E-11	6.07E-11	4.19E-12	8.33E-11
10224	471452.02	3820231.95	2.14E-10	9.00E-10	8.10E-11	1.19E-09	1.78E-10	6.61E-10	5.82E-11	8.98E-10	2.02E-11	1.16E-10	1.38E-11	1.50E-10	1.84E-11	6.06E-11	4.18E-12	8.32E-11
10225	471448.26	3820240.78	2.14E-10	8.98E-10	8.09E-11	1.19E-09	1.78E-10	6.60E-10	5.81E-11	8.96E-10	2.02E-11	1.16E-10	1.38E-11	1.50E-10	1.84E-11	6.06E-11	4.17E-12	8.31E-11
10226	471444.49	3820249.61	2.14E-10	8.97E-10	8.08E-11	1.19E-09	1.78E-10	6.59E-10	5.80E-11	8.95E-10	2.02E-11	1.16E-10	1.38E-11	1.49E-10	1.83E-11	6.05E-11	4.17E-12	8.30E-11
10227	471440.73	3820258.44	2.13E-10	8.96E-10	8.07E-11	1.19E-09	1.78E-10	6.58E-10	5.79E-11	8.94E-10	2.01E-11	1.15E-10	1.38E-11	1.49E-10	1.83E-11	6.04E-11	4.16E-12	8.29E-11
10228	471436.97	3820267.27	2.13E-10	8.95E-10	8.06E-11	1.19E-09	1.78E-10	6.58E-10	5.79E-11	8.93E-10	2.01E-11	1.15E-10	1.37E-11	1.49E-10	1.83E-11	6.03E-11	4.16E-12	8.28E-11
10229	471433.21	3820276.1	2.13E-10	8.94E-10	8.05E-11	1.19E-09	1.77E-10	6.57E-10	5.78E-11	8.92E-10	2.01E-11	1.15E-10	1.37E-11	1.49E-10	1.83E-11	6.03E-11	4.15E-12	8.27E-11
10230	471429.45	3820284.93	2.13E-10	8.93E-10	8.04E-11	1.19E-09	1.77E-10	6.56E-10	5.77E-11	8.91E-10	2.01E-11	1.15E-10	1.37E-11	1.49E-10	1.82E-11	6.02E-11	4.15E-12	8.26E-11
10231	471425.69	3820293.76	2.12E-10	8.91E-10	8.03E-11	1.18E-09	1.77E-10	6.55E-10	5.76E-11	8.89E-10	2.00E-11	1.15E-10	1.37E-11	1.48E-10	1.82E-11	6.01E-11	4.14E-12	8.24E-11
10232	471421.93	3820302.59	2.12E-10	8.90E-10	8.02E-11	1.18E-09	1.77E-10	6.54E-10	5.75E-11	8.88E-10	2.00E-11	1.15E-10	1.37E-11	1.48E-10	1.82E-11	6.00E-11	4.14E-12	8.23E-11
10233	471418.17	3820311.42	2.12E-10	8.89E-10	8.00E-11	1.18E-09	1.76E-10	6.53E-10	5.74E-11	8.87E-10	2.00E-11	1.14E-10	1.36E-11	1.48E-10	1.82E-11	5.99E-11	4.13E-12	8.22E-11
10234	471414.41	3820320.25	2.11E-10	8.88E-10	7.99E-11	1.18E-09	1.76E-10	6.52E-10	5.74E-11	8.86E-10	2.00E-11	1.14E-10	1.36E-11	1.48E-10	1.81E-11	5.98E-11	4.12E-12	8.21E-11
10235	471410.65	3820329.08	2.11E-10	8.87E-10	7.98E-11	1.18E-09	1.76E-10	6.52E-10	5.73E-11	8.85E-10	1.99E-11	1.14E-10	1.36E-11	1.48E-10	1.81E-11	5.98E-11	4.12E-12	8.20E-11
10236	471406.89	3820337.91	2.11E-10	8.85E-10	7.97E-11	1.18E-09	1.76E-10	6.51E-10	5.72E-11	8.83E-10	1.99E-11	1.14E-10	1.36E-11	1.47E-10	1.81E-11	5.97E-11	4.11E-12	8.19E-11
10237	471403.13	3820346.74	2.11E-10	8.84E-10	7.96E-11	1.17E-09	1.75E-10	6.50E-10	5.72E-11	8.82E-10	1.99E-11	1.14E-10	1.36E-11	1.47E-10	1.81E-11	5.96E-11	4.11E-12	8.18E-11
10238	471399.37	3820355.57	2.1E-10	8.84E-10	7.96E-11	1.17E-09	1.75E-10	6.49E-10	5.71E-11	8.82E-10	1.99E-11	1.14E-10	1.36E-11	1.47E-10	1.81E-11	5.96E-11	4.11E-12	8.17E-11
10239	471395.61	3820364.4	2.1E-10	8.82E-10	7.94E-11	1.17E-09	1.75E-10	6.48E-10	5.70E-11	8.80E-10	1.98E-11	1.14E-10	1.35E-11	1.47E-10	1.80E-11	5.95E-11	4.10E-12	8.16E-11
10240	471391.85	3820373.23	2.1E-10	8.81E-10	7.93E-11	1.17E-09	1.75E-10	6.47E-10	5.69E-11	8.79E-10	1.98E-11	1.13E-10	1.35E-11	1.47E-10	1.80E-11	5.94E-11	4.09E-12	8.15E-11
10241	471388.08	3820382.06	2.09E-10	8.80E-10	7.92E-11	1.17E-09	1.74E-10	6.46E-10	5.69E-11	8.78E-10	1.98E-11	1.13E-10	1.35E-11	1.47E-10	1.80E-11	5.93E-11	4.09E-12	8.14E-11
10242	471384.32	3820390.89	2.09E-10	8.78E-10	7.91E-11	1.17E-09	1.74E-10	6.45E-10	5.68E-11	8.76E-10	1.97E-11	1.13E-10	1.35E-11	1.46E-10	1.79E-11	5.92E-11	4.08E-12	8.12E-11
10243	471380.56	3820399.73	2.09E-10	8.76E-10	7.89E-11	1.16E-09	1.74E-10	6.44E-10	5.67E-11	8.75E-10	1.97E-11	1.13E-10	1.35E-11	1.46E-10	1.79E-11	5.91E-11	4.07E-12	8.11E-11
10244	471376.8	3820408.56	2.08E-10	8.75E-10	7.88E-11	1.16E-09	1.74E-10	6.43E-10	5.66E-11	8.73E-10	1.97E-11	1.13E-10	1.34E-11	1.46E-10	1.79E-11	5.90E-11	4.07E-12	8.09E-11
10245	471373.04	3820417.39	2.08E-10	8.73E-10	7.86E-11	1.16E-09	1.73E-10	6.42E-10	5.64E-11	8.71E-10	1.96E-11	1.12E-10	1.34E-11	1.45E-10	1.78E-11	5.88E-11	4.06E-12	8.08E-11
10246	471369.28	3820426.22	2.07E-10	8.71E-10	7.85E-11	1.16E-09	1.73E-10	6.40E-10	5.63E-11	8.69E-10	1.96E-11	1.12E-10	1.34E-11	1.45E-10	1.78E-11	5.87E-11	4.05E-12	8.06E-11

10247	471365.52	3820435.05	2.07E-10	8.69E-10	7.83E-11	1.15E-09	1.72E-10	6.39E-10	5.62E-11	8.67E-10	1.96E-11	1.12E-10	1.34E-11	1.45E-10	1.78E-11	5.86E-11	4.04E-12	8.04E-11
10248	471361.76	3820443.88	2.07E-10	8.68E-10	7.81E-11	1.15E-09	1.72E-10	6.38E-10	5.61E-11	8.66E-10	1.95E-11	1.12E-10	1.33E-11	1.45E-10	1.77E-11	5.85E-11	4.03E-12	8.02E-11
10249	471358	3820452.71	2.06E-10	8.66E-10	7.79E-11	1.15E-09	1.72E-10	6.36E-10	5.59E-11	8.64E-10	1.95E-11	1.11E-10	1.33E-11	1.44E-10	1.77E-11	5.83E-11	4.02E-12	8.01E-11
10250	471354.24	3820461.54	2.06E-10	8.63E-10	7.78E-11	1.15E-09	1.71E-10	6.34E-10	5.58E-11	8.62E-10	1.94E-11	1.11E-10	1.33E-11	1.44E-10	1.77E-11	5.82E-11	4.01E-12	7.99E-11
10251	471350.48	3820470.37	2.05E-10	8.61E-10	7.76E-11	1.14E-09	1.71E-10	6.33E-10	5.57E-11	8.59E-10	1.94E-11	1.11E-10	1.32E-11	1.43E-10	1.76E-11	5.81E-11	4.00E-12	7.97E-11
10252	471346.72	3820479.2	2.05E-10	8.59E-10	7.74E-11	1.14E-09	1.70E-10	6.31E-10	5.55E-11	8.57E-10	1.93E-11	1.11E-10	1.32E-11	1.43E-10	1.76E-11	5.79E-11	3.99E-12	7.95E-11
10253	471342.96	3820488.03	2.04E-10	8.57E-10	7.72E-11	1.14E-09	1.70E-10	6.30E-10	5.54E-11	8.55E-10	1.93E-11	1.10E-10	1.32E-11	1.43E-10	1.75E-11	5.78E-11	3.98E-12	7.93E-11
10254	471339.2	3820496.86	2.03E-10	8.55E-10	7.70E-11	1.13E-09	1.69E-10	6.28E-10	5.52E-11	8.53E-10	1.92E-11	1.10E-10	1.31E-11	1.42E-10	1.75E-11	5.76E-11	3.97E-12	7.90E-11
10255	471335.44	3820505.69	2.03E-10	8.52E-10	7.67E-11	1.13E-09	1.69E-10	6.26E-10	5.51E-11	8.50E-10	1.92E-11	1.10E-10	1.31E-11	1.42E-10	1.74E-11	5.74E-11	3.96E-12	7.88E-11
10256	471331.67	3820514.52	2.02E-10	8.49E-10	7.65E-11	1.13E-09	1.68E-10	6.24E-10	5.49E-11	8.47E-10	1.91E-11	1.09E-10	1.30E-11	1.41E-10	1.74E-11	5.72E-11	3.95E-12	7.86E-11
10257	471319	3820526.91	2.03E-10	8.51E-10	7.67E-11	1.13E-09	1.69E-10	6.25E-10	5.50E-11	8.49E-10	1.91E-11	1.10E-10	1.31E-11	1.42E-10	1.74E-11	5.74E-11	3.95E-12	7.87E-11
10258	471310.09	3820530.47	2.04E-10	8.55E-10	7.70E-11	1.14E-09	1.70E-10	6.28E-10	5.53E-11	8.53E-10	1.92E-11	1.10E-10	1.31E-11	1.42E-10	1.75E-11	5.76E-11	3.97E-12	7.91E-11
10259	471301.18	3820534.04	2.05E-10	8.59E-10	7.74E-11	1.14E-09	1.70E-10	6.31E-10	5.55E-11	8.57E-10	1.93E-11	1.11E-10	1.32E-11	1.43E-10	1.76E-11	5.79E-11	3.99E-12	7.95E-11
10260	471292.26	3820537.6	2.06E-10	8.63E-10	7.77E-11	1.15E-09	1.71E-10	6.34E-10	5.58E-11	8.61E-10	1.94E-11	1.11E-10	1.33E-11	1.44E-10	1.76E-11	5.82E-11	4.01E-12	7.98E-11
10261	471283.35	3820541.16	2.07E-10	8.67E-10	7.81E-11	1.15E-09	1.72E-10	6.37E-10	5.61E-11	8.65E-10	1.95E-11	1.12E-10	1.33E-11	1.44E-10	1.77E-11	5.85E-11	4.03E-12	8.02E-11
10262	471247.7	3820555.4	2.1E-10	8.82E-10	7.94E-11	1.17E-09	1.75E-10	6.48E-10	5.70E-11	8.80E-10	1.98E-11	1.14E-10	1.35E-11	1.47E-10	1.80E-11	5.95E-11	4.10E-12	8.16E-11
10263	471238.79	3820558.96	2.11E-10	8.86E-10	7.98E-11	1.18E-09	1.76E-10	6.51E-10	5.73E-11	8.84E-10	1.99E-11	1.14E-10	1.36E-11	1.48E-10	1.81E-11	5.97E-11	4.12E-12	8.19E-11
10264	471229.87	3820562.52	2.12E-10	8.89E-10	8.01E-11	1.18E-09	1.76E-10	6.53E-10	5.75E-11	8.87E-10	2.00E-11	1.14E-10	1.37E-11	1.48E-10	1.82E-11	5.99E-11	4.13E-12	8.22E-11
10265	471220.96	3820566.09	2.13E-10	8.93E-10	8.04E-11	1.19E-09	1.77E-10	6.56E-10	5.77E-11	8.91E-10	2.01E-11	1.15E-10	1.37E-11	1.49E-10	1.82E-11	6.02E-11	4.15E-12	8.26E-11
10266	471212.05	3820569.65	2.13E-10	8.96E-10	8.07E-11	1.19E-09	1.78E-10	6.58E-10	5.79E-11	8.94E-10	2.01E-11	1.15E-10	1.38E-11	1.49E-10	1.83E-11	6.04E-11	4.16E-12	8.29E-11
10267	471203.13	3820573.21	2.14E-10	8.99E-10	8.10E-11	1.19E-09	1.78E-10	6.61E-10	5.81E-11	8.97E-10	2.02E-11	1.16E-10	1.38E-11	1.50E-10	1.84E-11	6.06E-11	4.18E-12	8.32E-11
10268	471194.22	3820576.77	2.15E-10	9.03E-10	8.13E-11	1.20E-09	1.79E-10	6.63E-10	5.84E-11	9.01E-10	2.03E-11	1.16E-10	1.39E-11	1.50E-10	1.85E-11	6.09E-11	4.19E-12	8.35E-11
10269	471185.31	3820580.33	2.16E-10	9.06E-10	8.16E-11	1.20E-09	1.80E-10	6.66E-10	5.86E-11	9.04E-10	2.04E-11	1.17E-10	1.39E-11	1.51E-10	1.85E-11	6.11E-11	4.21E-12	8.38E-11
10270	471176.39	3820583.89	2.17E-10	9.09E-10	8.19E-11	1.21E-09	1.80E-10	6.68E-10	5.88E-11	9.07E-10	2.04E-11	1.17E-10	1.40E-11	1.51E-10	1.86E-11	6.13E-11	4.23E-12	8.41E-11
10271	471167.48	3820587.45	2.17E-10	9.13E-10	8.22E-11	1.21E-09	1.81E-10	6.71E-10	5.90E-11	9.11E-10	2.05E-11	1.17E-10	1.40E-11	1.52E-10	1.87E-11	6.15E-11	4.24E-12	8.44E-11
10272	471158.57	3820591.01	2.18E-10	9.16E-10	8.25E-11	1.22E-09	1.82E-10	6.73E-10	5.92E-11	9.14E-10	2.06E-11	1.18E-10	1.41E-11	1.53E-10	1.87E-11	6.17E-11	4.26E-12	8.47E-11
10273	471149.66	3820594.57	2.19E-10	9.19E-10	8.28E-11	1.22E-09	1.82E-10	6.75E-10	5.94E-11	9.17E-10	2.07E-11	1.18E-10	1.41E-11	1.53E-10	1.88E-11	6.20E-11	4.27E-12	8.50E-11
10274	471140.74	3820598.14	2.2E-10	9.22E-10	8.31E-11	1.23E-09	1.83E-10	6.78E-10	5.96E-11	9.20E-10	2.07E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.22E-11	4.29E-12	8.53E-11
10275	471131.83	3820601.7	2.2E-10	9.26E-10	8.34E-11	1.23E-09	1.84E-10	6.80E-10	5.98E-11	9.24E-10	2.08E-11	1.19E-10	1.42E-11	1.54E-10	1.89E-11	6.24E-11	4.30E-12	8.56E-11
10276	471122.92	3820605.26	2.21E-10	9.29E-10	8.37E-11	1.23E-09	1.84E-10	6.83E-10	6.01E-11	9.27E-10	2.09E-11	1.20E-10	1.43E-11	1.55E-10	1.90E-11	6.26E-11	4.32E-12	8.59E-11
10277	471114	3820608.82	2.22E-10	9.33E-10	8.40E-11	1.24E-09	1.85E-10	6.85E-10	6.03E-11	9.30E-10	2.10E-11	1.20E-10	1.43E-11	1.55E-10	1.91E-11	6.29E-11	4.33E-12	8.63E-11
10278	471105.09	3820612.38	2.23E-10	9.36E-10	8.43E-11	1.24E-09	1.86E-10	6.88E-10	6.05E-11	9.34E-10	2.11E-11	1.21E-10	1.44E-11	1.56E-10	1.91E-11	6.31E-11	4.35E-12	8.66E-11
10279	471096.18	3820615.94	2.24E-10	9.40E-10	8.46E-11	1.25E-09	1.86E-10	6.91E-10	6.08E-11	9.38E-10	2.11E-11	1.21E-10	1.44E-11	1.57E-10	1.92E-11	6.33E-11	4.37E-12	8.69E-11
10280	471087.27	3820619.5	2.25E-10	9.44E-10	8.50E-11	1.25E-09	1.87E-10	6.93E-10	6.10E-11	9.41E-10	2.12E-11	1.21E-10	1.45E-11	1.57E-10	1.93E-11	6.36E-11	4.38E-12	8.73E-11
10281	471078.35	3820623.06	2.26E-10	9.47E-10	8.53E-11	1.26E-09	1.88E-10	6.96E-10	6.12E-11	9.45E-10	2.13E-11	1.22E-10	1.46E-11	1.58E-10	1.94E-11	6.39E-11	4.40E-12	8.76E-11
10282	471069.44	3820626.62	2.27E-10	9.51E-10	8.57E-11	1.26E-09	1.89E-10	6.99E-10	6.15E-11	9.49E-10	2.14E-11	1.22E-10	1.46E-11	1.58E-10	1.94E-11	6.41E-11	4.42E-12	8.80E-11
10283	471060.53	3820630.19	2.27E-10	9.55E-10	8.60E-11	1.27E-09	1.89E-10	7.02E-10	6.17E-11	9.53E-10	2.15E-11	1.23E-10	1.47E-11	1.59E-10	1.95E-11	6.44E-11	4.44E-12	8.84E-11
10284	471051.61	3820633.75	2.28E-10	9.59E-10	8.64E-11	1.27E-09	1.90E-10	7.05E-10	6.20E-11	9.57E-10	2.16E-11	1.23E-10	1.47E-11	1.60E-10	1.96E-11	6.47E-11	4.46E-12	8.87E-11
10285	471042.7	3820637.31	2.29E-10	9.63E-10	8.68E-11	1.28E-09	1.91E-10	7.08E-10	6.23E-11	9.61E-10	2.17E-11	1.24E-10	1.48E-11	1.60E-10	1.97E-11	6.49E-11	4.48E-12	8.91E-11
10286	471033.79	3820640.87	2.3E-10	9.68E-10	8.72E-11	1.29E-09	1.92E-10	7.11E-10	6.26E-11	9.66E-10	2.18E-11	1.25E-10	1.49E-11	1.61E-10	1.98E-11	6.52E-11	4.50E-12	8.95E-11
10287	471024.88	3820644.43	2.32E-10	9.72E-10	8.76E-11	1.29E-09	1.93E-10	7.15E-10	6.29E-11	9.70E-10	2.19E-11	1.25E-10	1.49E-11	1.62E-10	1.99E-11	6.55E-11	4.52E-12	8.99E-11
10288	471015.96	3820647.99	2.33E-10	9.77E-10	8.80E-11	1.30E-09	1.94E-10	7.18E-10	6.32E-11	9.75E-10	2.20E-11	1.26E-10	1.50E-11	1.63E-10	2.00E-11	6.59E-11	4.54E-12	9.04E-11
10289	471007.05	3820651.55	2.34E-10	9.83E-10	8.85E-11	1.31E-09	1.95E-10	7.22E-10	6.35E-11	9.80E-10	2.21E-11	1.26E-10	1.51E-11	1.64E-10	2.01E-11	6.62E-11	4.57E-12	9.09E-11
10290	470998.14	3820655.11	2.35E-10	9.88E-10	8.90E-11	1.31E-09	1.96E-10	7.26E-10	6.39E-11	9.86E-10	2.22E-11	1.27E-10	1.52E-11	1.65E-10	2.02E-11	6.66E-11	4.59E-12	9.14E-11
10291	470989.22	3820658.67	2.37E-10	9.94E-10	8.95E-11	1.32E-09	1.97E-10	7.30E-10	6.42E-11	9.91E-10	2.23E-11	1.28E-10	1.53E-11	1.66E-10	2.03E-11	6.70E-11	4.62E-12	9.19E-11
10292	470980.31	3820662.24	2.38E-10	1.00E-09	9.00E-11	1.33E-09	1.98E-10	7.35E-10	6.46E-11	9.97E-10	2.25E-11	1.29E-10	1.54E-11	1.67E-10	2.04E-11	6.74E-11	4.64E-12	9.25E-11
10293	470900.1	3820694.29	2.55E-10	1.07E-09	9.64E-11	1.42E-09	2.12E-10	7.87E-10	6.92E-11	1.07E-09	2.41E-11	1.38E-10	1.64E-11	1.78E-10	2.19E-11	7.22E-11	4.98E-12	9.90E-11
10294	470891.18	3820697.85	2.57E-10	1.08E-09	9.73E-11	1.43E-09	2.14E-10	7.94E-10	6.98E-11	1.08E-09	2.43E-11	1.39E-10	1.66E-11	1.80E-10	2.21E-11	7.28E-11	5.02E-12	9.99E-11
10295	470882.27	3820701.41	2.59E-10	1.09E-09	9.81E-11	1.45E-09	2.16E-10	8.00E-10	7.04E-11	1.09E-09	2.45E-11	1.40E-10	1.67E-11	1.81E-10	2.23E-11	7.34E-11	5.06E-12	1.01E-10
10296	470873.36	3820704.97	2.62E-10	1.10E-09	9.90E-11	1.46E-09	2.18E-10	8.08E-10	7.10E-11	1.10E-09	2.47E-11	1.41E-10	1.69E-11	1.83E-10	2.25E-11	7.41E-11	5.11E-12	1.02E-10

10297	470864.44	3820708.53	2.64E-10	1.11E-09	9.99E-11	1.47E-09	2.20E-10	8.15E-10	7.17E-11	1.11E-09	2.49E-11	1.43E-10	1.70E-11	1.85E-10	2.27E-11	7.47E-11	5.15E-12	1.03E-10
10298	470855.53	3820712.09	2.66E-10	1.12E-09	1.01E-10	1.49E-09	2.22E-10	8.22E-10	7.23E-11	1.12E-09	2.52E-11	1.44E-10	1.72E-11	1.86E-10	2.29E-11	7.54E-11	5.20E-12	1.04E-10
10299	470846.62	3820715.65	2.69E-10	1.13E-09	1.02E-10	1.50E-09	2.24E-10	8.30E-10	7.30E-11	1.13E-09	2.54E-11	1.45E-10	1.73E-11	1.88E-10	2.31E-11	7.61E-11	5.25E-12	1.04E-10
10300	470837.71	3820719.21	2.71E-10	1.14E-09	1.03E-10	1.51E-09	2.26E-10	8.38E-10	7.37E-11	1.14E-09	2.56E-11	1.47E-10	1.75E-11	1.90E-10	2.33E-11	7.68E-11	5.30E-12	1.05E-10
10301	470828.79	3820722.77	2.74E-10	1.15E-09	1.04E-10	1.53E-09	2.28E-10	8.46E-10	7.44E-11	1.15E-09	2.59E-11	1.48E-10	1.77E-11	1.92E-10	2.35E-11	7.76E-11	5.35E-12	1.06E-10
10302	470819.88	3820726.34	2.76E-10	1.16E-09	1.05E-10	1.54E-09	2.30E-10	8.53E-10	7.51E-11	1.16E-09	2.61E-11	1.49E-10	1.78E-11	1.93E-10	2.37E-11	7.83E-11	5.40E-12	1.07E-10
10303	470810.97	3820729.9	2.79E-10	1.17E-09	1.05E-10	1.56E-09	2.32E-10	8.61E-10	7.57E-11	1.17E-09	2.63E-11	1.51E-10	1.80E-11	1.95E-10	2.39E-11	7.89E-11	5.44E-12	1.08E-10
10304	470802.05	3820733.46	2.81E-10	1.18E-09	1.06E-10	1.57E-09	2.34E-10	8.68E-10	7.64E-11	1.18E-09	2.66E-11	1.52E-10	1.82E-11	1.97E-10	2.42E-11	7.97E-11	5.49E-12	1.09E-10
10305	470793.14	3820737.02	2.84E-10	1.19E-09	1.07E-10	1.58E-09	2.36E-10	8.75E-10	7.70E-11	1.19E-09	2.68E-11	1.53E-10	1.83E-11	1.98E-10	2.44E-11	8.03E-11	5.54E-12	1.10E-10
10306	470784.23	3820740.58	2.86E-10	1.20E-09	1.08E-10	1.59E-09	2.38E-10	8.82E-10	7.76E-11	1.20E-09	2.70E-11	1.55E-10	1.84E-11	2.00E-10	2.45E-11	8.09E-11	5.58E-12	1.11E-10
10307	470775.32	3820744.14	2.88E-10	1.21E-09	1.09E-10	1.61E-09	2.40E-10	8.89E-10	7.82E-11	1.21E-09	2.72E-11	1.56E-10	1.86E-11	2.02E-10	2.47E-11	8.15E-11	5.62E-12	1.12E-10
10308	470766.4	3820747.7	2.9E-10	1.22E-09	1.10E-10	1.62E-09	2.42E-10	8.96E-10	7.88E-11	1.22E-09	2.74E-11	1.57E-10	1.87E-11	2.03E-10	2.49E-11	8.22E-11	5.66E-12	1.13E-10
10309	470757.49	3820751.26	2.93E-10	1.23E-09	1.11E-10	1.63E-09	2.44E-10	9.03E-10	7.94E-11	1.23E-09	2.76E-11	1.58E-10	1.89E-11	2.05E-10	2.51E-11	8.28E-11	5.71E-12	1.14E-10
10310	470748.58	3820754.82	2.95E-10	1.24E-09	1.12E-10	1.65E-09	2.46E-10	9.10E-10	8.01E-11	1.24E-09	2.79E-11	1.59E-10	1.90E-11	2.06E-10	2.53E-11	8.35E-11	5.75E-12	1.15E-10
10311	470739.66	3820758.39	2.97E-10	1.25E-09	1.12E-10	1.66E-09	2.48E-10	9.17E-10	8.07E-11	1.25E-09	2.81E-11	1.61E-10	1.92E-11	2.08E-10	2.55E-11	8.42E-11	5.80E-12	1.15E-10
10312	470730.75	3820761.95	3E-10	1.26E-09	1.13E-10	1.67E-09	2.50E-10	9.25E-10	8.14E-11	1.26E-09	2.83E-11	1.62E-10	1.93E-11	2.10E-10	2.57E-11	8.49E-11	5.85E-12	1.16E-10
10313	470721.84	3820765.51	3.02E-10	1.27E-09	1.14E-10	1.69E-09	2.52E-10	9.33E-10	8.20E-11	1.27E-09	2.85E-11	1.63E-10	1.95E-11	2.11E-10	2.59E-11	8.55E-11	5.90E-12	1.17E-10
10314	470712.93	3820769.07	3.05E-10	1.28E-09	1.15E-10	1.70E-09	2.54E-10	9.40E-10	8.27E-11	1.28E-09	2.88E-11	1.65E-10	1.96E-11	2.13E-10	2.61E-11	8.62E-11	5.94E-12	1.18E-10
10315	470704.01	3820772.63	3.07E-10	1.29E-09	1.16E-10	1.71E-09	2.56E-10	9.47E-10	8.33E-11	1.29E-09	2.90E-11	1.66E-10	1.98E-11	2.15E-10	2.63E-11	8.69E-11	5.99E-12	1.19E-10
10316	470695.1	3820776.19	3.09E-10	1.30E-09	1.17E-10	1.72E-09	2.57E-10	9.54E-10	8.39E-11	1.30E-09	2.92E-11	1.67E-10	1.99E-11	2.16E-10	2.65E-11	8.75E-11	6.03E-12	1.20E-10
10317	470686.19	3820779.75	3.11E-10	1.31E-09	1.18E-10	1.74E-09	2.59E-10	9.61E-10	8.45E-11	1.30E-09	2.94E-11	1.68E-10	2.01E-11	2.18E-10	2.67E-11	8.81E-11	6.07E-12	1.21E-10
10318	470677.27	3820783.31	3.13E-10	1.32E-09	1.19E-10	1.75E-09	2.61E-10	9.67E-10	8.51E-11	1.31E-09	2.96E-11	1.69E-10	2.02E-11	2.19E-10	2.69E-11	8.87E-11	6.12E-12	1.22E-10
10319	470668.36	3820786.87	3.15E-10	1.32E-09	1.19E-10	1.76E-09	2.63E-10	9.73E-10	8.56E-11	1.32E-09	2.98E-11	1.71E-10	2.03E-11	2.21E-10	2.71E-11	8.93E-11	6.15E-12	1.23E-10
10320	470659.45	3820790.44	3.17E-10	1.33E-09	1.20E-10	1.77E-09	2.64E-10	9.79E-10	8.61E-11	1.33E-09	3.00E-11	1.72E-10	2.05E-11	2.22E-10	2.72E-11	8.98E-11	6.19E-12	1.23E-10
10321	470650.54	3820794	3.19E-10	1.34E-09	1.21E-10	1.78E-09	2.66E-10	9.85E-10	8.66E-11	1.34E-09	3.01E-11	1.73E-10	2.06E-11	2.23E-10	2.74E-11	9.03E-11	6.23E-12	1.24E-10
10322	470641.62	3820797.56	3.21E-10	1.35E-09	1.21E-10	1.79E-09	2.67E-10	9.90E-10	8.71E-11	1.34E-09	3.03E-11	1.73E-10	2.07E-11	2.24E-10	2.75E-11	9.08E-11	6.26E-12	1.25E-10
10323	470632.71	3820801.12	3.23E-10	1.35E-09	1.22E-10	1.80E-09	2.69E-10	9.95E-10	8.76E-11	1.35E-09	3.05E-11	1.74E-10	2.08E-11	2.26E-10	2.77E-11	9.13E-11	6.29E-12	1.25E-10
10324	470623.8	3820804.68	3.24E-10	1.36E-09	1.23E-10	1.81E-09	2.70E-10	1.00E-09	8.80E-11	1.36E-09	3.06E-11	1.75E-10	2.09E-11	2.27E-10	2.78E-11	9.18E-11	6.33E-12	1.26E-10
10325	470614.88	3820808.24	3.26E-10	1.37E-09	1.23E-10	1.82E-09	2.71E-10	1.00E-09	8.84E-11	1.36E-09	3.08E-11	1.76E-10	2.10E-11	2.28E-10	2.80E-11	9.22E-11	6.35E-12	1.26E-10
10326	470605.97	3820811.8	3.27E-10	1.37E-09	1.24E-10	1.82E-09	2.72E-10	1.01E-09	8.88E-11	1.37E-09	3.09E-11	1.77E-10	2.11E-11	2.29E-10	2.81E-11	9.26E-11	6.38E-12	1.27E-10
10327	470597.06	3820815.36	3.28E-10	1.38E-09	1.24E-10	1.83E-09	2.74E-10	1.01E-09	8.91E-11	1.38E-09	3.10E-11	1.78E-10	2.12E-11	2.30E-10	2.82E-11	9.29E-11	6.41E-12	1.28E-10
10328	470588.15	3820818.92	3.3E-10	1.38E-09	1.25E-10	1.84E-09	2.75E-10	1.02E-09	8.95E-11	1.38E-09	3.11E-11	1.78E-10	2.13E-11	2.31E-10	2.83E-11	9.33E-11	6.43E-12	1.28E-10
10329	470579.23	3820822.49	3.31E-10	1.39E-09	1.25E-10	1.84E-09	2.75E-10	1.02E-09	8.98E-11	1.39E-09	3.12E-11	1.79E-10	2.13E-11	2.31E-10	2.84E-11	9.36E-11	6.45E-12	1.28E-10
10330	470570.32	3820826.05	3.32E-10	1.39E-09	1.25E-10	1.85E-09	2.76E-10	1.02E-09	9.00E-11	1.39E-09	3.13E-11	1.79E-10	2.14E-11	2.32E-10	2.85E-11	9.39E-11	6.47E-12	1.29E-10
10331	470561.41	3820829.61	3.33E-10	1.40E-09	1.26E-10	1.86E-09	2.77E-10	1.03E-09	9.03E-11	1.39E-09	3.14E-11	1.80E-10	2.15E-11	2.33E-10	2.86E-11	9.41E-11	6.49E-12	1.29E-10
10332	470552.49	3820833.17	3.34E-10	1.40E-09	1.26E-10	1.86E-09	2.78E-10	1.03E-09	9.06E-11	1.40E-09	3.15E-11	1.80E-10	2.15E-11	2.33E-10	2.86E-11	9.44E-11	6.51E-12	1.30E-10
10333	470490.1	3820858.1	3.38E-10	1.42E-09	1.28E-10	1.89E-09	2.82E-10	1.04E-09	9.18E-11	1.42E-09	3.19E-11	1.83E-10	2.18E-11	2.37E-10	2.90E-11	9.58E-11	6.60E-12	1.31E-10
10334	470481.19	3820861.66	3.39E-10	1.42E-09	1.28E-10	1.89E-09	2.82E-10	1.05E-09	9.19E-11	1.42E-09	3.20E-11	1.83E-10	2.18E-11	2.37E-10	2.91E-11	9.59E-11	6.61E-12	1.32E-10
10335	470472.28	3820865.22	3.39E-10	1.42E-09	1.28E-10	1.89E-09	2.82E-10	1.05E-09	9.20E-11	1.42E-09	3.20E-11	1.83E-10	2.19E-11	2.37E-10	2.91E-11	9.60E-11	6.61E-12	1.32E-10
10336	470463.37	3820868.78	3.39E-10	1.43E-09	1.28E-10	1.89E-09	2.83E-10	1.05E-09	9.21E-11	1.42E-09	3.21E-11	1.83E-10	2.19E-11	2.37E-10	2.91E-11	9.61E-11	6.62E-12	1.32E-10
10337	470454.45	3820872.34	3.4E-10	1.43E-09	1.29E-10	1.90E-09	2.83E-10	1.05E-09	9.23E-11	1.42E-09	3.21E-11	1.84E-10	2.19E-11	2.38E-10	2.92E-11	9.62E-11	6.63E-12	1.32E-10
10338	470445.54	3820875.9	3.4E-10	1.43E-09	1.29E-10	1.90E-09	2.84E-10	1.05E-09	9.24E-11	1.43E-09	3.21E-11	1.84E-10	2.20E-11	2.38E-10	2.92E-11	9.63E-11	6.64E-12	1.32E-10
10339	470436.63	3820879.46	3.41E-10	1.43E-09	1.29E-10	1.90E-09	2.84E-10	1.05E-09	9.25E-11	1.43E-09	3.22E-11	1.84E-10	2.20E-11	2.38E-10	2.93E-11	9.64E-11	6.65E-12	1.32E-10
10340	470427.71	3820883.02	3.41E-10	1.43E-09	1.29E-10	1.90E-09	2.84E-10	1.05E-09	9.26E-11	1.43E-09	3.22E-11	1.84E-10	2.20E-11	2.39E-10	2.93E-11	9.66E-11	6.66E-12	1.33E-10
10341	470418.8	3820886.58	3.42E-10	1.43E-09	1.29E-10	1.91E-09	2.84E-10	1.05E-09	9.27E-11	1.43E-09	3.23E-11	1.85E-10	2.20E-11	2.39E-10	2.93E-11	9.67E-11	6.66E-12	1.33E-10
10342	470392.06	3820897.27	3.43E-10	1.44E-09	1.30E-10	1.91E-09	2.86E-10	1.06E-09	9.31E-11	1.44E-09	3.24E-11	1.85E-10	2.21E-11	2.40E-10	2.94E-11	9.71E-11	6.69E-12	1.33E-10
10343	470383.15	3820900.83	3.43E-10	1.44E-09	1.30E-10	1.92E-09	2.86E-10	1.06E-09	9.32E-11	1.44E-09	3.24E-11	1.86E-10	2.22E-11	2.40E-10	2.95E-11	9.72E-11	6.70E-12	1.33E-10
10344	470374.24	3820904.39	3.44E-10	1.45E-09	1.30E-10	1.92E-09	2.87E-10	1.06E-09	9.34E-11	1.44E-09	3.25E-11	1.86E-10	2.22E-11	2.41E-10	2.95E-11	9.74E-11	6.71E-12	1.34E-10
10345	470365.32	3820907.95	3.45E-10	1.45E-09	1.30E-10	1.92E-09	2.87E-10	1.06E-09	9.36E-11	1.44E-09	3.26E-11	1.86E-10	2.22E-11	2.41E-10	2.96E-11	9.76E-11	6.73E-12	1.34E-10
10346	470356.41	3820911.51	3.46E-10	1.45E-09	1.31E-10	1.93E-09	2.88E-10	1.07E-09	9.38E-11	1.45E-09	3.26E-11	1.87E-10	2.23E-11	2.42E-10	2.97E-11	9.78E-11	6.74E-12	1.34E-10

10347	470347.5	3820915.07	3.46E-10	1.45E-09	1.31E-10	1.93E-09	2.89E-10	1.07E-09	9.40E-11	1.45E-09	3.27E-11	1.87E-10	2.23E-11	2.42E-10	2.97E-11	9.81E-11	6.76E-12	1.35E-10
10348	470338.59	3820918.63	3.47E-10	1.46E-09	1.31E-10	1.94E-09	2.89E-10	1.07E-09	9.43E-11	1.46E-09	3.28E-11	1.88E-10	2.24E-11	2.43E-10	2.98E-11	9.83E-11	6.78E-12	1.35E-10
10349	470329.67	3820922.2	3.48E-10	1.46E-09	1.32E-10	1.94E-09	2.90E-10	1.07E-09	9.45E-11	1.46E-09	3.29E-11	1.88E-10	2.25E-11	2.44E-10	2.99E-11	9.86E-11	6.80E-12	1.35E-10
10350	470320.76	3820925.76	3.49E-10	1.47E-09	1.32E-10	1.95E-09	2.91E-10	1.08E-09	9.48E-11	1.46E-09	3.30E-11	1.89E-10	2.25E-11	2.44E-10	3.00E-11	9.89E-11	6.81E-12	1.36E-10
10351	470311.85	3820929.32	3.5E-10	1.47E-09	1.32E-10	1.95E-09	2.92E-10	1.08E-09	9.51E-11	1.47E-09	3.31E-11	1.89E-10	2.26E-11	2.45E-10	3.01E-11	9.92E-11	6.84E-12	1.36E-10
10352	470302.93	3820932.88	3.51E-10	1.48E-09	1.33E-10	1.96E-09	2.93E-10	1.08E-09	9.54E-11	1.47E-09	3.32E-11	1.90E-10	2.27E-11	2.46E-10	3.02E-11	9.95E-11	6.86E-12	1.37E-10
10353	470294.02	3820936.44	3.53E-10	1.48E-09	1.33E-10	1.97E-09	2.94E-10	1.09E-09	9.57E-11	1.48E-09	3.33E-11	1.91E-10	2.27E-11	2.47E-10	3.03E-11	9.98E-11	6.88E-12	1.37E-10
10354	470285.11	3820940	3.54E-10	1.49E-09	1.34E-10	1.97E-09	2.95E-10	1.09E-09	9.61E-11	1.48E-09	3.34E-11	1.91E-10	2.28E-11	2.48E-10	3.04E-11	1.00E-10	6.90E-12	1.37E-10
10355	470276.2	3820943.56	3.55E-10	1.49E-09	1.34E-10	1.98E-09	2.96E-10	1.10E-09	9.64E-11	1.49E-09	3.35E-11	1.92E-10	2.29E-11	2.48E-10	3.05E-11	1.01E-10	6.93E-12	1.38E-10
10356	470267.28	3820947.12	3.56E-10	1.50E-09	1.35E-10	1.99E-09	2.97E-10	1.10E-09	9.68E-11	1.49E-09	3.37E-11	1.93E-10	2.30E-11	2.49E-10	3.06E-11	1.01E-10	6.96E-12	1.38E-10
10357	471779.19	3819463.69	1.74E-10	7.32E-10	6.59E-11	9.72E-10	1.45E-10	5.38E-10	4.73E-11	7.30E-10	1.65E-11	9.42E-11	1.12E-11	1.22E-10	1.50E-11	4.93E-11	3.40E-12	6.77E-11
10358	471779.28	3819454.04	1.74E-10	7.30E-10	6.57E-11	9.70E-10	1.45E-10	5.36E-10	4.72E-11	7.28E-10	1.64E-11	9.40E-11	1.12E-11	1.22E-10	1.49E-11	4.92E-11	3.39E-12	6.75E-11
10359	471779.36	3819444.39	1.73E-10	7.28E-10	6.56E-11	9.67E-10	1.44E-10	5.35E-10	4.71E-11	7.26E-10	1.64E-11	9.37E-11	1.12E-11	1.21E-10	1.49E-11	4.91E-11	3.38E-12	6.73E-11
10360	471779.44	3819434.75	1.73E-10	7.26E-10	6.54E-11	9.64E-10	1.44E-10	5.33E-10	4.69E-11	7.24E-10	1.63E-11	9.34E-11	1.11E-11	1.21E-10	1.48E-11	4.89E-11	3.37E-12	6.71E-11
10361	471779.53	3819425.1	1.72E-10	7.24E-10	6.52E-11	9.61E-10	1.44E-10	5.32E-10	4.68E-11	7.22E-10	1.63E-11	9.31E-11	1.11E-11	1.21E-10	1.48E-11	4.88E-11	3.36E-12	6.69E-11
10362	471779.61	3819415.45	1.72E-10	7.21E-10	6.49E-11	9.58E-10	1.43E-10	5.30E-10	4.66E-11	7.19E-10	1.62E-11	9.28E-11	1.11E-11	1.20E-10	1.47E-11	4.86E-11	3.35E-12	6.67E-11
10363	471779.69	3819405.8	1.71E-10	7.18E-10	6.47E-11	9.54E-10	1.42E-10	5.28E-10	4.64E-11	7.17E-10	1.62E-11	9.25E-11	1.10E-11	1.20E-10	1.47E-11	4.84E-11	3.34E-12	6.64E-11
10364	471779.77	3819396.15	1.7E-10	7.15E-10	6.44E-11	9.50E-10	1.42E-10	5.26E-10	4.62E-11	7.14E-10	1.61E-11	9.21E-11	1.10E-11	1.19E-10	1.46E-11	4.82E-11	3.32E-12	6.62E-11
10365	471779.86	3819386.51	1.7E-10	7.12E-10	6.41E-11	9.46E-10	1.41E-10	5.23E-10	4.60E-11	7.10E-10	1.60E-11	9.17E-11	1.09E-11	1.19E-10	1.46E-11	4.80E-11	3.31E-12	6.59E-11
10366	471779.94	3819376.86	1.69E-10	7.09E-10	6.38E-11	9.41E-10	1.41E-10	5.21E-10	4.58E-11	7.07E-10	1.59E-11	9.12E-11	1.09E-11	1.18E-10	1.45E-11	4.78E-11	3.29E-12	6.55E-11
10367	471780.02	3819367.21	1.68E-10	7.05E-10	6.35E-11	9.37E-10	1.40E-10	5.18E-10	4.56E-11	7.04E-10	1.59E-11	9.08E-11	1.08E-11	1.17E-10	1.44E-11	4.75E-11	3.28E-12	6.52E-11
10368	471780.1	3819357.56	1.67E-10	7.02E-10	6.32E-11	9.32E-10	1.39E-10	5.16E-10	4.54E-11	7.00E-10	1.58E-11	9.03E-11	1.08E-11	1.17E-10	1.43E-11	4.73E-11	3.26E-12	6.49E-11
10369	471780.19	3819347.91	1.66E-10	6.98E-10	6.28E-11	9.27E-10	1.38E-10	5.13E-10	4.51E-11	6.96E-10	1.57E-11	8.98E-11	1.07E-11	1.16E-10	1.43E-11	4.70E-11	3.24E-12	6.45E-11
10370	471780.27	3819338.26	1.65E-10	6.94E-10	6.25E-11	9.21E-10	1.38E-10	5.10E-10	4.48E-11	6.92E-10	1.56E-11	8.93E-11	1.07E-11	1.16E-10	1.42E-11	4.67E-11	3.22E-12	6.41E-11
10371	471780.35	3819328.62	1.64E-10	6.89E-10	6.21E-11	9.16E-10	1.37E-10	5.07E-10	4.46E-11	6.88E-10	1.55E-11	8.87E-11	1.06E-11	1.15E-10	1.41E-11	4.65E-11	3.20E-12	6.38E-11
10372	471780.44	3819318.97	1.63E-10	6.85E-10	6.17E-11	9.10E-10	1.36E-10	5.03E-10	4.43E-11	6.83E-10	1.54E-11	8.82E-11	1.05E-11	1.14E-10	1.40E-11	4.62E-11	3.18E-12	6.34E-11
10373	471780.52	3819309.32	1.62E-10	6.80E-10	6.13E-11	9.03E-10	1.35E-10	5.00E-10	4.40E-11	6.79E-10	1.53E-11	8.76E-11	1.04E-11	1.13E-10	1.39E-11	4.59E-11	3.16E-12	6.29E-11
10374	471780.6	3819299.67	1.61E-10	6.75E-10	6.08E-11	8.97E-10	1.34E-10	4.96E-10	4.37E-11	6.74E-10	1.52E-11	8.69E-11	1.04E-11	1.12E-10	1.38E-11	4.55E-11	3.14E-12	6.25E-11
10375	471780.68	3819290.02	1.6E-10	6.70E-10	6.04E-11	8.90E-10	1.33E-10	4.93E-10	4.33E-11	6.69E-10	1.51E-11	8.63E-11	1.03E-11	1.12E-10	1.37E-11	4.52E-11	3.11E-12	6.20E-11
10376	471780.77	3819280.38	1.58E-10	6.65E-10	5.99E-11	8.83E-10	1.32E-10	4.89E-10	4.30E-11	6.64E-10	1.50E-11	8.56E-11	1.02E-11	1.11E-10	1.36E-11	4.48E-11	3.09E-12	6.15E-11
10377	471780.85	3819270.73	1.57E-10	6.60E-10	5.94E-11	8.76E-10	1.31E-10	4.85E-10	4.26E-11	6.58E-10	1.48E-11	8.49E-11	1.01E-11	1.10E-10	1.35E-11	4.45E-11	3.06E-12	6.10E-11
10378	471780.93	3819261.08	1.56E-10	6.54E-10	5.89E-11	8.69E-10	1.30E-10	4.81E-10	4.23E-11	6.53E-10	1.47E-11	8.42E-11	1.00E-11	1.09E-10	1.34E-11	4.41E-11	3.04E-12	6.05E-11
10379	470104.7	3819448.4	3.56E-08	1.50E-07	1.35E-08	1.99E-07	2.97E-08	1.10E-07	9.67E-09	1.49E-07	3.36E-09	1.93E-08	2.30E-09	2.49E-08	3.06E-09	1.01E-08	6.95E-10	1.38E-08
10380	470108.95	3819236.14	1.95E-08	8.21E-08	7.39E-09	1.09E-07	1.63E-08	6.03E-08	5.31E-09	8.19E-08	1.85E-09	1.06E-08	1.26E-09	1.37E-08	1.68E-09	5.53E-09	3.81E-10	7.59E-09
10381	470281.07	3819238.57	3.27E-08	1.37E-07	1.24E-08	1.83E-07	2.73E-08	1.01E-07	8.88E-09	1.37E-07	3.09E-09	1.77E-08	2.11E-09	2.29E-08	2.81E-09	9.26E-09	6.38E-10	1.27E-08
10382	470279.25	3819450.83	4.17E-08	1.75E-07	1.58E-08	2.32E-07	3.47E-08	1.29E-07	1.13E-08	1.75E-07	3.94E-09	2.25E-08	2.69E-09	2.92E-08	3.58E-09	1.18E-08	8.13E-10	1.62E-08

			T2		7411	T3			T4i			T4f		
			7407	470350.24	3819335.65									
			1.55E-03	6.53E-03	5.88E-04	1.29E-03	4.80E-03	4.22E-04	1.47E-04	8.40E-04	1.00E-04	1.33E-04	4.40E-04	3.03E-05
			Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3
1	470223.98	3819217.76	2.48E-03	1.04E-02	9.39E-04	2.07E-03	7.66E-03	6.74E-04	2.35E-04	1.34E-03	1.60E-04	2.13E-04	7.03E-04	4.85E-05
2	470214.42	3819217.63	2.53E-03	1.06E-02	9.57E-04	2.11E-03	7.80E-03	6.87E-04	2.39E-04	1.37E-03	1.63E-04	2.17E-04	7.16E-04	4.94E-05
3	470204.85	3819217.49	2.55E-03	1.07E-02	9.63E-04	2.12E-03	7.86E-03	6.91E-04	2.40E-04	1.38E-03	1.64E-04	2.19E-04	7.21E-04	4.97E-05
4	470195.29	3819217.36	2.54E-03	1.07E-02	9.60E-04	2.12E-03	7.84E-03	6.89E-04	2.40E-04	1.37E-03	1.64E-04	2.18E-04	7.19E-04	4.95E-05
5	470185.73	3819217.22	2.51E-03	1.05E-02	9.48E-04	2.09E-03	7.73E-03	6.80E-04	2.37E-04	1.35E-03	1.62E-04	2.15E-04	7.09E-04	4.89E-05
6	470271.93	3819208.44	1.35E-03	5.68E-03	5.12E-04	1.13E-03	4.17E-03	3.67E-04	1.28E-04	7.31E-04	8.73E-05	1.16E-04	3.83E-04	2.64E-05
7	470262.37	3819208.3	1.51E-03	6.34E-03	5.71E-04	1.26E-03	4.66E-03	4.10E-04	1.43E-04	8.17E-04	9.74E-05	1.30E-04	4.28E-04	2.95E-05
8	470252.81	3819208.17	1.65E-03	6.92E-03	6.24E-04	1.37E-03	5.09E-03	4.48E-04	1.56E-04	8.91E-04	1.06E-04	1.42E-04	4.67E-04	3.22E-05
9	470243.24	3819208.03	1.76E-03	7.41E-03	6.67E-04	1.47E-03	5.44E-03	4.79E-04	1.67E-04	9.54E-04	1.14E-04	1.51E-04	4.99E-04	3.44E-05
10	470233.68	3819207.9	1.85E-03	7.77E-03	7.00E-04	1.54E-03	5.71E-03	5.02E-04	1.75E-04	1.00E-03	1.19E-04	1.59E-04	5.24E-04	3.61E-05
11	470224.12	3819207.76	1.91E-03	8.04E-03	7.24E-04	1.59E-03	5.91E-03	5.20E-04	1.81E-04	1.03E-03	1.23E-04	1.64E-04	5.42E-04	3.74E-05
12	470214.56	3819207.63	1.96E-03	8.22E-03	7.40E-04	1.63E-03	6.04E-03	5.31E-04	1.85E-04	1.06E-03	1.26E-04	1.68E-04	5.54E-04	3.82E-05
13	470205	3819207.49	1.98E-03	8.30E-03	7.47E-04	1.65E-03	6.10E-03	5.36E-04	1.87E-04	1.07E-03	1.27E-04	1.70E-04	5.59E-04	3.86E-05
14	470195.43	3819207.36	1.98E-03	8.30E-03	7.47E-04	1.65E-03	6.10E-03	5.36E-04	1.87E-04	1.07E-03	1.27E-04	1.70E-04	5.59E-04	3.86E-05
15	470185.87	3819207.22	1.96E-03	8.21E-03	7.40E-04	1.63E-03	6.03E-03	5.31E-04	1.85E-04	1.06E-03	1.26E-04	1.68E-04	5.53E-04	3.82E-05
16	470166.75	3819206.95	1.86E-03	7.79E-03	7.02E-04	1.55E-03	5.72E-03	5.04E-04	1.75E-04	1.00E-03	1.20E-04	1.59E-04	5.25E-04	3.62E-05
17	470157.18	3819206.82	1.77E-03	7.44E-03	6.70E-04	1.48E-03	5.47E-03	4.81E-04	1.67E-04	9.58E-04	1.14E-04	1.52E-04	5.02E-04	3.46E-05
18	470147.62	3819206.68	1.66E-03	6.99E-03	6.29E-04	1.39E-03	5.13E-03	4.52E-04	1.57E-04	8.99E-04	1.07E-04	1.43E-04	4.71E-04	3.25E-05
19	470138.06	3819206.55	1.53E-03	6.41E-03	5.77E-04	1.27E-03	4.71E-03	4.14E-04	1.44E-04	8.25E-04	9.85E-05	1.31E-04	4.32E-04	2.98E-05
20	470128.5	3819206.41	1.36E-03	5.71E-03	5.15E-04	1.13E-03	4.20E-03	3.69E-04	1.28E-04	7.36E-04	8.78E-05	1.17E-04	3.85E-04	2.66E-05
21	470118.94	3819206.28	1.18E-03	4.97E-03	4.48E-04	9.87E-04	3.66E-03	3.22E-04	1.12E-04	6.40E-04	7.64E-05	1.02E-04	3.35E-04	2.31E-05
22	470109.37	3819206.14	1.01E-03	4.26E-03	3.84E-04	8.45E-04	3.13E-03	2.75E-04	9.58E-05	5.48E-04	6.54E-05	8.71E-05	2.87E-04	1.98E-05
23	470272.07	3819198.44	1.10E-03	4.62E-03	4.16E-04	9.16E-04	3.39E-03	2.98E-04	1.04E-04	5.94E-04	7.09E-05	9.44E-05	3.11E-04	2.15E-05
24	470262.51	3819198.3	1.20E-03	5.05E-03	4.55E-04	1.00E-03	3.71E-03	3.26E-04	1.14E-04	6.50E-04	7.76E-05	1.03E-04	3.40E-04	2.35E-05
25	470252.95	3819198.17	1.31E-03	5.49E-03	4.94E-04	1.09E-03	4.03E-03	3.55E-04	1.23E-04	7.06E-04	8.43E-05	1.12E-04	3.70E-04	2.55E-05
26	470243.39	3819198.03	1.40E-03	5.87E-03	5.29E-04	1.17E-03	4.32E-03	3.80E-04	1.32E-04	7.56E-04	9.02E-05	1.20E-04	3.96E-04	2.73E-05
27	470233.82	3819197.9	1.47E-03	6.19E-03	5.57E-04	1.23E-03	4.55E-03	4.00E-04	1.39E-04	7.97E-04	9.51E-05	1.27E-04	4.17E-04	2.88E-05
28	470224.26	3819197.76	1.53E-03	6.42E-03	5.79E-04	1.27E-03	4.72E-03	4.15E-04	1.44E-04	8.27E-04	9.87E-05	1.31E-04	4.33E-04	2.99E-05
29	470214.7	3819197.63	1.57E-03	6.59E-03	5.93E-04	1.31E-03	4.84E-03	4.26E-04	1.48E-04	8.48E-04	1.01E-04	1.35E-04	4.44E-04	3.06E-05
30	470205.14	3819197.49	1.59E-03	6.67E-03	6.01E-04	1.32E-03	4.90E-03	4.31E-04	1.50E-04	8.59E-04	1.03E-04	1.36E-04	4.50E-04	3.10E-05
31	470195.57	3819197.36	1.59E-03	6.70E-03	6.03E-04	1.33E-03	4.92E-03	4.33E-04	1.51E-04	8.62E-04	1.03E-04	1.37E-04	4.51E-04	3.11E-05
32	470186.01	3819197.22	1.58E-03	6.65E-03	5.99E-04	1.32E-03	4.88E-03	4.30E-04	1.49E-04	8.56E-04	1.02E-04	1.36E-04	4.48E-04	3.09E-05
33	470166.89	3819196.95	1.51E-03	6.34E-03	5.71E-04	1.26E-03	4.66E-03	4.10E-04	1.43E-04	8.17E-04	9.74E-05	1.30E-04	4.28E-04	2.95E-05
34	470157.33	3819196.82	1.45E-03	6.08E-03	5.48E-04	1.21E-03	4.47E-03	3.93E-04	1.37E-04	7.83E-04	9.34E-05	1.24E-04	4.10E-04	2.83E-05
35	470147.76	3819196.68	1.37E-03	5.74E-03	5.17E-04	1.14E-03	4.22E-03	3.71E-04	1.29E-04	7.39E-04	8.82E-05	1.17E-04	3.87E-04	2.67E-05
36	470138.2	3819196.55	1.27E-03	5.32E-03	4.79E-04	1.06E-03	3.91E-03	3.44E-04	1.20E-04	6.85E-04	8.18E-05	1.09E-04	3.59E-04	2.47E-05
37	470128.64	3819196.41	1.15E-03	4.82E-03	4.34E-04	9.57E-04	3.55E-03	3.12E-04	1.08E-04	6.21E-04	7.41E-05	9.86E-05	3.25E-04	2.24E-05
38	470119.08	3819196.28	1.02E-03	4.30E-03	3.87E-04	8.52E-04	3.16E-03	2.78E-04	9.66E-05	5.53E-04	6.60E-05	8.78E-05	2.90E-04	2.00E-05
39	470109.51	3819196.14	8.98E-04	3.77E-03	3.39E-04	7.48E-04	2.77E-03	2.44E-04	8.48E-05	4.85E-04	5.79E-05	7.71E-05	2.54E-04	1.75E-05

40	470320.39	3819212.46	7.73E-04	3.25E-03	2.92E-04	6.44E-04	2.39E-03	2.10E-04	7.30E-05	4.18E-04	4.99E-05	6.64E-05	2.19E-04	1.51E-05
41	470272.21	3819188.44	9.14E-04	3.84E-03	3.46E-04	7.61E-04	2.82E-03	2.48E-04	8.63E-05	4.94E-04	5.90E-05	7.85E-05	2.59E-04	1.78E-05
42	470262.65	3819188.3	9.94E-04	4.17E-03	3.76E-04	8.28E-04	3.07E-03	2.70E-04	9.38E-05	5.37E-04	6.41E-05	8.53E-05	2.81E-04	1.94E-05
43	470253.09	3819188.17	1.07E-03	4.51E-03	4.06E-04	8.95E-04	3.31E-03	2.92E-04	1.01E-04	5.81E-04	6.93E-05	9.22E-05	3.04E-04	2.10E-05
44	470243.53	3819188.03	1.15E-03	4.82E-03	4.34E-04	9.56E-04	3.54E-03	3.11E-04	1.08E-04	6.20E-04	7.40E-05	9.85E-05	3.25E-04	2.24E-05
45	470233.96	3819187.9	1.21E-03	5.08E-03	4.57E-04	1.01E-03	3.73E-03	3.28E-04	1.14E-04	6.54E-04	7.80E-05	1.04E-04	3.42E-04	2.36E-05
46	470224.4	3819187.76	1.26E-03	5.28E-03	4.75E-04	1.05E-03	3.88E-03	3.41E-04	1.19E-04	6.79E-04	8.11E-05	1.08E-04	3.56E-04	2.45E-05
47	470214.84	3819187.63	1.29E-03	5.42E-03	4.88E-04	1.08E-03	3.98E-03	3.51E-04	1.22E-04	6.98E-04	8.33E-05	1.11E-04	3.66E-04	2.52E-05
48	470205.28	3819187.49	1.31E-03	5.51E-03	4.96E-04	1.09E-03	4.05E-03	3.56E-04	1.24E-04	7.09E-04	8.46E-05	1.13E-04	3.71E-04	2.56E-05
49	470195.72	3819187.36	1.32E-03	5.54E-03	4.99E-04	1.10E-03	4.07E-03	3.58E-04	1.25E-04	7.13E-04	8.51E-05	1.13E-04	3.73E-04	2.57E-05
50	470186.15	3819187.22	1.31E-03	5.52E-03	4.97E-04	1.09E-03	4.05E-03	3.57E-04	1.24E-04	7.10E-04	8.47E-05	1.13E-04	3.72E-04	2.56E-05
51	470167.03	3819186.95	1.26E-03	5.29E-03	4.77E-04	1.05E-03	3.89E-03	3.42E-04	1.19E-04	6.81E-04	8.13E-05	1.08E-04	3.57E-04	2.46E-05
52	470157.47	3819186.82	1.21E-03	5.09E-03	4.58E-04	1.01E-03	3.74E-03	3.29E-04	1.14E-04	6.55E-04	7.82E-05	1.04E-04	3.43E-04	2.37E-05
53	470147.9	3819186.68	1.15E-03	4.83E-03	4.35E-04	9.58E-04	3.55E-03	3.12E-04	1.09E-04	6.22E-04	7.42E-05	9.87E-05	3.25E-04	2.24E-05
54	470138.34	3819186.55	1.07E-03	4.51E-03	4.06E-04	8.95E-04	3.31E-03	2.92E-04	1.01E-04	5.81E-04	6.93E-05	9.22E-05	3.04E-04	2.10E-05
55	470128.78	3819186.41	9.87E-04	4.14E-03	3.73E-04	8.22E-04	3.04E-03	2.68E-04	9.32E-05	5.33E-04	6.36E-05	8.47E-05	2.79E-04	1.93E-05
56	470119.22	3819186.28	8.93E-04	3.75E-03	3.38E-04	7.44E-04	2.76E-03	2.43E-04	8.44E-05	4.83E-04	5.76E-05	7.67E-05	2.53E-04	1.74E-05
57	470109.66	3819186.14	7.99E-04	3.36E-03	3.02E-04	6.66E-04	2.47E-03	2.17E-04	7.55E-05	4.32E-04	5.15E-05	6.86E-05	2.26E-04	1.56E-05
58	470315.56	3819193.02	6.18E-04	2.59E-03	2.34E-04	5.14E-04	1.91E-03	1.68E-04	5.83E-05	3.34E-04	3.98E-05	5.30E-05	1.75E-04	1.21E-05
59	470327.39	3819205.12	6.45E-04	2.71E-03	2.44E-04	5.37E-04	1.99E-03	1.75E-04	6.09E-05	3.49E-04	4.16E-05	5.54E-05	1.83E-04	1.26E-05
60	470330.81	3819213.61	7.00E-04	2.94E-03	2.65E-04	5.83E-04	2.16E-03	1.90E-04	6.61E-05	3.78E-04	4.51E-05	6.01E-05	1.98E-04	1.37E-05
61	470272.35	3819178.44	7.76E-04	3.26E-03	2.93E-04	6.46E-04	2.39E-03	2.11E-04	7.33E-05	4.19E-04	5.00E-05	6.66E-05	2.20E-04	1.51E-05
62	470262.79	3819178.31	8.41E-04	3.53E-03	3.18E-04	7.00E-04	2.59E-03	2.28E-04	7.94E-05	4.54E-04	5.42E-05	7.22E-05	2.38E-04	1.64E-05
63	470253.23	3819178.17	9.05E-04	3.80E-03	3.42E-04	7.54E-04	2.79E-03	2.46E-04	8.54E-05	4.89E-04	5.83E-05	7.77E-05	2.56E-04	1.77E-05
64	470243.67	3819178.04	9.64E-04	4.05E-03	3.64E-04	8.03E-04	2.97E-03	2.62E-04	9.10E-05	5.21E-04	6.22E-05	8.27E-05	2.73E-04	1.88E-05
65	470234.11	3819177.9	1.01E-03	4.26E-03	3.83E-04	8.45E-04	3.13E-03	2.75E-04	9.58E-05	5.48E-04	6.54E-05	8.70E-05	2.87E-04	1.98E-05
66	470224.54	3819177.77	1.05E-03	4.43E-03	3.99E-04	8.79E-04	3.26E-03	2.86E-04	9.96E-05	5.70E-04	6.80E-05	9.06E-05	2.99E-04	2.06E-05
67	470214.98	3819177.63	1.09E-03	4.56E-03	4.10E-04	9.04E-04	3.35E-03	2.95E-04	1.02E-04	5.87E-04	7.00E-05	9.32E-05	3.07E-04	2.12E-05
68	470205.42	3819177.5	1.10E-03	4.64E-03	4.18E-04	9.20E-04	3.41E-03	3.00E-04	1.04E-04	5.97E-04	7.12E-05	9.48E-05	3.13E-04	2.16E-05
69	470195.86	3819177.36	1.11E-03	4.67E-03	4.21E-04	9.27E-04	3.43E-03	3.02E-04	1.05E-04	6.02E-04	7.18E-05	9.56E-05	3.15E-04	2.17E-05
70	470186.29	3819177.23	1.11E-03	4.66E-03	4.20E-04	9.25E-04	3.43E-03	3.02E-04	1.05E-04	6.00E-04	7.16E-05	9.54E-05	3.14E-04	2.17E-05
71	470167.17	3819176.96	1.07E-03	4.50E-03	4.05E-04	8.93E-04	3.31E-03	2.91E-04	1.01E-04	5.79E-04	6.91E-05	9.20E-05	3.03E-04	2.09E-05
72	470157.61	3819176.82	1.03E-03	4.34E-03	3.91E-04	8.61E-04	3.19E-03	2.81E-04	9.76E-05	5.59E-04	6.67E-05	8.87E-05	2.93E-04	2.02E-05
73	470148.05	3819176.69	9.84E-04	4.13E-03	3.72E-04	8.20E-04	3.04E-03	2.67E-04	9.30E-05	5.32E-04	6.35E-05	8.45E-05	2.79E-04	1.92E-05
74	470138.48	3819176.55	9.26E-04	3.89E-03	3.50E-04	7.71E-04	2.86E-03	2.51E-04	8.74E-05	5.00E-04	5.97E-05	7.95E-05	2.62E-04	1.81E-05
75	470128.92	3819176.42	8.60E-04	3.61E-03	3.25E-04	7.16E-04	2.65E-03	2.33E-04	8.12E-05	4.65E-04	5.55E-05	7.38E-05	2.43E-04	1.68E-05
76	470119.36	3819176.28	7.89E-04	3.31E-03	2.98E-04	6.57E-04	2.43E-03	2.14E-04	7.45E-05	4.26E-04	5.09E-05	6.77E-05	2.23E-04	1.54E-05
77	470109.8	3819176.15	7.16E-04	3.01E-03	2.71E-04	5.96E-04	2.21E-03	1.94E-04	6.76E-05	3.87E-04	4.62E-05	6.15E-05	2.03E-04	1.40E-05
78	470322.95	3819186.13	5.25E-04	2.21E-03	1.99E-04	4.38E-04	1.62E-03	1.43E-04	4.96E-05	2.84E-04	3.39E-05	4.51E-05	1.49E-04	1.03E-05
79	470334.45	3819197.89	5.47E-04	2.30E-03	2.07E-04	4.56E-04	1.69E-03	1.48E-04	5.17E-05	2.96E-04	3.53E-05	4.70E-05	1.55E-04	1.07E-05
80	470341.1	3819214.4	6.35E-04	2.67E-03	2.40E-04	5.29E-04	1.96E-03	1.72E-04	5.99E-05	3.43E-04	4.09E-05	5.45E-05	1.80E-04	1.24E-05
81	470272.5	3819168.44	6.69E-04	2.81E-03	2.53E-04	5.57E-04	2.07E-03	1.82E-04	6.32E-05	3.62E-04	4.32E-05	5.74E-05	1.89E-04	1.31E-05
82	470262.93	3819168.31	7.23E-04	3.04E-03	2.74E-04	6.03E-04	2.23E-03	1.96E-04	6.83E-05	3.91E-04	4.67E-05	6.21E-05	2.05E-04	1.41E-05

83	470253.37	3819168.17	7.76E-04	3.26E-03	2.93E-04	6.46E-04	2.39E-03	2.11E-04	7.32E-05	4.19E-04	5.00E-05	6.66E-05	2.20E-04	1.51E-05
84	470243.81	3819168.04	8.24E-04	3.46E-03	3.12E-04	6.86E-04	2.54E-03	2.24E-04	7.78E-05	4.45E-04	5.31E-05	7.07E-05	2.33E-04	1.61E-05
85	470234.25	3819167.9	8.66E-04	3.64E-03	3.27E-04	7.21E-04	2.67E-03	2.35E-04	8.17E-05	4.68E-04	5.58E-05	7.43E-05	2.45E-04	1.69E-05
86	470224.68	3819167.77	9.00E-04	3.78E-03	3.41E-04	7.50E-04	2.78E-03	2.44E-04	8.50E-05	4.87E-04	5.81E-05	7.73E-05	2.55E-04	1.76E-05
87	470215.12	3819167.63	9.27E-04	3.89E-03	3.50E-04	7.72E-04	2.86E-03	2.52E-04	8.75E-05	5.01E-04	5.98E-05	7.96E-05	2.62E-04	1.81E-05
88	470205.56	3819167.5	9.45E-04	3.97E-03	3.57E-04	7.87E-04	2.91E-03	2.56E-04	8.92E-05	5.11E-04	6.09E-05	8.11E-05	2.67E-04	1.84E-05
89	470196	3819167.36	9.53E-04	4.00E-03	3.61E-04	7.94E-04	2.94E-03	2.59E-04	9.00E-05	5.15E-04	6.15E-05	8.18E-05	2.70E-04	1.86E-05
90	470186.44	3819167.23	9.53E-04	4.00E-03	3.61E-04	7.94E-04	2.94E-03	2.59E-04	9.00E-05	5.15E-04	6.15E-05	8.18E-05	2.70E-04	1.86E-05
91	470167.31	3819166.96	9.24E-04	3.88E-03	3.50E-04	7.70E-04	2.85E-03	2.51E-04	8.73E-05	5.00E-04	5.96E-05	7.93E-05	2.62E-04	1.80E-05
92	470157.75	3819166.82	8.94E-04	3.75E-03	3.38E-04	7.44E-04	2.76E-03	2.43E-04	8.44E-05	4.83E-04	5.76E-05	7.67E-05	2.53E-04	1.74E-05
93	470148.19	3819166.69	8.54E-04	3.59E-03	3.23E-04	7.12E-04	2.64E-03	2.32E-04	8.07E-05	4.62E-04	5.51E-05	7.34E-05	2.42E-04	1.67E-05
94	470138.62	3819166.55	8.08E-04	3.39E-03	3.06E-04	6.73E-04	2.49E-03	2.19E-04	7.63E-05	4.37E-04	5.21E-05	6.94E-05	2.29E-04	1.58E-05
95	470129.06	3819166.42	7.57E-04	3.18E-03	2.86E-04	6.31E-04	2.34E-03	2.06E-04	7.15E-05	4.09E-04	4.88E-05	6.50E-05	2.14E-04	1.48E-05
96	470119.5	3819166.28	7.02E-04	2.95E-03	2.65E-04	5.85E-04	2.17E-03	1.91E-04	6.63E-05	3.79E-04	4.53E-05	6.03E-05	1.99E-04	1.37E-05
97	470109.94	3819166.15	6.45E-04	2.71E-03	2.44E-04	5.37E-04	1.99E-03	1.75E-04	6.09E-05	3.49E-04	4.16E-05	5.54E-05	1.83E-04	1.26E-05
98	470322.25	3819175.77	4.67E-04	1.96E-03	1.77E-04	3.89E-04	1.44E-03	1.27E-04	4.41E-05	2.53E-04	3.01E-05	4.01E-05	1.32E-04	9.12E-06
99	470341.53	3819190.73	4.70E-04	1.97E-03	1.78E-04	3.91E-04	1.45E-03	1.28E-04	4.44E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.17E-06
100	470348.04	3819206.91	5.40E-04	2.27E-03	2.04E-04	4.50E-04	1.67E-03	1.47E-04	5.10E-05	2.92E-04	3.48E-05	4.63E-05	1.53E-04	1.05E-05
101	470272.64	3819158.44	5.87E-04	2.46E-03	2.22E-04	4.89E-04	1.81E-03	1.59E-04	5.54E-05	3.17E-04	3.78E-05	5.04E-05	1.66E-04	1.14E-05
102	470263.07	3819158.31	6.31E-04	2.65E-03	2.39E-04	5.26E-04	1.95E-03	1.71E-04	5.96E-05	3.41E-04	4.07E-05	5.42E-05	1.79E-04	1.23E-05
103	470253.51	3819158.17	6.74E-04	2.83E-03	2.55E-04	5.62E-04	2.08E-03	1.83E-04	6.37E-05	3.65E-04	4.35E-05	5.79E-05	1.91E-04	1.32E-05
104	470243.95	3819158.04	7.14E-04	3.00E-03	2.70E-04	5.95E-04	2.20E-03	1.94E-04	6.74E-05	3.86E-04	4.61E-05	6.13E-05	2.02E-04	1.39E-05
105	470234.39	3819157.9	7.49E-04	3.15E-03	2.83E-04	6.24E-04	2.31E-03	2.03E-04	7.08E-05	4.05E-04	4.83E-05	6.43E-05	2.12E-04	1.46E-05
106	470224.83	3819157.77	7.78E-04	3.27E-03	2.94E-04	6.48E-04	2.40E-03	2.11E-04	7.35E-05	4.21E-04	5.02E-05	6.68E-05	2.20E-04	1.52E-05
107	470215.26	3819157.63	8.01E-04	3.36E-03	3.03E-04	6.67E-04	2.47E-03	2.17E-04	7.56E-05	4.33E-04	5.16E-05	6.87E-05	2.27E-04	1.56E-05
108	470205.7	3819157.5	8.16E-04	3.43E-03	3.09E-04	6.80E-04	2.52E-03	2.21E-04	7.70E-05	4.41E-04	5.26E-05	7.00E-05	2.31E-04	1.59E-05
109	470196.14	3819157.36	8.24E-04	3.46E-03	3.12E-04	6.86E-04	2.54E-03	2.24E-04	7.78E-05	4.46E-04	5.32E-05	7.07E-05	2.33E-04	1.61E-05
110	470186.58	3819157.23	8.25E-04	3.47E-03	3.12E-04	6.88E-04	2.55E-03	2.24E-04	7.79E-05	4.46E-04	5.32E-05	7.09E-05	2.34E-04	1.61E-05
111	470167.45	3819156.96	8.04E-04	3.38E-03	3.04E-04	6.70E-04	2.48E-03	2.18E-04	7.59E-05	4.35E-04	5.19E-05	6.90E-05	2.28E-04	1.57E-05
112	470157.89	3819156.82	7.81E-04	3.28E-03	2.95E-04	6.50E-04	2.41E-03	2.12E-04	7.37E-05	4.22E-04	5.04E-05	6.70E-05	2.21E-04	1.52E-05
113	470148.33	3819156.69	7.51E-04	3.15E-03	2.84E-04	6.25E-04	2.32E-03	2.04E-04	7.09E-05	4.06E-04	4.84E-05	6.44E-05	2.12E-04	1.46E-05
114	470138.77	3819156.55	7.14E-04	3.00E-03	2.70E-04	5.95E-04	2.20E-03	1.94E-04	6.74E-05	3.86E-04	4.61E-05	6.13E-05	2.02E-04	1.39E-05
115	470129.2	3819156.42	6.74E-04	2.83E-03	2.55E-04	5.61E-04	2.08E-03	1.83E-04	6.36E-05	3.64E-04	4.35E-05	5.79E-05	1.91E-04	1.31E-05
116	470119.64	3819156.28	6.30E-04	2.64E-03	2.38E-04	5.25E-04	1.94E-03	1.71E-04	5.95E-05	3.40E-04	4.06E-05	5.41E-05	1.78E-04	1.23E-05
117	470110.08	3819156.15	5.84E-04	2.45E-03	2.21E-04	4.86E-04	1.80E-03	1.58E-04	5.51E-05	3.16E-04	3.76E-05	5.01E-05	1.65E-04	1.14E-05
118	470321.77	3819165.5	4.18E-04	1.76E-03	1.58E-04	3.48E-04	1.29E-03	1.14E-04	3.95E-05	2.26E-04	2.70E-05	3.59E-05	1.18E-04	8.16E-06
119	470337.54	3819172.27	3.94E-04	1.65E-03	1.49E-04	3.28E-04	1.22E-03	1.07E-04	3.72E-05	2.13E-04	2.54E-05	3.38E-05	1.11E-04	7.69E-06
120	470348.63	3819183.62	4.08E-04	1.71E-03	1.54E-04	3.40E-04	1.26E-03	1.11E-04	3.85E-05	2.21E-04	2.63E-05	3.50E-05	1.15E-04	7.96E-06
121	470355.04	3819199.54	4.65E-04	1.95E-03	1.76E-04	3.87E-04	1.43E-03	1.26E-04	4.39E-05	2.51E-04	3.00E-05	3.99E-05	1.32E-04	9.07E-06
122	470361.45	3819215.46	5.29E-04	2.22E-03	2.00E-04	4.41E-04	1.63E-03	1.44E-04	5.00E-05	2.86E-04	3.41E-05	4.54E-05	1.50E-04	1.03E-05
123	470272.78	3819148.44	5.20E-04	2.18E-03	1.97E-04	4.33E-04	1.60E-03	1.41E-04	4.91E-05	2.81E-04	3.35E-05	4.46E-05	1.47E-04	1.01E-05
124	470263.22	3819148.31	5.57E-04	2.34E-03	2.11E-04	4.64E-04	1.72E-03	1.51E-04	5.26E-05	3.01E-04	3.59E-05	4.78E-05	1.58E-04	1.09E-05
125	470253.65	3819148.17	5.93E-04	2.49E-03	2.24E-04	4.94E-04	1.83E-03	1.61E-04	5.60E-05	3.21E-04	3.83E-05	5.09E-05	1.68E-04	1.16E-05

126	470244.09	3819148.04	6.27E-04	2.63E-03	2.37E-04	5.22E-04	1.93E-03	1.70E-04	5.92E-05	3.39E-04	4.04E-05	5.38E-05	1.77E-04	1.22E-05
127	470234.53	3819147.9	6.56E-04	2.76E-03	2.48E-04	5.47E-04	2.03E-03	1.78E-04	6.20E-05	3.55E-04	4.23E-05	5.63E-05	1.86E-04	1.28E-05
128	470224.97	3819147.77	6.81E-04	2.86E-03	2.57E-04	5.67E-04	2.10E-03	1.85E-04	6.43E-05	3.68E-04	4.39E-05	5.84E-05	1.93E-04	1.33E-05
129	470215.4	3819147.63	6.99E-04	2.94E-03	2.64E-04	5.82E-04	2.16E-03	1.90E-04	6.60E-05	3.78E-04	4.51E-05	6.00E-05	1.98E-04	1.36E-05
130	470205.84	3819147.5	7.12E-04	2.99E-03	2.69E-04	5.93E-04	2.20E-03	1.93E-04	6.73E-05	3.85E-04	4.59E-05	6.11E-05	2.02E-04	1.39E-05
131	470196.28	3819147.36	7.20E-04	3.02E-03	2.72E-04	6.00E-04	2.22E-03	1.95E-04	6.80E-05	3.89E-04	4.64E-05	6.18E-05	2.04E-04	1.40E-05
132	470186.72	3819147.23	7.22E-04	3.03E-03	2.73E-04	6.01E-04	2.23E-03	1.96E-04	6.82E-05	3.90E-04	4.66E-05	6.20E-05	2.04E-04	1.41E-05
133	470158.03	3819146.82	6.89E-04	2.89E-03	2.61E-04	5.74E-04	2.13E-03	1.87E-04	6.50E-05	3.72E-04	4.44E-05	5.91E-05	1.95E-04	1.34E-05
134	470148.47	3819146.69	6.65E-04	2.79E-03	2.52E-04	5.54E-04	2.05E-03	1.81E-04	6.28E-05	3.60E-04	4.29E-05	5.71E-05	1.88E-04	1.30E-05
135	470138.91	3819146.55	6.37E-04	2.67E-03	2.41E-04	5.30E-04	1.96E-03	1.73E-04	6.01E-05	3.44E-04	4.11E-05	5.46E-05	1.80E-04	1.24E-05
136	470129.34	3819146.42	6.04E-04	2.54E-03	2.28E-04	5.03E-04	1.86E-03	1.64E-04	5.70E-05	3.27E-04	3.90E-05	5.19E-05	1.71E-04	1.18E-05
137	470119.78	3819146.28	5.68E-04	2.39E-03	2.15E-04	4.73E-04	1.75E-03	1.54E-04	5.37E-05	3.07E-04	3.66E-05	4.88E-05	1.61E-04	1.11E-05
138	470110.22	3819146.15	5.31E-04	2.23E-03	2.01E-04	4.42E-04	1.64E-03	1.44E-04	5.01E-05	2.87E-04	3.42E-05	4.55E-05	1.50E-04	1.04E-05
139	470317.53	3819153.62	3.83E-04	1.61E-03	1.45E-04	3.19E-04	1.18E-03	1.04E-04	3.62E-05	2.07E-04	2.47E-05	3.29E-05	1.09E-04	7.48E-06
140	470326.29	3819157.38	3.70E-04	1.55E-03	1.40E-04	3.08E-04	1.14E-03	1.00E-04	3.50E-05	2.00E-04	2.39E-05	3.18E-05	1.05E-04	7.22E-06
141	470335.05	3819161.14	3.58E-04	1.50E-03	1.35E-04	2.98E-04	1.10E-03	9.71E-05	3.38E-05	1.93E-04	2.31E-05	3.07E-05	1.01E-04	6.98E-06
142	470343.82	3819164.91	3.47E-04	1.46E-03	1.31E-04	2.89E-04	1.07E-03	9.41E-05	3.28E-05	1.87E-04	2.24E-05	2.98E-05	9.82E-05	6.77E-06
143	470356.14	3819177.51	3.60E-04	1.51E-03	1.36E-04	3.00E-04	1.11E-03	9.77E-05	3.40E-05	1.95E-04	2.32E-05	3.09E-05	1.02E-04	7.02E-06
144	470359.7	3819186.36	3.85E-04	1.62E-03	1.46E-04	3.21E-04	1.19E-03	1.05E-04	3.64E-05	2.08E-04	2.49E-05	3.31E-05	1.09E-04	7.52E-06
145	470363.26	3819195.2	4.13E-04	1.74E-03	1.56E-04	3.44E-04	1.28E-03	1.12E-04	3.90E-05	2.24E-04	2.67E-05	3.55E-05	1.17E-04	8.07E-06
146	470366.82	3819204.05	4.44E-04	1.86E-03	1.68E-04	3.70E-04	1.37E-03	1.20E-04	4.19E-05	2.40E-04	2.86E-05	3.81E-05	1.26E-04	8.66E-06
147	470370.38	3819212.89	4.76E-04	2.00E-03	1.80E-04	3.96E-04	1.47E-03	1.29E-04	4.49E-05	2.57E-04	3.07E-05	4.08E-05	1.35E-04	9.28E-06
148	470272.92	3819138.44	4.65E-04	1.95E-03	1.76E-04	3.87E-04	1.43E-03	1.26E-04	4.39E-05	2.51E-04	3.00E-05	3.99E-05	1.32E-04	9.07E-06
149	470263.36	3819138.31	4.96E-04	2.08E-03	1.88E-04	4.13E-04	1.53E-03	1.35E-04	4.69E-05	2.68E-04	3.20E-05	4.26E-05	1.40E-04	9.68E-06
150	470253.79	3819138.17	5.27E-04	2.21E-03	1.99E-04	4.39E-04	1.62E-03	1.43E-04	4.97E-05	2.85E-04	3.40E-05	4.52E-05	1.49E-04	1.03E-05
151	470244.23	3819138.04	5.55E-04	2.33E-03	2.10E-04	4.62E-04	1.71E-03	1.51E-04	5.24E-05	3.00E-04	3.58E-05	4.76E-05	1.57E-04	1.08E-05
152	470234.67	3819137.9	5.80E-04	2.44E-03	2.20E-04	4.83E-04	1.79E-03	1.58E-04	5.48E-05	3.14E-04	3.74E-05	4.98E-05	1.64E-04	1.13E-05
153	470225.11	3819137.77	6.01E-04	2.52E-03	2.27E-04	5.01E-04	1.86E-03	1.63E-04	5.68E-05	3.25E-04	3.88E-05	5.16E-05	1.70E-04	1.17E-05
154	470215.55	3819137.63	6.17E-04	2.59E-03	2.33E-04	5.14E-04	1.90E-03	1.67E-04	5.82E-05	3.33E-04	3.98E-05	5.29E-05	1.75E-04	1.20E-05
155	470205.98	3819137.5	6.28E-04	2.64E-03	2.37E-04	5.23E-04	1.94E-03	1.70E-04	5.93E-05	3.39E-04	4.05E-05	5.39E-05	1.78E-04	1.22E-05
156	470196.42	3819137.36	6.34E-04	2.66E-03	2.40E-04	5.28E-04	1.96E-03	1.72E-04	5.99E-05	3.43E-04	4.09E-05	5.45E-05	1.80E-04	1.24E-05
157	470186.86	3819137.23	6.37E-04	2.68E-03	2.41E-04	5.31E-04	1.97E-03	1.73E-04	6.02E-05	3.44E-04	4.11E-05	5.47E-05	1.80E-04	1.24E-05
158	470158.17	3819136.82	6.12E-04	2.57E-03	2.32E-04	5.10E-04	1.89E-03	1.66E-04	5.78E-05	3.31E-04	3.95E-05	5.26E-05	1.73E-04	1.19E-05
159	470148.61	3819136.69	5.94E-04	2.49E-03	2.25E-04	4.95E-04	1.83E-03	1.61E-04	5.61E-05	3.21E-04	3.83E-05	5.10E-05	1.68E-04	1.16E-05
160	470139.05	3819136.55	5.71E-04	2.40E-03	2.16E-04	4.76E-04	1.76E-03	1.55E-04	5.39E-05	3.09E-04	3.68E-05	4.90E-05	1.62E-04	1.11E-05
161	470129.49	3819136.42	5.45E-04	2.29E-03	2.06E-04	4.54E-04	1.68E-03	1.48E-04	5.14E-05	2.94E-04	3.51E-05	4.67E-05	1.54E-04	1.06E-05
162	470119.92	3819136.28	5.15E-04	2.16E-03	1.95E-04	4.29E-04	1.59E-03	1.40E-04	4.87E-05	2.79E-04	3.32E-05	4.42E-05	1.46E-04	1.01E-05
163	470110.36	3819136.15	4.84E-04	2.03E-03	1.83E-04	4.03E-04	1.49E-03	1.31E-04	4.57E-05	2.62E-04	3.12E-05	4.16E-05	1.37E-04	9.45E-06
164	470316.41	3819133.02	3.19E-04	1.34E-03	1.20E-04	2.65E-04	9.83E-04	8.65E-05	3.01E-05	1.72E-04	2.05E-05	2.73E-05	9.02E-05	6.21E-06
165	470324.82	3819136.63	3.08E-04	1.29E-03	1.17E-04	2.57E-04	9.51E-04	8.36E-05	2.91E-05	1.67E-04	1.99E-05	2.64E-05	8.72E-05	6.01E-06
166	470333.23	3819140.24	2.98E-04	1.25E-03	1.13E-04	2.48E-04	9.20E-04	8.09E-05	2.82E-05	1.61E-04	1.92E-05	2.56E-05	8.44E-05	5.82E-06
167	470341.65	3819143.85	2.89E-04	1.21E-03	1.09E-04	2.41E-04	8.91E-04	7.84E-05	2.73E-05	1.56E-04	1.86E-05	2.48E-05	8.18E-05	5.64E-06
168	470350.06	3819147.46	2.81E-04	1.18E-03	1.06E-04	2.34E-04	8.66E-04	7.62E-05	2.65E-05	1.52E-04	1.81E-05	2.41E-05	7.94E-05	5.47E-06

169	470358.47	3819151.07	2.73E-04	1.15E-03	1.03E-04	2.27E-04	8.43E-04	7.41E-05	2.58E-05	1.48E-04	1.76E-05	2.34E-05	7.73E-05	5.33E-06
170	470370.3	3819163.18	2.82E-04	1.18E-03	1.07E-04	2.35E-04	8.71E-04	7.66E-05	2.66E-05	1.53E-04	1.82E-05	2.42E-05	7.99E-05	5.51E-06
171	470373.72	3819171.67	2.99E-04	1.26E-03	1.13E-04	2.49E-04	9.24E-04	8.13E-05	2.83E-05	1.62E-04	1.93E-05	2.57E-05	8.47E-05	5.84E-06
172	470377.14	3819180.16	3.18E-04	1.34E-03	1.20E-04	2.65E-04	9.83E-04	8.64E-05	3.01E-05	1.72E-04	2.05E-05	2.73E-05	9.01E-05	6.21E-06
173	470380.55	3819188.65	3.39E-04	1.42E-03	1.28E-04	2.82E-04	1.05E-03	9.21E-05	3.20E-05	1.83E-04	2.19E-05	2.91E-05	9.60E-05	6.62E-06
174	470383.97	3819197.14	3.61E-04	1.52E-03	1.37E-04	3.01E-04	1.12E-03	9.81E-05	3.41E-05	1.95E-04	2.33E-05	3.10E-05	1.02E-04	7.05E-06
175	470387.39	3819205.63	3.85E-04	1.62E-03	1.46E-04	3.21E-04	1.19E-03	1.04E-04	3.63E-05	2.08E-04	2.48E-05	3.30E-05	1.09E-04	7.51E-06
176	470273.2	3819118.45	3.79E-04	1.59E-03	1.43E-04	3.16E-04	1.17E-03	1.03E-04	3.58E-05	2.05E-04	2.45E-05	3.26E-05	1.07E-04	7.40E-06
177	470263.64	3819118.31	4.02E-04	1.69E-03	1.52E-04	3.35E-04	1.24E-03	1.09E-04	3.80E-05	2.18E-04	2.60E-05	3.45E-05	1.14E-04	7.85E-06
178	470254.08	3819118.18	4.25E-04	1.78E-03	1.61E-04	3.54E-04	1.31E-03	1.15E-04	4.01E-05	2.30E-04	2.74E-05	3.65E-05	1.20E-04	8.29E-06
179	470244.52	3819118.04	4.46E-04	1.87E-03	1.69E-04	3.71E-04	1.38E-03	1.21E-04	4.21E-05	2.41E-04	2.87E-05	3.83E-05	1.26E-04	8.70E-06
180	470234.95	3819117.91	4.65E-04	1.95E-03	1.76E-04	3.87E-04	1.43E-03	1.26E-04	4.39E-05	2.51E-04	3.00E-05	3.99E-05	1.32E-04	9.07E-06
181	470225.39	3819117.77	4.80E-04	2.02E-03	1.82E-04	4.00E-04	1.48E-03	1.30E-04	4.53E-05	2.60E-04	3.10E-05	4.12E-05	1.36E-04	9.37E-06
182	470215.83	3819117.64	4.92E-04	2.07E-03	1.86E-04	4.10E-04	1.52E-03	1.34E-04	4.65E-05	2.66E-04	3.17E-05	4.22E-05	1.39E-04	9.60E-06
183	470206.27	3819117.5	5.01E-04	2.10E-03	1.89E-04	4.17E-04	1.55E-03	1.36E-04	4.73E-05	2.71E-04	3.23E-05	4.30E-05	1.42E-04	9.77E-06
184	470196.7	3819117.37	5.07E-04	2.13E-03	1.92E-04	4.22E-04	1.56E-03	1.38E-04	4.78E-05	2.74E-04	3.27E-05	4.35E-05	1.43E-04	9.88E-06
185	470187.14	3819117.23	5.09E-04	2.14E-03	1.93E-04	4.24E-04	1.57E-03	1.38E-04	4.81E-05	2.75E-04	3.29E-05	4.37E-05	1.44E-04	9.94E-06
186	470158.46	3819116.83	4.95E-04	2.08E-03	1.87E-04	4.12E-04	1.53E-03	1.34E-04	4.67E-05	2.67E-04	3.19E-05	4.25E-05	1.40E-04	9.65E-06
187	470148.89	3819116.69	4.83E-04	2.03E-03	1.82E-04	4.02E-04	1.49E-03	1.31E-04	4.56E-05	2.61E-04	3.11E-05	4.14E-05	1.37E-04	9.42E-06
188	470139.33	3819116.56	4.67E-04	1.96E-03	1.77E-04	3.89E-04	1.44E-03	1.27E-04	4.41E-05	2.53E-04	3.01E-05	4.01E-05	1.32E-04	9.12E-06
189	470129.77	3819116.42	4.49E-04	1.89E-03	1.70E-04	3.74E-04	1.39E-03	1.22E-04	4.24E-05	2.43E-04	2.90E-05	3.86E-05	1.27E-04	8.76E-06
190	470120.21	3819116.29	4.29E-04	1.80E-03	1.62E-04	3.57E-04	1.32E-03	1.16E-04	4.05E-05	2.32E-04	2.77E-05	3.68E-05	1.21E-04	8.37E-06
191	470110.64	3819116.15	4.07E-04	1.71E-03	1.54E-04	3.39E-04	1.26E-03	1.11E-04	3.85E-05	2.20E-04	2.63E-05	3.50E-05	1.15E-04	7.95E-06
192	470323.94	3819116.13	2.61E-04	1.10E-03	9.87E-05	2.17E-04	8.05E-04	7.08E-05	2.46E-05	1.41E-04	1.68E-05	2.24E-05	7.38E-05	5.09E-06
193	470340.29	3819123.15	2.45E-04	1.03E-03	9.28E-05	2.04E-04	7.58E-04	6.66E-05	2.32E-05	1.33E-04	1.58E-05	2.11E-05	6.95E-05	4.79E-06
194	470356.65	3819130.17	2.32E-04	9.73E-04	8.76E-05	1.93E-04	7.15E-04	6.29E-05	2.19E-05	1.25E-04	1.49E-05	1.99E-05	6.56E-05	4.52E-06
195	470373	3819137.19	2.20E-04	9.25E-04	8.33E-05	1.83E-04	6.80E-04	5.98E-05	2.08E-05	1.19E-04	1.42E-05	1.89E-05	6.23E-05	4.30E-06
196	470384.51	3819148.96	2.27E-04	9.52E-04	8.57E-05	1.89E-04	7.00E-04	6.15E-05	2.14E-05	1.23E-04	1.46E-05	1.95E-05	6.42E-05	4.42E-06
197	470391.15	3819165.47	2.53E-04	1.06E-03	9.55E-05	2.10E-04	7.79E-04	6.86E-05	2.39E-05	1.37E-04	1.63E-05	2.17E-05	7.15E-05	4.93E-06
198	470397.8	3819181.98	2.83E-04	1.19E-03	1.07E-04	2.36E-04	8.74E-04	7.69E-05	2.68E-05	1.53E-04	1.83E-05	2.43E-05	8.02E-05	5.53E-06
199	470404.45	3819198.49	3.18E-04	1.34E-03	1.20E-04	2.65E-04	9.82E-04	8.64E-05	3.01E-05	1.72E-04	2.05E-05	2.73E-05	9.01E-05	6.21E-06
200	470411.09	3819215	3.56E-04	1.50E-03	1.35E-04	2.97E-04	1.10E-03	9.67E-05	3.36E-05	1.93E-04	2.30E-05	3.06E-05	1.01E-04	6.95E-06
201	470273.48	3819098.45	3.16E-04	1.33E-03	1.20E-04	2.64E-04	9.76E-04	8.59E-05	2.99E-05	1.71E-04	2.04E-05	2.72E-05	8.96E-05	6.17E-06
202	470263.92	3819098.31	3.34E-04	1.40E-03	1.26E-04	2.78E-04	1.03E-03	9.06E-05	3.15E-05	1.81E-04	2.15E-05	2.87E-05	9.45E-05	6.52E-06
203	470254.36	3819098.18	3.51E-04	1.47E-03	1.33E-04	2.92E-04	1.08E-03	9.52E-05	3.31E-05	1.90E-04	2.26E-05	3.01E-05	9.93E-05	6.84E-06
204	470244.8	3819098.04	3.66E-04	1.54E-03	1.38E-04	3.05E-04	1.13E-03	9.94E-05	3.46E-05	1.98E-04	2.36E-05	3.14E-05	1.04E-04	7.15E-06
205	470235.24	3819097.91	3.80E-04	1.60E-03	1.44E-04	3.17E-04	1.17E-03	1.03E-04	3.59E-05	2.06E-04	2.45E-05	3.26E-05	1.08E-04	7.42E-06
206	470225.67	3819097.77	3.92E-04	1.65E-03	1.48E-04	3.27E-04	1.21E-03	1.06E-04	3.70E-05	2.12E-04	2.53E-05	3.37E-05	1.11E-04	7.65E-06
207	470216.11	3819097.64	4.02E-04	1.69E-03	1.52E-04	3.35E-04	1.24E-03	1.09E-04	3.80E-05	2.17E-04	2.59E-05	3.45E-05	1.14E-04	7.84E-06
208	470206.55	3819097.5	4.09E-04	1.72E-03	1.55E-04	3.41E-04	1.26E-03	1.11E-04	3.86E-05	2.21E-04	2.64E-05	3.51E-05	1.16E-04	7.98E-06
209	470196.99	3819097.37	4.14E-04	1.74E-03	1.57E-04	3.45E-04	1.28E-03	1.12E-04	3.91E-05	2.24E-04	2.67E-05	3.55E-05	1.17E-04	8.08E-06
210	470187.42	3819097.23	4.17E-04	1.75E-03	1.58E-04	3.47E-04	1.29E-03	1.13E-04	3.94E-05	2.25E-04	2.69E-05	3.58E-05	1.18E-04	8.13E-06
211	470158.74	3819096.83	4.08E-04	1.71E-03	1.54E-04	3.40E-04	1.26E-03	1.11E-04	3.85E-05	2.21E-04	2.63E-05	3.50E-05	1.15E-04	7.96E-06

212	470149.18	3819096.69	4.00E-04	1.68E-03	1.51E-04	3.33E-04	1.23E-03	1.09E-04	3.77E-05	2.16E-04	2.58E-05	3.43E-05	1.13E-04	7.80E-06
213	470139.61	3819096.56	3.89E-04	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.06E-04	3.67E-05	2.10E-04	2.51E-05	3.34E-05	1.10E-04	7.59E-06
214	470130.05	3819096.42	3.76E-04	1.58E-03	1.42E-04	3.13E-04	1.16E-03	1.02E-04	3.55E-05	2.03E-04	2.43E-05	3.23E-05	1.06E-04	7.34E-06
215	470120.49	3819096.29	3.62E-04	1.52E-03	1.37E-04	3.01E-04	1.12E-03	9.82E-05	3.42E-05	1.96E-04	2.33E-05	3.10E-05	1.02E-04	7.06E-06
216	470110.93	3819096.15	3.46E-04	1.45E-03	1.31E-04	2.88E-04	1.07E-03	9.39E-05	3.27E-05	1.87E-04	2.23E-05	2.97E-05	9.79E-05	6.75E-06
217	470317.84	3819093.4	2.28E-04	9.56E-04	8.60E-05	1.90E-04	7.02E-04	6.18E-05	2.15E-05	1.23E-04	1.47E-05	1.95E-05	6.44E-05	4.44E-06
218	470326.47	3819097.1	2.21E-04	9.29E-04	8.37E-05	1.84E-04	6.83E-04	6.00E-05	2.09E-05	1.20E-04	1.43E-05	1.90E-05	6.26E-05	4.32E-06
219	470335.09	3819100.8	2.15E-04	9.05E-04	8.15E-05	1.79E-04	6.65E-04	5.85E-05	2.03E-05	1.16E-04	1.39E-05	1.85E-05	6.10E-05	4.20E-06
220	470343.72	3819104.51	2.09E-04	8.76E-04	7.89E-05	1.74E-04	6.44E-04	5.66E-05	1.97E-05	1.13E-04	1.35E-05	1.79E-05	5.91E-05	4.07E-06
221	470352.35	3819108.21	2.02E-04	8.49E-04	7.64E-05	1.68E-04	6.24E-04	5.49E-05	1.91E-05	1.09E-04	1.30E-05	1.74E-05	5.72E-05	3.94E-06
222	470360.97	3819111.91	1.96E-04	8.24E-04	7.42E-05	1.63E-04	6.05E-04	5.32E-05	1.85E-05	1.06E-04	1.27E-05	1.68E-05	5.55E-05	3.83E-06
223	470369.6	3819115.62	1.91E-04	8.01E-04	7.21E-05	1.59E-04	5.88E-04	5.18E-05	1.80E-05	1.03E-04	1.23E-05	1.64E-05	5.40E-05	3.72E-06
224	470378.23	3819119.32	1.86E-04	7.80E-04	7.03E-05	1.55E-04	5.73E-04	5.04E-05	1.75E-05	1.00E-04	1.20E-05	1.59E-05	5.26E-05	3.62E-06
225	470386.86	3819123.02	1.82E-04	7.62E-04	6.87E-05	1.51E-04	5.60E-04	4.93E-05	1.71E-05	9.81E-05	1.17E-05	1.56E-05	5.14E-05	3.54E-06
226	470398.99	3819135.43	1.87E-04	7.84E-04	7.06E-05	1.55E-04	5.76E-04	5.07E-05	1.76E-05	1.01E-04	1.20E-05	1.60E-05	5.28E-05	3.64E-06
227	470402.5	3819144.14	1.96E-04	8.25E-04	7.43E-05	1.64E-04	6.06E-04	5.33E-05	1.86E-05	1.06E-04	1.27E-05	1.69E-05	5.56E-05	3.83E-06
228	470406	3819152.85	2.07E-04	8.71E-04	7.84E-05	1.73E-04	6.40E-04	5.63E-05	1.96E-05	1.12E-04	1.34E-05	1.78E-05	5.87E-05	4.05E-06
229	470409.51	3819161.56	2.19E-04	9.21E-04	8.30E-05	1.83E-04	6.77E-04	5.95E-05	2.07E-05	1.19E-04	1.41E-05	1.88E-05	6.21E-05	4.28E-06
230	470413.01	3819170.27	2.32E-04	9.76E-04	8.79E-05	1.94E-04	7.17E-04	6.31E-05	2.19E-05	1.26E-04	1.50E-05	2.00E-05	6.58E-05	4.53E-06
231	470416.52	3819178.98	2.47E-04	1.04E-03	9.32E-05	2.05E-04	7.61E-04	6.69E-05	2.33E-05	1.33E-04	1.59E-05	2.12E-05	6.98E-05	4.81E-06
232	470420.03	3819187.69	2.62E-04	1.10E-03	9.89E-05	2.18E-04	8.07E-04	7.10E-05	2.47E-05	1.41E-04	1.69E-05	2.24E-05	7.40E-05	5.10E-06
233	470423.53	3819196.4	2.77E-04	1.16E-03	1.05E-04	2.31E-04	8.56E-04	7.53E-05	2.62E-05	1.50E-04	1.79E-05	2.38E-05	7.85E-05	5.41E-06
234	470427.04	3819205.11	2.93E-04	1.23E-03	1.11E-04	2.44E-04	9.06E-04	7.97E-05	2.77E-05	1.59E-04	1.89E-05	2.52E-05	8.31E-05	5.73E-06
235	470430.55	3819213.81	3.10E-04	1.30E-03	1.17E-04	2.58E-04	9.56E-04	8.41E-05	2.93E-05	1.67E-04	2.00E-05	2.66E-05	8.77E-05	6.05E-06
236	470273.77	3819078.45	2.68E-04	1.13E-03	1.02E-04	2.24E-04	8.28E-04	7.29E-05	2.53E-05	1.45E-04	1.73E-05	2.30E-05	7.60E-05	5.24E-06
237	470264.2	3819078.32	2.82E-04	1.18E-03	1.07E-04	2.35E-04	8.71E-04	7.66E-05	2.66E-05	1.53E-04	1.82E-05	2.42E-05	7.99E-05	5.50E-06
238	470254.64	3819078.18	2.95E-04	1.24E-03	1.11E-04	2.45E-04	9.09E-04	8.00E-05	2.78E-05	1.59E-04	1.90E-05	2.53E-05	8.34E-05	5.75E-06
239	470245.08	3819078.05	3.06E-04	1.29E-03	1.16E-04	2.55E-04	9.45E-04	8.31E-05	2.89E-05	1.66E-04	1.97E-05	2.63E-05	8.67E-05	5.97E-06
240	470235.52	3819077.91	3.17E-04	1.33E-03	1.20E-04	2.64E-04	9.77E-04	8.59E-05	2.99E-05	1.71E-04	2.04E-05	2.72E-05	8.96E-05	6.18E-06
241	470225.96	3819077.78	3.26E-04	1.37E-03	1.23E-04	2.71E-04	1.01E-03	8.85E-05	3.08E-05	1.76E-04	2.10E-05	2.80E-05	9.22E-05	6.36E-06
242	470216.39	3819077.64	3.34E-04	1.40E-03	1.26E-04	2.78E-04	1.03E-03	9.07E-05	3.15E-05	1.81E-04	2.15E-05	2.87E-05	9.46E-05	6.52E-06
243	470206.83	3819077.51	3.40E-04	1.43E-03	1.29E-04	2.84E-04	1.05E-03	9.24E-05	3.22E-05	1.84E-04	2.20E-05	2.92E-05	9.64E-05	6.64E-06
244	470197.27	3819077.37	3.45E-04	1.45E-03	1.30E-04	2.87E-04	1.06E-03	9.36E-05	3.26E-05	1.86E-04	2.22E-05	2.96E-05	9.76E-05	6.73E-06
245	470187.71	3819077.24	3.47E-04	1.46E-03	1.31E-04	2.89E-04	1.07E-03	9.43E-05	3.28E-05	1.88E-04	2.24E-05	2.98E-05	9.83E-05	6.78E-06
246	470159.02	3819076.83	3.42E-04	1.44E-03	1.29E-04	2.85E-04	1.06E-03	9.29E-05	3.23E-05	1.85E-04	2.21E-05	2.94E-05	9.69E-05	6.68E-06
247	470149.46	3819076.7	3.36E-04	1.41E-03	1.27E-04	2.80E-04	1.04E-03	9.13E-05	3.18E-05	1.82E-04	2.17E-05	2.89E-05	9.52E-05	6.56E-06
248	470139.9	3819076.56	3.29E-04	1.38E-03	1.24E-04	2.74E-04	1.02E-03	8.93E-05	3.11E-05	1.78E-04	2.12E-05	2.82E-05	9.31E-05	6.42E-06
249	470130.33	3819076.43	3.19E-04	1.34E-03	1.21E-04	2.66E-04	9.85E-04	8.67E-05	3.01E-05	1.73E-04	2.06E-05	2.74E-05	9.04E-05	6.23E-06
250	470120.77	3819076.29	3.08E-04	1.29E-03	1.17E-04	2.57E-04	9.51E-04	8.37E-05	2.91E-05	1.67E-04	1.99E-05	2.65E-05	8.73E-05	6.01E-06
251	470111.21	3819076.16	2.96E-04	1.24E-03	1.12E-04	2.47E-04	9.14E-04	8.04E-05	2.80E-05	1.60E-04	1.91E-05	2.54E-05	8.38E-05	5.78E-06
252	470317.26	3819073.03	1.99E-04	8.34E-04	7.51E-05	1.65E-04	6.13E-04	5.39E-05	1.88E-05	1.07E-04	1.28E-05	1.71E-05	5.62E-05	3.88E-06
253	470325.67	3819076.64	1.93E-04	8.12E-04	7.31E-05	1.61E-04	5.97E-04	5.25E-05	1.83E-05	1.05E-04	1.25E-05	1.66E-05	5.47E-05	3.77E-06
254	470334.08	3819080.25	1.89E-04	7.92E-04	7.13E-05	1.57E-04	5.82E-04	5.12E-05	1.78E-05	1.02E-04	1.22E-05	1.62E-05	5.34E-05	3.68E-06

255	470342.49	3819083.86	1.83E-04	7.68E-04	6.92E-05	1.52E-04	5.65E-04	4.97E-05	1.73E-05	9.89E-05	1.18E-05	1.57E-05	5.18E-05	3.57E-06
256	470350.9	3819087.47	1.77E-04	7.45E-04	6.71E-05	1.48E-04	5.47E-04	4.82E-05	1.68E-05	9.59E-05	1.14E-05	1.52E-05	5.02E-05	3.46E-06
257	470359.32	3819091.08	1.72E-04	7.23E-04	6.51E-05	1.43E-04	5.31E-04	4.67E-05	1.63E-05	9.31E-05	1.11E-05	1.48E-05	4.87E-05	3.36E-06
258	470367.73	3819094.69	1.67E-04	7.02E-04	6.32E-05	1.39E-04	5.16E-04	4.54E-05	1.58E-05	9.04E-05	1.08E-05	1.44E-05	4.73E-05	3.26E-06
259	470376.14	3819098.3	1.63E-04	6.83E-04	6.15E-05	1.36E-04	5.02E-04	4.42E-05	1.54E-05	8.79E-05	1.05E-05	1.40E-05	4.60E-05	3.17E-06
260	470384.55	3819101.91	1.59E-04	6.66E-04	6.00E-05	1.32E-04	4.89E-04	4.31E-05	1.50E-05	8.57E-05	1.02E-05	1.36E-05	4.49E-05	3.10E-06
261	470392.96	3819105.52	1.55E-04	6.51E-04	5.86E-05	1.29E-04	4.78E-04	4.21E-05	1.46E-05	8.38E-05	1.00E-05	1.33E-05	4.39E-05	3.03E-06
262	470401.37	3819109.13	1.52E-04	6.38E-04	5.74E-05	1.26E-04	4.69E-04	4.12E-05	1.43E-05	8.21E-05	9.80E-06	1.30E-05	4.30E-05	2.96E-06
263	470413.2	3819121.23	1.56E-04	6.54E-04	5.89E-05	1.30E-04	4.80E-04	4.22E-05	1.47E-05	8.41E-05	1.00E-05	1.34E-05	4.41E-05	3.04E-06
264	470416.62	3819129.73	1.63E-04	6.84E-04	6.16E-05	1.36E-04	5.03E-04	4.42E-05	1.54E-05	8.81E-05	1.05E-05	1.40E-05	4.61E-05	3.18E-06
265	470420.04	3819138.22	1.71E-04	7.18E-04	6.47E-05	1.42E-04	5.28E-04	4.64E-05	1.61E-05	9.24E-05	1.10E-05	1.47E-05	4.84E-05	3.34E-06
266	470423.46	3819146.71	1.80E-04	7.56E-04	6.80E-05	1.50E-04	5.55E-04	4.88E-05	1.70E-05	9.73E-05	1.16E-05	1.54E-05	5.09E-05	3.51E-06
267	470426.88	3819155.2	1.90E-04	7.97E-04	7.17E-05	1.58E-04	5.85E-04	5.15E-05	1.79E-05	1.03E-04	1.22E-05	1.63E-05	5.37E-05	3.70E-06
268	470430.3	3819163.69	2.00E-04	8.41E-04	7.57E-05	1.67E-04	6.18E-04	5.44E-05	1.89E-05	1.08E-04	1.29E-05	1.72E-05	5.67E-05	3.91E-06
269	470433.71	3819172.18	2.12E-04	8.89E-04	8.00E-05	1.76E-04	6.53E-04	5.74E-05	2.00E-05	1.14E-04	1.36E-05	1.82E-05	5.99E-05	4.13E-06
270	470437.13	3819180.67	2.24E-04	9.39E-04	8.46E-05	1.86E-04	6.90E-04	6.07E-05	2.11E-05	1.21E-04	1.44E-05	1.92E-05	6.33E-05	4.36E-06
271	470440.55	3819189.17	2.36E-04	9.92E-04	8.94E-05	1.97E-04	7.29E-04	6.41E-05	2.23E-05	1.28E-04	1.52E-05	2.03E-05	6.69E-05	4.61E-06
272	470443.97	3819197.66	2.49E-04	1.05E-03	9.43E-05	2.08E-04	7.69E-04	6.77E-05	2.35E-05	1.35E-04	1.61E-05	2.14E-05	7.06E-05	4.86E-06
273	470447.39	3819206.15	2.62E-04	1.10E-03	9.92E-05	2.19E-04	8.10E-04	7.12E-05	2.48E-05	1.42E-04	1.69E-05	2.25E-05	7.43E-05	5.12E-06
274	470450.81	3819214.64	2.76E-04	1.16E-03	1.04E-04	2.30E-04	8.51E-04	7.48E-05	2.60E-05	1.49E-04	1.78E-05	2.37E-05	7.80E-05	5.38E-06
275	470274.05	3819058.45	2.30E-04	9.66E-04	8.70E-05	1.92E-04	7.10E-04	6.25E-05	2.17E-05	1.24E-04	1.48E-05	1.98E-05	6.51E-05	4.49E-06
276	470264.49	3819058.32	2.40E-04	1.01E-03	9.09E-05	2.00E-04	7.42E-04	6.53E-05	2.27E-05	1.30E-04	1.55E-05	2.06E-05	6.81E-05	4.69E-06
277	470254.92	3819058.18	2.51E-04	1.05E-03	9.47E-05	2.09E-04	7.73E-04	6.80E-05	2.37E-05	1.35E-04	1.62E-05	2.15E-05	7.09E-05	4.89E-06
278	470245.36	3819058.05	2.60E-04	1.09E-03	9.83E-05	2.17E-04	8.02E-04	7.06E-05	2.45E-05	1.41E-04	1.68E-05	2.23E-05	7.36E-05	5.07E-06
279	470235.8	3819057.91	2.69E-04	1.13E-03	1.02E-04	2.24E-04	8.29E-04	7.29E-05	2.54E-05	1.45E-04	1.73E-05	2.31E-05	7.60E-05	5.24E-06
280	470226.24	3819057.78	2.76E-04	1.16E-03	1.04E-04	2.30E-04	8.52E-04	7.50E-05	2.61E-05	1.49E-04	1.78E-05	2.37E-05	7.82E-05	5.39E-06
281	470216.68	3819057.64	2.83E-04	1.19E-03	1.07E-04	2.36E-04	8.73E-04	7.68E-05	2.67E-05	1.53E-04	1.82E-05	2.43E-05	8.00E-05	5.52E-06
282	470207.11	3819057.51	2.88E-04	1.21E-03	1.09E-04	2.40E-04	8.89E-04	7.82E-05	2.72E-05	1.56E-04	1.86E-05	2.47E-05	8.15E-05	5.62E-06
283	470197.55	3819057.37	2.92E-04	1.23E-03	1.10E-04	2.43E-04	9.00E-04	7.92E-05	2.76E-05	1.58E-04	1.88E-05	2.50E-05	8.26E-05	5.69E-06
284	470187.99	3819057.24	2.94E-04	1.23E-03	1.11E-04	2.45E-04	9.07E-04	7.98E-05	2.78E-05	1.59E-04	1.90E-05	2.52E-05	8.32E-05	5.74E-06
285	470159.3	3819056.83	2.91E-04	1.22E-03	1.10E-04	2.42E-04	8.98E-04	7.90E-05	2.75E-05	1.57E-04	1.88E-05	2.50E-05	8.24E-05	5.68E-06
286	470149.74	3819056.7	2.87E-04	1.21E-03	1.09E-04	2.39E-04	8.85E-04	7.79E-05	2.71E-05	1.55E-04	1.85E-05	2.46E-05	8.12E-05	5.60E-06
287	470140.18	3819056.56	2.82E-04	1.18E-03	1.06E-04	2.34E-04	8.69E-04	7.64E-05	2.66E-05	1.52E-04	1.82E-05	2.42E-05	7.97E-05	5.49E-06
288	470130.62	3819056.43	2.74E-04	1.15E-03	1.04E-04	2.29E-04	8.47E-04	7.45E-05	2.59E-05	1.48E-04	1.77E-05	2.36E-05	7.77E-05	5.35E-06
289	470121.05	3819056.29	2.66E-04	1.12E-03	1.01E-04	2.22E-04	8.21E-04	7.23E-05	2.51E-05	1.44E-04	1.72E-05	2.28E-05	7.53E-05	5.19E-06
290	470111.49	3819056.16	2.57E-04	1.08E-03	9.72E-05	2.14E-04	7.93E-04	6.98E-05	2.43E-05	1.39E-04	1.66E-05	2.21E-05	7.28E-05	5.02E-06
291	470318.94	3819053.63	1.74E-04	7.30E-04	6.57E-05	1.45E-04	5.36E-04	4.72E-05	1.64E-05	9.40E-05	1.12E-05	1.49E-05	4.92E-05	3.39E-06
292	470327.7	3819057.39	1.69E-04	7.10E-04	6.39E-05	1.41E-04	5.21E-04	4.59E-05	1.60E-05	9.13E-05	1.09E-05	1.45E-05	4.78E-05	3.30E-06
293	470336.47	3819061.15	1.64E-04	6.90E-04	6.21E-05	1.37E-04	5.07E-04	4.46E-05	1.55E-05	8.88E-05	1.06E-05	1.41E-05	4.65E-05	3.21E-06
294	470345.23	3819064.92	1.60E-04	6.72E-04	6.05E-05	1.33E-04	4.94E-04	4.34E-05	1.51E-05	8.65E-05	1.03E-05	1.37E-05	4.53E-05	3.12E-06
295	470353.99	3819068.68	1.55E-04	6.51E-04	5.86E-05	1.29E-04	4.78E-04	4.21E-05	1.46E-05	8.38E-05	1.00E-05	1.33E-05	4.39E-05	3.02E-06
296	470362.75	3819072.44	1.50E-04	6.31E-04	5.68E-05	1.25E-04	4.64E-04	4.08E-05	1.42E-05	8.12E-05	9.69E-06	1.29E-05	4.25E-05	2.93E-06
297	470371.51	3819076.2	1.46E-04	6.12E-04	5.51E-05	1.21E-04	4.50E-04	3.96E-05	1.38E-05	7.88E-05	9.40E-06	1.25E-05	4.13E-05	2.85E-06

298	470380.28	3819079.96	1.42E-04	5.95E-04	5.36E-05	1.18E-04	4.37E-04	3.84E-05	1.34E-05	7.66E-05	9.14E-06	1.22E-05	4.01E-05	2.76E-06
299	470389.04	3819083.72	1.38E-04	5.79E-04	5.21E-05	1.15E-04	4.25E-04	3.74E-05	1.30E-05	7.45E-05	8.89E-06	1.18E-05	3.90E-05	2.69E-06
300	470397.8	3819087.48	1.34E-04	5.65E-04	5.08E-05	1.12E-04	4.15E-04	3.65E-05	1.27E-05	7.27E-05	8.67E-06	1.15E-05	3.81E-05	2.62E-06
301	470406.56	3819091.24	1.31E-04	5.52E-04	4.97E-05	1.09E-04	4.06E-04	3.57E-05	1.24E-05	7.11E-05	8.48E-06	1.13E-05	3.72E-05	2.56E-06
302	470415.32	3819095	1.29E-04	5.41E-04	4.87E-05	1.07E-04	3.97E-04	3.50E-05	1.22E-05	6.96E-05	8.31E-06	1.11E-05	3.64E-05	2.51E-06
303	470427.65	3819107.61	1.32E-04	5.54E-04	4.99E-05	1.10E-04	4.07E-04	3.58E-05	1.25E-05	7.13E-05	8.50E-06	1.13E-05	3.73E-05	2.57E-06
304	470431.21	3819116.45	1.38E-04	5.79E-04	5.21E-05	1.15E-04	4.25E-04	3.74E-05	1.30E-05	7.45E-05	8.89E-06	1.18E-05	3.90E-05	2.69E-06
305	470434.77	3819125.3	1.45E-04	6.07E-04	5.47E-05	1.20E-04	4.46E-04	3.92E-05	1.36E-05	7.81E-05	9.32E-06	1.24E-05	4.09E-05	2.82E-06
306	470438.33	3819134.14	1.52E-04	6.38E-04	5.74E-05	1.27E-04	4.69E-04	4.12E-05	1.43E-05	8.21E-05	9.80E-06	1.30E-05	4.30E-05	2.96E-06
307	470441.89	3819142.99	1.60E-04	6.72E-04	6.05E-05	1.33E-04	4.94E-04	4.34E-05	1.51E-05	8.65E-05	1.03E-05	1.37E-05	4.53E-05	3.12E-06
308	470445.45	3819151.83	1.69E-04	7.09E-04	6.38E-05	1.41E-04	5.21E-04	4.58E-05	1.59E-05	9.13E-05	1.09E-05	1.45E-05	4.78E-05	3.29E-06
309	470449.01	3819160.68	1.78E-04	7.49E-04	6.75E-05	1.49E-04	5.50E-04	4.84E-05	1.68E-05	9.64E-05	1.15E-05	1.53E-05	5.05E-05	3.48E-06
310	470452.57	3819169.52	1.89E-04	7.92E-04	7.13E-05	1.57E-04	5.82E-04	5.12E-05	1.78E-05	1.02E-04	1.22E-05	1.62E-05	5.34E-05	3.68E-06
311	470456.14	3819178.37	1.99E-04	8.37E-04	7.54E-05	1.66E-04	6.15E-04	5.41E-05	1.88E-05	1.08E-04	1.29E-05	1.71E-05	5.64E-05	3.89E-06
312	470459.7	3819187.21	2.10E-04	8.83E-04	7.96E-05	1.75E-04	6.49E-04	5.71E-05	1.99E-05	1.14E-04	1.36E-05	1.81E-05	5.95E-05	4.10E-06
313	470463.26	3819196.06	2.22E-04	9.31E-04	8.39E-05	1.85E-04	6.84E-04	6.02E-05	2.09E-05	1.20E-04	1.43E-05	1.90E-05	6.28E-05	4.33E-06
314	470466.82	3819204.9	2.33E-04	9.80E-04	8.83E-05	1.94E-04	7.20E-04	6.33E-05	2.20E-05	1.26E-04	1.51E-05	2.00E-05	6.61E-05	4.55E-06
315	470470.38	3819213.75	2.45E-04	1.03E-03	9.26E-05	2.04E-04	7.56E-04	6.65E-05	2.31E-05	1.32E-04	1.58E-05	2.10E-05	6.93E-05	4.78E-06
316	470274.33	3819038.45	2.00E-04	8.38E-04	7.55E-05	1.66E-04	6.16E-04	5.42E-05	1.88E-05	1.08E-04	1.29E-05	1.71E-05	5.65E-05	3.89E-06
317	470264.77	3819038.32	2.08E-04	8.73E-04	7.86E-05	1.73E-04	6.41E-04	5.64E-05	1.96E-05	1.12E-04	1.34E-05	1.78E-05	5.88E-05	4.06E-06
318	470255.21	3819038.18	2.16E-04	9.07E-04	8.17E-05	1.80E-04	6.66E-04	5.86E-05	2.04E-05	1.17E-04	1.39E-05	1.85E-05	6.11E-05	4.21E-06
319	470245.64	3819038.05	2.24E-04	9.40E-04	8.46E-05	1.86E-04	6.91E-04	6.07E-05	2.11E-05	1.21E-04	1.44E-05	1.92E-05	6.33E-05	4.37E-06
320	470236.08	3819037.91	2.31E-04	9.70E-04	8.73E-05	1.92E-04	7.13E-04	6.27E-05	2.18E-05	1.25E-04	1.49E-05	1.98E-05	6.54E-05	4.51E-06
321	470226.52	3819037.78	2.37E-04	9.96E-04	8.97E-05	1.98E-04	7.32E-04	6.44E-05	2.24E-05	1.28E-04	1.53E-05	2.04E-05	6.72E-05	4.63E-06
322	470216.96	3819037.64	2.43E-04	1.02E-03	9.17E-05	2.02E-04	7.49E-04	6.59E-05	2.29E-05	1.31E-04	1.56E-05	2.08E-05	6.87E-05	4.73E-06
323	470207.4	3819037.51	2.47E-04	1.04E-03	9.34E-05	2.06E-04	7.62E-04	6.70E-05	2.33E-05	1.33E-04	1.59E-05	2.12E-05	6.99E-05	4.82E-06
324	470197.83	3819037.37	2.50E-04	1.05E-03	9.46E-05	2.08E-04	7.72E-04	6.79E-05	2.36E-05	1.35E-04	1.61E-05	2.15E-05	7.08E-05	4.88E-06
325	470188.27	3819037.24	2.52E-04	1.06E-03	9.53E-05	2.10E-04	7.78E-04	6.84E-05	2.38E-05	1.36E-04	1.63E-05	2.16E-05	7.13E-05	4.92E-06
326	470159.58	3819036.83	2.50E-04	1.05E-03	9.47E-05	2.09E-04	7.73E-04	6.80E-05	2.36E-05	1.35E-04	1.62E-05	2.15E-05	7.09E-05	4.89E-06
327	470150.02	3819036.7	2.48E-04	1.04E-03	9.36E-05	2.06E-04	7.64E-04	6.72E-05	2.34E-05	1.34E-04	1.60E-05	2.12E-05	7.01E-05	4.83E-06
328	470140.46	3819036.56	2.44E-04	1.02E-03	9.21E-05	2.03E-04	7.51E-04	6.61E-05	2.30E-05	1.32E-04	1.57E-05	2.09E-05	6.89E-05	4.75E-06
329	470130.9	3819036.43	2.38E-04	1.00E-03	9.01E-05	1.98E-04	7.35E-04	6.46E-05	2.25E-05	1.29E-04	1.54E-05	2.04E-05	6.74E-05	4.65E-06
330	470121.34	3819036.29	2.32E-04	9.74E-04	8.77E-05	1.93E-04	7.16E-04	6.30E-05	2.19E-05	1.25E-04	1.50E-05	1.99E-05	6.56E-05	4.53E-06
331	470111.77	3819036.16	2.25E-04	9.45E-04	8.51E-05	1.87E-04	6.94E-04	6.11E-05	2.12E-05	1.22E-04	1.45E-05	1.93E-05	6.37E-05	4.39E-06
332	470318.45	3819033.3	1.54E-04	6.49E-04	5.84E-05	1.29E-04	4.77E-04	4.19E-05	1.46E-05	8.35E-05	9.96E-06	1.33E-05	4.37E-05	3.01E-06
333	470327.01	3819036.98	1.50E-04	6.31E-04	5.69E-05	1.25E-04	4.64E-04	4.08E-05	1.42E-05	8.13E-05	9.70E-06	1.29E-05	4.26E-05	2.93E-06
334	470335.58	3819040.66	1.46E-04	6.14E-04	5.53E-05	1.22E-04	4.51E-04	3.97E-05	1.38E-05	7.90E-05	9.43E-06	1.25E-05	4.14E-05	2.85E-06
335	470344.15	3819044.33	1.42E-04	5.96E-04	5.37E-05	1.18E-04	4.38E-04	3.85E-05	1.34E-05	7.67E-05	9.15E-06	1.22E-05	4.02E-05	2.77E-06
336	470352.71	3819048.01	1.38E-04	5.79E-04	5.21E-05	1.15E-04	4.25E-04	3.74E-05	1.30E-05	7.45E-05	8.89E-06	1.18E-05	3.90E-05	2.69E-06
337	470361.28	3819051.69	1.34E-04	5.63E-04	5.07E-05	1.12E-04	4.14E-04	3.64E-05	1.27E-05	7.24E-05	8.64E-06	1.15E-05	3.79E-05	2.61E-06
338	470369.85	3819055.36	1.30E-04	5.47E-04	4.93E-05	1.09E-04	4.02E-04	3.54E-05	1.23E-05	7.05E-05	8.41E-06	1.12E-05	3.69E-05	2.54E-06
339	470378.42	3819059.04	1.27E-04	5.33E-04	4.80E-05	1.06E-04	3.92E-04	3.45E-05	1.20E-05	6.86E-05	8.19E-06	1.09E-05	3.59E-05	2.48E-06
340	470386.98	3819062.72	1.24E-04	5.19E-04	4.68E-05	1.03E-04	3.81E-04	3.36E-05	1.17E-05	6.68E-05	7.97E-06	1.06E-05	3.50E-05	2.41E-06

341	470395.55	3819066.4	1.20E-04	5.06E-04	4.55E-05	1.00E-04	3.71E-04	3.27E-05	1.14E-05	6.51E-05	7.76E-06	1.03E-05	3.41E-05	2.35E-06
342	470404.12	3819070.07	1.17E-04	4.93E-04	4.44E-05	9.78E-05	3.62E-04	3.19E-05	1.11E-05	6.35E-05	7.57E-06	1.01E-05	3.32E-05	2.29E-06
343	470412.69	3819073.75	1.15E-04	4.82E-04	4.34E-05	9.55E-05	3.54E-04	3.11E-05	1.08E-05	6.20E-05	7.40E-06	9.85E-06	3.25E-05	2.24E-06
344	470421.25	3819077.43	1.12E-04	4.72E-04	4.25E-05	9.35E-05	3.47E-04	3.05E-05	1.06E-05	6.07E-05	7.24E-06	9.64E-06	3.18E-05	2.19E-06
345	470429.82	3819081.1	1.10E-04	4.63E-04	4.17E-05	9.18E-05	3.40E-04	2.99E-05	1.04E-05	5.96E-05	7.11E-06	9.46E-06	3.12E-05	2.15E-06
346	470441.87	3819093.43	1.13E-04	4.73E-04	4.26E-05	9.38E-05	3.48E-04	3.06E-05	1.06E-05	6.09E-05	7.26E-06	9.67E-06	3.19E-05	2.20E-06
347	470445.35	3819102.08	1.17E-04	4.93E-04	4.44E-05	9.77E-05	3.62E-04	3.19E-05	1.11E-05	6.34E-05	7.57E-06	1.01E-05	3.32E-05	2.29E-06
348	470448.83	3819110.73	1.23E-04	5.15E-04	4.63E-05	1.02E-04	3.78E-04	3.33E-05	1.16E-05	6.62E-05	7.90E-06	1.05E-05	3.47E-05	2.39E-06
349	470452.32	3819119.38	1.28E-04	5.38E-04	4.85E-05	1.07E-04	3.96E-04	3.48E-05	1.21E-05	6.93E-05	8.27E-06	1.10E-05	3.63E-05	2.50E-06
350	470455.8	3819128.02	1.34E-04	5.65E-04	5.09E-05	1.12E-04	4.15E-04	3.65E-05	1.27E-05	7.27E-05	8.67E-06	1.15E-05	3.81E-05	2.62E-06
351	470459.28	3819136.67	1.41E-04	5.93E-04	5.34E-05	1.18E-04	4.36E-04	3.84E-05	1.33E-05	7.64E-05	9.11E-06	1.21E-05	4.00E-05	2.76E-06
352	470462.76	3819145.32	1.49E-04	6.24E-04	5.62E-05	1.24E-04	4.59E-04	4.04E-05	1.40E-05	8.04E-05	9.59E-06	1.28E-05	4.21E-05	2.90E-06
353	470466.24	3819153.97	1.57E-04	6.58E-04	5.92E-05	1.30E-04	4.83E-04	4.25E-05	1.48E-05	8.47E-05	1.01E-05	1.34E-05	4.43E-05	3.06E-06
354	470469.73	3819162.62	1.65E-04	6.93E-04	6.24E-05	1.37E-04	5.09E-04	4.48E-05	1.56E-05	8.92E-05	1.06E-05	1.42E-05	4.67E-05	3.22E-06
355	470274.61	3819018.46	1.75E-04	7.34E-04	6.61E-05	1.46E-04	5.39E-04	4.74E-05	1.65E-05	9.45E-05	1.13E-05	1.50E-05	4.95E-05	3.41E-06
356	470265.05	3819018.32	1.82E-04	7.64E-04	6.88E-05	1.51E-04	5.61E-04	4.94E-05	1.72E-05	9.83E-05	1.17E-05	1.56E-05	5.15E-05	3.55E-06
357	470255.49	3819018.19	1.89E-04	7.92E-04	7.13E-05	1.57E-04	5.82E-04	5.12E-05	1.78E-05	1.02E-04	1.22E-05	1.62E-05	5.34E-05	3.68E-06
358	470245.93	3819018.05	1.95E-04	8.19E-04	7.37E-05	1.62E-04	6.02E-04	5.29E-05	1.84E-05	1.05E-04	1.26E-05	1.67E-05	5.52E-05	3.80E-06
359	470236.36	3819017.92	2.01E-04	8.43E-04	7.60E-05	1.67E-04	6.20E-04	5.45E-05	1.90E-05	1.09E-04	1.30E-05	1.72E-05	5.68E-05	3.92E-06
360	470226.8	3819017.78	2.06E-04	8.65E-04	7.79E-05	1.72E-04	6.36E-04	5.59E-05	1.95E-05	1.11E-04	1.33E-05	1.77E-05	5.83E-05	4.02E-06
361	470217.24	3819017.65	2.10E-04	8.84E-04	7.96E-05	1.75E-04	6.49E-04	5.71E-05	1.99E-05	1.14E-04	1.36E-05	1.81E-05	5.96E-05	4.11E-06
362	470207.68	3819017.51	2.14E-04	8.99E-04	8.09E-05	1.78E-04	6.60E-04	5.81E-05	2.02E-05	1.16E-04	1.38E-05	1.84E-05	6.06E-05	4.18E-06
363	470198.12	3819017.38	2.17E-04	9.10E-04	8.19E-05	1.80E-04	6.69E-04	5.88E-05	2.05E-05	1.17E-04	1.40E-05	1.86E-05	6.13E-05	4.23E-06
364	470188.55	3819017.24	2.18E-04	9.17E-04	8.26E-05	1.82E-04	6.74E-04	5.93E-05	2.06E-05	1.18E-04	1.41E-05	1.87E-05	6.18E-05	4.26E-06
365	470159.87	3819016.84	2.18E-04	9.14E-04	8.23E-05	1.81E-04	6.72E-04	5.91E-05	2.06E-05	1.18E-04	1.40E-05	1.87E-05	6.16E-05	4.25E-06
366	470150.3	3819016.7	2.16E-04	9.05E-04	8.15E-05	1.80E-04	6.65E-04	5.85E-05	2.04E-05	1.17E-04	1.39E-05	1.85E-05	6.10E-05	4.21E-06
367	470140.74	3819016.57	2.13E-04	8.93E-04	8.04E-05	1.77E-04	6.56E-04	5.77E-05	2.01E-05	1.15E-04	1.37E-05	1.83E-05	6.02E-05	4.15E-06
368	470131.18	3819016.43	2.09E-04	8.76E-04	7.89E-05	1.74E-04	6.43E-04	5.66E-05	1.97E-05	1.13E-04	1.35E-05	1.79E-05	5.90E-05	4.07E-06
369	470121.62	3819016.3	2.04E-04	8.55E-04	7.70E-05	1.70E-04	6.29E-04	5.53E-05	1.92E-05	1.10E-04	1.31E-05	1.75E-05	5.77E-05	3.97E-06
370	470112.06	3819016.16	1.98E-04	8.33E-04	7.50E-05	1.65E-04	6.12E-04	5.38E-05	1.87E-05	1.07E-04	1.28E-05	1.70E-05	5.61E-05	3.87E-06
371	470318.1	3819013.04	1.38E-04	5.80E-04	5.22E-05	1.15E-04	4.26E-04	3.75E-05	1.30E-05	7.47E-05	8.91E-06	1.19E-05	3.91E-05	2.70E-06
372	470326.52	3819016.65	1.35E-04	5.66E-04	5.10E-05	1.12E-04	4.16E-04	3.66E-05	1.27E-05	7.29E-05	8.70E-06	1.16E-05	3.82E-05	2.63E-06
373	470334.93	3819020.26	1.31E-04	5.52E-04	4.97E-05	1.09E-04	4.05E-04	3.57E-05	1.24E-05	7.10E-05	8.47E-06	1.13E-05	3.72E-05	2.56E-06
374	470343.34	3819023.87	1.28E-04	5.37E-04	4.83E-05	1.06E-04	3.94E-04	3.47E-05	1.21E-05	6.91E-05	8.24E-06	1.10E-05	3.62E-05	2.49E-06
375	470351.75	3819027.48	1.24E-04	5.22E-04	4.70E-05	1.03E-04	3.83E-04	3.37E-05	1.17E-05	6.72E-05	8.01E-06	1.07E-05	3.52E-05	2.42E-06
376	470360.16	3819031.09	1.21E-04	5.07E-04	4.57E-05	1.01E-04	3.73E-04	3.28E-05	1.14E-05	6.53E-05	7.79E-06	1.04E-05	3.42E-05	2.36E-06
377	470368.57	3819034.7	1.17E-04	4.93E-04	4.44E-05	9.77E-05	3.62E-04	3.18E-05	1.11E-05	6.34E-05	7.56E-06	1.01E-05	3.32E-05	2.29E-06
378	470376.99	3819038.31	1.14E-04	4.79E-04	4.31E-05	9.49E-05	3.52E-04	3.09E-05	1.08E-05	6.16E-05	7.35E-06	9.78E-06	3.23E-05	2.22E-06
379	470385.4	3819041.92	1.11E-04	4.65E-04	4.19E-05	9.23E-05	3.42E-04	3.01E-05	1.05E-05	5.99E-05	7.15E-06	9.51E-06	3.14E-05	2.16E-06
380	470393.81	3819045.53	1.08E-04	4.53E-04	4.08E-05	8.98E-05	3.33E-04	2.93E-05	1.02E-05	5.83E-05	6.95E-06	9.25E-06	3.05E-05	2.10E-06
381	470402.22	3819049.14	1.05E-04	4.42E-04	3.98E-05	8.76E-05	3.25E-04	2.86E-05	9.93E-06	5.69E-05	6.78E-06	9.03E-06	2.98E-05	2.05E-06
382	470410.63	3819052.75	1.03E-04	4.32E-04	3.89E-05	8.57E-05	3.17E-04	2.79E-05	9.72E-06	5.56E-05	6.64E-06	8.83E-06	2.91E-05	2.01E-06
383	470419.04	3819056.36	1.01E-04	4.25E-04	3.82E-05	8.42E-05	3.12E-04	2.74E-05	9.55E-06	5.47E-05	6.52E-06	8.68E-06	2.86E-05	1.97E-06

384	470427.46	3819059.97	9.90E-05	4.16E-04	3.74E-05	8.24E-05	3.05E-04	2.69E-05	9.34E-06	5.35E-05	6.38E-06	8.50E-06	2.80E-05	1.93E-06
385	470435.87	3819063.58	9.70E-05	4.08E-04	3.67E-05	8.08E-05	2.99E-04	2.63E-05	9.16E-06	5.25E-05	6.26E-06	8.33E-06	2.75E-05	1.89E-06
386	470444.28	3819067.19	9.53E-05	4.00E-04	3.61E-05	7.94E-05	2.94E-04	2.59E-05	9.00E-06	5.15E-05	6.15E-06	8.18E-06	2.70E-05	1.86E-06
387	470274.9	3818998.46	1.55E-04	6.50E-04	5.85E-05	1.29E-04	4.77E-04	4.20E-05	1.46E-05	8.36E-05	9.98E-06	1.33E-05	4.38E-05	3.02E-06
388	470265.33	3818998.32	1.61E-04	6.74E-04	6.07E-05	1.34E-04	4.95E-04	4.36E-05	1.52E-05	8.68E-05	1.04E-05	1.38E-05	4.55E-05	3.13E-06
389	470255.77	3818998.19	1.66E-04	6.98E-04	6.29E-05	1.38E-04	5.13E-04	4.51E-05	1.57E-05	8.98E-05	1.07E-05	1.43E-05	4.70E-05	3.24E-06
390	470246.21	3818998.05	1.71E-04	7.20E-04	6.48E-05	1.43E-04	5.29E-04	4.65E-05	1.62E-05	9.27E-05	1.11E-05	1.47E-05	4.85E-05	3.35E-06
391	470236.65	3818997.92	1.76E-04	7.40E-04	6.67E-05	1.47E-04	5.44E-04	4.79E-05	1.66E-05	9.53E-05	1.14E-05	1.51E-05	4.99E-05	3.44E-06
392	470227.08	3818997.78	1.81E-04	7.58E-04	6.83E-05	1.50E-04	5.57E-04	4.90E-05	1.70E-05	9.76E-05	1.16E-05	1.55E-05	5.11E-05	3.52E-06
393	470217.52	3818997.65	1.84E-04	7.74E-04	6.97E-05	1.53E-04	5.69E-04	5.00E-05	1.74E-05	9.96E-05	1.19E-05	1.58E-05	5.21E-05	3.59E-06
394	470207.96	3818997.51	1.87E-04	7.86E-04	7.08E-05	1.56E-04	5.78E-04	5.08E-05	1.77E-05	1.01E-04	1.21E-05	1.61E-05	5.30E-05	3.65E-06
395	470198.4	3818997.38	1.90E-04	7.96E-04	7.17E-05	1.58E-04	5.85E-04	5.15E-05	1.79E-05	1.02E-04	1.22E-05	1.63E-05	5.36E-05	3.70E-06
396	470188.84	3818997.24	1.91E-04	8.02E-04	7.23E-05	1.59E-04	5.90E-04	5.19E-05	1.80E-05	1.03E-04	1.23E-05	1.64E-05	5.41E-05	3.73E-06
397	470160.15	3818996.84	1.91E-04	8.02E-04	7.22E-05	1.59E-04	5.89E-04	5.18E-05	1.80E-05	1.03E-04	1.23E-05	1.64E-05	5.41E-05	3.73E-06
398	470150.59	3818996.7	1.89E-04	7.96E-04	7.16E-05	1.58E-04	5.85E-04	5.14E-05	1.79E-05	1.02E-04	1.22E-05	1.63E-05	5.36E-05	3.70E-06
399	470141.02	3818996.57	1.87E-04	7.86E-04	7.08E-05	1.56E-04	5.78E-04	5.08E-05	1.77E-05	1.01E-04	1.21E-05	1.61E-05	5.30E-05	3.65E-06
400	470131.46	3818996.43	1.84E-04	7.73E-04	6.96E-05	1.53E-04	5.68E-04	4.99E-05	1.74E-05	9.95E-05	1.19E-05	1.58E-05	5.21E-05	3.59E-06
401	470121.9	3818996.3	1.80E-04	7.57E-04	6.82E-05	1.50E-04	5.56E-04	4.89E-05	1.70E-05	9.74E-05	1.16E-05	1.55E-05	5.10E-05	3.52E-06
402	470112.34	3818996.16	1.76E-04	7.39E-04	6.65E-05	1.47E-04	5.43E-04	4.78E-05	1.66E-05	9.51E-05	1.13E-05	1.51E-05	4.98E-05	3.43E-06
403	470319.45	3818993.5	1.24E-04	5.20E-04	4.68E-05	1.03E-04	3.82E-04	3.36E-05	1.17E-05	6.69E-05	7.99E-06	1.06E-05	3.50E-05	2.42E-06
404	470328.13	3818997.22	1.21E-04	5.08E-04	4.57E-05	1.01E-04	3.73E-04	3.28E-05	1.14E-05	6.53E-05	7.80E-06	1.04E-05	3.42E-05	2.36E-06
405	470336.81	3819000.95	1.18E-04	4.95E-04	4.46E-05	9.81E-05	3.64E-04	3.20E-05	1.11E-05	6.37E-05	7.60E-06	1.01E-05	3.33E-05	2.30E-06
406	470345.49	3819004.67	1.15E-04	4.82E-04	4.34E-05	9.55E-05	3.54E-04	3.11E-05	1.08E-05	6.20E-05	7.40E-06	9.84E-06	3.25E-05	2.24E-06
407	470354.17	3819008.4	1.12E-04	4.68E-04	4.22E-05	9.29E-05	3.44E-04	3.03E-05	1.05E-05	6.03E-05	7.19E-06	9.57E-06	3.16E-05	2.18E-06
408	470362.85	3819012.12	1.08E-04	4.55E-04	4.10E-05	9.03E-05	3.34E-04	2.94E-05	1.02E-05	5.86E-05	6.99E-06	9.30E-06	3.07E-05	2.11E-06
409	470371.53	3819015.85	1.05E-04	4.42E-04	3.98E-05	8.77E-05	3.25E-04	2.86E-05	9.94E-06	5.69E-05	6.79E-06	9.04E-06	2.98E-05	2.05E-06
410	470380.21	3819019.57	1.02E-04	4.30E-04	3.87E-05	8.52E-05	3.16E-04	2.78E-05	9.66E-06	5.53E-05	6.60E-06	8.78E-06	2.90E-05	2.00E-06
411	470388.88	3819023.3	9.94E-05	4.18E-04	3.76E-05	8.28E-05	3.07E-04	2.70E-05	9.39E-06	5.37E-05	6.41E-06	8.53E-06	2.81E-05	1.94E-06
412	470397.56	3819027.02	9.67E-05	4.06E-04	3.66E-05	8.05E-05	2.98E-04	2.62E-05	9.13E-06	5.23E-05	6.23E-06	8.30E-06	2.74E-05	1.89E-06
413	470406.24	3819030.75	9.41E-05	3.95E-04	3.56E-05	7.84E-05	2.90E-04	2.55E-05	8.88E-06	5.09E-05	6.07E-06	8.08E-06	2.66E-05	1.84E-06
414	470414.92	3819034.47	9.18E-05	3.86E-04	3.47E-05	7.65E-05	2.83E-04	2.49E-05	8.67E-06	4.96E-05	5.92E-06	7.88E-06	2.60E-05	1.79E-06
415	470423.6	3819038.2	9.00E-05	3.78E-04	3.40E-05	7.50E-05	2.78E-04	2.44E-05	8.50E-06	4.87E-05	5.81E-06	7.73E-06	2.55E-05	1.76E-06
416	470432.28	3819041.92	8.83E-05	3.71E-04	3.34E-05	7.35E-05	2.72E-04	2.40E-05	8.33E-06	4.77E-05	5.69E-06	7.58E-06	2.50E-05	1.72E-06
417	470440.96	3819045.65	8.64E-05	3.63E-04	3.27E-05	7.20E-05	2.67E-04	2.35E-05	8.16E-06	4.67E-05	5.57E-06	7.42E-06	2.45E-05	1.69E-06
418	470275.18	3818978.46	1.38E-04	5.79E-04	5.22E-05	1.15E-04	4.26E-04	3.74E-05	1.30E-05	7.46E-05	8.90E-06	1.18E-05	3.90E-05	2.69E-06
419	470265.62	3818978.33	1.43E-04	6.00E-04	5.40E-05	1.19E-04	4.41E-04	3.88E-05	1.35E-05	7.72E-05	9.21E-06	1.23E-05	4.04E-05	2.79E-06
420	470256.05	3818978.19	1.48E-04	6.20E-04	5.58E-05	1.23E-04	4.55E-04	4.00E-05	1.39E-05	7.98E-05	9.52E-06	1.27E-05	4.18E-05	2.88E-06
421	470246.49	3818978.06	1.52E-04	6.38E-04	5.75E-05	1.27E-04	4.69E-04	4.12E-05	1.43E-05	8.21E-05	9.80E-06	1.30E-05	4.30E-05	2.96E-06
422	470236.93	3818977.92	1.56E-04	6.55E-04	5.90E-05	1.30E-04	4.81E-04	4.23E-05	1.47E-05	8.43E-05	1.01E-05	1.34E-05	4.41E-05	3.04E-06
423	470227.37	3818977.79	1.60E-04	6.70E-04	6.03E-05	1.33E-04	4.92E-04	4.33E-05	1.51E-05	8.63E-05	1.03E-05	1.37E-05	4.52E-05	3.11E-06
424	470217.8	3818977.65	1.63E-04	6.83E-04	6.15E-05	1.35E-04	5.02E-04	4.42E-05	1.54E-05	8.79E-05	1.05E-05	1.40E-05	4.60E-05	3.17E-06
425	470208.24	3818977.52	1.65E-04	6.94E-04	6.25E-05	1.38E-04	5.10E-04	4.49E-05	1.56E-05	8.93E-05	1.07E-05	1.42E-05	4.68E-05	3.22E-06
426	470198.68	3818977.38	1.67E-04	7.02E-04	6.32E-05	1.39E-04	5.16E-04	4.54E-05	1.58E-05	9.04E-05	1.08E-05	1.44E-05	4.73E-05	3.26E-06

427	470189.12	3818977.25	1.69E-04	7.08E-04	6.37E-05	1.40E-04	5.20E-04	4.58E-05	1.59E-05	9.11E-05	1.09E-05	1.45E-05	4.77E-05	3.29E-06
428	470160.43	3818976.84	1.69E-04	7.09E-04	6.39E-05	1.41E-04	5.21E-04	4.58E-05	1.59E-05	9.13E-05	1.09E-05	1.45E-05	4.78E-05	3.29E-06
429	470150.87	3818976.71	1.68E-04	7.04E-04	6.34E-05	1.40E-04	5.18E-04	4.55E-05	1.58E-05	9.07E-05	1.08E-05	1.44E-05	4.75E-05	3.27E-06
430	470141.31	3818976.57	1.66E-04	6.97E-04	6.28E-05	1.38E-04	5.12E-04	4.51E-05	1.57E-05	8.97E-05	1.07E-05	1.42E-05	4.70E-05	3.24E-06
431	470131.74	3818976.44	1.64E-04	6.87E-04	6.19E-05	1.36E-04	5.05E-04	4.44E-05	1.54E-05	8.84E-05	1.06E-05	1.40E-05	4.63E-05	3.19E-06
432	470122.18	3818976.3	1.61E-04	6.75E-04	6.08E-05	1.34E-04	4.96E-04	4.36E-05	1.52E-05	8.68E-05	1.04E-05	1.38E-05	4.55E-05	3.13E-06
433	470112.62	3818976.17	1.57E-04	6.61E-04	5.95E-05	1.31E-04	4.85E-04	4.27E-05	1.49E-05	8.50E-05	1.01E-05	1.35E-05	4.45E-05	3.07E-06
434	470319.16	3818973.25	1.12E-04	4.69E-04	4.22E-05	9.29E-05	3.44E-04	3.03E-05	1.05E-05	6.03E-05	7.20E-06	9.58E-06	3.16E-05	2.18E-06
435	470327.69	3818976.91	1.09E-04	4.59E-04	4.13E-05	9.10E-05	3.37E-04	2.97E-05	1.03E-05	5.91E-05	7.05E-06	9.38E-06	3.09E-05	2.13E-06
436	470336.22	3818980.57	1.07E-04	4.49E-04	4.04E-05	8.90E-05	3.30E-04	2.90E-05	1.01E-05	5.77E-05	6.89E-06	9.17E-06	3.02E-05	2.08E-06
437	470344.76	3818984.24	1.04E-04	4.38E-04	3.95E-05	8.69E-05	3.22E-04	2.83E-05	9.85E-06	5.64E-05	6.73E-06	8.96E-06	2.95E-05	2.04E-06
438	470353.29	3818987.9	1.02E-04	4.27E-04	3.85E-05	8.47E-05	3.14E-04	2.76E-05	9.61E-06	5.50E-05	6.56E-06	8.73E-06	2.88E-05	1.99E-06
439	470361.82	3818991.56	9.91E-05	4.16E-04	3.75E-05	8.25E-05	3.06E-04	2.69E-05	9.35E-06	5.36E-05	6.39E-06	8.50E-06	2.80E-05	1.93E-06
440	470370.36	3818995.22	9.64E-05	4.05E-04	3.65E-05	8.03E-05	2.97E-04	2.62E-05	9.10E-06	5.21E-05	6.22E-06	8.28E-06	2.73E-05	1.88E-06
441	470378.89	3818998.89	9.38E-05	3.94E-04	3.55E-05	7.81E-05	2.89E-04	2.55E-05	8.86E-06	5.07E-05	6.05E-06	8.05E-06	2.65E-05	1.83E-06
442	470387.42	3819002.55	9.12E-05	3.83E-04	3.45E-05	7.60E-05	2.82E-04	2.48E-05	8.61E-06	4.93E-05	5.88E-06	7.83E-06	2.58E-05	1.78E-06
443	470395.96	3819006.21	8.88E-05	3.73E-04	3.36E-05	7.39E-05	2.74E-04	2.41E-05	8.38E-06	4.80E-05	5.72E-06	7.62E-06	2.51E-05	1.73E-06
444	470404.49	3819009.88	8.64E-05	3.63E-04	3.27E-05	7.20E-05	2.67E-04	2.35E-05	8.16E-06	4.67E-05	5.57E-06	7.42E-06	2.45E-05	1.69E-06
445	470413.03	3819013.54	8.41E-05	3.53E-04	3.18E-05	7.01E-05	2.60E-04	2.28E-05	7.95E-06	4.55E-05	5.43E-06	7.22E-06	2.38E-05	1.64E-06
446	470421.56	3819017.2	8.21E-05	3.45E-04	3.10E-05	6.84E-05	2.53E-04	2.23E-05	7.75E-06	4.44E-05	5.29E-06	7.04E-06	2.32E-05	1.60E-06
447	470430.09	3819020.86	8.02E-05	3.37E-04	3.03E-05	6.68E-05	2.48E-04	2.18E-05	7.58E-06	4.34E-05	5.17E-06	6.89E-06	2.27E-05	1.57E-06
448	470438.63	3819024.53	7.86E-05	3.30E-04	2.97E-05	6.55E-05	2.43E-04	2.13E-05	7.43E-06	4.25E-05	5.07E-06	6.75E-06	2.23E-05	1.53E-06
449	470554.12	3819223.74	1.72E-04	7.24E-04	6.52E-05	1.44E-04	5.32E-04	4.68E-05	1.63E-05	9.32E-05	1.11E-05	1.48E-05	4.88E-05	3.37E-06
450	470557.59	3819232.36	1.78E-04	7.48E-04	6.73E-05	1.48E-04	5.49E-04	4.83E-05	1.68E-05	9.62E-05	1.15E-05	1.53E-05	5.04E-05	3.47E-06
451	470275.46	3818958.46	1.24E-04	5.20E-04	4.68E-05	1.03E-04	3.82E-04	3.36E-05	1.17E-05	6.69E-05	7.98E-06	1.06E-05	3.50E-05	2.41E-06
452	470265.9	3818958.33	1.28E-04	5.37E-04	4.84E-05	1.07E-04	3.95E-04	3.47E-05	1.21E-05	6.91E-05	8.25E-06	1.10E-05	3.62E-05	2.50E-06
453	470256.34	3818958.19	1.32E-04	5.54E-04	4.99E-05	1.10E-04	4.07E-04	3.58E-05	1.24E-05	7.13E-05	8.50E-06	1.13E-05	3.73E-05	2.57E-06
454	470246.77	3818958.06	1.36E-04	5.69E-04	5.13E-05	1.13E-04	4.18E-04	3.68E-05	1.28E-05	7.33E-05	8.74E-06	1.16E-05	3.84E-05	2.64E-06
455	470237.21	3818957.92	1.39E-04	5.84E-04	5.26E-05	1.16E-04	4.29E-04	3.77E-05	1.31E-05	7.51E-05	8.96E-06	1.19E-05	3.93E-05	2.71E-06
456	470227.65	3818957.79	1.42E-04	5.96E-04	5.37E-05	1.18E-04	4.38E-04	3.85E-05	1.34E-05	7.68E-05	9.16E-06	1.22E-05	4.02E-05	2.77E-06
457	470218.09	3818957.65	1.45E-04	6.07E-04	5.47E-05	1.20E-04	4.46E-04	3.93E-05	1.37E-05	7.82E-05	9.33E-06	1.24E-05	4.09E-05	2.82E-06
458	470208.52	3818957.52	1.47E-04	6.17E-04	5.55E-05	1.22E-04	4.53E-04	3.99E-05	1.39E-05	7.94E-05	9.47E-06	1.26E-05	4.16E-05	2.87E-06
459	470198.96	3818957.38	1.49E-04	6.24E-04	5.62E-05	1.24E-04	4.58E-04	4.03E-05	1.40E-05	8.03E-05	9.58E-06	1.28E-05	4.21E-05	2.90E-06
460	470189.4	3818957.25	1.50E-04	6.29E-04	5.67E-05	1.25E-04	4.62E-04	4.07E-05	1.41E-05	8.10E-05	9.66E-06	1.29E-05	4.24E-05	2.92E-06
461	470160.71	3818956.84	1.50E-04	6.31E-04	5.69E-05	1.25E-04	4.64E-04	4.08E-05	1.42E-05	8.13E-05	9.70E-06	1.29E-05	4.26E-05	2.93E-06
462	470151.15	3818956.71	1.49E-04	6.28E-04	5.65E-05	1.25E-04	4.61E-04	4.06E-05	1.41E-05	8.08E-05	9.64E-06	1.28E-05	4.23E-05	2.92E-06
463	470141.59	3818956.57	1.48E-04	6.22E-04	5.60E-05	1.23E-04	4.57E-04	4.02E-05	1.40E-05	8.01E-05	9.56E-06	1.27E-05	4.19E-05	2.89E-06
464	470132.03	3818956.44	1.46E-04	6.15E-04	5.54E-05	1.22E-04	4.52E-04	3.97E-05	1.38E-05	7.91E-05	9.44E-06	1.26E-05	4.14E-05	2.86E-06
465	470122.46	3818956.3	1.44E-04	6.05E-04	5.45E-05	1.20E-04	4.45E-04	3.91E-05	1.36E-05	7.79E-05	9.30E-06	1.24E-05	4.08E-05	2.81E-06
466	470112.9	3818956.17	1.42E-04	5.95E-04	5.36E-05	1.18E-04	4.37E-04	3.84E-05	1.34E-05	7.66E-05	9.14E-06	1.22E-05	4.01E-05	2.76E-06
467	470320.35	3818953.64	1.01E-04	4.22E-04	3.80E-05	8.38E-05	3.10E-04	2.73E-05	9.50E-06	5.44E-05	6.49E-06	8.63E-06	2.85E-05	1.96E-06
468	470329.12	3818957.4	9.84E-05	4.13E-04	3.72E-05	8.20E-05	3.04E-04	2.67E-05	9.29E-06	5.32E-05	6.35E-06	8.45E-06	2.79E-05	1.92E-06
469	470337.88	3818961.16	9.63E-05	4.04E-04	3.64E-05	8.02E-05	2.97E-04	2.61E-05	9.09E-06	5.20E-05	6.21E-06	8.26E-06	2.72E-05	1.88E-06

470	470346.64	3818964.93	9.40E-05	3.95E-04	3.56E-05	7.83E-05	2.90E-04	2.55E-05	8.88E-06	5.08E-05	6.07E-06	8.07E-06	2.66E-05	1.84E-06
471	470355.4	3818968.69	9.18E-05	3.85E-04	3.47E-05	7.65E-05	2.83E-04	2.49E-05	8.67E-06	4.96E-05	5.92E-06	7.88E-06	2.60E-05	1.79E-06
472	470364.16	3818972.45	8.95E-05	3.76E-04	3.39E-05	7.46E-05	2.76E-04	2.43E-05	8.45E-06	4.84E-05	5.77E-06	7.69E-06	2.53E-05	1.75E-06
473	470372.93	3818976.21	8.72E-05	3.66E-04	3.30E-05	7.27E-05	2.69E-04	2.37E-05	8.24E-06	4.72E-05	5.63E-06	7.49E-06	2.47E-05	1.70E-06
474	470381.69	3818979.97	8.50E-05	3.57E-04	3.22E-05	7.08E-05	2.62E-04	2.31E-05	8.03E-06	4.60E-05	5.48E-06	7.30E-06	2.41E-05	1.66E-06
475	470390.45	3818983.73	8.29E-05	3.48E-04	3.13E-05	6.90E-05	2.56E-04	2.25E-05	7.83E-06	4.48E-05	5.35E-06	7.11E-06	2.35E-05	1.62E-06
476	470399.21	3818987.49	8.07E-05	3.39E-04	3.05E-05	6.72E-05	2.49E-04	2.19E-05	7.62E-06	4.36E-05	5.20E-06	6.93E-06	2.28E-05	1.57E-06
477	470407.97	3818991.25	7.85E-05	3.30E-04	2.97E-05	6.54E-05	2.42E-04	2.13E-05	7.41E-06	4.24E-05	5.06E-06	6.74E-06	2.22E-05	1.53E-06
478	470416.74	3818995.01	7.64E-05	3.21E-04	2.89E-05	6.37E-05	2.36E-04	2.07E-05	7.22E-06	4.13E-05	4.93E-06	6.56E-06	2.16E-05	1.49E-06
479	470425.5	3818998.77	7.45E-05	3.13E-04	2.82E-05	6.20E-05	2.30E-04	2.02E-05	7.03E-06	4.03E-05	4.80E-06	6.39E-06	2.11E-05	1.45E-06
480	470434.26	3819002.53	7.26E-05	3.05E-04	2.75E-05	6.05E-05	2.24E-04	1.97E-05	6.86E-06	3.93E-05	4.68E-06	6.23E-06	2.06E-05	1.42E-06
481	470534.77	3819126.16	9.95E-05	4.18E-04	3.76E-05	8.29E-05	3.07E-04	2.70E-05	9.39E-06	5.38E-05	6.42E-06	8.54E-06	2.82E-05	1.94E-06
482	470538.33	3819135	1.04E-04	4.38E-04	3.94E-05	8.68E-05	3.22E-04	2.83E-05	9.84E-06	5.64E-05	6.72E-06	8.95E-06	2.95E-05	2.03E-06
483	470541.89	3819143.85	1.09E-04	4.59E-04	4.13E-05	9.10E-05	3.37E-04	2.97E-05	1.03E-05	5.91E-05	7.05E-06	9.38E-06	3.09E-05	2.13E-06
484	470545.45	3819152.69	1.14E-04	4.81E-04	4.33E-05	9.53E-05	3.53E-04	3.11E-05	1.08E-05	6.19E-05	7.38E-06	9.83E-06	3.24E-05	2.23E-06
485	470549.01	3819161.54	1.20E-04	5.03E-04	4.53E-05	9.98E-05	3.70E-04	3.25E-05	1.13E-05	6.48E-05	7.73E-06	1.03E-05	3.39E-05	2.34E-06
486	470552.57	3819170.38	1.25E-04	5.26E-04	4.74E-05	1.04E-04	3.87E-04	3.40E-05	1.18E-05	6.77E-05	8.08E-06	1.08E-05	3.55E-05	2.44E-06
487	470556.13	3819179.23	1.31E-04	5.49E-04	4.95E-05	1.09E-04	4.04E-04	3.55E-05	1.23E-05	7.07E-05	8.44E-06	1.12E-05	3.70E-05	2.55E-06
488	470559.69	3819188.07	1.36E-04	5.72E-04	5.16E-05	1.14E-04	4.21E-04	3.70E-05	1.29E-05	7.37E-05	8.79E-06	1.17E-05	3.86E-05	2.66E-06
489	470563.25	3819196.92	1.42E-04	5.96E-04	5.36E-05	1.18E-04	4.38E-04	3.85E-05	1.34E-05	7.67E-05	9.15E-06	1.22E-05	4.01E-05	2.77E-06
490	470566.81	3819205.76	1.47E-04	6.19E-04	5.57E-05	1.23E-04	4.54E-04	4.00E-05	1.39E-05	7.96E-05	9.50E-06	1.26E-05	4.17E-05	2.87E-06
491	470570.38	3819214.61	1.53E-04	6.41E-04	5.77E-05	1.27E-04	4.71E-04	4.14E-05	1.44E-05	8.25E-05	9.84E-06	1.31E-05	4.32E-05	2.98E-06
492	470573.94	3819223.45	1.58E-04	6.62E-04	5.97E-05	1.31E-04	4.87E-04	4.28E-05	1.49E-05	8.53E-05	1.02E-05	1.35E-05	4.47E-05	3.08E-06
493	470577.5	3819232.3	1.63E-04	6.83E-04	6.15E-05	1.35E-04	5.02E-04	4.42E-05	1.54E-05	8.79E-05	1.05E-05	1.40E-05	4.60E-05	3.17E-06
494	470275.74	3818938.46	1.12E-04	4.69E-04	4.22E-05	9.29E-05	3.44E-04	3.03E-05	1.05E-05	6.03E-05	7.20E-06	9.58E-06	3.16E-05	2.18E-06
495	470266.18	3818938.33	1.15E-04	4.83E-04	4.35E-05	9.59E-05	3.55E-04	3.13E-05	1.09E-05	6.22E-05	7.43E-06	9.88E-06	3.26E-05	2.25E-06
496	470256.62	3818938.19	1.19E-04	4.98E-04	4.48E-05	9.87E-05	3.66E-04	3.22E-05	1.12E-05	6.41E-05	7.64E-06	1.02E-05	3.35E-05	2.31E-06
497	470247.06	3818938.06	1.22E-04	5.11E-04	4.60E-05	1.01E-04	3.75E-04	3.30E-05	1.15E-05	6.58E-05	7.85E-06	1.04E-05	3.44E-05	2.37E-06
498	470237.49	3818937.92	1.25E-04	5.23E-04	4.71E-05	1.04E-04	3.84E-04	3.38E-05	1.18E-05	6.73E-05	8.04E-06	1.07E-05	3.53E-05	2.43E-06
499	470227.93	3818937.79	1.27E-04	5.34E-04	4.81E-05	1.06E-04	3.93E-04	3.45E-05	1.20E-05	6.88E-05	8.20E-06	1.09E-05	3.60E-05	2.48E-06
500	470218.37	3818937.65	1.29E-04	5.44E-04	4.90E-05	1.08E-04	4.00E-04	3.51E-05	1.22E-05	7.00E-05	8.35E-06	1.11E-05	3.66E-05	2.53E-06
501	470208.81	3818937.52	1.31E-04	5.52E-04	4.97E-05	1.09E-04	4.05E-04	3.57E-05	1.24E-05	7.10E-05	8.47E-06	1.13E-05	3.72E-05	2.56E-06
502	470199.24	3818937.38	1.33E-04	5.58E-04	5.03E-05	1.11E-04	4.10E-04	3.61E-05	1.25E-05	7.18E-05	8.57E-06	1.14E-05	3.76E-05	2.59E-06
503	470189.68	3818937.25	1.34E-04	5.63E-04	5.07E-05	1.12E-04	4.13E-04	3.64E-05	1.27E-05	7.24E-05	8.64E-06	1.15E-05	3.79E-05	2.61E-06
504	470161	3818936.84	1.35E-04	5.66E-04	5.09E-05	1.12E-04	4.16E-04	3.66E-05	1.27E-05	7.28E-05	8.69E-06	1.16E-05	3.81E-05	2.63E-06
505	470151.43	3818936.71	1.34E-04	5.63E-04	5.07E-05	1.12E-04	4.14E-04	3.64E-05	1.27E-05	7.25E-05	8.65E-06	1.15E-05	3.79E-05	2.62E-06
506	470141.87	3818936.57	1.33E-04	5.59E-04	5.03E-05	1.11E-04	4.10E-04	3.61E-05	1.26E-05	7.19E-05	8.58E-06	1.14E-05	3.76E-05	2.60E-06
507	470132.31	3818936.44	1.32E-04	5.53E-04	4.98E-05	1.10E-04	4.06E-04	3.57E-05	1.24E-05	7.11E-05	8.49E-06	1.13E-05	3.72E-05	2.57E-06
508	470122.75	3818936.3	1.30E-04	5.45E-04	4.91E-05	1.08E-04	4.01E-04	3.52E-05	1.23E-05	7.02E-05	8.37E-06	1.11E-05	3.68E-05	2.53E-06
509	470113.18	3818936.17	1.28E-04	5.37E-04	4.83E-05	1.06E-04	3.94E-04	3.47E-05	1.21E-05	6.91E-05	8.24E-06	1.10E-05	3.62E-05	2.49E-06
510	470319.92	3818913.22	8.41E-05	3.53E-04	3.18E-05	7.01E-05	2.60E-04	2.28E-05	7.95E-06	4.55E-05	5.43E-06	7.22E-06	2.38E-05	1.64E-06
511	470328.43	3818916.87	8.26E-05	3.47E-04	3.12E-05	6.88E-05	2.55E-04	2.24E-05	7.80E-06	4.46E-05	5.33E-06	7.09E-06	2.34E-05	1.61E-06
512	470336.94	3818920.52	8.10E-05	3.40E-04	3.06E-05	6.74E-05	2.50E-04	2.20E-05	7.65E-06	4.38E-05	5.22E-06	6.95E-06	2.29E-05	1.58E-06

513	470345.45	3818924.18	7.93E-05	3.33E-04	3.00E-05	6.60E-05	2.45E-04	2.15E-05	7.49E-06	4.29E-05	5.11E-06	6.81E-06	2.24E-05	1.55E-06
514	470353.96	3818927.83	7.76E-05	3.26E-04	2.93E-05	6.46E-05	2.39E-04	2.11E-05	7.32E-06	4.19E-05	5.00E-06	6.66E-06	2.20E-05	1.51E-06
515	470362.48	3818931.48	7.58E-05	3.18E-04	2.87E-05	6.31E-05	2.34E-04	2.06E-05	7.16E-06	4.10E-05	4.89E-06	6.51E-06	2.15E-05	1.48E-06
516	470370.99	3818935.14	7.40E-05	3.11E-04	2.80E-05	6.17E-05	2.28E-04	2.01E-05	6.99E-06	4.00E-05	4.77E-06	6.35E-06	2.10E-05	1.44E-06
517	470379.5	3818938.79	7.22E-05	3.03E-04	2.73E-05	6.02E-05	2.23E-04	1.96E-05	6.82E-06	3.91E-05	4.66E-06	6.20E-06	2.04E-05	1.41E-06
518	470388.01	3818942.44	7.06E-05	2.96E-04	2.67E-05	5.88E-05	2.18E-04	1.92E-05	6.66E-06	3.81E-05	4.55E-06	6.06E-06	2.00E-05	1.38E-06
519	470396.52	3818946.1	6.90E-05	2.90E-04	2.61E-05	5.74E-05	2.13E-04	1.87E-05	6.51E-06	3.73E-05	4.45E-06	5.92E-06	1.95E-05	1.35E-06
520	470405.03	3818949.75	6.75E-05	2.83E-04	2.55E-05	5.62E-05	2.08E-04	1.83E-05	6.37E-06	3.65E-05	4.35E-06	5.79E-06	1.91E-05	1.32E-06
521	470413.55	3818953.4	6.60E-05	2.77E-04	2.49E-05	5.49E-05	2.04E-04	1.79E-05	6.23E-06	3.57E-05	4.25E-06	5.66E-06	1.87E-05	1.29E-06
522	470422.06	3818957.06	6.44E-05	2.70E-04	2.44E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
523	470551.87	3819069.64	6.68E-05	2.80E-04	2.52E-05	5.56E-05	2.06E-04	1.81E-05	6.30E-06	3.61E-05	4.31E-06	5.73E-06	1.89E-05	1.30E-06
524	470555.33	3819078.23	6.95E-05	2.92E-04	2.63E-05	5.79E-05	2.14E-04	1.89E-05	6.56E-06	3.76E-05	4.48E-06	5.96E-06	1.97E-05	1.36E-06
525	470558.79	3819086.82	7.24E-05	3.04E-04	2.74E-05	6.03E-05	2.23E-04	1.97E-05	6.84E-06	3.91E-05	4.67E-06	6.21E-06	2.05E-05	1.41E-06
526	470562.25	3819095.41	7.55E-05	3.17E-04	2.86E-05	6.29E-05	2.33E-04	2.05E-05	7.13E-06	4.08E-05	4.87E-06	6.48E-06	2.14E-05	1.47E-06
527	470565.71	3819104.01	7.88E-05	3.31E-04	2.98E-05	6.56E-05	2.43E-04	2.14E-05	7.44E-06	4.26E-05	5.08E-06	6.76E-06	2.23E-05	1.54E-06
528	470569.17	3819112.6	8.22E-05	3.45E-04	3.11E-05	6.85E-05	2.54E-04	2.23E-05	7.76E-06	4.45E-05	5.30E-06	7.06E-06	2.33E-05	1.60E-06
529	470572.63	3819121.19	8.58E-05	3.60E-04	3.25E-05	7.15E-05	2.65E-04	2.33E-05	8.11E-06	4.64E-05	5.54E-06	7.37E-06	2.43E-05	1.67E-06
530	470576.09	3819129.78	8.96E-05	3.76E-04	3.39E-05	7.46E-05	2.76E-04	2.43E-05	8.46E-06	4.84E-05	5.78E-06	7.69E-06	2.54E-05	1.75E-06
531	470579.55	3819138.38	9.35E-05	3.93E-04	3.53E-05	7.79E-05	2.88E-04	2.54E-05	8.83E-06	5.05E-05	6.03E-06	8.02E-06	2.65E-05	1.82E-06
532	470583.01	3819146.97	9.75E-05	4.09E-04	3.69E-05	8.12E-05	3.01E-04	2.65E-05	9.20E-06	5.27E-05	6.29E-06	8.37E-06	2.76E-05	1.90E-06
533	470586.46	3819155.56	1.02E-04	4.26E-04	3.84E-05	8.46E-05	3.13E-04	2.76E-05	9.59E-06	5.49E-05	6.55E-06	8.72E-06	2.87E-05	1.98E-06
534	470589.92	3819164.15	1.06E-04	4.44E-04	4.00E-05	8.80E-05	3.26E-04	2.87E-05	9.98E-06	5.71E-05	6.82E-06	9.07E-06	2.99E-05	2.06E-06
535	470593.38	3819172.75	1.10E-04	4.61E-04	4.16E-05	9.15E-05	3.39E-04	2.98E-05	1.04E-05	5.94E-05	7.09E-06	9.43E-06	3.11E-05	2.14E-06
536	470596.84	3819181.34	1.14E-04	4.79E-04	4.31E-05	9.50E-05	3.52E-04	3.10E-05	1.08E-05	6.17E-05	7.36E-06	9.79E-06	3.23E-05	2.23E-06
537	470276.31	3818898.47	9.15E-05	3.84E-04	3.46E-05	7.62E-05	2.82E-04	2.48E-05	8.64E-06	4.95E-05	5.90E-06	7.86E-06	2.59E-05	1.79E-06
538	470266.75	3818898.33	9.42E-05	3.95E-04	3.56E-05	7.84E-05	2.91E-04	2.56E-05	8.89E-06	5.09E-05	6.07E-06	8.08E-06	2.67E-05	1.84E-06
539	470257.18	3818898.2	9.67E-05	4.06E-04	3.66E-05	8.05E-05	2.98E-04	2.62E-05	9.13E-06	5.23E-05	6.24E-06	8.30E-06	2.74E-05	1.89E-06
540	470247.62	3818898.06	9.90E-05	4.16E-04	3.75E-05	8.25E-05	3.06E-04	2.69E-05	9.35E-06	5.35E-05	6.39E-06	8.50E-06	2.80E-05	1.93E-06
541	470238.06	3818897.93	1.01E-04	4.25E-04	3.83E-05	8.43E-05	3.12E-04	2.75E-05	9.56E-06	5.47E-05	6.53E-06	8.69E-06	2.87E-05	1.98E-06
542	470228.5	3818897.79	1.03E-04	4.33E-04	3.90E-05	8.60E-05	3.18E-04	2.80E-05	9.74E-06	5.58E-05	6.66E-06	8.86E-06	2.92E-05	2.01E-06
543	470218.93	3818897.66	1.05E-04	4.41E-04	3.97E-05	8.74E-05	3.24E-04	2.85E-05	9.91E-06	5.67E-05	6.77E-06	9.01E-06	2.97E-05	2.05E-06
544	470209.37	3818897.52	1.06E-04	4.47E-04	4.02E-05	8.86E-05	3.28E-04	2.89E-05	1.00E-05	5.75E-05	6.86E-06	9.13E-06	3.01E-05	2.08E-06
545	470199.81	3818897.39	1.08E-04	4.52E-04	4.07E-05	8.96E-05	3.32E-04	2.92E-05	1.02E-05	5.82E-05	6.94E-06	9.23E-06	3.05E-05	2.10E-06
546	470190.25	3818897.25	1.08E-04	4.55E-04	4.10E-05	9.03E-05	3.35E-04	2.94E-05	1.02E-05	5.86E-05	7.00E-06	9.31E-06	3.07E-05	2.12E-06
547	470161.56	3818896.85	1.09E-04	4.59E-04	4.13E-05	9.10E-05	3.37E-04	2.97E-05	1.03E-05	5.91E-05	7.05E-06	9.38E-06	3.09E-05	2.13E-06
548	470152	3818896.71	1.09E-04	4.58E-04	4.12E-05	9.07E-05	3.36E-04	2.96E-05	1.03E-05	5.89E-05	7.03E-06	9.35E-06	3.08E-05	2.13E-06
549	470142.44	3818896.58	1.08E-04	4.55E-04	4.10E-05	9.02E-05	3.34E-04	2.94E-05	1.02E-05	5.86E-05	6.99E-06	9.30E-06	3.07E-05	2.11E-06
550	470132.87	3818896.44	1.07E-04	4.51E-04	4.06E-05	8.95E-05	3.31E-04	2.92E-05	1.01E-05	5.81E-05	6.93E-06	9.22E-06	3.04E-05	2.10E-06
551	470123.31	3818896.31	1.06E-04	4.46E-04	4.02E-05	8.85E-05	3.28E-04	2.88E-05	1.00E-05	5.74E-05	6.85E-06	9.12E-06	3.01E-05	2.07E-06
552	470113.75	3818896.17	1.05E-04	4.40E-04	3.97E-05	8.74E-05	3.24E-04	2.85E-05	9.90E-06	5.67E-05	6.76E-06	9.00E-06	2.97E-05	2.05E-06
553	470320.8	3818873.36	7.08E-05	2.97E-04	2.68E-05	5.90E-05	2.18E-04	1.92E-05	6.69E-06	3.83E-05	4.57E-06	6.08E-06	2.00E-05	1.38E-06
554	470329.4	3818877.05	6.97E-05	2.93E-04	2.63E-05	5.80E-05	2.15E-04	1.89E-05	6.58E-06	3.77E-05	4.49E-06	5.98E-06	1.97E-05	1.36E-06
555	470337.99	3818880.74	6.85E-05	2.88E-04	2.59E-05	5.70E-05	2.11E-04	1.86E-05	6.47E-06	3.70E-05	4.42E-06	5.88E-06	1.94E-05	1.34E-06

556	470346.58	3818884.42	6.72E-05	2.82E-04	2.54E-05	5.60E-05	2.08E-04	1.83E-05	6.35E-06	3.64E-05	4.34E-06	5.77E-06	1.90E-05	1.31E-06
557	470355.17	3818888.11	6.60E-05	2.77E-04	2.50E-05	5.50E-05	2.04E-04	1.79E-05	6.23E-06	3.57E-05	4.26E-06	5.67E-06	1.87E-05	1.29E-06
558	470363.77	3818891.8	6.47E-05	2.72E-04	2.45E-05	5.39E-05	2.00E-04	1.76E-05	6.11E-06	3.50E-05	4.17E-06	5.56E-06	1.83E-05	1.26E-06
559	470372.36	3818895.49	6.34E-05	2.66E-04	2.40E-05	5.28E-05	1.96E-04	1.72E-05	5.98E-06	3.43E-05	4.09E-06	5.44E-06	1.79E-05	1.24E-06
560	470380.95	3818899.18	6.20E-05	2.60E-04	2.34E-05	5.16E-05	1.91E-04	1.68E-05	5.85E-06	3.35E-05	4.00E-06	5.32E-06	1.75E-05	1.21E-06
561	470389.54	3818902.86	6.06E-05	2.54E-04	2.29E-05	5.05E-05	1.87E-04	1.64E-05	5.72E-06	3.27E-05	3.91E-06	5.20E-06	1.71E-05	1.18E-06
562	470398.14	3818906.55	5.92E-05	2.48E-04	2.24E-05	4.93E-05	1.83E-04	1.61E-05	5.59E-06	3.20E-05	3.82E-06	5.08E-06	1.67E-05	1.15E-06
563	470406.73	3818910.24	5.78E-05	2.43E-04	2.19E-05	4.81E-05	1.78E-04	1.57E-05	5.46E-06	3.12E-05	3.73E-06	4.96E-06	1.64E-05	1.13E-06
564	470415.32	3818913.93	5.65E-05	2.37E-04	2.14E-05	4.71E-05	1.74E-04	1.53E-05	5.33E-06	3.05E-05	3.64E-06	4.85E-06	1.60E-05	1.10E-06
565	470580.74	3819042.33	5.34E-05	2.24E-04	2.02E-05	4.45E-05	1.65E-04	1.45E-05	5.04E-06	2.89E-05	3.44E-06	4.58E-06	1.51E-05	1.04E-06
566	470584.23	3819051	5.54E-05	2.33E-04	2.09E-05	4.61E-05	1.71E-04	1.50E-05	5.23E-06	2.99E-05	3.57E-06	4.75E-06	1.57E-05	1.08E-06
567	470587.72	3819059.67	5.75E-05	2.42E-04	2.18E-05	4.79E-05	1.78E-04	1.56E-05	5.43E-06	3.11E-05	3.71E-06	4.94E-06	1.63E-05	1.12E-06
568	470591.21	3819068.35	5.99E-05	2.51E-04	2.26E-05	4.99E-05	1.85E-04	1.62E-05	5.65E-06	3.24E-05	3.86E-06	5.14E-06	1.69E-05	1.17E-06
569	470594.71	3819077.02	6.23E-05	2.62E-04	2.36E-05	5.19E-05	1.92E-04	1.69E-05	5.88E-06	3.37E-05	4.02E-06	5.35E-06	1.76E-05	1.22E-06
570	470598.2	3819085.7	6.48E-05	2.72E-04	2.45E-05	5.40E-05	2.00E-04	1.76E-05	6.12E-06	3.51E-05	4.18E-06	5.57E-06	1.84E-05	1.27E-06
571	470601.69	3819094.37	6.75E-05	2.84E-04	2.55E-05	5.62E-05	2.08E-04	1.83E-05	6.38E-06	3.65E-05	4.36E-06	5.80E-06	1.91E-05	1.32E-06
572	470605.18	3819103.04	7.03E-05	2.95E-04	2.66E-05	5.86E-05	2.17E-04	1.91E-05	6.64E-06	3.80E-05	4.54E-06	6.04E-06	1.99E-05	1.37E-06
573	470608.67	3819111.72	7.33E-05	3.08E-04	2.77E-05	6.10E-05	2.26E-04	1.99E-05	6.92E-06	3.96E-05	4.73E-06	6.29E-06	2.07E-05	1.43E-06
574	470612.17	3819120.39	7.63E-05	3.21E-04	2.89E-05	6.36E-05	2.36E-04	2.07E-05	7.21E-06	4.13E-05	4.92E-06	6.55E-06	2.16E-05	1.49E-06
575	470615.66	3819129.07	7.95E-05	3.34E-04	3.01E-05	6.62E-05	2.45E-04	2.16E-05	7.51E-06	4.30E-05	5.13E-06	6.82E-06	2.25E-05	1.55E-06
576	470619.15	3819137.74	8.27E-05	3.47E-04	3.13E-05	6.89E-05	2.55E-04	2.25E-05	7.81E-06	4.47E-05	5.34E-06	7.10E-06	2.34E-05	1.61E-06
577	470622.64	3819146.41	8.60E-05	3.61E-04	3.25E-05	7.16E-05	2.65E-04	2.33E-05	8.12E-06	4.65E-05	5.55E-06	7.38E-06	2.43E-05	1.68E-06
578	470626.14	3819155.09	8.93E-05	3.75E-04	3.38E-05	7.44E-05	2.76E-04	2.42E-05	8.43E-06	4.83E-05	5.76E-06	7.67E-06	2.53E-05	1.74E-06
579	470629.63	3819163.76	9.26E-05	3.89E-04	3.50E-05	7.72E-05	2.86E-04	2.51E-05	8.75E-06	5.01E-05	5.97E-06	7.95E-06	2.62E-05	1.81E-06
580	470633.12	3819172.44	9.60E-05	4.03E-04	3.63E-05	8.00E-05	2.96E-04	2.61E-05	9.06E-06	5.19E-05	6.19E-06	8.24E-06	2.72E-05	1.87E-06
581	470636.61	3819181.11	9.93E-05	4.17E-04	3.76E-05	8.27E-05	3.07E-04	2.70E-05	9.38E-06	5.37E-05	6.41E-06	8.53E-06	2.81E-05	1.94E-06
582	470640.1	3819189.78	1.03E-04	4.31E-04	3.88E-05	8.55E-05	3.17E-04	2.79E-05	9.69E-06	5.55E-05	6.62E-06	8.81E-06	2.91E-05	2.00E-06
583	470643.6	3819198.46	1.06E-04	4.45E-04	4.00E-05	8.82E-05	3.27E-04	2.87E-05	1.00E-05	5.72E-05	6.83E-06	9.09E-06	3.00E-05	2.07E-06
584	470647.09	3819207.13	1.09E-04	4.58E-04	4.12E-05	9.08E-05	3.36E-04	2.96E-05	1.03E-05	5.89E-05	7.03E-06	9.36E-06	3.09E-05	2.13E-06
585	470650.58	3819215.81	1.12E-04	4.71E-04	4.24E-05	9.34E-05	3.46E-04	3.04E-05	1.06E-05	6.06E-05	7.23E-06	9.62E-06	3.17E-05	2.19E-06
586	470654.07	3819224.48	1.15E-04	4.83E-04	4.35E-05	9.58E-05	3.55E-04	3.12E-05	1.09E-05	6.22E-05	7.42E-06	9.87E-06	3.26E-05	2.24E-06
587	470276.87	3818858.47	7.68E-05	3.22E-04	2.90E-05	6.39E-05	2.37E-04	2.08E-05	7.25E-06	4.15E-05	4.95E-06	6.59E-06	2.17E-05	1.50E-06
588	470267.31	3818858.34	7.88E-05	3.31E-04	2.98E-05	6.56E-05	2.43E-04	2.14E-05	7.44E-06	4.26E-05	5.08E-06	6.76E-06	2.23E-05	1.54E-06
589	470257.75	3818858.2	8.07E-05	3.39E-04	3.05E-05	6.72E-05	2.49E-04	2.19E-05	7.62E-06	4.36E-05	5.21E-06	6.93E-06	2.28E-05	1.57E-06
590	470248.19	3818858.07	8.25E-05	3.47E-04	3.12E-05	6.87E-05	2.55E-04	2.24E-05	7.79E-06	4.46E-05	5.32E-06	7.08E-06	2.34E-05	1.61E-06
591	470238.62	3818857.93	8.42E-05	3.54E-04	3.18E-05	7.01E-05	2.60E-04	2.29E-05	7.95E-06	4.55E-05	5.43E-06	7.23E-06	2.38E-05	1.64E-06
592	470229.06	3818857.8	8.57E-05	3.60E-04	3.24E-05	7.14E-05	2.65E-04	2.33E-05	8.10E-06	4.63E-05	5.53E-06	7.36E-06	2.43E-05	1.67E-06
593	470219.5	3818857.66	8.71E-05	3.66E-04	3.29E-05	7.25E-05	2.69E-04	2.36E-05	8.22E-06	4.71E-05	5.62E-06	7.48E-06	2.46E-05	1.70E-06
594	470209.94	3818857.53	8.82E-05	3.71E-04	3.34E-05	7.35E-05	2.72E-04	2.40E-05	8.33E-06	4.77E-05	5.69E-06	7.57E-06	2.50E-05	1.72E-06
595	470200.37	3818857.39	8.92E-05	3.75E-04	3.37E-05	7.43E-05	2.75E-04	2.42E-05	8.42E-06	4.82E-05	5.75E-06	7.66E-06	2.52E-05	1.74E-06
596	470190.81	3818857.26	8.99E-05	3.78E-04	3.40E-05	7.49E-05	2.77E-04	2.44E-05	8.49E-06	4.86E-05	5.80E-06	7.72E-06	2.55E-05	1.75E-06
597	470162.13	3818856.85	9.08E-05	3.81E-04	3.43E-05	7.56E-05	2.80E-04	2.46E-05	8.57E-06	4.91E-05	5.86E-06	7.79E-06	2.57E-05	1.77E-06
598	470152.56	3818856.72	9.06E-05	3.81E-04	3.43E-05	7.55E-05	2.80E-04	2.46E-05	8.56E-06	4.90E-05	5.84E-06	7.78E-06	2.56E-05	1.77E-06

599	470143	3818856.58	9.02E-05	3.79E-04	3.41E-05	7.52E-05	2.78E-04	2.45E-05	8.52E-06	4.88E-05	5.82E-06	7.75E-06	2.55E-05	1.76E-06
600	470133.44	3818856.45	8.96E-05	3.76E-04	3.39E-05	7.47E-05	2.77E-04	2.43E-05	8.46E-06	4.85E-05	5.78E-06	7.69E-06	2.54E-05	1.75E-06
601	470123.88	3818856.31	8.88E-05	3.73E-04	3.36E-05	7.40E-05	2.74E-04	2.41E-05	8.39E-06	4.80E-05	5.73E-06	7.63E-06	2.51E-05	1.73E-06
602	470114.31	3818856.18	8.79E-05	3.69E-04	3.32E-05	7.32E-05	2.71E-04	2.39E-05	8.30E-06	4.75E-05	5.67E-06	7.54E-06	2.49E-05	1.71E-06
603	470312.98	3818829.76	6.14E-05	2.58E-04	2.32E-05	5.11E-05	1.89E-04	1.67E-05	5.80E-06	3.32E-05	3.96E-06	5.27E-06	1.74E-05	1.20E-06
604	470321.64	3818833.48	6.05E-05	2.54E-04	2.29E-05	5.04E-05	1.87E-04	1.64E-05	5.72E-06	3.27E-05	3.90E-06	5.20E-06	1.71E-05	1.18E-06
605	470330.29	3818837.19	5.96E-05	2.50E-04	2.25E-05	4.96E-05	1.84E-04	1.62E-05	5.63E-06	3.22E-05	3.84E-06	5.12E-06	1.69E-05	1.16E-06
606	470338.95	3818840.91	5.86E-05	2.46E-04	2.22E-05	4.88E-05	1.81E-04	1.59E-05	5.54E-06	3.17E-05	3.78E-06	5.03E-06	1.66E-05	1.14E-06
607	470347.61	3818844.63	5.76E-05	2.42E-04	2.18E-05	4.80E-05	1.78E-04	1.56E-05	5.44E-06	3.11E-05	3.72E-06	4.95E-06	1.63E-05	1.12E-06
608	470356.27	3818848.34	5.67E-05	2.38E-04	2.14E-05	4.72E-05	1.75E-04	1.54E-05	5.35E-06	3.06E-05	3.65E-06	4.86E-06	1.60E-05	1.11E-06
609	470364.93	3818852.06	5.57E-05	2.34E-04	2.11E-05	4.64E-05	1.72E-04	1.51E-05	5.26E-06	3.01E-05	3.59E-06	4.78E-06	1.58E-05	1.09E-06
610	470373.59	3818855.78	5.47E-05	2.30E-04	2.07E-05	4.56E-05	1.69E-04	1.49E-05	5.17E-06	2.96E-05	3.53E-06	4.70E-06	1.55E-05	1.07E-06
611	470382.25	3818859.49	5.37E-05	2.26E-04	2.03E-05	4.47E-05	1.66E-04	1.46E-05	5.07E-06	2.90E-05	3.46E-06	4.61E-06	1.52E-05	1.05E-06
612	470390.91	3818863.21	5.26E-05	2.21E-04	1.99E-05	4.38E-05	1.62E-04	1.43E-05	4.97E-06	2.84E-05	3.39E-06	4.52E-06	1.49E-05	1.03E-06
613	470399.57	3818866.93	5.15E-05	2.16E-04	1.95E-05	4.29E-05	1.59E-04	1.40E-05	4.86E-06	2.78E-05	3.32E-06	4.42E-06	1.46E-05	1.00E-06
614	470609.56	3819014.9	4.36E-05	1.83E-04	1.65E-05	3.63E-05	1.34E-04	1.18E-05	4.11E-06	2.35E-05	2.81E-06	3.74E-06	1.23E-05	8.50E-07
615	470613.08	3819023.64	4.51E-05	1.89E-04	1.70E-05	3.75E-05	1.39E-04	1.22E-05	4.26E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.79E-07
616	470616.6	3819032.38	4.67E-05	1.96E-04	1.76E-05	3.89E-05	1.44E-04	1.27E-05	4.41E-06	2.52E-05	3.01E-06	4.01E-06	1.32E-05	9.10E-07
617	470620.12	3819041.13	4.84E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.57E-06	2.61E-05	3.12E-06	4.15E-06	1.37E-05	9.44E-07
618	470623.63	3819049.87	5.02E-05	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.74E-06	2.71E-05	3.24E-06	4.31E-06	1.42E-05	9.80E-07
619	470627.15	3819058.61	5.22E-05	2.19E-04	1.97E-05	4.34E-05	1.61E-04	1.42E-05	4.93E-06	2.82E-05	3.36E-06	4.48E-06	1.48E-05	1.02E-06
620	470630.67	3819067.35	5.42E-05	2.28E-04	2.05E-05	4.52E-05	1.67E-04	1.47E-05	5.12E-06	2.93E-05	3.50E-06	4.65E-06	1.53E-05	1.06E-06
621	470634.19	3819076.09	5.64E-05	2.37E-04	2.13E-05	4.70E-05	1.74E-04	1.53E-05	5.32E-06	3.05E-05	3.64E-06	4.84E-06	1.60E-05	1.10E-06
622	470637.71	3819084.83	5.86E-05	2.46E-04	2.22E-05	4.88E-05	1.81E-04	1.59E-05	5.53E-06	3.17E-05	3.78E-06	5.03E-06	1.66E-05	1.14E-06
623	470641.23	3819093.57	6.09E-05	2.56E-04	2.30E-05	5.07E-05	1.88E-04	1.65E-05	5.75E-06	3.29E-05	3.93E-06	5.23E-06	1.72E-05	1.19E-06
624	470644.75	3819102.31	6.33E-05	2.66E-04	2.40E-05	5.28E-05	1.95E-04	1.72E-05	5.98E-06	3.42E-05	4.08E-06	5.44E-06	1.79E-05	1.24E-06
625	470648.27	3819111.05	6.58E-05	2.76E-04	2.49E-05	5.48E-05	2.03E-04	1.79E-05	6.22E-06	3.56E-05	4.25E-06	5.65E-06	1.86E-05	1.28E-06
626	470651.79	3819119.8	6.84E-05	2.87E-04	2.59E-05	5.70E-05	2.11E-04	1.86E-05	6.46E-06	3.70E-05	4.41E-06	5.87E-06	1.94E-05	1.33E-06
627	470655.31	3819128.54	7.10E-05	2.98E-04	2.69E-05	5.92E-05	2.19E-04	1.93E-05	6.71E-06	3.84E-05	4.58E-06	6.10E-06	2.01E-05	1.39E-06
628	470658.83	3819137.28	7.37E-05	3.10E-04	2.79E-05	6.14E-05	2.27E-04	2.00E-05	6.96E-06	3.98E-05	4.75E-06	6.33E-06	2.09E-05	1.44E-06
629	470662.34	3819146.02	7.64E-05	3.21E-04	2.89E-05	6.37E-05	2.36E-04	2.07E-05	7.22E-06	4.13E-05	4.93E-06	6.56E-06	2.16E-05	1.49E-06
630	470665.86	3819154.76	7.91E-05	3.32E-04	2.99E-05	6.59E-05	2.44E-04	2.15E-05	7.47E-06	4.28E-05	5.10E-06	6.79E-06	2.24E-05	1.54E-06
631	470669.38	3819163.5	8.19E-05	3.44E-04	3.10E-05	6.82E-05	2.53E-04	2.22E-05	7.73E-06	4.43E-05	5.28E-06	7.03E-06	2.32E-05	1.60E-06
632	470672.9	3819172.24	8.46E-05	3.55E-04	3.20E-05	7.05E-05	2.61E-04	2.30E-05	7.99E-06	4.57E-05	5.46E-06	7.26E-06	2.39E-05	1.65E-06
633	470676.42	3819180.98	8.73E-05	3.67E-04	3.30E-05	7.27E-05	2.69E-04	2.37E-05	8.24E-06	4.72E-05	5.63E-06	7.49E-06	2.47E-05	1.70E-06
634	470679.94	3819189.72	9.00E-05	3.78E-04	3.40E-05	7.49E-05	2.78E-04	2.44E-05	8.49E-06	4.86E-05	5.80E-06	7.72E-06	2.55E-05	1.76E-06
635	470683.46	3819198.47	9.26E-05	3.89E-04	3.50E-05	7.71E-05	2.86E-04	2.51E-05	8.74E-06	5.00E-05	5.97E-06	7.95E-06	2.62E-05	1.81E-06
636	470686.98	3819207.21	9.50E-05	3.99E-04	3.59E-05	7.92E-05	2.93E-04	2.58E-05	8.98E-06	5.14E-05	6.13E-06	8.16E-06	2.69E-05	1.85E-06
637	470690.5	3819215.95	9.75E-05	4.09E-04	3.69E-05	8.12E-05	3.01E-04	2.65E-05	9.20E-06	5.27E-05	6.29E-06	8.37E-06	2.76E-05	1.90E-06
638	470694.02	3819224.69	9.97E-05	4.19E-04	3.77E-05	8.31E-05	3.08E-04	2.71E-05	9.42E-06	5.39E-05	6.43E-06	8.56E-06	2.82E-05	1.95E-06
639	470277.44	3818818.48	6.53E-05	2.74E-04	2.47E-05	5.44E-05	2.01E-04	1.77E-05	6.17E-06	3.53E-05	4.21E-06	5.61E-06	1.85E-05	1.27E-06
640	470267.87	3818818.34	6.69E-05	2.81E-04	2.53E-05	5.57E-05	2.06E-04	1.82E-05	6.32E-06	3.62E-05	4.31E-06	5.74E-06	1.89E-05	1.31E-06
641	470258.31	3818818.21	6.84E-05	2.87E-04	2.59E-05	5.70E-05	2.11E-04	1.86E-05	6.46E-06	3.70E-05	4.41E-06	5.87E-06	1.94E-05	1.33E-06

642	470248.75	3818818.07	6.97E-05	2.93E-04	2.64E-05	5.81E-05	2.15E-04	1.89E-05	6.59E-06	3.77E-05	4.50E-06	5.99E-06	1.97E-05	1.36E-06
643	470239.19	3818817.94	7.10E-05	2.98E-04	2.68E-05	5.91E-05	2.19E-04	1.93E-05	6.70E-06	3.84E-05	4.58E-06	6.09E-06	2.01E-05	1.39E-06
644	470229.63	3818817.8	7.21E-05	3.03E-04	2.73E-05	6.01E-05	2.23E-04	1.96E-05	6.81E-06	3.90E-05	4.65E-06	6.19E-06	2.04E-05	1.41E-06
645	470220.06	3818817.67	7.32E-05	3.07E-04	2.77E-05	6.10E-05	2.26E-04	1.99E-05	6.91E-06	3.96E-05	4.72E-06	6.28E-06	2.07E-05	1.43E-06
646	470210.5	3818817.53	7.41E-05	3.11E-04	2.80E-05	6.17E-05	2.29E-04	2.01E-05	7.00E-06	4.01E-05	4.78E-06	6.36E-06	2.10E-05	1.45E-06
647	470200.94	3818817.4	7.49E-05	3.15E-04	2.83E-05	6.24E-05	2.31E-04	2.03E-05	7.07E-06	4.05E-05	4.83E-06	6.43E-06	2.12E-05	1.46E-06
648	470191.38	3818817.26	7.56E-05	3.17E-04	2.86E-05	6.30E-05	2.33E-04	2.05E-05	7.14E-06	4.09E-05	4.88E-06	6.49E-06	2.14E-05	1.47E-06
649	470162.69	3818816.86	7.66E-05	3.22E-04	2.90E-05	6.38E-05	2.36E-04	2.08E-05	7.23E-06	4.14E-05	4.94E-06	6.57E-06	2.17E-05	1.49E-06
650	470153.13	3818816.72	7.65E-05	3.21E-04	2.89E-05	6.37E-05	2.36E-04	2.08E-05	7.22E-06	4.14E-05	4.93E-06	6.57E-06	2.17E-05	1.49E-06
651	470143.57	3818816.59	7.63E-05	3.20E-04	2.88E-05	6.35E-05	2.35E-04	2.07E-05	7.20E-06	4.12E-05	4.92E-06	6.55E-06	2.16E-05	1.49E-06
652	470134	3818816.45	7.59E-05	3.19E-04	2.87E-05	6.32E-05	2.34E-04	2.06E-05	7.16E-06	4.10E-05	4.89E-06	6.51E-06	2.15E-05	1.48E-06
653	470124.44	3818816.32	7.53E-05	3.16E-04	2.85E-05	6.27E-05	2.32E-04	2.04E-05	7.11E-06	4.07E-05	4.86E-06	6.47E-06	2.13E-05	1.47E-06
654	470114.88	3818816.18	7.46E-05	3.13E-04	2.82E-05	6.22E-05	2.30E-04	2.03E-05	7.05E-06	4.03E-05	4.81E-06	6.41E-06	2.11E-05	1.46E-06
655	470313.71	3818789.84	5.31E-05	2.23E-04	2.01E-05	4.42E-05	1.64E-04	1.44E-05	5.01E-06	2.87E-05	3.42E-06	4.56E-06	1.50E-05	1.04E-06
656	470322.42	3818793.58	5.24E-05	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.95E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
657	470331.14	3818797.32	5.16E-05	2.17E-04	1.95E-05	4.30E-05	1.59E-04	1.40E-05	4.88E-06	2.79E-05	3.33E-06	4.43E-06	1.46E-05	1.01E-06
658	470339.85	3818801.06	5.09E-05	2.14E-04	1.92E-05	4.24E-05	1.57E-04	1.38E-05	4.80E-06	2.75E-05	3.28E-06	4.37E-06	1.44E-05	9.93E-07
659	470348.57	3818804.8	5.01E-05	2.10E-04	1.89E-05	4.17E-05	1.54E-04	1.36E-05	4.73E-06	2.71E-05	3.23E-06	4.30E-06	1.42E-05	9.77E-07
660	470357.28	3818808.54	4.93E-05	2.07E-04	1.87E-05	4.11E-05	1.52E-04	1.34E-05	4.66E-06	2.67E-05	3.18E-06	4.23E-06	1.40E-05	9.62E-07
661	470366	3818812.28	4.86E-05	2.04E-04	1.84E-05	4.04E-05	1.50E-04	1.32E-05	4.59E-06	2.63E-05	3.13E-06	4.17E-06	1.37E-05	9.47E-07
662	470374.71	3818816.02	4.78E-05	2.01E-04	1.81E-05	3.98E-05	1.47E-04	1.30E-05	4.51E-06	2.58E-05	3.08E-06	4.10E-06	1.35E-05	9.32E-07
663	470383.43	3818819.76	4.70E-05	1.97E-04	1.78E-05	3.91E-05	1.45E-04	1.27E-05	4.43E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.16E-07
664	470392.14	3818823.5	4.61E-05	1.93E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.95E-06	1.30E-05	8.99E-07
665	470470.57	3818857.17	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.62E-06	2.07E-05	2.47E-06	3.29E-06	1.08E-05	7.47E-07
666	470479.29	3818860.91	3.75E-05	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.54E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.32E-07
667	470488	3818864.65	3.68E-05	1.54E-04	1.39E-05	3.06E-05	1.13E-04	9.98E-06	3.47E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.17E-07
668	470638.34	3818987.39	3.61E-05	1.52E-04	1.37E-05	3.01E-05	1.11E-04	9.80E-06	3.41E-06	1.95E-05	2.33E-06	3.10E-06	1.02E-05	7.05E-07
669	470641.88	3818996.19	3.73E-05	1.57E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.52E-06	2.01E-05	2.40E-06	3.20E-06	1.06E-05	7.27E-07
670	470645.43	3819004.99	3.85E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.08E-05	2.48E-06	3.31E-06	1.09E-05	7.51E-07
671	470648.97	3819013.78	3.98E-05	1.67E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.77E-07
672	470652.51	3819022.58	4.12E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.23E-05	2.66E-06	3.54E-06	1.17E-05	8.05E-07
673	470656.05	3819031.38	4.27E-05	1.79E-04	1.62E-05	3.56E-05	1.32E-04	1.16E-05	4.03E-06	2.31E-05	2.76E-06	3.67E-06	1.21E-05	8.34E-07
674	470659.59	3819040.18	4.43E-05	1.86E-04	1.68E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.39E-05	2.86E-06	3.80E-06	1.25E-05	8.64E-07
675	470663.13	3819048.97	4.60E-05	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.34E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.97E-07
676	470666.68	3819057.77	4.77E-05	2.00E-04	1.80E-05	3.97E-05	1.47E-04	1.29E-05	4.50E-06	2.58E-05	3.08E-06	4.09E-06	1.35E-05	9.30E-07
677	470670.22	3819066.57	4.95E-05	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.67E-05	3.19E-06	4.25E-06	1.40E-05	9.65E-07
678	470673.76	3819075.36	5.14E-05	2.16E-04	1.94E-05	4.28E-05	1.58E-04	1.39E-05	4.85E-06	2.78E-05	3.31E-06	4.41E-06	1.45E-05	1.00E-06
679	470677.3	3819084.16	5.33E-05	2.24E-04	2.02E-05	4.44E-05	1.64E-04	1.45E-05	5.03E-06	2.88E-05	3.44E-06	4.58E-06	1.51E-05	1.04E-06
680	470680.84	3819092.96	5.53E-05	2.32E-04	2.09E-05	4.61E-05	1.71E-04	1.50E-05	5.22E-06	2.99E-05	3.57E-06	4.75E-06	1.57E-05	1.08E-06
681	470684.39	3819101.76	5.74E-05	2.41E-04	2.17E-05	4.78E-05	1.77E-04	1.56E-05	5.42E-06	3.10E-05	3.70E-06	4.93E-06	1.63E-05	1.12E-06
682	470687.93	3819110.55	5.96E-05	2.50E-04	2.25E-05	4.96E-05	1.84E-04	1.62E-05	5.62E-06	3.22E-05	3.84E-06	5.11E-06	1.69E-05	1.16E-06
683	470691.47	3819119.35	6.17E-05	2.59E-04	2.33E-05	5.14E-05	1.90E-04	1.68E-05	5.83E-06	3.34E-05	3.98E-06	5.30E-06	1.75E-05	1.20E-06
684	470695.01	3819128.15	6.39E-05	2.69E-04	2.42E-05	5.33E-05	1.97E-04	1.74E-05	6.04E-06	3.46E-05	4.12E-06	5.49E-06	1.81E-05	1.25E-06

685	470698.55	3819136.95	6.62E-05	2.78E-04	2.50E-05	5.51E-05	2.04E-04	1.80E-05	6.25E-06	3.58E-05	4.27E-06	5.68E-06	1.87E-05	1.29E-06
686	470702.09	3819145.74	6.84E-05	2.87E-04	2.59E-05	5.70E-05	2.11E-04	1.86E-05	6.46E-06	3.70E-05	4.41E-06	5.87E-06	1.94E-05	1.33E-06
687	470705.64	3819154.54	7.07E-05	2.97E-04	2.67E-05	5.89E-05	2.18E-04	1.92E-05	6.67E-06	3.82E-05	4.56E-06	6.07E-06	2.00E-05	1.38E-06
688	470709.18	3819163.34	7.29E-05	3.06E-04	2.76E-05	6.07E-05	2.25E-04	1.98E-05	6.88E-06	3.94E-05	4.70E-06	6.26E-06	2.06E-05	1.42E-06
689	470712.72	3819172.14	7.51E-05	3.15E-04	2.84E-05	6.26E-05	2.32E-04	2.04E-05	7.09E-06	4.06E-05	4.85E-06	6.45E-06	2.13E-05	1.47E-06
690	470716.26	3819180.93	7.73E-05	3.25E-04	2.92E-05	6.44E-05	2.39E-04	2.10E-05	7.30E-06	4.18E-05	4.99E-06	6.64E-06	2.19E-05	1.51E-06
691	470719.8	3819189.73	7.95E-05	3.34E-04	3.01E-05	6.62E-05	2.45E-04	2.16E-05	7.51E-06	4.30E-05	5.13E-06	6.82E-06	2.25E-05	1.55E-06
692	470723.34	3819198.53	8.16E-05	3.43E-04	3.09E-05	6.80E-05	2.52E-04	2.21E-05	7.70E-06	4.41E-05	5.26E-06	7.00E-06	2.31E-05	1.59E-06
693	470726.89	3819207.32	8.36E-05	3.51E-04	3.16E-05	6.96E-05	2.58E-04	2.27E-05	7.89E-06	4.52E-05	5.39E-06	7.18E-06	2.37E-05	1.63E-06
694	470730.43	3819216.12	8.55E-05	3.59E-04	3.23E-05	7.12E-05	2.64E-04	2.32E-05	8.07E-06	4.62E-05	5.52E-06	7.34E-06	2.42E-05	1.67E-06
695	470733.97	3819224.92	8.73E-05	3.67E-04	3.30E-05	7.27E-05	2.70E-04	2.37E-05	8.25E-06	4.72E-05	5.63E-06	7.50E-06	2.47E-05	1.70E-06
696	470268.44	3818778.35	5.75E-05	2.41E-04	2.17E-05	4.79E-05	1.77E-04	1.56E-05	5.43E-06	3.11E-05	3.71E-06	4.93E-06	1.63E-05	1.12E-06
697	470258.88	3818778.21	5.87E-05	2.46E-04	2.22E-05	4.89E-05	1.81E-04	1.59E-05	5.54E-06	3.17E-05	3.78E-06	5.04E-06	1.66E-05	1.14E-06
698	470249.31	3818778.08	5.97E-05	2.51E-04	2.26E-05	4.97E-05	1.84E-04	1.62E-05	5.64E-06	3.23E-05	3.85E-06	5.13E-06	1.69E-05	1.17E-06
699	470239.75	3818777.94	6.07E-05	2.55E-04	2.29E-05	5.05E-05	1.87E-04	1.65E-05	5.73E-06	3.28E-05	3.91E-06	5.21E-06	1.72E-05	1.18E-06
700	470230.19	3818777.81	6.16E-05	2.59E-04	2.33E-05	5.13E-05	1.90E-04	1.67E-05	5.81E-06	3.33E-05	3.97E-06	5.28E-06	1.74E-05	1.20E-06
701	470220.63	3818777.67	6.24E-05	2.62E-04	2.36E-05	5.20E-05	1.93E-04	1.69E-05	5.90E-06	3.38E-05	4.03E-06	5.36E-06	1.77E-05	1.22E-06
702	470211.07	3818777.54	6.32E-05	2.65E-04	2.39E-05	5.26E-05	1.95E-04	1.72E-05	5.97E-06	3.42E-05	4.08E-06	5.43E-06	1.79E-05	1.23E-06
703	470201.5	3818777.4	6.38E-05	2.68E-04	2.41E-05	5.32E-05	1.97E-04	1.73E-05	6.03E-06	3.45E-05	4.12E-06	5.48E-06	1.81E-05	1.25E-06
704	470191.94	3818777.27	6.44E-05	2.70E-04	2.43E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
705	470163.25	3818776.86	6.52E-05	2.74E-04	2.47E-05	5.43E-05	2.01E-04	1.77E-05	6.16E-06	3.53E-05	4.21E-06	5.60E-06	1.85E-05	1.27E-06
706	470153.69	3818776.73	6.53E-05	2.74E-04	2.47E-05	5.44E-05	2.01E-04	1.77E-05	6.17E-06	3.53E-05	4.21E-06	5.60E-06	1.85E-05	1.27E-06
707	470144.13	3818776.59	6.52E-05	2.74E-04	2.47E-05	5.43E-05	2.01E-04	1.77E-05	6.16E-06	3.53E-05	4.21E-06	5.60E-06	1.85E-05	1.27E-06
708	470134.57	3818776.46	6.50E-05	2.73E-04	2.46E-05	5.41E-05	2.00E-04	1.76E-05	6.13E-06	3.51E-05	4.19E-06	5.58E-06	1.84E-05	1.27E-06
709	470125.01	3818776.32	6.45E-05	2.71E-04	2.44E-05	5.37E-05	1.99E-04	1.75E-05	6.09E-06	3.49E-05	4.16E-06	5.54E-06	1.83E-05	1.26E-06
710	470115.44	3818776.19	6.39E-05	2.68E-04	2.42E-05	5.32E-05	1.97E-04	1.73E-05	6.03E-06	3.45E-05	4.12E-06	5.49E-06	1.81E-05	1.25E-06
711	470296.89	3818742.38	4.73E-05	1.99E-04	1.79E-05	3.94E-05	1.46E-04	1.28E-05	4.47E-06	2.56E-05	3.05E-06	4.06E-06	1.34E-05	9.24E-07
712	470305.65	3818746.14	4.68E-05	1.97E-04	1.77E-05	3.90E-05	1.45E-04	1.27E-05	4.42E-06	2.53E-05	3.02E-06	4.02E-06	1.33E-05	9.14E-07
713	470314.41	3818749.9	4.63E-05	1.94E-04	1.75E-05	3.86E-05	1.43E-04	1.26E-05	4.37E-06	2.50E-05	2.99E-06	3.98E-06	1.31E-05	9.04E-07
714	470323.18	3818753.66	4.57E-05	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.32E-06	2.47E-05	2.95E-06	3.93E-06	1.29E-05	8.93E-07
715	470331.94	3818757.42	4.51E-05	1.90E-04	1.71E-05	3.76E-05	1.39E-04	1.23E-05	4.26E-06	2.44E-05	2.91E-06	3.88E-06	1.28E-05	8.81E-07
716	470340.7	3818761.18	4.45E-05	1.87E-04	1.68E-05	3.71E-05	1.37E-04	1.21E-05	4.20E-06	2.41E-05	2.87E-06	3.82E-06	1.26E-05	8.69E-07
717	470349.46	3818764.95	4.39E-05	1.84E-04	1.66E-05	3.65E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.77E-06	1.24E-05	8.56E-07
718	470358.23	3818768.71	4.33E-05	1.82E-04	1.64E-05	3.60E-05	1.34E-04	1.17E-05	4.09E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.44E-07
719	470366.99	3818772.47	4.27E-05	1.79E-04	1.61E-05	3.55E-05	1.32E-04	1.16E-05	4.03E-06	2.31E-05	2.75E-06	3.66E-06	1.21E-05	8.32E-07
720	470375.75	3818776.23	4.20E-05	1.77E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.97E-06	2.27E-05	2.71E-06	3.61E-06	1.19E-05	8.20E-07
721	470384.51	3818779.99	4.14E-05	1.74E-04	1.56E-05	3.45E-05	1.28E-04	1.12E-05	3.91E-06	2.24E-05	2.67E-06	3.55E-06	1.17E-05	8.07E-07
722	470393.27	3818783.75	4.06E-05	1.71E-04	1.54E-05	3.38E-05	1.25E-04	1.10E-05	3.84E-06	2.20E-05	2.62E-06	3.49E-06	1.15E-05	7.93E-07
723	470472.13	3818817.6	3.42E-05	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.28E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.68E-06	6.67E-07
724	470480.89	3818821.36	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.88E-06	9.48E-06	6.54E-07
725	470489.66	3818825.12	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.91E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.41E-07
726	470498.42	3818828.88	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.94E-05	8.74E-06	3.04E-06	1.74E-05	2.08E-06	2.76E-06	9.12E-06	6.28E-07
727	470603.56	3818874.01	2.62E-05	1.10E-04	9.89E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.24E-06	7.40E-06	5.10E-07

728	470612.33	3818877.77	2.58E-05	1.08E-04	9.77E-06	2.15E-05	7.97E-05	7.01E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.31E-06	5.04E-07
729	470621.09	3818881.53	2.55E-05	1.07E-04	9.66E-06	2.13E-05	7.88E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.23E-06	4.98E-07
730	470629.85	3818885.29	2.53E-05	1.06E-04	9.56E-06	2.10E-05	7.80E-05	6.86E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.15E-06	4.93E-07
731	470642.17	3818897.9	2.55E-05	1.07E-04	9.66E-06	2.13E-05	7.88E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.23E-06	4.98E-07
732	470645.73	3818906.74	2.61E-05	1.10E-04	9.86E-06	2.17E-05	8.05E-05	7.08E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.38E-06	5.09E-07
733	470649.29	3818915.59	2.67E-05	1.12E-04	1.01E-05	2.22E-05	8.23E-05	7.24E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.55E-06	5.20E-07
734	470652.86	3818924.43	2.73E-05	1.15E-04	1.03E-05	2.27E-05	8.42E-05	7.41E-06	2.58E-06	1.48E-05	1.76E-06	2.34E-06	7.73E-06	5.33E-07
735	470656.42	3818933.28	2.80E-05	1.18E-04	1.06E-05	2.33E-05	8.63E-05	7.59E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.92E-06	5.46E-07
736	470667.1	3818959.81	3.04E-05	1.27E-04	1.15E-05	2.53E-05	9.37E-05	8.24E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.59E-06	5.92E-07
737	470670.66	3818968.66	3.13E-05	1.31E-04	1.18E-05	2.60E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.68E-06	8.85E-06	6.10E-07
738	470674.22	3818977.5	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.95E-05	8.75E-06	3.04E-06	1.74E-05	2.08E-06	2.77E-06	9.12E-06	6.29E-07
739	470677.78	3818986.35	3.33E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.03E-06	3.14E-06	1.80E-05	2.15E-06	2.86E-06	9.41E-06	6.49E-07
740	470681.34	3818995.19	3.44E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.33E-06	3.24E-06	1.86E-05	2.22E-06	2.95E-06	9.72E-06	6.70E-07
741	470684.9	3819004.04	3.55E-05	1.49E-04	1.34E-05	2.96E-05	1.10E-04	9.64E-06	3.35E-06	1.92E-05	2.29E-06	3.05E-06	1.01E-05	6.93E-07
742	470688.47	3819012.88	3.67E-05	1.54E-04	1.39E-05	3.06E-05	1.13E-04	9.97E-06	3.47E-06	1.99E-05	2.37E-06	3.15E-06	1.04E-05	7.17E-07
743	470692.03	3819021.73	3.80E-05	1.60E-04	1.44E-05	3.17E-05	1.17E-04	1.03E-05	3.59E-06	2.06E-05	2.45E-06	3.26E-06	1.08E-05	7.42E-07
744	470695.59	3819030.57	3.94E-05	1.65E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.69E-07
745	470699.15	3819039.42	4.08E-05	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.21E-05	2.63E-06	3.50E-06	1.16E-05	7.96E-07
746	470702.71	3819048.26	4.23E-05	1.78E-04	1.60E-05	3.52E-05	1.31E-04	1.15E-05	3.99E-06	2.29E-05	2.73E-06	3.63E-06	1.20E-05	8.25E-07
747	470706.27	3819057.11	4.38E-05	1.84E-04	1.66E-05	3.65E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.76E-06	1.24E-05	8.55E-07
748	470709.83	3819065.95	4.54E-05	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.23E-05	4.29E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.87E-07
749	470713.39	3819074.8	4.71E-05	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.04E-06	1.33E-05	9.19E-07
750	470716.95	3819083.64	4.88E-05	2.05E-04	1.85E-05	4.07E-05	1.51E-04	1.32E-05	4.61E-06	2.64E-05	3.15E-06	4.19E-06	1.38E-05	9.52E-07
751	470720.51	3819092.49	5.06E-05	2.12E-04	1.91E-05	4.21E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.26E-06	4.34E-06	1.43E-05	9.87E-07
752	470724.08	3819101.33	5.23E-05	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.94E-06	2.83E-05	3.38E-06	4.49E-06	1.48E-05	1.02E-06
753	470727.64	3819110.18	5.42E-05	2.27E-04	2.05E-05	4.51E-05	1.67E-04	1.47E-05	5.11E-06	2.93E-05	3.49E-06	4.65E-06	1.53E-05	1.06E-06
754	470731.2	3819119.02	5.60E-05	2.35E-04	2.12E-05	4.66E-05	1.73E-04	1.52E-05	5.29E-06	3.03E-05	3.61E-06	4.81E-06	1.58E-05	1.09E-06
755	470734.76	3819127.87	5.78E-05	2.43E-04	2.19E-05	4.82E-05	1.78E-04	1.57E-05	5.46E-06	3.13E-05	3.73E-06	4.96E-06	1.64E-05	1.13E-06
756	470738.32	3819136.72	5.97E-05	2.51E-04	2.26E-05	4.97E-05	1.84E-04	1.62E-05	5.64E-06	3.23E-05	3.85E-06	5.12E-06	1.69E-05	1.16E-06
757	470741.88	3819145.56	6.16E-05	2.59E-04	2.33E-05	5.13E-05	1.90E-04	1.67E-05	5.81E-06	3.33E-05	3.97E-06	5.29E-06	1.74E-05	1.20E-06
758	470745.44	3819154.41	6.35E-05	2.66E-04	2.40E-05	5.29E-05	1.96E-04	1.72E-05	5.99E-06	3.43E-05	4.09E-06	5.45E-06	1.80E-05	1.24E-06
759	470749	3819163.25	6.53E-05	2.74E-04	2.47E-05	5.44E-05	2.02E-04	1.77E-05	6.17E-06	3.53E-05	4.21E-06	5.61E-06	1.85E-05	1.27E-06
760	470752.56	3819172.1	6.71E-05	2.82E-04	2.54E-05	5.59E-05	2.07E-04	1.82E-05	6.34E-06	3.63E-05	4.33E-06	5.76E-06	1.90E-05	1.31E-06
761	470756.12	3819180.94	6.90E-05	2.90E-04	2.61E-05	5.74E-05	2.13E-04	1.87E-05	6.51E-06	3.73E-05	4.45E-06	5.92E-06	1.95E-05	1.35E-06
762	470759.69	3819189.79	7.07E-05	2.97E-04	2.67E-05	5.89E-05	2.18E-04	1.92E-05	6.68E-06	3.82E-05	4.56E-06	6.07E-06	2.00E-05	1.38E-06
763	470763.25	3819198.63	7.24E-05	3.04E-04	2.74E-05	6.03E-05	2.23E-04	1.97E-05	6.84E-06	3.92E-05	4.67E-06	6.22E-06	2.05E-05	1.41E-06
764	470766.81	3819207.48	7.40E-05	3.11E-04	2.80E-05	6.17E-05	2.29E-04	2.01E-05	6.99E-06	4.00E-05	4.78E-06	6.36E-06	2.10E-05	1.44E-06
765	470770.37	3819216.32	7.56E-05	3.18E-04	2.86E-05	6.30E-05	2.33E-04	2.05E-05	7.14E-06	4.09E-05	4.88E-06	6.49E-06	2.14E-05	1.48E-06
766	470773.93	3819225.17	7.71E-05	3.24E-04	2.92E-05	6.42E-05	2.38E-04	2.09E-05	7.28E-06	4.17E-05	4.97E-06	6.62E-06	2.18E-05	1.50E-06
767	470288.13	3818738.62	4.78E-05	2.01E-04	1.81E-05	3.98E-05	1.47E-04	1.30E-05	4.51E-06	2.58E-05	3.08E-06	4.10E-06	1.35E-05	9.32E-07
768	470278.57	3818738.48	4.88E-05	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.60E-06	2.64E-05	3.14E-06	4.19E-06	1.38E-05	9.51E-07
769	470269	3818738.35	4.97E-05	2.09E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.69E-06	2.69E-05	3.21E-06	4.27E-06	1.41E-05	9.70E-07
770	470259.44	3818738.21	5.06E-05	2.13E-04	1.91E-05	4.22E-05	1.56E-04	1.37E-05	4.78E-06	2.74E-05	3.27E-06	4.35E-06	1.43E-05	9.88E-07

771	470249.88	3818738.08	5.16E-05	2.17E-04	1.95E-05	4.29E-05	1.59E-04	1.40E-05	4.87E-06	2.79E-05	3.33E-06	4.43E-06	1.46E-05	1.01E-06
772	470240.32	3818737.94	5.24E-05	2.20E-04	1.98E-05	4.37E-05	1.62E-04	1.42E-05	4.95E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
773	470230.75	3818737.81	5.32E-05	2.24E-04	2.01E-05	4.43E-05	1.64E-04	1.45E-05	5.03E-06	2.88E-05	3.43E-06	4.57E-06	1.51E-05	1.04E-06
774	470221.19	3818737.67	5.40E-05	2.27E-04	2.04E-05	4.49E-05	1.66E-04	1.46E-05	5.10E-06	2.92E-05	3.48E-06	4.63E-06	1.53E-05	1.05E-06
775	470211.63	3818737.54	5.46E-05	2.29E-04	2.06E-05	4.55E-05	1.68E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
776	470202.07	3818737.4	5.51E-05	2.32E-04	2.08E-05	4.59E-05	1.70E-04	1.50E-05	5.21E-06	2.98E-05	3.56E-06	4.73E-06	1.56E-05	1.08E-06
777	470192.51	3818737.27	5.56E-05	2.33E-04	2.10E-05	4.63E-05	1.72E-04	1.51E-05	5.25E-06	3.00E-05	3.58E-06	4.77E-06	1.57E-05	1.08E-06
778	470182.94	3818737.13	5.59E-05	2.35E-04	2.11E-05	4.66E-05	1.73E-04	1.52E-05	5.28E-06	3.02E-05	3.61E-06	4.80E-06	1.58E-05	1.09E-06
779	470173.38	3818737	5.62E-05	2.36E-04	2.12E-05	4.68E-05	1.73E-04	1.52E-05	5.30E-06	3.04E-05	3.62E-06	4.82E-06	1.59E-05	1.10E-06
780	470163.82	3818736.86	5.63E-05	2.36E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.32E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
781	470154.26	3818736.73	5.63E-05	2.37E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.32E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
782	470144.69	3818736.59	5.62E-05	2.36E-04	2.13E-05	4.68E-05	1.74E-04	1.53E-05	5.31E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
783	470135.13	3818736.46	5.61E-05	2.35E-04	2.12E-05	4.67E-05	1.73E-04	1.52E-05	5.29E-06	3.03E-05	3.62E-06	4.81E-06	1.59E-05	1.09E-06
784	470125.57	3818736.32	5.58E-05	2.34E-04	2.11E-05	4.65E-05	1.72E-04	1.51E-05	5.27E-06	3.02E-05	3.60E-06	4.79E-06	1.58E-05	1.09E-06
785	470116.01	3818736.19	5.54E-05	2.33E-04	2.10E-05	4.62E-05	1.71E-04	1.50E-05	5.23E-06	3.00E-05	3.58E-06	4.76E-06	1.57E-05	1.08E-06
786	470297.3	3818702.32	4.16E-05	1.75E-04	1.57E-05	3.47E-05	1.28E-04	1.13E-05	3.93E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.12E-07
787	470305.9	3818706.01	4.12E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.23E-05	2.66E-06	3.54E-06	1.17E-05	8.04E-07
788	470314.5	3818709.7	4.08E-05	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.20E-05	2.63E-06	3.50E-06	1.15E-05	7.96E-07
789	470323.1	3818713.39	4.03E-05	1.69E-04	1.53E-05	3.36E-05	1.24E-04	1.09E-05	3.81E-06	2.18E-05	2.60E-06	3.46E-06	1.14E-05	7.87E-07
790	470331.71	3818717.09	3.98E-05	1.67E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.77E-07
791	470340.31	3818720.78	3.93E-05	1.65E-04	1.49E-05	3.28E-05	1.21E-04	1.07E-05	3.71E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.68E-07
792	470348.91	3818724.47	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.67E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
793	470357.52	3818728.16	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.62E-06	2.07E-05	2.47E-06	3.29E-06	1.09E-05	7.48E-07
794	470366.12	3818731.86	3.79E-05	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.57E-06	2.05E-05	2.44E-06	3.25E-06	1.07E-05	7.39E-07
795	470469.35	3818776.16	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.60E-05	8.44E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.81E-06	6.07E-07
796	470477.95	3818779.86	3.05E-05	1.28E-04	1.15E-05	2.54E-05	9.42E-05	8.29E-06	2.88E-06	1.65E-05	1.97E-06	2.62E-06	8.64E-06	5.96E-07
797	470486.56	3818783.55	2.99E-05	1.26E-04	1.13E-05	2.49E-05	9.24E-05	8.13E-06	2.83E-06	1.62E-05	1.93E-06	2.57E-06	8.48E-06	5.84E-07
798	470495.16	3818787.24	2.94E-05	1.23E-04	1.11E-05	2.45E-05	9.06E-05	7.97E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.31E-06	5.73E-07
799	470503.76	3818790.93	2.88E-05	1.21E-04	1.09E-05	2.40E-05	8.89E-05	7.82E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.16E-06	5.62E-07
800	470512.37	3818794.63	2.83E-05	1.19E-04	1.07E-05	2.36E-05	8.73E-05	7.68E-06	2.67E-06	1.53E-05	1.83E-06	2.43E-06	8.01E-06	5.52E-07
801	470624.2	3818842.63	2.27E-05	9.54E-05	8.59E-06	1.89E-05	7.01E-05	6.17E-06	2.15E-06	1.23E-05	1.47E-06	1.95E-06	6.43E-06	4.43E-07
802	470632.8	3818846.32	2.24E-05	9.43E-05	8.49E-06	1.87E-05	6.93E-05	6.09E-06	2.12E-06	1.21E-05	1.45E-06	1.93E-06	6.35E-06	4.38E-07
803	470641.41	3818850.01	2.22E-05	9.32E-05	8.39E-06	1.85E-05	6.85E-05	6.02E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.28E-06	4.33E-07
804	470650.01	3818853.7	2.20E-05	9.22E-05	8.31E-06	1.83E-05	6.78E-05	5.96E-06	2.07E-06	1.19E-05	1.42E-06	1.89E-06	6.22E-06	4.29E-07
805	470658.61	3818857.4	2.18E-05	9.14E-05	8.23E-06	1.81E-05	6.71E-05	5.91E-06	2.05E-06	1.18E-05	1.40E-06	1.87E-06	6.16E-06	4.24E-07
806	470670.71	3818869.77	2.20E-05	9.22E-05	8.30E-06	1.83E-05	6.78E-05	5.96E-06	2.07E-06	1.19E-05	1.42E-06	1.88E-06	6.21E-06	4.28E-07
807	470674.21	3818878.46	2.24E-05	9.40E-05	8.47E-06	1.86E-05	6.91E-05	6.08E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.34E-06	4.37E-07
808	470677.7	3818887.14	2.28E-05	9.59E-05	8.64E-06	1.90E-05	7.05E-05	6.20E-06	2.16E-06	1.23E-05	1.47E-06	1.96E-06	6.47E-06	4.46E-07
809	470681.2	3818895.83	2.33E-05	9.80E-05	8.83E-06	1.94E-05	7.20E-05	6.33E-06	2.20E-06	1.26E-05	1.51E-06	2.00E-06	6.61E-06	4.55E-07
810	470684.7	3818904.51	2.39E-05	1.00E-04	9.03E-06	1.99E-05	7.37E-05	6.48E-06	2.25E-06	1.29E-05	1.54E-06	2.05E-06	6.76E-06	4.66E-07
811	470688.19	3818913.2	2.44E-05	1.03E-04	9.24E-06	2.04E-05	7.54E-05	6.64E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.92E-06	4.77E-07
812	470691.69	3818921.88	2.51E-05	1.05E-04	9.48E-06	2.09E-05	7.73E-05	6.80E-06	2.37E-06	1.35E-05	1.62E-06	2.15E-06	7.09E-06	4.89E-07
813	470695.19	3818930.56	2.57E-05	1.08E-04	9.72E-06	2.14E-05	7.93E-05	6.98E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.28E-06	5.02E-07

814	470698.68	3818939.25	2.64E-05	1.11E-04	9.99E-06	2.20E-05	8.15E-05	7.17E-06	2.49E-06	1.43E-05	1.70E-06	2.27E-06	7.48E-06	5.15E-07
815	470702.18	3818947.93	2.72E-05	1.14E-04	1.03E-05	2.26E-05	8.38E-05	7.37E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.69E-06	5.30E-07
816	470705.67	3818956.62	2.79E-05	1.17E-04	1.06E-05	2.33E-05	8.62E-05	7.59E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.91E-06	5.45E-07
817	470709.17	3818965.3	2.88E-05	1.21E-04	1.09E-05	2.40E-05	8.88E-05	7.81E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.14E-06	5.61E-07
818	470712.67	3818973.99	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.15E-05	8.05E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.39E-06	5.79E-07
819	470716.16	3818982.67	3.06E-05	1.28E-04	1.16E-05	2.55E-05	9.43E-05	8.30E-06	2.89E-06	1.65E-05	1.97E-06	2.62E-06	8.65E-06	5.97E-07
820	470719.66	3818991.35	3.16E-05	1.33E-04	1.19E-05	2.63E-05	9.74E-05	8.57E-06	2.98E-06	1.71E-05	2.04E-06	2.71E-06	8.93E-06	6.16E-07
821	470723.16	3819000.04	3.26E-05	1.37E-04	1.23E-05	2.71E-05	1.01E-04	8.84E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.22E-06	6.36E-07
822	470726.65	3819008.72	3.37E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.14E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.53E-06	6.57E-07
823	470730.15	3819017.41	3.48E-05	1.46E-04	1.32E-05	2.90E-05	1.07E-04	9.45E-06	3.29E-06	1.88E-05	2.24E-06	2.99E-06	9.85E-06	6.79E-07
824	470733.64	3819026.09	3.60E-05	1.51E-04	1.36E-05	3.00E-05	1.11E-04	9.77E-06	3.40E-06	1.94E-05	2.32E-06	3.09E-06	1.02E-05	7.02E-07
825	470737.14	3819034.78	3.72E-05	1.56E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.26E-07
826	470740.64	3819043.46	3.85E-05	1.62E-04	1.46E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.51E-07
827	470744.13	3819052.14	3.98E-05	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.76E-07
828	470747.63	3819060.83	4.12E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.03E-07
829	470751.13	3819069.51	4.25E-05	1.79E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.02E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.30E-07
830	470754.62	3819078.2	4.40E-05	1.85E-04	1.66E-05	3.66E-05	1.36E-04	1.19E-05	4.15E-06	2.38E-05	2.84E-06	3.78E-06	1.24E-05	8.58E-07
831	470758.12	3819086.88	4.54E-05	1.91E-04	1.72E-05	3.78E-05	1.40E-04	1.23E-05	4.29E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.87E-07
832	470761.61	3819095.57	4.69E-05	1.97E-04	1.77E-05	3.91E-05	1.45E-04	1.27E-05	4.43E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.16E-07
833	470765.11	3819104.25	4.84E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.57E-06	2.62E-05	3.12E-06	4.16E-06	1.37E-05	9.45E-07
834	470768.61	3819112.93	5.00E-05	2.10E-04	1.89E-05	4.16E-05	1.54E-04	1.36E-05	4.72E-06	2.70E-05	3.22E-06	4.29E-06	1.41E-05	9.75E-07
835	470772.1	3819121.62	5.15E-05	2.16E-04	1.95E-05	4.29E-05	1.59E-04	1.40E-05	4.86E-06	2.78E-05	3.32E-06	4.42E-06	1.46E-05	1.00E-06
836	470775.6	3819130.3	5.30E-05	2.23E-04	2.01E-05	4.42E-05	1.64E-04	1.44E-05	5.01E-06	2.87E-05	3.42E-06	4.55E-06	1.50E-05	1.04E-06
837	470779.1	3819138.99	5.46E-05	2.29E-04	2.06E-05	4.55E-05	1.68E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
838	470782.59	3819147.67	5.61E-05	2.36E-04	2.12E-05	4.68E-05	1.73E-04	1.52E-05	5.30E-06	3.03E-05	3.62E-06	4.82E-06	1.59E-05	1.10E-06
839	470786.09	3819156.36	5.77E-05	2.42E-04	2.18E-05	4.80E-05	1.78E-04	1.57E-05	5.45E-06	3.12E-05	3.72E-06	4.95E-06	1.63E-05	1.13E-06
840	470789.58	3819165.04	5.92E-05	2.49E-04	2.24E-05	4.93E-05	1.83E-04	1.61E-05	5.59E-06	3.20E-05	3.82E-06	5.08E-06	1.68E-05	1.15E-06
841	470793.08	3819173.73	6.07E-05	2.55E-04	2.29E-05	5.05E-05	1.87E-04	1.65E-05	5.73E-06	3.28E-05	3.91E-06	5.21E-06	1.72E-05	1.18E-06
842	470796.58	3819182.41	6.21E-05	2.61E-04	2.35E-05	5.17E-05	1.92E-04	1.69E-05	5.87E-06	3.36E-05	4.01E-06	5.33E-06	1.76E-05	1.21E-06
843	470800.07	3819191.09	6.35E-05	2.67E-04	2.40E-05	5.29E-05	1.96E-04	1.72E-05	6.00E-06	3.43E-05	4.10E-06	5.45E-06	1.80E-05	1.24E-06
844	470803.57	3819199.78	6.49E-05	2.72E-04	2.45E-05	5.40E-05	2.00E-04	1.76E-05	6.12E-06	3.51E-05	4.18E-06	5.57E-06	1.84E-05	1.27E-06
845	470807.07	3819208.46	6.62E-05	2.78E-04	2.50E-05	5.51E-05	2.04E-04	1.80E-05	6.25E-06	3.58E-05	4.27E-06	5.68E-06	1.87E-05	1.29E-06
846	470810.56	3819217.15	6.74E-05	2.83E-04	2.55E-05	5.61E-05	2.08E-04	1.83E-05	6.36E-06	3.64E-05	4.35E-06	5.78E-06	1.91E-05	1.31E-06
847	470288.69	3818698.62	4.20E-05	1.76E-04	1.59E-05	3.49E-05	1.29E-04	1.14E-05	3.96E-06	2.27E-05	2.71E-06	3.60E-06	1.19E-05	8.19E-07
848	470279.13	3818698.49	4.28E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.04E-06	2.31E-05	2.76E-06	3.68E-06	1.21E-05	8.36E-07
849	470269.57	3818698.35	4.36E-05	1.83E-04	1.65E-05	3.64E-05	1.35E-04	1.18E-05	4.12E-06	2.36E-05	2.82E-06	3.75E-06	1.24E-05	8.52E-07
850	470260.01	3818698.22	4.44E-05	1.87E-04	1.68E-05	3.70E-05	1.37E-04	1.21E-05	4.20E-06	2.40E-05	2.87E-06	3.82E-06	1.26E-05	8.67E-07
851	470250.44	3818698.08	4.52E-05	1.90E-04	1.71E-05	3.76E-05	1.39E-04	1.23E-05	4.27E-06	2.44E-05	2.91E-06	3.88E-06	1.28E-05	8.82E-07
852	470240.88	3818697.95	4.59E-05	1.93E-04	1.73E-05	3.82E-05	1.42E-04	1.25E-05	4.33E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.95E-07
853	470231.32	3818697.81	4.65E-05	1.95E-04	1.76E-05	3.87E-05	1.43E-04	1.26E-05	4.39E-06	2.51E-05	3.00E-06	3.99E-06	1.32E-05	9.07E-07
854	470221.76	3818697.68	4.71E-05	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.04E-06	1.33E-05	9.19E-07
855	470212.2	3818697.54	4.76E-05	2.00E-04	1.80E-05	3.97E-05	1.47E-04	1.29E-05	4.50E-06	2.57E-05	3.07E-06	4.09E-06	1.35E-05	9.29E-07
856	470202.63	3818697.41	4.81E-05	2.02E-04	1.82E-05	4.01E-05	1.48E-04	1.31E-05	4.54E-06	2.60E-05	3.10E-06	4.13E-06	1.36E-05	9.38E-07

857	470193.07	3818697.27	4.85E-05	2.04E-04	1.83E-05	4.04E-05	1.50E-04	1.32E-05	4.58E-06	2.62E-05	3.13E-06	4.16E-06	1.37E-05	9.46E-07
858	470183.51	3818697.14	4.88E-05	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.61E-06	2.64E-05	3.15E-06	4.19E-06	1.38E-05	9.52E-07
859	470173.95	3818697	4.90E-05	2.06E-04	1.85E-05	4.08E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.56E-07
860	470164.38	3818696.87	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.58E-07
861	470154.82	3818696.73	4.92E-05	2.06E-04	1.86E-05	4.10E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.59E-07
862	470145.26	3818696.6	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.59E-07
863	470135.7	3818696.46	4.90E-05	2.06E-04	1.85E-05	4.08E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.56E-07
864	470126.14	3818696.33	4.88E-05	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.60E-06	2.64E-05	3.15E-06	4.19E-06	1.38E-05	9.52E-07
865	470116.57	3818696.19	4.85E-05	2.04E-04	1.83E-05	4.04E-05	1.50E-04	1.32E-05	4.58E-06	2.62E-05	3.13E-06	4.16E-06	1.37E-05	9.46E-07
866	470479.56	3818740.31	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.51E-05	7.48E-06	2.60E-06	1.49E-05	1.78E-06	2.37E-06	7.80E-06	5.38E-07
867	470488.21	3818744.02	2.71E-05	1.14E-04	1.02E-05	2.25E-05	8.35E-05	7.35E-06	2.56E-06	1.46E-05	1.75E-06	2.32E-06	7.66E-06	5.28E-07
868	470496.86	3818747.73	2.66E-05	1.12E-04	1.01E-05	2.21E-05	8.20E-05	7.21E-06	2.51E-06	1.44E-05	1.71E-06	2.28E-06	7.52E-06	5.19E-07
869	470505.51	3818751.45	2.61E-05	1.10E-04	9.87E-06	2.17E-05	8.05E-05	7.08E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.38E-06	5.09E-07
870	470514.16	3818755.16	2.56E-05	1.08E-04	9.68E-06	2.13E-05	7.90E-05	6.95E-06	2.42E-06	1.38E-05	1.65E-06	2.20E-06	7.25E-06	5.00E-07
871	470522.81	3818758.87	2.51E-05	1.06E-04	9.50E-06	2.09E-05	7.76E-05	6.82E-06	2.37E-06	1.36E-05	1.62E-06	2.16E-06	7.11E-06	4.90E-07
872	470592.02	3818788.57	2.18E-05	9.17E-05	8.26E-06	1.82E-05	6.74E-05	5.93E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.18E-06	4.26E-07
873	470600.67	3818792.29	2.15E-05	9.02E-05	8.12E-06	1.79E-05	6.63E-05	5.83E-06	2.03E-06	1.16E-05	1.39E-06	1.84E-06	6.08E-06	4.19E-07
874	470609.32	3818796	2.11E-05	8.87E-05	7.99E-06	1.76E-05	6.52E-05	5.74E-06	2.00E-06	1.14E-05	1.36E-06	1.81E-06	5.98E-06	4.12E-07
875	470617.97	3818799.71	2.08E-05	8.74E-05	7.87E-06	1.73E-05	6.42E-05	5.65E-06	1.96E-06	1.12E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
876	470626.62	3818803.43	2.05E-05	8.61E-05	7.75E-06	1.71E-05	6.33E-05	5.56E-06	1.94E-06	1.11E-05	1.32E-06	1.76E-06	5.80E-06	4.00E-07
877	470635.27	3818807.14	2.02E-05	8.49E-05	7.64E-06	1.68E-05	6.24E-05	5.49E-06	1.91E-06	1.09E-05	1.30E-06	1.73E-06	5.72E-06	3.94E-07
878	470643.92	3818810.85	1.99E-05	8.37E-05	7.54E-06	1.66E-05	6.15E-05	5.41E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.64E-06	3.89E-07
879	470652.57	3818814.56	1.97E-05	8.27E-05	7.45E-06	1.64E-05	6.08E-05	5.35E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.57E-06	3.84E-07
880	470661.22	3818818.28	1.95E-05	8.18E-05	7.36E-06	1.62E-05	6.01E-05	5.28E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.51E-06	3.80E-07
881	470669.87	3818821.99	1.93E-05	8.09E-05	7.28E-06	1.60E-05	5.94E-05	5.23E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.45E-06	3.76E-07
882	470678.52	3818825.7	1.91E-05	8.01E-05	7.21E-06	1.59E-05	5.88E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
883	470687.17	3818829.41	1.89E-05	7.94E-05	7.15E-06	1.57E-05	5.83E-05	5.13E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.35E-06	3.69E-07
884	470699.33	3818841.86	1.91E-05	8.01E-05	7.21E-06	1.59E-05	5.88E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
885	470702.85	3818850.59	1.94E-05	8.16E-05	7.34E-06	1.62E-05	5.99E-05	5.27E-06	1.83E-06	1.05E-05	1.25E-06	1.67E-06	5.50E-06	3.79E-07
886	470706.37	3818859.32	1.98E-05	8.32E-05	7.49E-06	1.65E-05	6.11E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.60E-06	3.86E-07
887	470720.43	3818894.25	2.16E-05	9.07E-05	8.17E-06	1.80E-05	6.67E-05	5.86E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.11E-06	4.21E-07
888	470723.94	3818902.99	2.21E-05	9.29E-05	8.37E-06	1.84E-05	6.83E-05	6.01E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.26E-06	4.32E-07
889	470727.46	3818911.72	2.27E-05	9.53E-05	8.58E-06	1.89E-05	7.00E-05	6.16E-06	2.14E-06	1.23E-05	1.46E-06	1.95E-06	6.42E-06	4.43E-07
890	470730.97	3818920.45	2.33E-05	9.78E-05	8.81E-06	1.94E-05	7.19E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.54E-07
891	470734.49	3818929.18	2.39E-05	1.00E-04	9.05E-06	1.99E-05	7.38E-05	6.49E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.77E-06	4.67E-07
892	470738	3818937.91	2.46E-05	1.03E-04	9.30E-06	2.05E-05	7.59E-05	6.68E-06	2.32E-06	1.33E-05	1.59E-06	2.11E-06	6.96E-06	4.80E-07
893	470741.52	3818946.65	2.53E-05	1.06E-04	9.57E-06	2.11E-05	7.81E-05	6.87E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.16E-06	4.94E-07
894	470745.04	3818955.38	2.61E-05	1.09E-04	9.85E-06	2.17E-05	8.04E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.37E-06	5.08E-07
895	470748.55	3818964.11	2.68E-05	1.13E-04	1.02E-05	2.24E-05	8.28E-05	7.29E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.60E-06	5.24E-07
896	470752.07	3818972.84	2.77E-05	1.16E-04	1.05E-05	2.30E-05	8.54E-05	7.51E-06	2.61E-06	1.50E-05	1.78E-06	2.37E-06	7.83E-06	5.40E-07
897	470755.58	3818981.58	2.85E-05	1.20E-04	1.08E-05	2.38E-05	8.80E-05	7.74E-06	2.69E-06	1.54E-05	1.84E-06	2.45E-06	8.08E-06	5.57E-07
898	470759.1	3818990.31	2.94E-05	1.24E-04	1.11E-05	2.45E-05	9.08E-05	7.99E-06	2.78E-06	1.59E-05	1.90E-06	2.53E-06	8.33E-06	5.74E-07
899	470762.61	3818999.04	3.04E-05	1.28E-04	1.15E-05	2.53E-05	9.38E-05	8.25E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.60E-06	5.93E-07

900	470766.13	3819007.77	3.14E-05	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.52E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
901	470769.64	3819016.5	3.24E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.17E-06	6.32E-07
902	470773.16	3819025.24	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.08E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.47E-06	6.53E-07
903	470776.68	3819033.97	3.46E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.38E-06	3.26E-06	1.87E-05	2.23E-06	2.97E-06	9.78E-06	6.74E-07
904	470780.19	3819042.7	3.57E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.69E-06	3.37E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.96E-07
905	470783.71	3819051.43	3.68E-05	1.55E-04	1.39E-05	3.07E-05	1.14E-04	1.00E-05	3.48E-06	1.99E-05	2.38E-06	3.16E-06	1.04E-05	7.19E-07
906	470787.22	3819060.17	3.81E-05	1.60E-04	1.44E-05	3.17E-05	1.17E-04	1.03E-05	3.59E-06	2.06E-05	2.45E-06	3.27E-06	1.08E-05	7.43E-07
907	470790.74	3819068.9	3.93E-05	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.66E-07
908	470794.25	3819077.63	4.05E-05	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.61E-06	3.48E-06	1.15E-05	7.91E-07
909	470797.77	3819086.36	4.18E-05	1.76E-04	1.58E-05	3.48E-05	1.29E-04	1.13E-05	3.95E-06	2.26E-05	2.70E-06	3.59E-06	1.18E-05	8.16E-07
910	470801.28	3819095.09	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.41E-07
911	470804.8	3819103.83	4.44E-05	1.86E-04	1.68E-05	3.70E-05	1.37E-04	1.20E-05	4.19E-06	2.40E-05	2.86E-06	3.81E-06	1.26E-05	8.66E-07
912	470808.32	3819112.56	4.57E-05	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.32E-06	2.47E-05	2.95E-06	3.92E-06	1.29E-05	8.92E-07
913	470811.83	3819121.29	4.70E-05	1.97E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.44E-06	2.54E-05	3.03E-06	4.04E-06	1.33E-05	9.17E-07
914	470815.35	3819130.02	4.83E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.56E-06	2.61E-05	3.12E-06	4.15E-06	1.37E-05	9.43E-07
915	470818.86	3819138.76	4.97E-05	2.09E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.69E-06	2.68E-05	3.20E-06	4.26E-06	1.41E-05	9.69E-07
916	470822.38	3819147.49	5.10E-05	2.14E-04	1.93E-05	4.25E-05	1.57E-04	1.38E-05	4.81E-06	2.76E-05	3.29E-06	4.38E-06	1.44E-05	9.95E-07
917	470825.89	3819156.22	5.23E-05	2.20E-04	1.98E-05	4.35E-05	1.61E-04	1.42E-05	4.94E-06	2.83E-05	3.37E-06	4.49E-06	1.48E-05	1.02E-06
918	470829.41	3819164.95	5.35E-05	2.25E-04	2.02E-05	4.46E-05	1.65E-04	1.45E-05	5.06E-06	2.89E-05	3.45E-06	4.60E-06	1.52E-05	1.04E-06
919	470832.92	3819173.69	5.48E-05	2.30E-04	2.07E-05	4.56E-05	1.69E-04	1.49E-05	5.17E-06	2.96E-05	3.53E-06	4.70E-06	1.55E-05	1.07E-06
920	470836.44	3819182.42	5.60E-05	2.35E-04	2.12E-05	4.66E-05	1.73E-04	1.52E-05	5.28E-06	3.03E-05	3.61E-06	4.80E-06	1.58E-05	1.09E-06
921	470839.96	3819191.15	5.71E-05	2.40E-04	2.16E-05	4.76E-05	1.76E-04	1.55E-05	5.39E-06	3.09E-05	3.68E-06	4.90E-06	1.62E-05	1.11E-06
922	470843.47	3819199.88	5.82E-05	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
923	470846.99	3819208.61	5.93E-05	2.49E-04	2.24E-05	4.94E-05	1.83E-04	1.61E-05	5.60E-06	3.21E-05	3.83E-06	5.09E-06	1.68E-05	1.16E-06
924	470850.5	3819217.35	6.03E-05	2.53E-04	2.28E-05	5.03E-05	1.86E-04	1.64E-05	5.70E-06	3.26E-05	3.89E-06	5.18E-06	1.71E-05	1.18E-06
925	470260.57	3818658.22	3.93E-05	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.67E-07
926	470251.01	3818658.09	3.99E-05	1.68E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.77E-06	2.16E-05	2.57E-06	3.42E-06	1.13E-05	7.78E-07
927	470241.45	3818657.95	4.04E-05	1.70E-04	1.53E-05	3.37E-05	1.25E-04	1.10E-05	3.82E-06	2.19E-05	2.61E-06	3.47E-06	1.14E-05	7.89E-07
928	470231.88	3818657.82	4.10E-05	1.72E-04	1.55E-05	3.41E-05	1.26E-04	1.11E-05	3.87E-06	2.21E-05	2.64E-06	3.52E-06	1.16E-05	7.99E-07
929	470222.32	3818657.68	4.15E-05	1.74E-04	1.57E-05	3.45E-05	1.28E-04	1.13E-05	3.91E-06	2.24E-05	2.67E-06	3.56E-06	1.17E-05	8.09E-07
930	470212.76	3818657.55	4.19E-05	1.76E-04	1.59E-05	3.49E-05	1.29E-04	1.14E-05	3.96E-06	2.27E-05	2.70E-06	3.60E-06	1.19E-05	8.18E-07
931	470203.2	3818657.41	4.23E-05	1.78E-04	1.60E-05	3.52E-05	1.31E-04	1.15E-05	3.99E-06	2.29E-05	2.73E-06	3.63E-06	1.20E-05	8.25E-07
932	470193.64	3818657.28	4.26E-05	1.79E-04	1.61E-05	3.55E-05	1.31E-04	1.16E-05	4.02E-06	2.30E-05	2.75E-06	3.66E-06	1.21E-05	8.31E-07
933	470184.07	3818657.14	4.28E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.04E-06	2.31E-05	2.76E-06	3.68E-06	1.21E-05	8.36E-07
934	470174.51	3818657.01	4.30E-05	1.80E-04	1.62E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.38E-07
935	470164.95	3818656.87	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.40E-07
936	470155.39	3818656.74	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.42E-07
937	470145.82	3818656.6	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.41E-07
938	470136.26	3818656.47	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.40E-07
939	470126.7	3818656.33	4.29E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.77E-06	3.68E-06	1.21E-05	8.37E-07
940	470117.14	3818656.2	4.27E-05	1.79E-04	1.62E-05	3.56E-05	1.32E-04	1.16E-05	4.03E-06	2.31E-05	2.75E-06	3.67E-06	1.21E-05	8.33E-07
941	470489.74	3818704.44	2.46E-05	1.03E-04	9.29E-06	2.05E-05	7.58E-05	6.67E-06	2.32E-06	1.33E-05	1.59E-06	2.11E-06	6.96E-06	4.80E-07
942	470498.43	3818708.17	2.42E-05	1.01E-04	9.14E-06	2.01E-05	7.46E-05	6.56E-06	2.28E-06	1.31E-05	1.56E-06	2.07E-06	6.84E-06	4.71E-07

943	470507.12	3818711.9	2.38E-05	9.99E-05	8.99E-06	1.98E-05	7.34E-05	6.46E-06	2.25E-06	1.29E-05	1.53E-06	2.04E-06	6.73E-06	4.64E-07
944	470515.81	3818715.63	2.34E-05	9.84E-05	8.86E-06	1.95E-05	7.23E-05	6.36E-06	2.21E-06	1.27E-05	1.51E-06	2.01E-06	6.63E-06	4.57E-07
945	470524.51	3818719.36	2.30E-05	9.66E-05	8.70E-06	1.92E-05	7.10E-05	6.25E-06	2.17E-06	1.24E-05	1.48E-06	1.98E-06	6.51E-06	4.49E-07
946	470533.2	3818723.09	2.26E-05	9.49E-05	8.55E-06	1.88E-05	6.97E-05	6.14E-06	2.13E-06	1.22E-05	1.46E-06	1.94E-06	6.40E-06	4.41E-07
947	470541.89	3818726.82	2.22E-05	9.32E-05	8.40E-06	1.85E-05	6.85E-05	6.03E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.28E-06	4.33E-07
948	470550.58	3818730.55	2.18E-05	9.16E-05	8.25E-06	1.82E-05	6.73E-05	5.92E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.17E-06	4.25E-07
949	470567.97	3818738.01	2.10E-05	8.83E-05	7.95E-06	1.75E-05	6.49E-05	5.71E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.95E-06	4.10E-07
950	470576.66	3818741.74	2.07E-05	8.68E-05	7.81E-06	1.72E-05	6.38E-05	5.61E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.85E-06	4.03E-07
951	470585.35	3818745.47	2.03E-05	8.53E-05	7.68E-06	1.69E-05	6.26E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.75E-06	3.96E-07
952	470594.04	3818749.21	1.99E-05	8.38E-05	7.54E-06	1.66E-05	6.16E-05	5.42E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.65E-06	3.89E-07
953	470602.73	3818752.94	1.96E-05	8.24E-05	7.42E-06	1.63E-05	6.05E-05	5.33E-06	1.85E-06	1.06E-05	1.27E-06	1.68E-06	5.55E-06	3.83E-07
954	470611.43	3818756.67	1.93E-05	8.11E-05	7.30E-06	1.61E-05	5.96E-05	5.24E-06	1.82E-06	1.04E-05	1.24E-06	1.66E-06	5.46E-06	3.77E-07
955	470620.12	3818760.4	1.90E-05	7.97E-05	7.18E-06	1.58E-05	5.86E-05	5.15E-06	1.79E-06	1.03E-05	1.22E-06	1.63E-06	5.37E-06	3.70E-07
956	470628.81	3818764.13	1.87E-05	7.85E-05	7.07E-06	1.56E-05	5.77E-05	5.07E-06	1.76E-06	1.01E-05	1.21E-06	1.60E-06	5.29E-06	3.65E-07
957	470637.5	3818767.86	1.84E-05	7.73E-05	6.96E-06	1.53E-05	5.68E-05	5.00E-06	1.74E-06	9.95E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
958	470646.19	3818771.59	1.81E-05	7.61E-05	6.86E-06	1.51E-05	5.59E-05	4.92E-06	1.71E-06	9.80E-06	1.17E-06	1.56E-06	5.13E-06	3.54E-07
959	470654.89	3818775.32	1.79E-05	7.51E-05	6.76E-06	1.49E-05	5.52E-05	4.85E-06	1.69E-06	9.67E-06	1.15E-06	1.54E-06	5.06E-06	3.49E-07
960	470795.07	3818980.65	2.67E-05	1.12E-04	1.01E-05	2.23E-05	8.25E-05	7.26E-06	2.52E-06	1.45E-05	1.72E-06	2.29E-06	7.57E-06	5.22E-07
961	470798.6	3818989.43	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.51E-05	7.48E-06	2.60E-06	1.49E-05	1.78E-06	2.37E-06	7.80E-06	5.38E-07
962	470802.14	3818998.2	2.84E-05	1.19E-04	1.08E-05	2.37E-05	8.77E-05	7.72E-06	2.69E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
963	470805.67	3819006.98	2.93E-05	1.23E-04	1.11E-05	2.44E-05	9.05E-05	7.96E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.30E-06	5.72E-07
964	470809.2	3819015.75	3.03E-05	1.27E-04	1.14E-05	2.52E-05	9.34E-05	8.21E-06	2.86E-06	1.64E-05	1.95E-06	2.60E-06	8.56E-06	5.90E-07
965	470812.73	3819024.53	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.63E-05	8.47E-06	2.95E-06	1.69E-05	2.01E-06	2.68E-06	8.83E-06	6.09E-07
966	470816.27	3819033.3	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.93E-05	8.74E-06	3.04E-06	1.74E-05	2.08E-06	2.76E-06	9.11E-06	6.28E-07
967	470819.8	3819042.07	3.32E-05	1.39E-04	1.26E-05	2.76E-05	1.02E-04	9.01E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
968	470823.33	3819050.85	3.42E-05	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.29E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.69E-06	6.68E-07
969	470826.86	3819059.62	3.53E-05	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.58E-06	3.33E-06	1.91E-05	2.28E-06	3.03E-06	9.99E-06	6.89E-07
970	470830.4	3819068.4	3.64E-05	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.87E-06	3.43E-06	1.97E-05	2.35E-06	3.12E-06	1.03E-05	7.10E-07
971	470833.93	3819077.17	3.75E-05	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.31E-07
972	470837.46	3819085.95	3.86E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
973	470840.99	3819094.72	3.97E-05	1.67E-04	1.50E-05	3.31E-05	1.22E-04	1.08E-05	3.75E-06	2.15E-05	2.56E-06	3.41E-06	1.12E-05	7.74E-07
974	470844.53	3819103.5	4.08E-05	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.21E-05	2.63E-06	3.50E-06	1.16E-05	7.96E-07
975	470848.06	3819112.27	4.19E-05	1.76E-04	1.59E-05	3.49E-05	1.29E-04	1.14E-05	3.96E-06	2.27E-05	2.71E-06	3.60E-06	1.19E-05	8.19E-07
976	470851.59	3819121.04	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.41E-07
977	470855.12	3819129.82	4.42E-05	1.86E-04	1.67E-05	3.68E-05	1.36E-04	1.20E-05	4.18E-06	2.39E-05	2.85E-06	3.80E-06	1.25E-05	8.63E-07
978	470858.66	3819138.59	4.53E-05	1.90E-04	1.72E-05	3.78E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.93E-06	3.89E-06	1.28E-05	8.85E-07
979	470862.19	3819147.37	4.65E-05	1.95E-04	1.76E-05	3.87E-05	1.43E-04	1.26E-05	4.39E-06	2.51E-05	3.00E-06	3.99E-06	1.32E-05	9.07E-07
980	470865.72	3819156.14	4.76E-05	2.00E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.49E-06	2.57E-05	3.07E-06	4.08E-06	1.35E-05	9.28E-07
981	470869.25	3819164.92	4.86E-05	2.04E-04	1.84E-05	4.05E-05	1.50E-04	1.32E-05	4.59E-06	2.63E-05	3.14E-06	4.17E-06	1.38E-05	9.49E-07
982	470872.79	3819173.69	4.97E-05	2.09E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.69E-06	2.68E-05	3.20E-06	4.26E-06	1.41E-05	9.69E-07
983	470876.32	3819182.47	5.07E-05	2.13E-04	1.92E-05	4.22E-05	1.56E-04	1.38E-05	4.78E-06	2.74E-05	3.27E-06	4.35E-06	1.43E-05	9.88E-07
984	470879.85	3819191.24	5.16E-05	2.17E-04	1.95E-05	4.30E-05	1.59E-04	1.40E-05	4.88E-06	2.79E-05	3.33E-06	4.43E-06	1.46E-05	1.01E-06
985	470883.38	3819200.01	5.26E-05	2.21E-04	1.99E-05	4.38E-05	1.62E-04	1.43E-05	4.96E-06	2.84E-05	3.39E-06	4.51E-06	1.49E-05	1.03E-06

986	470886.92	3819208.79	5.35E-05	2.25E-04	2.02E-05	4.45E-05	1.65E-04	1.45E-05	5.05E-06	2.89E-05	3.45E-06	4.59E-06	1.51E-05	1.04E-06
987	470890.45	3819217.56	5.43E-05	2.28E-04	2.05E-05	4.52E-05	1.68E-04	1.47E-05	5.13E-06	2.94E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
988	470213.32	3818617.55	3.72E-05	1.56E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.25E-07
989	470203.76	3818617.42	3.75E-05	1.58E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.32E-07
990	470194.2	3818617.28	3.78E-05	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.57E-06	2.04E-05	2.44E-06	3.24E-06	1.07E-05	7.37E-07
991	470184.64	3818617.15	3.80E-05	1.59E-04	1.44E-05	3.16E-05	1.17E-04	1.03E-05	3.59E-06	2.05E-05	2.45E-06	3.26E-06	1.07E-05	7.41E-07
992	470175.08	3818617.01	3.81E-05	1.60E-04	1.44E-05	3.17E-05	1.18E-04	1.03E-05	3.60E-06	2.06E-05	2.46E-06	3.27E-06	1.08E-05	7.43E-07
993	470165.51	3818616.88	3.82E-05	1.60E-04	1.44E-05	3.18E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.46E-06	3.28E-06	1.08E-05	7.45E-07
994	470155.95	3818616.74	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.47E-06	3.29E-06	1.08E-05	7.47E-07
995	470146.39	3818616.61	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.47E-06	3.29E-06	1.08E-05	7.47E-07
996	470136.83	3818616.47	3.82E-05	1.61E-04	1.45E-05	3.18E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.47E-06	3.28E-06	1.08E-05	7.46E-07
997	470127.26	3818616.34	3.81E-05	1.60E-04	1.44E-05	3.18E-05	1.18E-04	1.04E-05	3.60E-06	2.06E-05	2.46E-06	3.27E-06	1.08E-05	7.44E-07
998	470117.7	3818616.2	3.80E-05	1.60E-04	1.44E-05	3.16E-05	1.17E-04	1.03E-05	3.59E-06	2.05E-05	2.45E-06	3.26E-06	1.08E-05	7.41E-07
999	470491.15	3818664.81	2.24E-05	9.41E-05	8.47E-06	1.87E-05	6.91E-05	6.08E-06	2.12E-06	1.21E-05	1.45E-06	1.92E-06	6.34E-06	4.37E-07
1000	470499.88	3818668.55	2.20E-05	9.26E-05	8.34E-06	1.84E-05	6.80E-05	5.98E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.24E-06	4.30E-07
1001	470508.61	3818672.3	2.17E-05	9.12E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.15E-06	4.24E-07
1002	470517.34	3818676.05	2.14E-05	8.98E-05	8.09E-06	1.78E-05	6.60E-05	5.81E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.06E-06	4.17E-07
1003	470526.07	3818679.79	2.11E-05	8.84E-05	7.96E-06	1.75E-05	6.50E-05	5.72E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.96E-06	4.11E-07
1004	470534.8	3818683.54	2.07E-05	8.69E-05	7.83E-06	1.72E-05	6.39E-05	5.62E-06	1.95E-06	1.12E-05	1.34E-06	1.78E-06	5.86E-06	4.04E-07
1005	470543.53	3818687.29	2.04E-05	8.55E-05	7.70E-06	1.70E-05	6.28E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.76E-06	3.97E-07
1006	470552.26	3818691.03	2.00E-05	8.40E-05	7.56E-06	1.67E-05	6.17E-05	5.43E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.66E-06	3.90E-07
1007	470560.99	3818694.78	1.97E-05	8.26E-05	7.44E-06	1.64E-05	6.07E-05	5.34E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.57E-06	3.84E-07
1008	470595.9	3818709.77	1.84E-05	7.71E-05	6.94E-06	1.53E-05	5.66E-05	4.98E-06	1.73E-06	9.92E-06	1.18E-06	1.58E-06	5.19E-06	3.58E-07
1009	470604.63	3818713.51	1.80E-05	7.58E-05	6.82E-06	1.50E-05	5.57E-05	4.90E-06	1.70E-06	9.75E-06	1.16E-06	1.55E-06	5.11E-06	3.52E-07
1010	470700.65	3818754.72	1.53E-05	6.44E-05	5.80E-06	1.28E-05	4.73E-05	4.16E-06	1.45E-06	8.29E-06	9.89E-07	1.32E-06	4.34E-06	2.99E-07
1011	470709.38	3818758.47	1.52E-05	6.37E-05	5.73E-06	1.26E-05	4.68E-05	4.12E-06	1.43E-06	8.20E-06	9.78E-07	1.30E-06	4.29E-06	2.96E-07
1012	470718.11	3818762.22	1.50E-05	6.30E-05	5.67E-06	1.25E-05	4.63E-05	4.07E-06	1.42E-06	8.11E-06	9.68E-07	1.29E-06	4.25E-06	2.93E-07
1013	470726.84	3818765.96	1.49E-05	6.24E-05	5.62E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.03E-06	9.58E-07	1.28E-06	4.20E-06	2.90E-07
1014	470735.57	3818769.71	1.47E-05	6.18E-05	5.57E-06	1.23E-05	4.54E-05	4.00E-06	1.39E-06	7.96E-06	9.49E-07	1.26E-06	4.17E-06	2.87E-07
1015	470744.3	3818773.46	1.46E-05	6.13E-05	5.52E-06	1.22E-05	4.51E-05	3.96E-06	1.38E-06	7.89E-06	9.42E-07	1.25E-06	4.13E-06	2.85E-07
1016	470756.57	3818786.02	1.47E-05	6.18E-05	5.57E-06	1.23E-05	4.54E-05	4.00E-06	1.39E-06	7.96E-06	9.49E-07	1.26E-06	4.17E-06	2.87E-07
1017	470760.12	3818794.83	1.50E-05	6.28E-05	5.66E-06	1.25E-05	4.62E-05	4.06E-06	1.41E-06	8.09E-06	9.65E-07	1.28E-06	4.23E-06	2.92E-07
1018	470763.67	3818803.64	1.52E-05	6.39E-05	5.76E-06	1.27E-05	4.70E-05	4.13E-06	1.44E-06	8.23E-06	9.82E-07	1.31E-06	4.31E-06	2.97E-07
1019	470767.22	3818812.45	1.55E-05	6.51E-05	5.86E-06	1.29E-05	4.78E-05	4.21E-06	1.46E-06	8.38E-06	9.99E-07	1.33E-06	4.39E-06	3.02E-07
1020	470770.76	3818821.26	1.58E-05	6.63E-05	5.97E-06	1.32E-05	4.87E-05	4.29E-06	1.49E-06	8.54E-06	1.02E-06	1.36E-06	4.47E-06	3.08E-07
1021	470774.31	3818830.08	1.61E-05	6.77E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.71E-06	1.04E-06	1.38E-06	4.56E-06	3.14E-07
1022	470777.86	3818838.89	1.64E-05	6.91E-05	6.22E-06	1.37E-05	5.08E-05	4.46E-06	1.55E-06	8.89E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
1023	470781.41	3818847.7	1.68E-05	7.06E-05	6.36E-06	1.40E-05	5.19E-05	4.56E-06	1.59E-06	9.09E-06	1.08E-06	1.44E-06	4.76E-06	3.28E-07
1024	470784.95	3818856.51	1.72E-05	7.22E-05	6.50E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.29E-06	1.11E-06	1.48E-06	4.87E-06	3.35E-07
1025	470788.5	3818865.32	1.76E-05	7.39E-05	6.66E-06	1.47E-05	5.43E-05	4.78E-06	1.66E-06	9.52E-06	1.14E-06	1.51E-06	4.98E-06	3.43E-07
1026	470792.05	3818874.13	1.80E-05	7.57E-05	6.82E-06	1.50E-05	5.56E-05	4.89E-06	1.70E-06	9.75E-06	1.16E-06	1.55E-06	5.10E-06	3.52E-07
1027	470795.6	3818882.95	1.85E-05	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.02E-06	1.74E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.61E-07
1028	470799.14	3818891.76	1.90E-05	7.96E-05	7.17E-06	1.58E-05	5.85E-05	5.15E-06	1.79E-06	1.02E-05	1.22E-06	1.63E-06	5.37E-06	3.70E-07

1029	470866.55	3819059.18	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.90E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.40E-07
1030	470870.09	3819067.99	3.38E-05	1.42E-04	1.28E-05	2.81E-05	1.04E-04	9.16E-06	3.19E-06	1.82E-05	2.18E-06	2.90E-06	9.56E-06	6.59E-07
1031	470873.64	3819076.8	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.42E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.77E-07
1032	470877.19	3819085.62	3.57E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.69E-06	3.37E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.96E-07
1033	470880.74	3819094.43	3.67E-05	1.54E-04	1.39E-05	3.05E-05	1.13E-04	9.95E-06	3.46E-06	1.98E-05	2.36E-06	3.15E-06	1.04E-05	7.15E-07
1034	470884.28	3819103.24	3.76E-05	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.43E-06	3.23E-06	1.06E-05	7.34E-07
1035	470887.83	3819112.05	3.86E-05	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
1036	470891.38	3819120.86	3.96E-05	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.07E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.73E-07
1037	470894.93	3819129.68	4.06E-05	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.92E-07
1038	470898.48	3819138.49	4.15E-05	1.74E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.92E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.11E-07
1039	470902.02	3819147.3	4.25E-05	1.78E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.01E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.29E-07
1040	470905.57	3819156.11	4.34E-05	1.82E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.47E-07
1041	470909.12	3819164.92	4.43E-05	1.86E-04	1.68E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.40E-05	2.86E-06	3.80E-06	1.25E-05	8.65E-07
1042	470912.67	3819173.73	4.52E-05	1.90E-04	1.71E-05	3.76E-05	1.39E-04	1.23E-05	4.27E-06	2.44E-05	2.91E-06	3.88E-06	1.28E-05	8.82E-07
1043	470916.21	3819182.55	4.60E-05	1.93E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.95E-06	1.30E-05	8.98E-07
1044	470919.76	3819191.36	4.69E-05	1.97E-04	1.77E-05	3.90E-05	1.45E-04	1.27E-05	4.43E-06	2.53E-05	3.02E-06	4.02E-06	1.33E-05	9.15E-07
1045	470923.31	3819200.17	4.77E-05	2.00E-04	1.80E-05	3.97E-05	1.47E-04	1.29E-05	4.50E-06	2.58E-05	3.07E-06	4.09E-06	1.35E-05	9.30E-07
1046	470926.86	3819208.98	4.84E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.57E-06	2.62E-05	3.12E-06	4.16E-06	1.37E-05	9.45E-07
1047	470930.4	3819217.79	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.59E-07
1048	470175.64	3818577.02	3.40E-05	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.24E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.63E-06	6.64E-07
1049	470166.08	3818576.88	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.26E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.66E-06	6.66E-07
1050	470156.52	3818576.75	3.42E-05	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.28E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.68E-06	6.67E-07
1051	470146.95	3818576.61	3.42E-05	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.29E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.68E-06	6.67E-07
1052	470137.39	3818576.48	3.48E-05	1.46E-04	1.32E-05	2.90E-05	1.07E-04	9.45E-06	3.29E-06	1.88E-05	2.25E-06	2.99E-06	9.86E-06	6.80E-07
1053	470127.83	3818576.34	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.42E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.77E-07
1054	470118.27	3818576.21	3.45E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.38E-06	3.26E-06	1.87E-05	2.23E-06	2.97E-06	9.78E-06	6.74E-07
1055	470501.24	3818628.9	2.02E-05	8.47E-05	7.63E-06	1.68E-05	6.23E-05	5.48E-06	1.91E-06	1.09E-05	1.30E-06	1.73E-06	5.71E-06	3.94E-07
1056	470510	3818632.66	1.99E-05	8.35E-05	7.52E-06	1.66E-05	6.13E-05	5.39E-06	1.88E-06	1.07E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
1057	470518.77	3818636.42	1.96E-05	8.22E-05	7.40E-06	1.63E-05	6.04E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.54E-06	3.82E-07
1058	470527.53	3818640.18	1.93E-05	8.09E-05	7.28E-06	1.60E-05	5.94E-05	5.23E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.45E-06	3.76E-07
1059	470536.29	3818643.94	1.90E-05	7.97E-05	7.17E-06	1.58E-05	5.85E-05	5.15E-06	1.79E-06	1.03E-05	1.22E-06	1.63E-06	5.37E-06	3.70E-07
1060	470545.05	3818647.7	1.87E-05	7.85E-05	7.07E-06	1.56E-05	5.77E-05	5.08E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.29E-06	3.65E-07
1061	470553.81	3818651.46	1.84E-05	7.73E-05	6.96E-06	1.53E-05	5.68E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
1062	470562.58	3818655.22	1.81E-05	7.61E-05	6.85E-06	1.51E-05	5.59E-05	4.92E-06	1.71E-06	9.79E-06	1.17E-06	1.56E-06	5.13E-06	3.54E-07
1063	470571.34	3818658.98	1.78E-05	7.48E-05	6.74E-06	1.48E-05	5.50E-05	4.84E-06	1.68E-06	9.63E-06	1.15E-06	1.53E-06	5.04E-06	3.48E-07
1064	470580.1	3818662.75	1.75E-05	7.36E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.65E-06	9.47E-06	1.13E-06	1.50E-06	4.96E-06	3.42E-07
1065	470667.72	3818700.35	1.49E-05	6.26E-05	5.64E-06	1.24E-05	4.60E-05	4.05E-06	1.41E-06	8.06E-06	9.61E-07	1.28E-06	4.22E-06	2.91E-07
1066	470676.48	3818704.11	1.47E-05	6.17E-05	5.55E-06	1.22E-05	4.53E-05	3.99E-06	1.39E-06	7.94E-06	9.47E-07	1.26E-06	4.16E-06	2.86E-07
1067	470685.25	3818707.87	1.45E-05	6.08E-05	5.47E-06	1.21E-05	4.47E-05	3.93E-06	1.37E-06	7.82E-06	9.33E-07	1.24E-06	4.10E-06	2.82E-07
1068	470694.01	3818711.64	1.43E-05	5.99E-05	5.40E-06	1.19E-05	4.40E-05	3.87E-06	1.35E-06	7.72E-06	9.21E-07	1.23E-06	4.04E-06	2.79E-07
1069	470702.77	3818715.4	1.41E-05	5.91E-05	5.33E-06	1.17E-05	4.35E-05	3.82E-06	1.33E-06	7.61E-06	9.08E-07	1.21E-06	3.99E-06	2.75E-07
1070	470711.53	3818719.16	1.39E-05	5.84E-05	5.26E-06	1.16E-05	4.29E-05	3.77E-06	1.31E-06	7.52E-06	8.97E-07	1.19E-06	3.94E-06	2.71E-07
1071	470720.29	3818722.92	1.37E-05	5.77E-05	5.19E-06	1.14E-05	4.24E-05	3.73E-06	1.30E-06	7.42E-06	8.86E-07	1.18E-06	3.89E-06	2.68E-07

1072	470729.06	3818726.68	1.36E-05	5.70E-05	5.14E-06	1.13E-05	4.19E-05	3.69E-06	1.28E-06	7.34E-06	8.76E-07	1.17E-06	3.84E-06	2.65E-07
1073	470737.82	3818730.44	1.34E-05	5.64E-05	5.08E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.26E-06	8.67E-07	1.15E-06	3.80E-06	2.62E-07
1074	470746.58	3818734.2	1.33E-05	5.59E-05	5.03E-06	1.11E-05	4.10E-05	3.61E-06	1.26E-06	7.19E-06	8.58E-07	1.14E-06	3.77E-06	2.60E-07
1075	470755.34	3818737.96	1.32E-05	5.54E-05	4.98E-06	1.10E-05	4.07E-05	3.58E-06	1.24E-06	7.13E-06	8.50E-07	1.13E-06	3.73E-06	2.57E-07
1076	470764.1	3818741.72	1.31E-05	5.49E-05	4.94E-06	1.09E-05	4.03E-05	3.55E-06	1.23E-06	7.07E-06	8.43E-07	1.12E-06	3.70E-06	2.55E-07
1077	470772.87	3818745.48	1.30E-05	5.44E-05	4.90E-06	1.08E-05	4.00E-05	3.52E-06	1.22E-06	7.01E-06	8.36E-07	1.11E-06	3.67E-06	2.53E-07
1078	470785.19	3818758.09	1.31E-05	5.49E-05	4.94E-06	1.09E-05	4.03E-05	3.55E-06	1.23E-06	7.06E-06	8.43E-07	1.12E-06	3.70E-06	2.55E-07
1079	470788.75	3818766.93	1.33E-05	5.57E-05	5.02E-06	1.11E-05	4.09E-05	3.60E-06	1.25E-06	7.17E-06	8.56E-07	1.14E-06	3.76E-06	2.59E-07
1080	470792.31	3818775.78	1.35E-05	5.66E-05	5.10E-06	1.12E-05	4.16E-05	3.66E-06	1.27E-06	7.29E-06	8.70E-07	1.16E-06	3.82E-06	2.63E-07
1081	470795.87	3818784.62	1.37E-05	5.76E-05	5.19E-06	1.14E-05	4.23E-05	3.72E-06	1.30E-06	7.42E-06	8.85E-07	1.18E-06	3.88E-06	2.68E-07
1082	470799.43	3818793.47	1.40E-05	5.87E-05	5.28E-06	1.16E-05	4.31E-05	3.79E-06	1.32E-06	7.55E-06	9.01E-07	1.20E-06	3.95E-06	2.73E-07
1083	470802.99	3818802.31	1.42E-05	5.98E-05	5.38E-06	1.19E-05	4.39E-05	3.86E-06	1.34E-06	7.70E-06	9.18E-07	1.22E-06	4.03E-06	2.78E-07
1084	470806.56	3818811.16	1.45E-05	6.10E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.85E-06	9.36E-07	1.25E-06	4.11E-06	2.83E-07
1085	470810.12	3818820	1.48E-05	6.22E-05	5.60E-06	1.23E-05	4.57E-05	4.02E-06	1.40E-06	8.01E-06	9.56E-07	1.27E-06	4.19E-06	2.89E-07
1086	470813.68	3818828.85	1.51E-05	6.36E-05	5.72E-06	1.26E-05	4.67E-05	4.11E-06	1.43E-06	8.18E-06	9.76E-07	1.30E-06	4.28E-06	2.95E-07
1087	470817.24	3818837.69	1.55E-05	6.50E-05	5.85E-06	1.29E-05	4.77E-05	4.20E-06	1.46E-06	8.36E-06	9.98E-07	1.33E-06	4.38E-06	3.02E-07
1088	470820.8	3818846.54	1.58E-05	6.65E-05	5.99E-06	1.32E-05	4.88E-05	4.30E-06	1.49E-06	8.56E-06	1.02E-06	1.36E-06	4.48E-06	3.09E-07
1089	470824.36	3818855.38	1.62E-05	6.80E-05	6.13E-06	1.35E-05	5.00E-05	4.40E-06	1.53E-06	8.76E-06	1.05E-06	1.39E-06	4.59E-06	3.16E-07
1090	470827.92	3818864.23	1.66E-05	6.97E-05	6.28E-06	1.38E-05	5.12E-05	4.51E-06	1.57E-06	8.97E-06	1.07E-06	1.42E-06	4.70E-06	3.24E-07
1091	470831.48	3818873.08	1.70E-05	7.15E-05	6.43E-06	1.42E-05	5.25E-05	4.62E-06	1.61E-06	9.20E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
1092	470835.04	3818881.92	1.75E-05	7.33E-05	6.60E-06	1.45E-05	5.39E-05	4.74E-06	1.65E-06	9.43E-06	1.13E-06	1.50E-06	4.94E-06	3.41E-07
1093	470838.6	3818890.77	1.79E-05	7.52E-05	6.78E-06	1.49E-05	5.53E-05	4.86E-06	1.69E-06	9.68E-06	1.16E-06	1.54E-06	5.07E-06	3.50E-07
1094	470842.17	3818899.61	1.84E-05	7.72E-05	6.96E-06	1.53E-05	5.68E-05	4.99E-06	1.74E-06	9.94E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
1095	470845.73	3818908.46	1.89E-05	7.93E-05	7.14E-06	1.57E-05	5.83E-05	5.13E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.35E-06	3.69E-07
1096	470849.29	3818917.3	1.94E-05	8.15E-05	7.34E-06	1.62E-05	5.99E-05	5.27E-06	1.83E-06	1.05E-05	1.25E-06	1.67E-06	5.49E-06	3.79E-07
1097	470852.85	3818926.15	2.00E-05	8.38E-05	7.55E-06	1.66E-05	6.16E-05	5.42E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.65E-06	3.89E-07
1098	470856.41	3818934.99	2.05E-05	8.62E-05	7.76E-06	1.71E-05	6.33E-05	5.57E-06	1.94E-06	1.11E-05	1.32E-06	1.76E-06	5.81E-06	4.00E-07
1099	470859.97	3818943.84	2.11E-05	8.86E-05	7.98E-06	1.76E-05	6.51E-05	5.73E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.97E-06	4.12E-07
1100	470863.53	3818952.68	2.17E-05	9.12E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.15E-06	4.24E-07
1101	470867.09	3818961.53	2.23E-05	9.38E-05	8.45E-06	1.86E-05	6.89E-05	6.06E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.32E-06	4.36E-07
1102	470870.65	3818970.37	2.30E-05	9.66E-05	8.70E-06	1.92E-05	7.10E-05	6.24E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.51E-06	4.49E-07
1103	470874.21	3818979.22	2.37E-05	9.94E-05	8.95E-06	1.97E-05	7.30E-05	6.42E-06	2.24E-06	1.28E-05	1.53E-06	2.03E-06	6.70E-06	4.62E-07
1104	470877.78	3818988.06	2.44E-05	1.02E-04	9.21E-06	2.03E-05	7.52E-05	6.61E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.90E-06	4.75E-07
1105	470881.34	3818996.91	2.51E-05	1.05E-04	9.48E-06	2.09E-05	7.74E-05	6.81E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.89E-07
1106	470945.43	3819156.12	3.98E-05	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.41E-06	1.13E-05	7.76E-07
1107	470949	3819164.97	4.05E-05	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.91E-07
1108	470952.56	3819173.81	4.13E-05	1.73E-04	1.56E-05	3.44E-05	1.27E-04	1.12E-05	3.90E-06	2.23E-05	2.66E-06	3.55E-06	1.17E-05	8.06E-07
1109	470956.12	3819182.66	4.20E-05	1.77E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.97E-06	2.27E-05	2.71E-06	3.61E-06	1.19E-05	8.20E-07
1110	470959.68	3819191.5	4.27E-05	1.79E-04	1.62E-05	3.56E-05	1.32E-04	1.16E-05	4.04E-06	2.31E-05	2.76E-06	3.67E-06	1.21E-05	8.34E-07
1111	470963.24	3819200.35	4.34E-05	1.82E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.47E-07
1112	470966.8	3819209.19	4.40E-05	1.85E-04	1.67E-05	3.67E-05	1.36E-04	1.20E-05	4.16E-06	2.38E-05	2.84E-06	3.78E-06	1.25E-05	8.59E-07
1113	470970.36	3819218.04	4.47E-05	1.88E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.22E-06	2.41E-05	2.88E-06	3.83E-06	1.26E-05	8.71E-07
1114	470157.08	3818536.75	3.07E-05	1.29E-04	1.16E-05	2.56E-05	9.48E-05	8.34E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.70E-06	6.00E-07

1115	470147.52	3818536.61	3.08E-05	1.29E-04	1.16E-05	2.56E-05	9.49E-05	8.35E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.71E-06	6.00E-07
1116	470137.96	3818536.48	3.14E-05	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.51E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
1117	470128.39	3818536.34	3.13E-05	1.31E-04	1.18E-05	2.61E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.69E-06	8.85E-06	6.10E-07
1118	470118.83	3818536.21	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.61E-05	8.46E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.82E-06	6.08E-07
1119	470543.76	3818566.67	1.61E-05	6.75E-05	6.08E-06	1.34E-05	4.96E-05	4.36E-06	1.52E-06	8.69E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
1120	470552.44	3818570.4	1.58E-05	6.65E-05	5.99E-06	1.32E-05	4.89E-05	4.30E-06	1.50E-06	8.57E-06	1.02E-06	1.36E-06	4.49E-06	3.09E-07
1121	470561.12	3818574.12	1.56E-05	6.56E-05	5.91E-06	1.30E-05	4.82E-05	4.24E-06	1.48E-06	8.44E-06	1.01E-06	1.34E-06	4.42E-06	3.05E-07
1122	470569.8	3818577.85	1.54E-05	6.47E-05	5.82E-06	1.28E-05	4.75E-05	4.18E-06	1.45E-06	8.32E-06	9.93E-07	1.32E-06	4.36E-06	3.00E-07
1123	470578.48	3818581.57	1.52E-05	6.37E-05	5.74E-06	1.26E-05	4.68E-05	4.12E-06	1.43E-06	8.20E-06	9.79E-07	1.30E-06	4.29E-06	2.96E-07
1124	470587.15	3818585.3	1.50E-05	6.28E-05	5.65E-06	1.25E-05	4.61E-05	4.06E-06	1.41E-06	8.08E-06	9.64E-07	1.28E-06	4.23E-06	2.92E-07
1125	470595.83	3818589.02	1.47E-05	6.19E-05	5.57E-06	1.23E-05	4.55E-05	4.00E-06	1.39E-06	7.96E-06	9.50E-07	1.26E-06	4.17E-06	2.87E-07
1126	470604.51	3818592.75	1.45E-05	6.09E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.84E-06	9.36E-07	1.25E-06	4.11E-06	2.83E-07
1127	470613.19	3818596.47	1.43E-05	6.00E-05	5.41E-06	1.19E-05	4.41E-05	3.88E-06	1.35E-06	7.73E-06	9.22E-07	1.23E-06	4.05E-06	2.79E-07
1128	470621.87	3818600.2	1.41E-05	5.91E-05	5.32E-06	1.17E-05	4.34E-05	3.82E-06	1.33E-06	7.61E-06	9.08E-07	1.21E-06	3.98E-06	2.75E-07
1129	470673.94	3818622.55	1.28E-05	5.40E-05	4.86E-06	1.07E-05	3.97E-05	3.49E-06	1.21E-06	6.95E-06	8.29E-07	1.10E-06	3.64E-06	2.51E-07
1130	470682.62	3818626.27	1.27E-05	5.32E-05	4.79E-06	1.05E-05	3.91E-05	3.44E-06	1.20E-06	6.84E-06	8.16E-07	1.09E-06	3.58E-06	2.47E-07
1131	470691.3	3818630	1.25E-05	5.24E-05	4.72E-06	1.04E-05	3.85E-05	3.38E-06	1.18E-06	6.74E-06	8.04E-07	1.07E-06	3.53E-06	2.43E-07
1132	470699.98	3818633.72	1.23E-05	5.16E-05	4.65E-06	1.02E-05	3.79E-05	3.34E-06	1.16E-06	6.64E-06	7.92E-07	1.05E-06	3.48E-06	2.40E-07
1133	470708.66	3818637.45	1.21E-05	5.09E-05	4.58E-06	1.01E-05	3.74E-05	3.29E-06	1.14E-06	6.55E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
1134	470717.33	3818641.17	1.19E-05	5.02E-05	4.52E-06	9.95E-06	3.69E-05	3.24E-06	1.13E-06	6.46E-06	7.70E-07	1.03E-06	3.38E-06	2.33E-07
1135	470726.01	3818644.9	1.18E-05	4.95E-05	4.46E-06	9.81E-06	3.64E-05	3.20E-06	1.11E-06	6.37E-06	7.60E-07	1.01E-06	3.33E-06	2.30E-07
1136	470734.69	3818648.62	1.16E-05	4.88E-05	4.40E-06	9.68E-06	3.59E-05	3.16E-06	1.10E-06	6.29E-06	7.50E-07	9.98E-07	3.29E-06	2.27E-07
1137	470743.37	3818652.35	1.15E-05	4.82E-05	4.34E-06	9.56E-06	3.54E-05	3.12E-06	1.08E-06	6.21E-06	7.41E-07	9.86E-07	3.25E-06	2.24E-07
1138	470752.05	3818656.07	1.13E-05	4.76E-05	4.29E-06	9.44E-06	3.50E-05	3.08E-06	1.07E-06	6.13E-06	7.31E-07	9.73E-07	3.21E-06	2.21E-07
1139	470760.73	3818659.8	1.12E-05	4.71E-05	4.24E-06	9.33E-06	3.46E-05	3.04E-06	1.06E-06	6.06E-06	7.23E-07	9.62E-07	3.17E-06	2.19E-07
1140	470769.41	3818663.52	1.11E-05	4.65E-05	4.19E-06	9.23E-06	3.42E-05	3.01E-06	1.05E-06	5.99E-06	7.15E-07	9.51E-07	3.14E-06	2.16E-07
1141	470778.08	3818667.25	1.10E-05	4.60E-05	4.14E-06	9.13E-06	3.38E-05	2.97E-06	1.03E-06	5.92E-06	7.07E-07	9.41E-07	3.10E-06	2.14E-07
1142	470786.76	3818670.97	1.08E-05	4.56E-05	4.10E-06	9.04E-06	3.35E-05	2.94E-06	1.02E-06	5.86E-06	7.00E-07	9.31E-07	3.07E-06	2.12E-07
1143	470795.44	3818674.69	1.07E-05	4.51E-05	4.06E-06	8.95E-06	3.32E-05	2.92E-06	1.01E-06	5.81E-06	6.93E-07	9.23E-07	3.04E-06	2.10E-07
1144	470804.12	3818678.42	1.07E-05	4.47E-05	4.03E-06	8.87E-06	3.29E-05	2.89E-06	1.01E-06	5.76E-06	6.87E-07	9.14E-07	3.01E-06	2.08E-07
1145	470812.8	3818682.14	1.06E-05	4.44E-05	4.00E-06	8.80E-06	3.26E-05	2.87E-06	9.98E-07	5.71E-06	6.81E-07	9.07E-07	2.99E-06	2.06E-07
1146	470821.48	3818685.87	1.05E-05	4.40E-05	3.96E-06	8.73E-06	3.23E-05	2.85E-06	9.90E-07	5.67E-06	6.76E-07	9.00E-07	2.97E-06	2.05E-07
1147	470830.16	3818689.59	1.04E-05	4.37E-05	3.94E-06	8.67E-06	3.21E-05	2.83E-06	9.83E-07	5.63E-06	6.71E-07	8.94E-07	2.95E-06	2.03E-07
1148	470842.36	3818702.08	1.05E-05	4.40E-05	3.96E-06	8.73E-06	3.23E-05	2.85E-06	9.90E-07	5.67E-06	6.76E-07	9.00E-07	2.97E-06	2.05E-07
1149	470845.89	3818710.84	1.06E-05	4.46E-05	4.02E-06	8.85E-06	3.28E-05	2.88E-06	1.00E-06	5.74E-06	6.85E-07	9.12E-07	3.01E-06	2.07E-07
1150	470849.42	3818719.6	1.08E-05	4.53E-05	4.08E-06	8.98E-06	3.33E-05	2.93E-06	1.02E-06	5.83E-06	6.96E-07	9.26E-07	3.05E-06	2.10E-07
1151	470852.94	3818728.36	1.09E-05	4.60E-05	4.14E-06	9.12E-06	3.38E-05	2.97E-06	1.03E-06	5.92E-06	7.06E-07	9.40E-07	3.10E-06	2.14E-07
1152	470856.47	3818737.12	1.11E-05	4.67E-05	4.21E-06	9.27E-06	3.43E-05	3.02E-06	1.05E-06	6.02E-06	7.18E-07	9.55E-07	3.15E-06	2.17E-07
1153	470860	3818745.89	1.13E-05	4.75E-05	4.28E-06	9.42E-06	3.49E-05	3.07E-06	1.07E-06	6.12E-06	7.30E-07	9.71E-07	3.20E-06	2.21E-07
1154	470863.52	3818754.65	1.15E-05	4.83E-05	4.35E-06	9.59E-06	3.55E-05	3.12E-06	1.09E-06	6.22E-06	7.43E-07	9.88E-07	3.26E-06	2.25E-07
1155	470867.05	3818763.41	1.17E-05	4.92E-05	4.43E-06	9.76E-06	3.62E-05	3.18E-06	1.11E-06	6.34E-06	7.56E-07	1.01E-06	3.32E-06	2.29E-07
1156	470870.58	3818772.17	1.19E-05	5.02E-05	4.52E-06	9.95E-06	3.69E-05	3.24E-06	1.13E-06	6.46E-06	7.70E-07	1.03E-06	3.38E-06	2.33E-07
1157	470874.11	3818780.93	1.22E-05	5.11E-05	4.60E-06	1.01E-05	3.76E-05	3.31E-06	1.15E-06	6.58E-06	7.85E-07	1.05E-06	3.45E-06	2.38E-07

1158	470877.63	3818789.69	1.24E-05	5.22E-05	4.70E-06	1.04E-05	3.83E-05	3.37E-06	1.17E-06	6.72E-06	8.01E-07	1.07E-06	3.52E-06	2.42E-07
1159	470881.16	3818798.45	1.27E-05	5.33E-05	4.80E-06	1.06E-05	3.91E-05	3.44E-06	1.20E-06	6.86E-06	8.18E-07	1.09E-06	3.59E-06	2.48E-07
1160	470884.69	3818807.21	1.30E-05	5.44E-05	4.90E-06	1.08E-05	4.00E-05	3.52E-06	1.22E-06	7.01E-06	8.36E-07	1.11E-06	3.67E-06	2.53E-07
1161	470888.21	3818815.97	1.32E-05	5.56E-05	5.01E-06	1.10E-05	4.09E-05	3.60E-06	1.25E-06	7.16E-06	8.55E-07	1.14E-06	3.75E-06	2.59E-07
1162	470891.74	3818824.73	1.35E-05	5.69E-05	5.12E-06	1.13E-05	4.18E-05	3.68E-06	1.28E-06	7.32E-06	8.74E-07	1.16E-06	3.83E-06	2.64E-07
1163	470895.27	3818833.49	1.39E-05	5.82E-05	5.24E-06	1.15E-05	4.28E-05	3.76E-06	1.31E-06	7.49E-06	8.94E-07	1.19E-06	3.92E-06	2.70E-07
1164	470898.8	3818842.26	1.42E-05	5.96E-05	5.37E-06	1.18E-05	4.38E-05	3.85E-06	1.34E-06	7.67E-06	9.15E-07	1.22E-06	4.02E-06	2.77E-07
1165	470902.32	3818851.02	1.45E-05	6.10E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.85E-06	9.37E-07	1.25E-06	4.11E-06	2.83E-07
1166	470905.85	3818859.78	1.49E-05	6.25E-05	5.63E-06	1.24E-05	4.59E-05	4.04E-06	1.41E-06	8.04E-06	9.60E-07	1.28E-06	4.21E-06	2.90E-07
1167	470909.38	3818868.54	1.52E-05	6.40E-05	5.77E-06	1.27E-05	4.71E-05	4.14E-06	1.44E-06	8.24E-06	9.84E-07	1.31E-06	4.32E-06	2.98E-07
1168	470912.9	3818877.3	1.56E-05	6.56E-05	5.91E-06	1.30E-05	4.82E-05	4.24E-06	1.48E-06	8.45E-06	1.01E-06	1.34E-06	4.42E-06	3.05E-07
1169	470916.43	3818886.06	1.60E-05	6.73E-05	6.06E-06	1.34E-05	4.95E-05	4.35E-06	1.51E-06	8.67E-06	1.03E-06	1.38E-06	4.54E-06	3.13E-07
1170	470919.96	3818894.82	1.64E-05	6.91E-05	6.22E-06	1.37E-05	5.07E-05	4.46E-06	1.55E-06	8.89E-06	1.06E-06	1.41E-06	4.65E-06	3.21E-07
1171	470923.49	3818903.58	1.69E-05	7.08E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
1172	470927.01	3818912.34	1.73E-05	7.27E-05	6.55E-06	1.44E-05	5.34E-05	4.70E-06	1.63E-06	9.36E-06	1.12E-06	1.49E-06	4.90E-06	3.38E-07
1173	470930.54	3818921.1	1.78E-05	7.46E-05	6.72E-06	1.48E-05	5.48E-05	4.82E-06	1.68E-06	9.61E-06	1.15E-06	1.53E-06	5.03E-06	3.47E-07
1174	470934.07	3818929.86	1.82E-05	7.66E-05	6.90E-06	1.52E-05	5.63E-05	4.95E-06	1.72E-06	9.86E-06	1.18E-06	1.57E-06	5.16E-06	3.56E-07
1175	470937.59	3818938.63	1.87E-05	7.87E-05	7.08E-06	1.56E-05	5.78E-05	5.09E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.30E-06	3.66E-07
1176	470941.12	3818947.39	1.92E-05	8.08E-05	7.27E-06	1.60E-05	5.93E-05	5.22E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.44E-06	3.75E-07
1177	470944.65	3818956.15	1.97E-05	8.29E-05	7.47E-06	1.64E-05	6.09E-05	5.36E-06	1.86E-06	1.07E-05	1.27E-06	1.70E-06	5.59E-06	3.85E-07
1178	470948.17	3818964.91	2.03E-05	8.52E-05	7.67E-06	1.69E-05	6.26E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.74E-06	3.96E-07
1179	470951.7	3818973.67	2.08E-05	8.75E-05	7.88E-06	1.73E-05	6.43E-05	5.65E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
1180	470955.23	3818982.43	2.14E-05	8.98E-05	8.09E-06	1.78E-05	6.60E-05	5.81E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.05E-06	4.17E-07
1181	470958.76	3818991.19	2.20E-05	9.22E-05	8.31E-06	1.83E-05	6.78E-05	5.96E-06	2.07E-06	1.19E-05	1.42E-06	1.89E-06	6.22E-06	4.29E-07
1182	470962.28	3818999.95	2.25E-05	9.47E-05	8.53E-06	1.88E-05	6.96E-05	6.12E-06	2.13E-06	1.22E-05	1.45E-06	1.94E-06	6.38E-06	4.40E-07
1183	470965.81	3819008.71	2.31E-05	9.72E-05	8.75E-06	1.93E-05	7.14E-05	6.28E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.55E-06	4.52E-07
1184	470969.34	3819017.47	2.38E-05	9.98E-05	8.98E-06	1.98E-05	7.33E-05	6.45E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.72E-06	4.64E-07
1185	470972.86	3819026.23	2.44E-05	1.02E-04	9.22E-06	2.03E-05	7.52E-05	6.62E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.90E-06	4.76E-07
1186	470976.39	3819035	2.50E-05	1.05E-04	9.45E-06	2.08E-05	7.71E-05	6.79E-06	2.36E-06	1.35E-05	1.61E-06	2.15E-06	7.08E-06	4.88E-07
1187	470979.92	3819043.76	2.56E-05	1.08E-04	9.69E-06	2.13E-05	7.91E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.25E-06	5.00E-07
1188	470983.45	3819052.52	2.63E-05	1.10E-04	9.93E-06	2.19E-05	8.10E-05	7.13E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.43E-06	5.12E-07
1189	470986.97	3819061.28	2.69E-05	1.13E-04	1.02E-05	2.24E-05	8.30E-05	7.30E-06	2.54E-06	1.45E-05	1.74E-06	2.31E-06	7.62E-06	5.25E-07
1190	470990.5	3819070.04	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.50E-05	7.48E-06	2.60E-06	1.49E-05	1.78E-06	2.37E-06	7.80E-06	5.38E-07
1191	470994.03	3819078.8	2.82E-05	1.18E-04	1.07E-05	2.35E-05	8.70E-05	7.66E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
1192	470997.55	3819087.56	2.89E-05	1.21E-04	1.09E-05	2.40E-05	8.91E-05	7.83E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.17E-06	5.63E-07
1193	471001.08	3819096.32	2.95E-05	1.24E-04	1.12E-05	2.46E-05	9.11E-05	8.01E-06	2.79E-06	1.60E-05	1.90E-06	2.53E-06	8.35E-06	5.76E-07
1194	471004.61	3819105.08	3.02E-05	1.27E-04	1.14E-05	2.51E-05	9.30E-05	8.18E-06	2.85E-06	1.63E-05	1.94E-06	2.59E-06	8.54E-06	5.88E-07
1195	471008.14	3819113.84	3.08E-05	1.29E-04	1.16E-05	2.56E-05	9.50E-05	8.36E-06	2.91E-06	1.66E-05	1.99E-06	2.64E-06	8.71E-06	6.01E-07
1196	471011.66	3819122.6	3.14E-05	1.32E-04	1.19E-05	2.62E-05	9.69E-05	8.53E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.89E-06	6.13E-07
1197	471015.19	3819131.37	3.20E-05	1.35E-04	1.21E-05	2.67E-05	9.89E-05	8.70E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.07E-06	6.25E-07
1198	471018.72	3819140.13	3.26E-05	1.37E-04	1.23E-05	2.72E-05	1.01E-04	8.86E-06	3.08E-06	1.76E-05	2.11E-06	2.80E-06	9.24E-06	6.37E-07
1199	471022.24	3819148.89	3.32E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.02E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.41E-06	6.49E-07
1200	471025.77	3819157.65	3.38E-05	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.18E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.57E-06	6.60E-07

1201	471029.3	3819166.41	3.44E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.33E-06	3.25E-06	1.86E-05	2.22E-06	2.95E-06	9.73E-06	6.71E-07
1202	470581.52	3818502.4	1.31E-05	5.51E-05	4.96E-06	1.09E-05	4.05E-05	3.56E-06	1.24E-06	7.10E-06	8.47E-07	1.13E-06	3.72E-06	2.56E-07
1203	470590.26	3818506.15	1.30E-05	5.44E-05	4.90E-06	1.08E-05	4.00E-05	3.52E-06	1.22E-06	7.00E-06	8.36E-07	1.11E-06	3.67E-06	2.53E-07
1204	470598.99	3818509.9	1.28E-05	5.37E-05	4.84E-06	1.07E-05	3.95E-05	3.47E-06	1.21E-06	6.91E-06	8.25E-07	1.10E-06	3.62E-06	2.49E-07
1205	470607.73	3818513.65	1.26E-05	5.30E-05	4.77E-06	1.05E-05	3.89E-05	3.42E-06	1.19E-06	6.82E-06	8.14E-07	1.08E-06	3.57E-06	2.46E-07
1206	470616.47	3818517.4	1.24E-05	5.23E-05	4.71E-06	1.04E-05	3.84E-05	3.38E-06	1.18E-06	6.73E-06	8.03E-07	1.07E-06	3.52E-06	2.43E-07
1207	470625.2	3818521.15	1.23E-05	5.16E-05	4.64E-06	1.02E-05	3.79E-05	3.33E-06	1.16E-06	6.64E-06	7.92E-07	1.05E-06	3.48E-06	2.40E-07
1208	470633.94	3818524.9	1.21E-05	5.08E-05	4.58E-06	1.01E-05	3.73E-05	3.29E-06	1.14E-06	6.54E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
1209	470642.68	3818528.65	1.19E-05	5.01E-05	4.51E-06	9.94E-06	3.68E-05	3.24E-06	1.13E-06	6.45E-06	7.70E-07	1.02E-06	3.38E-06	2.33E-07
1210	470651.41	3818532.4	1.18E-05	4.94E-05	4.45E-06	9.80E-06	3.63E-05	3.19E-06	1.11E-06	6.36E-06	7.59E-07	1.01E-06	3.33E-06	2.30E-07
1211	470660.15	3818536.15	1.16E-05	4.87E-05	4.39E-06	9.66E-06	3.58E-05	3.15E-06	1.10E-06	6.27E-06	7.48E-07	9.96E-07	3.28E-06	2.26E-07
1212	470668.89	3818539.9	1.14E-05	4.80E-05	4.33E-06	9.53E-06	3.53E-05	3.11E-06	1.08E-06	6.18E-06	7.38E-07	9.82E-07	3.24E-06	2.23E-07
1213	470677.62	3818543.65	1.13E-05	4.74E-05	4.26E-06	9.39E-06	3.48E-05	3.06E-06	1.06E-06	6.10E-06	7.27E-07	9.68E-07	3.19E-06	2.20E-07
1214	470686.36	3818547.4	1.11E-05	4.67E-05	4.20E-06	9.26E-06	3.43E-05	3.02E-06	1.05E-06	6.01E-06	7.17E-07	9.54E-07	3.15E-06	2.17E-07
1215	470695.1	3818551.15	1.10E-05	4.60E-05	4.14E-06	9.12E-06	3.38E-05	2.97E-06	1.03E-06	5.92E-06	7.07E-07	9.40E-07	3.10E-06	2.14E-07
1216	470703.83	3818554.9	1.08E-05	4.54E-05	4.08E-06	9.00E-06	3.33E-05	2.93E-06	1.02E-06	5.84E-06	6.97E-07	9.27E-07	3.06E-06	2.11E-07
1217	470756.25	3818577.4	9.92E-06	4.17E-05	3.75E-06	8.27E-06	3.06E-05	2.69E-06	9.37E-07	5.37E-06	6.40E-07	8.52E-07	2.81E-06	1.94E-07
1218	470764.99	3818581.15	9.79E-06	4.11E-05	3.70E-06	8.16E-06	3.02E-05	2.66E-06	9.25E-07	5.29E-06	6.32E-07	8.41E-07	2.77E-06	1.91E-07
1219	470773.73	3818584.9	9.67E-06	4.06E-05	3.66E-06	8.05E-06	2.98E-05	2.62E-06	9.13E-07	5.23E-06	6.24E-07	8.30E-07	2.74E-06	1.89E-07
1220	470782.46	3818588.65	9.55E-06	4.01E-05	3.61E-06	7.95E-06	2.95E-05	2.59E-06	9.02E-07	5.16E-06	6.16E-07	8.20E-07	2.70E-06	1.86E-07
1221	470791.2	3818592.4	9.43E-06	3.96E-05	3.57E-06	7.86E-06	2.91E-05	2.56E-06	8.91E-07	5.10E-06	6.08E-07	8.10E-07	2.67E-06	1.84E-07
1222	470799.94	3818596.15	9.32E-06	3.91E-05	3.52E-06	7.76E-06	2.88E-05	2.53E-06	8.80E-07	5.04E-06	6.01E-07	8.00E-07	2.64E-06	1.82E-07
1223	470808.68	3818599.9	9.21E-06	3.87E-05	3.48E-06	7.67E-06	2.84E-05	2.50E-06	8.70E-07	4.98E-06	5.94E-07	7.91E-07	2.61E-06	1.80E-07
1224	470817.41	3818603.65	9.11E-06	3.83E-05	3.45E-06	7.59E-06	2.81E-05	2.47E-06	8.60E-07	4.93E-06	5.88E-07	7.82E-07	2.58E-06	1.78E-07
1225	470826.15	3818607.4	9.02E-06	3.79E-05	3.41E-06	7.51E-06	2.78E-05	2.45E-06	8.52E-07	4.88E-06	5.82E-07	7.74E-07	2.55E-06	1.76E-07
1226	470834.89	3818611.15	8.93E-06	3.75E-05	3.38E-06	7.44E-06	2.76E-05	2.42E-06	8.43E-07	4.83E-06	5.76E-07	7.66E-07	2.53E-06	1.74E-07
1227	470843.62	3818614.9	8.85E-06	3.72E-05	3.35E-06	7.37E-06	2.73E-05	2.40E-06	8.35E-07	4.78E-06	5.71E-07	7.59E-07	2.50E-06	1.73E-07
1228	470852.36	3818618.65	8.76E-06	3.68E-05	3.31E-06	7.30E-06	2.70E-05	2.38E-06	8.28E-07	4.74E-06	5.65E-07	7.52E-07	2.48E-06	1.71E-07
1229	470861.1	3818622.4	8.69E-06	3.65E-05	3.29E-06	7.24E-06	2.68E-05	2.36E-06	8.21E-07	4.70E-06	5.61E-07	7.46E-07	2.46E-06	1.70E-07
1230	470869.83	3818626.15	8.63E-06	3.62E-05	3.26E-06	7.19E-06	2.66E-05	2.34E-06	8.15E-07	4.67E-06	5.57E-07	7.41E-07	2.44E-06	1.68E-07
1231	470878.57	3818629.9	8.57E-06	3.60E-05	3.24E-06	7.14E-06	2.64E-05	2.33E-06	8.09E-07	4.63E-06	5.53E-07	7.36E-07	2.43E-06	1.67E-07
1232	470887.31	3818633.65	8.51E-06	3.58E-05	3.22E-06	7.09E-06	2.63E-05	2.31E-06	8.04E-07	4.60E-06	5.49E-07	7.31E-07	2.41E-06	1.66E-07
1233	470899.59	3818646.22	8.57E-06	3.60E-05	3.24E-06	7.14E-06	2.64E-05	2.33E-06	8.09E-07	4.63E-06	5.53E-07	7.36E-07	2.43E-06	1.67E-07
1234	470903.14	3818655.04	8.68E-06	3.64E-05	3.28E-06	7.23E-06	2.68E-05	2.36E-06	8.20E-07	4.69E-06	5.60E-07	7.45E-07	2.46E-06	1.69E-07
1235	470906.69	3818663.86	8.79E-06	3.69E-05	3.33E-06	7.32E-06	2.71E-05	2.39E-06	8.30E-07	4.75E-06	5.67E-07	7.55E-07	2.49E-06	1.72E-07
1236	470910.24	3818672.67	8.92E-06	3.75E-05	3.37E-06	7.43E-06	2.75E-05	2.42E-06	8.43E-07	4.82E-06	5.76E-07	7.66E-07	2.53E-06	1.74E-07
1237	470913.8	3818681.49	9.05E-06	3.80E-05	3.42E-06	7.54E-06	2.79E-05	2.46E-06	8.55E-07	4.89E-06	5.84E-07	7.77E-07	2.56E-06	1.77E-07
1238	470917.35	3818690.31	9.20E-06	3.86E-05	3.48E-06	7.66E-06	2.84E-05	2.50E-06	8.69E-07	4.97E-06	5.93E-07	7.90E-07	2.60E-06	1.79E-07
1239	470920.9	3818699.13	9.35E-06	3.93E-05	3.53E-06	7.79E-06	2.88E-05	2.54E-06	8.83E-07	5.05E-06	6.03E-07	8.02E-07	2.65E-06	1.82E-07
1240	470924.45	3818707.95	9.51E-06	3.99E-05	3.60E-06	7.92E-06	2.93E-05	2.58E-06	8.98E-07	5.14E-06	6.13E-07	8.16E-07	2.69E-06	1.85E-07
1241	470928	3818716.77	9.67E-06	4.06E-05	3.66E-06	8.05E-06	2.98E-05	2.62E-06	9.13E-07	5.23E-06	6.24E-07	8.30E-07	2.74E-06	1.89E-07
1242	470931.55	3818725.59	9.84E-06	4.13E-05	3.72E-06	8.20E-06	3.04E-05	2.67E-06	9.29E-07	5.32E-06	6.35E-07	8.45E-07	2.79E-06	1.92E-07
1243	470935.1	3818734.41	1.00E-05	4.21E-05	3.79E-06	8.35E-06	3.09E-05	2.72E-06	9.47E-07	5.42E-06	6.47E-07	8.61E-07	2.84E-06	1.96E-07

1244	470938.65	3818743.23	1.02E-05	4.29E-05	3.87E-06	8.51E-06	3.15E-05	2.77E-06	9.65E-07	5.53E-06	6.59E-07	8.78E-07	2.89E-06	1.99E-07
1245	470942.2	3818752.05	1.04E-05	4.38E-05	3.94E-06	8.68E-06	3.22E-05	2.83E-06	9.84E-07	5.64E-06	6.72E-07	8.95E-07	2.95E-06	2.03E-07
1246	470945.75	3818760.87	1.06E-05	4.46E-05	4.02E-06	8.86E-06	3.28E-05	2.89E-06	1.00E-06	5.75E-06	6.86E-07	9.13E-07	3.01E-06	2.07E-07
1247	470949.3	3818769.69	1.09E-05	4.56E-05	4.10E-06	9.04E-06	3.35E-05	2.95E-06	1.02E-06	5.87E-06	7.00E-07	9.32E-07	3.07E-06	2.12E-07
1248	470952.85	3818778.51	1.11E-05	4.65E-05	4.19E-06	9.23E-06	3.42E-05	3.01E-06	1.05E-06	5.99E-06	7.15E-07	9.51E-07	3.14E-06	2.16E-07
1249	470956.4	3818787.33	1.13E-05	4.75E-05	4.28E-06	9.43E-06	3.49E-05	3.07E-06	1.07E-06	6.12E-06	7.30E-07	9.72E-07	3.20E-06	2.21E-07
1250	470959.95	3818796.15	1.16E-05	4.86E-05	4.37E-06	9.63E-06	3.57E-05	3.14E-06	1.09E-06	6.25E-06	7.46E-07	9.93E-07	3.27E-06	2.26E-07
1251	470963.5	3818804.97	1.18E-05	4.97E-05	4.47E-06	9.85E-06	3.65E-05	3.21E-06	1.12E-06	6.39E-06	7.63E-07	1.02E-06	3.35E-06	2.31E-07
1252	470967.06	3818813.79	1.21E-05	5.08E-05	4.57E-06	1.01E-05	3.73E-05	3.28E-06	1.14E-06	6.54E-06	7.80E-07	1.04E-06	3.42E-06	2.36E-07
1253	470970.61	3818822.61	1.24E-05	5.19E-05	4.67E-06	1.03E-05	3.81E-05	3.35E-06	1.17E-06	6.68E-06	7.97E-07	1.06E-06	3.50E-06	2.41E-07
1254	470974.16	3818831.43	1.26E-05	5.31E-05	4.78E-06	1.05E-05	3.90E-05	3.43E-06	1.19E-06	6.83E-06	8.15E-07	1.09E-06	3.58E-06	2.47E-07
1255	470977.71	3818840.25	1.29E-05	5.43E-05	4.89E-06	1.08E-05	3.99E-05	3.51E-06	1.22E-06	6.99E-06	8.34E-07	1.11E-06	3.66E-06	2.52E-07
1256	470981.26	3818849.07	1.32E-05	5.56E-05	5.01E-06	1.10E-05	4.09E-05	3.60E-06	1.25E-06	7.16E-06	8.54E-07	1.14E-06	3.75E-06	2.58E-07
1257	470984.81	3818857.88	1.36E-05	5.70E-05	5.13E-06	1.13E-05	4.18E-05	3.68E-06	1.28E-06	7.33E-06	8.75E-07	1.16E-06	3.84E-06	2.65E-07
1258	470988.36	3818866.7	1.39E-05	5.83E-05	5.25E-06	1.16E-05	4.29E-05	3.77E-06	1.31E-06	7.51E-06	8.96E-07	1.19E-06	3.93E-06	2.71E-07
1259	470991.91	3818875.52	1.42E-05	5.98E-05	5.38E-06	1.19E-05	4.39E-05	3.86E-06	1.34E-06	7.70E-06	9.18E-07	1.22E-06	4.03E-06	2.78E-07
1260	470995.46	3818884.34	1.46E-05	6.12E-05	5.51E-06	1.21E-05	4.50E-05	3.96E-06	1.38E-06	7.88E-06	9.40E-07	1.25E-06	4.13E-06	2.85E-07
1261	470999.01	3818893.16	1.49E-05	6.28E-05	5.65E-06	1.24E-05	4.61E-05	4.06E-06	1.41E-06	8.08E-06	9.64E-07	1.28E-06	4.23E-06	2.92E-07
1262	471002.56	3818901.98	1.53E-05	6.43E-05	5.79E-06	1.28E-05	4.73E-05	4.16E-06	1.45E-06	8.28E-06	9.88E-07	1.31E-06	4.34E-06	2.99E-07
1263	471006.11	3818910.8	1.57E-05	6.59E-05	5.94E-06	1.31E-05	4.85E-05	4.26E-06	1.48E-06	8.49E-06	1.01E-06	1.35E-06	4.44E-06	3.06E-07
1264	471009.66	3818919.62	1.61E-05	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.56E-06	3.14E-07
1265	471013.21	3818928.44	1.65E-05	6.93E-05	6.24E-06	1.37E-05	5.09E-05	4.48E-06	1.56E-06	8.92E-06	1.06E-06	1.42E-06	4.67E-06	3.22E-07
1266	471016.76	3818937.26	1.69E-05	7.11E-05	6.40E-06	1.41E-05	5.22E-05	4.59E-06	1.60E-06	9.15E-06	1.09E-06	1.45E-06	4.79E-06	3.30E-07
1267	471020.32	3818946.08	1.74E-05	7.29E-05	6.56E-06	1.45E-05	5.35E-05	4.71E-06	1.64E-06	9.38E-06	1.12E-06	1.49E-06	4.91E-06	3.39E-07
1268	471023.87	3818954.9	1.78E-05	7.47E-05	6.73E-06	1.48E-05	5.49E-05	4.83E-06	1.68E-06	9.62E-06	1.15E-06	1.53E-06	5.04E-06	3.47E-07
1269	471027.42	3818963.72	1.82E-05	7.66E-05	6.90E-06	1.52E-05	5.63E-05	4.95E-06	1.72E-06	9.86E-06	1.18E-06	1.57E-06	5.16E-06	3.56E-07
1270	471030.97	3818972.54	1.87E-05	7.85E-05	7.07E-06	1.56E-05	5.77E-05	5.07E-06	1.76E-06	1.01E-05	1.21E-06	1.60E-06	5.29E-06	3.65E-07
1271	471034.52	3818981.36	1.92E-05	8.04E-05	7.24E-06	1.60E-05	5.91E-05	5.20E-06	1.81E-06	1.04E-05	1.24E-06	1.64E-06	5.42E-06	3.74E-07
1272	471038.07	3818990.18	1.96E-05	8.24E-05	7.42E-06	1.63E-05	6.06E-05	5.33E-06	1.85E-06	1.06E-05	1.27E-06	1.68E-06	5.55E-06	3.83E-07
1273	471048.72	3819016.64	2.11E-05	8.85E-05	7.97E-06	1.76E-05	6.50E-05	5.72E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.97E-06	4.11E-07
1274	471052.27	3819025.46	2.16E-05	9.06E-05	8.16E-06	1.80E-05	6.66E-05	5.86E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.11E-06	4.21E-07
1275	471055.82	3819034.28	2.21E-05	9.27E-05	8.35E-06	1.84E-05	6.82E-05	6.00E-06	2.09E-06	1.19E-05	1.42E-06	1.90E-06	6.25E-06	4.31E-07
1276	471059.37	3819043.09	2.26E-05	9.49E-05	8.55E-06	1.88E-05	6.97E-05	6.13E-06	2.13E-06	1.22E-05	1.46E-06	1.94E-06	6.40E-06	4.41E-07
1277	471062.92	3819051.91	2.31E-05	9.70E-05	8.74E-06	1.92E-05	7.13E-05	6.27E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.54E-06	4.51E-07
1278	471066.47	3819060.73	2.36E-05	9.92E-05	8.93E-06	1.97E-05	7.29E-05	6.41E-06	2.23E-06	1.28E-05	1.52E-06	2.03E-06	6.69E-06	4.61E-07
1279	471070.02	3819069.55	2.41E-05	1.01E-04	9.13E-06	2.01E-05	7.45E-05	6.55E-06	2.28E-06	1.30E-05	1.56E-06	2.07E-06	6.83E-06	4.71E-07
1280	471073.58	3819078.37	2.46E-05	1.04E-04	9.32E-06	2.05E-05	7.61E-05	6.69E-06	2.33E-06	1.33E-05	1.59E-06	2.12E-06	6.98E-06	4.81E-07
1281	471077.13	3819087.19	2.52E-05	1.06E-04	9.51E-06	2.10E-05	7.76E-05	6.83E-06	2.38E-06	1.36E-05	1.62E-06	2.16E-06	7.12E-06	4.91E-07
1282	471080.68	3819096.01	2.57E-05	1.08E-04	9.70E-06	2.14E-05	7.92E-05	6.97E-06	2.42E-06	1.39E-05	1.66E-06	2.20E-06	7.26E-06	5.01E-07
1283	471084.23	3819104.83	2.62E-05	1.10E-04	9.89E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.25E-06	7.40E-06	5.10E-07
1284	471087.78	3819113.65	2.67E-05	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
1285	471091.33	3819122.47	2.71E-05	1.14E-04	1.03E-05	2.26E-05	8.38E-05	7.37E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.68E-06	5.30E-07
1286	471094.88	3819131.29	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.52E-05	7.50E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.82E-06	5.39E-07

1287	471105.53	3819157.75	2.90E-05	1.22E-04	1.10E-05	2.41E-05	8.94E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.20E-06	5.66E-07
1288	471109.08	3819166.57	2.94E-05	1.24E-04	1.11E-05	2.45E-05	9.08E-05	7.98E-06	2.78E-06	1.59E-05	1.90E-06	2.52E-06	8.33E-06	5.74E-07
1289	471112.63	3819175.39	2.98E-05	1.25E-04	1.13E-05	2.48E-05	9.20E-05	8.10E-06	2.82E-06	1.61E-05	1.92E-06	2.56E-06	8.44E-06	5.82E-07
1290	471116.18	3819184.21	3.02E-05	1.27E-04	1.14E-05	2.52E-05	9.33E-05	8.21E-06	2.85E-06	1.63E-05	1.95E-06	2.60E-06	8.56E-06	5.90E-07
1291	471119.73	3819193.03	3.06E-05	1.29E-04	1.16E-05	2.55E-05	9.45E-05	8.31E-06	2.89E-06	1.65E-05	1.97E-06	2.63E-06	8.66E-06	5.97E-07
1292	471123.29	3819201.85	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.56E-05	8.41E-06	2.93E-06	1.67E-05	2.00E-06	2.66E-06	8.77E-06	6.04E-07
1293	471126.84	3819210.67	3.13E-05	1.32E-04	1.18E-05	2.61E-05	9.67E-05	8.50E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.87E-06	6.11E-07
1294	471130.39	3819219.49	3.16E-05	1.33E-04	1.20E-05	2.64E-05	9.76E-05	8.59E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.96E-06	6.17E-07
1295	471133.94	3819228.3	3.20E-05	1.34E-04	1.21E-05	2.66E-05	9.86E-05	8.67E-06	3.02E-06	1.73E-05	2.06E-06	2.74E-06	9.04E-06	6.23E-07
1296	471137.49	3819237.12	3.22E-05	1.35E-04	1.22E-05	2.69E-05	9.95E-05	8.75E-06	3.04E-06	1.74E-05	2.08E-06	2.77E-06	9.12E-06	6.29E-07
1297	470293.21	3818378.66	1.86E-05	7.81E-05	7.03E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.26E-06	3.63E-07
1298	470283.65	3818378.52	1.89E-05	7.92E-05	7.14E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
1299	470274.09	3818378.39	1.91E-05	8.04E-05	7.24E-06	1.59E-05	5.91E-05	5.20E-06	1.81E-06	1.03E-05	1.23E-06	1.64E-06	5.42E-06	3.73E-07
1300	470264.52	3818378.25	1.94E-05	8.15E-05	7.34E-06	1.62E-05	5.99E-05	5.27E-06	1.83E-06	1.05E-05	1.25E-06	1.67E-06	5.49E-06	3.79E-07
1301	470254.96	3818378.12	1.97E-05	8.25E-05	7.43E-06	1.64E-05	6.07E-05	5.34E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.84E-07
1302	470245.4	3818377.98	1.99E-05	8.35E-05	7.52E-06	1.66E-05	6.14E-05	5.40E-06	1.88E-06	1.08E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
1303	470235.84	3818377.85	2.01E-05	8.44E-05	7.60E-06	1.67E-05	6.20E-05	5.46E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.69E-06	3.92E-07
1304	470226.27	3818377.71	2.03E-05	8.52E-05	7.68E-06	1.69E-05	6.26E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.74E-06	3.96E-07
1305	470216.71	3818377.58	2.05E-05	8.60E-05	7.74E-06	1.70E-05	6.32E-05	5.56E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.79E-06	3.99E-07
1306	470207.15	3818377.44	2.06E-05	8.66E-05	7.80E-06	1.72E-05	6.36E-05	5.60E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.84E-06	4.02E-07
1307	470197.59	3818377.31	2.08E-05	8.72E-05	7.85E-06	1.73E-05	6.41E-05	5.63E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.88E-06	4.05E-07
1308	470188.03	3818377.17	2.09E-05	8.76E-05	7.89E-06	1.74E-05	6.44E-05	5.66E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.07E-07
1309	470178.46	3818377.04	2.10E-05	8.80E-05	7.92E-06	1.75E-05	6.47E-05	5.69E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
1310	470168.9	3818376.9	2.15E-05	9.04E-05	8.14E-06	1.79E-05	6.64E-05	5.85E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.09E-06	4.20E-07
1311	470159.34	3818376.77	2.16E-05	9.08E-05	8.18E-06	1.80E-05	6.67E-05	5.87E-06	2.04E-06	1.17E-05	1.39E-06	1.86E-06	6.12E-06	4.22E-07
1312	470149.78	3818376.63	2.17E-05	9.10E-05	8.20E-06	1.81E-05	6.69E-05	5.88E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.23E-07
1313	470140.21	3818376.5	2.17E-05	9.11E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.23E-07
1314	470130.65	3818376.36	2.17E-05	9.11E-05	8.20E-06	1.81E-05	6.69E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.23E-07
1315	470121.09	3818376.23	2.16E-05	9.09E-05	8.19E-06	1.80E-05	6.68E-05	5.88E-06	2.04E-06	1.17E-05	1.40E-06	1.86E-06	6.13E-06	4.22E-07
1316	470680.9	3818464.58	9.99E-06	4.19E-05	3.78E-06	8.32E-06	3.08E-05	2.71E-06	9.43E-07	5.40E-06	6.44E-07	8.57E-07	2.83E-06	1.95E-07
1317	470689.69	3818468.35	9.86E-06	4.14E-05	3.73E-06	8.21E-06	3.04E-05	2.68E-06	9.31E-07	5.33E-06	6.36E-07	8.46E-07	2.79E-06	1.92E-07
1318	470698.47	3818472.12	9.73E-06	4.08E-05	3.68E-06	8.10E-06	3.00E-05	2.64E-06	9.19E-07	5.26E-06	6.27E-07	8.35E-07	2.75E-06	1.90E-07
1319	470707.26	3818475.89	9.59E-06	4.03E-05	3.63E-06	7.99E-06	2.96E-05	2.60E-06	9.06E-07	5.19E-06	6.19E-07	8.23E-07	2.72E-06	1.87E-07
1320	470716.04	3818479.66	9.47E-06	3.98E-05	3.58E-06	7.89E-06	2.92E-05	2.57E-06	8.94E-07	5.12E-06	6.11E-07	8.13E-07	2.68E-06	1.85E-07
1321	470724.83	3818483.43	9.34E-06	3.92E-05	3.53E-06	7.78E-06	2.88E-05	2.53E-06	8.82E-07	5.05E-06	6.02E-07	8.02E-07	2.64E-06	1.82E-07
1322	470733.61	3818487.2	9.21E-06	3.87E-05	3.48E-06	7.67E-06	2.84E-05	2.50E-06	8.69E-07	4.98E-06	5.94E-07	7.90E-07	2.61E-06	1.80E-07
1323	470742.4	3818490.97	9.08E-06	3.81E-05	3.43E-06	7.57E-06	2.80E-05	2.47E-06	8.58E-07	4.91E-06	5.86E-07	7.80E-07	2.57E-06	1.77E-07
1324	470751.18	3818494.75	8.96E-06	3.76E-05	3.39E-06	7.46E-06	2.77E-05	2.43E-06	8.46E-07	4.84E-06	5.78E-07	7.69E-07	2.54E-06	1.75E-07
1325	470759.97	3818498.52	8.84E-06	3.71E-05	3.34E-06	7.36E-06	2.73E-05	2.40E-06	8.35E-07	4.78E-06	5.70E-07	7.59E-07	2.50E-06	1.73E-07
1326	470768.75	3818502.29	8.72E-06	3.66E-05	3.30E-06	7.26E-06	2.69E-05	2.37E-06	8.24E-07	4.71E-06	5.63E-07	7.49E-07	2.47E-06	1.70E-07
1327	470777.54	3818506.06	8.60E-06	3.61E-05	3.25E-06	7.16E-06	2.65E-05	2.33E-06	8.12E-07	4.65E-06	5.55E-07	7.38E-07	2.43E-06	1.68E-07
1328	470786.33	3818509.83	8.49E-06	3.57E-05	3.21E-06	7.07E-06	2.62E-05	2.30E-06	8.02E-07	4.59E-06	5.48E-07	7.29E-07	2.40E-06	1.66E-07
1329	470839.04	3818532.45	7.88E-06	3.31E-05	2.98E-06	6.56E-06	2.43E-05	2.14E-06	7.44E-07	4.26E-06	5.08E-07	6.76E-07	2.23E-06	1.54E-07

1330	470847.82	3818536.22	7.79E-06	3.27E-05	2.95E-06	6.49E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.69E-07	2.20E-06	1.52E-07
1331	470856.61	3818539.99	7.70E-06	3.23E-05	2.91E-06	6.42E-06	2.38E-05	2.09E-06	7.27E-07	4.16E-06	4.97E-07	6.61E-07	2.18E-06	1.50E-07
1332	470865.39	3818543.77	7.62E-06	3.20E-05	2.88E-06	6.35E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.91E-07	6.54E-07	2.16E-06	1.49E-07
1333	470874.18	3818547.54	7.54E-06	3.17E-05	2.85E-06	6.28E-06	2.33E-05	2.05E-06	7.12E-07	4.08E-06	4.87E-07	6.48E-07	2.14E-06	1.47E-07
1334	470882.97	3818551.31	7.47E-06	3.14E-05	2.83E-06	6.22E-06	2.31E-05	2.03E-06	7.05E-07	4.04E-06	4.82E-07	6.41E-07	2.11E-06	1.46E-07
1335	470891.75	3818555.08	7.40E-06	3.11E-05	2.80E-06	6.17E-06	2.28E-05	2.01E-06	6.99E-07	4.00E-06	4.78E-07	6.36E-07	2.10E-06	1.44E-07
1336	470900.54	3818558.85	7.34E-06	3.08E-05	2.78E-06	6.11E-06	2.27E-05	1.99E-06	6.93E-07	3.97E-06	4.74E-07	6.30E-07	2.08E-06	1.43E-07
1337	470909.32	3818562.62	7.28E-06	3.06E-05	2.75E-06	6.06E-06	2.25E-05	1.98E-06	6.87E-07	3.93E-06	4.69E-07	6.25E-07	2.06E-06	1.42E-07
1338	470918.11	3818566.39	7.23E-06	3.03E-05	2.73E-06	6.02E-06	2.23E-05	1.96E-06	6.82E-07	3.91E-06	4.66E-07	6.20E-07	2.05E-06	1.41E-07
1339	470926.89	3818570.16	7.17E-06	3.01E-05	2.71E-06	5.97E-06	2.21E-05	1.95E-06	6.77E-07	3.88E-06	4.63E-07	6.16E-07	2.03E-06	1.40E-07
1340	470935.68	3818573.93	7.13E-06	2.99E-05	2.70E-06	5.94E-06	2.20E-05	1.94E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
1341	470944.46	3818577.7	7.09E-06	2.98E-05	2.68E-06	5.90E-06	2.19E-05	1.92E-06	6.69E-07	3.83E-06	4.57E-07	6.08E-07	2.01E-06	1.38E-07
1342	470956.82	3818590.34	7.13E-06	2.99E-05	2.70E-06	5.94E-06	2.20E-05	1.94E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
1343	470960.39	3818599.21	7.21E-06	3.03E-05	2.73E-06	6.01E-06	2.23E-05	1.96E-06	6.81E-07	3.90E-06	4.65E-07	6.19E-07	2.04E-06	1.41E-07
1344	470963.96	3818608.08	7.30E-06	3.07E-05	2.76E-06	6.08E-06	2.25E-05	1.98E-06	6.90E-07	3.95E-06	4.71E-07	6.27E-07	2.07E-06	1.42E-07
1345	470967.53	3818616.95	7.40E-06	3.11E-05	2.80E-06	6.16E-06	2.28E-05	2.01E-06	6.99E-07	4.00E-06	4.77E-07	6.35E-07	2.09E-06	1.44E-07
1346	470971.1	3818625.82	7.49E-06	3.15E-05	2.83E-06	6.24E-06	2.31E-05	2.03E-06	7.08E-07	4.05E-06	4.83E-07	6.43E-07	2.12E-06	1.46E-07
1347	470974.67	3818634.69	7.61E-06	3.19E-05	2.88E-06	6.33E-06	2.35E-05	2.06E-06	7.18E-07	4.11E-06	4.91E-07	6.53E-07	2.15E-06	1.48E-07
1348	470978.24	3818643.55	7.72E-06	3.24E-05	2.92E-06	6.43E-06	2.38E-05	2.09E-06	7.29E-07	4.17E-06	4.98E-07	6.62E-07	2.18E-06	1.51E-07
1349	470981.81	3818652.42	7.84E-06	3.29E-05	2.96E-06	6.53E-06	2.42E-05	2.13E-06	7.40E-07	4.24E-06	5.05E-07	6.73E-07	2.22E-06	1.53E-07
1350	470985.38	3818661.29	7.96E-06	3.34E-05	3.01E-06	6.63E-06	2.46E-05	2.16E-06	7.52E-07	4.30E-06	5.14E-07	6.83E-07	2.25E-06	1.55E-07
1351	470988.95	3818670.16	8.09E-06	3.40E-05	3.06E-06	6.74E-06	2.50E-05	2.20E-06	7.64E-07	4.37E-06	5.22E-07	6.95E-07	2.29E-06	1.58E-07
1352	470992.52	3818679.03	8.23E-06	3.46E-05	3.11E-06	6.86E-06	2.54E-05	2.23E-06	7.77E-07	4.45E-06	5.31E-07	7.07E-07	2.33E-06	1.61E-07
1353	470996.09	3818687.9	8.38E-06	3.52E-05	3.17E-06	6.98E-06	2.58E-05	2.27E-06	7.91E-07	4.53E-06	5.40E-07	7.19E-07	2.37E-06	1.63E-07
1354	470999.67	3818696.77	8.53E-06	3.58E-05	3.23E-06	7.10E-06	2.63E-05	2.32E-06	8.05E-07	4.61E-06	5.50E-07	7.32E-07	2.41E-06	1.66E-07
1355	471003.24	3818705.64	8.69E-06	3.65E-05	3.29E-06	7.24E-06	2.68E-05	2.36E-06	8.20E-07	4.70E-06	5.60E-07	7.46E-07	2.46E-06	1.70E-07
1356	471006.81	3818714.5	8.85E-06	3.72E-05	3.35E-06	7.37E-06	2.73E-05	2.40E-06	8.36E-07	4.79E-06	5.71E-07	7.60E-07	2.51E-06	1.73E-07
1357	471010.38	3818723.37	9.02E-06	3.79E-05	3.41E-06	7.52E-06	2.78E-05	2.45E-06	8.52E-07	4.88E-06	5.82E-07	7.75E-07	2.55E-06	1.76E-07
1358	471013.95	3818732.24	9.21E-06	3.87E-05	3.48E-06	7.67E-06	2.84E-05	2.50E-06	8.69E-07	4.98E-06	5.94E-07	7.90E-07	2.61E-06	1.80E-07
1359	471017.52	3818741.11	9.40E-06	3.95E-05	3.55E-06	7.83E-06	2.90E-05	2.55E-06	8.87E-07	5.08E-06	6.06E-07	8.07E-07	2.66E-06	1.83E-07
1360	471021.09	3818749.98	9.59E-06	4.03E-05	3.63E-06	7.99E-06	2.96E-05	2.60E-06	9.06E-07	5.19E-06	6.19E-07	8.23E-07	2.72E-06	1.87E-07
1361	471024.66	3818758.85	9.79E-06	4.11E-05	3.70E-06	8.15E-06	3.02E-05	2.66E-06	9.24E-07	5.29E-06	6.31E-07	8.40E-07	2.77E-06	1.91E-07
1362	471028.23	3818767.72	1.00E-05	4.20E-05	3.78E-06	8.33E-06	3.08E-05	2.71E-06	9.44E-07	5.40E-06	6.45E-07	8.58E-07	2.83E-06	1.95E-07
1363	471031.8	3818776.59	1.02E-05	4.29E-05	3.86E-06	8.51E-06	3.15E-05	2.77E-06	9.64E-07	5.52E-06	6.59E-07	8.77E-07	2.89E-06	1.99E-07
1364	471035.37	3818785.45	1.04E-05	4.38E-05	3.94E-06	8.69E-06	3.22E-05	2.83E-06	9.85E-07	5.64E-06	6.73E-07	8.95E-07	2.95E-06	2.04E-07
1365	471038.94	3818794.32	1.07E-05	4.48E-05	4.03E-06	8.88E-06	3.29E-05	2.89E-06	1.01E-06	5.76E-06	6.88E-07	9.15E-07	3.02E-06	2.08E-07
1366	471042.51	3818803.19	1.09E-05	4.57E-05	4.12E-06	9.07E-06	3.36E-05	2.96E-06	1.03E-06	5.89E-06	7.02E-07	9.35E-07	3.08E-06	2.13E-07
1367	471046.08	3818812.06	1.11E-05	4.67E-05	4.21E-06	9.27E-06	3.44E-05	3.02E-06	1.05E-06	6.02E-06	7.18E-07	9.56E-07	3.15E-06	2.17E-07
1368	471049.65	3818820.93	1.14E-05	4.78E-05	4.30E-06	9.48E-06	3.51E-05	3.09E-06	1.07E-06	6.15E-06	7.34E-07	9.77E-07	3.22E-06	2.22E-07
1369	471053.22	3818829.8	1.16E-05	4.88E-05	4.40E-06	9.68E-06	3.59E-05	3.16E-06	1.10E-06	6.29E-06	7.50E-07	9.98E-07	3.29E-06	2.27E-07
1370	471056.79	3818838.67	1.19E-05	4.99E-05	4.50E-06	9.91E-06	3.67E-05	3.23E-06	1.12E-06	6.43E-06	7.67E-07	1.02E-06	3.37E-06	2.32E-07
1371	471060.36	3818847.54	1.22E-05	5.11E-05	4.60E-06	1.01E-05	3.75E-05	3.30E-06	1.15E-06	6.58E-06	7.85E-07	1.04E-06	3.44E-06	2.37E-07
1372	471063.93	3818856.4	1.24E-05	5.23E-05	4.71E-06	1.04E-05	3.84E-05	3.38E-06	1.18E-06	6.73E-06	8.03E-07	1.07E-06	3.52E-06	2.43E-07

1373	471067.5	3818865.27	1.27E-05	5.35E-05	4.82E-06	1.06E-05	3.93E-05	3.46E-06	1.20E-06	6.89E-06	8.22E-07	1.09E-06	3.61E-06	2.49E-07
1374	471071.07	3818874.14	1.30E-05	5.48E-05	4.93E-06	1.09E-05	4.02E-05	3.54E-06	1.23E-06	7.05E-06	8.41E-07	1.12E-06	3.69E-06	2.54E-07
1375	471074.65	3818883.01	1.34E-05	5.61E-05	5.05E-06	1.11E-05	4.12E-05	3.63E-06	1.26E-06	7.22E-06	8.61E-07	1.15E-06	3.78E-06	2.61E-07
1376	471078.22	3818891.88	1.37E-05	5.74E-05	5.17E-06	1.14E-05	4.22E-05	3.71E-06	1.29E-06	7.39E-06	8.82E-07	1.17E-06	3.87E-06	2.67E-07
1377	471081.79	3818900.75	1.40E-05	5.88E-05	5.29E-06	1.17E-05	4.32E-05	3.80E-06	1.32E-06	7.57E-06	9.03E-07	1.20E-06	3.96E-06	2.73E-07
1378	471085.36	3818909.62	1.43E-05	6.02E-05	5.42E-06	1.19E-05	4.42E-05	3.89E-06	1.35E-06	7.74E-06	9.24E-07	1.23E-06	4.06E-06	2.80E-07
1379	471088.93	3818918.49	1.47E-05	6.16E-05	5.55E-06	1.22E-05	4.52E-05	3.98E-06	1.38E-06	7.93E-06	9.46E-07	1.26E-06	4.15E-06	2.86E-07
1380	471092.5	3818927.35	1.50E-05	6.30E-05	5.68E-06	1.25E-05	4.63E-05	4.07E-06	1.42E-06	8.11E-06	9.68E-07	1.29E-06	4.25E-06	2.93E-07
1381	471096.07	3818936.22	1.54E-05	6.45E-05	5.81E-06	1.28E-05	4.74E-05	4.17E-06	1.45E-06	8.30E-06	9.91E-07	1.32E-06	4.35E-06	3.00E-07
1382	471106.78	3818962.83	1.65E-05	6.91E-05	6.22E-06	1.37E-05	5.08E-05	4.47E-06	1.55E-06	8.90E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
1383	471110.35	3818971.7	1.68E-05	7.07E-05	6.37E-06	1.40E-05	5.19E-05	4.57E-06	1.59E-06	9.10E-06	1.09E-06	1.44E-06	4.76E-06	3.28E-07
1384	471113.92	3818980.57	1.72E-05	7.23E-05	6.51E-06	1.43E-05	5.31E-05	4.68E-06	1.63E-06	9.31E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
1385	471117.49	3818989.44	1.76E-05	7.40E-05	6.66E-06	1.47E-05	5.43E-05	4.78E-06	1.66E-06	9.52E-06	1.14E-06	1.51E-06	4.99E-06	3.44E-07
1386	471121.06	3818998.3	1.80E-05	7.56E-05	6.81E-06	1.50E-05	5.56E-05	4.89E-06	1.70E-06	9.74E-06	1.16E-06	1.55E-06	5.10E-06	3.51E-07
1387	471124.63	3819007.17	1.84E-05	7.73E-05	6.96E-06	1.53E-05	5.68E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
1388	471128.2	3819016.04	1.88E-05	7.90E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.62E-06	5.33E-06	3.67E-07
1389	471131.77	3819024.91	1.92E-05	8.07E-05	7.27E-06	1.60E-05	5.93E-05	5.22E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.44E-06	3.75E-07
1390	471135.34	3819033.78	1.96E-05	8.25E-05	7.43E-06	1.64E-05	6.06E-05	5.33E-06	1.85E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.83E-07
1391	471138.91	3819042.65	2.01E-05	8.42E-05	7.58E-06	1.67E-05	6.19E-05	5.44E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.68E-06	3.91E-07
1392	471142.48	3819051.52	2.05E-05	8.59E-05	7.74E-06	1.70E-05	6.31E-05	5.56E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.79E-06	3.99E-07
1393	471146.06	3819060.39	2.09E-05	8.77E-05	7.89E-06	1.74E-05	6.44E-05	5.67E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.07E-07
1394	471149.63	3819069.25	2.13E-05	8.94E-05	8.05E-06	1.77E-05	6.57E-05	5.78E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.02E-06	4.15E-07
1395	471153.2	3819078.12	2.17E-05	9.11E-05	8.20E-06	1.81E-05	6.69E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.23E-07
1396	471156.77	3819086.99	2.21E-05	9.28E-05	8.35E-06	1.84E-05	6.82E-05	6.00E-06	2.09E-06	1.19E-05	1.42E-06	1.90E-06	6.25E-06	4.31E-07
1397	471160.34	3819095.86	2.25E-05	9.44E-05	8.51E-06	1.87E-05	6.94E-05	6.11E-06	2.12E-06	1.22E-05	1.45E-06	1.93E-06	6.37E-06	4.39E-07
1398	471163.91	3819104.73	2.29E-05	9.61E-05	8.65E-06	1.91E-05	7.06E-05	6.21E-06	2.16E-06	1.24E-05	1.48E-06	1.96E-06	6.48E-06	4.47E-07
1399	471167.48	3819113.6	2.33E-05	9.77E-05	8.80E-06	1.94E-05	7.18E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.54E-07
1400	471171.05	3819122.47	2.37E-05	9.93E-05	8.95E-06	1.97E-05	7.30E-05	6.42E-06	2.23E-06	1.28E-05	1.53E-06	2.03E-06	6.70E-06	4.62E-07
1401	471174.62	3819131.34	2.40E-05	1.01E-04	9.09E-06	2.00E-05	7.42E-05	6.52E-06	2.27E-06	1.30E-05	1.55E-06	2.06E-06	6.80E-06	4.69E-07
1402	471185.33	3819157.94	2.51E-05	1.05E-04	9.49E-06	2.09E-05	7.75E-05	6.81E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.90E-07
1403	471188.9	3819166.81	2.54E-05	1.07E-04	9.62E-06	2.12E-05	7.85E-05	6.90E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.20E-06	4.96E-07
1404	471192.47	3819175.68	2.58E-05	1.08E-04	9.74E-06	2.15E-05	7.95E-05	6.99E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.29E-06	5.03E-07
1405	471196.04	3819184.55	2.61E-05	1.09E-04	9.86E-06	2.17E-05	8.04E-05	7.08E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.38E-06	5.09E-07
1406	471199.61	3819193.42	2.64E-05	1.11E-04	9.97E-06	2.20E-05	8.14E-05	7.16E-06	2.49E-06	1.43E-05	1.70E-06	2.26E-06	7.46E-06	5.14E-07
1407	471203.18	3819202.29	2.66E-05	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
1408	471206.75	3819211.15	2.69E-05	1.13E-04	1.02E-05	2.24E-05	8.30E-05	7.30E-06	2.54E-06	1.45E-05	1.74E-06	2.31E-06	7.62E-06	5.25E-07
1409	471210.32	3819220.02	2.72E-05	1.14E-04	1.03E-05	2.26E-05	8.38E-05	7.37E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.69E-06	5.30E-07
1410	471213.89	3819228.89	2.74E-05	1.15E-04	1.04E-05	2.28E-05	8.45E-05	7.44E-06	2.59E-06	1.48E-05	1.77E-06	2.35E-06	7.75E-06	5.35E-07
1411	471217.46	3819237.76	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.52E-05	7.50E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.82E-06	5.39E-07
1412	470284.78	3818298.53	1.61E-05	6.75E-05	6.08E-06	1.34E-05	4.96E-05	4.36E-06	1.52E-06	8.69E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
1413	470275.22	3818298.39	1.63E-05	6.84E-05	6.16E-06	1.36E-05	5.03E-05	4.42E-06	1.54E-06	8.81E-06	1.05E-06	1.40E-06	4.61E-06	3.18E-07
1414	470265.65	3818298.26	1.65E-05	6.93E-05	6.24E-06	1.37E-05	5.09E-05	4.48E-06	1.56E-06	8.92E-06	1.06E-06	1.42E-06	4.67E-06	3.22E-07
1415	470256.09	3818298.12	1.67E-05	7.01E-05	6.32E-06	1.39E-05	5.15E-05	4.53E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07

1416	470246.53	3818297.99	1.69E-05	7.09E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
1417	470236.97	3818297.85	1.70E-05	7.16E-05	6.44E-06	1.42E-05	5.26E-05	4.63E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
1418	470227.4	3818297.72	1.72E-05	7.22E-05	6.50E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.29E-06	1.11E-06	1.48E-06	4.87E-06	3.35E-07
1419	470217.84	3818297.58	1.73E-05	7.28E-05	6.56E-06	1.44E-05	5.35E-05	4.71E-06	1.64E-06	9.38E-06	1.12E-06	1.49E-06	4.91E-06	3.38E-07
1420	470208.28	3818297.45	1.75E-05	7.35E-05	6.62E-06	1.46E-05	5.40E-05	4.75E-06	1.65E-06	9.46E-06	1.13E-06	1.50E-06	4.95E-06	3.41E-07
1421	470198.72	3818297.31	1.76E-05	7.40E-05	6.66E-06	1.47E-05	5.43E-05	4.78E-06	1.66E-06	9.52E-06	1.14E-06	1.51E-06	4.99E-06	3.44E-07
1422	470189.16	3818297.18	1.77E-05	7.43E-05	6.70E-06	1.47E-05	5.46E-05	4.81E-06	1.67E-06	9.57E-06	1.14E-06	1.52E-06	5.01E-06	3.45E-07
1423	470179.59	3818297.04	1.78E-05	7.47E-05	6.72E-06	1.48E-05	5.49E-05	4.83E-06	1.68E-06	9.61E-06	1.15E-06	1.53E-06	5.03E-06	3.47E-07
1424	470170.03	3818296.91	1.78E-05	7.49E-05	6.75E-06	1.49E-05	5.50E-05	4.84E-06	1.68E-06	9.64E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
1425	470160.47	3818296.77	1.84E-05	7.72E-05	6.95E-06	1.53E-05	5.67E-05	4.99E-06	1.74E-06	9.93E-06	1.19E-06	1.58E-06	5.20E-06	3.59E-07
1426	470150.91	3818296.64	1.84E-05	7.74E-05	6.97E-06	1.54E-05	5.69E-05	5.01E-06	1.74E-06	9.97E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
1427	470141.34	3818296.5	1.85E-05	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.01E-06	1.74E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.60E-07
1428	470131.78	3818296.37	1.85E-05	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.02E-06	1.75E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.61E-07
1429	470122.22	3818296.23	1.85E-05	7.75E-05	6.98E-06	1.54E-05	5.70E-05	5.01E-06	1.74E-06	9.98E-06	1.19E-06	1.58E-06	5.23E-06	3.60E-07
1430	470757.59	3818417.02	8.02E-06	3.37E-05	3.03E-06	6.68E-06	2.48E-05	2.18E-06	7.58E-07	4.34E-06	5.18E-07	6.89E-07	2.27E-06	1.57E-07
1431	470766.31	3818420.76	7.92E-06	3.33E-05	3.00E-06	6.60E-06	2.44E-05	2.15E-06	7.48E-07	4.28E-06	5.11E-07	6.80E-07	2.24E-06	1.55E-07
1432	470775.03	3818424.5	7.82E-06	3.28E-05	2.96E-06	6.52E-06	2.41E-05	2.12E-06	7.39E-07	4.23E-06	5.05E-07	6.71E-07	2.21E-06	1.53E-07
1433	470783.75	3818428.25	7.72E-06	3.24E-05	2.92E-06	6.43E-06	2.38E-05	2.10E-06	7.29E-07	4.17E-06	4.98E-07	6.63E-07	2.19E-06	1.51E-07
1434	470792.47	3818431.99	7.62E-06	3.20E-05	2.88E-06	6.35E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.91E-07	6.54E-07	2.16E-06	1.49E-07
1435	470801.19	3818435.73	7.52E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.10E-07	4.07E-06	4.85E-07	6.46E-07	2.13E-06	1.47E-07
1436	470809.91	3818439.47	7.43E-06	3.12E-05	2.81E-06	6.19E-06	2.29E-05	2.02E-06	7.01E-07	4.02E-06	4.79E-07	6.38E-07	2.10E-06	1.45E-07
1437	470818.63	3818443.22	7.34E-06	3.08E-05	2.77E-06	6.11E-06	2.26E-05	1.99E-06	6.93E-07	3.97E-06	4.73E-07	6.30E-07	2.08E-06	1.43E-07
1438	470827.35	3818446.96	7.24E-06	3.04E-05	2.74E-06	6.03E-06	2.24E-05	1.97E-06	6.84E-07	3.92E-06	4.67E-07	6.22E-07	2.05E-06	1.41E-07
1439	470836.07	3818450.7	7.15E-06	3.00E-05	2.71E-06	5.96E-06	2.21E-05	1.94E-06	6.75E-07	3.87E-06	4.61E-07	6.14E-07	2.02E-06	1.40E-07
1440	470844.79	3818454.44	7.07E-06	2.97E-05	2.67E-06	5.89E-06	2.18E-05	1.92E-06	6.67E-07	3.82E-06	4.56E-07	6.07E-07	2.00E-06	1.38E-07
1441	470853.51	3818458.19	6.98E-06	2.93E-05	2.64E-06	5.81E-06	2.15E-05	1.89E-06	6.59E-07	3.77E-06	4.50E-07	5.99E-07	1.98E-06	1.36E-07
1442	470862.23	3818461.93	6.90E-06	2.90E-05	2.61E-06	5.75E-06	2.13E-05	1.87E-06	6.51E-07	3.73E-06	4.45E-07	5.92E-07	1.95E-06	1.35E-07
1443	470870.95	3818465.67	6.82E-06	2.86E-05	2.58E-06	5.68E-06	2.10E-05	1.85E-06	6.44E-07	3.69E-06	4.40E-07	5.85E-07	1.93E-06	1.33E-07
1444	470914.54	3818484.38	6.46E-06	2.71E-05	2.44E-06	5.38E-06	1.99E-05	1.75E-06	6.10E-07	3.49E-06	4.17E-07	5.55E-07	1.83E-06	1.26E-07
1445	470923.26	3818488.13	6.40E-06	2.69E-05	2.42E-06	5.33E-06	1.97E-05	1.74E-06	6.04E-07	3.46E-06	4.13E-07	5.49E-07	1.81E-06	1.25E-07
1446	470931.98	3818491.87	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.99E-07	3.43E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
1447	470940.7	3818495.61	6.29E-06	2.64E-05	2.38E-06	5.24E-06	1.94E-05	1.71E-06	5.94E-07	3.40E-06	4.06E-07	5.40E-07	1.78E-06	1.23E-07
1448	470949.42	3818499.35	6.23E-06	2.62E-05	2.36E-06	5.19E-06	1.92E-05	1.69E-06	5.89E-07	3.37E-06	4.02E-07	5.35E-07	1.76E-06	1.22E-07
1449	470958.14	3818503.1	6.19E-06	2.60E-05	2.34E-06	5.15E-06	1.91E-05	1.68E-06	5.84E-07	3.34E-06	3.99E-07	5.31E-07	1.75E-06	1.21E-07
1450	470966.86	3818506.84	6.14E-06	2.58E-05	2.32E-06	5.11E-06	1.89E-05	1.67E-06	5.80E-07	3.32E-06	3.96E-07	5.27E-07	1.74E-06	1.20E-07
1451	470975.58	3818510.58	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.66E-06	5.76E-07	3.30E-06	3.93E-07	5.24E-07	1.73E-06	1.19E-07
1452	470984.3	3818514.32	6.06E-06	2.55E-05	2.29E-06	5.05E-06	1.87E-05	1.65E-06	5.72E-07	3.28E-06	3.91E-07	5.20E-07	1.72E-06	1.18E-07
1453	470993.02	3818518.07	6.02E-06	2.53E-05	2.28E-06	5.02E-06	1.86E-05	1.63E-06	5.69E-07	3.26E-06	3.88E-07	5.17E-07	1.70E-06	1.18E-07
1454	471001.74	3818521.81	5.99E-06	2.52E-05	2.27E-06	4.99E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
1455	471014	3818534.35	6.02E-06	2.53E-05	2.28E-06	5.02E-06	1.86E-05	1.63E-06	5.69E-07	3.26E-06	3.88E-07	5.17E-07	1.70E-06	1.18E-07
1456	471017.54	3818543.15	6.09E-06	2.56E-05	2.30E-06	5.07E-06	1.88E-05	1.65E-06	5.75E-07	3.29E-06	3.93E-07	5.23E-07	1.72E-06	1.19E-07
1457	471021.09	3818551.96	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.81E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
1458	471024.63	3818560.76	6.23E-06	2.62E-05	2.36E-06	5.19E-06	1.92E-05	1.69E-06	5.88E-07	3.37E-06	4.02E-07	5.35E-07	1.76E-06	1.22E-07

1459	471028.17	3818569.56	6.31E-06	2.65E-05	2.39E-06	5.26E-06	1.95E-05	1.71E-06	5.96E-07	3.41E-06	4.07E-07	5.42E-07	1.79E-06	1.23E-07
1460	471031.72	3818578.36	6.39E-06	2.68E-05	2.42E-06	5.33E-06	1.97E-05	1.74E-06	6.04E-07	3.46E-06	4.12E-07	5.49E-07	1.81E-06	1.25E-07
1461	471035.26	3818587.16	6.48E-06	2.72E-05	2.45E-06	5.40E-06	2.00E-05	1.76E-06	6.12E-07	3.50E-06	4.18E-07	5.56E-07	1.83E-06	1.26E-07
1462	471038.8	3818595.97	6.57E-06	2.76E-05	2.48E-06	5.47E-06	2.03E-05	1.78E-06	6.20E-07	3.55E-06	4.24E-07	5.64E-07	1.86E-06	1.28E-07
1463	471042.35	3818604.77	6.66E-06	2.80E-05	2.52E-06	5.55E-06	2.06E-05	1.81E-06	6.29E-07	3.60E-06	4.30E-07	5.72E-07	1.89E-06	1.30E-07
1464	471045.89	3818613.57	6.76E-06	2.84E-05	2.56E-06	5.63E-06	2.09E-05	1.84E-06	6.39E-07	3.66E-06	4.36E-07	5.81E-07	1.91E-06	1.32E-07
1465	471049.44	3818622.37	6.87E-06	2.88E-05	2.60E-06	5.72E-06	2.12E-05	1.86E-06	6.49E-07	3.71E-06	4.43E-07	5.90E-07	1.94E-06	1.34E-07
1466	471052.98	3818631.17	6.98E-06	2.93E-05	2.64E-06	5.81E-06	2.15E-05	1.89E-06	6.59E-07	3.77E-06	4.50E-07	5.99E-07	1.97E-06	1.36E-07
1467	471056.52	3818639.98	7.09E-06	2.98E-05	2.68E-06	5.91E-06	2.19E-05	1.92E-06	6.70E-07	3.83E-06	4.57E-07	6.09E-07	2.01E-06	1.38E-07
1468	471060.07	3818648.78	7.21E-06	3.03E-05	2.73E-06	6.01E-06	2.23E-05	1.96E-06	6.81E-07	3.90E-06	4.65E-07	6.19E-07	2.04E-06	1.41E-07
1469	471063.61	3818657.58	7.33E-06	3.08E-05	2.77E-06	6.11E-06	2.26E-05	1.99E-06	6.92E-07	3.96E-06	4.73E-07	6.29E-07	2.08E-06	1.43E-07
1470	471067.15	3818666.38	7.46E-06	3.13E-05	2.82E-06	6.21E-06	2.30E-05	2.03E-06	7.05E-07	4.03E-06	4.81E-07	6.41E-07	2.11E-06	1.46E-07
1471	471070.7	3818675.18	7.60E-06	3.19E-05	2.87E-06	6.33E-06	2.34E-05	2.06E-06	7.17E-07	4.11E-06	4.90E-07	6.52E-07	2.15E-06	1.48E-07
1472	471074.24	3818683.99	7.74E-06	3.25E-05	2.93E-06	6.44E-06	2.39E-05	2.10E-06	7.30E-07	4.18E-06	4.99E-07	6.64E-07	2.19E-06	1.51E-07
1473	471077.78	3818692.79	7.88E-06	3.31E-05	2.98E-06	6.56E-06	2.43E-05	2.14E-06	7.44E-07	4.26E-06	5.08E-07	6.76E-07	2.23E-06	1.54E-07
1474	471081.33	3818701.59	8.03E-06	3.37E-05	3.04E-06	6.69E-06	2.48E-05	2.18E-06	7.58E-07	4.34E-06	5.18E-07	6.89E-07	2.27E-06	1.57E-07
1475	471084.87	3818710.39	8.18E-06	3.44E-05	3.09E-06	6.82E-06	2.53E-05	2.22E-06	7.73E-07	4.42E-06	5.28E-07	7.02E-07	2.32E-06	1.60E-07
1476	471088.42	3818719.19	8.34E-06	3.50E-05	3.15E-06	6.95E-06	2.57E-05	2.26E-06	7.88E-07	4.51E-06	5.38E-07	7.16E-07	2.36E-06	1.63E-07
1477	471091.96	3818728	8.51E-06	3.57E-05	3.22E-06	7.08E-06	2.62E-05	2.31E-06	8.03E-07	4.60E-06	5.49E-07	7.30E-07	2.41E-06	1.66E-07
1478	471095.5	3818736.8	8.68E-06	3.64E-05	3.28E-06	7.23E-06	2.68E-05	2.36E-06	8.20E-07	4.69E-06	5.60E-07	7.45E-07	2.46E-06	1.69E-07
1479	471099.05	3818745.6	8.85E-06	3.72E-05	3.35E-06	7.37E-06	2.73E-05	2.40E-06	8.36E-07	4.79E-06	5.71E-07	7.60E-07	2.51E-06	1.73E-07
1480	471102.59	3818754.4	9.03E-06	3.79E-05	3.41E-06	7.52E-06	2.79E-05	2.45E-06	8.53E-07	4.88E-06	5.82E-07	7.75E-07	2.56E-06	1.76E-07
1481	471106.13	3818763.2	9.22E-06	3.87E-05	3.49E-06	7.68E-06	2.84E-05	2.50E-06	8.70E-07	4.98E-06	5.95E-07	7.91E-07	2.61E-06	1.80E-07
1482	471109.68	3818772.01	9.41E-06	3.95E-05	3.56E-06	7.84E-06	2.90E-05	2.55E-06	8.89E-07	5.09E-06	6.07E-07	8.08E-07	2.66E-06	1.84E-07
1483	471113.22	3818780.81	9.60E-06	4.03E-05	3.63E-06	8.00E-06	2.96E-05	2.61E-06	9.07E-07	5.19E-06	6.19E-07	8.24E-07	2.72E-06	1.87E-07
1484	471138.03	3818842.42	1.11E-05	4.67E-05	4.21E-06	9.27E-06	3.44E-05	3.02E-06	1.05E-06	6.02E-06	7.18E-07	9.56E-07	3.15E-06	2.17E-07
1485	471141.57	3818851.22	1.14E-05	4.78E-05	4.30E-06	9.47E-06	3.51E-05	3.09E-06	1.07E-06	6.15E-06	7.34E-07	9.76E-07	3.22E-06	2.22E-07
1486	471145.11	3818860.03	1.16E-05	4.88E-05	4.40E-06	9.68E-06	3.59E-05	3.15E-06	1.10E-06	6.28E-06	7.50E-07	9.98E-07	3.29E-06	2.27E-07
1487	471148.66	3818868.83	1.19E-05	4.99E-05	4.49E-06	9.89E-06	3.66E-05	3.22E-06	1.12E-06	6.42E-06	7.66E-07	1.02E-06	3.36E-06	2.32E-07
1488	471152.2	3818877.63	1.21E-05	5.09E-05	4.59E-06	1.01E-05	3.74E-05	3.29E-06	1.15E-06	6.56E-06	7.82E-07	1.04E-06	3.43E-06	2.37E-07
1489	471155.74	3818886.43	1.24E-05	5.20E-05	4.69E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.70E-06	7.99E-07	1.06E-06	3.51E-06	2.42E-07
1490	471159.29	3818895.23	1.27E-05	5.32E-05	4.79E-06	1.05E-05	3.91E-05	3.44E-06	1.20E-06	6.84E-06	8.16E-07	1.09E-06	3.58E-06	2.47E-07
1491	471162.83	3818904.04	1.29E-05	5.43E-05	4.89E-06	1.08E-05	3.99E-05	3.51E-06	1.22E-06	6.99E-06	8.34E-07	1.11E-06	3.66E-06	2.52E-07
1492	471166.37	3818912.84	1.32E-05	5.55E-05	5.00E-06	1.10E-05	4.08E-05	3.59E-06	1.25E-06	7.15E-06	8.53E-07	1.13E-06	3.74E-06	2.58E-07
1493	471169.92	3818921.64	1.35E-05	5.67E-05	5.11E-06	1.13E-05	4.17E-05	3.67E-06	1.28E-06	7.30E-06	8.71E-07	1.16E-06	3.82E-06	2.64E-07
1494	471173.46	3818930.44	1.38E-05	5.80E-05	5.22E-06	1.15E-05	4.26E-05	3.75E-06	1.30E-06	7.46E-06	8.90E-07	1.18E-06	3.91E-06	2.69E-07
1495	471180.55	3818948.05	1.44E-05	6.05E-05	5.45E-06	1.20E-05	4.44E-05	3.91E-06	1.36E-06	7.79E-06	9.29E-07	1.24E-06	4.08E-06	2.81E-07
1496	471184.09	3818956.85	1.47E-05	6.18E-05	5.56E-06	1.22E-05	4.54E-05	3.99E-06	1.39E-06	7.95E-06	9.49E-07	1.26E-06	4.16E-06	2.87E-07
1497	471187.64	3818965.65	1.50E-05	6.31E-05	5.68E-06	1.25E-05	4.64E-05	4.08E-06	1.42E-06	8.12E-06	9.69E-07	1.29E-06	4.25E-06	2.93E-07
1498	471191.18	3818974.45	1.53E-05	6.44E-05	5.80E-06	1.28E-05	4.73E-05	4.16E-06	1.45E-06	8.29E-06	9.90E-07	1.32E-06	4.34E-06	2.99E-07
1499	471194.72	3818983.26	1.57E-05	6.58E-05	5.92E-06	1.30E-05	4.83E-05	4.25E-06	1.48E-06	8.47E-06	1.01E-06	1.34E-06	4.43E-06	3.06E-07
1500	471198.27	3818992.06	1.60E-05	6.72E-05	6.05E-06	1.33E-05	4.93E-05	4.34E-06	1.51E-06	8.64E-06	1.03E-06	1.37E-06	4.53E-06	3.12E-07
1501	471201.81	3819000.86	1.63E-05	6.85E-05	6.17E-06	1.36E-05	5.04E-05	4.43E-06	1.54E-06	8.82E-06	1.05E-06	1.40E-06	4.62E-06	3.18E-07

1502	471205.35	3819009.66	1.66E-05	6.99E-05	6.30E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.00E-06	1.07E-06	1.43E-06	4.71E-06	3.25E-07
1503	471208.9	3819018.46	1.70E-05	7.13E-05	6.42E-06	1.41E-05	5.24E-05	4.61E-06	1.60E-06	9.18E-06	1.10E-06	1.46E-06	4.81E-06	3.31E-07
1504	471212.44	3819027.27	1.73E-05	7.27E-05	6.55E-06	1.44E-05	5.34E-05	4.70E-06	1.64E-06	9.36E-06	1.12E-06	1.49E-06	4.90E-06	3.38E-07
1505	471215.99	3819036.07	1.77E-05	7.41E-05	6.68E-06	1.47E-05	5.45E-05	4.79E-06	1.67E-06	9.54E-06	1.14E-06	1.52E-06	5.00E-06	3.44E-07
1506	471219.53	3819044.87	1.80E-05	7.55E-05	6.80E-06	1.50E-05	5.55E-05	4.88E-06	1.70E-06	9.72E-06	1.16E-06	1.54E-06	5.09E-06	3.51E-07
1507	471223.07	3819053.67	1.83E-05	7.69E-05	6.93E-06	1.53E-05	5.65E-05	4.97E-06	1.73E-06	9.90E-06	1.18E-06	1.57E-06	5.18E-06	3.57E-07
1508	471226.62	3819062.47	1.86E-05	7.83E-05	7.05E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.28E-06	3.64E-07
1509	471230.16	3819071.28	1.90E-05	7.97E-05	7.17E-06	1.58E-05	5.85E-05	5.15E-06	1.79E-06	1.03E-05	1.22E-06	1.63E-06	5.37E-06	3.70E-07
1510	471233.7	3819080.08	1.93E-05	8.10E-05	7.30E-06	1.61E-05	5.95E-05	5.24E-06	1.82E-06	1.04E-05	1.24E-06	1.66E-06	5.46E-06	3.76E-07
1511	471237.25	3819088.88	1.96E-05	8.24E-05	7.42E-06	1.63E-05	6.05E-05	5.33E-06	1.85E-06	1.06E-05	1.27E-06	1.68E-06	5.55E-06	3.83E-07
1512	471240.79	3819097.68	1.99E-05	8.37E-05	7.54E-06	1.66E-05	6.15E-05	5.41E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.64E-06	3.89E-07
1513	471244.33	3819106.48	2.02E-05	8.50E-05	7.66E-06	1.69E-05	6.25E-05	5.50E-06	1.91E-06	1.09E-05	1.31E-06	1.74E-06	5.73E-06	3.95E-07
1514	471247.88	3819115.29	2.05E-05	8.63E-05	7.77E-06	1.71E-05	6.34E-05	5.58E-06	1.94E-06	1.11E-05	1.33E-06	1.76E-06	5.82E-06	4.01E-07
1515	471251.42	3819124.09	2.08E-05	8.76E-05	7.88E-06	1.74E-05	6.43E-05	5.66E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.90E-06	4.07E-07
1516	471262.05	3819150.49	2.17E-05	9.12E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.24E-07
1517	471265.6	3819159.3	2.20E-05	9.23E-05	8.31E-06	1.83E-05	6.78E-05	5.97E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.22E-06	4.29E-07
1518	471269.14	3819168.1	2.22E-05	9.34E-05	8.41E-06	1.85E-05	6.86E-05	6.04E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.29E-06	4.34E-07
1519	471272.68	3819176.9	2.25E-05	9.44E-05	8.50E-06	1.87E-05	6.94E-05	6.10E-06	2.12E-06	1.22E-05	1.45E-06	1.93E-06	6.36E-06	4.39E-07
1520	471276.23	3819185.7	2.27E-05	9.54E-05	8.59E-06	1.89E-05	7.01E-05	6.17E-06	2.15E-06	1.23E-05	1.47E-06	1.95E-06	6.43E-06	4.43E-07
1521	471279.77	3819194.5	2.30E-05	9.64E-05	8.68E-06	1.91E-05	7.08E-05	6.23E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.50E-06	4.48E-07
1522	471283.31	3819203.31	2.32E-05	9.73E-05	8.76E-06	1.93E-05	7.15E-05	6.29E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.56E-06	4.52E-07
1523	471286.86	3819212.11	2.34E-05	9.81E-05	8.84E-06	1.95E-05	7.21E-05	6.34E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.56E-07
1524	471290.4	3819220.91	2.36E-05	9.90E-05	8.91E-06	1.96E-05	7.27E-05	6.40E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.67E-06	4.60E-07
1525	471293.95	3819229.71	2.37E-05	9.97E-05	8.98E-06	1.98E-05	7.33E-05	6.44E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.72E-06	4.63E-07
1526	470266.78	3818218.27	1.42E-05	5.97E-05	5.38E-06	1.18E-05	4.39E-05	3.86E-06	1.34E-06	7.69E-06	9.17E-07	1.22E-06	4.03E-06	2.77E-07
1527	470257.22	3818218.13	1.44E-05	6.04E-05	5.44E-06	1.20E-05	4.44E-05	3.91E-06	1.36E-06	7.78E-06	9.28E-07	1.24E-06	4.07E-06	2.81E-07
1528	470247.66	3818218	1.45E-05	6.11E-05	5.50E-06	1.21E-05	4.49E-05	3.95E-06	1.37E-06	7.86E-06	9.38E-07	1.25E-06	4.12E-06	2.84E-07
1529	470238.1	3818217.86	1.47E-05	6.17E-05	5.56E-06	1.22E-05	4.54E-05	3.99E-06	1.39E-06	7.94E-06	9.48E-07	1.26E-06	4.16E-06	2.87E-07
1530	470228.53	3818217.73	1.48E-05	6.23E-05	5.61E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.02E-06	9.57E-07	1.27E-06	4.20E-06	2.89E-07
1531	470218.97	3818217.59	1.50E-05	6.28E-05	5.66E-06	1.25E-05	4.62E-05	4.06E-06	1.41E-06	8.09E-06	9.65E-07	1.28E-06	4.23E-06	2.92E-07
1532	470209.41	3818217.46	1.51E-05	6.33E-05	5.70E-06	1.26E-05	4.65E-05	4.09E-06	1.42E-06	8.15E-06	9.72E-07	1.29E-06	4.26E-06	2.94E-07
1533	470199.85	3818217.32	1.52E-05	6.37E-05	5.74E-06	1.26E-05	4.68E-05	4.12E-06	1.43E-06	8.20E-06	9.78E-07	1.30E-06	4.29E-06	2.96E-07
1534	470190.28	3818217.19	1.52E-05	6.40E-05	5.77E-06	1.27E-05	4.70E-05	4.14E-06	1.44E-06	8.24E-06	9.83E-07	1.31E-06	4.32E-06	2.97E-07
1535	470180.72	3818217.05	1.53E-05	6.43E-05	5.79E-06	1.28E-05	4.73E-05	4.16E-06	1.45E-06	8.28E-06	9.88E-07	1.31E-06	4.33E-06	2.99E-07
1536	470171.16	3818216.92	1.54E-05	6.45E-05	5.81E-06	1.28E-05	4.74E-05	4.17E-06	1.45E-06	8.31E-06	9.91E-07	1.32E-06	4.35E-06	3.00E-07
1537	470161.6	3818216.78	1.54E-05	6.47E-05	5.83E-06	1.28E-05	4.75E-05	4.18E-06	1.45E-06	8.33E-06	9.94E-07	1.32E-06	4.36E-06	3.01E-07
1538	470152.04	3818216.65	1.54E-05	6.48E-05	5.84E-06	1.29E-05	4.76E-05	4.19E-06	1.46E-06	8.34E-06	9.95E-07	1.32E-06	4.37E-06	3.01E-07
1539	470142.47	3818216.51	1.59E-05	6.67E-05	6.01E-06	1.32E-05	4.90E-05	4.31E-06	1.50E-06	8.59E-06	1.03E-06	1.36E-06	4.50E-06	3.10E-07
1540	470132.91	3818216.38	1.59E-05	6.68E-05	6.02E-06	1.33E-05	4.91E-05	4.32E-06	1.50E-06	8.60E-06	1.03E-06	1.37E-06	4.50E-06	3.10E-07
1541	470123.35	3818216.24	1.59E-05	6.68E-05	6.02E-06	1.33E-05	4.91E-05	4.32E-06	1.50E-06	8.60E-06	1.03E-06	1.37E-06	4.50E-06	3.10E-07
1542	470471.84	3818213.89	1.00E-05	4.21E-05	3.80E-06	8.36E-06	3.10E-05	2.72E-06	9.48E-07	5.42E-06	6.47E-07	8.61E-07	2.84E-06	1.96E-07
1543	470480.6	3818217.66	9.95E-06	4.18E-05	3.76E-06	8.29E-06	3.07E-05	2.70E-06	9.39E-07	5.38E-06	6.42E-07	8.54E-07	2.82E-06	1.94E-07
1544	470489.36	3818221.42	9.87E-06	4.14E-05	3.73E-06	8.22E-06	3.04E-05	2.68E-06	9.32E-07	5.33E-06	6.36E-07	8.47E-07	2.79E-06	1.93E-07

1545	470498.13	3818225.18	9.78E-06	4.11E-05	3.70E-06	8.15E-06	3.02E-05	2.65E-06	9.24E-07	5.29E-06	6.31E-07	8.40E-07	2.77E-06	1.91E-07
1546	470506.89	3818228.94	9.69E-06	4.07E-05	3.66E-06	8.07E-06	2.99E-05	2.63E-06	9.15E-07	5.24E-06	6.25E-07	8.32E-07	2.74E-06	1.89E-07
1547	470515.65	3818232.7	9.60E-06	4.03E-05	3.63E-06	7.99E-06	2.96E-05	2.61E-06	9.06E-07	5.19E-06	6.19E-07	8.24E-07	2.72E-06	1.87E-07
1548	470524.41	3818236.46	9.51E-06	3.99E-05	3.60E-06	7.92E-06	2.93E-05	2.58E-06	8.98E-07	5.14E-06	6.13E-07	8.16E-07	2.69E-06	1.85E-07
1549	470533.17	3818240.22	9.43E-06	3.96E-05	3.57E-06	7.85E-06	2.91E-05	2.56E-06	8.90E-07	5.10E-06	6.08E-07	8.09E-07	2.67E-06	1.84E-07
1550	470541.94	3818243.98	9.35E-06	3.93E-05	3.53E-06	7.79E-06	2.88E-05	2.54E-06	8.83E-07	5.05E-06	6.03E-07	8.02E-07	2.65E-06	1.82E-07
1551	470550.7	3818247.74	9.26E-06	3.89E-05	3.50E-06	7.71E-06	2.86E-05	2.51E-06	8.74E-07	5.01E-06	5.97E-07	7.95E-07	2.62E-06	1.81E-07
1552	470559.46	3818251.5	9.17E-06	3.85E-05	3.47E-06	7.64E-06	2.83E-05	2.49E-06	8.66E-07	4.96E-06	5.92E-07	7.88E-07	2.60E-06	1.79E-07
1553	470568.22	3818255.26	9.09E-06	3.82E-05	3.44E-06	7.57E-06	2.80E-05	2.47E-06	8.58E-07	4.91E-06	5.86E-07	7.80E-07	2.57E-06	1.77E-07
1554	470576.99	3818259.02	9.01E-06	3.78E-05	3.41E-06	7.50E-06	2.78E-05	2.44E-06	8.50E-07	4.87E-06	5.81E-07	7.73E-07	2.55E-06	1.76E-07
1555	470585.75	3818262.78	8.92E-06	3.75E-05	3.37E-06	7.43E-06	2.75E-05	2.42E-06	8.42E-07	4.82E-06	5.75E-07	7.66E-07	2.52E-06	1.74E-07
1556	470594.51	3818266.55	8.84E-06	3.71E-05	3.34E-06	7.36E-06	2.73E-05	2.40E-06	8.34E-07	4.78E-06	5.70E-07	7.59E-07	2.50E-06	1.72E-07
1557	470603.27	3818270.31	8.75E-06	3.67E-05	3.31E-06	7.29E-06	2.70E-05	2.38E-06	8.26E-07	4.73E-06	5.64E-07	7.51E-07	2.48E-06	1.71E-07
1558	470612.03	3818274.07	8.66E-06	3.64E-05	3.28E-06	7.22E-06	2.67E-05	2.35E-06	8.18E-07	4.68E-06	5.59E-07	7.44E-07	2.45E-06	1.69E-07
1559	470620.8	3818277.83	8.58E-06	3.60E-05	3.25E-06	7.15E-06	2.65E-05	2.33E-06	8.10E-07	4.64E-06	5.54E-07	7.37E-07	2.43E-06	1.67E-07
1560	470629.56	3818281.59	8.50E-06	3.57E-05	3.21E-06	7.08E-06	2.62E-05	2.31E-06	8.03E-07	4.60E-06	5.48E-07	7.30E-07	2.41E-06	1.66E-07
1561	470638.32	3818285.35	8.41E-06	3.53E-05	3.18E-06	7.01E-06	2.60E-05	2.28E-06	7.95E-07	4.55E-06	5.43E-07	7.22E-07	2.38E-06	1.64E-07
1562	470647.08	3818289.11	8.33E-06	3.50E-05	3.15E-06	6.94E-06	2.57E-05	2.26E-06	7.87E-07	4.50E-06	5.37E-07	7.15E-07	2.36E-06	1.63E-07
1563	470655.84	3818292.87	8.25E-06	3.46E-05	3.12E-06	6.87E-06	2.55E-05	2.24E-06	7.79E-07	4.46E-06	5.32E-07	7.08E-07	2.34E-06	1.61E-07
1564	470664.61	3818296.63	8.17E-06	3.43E-05	3.09E-06	6.80E-06	2.52E-05	2.22E-06	7.71E-07	4.42E-06	5.27E-07	7.01E-07	2.31E-06	1.59E-07
1565	470673.37	3818300.39	8.09E-06	3.40E-05	3.06E-06	6.74E-06	2.50E-05	2.20E-06	7.64E-07	4.37E-06	5.22E-07	6.94E-07	2.29E-06	1.58E-07
1566	470682.13	3818304.15	8.00E-06	3.36E-05	3.03E-06	6.66E-06	2.47E-05	2.17E-06	7.55E-07	4.32E-06	5.16E-07	6.87E-07	2.26E-06	1.56E-07
1567	470690.89	3818307.91	7.92E-06	3.33E-05	2.99E-06	6.60E-06	2.44E-05	2.15E-06	7.48E-07	4.28E-06	5.11E-07	6.80E-07	2.24E-06	1.55E-07
1568	470699.65	3818311.67	7.84E-06	3.29E-05	2.96E-06	6.53E-06	2.42E-05	2.13E-06	7.40E-07	4.24E-06	5.05E-07	6.73E-07	2.22E-06	1.53E-07
1569	470708.42	3818315.44	7.75E-06	3.25E-05	2.93E-06	6.46E-06	2.39E-05	2.10E-06	7.32E-07	4.19E-06	5.00E-07	6.65E-07	2.19E-06	1.51E-07
1570	470717.18	3818319.2	7.67E-06	3.22E-05	2.90E-06	6.39E-06	2.37E-05	2.08E-06	7.24E-07	4.15E-06	4.95E-07	6.58E-07	2.17E-06	1.50E-07
1571	470725.94	3818322.96	7.59E-06	3.19E-05	2.87E-06	6.32E-06	2.34E-05	2.06E-06	7.16E-07	4.10E-06	4.89E-07	6.51E-07	2.15E-06	1.48E-07
1572	470734.7	3818326.72	7.50E-06	3.15E-05	2.84E-06	6.25E-06	2.31E-05	2.04E-06	7.08E-07	4.05E-06	4.84E-07	6.44E-07	2.12E-06	1.46E-07
1573	470743.46	3818330.48	7.42E-06	3.12E-05	2.81E-06	6.18E-06	2.29E-05	2.01E-06	7.00E-07	4.01E-06	4.78E-07	6.37E-07	2.10E-06	1.45E-07
1574	470752.23	3818334.24	7.34E-06	3.08E-05	2.77E-06	6.11E-06	2.26E-05	1.99E-06	6.93E-07	3.97E-06	4.73E-07	6.30E-07	2.08E-06	1.43E-07
1575	470760.99	3818338	7.25E-06	3.04E-05	2.74E-06	6.04E-06	2.24E-05	1.97E-06	6.85E-07	3.92E-06	4.68E-07	6.22E-07	2.05E-06	1.41E-07
1576	470769.75	3818341.76	7.17E-06	3.01E-05	2.71E-06	5.97E-06	2.21E-05	1.95E-06	6.77E-07	3.87E-06	4.62E-07	6.15E-07	2.03E-06	1.40E-07
1577	470778.51	3818345.52	7.09E-06	2.98E-05	2.68E-06	5.90E-06	2.19E-05	1.92E-06	6.69E-07	3.83E-06	4.57E-07	6.08E-07	2.01E-06	1.38E-07
1578	470787.28	3818349.28	7.00E-06	2.94E-05	2.65E-06	5.83E-06	2.16E-05	1.90E-06	6.61E-07	3.78E-06	4.51E-07	6.01E-07	1.98E-06	1.37E-07
1579	470796.04	3818353.04	6.92E-06	2.91E-05	2.62E-06	5.76E-06	2.13E-05	1.88E-06	6.53E-07	3.74E-06	4.46E-07	5.94E-07	1.96E-06	1.35E-07
1580	470804.8	3818356.8	6.84E-06	2.87E-05	2.59E-06	5.69E-06	2.11E-05	1.86E-06	6.46E-07	3.70E-06	4.41E-07	5.87E-07	1.93E-06	1.33E-07
1581	470813.56	3818360.56	6.75E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
1582	470822.32	3818364.33	6.67E-06	2.80E-05	2.52E-06	5.55E-06	2.06E-05	1.81E-06	6.30E-07	3.60E-06	4.30E-07	5.72E-07	1.89E-06	1.30E-07
1583	470831.09	3818368.09	6.59E-06	2.77E-05	2.49E-06	5.49E-06	2.03E-05	1.79E-06	6.22E-07	3.56E-06	4.25E-07	5.65E-07	1.86E-06	1.29E-07
1584	470839.85	3818371.85	6.51E-06	2.73E-05	2.46E-06	5.42E-06	2.01E-05	1.77E-06	6.15E-07	3.52E-06	4.20E-07	5.59E-07	1.84E-06	1.27E-07
1585	470848.61	3818375.61	6.43E-06	2.70E-05	2.43E-06	5.35E-06	1.98E-05	1.74E-06	6.07E-07	3.47E-06	4.15E-07	5.52E-07	1.82E-06	1.25E-07
1586	470857.37	3818379.37	6.35E-06	2.67E-05	2.40E-06	5.29E-06	1.96E-05	1.72E-06	6.00E-07	3.43E-06	4.10E-07	5.45E-07	1.80E-06	1.24E-07
1587	470866.13	3818383.13	6.27E-06	2.63E-05	2.37E-06	5.23E-06	1.94E-05	1.70E-06	5.92E-07	3.39E-06	4.05E-07	5.39E-07	1.78E-06	1.22E-07

1588	470874.9	3818386.89	6.20E-06	2.60E-05	2.34E-06	5.16E-06	1.91E-05	1.68E-06	5.85E-07	3.35E-06	4.00E-07	5.32E-07	1.75E-06	1.21E-07
1589	470883.66	3818390.65	6.12E-06	2.57E-05	2.32E-06	5.10E-06	1.89E-05	1.66E-06	5.78E-07	3.31E-06	3.95E-07	5.26E-07	1.73E-06	1.19E-07
1590	470892.42	3818394.41	6.05E-06	2.54E-05	2.29E-06	5.04E-06	1.87E-05	1.64E-06	5.71E-07	3.27E-06	3.90E-07	5.20E-07	1.71E-06	1.18E-07
1591	470901.18	3818398.17	5.98E-06	2.51E-05	2.26E-06	4.98E-06	1.85E-05	1.62E-06	5.65E-07	3.24E-06	3.86E-07	5.14E-07	1.69E-06	1.17E-07
1592	470909.94	3818401.93	5.92E-06	2.48E-05	2.24E-06	4.93E-06	1.83E-05	1.61E-06	5.59E-07	3.20E-06	3.82E-07	5.08E-07	1.67E-06	1.15E-07
1593	470918.71	3818405.69	5.85E-06	2.46E-05	2.21E-06	4.87E-06	1.81E-05	1.59E-06	5.52E-07	3.16E-06	3.77E-07	5.02E-07	1.66E-06	1.14E-07
1594	470927.47	3818409.45	5.79E-06	2.43E-05	2.19E-06	4.82E-06	1.79E-05	1.57E-06	5.46E-07	3.13E-06	3.73E-07	4.97E-07	1.64E-06	1.13E-07
1595	470936.23	3818413.22	5.72E-06	2.40E-05	2.17E-06	4.77E-06	1.77E-05	1.55E-06	5.41E-07	3.09E-06	3.69E-07	4.91E-07	1.62E-06	1.12E-07
1596	470971.28	3818428.26	5.50E-06	2.31E-05	2.08E-06	4.58E-06	1.70E-05	1.49E-06	5.20E-07	2.98E-06	3.55E-07	4.72E-07	1.56E-06	1.07E-07
1597	470980.04	3818432.02	5.46E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.15E-07	2.95E-06	3.52E-07	4.68E-07	1.54E-06	1.06E-07
1598	470988.8	3818435.78	5.41E-06	2.27E-05	2.04E-06	4.50E-06	1.67E-05	1.47E-06	5.11E-07	2.92E-06	3.49E-07	4.64E-07	1.53E-06	1.06E-07
1599	470997.57	3818439.54	5.36E-06	2.25E-05	2.03E-06	4.47E-06	1.66E-05	1.46E-06	5.07E-07	2.90E-06	3.46E-07	4.60E-07	1.52E-06	1.05E-07
1600	471006.33	3818443.3	5.33E-06	2.24E-05	2.01E-06	4.44E-06	1.64E-05	1.45E-06	5.03E-07	2.88E-06	3.43E-07	4.57E-07	1.51E-06	1.04E-07
1601	471015.09	3818447.06	5.29E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.44E-06	4.99E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
1602	471023.85	3818450.82	5.25E-06	2.20E-05	1.98E-06	4.37E-06	1.62E-05	1.42E-06	4.96E-07	2.84E-06	3.39E-07	4.51E-07	1.49E-06	1.02E-07
1603	471032.61	3818454.58	5.21E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.42E-06	4.92E-07	2.82E-06	3.36E-07	4.48E-07	1.48E-06	1.02E-07
1604	471041.38	3818458.34	5.19E-06	2.18E-05	1.96E-06	4.32E-06	1.60E-05	1.41E-06	4.90E-07	2.80E-06	3.34E-07	4.45E-07	1.47E-06	1.01E-07
1605	471050.14	3818462.11	5.16E-06	2.17E-05	1.95E-06	4.30E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.33E-07	4.43E-07	1.46E-06	1.01E-07
1606	471058.9	3818465.87	5.13E-06	2.15E-05	1.94E-06	4.27E-06	1.58E-05	1.39E-06	4.84E-07	2.77E-06	3.31E-07	4.40E-07	1.45E-06	1.00E-07
1607	471071.22	3818478.47	5.15E-06	2.16E-05	1.95E-06	4.29E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.32E-07	4.42E-07	1.46E-06	1.01E-07
1608	471074.78	3818487.32	5.21E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.41E-06	4.92E-07	2.81E-06	3.36E-07	4.47E-07	1.47E-06	1.02E-07
1609	471078.35	3818496.16	5.26E-06	2.21E-05	1.99E-06	4.38E-06	1.62E-05	1.43E-06	4.97E-07	2.85E-06	3.39E-07	4.52E-07	1.49E-06	1.03E-07
1610	471081.91	3818505.01	5.32E-06	2.23E-05	2.01E-06	4.43E-06	1.64E-05	1.44E-06	5.02E-07	2.88E-06	3.43E-07	4.57E-07	1.51E-06	1.04E-07
1611	471085.47	3818513.85	5.38E-06	2.26E-05	2.04E-06	4.48E-06	1.66E-05	1.46E-06	5.08E-07	2.91E-06	3.47E-07	4.62E-07	1.52E-06	1.05E-07
1612	471089.03	3818522.7	5.45E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.14E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
1613	471092.59	3818531.54	5.52E-06	2.32E-05	2.09E-06	4.60E-06	1.70E-05	1.50E-06	5.21E-07	2.98E-06	3.56E-07	4.74E-07	1.56E-06	1.08E-07
1614	471096.15	3818540.39	5.59E-06	2.35E-05	2.11E-06	4.66E-06	1.72E-05	1.52E-06	5.28E-07	3.02E-06	3.61E-07	4.80E-07	1.58E-06	1.09E-07
1615	471099.71	3818549.23	5.66E-06	2.38E-05	2.14E-06	4.72E-06	1.75E-05	1.54E-06	5.35E-07	3.06E-06	3.65E-07	4.86E-07	1.60E-06	1.10E-07
1616	471103.27	3818558.08	5.74E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.42E-07	3.11E-06	3.70E-07	4.93E-07	1.63E-06	1.12E-07
1617	471106.83	3818566.92	5.83E-06	2.45E-05	2.20E-06	4.85E-06	1.80E-05	1.58E-06	5.50E-07	3.15E-06	3.76E-07	5.00E-07	1.65E-06	1.14E-07
1618	471110.39	3818575.77	5.91E-06	2.48E-05	2.24E-06	4.92E-06	1.82E-05	1.60E-06	5.58E-07	3.20E-06	3.81E-07	5.08E-07	1.67E-06	1.15E-07
1619	471113.95	3818584.61	6.00E-06	2.52E-05	2.27E-06	5.00E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
1620	471117.52	3818593.46	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.65E-06	5.76E-07	3.29E-06	3.93E-07	5.23E-07	1.73E-06	1.19E-07
1621	471121.08	3818602.3	6.19E-06	2.60E-05	2.34E-06	5.16E-06	1.91E-05	1.68E-06	5.85E-07	3.35E-06	3.99E-07	5.31E-07	1.75E-06	1.21E-07
1622	471135.32	3818637.69	6.61E-06	2.78E-05	2.50E-06	5.51E-06	2.04E-05	1.80E-06	6.25E-07	3.58E-06	4.27E-07	5.68E-07	1.87E-06	1.29E-07
1623	471138.88	3818646.53	6.73E-06	2.83E-05	2.55E-06	5.61E-06	2.08E-05	1.83E-06	6.36E-07	3.64E-06	4.34E-07	5.78E-07	1.91E-06	1.31E-07
1624	471142.44	3818655.38	6.85E-06	2.88E-05	2.59E-06	5.71E-06	2.11E-05	1.86E-06	6.47E-07	3.70E-06	4.42E-07	5.88E-07	1.94E-06	1.34E-07
1625	471146	3818664.22	6.97E-06	2.93E-05	2.64E-06	5.81E-06	2.15E-05	1.89E-06	6.58E-07	3.77E-06	4.50E-07	5.98E-07	1.97E-06	1.36E-07
1626	471149.56	3818673.07	7.10E-06	2.98E-05	2.68E-06	5.91E-06	2.19E-05	1.93E-06	6.70E-07	3.84E-06	4.58E-07	6.09E-07	2.01E-06	1.38E-07
1627	471153.13	3818681.91	7.23E-06	3.04E-05	2.73E-06	6.02E-06	2.23E-05	1.96E-06	6.83E-07	3.91E-06	4.66E-07	6.21E-07	2.05E-06	1.41E-07
1628	471156.69	3818690.76	7.37E-06	3.09E-05	2.79E-06	6.13E-06	2.27E-05	2.00E-06	6.95E-07	3.98E-06	4.75E-07	6.32E-07	2.08E-06	1.44E-07
1629	471160.25	3818699.6	7.50E-06	3.15E-05	2.84E-06	6.25E-06	2.31E-05	2.04E-06	7.08E-07	4.05E-06	4.84E-07	6.44E-07	2.12E-06	1.46E-07
1630	471163.81	3818708.45	7.64E-06	3.21E-05	2.89E-06	6.37E-06	2.36E-05	2.08E-06	7.22E-07	4.13E-06	4.93E-07	6.56E-07	2.16E-06	1.49E-07

1631	471167.37	3818717.29	7.79E-06	3.27E-05	2.95E-06	6.49E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.69E-07	2.20E-06	1.52E-07
1632	471170.93	3818726.14	7.94E-06	3.34E-05	3.00E-06	6.62E-06	2.45E-05	2.16E-06	7.50E-07	4.29E-06	5.12E-07	6.82E-07	2.25E-06	1.55E-07
1633	471174.49	3818734.98	8.10E-06	3.40E-05	3.06E-06	6.74E-06	2.50E-05	2.20E-06	7.65E-07	4.38E-06	5.22E-07	6.95E-07	2.29E-06	1.58E-07
1634	471178.05	3818743.83	8.25E-06	3.47E-05	3.12E-06	6.88E-06	2.55E-05	2.24E-06	7.80E-07	4.46E-06	5.32E-07	7.09E-07	2.34E-06	1.61E-07
1635	471181.61	3818752.67	8.42E-06	3.54E-05	3.18E-06	7.01E-06	2.60E-05	2.29E-06	7.95E-07	4.55E-06	5.43E-07	7.23E-07	2.38E-06	1.64E-07
1636	471185.17	3818761.52	8.59E-06	3.61E-05	3.25E-06	7.15E-06	2.65E-05	2.33E-06	8.11E-07	4.64E-06	5.54E-07	7.37E-07	2.43E-06	1.68E-07
1637	471188.74	3818770.36	8.76E-06	3.68E-05	3.31E-06	7.29E-06	2.70E-05	2.38E-06	8.27E-07	4.73E-06	5.65E-07	7.52E-07	2.48E-06	1.71E-07
1638	471192.3	3818779.21	8.93E-06	3.75E-05	3.38E-06	7.44E-06	2.76E-05	2.43E-06	8.44E-07	4.83E-06	5.76E-07	7.67E-07	2.53E-06	1.74E-07
1639	471195.86	3818788.05	9.12E-06	3.83E-05	3.45E-06	7.59E-06	2.81E-05	2.47E-06	8.61E-07	4.93E-06	5.88E-07	7.83E-07	2.58E-06	1.78E-07
1640	471199.42	3818796.9	9.30E-06	3.91E-05	3.52E-06	7.75E-06	2.87E-05	2.52E-06	8.78E-07	5.03E-06	6.00E-07	7.98E-07	2.63E-06	1.81E-07
1641	471202.98	3818805.74	9.49E-06	3.98E-05	3.59E-06	7.90E-06	2.93E-05	2.58E-06	8.96E-07	5.13E-06	6.12E-07	8.14E-07	2.69E-06	1.85E-07
1642	471206.54	3818814.59	9.68E-06	4.06E-05	3.66E-06	8.06E-06	2.99E-05	2.63E-06	9.14E-07	5.23E-06	6.24E-07	8.31E-07	2.74E-06	1.89E-07
1643	471210.1	3818823.43	9.88E-06	4.15E-05	3.74E-06	8.23E-06	3.05E-05	2.68E-06	9.33E-07	5.34E-06	6.37E-07	8.48E-07	2.80E-06	1.93E-07
1644	471213.66	3818832.28	1.01E-05	4.23E-05	3.81E-06	8.39E-06	3.11E-05	2.74E-06	9.52E-07	5.45E-06	6.50E-07	8.65E-07	2.85E-06	1.97E-07
1645	471217.22	3818841.12	1.03E-05	4.32E-05	3.89E-06	8.56E-06	3.17E-05	2.79E-06	9.71E-07	5.56E-06	6.63E-07	8.83E-07	2.91E-06	2.01E-07
1646	471220.78	3818849.97	1.05E-05	4.41E-05	3.97E-06	8.74E-06	3.24E-05	2.85E-06	9.91E-07	5.67E-06	6.77E-07	9.01E-07	2.97E-06	2.05E-07
1647	471224.35	3818858.81	1.07E-05	4.50E-05	4.05E-06	8.92E-06	3.30E-05	2.91E-06	1.01E-06	5.79E-06	6.91E-07	9.19E-07	3.03E-06	2.09E-07
1648	471227.91	3818867.66	1.09E-05	4.59E-05	4.13E-06	9.10E-06	3.37E-05	2.97E-06	1.03E-06	5.91E-06	7.05E-07	9.38E-07	3.09E-06	2.13E-07
1649	471231.47	3818876.5	1.12E-05	4.68E-05	4.22E-06	9.29E-06	3.44E-05	3.03E-06	1.05E-06	6.03E-06	7.20E-07	9.58E-07	3.16E-06	2.18E-07
1650	471235.03	3818885.35	1.14E-05	4.78E-05	4.30E-06	9.48E-06	3.51E-05	3.09E-06	1.07E-06	6.15E-06	7.34E-07	9.77E-07	3.22E-06	2.22E-07
1651	471238.59	3818894.2	1.16E-05	4.88E-05	4.39E-06	9.68E-06	3.58E-05	3.15E-06	1.10E-06	6.28E-06	7.49E-07	9.97E-07	3.29E-06	2.27E-07
1652	471242.15	3818903.04	1.19E-05	4.98E-05	4.48E-06	9.88E-06	3.66E-05	3.22E-06	1.12E-06	6.41E-06	7.65E-07	1.02E-06	3.36E-06	2.31E-07
1653	471245.71	3818911.89	1.21E-05	5.08E-05	4.58E-06	1.01E-05	3.73E-05	3.29E-06	1.14E-06	6.54E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
1654	471249.27	3818920.73	1.23E-05	5.19E-05	4.67E-06	1.03E-05	3.81E-05	3.35E-06	1.17E-06	6.68E-06	7.97E-07	1.06E-06	3.50E-06	2.41E-07
1655	471252.83	3818929.58	1.26E-05	5.29E-05	4.77E-06	1.05E-05	3.89E-05	3.42E-06	1.19E-06	6.81E-06	8.13E-07	1.08E-06	3.57E-06	2.46E-07
1656	471263.52	3818956.11	1.34E-05	5.62E-05	5.06E-06	1.11E-05	4.13E-05	3.63E-06	1.26E-06	7.23E-06	8.63E-07	1.15E-06	3.79E-06	2.61E-07
1657	471267.08	3818964.96	1.37E-05	5.73E-05	5.16E-06	1.14E-05	4.21E-05	3.71E-06	1.29E-06	7.38E-06	8.81E-07	1.17E-06	3.86E-06	2.66E-07
1658	471270.64	3818973.8	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.31E-06	7.53E-06	8.98E-07	1.20E-06	3.94E-06	2.72E-07
1659	471274.2	3818982.65	1.42E-05	5.96E-05	5.37E-06	1.18E-05	4.38E-05	3.85E-06	1.34E-06	7.67E-06	9.16E-07	1.22E-06	4.02E-06	2.77E-07
1660	471277.76	3818991.49	1.45E-05	6.08E-05	5.47E-06	1.21E-05	4.47E-05	3.93E-06	1.37E-06	7.82E-06	9.33E-07	1.24E-06	4.10E-06	2.82E-07
1661	471281.32	3819000.34	1.47E-05	6.19E-05	5.58E-06	1.23E-05	4.55E-05	4.00E-06	1.39E-06	7.97E-06	9.51E-07	1.27E-06	4.17E-06	2.88E-07
1662	471284.88	3819009.18	1.50E-05	6.31E-05	5.68E-06	1.25E-05	4.64E-05	4.08E-06	1.42E-06	8.12E-06	9.69E-07	1.29E-06	4.25E-06	2.93E-07
1663	471288.44	3819018.03	1.53E-05	6.42E-05	5.79E-06	1.27E-05	4.72E-05	4.15E-06	1.44E-06	8.27E-06	9.87E-07	1.31E-06	4.33E-06	2.98E-07
1664	471313.37	3819079.94	1.72E-05	7.23E-05	6.51E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.30E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
1665	471316.93	3819088.79	1.75E-05	7.34E-05	6.61E-06	1.45E-05	5.39E-05	4.74E-06	1.65E-06	9.44E-06	1.13E-06	1.50E-06	4.94E-06	3.41E-07
1666	471320.49	3819097.63	1.77E-05	7.44E-05	6.70E-06	1.48E-05	5.47E-05	4.81E-06	1.67E-06	9.58E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
1667	471324.05	3819106.48	1.80E-05	7.55E-05	6.80E-06	1.50E-05	5.55E-05	4.88E-06	1.70E-06	9.72E-06	1.16E-06	1.54E-06	5.09E-06	3.51E-07
1668	471327.61	3819115.32	1.82E-05	7.65E-05	6.89E-06	1.52E-05	5.62E-05	4.95E-06	1.72E-06	9.85E-06	1.18E-06	1.56E-06	5.16E-06	3.55E-07
1669	471331.18	3819124.17	1.85E-05	7.75E-05	6.98E-06	1.54E-05	5.70E-05	5.01E-06	1.74E-06	9.98E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
1670	471334.74	3819133.01	1.87E-05	7.85E-05	7.07E-06	1.56E-05	5.77E-05	5.07E-06	1.77E-06	1.01E-05	1.21E-06	1.60E-06	5.29E-06	3.65E-07
1671	471341.86	3819150.7	1.91E-05	8.04E-05	7.24E-06	1.59E-05	5.91E-05	5.20E-06	1.81E-06	1.04E-05	1.23E-06	1.64E-06	5.42E-06	3.74E-07
1672	471345.42	3819159.55	1.94E-05	8.13E-05	7.32E-06	1.61E-05	5.98E-05	5.26E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.48E-06	3.78E-07
1673	471348.98	3819168.4	1.96E-05	8.22E-05	7.40E-06	1.63E-05	6.04E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.54E-06	3.82E-07

1674	471352.54	3819177.24	1.98E-05	8.30E-05	7.48E-06	1.65E-05	6.10E-05	5.37E-06	1.87E-06	1.07E-05	1.27E-06	1.70E-06	5.60E-06	3.86E-07
1675	471356.1	3819186.09	2.00E-05	8.38E-05	7.55E-06	1.66E-05	6.16E-05	5.42E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.65E-06	3.89E-07
1676	471359.66	3819194.93	2.01E-05	8.46E-05	7.62E-06	1.68E-05	6.21E-05	5.47E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.70E-06	3.93E-07
1677	471363.22	3819203.78	2.03E-05	8.53E-05	7.68E-06	1.69E-05	6.27E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.75E-06	3.96E-07
1678	471366.79	3819212.62	2.05E-05	8.60E-05	7.74E-06	1.70E-05	6.32E-05	5.56E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.79E-06	3.99E-07
1679	471370.35	3819221.47	2.06E-05	8.66E-05	7.80E-06	1.72E-05	6.36E-05	5.60E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.84E-06	4.02E-07
1680	470248.79	3818138	1.26E-05	5.30E-05	4.77E-06	1.05E-05	3.89E-05	3.43E-06	1.19E-06	6.82E-06	8.14E-07	1.08E-06	3.57E-06	2.46E-07
1681	470239.22	3818137.87	1.27E-05	5.35E-05	4.82E-06	1.06E-05	3.93E-05	3.46E-06	1.20E-06	6.89E-06	8.22E-07	1.09E-06	3.61E-06	2.49E-07
1682	470229.66	3818137.73	1.29E-05	5.40E-05	4.86E-06	1.07E-05	3.97E-05	3.49E-06	1.21E-06	6.95E-06	8.29E-07	1.10E-06	3.64E-06	2.51E-07
1683	470220.1	3818137.6	1.30E-05	5.44E-05	4.90E-06	1.08E-05	4.00E-05	3.52E-06	1.22E-06	7.01E-06	8.36E-07	1.11E-06	3.67E-06	2.53E-07
1684	470210.54	3818137.46	1.31E-05	5.49E-05	4.94E-06	1.09E-05	4.03E-05	3.55E-06	1.23E-06	7.07E-06	8.43E-07	1.12E-06	3.70E-06	2.55E-07
1685	470200.98	3818137.33	1.32E-05	5.53E-05	4.98E-06	1.10E-05	4.06E-05	3.57E-06	1.24E-06	7.12E-06	8.49E-07	1.13E-06	3.73E-06	2.57E-07
1686	470191.41	3818137.19	1.32E-05	5.56E-05	5.01E-06	1.10E-05	4.09E-05	3.60E-06	1.25E-06	7.16E-06	8.55E-07	1.14E-06	3.75E-06	2.59E-07
1687	470181.85	3818137.06	1.33E-05	5.60E-05	5.04E-06	1.11E-05	4.11E-05	3.62E-06	1.26E-06	7.21E-06	8.60E-07	1.14E-06	3.77E-06	2.60E-07
1688	470172.29	3818136.92	1.34E-05	5.62E-05	5.07E-06	1.12E-05	4.13E-05	3.64E-06	1.26E-06	7.24E-06	8.64E-07	1.15E-06	3.79E-06	2.61E-07
1689	470162.73	3818136.79	1.34E-05	5.65E-05	5.09E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.27E-06	8.67E-07	1.15E-06	3.81E-06	2.62E-07
1690	470153.16	3818136.65	1.35E-05	5.66E-05	5.10E-06	1.12E-05	4.16E-05	3.66E-06	1.27E-06	7.29E-06	8.70E-07	1.16E-06	3.82E-06	2.63E-07
1691	470143.6	3818136.52	1.35E-05	5.67E-05	5.11E-06	1.13E-05	4.17E-05	3.67E-06	1.28E-06	7.30E-06	8.71E-07	1.16E-06	3.82E-06	2.64E-07
1692	470134.04	3818136.38	1.35E-05	5.68E-05	5.11E-06	1.13E-05	4.17E-05	3.67E-06	1.28E-06	7.31E-06	8.72E-07	1.16E-06	3.83E-06	2.64E-07
1693	470124.48	3818136.25	1.35E-05	5.67E-05	5.11E-06	1.13E-05	4.17E-05	3.67E-06	1.28E-06	7.30E-06	8.71E-07	1.16E-06	3.82E-06	2.64E-07
1694	470445.74	3818122.22	9.12E-06	3.83E-05	3.45E-06	7.60E-06	2.81E-05	2.48E-06	8.61E-07	4.93E-06	5.88E-07	7.83E-07	2.58E-06	1.78E-07
1695	470454.45	3818125.95	9.03E-06	3.79E-05	3.42E-06	7.53E-06	2.79E-05	2.45E-06	8.53E-07	4.88E-06	5.83E-07	7.76E-07	2.56E-06	1.76E-07
1696	470463.16	3818129.69	8.95E-06	3.76E-05	3.38E-06	7.45E-06	2.76E-05	2.43E-06	8.45E-07	4.84E-06	5.77E-07	7.68E-07	2.53E-06	1.75E-07
1697	470471.86	3818133.43	8.86E-06	3.72E-05	3.35E-06	7.38E-06	2.73E-05	2.41E-06	8.37E-07	4.79E-06	5.72E-07	7.61E-07	2.51E-06	1.73E-07
1698	470480.57	3818137.16	8.78E-06	3.69E-05	3.32E-06	7.32E-06	2.71E-05	2.38E-06	8.29E-07	4.75E-06	5.67E-07	7.54E-07	2.49E-06	1.71E-07
1699	470489.28	3818140.9	8.71E-06	3.66E-05	3.29E-06	7.26E-06	2.69E-05	2.36E-06	8.23E-07	4.71E-06	5.62E-07	7.48E-07	2.47E-06	1.70E-07
1700	470497.98	3818144.64	8.64E-06	3.63E-05	3.27E-06	7.20E-06	2.67E-05	2.35E-06	8.16E-07	4.67E-06	5.58E-07	7.42E-07	2.45E-06	1.69E-07
1701	470506.69	3818148.38	8.56E-06	3.60E-05	3.24E-06	7.13E-06	2.64E-05	2.32E-06	8.09E-07	4.63E-06	5.52E-07	7.35E-07	2.42E-06	1.67E-07
1702	470515.4	3818152.11	8.48E-06	3.56E-05	3.21E-06	7.06E-06	2.62E-05	2.30E-06	8.01E-07	4.58E-06	5.47E-07	7.28E-07	2.40E-06	1.65E-07
1703	470524.1	3818155.85	8.40E-06	3.53E-05	3.18E-06	7.00E-06	2.59E-05	2.28E-06	7.94E-07	4.54E-06	5.42E-07	7.21E-07	2.38E-06	1.64E-07
1704	470532.81	3818159.59	8.34E-06	3.50E-05	3.15E-06	6.94E-06	2.57E-05	2.26E-06	7.87E-07	4.51E-06	5.38E-07	7.16E-07	2.36E-06	1.63E-07
1705	470541.52	3818163.32	8.27E-06	3.47E-05	3.13E-06	6.89E-06	2.55E-05	2.25E-06	7.81E-07	4.47E-06	5.34E-07	7.10E-07	2.34E-06	1.61E-07
1706	470550.22	3818167.06	8.22E-06	3.45E-05	3.11E-06	6.85E-06	2.54E-05	2.23E-06	7.76E-07	4.44E-06	5.30E-07	7.06E-07	2.33E-06	1.60E-07
1707	470558.93	3818170.8	8.16E-06	3.43E-05	3.09E-06	6.80E-06	2.52E-05	2.22E-06	7.71E-07	4.41E-06	5.27E-07	7.01E-07	2.31E-06	1.59E-07
1708	470567.64	3818174.54	8.09E-06	3.40E-05	3.06E-06	6.74E-06	2.50E-05	2.20E-06	7.64E-07	4.37E-06	5.22E-07	6.95E-07	2.29E-06	1.58E-07
1709	470576.34	3818178.27	8.02E-06	3.37E-05	3.03E-06	6.68E-06	2.47E-05	2.18E-06	7.57E-07	4.34E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
1710	470585.05	3818182.01	7.95E-06	3.34E-05	3.01E-06	6.62E-06	2.45E-05	2.16E-06	7.51E-07	4.30E-06	5.13E-07	6.83E-07	2.25E-06	1.55E-07
1711	470593.76	3818185.75	7.88E-06	3.31E-05	2.98E-06	6.57E-06	2.43E-05	2.14E-06	7.45E-07	4.26E-06	5.09E-07	6.77E-07	2.23E-06	1.54E-07
1712	470602.46	3818189.48	7.82E-06	3.28E-05	2.96E-06	6.51E-06	2.41E-05	2.12E-06	7.38E-07	4.23E-06	5.04E-07	6.71E-07	2.21E-06	1.53E-07
1713	470611.17	3818193.22	7.75E-06	3.25E-05	2.93E-06	6.46E-06	2.39E-05	2.10E-06	7.32E-07	4.19E-06	5.00E-07	6.65E-07	2.19E-06	1.51E-07
1714	470619.88	3818196.96	7.68E-06	3.23E-05	2.91E-06	6.40E-06	2.37E-05	2.09E-06	7.25E-07	4.15E-06	4.96E-07	6.60E-07	2.17E-06	1.50E-07
1715	470628.58	3818200.69	7.62E-06	3.20E-05	2.88E-06	6.34E-06	2.35E-05	2.07E-06	7.19E-07	4.12E-06	4.91E-07	6.54E-07	2.16E-06	1.49E-07
1716	470637.29	3818204.43	7.55E-06	3.17E-05	2.85E-06	6.29E-06	2.33E-05	2.05E-06	7.13E-07	4.08E-06	4.87E-07	6.48E-07	2.14E-06	1.47E-07

1717	470646	3818208.17	7.48E-06	3.14E-05	2.83E-06	6.23E-06	2.31E-05	2.03E-06	7.06E-07	4.04E-06	4.82E-07	6.42E-07	2.12E-06	1.46E-07
1718	470654.7	3818211.91	7.41E-06	3.11E-05	2.80E-06	6.17E-06	2.29E-05	2.01E-06	7.00E-07	4.01E-06	4.78E-07	6.36E-07	2.10E-06	1.45E-07
1719	470663.41	3818215.64	7.35E-06	3.08E-05	2.78E-06	6.12E-06	2.27E-05	1.99E-06	6.94E-07	3.97E-06	4.74E-07	6.31E-07	2.08E-06	1.43E-07
1720	470672.12	3818219.38	7.28E-06	3.06E-05	2.75E-06	6.07E-06	2.25E-05	1.98E-06	6.88E-07	3.94E-06	4.70E-07	6.25E-07	2.06E-06	1.42E-07
1721	470680.82	3818223.12	7.22E-06	3.03E-05	2.73E-06	6.01E-06	2.23E-05	1.96E-06	6.81E-07	3.90E-06	4.65E-07	6.19E-07	2.04E-06	1.41E-07
1722	470689.53	3818226.85	7.15E-06	3.00E-05	2.70E-06	5.95E-06	2.21E-05	1.94E-06	6.75E-07	3.86E-06	4.61E-07	6.14E-07	2.02E-06	1.39E-07
1723	470698.24	3818230.59	7.08E-06	2.97E-05	2.68E-06	5.90E-06	2.19E-05	1.92E-06	6.69E-07	3.83E-06	4.57E-07	6.08E-07	2.00E-06	1.38E-07
1724	470706.94	3818234.33	7.02E-06	2.95E-05	2.65E-06	5.85E-06	2.17E-05	1.91E-06	6.63E-07	3.79E-06	4.53E-07	6.03E-07	1.99E-06	1.37E-07
1725	470715.65	3818238.06	6.95E-06	2.92E-05	2.63E-06	5.79E-06	2.15E-05	1.89E-06	6.56E-07	3.76E-06	4.48E-07	5.97E-07	1.97E-06	1.36E-07
1726	470724.36	3818241.8	6.88E-06	2.89E-05	2.60E-06	5.73E-06	2.12E-05	1.87E-06	6.50E-07	3.72E-06	4.44E-07	5.91E-07	1.95E-06	1.34E-07
1727	470733.07	3818245.54	6.82E-06	2.86E-05	2.58E-06	5.68E-06	2.10E-05	1.85E-06	6.44E-07	3.69E-06	4.40E-07	5.85E-07	1.93E-06	1.33E-07
1728	470741.77	3818249.28	6.75E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
1729	470750.48	3818253.01	6.68E-06	2.81E-05	2.53E-06	5.57E-06	2.06E-05	1.81E-06	6.31E-07	3.61E-06	4.31E-07	5.74E-07	1.89E-06	1.30E-07
1730	470759.19	3818256.75	6.61E-06	2.78E-05	2.50E-06	5.51E-06	2.04E-05	1.80E-06	6.25E-07	3.58E-06	4.27E-07	5.68E-07	1.87E-06	1.29E-07
1731	470767.89	3818260.49	6.55E-06	2.75E-05	2.48E-06	5.45E-06	2.02E-05	1.78E-06	6.18E-07	3.54E-06	4.22E-07	5.62E-07	1.85E-06	1.28E-07
1732	470776.6	3818264.22	6.48E-06	2.72E-05	2.45E-06	5.40E-06	2.00E-05	1.76E-06	6.12E-07	3.50E-06	4.18E-07	5.56E-07	1.83E-06	1.26E-07
1733	470785.31	3818267.96	6.41E-06	2.69E-05	2.42E-06	5.34E-06	1.98E-05	1.74E-06	6.05E-07	3.46E-06	4.13E-07	5.50E-07	1.81E-06	1.25E-07
1734	470794.01	3818271.7	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.99E-07	3.43E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
1735	470802.72	3818275.43	6.27E-06	2.63E-05	2.37E-06	5.23E-06	1.94E-05	1.70E-06	5.92E-07	3.39E-06	4.05E-07	5.39E-07	1.78E-06	1.22E-07
1736	470811.43	3818279.17	6.21E-06	2.61E-05	2.35E-06	5.17E-06	1.91E-05	1.68E-06	5.86E-07	3.35E-06	4.00E-07	5.33E-07	1.76E-06	1.21E-07
1737	470820.13	3818282.91	6.14E-06	2.58E-05	2.32E-06	5.11E-06	1.89E-05	1.67E-06	5.80E-07	3.32E-06	3.96E-07	5.27E-07	1.74E-06	1.20E-07
1738	470828.84	3818286.65	6.07E-06	2.55E-05	2.29E-06	5.05E-06	1.87E-05	1.65E-06	5.73E-07	3.28E-06	3.91E-07	5.21E-07	1.72E-06	1.18E-07
1739	470837.55	3818290.38	6.00E-06	2.52E-05	2.27E-06	5.00E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
1740	470846.25	3818294.12	5.93E-06	2.49E-05	2.24E-06	4.94E-06	1.83E-05	1.61E-06	5.60E-07	3.21E-06	3.83E-07	5.09E-07	1.68E-06	1.16E-07
1741	470854.96	3818297.86	5.87E-06	2.46E-05	2.22E-06	4.89E-06	1.81E-05	1.59E-06	5.54E-07	3.17E-06	3.79E-07	5.04E-07	1.66E-06	1.15E-07
1742	470863.67	3818301.59	5.80E-06	2.44E-05	2.19E-06	4.83E-06	1.79E-05	1.57E-06	5.48E-07	3.14E-06	3.74E-07	4.98E-07	1.64E-06	1.13E-07
1743	470872.37	3818305.33	5.73E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.41E-07	3.10E-06	3.70E-07	4.92E-07	1.62E-06	1.12E-07
1744	470881.08	3818309.07	5.67E-06	2.38E-05	2.14E-06	4.72E-06	1.75E-05	1.54E-06	5.35E-07	3.06E-06	3.66E-07	4.86E-07	1.60E-06	1.11E-07
1745	470889.79	3818312.8	5.60E-06	2.35E-05	2.12E-06	4.66E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.58E-06	1.09E-07
1746	470898.49	3818316.54	5.54E-06	2.33E-05	2.09E-06	4.61E-06	1.71E-05	1.50E-06	5.23E-07	2.99E-06	3.57E-07	4.75E-07	1.57E-06	1.08E-07
1747	470907.2	3818320.28	5.47E-06	2.30E-05	2.07E-06	4.56E-06	1.69E-05	1.49E-06	5.17E-07	2.96E-06	3.53E-07	4.70E-07	1.55E-06	1.07E-07
1748	470915.91	3818324.02	5.41E-06	2.27E-05	2.05E-06	4.51E-06	1.67E-05	1.47E-06	5.11E-07	2.93E-06	3.49E-07	4.65E-07	1.53E-06	1.06E-07
1749	470924.61	3818327.75	5.35E-06	2.25E-05	2.02E-06	4.46E-06	1.65E-05	1.45E-06	5.05E-07	2.89E-06	3.45E-07	4.59E-07	1.51E-06	1.04E-07
1750	470933.32	3818331.49	5.29E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.44E-06	4.99E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
1751	470942.03	3818335.23	5.23E-06	2.20E-05	1.98E-06	4.36E-06	1.61E-05	1.42E-06	4.94E-07	2.83E-06	3.37E-07	4.49E-07	1.48E-06	1.02E-07
1752	470950.73	3818338.96	5.17E-06	2.17E-05	1.96E-06	4.31E-06	1.60E-05	1.40E-06	4.88E-07	2.80E-06	3.34E-07	4.44E-07	1.46E-06	1.01E-07
1753	470959.44	3818342.7	5.12E-06	2.15E-05	1.94E-06	4.26E-06	1.58E-05	1.39E-06	4.83E-07	2.77E-06	3.30E-07	4.39E-07	1.45E-06	9.99E-08
1754	470968.15	3818346.44	5.06E-06	2.13E-05	1.91E-06	4.22E-06	1.56E-05	1.37E-06	4.78E-07	2.74E-06	3.26E-07	4.34E-07	1.43E-06	9.87E-08
1755	470976.85	3818350.17	5.01E-06	2.11E-05	1.90E-06	4.18E-06	1.55E-05	1.36E-06	4.73E-07	2.71E-06	3.23E-07	4.30E-07	1.42E-06	9.78E-08
1756	470985.56	3818353.91	4.96E-06	2.08E-05	1.88E-06	4.13E-06	1.53E-05	1.35E-06	4.68E-07	2.68E-06	3.20E-07	4.26E-07	1.40E-06	9.68E-08
1757	470994.27	3818357.65	4.91E-06	2.06E-05	1.86E-06	4.09E-06	1.52E-05	1.33E-06	4.64E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.58E-08
1758	471029.09	3818372.6	4.73E-06	1.99E-05	1.79E-06	3.94E-06	1.46E-05	1.28E-06	4.47E-07	2.56E-06	3.05E-07	4.06E-07	1.34E-06	9.23E-08
1759	471037.8	3818376.33	4.69E-06	1.97E-05	1.77E-06	3.91E-06	1.45E-05	1.27E-06	4.43E-07	2.54E-06	3.03E-07	4.03E-07	1.33E-06	9.15E-08

1760	471046.51	3818380.07	4.65E-06	1.95E-05	1.76E-06	3.87E-06	1.44E-05	1.26E-06	4.39E-07	2.51E-06	3.00E-07	3.99E-07	1.32E-06	9.08E-08
1761	471055.21	3818383.81	4.62E-06	1.94E-05	1.75E-06	3.85E-06	1.43E-05	1.25E-06	4.36E-07	2.50E-06	2.98E-07	3.96E-07	1.31E-06	9.01E-08
1762	471063.92	3818387.55	4.58E-06	1.93E-05	1.73E-06	3.82E-06	1.41E-05	1.24E-06	4.33E-07	2.48E-06	2.96E-07	3.94E-07	1.30E-06	8.95E-08
1763	471072.63	3818391.28	4.55E-06	1.91E-05	1.72E-06	3.79E-06	1.40E-05	1.24E-06	4.30E-07	2.46E-06	2.94E-07	3.91E-07	1.29E-06	8.88E-08
1764	471081.34	3818395.02	4.52E-06	1.90E-05	1.71E-06	3.77E-06	1.40E-05	1.23E-06	4.27E-07	2.44E-06	2.92E-07	3.88E-07	1.28E-06	8.82E-08
1765	471090.04	3818398.76	4.50E-06	1.89E-05	1.70E-06	3.75E-06	1.39E-05	1.22E-06	4.25E-07	2.43E-06	2.90E-07	3.86E-07	1.27E-06	8.78E-08
1766	471098.75	3818402.49	4.47E-06	1.88E-05	1.69E-06	3.73E-06	1.38E-05	1.21E-06	4.22E-07	2.42E-06	2.89E-07	3.84E-07	1.27E-06	8.73E-08
1767	471107.46	3818406.23	4.45E-06	1.87E-05	1.68E-06	3.71E-06	1.37E-05	1.21E-06	4.20E-07	2.41E-06	2.87E-07	3.82E-07	1.26E-06	8.68E-08
1768	471116.16	3818409.97	4.43E-06	1.86E-05	1.67E-06	3.69E-06	1.37E-05	1.20E-06	4.18E-07	2.39E-06	2.85E-07	3.80E-07	1.25E-06	8.64E-08
1769	471128.41	3818422.49	4.45E-06	1.87E-05	1.68E-06	3.71E-06	1.37E-05	1.21E-06	4.20E-07	2.41E-06	2.87E-07	3.82E-07	1.26E-06	8.68E-08
1770	471131.95	3818431.28	4.49E-06	1.88E-05	1.70E-06	3.74E-06	1.39E-05	1.22E-06	4.24E-07	2.43E-06	2.89E-07	3.85E-07	1.27E-06	8.76E-08
1771	471135.48	3818440.07	4.54E-06	1.91E-05	1.72E-06	3.78E-06	1.40E-05	1.23E-06	4.28E-07	2.45E-06	2.93E-07	3.89E-07	1.28E-06	8.85E-08
1772	471139.02	3818448.86	4.58E-06	1.93E-05	1.73E-06	3.82E-06	1.41E-05	1.24E-06	4.33E-07	2.48E-06	2.96E-07	3.94E-07	1.30E-06	8.95E-08
1773	471142.56	3818457.65	4.63E-06	1.95E-05	1.75E-06	3.86E-06	1.43E-05	1.26E-06	4.37E-07	2.50E-06	2.99E-07	3.98E-07	1.31E-06	9.04E-08
1774	471146.1	3818466.44	4.69E-06	1.97E-05	1.77E-06	3.90E-06	1.45E-05	1.27E-06	4.42E-07	2.53E-06	3.02E-07	4.02E-07	1.33E-06	9.14E-08
1775	471149.64	3818475.23	4.74E-06	1.99E-05	1.79E-06	3.95E-06	1.46E-05	1.29E-06	4.47E-07	2.56E-06	3.06E-07	4.07E-07	1.34E-06	9.25E-08
1776	471153.18	3818484.02	4.80E-06	2.01E-05	1.81E-06	3.99E-06	1.48E-05	1.30E-06	4.53E-07	2.59E-06	3.09E-07	4.12E-07	1.36E-06	9.36E-08
1777	471156.72	3818492.81	4.86E-06	2.04E-05	1.84E-06	4.05E-06	1.50E-05	1.32E-06	4.59E-07	2.63E-06	3.13E-07	4.17E-07	1.38E-06	9.48E-08
1778	471163.79	3818510.39	4.98E-06	2.09E-05	1.88E-06	4.15E-06	1.54E-05	1.35E-06	4.71E-07	2.69E-06	3.21E-07	4.28E-07	1.41E-06	9.72E-08
1779	471167.33	3818519.18	5.05E-06	2.12E-05	1.91E-06	4.21E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.26E-07	4.34E-07	1.43E-06	9.86E-08
1780	471170.87	3818527.97	5.12E-06	2.15E-05	1.94E-06	4.27E-06	1.58E-05	1.39E-06	4.84E-07	2.77E-06	3.30E-07	4.40E-07	1.45E-06	1.00E-07
1781	471174.41	3818536.75	5.20E-06	2.18E-05	1.96E-06	4.33E-06	1.60E-05	1.41E-06	4.91E-07	2.81E-06	3.35E-07	4.46E-07	1.47E-06	1.01E-07
1782	471177.95	3818545.54	5.27E-06	2.21E-05	1.99E-06	4.39E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
1783	471181.48	3818554.33	5.35E-06	2.25E-05	2.02E-06	4.46E-06	1.65E-05	1.45E-06	5.05E-07	2.89E-06	3.45E-07	4.59E-07	1.51E-06	1.04E-07
1784	471185.02	3818563.12	5.43E-06	2.28E-05	2.05E-06	4.52E-06	1.68E-05	1.47E-06	5.13E-07	2.94E-06	3.50E-07	4.66E-07	1.54E-06	1.06E-07
1785	471188.56	3818571.91	5.52E-06	2.32E-05	2.09E-06	4.60E-06	1.70E-05	1.50E-06	5.21E-07	2.98E-06	3.56E-07	4.74E-07	1.56E-06	1.08E-07
1786	471192.1	3818580.7	5.60E-06	2.35E-05	2.12E-06	4.67E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.59E-06	1.09E-07
1787	471195.64	3818589.49	5.70E-06	2.39E-05	2.15E-06	4.74E-06	1.76E-05	1.55E-06	5.38E-07	3.08E-06	3.67E-07	4.89E-07	1.61E-06	1.11E-07
1788	471199.18	3818598.28	5.79E-06	2.43E-05	2.19E-06	4.82E-06	1.79E-05	1.57E-06	5.46E-07	3.13E-06	3.73E-07	4.97E-07	1.64E-06	1.13E-07
1789	471202.72	3818607.07	5.88E-06	2.47E-05	2.23E-06	4.90E-06	1.82E-05	1.60E-06	5.56E-07	3.18E-06	3.79E-07	5.05E-07	1.67E-06	1.15E-07
1790	471206.25	3818615.86	5.98E-06	2.51E-05	2.26E-06	4.98E-06	1.85E-05	1.62E-06	5.65E-07	3.23E-06	3.86E-07	5.13E-07	1.69E-06	1.17E-07
1791	471209.79	3818624.65	6.08E-06	2.55E-05	2.30E-06	5.06E-06	1.88E-05	1.65E-06	5.74E-07	3.29E-06	3.92E-07	5.22E-07	1.72E-06	1.19E-07
1792	471213.33	3818633.44	6.19E-06	2.60E-05	2.34E-06	5.15E-06	1.91E-05	1.68E-06	5.84E-07	3.34E-06	3.99E-07	5.31E-07	1.75E-06	1.21E-07
1793	471216.87	3818642.23	6.29E-06	2.64E-05	2.38E-06	5.24E-06	1.94E-05	1.71E-06	5.94E-07	3.40E-06	4.06E-07	5.40E-07	1.78E-06	1.23E-07
1794	471220.41	3818651.02	6.40E-06	2.69E-05	2.42E-06	5.33E-06	1.98E-05	1.74E-06	6.05E-07	3.46E-06	4.13E-07	5.50E-07	1.81E-06	1.25E-07
1795	471223.95	3818659.8	6.51E-06	2.74E-05	2.46E-06	5.43E-06	2.01E-05	1.77E-06	6.15E-07	3.52E-06	4.20E-07	5.59E-07	1.84E-06	1.27E-07
1796	471227.49	3818668.59	6.63E-06	2.78E-05	2.51E-06	5.52E-06	2.05E-05	1.80E-06	6.26E-07	3.58E-06	4.28E-07	5.69E-07	1.88E-06	1.29E-07
1797	471231.02	3818677.38	6.75E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
1798	471234.56	3818686.17	6.87E-06	2.88E-05	2.60E-06	5.72E-06	2.12E-05	1.86E-06	6.49E-07	3.71E-06	4.43E-07	5.90E-07	1.94E-06	1.34E-07
1799	471238.1	3818694.96	6.99E-06	2.94E-05	2.65E-06	5.83E-06	2.16E-05	1.90E-06	6.61E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
1800	471241.64	3818703.75	7.12E-06	2.99E-05	2.69E-06	5.93E-06	2.20E-05	1.93E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
1801	471245.18	3818712.54	7.25E-06	3.05E-05	2.74E-06	6.04E-06	2.24E-05	1.97E-06	6.85E-07	3.92E-06	4.68E-07	6.23E-07	2.05E-06	1.42E-07
1802	471248.72	3818721.33	7.39E-06	3.10E-05	2.79E-06	6.15E-06	2.28E-05	2.01E-06	6.98E-07	3.99E-06	4.77E-07	6.34E-07	2.09E-06	1.44E-07

1803	471252.25	3818730.12	7.53E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.11E-07	4.07E-06	4.86E-07	6.46E-07	2.13E-06	1.47E-07
1804	471255.79	3818738.91	7.67E-06	3.22E-05	2.90E-06	6.39E-06	2.37E-05	2.08E-06	7.24E-07	4.15E-06	4.95E-07	6.58E-07	2.17E-06	1.50E-07
1805	471259.33	3818747.7	7.81E-06	3.28E-05	2.95E-06	6.51E-06	2.41E-05	2.12E-06	7.38E-07	4.22E-06	5.04E-07	6.71E-07	2.21E-06	1.52E-07
1806	471262.87	3818756.49	7.96E-06	3.34E-05	3.01E-06	6.63E-06	2.46E-05	2.16E-06	7.52E-07	4.30E-06	5.14E-07	6.83E-07	2.25E-06	1.55E-07
1807	471266.41	3818765.28	8.11E-06	3.41E-05	3.07E-06	6.76E-06	2.50E-05	2.20E-06	7.66E-07	4.38E-06	5.23E-07	6.96E-07	2.30E-06	1.58E-07
1808	471269.95	3818774.07	8.26E-06	3.47E-05	3.13E-06	6.88E-06	2.55E-05	2.24E-06	7.80E-07	4.47E-06	5.33E-07	7.09E-07	2.34E-06	1.61E-07
1809	471273.49	3818782.85	8.42E-06	3.54E-05	3.19E-06	7.02E-06	2.60E-05	2.29E-06	7.95E-07	4.55E-06	5.43E-07	7.23E-07	2.38E-06	1.64E-07
1810	471277.02	3818791.64	8.58E-06	3.60E-05	3.25E-06	7.15E-06	2.65E-05	2.33E-06	8.10E-07	4.64E-06	5.54E-07	7.37E-07	2.43E-06	1.67E-07
1811	471280.56	3818800.43	8.75E-06	3.67E-05	3.31E-06	7.28E-06	2.70E-05	2.37E-06	8.26E-07	4.73E-06	5.64E-07	7.51E-07	2.48E-06	1.71E-07
1812	471284.1	3818809.22	8.91E-06	3.74E-05	3.37E-06	7.42E-06	2.75E-05	2.42E-06	8.42E-07	4.82E-06	5.75E-07	7.65E-07	2.52E-06	1.74E-07
1813	471287.64	3818818.01	9.08E-06	3.81E-05	3.43E-06	7.57E-06	2.80E-05	2.47E-06	8.58E-07	4.91E-06	5.86E-07	7.80E-07	2.57E-06	1.77E-07
1814	471291.18	3818826.8	9.26E-06	3.89E-05	3.50E-06	7.71E-06	2.86E-05	2.51E-06	8.74E-07	5.00E-06	5.97E-07	7.95E-07	2.62E-06	1.81E-07
1815	471312.41	3818879.54	1.04E-05	4.36E-05	3.93E-06	8.65E-06	3.20E-05	2.82E-06	9.81E-07	5.61E-06	6.70E-07	8.92E-07	2.94E-06	2.03E-07
1816	471315.95	3818888.33	1.06E-05	4.44E-05	4.00E-06	8.82E-06	3.27E-05	2.87E-06	9.99E-07	5.72E-06	6.83E-07	9.09E-07	3.00E-06	2.07E-07
1817	471319.49	3818897.12	1.08E-05	4.53E-05	4.08E-06	8.99E-06	3.33E-05	2.93E-06	1.02E-06	5.83E-06	6.96E-07	9.26E-07	3.05E-06	2.11E-07
1818	471323.02	3818905.9	1.10E-05	4.62E-05	4.16E-06	9.16E-06	3.39E-05	2.99E-06	1.04E-06	5.94E-06	7.09E-07	9.44E-07	3.11E-06	2.15E-07
1819	471326.56	3818914.69	1.12E-05	4.71E-05	4.24E-06	9.34E-06	3.46E-05	3.04E-06	1.06E-06	6.06E-06	7.23E-07	9.62E-07	3.17E-06	2.19E-07
1820	471330.1	3818923.48	1.14E-05	4.80E-05	4.32E-06	9.52E-06	3.53E-05	3.10E-06	1.08E-06	6.18E-06	7.37E-07	9.81E-07	3.23E-06	2.23E-07
1821	471333.64	3818932.27	1.16E-05	4.89E-05	4.40E-06	9.70E-06	3.59E-05	3.16E-06	1.10E-06	6.29E-06	7.51E-07	9.99E-07	3.30E-06	2.27E-07
1822	471340.72	3818949.85	1.21E-05	5.08E-05	4.57E-06	1.01E-05	3.73E-05	3.28E-06	1.14E-06	6.54E-06	7.80E-07	1.04E-06	3.42E-06	2.36E-07
1823	471344.26	3818958.64	1.23E-05	5.17E-05	4.66E-06	1.03E-05	3.80E-05	3.34E-06	1.16E-06	6.66E-06	7.94E-07	1.06E-06	3.49E-06	2.40E-07
1824	471347.79	3818967.43	1.25E-05	5.27E-05	4.74E-06	1.04E-05	3.87E-05	3.40E-06	1.18E-06	6.78E-06	8.09E-07	1.08E-06	3.55E-06	2.45E-07
1825	471351.33	3818976.22	1.28E-05	5.36E-05	4.83E-06	1.06E-05	3.94E-05	3.47E-06	1.21E-06	6.90E-06	8.23E-07	1.10E-06	3.61E-06	2.49E-07
1826	471354.87	3818985.01	1.30E-05	5.46E-05	4.91E-06	1.08E-05	4.01E-05	3.53E-06	1.23E-06	7.02E-06	8.38E-07	1.12E-06	3.68E-06	2.54E-07
1827	471358.41	3818993.8	1.32E-05	5.55E-05	5.00E-06	1.10E-05	4.08E-05	3.59E-06	1.25E-06	7.15E-06	8.53E-07	1.14E-06	3.74E-06	2.58E-07
1828	471361.95	3819002.59	1.35E-05	5.65E-05	5.09E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.27E-06	8.68E-07	1.15E-06	3.81E-06	2.62E-07
1829	471365.49	3819011.38	1.37E-05	5.75E-05	5.17E-06	1.14E-05	4.22E-05	3.71E-06	1.29E-06	7.40E-06	8.82E-07	1.17E-06	3.87E-06	2.67E-07
1830	471369.03	3819020.17	1.39E-05	5.84E-05	5.26E-06	1.16E-05	4.29E-05	3.78E-06	1.31E-06	7.52E-06	8.97E-07	1.19E-06	3.94E-06	2.71E-07
1831	471372.56	3819028.95	1.41E-05	5.94E-05	5.35E-06	1.18E-05	4.36E-05	3.84E-06	1.34E-06	7.64E-06	9.12E-07	1.21E-06	4.00E-06	2.76E-07
1832	471383.18	3819055.32	1.48E-05	6.22E-05	5.60E-06	1.23E-05	4.57E-05	4.02E-06	1.40E-06	8.01E-06	9.55E-07	1.27E-06	4.19E-06	2.89E-07
1833	471386.72	3819064.11	1.50E-05	6.31E-05	5.69E-06	1.25E-05	4.64E-05	4.08E-06	1.42E-06	8.13E-06	9.70E-07	1.29E-06	4.26E-06	2.93E-07
1834	471390.26	3819072.9	1.52E-05	6.40E-05	5.77E-06	1.27E-05	4.71E-05	4.14E-06	1.44E-06	8.24E-06	9.84E-07	1.31E-06	4.32E-06	2.98E-07
1835	471393.8	3819081.69	1.55E-05	6.49E-05	5.85E-06	1.29E-05	4.77E-05	4.20E-06	1.46E-06	8.36E-06	9.97E-07	1.33E-06	4.38E-06	3.02E-07
1836	471397.33	3819090.48	1.57E-05	6.58E-05	5.93E-06	1.31E-05	4.84E-05	4.25E-06	1.48E-06	8.47E-06	1.01E-06	1.35E-06	4.44E-06	3.06E-07
1837	471400.87	3819099.27	1.59E-05	6.67E-05	6.01E-06	1.32E-05	4.90E-05	4.31E-06	1.50E-06	8.58E-06	1.02E-06	1.36E-06	4.49E-06	3.10E-07
1838	471404.41	3819108.06	1.61E-05	6.75E-05	6.08E-06	1.34E-05	4.96E-05	4.37E-06	1.52E-06	8.69E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
1839	471407.95	3819116.85	1.63E-05	6.84E-05	6.16E-06	1.36E-05	5.02E-05	4.42E-06	1.54E-06	8.80E-06	1.05E-06	1.40E-06	4.61E-06	3.18E-07
1840	471411.49	3819125.64	1.65E-05	6.92E-05	6.23E-06	1.37E-05	5.08E-05	4.47E-06	1.56E-06	8.91E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
1841	471415.03	3819134.43	1.67E-05	7.00E-05	6.30E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.01E-06	1.08E-06	1.43E-06	4.72E-06	3.25E-07
1842	471422.1	3819152.01	1.70E-05	7.15E-05	6.44E-06	1.42E-05	5.26E-05	4.62E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
1843	471425.64	3819160.79	1.72E-05	7.22E-05	6.51E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.30E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
1844	471429.18	3819169.58	1.74E-05	7.29E-05	6.57E-06	1.45E-05	5.36E-05	4.71E-06	1.64E-06	9.39E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
1845	471432.72	3819178.37	1.75E-05	7.36E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.65E-06	9.47E-06	1.13E-06	1.50E-06	4.96E-06	3.42E-07

1846	471436.26	3819187.16	1.77E-05	7.42E-05	6.68E-06	1.47E-05	5.45E-05	4.80E-06	1.67E-06	9.55E-06	1.14E-06	1.52E-06	5.00E-06	3.45E-07
1847	471439.8	3819195.95	1.78E-05	7.48E-05	6.74E-06	1.48E-05	5.50E-05	4.84E-06	1.68E-06	9.63E-06	1.15E-06	1.53E-06	5.04E-06	3.48E-07
1848	471443.33	3819204.74	1.80E-05	7.54E-05	6.79E-06	1.50E-05	5.54E-05	4.87E-06	1.70E-06	9.71E-06	1.16E-06	1.54E-06	5.08E-06	3.50E-07
1849	471446.87	3819213.53	1.81E-05	7.59E-05	6.84E-06	1.51E-05	5.58E-05	4.91E-06	1.71E-06	9.78E-06	1.17E-06	1.55E-06	5.12E-06	3.53E-07
1850	471450.41	3819222.32	1.82E-05	7.65E-05	6.89E-06	1.52E-05	5.62E-05	4.94E-06	1.72E-06	9.84E-06	1.17E-06	1.56E-06	5.15E-06	3.55E-07
1851	470211.67	3818057.47	1.17E-05	4.93E-05	4.44E-06	9.78E-06	3.62E-05	3.19E-06	1.11E-06	6.35E-06	7.57E-07	1.01E-06	3.32E-06	2.29E-07
1852	470202.11	3818057.34	1.18E-05	4.98E-05	4.48E-06	9.87E-06	3.66E-05	3.22E-06	1.12E-06	6.41E-06	7.64E-07	1.02E-06	3.35E-06	2.31E-07
1853	470192.54	3818057.2	1.19E-05	5.01E-05	4.51E-06	9.94E-06	3.68E-05	3.24E-06	1.13E-06	6.45E-06	7.70E-07	1.02E-06	3.38E-06	2.33E-07
1854	470182.98	3818057.07	1.20E-05	5.04E-05	4.54E-06	1.00E-05	3.70E-05	3.26E-06	1.13E-06	6.49E-06	7.74E-07	1.03E-06	3.40E-06	2.34E-07
1855	470173.42	3818056.93	1.21E-05	5.06E-05	4.56E-06	1.00E-05	3.72E-05	3.27E-06	1.14E-06	6.52E-06	7.78E-07	1.03E-06	3.41E-06	2.35E-07
1856	470163.86	3818056.8	1.21E-05	5.09E-05	4.58E-06	1.01E-05	3.74E-05	3.29E-06	1.14E-06	6.55E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
1857	470154.29	3818056.66	1.22E-05	5.11E-05	4.60E-06	1.01E-05	3.76E-05	3.30E-06	1.15E-06	6.58E-06	7.85E-07	1.04E-06	3.45E-06	2.37E-07
1858	470144.73	3818056.53	1.22E-05	5.13E-05	4.62E-06	1.02E-05	3.77E-05	3.32E-06	1.15E-06	6.60E-06	7.88E-07	1.05E-06	3.46E-06	2.38E-07
1859	470135.17	3818056.39	1.22E-05	5.14E-05	4.63E-06	1.02E-05	3.78E-05	3.32E-06	1.16E-06	6.62E-06	7.89E-07	1.05E-06	3.46E-06	2.39E-07
1860	470125.61	3818056.26	1.22E-05	5.14E-05	4.63E-06	1.02E-05	3.78E-05	3.32E-06	1.16E-06	6.62E-06	7.89E-07	1.05E-06	3.46E-06	2.39E-07
1861	470403.79	3818023.74	8.24E-06	3.46E-05	3.11E-06	6.86E-06	2.54E-05	2.24E-06	7.78E-07	4.45E-06	5.31E-07	7.07E-07	2.33E-06	1.61E-07
1862	470412.54	3818027.49	8.18E-06	3.43E-05	3.09E-06	6.81E-06	2.52E-05	2.22E-06	7.72E-07	4.42E-06	5.27E-07	7.02E-07	2.31E-06	1.60E-07
1863	470421.28	3818031.24	8.11E-06	3.41E-05	3.07E-06	6.76E-06	2.50E-05	2.20E-06	7.66E-07	4.38E-06	5.23E-07	6.96E-07	2.30E-06	1.58E-07
1864	470430.03	3818035	8.04E-06	3.38E-05	3.04E-06	6.70E-06	2.48E-05	2.18E-06	7.60E-07	4.35E-06	5.19E-07	6.90E-07	2.28E-06	1.57E-07
1865	470438.77	3818038.75	7.98E-06	3.35E-05	3.02E-06	6.65E-06	2.46E-05	2.17E-06	7.54E-07	4.31E-06	5.15E-07	6.85E-07	2.26E-06	1.56E-07
1866	470447.52	3818042.5	8.08E-06	3.39E-05	3.06E-06	6.73E-06	2.49E-05	2.19E-06	7.63E-07	4.37E-06	5.21E-07	6.94E-07	2.29E-06	1.58E-07
1867	470456.26	3818046.26	8.02E-06	3.37E-05	3.03E-06	6.68E-06	2.47E-05	2.18E-06	7.57E-07	4.34E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
1868	470465.01	3818050.01	7.95E-06	3.34E-05	3.01E-06	6.62E-06	2.45E-05	2.16E-06	7.50E-07	4.30E-06	5.13E-07	6.82E-07	2.25E-06	1.55E-07
1869	470473.75	3818053.76	7.87E-06	3.31E-05	2.98E-06	6.56E-06	2.43E-05	2.14E-06	7.44E-07	4.26E-06	5.08E-07	6.76E-07	2.23E-06	1.54E-07
1870	470482.5	3818057.52	7.80E-06	3.28E-05	2.95E-06	6.50E-06	2.41E-05	2.12E-06	7.37E-07	4.22E-06	5.03E-07	6.70E-07	2.21E-06	1.52E-07
1871	470491.24	3818061.27	7.74E-06	3.25E-05	2.93E-06	6.44E-06	2.39E-05	2.10E-06	7.30E-07	4.18E-06	4.99E-07	6.64E-07	2.19E-06	1.51E-07
1872	470499.99	3818065.02	7.67E-06	3.22E-05	2.90E-06	6.39E-06	2.37E-05	2.08E-06	7.24E-07	4.15E-06	4.95E-07	6.58E-07	2.17E-06	1.50E-07
1873	470508.73	3818068.78	7.60E-06	3.19E-05	2.87E-06	6.33E-06	2.34E-05	2.06E-06	7.17E-07	4.11E-06	4.90E-07	6.52E-07	2.15E-06	1.48E-07
1874	470517.48	3818072.53	7.52E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.10E-07	4.07E-06	4.85E-07	6.46E-07	2.13E-06	1.47E-07
1875	470526.22	3818076.28	7.45E-06	3.13E-05	2.82E-06	6.21E-06	2.30E-05	2.02E-06	7.04E-07	4.03E-06	4.81E-07	6.40E-07	2.11E-06	1.45E-07
1876	470534.96	3818080.04	7.39E-06	3.10E-05	2.79E-06	6.15E-06	2.28E-05	2.01E-06	6.98E-07	3.99E-06	4.77E-07	6.34E-07	2.09E-06	1.44E-07
1877	470543.71	3818083.79	7.33E-06	3.08E-05	2.77E-06	6.11E-06	2.26E-05	1.99E-06	6.92E-07	3.96E-06	4.73E-07	6.29E-07	2.08E-06	1.43E-07
1878	470552.45	3818087.54	7.28E-06	3.06E-05	2.75E-06	6.06E-06	2.25E-05	1.98E-06	6.87E-07	3.93E-06	4.69E-07	6.25E-07	2.06E-06	1.42E-07
1879	470561.2	3818091.3	7.23E-06	3.03E-05	2.73E-06	6.02E-06	2.23E-05	1.96E-06	6.82E-07	3.91E-06	4.66E-07	6.20E-07	2.05E-06	1.41E-07
1880	470569.94	3818095.05	7.17E-06	3.01E-05	2.71E-06	5.97E-06	2.21E-05	1.95E-06	6.77E-07	3.88E-06	4.63E-07	6.16E-07	2.03E-06	1.40E-07
1881	470578.69	3818098.8	7.12E-06	2.99E-05	2.69E-06	5.93E-06	2.20E-05	1.93E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
1882	470587.43	3818102.56	7.08E-06	2.97E-05	2.68E-06	5.89E-06	2.18E-05	1.92E-06	6.68E-07	3.83E-06	4.56E-07	6.07E-07	2.00E-06	1.38E-07
1883	470596.18	3818106.31	7.03E-06	2.95E-05	2.66E-06	5.85E-06	2.17E-05	1.91E-06	6.64E-07	3.80E-06	4.53E-07	6.03E-07	1.99E-06	1.37E-07
1884	470604.92	3818110.06	6.98E-06	2.93E-05	2.64E-06	5.82E-06	2.16E-05	1.90E-06	6.60E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
1885	470613.67	3818113.82	6.93E-06	2.91E-05	2.62E-06	5.77E-06	2.14E-05	1.88E-06	6.55E-07	3.75E-06	4.47E-07	5.95E-07	1.96E-06	1.35E-07
1886	470622.41	3818117.57	6.87E-06	2.89E-05	2.60E-06	5.73E-06	2.12E-05	1.87E-06	6.49E-07	3.72E-06	4.43E-07	5.90E-07	1.95E-06	1.34E-07
1887	470631.16	3818121.32	6.82E-06	2.86E-05	2.58E-06	5.68E-06	2.11E-05	1.85E-06	6.44E-07	3.69E-06	4.40E-07	5.86E-07	1.93E-06	1.33E-07
1888	470639.9	3818125.08	6.76E-06	2.84E-05	2.56E-06	5.63E-06	2.09E-05	1.84E-06	6.39E-07	3.66E-06	4.36E-07	5.81E-07	1.91E-06	1.32E-07

1889	470648.65	3818128.83	6.71E-06	2.82E-05	2.54E-06	5.59E-06	2.07E-05	1.82E-06	6.33E-07	3.63E-06	4.33E-07	5.76E-07	1.90E-06	1.31E-07
1890	470657.39	3818132.58	6.65E-06	2.79E-05	2.52E-06	5.54E-06	2.05E-05	1.81E-06	6.28E-07	3.60E-06	4.29E-07	5.71E-07	1.88E-06	1.30E-07
1891	470666.14	3818136.34	6.60E-06	2.77E-05	2.50E-06	5.50E-06	2.04E-05	1.79E-06	6.23E-07	3.57E-06	4.26E-07	5.67E-07	1.87E-06	1.29E-07
1892	470674.88	3818140.09	6.55E-06	2.75E-05	2.48E-06	5.45E-06	2.02E-05	1.78E-06	6.18E-07	3.54E-06	4.22E-07	5.62E-07	1.85E-06	1.28E-07
1893	470683.63	3818143.84	6.49E-06	2.73E-05	2.46E-06	5.41E-06	2.00E-05	1.76E-06	6.13E-07	3.51E-06	4.19E-07	5.58E-07	1.84E-06	1.27E-07
1894	470692.37	3818147.6	6.44E-06	2.71E-05	2.44E-06	5.37E-06	1.99E-05	1.75E-06	6.08E-07	3.48E-06	4.15E-07	5.53E-07	1.82E-06	1.26E-07
1895	470701.11	3818151.35	6.39E-06	2.68E-05	2.42E-06	5.32E-06	1.97E-05	1.73E-06	6.03E-07	3.45E-06	4.12E-07	5.48E-07	1.81E-06	1.25E-07
1896	470709.86	3818155.1	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.98E-07	3.42E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
1897	470718.6	3818158.85	6.28E-06	2.64E-05	2.37E-06	5.23E-06	1.94E-05	1.70E-06	5.93E-07	3.39E-06	4.05E-07	5.39E-07	1.78E-06	1.22E-07
1898	470727.35	3818162.61	6.22E-06	2.61E-05	2.35E-06	5.19E-06	1.92E-05	1.69E-06	5.88E-07	3.37E-06	4.02E-07	5.34E-07	1.76E-06	1.21E-07
1899	470736.09	3818166.36	6.17E-06	2.59E-05	2.33E-06	5.14E-06	1.90E-05	1.68E-06	5.83E-07	3.34E-06	3.98E-07	5.30E-07	1.75E-06	1.20E-07
1900	470744.84	3818170.11	6.11E-06	2.57E-05	2.31E-06	5.09E-06	1.89E-05	1.66E-06	5.77E-07	3.31E-06	3.94E-07	5.25E-07	1.73E-06	1.19E-07
1901	470753.58	3818173.87	6.06E-06	2.55E-05	2.29E-06	5.05E-06	1.87E-05	1.65E-06	5.72E-07	3.28E-06	3.91E-07	5.20E-07	1.72E-06	1.18E-07
1902	470762.33	3818177.62	6.01E-06	2.52E-05	2.27E-06	5.00E-06	1.85E-05	1.63E-06	5.67E-07	3.25E-06	3.88E-07	5.16E-07	1.70E-06	1.17E-07
1903	470771.07	3818181.37	5.95E-06	2.50E-05	2.25E-06	4.96E-06	1.84E-05	1.62E-06	5.62E-07	3.22E-06	3.84E-07	5.11E-07	1.68E-06	1.16E-07
1904	470779.82	3818185.13	5.90E-06	2.48E-05	2.23E-06	4.91E-06	1.82E-05	1.60E-06	5.57E-07	3.19E-06	3.80E-07	5.06E-07	1.67E-06	1.15E-07
1905	470788.56	3818188.88	5.84E-06	2.45E-05	2.21E-06	4.86E-06	1.80E-05	1.59E-06	5.51E-07	3.16E-06	3.77E-07	5.01E-07	1.65E-06	1.14E-07
1906	470797.31	3818192.63	5.79E-06	2.43E-05	2.19E-06	4.82E-06	1.79E-05	1.57E-06	5.46E-07	3.13E-06	3.73E-07	4.97E-07	1.64E-06	1.13E-07
1907	470806.05	3818196.39	5.73E-06	2.41E-05	2.17E-06	4.77E-06	1.77E-05	1.56E-06	5.41E-07	3.10E-06	3.70E-07	4.92E-07	1.62E-06	1.12E-07
1908	470814.8	3818200.14	5.68E-06	2.38E-05	2.15E-06	4.73E-06	1.75E-05	1.54E-06	5.36E-07	3.07E-06	3.66E-07	4.87E-07	1.61E-06	1.11E-07
1909	470823.54	3818203.89	5.62E-06	2.36E-05	2.13E-06	4.68E-06	1.73E-05	1.53E-06	5.31E-07	3.04E-06	3.62E-07	4.82E-07	1.59E-06	1.10E-07
1910	470832.29	3818207.65	5.56E-06	2.34E-05	2.10E-06	4.63E-06	1.72E-05	1.51E-06	5.25E-07	3.01E-06	3.59E-07	4.77E-07	1.57E-06	1.09E-07
1911	470841.03	3818211.4	5.50E-06	2.31E-05	2.08E-06	4.58E-06	1.70E-05	1.49E-06	5.20E-07	2.98E-06	3.55E-07	4.72E-07	1.56E-06	1.07E-07
1912	470849.78	3818215.15	5.45E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.14E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
1913	470858.52	3818218.91	5.39E-06	2.26E-05	2.04E-06	4.49E-06	1.66E-05	1.46E-06	5.09E-07	2.91E-06	3.48E-07	4.63E-07	1.53E-06	1.05E-07
1914	470867.26	3818222.66	5.33E-06	2.24E-05	2.02E-06	4.44E-06	1.64E-05	1.45E-06	5.03E-07	2.88E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
1915	470876.01	3818226.41	5.28E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
1916	470884.75	3818230.17	5.22E-06	2.19E-05	1.97E-06	4.35E-06	1.61E-05	1.42E-06	4.93E-07	2.82E-06	3.37E-07	4.48E-07	1.48E-06	1.02E-07
1917	470893.5	3818233.92	5.16E-06	2.17E-05	1.95E-06	4.30E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.33E-07	4.43E-07	1.46E-06	1.01E-07
1918	470902.24	3818237.67	5.10E-06	2.14E-05	1.93E-06	4.25E-06	1.57E-05	1.39E-06	4.82E-07	2.76E-06	3.29E-07	4.38E-07	1.44E-06	9.96E-08
1919	470910.99	3818241.43	5.05E-06	2.12E-05	1.91E-06	4.20E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.25E-07	4.33E-07	1.43E-06	9.85E-08
1920	470919.73	3818245.18	4.99E-06	2.10E-05	1.89E-06	4.16E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.22E-07	4.29E-07	1.41E-06	9.74E-08
1921	470928.48	3818248.93	4.94E-06	2.07E-05	1.87E-06	4.11E-06	1.52E-05	1.34E-06	4.66E-07	2.67E-06	3.18E-07	4.24E-07	1.40E-06	9.63E-08
1922	470937.22	3818252.69	4.88E-06	2.05E-05	1.85E-06	4.07E-06	1.51E-05	1.33E-06	4.61E-07	2.64E-06	3.15E-07	4.19E-07	1.38E-06	9.53E-08
1923	470945.97	3818256.44	4.83E-06	2.03E-05	1.83E-06	4.02E-06	1.49E-05	1.31E-06	4.56E-07	2.61E-06	3.12E-07	4.15E-07	1.37E-06	9.42E-08
1924	470954.71	3818260.19	4.78E-06	2.01E-05	1.81E-06	3.98E-06	1.47E-05	1.30E-06	4.51E-07	2.58E-06	3.08E-07	4.10E-07	1.35E-06	9.32E-08
1925	470963.46	3818263.95	4.72E-06	1.98E-05	1.79E-06	3.93E-06	1.46E-05	1.28E-06	4.46E-07	2.55E-06	3.05E-07	4.06E-07	1.34E-06	9.22E-08
1926	470972.2	3818267.7	4.67E-06	1.96E-05	1.77E-06	3.89E-06	1.44E-05	1.27E-06	4.41E-07	2.53E-06	3.01E-07	4.01E-07	1.32E-06	9.11E-08
1927	470980.95	3818271.45	4.62E-06	1.94E-05	1.75E-06	3.85E-06	1.43E-05	1.25E-06	4.36E-07	2.50E-06	2.98E-07	3.96E-07	1.31E-06	9.01E-08
1928	470989.69	3818275.21	4.57E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.92E-07	1.29E-06	8.92E-08
1929	470998.44	3818278.96	4.52E-06	1.90E-05	1.71E-06	3.77E-06	1.40E-05	1.23E-06	4.27E-07	2.44E-06	2.92E-07	3.88E-07	1.28E-06	8.82E-08
1930	471007.18	3818282.71	4.47E-06	1.88E-05	1.69E-06	3.73E-06	1.38E-05	1.21E-06	4.22E-07	2.42E-06	2.89E-07	3.84E-07	1.27E-06	8.73E-08
1931	471015.93	3818286.47	4.43E-06	1.86E-05	1.67E-06	3.69E-06	1.37E-05	1.20E-06	4.18E-07	2.39E-06	2.85E-07	3.80E-07	1.25E-06	8.64E-08

1932	471024.67	3818290.22	4.38E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.14E-07	2.37E-06	2.83E-07	3.76E-07	1.24E-06	8.55E-08
1933	471033.41	3818293.97	4.34E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.10E-07	2.35E-06	2.80E-07	3.72E-07	1.23E-06	8.47E-08
1934	471068.39	3818308.99	4.18E-06	1.75E-05	1.58E-06	3.48E-06	1.29E-05	1.13E-06	3.94E-07	2.26E-06	2.69E-07	3.58E-07	1.18E-06	8.15E-08
1935	471077.14	3818312.74	4.14E-06	1.74E-05	1.57E-06	3.45E-06	1.28E-05	1.12E-06	3.91E-07	2.24E-06	2.67E-07	3.56E-07	1.17E-06	8.08E-08
1936	471085.88	3818316.49	4.11E-06	1.73E-05	1.55E-06	3.42E-06	1.27E-05	1.12E-06	3.88E-07	2.22E-06	2.65E-07	3.53E-07	1.16E-06	8.02E-08
1937	471094.63	3818320.25	4.07E-06	1.71E-05	1.54E-06	3.39E-06	1.26E-05	1.11E-06	3.85E-07	2.20E-06	2.63E-07	3.50E-07	1.15E-06	7.95E-08
1938	471103.37	3818324	4.05E-06	1.70E-05	1.53E-06	3.37E-06	1.25E-05	1.10E-06	3.82E-07	2.19E-06	2.61E-07	3.47E-07	1.15E-06	7.89E-08
1939	471112.12	3818327.75	4.02E-06	1.69E-05	1.52E-06	3.35E-06	1.24E-05	1.09E-06	3.79E-07	2.17E-06	2.59E-07	3.45E-07	1.14E-06	7.84E-08
1940	471120.86	3818331.51	3.99E-06	1.67E-05	1.51E-06	3.32E-06	1.23E-05	1.08E-06	3.77E-07	2.16E-06	2.57E-07	3.42E-07	1.13E-06	7.78E-08
1941	471129.61	3818335.26	3.96E-06	1.66E-05	1.50E-06	3.30E-06	1.22E-05	1.08E-06	3.74E-07	2.14E-06	2.56E-07	3.40E-07	1.12E-06	7.73E-08
1942	471138.35	3818339.01	3.94E-06	1.65E-05	1.49E-06	3.28E-06	1.22E-05	1.07E-06	3.72E-07	2.13E-06	2.54E-07	3.38E-07	1.12E-06	7.69E-08
1943	471147.1	3818342.77	3.92E-06	1.64E-05	1.48E-06	3.26E-06	1.21E-05	1.06E-06	3.70E-07	2.12E-06	2.53E-07	3.36E-07	1.11E-06	7.64E-08
1944	471155.84	3818346.52	3.90E-06	1.64E-05	1.47E-06	3.25E-06	1.20E-05	1.06E-06	3.68E-07	2.11E-06	2.51E-07	3.35E-07	1.10E-06	7.60E-08
1945	471164.59	3818350.27	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.57E-08
1946	471173.33	3818354.03	3.86E-06	1.62E-05	1.46E-06	3.22E-06	1.19E-05	1.05E-06	3.65E-07	2.09E-06	2.49E-07	3.32E-07	1.09E-06	7.54E-08
1947	471185.63	3818366.61	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.57E-08
1948	471189.18	3818375.44	3.92E-06	1.64E-05	1.48E-06	3.26E-06	1.21E-05	1.06E-06	3.70E-07	2.12E-06	2.53E-07	3.36E-07	1.11E-06	7.64E-08
1949	471192.74	3818384.26	3.95E-06	1.66E-05	1.49E-06	3.29E-06	1.22E-05	1.07E-06	3.73E-07	2.14E-06	2.55E-07	3.39E-07	1.12E-06	7.71E-08
1950	471196.29	3818393.09	3.99E-06	1.67E-05	1.51E-06	3.32E-06	1.23E-05	1.08E-06	3.77E-07	2.16E-06	2.57E-07	3.42E-07	1.13E-06	7.78E-08
1951	471199.85	3818401.92	4.03E-06	1.69E-05	1.52E-06	3.36E-06	1.24E-05	1.09E-06	3.81E-07	2.18E-06	2.60E-07	3.46E-07	1.14E-06	7.87E-08
1952	471203.4	3818410.75	4.07E-06	1.71E-05	1.54E-06	3.39E-06	1.26E-05	1.10E-06	3.84E-07	2.20E-06	2.62E-07	3.49E-07	1.15E-06	7.94E-08
1953	471206.95	3818419.57	4.12E-06	1.73E-05	1.56E-06	3.43E-06	1.27E-05	1.12E-06	3.89E-07	2.23E-06	2.66E-07	3.54E-07	1.17E-06	8.03E-08
1954	471217.61	3818446.06	4.26E-06	1.79E-05	1.61E-06	3.55E-06	1.32E-05	1.16E-06	4.02E-07	2.30E-06	2.75E-07	3.66E-07	1.21E-06	8.32E-08
1955	471221.17	3818454.89	4.32E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.42E-08
1956	471224.72	3818463.71	4.37E-06	1.84E-05	1.65E-06	3.64E-06	1.35E-05	1.19E-06	4.13E-07	2.36E-06	2.82E-07	3.75E-07	1.24E-06	8.53E-08
1957	471228.28	3818472.54	4.43E-06	1.86E-05	1.68E-06	3.69E-06	1.37E-05	1.20E-06	4.18E-07	2.40E-06	2.86E-07	3.80E-07	1.25E-06	8.65E-08
1958	471231.83	3818481.37	4.49E-06	1.88E-05	1.70E-06	3.74E-06	1.39E-05	1.22E-06	4.24E-07	2.43E-06	2.89E-07	3.85E-07	1.27E-06	8.76E-08
1959	471235.38	3818490.2	4.55E-06	1.91E-05	1.72E-06	3.79E-06	1.40E-05	1.24E-06	4.30E-07	2.46E-06	2.94E-07	3.91E-07	1.29E-06	8.88E-08
1960	471238.94	3818499.02	4.61E-06	1.94E-05	1.74E-06	3.84E-06	1.42E-05	1.25E-06	4.36E-07	2.49E-06	2.98E-07	3.96E-07	1.31E-06	9.00E-08
1961	471242.49	3818507.85	4.68E-06	1.97E-05	1.77E-06	3.90E-06	1.44E-05	1.27E-06	4.42E-07	2.53E-06	3.02E-07	4.02E-07	1.32E-06	9.13E-08
1962	471246.05	3818516.68	4.75E-06	1.99E-05	1.80E-06	3.95E-06	1.47E-05	1.29E-06	4.48E-07	2.57E-06	3.06E-07	4.08E-07	1.34E-06	9.26E-08
1963	471249.6	3818525.51	4.82E-06	2.02E-05	1.82E-06	4.01E-06	1.49E-05	1.31E-06	4.55E-07	2.61E-06	3.11E-07	4.14E-07	1.36E-06	9.41E-08
1964	471253.15	3818534.33	4.89E-06	2.05E-05	1.85E-06	4.08E-06	1.51E-05	1.33E-06	4.62E-07	2.64E-06	3.16E-07	4.20E-07	1.38E-06	9.55E-08
1965	471256.71	3818543.16	4.96E-06	2.08E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.69E-07	2.68E-06	3.20E-07	4.26E-07	1.41E-06	9.69E-08
1966	471260.26	3818551.99	5.05E-06	2.12E-05	1.91E-06	4.20E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.25E-07	4.33E-07	1.43E-06	9.85E-08
1967	471263.82	3818560.82	5.12E-06	2.15E-05	1.94E-06	4.27E-06	1.58E-05	1.39E-06	4.84E-07	2.77E-06	3.30E-07	4.40E-07	1.45E-06	1.00E-07
1968	471267.37	3818569.64	5.21E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.41E-06	4.92E-07	2.81E-06	3.36E-07	4.47E-07	1.47E-06	1.02E-07
1969	471270.92	3818578.47	5.29E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.44E-06	4.99E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
1970	471274.48	3818587.3	5.37E-06	2.26E-05	2.03E-06	4.48E-06	1.66E-05	1.46E-06	5.07E-07	2.90E-06	3.47E-07	4.61E-07	1.52E-06	1.05E-07
1971	471278.03	3818596.13	5.46E-06	2.29E-05	2.06E-06	4.55E-06	1.68E-05	1.48E-06	5.16E-07	2.95E-06	3.52E-07	4.69E-07	1.55E-06	1.07E-07
1972	471281.59	3818604.96	5.55E-06	2.33E-05	2.10E-06	4.62E-06	1.71E-05	1.51E-06	5.24E-07	3.00E-06	3.58E-07	4.77E-07	1.57E-06	1.08E-07
1973	471285.14	3818613.78	5.64E-06	2.37E-05	2.13E-06	4.70E-06	1.74E-05	1.53E-06	5.33E-07	3.05E-06	3.64E-07	4.84E-07	1.60E-06	1.10E-07
1974	471288.69	3818622.61	5.74E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.42E-07	3.10E-06	3.70E-07	4.93E-07	1.62E-06	1.12E-07

1975	471292.25	3818631.44	5.84E-06	2.45E-05	2.21E-06	4.86E-06	1.80E-05	1.58E-06	5.51E-07	3.15E-06	3.76E-07	5.01E-07	1.65E-06	1.14E-07
1976	471313.57	3818684.4	6.47E-06	2.72E-05	2.45E-06	5.39E-06	2.00E-05	1.76E-06	6.11E-07	3.50E-06	4.17E-07	5.55E-07	1.83E-06	1.26E-07
1977	471317.13	3818693.23	6.58E-06	2.76E-05	2.49E-06	5.48E-06	2.03E-05	1.79E-06	6.21E-07	3.55E-06	4.24E-07	5.65E-07	1.86E-06	1.28E-07
1978	471320.68	3818702.06	6.70E-06	2.81E-05	2.53E-06	5.58E-06	2.07E-05	1.82E-06	6.32E-07	3.62E-06	4.32E-07	5.75E-07	1.90E-06	1.31E-07
1979	471324.23	3818710.89	6.81E-06	2.86E-05	2.58E-06	5.67E-06	2.10E-05	1.85E-06	6.43E-07	3.68E-06	4.39E-07	5.85E-07	1.93E-06	1.33E-07
1980	471327.79	3818719.71	6.94E-06	2.91E-05	2.62E-06	5.78E-06	2.14E-05	1.88E-06	6.55E-07	3.75E-06	4.47E-07	5.96E-07	1.96E-06	1.35E-07
1981	471331.34	3818728.54	7.06E-06	2.96E-05	2.67E-06	5.88E-06	2.18E-05	1.92E-06	6.66E-07	3.82E-06	4.55E-07	6.06E-07	2.00E-06	1.38E-07
1982	471334.89	3818737.37	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.03E-06	1.40E-07
1983	471338.45	3818746.2	7.32E-06	3.07E-05	2.77E-06	6.09E-06	2.26E-05	1.99E-06	6.91E-07	3.96E-06	4.72E-07	6.28E-07	2.07E-06	1.43E-07
1984	471342	3818755.03	7.45E-06	3.13E-05	2.82E-06	6.21E-06	2.30E-05	2.02E-06	7.04E-07	4.03E-06	4.81E-07	6.40E-07	2.11E-06	1.45E-07
1985	471345.56	3818763.85	7.59E-06	3.19E-05	2.87E-06	6.32E-06	2.34E-05	2.06E-06	7.16E-07	4.10E-06	4.89E-07	6.51E-07	2.15E-06	1.48E-07
1986	471349.11	3818772.68	7.73E-06	3.24E-05	2.92E-06	6.44E-06	2.38E-05	2.10E-06	7.30E-07	4.18E-06	4.98E-07	6.63E-07	2.19E-06	1.51E-07
1987	471352.66	3818781.51	7.87E-06	3.30E-05	2.97E-06	6.55E-06	2.43E-05	2.14E-06	7.43E-07	4.25E-06	5.07E-07	6.75E-07	2.23E-06	1.53E-07
1988	471356.22	3818790.34	8.01E-06	3.36E-05	3.03E-06	6.67E-06	2.47E-05	2.17E-06	7.56E-07	4.33E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
1989	471359.77	3818799.16	8.16E-06	3.43E-05	3.09E-06	6.80E-06	2.52E-05	2.21E-06	7.70E-07	4.41E-06	5.26E-07	7.00E-07	2.31E-06	1.59E-07
1990	471363.33	3818807.99	8.31E-06	3.49E-05	3.14E-06	6.92E-06	2.56E-05	2.26E-06	7.85E-07	4.49E-06	5.36E-07	7.13E-07	2.35E-06	1.62E-07
1991	471366.88	3818816.82	8.46E-06	3.55E-05	3.20E-06	7.05E-06	2.61E-05	2.30E-06	7.99E-07	4.57E-06	5.46E-07	7.26E-07	2.40E-06	1.65E-07
1992	471370.43	3818825.65	8.62E-06	3.62E-05	3.26E-06	7.18E-06	2.66E-05	2.34E-06	8.14E-07	4.66E-06	5.56E-07	7.40E-07	2.44E-06	1.68E-07
1993	471373.99	3818834.47	8.78E-06	3.69E-05	3.32E-06	7.31E-06	2.71E-05	2.38E-06	8.29E-07	4.75E-06	5.66E-07	7.54E-07	2.49E-06	1.71E-07
1994	471381.1	3818852.13	9.11E-06	3.82E-05	3.44E-06	7.59E-06	2.81E-05	2.47E-06	8.60E-07	4.92E-06	5.87E-07	7.82E-07	2.58E-06	1.78E-07
1995	471384.65	3818860.96	9.27E-06	3.90E-05	3.51E-06	7.73E-06	2.86E-05	2.52E-06	8.76E-07	5.01E-06	5.98E-07	7.96E-07	2.63E-06	1.81E-07
1996	471388.2	3818869.78	9.45E-06	3.97E-05	3.57E-06	7.87E-06	2.92E-05	2.56E-06	8.92E-07	5.11E-06	6.09E-07	8.11E-07	2.67E-06	1.84E-07
1997	471391.76	3818878.61	9.62E-06	4.04E-05	3.64E-06	8.01E-06	2.97E-05	2.61E-06	9.09E-07	5.20E-06	6.21E-07	8.26E-07	2.72E-06	1.88E-07
1998	471395.31	3818887.44	9.80E-06	4.12E-05	3.71E-06	8.16E-06	3.02E-05	2.66E-06	9.25E-07	5.30E-06	6.32E-07	8.41E-07	2.77E-06	1.91E-07
1999	471398.87	3818896.27	9.98E-06	4.19E-05	3.77E-06	8.31E-06	3.08E-05	2.71E-06	9.42E-07	5.39E-06	6.44E-07	8.57E-07	2.82E-06	1.95E-07
2000	471402.42	3818905.1	1.02E-05	4.27E-05	3.84E-06	8.46E-06	3.14E-05	2.76E-06	9.59E-07	5.49E-06	6.55E-07	8.72E-07	2.88E-06	1.98E-07
2001	471405.97	3818913.92	1.03E-05	4.34E-05	3.91E-06	8.62E-06	3.19E-05	2.81E-06	9.77E-07	5.59E-06	6.67E-07	8.88E-07	2.93E-06	2.02E-07
2002	471409.53	3818922.75	1.05E-05	4.42E-05	3.98E-06	8.77E-06	3.25E-05	2.86E-06	9.94E-07	5.69E-06	6.79E-07	9.04E-07	2.98E-06	2.05E-07
2003	471413.08	3818931.58	1.07E-05	4.50E-05	4.05E-06	8.92E-06	3.31E-05	2.91E-06	1.01E-06	5.79E-06	6.91E-07	9.20E-07	3.03E-06	2.09E-07
2004	471420.19	3818949.23	1.11E-05	4.66E-05	4.19E-06	9.24E-06	3.42E-05	3.01E-06	1.05E-06	5.99E-06	7.15E-07	9.52E-07	3.14E-06	2.16E-07
2005	471423.74	3818958.06	1.13E-05	4.74E-05	4.27E-06	9.40E-06	3.48E-05	3.06E-06	1.07E-06	6.10E-06	7.28E-07	9.68E-07	3.19E-06	2.20E-07
2006	471427.3	3818966.89	1.15E-05	4.82E-05	4.34E-06	9.56E-06	3.54E-05	3.11E-06	1.08E-06	6.20E-06	7.40E-07	9.85E-07	3.25E-06	2.24E-07
2007	471430.85	3818975.72	1.17E-05	4.90E-05	4.41E-06	9.72E-06	3.60E-05	3.17E-06	1.10E-06	6.31E-06	7.52E-07	1.00E-06	3.30E-06	2.28E-07
2008	471434.41	3818984.54	1.19E-05	4.98E-05	4.48E-06	9.88E-06	3.66E-05	3.22E-06	1.12E-06	6.41E-06	7.65E-07	1.02E-06	3.36E-06	2.31E-07
2009	471437.96	3818993.37	1.21E-05	5.06E-05	4.56E-06	1.00E-05	3.72E-05	3.27E-06	1.14E-06	6.51E-06	7.77E-07	1.03E-06	3.41E-06	2.35E-07
2010	471441.51	3819002.2	1.22E-05	5.14E-05	4.63E-06	1.02E-05	3.78E-05	3.32E-06	1.16E-06	6.62E-06	7.90E-07	1.05E-06	3.47E-06	2.39E-07
2011	471445.07	3819011.03	1.24E-05	5.22E-05	4.70E-06	1.04E-05	3.84E-05	3.38E-06	1.17E-06	6.72E-06	8.02E-07	1.07E-06	3.52E-06	2.43E-07
2012	471448.62	3819019.85	1.26E-05	5.30E-05	4.78E-06	1.05E-05	3.90E-05	3.43E-06	1.19E-06	6.83E-06	8.15E-07	1.08E-06	3.57E-06	2.46E-07
2013	471452.18	3819028.68	1.28E-05	5.38E-05	4.85E-06	1.07E-05	3.96E-05	3.48E-06	1.21E-06	6.93E-06	8.27E-07	1.10E-06	3.63E-06	2.50E-07
2014	471462.84	3819055.17	1.34E-05	5.62E-05	5.06E-06	1.12E-05	4.13E-05	3.63E-06	1.26E-06	7.24E-06	8.64E-07	1.15E-06	3.79E-06	2.61E-07
2015	471466.39	3819063.99	1.36E-05	5.70E-05	5.13E-06	1.13E-05	4.19E-05	3.68E-06	1.28E-06	7.34E-06	8.75E-07	1.17E-06	3.84E-06	2.65E-07
2016	471469.94	3819072.82	1.38E-05	5.78E-05	5.20E-06	1.15E-05	4.24E-05	3.73E-06	1.30E-06	7.44E-06	8.87E-07	1.18E-06	3.89E-06	2.68E-07
2017	471473.5	3819081.65	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.32E-06	7.53E-06	8.99E-07	1.20E-06	3.94E-06	2.72E-07

2018	471477.05	3819090.48	1.41E-05	5.92E-05	5.33E-06	1.17E-05	4.35E-05	3.83E-06	1.33E-06	7.63E-06	9.10E-07	1.21E-06	3.99E-06	2.75E-07
2019	471480.61	3819099.3	1.43E-05	6.00E-05	5.40E-06	1.19E-05	4.41E-05	3.88E-06	1.35E-06	7.72E-06	9.21E-07	1.23E-06	4.04E-06	2.79E-07
2020	471484.16	3819108.13	1.44E-05	6.07E-05	5.46E-06	1.20E-05	4.46E-05	3.92E-06	1.36E-06	7.81E-06	9.32E-07	1.24E-06	4.09E-06	2.82E-07
2021	471487.71	3819116.96	1.46E-05	6.14E-05	5.53E-06	1.22E-05	4.51E-05	3.97E-06	1.38E-06	7.90E-06	9.42E-07	1.25E-06	4.14E-06	2.85E-07
2022	471491.27	3819125.79	1.48E-05	6.20E-05	5.59E-06	1.23E-05	4.56E-05	4.01E-06	1.39E-06	7.98E-06	9.53E-07	1.27E-06	4.18E-06	2.88E-07
2023	471494.82	3819134.61	1.49E-05	6.27E-05	5.65E-06	1.24E-05	4.61E-05	4.05E-06	1.41E-06	8.07E-06	9.63E-07	1.28E-06	4.23E-06	2.91E-07
2024	471501.93	3819152.27	1.52E-05	6.39E-05	5.76E-06	1.27E-05	4.70E-05	4.13E-06	1.44E-06	8.23E-06	9.82E-07	1.31E-06	4.31E-06	2.97E-07
2025	471505.48	3819161.1	1.54E-05	6.45E-05	5.81E-06	1.28E-05	4.74E-05	4.17E-06	1.45E-06	8.31E-06	9.91E-07	1.32E-06	4.35E-06	3.00E-07
2026	471509.04	3819169.92	1.55E-05	6.51E-05	5.86E-06	1.29E-05	4.78E-05	4.21E-06	1.46E-06	8.38E-06	1.00E-06	1.33E-06	4.39E-06	3.02E-07
2027	471512.59	3819178.75	1.56E-05	6.56E-05	5.91E-06	1.30E-05	4.82E-05	4.24E-06	1.48E-06	8.45E-06	1.01E-06	1.34E-06	4.42E-06	3.05E-07
2028	471516.15	3819187.58	1.58E-05	6.62E-05	5.96E-06	1.31E-05	4.86E-05	4.28E-06	1.49E-06	8.52E-06	1.02E-06	1.35E-06	4.46E-06	3.07E-07
2029	471519.7	3819196.41	1.59E-05	6.66E-05	6.00E-06	1.32E-05	4.90E-05	4.31E-06	1.50E-06	8.58E-06	1.02E-06	1.36E-06	4.49E-06	3.10E-07
2030	471523.25	3819205.24	1.60E-05	6.71E-05	6.05E-06	1.33E-05	4.93E-05	4.34E-06	1.51E-06	8.64E-06	1.03E-06	1.37E-06	4.52E-06	3.12E-07
2031	471526.81	3819214.06	1.61E-05	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
2032	471530.36	3819222.89	1.62E-05	6.80E-05	6.12E-06	1.35E-05	5.00E-05	4.40E-06	1.53E-06	8.75E-06	1.04E-06	1.39E-06	4.58E-06	3.16E-07
2033	470184.11	3817977.08	1.07E-05	4.50E-05	4.05E-06	8.92E-06	3.30E-05	2.91E-06	1.01E-06	5.79E-06	6.90E-07	9.19E-07	3.03E-06	2.09E-07
2034	470174.55	3817976.94	1.08E-05	4.52E-05	4.07E-06	8.97E-06	3.32E-05	2.92E-06	1.02E-06	5.82E-06	6.94E-07	9.24E-07	3.05E-06	2.10E-07
2035	470164.99	3817976.81	1.08E-05	4.55E-05	4.10E-06	9.02E-06	3.34E-05	2.94E-06	1.02E-06	5.85E-06	6.98E-07	9.30E-07	3.07E-06	2.11E-07
2036	470155.42	3817976.67	1.09E-05	4.57E-05	4.11E-06	9.06E-06	3.36E-05	2.95E-06	1.03E-06	5.88E-06	7.02E-07	9.34E-07	3.08E-06	2.12E-07
2037	470145.86	3817976.54	1.09E-05	4.58E-05	4.13E-06	9.09E-06	3.37E-05	2.96E-06	1.03E-06	5.90E-06	7.04E-07	9.37E-07	3.09E-06	2.13E-07
2038	470136.3	3817976.4	1.09E-05	4.60E-05	4.14E-06	9.12E-06	3.38E-05	2.97E-06	1.03E-06	5.92E-06	7.06E-07	9.40E-07	3.10E-06	2.14E-07
2039	470126.74	3817976.27	1.10E-05	4.60E-05	4.14E-06	9.12E-06	3.38E-05	2.97E-06	1.03E-06	5.92E-06	7.07E-07	9.40E-07	3.10E-06	2.14E-07
2040	470370.21	3817928.85	7.66E-06	3.22E-05	2.90E-06	6.38E-06	2.36E-05	2.08E-06	7.24E-07	4.14E-06	4.94E-07	6.58E-07	2.17E-06	1.50E-07
2041	470378.99	3817932.61	7.58E-06	3.18E-05	2.87E-06	6.31E-06	2.34E-05	2.06E-06	7.15E-07	4.10E-06	4.89E-07	6.50E-07	2.14E-06	1.48E-07
2042	470387.77	3817936.38	7.49E-06	3.15E-05	2.83E-06	6.24E-06	2.31E-05	2.03E-06	7.07E-07	4.05E-06	4.83E-07	6.43E-07	2.12E-06	1.46E-07
2043	470396.55	3817940.15	7.42E-06	3.12E-05	2.81E-06	6.18E-06	2.29E-05	2.01E-06	7.00E-07	4.01E-06	4.78E-07	6.37E-07	2.10E-06	1.45E-07
2044	470405.33	3817943.92	7.35E-06	3.09E-05	2.78E-06	6.12E-06	2.27E-05	2.00E-06	6.94E-07	3.97E-06	4.74E-07	6.31E-07	2.08E-06	1.43E-07
2045	470414.11	3817947.68	7.29E-06	3.06E-05	2.76E-06	6.07E-06	2.25E-05	1.98E-06	6.88E-07	3.94E-06	4.70E-07	6.26E-07	2.06E-06	1.42E-07
2046	470422.88	3817951.45	7.24E-06	3.04E-05	2.74E-06	6.03E-06	2.23E-05	1.96E-06	6.83E-07	3.91E-06	4.67E-07	6.21E-07	2.05E-06	1.41E-07
2047	470431.66	3817955.22	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.03E-06	1.40E-07
2048	470440.44	3817958.99	7.14E-06	3.00E-05	2.70E-06	5.95E-06	2.20E-05	1.94E-06	6.74E-07	3.86E-06	4.60E-07	6.13E-07	2.02E-06	1.39E-07
2049	470449.22	3817962.76	7.09E-06	2.98E-05	2.68E-06	5.91E-06	2.19E-05	1.92E-06	6.70E-07	3.83E-06	4.57E-07	6.09E-07	2.01E-06	1.38E-07
2050	470458	3817966.52	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.04E-06	1.40E-07
2051	470466.78	3817970.29	7.14E-06	3.00E-05	2.70E-06	5.95E-06	2.20E-05	1.94E-06	6.74E-07	3.86E-06	4.60E-07	6.13E-07	2.02E-06	1.39E-07
2052	470475.56	3817974.06	7.08E-06	2.97E-05	2.68E-06	5.90E-06	2.19E-05	1.92E-06	6.69E-07	3.83E-06	4.57E-07	6.08E-07	2.00E-06	1.38E-07
2053	470484.33	3817977.83	7.02E-06	2.95E-05	2.65E-06	5.85E-06	2.17E-05	1.91E-06	6.63E-07	3.79E-06	4.53E-07	6.03E-07	1.99E-06	1.37E-07
2054	470493.11	3817981.6	6.96E-06	2.92E-05	2.63E-06	5.79E-06	2.15E-05	1.89E-06	6.57E-07	3.76E-06	4.49E-07	5.97E-07	1.97E-06	1.36E-07
2055	470501.89	3817985.36	6.89E-06	2.90E-05	2.61E-06	5.74E-06	2.13E-05	1.87E-06	6.51E-07	3.73E-06	4.45E-07	5.92E-07	1.95E-06	1.35E-07
2056	470510.67	3817989.13	6.84E-06	2.87E-05	2.59E-06	5.69E-06	2.11E-05	1.86E-06	6.46E-07	3.70E-06	4.41E-07	5.87E-07	1.93E-06	1.33E-07
2057	470519.45	3817992.9	6.78E-06	2.85E-05	2.56E-06	5.65E-06	2.09E-05	1.84E-06	6.40E-07	3.66E-06	4.37E-07	5.82E-07	1.92E-06	1.32E-07
2058	470528.23	3817996.67	6.73E-06	2.82E-05	2.54E-06	5.60E-06	2.08E-05	1.83E-06	6.35E-07	3.64E-06	4.34E-07	5.77E-07	1.90E-06	1.31E-07
2059	470537	3818000.43	6.67E-06	2.80E-05	2.52E-06	5.55E-06	2.06E-05	1.81E-06	6.30E-07	3.60E-06	4.30E-07	5.72E-07	1.89E-06	1.30E-07
2060	470545.78	3818004.2	6.61E-06	2.78E-05	2.50E-06	5.51E-06	2.04E-05	1.79E-06	6.24E-07	3.57E-06	4.26E-07	5.67E-07	1.87E-06	1.29E-07

2061	470554.56	3818007.97	6.55E-06	2.75E-05	2.48E-06	5.46E-06	2.02E-05	1.78E-06	6.19E-07	3.54E-06	4.23E-07	5.62E-07	1.85E-06	1.28E-07
2062	470563.34	3818011.74	6.50E-06	2.73E-05	2.46E-06	5.41E-06	2.01E-05	1.76E-06	6.14E-07	3.51E-06	4.19E-07	5.58E-07	1.84E-06	1.27E-07
2063	470572.12	3818015.51	6.45E-06	2.71E-05	2.44E-06	5.37E-06	1.99E-05	1.75E-06	6.09E-07	3.48E-06	4.16E-07	5.53E-07	1.82E-06	1.26E-07
2064	470580.9	3818019.27	6.39E-06	2.68E-05	2.42E-06	5.33E-06	1.97E-05	1.74E-06	6.04E-07	3.46E-06	4.12E-07	5.49E-07	1.81E-06	1.25E-07
2065	470589.68	3818023.04	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.99E-07	3.43E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
2066	470598.45	3818026.81	6.29E-06	2.64E-05	2.38E-06	5.24E-06	1.94E-05	1.71E-06	5.94E-07	3.40E-06	4.06E-07	5.40E-07	1.78E-06	1.23E-07
2067	470607.23	3818030.58	6.25E-06	2.62E-05	2.36E-06	5.21E-06	1.93E-05	1.70E-06	5.90E-07	3.38E-06	4.03E-07	5.36E-07	1.77E-06	1.22E-07
2068	470616.01	3818034.34	6.21E-06	2.61E-05	2.35E-06	5.17E-06	1.91E-05	1.68E-06	5.86E-07	3.35E-06	4.00E-07	5.33E-07	1.76E-06	1.21E-07
2069	470624.79	3818038.11	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.82E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
2070	470633.57	3818041.88	6.12E-06	2.57E-05	2.32E-06	5.10E-06	1.89E-05	1.66E-06	5.78E-07	3.31E-06	3.95E-07	5.26E-07	1.73E-06	1.19E-07
2071	470642.35	3818045.65	6.08E-06	2.55E-05	2.30E-06	5.06E-06	1.88E-05	1.65E-06	5.74E-07	3.29E-06	3.92E-07	5.22E-07	1.72E-06	1.19E-07
2072	470651.12	3818049.42	6.04E-06	2.54E-05	2.29E-06	5.03E-06	1.86E-05	1.64E-06	5.71E-07	3.27E-06	3.90E-07	5.19E-07	1.71E-06	1.18E-07
2073	470659.9	3818053.18	5.99E-06	2.52E-05	2.27E-06	4.99E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
2074	470668.68	3818056.95	5.95E-06	2.50E-05	2.25E-06	4.96E-06	1.84E-05	1.62E-06	5.62E-07	3.22E-06	3.84E-07	5.11E-07	1.68E-06	1.16E-07
2075	470677.46	3818060.72	5.91E-06	2.48E-05	2.23E-06	4.92E-06	1.82E-05	1.60E-06	5.58E-07	3.19E-06	3.81E-07	5.07E-07	1.67E-06	1.15E-07
2076	470686.24	3818064.49	5.86E-06	2.46E-05	2.22E-06	4.88E-06	1.81E-05	1.59E-06	5.54E-07	3.17E-06	3.78E-07	5.03E-07	1.66E-06	1.14E-07
2077	470695.02	3818068.25	5.82E-06	2.44E-05	2.20E-06	4.85E-06	1.80E-05	1.58E-06	5.50E-07	3.15E-06	3.75E-07	5.00E-07	1.65E-06	1.14E-07
2078	470703.8	3818072.02	5.78E-06	2.43E-05	2.19E-06	4.81E-06	1.78E-05	1.57E-06	5.46E-07	3.12E-06	3.73E-07	4.96E-07	1.64E-06	1.13E-07
2079	470712.57	3818075.79	5.73E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.41E-07	3.10E-06	3.70E-07	4.92E-07	1.62E-06	1.12E-07
2080	470721.35	3818079.56	5.69E-06	2.39E-05	2.15E-06	4.74E-06	1.75E-05	1.54E-06	5.37E-07	3.07E-06	3.67E-07	4.88E-07	1.61E-06	1.11E-07
2081	470730.13	3818083.33	5.64E-06	2.37E-05	2.13E-06	4.70E-06	1.74E-05	1.53E-06	5.32E-07	3.05E-06	3.64E-07	4.84E-07	1.60E-06	1.10E-07
2082	470738.91	3818087.09	5.59E-06	2.35E-05	2.11E-06	4.66E-06	1.72E-05	1.52E-06	5.28E-07	3.02E-06	3.61E-07	4.80E-07	1.58E-06	1.09E-07
2083	470747.69	3818090.86	5.55E-06	2.33E-05	2.10E-06	4.62E-06	1.71E-05	1.51E-06	5.24E-07	3.00E-06	3.58E-07	4.77E-07	1.57E-06	1.08E-07
2084	470756.47	3818094.63	5.51E-06	2.32E-05	2.08E-06	4.59E-06	1.70E-05	1.50E-06	5.21E-07	2.98E-06	3.56E-07	4.73E-07	1.56E-06	1.08E-07
2085	470765.24	3818098.4	5.47E-06	2.30E-05	2.07E-06	4.56E-06	1.69E-05	1.48E-06	5.17E-07	2.96E-06	3.53E-07	4.70E-07	1.55E-06	1.07E-07
2086	470774.02	3818102.16	5.42E-06	2.28E-05	2.05E-06	4.52E-06	1.67E-05	1.47E-06	5.12E-07	2.93E-06	3.50E-07	4.65E-07	1.53E-06	1.06E-07
2087	470782.8	3818105.93	5.38E-06	2.26E-05	2.03E-06	4.48E-06	1.66E-05	1.46E-06	5.08E-07	2.91E-06	3.47E-07	4.62E-07	1.52E-06	1.05E-07
2088	470791.58	3818109.7	5.33E-06	2.24E-05	2.02E-06	4.44E-06	1.64E-05	1.45E-06	5.03E-07	2.88E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
2089	470800.36	3818113.47	5.29E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.44E-06	4.99E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
2090	470809.14	3818117.24	5.24E-06	2.20E-05	1.98E-06	4.36E-06	1.62E-05	1.42E-06	4.95E-07	2.83E-06	3.38E-07	4.50E-07	1.48E-06	1.02E-07
2091	470817.92	3818121	5.20E-06	2.18E-05	1.96E-06	4.33E-06	1.60E-05	1.41E-06	4.91E-07	2.81E-06	3.35E-07	4.46E-07	1.47E-06	1.01E-07
2092	470826.69	3818124.77	5.15E-06	2.16E-05	1.95E-06	4.29E-06	1.59E-05	1.40E-06	4.86E-07	2.78E-06	3.32E-07	4.42E-07	1.46E-06	1.00E-07
2093	470835.47	3818128.54	5.10E-06	2.14E-05	1.93E-06	4.25E-06	1.57E-05	1.39E-06	4.82E-07	2.76E-06	3.29E-07	4.38E-07	1.44E-06	9.96E-08
2094	470844.25	3818132.31	5.06E-06	2.12E-05	1.91E-06	4.21E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.26E-07	4.34E-07	1.43E-06	9.87E-08
2095	470853.03	3818136.07	5.01E-06	2.10E-05	1.89E-06	4.17E-06	1.55E-05	1.36E-06	4.73E-07	2.71E-06	3.23E-07	4.30E-07	1.42E-06	9.77E-08
2096	470861.81	3818139.84	4.96E-06	2.08E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.69E-07	2.68E-06	3.20E-07	4.26E-07	1.41E-06	9.69E-08
2097	470870.59	3818143.61	4.92E-06	2.06E-05	1.86E-06	4.10E-06	1.52E-05	1.33E-06	4.64E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.59E-08
2098	470879.37	3818147.38	4.87E-06	2.04E-05	1.84E-06	4.06E-06	1.50E-05	1.32E-06	4.60E-07	2.63E-06	3.14E-07	4.18E-07	1.38E-06	9.50E-08
2099	470888.14	3818151.15	4.82E-06	2.02E-05	1.82E-06	4.01E-06	1.49E-05	1.31E-06	4.55E-07	2.61E-06	3.11E-07	4.14E-07	1.36E-06	9.41E-08
2100	470896.92	3818154.91	4.77E-06	2.00E-05	1.80E-06	3.97E-06	1.47E-05	1.30E-06	4.51E-07	2.58E-06	3.08E-07	4.10E-07	1.35E-06	9.31E-08
2101	470905.7	3818158.68	4.72E-06	1.98E-05	1.79E-06	3.93E-06	1.46E-05	1.28E-06	4.46E-07	2.55E-06	3.05E-07	4.06E-07	1.34E-06	9.22E-08
2102	470914.48	3818162.45	4.67E-06	1.96E-05	1.77E-06	3.89E-06	1.44E-05	1.27E-06	4.41E-07	2.53E-06	3.01E-07	4.01E-07	1.32E-06	9.11E-08
2103	470923.26	3818166.22	4.62E-06	1.94E-05	1.75E-06	3.85E-06	1.43E-05	1.25E-06	4.37E-07	2.50E-06	2.98E-07	3.97E-07	1.31E-06	9.02E-08

2104	470932.04	3818169.98	4.57E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.92E-07	1.29E-06	8.92E-08
2105	470940.81	3818173.75	4.51E-06	1.90E-05	1.71E-06	3.76E-06	1.39E-05	1.22E-06	4.26E-07	2.44E-06	2.91E-07	3.87E-07	1.28E-06	8.80E-08
2106	470949.59	3818177.52	4.45E-06	1.87E-05	1.68E-06	3.71E-06	1.37E-05	1.21E-06	4.21E-07	2.41E-06	2.87E-07	3.82E-07	1.26E-06	8.69E-08
2107	470958.37	3818181.29	4.41E-06	1.85E-05	1.67E-06	3.67E-06	1.36E-05	1.20E-06	4.16E-07	2.38E-06	2.84E-07	3.78E-07	1.25E-06	8.60E-08
2108	470967.15	3818185.06	4.36E-06	1.83E-05	1.65E-06	3.63E-06	1.34E-05	1.18E-06	4.12E-07	2.36E-06	2.81E-07	3.74E-07	1.23E-06	8.50E-08
2109	470975.93	3818188.82	4.31E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.41E-08
2110	470984.71	3818192.59	4.27E-06	1.79E-05	1.61E-06	3.55E-06	1.32E-05	1.16E-06	4.03E-07	2.31E-06	2.75E-07	3.66E-07	1.21E-06	8.33E-08
2111	470993.49	3818196.36	4.22E-06	1.77E-05	1.60E-06	3.52E-06	1.30E-05	1.15E-06	3.99E-07	2.28E-06	2.72E-07	3.63E-07	1.20E-06	8.24E-08
2112	471002.26	3818200.13	4.19E-06	1.76E-05	1.58E-06	3.49E-06	1.29E-05	1.14E-06	3.95E-07	2.26E-06	2.70E-07	3.59E-07	1.18E-06	8.17E-08
2113	471011.04	3818203.9	4.14E-06	1.74E-05	1.57E-06	3.45E-06	1.28E-05	1.12E-06	3.91E-07	2.24E-06	2.67E-07	3.56E-07	1.17E-06	8.08E-08
2114	471019.82	3818207.66	4.10E-06	1.72E-05	1.55E-06	3.41E-06	1.26E-05	1.11E-06	3.87E-07	2.22E-06	2.64E-07	3.52E-07	1.16E-06	8.00E-08
2115	471028.6	3818211.43	4.06E-06	1.70E-05	1.53E-06	3.38E-06	1.25E-05	1.10E-06	3.83E-07	2.19E-06	2.62E-07	3.48E-07	1.15E-06	7.91E-08
2116	471037.38	3818215.2	4.01E-06	1.68E-05	1.52E-06	3.34E-06	1.24E-05	1.09E-06	3.79E-07	2.17E-06	2.59E-07	3.44E-07	1.14E-06	7.83E-08
2117	471046.16	3818218.97	3.98E-06	1.67E-05	1.50E-06	3.31E-06	1.23E-05	1.08E-06	3.76E-07	2.15E-06	2.57E-07	3.42E-07	1.13E-06	7.76E-08
2118	471054.93	3818222.73	3.94E-06	1.66E-05	1.49E-06	3.29E-06	1.22E-05	1.07E-06	3.73E-07	2.13E-06	2.54E-07	3.39E-07	1.12E-06	7.70E-08
2119	471063.71	3818226.5	3.91E-06	1.64E-05	1.48E-06	3.25E-06	1.21E-05	1.06E-06	3.69E-07	2.11E-06	2.52E-07	3.35E-07	1.11E-06	7.62E-08
2120	471072.49	3818230.27	3.87E-06	1.62E-05	1.46E-06	3.22E-06	1.19E-05	1.05E-06	3.65E-07	2.09E-06	2.49E-07	3.32E-07	1.09E-06	7.55E-08
2121	471107.61	3818245.34	3.73E-06	1.57E-05	1.41E-06	3.11E-06	1.15E-05	1.01E-06	3.52E-07	2.02E-06	2.40E-07	3.20E-07	1.06E-06	7.27E-08
2122	471116.38	3818249.11	3.69E-06	1.55E-05	1.40E-06	3.08E-06	1.14E-05	1.00E-06	3.49E-07	2.00E-06	2.38E-07	3.17E-07	1.05E-06	7.21E-08
2123	471125.16	3818252.88	3.67E-06	1.54E-05	1.39E-06	3.05E-06	1.13E-05	9.95E-07	3.46E-07	1.98E-06	2.36E-07	3.15E-07	1.04E-06	7.15E-08
2124	471133.94	3818256.64	3.64E-06	1.53E-05	1.38E-06	3.03E-06	1.12E-05	9.87E-07	3.43E-07	1.97E-06	2.35E-07	3.12E-07	1.03E-06	7.10E-08
2125	471142.72	3818260.41	3.61E-06	1.52E-05	1.36E-06	3.01E-06	1.11E-05	9.79E-07	3.41E-07	1.95E-06	2.33E-07	3.10E-07	1.02E-06	7.04E-08
2126	471151.5	3818264.18	3.58E-06	1.50E-05	1.35E-06	2.98E-06	1.10E-05	9.72E-07	3.38E-07	1.93E-06	2.31E-07	3.07E-07	1.01E-06	6.98E-08
2127	471160.28	3818267.95	3.56E-06	1.49E-05	1.34E-06	2.96E-06	1.10E-05	9.65E-07	3.36E-07	1.92E-06	2.29E-07	3.05E-07	1.01E-06	6.94E-08
2128	471169.05	3818271.72	3.53E-06	1.48E-05	1.34E-06	2.94E-06	1.09E-05	9.59E-07	3.33E-07	1.91E-06	2.28E-07	3.03E-07	9.99E-07	6.89E-08
2129	471177.83	3818275.48	3.51E-06	1.47E-05	1.33E-06	2.92E-06	1.08E-05	9.52E-07	3.31E-07	1.90E-06	2.26E-07	3.01E-07	9.93E-07	6.84E-08
2130	471186.61	3818279.25	3.49E-06	1.46E-05	1.32E-06	2.91E-06	1.08E-05	9.47E-07	3.29E-07	1.89E-06	2.25E-07	2.99E-07	9.87E-07	6.81E-08
2131	471195.39	3818283.02	3.47E-06	1.46E-05	1.31E-06	2.89E-06	1.07E-05	9.42E-07	3.28E-07	1.88E-06	2.24E-07	2.98E-07	9.82E-07	6.77E-08
2132	471204.17	3818286.79	3.45E-06	1.45E-05	1.30E-06	2.87E-06	1.06E-05	9.36E-07	3.26E-07	1.86E-06	2.22E-07	2.96E-07	9.76E-07	6.73E-08
2133	471212.95	3818290.55	3.43E-06	1.44E-05	1.30E-06	2.86E-06	1.06E-05	9.31E-07	3.24E-07	1.85E-06	2.21E-07	2.94E-07	9.71E-07	6.69E-08
2134	471221.73	3818294.32	3.42E-06	1.43E-05	1.29E-06	2.84E-06	1.05E-05	9.27E-07	3.23E-07	1.85E-06	2.20E-07	2.93E-07	9.67E-07	6.66E-08
2135	471230.5	3818298.09	3.40E-06	1.43E-05	1.29E-06	2.83E-06	1.05E-05	9.23E-07	3.21E-07	1.84E-06	2.19E-07	2.92E-07	9.63E-07	6.64E-08
2136	471242.85	3818310.72	3.42E-06	1.43E-05	1.29E-06	2.84E-06	1.05E-05	9.27E-07	3.23E-07	1.85E-06	2.20E-07	2.93E-07	9.67E-07	6.66E-08
2137	471246.42	3818319.58	3.44E-06	1.45E-05	1.30E-06	2.87E-06	1.06E-05	9.35E-07	3.25E-07	1.86E-06	2.22E-07	2.96E-07	9.75E-07	6.72E-08
2138	471249.99	3818328.44	3.47E-06	1.46E-05	1.31E-06	2.89E-06	1.07E-05	9.43E-07	3.28E-07	1.88E-06	2.24E-07	2.98E-07	9.83E-07	6.78E-08
2139	471253.55	3818337.3	3.51E-06	1.47E-05	1.33E-06	2.92E-06	1.08E-05	9.52E-07	3.31E-07	1.90E-06	2.26E-07	3.01E-07	9.93E-07	6.84E-08
2140	471257.12	3818346.17	3.54E-06	1.49E-05	1.34E-06	2.95E-06	1.09E-05	9.61E-07	3.34E-07	1.91E-06	2.28E-07	3.04E-07	1.00E-06	6.91E-08
2141	471260.69	3818355.03	3.57E-06	1.50E-05	1.35E-06	2.98E-06	1.10E-05	9.70E-07	3.38E-07	1.93E-06	2.31E-07	3.07E-07	1.01E-06	6.97E-08
2142	471264.26	3818363.89	3.61E-06	1.52E-05	1.37E-06	3.01E-06	1.11E-05	9.81E-07	3.41E-07	1.95E-06	2.33E-07	3.10E-07	1.02E-06	7.05E-08
2143	471267.82	3818372.75	3.65E-06	1.53E-05	1.38E-06	3.04E-06	1.13E-05	9.91E-07	3.45E-07	1.97E-06	2.36E-07	3.13E-07	1.03E-06	7.12E-08
2144	471271.39	3818381.61	3.69E-06	1.55E-05	1.40E-06	3.07E-06	1.14E-05	1.00E-06	3.48E-07	1.99E-06	2.38E-07	3.17E-07	1.04E-06	7.20E-08
2145	471274.96	3818390.47	3.73E-06	1.57E-05	1.41E-06	3.11E-06	1.15E-05	1.01E-06	3.53E-07	2.02E-06	2.41E-07	3.20E-07	1.06E-06	7.28E-08
2146	471278.53	3818399.34	3.78E-06	1.59E-05	1.43E-06	3.15E-06	1.17E-05	1.03E-06	3.57E-07	2.04E-06	2.44E-07	3.24E-07	1.07E-06	7.37E-08

2147	471282.09	3818408.2	3.82E-06	1.60E-05	1.44E-06	3.18E-06	1.18E-05	1.04E-06	3.61E-07	2.06E-06	2.46E-07	3.28E-07	1.08E-06	7.45E-08
2148	471285.66	3818417.06	3.87E-06	1.62E-05	1.46E-06	3.22E-06	1.19E-05	1.05E-06	3.65E-07	2.09E-06	2.49E-07	3.32E-07	1.09E-06	7.55E-08
2149	471289.23	3818425.92	3.92E-06	1.64E-05	1.48E-06	3.26E-06	1.21E-05	1.06E-06	3.70E-07	2.12E-06	2.53E-07	3.36E-07	1.11E-06	7.64E-08
2150	471314.2	3818487.95	4.31E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.41E-08
2151	471317.77	3818496.82	4.37E-06	1.84E-05	1.65E-06	3.64E-06	1.35E-05	1.19E-06	4.13E-07	2.36E-06	2.82E-07	3.75E-07	1.24E-06	8.53E-08
2152	471321.34	3818505.68	4.44E-06	1.86E-05	1.68E-06	3.69E-06	1.37E-05	1.20E-06	4.19E-07	2.40E-06	2.86E-07	3.81E-07	1.26E-06	8.65E-08
2153	471324.91	3818514.54	4.50E-06	1.89E-05	1.70E-06	3.75E-06	1.39E-05	1.22E-06	4.25E-07	2.43E-06	2.90E-07	3.87E-07	1.27E-06	8.79E-08
2154	471328.47	3818523.4	4.57E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.92E-07	1.29E-06	8.92E-08
2155	471332.04	3818532.26	4.64E-06	1.95E-05	1.75E-06	3.86E-06	1.43E-05	1.26E-06	4.38E-07	2.51E-06	2.99E-07	3.98E-07	1.31E-06	9.05E-08
2156	471335.61	3818541.12	4.71E-06	1.98E-05	1.78E-06	3.92E-06	1.45E-05	1.28E-06	4.45E-07	2.55E-06	3.04E-07	4.04E-07	1.33E-06	9.19E-08
2157	471339.18	3818549.99	4.78E-06	2.01E-05	1.81E-06	3.98E-06	1.48E-05	1.30E-06	4.52E-07	2.59E-06	3.08E-07	4.10E-07	1.35E-06	9.33E-08
2158	471342.74	3818558.85	4.86E-06	2.04E-05	1.84E-06	4.05E-06	1.50E-05	1.32E-06	4.59E-07	2.63E-06	3.13E-07	4.17E-07	1.38E-06	9.48E-08
2159	471346.31	3818567.71	4.94E-06	2.07E-05	1.87E-06	4.11E-06	1.52E-05	1.34E-06	4.66E-07	2.67E-06	3.18E-07	4.24E-07	1.40E-06	9.63E-08
2160	471349.88	3818576.57	5.01E-06	2.11E-05	1.90E-06	4.18E-06	1.55E-05	1.36E-06	4.73E-07	2.71E-06	3.23E-07	4.30E-07	1.42E-06	9.78E-08
2161	471353.45	3818585.43	5.09E-06	2.14E-05	1.92E-06	4.24E-06	1.57E-05	1.38E-06	4.81E-07	2.75E-06	3.28E-07	4.37E-07	1.44E-06	9.93E-08
2162	471357.01	3818594.29	5.17E-06	2.17E-05	1.96E-06	4.31E-06	1.60E-05	1.40E-06	4.88E-07	2.80E-06	3.34E-07	4.44E-07	1.46E-06	1.01E-07
2163	471360.58	3818603.16	5.26E-06	2.21E-05	1.99E-06	4.38E-06	1.62E-05	1.43E-06	4.97E-07	2.84E-06	3.39E-07	4.51E-07	1.49E-06	1.03E-07
2164	471364.15	3818612.02	5.34E-06	2.24E-05	2.02E-06	4.45E-06	1.65E-05	1.45E-06	5.04E-07	2.89E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
2165	471367.72	3818620.88	5.43E-06	2.28E-05	2.05E-06	4.52E-06	1.67E-05	1.47E-06	5.12E-07	2.93E-06	3.50E-07	4.66E-07	1.54E-06	1.06E-07
2166	471371.29	3818629.74	5.52E-06	2.32E-05	2.09E-06	4.60E-06	1.70E-05	1.50E-06	5.21E-07	2.98E-06	3.56E-07	4.74E-07	1.56E-06	1.08E-07
2167	471374.85	3818638.6	5.61E-06	2.36E-05	2.12E-06	4.67E-06	1.73E-05	1.52E-06	5.30E-07	3.03E-06	3.62E-07	4.82E-07	1.59E-06	1.09E-07
2168	471378.42	3818647.46	5.70E-06	2.39E-05	2.16E-06	4.75E-06	1.76E-05	1.55E-06	5.38E-07	3.08E-06	3.68E-07	4.89E-07	1.61E-06	1.11E-07
2169	471381.99	3818656.33	5.80E-06	2.43E-05	2.19E-06	4.83E-06	1.79E-05	1.57E-06	5.47E-07	3.13E-06	3.74E-07	4.98E-07	1.64E-06	1.13E-07
2170	471385.56	3818665.19	5.89E-06	2.47E-05	2.23E-06	4.91E-06	1.82E-05	1.60E-06	5.56E-07	3.19E-06	3.80E-07	5.06E-07	1.67E-06	1.15E-07
2171	471389.12	3818674.05	5.99E-06	2.52E-05	2.27E-06	4.99E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
2172	471392.69	3818682.91	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.65E-06	5.76E-07	3.29E-06	3.93E-07	5.23E-07	1.73E-06	1.19E-07
2173	471396.26	3818691.77	6.20E-06	2.60E-05	2.34E-06	5.16E-06	1.91E-05	1.68E-06	5.85E-07	3.35E-06	4.00E-07	5.32E-07	1.75E-06	1.21E-07
2174	471399.83	3818700.63	6.30E-06	2.65E-05	2.38E-06	5.25E-06	1.94E-05	1.71E-06	5.95E-07	3.41E-06	4.06E-07	5.41E-07	1.78E-06	1.23E-07
2175	471403.39	3818709.5	6.41E-06	2.69E-05	2.42E-06	5.34E-06	1.98E-05	1.74E-06	6.05E-07	3.46E-06	4.13E-07	5.50E-07	1.81E-06	1.25E-07
2176	471406.96	3818718.36	6.52E-06	2.74E-05	2.47E-06	5.43E-06	2.01E-05	1.77E-06	6.16E-07	3.52E-06	4.20E-07	5.60E-07	1.85E-06	1.27E-07
2177	471410.53	3818727.22	6.63E-06	2.79E-05	2.51E-06	5.53E-06	2.05E-05	1.80E-06	6.26E-07	3.59E-06	4.28E-07	5.69E-07	1.88E-06	1.29E-07
2178	471414.1	3818736.08	6.75E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
2179	471417.66	3818744.94	6.86E-06	2.88E-05	2.60E-06	5.72E-06	2.12E-05	1.86E-06	6.48E-07	3.71E-06	4.43E-07	5.89E-07	1.94E-06	1.34E-07
2180	471421.23	3818753.8	6.98E-06	2.93E-05	2.64E-06	5.82E-06	2.16E-05	1.90E-06	6.60E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
2181	471424.8	3818762.67	7.11E-06	2.99E-05	2.69E-06	5.92E-06	2.19E-05	1.93E-06	6.71E-07	3.84E-06	4.59E-07	6.10E-07	2.01E-06	1.39E-07
2182	471428.37	3818771.53	7.24E-06	3.04E-05	2.74E-06	6.03E-06	2.23E-05	1.96E-06	6.83E-07	3.91E-06	4.67E-07	6.21E-07	2.05E-06	1.41E-07
2183	471431.94	3818780.39	7.36E-06	3.09E-05	2.78E-06	6.13E-06	2.27E-05	2.00E-06	6.95E-07	3.98E-06	4.75E-07	6.32E-07	2.08E-06	1.44E-07
2184	471435.5	3818789.25	7.49E-06	3.15E-05	2.83E-06	6.24E-06	2.31E-05	2.03E-06	7.07E-07	4.05E-06	4.83E-07	6.43E-07	2.12E-06	1.46E-07
2185	471439.07	3818798.11	7.62E-06	3.20E-05	2.88E-06	6.35E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.92E-07	6.55E-07	2.16E-06	1.49E-07
2186	471442.64	3818806.97	7.76E-06	3.26E-05	2.93E-06	6.46E-06	2.39E-05	2.11E-06	7.33E-07	4.19E-06	5.00E-07	6.66E-07	2.20E-06	1.51E-07
2187	471446.21	3818815.84	7.89E-06	3.32E-05	2.99E-06	6.58E-06	2.44E-05	2.14E-06	7.45E-07	4.27E-06	5.09E-07	6.78E-07	2.23E-06	1.54E-07
2188	471449.77	3818824.7	8.04E-06	3.38E-05	3.04E-06	6.70E-06	2.48E-05	2.18E-06	7.59E-07	4.35E-06	5.18E-07	6.90E-07	2.28E-06	1.57E-07
2189	471453.34	3818833.56	8.18E-06	3.43E-05	3.09E-06	6.81E-06	2.52E-05	2.22E-06	7.72E-07	4.42E-06	5.27E-07	7.02E-07	2.31E-06	1.60E-07

2190	471460.48	3818851.28	8.47E-06	3.56E-05	3.20E-06	7.06E-06	2.61E-05	2.30E-06	8.00E-07	4.58E-06	5.46E-07	7.27E-07	2.40E-06	1.65E-07
2191	471464.04	3818860.14	8.62E-06	3.62E-05	3.26E-06	7.18E-06	2.66E-05	2.34E-06	8.14E-07	4.66E-06	5.56E-07	7.40E-07	2.44E-06	1.68E-07
2192	471467.61	3818869.01	8.77E-06	3.68E-05	3.32E-06	7.30E-06	2.71E-05	2.38E-06	8.28E-07	4.74E-06	5.66E-07	7.53E-07	2.48E-06	1.71E-07
2193	471471.18	3818877.87	8.92E-06	3.75E-05	3.37E-06	7.43E-06	2.75E-05	2.42E-06	8.43E-07	4.82E-06	5.76E-07	7.66E-07	2.53E-06	1.74E-07
2194	471474.75	3818886.73	9.08E-06	3.81E-05	3.43E-06	7.56E-06	2.80E-05	2.46E-06	8.57E-07	4.91E-06	5.86E-07	7.79E-07	2.57E-06	1.77E-07
2195	471478.31	3818895.59	9.24E-06	3.88E-05	3.49E-06	7.69E-06	2.85E-05	2.51E-06	8.72E-07	4.99E-06	5.96E-07	7.93E-07	2.61E-06	1.80E-07
2196	471481.88	3818904.45	9.40E-06	3.95E-05	3.55E-06	7.83E-06	2.90E-05	2.55E-06	8.87E-07	5.08E-06	6.06E-07	8.07E-07	2.66E-06	1.83E-07
2197	471485.45	3818913.31	9.55E-06	4.01E-05	3.61E-06	7.96E-06	2.95E-05	2.59E-06	9.02E-07	5.16E-06	6.16E-07	8.20E-07	2.70E-06	1.86E-07
2198	471489.02	3818922.18	9.71E-06	4.08E-05	3.67E-06	8.09E-06	3.00E-05	2.64E-06	9.17E-07	5.25E-06	6.26E-07	8.34E-07	2.75E-06	1.90E-07
2199	471492.59	3818931.04	9.88E-06	4.15E-05	3.74E-06	8.23E-06	3.05E-05	2.68E-06	9.33E-07	5.34E-06	6.37E-07	8.48E-07	2.80E-06	1.93E-07
2200	471499.72	3818948.76	1.02E-05	4.28E-05	3.86E-06	8.50E-06	3.15E-05	2.77E-06	9.63E-07	5.52E-06	6.58E-07	8.76E-07	2.89E-06	1.99E-07
2201	471503.29	3818957.62	1.04E-05	4.35E-05	3.92E-06	8.64E-06	3.20E-05	2.81E-06	9.79E-07	5.60E-06	6.69E-07	8.90E-07	2.93E-06	2.02E-07
2202	471506.86	3818966.49	1.05E-05	4.42E-05	3.98E-06	8.78E-06	3.25E-05	2.86E-06	9.95E-07	5.70E-06	6.80E-07	9.04E-07	2.98E-06	2.06E-07
2203	471510.42	3818975.35	1.07E-05	4.49E-05	4.05E-06	8.91E-06	3.30E-05	2.90E-06	1.01E-06	5.78E-06	6.90E-07	9.18E-07	3.03E-06	2.09E-07
2204	471513.99	3818984.21	1.09E-05	4.56E-05	4.11E-06	9.05E-06	3.35E-05	2.95E-06	1.03E-06	5.87E-06	7.01E-07	9.32E-07	3.07E-06	2.12E-07
2205	471517.56	3818993.07	1.10E-05	4.63E-05	4.17E-06	9.18E-06	3.40E-05	2.99E-06	1.04E-06	5.96E-06	7.11E-07	9.47E-07	3.12E-06	2.15E-07
2206	471521.13	3819001.93	1.12E-05	4.70E-05	4.23E-06	9.32E-06	3.45E-05	3.04E-06	1.06E-06	6.05E-06	7.22E-07	9.61E-07	3.17E-06	2.18E-07
2207	471524.69	3819010.79	1.14E-05	4.77E-05	4.30E-06	9.46E-06	3.50E-05	3.08E-06	1.07E-06	6.14E-06	7.33E-07	9.75E-07	3.21E-06	2.22E-07
2208	471528.26	3819019.66	1.15E-05	4.84E-05	4.36E-06	9.60E-06	3.56E-05	3.13E-06	1.09E-06	6.23E-06	7.43E-07	9.89E-07	3.26E-06	2.25E-07
2209	471531.83	3819028.52	1.17E-05	4.91E-05	4.42E-06	9.73E-06	3.60E-05	3.17E-06	1.10E-06	6.31E-06	7.53E-07	1.00E-06	3.31E-06	2.28E-07
2210	471542.53	3819055.1	1.22E-05	5.10E-05	4.60E-06	1.01E-05	3.75E-05	3.30E-06	1.15E-06	6.57E-06	7.84E-07	1.04E-06	3.44E-06	2.37E-07
2211	471546.1	3819063.96	1.23E-05	5.17E-05	4.66E-06	1.03E-05	3.80E-05	3.34E-06	1.16E-06	6.65E-06	7.94E-07	1.06E-06	3.48E-06	2.40E-07
2212	471549.67	3819072.83	1.25E-05	5.23E-05	4.71E-06	1.04E-05	3.84E-05	3.38E-06	1.18E-06	6.74E-06	8.04E-07	1.07E-06	3.53E-06	2.43E-07
2213	471553.24	3819081.69	1.26E-05	5.30E-05	4.77E-06	1.05E-05	3.89E-05	3.42E-06	1.19E-06	6.82E-06	8.14E-07	1.08E-06	3.57E-06	2.46E-07
2214	471556.8	3819090.55	1.28E-05	5.36E-05	4.83E-06	1.06E-05	3.94E-05	3.46E-06	1.21E-06	6.90E-06	8.23E-07	1.10E-06	3.61E-06	2.49E-07
2215	471560.37	3819099.41	1.29E-05	5.42E-05	4.88E-06	1.08E-05	3.98E-05	3.50E-06	1.22E-06	6.98E-06	8.32E-07	1.11E-06	3.65E-06	2.52E-07
2216	471563.94	3819108.27	1.30E-05	5.48E-05	4.93E-06	1.09E-05	4.03E-05	3.54E-06	1.23E-06	7.05E-06	8.42E-07	1.12E-06	3.69E-06	2.55E-07
2217	471567.51	3819117.13	1.32E-05	5.54E-05	4.98E-06	1.10E-05	4.07E-05	3.58E-06	1.24E-06	7.13E-06	8.50E-07	1.13E-06	3.73E-06	2.57E-07
2218	471571.07	3819126	1.33E-05	5.59E-05	5.04E-06	1.11E-05	4.11E-05	3.61E-06	1.26E-06	7.20E-06	8.59E-07	1.14E-06	3.77E-06	2.60E-07
2219	471574.64	3819134.86	1.34E-05	5.65E-05	5.09E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.27E-06	8.67E-07	1.15E-06	3.81E-06	2.62E-07
2220	471581.78	3819152.58	1.37E-05	5.75E-05	5.18E-06	1.14E-05	4.22E-05	3.72E-06	1.29E-06	7.40E-06	8.83E-07	1.18E-06	3.88E-06	2.67E-07
2221	471585.34	3819161.44	1.38E-05	5.80E-05	5.22E-06	1.15E-05	4.26E-05	3.75E-06	1.30E-06	7.47E-06	8.91E-07	1.19E-06	3.91E-06	2.69E-07
2222	471588.91	3819170.3	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.31E-06	7.53E-06	8.98E-07	1.20E-06	3.94E-06	2.72E-07
2223	471592.48	3819179.17	1.40E-05	5.89E-05	5.31E-06	1.17E-05	4.33E-05	3.81E-06	1.33E-06	7.59E-06	9.05E-07	1.20E-06	3.97E-06	2.74E-07
2224	471596.05	3819188.03	1.41E-05	5.94E-05	5.35E-06	1.18E-05	4.36E-05	3.84E-06	1.33E-06	7.64E-06	9.12E-07	1.21E-06	4.00E-06	2.76E-07
2225	471599.61	3819196.89	1.42E-05	5.98E-05	5.38E-06	1.19E-05	4.39E-05	3.86E-06	1.34E-06	7.69E-06	9.18E-07	1.22E-06	4.03E-06	2.78E-07
2226	471603.18	3819205.75	1.43E-05	6.01E-05	5.42E-06	1.19E-05	4.42E-05	3.89E-06	1.35E-06	7.74E-06	9.24E-07	1.23E-06	4.05E-06	2.79E-07
2227	471606.75	3819214.61	1.44E-05	6.05E-05	5.45E-06	1.20E-05	4.45E-05	3.91E-06	1.36E-06	7.79E-06	9.30E-07	1.24E-06	4.08E-06	2.81E-07
2228	471610.32	3819223.47	1.45E-05	6.09E-05	5.48E-06	1.21E-05	4.47E-05	3.93E-06	1.37E-06	7.84E-06	9.35E-07	1.24E-06	4.10E-06	2.83E-07
2229	470146.99	3817896.54	9.79E-06	4.11E-05	3.70E-06	8.16E-06	3.02E-05	2.66E-06	9.25E-07	5.29E-06	6.32E-07	8.41E-07	2.77E-06	1.91E-07
2230	470137.43	3817896.41	9.82E-06	4.13E-05	3.72E-06	8.18E-06	3.03E-05	2.67E-06	9.28E-07	5.31E-06	6.34E-07	8.43E-07	2.78E-06	1.92E-07
2231	470127.87	3817896.27	9.84E-06	4.13E-05	3.72E-06	8.19E-06	3.04E-05	2.67E-06	9.29E-07	5.32E-06	6.35E-07	8.45E-07	2.78E-06	1.92E-07
2232	470309.85	3817822.46	7.44E-06	3.13E-05	2.81E-06	6.20E-06	2.30E-05	2.02E-06	7.03E-07	4.02E-06	4.80E-07	6.39E-07	2.11E-06	1.45E-07

2233	470318.58	3817826.21	7.38E-06	3.10E-05	2.79E-06	6.15E-06	2.28E-05	2.00E-06	6.97E-07	3.99E-06	4.76E-07	6.33E-07	2.09E-06	1.44E-07
2234	470327.31	3817829.95	7.32E-06	3.07E-05	2.77E-06	6.10E-06	2.26E-05	1.99E-06	6.91E-07	3.96E-06	4.72E-07	6.29E-07	2.07E-06	1.43E-07
2235	470336.04	3817833.7	7.26E-06	3.05E-05	2.75E-06	6.05E-06	2.24E-05	1.97E-06	6.86E-07	3.93E-06	4.69E-07	6.24E-07	2.06E-06	1.42E-07
2236	470344.77	3817837.45	7.22E-06	3.03E-05	2.73E-06	6.01E-06	2.23E-05	1.96E-06	6.81E-07	3.90E-06	4.65E-07	6.19E-07	2.04E-06	1.41E-07
2237	470353.5	3817841.2	7.17E-06	3.01E-05	2.71E-06	5.97E-06	2.21E-05	1.95E-06	6.77E-07	3.87E-06	4.62E-07	6.15E-07	2.03E-06	1.40E-07
2238	470362.24	3817844.94	7.17E-06	3.01E-05	2.71E-06	5.97E-06	2.21E-05	1.95E-06	6.77E-07	3.87E-06	4.62E-07	6.15E-07	2.03E-06	1.40E-07
2239	470370.97	3817848.69	7.11E-06	2.99E-05	2.69E-06	5.93E-06	2.20E-05	1.93E-06	6.72E-07	3.85E-06	4.59E-07	6.11E-07	2.01E-06	1.39E-07
2240	470379.7	3817852.44	7.07E-06	2.97E-05	2.67E-06	5.89E-06	2.18E-05	1.92E-06	6.67E-07	3.82E-06	4.56E-07	6.07E-07	2.00E-06	1.38E-07
2241	470388.43	3817856.19	7.01E-06	2.95E-05	2.65E-06	5.84E-06	2.16E-05	1.90E-06	6.62E-07	3.79E-06	4.52E-07	6.02E-07	1.99E-06	1.37E-07
2242	470397.16	3817859.93	6.96E-06	2.92E-05	2.63E-06	5.80E-06	2.15E-05	1.89E-06	6.57E-07	3.76E-06	4.49E-07	5.98E-07	1.97E-06	1.36E-07
2243	470405.89	3817863.68	6.90E-06	2.90E-05	2.61E-06	5.75E-06	2.13E-05	1.87E-06	6.52E-07	3.73E-06	4.45E-07	5.93E-07	1.95E-06	1.35E-07
2244	470414.62	3817867.43	6.85E-06	2.88E-05	2.59E-06	5.71E-06	2.11E-05	1.86E-06	6.47E-07	3.70E-06	4.42E-07	5.88E-07	1.94E-06	1.34E-07
2245	470423.35	3817871.18	6.80E-06	2.85E-05	2.57E-06	5.66E-06	2.10E-05	1.85E-06	6.42E-07	3.67E-06	4.38E-07	5.84E-07	1.92E-06	1.33E-07
2246	470432.09	3817874.93	6.74E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
2247	470440.82	3817878.67	6.69E-06	2.81E-05	2.53E-06	5.57E-06	2.06E-05	1.82E-06	6.31E-07	3.61E-06	4.31E-07	5.74E-07	1.89E-06	1.30E-07
2248	470449.55	3817882.42	6.62E-06	2.78E-05	2.51E-06	5.52E-06	2.04E-05	1.80E-06	6.26E-07	3.58E-06	4.27E-07	5.69E-07	1.88E-06	1.29E-07
2249	470458.28	3817886.17	6.56E-06	2.76E-05	2.48E-06	5.47E-06	2.02E-05	1.78E-06	6.20E-07	3.55E-06	4.23E-07	5.63E-07	1.86E-06	1.28E-07
2250	470467.01	3817889.92	6.50E-06	2.73E-05	2.46E-06	5.42E-06	2.01E-05	1.77E-06	6.14E-07	3.52E-06	4.20E-07	5.58E-07	1.84E-06	1.27E-07
2251	470475.74	3817893.66	6.45E-06	2.71E-05	2.44E-06	5.37E-06	1.99E-05	1.75E-06	6.09E-07	3.48E-06	4.16E-07	5.53E-07	1.82E-06	1.26E-07
2252	470484.47	3817897.41	6.39E-06	2.68E-05	2.42E-06	5.33E-06	1.97E-05	1.74E-06	6.04E-07	3.46E-06	4.12E-07	5.49E-07	1.81E-06	1.25E-07
2253	470493.21	3817901.16	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.98E-07	3.42E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
2254	470501.94	3817904.91	6.28E-06	2.64E-05	2.38E-06	5.23E-06	1.94E-05	1.71E-06	5.93E-07	3.40E-06	4.05E-07	5.39E-07	1.78E-06	1.23E-07
2255	470510.67	3817908.65	6.23E-06	2.62E-05	2.36E-06	5.19E-06	1.92E-05	1.69E-06	5.88E-07	3.37E-06	4.02E-07	5.35E-07	1.76E-06	1.22E-07
2256	470519.4	3817912.4	6.18E-06	2.59E-05	2.34E-06	5.14E-06	1.91E-05	1.68E-06	5.83E-07	3.34E-06	3.98E-07	5.30E-07	1.75E-06	1.21E-07
2257	470528.13	3817916.15	6.12E-06	2.57E-05	2.32E-06	5.10E-06	1.89E-05	1.66E-06	5.78E-07	3.31E-06	3.95E-07	5.26E-07	1.73E-06	1.19E-07
2258	470536.86	3817919.9	6.07E-06	2.55E-05	2.29E-06	5.05E-06	1.87E-05	1.65E-06	5.73E-07	3.28E-06	3.91E-07	5.21E-07	1.72E-06	1.18E-07
2259	470545.59	3817923.64	6.01E-06	2.53E-05	2.27E-06	5.01E-06	1.86E-05	1.63E-06	5.68E-07	3.25E-06	3.88E-07	5.16E-07	1.70E-06	1.17E-07
2260	470554.32	3817927.39	5.97E-06	2.51E-05	2.26E-06	4.97E-06	1.84E-05	1.62E-06	5.63E-07	3.22E-06	3.85E-07	5.12E-07	1.69E-06	1.16E-07
2261	470563.06	3817931.14	5.92E-06	2.48E-05	2.24E-06	4.93E-06	1.83E-05	1.61E-06	5.59E-07	3.20E-06	3.82E-07	5.08E-07	1.67E-06	1.15E-07
2262	470571.79	3817934.89	5.87E-06	2.46E-05	2.22E-06	4.89E-06	1.81E-05	1.59E-06	5.54E-07	3.17E-06	3.79E-07	5.04E-07	1.66E-06	1.15E-07
2263	470580.52	3817938.63	5.83E-06	2.45E-05	2.20E-06	4.85E-06	1.80E-05	1.58E-06	5.50E-07	3.15E-06	3.76E-07	5.00E-07	1.65E-06	1.14E-07
2264	470589.25	3817942.38	5.78E-06	2.43E-05	2.19E-06	4.81E-06	1.78E-05	1.57E-06	5.46E-07	3.12E-06	3.73E-07	4.96E-07	1.64E-06	1.13E-07
2265	470597.98	3817946.13	5.73E-06	2.41E-05	2.17E-06	4.77E-06	1.77E-05	1.56E-06	5.41E-07	3.10E-06	3.70E-07	4.92E-07	1.62E-06	1.12E-07
2266	470606.71	3817949.88	5.69E-06	2.39E-05	2.15E-06	4.74E-06	1.75E-05	1.54E-06	5.37E-07	3.07E-06	3.67E-07	4.88E-07	1.61E-06	1.11E-07
2267	470615.44	3817953.62	5.64E-06	2.37E-05	2.13E-06	4.70E-06	1.74E-05	1.53E-06	5.33E-07	3.05E-06	3.64E-07	4.84E-07	1.60E-06	1.10E-07
2268	470624.18	3817957.37	5.60E-06	2.35E-05	2.12E-06	4.66E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.58E-06	1.09E-07
2269	470632.91	3817961.12	5.56E-06	2.33E-05	2.10E-06	4.63E-06	1.71E-05	1.51E-06	5.25E-07	3.00E-06	3.58E-07	4.77E-07	1.57E-06	1.08E-07
2270	470641.64	3817964.87	5.52E-06	2.32E-05	2.09E-06	4.60E-06	1.70E-05	1.50E-06	5.21E-07	2.98E-06	3.56E-07	4.74E-07	1.56E-06	1.08E-07
2271	470650.37	3817968.61	5.48E-06	2.30E-05	2.07E-06	4.56E-06	1.69E-05	1.49E-06	5.17E-07	2.96E-06	3.53E-07	4.70E-07	1.55E-06	1.07E-07
2272	470659.1	3817972.36	5.44E-06	2.28E-05	2.06E-06	4.53E-06	1.68E-05	1.48E-06	5.14E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
2273	470667.83	3817976.11	5.40E-06	2.27E-05	2.04E-06	4.50E-06	1.67E-05	1.47E-06	5.10E-07	2.92E-06	3.48E-07	4.63E-07	1.53E-06	1.05E-07
2274	470676.56	3817979.86	5.36E-06	2.25E-05	2.03E-06	4.46E-06	1.65E-05	1.45E-06	5.06E-07	2.90E-06	3.46E-07	4.60E-07	1.52E-06	1.05E-07
2275	470685.29	3817983.6	5.32E-06	2.23E-05	2.01E-06	4.43E-06	1.64E-05	1.44E-06	5.02E-07	2.87E-06	3.43E-07	4.56E-07	1.50E-06	1.04E-07

2276	470694.03	3817987.35	5.28E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
2277	470702.76	3817991.1	5.24E-06	2.20E-05	1.98E-06	4.36E-06	1.62E-05	1.42E-06	4.95E-07	2.83E-06	3.38E-07	4.50E-07	1.48E-06	1.02E-07
2278	470711.49	3817994.85	5.21E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.41E-06	4.92E-07	2.81E-06	3.36E-07	4.47E-07	1.47E-06	1.02E-07
2279	470720.22	3817998.6	5.16E-06	2.17E-05	1.95E-06	4.30E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.33E-07	4.43E-07	1.46E-06	1.01E-07
2280	470728.95	3818002.34	5.12E-06	2.15E-05	1.94E-06	4.27E-06	1.58E-05	1.39E-06	4.84E-07	2.77E-06	3.30E-07	4.40E-07	1.45E-06	1.00E-07
2281	470737.68	3818006.09	5.08E-06	2.14E-05	1.92E-06	4.24E-06	1.57E-05	1.38E-06	4.80E-07	2.75E-06	3.28E-07	4.37E-07	1.44E-06	9.92E-08
2282	470746.41	3818009.84	5.05E-06	2.12E-05	1.91E-06	4.20E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.25E-07	4.33E-07	1.43E-06	9.85E-08
2283	470755.15	3818013.59	5.01E-06	2.10E-05	1.89E-06	4.17E-06	1.55E-05	1.36E-06	4.73E-07	2.71E-06	3.23E-07	4.30E-07	1.42E-06	9.77E-08
2284	470763.88	3818017.33	4.97E-06	2.09E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.69E-07	2.69E-06	3.21E-07	4.27E-07	1.41E-06	9.70E-08
2285	470772.61	3818021.08	4.93E-06	2.07E-05	1.86E-06	4.11E-06	1.52E-05	1.34E-06	4.66E-07	2.67E-06	3.18E-07	4.23E-07	1.40E-06	9.62E-08
2286	470781.34	3818024.83	4.89E-06	2.05E-05	1.85E-06	4.08E-06	1.51E-05	1.33E-06	4.62E-07	2.64E-06	3.16E-07	4.20E-07	1.38E-06	9.55E-08
2287	470790.07	3818028.58	4.86E-06	2.04E-05	1.84E-06	4.05E-06	1.50E-05	1.32E-06	4.59E-07	2.63E-06	3.13E-07	4.17E-07	1.38E-06	9.48E-08
2288	470798.8	3818032.32	4.83E-06	2.03E-05	1.82E-06	4.02E-06	1.49E-05	1.31E-06	4.56E-07	2.61E-06	3.11E-07	4.14E-07	1.37E-06	9.42E-08
2289	470807.53	3818036.07	4.79E-06	2.01E-05	1.81E-06	3.99E-06	1.48E-05	1.30E-06	4.52E-07	2.59E-06	3.09E-07	4.11E-07	1.36E-06	9.35E-08
2290	470816.26	3818039.82	4.76E-06	2.00E-05	1.80E-06	3.96E-06	1.47E-05	1.29E-06	4.49E-07	2.57E-06	3.07E-07	4.08E-07	1.35E-06	9.28E-08
2291	470825	3818043.57	4.72E-06	1.98E-05	1.79E-06	3.93E-06	1.46E-05	1.28E-06	4.46E-07	2.55E-06	3.05E-07	4.06E-07	1.34E-06	9.22E-08
2292	470833.73	3818047.31	4.69E-06	1.97E-05	1.77E-06	3.91E-06	1.45E-05	1.27E-06	4.43E-07	2.54E-06	3.03E-07	4.03E-07	1.33E-06	9.15E-08
2293	470842.46	3818051.06	4.65E-06	1.95E-05	1.76E-06	3.87E-06	1.44E-05	1.26E-06	4.39E-07	2.51E-06	3.00E-07	3.99E-07	1.32E-06	9.08E-08
2294	470851.19	3818054.81	4.61E-06	1.94E-05	1.74E-06	3.84E-06	1.42E-05	1.25E-06	4.36E-07	2.49E-06	2.98E-07	3.96E-07	1.31E-06	9.00E-08
2295	470859.92	3818058.56	4.57E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.93E-07	1.29E-06	8.93E-08
2296	470868.65	3818062.3	4.54E-06	1.91E-05	1.72E-06	3.78E-06	1.40E-05	1.23E-06	4.29E-07	2.45E-06	2.93E-07	3.90E-07	1.29E-06	8.86E-08
2297	470877.38	3818066.05	4.50E-06	1.89E-05	1.70E-06	3.75E-06	1.39E-05	1.22E-06	4.25E-07	2.43E-06	2.90E-07	3.87E-07	1.27E-06	8.79E-08
2298	470886.12	3818069.8	4.46E-06	1.87E-05	1.69E-06	3.72E-06	1.38E-05	1.21E-06	4.22E-07	2.41E-06	2.88E-07	3.83E-07	1.26E-06	8.71E-08
2299	470894.85	3818073.55	4.43E-06	1.86E-05	1.68E-06	3.69E-06	1.37E-05	1.20E-06	4.18E-07	2.40E-06	2.86E-07	3.80E-07	1.25E-06	8.65E-08
2300	470903.58	3818077.29	4.39E-06	1.84E-05	1.66E-06	3.66E-06	1.36E-05	1.19E-06	4.15E-07	2.37E-06	2.83E-07	3.77E-07	1.24E-06	8.57E-08
2301	470912.31	3818081.04	4.35E-06	1.83E-05	1.65E-06	3.63E-06	1.34E-05	1.18E-06	4.11E-07	2.35E-06	2.81E-07	3.74E-07	1.23E-06	8.50E-08
2302	470921.04	3818084.79	4.32E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.42E-08
2303	470929.77	3818088.54	4.28E-06	1.80E-05	1.62E-06	3.57E-06	1.32E-05	1.16E-06	4.04E-07	2.31E-06	2.76E-07	3.68E-07	1.21E-06	8.35E-08
2304	470938.5	3818092.28	4.24E-06	1.78E-05	1.60E-06	3.53E-06	1.31E-05	1.15E-06	4.01E-07	2.29E-06	2.74E-07	3.64E-07	1.20E-06	8.28E-08
2305	470947.24	3818096.03	4.20E-06	1.77E-05	1.59E-06	3.50E-06	1.30E-05	1.14E-06	3.97E-07	2.27E-06	2.71E-07	3.61E-07	1.19E-06	8.20E-08
2306	470955.97	3818099.78	4.16E-06	1.75E-05	1.57E-06	3.47E-06	1.28E-05	1.13E-06	3.93E-07	2.25E-06	2.68E-07	3.57E-07	1.18E-06	8.12E-08
2307	470964.7	3818103.53	4.12E-06	1.73E-05	1.56E-06	3.43E-06	1.27E-05	1.12E-06	3.89E-07	2.23E-06	2.66E-07	3.54E-07	1.17E-06	8.03E-08
2308	470973.43	3818107.27	4.07E-06	1.71E-05	1.54E-06	3.39E-06	1.26E-05	1.11E-06	3.85E-07	2.20E-06	2.63E-07	3.50E-07	1.15E-06	7.95E-08
2309	470982.16	3818111.02	4.03E-06	1.69E-05	1.52E-06	3.36E-06	1.24E-05	1.09E-06	3.81E-07	2.18E-06	2.60E-07	3.46E-07	1.14E-06	7.87E-08
2310	470990.89	3818114.77	3.98E-06	1.67E-05	1.51E-06	3.32E-06	1.23E-05	1.08E-06	3.76E-07	2.15E-06	2.57E-07	3.42E-07	1.13E-06	7.77E-08
2311	470999.62	3818118.52	3.94E-06	1.65E-05	1.49E-06	3.28E-06	1.22E-05	1.07E-06	3.72E-07	2.13E-06	2.54E-07	3.38E-07	1.12E-06	7.69E-08
2312	471008.35	3818122.26	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.59E-08
2313	471017.09	3818126.01	3.86E-06	1.62E-05	1.46E-06	3.21E-06	1.19E-05	1.05E-06	3.64E-07	2.09E-06	2.49E-07	3.31E-07	1.09E-06	7.53E-08
2314	471025.82	3818129.76	3.82E-06	1.61E-05	1.45E-06	3.19E-06	1.18E-05	1.04E-06	3.61E-07	2.07E-06	2.47E-07	3.28E-07	1.08E-06	7.46E-08
2315	471034.55	3818133.51	3.79E-06	1.59E-05	1.43E-06	3.16E-06	1.17E-05	1.03E-06	3.58E-07	2.05E-06	2.45E-07	3.25E-07	1.07E-06	7.40E-08
2316	471043.28	3818137.26	3.76E-06	1.58E-05	1.42E-06	3.13E-06	1.16E-05	1.02E-06	3.55E-07	2.03E-06	2.43E-07	3.23E-07	1.06E-06	7.34E-08
2317	471052.01	3818141	3.72E-06	1.56E-05	1.41E-06	3.10E-06	1.15E-05	1.01E-06	3.52E-07	2.01E-06	2.40E-07	3.20E-07	1.05E-06	7.27E-08
2318	471060.74	3818144.75	3.68E-06	1.55E-05	1.39E-06	3.07E-06	1.14E-05	1.00E-06	3.48E-07	1.99E-06	2.38E-07	3.16E-07	1.04E-06	7.19E-08

2319	471069.47	3818148.5	3.65E-06	1.53E-05	1.38E-06	3.04E-06	1.13E-05	9.90E-07	3.44E-07	1.97E-06	2.35E-07	3.13E-07	1.03E-06	7.11E-08
2320	471078.21	3818152.25	3.61E-06	1.52E-05	1.37E-06	3.01E-06	1.11E-05	9.81E-07	3.41E-07	1.95E-06	2.33E-07	3.10E-07	1.02E-06	7.05E-08
2321	471086.94	3818155.99	3.57E-06	1.50E-05	1.35E-06	2.98E-06	1.10E-05	9.70E-07	3.38E-07	1.93E-06	2.31E-07	3.07E-07	1.01E-06	6.97E-08
2322	471095.67	3818159.74	3.54E-06	1.49E-05	1.34E-06	2.95E-06	1.09E-05	9.61E-07	3.34E-07	1.91E-06	2.28E-07	3.04E-07	1.00E-06	6.91E-08
2323	471104.4	3818163.49	3.51E-06	1.47E-05	1.33E-06	2.92E-06	1.08E-05	9.52E-07	3.31E-07	1.90E-06	2.26E-07	3.01E-07	9.93E-07	6.84E-08
2324	471139.32	3818178.48	3.38E-06	1.42E-05	1.28E-06	2.81E-06	1.04E-05	9.17E-07	3.19E-07	1.83E-06	2.18E-07	2.90E-07	9.56E-07	6.59E-08
2325	471148.06	3818182.23	3.35E-06	1.41E-05	1.27E-06	2.79E-06	1.03E-05	9.09E-07	3.16E-07	1.81E-06	2.16E-07	2.87E-07	9.48E-07	6.53E-08
2326	471156.79	3818185.97	3.32E-06	1.39E-05	1.26E-06	2.76E-06	1.02E-05	9.01E-07	3.13E-07	1.79E-06	2.14E-07	2.85E-07	9.40E-07	6.48E-08
2327	471165.52	3818189.72	3.29E-06	1.38E-05	1.24E-06	2.74E-06	1.02E-05	8.93E-07	3.11E-07	1.78E-06	2.12E-07	2.82E-07	9.31E-07	6.42E-08
2328	471174.25	3818193.47	3.26E-06	1.37E-05	1.23E-06	2.72E-06	1.01E-05	8.85E-07	3.08E-07	1.76E-06	2.10E-07	2.80E-07	9.23E-07	6.36E-08
2329	471182.98	3818197.22	3.24E-06	1.36E-05	1.22E-06	2.70E-06	9.99E-06	8.79E-07	3.06E-07	1.75E-06	2.09E-07	2.78E-07	9.16E-07	6.32E-08
2330	471191.71	3818200.96	3.21E-06	1.35E-05	1.22E-06	2.68E-06	9.92E-06	8.72E-07	3.03E-07	1.74E-06	2.07E-07	2.76E-07	9.10E-07	6.27E-08
2331	471200.44	3818204.71	3.19E-06	1.34E-05	1.21E-06	2.66E-06	9.84E-06	8.66E-07	3.01E-07	1.72E-06	2.06E-07	2.74E-07	9.03E-07	6.22E-08
2332	471209.18	3818208.46	3.17E-06	1.33E-05	1.20E-06	2.64E-06	9.78E-06	8.61E-07	2.99E-07	1.71E-06	2.04E-07	2.72E-07	8.97E-07	6.19E-08
2333	471217.91	3818212.21	3.15E-06	1.32E-05	1.19E-06	2.62E-06	9.71E-06	8.54E-07	2.97E-07	1.70E-06	2.03E-07	2.70E-07	8.91E-07	6.14E-08
2334	471226.64	3818215.95	3.13E-06	1.31E-05	1.18E-06	2.60E-06	9.65E-06	8.49E-07	2.95E-07	1.69E-06	2.02E-07	2.68E-07	8.85E-07	6.10E-08
2335	471235.37	3818219.7	3.11E-06	1.31E-05	1.18E-06	2.59E-06	9.59E-06	8.44E-07	2.93E-07	1.68E-06	2.00E-07	2.67E-07	8.80E-07	6.06E-08
2336	471244.1	3818223.45	3.09E-06	1.30E-05	1.17E-06	2.58E-06	9.55E-06	8.40E-07	2.92E-07	1.67E-06	2.00E-07	2.66E-07	8.76E-07	6.04E-08
2337	471252.83	3818227.2	3.07E-06	1.29E-05	1.16E-06	2.56E-06	9.49E-06	8.34E-07	2.90E-07	1.66E-06	1.98E-07	2.64E-07	8.70E-07	6.00E-08
2338	471261.56	3818230.94	3.06E-06	1.28E-05	1.16E-06	2.55E-06	9.44E-06	8.31E-07	2.89E-07	1.65E-06	1.97E-07	2.63E-07	8.66E-07	5.97E-08
2339	471270.29	3818234.69	3.05E-06	1.28E-05	1.15E-06	2.54E-06	9.40E-06	8.27E-07	2.88E-07	1.65E-06	1.96E-07	2.61E-07	8.62E-07	5.94E-08
2340	471279.03	3818238.44	3.03E-06	1.27E-05	1.15E-06	2.52E-06	9.35E-06	8.23E-07	2.86E-07	1.64E-06	1.95E-07	2.60E-07	8.58E-07	5.91E-08
2341	471287.76	3818242.19	3.02E-06	1.27E-05	1.14E-06	2.52E-06	9.32E-06	8.20E-07	2.85E-07	1.63E-06	1.95E-07	2.59E-07	8.55E-07	5.89E-08
2342	471300.04	3818254.75	3.03E-06	1.27E-05	1.15E-06	2.52E-06	9.35E-06	8.23E-07	2.86E-07	1.64E-06	1.95E-07	2.60E-07	8.58E-07	5.91E-08
2343	471303.59	3818263.56	3.05E-06	1.28E-05	1.16E-06	2.54E-06	9.43E-06	8.29E-07	2.88E-07	1.65E-06	1.97E-07	2.62E-07	8.65E-07	5.96E-08
2344	471307.13	3818272.38	3.08E-06	1.29E-05	1.16E-06	2.56E-06	9.50E-06	8.36E-07	2.91E-07	1.66E-06	1.99E-07	2.64E-07	8.71E-07	6.01E-08
2345	471310.68	3818281.19	3.11E-06	1.31E-05	1.18E-06	2.59E-06	9.59E-06	8.44E-07	2.93E-07	1.68E-06	2.00E-07	2.67E-07	8.80E-07	6.06E-08
2346	471314.23	3818290.01	3.13E-06	1.32E-05	1.18E-06	2.61E-06	9.66E-06	8.50E-07	2.96E-07	1.69E-06	2.02E-07	2.69E-07	8.86E-07	6.11E-08
2347	471317.78	3818298.82	3.16E-06	1.33E-05	1.20E-06	2.63E-06	9.75E-06	8.58E-07	2.98E-07	1.71E-06	2.04E-07	2.71E-07	8.95E-07	6.17E-08
2348	471321.33	3818307.63	3.19E-06	1.34E-05	1.21E-06	2.66E-06	9.86E-06	8.67E-07	3.02E-07	1.73E-06	2.06E-07	2.74E-07	9.04E-07	6.23E-08
2349	471324.88	3818316.45	3.22E-06	1.35E-05	1.22E-06	2.68E-06	9.95E-06	8.75E-07	3.04E-07	1.74E-06	2.08E-07	2.77E-07	9.12E-07	6.29E-08
2350	471328.43	3818325.26	3.26E-06	1.37E-05	1.23E-06	2.71E-06	1.00E-05	8.84E-07	3.08E-07	1.76E-06	2.10E-07	2.80E-07	9.22E-07	6.35E-08
2351	471331.97	3818334.08	3.29E-06	1.38E-05	1.24E-06	2.74E-06	1.02E-05	8.93E-07	3.11E-07	1.78E-06	2.12E-07	2.82E-07	9.31E-07	6.42E-08
2352	471335.52	3818342.89	3.33E-06	1.40E-05	1.26E-06	2.77E-06	1.03E-05	9.04E-07	3.14E-07	1.80E-06	2.15E-07	2.86E-07	9.42E-07	6.50E-08
2353	471339.07	3818351.7	3.36E-06	1.41E-05	1.27E-06	2.80E-06	1.04E-05	9.13E-07	3.18E-07	1.82E-06	2.17E-07	2.89E-07	9.52E-07	6.56E-08
2354	471342.62	3818360.52	3.40E-06	1.43E-05	1.29E-06	2.83E-06	1.05E-05	9.23E-07	3.21E-07	1.84E-06	2.19E-07	2.92E-07	9.63E-07	6.64E-08
2355	471346.17	3818369.33	3.44E-06	1.45E-05	1.30E-06	2.87E-06	1.06E-05	9.35E-07	3.25E-07	1.86E-06	2.22E-07	2.96E-07	9.75E-07	6.72E-08
2356	471349.72	3818378.15	3.48E-06	1.46E-05	1.32E-06	2.90E-06	1.07E-05	9.45E-07	3.29E-07	1.88E-06	2.25E-07	2.99E-07	9.86E-07	6.80E-08
2357	471353.26	3818386.96	3.53E-06	1.48E-05	1.33E-06	2.94E-06	1.09E-05	9.57E-07	3.33E-07	1.91E-06	2.27E-07	3.03E-07	9.98E-07	6.88E-08
2358	471356.81	3818395.77	3.57E-06	1.50E-05	1.35E-06	2.98E-06	1.10E-05	9.70E-07	3.38E-07	1.93E-06	2.31E-07	3.07E-07	1.01E-06	6.97E-08
2359	471360.36	3818404.59	3.62E-06	1.52E-05	1.37E-06	3.01E-06	1.12E-05	9.82E-07	3.42E-07	1.96E-06	2.33E-07	3.11E-07	1.02E-06	7.06E-08
2360	471363.91	3818413.4	3.67E-06	1.54E-05	1.39E-06	3.05E-06	1.13E-05	9.95E-07	3.46E-07	1.98E-06	2.36E-07	3.15E-07	1.04E-06	7.15E-08
2361	471367.46	3818422.22	3.71E-06	1.56E-05	1.40E-06	3.09E-06	1.15E-05	1.01E-06	3.51E-07	2.01E-06	2.40E-07	3.19E-07	1.05E-06	7.25E-08

2362	471378.1	3818448.66	3.87E-06	1.62E-05	1.46E-06	3.22E-06	1.19E-05	1.05E-06	3.65E-07	2.09E-06	2.49E-07	3.32E-07	1.09E-06	7.55E-08
2363	471381.65	3818457.47	3.92E-06	1.65E-05	1.48E-06	3.27E-06	1.21E-05	1.06E-06	3.70E-07	2.12E-06	2.53E-07	3.37E-07	1.11E-06	7.65E-08
2364	471385.2	3818466.29	3.98E-06	1.67E-05	1.50E-06	3.31E-06	1.23E-05	1.08E-06	3.76E-07	2.15E-06	2.57E-07	3.42E-07	1.13E-06	7.76E-08
2365	471388.75	3818475.1	4.03E-06	1.69E-05	1.52E-06	3.36E-06	1.24E-05	1.09E-06	3.81E-07	2.18E-06	2.60E-07	3.46E-07	1.14E-06	7.87E-08
2366	471392.3	3818483.92	4.09E-06	1.72E-05	1.55E-06	3.41E-06	1.26E-05	1.11E-06	3.86E-07	2.21E-06	2.64E-07	3.51E-07	1.16E-06	7.98E-08
2367	471395.85	3818492.73	4.15E-06	1.74E-05	1.57E-06	3.46E-06	1.28E-05	1.13E-06	3.92E-07	2.24E-06	2.68E-07	3.56E-07	1.18E-06	8.10E-08
2368	471399.4	3818501.54	4.21E-06	1.77E-05	1.59E-06	3.51E-06	1.30E-05	1.14E-06	3.97E-07	2.28E-06	2.72E-07	3.61E-07	1.19E-06	8.21E-08
2369	471402.94	3818510.36	4.27E-06	1.79E-05	1.62E-06	3.56E-06	1.32E-05	1.16E-06	4.03E-07	2.31E-06	2.76E-07	3.67E-07	1.21E-06	8.34E-08
2370	471406.49	3818519.17	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.80E-07	3.72E-07	1.23E-06	8.46E-08
2371	471410.04	3818527.99	4.40E-06	1.85E-05	1.66E-06	3.66E-06	1.36E-05	1.19E-06	4.15E-07	2.38E-06	2.84E-07	3.77E-07	1.24E-06	8.58E-08
2372	471413.59	3818536.8	4.46E-06	1.87E-05	1.69E-06	3.72E-06	1.38E-05	1.21E-06	4.22E-07	2.41E-06	2.88E-07	3.83E-07	1.26E-06	8.71E-08
2373	471417.14	3818545.62	4.53E-06	1.90E-05	1.71E-06	3.77E-06	1.40E-05	1.23E-06	4.28E-07	2.45E-06	2.92E-07	3.89E-07	1.28E-06	8.84E-08
2374	471420.69	3818554.43	4.60E-06	1.93E-05	1.74E-06	3.83E-06	1.42E-05	1.25E-06	4.34E-07	2.49E-06	2.97E-07	3.95E-07	1.30E-06	8.97E-08
2375	471424.23	3818563.24	4.67E-06	1.96E-05	1.76E-06	3.89E-06	1.44E-05	1.27E-06	4.41E-07	2.52E-06	3.01E-07	4.01E-07	1.32E-06	9.10E-08
2376	471427.78	3818572.06	4.74E-06	1.99E-05	1.79E-06	3.95E-06	1.46E-05	1.29E-06	4.47E-07	2.56E-06	3.06E-07	4.07E-07	1.34E-06	9.25E-08
2377	471431.33	3818580.87	4.81E-06	2.02E-05	1.82E-06	4.01E-06	1.48E-05	1.31E-06	4.54E-07	2.60E-06	3.10E-07	4.13E-07	1.36E-06	9.39E-08
2378	471434.88	3818589.69	4.89E-06	2.05E-05	1.85E-06	4.07E-06	1.51E-05	1.33E-06	4.62E-07	2.64E-06	3.15E-07	4.20E-07	1.38E-06	9.54E-08
2379	471438.43	3818598.5	4.96E-06	2.08E-05	1.88E-06	4.13E-06	1.53E-05	1.35E-06	4.68E-07	2.68E-06	3.20E-07	4.26E-07	1.40E-06	9.68E-08
2380	471441.98	3818607.31	5.04E-06	2.12E-05	1.90E-06	4.20E-06	1.55E-05	1.37E-06	4.76E-07	2.72E-06	3.25E-07	4.32E-07	1.43E-06	9.83E-08
2381	471445.53	3818616.13	5.12E-06	2.15E-05	1.94E-06	4.26E-06	1.58E-05	1.39E-06	4.83E-07	2.77E-06	3.30E-07	4.39E-07	1.45E-06	9.99E-08
2382	471449.07	3818624.94	5.20E-06	2.18E-05	1.96E-06	4.33E-06	1.60E-05	1.41E-06	4.91E-07	2.81E-06	3.35E-07	4.46E-07	1.47E-06	1.01E-07
2383	471452.62	3818633.76	5.28E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
2384	471456.17	3818642.57	5.36E-06	2.25E-05	2.03E-06	4.47E-06	1.66E-05	1.46E-06	5.07E-07	2.90E-06	3.46E-07	4.60E-07	1.52E-06	1.05E-07
2385	471459.72	3818651.38	5.45E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.14E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
2386	471463.27	3818660.2	5.53E-06	2.32E-05	2.09E-06	4.61E-06	1.71E-05	1.50E-06	5.22E-07	2.99E-06	3.57E-07	4.75E-07	1.57E-06	1.08E-07
2387	471466.82	3818669.01	5.62E-06	2.36E-05	2.13E-06	4.68E-06	1.74E-05	1.53E-06	5.31E-07	3.04E-06	3.63E-07	4.83E-07	1.59E-06	1.10E-07
2388	471470.37	3818677.83	5.71E-06	2.40E-05	2.16E-06	4.76E-06	1.76E-05	1.55E-06	5.40E-07	3.09E-06	3.69E-07	4.91E-07	1.62E-06	1.12E-07
2389	471473.91	3818686.64	5.81E-06	2.44E-05	2.20E-06	4.84E-06	1.79E-05	1.58E-06	5.48E-07	3.14E-06	3.75E-07	4.98E-07	1.64E-06	1.13E-07
2390	471477.46	3818695.46	5.90E-06	2.48E-05	2.23E-06	4.91E-06	1.82E-05	1.60E-06	5.57E-07	3.19E-06	3.80E-07	5.06E-07	1.67E-06	1.15E-07
2391	471481.01	3818704.27	5.99E-06	2.52E-05	2.27E-06	4.99E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
2392	471484.56	3818713.08	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.65E-06	5.76E-07	3.29E-06	3.93E-07	5.23E-07	1.73E-06	1.19E-07
2393	471488.11	3818721.9	6.20E-06	2.60E-05	2.34E-06	5.16E-06	1.91E-05	1.68E-06	5.85E-07	3.35E-06	4.00E-07	5.32E-07	1.75E-06	1.21E-07
2394	471491.66	3818730.71	6.30E-06	2.64E-05	2.38E-06	5.25E-06	1.94E-05	1.71E-06	5.95E-07	3.40E-06	4.06E-07	5.41E-07	1.78E-06	1.23E-07
2395	471495.2	3818739.53	6.40E-06	2.69E-05	2.42E-06	5.33E-06	1.98E-05	1.74E-06	6.05E-07	3.46E-06	4.13E-07	5.50E-07	1.81E-06	1.25E-07
2396	471498.75	3818748.34	6.51E-06	2.73E-05	2.46E-06	5.42E-06	2.01E-05	1.77E-06	6.15E-07	3.52E-06	4.20E-07	5.59E-07	1.84E-06	1.27E-07
2397	471502.3	3818757.15	6.61E-06	2.78E-05	2.50E-06	5.51E-06	2.04E-05	1.80E-06	6.25E-07	3.58E-06	4.27E-07	5.68E-07	1.87E-06	1.29E-07
2398	471505.85	3818765.97	6.73E-06	2.82E-05	2.54E-06	5.60E-06	2.08E-05	1.83E-06	6.35E-07	3.64E-06	4.34E-07	5.77E-07	1.90E-06	1.31E-07
2399	471509.4	3818774.78	6.84E-06	2.87E-05	2.59E-06	5.70E-06	2.11E-05	1.86E-06	6.46E-07	3.70E-06	4.41E-07	5.87E-07	1.94E-06	1.33E-07
2400	471512.95	3818783.6	6.96E-06	2.92E-05	2.63E-06	5.79E-06	2.15E-05	1.89E-06	6.57E-07	3.76E-06	4.49E-07	5.97E-07	1.97E-06	1.36E-07
2401	471516.5	3818792.41	7.07E-06	2.97E-05	2.67E-06	5.89E-06	2.18E-05	1.92E-06	6.68E-07	3.82E-06	4.56E-07	6.07E-07	2.00E-06	1.38E-07
2402	471520.04	3818801.22	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.04E-06	1.40E-07
2403	471523.59	3818810.04	7.31E-06	3.07E-05	2.77E-06	6.09E-06	2.26E-05	1.98E-06	6.90E-07	3.95E-06	4.72E-07	6.28E-07	2.07E-06	1.43E-07
2404	471527.14	3818818.85	7.44E-06	3.12E-05	2.81E-06	6.19E-06	2.30E-05	2.02E-06	7.02E-07	4.02E-06	4.80E-07	6.38E-07	2.11E-06	1.45E-07

2405	471530.69	3818827.67	7.56E-06	3.18E-05	2.86E-06	6.30E-06	2.33E-05	2.05E-06	7.14E-07	4.09E-06	4.88E-07	6.49E-07	2.14E-06	1.48E-07
2406	471541.34	3818854.11	7.95E-06	3.34E-05	3.01E-06	6.62E-06	2.45E-05	2.16E-06	7.50E-07	4.30E-06	5.13E-07	6.82E-07	2.25E-06	1.55E-07
2407	471544.88	3818862.92	8.08E-06	3.39E-05	3.05E-06	6.73E-06	2.49E-05	2.19E-06	7.63E-07	4.37E-06	5.21E-07	6.93E-07	2.29E-06	1.58E-07
2408	471548.43	3818871.74	8.21E-06	3.45E-05	3.11E-06	6.84E-06	2.53E-05	2.23E-06	7.75E-07	4.44E-06	5.30E-07	7.05E-07	2.32E-06	1.60E-07
2409	471551.98	3818880.55	8.35E-06	3.51E-05	3.16E-06	6.95E-06	2.58E-05	2.27E-06	7.88E-07	4.51E-06	5.38E-07	7.17E-07	2.36E-06	1.63E-07
2410	471555.53	3818889.37	8.48E-06	3.56E-05	3.21E-06	7.06E-06	2.62E-05	2.30E-06	8.01E-07	4.58E-06	5.47E-07	7.28E-07	2.40E-06	1.65E-07
2411	471559.08	3818898.18	8.62E-06	3.62E-05	3.26E-06	7.18E-06	2.66E-05	2.34E-06	8.14E-07	4.66E-06	5.56E-07	7.40E-07	2.44E-06	1.68E-07
2412	471562.63	3818906.99	8.76E-06	3.68E-05	3.31E-06	7.29E-06	2.70E-05	2.38E-06	8.27E-07	4.73E-06	5.65E-07	7.52E-07	2.48E-06	1.71E-07
2413	471566.17	3818915.81	8.89E-06	3.74E-05	3.36E-06	7.41E-06	2.74E-05	2.41E-06	8.40E-07	4.81E-06	5.74E-07	7.64E-07	2.52E-06	1.74E-07
2414	471569.72	3818924.62	9.03E-06	3.79E-05	3.42E-06	7.53E-06	2.79E-05	2.45E-06	8.53E-07	4.88E-06	5.83E-07	7.76E-07	2.56E-06	1.76E-07
2415	471573.27	3818933.44	9.18E-06	3.85E-05	3.47E-06	7.65E-06	2.83E-05	2.49E-06	8.67E-07	4.96E-06	5.92E-07	7.88E-07	2.60E-06	1.79E-07
2416	471580.37	3818951.06	9.46E-06	3.97E-05	3.58E-06	7.88E-06	2.92E-05	2.57E-06	8.93E-07	5.11E-06	6.10E-07	8.12E-07	2.68E-06	1.85E-07
2417	471583.92	3818959.88	9.60E-06	4.03E-05	3.63E-06	8.00E-06	2.96E-05	2.61E-06	9.07E-07	5.19E-06	6.19E-07	8.24E-07	2.72E-06	1.87E-07
2418	471587.47	3818968.69	9.74E-06	4.09E-05	3.68E-06	8.11E-06	3.01E-05	2.64E-06	9.20E-07	5.27E-06	6.28E-07	8.36E-07	2.76E-06	1.90E-07
2419	471591.01	3818977.51	9.89E-06	4.15E-05	3.74E-06	8.23E-06	3.05E-05	2.68E-06	9.34E-07	5.34E-06	6.38E-07	8.49E-07	2.80E-06	1.93E-07
2420	471594.56	3818986.32	1.00E-05	4.21E-05	3.79E-06	8.35E-06	3.09E-05	2.72E-06	9.47E-07	5.42E-06	6.47E-07	8.61E-07	2.84E-06	1.96E-07
2421	471598.11	3818995.14	1.02E-05	4.27E-05	3.84E-06	8.47E-06	3.14E-05	2.76E-06	9.60E-07	5.50E-06	6.56E-07	8.73E-07	2.88E-06	1.98E-07
2422	471601.66	3819003.95	1.03E-05	4.33E-05	3.90E-06	8.58E-06	3.18E-05	2.80E-06	9.73E-07	5.57E-06	6.65E-07	8.85E-07	2.92E-06	2.01E-07
2423	471605.21	3819012.76	1.04E-05	4.39E-05	3.95E-06	8.70E-06	3.22E-05	2.84E-06	9.86E-07	5.65E-06	6.74E-07	8.97E-07	2.96E-06	2.04E-07
2424	471608.76	3819021.58	1.06E-05	4.44E-05	4.00E-06	8.82E-06	3.27E-05	2.87E-06	9.99E-07	5.72E-06	6.83E-07	9.09E-07	3.00E-06	2.07E-07
2425	471612.31	3819030.39	1.07E-05	4.50E-05	4.05E-06	8.93E-06	3.31E-05	2.91E-06	1.01E-06	5.79E-06	6.91E-07	9.20E-07	3.03E-06	2.09E-07
2426	471622.95	3819056.83	1.11E-05	4.67E-05	4.20E-06	9.26E-06	3.43E-05	3.02E-06	1.05E-06	6.01E-06	7.17E-07	9.54E-07	3.15E-06	2.17E-07
2427	471626.5	3819065.65	1.12E-05	4.72E-05	4.25E-06	9.37E-06	3.47E-05	3.05E-06	1.06E-06	6.08E-06	7.25E-07	9.66E-07	3.18E-06	2.19E-07
2428	471630.05	3819074.46	1.14E-05	4.78E-05	4.30E-06	9.47E-06	3.51E-05	3.09E-06	1.07E-06	6.15E-06	7.34E-07	9.76E-07	3.22E-06	2.22E-07
2429	471633.6	3819083.28	1.15E-05	4.83E-05	4.35E-06	9.58E-06	3.55E-05	3.12E-06	1.09E-06	6.22E-06	7.42E-07	9.87E-07	3.25E-06	2.24E-07
2430	471637.14	3819092.09	1.16E-05	4.88E-05	4.39E-06	9.68E-06	3.58E-05	3.15E-06	1.10E-06	6.28E-06	7.49E-07	9.97E-07	3.29E-06	2.27E-07
2431	471640.69	3819100.91	1.17E-05	4.93E-05	4.44E-06	9.78E-06	3.62E-05	3.19E-06	1.11E-06	6.35E-06	7.57E-07	1.01E-06	3.32E-06	2.29E-07
2432	471644.24	3819109.72	1.19E-05	4.98E-05	4.48E-06	9.87E-06	3.66E-05	3.22E-06	1.12E-06	6.41E-06	7.65E-07	1.02E-06	3.36E-06	2.31E-07
2433	471647.79	3819118.53	1.20E-05	5.03E-05	4.53E-06	9.97E-06	3.69E-05	3.25E-06	1.13E-06	6.47E-06	7.72E-07	1.03E-06	3.39E-06	2.34E-07
2434	471651.34	3819127.35	1.21E-05	5.07E-05	4.57E-06	1.01E-05	3.73E-05	3.28E-06	1.14E-06	6.53E-06	7.79E-07	1.04E-06	3.42E-06	2.36E-07
2435	471654.89	3819136.16	1.22E-05	5.12E-05	4.61E-06	1.01E-05	3.76E-05	3.31E-06	1.15E-06	6.59E-06	7.86E-07	1.05E-06	3.45E-06	2.38E-07
2436	471661.98	3819153.79	1.24E-05	5.20E-05	4.68E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.70E-06	7.99E-07	1.06E-06	3.51E-06	2.42E-07
2437	471665.53	3819162.6	1.25E-05	5.24E-05	4.72E-06	1.04E-05	3.85E-05	3.39E-06	1.18E-06	6.75E-06	8.05E-07	1.07E-06	3.53E-06	2.44E-07
2438	471669.08	3819171.42	1.26E-05	5.28E-05	4.76E-06	1.05E-05	3.88E-05	3.41E-06	1.19E-06	6.80E-06	8.11E-07	1.08E-06	3.56E-06	2.45E-07
2439	471672.63	3819180.23	1.27E-05	5.32E-05	4.79E-06	1.06E-05	3.91E-05	3.44E-06	1.20E-06	6.85E-06	8.17E-07	1.09E-06	3.59E-06	2.47E-07
2440	471676.18	3819189.05	1.27E-05	5.35E-05	4.82E-06	1.06E-05	3.93E-05	3.46E-06	1.20E-06	6.89E-06	8.22E-07	1.09E-06	3.61E-06	2.49E-07
2441	471679.73	3819197.86	1.28E-05	5.39E-05	4.85E-06	1.07E-05	3.96E-05	3.48E-06	1.21E-06	6.94E-06	8.28E-07	1.10E-06	3.63E-06	2.50E-07
2442	471683.28	3819206.67	1.29E-05	5.42E-05	4.88E-06	1.08E-05	3.98E-05	3.50E-06	1.22E-06	6.98E-06	8.32E-07	1.11E-06	3.65E-06	2.52E-07
2443	471686.82	3819215.49	1.30E-05	5.45E-05	4.91E-06	1.08E-05	4.01E-05	3.52E-06	1.23E-06	7.02E-06	8.37E-07	1.11E-06	3.67E-06	2.53E-07
2444	471690.37	3819224.3	1.30E-05	5.48E-05	4.93E-06	1.09E-05	4.03E-05	3.54E-06	1.23E-06	7.05E-06	8.42E-07	1.12E-06	3.69E-06	2.55E-07
2445	470301.12	3817818.71	7.50E-06	3.15E-05	2.84E-06	6.25E-06	2.32E-05	2.04E-06	7.09E-07	4.06E-06	4.84E-07	6.44E-07	2.12E-06	1.46E-07
2446	470291.55	3817818.58	7.61E-06	3.20E-05	2.88E-06	6.34E-06	2.35E-05	2.07E-06	7.19E-07	4.11E-06	4.91E-07	6.53E-07	2.15E-06	1.48E-07
2447	470281.99	3817818.44	7.72E-06	3.24E-05	2.92E-06	6.43E-06	2.38E-05	2.09E-06	7.29E-07	4.17E-06	4.98E-07	6.62E-07	2.18E-06	1.51E-07

2448	470272.43	3817818.31	7.82E-06	3.28E-05	2.96E-06	6.52E-06	2.41E-05	2.12E-06	7.39E-07	4.23E-06	5.05E-07	6.71E-07	2.21E-06	1.53E-07
2449	470262.87	3817818.17	7.93E-06	3.33E-05	3.00E-06	6.60E-06	2.45E-05	2.15E-06	7.49E-07	4.29E-06	5.11E-07	6.81E-07	2.24E-06	1.55E-07
2450	470253.3	3817818.04	8.03E-06	3.37E-05	3.04E-06	6.69E-06	2.48E-05	2.18E-06	7.59E-07	4.34E-06	5.18E-07	6.90E-07	2.27E-06	1.57E-07
2451	470243.74	3817817.9	8.14E-06	3.42E-05	3.08E-06	6.78E-06	2.51E-05	2.21E-06	7.69E-07	4.40E-06	5.25E-07	6.99E-07	2.30E-06	1.59E-07
2452	470234.18	3817817.77	8.24E-06	3.46E-05	3.12E-06	6.86E-06	2.54E-05	2.24E-06	7.78E-07	4.45E-06	5.32E-07	7.07E-07	2.33E-06	1.61E-07
2453	470224.62	3817817.63	8.34E-06	3.50E-05	3.15E-06	6.94E-06	2.57E-05	2.26E-06	7.87E-07	4.51E-06	5.38E-07	7.16E-07	2.36E-06	1.63E-07
2454	470215.06	3817817.5	8.43E-06	3.54E-05	3.19E-06	7.02E-06	2.60E-05	2.29E-06	7.96E-07	4.56E-06	5.44E-07	7.24E-07	2.39E-06	1.65E-07
2455	470205.49	3817817.36	8.52E-06	3.58E-05	3.22E-06	7.10E-06	2.63E-05	2.31E-06	8.05E-07	4.61E-06	5.50E-07	7.31E-07	2.41E-06	1.66E-07
2456	470195.93	3817817.23	8.60E-06	3.61E-05	3.25E-06	7.16E-06	2.65E-05	2.33E-06	8.12E-07	4.65E-06	5.55E-07	7.38E-07	2.43E-06	1.68E-07
2457	470311.01	3817742.48	6.74E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
2458	470319.77	3817746.24	6.68E-06	2.81E-05	2.53E-06	5.57E-06	2.06E-05	1.81E-06	6.31E-07	3.61E-06	4.31E-07	5.74E-07	1.89E-06	1.30E-07
2459	470328.53	3817750	6.62E-06	2.78E-05	2.51E-06	5.52E-06	2.04E-05	1.80E-06	6.26E-07	3.58E-06	4.27E-07	5.69E-07	1.88E-06	1.29E-07
2460	470337.29	3817753.76	6.57E-06	2.76E-05	2.48E-06	5.47E-06	2.03E-05	1.78E-06	6.20E-07	3.55E-06	4.24E-07	5.64E-07	1.86E-06	1.28E-07
2461	470346.06	3817757.52	6.51E-06	2.74E-05	2.46E-06	5.43E-06	2.01E-05	1.77E-06	6.15E-07	3.52E-06	4.20E-07	5.59E-07	1.84E-06	1.27E-07
2462	470354.82	3817761.28	6.46E-06	2.71E-05	2.44E-06	5.38E-06	1.99E-05	1.75E-06	6.10E-07	3.49E-06	4.17E-07	5.55E-07	1.83E-06	1.26E-07
2463	470363.58	3817765.04	6.41E-06	2.69E-05	2.43E-06	5.34E-06	1.98E-05	1.74E-06	6.06E-07	3.47E-06	4.14E-07	5.50E-07	1.82E-06	1.25E-07
2464	470372.34	3817768.81	6.36E-06	2.67E-05	2.41E-06	5.30E-06	1.96E-05	1.73E-06	6.01E-07	3.44E-06	4.11E-07	5.46E-07	1.80E-06	1.24E-07
2465	470381.1	3817772.57	6.32E-06	2.65E-05	2.39E-06	5.26E-06	1.95E-05	1.71E-06	5.96E-07	3.41E-06	4.07E-07	5.42E-07	1.79E-06	1.23E-07
2466	470389.87	3817776.33	6.27E-06	2.63E-05	2.37E-06	5.22E-06	1.93E-05	1.70E-06	5.92E-07	3.39E-06	4.04E-07	5.38E-07	1.77E-06	1.22E-07
2467	470398.63	3817780.09	6.30E-06	2.65E-05	2.38E-06	5.25E-06	1.94E-05	1.71E-06	5.95E-07	3.41E-06	4.06E-07	5.41E-07	1.78E-06	1.23E-07
2468	470407.39	3817783.85	6.26E-06	2.63E-05	2.37E-06	5.21E-06	1.93E-05	1.70E-06	5.91E-07	3.38E-06	4.04E-07	5.37E-07	1.77E-06	1.22E-07
2469	470416.15	3817787.61	6.21E-06	2.61E-05	2.35E-06	5.17E-06	1.91E-05	1.68E-06	5.86E-07	3.35E-06	4.00E-07	5.33E-07	1.76E-06	1.21E-07
2470	470424.91	3817791.37	6.15E-06	2.58E-05	2.33E-06	5.12E-06	1.90E-05	1.67E-06	5.81E-07	3.32E-06	3.97E-07	5.28E-07	1.74E-06	1.20E-07
2471	470433.68	3817795.13	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.65E-06	5.76E-07	3.29E-06	3.93E-07	5.23E-07	1.73E-06	1.19E-07
2472	470442.44	3817798.89	6.04E-06	2.54E-05	2.29E-06	5.03E-06	1.86E-05	1.64E-06	5.71E-07	3.27E-06	3.90E-07	5.19E-07	1.71E-06	1.18E-07
2473	470451.2	3817802.65	5.99E-06	2.52E-05	2.27E-06	4.99E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
2474	470459.96	3817806.41	5.94E-06	2.50E-05	2.25E-06	4.95E-06	1.83E-05	1.61E-06	5.61E-07	3.21E-06	3.83E-07	5.10E-07	1.68E-06	1.16E-07
2475	470468.72	3817810.17	5.89E-06	2.47E-05	2.23E-06	4.90E-06	1.82E-05	1.60E-06	5.56E-07	3.18E-06	3.80E-07	5.05E-07	1.67E-06	1.15E-07
2476	470477.49	3817813.93	5.84E-06	2.45E-05	2.21E-06	4.86E-06	1.80E-05	1.58E-06	5.51E-07	3.15E-06	3.76E-07	5.01E-07	1.65E-06	1.14E-07
2477	470486.25	3817817.7	5.79E-06	2.43E-05	2.19E-06	4.82E-06	1.79E-05	1.57E-06	5.46E-07	3.13E-06	3.73E-07	4.97E-07	1.64E-06	1.13E-07
2478	470495.01	3817821.46	5.74E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.42E-07	3.10E-06	3.70E-07	4.93E-07	1.62E-06	1.12E-07
2479	470503.77	3817825.22	5.69E-06	2.39E-05	2.15E-06	4.74E-06	1.76E-05	1.54E-06	5.37E-07	3.08E-06	3.67E-07	4.89E-07	1.61E-06	1.11E-07
2480	470512.54	3817828.98	5.64E-06	2.37E-05	2.13E-06	4.70E-06	1.74E-05	1.53E-06	5.33E-07	3.05E-06	3.64E-07	4.84E-07	1.60E-06	1.10E-07
2481	470521.3	3817832.74	5.59E-06	2.35E-05	2.12E-06	4.66E-06	1.73E-05	1.52E-06	5.28E-07	3.02E-06	3.61E-07	4.80E-07	1.58E-06	1.09E-07
2482	470530.06	3817836.5	5.55E-06	2.33E-05	2.10E-06	4.62E-06	1.71E-05	1.51E-06	5.24E-07	3.00E-06	3.58E-07	4.77E-07	1.57E-06	1.08E-07
2483	470538.82	3817840.26	5.50E-06	2.31E-05	2.08E-06	4.58E-06	1.70E-05	1.49E-06	5.20E-07	2.98E-06	3.55E-07	4.72E-07	1.56E-06	1.07E-07
2484	470547.58	3817844.02	5.46E-06	2.29E-05	2.06E-06	4.55E-06	1.68E-05	1.48E-06	5.16E-07	2.95E-06	3.52E-07	4.69E-07	1.55E-06	1.07E-07
2485	470556.35	3817847.78	5.42E-06	2.27E-05	2.05E-06	4.51E-06	1.67E-05	1.47E-06	5.12E-07	2.93E-06	3.49E-07	4.65E-07	1.53E-06	1.06E-07
2486	470565.11	3817851.54	5.37E-06	2.25E-05	2.03E-06	4.47E-06	1.66E-05	1.46E-06	5.07E-07	2.90E-06	3.46E-07	4.61E-07	1.52E-06	1.05E-07
2487	470573.87	3817855.3	5.33E-06	2.24E-05	2.01E-06	4.44E-06	1.64E-05	1.45E-06	5.03E-07	2.88E-06	3.43E-07	4.57E-07	1.51E-06	1.04E-07
2488	470582.63	3817859.06	5.28E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
2489	470591.39	3817862.82	5.24E-06	2.20E-05	1.98E-06	4.36E-06	1.62E-05	1.42E-06	4.95E-07	2.83E-06	3.38E-07	4.50E-07	1.48E-06	1.02E-07
2490	470600.16	3817866.59	5.20E-06	2.18E-05	1.97E-06	4.33E-06	1.60E-05	1.41E-06	4.91E-07	2.81E-06	3.35E-07	4.46E-07	1.47E-06	1.01E-07

2491	470608.92	3817870.35	5.16E-06	2.17E-05	1.95E-06	4.30E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.33E-07	4.43E-07	1.46E-06	1.01E-07
2492	470617.68	3817874.11	5.12E-06	2.15E-05	1.94E-06	4.27E-06	1.58E-05	1.39E-06	4.84E-07	2.77E-06	3.30E-07	4.40E-07	1.45E-06	1.00E-07
2493	470626.44	3817877.87	5.08E-06	2.14E-05	1.92E-06	4.24E-06	1.57E-05	1.38E-06	4.80E-07	2.75E-06	3.28E-07	4.37E-07	1.44E-06	9.92E-08
2494	470635.2	3817881.63	5.04E-06	2.12E-05	1.91E-06	4.20E-06	1.56E-05	1.37E-06	4.76E-07	2.73E-06	3.25E-07	4.33E-07	1.43E-06	9.84E-08
2495	470643.97	3817885.39	5.00E-06	2.10E-05	1.89E-06	4.17E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.23E-07	4.29E-07	1.42E-06	9.76E-08
2496	470652.73	3817889.15	4.96E-06	2.08E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.69E-07	2.68E-06	3.20E-07	4.26E-07	1.41E-06	9.69E-08
2497	470661.49	3817892.91	4.93E-06	2.07E-05	1.86E-06	4.10E-06	1.52E-05	1.34E-06	4.65E-07	2.66E-06	3.18E-07	4.23E-07	1.39E-06	9.61E-08
2498	470670.25	3817896.67	4.89E-06	2.05E-05	1.85E-06	4.08E-06	1.51E-05	1.33E-06	4.62E-07	2.64E-06	3.16E-07	4.20E-07	1.38E-06	9.55E-08
2499	470679.01	3817900.43	4.85E-06	2.04E-05	1.84E-06	4.04E-06	1.50E-05	1.32E-06	4.58E-07	2.62E-06	3.13E-07	4.17E-07	1.37E-06	9.47E-08
2500	470687.78	3817904.19	4.82E-06	2.02E-05	1.82E-06	4.01E-06	1.49E-05	1.31E-06	4.55E-07	2.61E-06	3.11E-07	4.14E-07	1.36E-06	9.41E-08
2501	470696.54	3817907.95	4.79E-06	2.01E-05	1.81E-06	3.99E-06	1.48E-05	1.30E-06	4.52E-07	2.59E-06	3.09E-07	4.11E-07	1.36E-06	9.35E-08
2502	470705.3	3817911.71	4.76E-06	2.00E-05	1.80E-06	3.97E-06	1.47E-05	1.29E-06	4.50E-07	2.57E-06	3.07E-07	4.09E-07	1.35E-06	9.29E-08
2503	470714.06	3817915.48	4.73E-06	1.99E-05	1.79E-06	3.94E-06	1.46E-05	1.28E-06	4.47E-07	2.56E-06	3.05E-07	4.06E-07	1.34E-06	9.23E-08
2504	470722.83	3817919.24	4.70E-06	1.97E-05	1.78E-06	3.91E-06	1.45E-05	1.28E-06	4.44E-07	2.54E-06	3.03E-07	4.03E-07	1.33E-06	9.17E-08
2505	470731.59	3817923	4.67E-06	1.96E-05	1.77E-06	3.89E-06	1.44E-05	1.27E-06	4.41E-07	2.53E-06	3.01E-07	4.01E-07	1.32E-06	9.11E-08
2506	470740.35	3817926.76	4.64E-06	1.95E-05	1.76E-06	3.87E-06	1.43E-05	1.26E-06	4.38E-07	2.51E-06	2.99E-07	3.99E-07	1.31E-06	9.06E-08
2507	470749.11	3817930.52	4.61E-06	1.94E-05	1.74E-06	3.84E-06	1.42E-05	1.25E-06	4.35E-07	2.49E-06	2.97E-07	3.96E-07	1.30E-06	8.99E-08
2508	470757.87	3817934.28	4.57E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.93E-07	1.29E-06	8.93E-08
2509	470766.64	3817938.04	4.54E-06	1.91E-05	1.72E-06	3.78E-06	1.40E-05	1.23E-06	4.29E-07	2.45E-06	2.93E-07	3.90E-07	1.29E-06	8.86E-08
2510	470775.4	3817941.8	4.51E-06	1.89E-05	1.70E-06	3.75E-06	1.39E-05	1.22E-06	4.26E-07	2.44E-06	2.91E-07	3.87E-07	1.28E-06	8.80E-08
2511	470784.16	3817945.56	4.48E-06	1.88E-05	1.69E-06	3.73E-06	1.38E-05	1.22E-06	4.23E-07	2.42E-06	2.89E-07	3.84E-07	1.27E-06	8.74E-08
2512	470792.92	3817949.32	4.45E-06	1.87E-05	1.68E-06	3.71E-06	1.37E-05	1.21E-06	4.21E-07	2.41E-06	2.87E-07	3.82E-07	1.26E-06	8.69E-08
2513	470801.68	3817953.08	4.43E-06	1.86E-05	1.67E-06	3.69E-06	1.37E-05	1.20E-06	4.18E-07	2.39E-06	2.85E-07	3.80E-07	1.25E-06	8.64E-08
2514	470810.45	3817956.84	4.40E-06	1.85E-05	1.66E-06	3.66E-06	1.36E-05	1.19E-06	4.15E-07	2.38E-06	2.84E-07	3.77E-07	1.24E-06	8.58E-08
2515	470819.21	3817960.6	4.37E-06	1.83E-05	1.65E-06	3.64E-06	1.35E-05	1.19E-06	4.12E-07	2.36E-06	2.82E-07	3.75E-07	1.24E-06	8.52E-08
2516	470827.97	3817964.37	4.34E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.10E-07	2.35E-06	2.80E-07	3.72E-07	1.23E-06	8.47E-08
2517	470836.73	3817968.13	4.31E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.41E-08
2518	470845.49	3817971.89	4.28E-06	1.80E-05	1.62E-06	3.56E-06	1.32E-05	1.16E-06	4.04E-07	2.31E-06	2.76E-07	3.67E-07	1.21E-06	8.34E-08
2519	470854.26	3817975.65	4.25E-06	1.78E-05	1.61E-06	3.54E-06	1.31E-05	1.15E-06	4.01E-07	2.30E-06	2.74E-07	3.65E-07	1.20E-06	8.29E-08
2520	470863.02	3817979.41	4.21E-06	1.77E-05	1.59E-06	3.51E-06	1.30E-05	1.14E-06	3.98E-07	2.28E-06	2.72E-07	3.62E-07	1.19E-06	8.22E-08
2521	470871.78	3817983.17	4.18E-06	1.76E-05	1.58E-06	3.48E-06	1.29E-05	1.13E-06	3.95E-07	2.26E-06	2.70E-07	3.59E-07	1.18E-06	8.16E-08
2522	470880.54	3817986.93	4.15E-06	1.74E-05	1.57E-06	3.45E-06	1.28E-05	1.13E-06	3.92E-07	2.24E-06	2.67E-07	3.56E-07	1.17E-06	8.09E-08
2523	470889.3	3817990.69	4.12E-06	1.73E-05	1.56E-06	3.43E-06	1.27E-05	1.12E-06	3.89E-07	2.23E-06	2.66E-07	3.54E-07	1.17E-06	8.03E-08
2524	470898.07	3817994.45	4.08E-06	1.72E-05	1.54E-06	3.40E-06	1.26E-05	1.11E-06	3.86E-07	2.21E-06	2.63E-07	3.51E-07	1.16E-06	7.97E-08
2525	470906.83	3817998.21	4.06E-06	1.70E-05	1.53E-06	3.38E-06	1.25E-05	1.10E-06	3.83E-07	2.19E-06	2.62E-07	3.48E-07	1.15E-06	7.91E-08
2526	470915.59	3818001.97	4.02E-06	1.69E-05	1.52E-06	3.35E-06	1.24E-05	1.09E-06	3.80E-07	2.17E-06	2.59E-07	3.45E-07	1.14E-06	7.85E-08
2527	470924.35	3818005.73	3.99E-06	1.67E-05	1.51E-06	3.32E-06	1.23E-05	1.08E-06	3.77E-07	2.16E-06	2.57E-07	3.42E-07	1.13E-06	7.78E-08
2528	470933.12	3818009.49	3.95E-06	1.66E-05	1.50E-06	3.29E-06	1.22E-05	1.07E-06	3.73E-07	2.14E-06	2.55E-07	3.39E-07	1.12E-06	7.72E-08
2529	470941.88	3818013.26	3.93E-06	1.65E-05	1.48E-06	3.27E-06	1.21E-05	1.07E-06	3.71E-07	2.12E-06	2.53E-07	3.37E-07	1.11E-06	7.66E-08
2530	470950.64	3818017.02	3.90E-06	1.64E-05	1.47E-06	3.25E-06	1.20E-05	1.06E-06	3.68E-07	2.11E-06	2.51E-07	3.35E-07	1.10E-06	7.60E-08
2531	470959.4	3818020.78	3.86E-06	1.62E-05	1.46E-06	3.22E-06	1.19E-05	1.05E-06	3.65E-07	2.09E-06	2.49E-07	3.32E-07	1.09E-06	7.54E-08
2532	470968.16	3818024.54	3.83E-06	1.61E-05	1.45E-06	3.19E-06	1.18E-05	1.04E-06	3.62E-07	2.07E-06	2.47E-07	3.29E-07	1.08E-06	7.47E-08
2533	470976.93	3818028.3	3.80E-06	1.59E-05	1.44E-06	3.16E-06	1.17E-05	1.03E-06	3.58E-07	2.05E-06	2.45E-07	3.26E-07	1.07E-06	7.41E-08

2534	470985.69	3818032.06	3.77E-06	1.58E-05	1.42E-06	3.14E-06	1.16E-05	1.02E-06	3.56E-07	2.04E-06	2.43E-07	3.23E-07	1.07E-06	7.35E-08
2535	470994.45	3818035.82	3.74E-06	1.57E-05	1.42E-06	3.12E-06	1.15E-05	1.02E-06	3.53E-07	2.02E-06	2.41E-07	3.21E-07	1.06E-06	7.30E-08
2536	471003.21	3818039.58	3.71E-06	1.56E-05	1.40E-06	3.09E-06	1.15E-05	1.01E-06	3.51E-07	2.01E-06	2.40E-07	3.19E-07	1.05E-06	7.25E-08
2537	471011.97	3818043.34	3.68E-06	1.54E-05	1.39E-06	3.06E-06	1.13E-05	9.98E-07	3.47E-07	1.99E-06	2.37E-07	3.16E-07	1.04E-06	7.17E-08
2538	471020.74	3818047.1	3.64E-06	1.53E-05	1.38E-06	3.03E-06	1.12E-05	9.89E-07	3.44E-07	1.97E-06	2.35E-07	3.13E-07	1.03E-06	7.11E-08
2539	471029.5	3818050.86	3.61E-06	1.52E-05	1.36E-06	3.01E-06	1.11E-05	9.79E-07	3.41E-07	1.95E-06	2.33E-07	3.10E-07	1.02E-06	7.04E-08
2540	471038.26	3818054.62	3.57E-06	1.50E-05	1.35E-06	2.98E-06	1.10E-05	9.70E-07	3.38E-07	1.93E-06	2.31E-07	3.07E-07	1.01E-06	6.97E-08
2541	471047.02	3818058.38	3.54E-06	1.48E-05	1.34E-06	2.95E-06	1.09E-05	9.60E-07	3.34E-07	1.91E-06	2.28E-07	3.04E-07	1.00E-06	6.90E-08
2542	471055.78	3818062.15	3.50E-06	1.47E-05	1.32E-06	2.92E-06	1.08E-05	9.51E-07	3.31E-07	1.89E-06	2.26E-07	3.01E-07	9.91E-07	6.83E-08
2543	471064.55	3818065.91	3.47E-06	1.46E-05	1.31E-06	2.89E-06	1.07E-05	9.42E-07	3.28E-07	1.88E-06	2.24E-07	2.98E-07	9.82E-07	6.77E-08
2544	471073.31	3818069.67	3.43E-06	1.44E-05	1.30E-06	2.86E-06	1.06E-05	9.32E-07	3.24E-07	1.86E-06	2.22E-07	2.95E-07	9.72E-07	6.70E-08
2545	471082.07	3818073.43	3.40E-06	1.43E-05	1.29E-06	2.83E-06	1.05E-05	9.23E-07	3.21E-07	1.84E-06	2.19E-07	2.92E-07	9.63E-07	6.64E-08
2546	471090.83	3818077.19	3.37E-06	1.41E-05	1.27E-06	2.80E-06	1.04E-05	9.14E-07	3.18E-07	1.82E-06	2.17E-07	2.89E-07	9.53E-07	6.57E-08
2547	471099.59	3818080.95	3.33E-06	1.40E-05	1.26E-06	2.78E-06	1.03E-05	9.05E-07	3.15E-07	1.80E-06	2.15E-07	2.86E-07	9.44E-07	6.51E-08
2548	471108.36	3818084.71	3.30E-06	1.39E-05	1.25E-06	2.75E-06	1.02E-05	8.96E-07	3.12E-07	1.78E-06	2.13E-07	2.83E-07	9.34E-07	6.44E-08
2549	471117.12	3818088.47	3.27E-06	1.37E-05	1.24E-06	2.72E-06	1.01E-05	8.88E-07	3.09E-07	1.77E-06	2.11E-07	2.81E-07	9.26E-07	6.38E-08
2550	471125.88	3818092.23	3.24E-06	1.36E-05	1.22E-06	2.70E-06	9.99E-06	8.79E-07	3.06E-07	1.75E-06	2.09E-07	2.78E-07	9.16E-07	6.32E-08
2551	471169.69	3818111.04	3.09E-06	1.30E-05	1.17E-06	2.57E-06	9.53E-06	8.38E-07	2.92E-07	1.67E-06	1.99E-07	2.65E-07	8.74E-07	6.03E-08
2552	471178.45	3818114.8	3.06E-06	1.28E-05	1.16E-06	2.55E-06	9.44E-06	8.31E-07	2.89E-07	1.65E-06	1.97E-07	2.63E-07	8.66E-07	5.97E-08
2553	471187.22	3818118.56	3.03E-06	1.27E-05	1.15E-06	2.52E-06	9.35E-06	8.23E-07	2.86E-07	1.64E-06	1.95E-07	2.60E-07	8.58E-07	5.91E-08
2554	471195.98	3818122.32	3.01E-06	1.26E-05	1.14E-06	2.50E-06	9.28E-06	8.16E-07	2.84E-07	1.63E-06	1.94E-07	2.58E-07	8.51E-07	5.87E-08
2555	471204.74	3818126.08	2.98E-06	1.25E-05	1.13E-06	2.48E-06	9.19E-06	8.08E-07	2.81E-07	1.61E-06	1.92E-07	2.56E-07	8.43E-07	5.81E-08
2556	471213.5	3818129.84	2.95E-06	1.24E-05	1.12E-06	2.46E-06	9.11E-06	8.02E-07	2.79E-07	1.60E-06	1.91E-07	2.54E-07	8.36E-07	5.76E-08
2557	471222.26	3818133.6	2.93E-06	1.23E-05	1.11E-06	2.44E-06	9.04E-06	7.95E-07	2.77E-07	1.58E-06	1.89E-07	2.51E-07	8.29E-07	5.72E-08
2558	471231.03	3818137.36	2.91E-06	1.22E-05	1.10E-06	2.42E-06	8.97E-06	7.89E-07	2.74E-07	1.57E-06	1.87E-07	2.49E-07	8.22E-07	5.67E-08
2559	471239.79	3818141.12	2.89E-06	1.21E-05	1.09E-06	2.40E-06	8.91E-06	7.84E-07	2.73E-07	1.56E-06	1.86E-07	2.48E-07	8.17E-07	5.63E-08
2560	471248.55	3818144.88	2.87E-06	1.20E-05	1.08E-06	2.39E-06	8.85E-06	7.78E-07	2.71E-07	1.55E-06	1.85E-07	2.46E-07	8.12E-07	5.59E-08
2561	471257.31	3818148.64	2.84E-06	1.19E-05	1.08E-06	2.37E-06	8.77E-06	7.72E-07	2.68E-07	1.54E-06	1.83E-07	2.44E-07	8.05E-07	5.55E-08
2562	471266.07	3818152.4	2.82E-06	1.19E-05	1.07E-06	2.35E-06	8.71E-06	7.67E-07	2.67E-07	1.53E-06	1.82E-07	2.42E-07	7.99E-07	5.51E-08
2563	471274.84	3818156.16	2.81E-06	1.18E-05	1.06E-06	2.34E-06	8.67E-06	7.63E-07	2.65E-07	1.52E-06	1.81E-07	2.41E-07	7.95E-07	5.48E-08
2564	471283.6	3818159.93	2.79E-06	1.17E-05	1.06E-06	2.32E-06	8.61E-06	7.57E-07	2.63E-07	1.51E-06	1.80E-07	2.40E-07	7.90E-07	5.44E-08
2565	471292.36	3818163.69	2.78E-06	1.17E-05	1.05E-06	2.31E-06	8.57E-06	7.53E-07	2.62E-07	1.50E-06	1.79E-07	2.38E-07	7.86E-07	5.42E-08
2566	471301.12	3818167.45	2.76E-06	1.16E-05	1.04E-06	2.30E-06	8.52E-06	7.50E-07	2.61E-07	1.49E-06	1.78E-07	2.37E-07	7.82E-07	5.39E-08
2567	471309.89	3818171.21	2.75E-06	1.15E-05	1.04E-06	2.29E-06	8.48E-06	7.46E-07	2.59E-07	1.48E-06	1.77E-07	2.36E-07	7.77E-07	5.36E-08
2568	471318.65	3818174.97	2.73E-06	1.15E-05	1.03E-06	2.28E-06	8.43E-06	7.42E-07	2.58E-07	1.48E-06	1.76E-07	2.35E-07	7.73E-07	5.33E-08
2569	471327.41	3818178.73	2.72E-06	1.14E-05	1.03E-06	2.26E-06	8.39E-06	7.38E-07	2.57E-07	1.47E-06	1.75E-07	2.33E-07	7.69E-07	5.30E-08
2570	471336.17	3818182.49	2.71E-06	1.14E-05	1.02E-06	2.26E-06	8.36E-06	7.35E-07	2.56E-07	1.46E-06	1.75E-07	2.32E-07	7.67E-07	5.28E-08
2571	471344.93	3818186.25	2.70E-06	1.13E-05	1.02E-06	2.25E-06	8.33E-06	7.33E-07	2.55E-07	1.46E-06	1.74E-07	2.32E-07	7.64E-07	5.27E-08
2572	471357.26	3818198.86	2.71E-06	1.14E-05	1.02E-06	2.26E-06	8.36E-06	7.35E-07	2.56E-07	1.46E-06	1.75E-07	2.32E-07	7.67E-07	5.28E-08
2573	471360.82	3818207.7	2.73E-06	1.15E-05	1.03E-06	2.27E-06	8.42E-06	7.40E-07	2.58E-07	1.47E-06	1.76E-07	2.34E-07	7.72E-07	5.32E-08
2574	471364.38	3818216.55	2.75E-06	1.15E-05	1.04E-06	2.29E-06	8.48E-06	7.46E-07	2.59E-07	1.48E-06	1.77E-07	2.36E-07	7.77E-07	5.36E-08
2575	471367.94	3818225.39	2.77E-06	1.16E-05	1.05E-06	2.31E-06	8.55E-06	7.52E-07	2.62E-07	1.50E-06	1.79E-07	2.38E-07	7.84E-07	5.41E-08
2576	471371.5	3818234.24	2.79E-06	1.17E-05	1.06E-06	2.33E-06	8.62E-06	7.59E-07	2.64E-07	1.51E-06	1.80E-07	2.40E-07	7.91E-07	5.45E-08

2577	471375.06	3818243.08	2.82E-06	1.18E-05	1.07E-06	2.35E-06	8.70E-06	7.65E-07	2.66E-07	1.52E-06	1.82E-07	2.42E-07	7.98E-07	5.50E-08
2578	471378.62	3818251.93	2.84E-06	1.19E-05	1.08E-06	2.37E-06	8.77E-06	7.72E-07	2.68E-07	1.54E-06	1.83E-07	2.44E-07	8.05E-07	5.55E-08
2579	471382.18	3818260.77	2.87E-06	1.21E-05	1.09E-06	2.39E-06	8.86E-06	7.80E-07	2.71E-07	1.55E-06	1.85E-07	2.47E-07	8.13E-07	5.60E-08
2580	471385.74	3818269.62	2.90E-06	1.22E-05	1.10E-06	2.41E-06	8.94E-06	7.86E-07	2.73E-07	1.57E-06	1.87E-07	2.49E-07	8.20E-07	5.65E-08
2581	471389.31	3818278.46	2.93E-06	1.23E-05	1.11E-06	2.44E-06	9.04E-06	7.95E-07	2.77E-07	1.58E-06	1.89E-07	2.51E-07	8.29E-07	5.72E-08
2582	471392.87	3818287.31	2.96E-06	1.24E-05	1.12E-06	2.46E-06	9.13E-06	8.03E-07	2.79E-07	1.60E-06	1.91E-07	2.54E-07	8.37E-07	5.77E-08
2583	471396.43	3818296.15	2.99E-06	1.25E-05	1.13E-06	2.49E-06	9.22E-06	8.11E-07	2.82E-07	1.62E-06	1.93E-07	2.56E-07	8.46E-07	5.83E-08
2584	471399.99	3818305	3.02E-06	1.27E-05	1.14E-06	2.52E-06	9.32E-06	8.20E-07	2.85E-07	1.63E-06	1.95E-07	2.59E-07	8.55E-07	5.89E-08
2585	471403.55	3818313.84	3.05E-06	1.28E-05	1.16E-06	2.54E-06	9.43E-06	8.29E-07	2.88E-07	1.65E-06	1.97E-07	2.62E-07	8.65E-07	5.96E-08
2586	471407.11	3818322.69	3.09E-06	1.30E-05	1.17E-06	2.57E-06	9.53E-06	8.38E-07	2.92E-07	1.67E-06	1.99E-07	2.65E-07	8.74E-07	6.03E-08
2587	471410.67	3818331.53	3.13E-06	1.31E-05	1.18E-06	2.60E-06	9.65E-06	8.49E-07	2.95E-07	1.69E-06	2.02E-07	2.68E-07	8.85E-07	6.10E-08
2588	471414.23	3818340.38	3.17E-06	1.33E-05	1.20E-06	2.64E-06	9.77E-06	8.59E-07	2.99E-07	1.71E-06	2.04E-07	2.72E-07	8.96E-07	6.18E-08
2589	471417.79	3818349.22	3.20E-06	1.35E-05	1.21E-06	2.67E-06	9.89E-06	8.70E-07	3.03E-07	1.73E-06	2.07E-07	2.75E-07	9.07E-07	6.25E-08
2590	471421.35	3818358.07	3.24E-06	1.36E-05	1.23E-06	2.70E-06	1.00E-05	8.80E-07	3.06E-07	1.75E-06	2.09E-07	2.78E-07	9.18E-07	6.33E-08
2591	471424.92	3818366.91	3.28E-06	1.38E-05	1.24E-06	2.73E-06	1.01E-05	8.91E-07	3.10E-07	1.77E-06	2.12E-07	2.82E-07	9.29E-07	6.40E-08
2592	471428.48	3818375.76	3.32E-06	1.40E-05	1.26E-06	2.77E-06	1.03E-05	9.02E-07	3.14E-07	1.80E-06	2.14E-07	2.85E-07	9.41E-07	6.49E-08
2593	471432.04	3818384.61	3.37E-06	1.41E-05	1.27E-06	2.80E-06	1.04E-05	9.14E-07	3.18E-07	1.82E-06	2.17E-07	2.89E-07	9.53E-07	6.57E-08
2594	471435.6	3818393.45	3.41E-06	1.43E-05	1.29E-06	2.84E-06	1.05E-05	9.26E-07	3.22E-07	1.84E-06	2.20E-07	2.93E-07	9.65E-07	6.66E-08
2595	471439.16	3818402.3	3.45E-06	1.45E-05	1.31E-06	2.88E-06	1.07E-05	9.38E-07	3.26E-07	1.87E-06	2.23E-07	2.97E-07	9.78E-07	6.74E-08
2596	471442.72	3818411.14	3.50E-06	1.47E-05	1.32E-06	2.92E-06	1.08E-05	9.51E-07	3.31E-07	1.89E-06	2.26E-07	3.01E-07	9.91E-07	6.83E-08
2597	471446.28	3818419.99	3.55E-06	1.49E-05	1.34E-06	2.96E-06	1.10E-05	9.64E-07	3.35E-07	1.92E-06	2.29E-07	3.05E-07	1.00E-06	6.93E-08
2598	471449.84	3818428.83	3.60E-06	1.51E-05	1.36E-06	3.00E-06	1.11E-05	9.77E-07	3.40E-07	1.95E-06	2.32E-07	3.09E-07	1.02E-06	7.02E-08
2599	471460.53	3818455.37	3.75E-06	1.57E-05	1.42E-06	3.12E-06	1.16E-05	1.02E-06	3.54E-07	2.03E-06	2.42E-07	3.22E-07	1.06E-06	7.31E-08
2600	471464.09	3818464.21	3.80E-06	1.60E-05	1.44E-06	3.17E-06	1.17E-05	1.03E-06	3.59E-07	2.05E-06	2.45E-07	3.26E-07	1.08E-06	7.42E-08
2601	471467.65	3818473.06	3.85E-06	1.62E-05	1.46E-06	3.21E-06	1.19E-05	1.05E-06	3.64E-07	2.08E-06	2.49E-07	3.31E-07	1.09E-06	7.52E-08
2602	471471.21	3818481.9	3.91E-06	1.64E-05	1.48E-06	3.25E-06	1.21E-05	1.06E-06	3.69E-07	2.11E-06	2.52E-07	3.35E-07	1.11E-06	7.62E-08
2603	471474.77	3818490.75	3.96E-06	1.66E-05	1.50E-06	3.30E-06	1.22E-05	1.08E-06	3.74E-07	2.14E-06	2.56E-07	3.40E-07	1.12E-06	7.73E-08
2604	471478.33	3818499.59	4.02E-06	1.69E-05	1.52E-06	3.35E-06	1.24E-05	1.09E-06	3.79E-07	2.17E-06	2.59E-07	3.45E-07	1.14E-06	7.84E-08
2605	471481.89	3818508.44	4.07E-06	1.71E-05	1.54E-06	3.39E-06	1.26E-05	1.11E-06	3.85E-07	2.20E-06	2.63E-07	3.50E-07	1.15E-06	7.95E-08
2606	471485.45	3818517.28	4.13E-06	1.74E-05	1.56E-06	3.44E-06	1.28E-05	1.12E-06	3.90E-07	2.23E-06	2.67E-07	3.55E-07	1.17E-06	8.06E-08
2607	471489.01	3818526.13	4.19E-06	1.76E-05	1.59E-06	3.49E-06	1.29E-05	1.14E-06	3.96E-07	2.27E-06	2.71E-07	3.60E-07	1.19E-06	8.19E-08
2608	471492.57	3818534.97	4.25E-06	1.79E-05	1.61E-06	3.54E-06	1.31E-05	1.15E-06	4.02E-07	2.30E-06	2.74E-07	3.65E-07	1.20E-06	8.30E-08
2609	471496.14	3818543.82	4.32E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.42E-08
2610	471499.7	3818552.66	4.38E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.13E-07	2.37E-06	2.82E-07	3.76E-07	1.24E-06	8.54E-08
2611	471503.26	3818561.51	4.44E-06	1.86E-05	1.68E-06	3.70E-06	1.37E-05	1.21E-06	4.19E-07	2.40E-06	2.86E-07	3.81E-07	1.26E-06	8.66E-08
2612	471506.82	3818570.35	4.51E-06	1.89E-05	1.70E-06	3.75E-06	1.39E-05	1.22E-06	4.26E-07	2.44E-06	2.91E-07	3.87E-07	1.28E-06	8.80E-08
2613	471510.38	3818579.2	4.57E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.93E-07	1.29E-06	8.93E-08
2614	471513.94	3818588.04	4.64E-06	1.95E-05	1.76E-06	3.87E-06	1.43E-05	1.26E-06	4.38E-07	2.51E-06	2.99E-07	3.99E-07	1.31E-06	9.06E-08
2615	471517.5	3818596.89	4.71E-06	1.98E-05	1.78E-06	3.92E-06	1.45E-05	1.28E-06	4.45E-07	2.55E-06	3.04E-07	4.04E-07	1.33E-06	9.19E-08
2616	471521.06	3818605.73	4.78E-06	2.01E-05	1.81E-06	3.98E-06	1.48E-05	1.30E-06	4.52E-07	2.59E-06	3.08E-07	4.10E-07	1.35E-06	9.33E-08
2617	471524.62	3818614.58	4.85E-06	2.04E-05	1.84E-06	4.04E-06	1.50E-05	1.32E-06	4.58E-07	2.62E-06	3.13E-07	4.17E-07	1.37E-06	9.47E-08
2618	471528.18	3818623.42	4.93E-06	2.07E-05	1.86E-06	4.10E-06	1.52E-05	1.34E-06	4.65E-07	2.66E-06	3.18E-07	4.23E-07	1.39E-06	9.61E-08
2619	471531.75	3818632.27	5.00E-06	2.10E-05	1.89E-06	4.17E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.23E-07	4.29E-07	1.42E-06	9.76E-08

2620	471535.31	3818641.11	5.08E-06	2.13E-05	1.92E-06	4.23E-06	1.57E-05	1.38E-06	4.80E-07	2.75E-06	3.28E-07	4.36E-07	1.44E-06	9.91E-08
2621	471538.87	3818649.96	5.16E-06	2.17E-05	1.95E-06	4.30E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.33E-07	4.43E-07	1.46E-06	1.01E-07
2622	471542.43	3818658.81	5.23E-06	2.20E-05	1.98E-06	4.36E-06	1.62E-05	1.42E-06	4.94E-07	2.83E-06	3.38E-07	4.49E-07	1.48E-06	1.02E-07
2623	471545.99	3818667.65	5.32E-06	2.23E-05	2.01E-06	4.43E-06	1.64E-05	1.44E-06	5.02E-07	2.87E-06	3.43E-07	4.56E-07	1.50E-06	1.04E-07
2624	471549.55	3818676.5	5.40E-06	2.27E-05	2.04E-06	4.50E-06	1.67E-05	1.47E-06	5.10E-07	2.92E-06	3.48E-07	4.63E-07	1.53E-06	1.05E-07
2625	471553.11	3818685.34	5.48E-06	2.30E-05	2.07E-06	4.57E-06	1.69E-05	1.49E-06	5.18E-07	2.96E-06	3.54E-07	4.71E-07	1.55E-06	1.07E-07
2626	471556.67	3818694.19	5.57E-06	2.34E-05	2.11E-06	4.64E-06	1.72E-05	1.51E-06	5.26E-07	3.01E-06	3.59E-07	4.78E-07	1.58E-06	1.09E-07
2627	471560.23	3818703.03	5.66E-06	2.38E-05	2.14E-06	4.71E-06	1.75E-05	1.54E-06	5.34E-07	3.06E-06	3.65E-07	4.86E-07	1.60E-06	1.10E-07
2628	471563.79	3818711.88	5.75E-06	2.41E-05	2.17E-06	4.79E-06	1.77E-05	1.56E-06	5.43E-07	3.11E-06	3.71E-07	4.93E-07	1.63E-06	1.12E-07
2629	471567.36	3818720.72	5.84E-06	2.45E-05	2.21E-06	4.86E-06	1.80E-05	1.59E-06	5.51E-07	3.16E-06	3.77E-07	5.01E-07	1.65E-06	1.14E-07
2630	471570.92	3818729.57	5.93E-06	2.49E-05	2.24E-06	4.94E-06	1.83E-05	1.61E-06	5.60E-07	3.21E-06	3.83E-07	5.09E-07	1.68E-06	1.16E-07
2631	471574.48	3818738.41	6.03E-06	2.53E-05	2.28E-06	5.02E-06	1.86E-05	1.64E-06	5.69E-07	3.26E-06	3.89E-07	5.17E-07	1.71E-06	1.18E-07
2632	471578.04	3818747.26	6.12E-06	2.57E-05	2.32E-06	5.10E-06	1.89E-05	1.66E-06	5.78E-07	3.31E-06	3.95E-07	5.26E-07	1.73E-06	1.19E-07
2633	471581.6	3818756.1	6.22E-06	2.61E-05	2.35E-06	5.19E-06	1.92E-05	1.69E-06	5.88E-07	3.37E-06	4.02E-07	5.34E-07	1.76E-06	1.21E-07
2634	471585.16	3818764.95	6.32E-06	2.65E-05	2.39E-06	5.27E-06	1.95E-05	1.72E-06	5.97E-07	3.42E-06	4.08E-07	5.43E-07	1.79E-06	1.23E-07
2635	471588.72	3818773.79	6.43E-06	2.70E-05	2.43E-06	5.35E-06	1.98E-05	1.74E-06	6.07E-07	3.47E-06	4.15E-07	5.52E-07	1.82E-06	1.25E-07
2636	471592.28	3818782.64	6.53E-06	2.74E-05	2.47E-06	5.44E-06	2.01E-05	1.77E-06	6.16E-07	3.53E-06	4.21E-07	5.60E-07	1.85E-06	1.27E-07
2637	471595.84	3818791.48	6.63E-06	2.79E-05	2.51E-06	5.53E-06	2.05E-05	1.80E-06	6.26E-07	3.59E-06	4.28E-07	5.69E-07	1.88E-06	1.29E-07
2638	471599.4	3818800.33	6.74E-06	2.83E-05	2.55E-06	5.61E-06	2.08E-05	1.83E-06	6.36E-07	3.64E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
2639	471602.97	3818809.17	6.85E-06	2.88E-05	2.59E-06	5.71E-06	2.11E-05	1.86E-06	6.47E-07	3.70E-06	4.42E-07	5.88E-07	1.94E-06	1.34E-07
2640	471606.53	3818818.02	6.96E-06	2.92E-05	2.63E-06	5.80E-06	2.15E-05	1.89E-06	6.57E-07	3.76E-06	4.49E-07	5.98E-07	1.97E-06	1.36E-07
2641	471610.09	3818826.86	7.07E-06	2.97E-05	2.67E-06	5.89E-06	2.18E-05	1.92E-06	6.68E-07	3.82E-06	4.56E-07	6.07E-07	2.00E-06	1.38E-07
2642	471620.77	3818853.4	7.41E-06	3.11E-05	2.80E-06	6.17E-06	2.29E-05	2.01E-06	7.00E-07	4.01E-06	4.78E-07	6.36E-07	2.10E-06	1.45E-07
2643	471624.33	3818862.24	7.53E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.11E-07	4.07E-06	4.86E-07	6.47E-07	2.13E-06	1.47E-07
2644	471627.89	3818871.09	7.65E-06	3.21E-05	2.89E-06	6.37E-06	2.36E-05	2.08E-06	7.22E-07	4.13E-06	4.93E-07	6.57E-07	2.17E-06	1.49E-07
2645	471631.45	3818879.93	7.77E-06	3.26E-05	2.94E-06	6.47E-06	2.40E-05	2.11E-06	7.34E-07	4.20E-06	5.01E-07	6.67E-07	2.20E-06	1.52E-07
2646	471635.01	3818888.78	7.89E-06	3.31E-05	2.98E-06	6.57E-06	2.43E-05	2.14E-06	7.45E-07	4.27E-06	5.09E-07	6.77E-07	2.23E-06	1.54E-07
2647	471638.58	3818897.62	8.01E-06	3.36E-05	3.03E-06	6.67E-06	2.47E-05	2.17E-06	7.56E-07	4.33E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
2648	471642.14	3818906.47	8.13E-06	3.41E-05	3.07E-06	6.77E-06	2.51E-05	2.21E-06	7.68E-07	4.40E-06	5.24E-07	6.98E-07	2.30E-06	1.59E-07
2649	471645.7	3818915.31	8.25E-06	3.47E-05	3.12E-06	6.88E-06	2.55E-05	2.24E-06	7.80E-07	4.46E-06	5.32E-07	7.09E-07	2.34E-06	1.61E-07
2650	471649.26	3818924.16	8.38E-06	3.52E-05	3.17E-06	6.98E-06	2.58E-05	2.27E-06	7.91E-07	4.53E-06	5.40E-07	7.19E-07	2.37E-06	1.63E-07
2651	471652.82	3818933.01	8.50E-06	3.57E-05	3.21E-06	7.08E-06	2.62E-05	2.31E-06	8.03E-07	4.60E-06	5.48E-07	7.30E-07	2.41E-06	1.66E-07
2652	471659.94	3818950.7	8.75E-06	3.67E-05	3.31E-06	7.28E-06	2.70E-05	2.37E-06	8.26E-07	4.73E-06	5.64E-07	7.51E-07	2.48E-06	1.71E-07
2653	471663.5	3818959.54	8.87E-06	3.72E-05	3.35E-06	7.38E-06	2.74E-05	2.41E-06	8.37E-07	4.79E-06	5.72E-07	7.61E-07	2.51E-06	1.73E-07
2654	471667.06	3818968.39	8.99E-06	3.78E-05	3.40E-06	7.49E-06	2.77E-05	2.44E-06	8.49E-07	4.86E-06	5.80E-07	7.72E-07	2.55E-06	1.75E-07
2655	471670.62	3818977.23	9.11E-06	3.83E-05	3.45E-06	7.59E-06	2.81E-05	2.47E-06	8.60E-07	4.93E-06	5.88E-07	7.82E-07	2.58E-06	1.78E-07
2656	471674.19	3818986.08	9.24E-06	3.88E-05	3.49E-06	7.69E-06	2.85E-05	2.51E-06	8.72E-07	4.99E-06	5.96E-07	7.93E-07	2.61E-06	1.80E-07
2657	471677.75	3818994.92	9.36E-06	3.93E-05	3.54E-06	7.79E-06	2.89E-05	2.54E-06	8.84E-07	5.06E-06	6.04E-07	8.03E-07	2.65E-06	1.83E-07
2658	471681.31	3819003.77	9.48E-06	3.98E-05	3.58E-06	7.89E-06	2.92E-05	2.57E-06	8.95E-07	5.12E-06	6.11E-07	8.14E-07	2.68E-06	1.85E-07
2659	471684.87	3819012.61	9.60E-06	4.03E-05	3.63E-06	7.99E-06	2.96E-05	2.61E-06	9.06E-07	5.19E-06	6.19E-07	8.24E-07	2.72E-06	1.87E-07
2660	471688.43	3819021.46	9.71E-06	4.08E-05	3.67E-06	8.09E-06	3.00E-05	2.64E-06	9.17E-07	5.25E-06	6.26E-07	8.34E-07	2.75E-06	1.90E-07
2661	471691.99	3819030.3	9.83E-06	4.13E-05	3.72E-06	8.19E-06	3.03E-05	2.67E-06	9.29E-07	5.32E-06	6.34E-07	8.44E-07	2.78E-06	1.92E-07
2662	471702.67	3819056.84	1.02E-05	4.27E-05	3.85E-06	8.47E-06	3.14E-05	2.76E-06	9.60E-07	5.50E-06	6.56E-07	8.73E-07	2.88E-06	1.98E-07

2663	471706.23	3819065.68	1.03E-05	4.32E-05	3.89E-06	8.56E-06	3.17E-05	2.79E-06	9.71E-07	5.56E-06	6.63E-07	8.83E-07	2.91E-06	2.01E-07
2664	471709.79	3819074.53	1.04E-05	4.36E-05	3.93E-06	8.66E-06	3.21E-05	2.82E-06	9.81E-07	5.62E-06	6.70E-07	8.92E-07	2.94E-06	2.03E-07
2665	471713.36	3819083.37	1.05E-05	4.41E-05	3.97E-06	8.74E-06	3.24E-05	2.85E-06	9.91E-07	5.67E-06	6.77E-07	9.01E-07	2.97E-06	2.05E-07
2666	471716.92	3819092.22	1.06E-05	4.45E-05	4.01E-06	8.83E-06	3.27E-05	2.88E-06	1.00E-06	5.73E-06	6.84E-07	9.10E-07	3.00E-06	2.07E-07
2667	471720.48	3819101.06	1.07E-05	4.49E-05	4.05E-06	8.91E-06	3.30E-05	2.90E-06	1.01E-06	5.78E-06	6.90E-07	9.18E-07	3.03E-06	2.09E-07
2668	471724.04	3819109.91	1.08E-05	4.54E-05	4.08E-06	9.00E-06	3.33E-05	2.93E-06	1.02E-06	5.84E-06	6.97E-07	9.27E-07	3.06E-06	2.11E-07
2669	471727.6	3819118.75	1.09E-05	4.58E-05	4.12E-06	9.08E-06	3.36E-05	2.96E-06	1.03E-06	5.89E-06	7.03E-07	9.35E-07	3.08E-06	2.13E-07
2670	471731.16	3819127.6	1.10E-05	4.61E-05	4.16E-06	9.15E-06	3.39E-05	2.98E-06	1.04E-06	5.94E-06	7.09E-07	9.43E-07	3.11E-06	2.14E-07
2671	471741.84	3819154.13	1.13E-05	4.73E-05	4.26E-06	9.37E-06	3.47E-05	3.05E-06	1.06E-06	6.08E-06	7.26E-07	9.66E-07	3.19E-06	2.20E-07
2672	471745.4	3819162.98	1.13E-05	4.76E-05	4.28E-06	9.44E-06	3.50E-05	3.08E-06	1.07E-06	6.12E-06	7.31E-07	9.73E-07	3.21E-06	2.21E-07
2673	471748.97	3819171.82	1.14E-05	4.79E-05	4.31E-06	9.50E-06	3.52E-05	3.10E-06	1.08E-06	6.17E-06	7.36E-07	9.79E-07	3.23E-06	2.23E-07
2674	471752.53	3819180.67	1.15E-05	4.82E-05	4.34E-06	9.56E-06	3.54E-05	3.12E-06	1.08E-06	6.21E-06	7.41E-07	9.86E-07	3.25E-06	2.24E-07
2675	471756.09	3819189.51	1.16E-05	4.85E-05	4.37E-06	9.62E-06	3.57E-05	3.14E-06	1.09E-06	6.25E-06	7.45E-07	9.92E-07	3.27E-06	2.25E-07
2676	471759.65	3819198.36	1.16E-05	4.88E-05	4.40E-06	9.68E-06	3.59E-05	3.15E-06	1.10E-06	6.28E-06	7.50E-07	9.98E-07	3.29E-06	2.27E-07
2677	471763.21	3819207.21	1.17E-05	4.91E-05	4.42E-06	9.74E-06	3.61E-05	3.17E-06	1.10E-06	6.32E-06	7.54E-07	1.00E-06	3.31E-06	2.28E-07
2678	471766.77	3819216.05	1.17E-05	4.93E-05	4.44E-06	9.78E-06	3.63E-05	3.19E-06	1.11E-06	6.35E-06	7.58E-07	1.01E-06	3.33E-06	2.29E-07
2679	471770.33	3819224.9	1.18E-05	4.96E-05	4.47E-06	9.84E-06	3.64E-05	3.21E-06	1.12E-06	6.38E-06	7.62E-07	1.01E-06	3.34E-06	2.30E-07
2680	470302.24	3817738.72	6.81E-06	2.86E-05	2.58E-06	5.67E-06	2.10E-05	1.85E-06	6.43E-07	3.68E-06	4.39E-07	5.85E-07	1.93E-06	1.33E-07
2681	470292.68	3817738.58	6.91E-06	2.90E-05	2.61E-06	5.76E-06	2.13E-05	1.88E-06	6.53E-07	3.74E-06	4.46E-07	5.93E-07	1.96E-06	1.35E-07
2682	470283.12	3817738.45	7.00E-06	2.94E-05	2.65E-06	5.83E-06	2.16E-05	1.90E-06	6.61E-07	3.79E-06	4.52E-07	6.01E-07	1.98E-06	1.37E-07
2683	470273.56	3817738.31	7.10E-06	2.98E-05	2.69E-06	5.91E-06	2.19E-05	1.93E-06	6.71E-07	3.84E-06	4.58E-07	6.10E-07	2.01E-06	1.39E-07
2684	470264	3817738.18	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.04E-06	1.40E-07
2685	470254.43	3817738.04	7.29E-06	3.06E-05	2.76E-06	6.07E-06	2.25E-05	1.98E-06	6.88E-07	3.94E-06	4.70E-07	6.26E-07	2.06E-06	1.42E-07
2686	470244.87	3817737.91	7.38E-06	3.10E-05	2.79E-06	6.15E-06	2.28E-05	2.00E-06	6.97E-07	3.99E-06	4.76E-07	6.33E-07	2.09E-06	1.44E-07
2687	470235.31	3817737.77	7.47E-06	3.14E-05	2.83E-06	6.22E-06	2.31E-05	2.03E-06	7.05E-07	4.04E-06	4.82E-07	6.41E-07	2.11E-06	1.46E-07
2688	470225.75	3817737.64	7.56E-06	3.17E-05	2.86E-06	6.29E-06	2.33E-05	2.05E-06	7.14E-07	4.09E-06	4.87E-07	6.49E-07	2.14E-06	1.47E-07
2689	470216.18	3817737.5	7.64E-06	3.21E-05	2.89E-06	6.37E-06	2.36E-05	2.08E-06	7.22E-07	4.13E-06	4.93E-07	6.56E-07	2.16E-06	1.49E-07
2690	470206.62	3817737.37	7.72E-06	3.24E-05	2.92E-06	6.43E-06	2.38E-05	2.10E-06	7.29E-07	4.17E-06	4.98E-07	6.63E-07	2.19E-06	1.51E-07
2691	470197.06	3817737.23	7.79E-06	3.27E-05	2.95E-06	6.49E-06	2.40E-05	2.12E-06	7.36E-07	4.21E-06	5.03E-07	6.69E-07	2.21E-06	1.52E-07
2692	470187.5	3817737.1	7.86E-06	3.30E-05	2.97E-06	6.55E-06	2.43E-05	2.13E-06	7.42E-07	4.25E-06	5.07E-07	6.75E-07	2.22E-06	1.53E-07
2693	470177.94	3817736.96	7.92E-06	3.33E-05	2.99E-06	6.60E-06	2.44E-05	2.15E-06	7.48E-07	4.28E-06	5.11E-07	6.80E-07	2.24E-06	1.55E-07
2694	470168.37	3817736.83	7.97E-06	3.35E-05	3.01E-06	6.64E-06	2.46E-05	2.16E-06	7.53E-07	4.31E-06	5.14E-07	6.84E-07	2.26E-06	1.56E-07
2695	470158.81	3817736.69	8.02E-06	3.37E-05	3.03E-06	6.68E-06	2.47E-05	2.18E-06	7.57E-07	4.34E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
2696	470095.19	3819211.76	8.48E-04	3.56E-03	3.21E-04	7.07E-04	2.62E-03	2.30E-04	8.01E-05	4.59E-04	5.47E-05	7.28E-05	2.40E-04	1.66E-05
2697	470088.24	3819204.57	7.11E-04	2.99E-03	2.69E-04	5.92E-04	2.19E-03	1.93E-04	6.72E-05	3.85E-04	4.59E-05	6.11E-05	2.01E-04	1.39E-05
2698	470070.39	3819208.92	5.55E-04	2.33E-03	2.10E-04	4.62E-04	1.71E-03	1.51E-04	5.24E-05	3.00E-04	3.58E-05	4.76E-05	1.57E-04	1.08E-05
2699	470083.07	3819196.68	6.20E-04	2.60E-03	2.34E-04	5.16E-04	1.91E-03	1.68E-04	5.85E-05	3.35E-04	4.00E-05	5.32E-05	1.75E-04	1.21E-05
2700	470091.93	3819193.17	6.83E-04	2.87E-03	2.58E-04	5.69E-04	2.11E-03	1.85E-04	6.45E-05	3.69E-04	4.40E-05	5.86E-05	1.93E-04	1.33E-05
2701	470100.79	3819189.66	7.44E-04	3.12E-03	2.81E-04	6.20E-04	2.30E-03	2.02E-04	7.02E-05	4.02E-04	4.80E-05	6.39E-05	2.11E-04	1.45E-05
2702	470059.94	3819209.77	4.77E-04	2.00E-03	1.80E-04	3.97E-04	1.47E-03	1.29E-04	4.50E-05	2.58E-04	3.07E-05	4.09E-05	1.35E-04	9.30E-06
2703	470063.6	3819201.38	4.83E-04	2.03E-03	1.83E-04	4.02E-04	1.49E-03	1.31E-04	4.56E-05	2.61E-04	3.12E-05	4.15E-05	1.37E-04	9.43E-06
2704	470075.76	3819189.63	5.34E-04	2.24E-03	2.02E-04	4.45E-04	1.65E-03	1.45E-04	5.04E-05	2.89E-04	3.44E-05	4.58E-05	1.51E-04	1.04E-05
2705	470084.27	3819186.26	5.83E-04	2.45E-03	2.20E-04	4.85E-04	1.80E-03	1.58E-04	5.50E-05	3.15E-04	3.76E-05	5.00E-05	1.65E-04	1.14E-05

2706	470092.78	3819182.89	6.31E-04	2.65E-03	2.39E-04	5.25E-04	1.95E-03	1.71E-04	5.96E-05	3.41E-04	4.07E-05	5.41E-05	1.79E-04	1.23E-05
2707	470101.29	3819179.52	6.76E-04	2.84E-03	2.56E-04	5.63E-04	2.09E-03	1.84E-04	6.38E-05	3.65E-04	4.36E-05	5.80E-05	1.91E-04	1.32E-05
2708	470049.63	3819210.27	4.13E-04	1.73E-03	1.56E-04	3.44E-04	1.27E-03	1.12E-04	3.90E-05	2.23E-04	2.66E-05	3.54E-05	1.17E-04	8.05E-06
2709	470056.75	3819193.96	4.25E-04	1.79E-03	1.61E-04	3.54E-04	1.31E-03	1.15E-04	4.02E-05	2.30E-04	2.74E-05	3.65E-05	1.20E-04	8.30E-06
2710	470068.58	3819182.53	4.66E-04	1.96E-03	1.76E-04	3.88E-04	1.44E-03	1.27E-04	4.40E-05	2.52E-04	3.01E-05	4.00E-05	1.32E-04	9.09E-06
2711	470085.12	3819175.98	5.44E-04	2.28E-03	2.06E-04	4.53E-04	1.68E-03	1.48E-04	5.13E-05	2.94E-04	3.51E-05	4.67E-05	1.54E-04	1.06E-05
2712	470039.42	3819210.57	3.60E-04	1.51E-03	1.36E-04	2.99E-04	1.11E-03	9.76E-05	3.40E-05	1.94E-04	2.32E-05	3.09E-05	1.02E-04	7.02E-06
2713	470046.39	3819194.59	3.73E-04	1.57E-03	1.41E-04	3.11E-04	1.15E-03	1.01E-04	3.53E-05	2.02E-04	2.41E-05	3.21E-05	1.06E-04	7.29E-06
2714	470061.46	3819175.4	4.11E-04	1.73E-03	1.56E-04	3.42E-04	1.27E-03	1.12E-04	3.88E-05	2.22E-04	2.65E-05	3.53E-05	1.16E-04	8.02E-06
2715	470077.67	3819168.99	4.75E-04	1.99E-03	1.80E-04	3.95E-04	1.46E-03	1.29E-04	4.48E-05	2.57E-04	3.06E-05	4.08E-05	1.34E-04	9.26E-06
2716	470093.87	3819162.57	5.35E-04	2.25E-03	2.02E-04	4.46E-04	1.65E-03	1.45E-04	5.05E-05	2.89E-04	3.45E-05	4.59E-05	1.51E-04	1.04E-05
2717	470029.26	3819210.75	3.15E-04	1.32E-03	1.19E-04	2.63E-04	9.73E-04	8.56E-05	2.98E-05	1.70E-04	2.03E-05	2.71E-05	8.93E-05	6.15E-06
2718	470036.12	3819195.02	3.29E-04	1.38E-03	1.24E-04	2.74E-04	1.02E-03	8.93E-05	3.11E-05	1.78E-04	2.12E-05	2.82E-05	9.31E-05	6.42E-06
2719	470042.98	3819179.29	3.38E-04	1.42E-03	1.28E-04	2.82E-04	1.04E-03	9.18E-05	3.19E-05	1.83E-04	2.18E-05	2.90E-05	9.57E-05	6.60E-06
2720	470054.38	3819168.26	3.66E-04	1.54E-03	1.38E-04	3.05E-04	1.13E-03	9.93E-05	3.45E-05	1.98E-04	2.36E-05	3.14E-05	1.04E-04	7.14E-06
2721	470070.34	3819161.95	4.19E-04	1.76E-03	1.58E-04	3.49E-04	1.29E-03	1.14E-04	3.95E-05	2.26E-04	2.70E-05	3.59E-05	1.19E-04	8.17E-06
2722	470086.29	3819155.63	4.70E-04	1.97E-03	1.78E-04	3.91E-04	1.45E-03	1.28E-04	4.44E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.17E-06
2723	470020.4	3819207.92	2.81E-04	1.18E-03	1.06E-04	2.34E-04	8.66E-04	7.62E-05	2.65E-05	1.52E-04	1.81E-05	2.41E-05	7.95E-05	5.48E-06
2724	470024.21	3819199.19	2.88E-04	1.21E-03	1.09E-04	2.40E-04	8.89E-04	7.82E-05	2.72E-05	1.56E-04	1.86E-05	2.47E-05	8.16E-05	5.62E-06
2725	470028.02	3819190.45	2.95E-04	1.24E-03	1.11E-04	2.46E-04	9.10E-04	8.00E-05	2.78E-05	1.59E-04	1.90E-05	2.53E-05	8.34E-05	5.75E-06
2726	470031.83	3819181.71	3.00E-04	1.26E-03	1.14E-04	2.50E-04	9.26E-04	8.15E-05	2.83E-05	1.62E-04	1.94E-05	2.58E-05	8.49E-05	5.86E-06
2727	470035.65	3819172.97	3.04E-04	1.28E-03	1.15E-04	2.53E-04	9.38E-04	8.25E-05	2.87E-05	1.64E-04	1.96E-05	2.61E-05	8.61E-05	5.93E-06
2728	470048.32	3819160.72	3.30E-04	1.39E-03	1.25E-04	2.75E-04	1.02E-03	8.96E-05	3.12E-05	1.78E-04	2.13E-05	2.83E-05	9.34E-05	6.44E-06
2729	470057.18	3819157.21	3.55E-04	1.49E-03	1.34E-04	2.96E-04	1.10E-03	9.64E-05	3.35E-05	1.92E-04	2.29E-05	3.05E-05	1.00E-04	6.93E-06
2730	470066.05	3819153.7	3.80E-04	1.60E-03	1.44E-04	3.17E-04	1.17E-03	1.03E-04	3.59E-05	2.06E-04	2.45E-05	3.26E-05	1.08E-04	7.42E-06
2731	470074.91	3819150.19	4.05E-04	1.70E-03	1.53E-04	3.38E-04	1.25E-03	1.10E-04	3.83E-05	2.19E-04	2.61E-05	3.48E-05	1.15E-04	7.91E-06
2732	470083.77	3819146.68	4.29E-04	1.80E-03	1.62E-04	3.57E-04	1.32E-03	1.16E-04	4.05E-05	2.32E-04	2.77E-05	3.68E-05	1.21E-04	8.37E-06
2733	470092.64	3819143.17	4.50E-04	1.89E-03	1.70E-04	3.75E-04	1.39E-03	1.22E-04	4.25E-05	2.43E-04	2.90E-05	3.87E-05	1.27E-04	8.79E-06
2734	470101.5	3819139.66	4.69E-04	1.97E-03	1.77E-04	3.91E-04	1.45E-03	1.27E-04	4.43E-05	2.53E-04	3.02E-05	4.03E-05	1.33E-04	9.15E-06
2735	469999.95	3819208.57	2.21E-04	9.30E-04	8.37E-05	1.84E-04	6.83E-04	6.01E-05	2.09E-05	1.20E-04	1.43E-05	1.90E-05	6.27E-05	4.32E-06
2736	470003.61	3819200.18	2.28E-04	9.56E-04	8.61E-05	1.90E-04	7.03E-04	6.18E-05	2.15E-05	1.23E-04	1.47E-05	1.95E-05	6.45E-05	4.44E-06
2737	470007.27	3819191.79	2.34E-04	9.81E-04	8.84E-05	1.95E-04	7.21E-04	6.34E-05	2.21E-05	1.26E-04	1.51E-05	2.01E-05	6.62E-05	4.56E-06
2738	470010.92	3819183.41	2.39E-04	1.00E-03	9.04E-05	1.99E-04	7.38E-04	6.49E-05	2.26E-05	1.29E-04	1.54E-05	2.05E-05	6.77E-05	4.67E-06
2739	470014.58	3819175.02	2.44E-04	1.02E-03	9.22E-05	2.03E-04	7.53E-04	6.62E-05	2.30E-05	1.32E-04	1.57E-05	2.09E-05	6.90E-05	4.76E-06
2740	470018.24	3819166.63	2.48E-04	1.04E-03	9.37E-05	2.06E-04	7.64E-04	6.72E-05	2.34E-05	1.34E-04	1.60E-05	2.13E-05	7.01E-05	4.83E-06
2741	470021.9	3819158.24	2.50E-04	1.05E-03	9.45E-05	2.08E-04	7.71E-04	6.78E-05	2.36E-05	1.35E-04	1.61E-05	2.15E-05	7.07E-05	4.88E-06
2742	470034.07	3819146.48	2.68E-04	1.13E-03	1.01E-04	2.24E-04	8.28E-04	7.28E-05	2.53E-05	1.45E-04	1.73E-05	2.30E-05	7.60E-05	5.24E-06
2743	470042.58	3819143.11	2.86E-04	1.20E-03	1.08E-04	2.38E-04	8.83E-04	7.76E-05	2.70E-05	1.55E-04	1.84E-05	2.46E-05	8.10E-05	5.58E-06
2744	470051.08	3819139.74	3.04E-04	1.28E-03	1.15E-04	2.53E-04	9.38E-04	8.25E-05	2.87E-05	1.64E-04	1.96E-05	2.61E-05	8.60E-05	5.93E-06
2745	470059.59	3819136.37	3.22E-04	1.35E-03	1.22E-04	2.68E-04	9.94E-04	8.75E-05	3.04E-05	1.74E-04	2.08E-05	2.77E-05	9.12E-05	6.29E-06
2746	470068.1	3819133	3.40E-04	1.43E-03	1.29E-04	2.83E-04	1.05E-03	9.23E-05	3.21E-05	1.84E-04	2.19E-05	2.92E-05	9.63E-05	6.64E-06
2747	470076.61	3819129.63	3.57E-04	1.50E-03	1.35E-04	2.97E-04	1.10E-03	9.69E-05	3.37E-05	1.93E-04	2.30E-05	3.07E-05	1.01E-04	6.97E-06
2748	470085.12	3819126.26	3.72E-04	1.56E-03	1.41E-04	3.10E-04	1.15E-03	1.01E-04	3.52E-05	2.01E-04	2.40E-05	3.20E-05	1.05E-04	7.27E-06

2749	470093.63	3819122.89	3.86E-04	1.62E-03	1.46E-04	3.21E-04	1.19E-03	1.05E-04	3.64E-05	2.09E-04	2.49E-05	3.31E-05	1.09E-04	7.53E-06
2750	470102.14	3819119.52	3.98E-04	1.67E-03	1.50E-04	3.31E-04	1.23E-03	1.08E-04	3.76E-05	2.15E-04	2.56E-05	3.41E-05	1.13E-04	7.76E-06
2751	469979.65	3819208.87	1.78E-04	7.47E-04	6.73E-05	1.48E-04	5.49E-04	4.83E-05	1.68E-05	9.62E-05	1.15E-05	1.53E-05	5.03E-05	3.47E-06
2752	469986.76	3819192.56	1.88E-04	7.90E-04	7.11E-05	1.57E-04	5.80E-04	5.11E-05	1.78E-05	1.02E-04	1.21E-05	1.61E-05	5.32E-05	3.67E-06
2753	469993.88	3819176.25	1.98E-04	8.30E-04	7.47E-05	1.65E-04	6.10E-04	5.36E-05	1.87E-05	1.07E-04	1.27E-05	1.70E-05	5.59E-05	3.86E-06
2754	470000.99	3819159.94	2.05E-04	8.60E-04	7.74E-05	1.71E-04	6.32E-04	5.56E-05	1.93E-05	1.11E-04	1.32E-05	1.76E-05	5.80E-05	4.00E-06
2755	470008.1	3819143.63	2.09E-04	8.77E-04	7.90E-05	1.74E-04	6.44E-04	5.67E-05	1.97E-05	1.13E-04	1.35E-05	1.79E-05	5.91E-05	4.07E-06
2756	470019.93	3819132.19	2.23E-04	9.36E-04	8.43E-05	1.86E-04	6.88E-04	6.05E-05	2.11E-05	1.21E-04	1.44E-05	1.91E-05	6.31E-05	4.35E-06
2757	470036.48	3819125.64	2.50E-04	1.05E-03	9.45E-05	2.08E-04	7.71E-04	6.78E-05	2.36E-05	1.35E-04	1.61E-05	2.15E-05	7.07E-05	4.88E-06
2758	470053.02	3819119.09	2.77E-04	1.16E-03	1.05E-04	2.30E-04	8.54E-04	7.51E-05	2.61E-05	1.50E-04	1.78E-05	2.37E-05	7.83E-05	5.40E-06
2759	470069.56	3819112.54	3.02E-04	1.27E-03	1.14E-04	2.51E-04	9.31E-04	8.19E-05	2.85E-05	1.63E-04	1.95E-05	2.59E-05	8.54E-05	5.89E-06
2760	469960.24	3819207.13	1.46E-04	6.14E-04	5.53E-05	1.22E-04	4.51E-04	3.97E-05	1.38E-05	7.90E-05	9.42E-06	1.25E-05	4.14E-05	2.85E-06
2761	469963.99	3819198.52	1.51E-04	6.33E-04	5.70E-05	1.25E-04	4.65E-04	4.09E-05	1.42E-05	8.14E-05	9.71E-06	1.29E-05	4.26E-05	2.94E-06
2762	469967.74	3819189.92	1.55E-04	6.52E-04	5.87E-05	1.29E-04	4.79E-04	4.21E-05	1.47E-05	8.39E-05	1.00E-05	1.33E-05	4.39E-05	3.03E-06
2763	469971.5	3819181.31	1.60E-04	6.70E-04	6.04E-05	1.33E-04	4.93E-04	4.33E-05	1.51E-05	8.63E-05	1.03E-05	1.37E-05	4.52E-05	3.12E-06
2764	469975.25	3819172.71	1.64E-04	6.88E-04	6.20E-05	1.37E-04	5.06E-04	4.45E-05	1.55E-05	8.86E-05	1.06E-05	1.41E-05	4.64E-05	3.20E-06
2765	469979	3819164.11	1.68E-04	7.05E-04	6.35E-05	1.40E-04	5.18E-04	4.55E-05	1.58E-05	9.07E-05	1.08E-05	1.44E-05	4.75E-05	3.27E-06
2766	469982.75	3819155.5	1.71E-04	7.18E-04	6.46E-05	1.42E-04	5.27E-04	4.64E-05	1.61E-05	9.24E-05	1.10E-05	1.47E-05	4.84E-05	3.34E-06
2767	469986.5	3819146.9	1.74E-04	7.29E-04	6.56E-05	1.45E-04	5.35E-04	4.71E-05	1.64E-05	9.38E-05	1.12E-05	1.49E-05	4.91E-05	3.39E-06
2768	469990.26	3819138.3	1.76E-04	7.37E-04	6.64E-05	1.46E-04	5.42E-04	4.76E-05	1.66E-05	9.49E-05	1.13E-05	1.51E-05	4.97E-05	3.42E-06
2769	469994.01	3819129.69	1.77E-04	7.45E-04	6.71E-05	1.48E-04	5.47E-04	4.81E-05	1.67E-05	9.59E-05	1.14E-05	1.52E-05	5.02E-05	3.46E-06
2770	470006.49	3819117.63	1.90E-04	7.96E-04	7.17E-05	1.58E-04	5.85E-04	5.15E-05	1.79E-05	1.02E-04	1.22E-05	1.63E-05	5.37E-05	3.70E-06
2771	470015.21	3819114.18	2.01E-04	8.43E-04	7.59E-05	1.67E-04	6.20E-04	5.45E-05	1.90E-05	1.09E-04	1.29E-05	1.72E-05	5.68E-05	3.92E-06
2772	470058.85	3819096.89	2.55E-04	1.07E-03	9.64E-05	2.12E-04	7.87E-04	6.92E-05	2.41E-05	1.38E-04	1.64E-05	2.19E-05	7.22E-05	4.98E-06
2773	470067.57	3819093.44	2.65E-04	1.11E-03	1.00E-04	2.20E-04	8.16E-04	7.18E-05	2.50E-05	1.43E-04	1.71E-05	2.27E-05	7.49E-05	5.16E-06
2774	470076.3	3819089.98	2.73E-04	1.15E-03	1.03E-04	2.28E-04	8.43E-04	7.41E-05	2.58E-05	1.48E-04	1.76E-05	2.34E-05	7.73E-05	5.33E-06
2775	470085.03	3819086.52	2.81E-04	1.18E-03	1.06E-04	2.34E-04	8.67E-04	7.63E-05	2.65E-05	1.52E-04	1.81E-05	2.41E-05	7.95E-05	5.48E-06
2776	470093.76	3819083.07	2.87E-04	1.21E-03	1.09E-04	2.39E-04	8.87E-04	7.80E-05	2.71E-05	1.55E-04	1.85E-05	2.47E-05	8.14E-05	5.61E-06
2777	470102.48	3819079.61	2.93E-04	1.23E-03	1.11E-04	2.44E-04	9.03E-04	7.94E-05	2.76E-05	1.58E-04	1.89E-05	2.51E-05	8.28E-05	5.71E-06
2778	469939.96	3819207.37	1.21E-04	5.07E-04	4.57E-05	1.01E-04	3.73E-04	3.28E-05	1.14E-05	6.53E-05	7.79E-06	1.04E-05	3.42E-05	2.36E-06
2779	469943.62	3819198.98	1.24E-04	5.22E-04	4.70E-05	1.04E-04	3.84E-04	3.38E-05	1.17E-05	6.72E-05	8.02E-06	1.07E-05	3.52E-05	2.43E-06
2780	469947.28	3819190.59	1.28E-04	5.38E-04	4.85E-05	1.07E-04	3.95E-04	3.48E-05	1.21E-05	6.93E-05	8.26E-06	1.10E-05	3.63E-05	2.50E-06
2781	469950.94	3819182.2	1.32E-04	5.54E-04	4.99E-05	1.10E-04	4.07E-04	3.58E-05	1.25E-05	7.13E-05	8.51E-06	1.13E-05	3.73E-05	2.57E-06
2782	469954.59	3819173.82	1.36E-04	5.69E-04	5.13E-05	1.13E-04	4.18E-04	3.68E-05	1.28E-05	7.33E-05	8.74E-06	1.16E-05	3.84E-05	2.65E-06
2783	469958.25	3819165.43	1.39E-04	5.84E-04	5.26E-05	1.16E-04	4.29E-04	3.78E-05	1.31E-05	7.52E-05	8.97E-06	1.19E-05	3.94E-05	2.71E-06
2784	469961.91	3819157.04	1.42E-04	5.98E-04	5.39E-05	1.19E-04	4.40E-04	3.87E-05	1.35E-05	7.70E-05	9.19E-06	1.22E-05	4.03E-05	2.78E-06
2785	469965.57	3819148.65	1.45E-04	6.11E-04	5.50E-05	1.21E-04	4.49E-04	3.95E-05	1.37E-05	7.86E-05	9.38E-06	1.25E-05	4.12E-05	2.84E-06
2786	469969.23	3819140.26	1.48E-04	6.21E-04	5.59E-05	1.23E-04	4.56E-04	4.02E-05	1.40E-05	8.00E-05	9.54E-06	1.27E-05	4.19E-05	2.89E-06
2787	469972.89	3819131.87	1.50E-04	6.30E-04	5.67E-05	1.25E-04	4.63E-04	4.07E-05	1.42E-05	8.11E-05	9.67E-06	1.29E-05	4.25E-05	2.93E-06
2788	469976.54	3819123.48	1.52E-04	6.37E-04	5.74E-05	1.26E-04	4.68E-04	4.12E-05	1.43E-05	8.20E-05	9.78E-06	1.30E-05	4.29E-05	2.96E-06
2789	469980.2	3819115.1	1.53E-04	6.42E-04	5.79E-05	1.27E-04	4.72E-04	4.15E-05	1.44E-05	8.27E-05	9.87E-06	1.31E-05	4.33E-05	2.99E-06
2790	470009.39	3819096.6	1.80E-04	7.56E-04	6.81E-05	1.50E-04	5.56E-04	4.89E-05	1.70E-05	9.74E-05	1.16E-05	1.55E-05	5.10E-05	3.51E-06
2791	470017.9	3819093.23	1.89E-04	7.93E-04	7.14E-05	1.57E-04	5.83E-04	5.13E-05	1.78E-05	1.02E-04	1.22E-05	1.62E-05	5.35E-05	3.69E-06

2792	470026.4	3819089.86	1.98E-04	8.30E-04	7.47E-05	1.65E-04	6.10E-04	5.36E-05	1.87E-05	1.07E-04	1.27E-05	1.70E-05	5.59E-05	3.85E-06
2793	470034.91	3819086.49	2.06E-04	8.65E-04	7.79E-05	1.72E-04	6.36E-04	5.59E-05	1.95E-05	1.11E-04	1.33E-05	1.77E-05	5.83E-05	4.02E-06
2794	470043.42	3819083.12	2.14E-04	9.00E-04	8.10E-05	1.78E-04	6.61E-04	5.82E-05	2.02E-05	1.16E-04	1.38E-05	1.84E-05	6.06E-05	4.18E-06
2795	470051.93	3819079.75	2.22E-04	9.32E-04	8.40E-05	1.85E-04	6.85E-04	6.03E-05	2.10E-05	1.20E-04	1.43E-05	1.91E-05	6.28E-05	4.33E-06
2796	470060.44	3819076.38	2.29E-04	9.63E-04	8.67E-05	1.91E-04	7.08E-04	6.23E-05	2.17E-05	1.24E-04	1.48E-05	1.97E-05	6.49E-05	4.47E-06
2797	470068.95	3819073.01	2.36E-04	9.91E-04	8.93E-05	1.97E-04	7.28E-04	6.41E-05	2.23E-05	1.28E-04	1.52E-05	2.03E-05	6.68E-05	4.61E-06
2798	470077.46	3819069.64	2.42E-04	1.02E-03	9.15E-05	2.02E-04	7.47E-04	6.57E-05	2.29E-05	1.31E-04	1.56E-05	2.08E-05	6.85E-05	4.72E-06
2799	470085.97	3819066.27	2.47E-04	1.04E-03	9.35E-05	2.06E-04	7.63E-04	6.71E-05	2.33E-05	1.34E-04	1.59E-05	2.12E-05	7.00E-05	4.82E-06
2800	470094.47	3819062.9	2.51E-04	1.06E-03	9.51E-05	2.09E-04	7.76E-04	6.83E-05	2.37E-05	1.36E-04	1.62E-05	2.16E-05	7.12E-05	4.91E-06
2801	470102.98	3819059.53	2.55E-04	1.07E-03	9.63E-05	2.12E-04	7.86E-04	6.92E-05	2.41E-05	1.38E-04	1.64E-05	2.19E-05	7.21E-05	4.97E-06
2802	469920.42	3819205.92	1.02E-04	4.26E-04	3.84E-05	8.45E-05	3.13E-04	2.76E-05	9.58E-06	5.49E-05	6.55E-06	8.71E-06	2.87E-05	1.98E-06
2803	469924.23	3819197.18	1.05E-04	4.40E-04	3.96E-05	8.73E-05	3.23E-04	2.84E-05	9.89E-06	5.66E-05	6.76E-06	8.99E-06	2.97E-05	2.04E-06
2804	469928.04	3819188.45	1.08E-04	4.54E-04	4.08E-05	9.00E-05	3.33E-04	2.93E-05	1.02E-05	5.84E-05	6.97E-06	9.27E-06	3.06E-05	2.11E-06
2805	469931.85	3819179.71	1.11E-04	4.68E-04	4.21E-05	9.27E-05	3.44E-04	3.02E-05	1.05E-05	6.02E-05	7.18E-06	9.56E-06	3.15E-05	2.17E-06
2806	469935.67	3819170.97	1.15E-04	4.82E-04	4.34E-05	9.55E-05	3.54E-04	3.11E-05	1.08E-05	6.20E-05	7.40E-06	9.84E-06	3.25E-05	2.24E-06
2807	469939.48	3819162.23	1.18E-04	4.95E-04	4.46E-05	9.82E-05	3.64E-04	3.20E-05	1.11E-05	6.37E-05	7.60E-06	1.01E-05	3.34E-05	2.30E-06
2808	469943.29	3819153.49	1.21E-04	5.08E-04	4.58E-05	1.01E-04	3.73E-04	3.29E-05	1.14E-05	6.54E-05	7.81E-06	1.04E-05	3.43E-05	2.36E-06
2809	469947.1	3819144.75	1.24E-04	5.21E-04	4.69E-05	1.03E-04	3.82E-04	3.36E-05	1.17E-05	6.70E-05	7.99E-06	1.06E-05	3.51E-05	2.42E-06
2810	469950.91	3819136.02	1.27E-04	5.32E-04	4.79E-05	1.05E-04	3.91E-04	3.44E-05	1.20E-05	6.85E-05	8.17E-06	1.09E-05	3.58E-05	2.47E-06
2811	469954.72	3819127.28	1.29E-04	5.40E-04	4.87E-05	1.07E-04	3.97E-04	3.49E-05	1.22E-05	6.96E-05	8.30E-06	1.10E-05	3.64E-05	2.51E-06
2812	469958.53	3819118.54	1.30E-04	5.48E-04	4.93E-05	1.09E-04	4.03E-04	3.54E-05	1.23E-05	7.05E-05	8.41E-06	1.12E-05	3.69E-05	2.55E-06
2813	469978.83	3819088.82	1.41E-04	5.94E-04	5.35E-05	1.18E-04	4.36E-04	3.84E-05	1.34E-05	7.64E-05	9.12E-06	1.21E-05	4.00E-05	2.76E-06
2814	469987.69	3819085.3	1.49E-04	6.25E-04	5.63E-05	1.24E-04	4.59E-04	4.04E-05	1.41E-05	8.04E-05	9.60E-06	1.28E-05	4.21E-05	2.90E-06
2815	469996.55	3819081.79	1.56E-04	6.56E-04	5.91E-05	1.30E-04	4.82E-04	4.24E-05	1.48E-05	8.45E-05	1.01E-05	1.34E-05	4.42E-05	3.05E-06
2816	470005.42	3819078.28	1.64E-04	6.88E-04	6.19E-05	1.36E-04	5.05E-04	4.45E-05	1.55E-05	8.85E-05	1.06E-05	1.41E-05	4.64E-05	3.20E-06
2817	470014.28	3819074.77	1.71E-04	7.19E-04	6.47E-05	1.43E-04	5.28E-04	4.65E-05	1.62E-05	9.25E-05	1.10E-05	1.47E-05	4.84E-05	3.34E-06
2818	470023.14	3819071.26	1.78E-04	7.49E-04	6.74E-05	1.49E-04	5.50E-04	4.84E-05	1.68E-05	9.64E-05	1.15E-05	1.53E-05	5.05E-05	3.48E-06
2819	470032.01	3819067.75	1.85E-04	7.78E-04	7.01E-05	1.54E-04	5.72E-04	5.03E-05	1.75E-05	1.00E-04	1.20E-05	1.59E-05	5.25E-05	3.62E-06
2820	470040.87	3819064.24	1.92E-04	8.06E-04	7.26E-05	1.60E-04	5.93E-04	5.21E-05	1.81E-05	1.04E-04	1.24E-05	1.65E-05	5.44E-05	3.75E-06
2821	470049.73	3819060.73	1.98E-04	8.33E-04	7.50E-05	1.65E-04	6.12E-04	5.38E-05	1.87E-05	1.07E-04	1.28E-05	1.70E-05	5.61E-05	3.87E-06
2822	470058.59	3819057.22	2.04E-04	8.57E-04	7.72E-05	1.70E-04	6.30E-04	5.54E-05	1.93E-05	1.10E-04	1.32E-05	1.75E-05	5.78E-05	3.98E-06
2823	470067.46	3819053.71	2.09E-04	8.79E-04	7.92E-05	1.74E-04	6.46E-04	5.68E-05	1.98E-05	1.13E-04	1.35E-05	1.80E-05	5.93E-05	4.09E-06
2824	470076.32	3819050.2	2.14E-04	8.99E-04	8.09E-05	1.78E-04	6.60E-04	5.81E-05	2.02E-05	1.16E-04	1.38E-05	1.84E-05	6.06E-05	4.18E-06
2825	470085.18	3819046.69	2.18E-04	9.15E-04	8.24E-05	1.82E-04	6.73E-04	5.92E-05	2.06E-05	1.18E-04	1.41E-05	1.87E-05	6.17E-05	4.25E-06
2826	470094.05	3819043.18	2.21E-04	9.29E-04	8.36E-05	1.84E-04	6.82E-04	6.00E-05	2.09E-05	1.20E-04	1.43E-05	1.90E-05	6.26E-05	4.31E-06
2827	470102.91	3819039.67	2.23E-04	9.38E-04	8.45E-05	1.86E-04	6.90E-04	6.07E-05	2.11E-05	1.21E-04	1.44E-05	1.92E-05	6.32E-05	4.36E-06
2828	469900.17	3819206.1	8.56E-05	3.60E-04	3.24E-05	7.13E-05	2.64E-04	2.32E-05	8.09E-06	4.63E-05	5.52E-06	7.35E-06	2.42E-05	1.67E-06
2829	469903.9	3819197.56	8.85E-05	3.71E-04	3.35E-05	7.37E-05	2.73E-04	2.40E-05	8.35E-06	4.78E-05	5.71E-06	7.59E-06	2.50E-05	1.73E-06
2830	469907.62	3819189.02	9.10E-05	3.82E-04	3.44E-05	7.58E-05	2.81E-04	2.47E-05	8.59E-06	4.92E-05	5.87E-06	7.81E-06	2.57E-05	1.77E-06
2831	469911.35	3819180.47	9.35E-05	3.93E-04	3.54E-05	7.79E-05	2.89E-04	2.54E-05	8.83E-06	5.06E-05	6.03E-06	8.03E-06	2.65E-05	1.83E-06
2832	469915.08	3819171.93	9.62E-05	4.04E-04	3.64E-05	8.02E-05	2.97E-04	2.61E-05	9.09E-06	5.20E-05	6.21E-06	8.26E-06	2.72E-05	1.88E-06
2833	469918.8	3819163.38	9.90E-05	4.16E-04	3.75E-05	8.25E-05	3.06E-04	2.69E-05	9.35E-06	5.35E-05	6.39E-06	8.50E-06	2.80E-05	1.93E-06
2834	469922.53	3819154.84	1.02E-04	4.28E-04	3.85E-05	8.49E-05	3.14E-04	2.77E-05	9.62E-06	5.51E-05	6.57E-06	8.75E-06	2.88E-05	1.99E-06

2835	469926.26	3819146.3	1.05E-04	4.40E-04	3.96E-05	8.72E-05	3.23E-04	2.84E-05	9.89E-06	5.66E-05	6.75E-06	8.99E-06	2.96E-05	2.04E-06
2836	469929.98	3819137.75	1.07E-04	4.51E-04	4.06E-05	8.94E-05	3.31E-04	2.91E-05	1.01E-05	5.80E-05	6.92E-06	9.21E-06	3.04E-05	2.09E-06
2837	469933.71	3819129.21	1.09E-04	4.60E-04	4.14E-05	9.12E-05	3.38E-04	2.97E-05	1.03E-05	5.92E-05	7.06E-06	9.40E-06	3.10E-05	2.14E-06
2838	469937.43	3819120.66	1.11E-04	4.68E-04	4.21E-05	9.27E-05	3.44E-04	3.02E-05	1.05E-05	6.02E-05	7.18E-06	9.56E-06	3.15E-05	2.17E-06
2839	469941.16	3819112.12	1.13E-04	4.75E-04	4.27E-05	9.41E-05	3.49E-04	3.07E-05	1.07E-05	6.11E-05	7.29E-06	9.70E-06	3.20E-05	2.20E-06
2840	469948.61	3819095.03	1.16E-04	4.87E-04	4.38E-05	9.65E-05	3.58E-04	3.15E-05	1.09E-05	6.26E-05	7.47E-06	9.95E-06	3.28E-05	2.26E-06
2841	469952.34	3819086.49	1.17E-04	4.91E-04	4.42E-05	9.74E-05	3.61E-04	3.18E-05	1.10E-05	6.32E-05	7.54E-06	1.00E-05	3.31E-05	2.28E-06
2842	469964.73	3819074.51	1.24E-04	5.19E-04	4.68E-05	1.03E-04	3.82E-04	3.36E-05	1.17E-05	6.69E-05	7.98E-06	1.06E-05	3.50E-05	2.41E-06
2843	469973.4	3819071.08	1.30E-04	5.45E-04	4.91E-05	1.08E-04	4.00E-04	3.52E-05	1.22E-05	7.01E-05	8.37E-06	1.11E-05	3.67E-05	2.53E-06
2844	469982.06	3819067.65	1.36E-04	5.70E-04	5.13E-05	1.13E-04	4.19E-04	3.69E-05	1.28E-05	7.34E-05	8.76E-06	1.17E-05	3.84E-05	2.65E-06
2845	469990.73	3819064.21	1.42E-04	5.95E-04	5.36E-05	1.18E-04	4.38E-04	3.85E-05	1.34E-05	7.67E-05	9.15E-06	1.22E-05	4.01E-05	2.77E-06
2846	469999.4	3819060.78	1.48E-04	6.21E-04	5.59E-05	1.23E-04	4.56E-04	4.01E-05	1.40E-05	7.99E-05	9.53E-06	1.27E-05	4.18E-05	2.88E-06
2847	470008.06	3819057.35	1.54E-04	6.45E-04	5.81E-05	1.28E-04	4.74E-04	4.17E-05	1.45E-05	8.31E-05	9.91E-06	1.32E-05	4.35E-05	3.00E-06
2848	470016.73	3819053.92	1.59E-04	6.69E-04	6.03E-05	1.33E-04	4.92E-04	4.33E-05	1.51E-05	8.62E-05	1.03E-05	1.37E-05	4.51E-05	3.11E-06
2849	470025.39	3819050.49	1.65E-04	6.93E-04	6.24E-05	1.37E-04	5.09E-04	4.48E-05	1.56E-05	8.92E-05	1.06E-05	1.42E-05	4.67E-05	3.22E-06
2850	470034.06	3819047.05	1.70E-04	7.15E-04	6.44E-05	1.42E-04	5.25E-04	4.62E-05	1.61E-05	9.20E-05	1.10E-05	1.46E-05	4.82E-05	3.32E-06
2851	470042.73	3819043.62	1.75E-04	7.36E-04	6.63E-05	1.46E-04	5.41E-04	4.76E-05	1.65E-05	9.47E-05	1.13E-05	1.50E-05	4.96E-05	3.42E-06
2852	470051.39	3819040.19	1.80E-04	7.55E-04	6.80E-05	1.50E-04	5.55E-04	4.88E-05	1.70E-05	9.72E-05	1.16E-05	1.54E-05	5.09E-05	3.51E-06
2853	470060.06	3819036.76	1.84E-04	7.73E-04	6.96E-05	1.53E-04	5.68E-04	5.00E-05	1.74E-05	9.95E-05	1.19E-05	1.58E-05	5.21E-05	3.59E-06
2854	470068.72	3819033.32	1.88E-04	7.89E-04	7.10E-05	1.56E-04	5.80E-04	5.10E-05	1.77E-05	1.02E-04	1.21E-05	1.61E-05	5.32E-05	3.67E-06
2855	470077.39	3819029.89	1.91E-04	8.03E-04	7.23E-05	1.59E-04	5.90E-04	5.19E-05	1.80E-05	1.03E-04	1.23E-05	1.64E-05	5.41E-05	3.73E-06
2856	470086.06	3819026.46	1.94E-04	8.14E-04	7.33E-05	1.61E-04	5.98E-04	5.26E-05	1.83E-05	1.05E-04	1.25E-05	1.66E-05	5.49E-05	3.78E-06
2857	470094.72	3819023.03	1.96E-04	8.23E-04	7.41E-05	1.63E-04	6.05E-04	5.32E-05	1.85E-05	1.06E-04	1.26E-05	1.68E-05	5.55E-05	3.82E-06
2858	470103.39	3819019.59	1.97E-04	8.29E-04	7.47E-05	1.64E-04	6.09E-04	5.36E-05	1.86E-05	1.07E-04	1.27E-05	1.69E-05	5.59E-05	3.85E-06
2859	469880.55	3819204.85	7.32E-05	3.07E-04	2.77E-05	6.10E-05	2.26E-04	1.99E-05	6.91E-06	3.96E-05	4.72E-06	6.28E-06	2.07E-05	1.43E-06
2860	469884.4	3819196.01	7.55E-05	3.17E-04	2.86E-05	6.29E-05	2.33E-04	2.05E-05	7.13E-06	4.08E-05	4.87E-06	6.48E-06	2.14E-05	1.47E-06
2861	469888.25	3819187.18	7.78E-05	3.27E-04	2.94E-05	6.48E-05	2.40E-04	2.11E-05	7.34E-06	4.20E-05	5.02E-06	6.68E-06	2.20E-05	1.52E-06
2862	469892.1	3819178.35	8.00E-05	3.36E-04	3.03E-05	6.67E-05	2.47E-04	2.17E-05	7.56E-06	4.33E-05	5.16E-06	6.87E-06	2.27E-05	1.56E-06
2863	469895.95	3819169.52	8.23E-05	3.46E-04	3.11E-05	6.86E-05	2.54E-04	2.23E-05	7.77E-06	4.45E-05	5.31E-06	7.07E-06	2.33E-05	1.61E-06
2864	469899.81	3819160.69	8.47E-05	3.56E-04	3.20E-05	7.06E-05	2.61E-04	2.30E-05	8.00E-06	4.58E-05	5.47E-06	7.27E-06	2.40E-05	1.65E-06
2865	469903.66	3819151.86	8.73E-05	3.67E-04	3.30E-05	7.27E-05	2.69E-04	2.37E-05	8.25E-06	4.72E-05	5.63E-06	7.50E-06	2.47E-05	1.70E-06
2866	469907.51	3819143.03	8.98E-05	3.77E-04	3.40E-05	7.48E-05	2.77E-04	2.44E-05	8.48E-06	4.86E-05	5.79E-06	7.71E-06	2.54E-05	1.75E-06
2867	469911.36	3819134.2	9.23E-05	3.88E-04	3.49E-05	7.69E-05	2.85E-04	2.50E-05	8.71E-06	4.99E-05	5.95E-06	7.92E-06	2.61E-05	1.80E-06
2868	469915.21	3819125.37	9.45E-05	3.97E-04	3.57E-05	7.87E-05	2.92E-04	2.56E-05	8.92E-06	5.11E-05	6.09E-06	8.11E-06	2.67E-05	1.84E-06
2869	469919.06	3819116.54	9.65E-05	4.05E-04	3.65E-05	8.03E-05	2.98E-04	2.62E-05	9.11E-06	5.21E-05	6.22E-06	8.28E-06	2.73E-05	1.88E-06
2870	469930.61	3819090.05	1.01E-04	4.26E-04	3.83E-05	8.44E-05	3.13E-04	2.75E-05	9.57E-06	5.48E-05	6.54E-06	8.70E-06	2.87E-05	1.98E-06
2871	469934.46	3819081.22	1.03E-04	4.31E-04	3.88E-05	8.54E-05	3.17E-04	2.78E-05	9.69E-06	5.54E-05	6.62E-06	8.81E-06	2.90E-05	2.00E-06
2872	469938.31	3819072.39	1.04E-04	4.35E-04	3.92E-05	8.62E-05	3.20E-04	2.81E-05	9.78E-06	5.60E-05	6.68E-06	8.89E-06	2.93E-05	2.02E-06
2873	469951.12	3819060.02	1.09E-04	4.59E-04	4.14E-05	9.11E-05	3.38E-04	2.97E-05	1.03E-05	5.91E-05	7.06E-06	9.39E-06	3.10E-05	2.13E-06
2874	469960.08	3819056.47	1.15E-04	4.81E-04	4.33E-05	9.55E-05	3.54E-04	3.11E-05	1.08E-05	6.20E-05	7.39E-06	9.84E-06	3.24E-05	2.24E-06
2875	469969.03	3819052.92	1.20E-04	5.03E-04	4.53E-05	9.98E-05	3.70E-04	3.25E-05	1.13E-05	6.48E-05	7.73E-06	1.03E-05	3.39E-05	2.34E-06
2876	469977.99	3819049.37	1.25E-04	5.25E-04	4.73E-05	1.04E-04	3.86E-04	3.39E-05	1.18E-05	6.76E-05	8.07E-06	1.07E-05	3.54E-05	2.44E-06
2877	469986.95	3819045.83	1.30E-04	5.47E-04	4.92E-05	1.08E-04	4.02E-04	3.53E-05	1.23E-05	7.04E-05	8.40E-06	1.12E-05	3.69E-05	2.54E-06

2878	469995.9	3819042.28	1.35E-04	5.68E-04	5.11E-05	1.13E-04	4.17E-04	3.67E-05	1.28E-05	7.31E-05	8.72E-06	1.16E-05	3.83E-05	2.64E-06
2879	470004.86	3819038.73	1.40E-04	5.89E-04	5.30E-05	1.17E-04	4.33E-04	3.80E-05	1.32E-05	7.58E-05	9.04E-06	1.20E-05	3.97E-05	2.74E-06
2880	470013.82	3819035.18	1.45E-04	6.09E-04	5.48E-05	1.21E-04	4.47E-04	3.94E-05	1.37E-05	7.84E-05	9.35E-06	1.24E-05	4.10E-05	2.83E-06
2881	470022.77	3819031.64	1.50E-04	6.29E-04	5.66E-05	1.25E-04	4.62E-04	4.06E-05	1.41E-05	8.09E-05	9.65E-06	1.28E-05	4.24E-05	2.92E-06
2882	470031.73	3819028.09	1.54E-04	6.47E-04	5.83E-05	1.28E-04	4.75E-04	4.18E-05	1.45E-05	8.33E-05	9.94E-06	1.32E-05	4.36E-05	3.01E-06
2883	470040.69	3819024.54	1.58E-04	6.64E-04	5.98E-05	1.32E-04	4.88E-04	4.29E-05	1.49E-05	8.55E-05	1.02E-05	1.36E-05	4.48E-05	3.09E-06
2884	470049.64	3819021	1.62E-04	6.80E-04	6.12E-05	1.35E-04	5.00E-04	4.39E-05	1.53E-05	8.75E-05	1.04E-05	1.39E-05	4.58E-05	3.16E-06
2885	470058.6	3819017.45	1.65E-04	6.94E-04	6.25E-05	1.38E-04	5.10E-04	4.49E-05	1.56E-05	8.94E-05	1.07E-05	1.42E-05	4.68E-05	3.23E-06
2886	470067.56	3819013.9	1.68E-04	7.07E-04	6.36E-05	1.40E-04	5.19E-04	4.57E-05	1.59E-05	9.10E-05	1.09E-05	1.44E-05	4.76E-05	3.28E-06
2887	470076.51	3819010.35	1.71E-04	7.17E-04	6.46E-05	1.42E-04	5.27E-04	4.64E-05	1.61E-05	9.23E-05	1.10E-05	1.47E-05	4.84E-05	3.33E-06
2888	470085.47	3819006.81	1.73E-04	7.26E-04	6.54E-05	1.44E-04	5.34E-04	4.69E-05	1.63E-05	9.35E-05	1.12E-05	1.48E-05	4.89E-05	3.37E-06
2889	470094.43	3819003.26	1.74E-04	7.33E-04	6.60E-05	1.45E-04	5.38E-04	4.74E-05	1.65E-05	9.43E-05	1.13E-05	1.50E-05	4.94E-05	3.40E-06
2890	470103.38	3818999.71	1.75E-04	7.37E-04	6.63E-05	1.46E-04	5.41E-04	4.76E-05	1.66E-05	9.48E-05	1.13E-05	1.51E-05	4.97E-05	3.42E-06
2891	469860.33	3819204.97	6.30E-05	2.64E-04	2.38E-05	5.25E-05	1.94E-04	1.71E-05	5.95E-06	3.40E-05	4.06E-06	5.41E-06	1.78E-05	1.23E-06
2892	469864.1	3819196.32	6.47E-05	2.72E-04	2.45E-05	5.39E-05	2.00E-04	1.76E-05	6.11E-06	3.50E-05	4.17E-06	5.55E-06	1.83E-05	1.26E-06
2893	469867.87	3819187.66	6.66E-05	2.80E-04	2.52E-05	5.54E-05	2.05E-04	1.81E-05	6.28E-06	3.60E-05	4.29E-06	5.71E-06	1.88E-05	1.30E-06
2894	469871.65	3819179.01	6.85E-05	2.88E-04	2.59E-05	5.71E-05	2.11E-04	1.86E-05	6.47E-06	3.70E-05	4.42E-06	5.88E-06	1.94E-05	1.34E-06
2895	469875.42	3819170.35	7.06E-05	2.96E-04	2.67E-05	5.88E-05	2.18E-04	1.92E-05	6.66E-06	3.81E-05	4.55E-06	6.06E-06	2.00E-05	1.38E-06
2896	469879.2	3819161.7	7.26E-05	3.05E-04	2.75E-05	6.05E-05	2.24E-04	1.97E-05	6.86E-06	3.93E-05	4.68E-06	6.23E-06	2.06E-05	1.42E-06
2897	469882.97	3819153.04	7.47E-05	3.14E-04	2.83E-05	6.22E-05	2.31E-04	2.03E-05	7.06E-06	4.04E-05	4.82E-06	6.41E-06	2.11E-05	1.46E-06
2898	469886.75	3819144.39	7.68E-05	3.23E-04	2.91E-05	6.40E-05	2.37E-04	2.09E-05	7.25E-06	4.15E-05	4.96E-06	6.60E-06	2.17E-05	1.50E-06
2899	469890.52	3819135.73	7.89E-05	3.31E-04	2.98E-05	6.57E-05	2.43E-04	2.14E-05	7.45E-06	4.27E-05	5.09E-06	6.77E-06	2.23E-05	1.54E-06
2900	469894.3	3819127.08	8.09E-05	3.40E-04	3.06E-05	6.74E-05	2.50E-04	2.20E-05	7.64E-06	4.37E-05	5.22E-06	6.95E-06	2.29E-05	1.58E-06
2901	469898.07	3819118.42	8.29E-05	3.48E-04	3.13E-05	6.90E-05	2.56E-04	2.25E-05	7.82E-06	4.48E-05	5.34E-06	7.11E-06	2.35E-05	1.62E-06
2902	469901.85	3819109.77	8.47E-05	3.56E-04	3.20E-05	7.05E-05	2.61E-04	2.30E-05	8.00E-06	4.58E-05	5.46E-06	7.27E-06	2.40E-05	1.65E-06
2903	469909.39	3819092.46	8.79E-05	3.69E-04	3.33E-05	7.32E-05	2.71E-04	2.39E-05	8.30E-06	4.75E-05	5.67E-06	7.55E-06	2.49E-05	1.72E-06
2904	469913.17	3819083.8	8.93E-05	3.75E-04	3.38E-05	7.44E-05	2.76E-04	2.42E-05	8.43E-06	4.83E-05	5.76E-06	7.67E-06	2.53E-05	1.74E-06
2905	469916.94	3819075.15	9.05E-05	3.80E-04	3.42E-05	7.54E-05	2.79E-04	2.46E-05	8.55E-06	4.89E-05	5.84E-06	7.77E-06	2.56E-05	1.77E-06
2906	469920.72	3819066.49	9.15E-05	3.84E-04	3.46E-05	7.62E-05	2.82E-04	2.48E-05	8.64E-06	4.95E-05	5.90E-06	7.86E-06	2.59E-05	1.79E-06
2907	469924.49	3819057.84	9.23E-05	3.88E-04	3.49E-05	7.69E-05	2.85E-04	2.51E-05	8.72E-06	4.99E-05	5.96E-06	7.93E-06	2.61E-05	1.80E-06
2908	469937.05	3819045.7	9.72E-05	4.08E-04	3.68E-05	8.10E-05	3.00E-04	2.64E-05	9.18E-06	5.25E-05	6.27E-06	8.34E-06	2.75E-05	1.90E-06
2909	469945.82	3819042.23	1.02E-04	4.26E-04	3.84E-05	8.46E-05	3.13E-04	2.76E-05	9.59E-06	5.49E-05	6.55E-06	8.71E-06	2.87E-05	1.98E-06
2910	469954.6	3819038.75	1.06E-04	4.44E-04	4.00E-05	8.82E-05	3.27E-04	2.87E-05	9.99E-06	5.72E-05	6.83E-06	9.09E-06	3.00E-05	2.07E-06
2911	469963.38	3819035.27	1.10E-04	4.63E-04	4.17E-05	9.17E-05	3.40E-04	2.99E-05	1.04E-05	5.95E-05	7.10E-06	9.46E-06	3.12E-05	2.15E-06
2912	469972.16	3819031.8	1.14E-04	4.80E-04	4.32E-05	9.52E-05	3.53E-04	3.10E-05	1.08E-05	6.18E-05	7.37E-06	9.81E-06	3.24E-05	2.23E-06
2913	469980.94	3819028.32	1.18E-04	4.97E-04	4.48E-05	9.86E-05	3.65E-04	3.21E-05	1.12E-05	6.40E-05	7.64E-06	1.02E-05	3.35E-05	2.31E-06
2914	469989.72	3819024.84	1.22E-04	5.14E-04	4.63E-05	1.02E-04	3.78E-04	3.32E-05	1.16E-05	6.61E-05	7.89E-06	1.05E-05	3.46E-05	2.39E-06
2915	469998.5	3819021.37	1.26E-04	5.31E-04	4.78E-05	1.05E-04	3.90E-04	3.43E-05	1.19E-05	6.84E-05	8.16E-06	1.09E-05	3.58E-05	2.47E-06
2916	470007.28	3819017.89	1.30E-04	5.48E-04	4.93E-05	1.09E-04	4.03E-04	3.54E-05	1.23E-05	7.05E-05	8.42E-06	1.12E-05	3.69E-05	2.55E-06
2917	470016.05	3819014.41	1.34E-04	5.64E-04	5.08E-05	1.12E-04	4.15E-04	3.65E-05	1.27E-05	7.27E-05	8.67E-06	1.15E-05	3.80E-05	2.62E-06
2918	470024.83	3819010.94	1.38E-04	5.80E-04	5.22E-05	1.15E-04	4.26E-04	3.75E-05	1.30E-05	7.46E-05	8.90E-06	1.19E-05	3.91E-05	2.69E-06
2919	470033.61	3819007.46	1.41E-04	5.94E-04	5.35E-05	1.18E-04	4.36E-04	3.84E-05	1.34E-05	7.64E-05	9.12E-06	1.21E-05	4.00E-05	2.76E-06
2920	470042.39	3819003.98	1.44E-04	6.07E-04	5.46E-05	1.20E-04	4.46E-04	3.92E-05	1.36E-05	7.81E-05	9.32E-06	1.24E-05	4.09E-05	2.82E-06

2921	470051.17	3819000.5	1.47E-04	6.18E-04	5.57E-05	1.23E-04	4.54E-04	4.00E-05	1.39E-05	7.96E-05	9.50E-06	1.26E-05	4.17E-05	2.87E-06
2922	470059.95	3818997.03	1.50E-04	6.29E-04	5.67E-05	1.25E-04	4.62E-04	4.07E-05	1.41E-05	8.10E-05	9.66E-06	1.29E-05	4.24E-05	2.92E-06
2923	469840.14	3819205	5.48E-05	2.30E-04	2.07E-05	4.57E-05	1.69E-04	1.49E-05	5.18E-06	2.96E-05	3.54E-06	4.71E-06	1.55E-05	1.07E-06
2924	469843.85	3819196.49	5.62E-05	2.36E-04	2.13E-05	4.68E-05	1.73E-04	1.53E-05	5.31E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
2925	469847.56	3819187.98	5.77E-05	2.42E-04	2.18E-05	4.81E-05	1.78E-04	1.57E-05	5.45E-06	3.12E-05	3.72E-06	4.96E-06	1.63E-05	1.13E-06
2926	469851.27	3819179.47	5.93E-05	2.49E-04	2.24E-05	4.94E-05	1.83E-04	1.61E-05	5.60E-06	3.21E-05	3.83E-06	5.09E-06	1.68E-05	1.16E-06
2927	469854.99	3819170.96	6.10E-05	2.56E-04	2.31E-05	5.08E-05	1.88E-04	1.66E-05	5.76E-06	3.30E-05	3.93E-06	5.24E-06	1.73E-05	1.19E-06
2928	469858.7	3819162.45	6.27E-05	2.63E-04	2.37E-05	5.23E-05	1.94E-04	1.70E-05	5.92E-06	3.39E-05	4.05E-06	5.39E-06	1.78E-05	1.22E-06
2929	469862.41	3819153.94	6.45E-05	2.71E-04	2.44E-05	5.37E-05	1.99E-04	1.75E-05	6.09E-06	3.49E-05	4.16E-06	5.54E-06	1.83E-05	1.26E-06
2930	469866.12	3819145.43	6.63E-05	2.79E-04	2.51E-05	5.52E-05	2.05E-04	1.80E-05	6.26E-06	3.59E-05	4.28E-06	5.69E-06	1.88E-05	1.29E-06
2931	469869.83	3819136.92	6.81E-05	2.86E-04	2.58E-05	5.67E-05	2.10E-04	1.85E-05	6.43E-06	3.68E-05	4.39E-06	5.85E-06	1.93E-05	1.33E-06
2932	469873.54	3819128.41	6.99E-05	2.94E-04	2.64E-05	5.82E-05	2.16E-04	1.90E-05	6.60E-06	3.78E-05	4.51E-06	6.00E-06	1.98E-05	1.36E-06
2933	469877.25	3819119.9	7.17E-05	3.01E-04	2.71E-05	5.97E-05	2.21E-04	1.95E-05	6.77E-06	3.87E-05	4.62E-06	6.15E-06	2.03E-05	1.40E-06
2934	469880.97	3819111.39	7.34E-05	3.08E-04	2.77E-05	6.11E-05	2.26E-04	1.99E-05	6.93E-06	3.97E-05	4.73E-06	6.30E-06	2.08E-05	1.43E-06
2935	469888.39	3819094.37	7.65E-05	3.21E-04	2.89E-05	6.37E-05	2.36E-04	2.08E-05	7.22E-06	4.13E-05	4.93E-06	6.57E-06	2.16E-05	1.49E-06
2936	469892.1	3819085.86	7.79E-05	3.27E-04	2.95E-05	6.49E-05	2.40E-04	2.11E-05	7.36E-06	4.21E-05	5.02E-06	6.69E-06	2.20E-05	1.52E-06
2937	469895.81	3819077.35	7.92E-05	3.32E-04	2.99E-05	6.59E-05	2.44E-04	2.15E-05	7.48E-06	4.28E-05	5.11E-06	6.80E-06	2.24E-05	1.54E-06
2938	469899.52	3819068.84	8.03E-05	3.37E-04	3.04E-05	6.69E-05	2.48E-04	2.18E-05	7.58E-06	4.34E-05	5.18E-06	6.89E-06	2.27E-05	1.57E-06
2939	469903.23	3819060.33	8.13E-05	3.41E-04	3.08E-05	6.77E-05	2.51E-04	2.21E-05	7.68E-06	4.40E-05	5.24E-06	6.98E-06	2.30E-05	1.59E-06
2940	469906.95	3819051.82	8.22E-05	3.45E-04	3.11E-05	6.84E-05	2.54E-04	2.23E-05	7.76E-06	4.44E-05	5.30E-06	7.05E-06	2.33E-05	1.60E-06
2941	469910.66	3819043.31	8.28E-05	3.48E-04	3.13E-05	6.90E-05	2.56E-04	2.25E-05	7.82E-06	4.48E-05	5.34E-06	7.11E-06	2.34E-05	1.62E-06
2942	469923	3819031.38	8.69E-05	3.65E-04	3.29E-05	7.24E-05	2.68E-04	2.36E-05	8.21E-06	4.70E-05	5.61E-06	7.46E-06	2.46E-05	1.70E-06
2943	469931.63	3819027.96	9.05E-05	3.80E-04	3.42E-05	7.54E-05	2.79E-04	2.46E-05	8.55E-06	4.89E-05	5.84E-06	7.77E-06	2.56E-05	1.77E-06
2944	469940.26	3819024.54	9.42E-05	3.96E-04	3.56E-05	7.84E-05	2.91E-04	2.56E-05	8.89E-06	5.09E-05	6.07E-06	8.08E-06	2.67E-05	1.84E-06
2945	469948.9	3819021.12	9.78E-05	4.11E-04	3.70E-05	8.15E-05	3.02E-04	2.66E-05	9.24E-06	5.29E-05	6.31E-06	8.40E-06	2.77E-05	1.91E-06
2946	469957.53	3819017.71	1.01E-04	4.26E-04	3.84E-05	8.45E-05	3.13E-04	2.75E-05	9.58E-06	5.48E-05	6.54E-06	8.71E-06	2.87E-05	1.98E-06
2947	469966.16	3819014.29	1.05E-04	4.40E-04	3.96E-05	8.73E-05	3.23E-04	2.85E-05	9.90E-06	5.67E-05	6.76E-06	9.00E-06	2.97E-05	2.05E-06
2948	469974.79	3819010.87	1.08E-04	4.54E-04	4.09E-05	9.00E-05	3.34E-04	2.93E-05	1.02E-05	5.84E-05	6.97E-06	9.28E-06	3.06E-05	2.11E-06
2949	469983.42	3819007.45	1.11E-04	4.68E-04	4.21E-05	9.27E-05	3.44E-04	3.02E-05	1.05E-05	6.02E-05	7.18E-06	9.56E-06	3.15E-05	2.17E-06
2950	469992.06	3819004.03	1.15E-04	4.81E-04	4.33E-05	9.55E-05	3.54E-04	3.11E-05	1.08E-05	6.20E-05	7.39E-06	9.84E-06	3.24E-05	2.24E-06
2951	470000.69	3819000.61	1.18E-04	4.96E-04	4.46E-05	9.83E-05	3.64E-04	3.20E-05	1.11E-05	6.38E-05	7.61E-06	1.01E-05	3.34E-05	2.30E-06
2952	470009.32	3818997.19	1.21E-04	5.09E-04	4.59E-05	1.01E-04	3.74E-04	3.29E-05	1.14E-05	6.55E-05	7.82E-06	1.04E-05	3.43E-05	2.37E-06
2953	470061.11	3818976.68	1.36E-04	5.71E-04	5.15E-05	1.13E-04	4.20E-04	3.69E-05	1.28E-05	7.35E-05	8.77E-06	1.17E-05	3.85E-05	2.65E-06
2954	470069.74	3818973.26	1.38E-04	5.78E-04	5.21E-05	1.15E-04	4.25E-04	3.74E-05	1.30E-05	7.44E-05	8.88E-06	1.18E-05	3.90E-05	2.69E-06
2955	470078.37	3818969.84	1.39E-04	5.84E-04	5.25E-05	1.16E-04	4.29E-04	3.77E-05	1.31E-05	7.51E-05	8.96E-06	1.19E-05	3.93E-05	2.71E-06
2956	470087.01	3818966.42	1.40E-04	5.88E-04	5.30E-05	1.17E-04	4.32E-04	3.80E-05	1.32E-05	7.57E-05	9.03E-06	1.20E-05	3.96E-05	2.73E-06
2957	470095.64	3818963.01	1.41E-04	5.92E-04	5.33E-05	1.17E-04	4.35E-04	3.83E-05	1.33E-05	7.62E-05	9.09E-06	1.21E-05	3.99E-05	2.75E-06
2958	470104.27	3818959.59	1.41E-04	5.94E-04	5.35E-05	1.18E-04	4.37E-04	3.84E-05	1.34E-05	7.65E-05	9.12E-06	1.21E-05	4.00E-05	2.76E-06
2959	469820.44	3819203.92	4.82E-05	2.03E-04	1.82E-05	4.02E-05	1.49E-04	1.31E-05	4.56E-06	2.61E-05	3.11E-06	4.14E-06	1.37E-05	9.41E-07
2960	469843.31	3819151.49	5.67E-05	2.38E-04	2.14E-05	4.72E-05	1.75E-04	1.54E-05	5.35E-06	3.06E-05	3.66E-06	4.87E-06	1.60E-05	1.11E-06
2961	469847.12	3819142.75	5.83E-05	2.45E-04	2.20E-05	4.86E-05	1.80E-04	1.58E-05	5.51E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
2962	469850.93	3819134.01	5.99E-05	2.52E-04	2.27E-05	4.99E-05	1.85E-04	1.63E-05	5.66E-06	3.24E-05	3.87E-06	5.14E-06	1.70E-05	1.17E-06
2963	469854.74	3819125.28	6.15E-05	2.58E-04	2.33E-05	5.13E-05	1.90E-04	1.67E-05	5.81E-06	3.33E-05	3.97E-06	5.28E-06	1.74E-05	1.20E-06

2964	469858.55	3819116.54	6.31E-05	2.65E-04	2.39E-05	5.26E-05	1.95E-04	1.71E-05	5.96E-06	3.41E-05	4.07E-06	5.42E-06	1.79E-05	1.23E-06
2965	469869.98	3819090.32	6.77E-05	2.84E-04	2.56E-05	5.64E-05	2.09E-04	1.84E-05	6.39E-06	3.66E-05	4.36E-06	5.81E-06	1.92E-05	1.32E-06
2966	469873.79	3819081.59	6.90E-05	2.90E-04	2.61E-05	5.75E-05	2.13E-04	1.87E-05	6.52E-06	3.73E-05	4.45E-06	5.92E-06	1.95E-05	1.35E-06
2967	469877.6	3819072.85	7.03E-05	2.95E-04	2.66E-05	5.85E-05	2.17E-04	1.91E-05	6.64E-06	3.80E-05	4.53E-06	6.03E-06	1.99E-05	1.37E-06
2968	469881.42	3819064.11	7.14E-05	3.00E-04	2.70E-05	5.95E-05	2.20E-04	1.94E-05	6.74E-06	3.86E-05	4.61E-06	6.13E-06	2.02E-05	1.39E-06
2969	469885.23	3819055.37	7.24E-05	3.04E-04	2.74E-05	6.03E-05	2.24E-04	1.97E-05	6.84E-06	3.92E-05	4.67E-06	6.22E-06	2.05E-05	1.41E-06
2970	469889.04	3819046.63	7.33E-05	3.08E-04	2.77E-05	6.11E-05	2.26E-04	1.99E-05	6.92E-06	3.96E-05	4.73E-06	6.29E-06	2.08E-05	1.43E-06
2971	469892.85	3819037.89	7.41E-05	3.11E-04	2.80E-05	6.17E-05	2.29E-04	2.01E-05	7.00E-06	4.00E-05	4.78E-06	6.36E-06	2.10E-05	1.45E-06
2972	469896.66	3819029.16	7.47E-05	3.14E-04	2.82E-05	6.22E-05	2.30E-04	2.03E-05	7.05E-06	4.04E-05	4.82E-06	6.41E-06	2.11E-05	1.46E-06
2973	469909.33	3819016.91	7.83E-05	3.29E-04	2.96E-05	6.52E-05	2.42E-04	2.13E-05	7.40E-06	4.23E-05	5.05E-06	6.72E-06	2.22E-05	1.53E-06
2974	469918.2	3819013.4	8.15E-05	3.42E-04	3.08E-05	6.79E-05	2.51E-04	2.21E-05	7.70E-06	4.41E-05	5.26E-06	7.00E-06	2.31E-05	1.59E-06
2975	469927.06	3819009.89	8.46E-05	3.55E-04	3.20E-05	7.05E-05	2.61E-04	2.30E-05	7.99E-06	4.58E-05	5.46E-06	7.27E-06	2.40E-05	1.65E-06
2976	469935.92	3819006.38	8.78E-05	3.69E-04	3.32E-05	7.31E-05	2.71E-04	2.38E-05	8.29E-06	4.75E-05	5.66E-06	7.54E-06	2.48E-05	1.71E-06
2977	469944.79	3819002.87	9.09E-05	3.82E-04	3.44E-05	7.57E-05	2.80E-04	2.47E-05	8.58E-06	4.91E-05	5.86E-06	7.80E-06	2.57E-05	1.77E-06
2978	469953.65	3818999.36	9.40E-05	3.95E-04	3.55E-05	7.83E-05	2.90E-04	2.55E-05	8.87E-06	5.08E-05	6.06E-06	8.07E-06	2.66E-05	1.83E-06
2979	469962.51	3818995.85	9.70E-05	4.07E-04	3.67E-05	8.08E-05	2.99E-04	2.63E-05	9.16E-06	5.24E-05	6.25E-06	8.32E-06	2.74E-05	1.89E-06
2980	470006.83	3818978.29	1.11E-04	4.67E-04	4.21E-05	9.26E-05	3.43E-04	3.02E-05	1.05E-05	6.01E-05	7.17E-06	9.55E-06	3.15E-05	2.17E-06
2981	470015.69	3818974.78	1.14E-04	4.78E-04	4.30E-05	9.48E-05	3.51E-04	3.09E-05	1.07E-05	6.15E-05	7.34E-06	9.77E-06	3.22E-05	2.22E-06
2982	470024.55	3818971.27	1.16E-04	4.88E-04	4.39E-05	9.68E-05	3.59E-04	3.15E-05	1.10E-05	6.28E-05	7.50E-06	9.98E-06	3.29E-05	2.27E-06
2983	470051.14	3818960.74	1.22E-04	5.12E-04	4.61E-05	1.02E-04	3.77E-04	3.31E-05	1.15E-05	6.60E-05	7.87E-06	1.05E-05	3.45E-05	2.38E-06
2984	470060.01	3818957.23	1.24E-04	5.19E-04	4.67E-05	1.03E-04	3.81E-04	3.35E-05	1.17E-05	6.68E-05	7.97E-06	1.06E-05	3.50E-05	2.41E-06
2985	470068.87	3818953.72	1.25E-04	5.24E-04	4.72E-05	1.04E-04	3.85E-04	3.39E-05	1.18E-05	6.75E-05	8.05E-06	1.07E-05	3.53E-05	2.44E-06
2986	470077.73	3818950.21	1.26E-04	5.29E-04	4.76E-05	1.05E-04	3.88E-04	3.42E-05	1.19E-05	6.80E-05	8.12E-06	1.08E-05	3.56E-05	2.46E-06
2987	470086.6	3818946.7	1.27E-04	5.32E-04	4.79E-05	1.06E-04	3.91E-04	3.44E-05	1.20E-05	6.85E-05	8.18E-06	1.09E-05	3.59E-05	2.47E-06
2988	470095.46	3818943.19	1.27E-04	5.35E-04	4.82E-05	1.06E-04	3.93E-04	3.46E-05	1.20E-05	6.89E-05	8.22E-06	1.09E-05	3.61E-05	2.49E-06
2989	470104.32	3818939.68	1.28E-04	5.37E-04	4.83E-05	1.06E-04	3.94E-04	3.47E-05	1.21E-05	6.91E-05	8.24E-06	1.10E-05	3.62E-05	2.49E-06
2990	469780.54	3819202.92	3.80E-05	1.60E-04	1.44E-05	3.16E-05	1.17E-04	1.03E-05	3.59E-06	2.05E-05	2.45E-06	3.26E-06	1.08E-05	7.41E-07
2991	469784.37	3819194.12	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.67E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
2992	469788.21	3819185.32	3.97E-05	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.75E-06	2.15E-05	2.56E-06	3.41E-06	1.12E-05	7.75E-07
2993	469792.05	3819176.52	4.07E-05	1.71E-04	1.54E-05	3.39E-05	1.26E-04	1.11E-05	3.85E-06	2.20E-05	2.63E-06	3.50E-06	1.15E-05	7.95E-07
2994	469795.89	3819167.71	4.18E-05	1.75E-04	1.58E-05	3.48E-05	1.29E-04	1.13E-05	3.95E-06	2.26E-05	2.69E-06	3.59E-06	1.18E-05	8.15E-07
2995	469799.73	3819158.91	4.29E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.77E-06	3.68E-06	1.21E-05	8.37E-07
2996	469803.57	3819150.11	4.41E-05	1.85E-04	1.67E-05	3.67E-05	1.36E-04	1.20E-05	4.16E-06	2.38E-05	2.84E-06	3.78E-06	1.25E-05	8.60E-07
2997	469807.41	3819141.3	4.53E-05	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.92E-06	3.89E-06	1.28E-05	8.84E-07
2998	469811.25	3819132.5	4.65E-05	1.95E-04	1.76E-05	3.87E-05	1.43E-04	1.26E-05	4.39E-06	2.51E-05	3.00E-06	3.99E-06	1.32E-05	9.07E-07
2999	469815.09	3819123.7	4.77E-05	2.00E-04	1.80E-05	3.97E-05	1.47E-04	1.29E-05	4.50E-06	2.58E-05	3.07E-06	4.09E-06	1.35E-05	9.30E-07
3000	469818.93	3819114.9	4.89E-05	2.05E-04	1.85E-05	4.07E-05	1.51E-04	1.33E-05	4.62E-06	2.64E-05	3.15E-06	4.20E-06	1.38E-05	9.54E-07
3001	469822.76	3819106.09	5.01E-05	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.73E-06	2.71E-05	3.23E-06	4.30E-06	1.42E-05	9.78E-07
3002	469845.8	3819053.28	5.73E-05	2.41E-04	2.17E-05	4.77E-05	1.77E-04	1.56E-05	5.41E-06	3.10E-05	3.70E-06	4.92E-06	1.62E-05	1.12E-06
3003	469849.64	3819044.47	5.83E-05	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
3004	469853.48	3819035.67	5.91E-05	2.48E-04	2.24E-05	4.92E-05	1.82E-04	1.60E-05	5.58E-06	3.20E-05	3.81E-06	5.08E-06	1.67E-05	1.15E-06
3005	469857.32	3819026.87	5.99E-05	2.52E-04	2.27E-05	4.99E-05	1.85E-04	1.63E-05	5.66E-06	3.24E-05	3.86E-06	5.14E-06	1.70E-05	1.17E-06
3006	469861.15	3819018.06	6.06E-05	2.54E-04	2.29E-05	5.04E-05	1.87E-04	1.64E-05	5.72E-06	3.27E-05	3.91E-06	5.20E-06	1.71E-05	1.18E-06

3007	469864.99	3819009.26	6.11E-05	2.57E-04	2.31E-05	5.09E-05	1.89E-04	1.66E-05	5.77E-06	3.30E-05	3.94E-06	5.25E-06	1.73E-05	1.19E-06
3008	469868.83	3819000.46	6.16E-05	2.59E-04	2.33E-05	5.13E-05	1.90E-04	1.67E-05	5.82E-06	3.33E-05	3.97E-06	5.29E-06	1.74E-05	1.20E-06
3009	469908.39	3818977.51	7.15E-05	3.00E-04	2.71E-05	5.96E-05	2.21E-04	1.94E-05	6.75E-06	3.87E-05	4.61E-06	6.14E-06	2.02E-05	1.40E-06
3010	469917.32	3818973.97	7.38E-05	3.10E-04	2.79E-05	6.15E-05	2.28E-04	2.00E-05	6.97E-06	3.99E-05	4.76E-06	6.34E-06	2.09E-05	1.44E-06
3011	469926.24	3818970.44	7.62E-05	3.20E-04	2.88E-05	6.34E-05	2.35E-04	2.07E-05	7.19E-06	4.12E-05	4.91E-06	6.54E-06	2.16E-05	1.49E-06
3012	469935.17	3818966.9	7.85E-05	3.30E-04	2.97E-05	6.54E-05	2.42E-04	2.13E-05	7.41E-06	4.24E-05	5.06E-06	6.74E-06	2.22E-05	1.53E-06
3013	469944.1	3818963.36	8.08E-05	3.39E-04	3.05E-05	6.73E-05	2.49E-04	2.19E-05	7.63E-06	4.37E-05	5.21E-06	6.93E-06	2.29E-05	1.58E-06
3014	469953.03	3818959.83	8.30E-05	3.49E-04	3.14E-05	6.91E-05	2.56E-04	2.25E-05	7.84E-06	4.49E-05	5.35E-06	7.13E-06	2.35E-05	1.62E-06
3015	469961.96	3818956.29	8.52E-05	3.58E-04	3.22E-05	7.10E-05	2.63E-04	2.31E-05	8.05E-06	4.61E-05	5.50E-06	7.31E-06	2.41E-05	1.66E-06
3016	469970.89	3818952.76	8.73E-05	3.67E-04	3.30E-05	7.27E-05	2.69E-04	2.37E-05	8.25E-06	4.72E-05	5.63E-06	7.50E-06	2.47E-05	1.70E-06
3017	469979.82	3818949.22	8.94E-05	3.75E-04	3.38E-05	7.45E-05	2.76E-04	2.43E-05	8.44E-06	4.83E-05	5.77E-06	7.68E-06	2.53E-05	1.74E-06
3018	469988.75	3818945.68	9.14E-05	3.84E-04	3.46E-05	7.62E-05	2.82E-04	2.48E-05	8.63E-06	4.94E-05	5.90E-06	7.85E-06	2.59E-05	1.78E-06
3019	469997.68	3818942.15	9.34E-05	3.92E-04	3.53E-05	7.78E-05	2.88E-04	2.54E-05	8.82E-06	5.05E-05	6.03E-06	8.02E-06	2.64E-05	1.82E-06
3020	470006.6	3818938.61	9.53E-05	4.00E-04	3.60E-05	7.93E-05	2.94E-04	2.59E-05	9.00E-06	5.15E-05	6.14E-06	8.18E-06	2.70E-05	1.86E-06
3021	470015.53	3818935.07	9.70E-05	4.07E-04	3.67E-05	8.08E-05	2.99E-04	2.63E-05	9.16E-06	5.24E-05	6.26E-06	8.33E-06	2.75E-05	1.89E-06
3022	470024.46	3818931.54	9.85E-05	4.14E-04	3.73E-05	8.21E-05	3.04E-04	2.67E-05	9.30E-06	5.33E-05	6.36E-06	8.46E-06	2.79E-05	1.92E-06
3023	470051.25	3818920.93	1.02E-04	4.30E-04	3.87E-05	8.52E-05	3.16E-04	2.78E-05	9.66E-06	5.53E-05	6.60E-06	8.78E-06	2.90E-05	2.00E-06
3024	470060.18	3818917.39	1.03E-04	4.34E-04	3.90E-05	8.60E-05	3.19E-04	2.80E-05	9.75E-06	5.58E-05	6.66E-06	8.86E-06	2.92E-05	2.01E-06
3025	470069.11	3818913.86	1.04E-04	4.37E-04	3.93E-05	8.66E-05	3.21E-04	2.82E-05	9.82E-06	5.62E-05	6.71E-06	8.93E-06	2.94E-05	2.03E-06
3026	470078.03	3818910.32	1.05E-04	4.39E-04	3.96E-05	8.71E-05	3.23E-04	2.84E-05	9.88E-06	5.65E-05	6.75E-06	8.98E-06	2.96E-05	2.04E-06
3027	470086.96	3818906.78	1.05E-04	4.41E-04	3.97E-05	8.75E-05	3.24E-04	2.85E-05	9.92E-06	5.68E-05	6.77E-06	9.02E-06	2.97E-05	2.05E-06
3028	470095.89	3818903.25	1.05E-04	4.42E-04	3.98E-05	8.77E-05	3.25E-04	2.86E-05	9.94E-06	5.69E-05	6.79E-06	9.03E-06	2.98E-05	2.05E-06
3029	470104.82	3818899.71	1.05E-04	4.42E-04	3.98E-05	8.76E-05	3.25E-04	2.86E-05	9.93E-06	5.69E-05	6.78E-06	9.03E-06	2.98E-05	2.05E-06
3030	469740.24	3819202.83	3.06E-05	1.28E-04	1.16E-05	2.55E-05	9.43E-05	8.30E-06	2.89E-06	1.65E-05	1.97E-06	2.62E-06	8.65E-06	5.96E-07
3031	469743.97	3819194.26	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.60E-05	8.45E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.81E-06	6.07E-07
3032	469747.71	3819185.69	3.17E-05	1.33E-04	1.20E-05	2.64E-05	9.79E-05	8.62E-06	3.00E-06	1.72E-05	2.05E-06	2.72E-06	8.98E-06	6.19E-07
3033	469751.45	3819177.12	3.24E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.18E-06	6.33E-07
3034	469755.19	3819168.55	3.32E-05	1.39E-04	1.25E-05	2.76E-05	1.02E-04	9.00E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.38E-06	6.47E-07
3035	469758.92	3819159.98	3.39E-05	1.43E-04	1.28E-05	2.83E-05	1.05E-04	9.21E-06	3.20E-06	1.83E-05	2.19E-06	2.91E-06	9.61E-06	6.62E-07
3036	469762.66	3819151.41	3.48E-05	1.46E-04	1.31E-05	2.90E-05	1.07E-04	9.44E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.84E-06	6.78E-07
3037	469766.4	3819142.84	3.56E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.67E-06	3.37E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.95E-07
3038	469770.13	3819134.27	3.65E-05	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.92E-06	3.45E-06	1.97E-05	2.36E-06	3.14E-06	1.03E-05	7.13E-07
3039	469773.87	3819125.7	3.74E-05	1.57E-04	1.41E-05	3.12E-05	1.15E-04	1.02E-05	3.53E-06	2.02E-05	2.41E-06	3.21E-06	1.06E-05	7.30E-07
3040	469777.61	3819117.14	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.47E-06	3.29E-06	1.08E-05	7.47E-07
3041	469781.34	3819108.57	3.92E-05	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.36E-06	1.11E-05	7.64E-07
3042	469785.08	3819100	4.01E-05	1.68E-04	1.52E-05	3.34E-05	1.24E-04	1.09E-05	3.79E-06	2.17E-05	2.59E-06	3.44E-06	1.14E-05	7.83E-07
3043	469788.82	3819091.43	4.11E-05	1.73E-04	1.55E-05	3.42E-05	1.27E-04	1.12E-05	3.88E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.02E-07
3044	469792.56	3819082.86	4.21E-05	1.77E-04	1.59E-05	3.51E-05	1.30E-04	1.14E-05	3.97E-06	2.28E-05	2.71E-06	3.61E-06	1.19E-05	8.21E-07
3045	469796.29	3819074.29	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.40E-07
3046	469800.03	3819065.72	4.40E-05	1.85E-04	1.66E-05	3.67E-05	1.36E-04	1.19E-05	4.16E-06	2.38E-05	2.84E-06	3.78E-06	1.25E-05	8.59E-07
3047	469803.77	3819057.15	4.49E-05	1.89E-04	1.70E-05	3.74E-05	1.39E-04	1.22E-05	4.24E-06	2.43E-05	2.90E-06	3.86E-06	1.27E-05	8.77E-07
3048	469807.5	3819048.58	4.58E-05	1.92E-04	1.73E-05	3.82E-05	1.41E-04	1.24E-05	4.33E-06	2.48E-05	2.96E-06	3.93E-06	1.30E-05	8.94E-07
3049	469811.24	3819040.01	4.67E-05	1.96E-04	1.77E-05	3.89E-05	1.44E-04	1.27E-05	4.41E-06	2.52E-05	3.01E-06	4.01E-06	1.32E-05	9.11E-07

3050	469814.98	3819031.44	4.75E-05	2.00E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.49E-06	2.57E-05	3.06E-06	4.08E-06	1.34E-05	9.27E-07
3051	469818.72	3819022.88	4.83E-05	2.03E-04	1.83E-05	4.02E-05	1.49E-04	1.31E-05	4.56E-06	2.61E-05	3.12E-06	4.15E-06	1.37E-05	9.42E-07
3052	469822.45	3819014.31	4.90E-05	2.06E-04	1.85E-05	4.08E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.57E-07
3053	469826.19	3819005.74	4.96E-05	2.08E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.69E-06	2.68E-05	3.20E-06	4.26E-06	1.41E-05	9.69E-07
3054	469841.14	3818971.46	5.14E-05	2.16E-04	1.94E-05	4.28E-05	1.59E-04	1.40E-05	4.86E-06	2.78E-05	3.32E-06	4.41E-06	1.46E-05	1.00E-06
3055	469853.57	3818959.45	5.35E-05	2.25E-04	2.02E-05	4.46E-05	1.65E-04	1.45E-05	5.06E-06	2.89E-05	3.45E-06	4.60E-06	1.52E-05	1.04E-06
3056	469862.26	3818956.01	5.54E-05	2.32E-04	2.09E-05	4.61E-05	1.71E-04	1.50E-05	5.23E-06	2.99E-05	3.57E-06	4.75E-06	1.57E-05	1.08E-06
3057	469870.95	3818952.57	5.72E-05	2.40E-04	2.16E-05	4.76E-05	1.76E-04	1.55E-05	5.40E-06	3.09E-05	3.69E-06	4.91E-06	1.62E-05	1.12E-06
3058	469879.64	3818949.12	5.90E-05	2.48E-04	2.23E-05	4.91E-05	1.82E-04	1.60E-05	5.57E-06	3.19E-05	3.81E-06	5.07E-06	1.67E-05	1.15E-06
3059	469888.33	3818945.68	6.08E-05	2.55E-04	2.30E-05	5.07E-05	1.88E-04	1.65E-05	5.74E-06	3.29E-05	3.92E-06	5.22E-06	1.72E-05	1.19E-06
3060	469897.02	3818942.24	6.26E-05	2.63E-04	2.37E-05	5.22E-05	1.93E-04	1.70E-05	5.91E-06	3.38E-05	4.04E-06	5.38E-06	1.77E-05	1.22E-06
3061	469905.72	3818938.8	6.44E-05	2.70E-04	2.44E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
3062	469914.41	3818935.35	6.61E-05	2.78E-04	2.50E-05	5.51E-05	2.04E-04	1.80E-05	6.25E-06	3.58E-05	4.27E-06	5.68E-06	1.87E-05	1.29E-06
3063	469923.1	3818931.91	6.78E-05	2.85E-04	2.57E-05	5.65E-05	2.09E-04	1.84E-05	6.41E-06	3.67E-05	4.38E-06	5.82E-06	1.92E-05	1.32E-06
3064	469931.79	3818928.47	6.95E-05	2.92E-04	2.63E-05	5.79E-05	2.15E-04	1.89E-05	6.57E-06	3.76E-05	4.48E-06	5.97E-06	1.97E-05	1.36E-06
3065	469940.48	3818925.03	7.11E-05	2.99E-04	2.69E-05	5.93E-05	2.20E-04	1.93E-05	6.72E-06	3.85E-05	4.59E-06	6.11E-06	2.01E-05	1.39E-06
3066	469949.17	3818921.58	7.27E-05	3.05E-04	2.75E-05	6.06E-05	2.24E-04	1.97E-05	6.87E-06	3.93E-05	4.69E-06	6.24E-06	2.06E-05	1.42E-06
3067	469957.87	3818918.14	7.43E-05	3.12E-04	2.81E-05	6.18E-05	2.29E-04	2.02E-05	7.01E-06	4.01E-05	4.79E-06	6.37E-06	2.10E-05	1.45E-06
3068	469966.56	3818914.7	7.58E-05	3.18E-04	2.87E-05	6.31E-05	2.34E-04	2.06E-05	7.16E-06	4.10E-05	4.89E-06	6.51E-06	2.15E-05	1.48E-06
3069	469975.25	3818911.26	7.73E-05	3.25E-04	2.92E-05	6.44E-05	2.39E-04	2.10E-05	7.30E-06	4.18E-05	4.99E-06	6.64E-06	2.19E-05	1.51E-06
3070	469983.94	3818907.81	7.88E-05	3.31E-04	2.98E-05	6.56E-05	2.43E-04	2.14E-05	7.44E-06	4.26E-05	5.08E-06	6.76E-06	2.23E-05	1.54E-06
3071	469992.63	3818904.37	8.01E-05	3.37E-04	3.03E-05	6.68E-05	2.47E-04	2.18E-05	7.57E-06	4.33E-05	5.17E-06	6.88E-06	2.27E-05	1.56E-06
3072	470001.32	3818900.93	8.14E-05	3.42E-04	3.08E-05	6.78E-05	2.51E-04	2.21E-05	7.68E-06	4.40E-05	5.25E-06	6.98E-06	2.30E-05	1.59E-06
3073	470010.02	3818897.49	8.25E-05	3.46E-04	3.12E-05	6.87E-05	2.55E-04	2.24E-05	7.79E-06	4.46E-05	5.32E-06	7.08E-06	2.34E-05	1.61E-06
3074	470018.71	3818894.04	8.36E-05	3.51E-04	3.16E-05	6.96E-05	2.58E-04	2.27E-05	7.89E-06	4.52E-05	5.39E-06	7.17E-06	2.37E-05	1.63E-06
3075	470027.4	3818890.6	8.45E-05	3.55E-04	3.20E-05	7.04E-05	2.61E-04	2.29E-05	7.98E-06	4.57E-05	5.45E-06	7.26E-06	2.39E-05	1.65E-06
3076	470044.78	3818883.72	8.62E-05	3.62E-04	3.26E-05	7.18E-05	2.66E-04	2.34E-05	8.14E-06	4.66E-05	5.56E-06	7.40E-06	2.44E-05	1.68E-06
3077	470053.47	3818880.27	8.69E-05	3.65E-04	3.28E-05	7.23E-05	2.68E-04	2.36E-05	8.20E-06	4.70E-05	5.60E-06	7.46E-06	2.46E-05	1.69E-06
3078	470062.16	3818876.83	8.74E-05	3.67E-04	3.31E-05	7.28E-05	2.70E-04	2.37E-05	8.25E-06	4.73E-05	5.64E-06	7.50E-06	2.47E-05	1.71E-06
3079	470070.86	3818873.39	8.78E-05	3.69E-04	3.32E-05	7.32E-05	2.71E-04	2.38E-05	8.29E-06	4.75E-05	5.67E-06	7.54E-06	2.49E-05	1.71E-06
3080	470079.55	3818869.95	8.81E-05	3.70E-04	3.33E-05	7.34E-05	2.72E-04	2.39E-05	8.32E-06	4.77E-05	5.69E-06	7.57E-06	2.50E-05	1.72E-06
3081	470088.24	3818866.51	8.83E-05	3.71E-04	3.34E-05	7.36E-05	2.72E-04	2.40E-05	8.34E-06	4.77E-05	5.70E-06	7.58E-06	2.50E-05	1.72E-06
3082	470096.93	3818863.06	8.83E-05	3.71E-04	3.34E-05	7.36E-05	2.73E-04	2.40E-05	8.34E-06	4.77E-05	5.70E-06	7.58E-06	2.50E-05	1.72E-06
3083	470105.62	3818859.62	8.82E-05	3.70E-04	3.33E-05	7.34E-05	2.72E-04	2.39E-05	8.33E-06	4.77E-05	5.69E-06	7.57E-06	2.50E-05	1.72E-06
3084	469704.1	3819193.19	2.55E-05	1.07E-04	9.66E-06	2.13E-05	7.88E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.23E-06	4.98E-07
3085	469707.86	3819184.56	2.60E-05	1.09E-04	9.82E-06	2.16E-05	8.02E-05	7.05E-06	2.45E-06	1.40E-05	1.68E-06	2.23E-06	7.35E-06	5.07E-07
3086	469711.63	3819175.92	2.65E-05	1.11E-04	1.00E-05	2.20E-05	8.17E-05	7.19E-06	2.50E-06	1.43E-05	1.71E-06	2.27E-06	7.49E-06	5.16E-07
3087	469715.4	3819167.28	2.70E-05	1.13E-04	1.02E-05	2.25E-05	8.33E-05	7.33E-06	2.55E-06	1.46E-05	1.74E-06	2.32E-06	7.64E-06	5.27E-07
3088	469719.16	3819158.65	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.51E-05	7.49E-06	2.60E-06	1.49E-05	1.78E-06	2.37E-06	7.81E-06	5.38E-07
3089	469722.93	3819150.01	2.82E-05	1.18E-04	1.07E-05	2.35E-05	8.70E-05	7.66E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
3090	469726.69	3819141.38	2.89E-05	1.21E-04	1.09E-05	2.40E-05	8.91E-05	7.83E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.17E-06	5.63E-07
3091	469730.46	3819132.74	2.96E-05	1.24E-04	1.12E-05	2.46E-05	9.12E-05	8.02E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.36E-06	5.77E-07
3092	469734.23	3819124.11	3.03E-05	1.27E-04	1.14E-05	2.52E-05	9.34E-05	8.22E-06	2.86E-06	1.64E-05	1.95E-06	2.60E-06	8.57E-06	5.91E-07

3093	469737.99	3819115.47	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.57E-05	8.42E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.78E-06	6.05E-07
3094	469741.76	3819106.84	3.18E-05	1.34E-04	1.20E-05	2.65E-05	9.81E-05	8.63E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	9.00E-06	6.20E-07
3095	469745.52	3819098.2	3.25E-05	1.37E-04	1.23E-05	2.71E-05	1.00E-04	8.83E-06	3.07E-06	1.76E-05	2.10E-06	2.79E-06	9.20E-06	6.34E-07
3096	469749.29	3819089.57	3.32E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.02E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.41E-06	6.49E-07
3097	469753.06	3819080.93	3.40E-05	1.43E-04	1.28E-05	2.83E-05	1.05E-04	9.22E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.62E-06	6.63E-07
3098	469756.82	3819072.3	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.43E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.78E-07
3099	469760.59	3819063.66	3.55E-05	1.49E-04	1.34E-05	2.96E-05	1.10E-04	9.65E-06	3.36E-06	1.92E-05	2.29E-06	3.05E-06	1.01E-05	6.93E-07
3100	469764.35	3819055.02	3.63E-05	1.53E-04	1.37E-05	3.03E-05	1.12E-04	9.86E-06	3.43E-06	1.96E-05	2.34E-06	3.12E-06	1.03E-05	7.09E-07
3101	469768.12	3819046.39	3.71E-05	1.56E-04	1.40E-05	3.09E-05	1.14E-04	1.01E-05	3.50E-06	2.01E-05	2.39E-06	3.19E-06	1.05E-05	7.24E-07
3102	469771.89	3819037.75	3.79E-05	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.44E-06	3.25E-06	1.07E-05	7.39E-07
3103	469775.65	3819029.12	3.86E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
3104	469779.42	3819020.48	3.93E-05	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.67E-07
3105	469783.18	3819011.85	4.00E-05	1.68E-04	1.51E-05	3.33E-05	1.23E-04	1.08E-05	3.77E-06	2.16E-05	2.58E-06	3.43E-06	1.13E-05	7.80E-07
3106	469786.95	3819003.21	4.06E-05	1.70E-04	1.54E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.92E-07
3107	469798.25	3818977.31	4.22E-05	1.77E-04	1.60E-05	3.52E-05	1.30E-04	1.15E-05	3.99E-06	2.28E-05	2.72E-06	3.62E-06	1.19E-05	8.24E-07
3108	469802.01	3818968.67	4.27E-05	1.79E-04	1.61E-05	3.55E-05	1.32E-04	1.16E-05	4.03E-06	2.31E-05	2.75E-06	3.66E-06	1.21E-05	8.32E-07
3109	469805.78	3818960.04	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.40E-07
3110	469809.55	3818951.4	4.34E-05	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.47E-07
3111	469813.31	3818942.76	4.36E-05	1.83E-04	1.65E-05	3.63E-05	1.35E-04	1.18E-05	4.12E-06	2.36E-05	2.81E-06	3.75E-06	1.24E-05	8.51E-07
3112	469825.84	3818930.66	4.53E-05	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.92E-06	3.89E-06	1.28E-05	8.84E-07
3113	469843.35	3818923.72	4.83E-05	2.03E-04	1.83E-05	4.02E-05	1.49E-04	1.31E-05	4.56E-06	2.61E-05	3.11E-06	4.15E-06	1.37E-05	9.42E-07
3114	469852.11	3818920.25	4.97E-05	2.09E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.70E-06	2.69E-05	3.21E-06	4.27E-06	1.41E-05	9.71E-07
3115	469860.87	3818916.78	5.12E-05	2.15E-04	1.94E-05	4.26E-05	1.58E-04	1.39E-05	4.83E-06	2.77E-05	3.30E-06	4.39E-06	1.45E-05	9.99E-07
3116	469869.63	3818913.32	5.26E-05	2.21E-04	1.99E-05	4.38E-05	1.62E-04	1.43E-05	4.97E-06	2.85E-05	3.40E-06	4.52E-06	1.49E-05	1.03E-06
3117	469878.39	3818909.85	5.41E-05	2.27E-04	2.04E-05	4.50E-05	1.67E-04	1.47E-05	5.10E-06	2.92E-05	3.49E-06	4.64E-06	1.53E-05	1.05E-06
3118	469887.15	3818906.38	5.54E-05	2.33E-04	2.10E-05	4.62E-05	1.71E-04	1.51E-05	5.24E-06	3.00E-05	3.58E-06	4.76E-06	1.57E-05	1.08E-06
3119	469895.91	3818902.91	5.68E-05	2.39E-04	2.15E-05	4.73E-05	1.75E-04	1.54E-05	5.36E-06	3.07E-05	3.66E-06	4.88E-06	1.61E-05	1.11E-06
3120	469904.67	3818899.44	5.81E-05	2.44E-04	2.20E-05	4.84E-05	1.79E-04	1.58E-05	5.49E-06	3.14E-05	3.75E-06	4.99E-06	1.65E-05	1.13E-06
3121	469913.42	3818895.97	5.94E-05	2.50E-04	2.25E-05	4.95E-05	1.83E-04	1.61E-05	5.61E-06	3.21E-05	3.83E-06	5.10E-06	1.68E-05	1.16E-06
3122	469922.18	3818892.5	6.07E-05	2.55E-04	2.30E-05	5.06E-05	1.87E-04	1.65E-05	5.73E-06	3.28E-05	3.92E-06	5.21E-06	1.72E-05	1.18E-06
3123	469930.94	3818889.03	6.20E-05	2.60E-04	2.34E-05	5.16E-05	1.91E-04	1.68E-05	5.85E-06	3.35E-05	4.00E-06	5.32E-06	1.75E-05	1.21E-06
3124	469939.7	3818885.56	6.31E-05	2.65E-04	2.39E-05	5.26E-05	1.95E-04	1.71E-05	5.96E-06	3.41E-05	4.07E-06	5.42E-06	1.79E-05	1.23E-06
3125	469948.46	3818882.09	6.43E-05	2.70E-04	2.43E-05	5.36E-05	1.98E-04	1.75E-05	6.07E-06	3.48E-05	4.15E-06	5.52E-06	1.82E-05	1.25E-06
3126	469957.22	3818878.62	6.54E-05	2.75E-04	2.47E-05	5.45E-05	2.02E-04	1.78E-05	6.18E-06	3.54E-05	4.22E-06	5.61E-06	1.85E-05	1.28E-06
3127	469965.98	3818875.16	6.65E-05	2.79E-04	2.52E-05	5.54E-05	2.05E-04	1.81E-05	6.28E-06	3.60E-05	4.29E-06	5.71E-06	1.88E-05	1.30E-06
3128	469974.74	3818871.69	6.76E-05	2.84E-04	2.56E-05	5.63E-05	2.09E-04	1.84E-05	6.39E-06	3.66E-05	4.36E-06	5.81E-06	1.91E-05	1.32E-06
3129	469983.5	3818868.22	6.87E-05	2.88E-04	2.60E-05	5.72E-05	2.12E-04	1.86E-05	6.49E-06	3.71E-05	4.43E-06	5.90E-06	1.94E-05	1.34E-06
3130	469992.25	3818864.75	6.97E-05	2.93E-04	2.64E-05	5.80E-05	2.15E-04	1.89E-05	6.58E-06	3.77E-05	4.49E-06	5.98E-06	1.97E-05	1.36E-06
3131	470001.01	3818861.28	7.05E-05	2.96E-04	2.67E-05	5.88E-05	2.18E-04	1.92E-05	6.66E-06	3.81E-05	4.55E-06	6.06E-06	2.00E-05	1.38E-06
3132	470009.77	3818857.81	7.14E-05	3.00E-04	2.70E-05	5.94E-05	2.20E-04	1.94E-05	6.74E-06	3.86E-05	4.60E-06	6.13E-06	2.02E-05	1.39E-06
3133	470018.53	3818854.34	7.21E-05	3.03E-04	2.73E-05	6.00E-05	2.22E-04	1.96E-05	6.81E-06	3.90E-05	4.65E-06	6.19E-06	2.04E-05	1.41E-06
3134	470027.29	3818850.87	7.28E-05	3.06E-04	2.75E-05	6.06E-05	2.25E-04	1.98E-05	6.87E-06	3.93E-05	4.69E-06	6.25E-06	2.06E-05	1.42E-06
3135	470044.81	3818843.93	7.39E-05	3.10E-04	2.80E-05	6.16E-05	2.28E-04	2.01E-05	6.98E-06	4.00E-05	4.77E-06	6.34E-06	2.09E-05	1.44E-06

3136	470053.57	3818840.47	7.44E-05	3.12E-04	2.81E-05	6.19E-05	2.29E-04	2.02E-05	7.02E-06	4.02E-05	4.80E-06	6.38E-06	2.10E-05	1.45E-06
3137	470062.33	3818837	7.47E-05	3.14E-04	2.83E-05	6.22E-05	2.31E-04	2.03E-05	7.06E-06	4.04E-05	4.82E-06	6.41E-06	2.11E-05	1.46E-06
3138	470071.08	3818833.53	7.50E-05	3.15E-04	2.84E-05	6.25E-05	2.31E-04	2.04E-05	7.08E-06	4.05E-05	4.84E-06	6.44E-06	2.12E-05	1.46E-06
3139	470079.84	3818830.06	7.51E-05	3.16E-04	2.84E-05	6.26E-05	2.32E-04	2.04E-05	7.09E-06	4.06E-05	4.85E-06	6.45E-06	2.13E-05	1.47E-06
3140	470088.6	3818826.59	7.52E-05	3.16E-04	2.84E-05	6.26E-05	2.32E-04	2.04E-05	7.10E-06	4.06E-05	4.85E-06	6.45E-06	2.13E-05	1.47E-06
3141	470097.36	3818823.12	7.51E-05	3.15E-04	2.84E-05	6.26E-05	2.32E-04	2.04E-05	7.09E-06	4.06E-05	4.85E-06	6.45E-06	2.13E-05	1.47E-06
3142	470106.12	3818819.65	7.49E-05	3.15E-04	2.83E-05	6.24E-05	2.31E-04	2.03E-05	7.08E-06	4.05E-05	4.83E-06	6.43E-06	2.12E-05	1.46E-06
3143	469656.62	3819209.55	2.08E-05	8.72E-05	7.85E-06	1.73E-05	6.41E-05	5.64E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.88E-06	4.05E-07
3144	469660.41	3819200.86	2.10E-05	8.83E-05	7.95E-06	1.75E-05	6.49E-05	5.71E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.95E-06	4.10E-07
3145	469664.2	3819192.17	2.13E-05	8.95E-05	8.06E-06	1.78E-05	6.58E-05	5.79E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.03E-06	4.16E-07
3146	469667.99	3819183.48	2.16E-05	9.08E-05	8.18E-06	1.80E-05	6.67E-05	5.87E-06	2.04E-06	1.17E-05	1.40E-06	1.86E-06	6.12E-06	4.22E-07
3147	469671.78	3819174.79	2.20E-05	9.23E-05	8.32E-06	1.83E-05	6.79E-05	5.97E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.22E-06	4.29E-07
3148	469675.57	3819166.09	2.24E-05	9.40E-05	8.47E-06	1.86E-05	6.91E-05	6.08E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.34E-06	4.37E-07
3149	469705.9	3819096.57	2.66E-05	1.12E-04	1.01E-05	2.22E-05	8.21E-05	7.22E-06	2.51E-06	1.44E-05	1.72E-06	2.28E-06	7.53E-06	5.19E-07
3150	469709.69	3819087.88	2.72E-05	1.14E-04	1.03E-05	2.26E-05	8.39E-05	7.38E-06	2.57E-06	1.47E-05	1.75E-06	2.33E-06	7.69E-06	5.30E-07
3151	469713.48	3819079.19	2.78E-05	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
3152	469717.27	3819070.49	2.84E-05	1.19E-04	1.07E-05	2.37E-05	8.77E-05	7.71E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.04E-06	5.54E-07
3153	469721.06	3819061.8	2.91E-05	1.22E-04	1.10E-05	2.42E-05	8.97E-05	7.89E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.23E-06	5.67E-07
3154	469724.85	3819053.11	2.97E-05	1.25E-04	1.12E-05	2.48E-05	9.18E-05	8.07E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.42E-06	5.80E-07
3155	469728.64	3819044.42	3.04E-05	1.28E-04	1.15E-05	2.53E-05	9.38E-05	8.25E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.60E-06	5.93E-07
3156	469732.43	3819035.73	3.10E-05	1.30E-04	1.17E-05	2.59E-05	9.58E-05	8.43E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.79E-06	6.06E-07
3157	469736.22	3819027.04	3.17E-05	1.33E-04	1.20E-05	2.64E-05	9.78E-05	8.60E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.97E-06	6.18E-07
3158	469740.01	3819018.35	3.23E-05	1.36E-04	1.22E-05	2.69E-05	9.97E-05	8.77E-06	3.05E-06	1.75E-05	2.08E-06	2.77E-06	9.14E-06	6.30E-07
3159	469743.8	3819009.66	3.29E-05	1.38E-04	1.24E-05	2.74E-05	1.01E-04	8.92E-06	3.10E-06	1.78E-05	2.12E-06	2.82E-06	9.31E-06	6.41E-07
3160	469747.59	3819000.97	3.34E-05	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.07E-06	3.15E-06	1.81E-05	2.15E-06	2.87E-06	9.46E-06	6.52E-07
3161	469758.96	3818974.89	3.50E-05	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.49E-06	3.30E-06	1.89E-05	2.25E-06	3.00E-06	9.89E-06	6.82E-07
3162	469762.75	3818966.2	3.54E-05	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.62E-06	3.34E-06	1.91E-05	2.28E-06	3.04E-06	1.00E-05	6.91E-07
3163	469766.54	3818957.51	3.58E-05	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.73E-06	3.38E-06	1.94E-05	2.31E-06	3.08E-06	1.01E-05	6.99E-07
3164	469770.33	3818948.82	3.62E-05	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.84E-06	3.42E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.07E-07
3165	469774.12	3818940.13	3.66E-05	1.54E-04	1.38E-05	3.05E-05	1.13E-04	9.93E-06	3.46E-06	1.98E-05	2.36E-06	3.14E-06	1.04E-05	7.14E-07
3166	469777.91	3818931.44	3.69E-05	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.49E-06	2.00E-05	2.38E-06	3.17E-06	1.05E-05	7.20E-07
3167	469781.7	3818922.75	3.72E-05	1.56E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.26E-07
3168	469785.49	3818914.06	3.74E-05	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.02E-05	2.42E-06	3.21E-06	1.06E-05	7.31E-07
3169	469798.1	3818901.88	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
3170	469806.91	3818898.38	4.00E-05	1.68E-04	1.51E-05	3.33E-05	1.23E-04	1.09E-05	3.77E-06	2.16E-05	2.58E-06	3.43E-06	1.13E-05	7.80E-07
3171	469815.73	3818894.89	4.11E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.88E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.03E-07
3172	469824.54	3818891.4	4.23E-05	1.78E-04	1.60E-05	3.52E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.63E-06	1.20E-05	8.26E-07
3173	469842.17	3818884.42	4.46E-05	1.87E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.21E-06	2.41E-05	2.88E-06	3.83E-06	1.26E-05	8.71E-07
3174	469850.99	3818880.93	4.58E-05	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.32E-06	2.48E-05	2.95E-06	3.93E-06	1.30E-05	8.94E-07
3175	469859.8	3818877.44	4.69E-05	1.97E-04	1.77E-05	3.91E-05	1.45E-04	1.27E-05	4.43E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.16E-07
3176	469868.62	3818873.94	4.80E-05	2.02E-04	1.82E-05	4.00E-05	1.48E-04	1.30E-05	4.54E-06	2.60E-05	3.10E-06	4.12E-06	1.36E-05	9.37E-07
3177	469877.43	3818870.45	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.59E-07
3178	469886.25	3818866.96	5.02E-05	2.11E-04	1.90E-05	4.19E-05	1.55E-04	1.36E-05	4.74E-06	2.72E-05	3.24E-06	4.31E-06	1.42E-05	9.80E-07

3179	469895.06	3818863.47	5.13E-05	2.16E-04	1.94E-05	4.28E-05	1.58E-04	1.39E-05	4.85E-06	2.77E-05	3.31E-06	4.41E-06	1.45E-05	1.00E-06
3180	469903.88	3818859.98	5.23E-05	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.94E-06	2.83E-05	3.38E-06	4.49E-06	1.48E-05	1.02E-06
3181	469912.69	3818856.49	5.33E-05	2.24E-04	2.02E-05	4.44E-05	1.65E-04	1.45E-05	5.03E-06	2.88E-05	3.44E-06	4.58E-06	1.51E-05	1.04E-06
3182	469921.51	3818853	5.43E-05	2.28E-04	2.05E-05	4.52E-05	1.67E-04	1.47E-05	5.13E-06	2.93E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
3183	469930.32	3818849.5	5.52E-05	2.32E-04	2.09E-05	4.60E-05	1.70E-04	1.50E-05	5.21E-06	2.99E-05	3.56E-06	4.74E-06	1.56E-05	1.08E-06
3184	469939.14	3818846.01	5.61E-05	2.36E-04	2.12E-05	4.67E-05	1.73E-04	1.52E-05	5.30E-06	3.03E-05	3.62E-06	4.82E-06	1.59E-05	1.09E-06
3185	469947.95	3818842.52	5.69E-05	2.39E-04	2.15E-05	4.74E-05	1.76E-04	1.55E-05	5.38E-06	3.08E-05	3.67E-06	4.89E-06	1.61E-05	1.11E-06
3186	469956.77	3818839.03	5.78E-05	2.43E-04	2.18E-05	4.81E-05	1.78E-04	1.57E-05	5.45E-06	3.12E-05	3.73E-06	4.96E-06	1.64E-05	1.13E-06
3187	469965.58	3818835.54	5.86E-05	2.46E-04	2.22E-05	4.88E-05	1.81E-04	1.59E-05	5.53E-06	3.17E-05	3.78E-06	5.03E-06	1.66E-05	1.14E-06
3188	469974.4	3818832.05	5.94E-05	2.50E-04	2.25E-05	4.95E-05	1.83E-04	1.61E-05	5.61E-06	3.21E-05	3.83E-06	5.10E-06	1.68E-05	1.16E-06
3189	469983.22	3818828.56	6.02E-05	2.53E-04	2.28E-05	5.02E-05	1.86E-04	1.63E-05	5.69E-06	3.26E-05	3.88E-06	5.17E-06	1.70E-05	1.17E-06
3190	469992.03	3818825.07	6.09E-05	2.56E-04	2.30E-05	5.08E-05	1.88E-04	1.65E-05	5.76E-06	3.29E-05	3.93E-06	5.23E-06	1.73E-05	1.19E-06
3191	470000.85	3818821.57	6.16E-05	2.59E-04	2.33E-05	5.13E-05	1.90E-04	1.67E-05	5.81E-06	3.33E-05	3.97E-06	5.29E-06	1.74E-05	1.20E-06
3192	470009.66	3818818.08	6.22E-05	2.61E-04	2.35E-05	5.18E-05	1.92E-04	1.69E-05	5.87E-06	3.36E-05	4.01E-06	5.34E-06	1.76E-05	1.21E-06
3193	470018.48	3818814.59	6.27E-05	2.63E-04	2.37E-05	5.22E-05	1.93E-04	1.70E-05	5.92E-06	3.39E-05	4.04E-06	5.38E-06	1.77E-05	1.22E-06
3194	470027.29	3818811.1	6.32E-05	2.65E-04	2.39E-05	5.26E-05	1.95E-04	1.72E-05	5.97E-06	3.42E-05	4.08E-06	5.42E-06	1.79E-05	1.23E-06
3195	470044.92	3818804.12	6.40E-05	2.69E-04	2.42E-05	5.33E-05	1.97E-04	1.74E-05	6.04E-06	3.46E-05	4.13E-06	5.49E-06	1.81E-05	1.25E-06
3196	470053.74	3818800.63	6.42E-05	2.70E-04	2.43E-05	5.35E-05	1.98E-04	1.74E-05	6.06E-06	3.47E-05	4.14E-06	5.51E-06	1.82E-05	1.25E-06
3197	470062.55	3818797.13	6.44E-05	2.71E-04	2.44E-05	5.37E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
3198	470071.37	3818793.64	6.45E-05	2.71E-04	2.44E-05	5.38E-05	1.99E-04	1.75E-05	6.09E-06	3.49E-05	4.16E-06	5.54E-06	1.83E-05	1.26E-06
3199	470080.18	3818790.15	6.46E-05	2.71E-04	2.44E-05	5.38E-05	1.99E-04	1.75E-05	6.10E-06	3.49E-05	4.17E-06	5.54E-06	1.83E-05	1.26E-06
3200	470089	3818786.66	6.45E-05	2.71E-04	2.44E-05	5.38E-05	1.99E-04	1.75E-05	6.09E-06	3.49E-05	4.16E-06	5.54E-06	1.83E-05	1.26E-06
3201	470097.81	3818783.17	6.44E-05	2.70E-04	2.44E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
3202	470106.63	3818779.68	6.42E-05	2.70E-04	2.43E-05	5.35E-05	1.98E-04	1.74E-05	6.06E-06	3.47E-05	4.14E-06	5.51E-06	1.82E-05	1.25E-06
3203	469616.67	3819208.65	1.76E-05	7.37E-05	6.64E-06	1.46E-05	5.42E-05	4.77E-06	1.66E-06	9.49E-06	1.13E-06	1.51E-06	4.97E-06	3.43E-07
3204	469620.48	3819199.92	1.77E-05	7.44E-05	6.70E-06	1.48E-05	5.47E-05	4.81E-06	1.67E-06	9.58E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
3205	469624.29	3819191.18	1.79E-05	7.53E-05	6.78E-06	1.49E-05	5.53E-05	4.87E-06	1.69E-06	9.69E-06	1.16E-06	1.54E-06	5.07E-06	3.50E-07
3206	469628.1	3819182.44	1.82E-05	7.62E-05	6.86E-06	1.51E-05	5.60E-05	4.93E-06	1.71E-06	9.81E-06	1.17E-06	1.56E-06	5.14E-06	3.54E-07
3207	469631.92	3819173.7	1.84E-05	7.74E-05	6.97E-06	1.53E-05	5.68E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
3208	469635.73	3819164.96	1.87E-05	7.86E-05	7.08E-06	1.56E-05	5.78E-05	5.08E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.30E-06	3.65E-07
3209	469639.54	3819156.23	1.91E-05	8.00E-05	7.21E-06	1.59E-05	5.88E-05	5.17E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
3210	469643.35	3819147.49	1.94E-05	8.16E-05	7.35E-06	1.62E-05	5.99E-05	5.27E-06	1.83E-06	1.05E-05	1.25E-06	1.67E-06	5.50E-06	3.79E-07
3211	469647.16	3819138.75	1.98E-05	8.32E-05	7.50E-06	1.65E-05	6.12E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.61E-06	3.87E-07
3212	469650.97	3819130.01	2.02E-05	8.50E-05	7.66E-06	1.69E-05	6.25E-05	5.50E-06	1.91E-06	1.09E-05	1.31E-06	1.74E-06	5.73E-06	3.95E-07
3213	469654.78	3819121.27	2.07E-05	8.69E-05	7.82E-06	1.72E-05	6.38E-05	5.62E-06	1.95E-06	1.12E-05	1.33E-06	1.78E-06	5.86E-06	4.04E-07
3214	469658.59	3819112.53	2.12E-05	8.89E-05	8.00E-06	1.76E-05	6.53E-05	5.74E-06	2.00E-06	1.14E-05	1.36E-06	1.82E-06	5.99E-06	4.13E-07
3215	469662.4	3819103.8	2.16E-05	9.08E-05	8.18E-06	1.80E-05	6.67E-05	5.87E-06	2.04E-06	1.17E-05	1.40E-06	1.86E-06	6.12E-06	4.22E-07
3216	469666.21	3819095.06	2.21E-05	9.27E-05	8.35E-06	1.84E-05	6.81E-05	5.99E-06	2.08E-06	1.19E-05	1.42E-06	1.90E-06	6.25E-06	4.31E-07
3217	469670.02	3819086.32	2.25E-05	9.46E-05	8.52E-06	1.88E-05	6.95E-05	6.12E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.38E-06	4.40E-07
3218	469673.83	3819077.58	2.30E-05	9.66E-05	8.70E-06	1.92E-05	7.10E-05	6.25E-06	2.17E-06	1.24E-05	1.48E-06	1.98E-06	6.51E-06	4.49E-07
3219	469677.64	3819068.84	2.35E-05	9.88E-05	8.90E-06	1.96E-05	7.26E-05	6.39E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.66E-06	4.59E-07
3220	469704.32	3819007.68	2.72E-05	1.14E-04	1.03E-05	2.27E-05	8.41E-05	7.40E-06	2.57E-06	1.47E-05	1.76E-06	2.34E-06	7.71E-06	5.32E-07
3221	469708.13	3818998.94	2.78E-05	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.53E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07

3222	469715.75	3818981.46	2.87E-05	1.21E-04	1.09E-05	2.39E-05	8.86E-05	7.80E-06	2.71E-06	1.55E-05	1.85E-06	2.47E-06	8.13E-06	5.60E-07
3223	469719.56	3818972.72	2.92E-05	1.23E-04	1.10E-05	2.43E-05	9.01E-05	7.93E-06	2.76E-06	1.58E-05	1.88E-06	2.51E-06	8.26E-06	5.70E-07
3224	469723.37	3818963.99	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.15E-05	8.05E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.39E-06	5.79E-07
3225	469727.19	3818955.25	3.01E-05	1.26E-04	1.14E-05	2.51E-05	9.28E-05	8.17E-06	2.84E-06	1.63E-05	1.94E-06	2.58E-06	8.52E-06	5.87E-07
3226	469731	3818946.51	3.05E-05	1.28E-04	1.15E-05	2.54E-05	9.41E-05	8.28E-06	2.88E-06	1.65E-05	1.97E-06	2.62E-06	8.63E-06	5.95E-07
3227	469734.81	3818937.77	3.09E-05	1.30E-04	1.17E-05	2.57E-05	9.53E-05	8.38E-06	2.92E-06	1.67E-05	1.99E-06	2.65E-06	8.74E-06	6.03E-07
3228	469738.62	3818929.03	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.64E-05	8.48E-06	2.95E-06	1.69E-05	2.01E-06	2.68E-06	8.84E-06	6.09E-07
3229	469742.43	3818920.29	3.15E-05	1.32E-04	1.19E-05	2.63E-05	9.74E-05	8.56E-06	2.98E-06	1.71E-05	2.03E-06	2.71E-06	8.93E-06	6.16E-07
3230	469746.24	3818911.56	3.18E-05	1.34E-04	1.20E-05	2.65E-05	9.81E-05	8.63E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	9.00E-06	6.20E-07
3231	469750.05	3818902.82	3.20E-05	1.34E-04	1.21E-05	2.67E-05	9.88E-05	8.69E-06	3.02E-06	1.73E-05	2.06E-06	2.75E-06	9.06E-06	6.25E-07
3232	469753.86	3818894.08	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.94E-05	8.75E-06	3.04E-06	1.74E-05	2.08E-06	2.77E-06	9.12E-06	6.29E-07
3233	469757.67	3818885.34	3.24E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.18E-06	6.33E-07
3234	469770.35	3818873.09	3.36E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.11E-06	3.17E-06	1.81E-05	2.16E-06	2.88E-06	9.50E-06	6.55E-07
3235	469779.21	3818869.58	3.45E-05	1.45E-04	1.31E-05	2.87E-05	1.06E-04	9.37E-06	3.26E-06	1.87E-05	2.23E-06	2.96E-06	9.77E-06	6.73E-07
3236	469788.07	3818866.07	3.55E-05	1.49E-04	1.34E-05	2.96E-05	1.10E-04	9.64E-06	3.35E-06	1.92E-05	2.29E-06	3.05E-06	1.00E-05	6.93E-07
3237	469796.94	3818862.56	3.65E-05	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.90E-06	3.45E-06	1.97E-05	2.35E-06	3.13E-06	1.03E-05	7.12E-07
3238	469805.8	3818859.05	3.75E-05	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.31E-07
3239	469814.66	3818855.54	3.84E-05	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
3240	469823.52	3818852.03	3.93E-05	1.65E-04	1.49E-05	3.28E-05	1.21E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.68E-07
3241	469850.11	3818841.5	4.21E-05	1.77E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.97E-06	2.27E-05	2.71E-06	3.61E-06	1.19E-05	8.21E-07
3242	469858.98	3818837.99	4.29E-05	1.80E-04	1.62E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.38E-07
3243	469867.84	3818834.48	4.38E-05	1.84E-04	1.66E-05	3.65E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.82E-06	3.76E-06	1.24E-05	8.54E-07
3244	469876.7	3818830.97	4.46E-05	1.87E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.21E-06	2.41E-05	2.88E-06	3.83E-06	1.26E-05	8.71E-07
3245	469885.57	3818827.46	4.54E-05	1.91E-04	1.72E-05	3.78E-05	1.40E-04	1.23E-05	4.29E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.86E-07
3246	469894.43	3818823.95	4.62E-05	1.94E-04	1.75E-05	3.85E-05	1.43E-04	1.25E-05	4.36E-06	2.50E-05	2.98E-06	3.97E-06	1.31E-05	9.02E-07
3247	469903.29	3818820.44	4.70E-05	1.97E-04	1.78E-05	3.91E-05	1.45E-04	1.28E-05	4.44E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.17E-07
3248	469912.16	3818816.93	4.78E-05	2.01E-04	1.81E-05	3.98E-05	1.47E-04	1.30E-05	4.51E-06	2.58E-05	3.08E-06	4.10E-06	1.35E-05	9.32E-07
3249	469921.02	3818813.42	4.86E-05	2.04E-04	1.84E-05	4.04E-05	1.50E-04	1.32E-05	4.58E-06	2.62E-05	3.13E-06	4.17E-06	1.37E-05	9.47E-07
3250	469929.88	3818809.91	4.93E-05	2.07E-04	1.86E-05	4.11E-05	1.52E-04	1.34E-05	4.66E-06	2.67E-05	3.18E-06	4.23E-06	1.40E-05	9.62E-07
3251	469938.75	3818806.4	5.00E-05	2.10E-04	1.89E-05	4.16E-05	1.54E-04	1.36E-05	4.72E-06	2.70E-05	3.22E-06	4.29E-06	1.41E-05	9.75E-07
3252	469947.61	3818802.89	5.06E-05	2.13E-04	1.91E-05	4.21E-05	1.56E-04	1.37E-05	4.78E-06	2.74E-05	3.26E-06	4.34E-06	1.43E-05	9.87E-07
3253	469956.47	3818799.38	5.12E-05	2.15E-04	1.94E-05	4.27E-05	1.58E-04	1.39E-05	4.84E-06	2.77E-05	3.30E-06	4.40E-06	1.45E-05	9.99E-07
3254	469965.33	3818795.87	5.18E-05	2.18E-04	1.96E-05	4.32E-05	1.60E-04	1.41E-05	4.89E-06	2.80E-05	3.34E-06	4.45E-06	1.47E-05	1.01E-06
3255	469974.2	3818792.36	5.24E-05	2.20E-04	1.98E-05	4.37E-05	1.62E-04	1.42E-05	4.95E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
3256	469983.06	3818788.85	5.30E-05	2.22E-04	2.00E-05	4.41E-05	1.63E-04	1.44E-05	5.00E-06	2.86E-05	3.42E-06	4.55E-06	1.50E-05	1.03E-06
3257	469991.92	3818785.33	5.35E-05	2.24E-04	2.02E-05	4.45E-05	1.65E-04	1.45E-05	5.05E-06	2.89E-05	3.45E-06	4.59E-06	1.51E-05	1.04E-06
3258	470000.79	3818781.82	5.39E-05	2.26E-04	2.04E-05	4.49E-05	1.66E-04	1.46E-05	5.09E-06	2.91E-05	3.48E-06	4.63E-06	1.53E-05	1.05E-06
3259	470009.65	3818778.31	5.43E-05	2.28E-04	2.05E-05	4.52E-05	1.68E-04	1.47E-05	5.13E-06	2.94E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
3260	470018.51	3818774.8	5.47E-05	2.30E-04	2.07E-05	4.55E-05	1.69E-04	1.48E-05	5.16E-06	2.96E-05	3.53E-06	4.69E-06	1.55E-05	1.07E-06
3261	470027.38	3818771.29	5.50E-05	2.31E-04	2.08E-05	4.58E-05	1.70E-04	1.49E-05	5.20E-06	2.98E-05	3.55E-06	4.72E-06	1.56E-05	1.07E-06
3262	470045.1	3818764.27	5.56E-05	2.34E-04	2.10E-05	4.63E-05	1.72E-04	1.51E-05	5.25E-06	3.01E-05	3.59E-06	4.77E-06	1.57E-05	1.08E-06
3263	470107.15	3818739.7	5.57E-05	2.34E-04	2.11E-05	4.64E-05	1.72E-04	1.51E-05	5.26E-06	3.01E-05	3.59E-06	4.78E-06	1.58E-05	1.09E-06
3264	469607.5	3819303.32	1.97E-05	8.27E-05	7.45E-06	1.64E-05	6.08E-05	5.35E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.58E-06	3.84E-07

3265	469607.31	3819312.96	2.01E-05	8.46E-05	7.62E-06	1.68E-05	6.21E-05	5.47E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.70E-06	3.93E-07
3266	469607.12	3819322.61	2.06E-05	8.66E-05	7.80E-06	1.72E-05	6.36E-05	5.60E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.83E-06	4.02E-07
3267	469606.93	3819332.26	2.11E-05	8.87E-05	7.99E-06	1.76E-05	6.52E-05	5.73E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.98E-06	4.12E-07
3268	469606.73	3819341.91	2.17E-05	9.10E-05	8.20E-06	1.81E-05	6.69E-05	5.88E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.13E-06	4.23E-07
3269	469606.54	3819351.56	2.23E-05	9.35E-05	8.42E-06	1.85E-05	6.87E-05	6.04E-06	2.10E-06	1.20E-05	1.44E-06	1.91E-06	6.30E-06	4.34E-07
3270	469606.35	3819361.21	2.29E-05	9.61E-05	8.65E-06	1.91E-05	7.06E-05	6.21E-06	2.16E-06	1.24E-05	1.48E-06	1.96E-06	6.48E-06	4.46E-07
3271	469606.15	3819370.85	2.35E-05	9.89E-05	8.90E-06	1.96E-05	7.26E-05	6.39E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.66E-06	4.59E-07
3272	469605.96	3819380.5	2.43E-05	1.02E-04	9.17E-06	2.02E-05	7.48E-05	6.58E-06	2.29E-06	1.31E-05	1.56E-06	2.08E-06	6.86E-06	4.73E-07
3273	469605.77	3819390.15	2.50E-05	1.05E-04	9.45E-06	2.08E-05	7.71E-05	6.79E-06	2.36E-06	1.35E-05	1.61E-06	2.15E-06	7.08E-06	4.88E-07
3274	469605.57	3819399.8	2.58E-05	1.08E-04	9.75E-06	2.15E-05	7.96E-05	7.00E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.30E-06	5.03E-07
3275	469605.38	3819409.45	2.66E-05	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.51E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
3276	469605.19	3819419.09	2.76E-05	1.16E-04	1.04E-05	2.29E-05	8.50E-05	7.48E-06	2.60E-06	1.49E-05	1.78E-06	2.37E-06	7.80E-06	5.38E-07
3277	469604.99	3819428.74	2.85E-05	1.20E-04	1.08E-05	2.38E-05	8.80E-05	7.74E-06	2.69E-06	1.54E-05	1.84E-06	2.45E-06	8.07E-06	5.56E-07
3278	469604.8	3819438.39	2.95E-05	1.24E-04	1.12E-05	2.46E-05	9.11E-05	8.01E-06	2.79E-06	1.60E-05	1.90E-06	2.53E-06	8.35E-06	5.76E-07
3279	469576.72	3819207.77	1.51E-05	6.35E-05	5.72E-06	1.26E-05	4.67E-05	4.11E-06	1.43E-06	8.18E-06	9.76E-07	1.30E-06	4.28E-06	2.95E-07
3280	469580.54	3819198.99	1.52E-05	6.40E-05	5.77E-06	1.27E-05	4.70E-05	4.14E-06	1.44E-06	8.24E-06	9.83E-07	1.31E-06	4.32E-06	2.97E-07
3281	469584.37	3819190.21	1.54E-05	6.46E-05	5.82E-06	1.28E-05	4.75E-05	4.18E-06	1.45E-06	8.32E-06	9.92E-07	1.32E-06	4.35E-06	3.00E-07
3282	469588.2	3819181.44	1.56E-05	6.53E-05	5.88E-06	1.30E-05	4.80E-05	4.22E-06	1.47E-06	8.41E-06	1.00E-06	1.34E-06	4.40E-06	3.03E-07
3283	469592.03	3819172.66	1.57E-05	6.61E-05	5.95E-06	1.31E-05	4.86E-05	4.27E-06	1.49E-06	8.51E-06	1.02E-06	1.35E-06	4.46E-06	3.07E-07
3284	469595.86	3819163.88	1.60E-05	6.70E-05	6.03E-06	1.33E-05	4.92E-05	4.33E-06	1.51E-06	8.62E-06	1.03E-06	1.37E-06	4.52E-06	3.11E-07
3285	469599.69	3819155.1	1.62E-05	6.80E-05	6.12E-06	1.35E-05	5.00E-05	4.40E-06	1.53E-06	8.75E-06	1.04E-06	1.39E-06	4.58E-06	3.16E-07
3286	469603.51	3819146.32	1.65E-05	6.91E-05	6.22E-06	1.37E-05	5.08E-05	4.47E-06	1.55E-06	8.89E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
3287	469607.34	3819137.54	1.67E-05	7.03E-05	6.33E-06	1.39E-05	5.17E-05	4.54E-06	1.58E-06	9.05E-06	1.08E-06	1.44E-06	4.74E-06	3.27E-07
3288	469611.17	3819128.76	1.70E-05	7.16E-05	6.45E-06	1.42E-05	5.26E-05	4.63E-06	1.61E-06	9.22E-06	1.10E-06	1.46E-06	4.83E-06	3.33E-07
3289	469615	3819119.98	1.74E-05	7.30E-05	6.57E-06	1.45E-05	5.36E-05	4.72E-06	1.64E-06	9.39E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
3290	469618.83	3819111.21	1.77E-05	7.44E-05	6.70E-06	1.48E-05	5.47E-05	4.81E-06	1.67E-06	9.58E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
3291	469622.66	3819102.43	1.81E-05	7.60E-05	6.84E-06	1.51E-05	5.58E-05	4.91E-06	1.71E-06	9.78E-06	1.17E-06	1.55E-06	5.12E-06	3.53E-07
3292	469626.49	3819093.65	1.85E-05	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.02E-06	1.75E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.61E-07
3293	469630.31	3819084.87	1.89E-05	7.93E-05	7.14E-06	1.57E-05	5.83E-05	5.13E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.35E-06	3.69E-07
3294	469634.14	3819076.09	1.93E-05	8.11E-05	7.30E-06	1.61E-05	5.96E-05	5.24E-06	1.82E-06	1.04E-05	1.25E-06	1.66E-06	5.46E-06	3.77E-07
3295	469637.97	3819067.31	1.97E-05	8.29E-05	7.46E-06	1.64E-05	6.09E-05	5.36E-06	1.86E-06	1.07E-05	1.27E-06	1.69E-06	5.59E-06	3.85E-07
3296	469641.8	3819058.53	2.02E-05	8.47E-05	7.63E-06	1.68E-05	6.23E-05	5.48E-06	1.91E-06	1.09E-05	1.30E-06	1.73E-06	5.71E-06	3.94E-07
3297	469645.63	3819049.75	2.06E-05	8.66E-05	7.80E-06	1.72E-05	6.36E-05	5.60E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.84E-06	4.02E-07
3298	469649.46	3819040.97	2.11E-05	8.84E-05	7.96E-06	1.75E-05	6.50E-05	5.72E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.96E-06	4.11E-07
3299	469653.29	3819032.2	2.15E-05	9.02E-05	8.13E-06	1.79E-05	6.63E-05	5.83E-06	2.03E-06	1.16E-05	1.39E-06	1.84E-06	6.08E-06	4.19E-07
3300	469657.11	3819023.42	2.19E-05	9.20E-05	8.29E-06	1.82E-05	6.76E-05	5.95E-06	2.07E-06	1.18E-05	1.41E-06	1.88E-06	6.20E-06	4.27E-07
3301	469660.94	3819014.64	2.23E-05	9.38E-05	8.45E-06	1.86E-05	6.89E-05	6.06E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.32E-06	4.36E-07
3302	469664.77	3819005.86	2.28E-05	9.57E-05	8.62E-06	1.90E-05	7.03E-05	6.19E-06	2.15E-06	1.23E-05	1.47E-06	1.96E-06	6.45E-06	4.45E-07
3303	469668.6	3818997.08	2.33E-05	9.77E-05	8.79E-06	1.94E-05	7.18E-05	6.31E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.58E-06	4.54E-07
3304	469672.43	3818988.3	2.37E-05	9.95E-05	8.96E-06	1.97E-05	7.31E-05	6.43E-06	2.24E-06	1.28E-05	1.53E-06	2.03E-06	6.71E-06	4.62E-07
3305	469676.26	3818979.52	2.42E-05	1.02E-04	9.16E-06	2.02E-05	7.47E-05	6.57E-06	2.29E-06	1.31E-05	1.56E-06	2.08E-06	6.85E-06	4.72E-07
3306	469706.89	3818909.29	2.71E-05	1.14E-04	1.02E-05	2.26E-05	8.36E-05	7.35E-06	2.56E-06	1.46E-05	1.75E-06	2.33E-06	7.67E-06	5.29E-07
3307	469710.71	3818900.51	2.73E-05	1.15E-04	1.03E-05	2.28E-05	8.44E-05	7.42E-06	2.58E-06	1.48E-05	1.76E-06	2.35E-06	7.74E-06	5.34E-07

3308	469714.54	3818891.73	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.51E-05	7.49E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.81E-06	5.38E-07
3309	469718.37	3818882.96	2.78E-05	1.17E-04	1.05E-05	2.32E-05	8.59E-05	7.56E-06	2.63E-06	1.50E-05	1.80E-06	2.39E-06	7.88E-06	5.43E-07
3310	469722.2	3818874.18	2.81E-05	1.18E-04	1.06E-05	2.34E-05	8.66E-05	7.62E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.94E-06	5.47E-07
3311	469726.03	3818865.4	2.82E-05	1.19E-04	1.07E-05	2.35E-05	8.72E-05	7.67E-06	2.67E-06	1.53E-05	1.82E-06	2.43E-06	8.00E-06	5.51E-07
3312	469729.86	3818856.62	2.84E-05	1.19E-04	1.07E-05	2.36E-05	8.76E-05	7.71E-06	2.68E-06	1.53E-05	1.83E-06	2.44E-06	8.04E-06	5.54E-07
3313	469742.59	3818844.31	2.93E-05	1.23E-04	1.11E-05	2.44E-05	9.05E-05	7.96E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.30E-06	5.72E-07
3314	469751.49	3818840.79	3.02E-05	1.27E-04	1.14E-05	2.51E-05	9.30E-05	8.18E-06	2.85E-06	1.63E-05	1.94E-06	2.59E-06	8.54E-06	5.88E-07
3315	469760.4	3818837.26	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.55E-05	8.40E-06	2.92E-06	1.67E-05	2.00E-06	2.66E-06	8.76E-06	6.04E-07
3316	469769.3	3818833.73	3.17E-05	1.33E-04	1.20E-05	2.64E-05	9.79E-05	8.61E-06	3.00E-06	1.72E-05	2.05E-06	2.72E-06	8.98E-06	6.19E-07
3317	469778.21	3818830.21	3.25E-05	1.37E-04	1.23E-05	2.71E-05	1.00E-04	8.82E-06	3.07E-06	1.76E-05	2.10E-06	2.79E-06	9.20E-06	6.34E-07
3318	469787.11	3818826.68	3.33E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.03E-06	3.14E-06	1.80E-05	2.15E-06	2.86E-06	9.42E-06	6.49E-07
3319	469796.02	3818823.15	3.40E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.24E-06	3.22E-06	1.84E-05	2.20E-06	2.92E-06	9.64E-06	6.64E-07
3320	469804.92	3818819.63	3.48E-05	1.46E-04	1.32E-05	2.90E-05	1.07E-04	9.45E-06	3.29E-06	1.88E-05	2.25E-06	2.99E-06	9.86E-06	6.80E-07
3321	469813.82	3818816.1	3.56E-05	1.49E-04	1.35E-05	2.96E-05	1.10E-04	9.66E-06	3.36E-06	1.92E-05	2.30E-06	3.05E-06	1.01E-05	6.94E-07
3322	469822.73	3818812.57	3.63E-05	1.53E-04	1.37E-05	3.02E-05	1.12E-04	9.86E-06	3.43E-06	1.96E-05	2.34E-06	3.12E-06	1.03E-05	7.09E-07
3323	469849.44	3818801.99	3.84E-05	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
3324	469858.35	3818798.47	3.91E-05	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.36E-06	1.11E-05	7.63E-07
3325	469867.25	3818794.94	3.98E-05	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.75E-06	2.15E-05	2.56E-06	3.41E-06	1.13E-05	7.76E-07
3326	469876.15	3818791.41	4.04E-05	1.70E-04	1.53E-05	3.36E-05	1.25E-04	1.10E-05	3.81E-06	2.18E-05	2.60E-06	3.47E-06	1.14E-05	7.88E-07
3327	469885.06	3818787.89	4.10E-05	1.72E-04	1.55E-05	3.42E-05	1.27E-04	1.11E-05	3.87E-06	2.22E-05	2.64E-06	3.52E-06	1.16E-05	8.00E-07
3328	469893.96	3818784.36	4.16E-05	1.75E-04	1.57E-05	3.47E-05	1.28E-04	1.13E-05	3.93E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.12E-07
3329	469902.87	3818780.83	4.23E-05	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.64E-06	1.20E-05	8.26E-07
3330	469911.77	3818777.31	4.30E-05	1.80E-04	1.62E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.38E-07
3331	469920.68	3818773.78	4.36E-05	1.83E-04	1.65E-05	3.63E-05	1.34E-04	1.18E-05	4.11E-06	2.35E-05	2.81E-06	3.74E-06	1.23E-05	8.50E-07
3332	469929.58	3818770.25	4.41E-05	1.85E-04	1.67E-05	3.67E-05	1.36E-04	1.20E-05	4.16E-06	2.38E-05	2.84E-06	3.79E-06	1.25E-05	8.61E-07
3333	469938.49	3818766.73	4.46E-05	1.87E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.21E-06	2.41E-05	2.88E-06	3.83E-06	1.26E-05	8.70E-07
3334	469947.39	3818763.2	4.51E-05	1.89E-04	1.71E-05	3.76E-05	1.39E-04	1.22E-05	4.26E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.80E-07
3335	470054.24	3818720.88	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.57E-07
3336	470063.15	3818717.35	4.92E-05	2.06E-04	1.86E-05	4.10E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.59E-07
3337	470072.05	3818713.83	4.92E-05	2.07E-04	1.86E-05	4.10E-05	1.52E-04	1.34E-05	4.65E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.60E-07
3338	470080.96	3818710.3	4.92E-05	2.06E-04	1.86E-05	4.09E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.59E-07
3339	470089.86	3818706.77	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.57E-07
3340	470098.76	3818703.25	4.89E-05	2.05E-04	1.85E-05	4.07E-05	1.51E-04	1.33E-05	4.62E-06	2.64E-05	3.16E-06	4.20E-06	1.38E-05	9.55E-07
3341	470107.67	3818699.72	4.87E-05	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.60E-06	2.63E-05	3.14E-06	4.18E-06	1.38E-05	9.50E-07
3342	469567.71	3819292.87	1.67E-05	7.00E-05	6.30E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.01E-06	1.07E-06	1.43E-06	4.72E-06	3.25E-07
3343	469567.51	3819302.52	1.70E-05	7.14E-05	6.43E-06	1.42E-05	5.24E-05	4.61E-06	1.60E-06	9.19E-06	1.10E-06	1.46E-06	4.81E-06	3.32E-07
3344	469567.32	3819312.16	1.74E-05	7.29E-05	6.56E-06	1.45E-05	5.35E-05	4.71E-06	1.64E-06	9.38E-06	1.12E-06	1.49E-06	4.91E-06	3.39E-07
3345	469567.13	3819321.81	1.77E-05	7.45E-05	6.71E-06	1.48E-05	5.47E-05	4.81E-06	1.67E-06	9.59E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
3346	469566.93	3819331.46	1.81E-05	7.62E-05	6.86E-06	1.51E-05	5.60E-05	4.93E-06	1.71E-06	9.81E-06	1.17E-06	1.56E-06	5.14E-06	3.54E-07
3347	469566.74	3819341.11	1.86E-05	7.81E-05	7.03E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.00E-05	1.20E-06	1.60E-06	5.26E-06	3.63E-07
3348	469566.55	3819350.76	1.91E-05	8.00E-05	7.21E-06	1.59E-05	5.88E-05	5.17E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.39E-06	3.72E-07
3349	469566.35	3819360.4	1.96E-05	8.21E-05	7.39E-06	1.63E-05	6.03E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.53E-06	3.81E-07
3350	469566.16	3819370.05	2.01E-05	8.43E-05	7.59E-06	1.67E-05	6.20E-05	5.45E-06	1.90E-06	1.09E-05	1.30E-06	1.72E-06	5.68E-06	3.92E-07

3351	469565.97	3819379.7	2.06E-05	8.67E-05	7.80E-06	1.72E-05	6.37E-05	5.60E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.84E-06	4.03E-07
3352	469565.77	3819389.35	2.12E-05	8.91E-05	8.03E-06	1.77E-05	6.55E-05	5.76E-06	2.00E-06	1.15E-05	1.37E-06	1.82E-06	6.01E-06	4.14E-07
3353	469565.58	3819399	2.18E-05	9.17E-05	8.26E-06	1.82E-05	6.74E-05	5.93E-06	2.06E-06	1.18E-05	1.41E-06	1.88E-06	6.18E-06	4.26E-07
3354	469565.39	3819408.65	2.25E-05	9.45E-05	8.51E-06	1.87E-05	6.95E-05	6.11E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.37E-06	4.39E-07
3355	469565.19	3819418.29	2.32E-05	9.76E-05	8.79E-06	1.94E-05	7.17E-05	6.31E-06	2.19E-06	1.26E-05	1.50E-06	1.99E-06	6.58E-06	4.53E-07
3356	469565	3819427.94	2.40E-05	1.01E-04	9.08E-06	2.00E-05	7.41E-05	6.52E-06	2.27E-06	1.30E-05	1.55E-06	2.06E-06	6.79E-06	4.68E-07
3357	469564.81	3819437.59	2.48E-05	1.04E-04	9.38E-06	2.07E-05	7.65E-05	6.73E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.02E-06	4.84E-07
3358	469536.75	3819206.9	1.32E-05	5.53E-05	4.98E-06	1.10E-05	4.07E-05	3.58E-06	1.24E-06	7.12E-06	8.50E-07	1.13E-06	3.73E-06	2.57E-07
3359	469540.6	3819198.09	1.33E-05	5.57E-05	5.01E-06	1.10E-05	4.09E-05	3.60E-06	1.25E-06	7.17E-06	8.55E-07	1.14E-06	3.75E-06	2.59E-07
3360	469544.44	3819189.27	1.34E-05	5.61E-05	5.05E-06	1.11E-05	4.12E-05	3.63E-06	1.26E-06	7.22E-06	8.62E-07	1.15E-06	3.78E-06	2.61E-07
3361	469548.29	3819180.46	1.35E-05	5.66E-05	5.10E-06	1.12E-05	4.16E-05	3.66E-06	1.27E-06	7.29E-06	8.69E-07	1.16E-06	3.82E-06	2.63E-07
3362	469552.13	3819171.64	1.36E-05	5.72E-05	5.15E-06	1.13E-05	4.20E-05	3.70E-06	1.29E-06	7.36E-06	8.78E-07	1.17E-06	3.85E-06	2.66E-07
3363	469555.97	3819162.83	1.38E-05	5.78E-05	5.21E-06	1.15E-05	4.25E-05	3.74E-06	1.30E-06	7.44E-06	8.88E-07	1.18E-06	3.90E-06	2.69E-07
3364	469559.82	3819154.02	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.32E-06	7.54E-06	8.99E-07	1.20E-06	3.95E-06	2.72E-07
3365	469563.66	3819145.2	1.41E-05	5.94E-05	5.35E-06	1.18E-05	4.36E-05	3.84E-06	1.34E-06	7.64E-06	9.12E-07	1.21E-06	4.00E-06	2.76E-07
3366	469567.51	3819136.39	1.44E-05	6.03E-05	5.43E-06	1.20E-05	4.43E-05	3.90E-06	1.36E-06	7.76E-06	9.26E-07	1.23E-06	4.06E-06	2.80E-07
3367	469571.35	3819127.57	1.46E-05	6.13E-05	5.52E-06	1.22E-05	4.51E-05	3.96E-06	1.38E-06	7.89E-06	9.42E-07	1.25E-06	4.13E-06	2.85E-07
3368	469575.19	3819118.76	1.49E-05	6.24E-05	5.62E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.03E-06	9.58E-07	1.28E-06	4.20E-06	2.90E-07
3369	469579.04	3819109.95	1.51E-05	6.35E-05	5.72E-06	1.26E-05	4.67E-05	4.11E-06	1.43E-06	8.18E-06	9.76E-07	1.30E-06	4.28E-06	2.95E-07
3370	469582.88	3819101.13	1.54E-05	6.47E-05	5.83E-06	1.28E-05	4.76E-05	4.18E-06	1.46E-06	8.33E-06	9.94E-07	1.32E-06	4.36E-06	3.01E-07
3371	469586.73	3819092.32	1.57E-05	6.60E-05	5.94E-06	1.31E-05	4.85E-05	4.26E-06	1.48E-06	8.49E-06	1.01E-06	1.35E-06	4.45E-06	3.06E-07
3372	469590.57	3819083.5	1.60E-05	6.73E-05	6.06E-06	1.34E-05	4.95E-05	4.35E-06	1.51E-06	8.67E-06	1.03E-06	1.38E-06	4.54E-06	3.13E-07
3373	469594.41	3819074.69	1.64E-05	6.87E-05	6.19E-06	1.36E-05	5.05E-05	4.44E-06	1.55E-06	8.85E-06	1.06E-06	1.40E-06	4.63E-06	3.19E-07
3374	469598.26	3819065.87	1.67E-05	7.01E-05	6.31E-06	1.39E-05	5.15E-05	4.53E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
3375	469602.1	3819057.06	1.70E-05	7.15E-05	6.44E-06	1.42E-05	5.26E-05	4.62E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
3376	469605.95	3819048.25	1.74E-05	7.30E-05	6.58E-06	1.45E-05	5.36E-05	4.72E-06	1.64E-06	9.40E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
3377	469609.79	3819039.43	1.78E-05	7.46E-05	6.72E-06	1.48E-05	5.48E-05	4.82E-06	1.68E-06	9.60E-06	1.15E-06	1.52E-06	5.03E-06	3.47E-07
3378	469613.63	3819030.62	1.81E-05	7.62E-05	6.86E-06	1.51E-05	5.60E-05	4.92E-06	1.71E-06	9.81E-06	1.17E-06	1.56E-06	5.13E-06	3.54E-07
3379	469617.48	3819021.8	1.85E-05	7.78E-05	7.00E-06	1.54E-05	5.71E-05	5.03E-06	1.75E-06	1.00E-05	1.19E-06	1.59E-06	5.24E-06	3.61E-07
3380	469621.32	3819012.99	1.89E-05	7.94E-05	7.15E-06	1.57E-05	5.83E-05	5.13E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.35E-06	3.69E-07
3381	469625.16	3819004.18	1.93E-05	8.10E-05	7.29E-06	1.61E-05	5.95E-05	5.24E-06	1.82E-06	1.04E-05	1.24E-06	1.66E-06	5.46E-06	3.76E-07
3382	469629.01	3818995.36	1.97E-05	8.26E-05	7.44E-06	1.64E-05	6.07E-05	5.34E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.57E-06	3.84E-07
3383	469632.85	3818986.55	2.01E-05	8.43E-05	7.59E-06	1.67E-05	6.19E-05	5.45E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.68E-06	3.92E-07
3384	469636.7	3818977.73	2.05E-05	8.61E-05	7.76E-06	1.71E-05	6.33E-05	5.57E-06	1.94E-06	1.11E-05	1.32E-06	1.76E-06	5.81E-06	4.00E-07
3385	469640.54	3818968.92	2.09E-05	8.76E-05	7.89E-06	1.74E-05	6.44E-05	5.66E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.07E-07
3386	469644.38	3818960.1	2.12E-05	8.91E-05	8.02E-06	1.77E-05	6.55E-05	5.76E-06	2.00E-06	1.15E-05	1.37E-06	1.82E-06	6.01E-06	4.14E-07
3387	469648.23	3818951.29	2.16E-05	9.06E-05	8.16E-06	1.80E-05	6.65E-05	5.85E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.10E-06	4.21E-07
3388	469652.07	3818942.48	2.19E-05	9.20E-05	8.29E-06	1.83E-05	6.76E-05	5.95E-06	2.07E-06	1.18E-05	1.41E-06	1.88E-06	6.20E-06	4.28E-07
3389	469655.92	3818933.66	2.22E-05	9.34E-05	8.41E-06	1.85E-05	6.87E-05	6.04E-06	2.10E-06	1.20E-05	1.44E-06	1.91E-06	6.30E-06	4.34E-07
3390	469659.76	3818924.85	2.26E-05	9.48E-05	8.54E-06	1.88E-05	6.97E-05	6.13E-06	2.13E-06	1.22E-05	1.46E-06	1.94E-06	6.39E-06	4.40E-07
3391	469714.83	3818815.54	2.58E-05	1.08E-04	9.75E-06	2.15E-05	7.95E-05	7.00E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.30E-06	5.03E-07
3392	469723.77	3818812	2.65E-05	1.11E-04	1.00E-05	2.20E-05	8.16E-05	7.18E-06	2.50E-06	1.43E-05	1.71E-06	2.27E-06	7.49E-06	5.16E-07
3393	469732.71	3818808.46	2.71E-05	1.14E-04	1.03E-05	2.26E-05	8.37E-05	7.36E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.68E-06	5.29E-07

3394	469741.65	3818804.91	2.78E-05	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.39E-06	7.87E-06	5.42E-07
3395	469750.59	3818801.37	2.84E-05	1.19E-04	1.08E-05	2.37E-05	8.77E-05	7.72E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
3396	469759.53	3818797.83	2.91E-05	1.22E-04	1.10E-05	2.42E-05	8.97E-05	7.89E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.23E-06	5.67E-07
3397	469768.47	3818794.29	2.97E-05	1.25E-04	1.12E-05	2.48E-05	9.17E-05	8.07E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.41E-06	5.80E-07
3398	469777.41	3818790.75	3.04E-05	1.28E-04	1.15E-05	2.53E-05	9.37E-05	8.25E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.60E-06	5.93E-07
3399	469786.35	3818787.21	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.57E-05	8.42E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.78E-06	6.05E-07
3400	469795.29	3818783.67	3.16E-05	1.33E-04	1.20E-05	2.63E-05	9.76E-05	8.58E-06	2.99E-06	1.71E-05	2.04E-06	2.71E-06	8.95E-06	6.17E-07
3401	469804.23	3818780.13	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.94E-05	8.74E-06	3.04E-06	1.74E-05	2.08E-06	2.77E-06	9.12E-06	6.29E-07
3402	469813.17	3818776.59	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.90E-06	3.10E-06	1.77E-05	2.11E-06	2.81E-06	9.28E-06	6.40E-07
3403	469822.11	3818773.05	3.34E-05	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.07E-06	3.15E-06	1.81E-05	2.15E-06	2.87E-06	9.45E-06	6.52E-07
3404	469848.93	3818762.42	3.51E-05	1.47E-04	1.33E-05	2.92E-05	1.08E-04	9.53E-06	3.31E-06	1.90E-05	2.26E-06	3.01E-06	9.93E-06	6.85E-07
3405	470054.56	3818680.98	4.33E-05	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.17E-05	4.09E-06	2.34E-05	2.79E-06	3.72E-06	1.23E-05	8.45E-07
3406	470063.5	3818677.44	4.33E-05	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.09E-06	2.34E-05	2.80E-06	3.72E-06	1.23E-05	8.46E-07
3407	470072.44	3818673.9	4.34E-05	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.09E-06	2.34E-05	2.80E-06	3.72E-06	1.23E-05	8.46E-07
3408	470081.38	3818670.36	4.33E-05	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.09E-06	2.34E-05	2.79E-06	3.72E-06	1.23E-05	8.45E-07
3409	470090.32	3818666.82	4.33E-05	1.82E-04	1.64E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.44E-07
3410	470099.26	3818663.28	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.41E-07
3411	470108.2	3818659.74	4.29E-05	1.80E-04	1.62E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.38E-07
3412	469527.71	3819292.07	1.45E-05	6.09E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.84E-06	9.36E-07	1.25E-06	4.11E-06	2.83E-07
3413	469527.52	3819301.71	1.48E-05	6.21E-05	5.59E-06	1.23E-05	4.56E-05	4.02E-06	1.40E-06	8.00E-06	9.54E-07	1.27E-06	4.19E-06	2.89E-07
3414	469527.33	3819311.36	1.51E-05	6.34E-05	5.71E-06	1.26E-05	4.66E-05	4.10E-06	1.43E-06	8.17E-06	9.74E-07	1.30E-06	4.28E-06	2.95E-07
3415	469527.13	3819321.01	1.54E-05	6.48E-05	5.83E-06	1.28E-05	4.76E-05	4.19E-06	1.46E-06	8.34E-06	9.95E-07	1.32E-06	4.37E-06	3.01E-07
3416	469526.94	3819330.66	1.58E-05	6.62E-05	5.96E-06	1.31E-05	4.86E-05	4.28E-06	1.49E-06	8.52E-06	1.02E-06	1.35E-06	4.46E-06	3.08E-07
3417	469526.75	3819340.31	1.61E-05	6.77E-05	6.10E-06	1.34E-05	4.97E-05	4.38E-06	1.52E-06	8.71E-06	1.04E-06	1.38E-06	4.56E-06	3.15E-07
3418	469526.55	3819349.96	1.65E-05	6.93E-05	6.24E-06	1.37E-05	5.09E-05	4.48E-06	1.56E-06	8.92E-06	1.06E-06	1.42E-06	4.67E-06	3.22E-07
3419	469526.36	3819359.6	1.69E-05	7.10E-05	6.39E-06	1.41E-05	5.22E-05	4.59E-06	1.60E-06	9.14E-06	1.09E-06	1.45E-06	4.78E-06	3.30E-07
3420	469526.17	3819369.25	1.73E-05	7.28E-05	6.55E-06	1.44E-05	5.35E-05	4.70E-06	1.64E-06	9.37E-06	1.12E-06	1.49E-06	4.90E-06	3.38E-07
3421	469525.98	3819378.9	1.78E-05	7.46E-05	6.72E-06	1.48E-05	5.49E-05	4.83E-06	1.68E-06	9.61E-06	1.15E-06	1.53E-06	5.03E-06	3.47E-07
3422	469525.78	3819388.55	1.82E-05	7.66E-05	6.90E-06	1.52E-05	5.63E-05	4.95E-06	1.72E-06	9.86E-06	1.18E-06	1.57E-06	5.16E-06	3.56E-07
3423	469525.59	3819398.2	1.87E-05	7.87E-05	7.09E-06	1.56E-05	5.78E-05	5.09E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
3424	469525.4	3819407.84	1.93E-05	8.09E-05	7.29E-06	1.60E-05	5.95E-05	5.23E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.45E-06	3.76E-07
3425	469525.2	3819417.49	1.98E-05	8.34E-05	7.51E-06	1.65E-05	6.12E-05	5.39E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.62E-06	3.87E-07
3426	469525.01	3819427.14	2.05E-05	8.59E-05	7.74E-06	1.70E-05	6.31E-05	5.55E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.79E-06	3.99E-07
3427	469524.82	3819436.79	2.11E-05	8.86E-05	7.98E-06	1.76E-05	6.51E-05	5.73E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.97E-06	4.12E-07
3428	469500.65	3819197.19	1.16E-05	4.89E-05	4.40E-06	9.70E-06	3.59E-05	3.16E-06	1.10E-06	6.29E-06	7.51E-07	9.99E-07	3.30E-06	2.27E-07
3429	469504.5	3819188.35	1.17E-05	4.92E-05	4.43E-06	9.75E-06	3.61E-05	3.18E-06	1.11E-06	6.33E-06	7.55E-07	1.01E-06	3.31E-06	2.28E-07
3430	469508.36	3819179.5	1.18E-05	4.95E-05	4.46E-06	9.83E-06	3.64E-05	3.20E-06	1.11E-06	6.38E-06	7.61E-07	1.01E-06	3.34E-06	2.30E-07
3431	469512.22	3819170.66	1.19E-05	5.00E-05	4.50E-06	9.91E-06	3.67E-05	3.23E-06	1.12E-06	6.43E-06	7.67E-07	1.02E-06	3.37E-06	2.32E-07
3432	469516.08	3819161.81	1.20E-05	5.04E-05	4.54E-06	1.00E-05	3.70E-05	3.26E-06	1.13E-06	6.49E-06	7.74E-07	1.03E-06	3.40E-06	2.34E-07
3433	469519.93	3819152.97	1.21E-05	5.09E-05	4.58E-06	1.01E-05	3.74E-05	3.29E-06	1.14E-06	6.55E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
3434	469523.79	3819144.12	1.22E-05	5.14E-05	4.63E-06	1.02E-05	3.78E-05	3.32E-06	1.16E-06	6.62E-06	7.90E-07	1.05E-06	3.47E-06	2.39E-07
3435	469527.65	3819135.28	1.24E-05	5.20E-05	4.68E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.70E-06	7.99E-07	1.06E-06	3.51E-06	2.42E-07
3436	469531.51	3819126.43	1.26E-05	5.28E-05	4.75E-06	1.05E-05	3.88E-05	3.41E-06	1.19E-06	6.80E-06	8.11E-07	1.08E-06	3.56E-06	2.45E-07

3437	469535.36	3819117.59	1.28E-05	5.36E-05	4.83E-06	1.06E-05	3.94E-05	3.46E-06	1.21E-06	6.90E-06	8.23E-07	1.10E-06	3.61E-06	2.49E-07
3438	469539.22	3819108.74	1.30E-05	5.45E-05	4.91E-06	1.08E-05	4.01E-05	3.52E-06	1.23E-06	7.02E-06	8.37E-07	1.11E-06	3.67E-06	2.53E-07
3439	469543.08	3819099.9	1.32E-05	5.55E-05	5.00E-06	1.10E-05	4.08E-05	3.59E-06	1.25E-06	7.14E-06	8.52E-07	1.13E-06	3.74E-06	2.58E-07
3440	469546.94	3819091.05	1.35E-05	5.65E-05	5.09E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.27E-06	8.68E-07	1.16E-06	3.81E-06	2.63E-07
3441	469550.79	3819082.21	1.37E-05	5.76E-05	5.19E-06	1.14E-05	4.23E-05	3.72E-06	1.29E-06	7.41E-06	8.84E-07	1.18E-06	3.88E-06	2.68E-07
3442	469554.65	3819073.36	1.40E-05	5.87E-05	5.28E-06	1.16E-05	4.31E-05	3.79E-06	1.32E-06	7.55E-06	9.01E-07	1.20E-06	3.95E-06	2.73E-07
3443	469558.51	3819064.52	1.43E-05	5.99E-05	5.39E-06	1.19E-05	4.40E-05	3.87E-06	1.35E-06	7.71E-06	9.19E-07	1.22E-06	4.03E-06	2.78E-07
3444	469562.37	3819055.67	1.45E-05	6.11E-05	5.50E-06	1.21E-05	4.49E-05	3.95E-06	1.37E-06	7.86E-06	9.38E-07	1.25E-06	4.12E-06	2.84E-07
3445	469566.22	3819046.83	1.48E-05	6.23E-05	5.61E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.03E-06	9.58E-07	1.27E-06	4.20E-06	2.90E-07
3446	469570.08	3819037.98	1.51E-05	6.34E-05	5.71E-06	1.26E-05	4.66E-05	4.10E-06	1.42E-06	8.16E-06	9.73E-07	1.30E-06	4.27E-06	2.94E-07
3447	469573.94	3819029.13	1.54E-05	6.47E-05	5.83E-06	1.28E-05	4.75E-05	4.18E-06	1.46E-06	8.33E-06	9.94E-07	1.32E-06	4.36E-06	3.01E-07
3448	469577.8	3819020.29	1.57E-05	6.61E-05	5.95E-06	1.31E-05	4.86E-05	4.27E-06	1.49E-06	8.51E-06	1.02E-06	1.35E-06	4.46E-06	3.07E-07
3449	469581.65	3819011.44	1.61E-05	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.56E-06	3.14E-07
3450	469585.51	3819002.6	1.65E-05	6.91E-05	6.23E-06	1.37E-05	5.08E-05	4.47E-06	1.55E-06	8.90E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
3451	469589.37	3818993.75	1.68E-05	7.06E-05	6.36E-06	1.40E-05	5.19E-05	4.57E-06	1.59E-06	9.09E-06	1.09E-06	1.44E-06	4.76E-06	3.28E-07
3452	469593.23	3818984.91	1.72E-05	7.21E-05	6.50E-06	1.43E-05	5.30E-05	4.66E-06	1.62E-06	9.29E-06	1.11E-06	1.47E-06	4.86E-06	3.35E-07
3453	469597.08	3818976.06	1.75E-05	7.35E-05	6.62E-06	1.46E-05	5.40E-05	4.75E-06	1.65E-06	9.47E-06	1.13E-06	1.50E-06	4.96E-06	3.42E-07
3454	469600.94	3818967.22	1.78E-05	7.49E-05	6.74E-06	1.49E-05	5.50E-05	4.84E-06	1.68E-06	9.64E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
3455	469604.8	3818958.37	1.82E-05	7.62E-05	6.86E-06	1.51E-05	5.60E-05	4.93E-06	1.71E-06	9.81E-06	1.17E-06	1.56E-06	5.14E-06	3.54E-07
3456	469608.66	3818949.53	1.85E-05	7.75E-05	6.98E-06	1.54E-05	5.70E-05	5.01E-06	1.74E-06	9.98E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
3457	469612.51	3818940.68	1.88E-05	7.88E-05	7.10E-06	1.56E-05	5.79E-05	5.09E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
3458	469616.37	3818931.84	1.91E-05	8.01E-05	7.21E-06	1.59E-05	5.88E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
3459	469705.01	3818779.66	2.40E-05	1.01E-04	9.06E-06	2.00E-05	7.39E-05	6.50E-06	2.26E-06	1.29E-05	1.54E-06	2.06E-06	6.78E-06	4.67E-07
3460	469713.98	3818776.1	2.45E-05	1.03E-04	9.27E-06	2.04E-05	7.56E-05	6.65E-06	2.31E-06	1.33E-05	1.58E-06	2.10E-06	6.94E-06	4.78E-07
3461	469722.95	3818772.55	2.51E-05	1.05E-04	9.48E-06	2.09E-05	7.74E-05	6.80E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.89E-07
3462	469731.92	3818769	2.56E-05	1.08E-04	9.69E-06	2.13E-05	7.91E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.25E-06	5.00E-07
3463	469740.89	3818765.44	2.62E-05	1.10E-04	9.90E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
3464	469812.67	3818737.02	3.03E-05	1.27E-04	1.14E-05	2.52E-05	9.34E-05	8.21E-06	2.86E-06	1.64E-05	1.95E-06	2.60E-06	8.56E-06	5.90E-07
3465	469821.64	3818733.46	3.07E-05	1.29E-04	1.16E-05	2.56E-05	9.48E-05	8.34E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.69E-06	5.99E-07
3466	469830.61	3818729.91	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.61E-05	8.46E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.82E-06	6.08E-07
3467	469839.58	3818726.36	3.16E-05	1.33E-04	1.19E-05	2.63E-05	9.75E-05	8.57E-06	2.98E-06	1.71E-05	2.04E-06	2.71E-06	8.94E-06	6.16E-07
3468	469848.55	3818722.8	3.20E-05	1.34E-04	1.21E-05	2.67E-05	9.87E-05	8.69E-06	3.02E-06	1.73E-05	2.06E-06	2.75E-06	9.06E-06	6.24E-07
3469	469857.52	3818719.25	3.24E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.18E-06	6.33E-07
3470	469866.5	3818715.7	3.28E-05	1.38E-04	1.24E-05	2.74E-05	1.01E-04	8.92E-06	3.10E-06	1.78E-05	2.12E-06	2.82E-06	9.30E-06	6.41E-07
3471	469875.47	3818712.14	3.32E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.02E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
3472	469884.44	3818708.59	3.36E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.11E-06	3.17E-06	1.81E-05	2.17E-06	2.88E-06	9.50E-06	6.55E-07
3473	469893.41	3818705.04	3.39E-05	1.42E-04	1.28E-05	2.83E-05	1.05E-04	9.21E-06	3.20E-06	1.83E-05	2.19E-06	2.91E-06	9.60E-06	6.62E-07
3474	469902.38	3818701.48	3.43E-05	1.44E-04	1.30E-05	2.85E-05	1.06E-04	9.30E-06	3.24E-06	1.85E-05	2.21E-06	2.94E-06	9.70E-06	6.69E-07
3475	469911.35	3818697.93	3.46E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.40E-06	3.27E-06	1.87E-05	2.23E-06	2.97E-06	9.80E-06	6.75E-07
3476	470010.04	3818658.84	3.77E-05	1.58E-04	1.42E-05	3.14E-05	1.16E-04	1.02E-05	3.56E-06	2.04E-05	2.43E-06	3.23E-06	1.07E-05	7.35E-07
3477	470019.01	3818655.29	3.79E-05	1.59E-04	1.43E-05	3.16E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.45E-06	3.26E-06	1.07E-05	7.40E-07
3478	470027.99	3818651.74	3.81E-05	1.60E-04	1.44E-05	3.17E-05	1.18E-04	1.03E-05	3.60E-06	2.06E-05	2.46E-06	3.27E-06	1.08E-05	7.44E-07
3479	470036.96	3818648.18	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.47E-06	3.29E-06	1.08E-05	7.47E-07

3480	470045.93	3818644.63	3.84E-05	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.49E-07
3481	470054.9	3818641.08	3.85E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.08E-05	2.49E-06	3.31E-06	1.09E-05	7.52E-07
3482	470063.87	3818637.52	3.87E-05	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.49E-06	3.32E-06	1.09E-05	7.55E-07
3483	470072.84	3818633.97	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
3484	470081.82	3818630.42	3.86E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
3485	470090.79	3818626.86	3.85E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.04E-05	3.64E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.51E-07
3486	470099.76	3818623.31	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
3487	470108.73	3818619.76	3.87E-05	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.50E-06	3.32E-06	1.10E-05	7.55E-07
3488	469488.69	3819243.02	1.18E-05	4.95E-05	4.46E-06	9.82E-06	3.64E-05	3.20E-06	1.11E-06	6.37E-06	7.61E-07	1.01E-06	3.34E-06	2.30E-07
3489	469488.49	3819252.67	1.19E-05	5.02E-05	4.52E-06	9.95E-06	3.69E-05	3.24E-06	1.13E-06	6.46E-06	7.71E-07	1.03E-06	3.38E-06	2.33E-07
3490	469488.3	3819262.32	1.21E-05	5.09E-05	4.58E-06	1.01E-05	3.74E-05	3.29E-06	1.14E-06	6.55E-06	7.82E-07	1.04E-06	3.43E-06	2.36E-07
3491	469488.11	3819271.97	1.23E-05	5.17E-05	4.65E-06	1.02E-05	3.80E-05	3.34E-06	1.16E-06	6.65E-06	7.94E-07	1.06E-06	3.48E-06	2.40E-07
3492	469487.92	3819281.62	1.25E-05	5.25E-05	4.73E-06	1.04E-05	3.86E-05	3.40E-06	1.18E-06	6.76E-06	8.07E-07	1.07E-06	3.54E-06	2.44E-07
3493	469487.72	3819291.27	1.27E-05	5.35E-05	4.82E-06	1.06E-05	3.93E-05	3.46E-06	1.20E-06	6.89E-06	8.22E-07	1.09E-06	3.61E-06	2.49E-07
3494	469487.53	3819300.91	1.30E-05	5.46E-05	4.91E-06	1.08E-05	4.01E-05	3.53E-06	1.23E-06	7.02E-06	8.38E-07	1.12E-06	3.68E-06	2.54E-07
3495	469487.34	3819310.56	1.33E-05	5.57E-05	5.02E-06	1.11E-05	4.09E-05	3.60E-06	1.25E-06	7.17E-06	8.56E-07	1.14E-06	3.76E-06	2.59E-07
3496	469487.14	3819320.21	1.35E-05	5.69E-05	5.12E-06	1.13E-05	4.18E-05	3.68E-06	1.28E-06	7.32E-06	8.74E-07	1.16E-06	3.83E-06	2.64E-07
3497	469486.95	3819329.86	1.38E-05	5.81E-05	5.23E-06	1.15E-05	4.27E-05	3.75E-06	1.31E-06	7.47E-06	8.92E-07	1.19E-06	3.91E-06	2.70E-07
3498	469486.76	3819339.51	1.41E-05	5.93E-05	5.34E-06	1.18E-05	4.36E-05	3.83E-06	1.33E-06	7.63E-06	9.11E-07	1.21E-06	4.00E-06	2.76E-07
3499	469486.56	3819349.15	1.44E-05	6.06E-05	5.46E-06	1.20E-05	4.45E-05	3.92E-06	1.36E-06	7.80E-06	9.31E-07	1.24E-06	4.09E-06	2.82E-07
3500	469486.37	3819358.8	1.48E-05	6.20E-05	5.58E-06	1.23E-05	4.55E-05	4.01E-06	1.39E-06	7.98E-06	9.52E-07	1.27E-06	4.18E-06	2.88E-07
3501	469486.18	3819368.45	1.51E-05	6.34E-05	5.71E-06	1.26E-05	4.66E-05	4.10E-06	1.43E-06	8.17E-06	9.74E-07	1.30E-06	4.28E-06	2.95E-07
3502	469485.98	3819378.1	1.55E-05	6.50E-05	5.85E-06	1.29E-05	4.77E-05	4.20E-06	1.46E-06	8.36E-06	9.98E-07	1.33E-06	4.38E-06	3.02E-07
3503	469485.79	3819387.75	1.59E-05	6.66E-05	5.99E-06	1.32E-05	4.89E-05	4.30E-06	1.50E-06	8.57E-06	1.02E-06	1.36E-06	4.49E-06	3.09E-07
3504	469485.6	3819397.4	1.63E-05	6.83E-05	6.15E-06	1.35E-05	5.02E-05	4.41E-06	1.53E-06	8.79E-06	1.05E-06	1.40E-06	4.60E-06	3.17E-07
3505	469485.4	3819407.04	1.67E-05	7.00E-05	6.31E-06	1.39E-05	5.15E-05	4.53E-06	1.57E-06	9.01E-06	1.08E-06	1.43E-06	4.72E-06	3.25E-07
3506	469485.21	3819416.69	1.71E-05	7.19E-05	6.47E-06	1.43E-05	5.28E-05	4.65E-06	1.62E-06	9.25E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
3507	469485.02	3819426.34	1.76E-05	7.38E-05	6.65E-06	1.46E-05	5.43E-05	4.77E-06	1.66E-06	9.51E-06	1.13E-06	1.51E-06	4.98E-06	3.43E-07
3508	469484.82	3819435.99	1.81E-05	7.59E-05	6.83E-06	1.50E-05	5.58E-05	4.90E-06	1.71E-06	9.77E-06	1.17E-06	1.55E-06	5.11E-06	3.53E-07
3509	469502.23	3819101.05	1.12E-05	4.70E-05	4.24E-06	9.33E-06	3.46E-05	3.04E-06	1.06E-06	6.05E-06	7.22E-07	9.61E-07	3.17E-06	2.19E-07
3510	469506.03	3819092.35	1.14E-05	4.79E-05	4.31E-06	9.50E-06	3.52E-05	3.09E-06	1.08E-06	6.16E-06	7.35E-07	9.79E-07	3.23E-06	2.22E-07
3511	469509.83	3819083.64	1.18E-05	4.96E-05	4.47E-06	9.85E-06	3.65E-05	3.21E-06	1.12E-06	6.39E-06	7.62E-07	1.01E-06	3.35E-06	2.31E-07
3512	469513.62	3819074.94	1.18E-05	4.98E-05	4.48E-06	9.87E-06	3.66E-05	3.22E-06	1.12E-06	6.41E-06	7.64E-07	1.02E-06	3.35E-06	2.31E-07
3513	469517.42	3819066.23	1.21E-05	5.07E-05	4.56E-06	1.01E-05	3.72E-05	3.28E-06	1.14E-06	6.52E-06	7.79E-07	1.04E-06	3.42E-06	2.36E-07
3514	469521.21	3819057.53	1.23E-05	5.17E-05	4.66E-06	1.03E-05	3.80E-05	3.34E-06	1.16E-06	6.65E-06	7.94E-07	1.06E-06	3.48E-06	2.40E-07
3515	469525.01	3819048.82	1.26E-05	5.28E-05	4.75E-06	1.05E-05	3.88E-05	3.41E-06	1.19E-06	6.80E-06	8.11E-07	1.08E-06	3.56E-06	2.45E-07
3516	469528.81	3819040.12	1.28E-05	5.39E-05	4.86E-06	1.07E-05	3.96E-05	3.49E-06	1.21E-06	6.94E-06	8.28E-07	1.10E-06	3.63E-06	2.51E-07
3517	469532.6	3819031.41	1.31E-05	5.51E-05	4.96E-06	1.09E-05	4.05E-05	3.56E-06	1.24E-06	7.09E-06	8.46E-07	1.13E-06	3.71E-06	2.56E-07
3518	469536.4	3819022.71	1.34E-05	5.62E-05	5.06E-06	1.11E-05	4.13E-05	3.63E-06	1.26E-06	7.23E-06	8.63E-07	1.15E-06	3.79E-06	2.61E-07
3519	469540.2	3819014	1.37E-05	5.74E-05	5.17E-06	1.14E-05	4.21E-05	3.71E-06	1.29E-06	7.38E-06	8.81E-07	1.17E-06	3.87E-06	2.66E-07
3520	469543.99	3819005.3	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.32E-06	7.53E-06	8.99E-07	1.20E-06	3.94E-06	2.72E-07
3521	469547.79	3818996.59	1.42E-05	5.97E-05	5.38E-06	1.18E-05	4.39E-05	3.86E-06	1.34E-06	7.69E-06	9.18E-07	1.22E-06	4.03E-06	2.78E-07
3522	469551.59	3818987.89	1.45E-05	6.10E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.85E-06	9.37E-07	1.25E-06	4.11E-06	2.83E-07

3523	469555.38	3818979.18	1.48E-05	6.23E-05	5.61E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.02E-06	9.57E-07	1.27E-06	4.20E-06	2.89E-07
3524	469559.18	3818970.48	1.51E-05	6.36E-05	5.72E-06	1.26E-05	4.67E-05	4.11E-06	1.43E-06	8.18E-06	9.76E-07	1.30E-06	4.28E-06	2.95E-07
3525	469562.98	3818961.77	1.54E-05	6.48E-05	5.84E-06	1.29E-05	4.76E-05	4.19E-06	1.46E-06	8.35E-06	9.96E-07	1.33E-06	4.37E-06	3.01E-07
3526	469566.77	3818953.07	1.57E-05	6.61E-05	5.95E-06	1.31E-05	4.85E-05	4.27E-06	1.49E-06	8.50E-06	1.01E-06	1.35E-06	4.45E-06	3.07E-07
3527	469570.57	3818944.36	1.60E-05	6.72E-05	6.05E-06	1.33E-05	4.94E-05	4.34E-06	1.51E-06	8.65E-06	1.03E-06	1.37E-06	4.53E-06	3.12E-07
3528	469574.36	3818935.66	1.63E-05	6.83E-05	6.15E-06	1.36E-05	5.02E-05	4.42E-06	1.54E-06	8.80E-06	1.05E-06	1.40E-06	4.61E-06	3.17E-07
3529	469578.16	3818926.95	1.65E-05	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.49E-06	1.56E-06	8.94E-06	1.07E-06	1.42E-06	4.68E-06	3.23E-07
3530	469646.5	3818770.26	1.98E-05	8.32E-05	7.49E-06	1.65E-05	6.11E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.60E-06	3.86E-07
3531	469659.12	3818758.06	2.03E-05	8.54E-05	7.69E-06	1.69E-05	6.27E-05	5.52E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.75E-06	3.97E-07
3532	469667.95	3818754.56	2.08E-05	8.73E-05	7.86E-06	1.73E-05	6.42E-05	5.65E-06	1.96E-06	1.12E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
3533	469676.78	3818751.06	2.13E-05	8.93E-05	8.04E-06	1.77E-05	6.56E-05	5.77E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.02E-06	4.15E-07
3534	469712.1	3818737.07	2.32E-05	9.73E-05	8.76E-06	1.93E-05	7.15E-05	6.29E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.56E-06	4.52E-07
3535	469720.93	3818733.58	2.36E-05	9.92E-05	8.93E-06	1.97E-05	7.29E-05	6.41E-06	2.23E-06	1.28E-05	1.52E-06	2.03E-06	6.69E-06	4.61E-07
3536	469729.76	3818730.08	2.41E-05	1.01E-04	9.10E-06	2.00E-05	7.43E-05	6.53E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.81E-06	4.70E-07
3537	469738.59	3818726.58	2.45E-05	1.03E-04	9.27E-06	2.04E-05	7.56E-05	6.65E-06	2.31E-06	1.33E-05	1.58E-06	2.10E-06	6.94E-06	4.78E-07
3538	469747.42	3818723.08	2.50E-05	1.05E-04	9.44E-06	2.08E-05	7.70E-05	6.77E-06	2.36E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.87E-07
3539	469756.25	3818719.59	2.54E-05	1.07E-04	9.60E-06	2.11E-05	7.83E-05	6.89E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.18E-06	4.95E-07
3540	469765.08	3818716.09	2.58E-05	1.08E-04	9.75E-06	2.15E-05	7.95E-05	7.00E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.29E-06	5.03E-07
3541	469773.91	3818712.59	2.62E-05	1.10E-04	9.89E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.25E-06	7.40E-06	5.10E-07
3542	469782.74	3818709.1	2.66E-05	1.12E-04	1.00E-05	2.21E-05	8.19E-05	7.21E-06	2.51E-06	1.44E-05	1.71E-06	2.28E-06	7.52E-06	5.18E-07
3543	469791.57	3818705.6	2.70E-05	1.13E-04	1.02E-05	2.25E-05	8.32E-05	7.32E-06	2.55E-06	1.46E-05	1.74E-06	2.31E-06	7.63E-06	5.26E-07
3544	469800.4	3818702.1	2.74E-05	1.15E-04	1.03E-05	2.28E-05	8.44E-05	7.43E-06	2.58E-06	1.48E-05	1.76E-06	2.35E-06	7.75E-06	5.34E-07
3545	469809.23	3818698.6	2.78E-05	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.53E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
3546	469818.06	3818695.11	2.81E-05	1.18E-04	1.06E-05	2.34E-05	8.67E-05	7.63E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.95E-06	5.48E-07
3547	469826.89	3818691.61	2.84E-05	1.19E-04	1.08E-05	2.37E-05	8.78E-05	7.72E-06	2.69E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
3548	469835.72	3818688.11	2.88E-05	1.21E-04	1.09E-05	2.40E-05	8.88E-05	7.81E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.14E-06	5.61E-07
3549	469844.55	3818684.62	2.91E-05	1.22E-04	1.10E-05	2.42E-05	8.98E-05	7.90E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.24E-06	5.68E-07
3550	469853.38	3818681.12	2.94E-05	1.23E-04	1.11E-05	2.45E-05	9.07E-05	7.98E-06	2.78E-06	1.59E-05	1.90E-06	2.52E-06	8.32E-06	5.74E-07
3551	469862.21	3818677.62	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.17E-05	8.06E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.41E-06	5.80E-07
3552	469871.04	3818674.12	3.00E-05	1.26E-04	1.13E-05	2.50E-05	9.26E-05	8.14E-06	2.83E-06	1.62E-05	1.94E-06	2.58E-06	8.49E-06	5.85E-07
3553	469879.87	3818670.63	3.03E-05	1.27E-04	1.15E-05	2.52E-05	9.35E-05	8.23E-06	2.86E-06	1.64E-05	1.95E-06	2.60E-06	8.58E-06	5.91E-07
3554	469888.69	3818667.13	3.06E-05	1.28E-04	1.16E-05	2.55E-05	9.44E-05	8.30E-06	2.89E-06	1.65E-05	1.97E-06	2.63E-06	8.66E-06	5.97E-07
3555	469897.52	3818663.63	3.09E-05	1.30E-04	1.17E-05	2.57E-05	9.52E-05	8.37E-06	2.91E-06	1.67E-05	1.99E-06	2.65E-06	8.73E-06	6.02E-07
3556	469906.35	3818660.14	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.60E-05	8.45E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.81E-06	6.07E-07
3557	469915.18	3818656.64	3.14E-05	1.32E-04	1.19E-05	2.61E-05	9.69E-05	8.52E-06	2.96E-06	1.70E-05	2.02E-06	2.70E-06	8.89E-06	6.13E-07
3558	469950.5	3818642.65	3.24E-05	1.36E-04	1.22E-05	2.70E-05	9.99E-05	8.79E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.17E-06	6.32E-07
3559	469959.33	3818639.15	3.26E-05	1.37E-04	1.23E-05	2.72E-05	1.01E-04	8.85E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.23E-06	6.36E-07
3560	469968.16	3818635.66	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.90E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.40E-07
3561	469976.99	3818632.16	3.30E-05	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.96E-06	3.12E-06	1.78E-05	2.13E-06	2.83E-06	9.34E-06	6.44E-07
3562	469985.82	3818628.66	3.32E-05	1.39E-04	1.26E-05	2.77E-05	1.02E-04	9.01E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
3563	469994.65	3818625.17	3.34E-05	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.07E-06	3.15E-06	1.81E-05	2.15E-06	2.87E-06	9.46E-06	6.52E-07
3564	470003.48	3818621.67	3.36E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.12E-06	3.17E-06	1.82E-05	2.17E-06	2.88E-06	9.51E-06	6.56E-07
3565	470012.31	3818618.17	3.38E-05	1.42E-04	1.28E-05	2.81E-05	1.04E-04	9.17E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.56E-06	6.59E-07

3566	470021.14	3818614.67	3.40E-05	1.43E-04	1.28E-05	2.83E-05	1.05E-04	9.22E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.61E-06	6.63E-07
3567	470029.97	3818611.18	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.26E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.66E-06	6.66E-07
3568	470038.8	3818607.68	3.43E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.31E-06	3.24E-06	1.85E-05	2.21E-06	2.94E-06	9.70E-06	6.69E-07
3569	470047.63	3818604.18	3.44E-05	1.45E-04	1.30E-05	2.87E-05	1.06E-04	9.34E-06	3.25E-06	1.86E-05	2.22E-06	2.95E-06	9.74E-06	6.72E-07
3570	470056.46	3818600.69	3.45E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.38E-06	3.26E-06	1.87E-05	2.23E-06	2.97E-06	9.78E-06	6.74E-07
3571	470065.29	3818597.19	3.46E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.41E-06	3.27E-06	1.87E-05	2.23E-06	2.97E-06	9.81E-06	6.76E-07
3572	470074.12	3818593.69	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.42E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.77E-07
3573	470082.95	3818590.19	3.48E-05	1.46E-04	1.31E-05	2.90E-05	1.07E-04	9.44E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.84E-06	6.78E-07
3574	470091.78	3818586.7	3.48E-05	1.46E-04	1.32E-05	2.90E-05	1.07E-04	9.44E-06	3.28E-06	1.88E-05	2.24E-06	2.99E-06	9.84E-06	6.79E-07
3575	470100.61	3818583.2	3.48E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.43E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.84E-06	6.78E-07
3576	470109.44	3818579.7	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.41E-06	3.27E-06	1.87E-05	2.24E-06	2.98E-06	9.81E-06	6.77E-07
3577	469448.7	3819242.22	1.05E-05	4.40E-05	3.96E-06	8.73E-06	3.23E-05	2.85E-06	9.90E-07	5.67E-06	6.76E-07	9.00E-07	2.97E-06	2.05E-07
3578	469448.5	3819251.87	1.06E-05	4.46E-05	4.02E-06	8.85E-06	3.28E-05	2.88E-06	1.00E-06	5.74E-06	6.85E-07	9.12E-07	3.01E-06	2.07E-07
3579	469448.31	3819261.52	1.08E-05	4.52E-05	4.07E-06	8.97E-06	3.32E-05	2.92E-06	1.02E-06	5.82E-06	6.95E-07	9.25E-07	3.05E-06	2.10E-07
3580	469448.12	3819271.17	1.09E-05	4.59E-05	4.14E-06	9.11E-06	3.37E-05	2.97E-06	1.03E-06	5.91E-06	7.05E-07	9.39E-07	3.10E-06	2.13E-07
3581	469447.92	3819280.82	1.11E-05	4.66E-05	4.20E-06	9.25E-06	3.43E-05	3.02E-06	1.05E-06	6.00E-06	7.16E-07	9.54E-07	3.14E-06	2.17E-07
3582	469447.73	3819290.46	1.13E-05	4.75E-05	4.28E-06	9.42E-06	3.49E-05	3.07E-06	1.07E-06	6.11E-06	7.29E-07	9.70E-07	3.20E-06	2.21E-07
3583	469447.54	3819300.11	1.15E-05	4.84E-05	4.36E-06	9.59E-06	3.55E-05	3.13E-06	1.09E-06	6.23E-06	7.43E-07	9.89E-07	3.26E-06	2.25E-07
3584	469447.34	3819309.76	1.17E-05	4.93E-05	4.44E-06	9.78E-06	3.63E-05	3.19E-06	1.11E-06	6.35E-06	7.58E-07	1.01E-06	3.33E-06	2.29E-07
3585	469447.15	3819319.41	1.20E-05	5.03E-05	4.53E-06	9.98E-06	3.70E-05	3.25E-06	1.13E-06	6.48E-06	7.73E-07	1.03E-06	3.39E-06	2.34E-07
3586	469446.96	3819329.06	1.22E-05	5.13E-05	4.62E-06	1.02E-05	3.77E-05	3.32E-06	1.15E-06	6.61E-06	7.88E-07	1.05E-06	3.46E-06	2.38E-07
3587	469446.76	3819338.71	1.25E-05	5.23E-05	4.71E-06	1.04E-05	3.85E-05	3.38E-06	1.18E-06	6.74E-06	8.04E-07	1.07E-06	3.53E-06	2.43E-07
3588	469446.57	3819348.35	1.27E-05	5.34E-05	4.81E-06	1.06E-05	3.93E-05	3.45E-06	1.20E-06	6.88E-06	8.21E-07	1.09E-06	3.60E-06	2.48E-07
3589	469446.38	3819358	1.30E-05	5.46E-05	4.92E-06	1.08E-05	4.01E-05	3.53E-06	1.23E-06	7.03E-06	8.38E-07	1.12E-06	3.68E-06	2.54E-07
3590	469446.18	3819367.65	1.33E-05	5.58E-05	5.02E-06	1.11E-05	4.10E-05	3.61E-06	1.25E-06	7.18E-06	8.57E-07	1.14E-06	3.76E-06	2.59E-07
3591	469445.99	3819377.3	1.36E-05	5.71E-05	5.14E-06	1.13E-05	4.19E-05	3.69E-06	1.28E-06	7.35E-06	8.77E-07	1.17E-06	3.85E-06	2.65E-07
3592	469445.8	3819386.95	1.39E-05	5.84E-05	5.26E-06	1.16E-05	4.29E-05	3.77E-06	1.31E-06	7.52E-06	8.97E-07	1.19E-06	3.94E-06	2.71E-07
3593	469445.6	3819396.59	1.42E-05	5.98E-05	5.38E-06	1.19E-05	4.39E-05	3.86E-06	1.34E-06	7.69E-06	9.18E-07	1.22E-06	4.03E-06	2.78E-07
3594	469445.41	3819406.24	1.46E-05	6.12E-05	5.51E-06	1.21E-05	4.50E-05	3.96E-06	1.38E-06	7.88E-06	9.40E-07	1.25E-06	4.13E-06	2.84E-07
3595	469445.22	3819415.89	1.49E-05	6.27E-05	5.65E-06	1.24E-05	4.61E-05	4.05E-06	1.41E-06	8.07E-06	9.63E-07	1.28E-06	4.23E-06	2.91E-07
3596	469445.03	3819425.54	1.53E-05	6.43E-05	5.79E-06	1.27E-05	4.72E-05	4.16E-06	1.45E-06	8.28E-06	9.87E-07	1.31E-06	4.33E-06	2.99E-07
3597	469444.83	3819435.19	1.57E-05	6.59E-05	5.94E-06	1.31E-05	4.85E-05	4.26E-06	1.48E-06	8.49E-06	1.01E-06	1.35E-06	4.44E-06	3.06E-07
3598	469454.82	3819117.27	9.47E-06	3.98E-05	3.58E-06	7.89E-06	2.92E-05	2.57E-06	8.94E-07	5.12E-06	6.11E-07	8.13E-07	2.68E-06	1.85E-07
3599	469458.63	3819108.53	9.60E-06	4.03E-05	3.63E-06	7.99E-06	2.96E-05	2.61E-06	9.06E-07	5.19E-06	6.19E-07	8.24E-07	2.72E-06	1.87E-07
3600	469462.44	3819099.79	9.74E-06	4.09E-05	3.68E-06	8.11E-06	3.01E-05	2.64E-06	9.20E-07	5.27E-06	6.28E-07	8.36E-07	2.76E-06	1.90E-07
3601	469466.25	3819091.05	9.90E-06	4.16E-05	3.74E-06	8.24E-06	3.05E-05	2.69E-06	9.34E-07	5.35E-06	6.38E-07	8.49E-07	2.80E-06	1.93E-07
3602	469470.06	3819082.32	1.01E-05	4.22E-05	3.80E-06	8.38E-06	3.10E-05	2.73E-06	9.50E-07	5.44E-06	6.49E-07	8.64E-07	2.85E-06	1.96E-07
3603	469473.87	3819073.58	1.02E-05	4.30E-05	3.87E-06	8.52E-06	3.16E-05	2.78E-06	9.66E-07	5.53E-06	6.60E-07	8.78E-07	2.90E-06	2.00E-07
3604	469477.68	3819064.84	1.04E-05	4.38E-05	3.95E-06	8.69E-06	3.22E-05	2.83E-06	9.85E-07	5.64E-06	6.73E-07	8.96E-07	2.95E-06	2.04E-07
3605	469500.55	3819012.41	1.18E-05	4.96E-05	4.47E-06	9.84E-06	3.65E-05	3.21E-06	1.12E-06	6.39E-06	7.62E-07	1.01E-06	3.34E-06	2.31E-07
3606	469504.36	3819003.67	1.21E-05	5.06E-05	4.56E-06	1.00E-05	3.72E-05	3.27E-06	1.14E-06	6.51E-06	7.77E-07	1.03E-06	3.41E-06	2.35E-07
3607	469508.17	3818994.93	1.23E-05	5.16E-05	4.65E-06	1.02E-05	3.79E-05	3.34E-06	1.16E-06	6.64E-06	7.93E-07	1.06E-06	3.48E-06	2.40E-07
3608	469511.98	3818986.2	1.25E-05	5.26E-05	4.74E-06	1.04E-05	3.87E-05	3.40E-06	1.18E-06	6.78E-06	8.09E-07	1.08E-06	3.55E-06	2.45E-07

3609	469515.79	3818977.46	1.28E-05	5.38E-05	4.84E-06	1.07E-05	3.95E-05	3.48E-06	1.21E-06	6.92E-06	8.26E-07	1.10E-06	3.62E-06	2.50E-07
3610	469519.6	3818968.72	1.31E-05	5.49E-05	4.94E-06	1.09E-05	4.03E-05	3.55E-06	1.23E-06	7.07E-06	8.43E-07	1.12E-06	3.70E-06	2.55E-07
3611	469523.41	3818959.98	1.33E-05	5.60E-05	5.04E-06	1.11E-05	4.11E-05	3.62E-06	1.26E-06	7.21E-06	8.60E-07	1.14E-06	3.77E-06	2.60E-07
3612	469527.23	3818951.24	1.36E-05	5.71E-05	5.14E-06	1.13E-05	4.20E-05	3.69E-06	1.28E-06	7.35E-06	8.77E-07	1.17E-06	3.85E-06	2.65E-07
3613	469531.04	3818942.51	1.39E-05	5.82E-05	5.24E-06	1.15E-05	4.27E-05	3.76E-06	1.31E-06	7.49E-06	8.93E-07	1.19E-06	3.92E-06	2.70E-07
3614	469534.85	3818933.77	1.41E-05	5.92E-05	5.33E-06	1.17E-05	4.35E-05	3.83E-06	1.33E-06	7.63E-06	9.10E-07	1.21E-06	3.99E-06	2.75E-07
3615	469538.66	3818925.03	1.44E-05	6.03E-05	5.43E-06	1.20E-05	4.43E-05	3.90E-06	1.36E-06	7.76E-06	9.26E-07	1.23E-06	4.06E-06	2.80E-07
3616	469607.25	3818767.74	1.75E-05	7.35E-05	6.62E-06	1.46E-05	5.40E-05	4.75E-06	1.65E-06	9.47E-06	1.13E-06	1.50E-06	4.96E-06	3.42E-07
3617	469611.06	3818759	1.76E-05	7.39E-05	6.65E-06	1.47E-05	5.43E-05	4.78E-06	1.66E-06	9.51E-06	1.13E-06	1.51E-06	4.98E-06	3.43E-07
3618	469614.87	3818750.27	1.77E-05	7.42E-05	6.68E-06	1.47E-05	5.45E-05	4.80E-06	1.67E-06	9.55E-06	1.14E-06	1.52E-06	5.00E-06	3.45E-07
3619	469618.68	3818741.53	1.78E-05	7.45E-05	6.71E-06	1.48E-05	5.48E-05	4.82E-06	1.68E-06	9.60E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
3620	469631.36	3818729.28	1.83E-05	7.66E-05	6.90E-06	1.52E-05	5.63E-05	4.95E-06	1.72E-06	9.87E-06	1.18E-06	1.57E-06	5.17E-06	3.56E-07
3621	469640.22	3818725.77	1.87E-05	7.84E-05	7.06E-06	1.55E-05	5.76E-05	5.07E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.28E-06	3.64E-07
3622	469649.08	3818722.26	1.91E-05	8.01E-05	7.22E-06	1.59E-05	5.89E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
3623	469657.95	3818718.75	1.95E-05	8.18E-05	7.37E-06	1.62E-05	6.01E-05	5.29E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.52E-06	3.80E-07
3624	469666.81	3818715.24	1.99E-05	8.35E-05	7.52E-06	1.66E-05	6.14E-05	5.40E-06	1.88E-06	1.08E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
3625	469675.67	3818711.73	2.03E-05	8.52E-05	7.67E-06	1.69E-05	6.26E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.74E-06	3.96E-07
3626	469711.13	3818697.69	2.18E-05	9.17E-05	8.26E-06	1.82E-05	6.74E-05	5.93E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.18E-06	4.26E-07
3627	469719.99	3818694.18	2.22E-05	9.32E-05	8.39E-06	1.85E-05	6.85E-05	6.03E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.28E-06	4.33E-07
3628	469728.85	3818690.67	2.26E-05	9.48E-05	8.54E-06	1.88E-05	6.97E-05	6.13E-06	2.13E-06	1.22E-05	1.46E-06	1.94E-06	6.39E-06	4.41E-07
3629	469737.72	3818687.15	2.29E-05	9.64E-05	8.68E-06	1.91E-05	7.08E-05	6.23E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.50E-06	4.48E-07
3630	469746.58	3818683.64	2.33E-05	9.79E-05	8.81E-06	1.94E-05	7.19E-05	6.33E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.60E-06	4.55E-07
3631	469755.44	3818680.13	2.36E-05	9.93E-05	8.94E-06	1.97E-05	7.29E-05	6.42E-06	2.23E-06	1.28E-05	1.52E-06	2.03E-06	6.69E-06	4.61E-07
3632	469764.31	3818676.62	2.40E-05	1.01E-04	9.06E-06	2.00E-05	7.39E-05	6.50E-06	2.26E-06	1.30E-05	1.55E-06	2.06E-06	6.78E-06	4.68E-07
3633	469773.17	3818673.11	2.43E-05	1.02E-04	9.18E-06	2.02E-05	7.49E-05	6.59E-06	2.29E-06	1.31E-05	1.57E-06	2.08E-06	6.87E-06	4.74E-07
3634	469782.03	3818669.6	2.46E-05	1.03E-04	9.30E-06	2.05E-05	7.59E-05	6.68E-06	2.32E-06	1.33E-05	1.59E-06	2.11E-06	6.96E-06	4.80E-07
3635	469790.9	3818666.09	2.49E-05	1.05E-04	9.42E-06	2.07E-05	7.69E-05	6.76E-06	2.35E-06	1.35E-05	1.61E-06	2.14E-06	7.05E-06	4.86E-07
3636	469799.76	3818662.58	2.52E-05	1.06E-04	9.53E-06	2.10E-05	7.78E-05	6.84E-06	2.38E-06	1.36E-05	1.63E-06	2.16E-06	7.14E-06	4.92E-07
3637	469808.62	3818659.07	2.55E-05	1.07E-04	9.64E-06	2.12E-05	7.86E-05	6.92E-06	2.41E-06	1.38E-05	1.64E-06	2.19E-06	7.21E-06	4.97E-07
3638	469817.48	3818655.56	2.58E-05	1.08E-04	9.75E-06	2.15E-05	7.96E-05	7.00E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.30E-06	5.03E-07
3639	469826.35	3818652.05	2.61E-05	1.10E-04	9.87E-06	2.17E-05	8.05E-05	7.08E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.38E-06	5.09E-07
3640	469835.21	3818648.54	2.64E-05	1.11E-04	9.97E-06	2.20E-05	8.14E-05	7.16E-06	2.49E-06	1.43E-05	1.70E-06	2.26E-06	7.46E-06	5.15E-07
3641	469844.07	3818645.03	2.66E-05	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
3642	469852.94	3818641.52	2.69E-05	1.13E-04	1.02E-05	2.24E-05	8.30E-05	7.30E-06	2.54E-06	1.45E-05	1.73E-06	2.31E-06	7.61E-06	5.25E-07
3643	469861.8	3818638.01	2.72E-05	1.14E-04	1.03E-05	2.26E-05	8.38E-05	7.37E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.69E-06	5.30E-07
3644	469870.66	3818634.5	2.74E-05	1.15E-04	1.04E-05	2.28E-05	8.46E-05	7.44E-06	2.59E-06	1.48E-05	1.77E-06	2.35E-06	7.76E-06	5.35E-07
3645	469879.53	3818630.99	2.76E-05	1.16E-04	1.05E-05	2.30E-05	8.53E-05	7.50E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.82E-06	5.39E-07
3646	469888.39	3818627.48	2.79E-05	1.17E-04	1.05E-05	2.32E-05	8.60E-05	7.56E-06	2.63E-06	1.51E-05	1.80E-06	2.39E-06	7.89E-06	5.44E-07
3647	469897.25	3818623.97	2.81E-05	1.18E-04	1.06E-05	2.34E-05	8.66E-05	7.62E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.95E-06	5.48E-07
3648	469906.12	3818620.46	2.83E-05	1.19E-04	1.07E-05	2.36E-05	8.73E-05	7.68E-06	2.67E-06	1.53E-05	1.83E-06	2.43E-06	8.01E-06	5.52E-07
3649	469914.98	3818616.95	2.85E-05	1.20E-04	1.08E-05	2.38E-05	8.80E-05	7.74E-06	2.69E-06	1.54E-05	1.84E-06	2.45E-06	8.07E-06	5.56E-07
3650	469959.3	3818599.4	2.94E-05	1.23E-04	1.11E-05	2.45E-05	9.07E-05	7.98E-06	2.78E-06	1.59E-05	1.90E-06	2.52E-06	8.32E-06	5.73E-07
3651	469968.16	3818595.89	2.96E-05	1.24E-04	1.12E-05	2.46E-05	9.13E-05	8.03E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.37E-06	5.77E-07

3652	469977.02	3818592.38	2.98E-05	1.25E-04	1.13E-05	2.48E-05	9.19E-05	8.09E-06	2.81E-06	1.61E-05	1.92E-06	2.56E-06	8.43E-06	5.81E-07
3653	469985.88	3818588.86	3.00E-05	1.26E-04	1.13E-05	2.50E-05	9.25E-05	8.14E-06	2.83E-06	1.62E-05	1.93E-06	2.57E-06	8.49E-06	5.85E-07
3654	469994.75	3818585.35	3.02E-05	1.27E-04	1.14E-05	2.51E-05	9.31E-05	8.19E-06	2.85E-06	1.63E-05	1.95E-06	2.59E-06	8.54E-06	5.89E-07
3655	470003.61	3818581.84	3.03E-05	1.27E-04	1.15E-05	2.53E-05	9.36E-05	8.24E-06	2.86E-06	1.64E-05	1.96E-06	2.60E-06	8.59E-06	5.92E-07
3656	470012.47	3818578.33	3.05E-05	1.28E-04	1.15E-05	2.54E-05	9.42E-05	8.28E-06	2.88E-06	1.65E-05	1.97E-06	2.62E-06	8.64E-06	5.96E-07
3657	470021.34	3818574.82	3.07E-05	1.29E-04	1.16E-05	2.56E-05	9.47E-05	8.33E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.69E-06	5.99E-07
3658	470030.2	3818571.31	3.08E-05	1.30E-04	1.17E-05	2.57E-05	9.52E-05	8.37E-06	2.91E-06	1.67E-05	1.99E-06	2.65E-06	8.73E-06	6.02E-07
3659	470039.06	3818567.8	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.56E-05	8.41E-06	2.93E-06	1.67E-05	2.00E-06	2.66E-06	8.77E-06	6.04E-07
3660	470047.93	3818564.29	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.59E-05	8.44E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.80E-06	6.07E-07
3661	470056.79	3818560.78	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.62E-05	8.46E-06	2.94E-06	1.69E-05	2.01E-06	2.68E-06	8.83E-06	6.08E-07
3662	470065.65	3818557.27	3.13E-05	1.31E-04	1.18E-05	2.60E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.68E-06	8.85E-06	6.10E-07
3663	470074.52	3818553.76	3.13E-05	1.32E-04	1.18E-05	2.61E-05	9.67E-05	8.51E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.87E-06	6.11E-07
3664	470083.38	3818550.25	3.14E-05	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.52E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
3665	470092.24	3818546.74	3.14E-05	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.52E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
3666	470101.11	3818543.23	3.13E-05	1.32E-04	1.19E-05	2.61E-05	9.67E-05	8.51E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.87E-06	6.11E-07
3667	470109.97	3818539.72	3.13E-05	1.31E-04	1.18E-05	2.60E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.68E-06	8.85E-06	6.10E-07
3668	469408.7	3819241.42	9.36E-06	3.93E-05	3.54E-06	7.79E-06	2.89E-05	2.54E-06	8.84E-07	5.06E-06	6.04E-07	8.03E-07	2.65E-06	1.83E-07
3669	469408.51	3819251.07	9.50E-06	3.99E-05	3.59E-06	7.91E-06	2.93E-05	2.58E-06	8.97E-07	5.14E-06	6.13E-07	8.16E-07	2.69E-06	1.85E-07
3670	469408.32	3819260.72	9.64E-06	4.05E-05	3.65E-06	8.03E-06	2.97E-05	2.62E-06	9.10E-07	5.21E-06	6.22E-07	8.28E-07	2.73E-06	1.88E-07
3671	469408.12	3819270.37	9.78E-06	4.11E-05	3.70E-06	8.15E-06	3.02E-05	2.66E-06	9.24E-07	5.29E-06	6.31E-07	8.40E-07	2.77E-06	1.91E-07
3672	469407.93	3819280.02	9.93E-06	4.17E-05	3.76E-06	8.27E-06	3.07E-05	2.70E-06	9.38E-07	5.37E-06	6.41E-07	8.53E-07	2.81E-06	1.94E-07
3673	469407.74	3819289.66	1.01E-05	4.24E-05	3.82E-06	8.41E-06	3.12E-05	2.74E-06	9.53E-07	5.46E-06	6.51E-07	8.67E-07	2.86E-06	1.97E-07
3674	469407.54	3819299.31	1.03E-05	4.31E-05	3.88E-06	8.55E-06	3.17E-05	2.79E-06	9.69E-07	5.55E-06	6.62E-07	8.81E-07	2.91E-06	2.00E-07
3675	469407.35	3819308.96	1.04E-05	4.39E-05	3.95E-06	8.70E-06	3.22E-05	2.84E-06	9.86E-07	5.65E-06	6.74E-07	8.97E-07	2.96E-06	2.04E-07
3676	469407.16	3819318.61	1.06E-05	4.46E-05	4.02E-06	8.86E-06	3.28E-05	2.89E-06	1.00E-06	5.75E-06	6.86E-07	9.13E-07	3.01E-06	2.07E-07
3677	469406.97	3819328.26	1.08E-05	4.55E-05	4.10E-06	9.02E-06	3.34E-05	2.94E-06	1.02E-06	5.86E-06	6.99E-07	9.30E-07	3.07E-06	2.11E-07
3678	469406.77	3819337.91	1.10E-05	4.64E-05	4.18E-06	9.20E-06	3.41E-05	3.00E-06	1.04E-06	5.97E-06	7.12E-07	9.48E-07	3.13E-06	2.15E-07
3679	469406.58	3819347.55	1.13E-05	4.73E-05	4.26E-06	9.38E-06	3.47E-05	3.06E-06	1.06E-06	6.09E-06	7.26E-07	9.66E-07	3.19E-06	2.20E-07
3680	469406.39	3819357.2	1.15E-05	4.83E-05	4.35E-06	9.58E-06	3.55E-05	3.12E-06	1.09E-06	6.22E-06	7.42E-07	9.88E-07	3.26E-06	2.25E-07
3681	469406.19	3819366.85	1.18E-05	4.94E-05	4.45E-06	9.80E-06	3.63E-05	3.19E-06	1.11E-06	6.36E-06	7.59E-07	1.01E-06	3.33E-06	2.30E-07
3682	469406	3819376.5	1.20E-05	5.05E-05	4.55E-06	1.00E-05	3.71E-05	3.27E-06	1.14E-06	6.50E-06	7.76E-07	1.03E-06	3.41E-06	2.35E-07
3683	469405.81	3819386.15	1.23E-05	5.16E-05	4.65E-06	1.02E-05	3.79E-05	3.34E-06	1.16E-06	6.65E-06	7.93E-07	1.06E-06	3.48E-06	2.40E-07
3684	469405.61	3819395.79	1.26E-05	5.28E-05	4.75E-06	1.05E-05	3.88E-05	3.41E-06	1.19E-06	6.79E-06	8.10E-07	1.08E-06	3.56E-06	2.45E-07
3685	469405.42	3819405.44	1.28E-05	5.40E-05	4.86E-06	1.07E-05	3.97E-05	3.49E-06	1.21E-06	6.95E-06	8.29E-07	1.10E-06	3.64E-06	2.51E-07
3686	469405.23	3819415.09	1.31E-05	5.52E-05	4.97E-06	1.10E-05	4.06E-05	3.57E-06	1.24E-06	7.11E-06	8.48E-07	1.13E-06	3.72E-06	2.57E-07
3687	469405.03	3819424.74	1.35E-05	5.65E-05	5.09E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.27E-06	8.68E-07	1.16E-06	3.81E-06	2.63E-07
3688	469404.84	3819434.39	1.38E-05	5.79E-05	5.21E-06	1.15E-05	4.25E-05	3.74E-06	1.30E-06	7.45E-06	8.89E-07	1.18E-06	3.90E-06	2.69E-07
3689	469375.13	3819114.99	7.46E-06	3.13E-05	2.82E-06	6.21E-06	2.30E-05	2.02E-06	7.04E-07	4.03E-06	4.81E-07	6.40E-07	2.11E-06	1.45E-07
3690	469378.97	3819106.2	7.53E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.11E-07	4.07E-06	4.86E-07	6.47E-07	2.13E-06	1.47E-07
3691	469382.8	3819097.4	7.62E-06	3.20E-05	2.88E-06	6.35E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.92E-07	6.55E-07	2.16E-06	1.49E-07
3692	469386.64	3819088.61	7.73E-06	3.24E-05	2.92E-06	6.44E-06	2.38E-05	2.10E-06	7.30E-07	4.18E-06	4.98E-07	6.63E-07	2.19E-06	1.51E-07
3693	469390.47	3819079.81	7.84E-06	3.29E-05	2.96E-06	6.53E-06	2.42E-05	2.13E-06	7.40E-07	4.24E-06	5.05E-07	6.73E-07	2.22E-06	1.53E-07
3694	469394.31	3819071.02	7.94E-06	3.34E-05	3.00E-06	6.62E-06	2.45E-05	2.16E-06	7.50E-07	4.29E-06	5.12E-07	6.82E-07	2.25E-06	1.55E-07

3695	469398.14	3819062.22	8.05E-06	3.38E-05	3.04E-06	6.70E-06	2.48E-05	2.18E-06	7.60E-07	4.35E-06	5.19E-07	6.91E-07	2.28E-06	1.57E-07
3696	469401.98	3819053.43	8.17E-06	3.43E-05	3.09E-06	6.80E-06	2.52E-05	2.22E-06	7.71E-07	4.42E-06	5.27E-07	7.01E-07	2.31E-06	1.59E-07
3697	469405.81	3819044.63	8.30E-06	3.48E-05	3.14E-06	6.91E-06	2.56E-05	2.25E-06	7.84E-07	4.49E-06	5.35E-07	7.12E-07	2.35E-06	1.62E-07
3698	469409.65	3819035.84	8.45E-06	3.55E-05	3.20E-06	7.04E-06	2.61E-05	2.29E-06	7.98E-07	4.57E-06	5.45E-07	7.26E-07	2.39E-06	1.65E-07
3699	469413.48	3819027.05	8.62E-06	3.62E-05	3.26E-06	7.18E-06	2.66E-05	2.34E-06	8.14E-07	4.66E-06	5.56E-07	7.40E-07	2.44E-06	1.68E-07
3700	469417.32	3819018.25	8.79E-06	3.69E-05	3.33E-06	7.32E-06	2.71E-05	2.39E-06	8.30E-07	4.75E-06	5.67E-07	7.55E-07	2.49E-06	1.72E-07
3701	469421.16	3819009.46	8.97E-06	3.77E-05	3.39E-06	7.47E-06	2.77E-05	2.44E-06	8.47E-07	4.85E-06	5.79E-07	7.70E-07	2.54E-06	1.75E-07
3702	469424.99	3819000.66	9.16E-06	3.85E-05	3.46E-06	7.63E-06	2.83E-05	2.49E-06	8.65E-07	4.95E-06	5.91E-07	7.86E-07	2.59E-06	1.79E-07
3703	469428.83	3818991.87	9.35E-06	3.93E-05	3.54E-06	7.79E-06	2.89E-05	2.54E-06	8.83E-07	5.06E-06	6.03E-07	8.03E-07	2.65E-06	1.82E-07
3704	469432.66	3818983.07	9.54E-06	4.01E-05	3.61E-06	7.95E-06	2.95E-05	2.59E-06	9.01E-07	5.16E-06	6.16E-07	8.19E-07	2.70E-06	1.86E-07
3705	469436.5	3818974.28	9.73E-06	4.09E-05	3.68E-06	8.11E-06	3.00E-05	2.64E-06	9.19E-07	5.26E-06	6.28E-07	8.35E-07	2.75E-06	1.90E-07
3706	469440.33	3818965.48	9.92E-06	4.17E-05	3.75E-06	8.26E-06	3.06E-05	2.69E-06	9.37E-07	5.36E-06	6.40E-07	8.52E-07	2.81E-06	1.94E-07
3707	469444.17	3818956.69	1.01E-05	4.25E-05	3.83E-06	8.43E-06	3.12E-05	2.75E-06	9.55E-07	5.47E-06	6.53E-07	8.69E-07	2.86E-06	1.97E-07
3708	469448	3818947.89	1.03E-05	4.34E-05	3.91E-06	8.60E-06	3.19E-05	2.80E-06	9.75E-07	5.58E-06	6.66E-07	8.87E-07	2.92E-06	2.02E-07
3709	469451.84	3818939.1	1.05E-05	4.43E-05	3.99E-06	8.78E-06	3.25E-05	2.86E-06	9.95E-07	5.70E-06	6.80E-07	9.05E-07	2.98E-06	2.06E-07
3710	469455.67	3818930.31	1.07E-05	4.51E-05	4.06E-06	8.95E-06	3.32E-05	2.92E-06	1.01E-06	5.81E-06	6.93E-07	9.23E-07	3.04E-06	2.10E-07
3711	469459.51	3818921.51	1.10E-05	4.60E-05	4.14E-06	9.12E-06	3.38E-05	2.97E-06	1.03E-06	5.92E-06	7.07E-07	9.40E-07	3.10E-06	2.14E-07
3712	469463.35	3818912.72	1.12E-05	4.68E-05	4.22E-06	9.29E-06	3.44E-05	3.03E-06	1.05E-06	6.03E-06	7.20E-07	9.58E-07	3.16E-06	2.18E-07
3713	469467.18	3818903.92	1.14E-05	4.77E-05	4.30E-06	9.46E-06	3.50E-05	3.08E-06	1.07E-06	6.14E-06	7.33E-07	9.75E-07	3.21E-06	2.22E-07
3714	469471.02	3818895.13	1.16E-05	4.85E-05	4.37E-06	9.62E-06	3.57E-05	3.14E-06	1.09E-06	6.25E-06	7.45E-07	9.92E-07	3.27E-06	2.25E-07
3715	469474.85	3818886.33	1.17E-05	4.93E-05	4.44E-06	9.78E-06	3.62E-05	3.19E-06	1.11E-06	6.35E-06	7.57E-07	1.01E-06	3.32E-06	2.29E-07
3716	469478.69	3818877.54	1.19E-05	5.01E-05	4.51E-06	9.93E-06	3.68E-05	3.24E-06	1.13E-06	6.45E-06	7.69E-07	1.02E-06	3.38E-06	2.33E-07
3717	469482.52	3818868.74	1.21E-05	5.08E-05	4.58E-06	1.01E-05	3.73E-05	3.29E-06	1.14E-06	6.54E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
3718	469547.72	3818719.24	1.43E-05	5.99E-05	5.40E-06	1.19E-05	4.40E-05	3.87E-06	1.35E-06	7.71E-06	9.20E-07	1.22E-06	4.04E-06	2.78E-07
3719	469551.56	3818710.44	1.44E-05	6.03E-05	5.43E-06	1.20E-05	4.43E-05	3.90E-06	1.36E-06	7.76E-06	9.26E-07	1.23E-06	4.06E-06	2.80E-07
3720	469555.39	3818701.65	1.44E-05	6.06E-05	5.46E-06	1.20E-05	4.46E-05	3.92E-06	1.36E-06	7.81E-06	9.31E-07	1.24E-06	4.09E-06	2.82E-07
3721	469559.23	3818692.85	1.45E-05	6.10E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.85E-06	9.37E-07	1.25E-06	4.11E-06	2.83E-07
3722	469563.07	3818684.06	1.46E-05	6.13E-05	5.52E-06	1.22E-05	4.50E-05	3.96E-06	1.38E-06	7.89E-06	9.41E-07	1.25E-06	4.13E-06	2.85E-07
3723	469575.82	3818671.73	1.49E-05	6.27E-05	5.65E-06	1.24E-05	4.61E-05	4.06E-06	1.41E-06	8.08E-06	9.64E-07	1.28E-06	4.23E-06	2.92E-07
3724	469584.74	3818668.2	1.52E-05	6.40E-05	5.77E-06	1.27E-05	4.70E-05	4.14E-06	1.44E-06	8.24E-06	9.83E-07	1.31E-06	4.32E-06	2.97E-07
3725	469593.66	3818664.66	1.55E-05	6.53E-05	5.88E-06	1.30E-05	4.80E-05	4.22E-06	1.47E-06	8.41E-06	1.00E-06	1.33E-06	4.40E-06	3.03E-07
3726	469602.58	3818661.13	1.59E-05	6.66E-05	6.00E-06	1.32E-05	4.89E-05	4.31E-06	1.50E-06	8.57E-06	1.02E-06	1.36E-06	4.49E-06	3.09E-07
3727	469611.5	3818657.6	1.62E-05	6.79E-05	6.12E-06	1.35E-05	4.99E-05	4.39E-06	1.53E-06	8.74E-06	1.04E-06	1.39E-06	4.58E-06	3.16E-07
3728	469620.42	3818654.07	1.65E-05	6.92E-05	6.23E-06	1.37E-05	5.09E-05	4.47E-06	1.56E-06	8.91E-06	1.06E-06	1.41E-06	4.67E-06	3.22E-07
3729	469629.34	3818650.53	1.68E-05	7.05E-05	6.35E-06	1.40E-05	5.18E-05	4.56E-06	1.58E-06	9.07E-06	1.08E-06	1.44E-06	4.75E-06	3.28E-07
3730	469638.26	3818647	1.71E-05	7.17E-05	6.46E-06	1.42E-05	5.27E-05	4.64E-06	1.61E-06	9.23E-06	1.10E-06	1.47E-06	4.84E-06	3.33E-07
3731	469647.18	3818643.47	1.74E-05	7.30E-05	6.57E-06	1.45E-05	5.36E-05	4.72E-06	1.64E-06	9.39E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
3732	469656.1	3818639.93	1.77E-05	7.41E-05	6.68E-06	1.47E-05	5.45E-05	4.79E-06	1.67E-06	9.54E-06	1.14E-06	1.52E-06	5.00E-06	3.44E-07
3733	469665.02	3818636.4	1.79E-05	7.53E-05	6.78E-06	1.49E-05	5.53E-05	4.87E-06	1.69E-06	9.70E-06	1.16E-06	1.54E-06	5.08E-06	3.50E-07
3734	469673.94	3818632.87	1.82E-05	7.64E-05	6.88E-06	1.52E-05	5.62E-05	4.94E-06	1.72E-06	9.84E-06	1.17E-06	1.56E-06	5.15E-06	3.55E-07
3735	469709.63	3818618.74	1.92E-05	8.08E-05	7.28E-06	1.60E-05	5.94E-05	5.22E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.45E-06	3.75E-07
3736	469718.55	3818615.2	1.95E-05	8.19E-05	7.38E-06	1.62E-05	6.02E-05	5.29E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.52E-06	3.81E-07
3737	469727.47	3818611.67	1.97E-05	8.29E-05	7.46E-06	1.64E-05	6.09E-05	5.36E-06	1.86E-06	1.07E-05	1.27E-06	1.69E-06	5.59E-06	3.85E-07

3738	469780.99	3818590.47	2.11E-05	8.87E-05	7.99E-06	1.76E-05	6.52E-05	5.73E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.98E-06	4.12E-07
3739	469789.91	3818586.94	2.13E-05	8.95E-05	8.06E-06	1.78E-05	6.58E-05	5.79E-06	2.01E-06	1.15E-05	1.38E-06	1.83E-06	6.04E-06	4.16E-07
3740	469798.83	3818583.41	2.15E-05	9.04E-05	8.14E-06	1.79E-05	6.64E-05	5.84E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.09E-06	4.20E-07
3741	469807.75	3818579.87	2.17E-05	9.13E-05	8.22E-06	1.81E-05	6.71E-05	5.90E-06	2.05E-06	1.18E-05	1.40E-06	1.87E-06	6.15E-06	4.24E-07
3742	469816.67	3818576.34	2.19E-05	9.21E-05	8.30E-06	1.83E-05	6.77E-05	5.95E-06	2.07E-06	1.19E-05	1.41E-06	1.88E-06	6.21E-06	4.28E-07
3743	469825.59	3818572.81	2.21E-05	9.29E-05	8.37E-06	1.84E-05	6.83E-05	6.01E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.26E-06	4.32E-07
3744	469834.51	3818569.27	2.23E-05	9.37E-05	8.44E-06	1.86E-05	6.88E-05	6.06E-06	2.11E-06	1.21E-05	1.44E-06	1.91E-06	6.31E-06	4.35E-07
3745	469843.43	3818565.74	2.25E-05	9.44E-05	8.50E-06	1.87E-05	6.94E-05	6.10E-06	2.12E-06	1.22E-05	1.45E-06	1.93E-06	6.36E-06	4.39E-07
3746	469852.35	3818562.21	2.27E-05	9.52E-05	8.57E-06	1.89E-05	6.99E-05	6.15E-06	2.14E-06	1.22E-05	1.46E-06	1.95E-06	6.41E-06	4.42E-07
3747	469861.27	3818558.67	2.28E-05	9.58E-05	8.63E-06	1.90E-05	7.04E-05	6.20E-06	2.16E-06	1.23E-05	1.47E-06	1.96E-06	6.46E-06	4.45E-07
3748	469870.19	3818555.14	2.30E-05	9.65E-05	8.69E-06	1.91E-05	7.09E-05	6.24E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.50E-06	4.48E-07
3749	469879.11	3818551.61	2.31E-05	9.72E-05	8.75E-06	1.93E-05	7.14E-05	6.28E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.55E-06	4.52E-07
3750	469888.03	3818548.08	2.33E-05	9.78E-05	8.81E-06	1.94E-05	7.19E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.55E-07
3751	469896.95	3818544.54	2.34E-05	9.84E-05	8.86E-06	1.95E-05	7.23E-05	6.36E-06	2.21E-06	1.27E-05	1.51E-06	2.01E-06	6.63E-06	4.57E-07
3752	469905.87	3818541.01	2.36E-05	9.90E-05	8.91E-06	1.96E-05	7.27E-05	6.40E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.67E-06	4.60E-07
3753	469914.79	3818537.48	2.37E-05	9.94E-05	8.95E-06	1.97E-05	7.31E-05	6.43E-06	2.24E-06	1.28E-05	1.53E-06	2.03E-06	6.70E-06	4.62E-07
3754	469959.4	3818519.81	2.43E-05	1.02E-04	9.20E-06	2.03E-05	7.51E-05	6.61E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.89E-06	4.75E-07
3755	469968.32	3818516.28	2.45E-05	1.03E-04	9.25E-06	2.04E-05	7.55E-05	6.64E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.93E-06	4.78E-07
3756	469977.24	3818512.75	2.46E-05	1.03E-04	9.31E-06	2.05E-05	7.60E-05	6.68E-06	2.32E-06	1.33E-05	1.59E-06	2.11E-06	6.97E-06	4.80E-07
3757	469986.16	3818509.21	2.48E-05	1.04E-04	9.37E-06	2.06E-05	7.65E-05	6.73E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.01E-06	4.84E-07
3758	469995.08	3818505.68	2.49E-05	1.05E-04	9.43E-06	2.08E-05	7.69E-05	6.77E-06	2.35E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.86E-07
3759	470004	3818502.15	2.50E-05	1.05E-04	9.47E-06	2.09E-05	7.73E-05	6.80E-06	2.36E-06	1.35E-05	1.62E-06	2.15E-06	7.09E-06	4.89E-07
3760	470012.92	3818498.61	2.52E-05	1.06E-04	9.51E-06	2.09E-05	7.76E-05	6.83E-06	2.37E-06	1.36E-05	1.62E-06	2.16E-06	7.12E-06	4.91E-07
3761	470021.84	3818495.08	2.53E-05	1.06E-04	9.55E-06	2.10E-05	7.79E-05	6.86E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.15E-06	4.93E-07
3762	470030.76	3818491.55	2.54E-05	1.07E-04	9.60E-06	2.11E-05	7.83E-05	6.89E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.18E-06	4.95E-07
3763	470039.68	3818488.01	2.55E-05	1.07E-04	9.63E-06	2.12E-05	7.86E-05	6.91E-06	2.41E-06	1.38E-05	1.64E-06	2.19E-06	7.21E-06	4.97E-07
3764	470048.6	3818484.48	2.56E-05	1.07E-04	9.67E-06	2.13E-05	7.89E-05	6.94E-06	2.41E-06	1.38E-05	1.65E-06	2.20E-06	7.24E-06	4.99E-07
3765	470057.52	3818480.95	2.57E-05	1.08E-04	9.71E-06	2.14E-05	7.92E-05	6.97E-06	2.42E-06	1.39E-05	1.66E-06	2.20E-06	7.27E-06	5.01E-07
3766	470066.44	3818477.42	2.58E-05	1.08E-04	9.75E-06	2.15E-05	7.96E-05	7.00E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.30E-06	5.03E-07
3767	470075.36	3818473.88	2.59E-05	1.09E-04	9.78E-06	2.15E-05	7.98E-05	7.02E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.32E-06	5.05E-07
3768	470084.28	3818470.35	2.59E-05	1.09E-04	9.79E-06	2.16E-05	7.99E-05	7.03E-06	2.45E-06	1.40E-05	1.67E-06	2.22E-06	7.33E-06	5.05E-07
3769	470093.2	3818466.82	2.59E-05	1.09E-04	9.80E-06	2.16E-05	7.99E-05	7.03E-06	2.45E-06	1.40E-05	1.67E-06	2.22E-06	7.33E-06	5.05E-07
3770	470102.12	3818463.28	2.59E-05	1.09E-04	9.79E-06	2.16E-05	7.99E-05	7.03E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.33E-06	5.05E-07
3771	469328.72	3819239.82	7.62E-06	3.20E-05	2.88E-06	6.35E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.91E-07	6.54E-07	2.16E-06	1.49E-07
3772	469328.53	3819249.47	7.72E-06	3.24E-05	2.92E-06	6.43E-06	2.38E-05	2.09E-06	7.29E-07	4.17E-06	4.98E-07	6.62E-07	2.18E-06	1.51E-07
3773	469328.33	3819259.12	7.82E-06	3.28E-05	2.96E-06	6.52E-06	2.41E-05	2.12E-06	7.39E-07	4.23E-06	5.05E-07	6.71E-07	2.21E-06	1.53E-07
3774	469328.14	3819268.77	7.93E-06	3.33E-05	3.00E-06	6.61E-06	2.45E-05	2.15E-06	7.49E-07	4.29E-06	5.12E-07	6.81E-07	2.25E-06	1.55E-07
3775	469327.95	3819278.41	8.05E-06	3.38E-05	3.05E-06	6.71E-06	2.48E-05	2.19E-06	7.60E-07	4.35E-06	5.19E-07	6.91E-07	2.28E-06	1.57E-07
3776	469327.75	3819288.06	8.18E-06	3.43E-05	3.09E-06	6.81E-06	2.52E-05	2.22E-06	7.72E-07	4.42E-06	5.27E-07	7.02E-07	2.31E-06	1.60E-07
3777	469327.56	3819297.71	8.32E-06	3.49E-05	3.15E-06	6.93E-06	2.57E-05	2.26E-06	7.85E-07	4.50E-06	5.36E-07	7.14E-07	2.35E-06	1.62E-07
3778	469327.37	3819307.36	8.46E-06	3.55E-05	3.20E-06	7.05E-06	2.61E-05	2.30E-06	7.99E-07	4.57E-06	5.46E-07	7.26E-07	2.40E-06	1.65E-07
3779	469327.17	3819317.01	8.61E-06	3.62E-05	3.26E-06	7.17E-06	2.66E-05	2.34E-06	8.13E-07	4.66E-06	5.55E-07	7.39E-07	2.44E-06	1.68E-07
3780	469326.98	3819326.66	8.76E-06	3.68E-05	3.31E-06	7.30E-06	2.70E-05	2.38E-06	8.27E-07	4.74E-06	5.65E-07	7.52E-07	2.48E-06	1.71E-07

3781	469326.79	3819336.3	8.91E-06	3.74E-05	3.37E-06	7.42E-06	2.75E-05	2.42E-06	8.42E-07	4.82E-06	5.75E-07	7.65E-07	2.52E-06	1.74E-07
3782	469326.59	3819345.95	9.07E-06	3.81E-05	3.43E-06	7.56E-06	2.80E-05	2.46E-06	8.57E-07	4.90E-06	5.85E-07	7.79E-07	2.57E-06	1.77E-07
3783	469326.4	3819355.6	9.24E-06	3.88E-05	3.49E-06	7.69E-06	2.85E-05	2.51E-06	8.72E-07	4.99E-06	5.96E-07	7.93E-07	2.61E-06	1.80E-07
3784	469326.21	3819365.25	9.41E-06	3.95E-05	3.56E-06	7.84E-06	2.90E-05	2.55E-06	8.89E-07	5.09E-06	6.07E-07	8.08E-07	2.66E-06	1.84E-07
3785	469326.02	3819374.9	9.58E-06	4.02E-05	3.62E-06	7.98E-06	2.96E-05	2.60E-06	9.05E-07	5.18E-06	6.18E-07	8.23E-07	2.71E-06	1.87E-07
3786	469325.82	3819384.54	9.77E-06	4.10E-05	3.70E-06	8.14E-06	3.01E-05	2.65E-06	9.23E-07	5.28E-06	6.30E-07	8.39E-07	2.77E-06	1.91E-07
3787	469325.63	3819394.19	9.96E-06	4.18E-05	3.77E-06	8.30E-06	3.07E-05	2.70E-06	9.41E-07	5.39E-06	6.43E-07	8.55E-07	2.82E-06	1.94E-07
3788	469325.44	3819403.84	1.02E-05	4.27E-05	3.84E-06	8.46E-06	3.14E-05	2.76E-06	9.59E-07	5.49E-06	6.55E-07	8.72E-07	2.88E-06	1.98E-07
3789	469325.24	3819413.49	1.04E-05	4.35E-05	3.92E-06	8.64E-06	3.20E-05	2.81E-06	9.79E-07	5.60E-06	6.69E-07	8.90E-07	2.93E-06	2.02E-07
3790	469325.05	3819423.14	1.06E-05	4.44E-05	4.00E-06	8.82E-06	3.27E-05	2.87E-06	9.99E-07	5.72E-06	6.83E-07	9.09E-07	3.00E-06	2.07E-07
3791	469324.86	3819432.79	1.08E-05	4.54E-05	4.09E-06	9.00E-06	3.34E-05	2.93E-06	1.02E-06	5.84E-06	6.97E-07	9.28E-07	3.06E-06	2.11E-07
3792	469295.39	3819112.83	6.01E-06	2.53E-05	2.27E-06	5.01E-06	1.86E-05	1.63E-06	5.68E-07	3.25E-06	3.88E-07	5.16E-07	1.70E-06	1.17E-07
3793	469299.25	3819103.99	6.04E-06	2.54E-05	2.29E-06	5.03E-06	1.86E-05	1.64E-06	5.71E-07	3.27E-06	3.90E-07	5.19E-07	1.71E-06	1.18E-07
3794	469303.1	3819095.15	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.66E-06	5.76E-07	3.30E-06	3.93E-07	5.24E-07	1.73E-06	1.19E-07
3795	469306.96	3819086.31	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.82E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
3796	469310.81	3819077.47	6.22E-06	2.61E-05	2.35E-06	5.19E-06	1.92E-05	1.69E-06	5.88E-07	3.37E-06	4.02E-07	5.34E-07	1.76E-06	1.21E-07
3797	469314.67	3819068.63	6.30E-06	2.65E-05	2.38E-06	5.25E-06	1.94E-05	1.71E-06	5.95E-07	3.41E-06	4.06E-07	5.41E-07	1.78E-06	1.23E-07
3798	469318.52	3819059.79	6.38E-06	2.68E-05	2.41E-06	5.32E-06	1.97E-05	1.73E-06	6.03E-07	3.45E-06	4.12E-07	5.48E-07	1.81E-06	1.25E-07
3799	469322.38	3819050.95	6.48E-06	2.72E-05	2.45E-06	5.39E-06	2.00E-05	1.76E-06	6.11E-07	3.50E-06	4.18E-07	5.56E-07	1.83E-06	1.26E-07
3800	469326.24	3819042.1	6.57E-06	2.76E-05	2.49E-06	5.47E-06	2.03E-05	1.78E-06	6.21E-07	3.55E-06	4.24E-07	5.64E-07	1.86E-06	1.28E-07
3801	469330.09	3819033.26	6.68E-06	2.80E-05	2.53E-06	5.56E-06	2.06E-05	1.81E-06	6.31E-07	3.61E-06	4.31E-07	5.73E-07	1.89E-06	1.30E-07
3802	469333.95	3819024.42	6.79E-06	2.85E-05	2.57E-06	5.65E-06	2.09E-05	1.84E-06	6.41E-07	3.67E-06	4.38E-07	5.83E-07	1.92E-06	1.32E-07
3803	469337.8	3819015.58	6.91E-06	2.90E-05	2.61E-06	5.75E-06	2.13E-05	1.88E-06	6.52E-07	3.73E-06	4.46E-07	5.93E-07	1.96E-06	1.35E-07
3804	469341.66	3819006.74	7.01E-06	2.95E-05	2.65E-06	5.84E-06	2.16E-05	1.90E-06	6.62E-07	3.79E-06	4.52E-07	6.02E-07	1.99E-06	1.37E-07
3805	469345.51	3818997.9	7.13E-06	2.99E-05	2.70E-06	5.94E-06	2.20E-05	1.94E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
3806	469349.37	3818989.06	7.25E-06	3.05E-05	2.74E-06	6.04E-06	2.24E-05	1.97E-06	6.85E-07	3.92E-06	4.68E-07	6.23E-07	2.05E-06	1.42E-07
3807	469353.22	3818980.22	7.39E-06	3.11E-05	2.80E-06	6.16E-06	2.28E-05	2.01E-06	6.98E-07	4.00E-06	4.77E-07	6.35E-07	2.09E-06	1.44E-07
3808	469357.08	3818971.38	7.54E-06	3.17E-05	2.85E-06	6.28E-06	2.33E-05	2.05E-06	7.12E-07	4.08E-06	4.87E-07	6.48E-07	2.14E-06	1.47E-07
3809	469360.94	3818962.54	7.70E-06	3.23E-05	2.91E-06	6.41E-06	2.38E-05	2.09E-06	7.27E-07	4.16E-06	4.96E-07	6.61E-07	2.18E-06	1.50E-07
3810	469364.79	3818953.69	7.86E-06	3.30E-05	2.97E-06	6.54E-06	2.42E-05	2.13E-06	7.42E-07	4.25E-06	5.07E-07	6.74E-07	2.22E-06	1.53E-07
3811	469368.65	3818944.85	8.02E-06	3.37E-05	3.03E-06	6.68E-06	2.47E-05	2.18E-06	7.57E-07	4.34E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
3812	469372.5	3818936.01	8.18E-06	3.44E-05	3.09E-06	6.82E-06	2.53E-05	2.22E-06	7.73E-07	4.42E-06	5.28E-07	7.02E-07	2.32E-06	1.60E-07
3813	469376.36	3818927.17	8.35E-06	3.51E-05	3.16E-06	6.96E-06	2.58E-05	2.27E-06	7.89E-07	4.51E-06	5.39E-07	7.17E-07	2.36E-06	1.63E-07
3814	469380.21	3818918.33	8.51E-06	3.57E-05	3.22E-06	7.09E-06	2.63E-05	2.31E-06	8.04E-07	4.60E-06	5.49E-07	7.31E-07	2.41E-06	1.66E-07
3815	469384.07	3818909.49	8.67E-06	3.64E-05	3.28E-06	7.22E-06	2.68E-05	2.35E-06	8.19E-07	4.69E-06	5.59E-07	7.45E-07	2.46E-06	1.69E-07
3816	469387.93	3818900.65	8.83E-06	3.71E-05	3.34E-06	7.36E-06	2.73E-05	2.40E-06	8.34E-07	4.77E-06	5.70E-07	7.58E-07	2.50E-06	1.72E-07
3817	469391.78	3818891.81	9.00E-06	3.78E-05	3.40E-06	7.50E-06	2.78E-05	2.44E-06	8.50E-07	4.87E-06	5.81E-07	7.73E-07	2.55E-06	1.76E-07
3818	469395.64	3818882.97	9.17E-06	3.85E-05	3.47E-06	7.64E-06	2.83E-05	2.49E-06	8.66E-07	4.96E-06	5.91E-07	7.87E-07	2.60E-06	1.79E-07
3819	469399.49	3818874.13	9.33E-06	3.92E-05	3.53E-06	7.77E-06	2.88E-05	2.53E-06	8.81E-07	5.05E-06	6.02E-07	8.01E-07	2.64E-06	1.82E-07
3820	469403.35	3818865.28	9.50E-06	3.99E-05	3.59E-06	7.91E-06	2.93E-05	2.58E-06	8.97E-07	5.13E-06	6.13E-07	8.15E-07	2.69E-06	1.85E-07
3821	469407.2	3818856.44	9.65E-06	4.05E-05	3.65E-06	8.04E-06	2.98E-05	2.62E-06	9.11E-07	5.22E-06	6.22E-07	8.28E-07	2.73E-06	1.88E-07
3822	469411.06	3818847.6	9.79E-06	4.11E-05	3.70E-06	8.16E-06	3.02E-05	2.66E-06	9.25E-07	5.29E-06	6.32E-07	8.41E-07	2.77E-06	1.91E-07
3823	469414.91	3818838.76	9.94E-06	4.17E-05	3.76E-06	8.28E-06	3.07E-05	2.70E-06	9.39E-07	5.37E-06	6.41E-07	8.53E-07	2.81E-06	1.94E-07

3824	469418.77	3818829.92	1.01E-05	4.23E-05	3.81E-06	8.39E-06	3.11E-05	2.74E-06	9.52E-07	5.45E-06	6.50E-07	8.65E-07	2.85E-06	1.97E-07
3825	469422.63	3818821.08	1.02E-05	4.29E-05	3.86E-06	8.51E-06	3.15E-05	2.77E-06	9.65E-07	5.52E-06	6.59E-07	8.77E-07	2.89E-06	1.99E-07
3826	469426.48	3818812.24	1.03E-05	4.35E-05	3.91E-06	8.62E-06	3.19E-05	2.81E-06	9.77E-07	5.59E-06	6.67E-07	8.88E-07	2.93E-06	2.02E-07
3827	469430.34	3818803.4	1.05E-05	4.40E-05	3.96E-06	8.72E-06	3.23E-05	2.84E-06	9.89E-07	5.66E-06	6.75E-07	8.99E-07	2.96E-06	2.04E-07
3828	469434.19	3818794.56	1.06E-05	4.45E-05	4.01E-06	8.82E-06	3.27E-05	2.88E-06	1.00E-06	5.73E-06	6.83E-07	9.09E-07	3.00E-06	2.07E-07
3829	469438.05	3818785.72	1.07E-05	4.50E-05	4.05E-06	8.92E-06	3.31E-05	2.91E-06	1.01E-06	5.79E-06	6.91E-07	9.20E-07	3.03E-06	2.09E-07
3830	469441.9	3818776.88	1.08E-05	4.55E-05	4.10E-06	9.02E-06	3.34E-05	2.94E-06	1.02E-06	5.85E-06	6.98E-07	9.30E-07	3.07E-06	2.11E-07
3831	469445.76	3818768.03	1.09E-05	4.59E-05	4.14E-06	9.11E-06	3.37E-05	2.97E-06	1.03E-06	5.91E-06	7.05E-07	9.39E-07	3.10E-06	2.13E-07
3832	469449.62	3818759.19	1.10E-05	4.64E-05	4.18E-06	9.20E-06	3.41E-05	3.00E-06	1.04E-06	5.97E-06	7.12E-07	9.48E-07	3.13E-06	2.15E-07
3833	469453.47	3818750.35	1.11E-05	4.68E-05	4.21E-06	9.28E-06	3.44E-05	3.02E-06	1.05E-06	6.02E-06	7.18E-07	9.56E-07	3.15E-06	2.17E-07
3834	469457.33	3818741.51	1.12E-05	4.72E-05	4.25E-06	9.35E-06	3.46E-05	3.05E-06	1.06E-06	6.07E-06	7.24E-07	9.64E-07	3.18E-06	2.19E-07
3835	469461.18	3818732.67	1.13E-05	4.75E-05	4.28E-06	9.42E-06	3.49E-05	3.07E-06	1.07E-06	6.12E-06	7.30E-07	9.71E-07	3.20E-06	2.21E-07
3836	469465.04	3818723.83	1.14E-05	4.79E-05	4.31E-06	9.50E-06	3.52E-05	3.09E-06	1.08E-06	6.16E-06	7.35E-07	9.79E-07	3.23E-06	2.22E-07
3837	469468.89	3818714.99	1.15E-05	4.82E-05	4.34E-06	9.56E-06	3.54E-05	3.12E-06	1.08E-06	6.21E-06	7.41E-07	9.86E-07	3.25E-06	2.24E-07
3838	469472.75	3818706.15	1.16E-05	4.85E-05	4.37E-06	9.63E-06	3.57E-05	3.14E-06	1.09E-06	6.25E-06	7.46E-07	9.92E-07	3.27E-06	2.26E-07
3839	469476.61	3818697.31	1.16E-05	4.89E-05	4.40E-06	9.69E-06	3.59E-05	3.16E-06	1.10E-06	6.29E-06	7.51E-07	9.99E-07	3.29E-06	2.27E-07
3840	469480.46	3818688.47	1.17E-05	4.92E-05	4.43E-06	9.76E-06	3.62E-05	3.18E-06	1.11E-06	6.34E-06	7.56E-07	1.01E-06	3.32E-06	2.29E-07
3841	469484.32	3818679.62	1.18E-05	4.95E-05	4.46E-06	9.81E-06	3.64E-05	3.20E-06	1.11E-06	6.37E-06	7.60E-07	1.01E-06	3.33E-06	2.30E-07
3842	469503.59	3818635.42	1.21E-05	5.07E-05	4.57E-06	1.01E-05	3.73E-05	3.28E-06	1.14E-06	6.53E-06	7.79E-07	1.04E-06	3.42E-06	2.36E-07
3843	469507.45	3818626.58	1.21E-05	5.10E-05	4.59E-06	1.01E-05	3.75E-05	3.30E-06	1.15E-06	6.56E-06	7.83E-07	1.04E-06	3.44E-06	2.37E-07
3844	469520.27	3818614.19	1.24E-05	5.22E-05	4.70E-06	1.04E-05	3.83E-05	3.37E-06	1.17E-06	6.72E-06	8.01E-07	1.07E-06	3.52E-06	2.42E-07
3845	469529.24	3818610.63	1.27E-05	5.32E-05	4.79E-06	1.06E-05	3.91E-05	3.44E-06	1.20E-06	6.85E-06	8.17E-07	1.09E-06	3.59E-06	2.47E-07
3846	469538.21	3818607.08	1.29E-05	5.42E-05	4.88E-06	1.08E-05	3.98E-05	3.50E-06	1.22E-06	6.98E-06	8.33E-07	1.11E-06	3.65E-06	2.52E-07
3847	469547.18	3818603.53	1.32E-05	5.52E-05	4.97E-06	1.10E-05	4.06E-05	3.57E-06	1.24E-06	7.11E-06	8.48E-07	1.13E-06	3.72E-06	2.57E-07
3848	469556.14	3818599.98	1.34E-05	5.62E-05	5.07E-06	1.12E-05	4.13E-05	3.64E-06	1.26E-06	7.24E-06	8.64E-07	1.15E-06	3.79E-06	2.61E-07
3849	469565.11	3818596.43	1.36E-05	5.72E-05	5.15E-06	1.14E-05	4.21E-05	3.70E-06	1.29E-06	7.37E-06	8.79E-07	1.17E-06	3.86E-06	2.66E-07
3850	469574.08	3818592.88	1.39E-05	5.83E-05	5.25E-06	1.16E-05	4.28E-05	3.77E-06	1.31E-06	7.50E-06	8.95E-07	1.19E-06	3.93E-06	2.71E-07
3851	469583.05	3818589.32	1.41E-05	5.93E-05	5.34E-06	1.18E-05	4.36E-05	3.83E-06	1.33E-06	7.63E-06	9.11E-07	1.21E-06	4.00E-06	2.76E-07
3852	469592.01	3818585.77	1.44E-05	6.03E-05	5.43E-06	1.20E-05	4.43E-05	3.90E-06	1.36E-06	7.76E-06	9.26E-07	1.23E-06	4.06E-06	2.80E-07
3853	469600.98	3818582.22	1.46E-05	6.12E-05	5.51E-06	1.21E-05	4.50E-05	3.96E-06	1.38E-06	7.88E-06	9.40E-07	1.25E-06	4.13E-06	2.85E-07
3854	469609.95	3818578.67	1.48E-05	6.22E-05	5.60E-06	1.23E-05	4.57E-05	4.02E-06	1.40E-06	8.00E-06	9.55E-07	1.27E-06	4.19E-06	2.89E-07
3855	469618.91	3818575.12	1.50E-05	6.31E-05	5.68E-06	1.25E-05	4.63E-05	4.08E-06	1.42E-06	8.12E-06	9.68E-07	1.29E-06	4.25E-06	2.93E-07
3856	469627.88	3818571.57	1.52E-05	6.40E-05	5.76E-06	1.27E-05	4.70E-05	4.13E-06	1.44E-06	8.23E-06	9.82E-07	1.31E-06	4.31E-06	2.97E-07
3857	469636.85	3818568.01	1.54E-05	6.48E-05	5.83E-06	1.28E-05	4.76E-05	4.19E-06	1.46E-06	8.34E-06	9.95E-07	1.32E-06	4.37E-06	3.01E-07
3858	469645.82	3818564.46	1.56E-05	6.56E-05	5.91E-06	1.30E-05	4.82E-05	4.24E-06	1.47E-06	8.44E-06	1.01E-06	1.34E-06	4.42E-06	3.05E-07
3859	469654.78	3818560.91	1.58E-05	6.63E-05	5.97E-06	1.32E-05	4.88E-05	4.29E-06	1.49E-06	8.54E-06	1.02E-06	1.36E-06	4.47E-06	3.08E-07
3860	469663.75	3818557.36	1.60E-05	6.71E-05	6.04E-06	1.33E-05	4.93E-05	4.34E-06	1.51E-06	8.64E-06	1.03E-06	1.37E-06	4.52E-06	3.12E-07
3861	469672.72	3818553.81	1.62E-05	6.78E-05	6.11E-06	1.35E-05	4.98E-05	4.39E-06	1.53E-06	8.73E-06	1.04E-06	1.39E-06	4.57E-06	3.15E-07
3862	469708.59	3818539.6	1.69E-05	7.08E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
3863	469717.56	3818536.05	1.71E-05	7.17E-05	6.45E-06	1.42E-05	5.27E-05	4.63E-06	1.61E-06	9.22E-06	1.10E-06	1.46E-06	4.83E-06	3.33E-07
3864	469726.52	3818532.5	1.72E-05	7.23E-05	6.51E-06	1.43E-05	5.31E-05	4.68E-06	1.63E-06	9.31E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
3865	469735.49	3818528.95	1.74E-05	7.30E-05	6.58E-06	1.45E-05	5.36E-05	4.72E-06	1.64E-06	9.40E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
3866	469744.46	3818525.39	1.75E-05	7.37E-05	6.64E-06	1.46E-05	5.42E-05	4.76E-06	1.66E-06	9.49E-06	1.13E-06	1.51E-06	4.97E-06	3.42E-07

3867	469753.43	3818521.84	1.77E-05	7.44E-05	6.70E-06	1.48E-05	5.47E-05	4.81E-06	1.67E-06	9.58E-06	1.14E-06	1.52E-06	5.01E-06	3.46E-07
3868	469762.39	3818518.29	1.79E-05	7.51E-05	6.76E-06	1.49E-05	5.51E-05	4.85E-06	1.69E-06	9.66E-06	1.15E-06	1.53E-06	5.06E-06	3.49E-07
3869	469771.36	3818514.74	1.80E-05	7.57E-05	6.82E-06	1.50E-05	5.56E-05	4.89E-06	1.70E-06	9.75E-06	1.16E-06	1.55E-06	5.10E-06	3.52E-07
3870	469780.33	3818511.19	1.82E-05	7.64E-05	6.88E-06	1.51E-05	5.61E-05	4.94E-06	1.72E-06	9.83E-06	1.17E-06	1.56E-06	5.15E-06	3.55E-07
3871	469789.3	3818507.64	1.83E-05	7.70E-05	6.93E-06	1.53E-05	5.66E-05	4.98E-06	1.73E-06	9.91E-06	1.18E-06	1.57E-06	5.19E-06	3.58E-07
3872	469798.26	3818504.08	1.85E-05	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.02E-06	1.75E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.61E-07
3873	469807.23	3818500.53	1.86E-05	7.82E-05	7.04E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.27E-06	3.63E-07
3874	469816.2	3818496.98	1.88E-05	7.88E-05	7.10E-06	1.56E-05	5.79E-05	5.10E-06	1.77E-06	1.02E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
3875	469825.17	3818493.43	1.89E-05	7.95E-05	7.16E-06	1.58E-05	5.84E-05	5.14E-06	1.79E-06	1.02E-05	1.22E-06	1.62E-06	5.36E-06	3.69E-07
3876	469834.13	3818489.88	1.91E-05	8.00E-05	7.20E-06	1.59E-05	5.88E-05	5.17E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.39E-06	3.72E-07
3877	469843.1	3818486.33	1.92E-05	8.05E-05	7.25E-06	1.60E-05	5.92E-05	5.21E-06	1.81E-06	1.04E-05	1.24E-06	1.65E-06	5.43E-06	3.74E-07
3878	469852.07	3818482.78	1.93E-05	8.11E-05	7.30E-06	1.61E-05	5.96E-05	5.24E-06	1.82E-06	1.04E-05	1.24E-06	1.66E-06	5.46E-06	3.77E-07
3879	469861.04	3818479.22	1.94E-05	8.16E-05	7.34E-06	1.62E-05	5.99E-05	5.27E-06	1.83E-06	1.05E-05	1.25E-06	1.67E-06	5.50E-06	3.79E-07
3880	469870	3818475.67	1.95E-05	8.21E-05	7.39E-06	1.63E-05	6.03E-05	5.30E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.53E-06	3.81E-07
3881	469878.97	3818472.12	1.96E-05	8.25E-05	7.43E-06	1.64E-05	6.06E-05	5.33E-06	1.85E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.83E-07
3882	469887.94	3818468.57	1.97E-05	8.28E-05	7.46E-06	1.64E-05	6.09E-05	5.35E-06	1.86E-06	1.07E-05	1.27E-06	1.69E-06	5.58E-06	3.85E-07
3883	469896.9	3818465.02	1.98E-05	8.32E-05	7.49E-06	1.65E-05	6.11E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.61E-06	3.86E-07
3884	469905.87	3818461.47	1.99E-05	8.35E-05	7.52E-06	1.66E-05	6.14E-05	5.40E-06	1.88E-06	1.07E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
3885	469914.84	3818457.91	2.00E-05	8.38E-05	7.55E-06	1.66E-05	6.16E-05	5.42E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.65E-06	3.89E-07
3886	470031.42	3818411.74	2.12E-05	8.92E-05	8.03E-06	1.77E-05	6.56E-05	5.77E-06	2.01E-06	1.15E-05	1.37E-06	1.82E-06	6.01E-06	4.15E-07
3887	470040.38	3818408.19	2.14E-05	8.97E-05	8.08E-06	1.78E-05	6.59E-05	5.80E-06	2.02E-06	1.15E-05	1.38E-06	1.83E-06	6.04E-06	4.17E-07
3888	470049.35	3818404.64	2.15E-05	9.01E-05	8.12E-06	1.79E-05	6.62E-05	5.83E-06	2.03E-06	1.16E-05	1.38E-06	1.84E-06	6.07E-06	4.19E-07
3889	470058.32	3818401.09	2.16E-05	9.06E-05	8.16E-06	1.80E-05	6.65E-05	5.85E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.10E-06	4.21E-07
3890	470067.29	3818397.54	2.17E-05	9.09E-05	8.19E-06	1.80E-05	6.68E-05	5.88E-06	2.04E-06	1.17E-05	1.40E-06	1.86E-06	6.13E-06	4.22E-07
3891	470076.25	3818393.98	2.17E-05	9.12E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.15E-06	4.24E-07
3892	470085.22	3818390.43	2.18E-05	9.14E-05	8.23E-06	1.81E-05	6.72E-05	5.91E-06	2.06E-06	1.18E-05	1.40E-06	1.87E-06	6.16E-06	4.25E-07
3893	470094.19	3818386.88	2.18E-05	9.15E-05	8.24E-06	1.82E-05	6.72E-05	5.92E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.17E-06	4.25E-07
3894	470103.16	3818383.33	2.18E-05	9.15E-05	8.24E-06	1.81E-05	6.72E-05	5.91E-06	2.06E-06	1.18E-05	1.40E-06	1.87E-06	6.17E-06	4.25E-07
3895	470112.12	3818379.78	2.17E-05	9.13E-05	8.22E-06	1.81E-05	6.71E-05	5.90E-06	2.05E-06	1.17E-05	1.40E-06	1.87E-06	6.15E-06	4.24E-07
3896	469248.74	3819238.22	6.24E-06	2.62E-05	2.36E-06	5.20E-06	1.93E-05	1.70E-06	5.90E-07	3.38E-06	4.03E-07	5.36E-07	1.77E-06	1.22E-07
3897	469248.54	3819247.87	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.99E-07	3.43E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
3898	469248.35	3819257.52	6.44E-06	2.71E-05	2.44E-06	5.37E-06	1.99E-05	1.75E-06	6.08E-07	3.48E-06	4.15E-07	5.53E-07	1.82E-06	1.26E-07
3899	469248.16	3819267.16	6.55E-06	2.75E-05	2.48E-06	5.45E-06	2.02E-05	1.78E-06	6.18E-07	3.54E-06	4.22E-07	5.62E-07	1.85E-06	1.28E-07
3900	469247.96	3819276.81	6.66E-06	2.80E-05	2.52E-06	5.55E-06	2.05E-05	1.81E-06	6.29E-07	3.60E-06	4.29E-07	5.72E-07	1.88E-06	1.30E-07
3901	469247.77	3819286.46	6.79E-06	2.85E-05	2.57E-06	5.65E-06	2.09E-05	1.84E-06	6.41E-07	3.67E-06	4.38E-07	5.83E-07	1.92E-06	1.32E-07
3902	469247.58	3819296.11	6.89E-06	2.89E-05	2.61E-06	5.74E-06	2.13E-05	1.87E-06	6.51E-07	3.72E-06	4.44E-07	5.91E-07	1.95E-06	1.34E-07
3903	469247.38	3819305.76	6.99E-06	2.94E-05	2.64E-06	5.82E-06	2.16E-05	1.90E-06	6.60E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
3904	469247.19	3819315.41	7.10E-06	2.98E-05	2.69E-06	5.91E-06	2.19E-05	1.93E-06	6.71E-07	3.84E-06	4.58E-07	6.10E-07	2.01E-06	1.39E-07
3905	469247	3819325.05	7.21E-06	3.03E-05	2.73E-06	6.01E-06	2.23E-05	1.96E-06	6.81E-07	3.90E-06	4.65E-07	6.19E-07	2.04E-06	1.41E-07
3906	469246.8	3819334.7	7.33E-06	3.08E-05	2.77E-06	6.10E-06	2.26E-05	1.99E-06	6.92E-07	3.96E-06	4.73E-07	6.29E-07	2.07E-06	1.43E-07
3907	469246.61	3819344.35	7.44E-06	3.13E-05	2.81E-06	6.20E-06	2.30E-05	2.02E-06	7.03E-07	4.02E-06	4.80E-07	6.39E-07	2.11E-06	1.45E-07
3908	469246.42	3819354	7.57E-06	3.18E-05	2.86E-06	6.30E-06	2.34E-05	2.05E-06	7.15E-07	4.09E-06	4.88E-07	6.50E-07	2.14E-06	1.48E-07
3909	469246.22	3819363.65	7.70E-06	3.23E-05	2.91E-06	6.41E-06	2.38E-05	2.09E-06	7.27E-07	4.16E-06	4.96E-07	6.61E-07	2.18E-06	1.50E-07

3910	469246.03	3819373.29	7.83E-06	3.29E-05	2.96E-06	6.52E-06	2.42E-05	2.12E-06	7.39E-07	4.23E-06	5.05E-07	6.72E-07	2.22E-06	1.53E-07
3911	469245.84	3819382.94	7.97E-06	3.35E-05	3.01E-06	6.64E-06	2.46E-05	2.16E-06	7.53E-07	4.31E-06	5.14E-07	6.84E-07	2.26E-06	1.56E-07
3912	469245.65	3819392.59	8.12E-06	3.41E-05	3.07E-06	6.76E-06	2.51E-05	2.20E-06	7.67E-07	4.39E-06	5.24E-07	6.97E-07	2.30E-06	1.58E-07
3913	469245.45	3819402.24	8.27E-06	3.47E-05	3.13E-06	6.89E-06	2.55E-05	2.25E-06	7.81E-07	4.47E-06	5.34E-07	7.10E-07	2.34E-06	1.61E-07
3914	469245.26	3819411.89	8.42E-06	3.54E-05	3.19E-06	7.02E-06	2.60E-05	2.29E-06	7.95E-07	4.55E-06	5.43E-07	7.23E-07	2.38E-06	1.64E-07
3915	469245.07	3819421.54	8.58E-06	3.60E-05	3.25E-06	7.15E-06	2.65E-05	2.33E-06	8.10E-07	4.64E-06	5.54E-07	7.37E-07	2.43E-06	1.67E-07
3916	469244.87	3819431.18	8.74E-06	3.67E-05	3.31E-06	7.28E-06	2.70E-05	2.37E-06	8.25E-07	4.73E-06	5.64E-07	7.50E-07	2.47E-06	1.71E-07
3917	469176.78	3819199.8	5.05E-06	2.12E-05	1.91E-06	4.20E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.25E-07	4.33E-07	1.43E-06	9.85E-08
3918	469180.6	3819191.04	5.02E-06	2.11E-05	1.90E-06	4.18E-06	1.55E-05	1.36E-06	4.74E-07	2.71E-06	3.24E-07	4.31E-07	1.42E-06	9.79E-08
3919	469184.42	3819182.28	4.99E-06	2.10E-05	1.89E-06	4.16E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.22E-07	4.29E-07	1.41E-06	9.74E-08
3920	469188.24	3819173.52	4.97E-06	2.09E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.70E-07	2.69E-06	3.21E-07	4.27E-07	1.41E-06	9.71E-08
3921	469192.06	3819164.75	4.96E-06	2.08E-05	1.88E-06	4.13E-06	1.53E-05	1.35E-06	4.68E-07	2.68E-06	3.20E-07	4.26E-07	1.40E-06	9.68E-08
3922	469195.89	3819155.99	4.95E-06	2.08E-05	1.87E-06	4.12E-06	1.53E-05	1.34E-06	4.67E-07	2.68E-06	3.19E-07	4.25E-07	1.40E-06	9.66E-08
3923	469199.71	3819147.23	4.95E-06	2.08E-05	1.87E-06	4.12E-06	1.53E-05	1.34E-06	4.67E-07	2.67E-06	3.19E-07	4.25E-07	1.40E-06	9.65E-08
3924	469203.53	3819138.47	4.95E-06	2.08E-05	1.87E-06	4.12E-06	1.53E-05	1.34E-06	4.67E-07	2.67E-06	3.19E-07	4.25E-07	1.40E-06	9.65E-08
3925	469207.35	3819129.71	4.95E-06	2.08E-05	1.87E-06	4.13E-06	1.53E-05	1.35E-06	4.68E-07	2.68E-06	3.20E-07	4.25E-07	1.40E-06	9.67E-08
3926	469211.17	3819120.95	4.96E-06	2.08E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.69E-07	2.68E-06	3.20E-07	4.26E-07	1.41E-06	9.69E-08
3927	469214.99	3819112.18	4.98E-06	2.09E-05	1.88E-06	4.15E-06	1.54E-05	1.35E-06	4.71E-07	2.69E-06	3.21E-07	4.28E-07	1.41E-06	9.72E-08
3928	469218.81	3819103.42	5.00E-06	2.10E-05	1.89E-06	4.17E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.23E-07	4.29E-07	1.42E-06	9.76E-08
3929	469222.63	3819094.66	5.03E-06	2.11E-05	1.90E-06	4.19E-06	1.55E-05	1.37E-06	4.75E-07	2.72E-06	3.25E-07	4.32E-07	1.42E-06	9.82E-08
3930	469226.45	3819085.9	5.07E-06	2.13E-05	1.92E-06	4.22E-06	1.56E-05	1.38E-06	4.78E-07	2.74E-06	3.27E-07	4.35E-07	1.43E-06	9.88E-08
3931	469230.27	3819077.14	5.10E-06	2.14E-05	1.93E-06	4.25E-06	1.57E-05	1.39E-06	4.82E-07	2.76E-06	3.29E-07	4.38E-07	1.44E-06	9.96E-08
3932	469234.09	3819068.38	5.14E-06	2.16E-05	1.94E-06	4.28E-06	1.59E-05	1.39E-06	4.85E-07	2.78E-06	3.31E-07	4.41E-07	1.45E-06	1.00E-07
3933	469237.92	3819059.62	5.18E-06	2.17E-05	1.96E-06	4.31E-06	1.60E-05	1.41E-06	4.89E-07	2.80E-06	3.34E-07	4.44E-07	1.47E-06	1.01E-07
3934	469241.74	3819050.85	5.22E-06	2.19E-05	1.97E-06	4.35E-06	1.61E-05	1.42E-06	4.93E-07	2.82E-06	3.37E-07	4.48E-07	1.48E-06	1.02E-07
3935	469245.56	3819042.09	5.28E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
3936	469249.38	3819033.33	5.35E-06	2.25E-05	2.02E-06	4.46E-06	1.65E-05	1.45E-06	5.05E-07	2.89E-06	3.45E-07	4.59E-07	1.51E-06	1.04E-07
3937	469253.2	3819024.57	5.42E-06	2.27E-05	2.05E-06	4.51E-06	1.67E-05	1.47E-06	5.12E-07	2.93E-06	3.49E-07	4.65E-07	1.53E-06	1.06E-07
3938	469272.3	3818980.76	5.85E-06	2.46E-05	2.21E-06	4.88E-06	1.81E-05	1.59E-06	5.53E-07	3.16E-06	3.78E-07	5.03E-07	1.66E-06	1.14E-07
3939	469276.13	3818972	5.96E-06	2.50E-05	2.25E-06	4.96E-06	1.84E-05	1.62E-06	5.63E-07	3.22E-06	3.84E-07	5.12E-07	1.69E-06	1.16E-07
3940	469279.95	3818963.24	6.07E-06	2.55E-05	2.29E-06	5.05E-06	1.87E-05	1.65E-06	5.73E-07	3.28E-06	3.91E-07	5.21E-07	1.72E-06	1.18E-07
3941	469283.77	3818954.48	6.18E-06	2.60E-05	2.34E-06	5.15E-06	1.91E-05	1.68E-06	5.84E-07	3.34E-06	3.99E-07	5.31E-07	1.75E-06	1.21E-07
3942	469287.59	3818945.72	6.30E-06	2.64E-05	2.38E-06	5.25E-06	1.94E-05	1.71E-06	5.95E-07	3.40E-06	4.06E-07	5.41E-07	1.78E-06	1.23E-07
3943	469291.41	3818936.96	6.42E-06	2.70E-05	2.43E-06	5.35E-06	1.98E-05	1.74E-06	6.06E-07	3.47E-06	4.14E-07	5.51E-07	1.82E-06	1.25E-07
3944	469295.23	3818928.19	6.55E-06	2.75E-05	2.48E-06	5.45E-06	2.02E-05	1.78E-06	6.18E-07	3.54E-06	4.22E-07	5.62E-07	1.85E-06	1.28E-07
3945	469299.05	3818919.43	6.67E-06	2.80E-05	2.52E-06	5.55E-06	2.06E-05	1.81E-06	6.30E-07	3.60E-06	4.30E-07	5.72E-07	1.89E-06	1.30E-07
3946	469302.87	3818910.67	6.79E-06	2.85E-05	2.57E-06	5.65E-06	2.09E-05	1.84E-06	6.41E-07	3.67E-06	4.38E-07	5.83E-07	1.92E-06	1.32E-07
3947	469306.69	3818901.91	6.91E-06	2.90E-05	2.61E-06	5.76E-06	2.13E-05	1.88E-06	6.53E-07	3.74E-06	4.46E-07	5.93E-07	1.96E-06	1.35E-07
3948	469310.51	3818893.15	7.04E-06	2.96E-05	2.66E-06	5.87E-06	2.17E-05	1.91E-06	6.65E-07	3.81E-06	4.54E-07	6.05E-07	1.99E-06	1.37E-07
3949	469314.34	3818884.39	7.18E-06	3.02E-05	2.72E-06	5.98E-06	2.22E-05	1.95E-06	6.78E-07	3.88E-06	4.63E-07	6.17E-07	2.03E-06	1.40E-07
3950	469318.16	3818875.62	7.32E-06	3.07E-05	2.77E-06	6.10E-06	2.26E-05	1.99E-06	6.91E-07	3.96E-06	4.72E-07	6.29E-07	2.07E-06	1.43E-07
3951	469321.98	3818866.86	7.46E-06	3.13E-05	2.82E-06	6.21E-06	2.30E-05	2.02E-06	7.04E-07	4.03E-06	4.81E-07	6.40E-07	2.11E-06	1.45E-07
3952	469325.8	3818858.1	7.60E-06	3.19E-05	2.87E-06	6.33E-06	2.34E-05	2.06E-06	7.17E-07	4.11E-06	4.90E-07	6.52E-07	2.15E-06	1.48E-07

3953	469329.62	3818849.34	7.74E-06	3.25E-05	2.93E-06	6.44E-06	2.39E-05	2.10E-06	7.30E-07	4.18E-06	4.99E-07	6.64E-07	2.19E-06	1.51E-07
3954	469333.44	3818840.58	7.87E-06	3.30E-05	2.97E-06	6.55E-06	2.43E-05	2.14E-06	7.43E-07	4.25E-06	5.07E-07	6.75E-07	2.23E-06	1.53E-07
3955	469337.26	3818831.82	8.00E-06	3.36E-05	3.02E-06	6.66E-06	2.47E-05	2.17E-06	7.55E-07	4.32E-06	5.16E-07	6.86E-07	2.26E-06	1.56E-07
3956	469341.08	3818823.06	8.12E-06	3.41E-05	3.07E-06	6.76E-06	2.51E-05	2.20E-06	7.67E-07	4.39E-06	5.24E-07	6.97E-07	2.30E-06	1.58E-07
3957	469344.9	3818814.29	8.24E-06	3.46E-05	3.12E-06	6.86E-06	2.54E-05	2.24E-06	7.78E-07	4.45E-06	5.32E-07	7.07E-07	2.33E-06	1.61E-07
3958	469348.72	3818805.53	8.36E-06	3.51E-05	3.16E-06	6.96E-06	2.58E-05	2.27E-06	7.90E-07	4.52E-06	5.39E-07	7.18E-07	2.37E-06	1.63E-07
3959	469352.54	3818796.77	8.48E-06	3.56E-05	3.21E-06	7.06E-06	2.62E-05	2.30E-06	8.00E-07	4.58E-06	5.47E-07	7.28E-07	2.40E-06	1.65E-07
3960	469356.37	3818788.01	8.59E-06	3.61E-05	3.25E-06	7.16E-06	2.65E-05	2.33E-06	8.11E-07	4.64E-06	5.54E-07	7.38E-07	2.43E-06	1.68E-07
3961	469360.19	3818779.25	8.70E-06	3.65E-05	3.29E-06	7.24E-06	2.68E-05	2.36E-06	8.21E-07	4.70E-06	5.61E-07	7.47E-07	2.46E-06	1.70E-07
3962	469364.01	3818770.49	8.80E-06	3.70E-05	3.33E-06	7.33E-06	2.72E-05	2.39E-06	8.31E-07	4.76E-06	5.68E-07	7.55E-07	2.49E-06	1.72E-07
3963	469367.83	3818761.73	8.89E-06	3.74E-05	3.36E-06	7.41E-06	2.74E-05	2.41E-06	8.40E-07	4.81E-06	5.74E-07	7.64E-07	2.52E-06	1.74E-07
3964	469371.65	3818752.96	8.99E-06	3.77E-05	3.40E-06	7.48E-06	2.77E-05	2.44E-06	8.49E-07	4.86E-06	5.80E-07	7.71E-07	2.54E-06	1.75E-07
3965	469375.47	3818744.2	9.07E-06	3.81E-05	3.43E-06	7.56E-06	2.80E-05	2.46E-06	8.57E-07	4.90E-06	5.85E-07	7.79E-07	2.57E-06	1.77E-07
3966	469379.29	3818735.44	9.15E-06	3.84E-05	3.46E-06	7.63E-06	2.82E-05	2.49E-06	8.64E-07	4.95E-06	5.90E-07	7.86E-07	2.59E-06	1.79E-07
3967	469383.11	3818726.68	9.23E-06	3.88E-05	3.49E-06	7.69E-06	2.85E-05	2.51E-06	8.72E-07	4.99E-06	5.95E-07	7.92E-07	2.61E-06	1.80E-07
3968	469386.93	3818717.92	9.30E-06	3.91E-05	3.52E-06	7.75E-06	2.87E-05	2.53E-06	8.79E-07	5.03E-06	6.00E-07	7.99E-07	2.63E-06	1.82E-07
3969	469390.75	3818709.16	9.38E-06	3.94E-05	3.55E-06	7.81E-06	2.89E-05	2.55E-06	8.85E-07	5.07E-06	6.05E-07	8.05E-07	2.65E-06	1.83E-07
3970	469394.58	3818700.4	9.44E-06	3.97E-05	3.57E-06	7.87E-06	2.91E-05	2.56E-06	8.92E-07	5.11E-06	6.09E-07	8.11E-07	2.67E-06	1.84E-07
3971	469398.4	3818691.63	9.51E-06	3.99E-05	3.60E-06	7.92E-06	2.93E-05	2.58E-06	8.98E-07	5.14E-06	6.13E-07	8.16E-07	2.69E-06	1.85E-07
3972	469402.22	3818682.87	9.56E-06	4.02E-05	3.62E-06	7.97E-06	2.95E-05	2.60E-06	9.03E-07	5.17E-06	6.17E-07	8.21E-07	2.71E-06	1.87E-07
3973	469406.04	3818674.11	9.62E-06	4.04E-05	3.64E-06	8.01E-06	2.97E-05	2.61E-06	9.09E-07	5.20E-06	6.21E-07	8.26E-07	2.72E-06	1.88E-07
3974	469409.86	3818665.35	9.67E-06	4.06E-05	3.66E-06	8.06E-06	2.99E-05	2.63E-06	9.14E-07	5.23E-06	6.24E-07	8.30E-07	2.74E-06	1.89E-07
3975	469413.68	3818656.59	9.74E-06	4.09E-05	3.68E-06	8.11E-06	3.00E-05	2.64E-06	9.19E-07	5.26E-06	6.28E-07	8.36E-07	2.76E-06	1.90E-07
3976	469417.5	3818647.83	9.78E-06	4.11E-05	3.70E-06	8.15E-06	3.02E-05	2.66E-06	9.24E-07	5.29E-06	6.31E-07	8.40E-07	2.77E-06	1.91E-07
3977	469421.32	3818639.07	9.83E-06	4.13E-05	3.72E-06	8.19E-06	3.03E-05	2.67E-06	9.29E-07	5.32E-06	6.34E-07	8.44E-07	2.78E-06	1.92E-07
3978	469425.14	3818630.3	9.88E-06	4.15E-05	3.74E-06	8.23E-06	3.05E-05	2.68E-06	9.33E-07	5.34E-06	6.37E-07	8.48E-07	2.80E-06	1.93E-07
3979	469428.96	3818621.54	9.93E-06	4.17E-05	3.76E-06	8.27E-06	3.07E-05	2.70E-06	9.38E-07	5.37E-06	6.41E-07	8.53E-07	2.81E-06	1.94E-07
3980	469432.79	3818612.78	9.99E-06	4.19E-05	3.78E-06	8.32E-06	3.08E-05	2.71E-06	9.43E-07	5.40E-06	6.44E-07	8.57E-07	2.83E-06	1.95E-07
3981	469436.61	3818604.02	1.00E-05	4.22E-05	3.80E-06	8.36E-06	3.10E-05	2.73E-06	9.48E-07	5.43E-06	6.48E-07	8.62E-07	2.84E-06	1.96E-07
3982	469440.43	3818595.26	1.01E-05	4.23E-05	3.81E-06	8.40E-06	3.11E-05	2.74E-06	9.52E-07	5.45E-06	6.50E-07	8.66E-07	2.85E-06	1.97E-07
3983	469444.25	3818586.5	1.01E-05	4.26E-05	3.84E-06	8.45E-06	3.13E-05	2.75E-06	9.58E-07	5.48E-06	6.54E-07	8.71E-07	2.87E-06	1.98E-07
3984	469448.07	3818577.73	1.02E-05	4.28E-05	3.86E-06	8.49E-06	3.15E-05	2.77E-06	9.63E-07	5.51E-06	6.57E-07	8.75E-07	2.89E-06	1.99E-07
3985	469451.89	3818568.97	1.02E-05	4.30E-05	3.87E-06	8.53E-06	3.16E-05	2.78E-06	9.67E-07	5.54E-06	6.61E-07	8.79E-07	2.90E-06	2.00E-07
3986	469464.6	3818556.69	1.05E-05	4.40E-05	3.96E-06	8.73E-06	3.23E-05	2.85E-06	9.90E-07	5.67E-06	6.76E-07	9.00E-07	2.97E-06	2.05E-07
3987	469473.48	3818553.17	1.07E-05	4.49E-05	4.04E-06	8.90E-06	3.30E-05	2.90E-06	1.01E-06	5.78E-06	6.89E-07	9.17E-07	3.02E-06	2.08E-07
3988	469482.37	3818549.65	1.09E-05	4.57E-05	4.12E-06	9.07E-06	3.36E-05	2.96E-06	1.03E-06	5.89E-06	7.02E-07	9.35E-07	3.08E-06	2.12E-07
3989	469509.03	3818539.09	1.15E-05	4.82E-05	4.34E-06	9.56E-06	3.54E-05	3.11E-06	1.08E-06	6.20E-06	7.40E-07	9.85E-07	3.25E-06	2.24E-07
3990	469517.92	3818535.57	1.17E-05	4.90E-05	4.41E-06	9.72E-06	3.60E-05	3.17E-06	1.10E-06	6.31E-06	7.52E-07	1.00E-06	3.30E-06	2.28E-07
3991	469526.81	3818532.05	1.18E-05	4.97E-05	4.48E-06	9.87E-06	3.65E-05	3.22E-06	1.12E-06	6.40E-06	7.64E-07	1.02E-06	3.35E-06	2.31E-07
3992	469535.69	3818528.53	1.20E-05	5.05E-05	4.55E-06	1.00E-05	3.71E-05	3.26E-06	1.14E-06	6.50E-06	7.75E-07	1.03E-06	3.40E-06	2.35E-07
3993	469544.58	3818525.01	1.22E-05	5.12E-05	4.61E-06	1.02E-05	3.76E-05	3.31E-06	1.15E-06	6.59E-06	7.87E-07	1.05E-06	3.45E-06	2.38E-07
3994	469553.47	3818521.5	1.24E-05	5.19E-05	4.68E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.69E-06	7.98E-07	1.06E-06	3.50E-06	2.41E-07
3995	469562.35	3818517.98	1.25E-05	5.26E-05	4.74E-06	1.04E-05	3.87E-05	3.40E-06	1.18E-06	6.78E-06	8.09E-07	1.08E-06	3.55E-06	2.45E-07

3996	469571.24	3818514.46	1.27E-05	5.34E-05	4.80E-06	1.06E-05	3.92E-05	3.45E-06	1.20E-06	6.87E-06	8.19E-07	1.09E-06	3.60E-06	2.48E-07
3997	469580.13	3818510.94	1.29E-05	5.40E-05	4.86E-06	1.07E-05	3.97E-05	3.49E-06	1.21E-06	6.95E-06	8.29E-07	1.10E-06	3.64E-06	2.51E-07
3998	469589.01	3818507.42	1.30E-05	5.46E-05	4.92E-06	1.08E-05	4.01E-05	3.53E-06	1.23E-06	7.03E-06	8.39E-07	1.12E-06	3.68E-06	2.54E-07
3999	469597.9	3818503.9	1.31E-05	5.52E-05	4.97E-06	1.10E-05	4.06E-05	3.57E-06	1.24E-06	7.11E-06	8.48E-07	1.13E-06	3.72E-06	2.57E-07
4000	469606.79	3818500.38	1.33E-05	5.58E-05	5.02E-06	1.11E-05	4.10E-05	3.61E-06	1.25E-06	7.18E-06	8.57E-07	1.14E-06	3.76E-06	2.59E-07
4001	469615.67	3818496.86	1.34E-05	5.63E-05	5.07E-06	1.12E-05	4.14E-05	3.64E-06	1.27E-06	7.25E-06	8.65E-07	1.15E-06	3.80E-06	2.62E-07
4002	469624.56	3818493.34	1.35E-05	5.69E-05	5.12E-06	1.13E-05	4.18E-05	3.68E-06	1.28E-06	7.32E-06	8.74E-07	1.16E-06	3.83E-06	2.64E-07
4003	469633.45	3818489.82	1.37E-05	5.74E-05	5.17E-06	1.14E-05	4.22E-05	3.71E-06	1.29E-06	7.39E-06	8.82E-07	1.17E-06	3.87E-06	2.67E-07
4004	469642.33	3818486.3	1.38E-05	5.80E-05	5.22E-06	1.15E-05	4.26E-05	3.75E-06	1.30E-06	7.47E-06	8.91E-07	1.19E-06	3.91E-06	2.69E-07
4005	469651.22	3818482.78	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.32E-06	7.53E-06	8.99E-07	1.20E-06	3.94E-06	2.72E-07
4006	469660.11	3818479.26	1.41E-05	5.90E-05	5.32E-06	1.17E-05	4.34E-05	3.82E-06	1.33E-06	7.60E-06	9.07E-07	1.21E-06	3.98E-06	2.74E-07
4007	469668.99	3818475.74	1.42E-05	5.96E-05	5.37E-06	1.18E-05	4.38E-05	3.85E-06	1.34E-06	7.67E-06	9.15E-07	1.22E-06	4.02E-06	2.77E-07
4008	469677.88	3818472.22	1.43E-05	6.02E-05	5.42E-06	1.19E-05	4.42E-05	3.89E-06	1.35E-06	7.75E-06	9.24E-07	1.23E-06	4.06E-06	2.80E-07
4009	469713.43	3818458.14	1.49E-05	6.24E-05	5.62E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.03E-06	9.58E-07	1.28E-06	4.20E-06	2.90E-07
4010	469722.31	3818454.62	1.50E-05	6.30E-05	5.67E-06	1.25E-05	4.63E-05	4.07E-06	1.42E-06	8.10E-06	9.67E-07	1.29E-06	4.24E-06	2.92E-07
4011	469731.2	3818451.1	1.51E-05	6.35E-05	5.72E-06	1.26E-05	4.66E-05	4.10E-06	1.43E-06	8.17E-06	9.75E-07	1.30E-06	4.28E-06	2.95E-07
4012	469740.09	3818447.58	1.52E-05	6.40E-05	5.76E-06	1.27E-05	4.70E-05	4.14E-06	1.44E-06	8.24E-06	9.83E-07	1.31E-06	4.31E-06	2.97E-07
4013	469748.97	3818444.06	1.54E-05	6.45E-05	5.81E-06	1.28E-05	4.74E-05	4.17E-06	1.45E-06	8.31E-06	9.91E-07	1.32E-06	4.35E-06	3.00E-07
4014	469757.86	3818440.54	1.55E-05	6.50E-05	5.86E-06	1.29E-05	4.78E-05	4.20E-06	1.46E-06	8.37E-06	9.99E-07	1.33E-06	4.38E-06	3.02E-07
4015	469828.96	3818412.38	1.64E-05	6.87E-05	6.19E-06	1.36E-05	5.05E-05	4.44E-06	1.55E-06	8.85E-06	1.06E-06	1.41E-06	4.63E-06	3.19E-07
4016	469837.84	3818408.86	1.64E-05	6.91E-05	6.22E-06	1.37E-05	5.07E-05	4.46E-06	1.55E-06	8.89E-06	1.06E-06	1.41E-06	4.65E-06	3.21E-07
4017	469846.73	3818405.34	1.65E-05	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.48E-06	1.56E-06	8.93E-06	1.07E-06	1.42E-06	4.67E-06	3.22E-07
4018	469855.62	3818401.82	1.66E-05	6.96E-05	6.27E-06	1.38E-05	5.12E-05	4.50E-06	1.57E-06	8.96E-06	1.07E-06	1.42E-06	4.69E-06	3.24E-07
4019	469864.5	3818398.31	1.66E-05	6.99E-05	6.29E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.00E-06	1.07E-06	1.43E-06	4.71E-06	3.25E-07
4020	469873.39	3818394.79	1.67E-05	7.01E-05	6.32E-06	1.39E-05	5.15E-05	4.53E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
4021	469882.28	3818391.27	1.68E-05	7.04E-05	6.34E-06	1.40E-05	5.17E-05	4.55E-06	1.58E-06	9.06E-06	1.08E-06	1.44E-06	4.74E-06	3.27E-07
4022	469891.16	3818387.75	1.68E-05	7.06E-05	6.35E-06	1.40E-05	5.19E-05	4.56E-06	1.59E-06	9.08E-06	1.08E-06	1.44E-06	4.76E-06	3.28E-07
4023	469900.05	3818384.23	1.69E-05	7.08E-05	6.37E-06	1.40E-05	5.20E-05	4.58E-06	1.59E-06	9.11E-06	1.09E-06	1.45E-06	4.77E-06	3.29E-07
4024	469908.94	3818380.71	1.69E-05	7.10E-05	6.40E-06	1.41E-05	5.22E-05	4.59E-06	1.60E-06	9.14E-06	1.09E-06	1.45E-06	4.79E-06	3.30E-07
4025	469917.82	3818377.19	1.70E-05	7.13E-05	6.42E-06	1.41E-05	5.24E-05	4.61E-06	1.60E-06	9.17E-06	1.09E-06	1.46E-06	4.80E-06	3.31E-07
4026	469926.71	3818373.67	1.70E-05	7.15E-05	6.44E-06	1.42E-05	5.26E-05	4.62E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
4027	469935.6	3818370.15	1.71E-05	7.18E-05	6.46E-06	1.42E-05	5.27E-05	4.64E-06	1.61E-06	9.24E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
4028	469944.48	3818366.63	1.72E-05	7.21E-05	6.49E-06	1.43E-05	5.30E-05	4.66E-06	1.62E-06	9.28E-06	1.11E-06	1.47E-06	4.86E-06	3.35E-07
4029	469953.37	3818363.11	1.72E-05	7.24E-05	6.52E-06	1.44E-05	5.32E-05	4.68E-06	1.63E-06	9.32E-06	1.11E-06	1.48E-06	4.88E-06	3.36E-07
4030	469962.26	3818359.59	1.73E-05	7.27E-05	6.55E-06	1.44E-05	5.34E-05	4.70E-06	1.63E-06	9.36E-06	1.12E-06	1.49E-06	4.90E-06	3.38E-07
4031	469971.14	3818356.07	1.74E-05	7.31E-05	6.58E-06	1.45E-05	5.37E-05	4.72E-06	1.64E-06	9.40E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
4032	469980.03	3818352.55	1.75E-05	7.35E-05	6.62E-06	1.46E-05	5.40E-05	4.75E-06	1.65E-06	9.46E-06	1.13E-06	1.50E-06	4.95E-06	3.41E-07
4033	469988.92	3818349.03	1.76E-05	7.39E-05	6.65E-06	1.46E-05	5.43E-05	4.77E-06	1.66E-06	9.51E-06	1.13E-06	1.51E-06	4.98E-06	3.43E-07
4034	469997.8	3818345.51	1.77E-05	7.43E-05	6.69E-06	1.47E-05	5.46E-05	4.80E-06	1.67E-06	9.56E-06	1.14E-06	1.52E-06	5.01E-06	3.45E-07
4035	470006.69	3818341.99	1.78E-05	7.47E-05	6.73E-06	1.48E-05	5.49E-05	4.83E-06	1.68E-06	9.62E-06	1.15E-06	1.53E-06	5.04E-06	3.47E-07
4036	470033.35	3818331.43	1.82E-05	7.63E-05	6.87E-06	1.51E-05	5.61E-05	4.93E-06	1.72E-06	9.82E-06	1.17E-06	1.56E-06	5.14E-06	3.54E-07
4037	470042.24	3818327.91	1.83E-05	7.68E-05	6.92E-06	1.52E-05	5.64E-05	4.96E-06	1.73E-06	9.88E-06	1.18E-06	1.57E-06	5.18E-06	3.57E-07
4038	470051.13	3818324.39	1.84E-05	7.72E-05	6.96E-06	1.53E-05	5.68E-05	4.99E-06	1.74E-06	9.94E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07

4039	470060.01	3818320.87	1.85E-05	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.01E-06	1.74E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.60E-07
4040	470068.9	3818317.35	1.85E-05	7.79E-05	7.01E-06	1.54E-05	5.72E-05	5.03E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.25E-06	3.62E-07
4041	470077.79	3818313.83	1.86E-05	7.81E-05	7.03E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.26E-06	3.63E-07
4042	470086.67	3818310.31	1.86E-05	7.82E-05	7.04E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.27E-06	3.63E-07
4043	470095.56	3818306.79	1.86E-05	7.82E-05	7.04E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.27E-06	3.63E-07
4044	470104.45	3818303.27	1.86E-05	7.81E-05	7.03E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.26E-06	3.63E-07
4045	470113.33	3818299.75	1.85E-05	7.79E-05	7.01E-06	1.54E-05	5.72E-05	5.03E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.25E-06	3.62E-07
4046	469168.75	3819236.62	5.29E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.44E-06	4.99E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
4047	469168.56	3819246.27	5.37E-06	2.26E-05	2.03E-06	4.48E-06	1.66E-05	1.46E-06	5.07E-07	2.90E-06	3.47E-07	4.61E-07	1.52E-06	1.05E-07
4048	469168.37	3819255.92	5.46E-06	2.29E-05	2.06E-06	4.55E-06	1.68E-05	1.48E-06	5.16E-07	2.95E-06	3.52E-07	4.69E-07	1.55E-06	1.07E-07
4049	469168.17	3819265.56	5.55E-06	2.33E-05	2.10E-06	4.62E-06	1.71E-05	1.51E-06	5.24E-07	3.00E-06	3.58E-07	4.76E-07	1.57E-06	1.08E-07
4050	469167.98	3819275.21	5.63E-06	2.37E-05	2.13E-06	4.69E-06	1.74E-05	1.53E-06	5.32E-07	3.05E-06	3.63E-07	4.84E-07	1.59E-06	1.10E-07
4051	469167.79	3819284.86	5.72E-06	2.40E-05	2.16E-06	4.76E-06	1.77E-05	1.55E-06	5.40E-07	3.09E-06	3.69E-07	4.91E-07	1.62E-06	1.12E-07
4052	469167.59	3819294.51	5.81E-06	2.44E-05	2.20E-06	4.84E-06	1.79E-05	1.58E-06	5.49E-07	3.14E-06	3.75E-07	4.99E-07	1.64E-06	1.13E-07
4053	469167.4	3819304.16	5.90E-06	2.48E-05	2.23E-06	4.91E-06	1.82E-05	1.60E-06	5.57E-07	3.19E-06	3.80E-07	5.06E-07	1.67E-06	1.15E-07
4054	469167.21	3819313.8	5.98E-06	2.51E-05	2.26E-06	4.98E-06	1.85E-05	1.62E-06	5.65E-07	3.23E-06	3.86E-07	5.13E-07	1.69E-06	1.17E-07
4055	469167.01	3819323.45	6.07E-06	2.55E-05	2.29E-06	5.05E-06	1.87E-05	1.65E-06	5.73E-07	3.28E-06	3.91E-07	5.21E-07	1.72E-06	1.18E-07
4056	469166.82	3819333.1	6.15E-06	2.58E-05	2.33E-06	5.12E-06	1.90E-05	1.67E-06	5.81E-07	3.32E-06	3.97E-07	5.28E-07	1.74E-06	1.20E-07
4057	469166.63	3819342.75	6.23E-06	2.62E-05	2.36E-06	5.19E-06	1.92E-05	1.69E-06	5.88E-07	3.37E-06	4.02E-07	5.35E-07	1.76E-06	1.22E-07
4058	469166.43	3819352.4	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.99E-07	3.43E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
4059	469166.24	3819362.05	6.44E-06	2.70E-05	2.43E-06	5.36E-06	1.99E-05	1.75E-06	6.08E-07	3.48E-06	4.15E-07	5.53E-07	1.82E-06	1.26E-07
4060	469166.05	3819371.69	6.53E-06	2.74E-05	2.47E-06	5.44E-06	2.02E-05	1.77E-06	6.17E-07	3.53E-06	4.21E-07	5.61E-07	1.85E-06	1.27E-07
4061	469165.85	3819381.34	6.64E-06	2.79E-05	2.51E-06	5.53E-06	2.05E-05	1.80E-06	6.27E-07	3.59E-06	4.29E-07	5.70E-07	1.88E-06	1.30E-07
4062	469165.66	3819390.99	6.75E-06	2.84E-05	2.55E-06	5.63E-06	2.08E-05	1.83E-06	6.38E-07	3.65E-06	4.36E-07	5.80E-07	1.91E-06	1.32E-07
4063	469165.47	3819400.64	6.87E-06	2.89E-05	2.60E-06	5.73E-06	2.12E-05	1.87E-06	6.49E-07	3.72E-06	4.43E-07	5.90E-07	1.95E-06	1.34E-07
4064	469165.27	3819410.29	6.99E-06	2.94E-05	2.64E-06	5.82E-06	2.16E-05	1.90E-06	6.60E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
4065	469165.08	3819419.93	7.11E-06	2.98E-05	2.69E-06	5.92E-06	2.19E-05	1.93E-06	6.71E-07	3.84E-06	4.58E-07	6.10E-07	2.01E-06	1.39E-07
4066	469164.89	3819429.58	7.23E-06	3.03E-05	2.73E-06	6.02E-06	2.23E-05	1.96E-06	6.82E-07	3.91E-06	4.66E-07	6.20E-07	2.05E-06	1.41E-07
4067	469096.83	3819198.12	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.80E-07	3.72E-07	1.23E-06	8.46E-08
4068	469100.67	3819189.31	4.31E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.40E-08
4069	469104.51	3819180.51	4.28E-06	1.80E-05	1.62E-06	3.56E-06	1.32E-05	1.16E-06	4.04E-07	2.31E-06	2.76E-07	3.67E-07	1.21E-06	8.34E-08
4070	469108.35	3819171.71	4.25E-06	1.79E-05	1.61E-06	3.54E-06	1.31E-05	1.15E-06	4.02E-07	2.30E-06	2.74E-07	3.65E-07	1.20E-06	8.30E-08
4071	469112.19	3819162.9	4.23E-06	1.78E-05	1.60E-06	3.53E-06	1.31E-05	1.15E-06	4.00E-07	2.29E-06	2.73E-07	3.63E-07	1.20E-06	8.26E-08
4072	469116.03	3819154.1	4.21E-06	1.77E-05	1.59E-06	3.51E-06	1.30E-05	1.14E-06	3.98E-07	2.28E-06	2.72E-07	3.62E-07	1.19E-06	8.22E-08
4073	469119.87	3819145.3	4.19E-06	1.76E-05	1.59E-06	3.49E-06	1.29E-05	1.14E-06	3.96E-07	2.27E-06	2.71E-07	3.60E-07	1.19E-06	8.19E-08
4074	469123.71	3819136.49	4.18E-06	1.76E-05	1.58E-06	3.48E-06	1.29E-05	1.13E-06	3.95E-07	2.26E-06	2.70E-07	3.59E-07	1.18E-06	8.16E-08
4075	469127.54	3819127.69	4.18E-06	1.76E-05	1.58E-06	3.48E-06	1.29E-05	1.13E-06	3.95E-07	2.26E-06	2.70E-07	3.59E-07	1.18E-06	8.16E-08
4076	469131.38	3819118.89	4.18E-06	1.76E-05	1.58E-06	3.48E-06	1.29E-05	1.13E-06	3.95E-07	2.26E-06	2.70E-07	3.59E-07	1.18E-06	8.16E-08
4077	469135.22	3819110.09	4.19E-06	1.76E-05	1.58E-06	3.49E-06	1.29E-05	1.14E-06	3.95E-07	2.26E-06	2.70E-07	3.59E-07	1.18E-06	8.17E-08
4078	469139.06	3819101.28	4.19E-06	1.76E-05	1.58E-06	3.49E-06	1.29E-05	1.14E-06	3.96E-07	2.27E-06	2.70E-07	3.60E-07	1.19E-06	8.18E-08
4079	469142.9	3819092.48	4.20E-06	1.77E-05	1.59E-06	3.50E-06	1.30E-05	1.14E-06	3.97E-07	2.27E-06	2.71E-07	3.61E-07	1.19E-06	8.20E-08
4080	469146.74	3819083.68	4.22E-06	1.77E-05	1.60E-06	3.52E-06	1.30E-05	1.15E-06	3.99E-07	2.28E-06	2.72E-07	3.63E-07	1.20E-06	8.24E-08
4081	469150.58	3819074.87	4.25E-06	1.78E-05	1.61E-06	3.54E-06	1.31E-05	1.15E-06	4.01E-07	2.30E-06	2.74E-07	3.65E-07	1.20E-06	8.29E-08

4082	469154.42	3819066.07	4.28E-06	1.80E-05	1.62E-06	3.56E-06	1.32E-05	1.16E-06	4.04E-07	2.31E-06	2.76E-07	3.67E-07	1.21E-06	8.34E-08
4083	469158.26	3819057.27	4.31E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.40E-08
4084	469162.1	3819048.47	4.34E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.10E-07	2.35E-06	2.80E-07	3.72E-07	1.23E-06	8.47E-08
4085	469165.94	3819039.66	4.38E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.14E-07	2.37E-06	2.83E-07	3.76E-07	1.24E-06	8.55E-08
4086	469169.77	3819030.86	4.43E-06	1.86E-05	1.67E-06	3.69E-06	1.37E-05	1.20E-06	4.18E-07	2.39E-06	2.85E-07	3.80E-07	1.25E-06	8.64E-08
4087	469173.61	3819022.06	4.47E-06	1.88E-05	1.69E-06	3.73E-06	1.38E-05	1.21E-06	4.22E-07	2.42E-06	2.89E-07	3.84E-07	1.27E-06	8.73E-08
4088	469177.45	3819013.25	4.52E-06	1.90E-05	1.71E-06	3.77E-06	1.40E-05	1.23E-06	4.27E-07	2.44E-06	2.92E-07	3.88E-07	1.28E-06	8.82E-08
4089	469181.29	3819004.45	4.58E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.48E-06	2.95E-07	3.93E-07	1.30E-06	8.94E-08
4090	469185.13	3818995.65	4.64E-06	1.95E-05	1.76E-06	3.87E-06	1.43E-05	1.26E-06	4.38E-07	2.51E-06	2.99E-07	3.99E-07	1.31E-06	9.06E-08
4091	469188.97	3818986.85	4.70E-06	1.98E-05	1.78E-06	3.92E-06	1.45E-05	1.28E-06	4.44E-07	2.54E-06	3.03E-07	4.04E-07	1.33E-06	9.18E-08
4092	469192.81	3818978.04	4.77E-06	2.00E-05	1.80E-06	3.97E-06	1.47E-05	1.29E-06	4.50E-07	2.58E-06	3.07E-07	4.09E-07	1.35E-06	9.30E-08
4093	469196.65	3818969.24	4.84E-06	2.03E-05	1.83E-06	4.03E-06	1.49E-05	1.31E-06	4.57E-07	2.62E-06	3.12E-07	4.15E-07	1.37E-06	9.44E-08
4094	469200.49	3818960.44	4.92E-06	2.06E-05	1.86E-06	4.10E-06	1.52E-05	1.33E-06	4.64E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.59E-08
4095	469204.33	3818951.63	4.99E-06	2.10E-05	1.89E-06	4.16E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.22E-07	4.29E-07	1.41E-06	9.74E-08
4096	469208.16	3818942.83	5.08E-06	2.13E-05	1.92E-06	4.23E-06	1.57E-05	1.38E-06	4.79E-07	2.74E-06	3.27E-07	4.36E-07	1.44E-06	9.90E-08
4097	469212	3818934.03	5.15E-06	2.16E-05	1.95E-06	4.29E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.32E-07	4.42E-07	1.46E-06	1.01E-07
4098	469215.84	3818925.23	5.24E-06	2.20E-05	1.98E-06	4.36E-06	1.62E-05	1.42E-06	4.95E-07	2.83E-06	3.38E-07	4.50E-07	1.48E-06	1.02E-07
4099	469219.68	3818916.42	5.33E-06	2.24E-05	2.02E-06	4.44E-06	1.65E-05	1.45E-06	5.04E-07	2.88E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
4100	469223.52	3818907.62	5.44E-06	2.28E-05	2.06E-06	4.53E-06	1.68E-05	1.48E-06	5.13E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
4101	469227.36	3818898.82	5.54E-06	2.33E-05	2.10E-06	4.62E-06	1.71E-05	1.50E-06	5.23E-07	3.00E-06	3.57E-07	4.76E-07	1.57E-06	1.08E-07
4102	469231.2	3818890.01	5.65E-06	2.37E-05	2.14E-06	4.70E-06	1.74E-05	1.53E-06	5.33E-07	3.05E-06	3.64E-07	4.85E-07	1.60E-06	1.10E-07
4103	469235.04	3818881.21	5.76E-06	2.42E-05	2.18E-06	4.80E-06	1.78E-05	1.56E-06	5.44E-07	3.11E-06	3.71E-07	4.94E-07	1.63E-06	1.12E-07
4104	469238.88	3818872.41	5.87E-06	2.46E-05	2.22E-06	4.89E-06	1.81E-05	1.59E-06	5.54E-07	3.17E-06	3.79E-07	5.04E-07	1.66E-06	1.15E-07
4105	469242.72	3818863.61	5.98E-06	2.51E-05	2.26E-06	4.98E-06	1.85E-05	1.62E-06	5.65E-07	3.24E-06	3.86E-07	5.14E-07	1.69E-06	1.17E-07
4106	469246.55	3818854.8	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.65E-06	5.76E-07	3.29E-06	3.93E-07	5.23E-07	1.73E-06	1.19E-07
4107	469250.39	3818846	6.21E-06	2.61E-05	2.35E-06	5.17E-06	1.92E-05	1.69E-06	5.86E-07	3.36E-06	4.01E-07	5.33E-07	1.76E-06	1.21E-07
4108	469254.23	3818837.2	6.33E-06	2.66E-05	2.39E-06	5.27E-06	1.95E-05	1.72E-06	5.97E-07	3.42E-06	4.08E-07	5.43E-07	1.79E-06	1.23E-07
4109	469277.27	3818784.38	6.99E-06	2.94E-05	2.64E-06	5.82E-06	2.16E-05	1.90E-06	6.60E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
4110	469281.11	3818775.58	7.09E-06	2.98E-05	2.68E-06	5.91E-06	2.19E-05	1.92E-06	6.70E-07	3.83E-06	4.57E-07	6.09E-07	2.01E-06	1.38E-07
4111	469284.95	3818766.77	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.04E-06	1.40E-07
4112	469288.78	3818757.97	7.29E-06	3.06E-05	2.76E-06	6.07E-06	2.25E-05	1.98E-06	6.88E-07	3.94E-06	4.70E-07	6.26E-07	2.06E-06	1.42E-07
4113	469292.62	3818749.17	7.38E-06	3.10E-05	2.79E-06	6.15E-06	2.28E-05	2.00E-06	6.97E-07	3.99E-06	4.76E-07	6.33E-07	2.09E-06	1.44E-07
4114	469296.46	3818740.36	7.47E-06	3.14E-05	2.82E-06	6.22E-06	2.30E-05	2.03E-06	7.05E-07	4.04E-06	4.82E-07	6.41E-07	2.11E-06	1.46E-07
4115	469300.3	3818731.56	7.55E-06	3.17E-05	2.85E-06	6.29E-06	2.33E-05	2.05E-06	7.13E-07	4.08E-06	4.87E-07	6.48E-07	2.14E-06	1.47E-07
4116	469304.14	3818722.76	7.62E-06	3.20E-05	2.88E-06	6.35E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.92E-07	6.55E-07	2.16E-06	1.49E-07
4117	469307.98	3818713.96	7.69E-06	3.23E-05	2.91E-06	6.41E-06	2.37E-05	2.09E-06	7.26E-07	4.16E-06	4.96E-07	6.60E-07	2.18E-06	1.50E-07
4118	469311.82	3818705.15	7.76E-06	3.26E-05	2.94E-06	6.47E-06	2.40E-05	2.11E-06	7.33E-07	4.20E-06	5.01E-07	6.67E-07	2.20E-06	1.52E-07
4119	469315.66	3818696.35	7.83E-06	3.29E-05	2.96E-06	6.52E-06	2.42E-05	2.12E-06	7.39E-07	4.23E-06	5.05E-07	6.72E-07	2.22E-06	1.53E-07
4120	469319.5	3818687.55	7.88E-06	3.31E-05	2.98E-06	6.57E-06	2.43E-05	2.14E-06	7.45E-07	4.26E-06	5.09E-07	6.77E-07	2.23E-06	1.54E-07
4121	469323.34	3818678.74	7.94E-06	3.34E-05	3.00E-06	6.62E-06	2.45E-05	2.16E-06	7.50E-07	4.29E-06	5.12E-07	6.82E-07	2.25E-06	1.55E-07
4122	469327.17	3818669.94	8.00E-06	3.36E-05	3.02E-06	6.66E-06	2.47E-05	2.17E-06	7.55E-07	4.32E-06	5.16E-07	6.86E-07	2.26E-06	1.56E-07
4123	469331.01	3818661.14	8.04E-06	3.38E-05	3.04E-06	6.70E-06	2.48E-05	2.18E-06	7.60E-07	4.35E-06	5.19E-07	6.90E-07	2.28E-06	1.57E-07
4124	469334.85	3818652.34	8.09E-06	3.40E-05	3.06E-06	6.74E-06	2.50E-05	2.20E-06	7.64E-07	4.37E-06	5.22E-07	6.95E-07	2.29E-06	1.58E-07

4125	469338.69	3818643.53	8.14E-06	3.42E-05	3.08E-06	6.78E-06	2.51E-05	2.21E-06	7.69E-07	4.40E-06	5.25E-07	6.99E-07	2.30E-06	1.59E-07
4126	469342.53	3818634.73	8.18E-06	3.44E-05	3.09E-06	6.82E-06	2.53E-05	2.22E-06	7.73E-07	4.42E-06	5.28E-07	7.02E-07	2.32E-06	1.60E-07
4127	469346.37	3818625.93	8.23E-06	3.45E-05	3.11E-06	6.85E-06	2.54E-05	2.23E-06	7.77E-07	4.45E-06	5.31E-07	7.06E-07	2.33E-06	1.61E-07
4128	469350.21	3818617.12	8.26E-06	3.47E-05	3.13E-06	6.88E-06	2.55E-05	2.24E-06	7.80E-07	4.47E-06	5.33E-07	7.09E-07	2.34E-06	1.61E-07
4129	469354.05	3818608.32	8.30E-06	3.49E-05	3.14E-06	6.92E-06	2.56E-05	2.25E-06	7.84E-07	4.49E-06	5.36E-07	7.13E-07	2.35E-06	1.62E-07
4130	469357.89	3818599.52	8.35E-06	3.51E-05	3.16E-06	6.95E-06	2.58E-05	2.27E-06	7.88E-07	4.51E-06	5.38E-07	7.17E-07	2.36E-06	1.63E-07
4131	469361.73	3818590.72	8.38E-06	3.52E-05	3.17E-06	6.98E-06	2.59E-05	2.28E-06	7.92E-07	4.53E-06	5.41E-07	7.20E-07	2.37E-06	1.64E-07
4132	469365.56	3818581.91	8.41E-06	3.53E-05	3.18E-06	7.01E-06	2.60E-05	2.28E-06	7.95E-07	4.55E-06	5.43E-07	7.22E-07	2.38E-06	1.64E-07
4133	469369.4	3818573.11	8.44E-06	3.55E-05	3.19E-06	7.03E-06	2.61E-05	2.29E-06	7.97E-07	4.56E-06	5.45E-07	7.25E-07	2.39E-06	1.65E-07
4134	469373.24	3818564.31	8.48E-06	3.56E-05	3.21E-06	7.06E-06	2.62E-05	2.30E-06	8.00E-07	4.58E-06	5.47E-07	7.28E-07	2.40E-06	1.65E-07
4135	469377.08	3818555.5	8.52E-06	3.58E-05	3.22E-06	7.10E-06	2.63E-05	2.31E-06	8.05E-07	4.61E-06	5.50E-07	7.31E-07	2.41E-06	1.66E-07
4136	469380.92	3818546.7	8.56E-06	3.60E-05	3.24E-06	7.13E-06	2.64E-05	2.32E-06	8.09E-07	4.63E-06	5.52E-07	7.35E-07	2.42E-06	1.67E-07
4137	469384.76	3818537.9	8.61E-06	3.61E-05	3.25E-06	7.17E-06	2.66E-05	2.34E-06	8.13E-07	4.65E-06	5.55E-07	7.39E-07	2.44E-06	1.68E-07
4138	469388.6	3818529.09	8.64E-06	3.63E-05	3.27E-06	7.20E-06	2.67E-05	2.35E-06	8.16E-07	4.67E-06	5.58E-07	7.42E-07	2.45E-06	1.69E-07
4139	469392.44	3818520.29	8.68E-06	3.64E-05	3.28E-06	7.23E-06	2.68E-05	2.36E-06	8.20E-07	4.69E-06	5.60E-07	7.45E-07	2.46E-06	1.69E-07
4140	469396.28	3818511.49	8.71E-06	3.66E-05	3.29E-06	7.26E-06	2.69E-05	2.36E-06	8.23E-07	4.71E-06	5.62E-07	7.48E-07	2.47E-06	1.70E-07
4141	469409.05	3818499.15	8.93E-06	3.75E-05	3.38E-06	7.44E-06	2.76E-05	2.42E-06	8.43E-07	4.83E-06	5.76E-07	7.66E-07	2.53E-06	1.74E-07
4142	469417.97	3818495.61	9.10E-06	3.82E-05	3.44E-06	7.58E-06	2.81E-05	2.47E-06	8.59E-07	4.92E-06	5.87E-07	7.81E-07	2.57E-06	1.78E-07
4143	469426.9	3818492.08	9.26E-06	3.89E-05	3.50E-06	7.71E-06	2.86E-05	2.51E-06	8.74E-07	5.00E-06	5.97E-07	7.95E-07	2.62E-06	1.81E-07
4144	469435.83	3818488.54	9.41E-06	3.95E-05	3.56E-06	7.84E-06	2.91E-05	2.56E-06	8.89E-07	5.09E-06	6.07E-07	8.08E-07	2.66E-06	1.84E-07
4145	469444.76	3818485	9.57E-06	4.02E-05	3.62E-06	7.97E-06	2.95E-05	2.60E-06	9.04E-07	5.18E-06	6.17E-07	8.22E-07	2.71E-06	1.87E-07
4146	469453.69	3818481.47	9.74E-06	4.09E-05	3.68E-06	8.11E-06	3.00E-05	2.64E-06	9.19E-07	5.26E-06	6.28E-07	8.36E-07	2.76E-06	1.90E-07
4147	469462.62	3818477.93	9.90E-06	4.16E-05	3.74E-06	8.25E-06	3.06E-05	2.69E-06	9.35E-07	5.35E-06	6.39E-07	8.50E-07	2.80E-06	1.93E-07
4148	469471.55	3818474.4	1.01E-05	4.22E-05	3.80E-06	8.38E-06	3.10E-05	2.73E-06	9.50E-07	5.44E-06	6.49E-07	8.64E-07	2.85E-06	1.96E-07
4149	469480.48	3818470.86	1.02E-05	4.29E-05	3.86E-06	8.51E-06	3.15E-05	2.77E-06	9.65E-07	5.52E-06	6.59E-07	8.77E-07	2.89E-06	1.99E-07
4150	469507.26	3818460.25	1.06E-05	4.47E-05	4.02E-06	8.86E-06	3.28E-05	2.89E-06	1.00E-06	5.75E-06	6.86E-07	9.13E-07	3.01E-06	2.08E-07
4151	469516.19	3818456.71	1.08E-05	4.52E-05	4.07E-06	8.97E-06	3.32E-05	2.92E-06	1.02E-06	5.82E-06	6.95E-07	9.25E-07	3.05E-06	2.10E-07
4152	469525.12	3818453.18	1.09E-05	4.58E-05	4.12E-06	9.08E-06	3.36E-05	2.96E-06	1.03E-06	5.89E-06	7.03E-07	9.35E-07	3.08E-06	2.13E-07
4153	469534.05	3818449.64	1.10E-05	4.62E-05	4.16E-06	9.17E-06	3.40E-05	2.99E-06	1.04E-06	5.95E-06	7.10E-07	9.45E-07	3.12E-06	2.15E-07
4154	469542.98	3818446.1	1.11E-05	4.67E-05	4.21E-06	9.27E-06	3.43E-05	3.02E-06	1.05E-06	6.02E-06	7.18E-07	9.55E-07	3.15E-06	2.17E-07
4155	469551.91	3818442.57	1.12E-05	4.72E-05	4.25E-06	9.36E-06	3.47E-05	3.05E-06	1.06E-06	6.07E-06	7.25E-07	9.64E-07	3.18E-06	2.19E-07
4156	469560.83	3818439.03	1.13E-05	4.76E-05	4.29E-06	9.44E-06	3.50E-05	3.08E-06	1.07E-06	6.13E-06	7.31E-07	9.73E-07	3.21E-06	2.21E-07
4157	469569.76	3818435.5	1.14E-05	4.80E-05	4.33E-06	9.53E-06	3.53E-05	3.11E-06	1.08E-06	6.18E-06	7.38E-07	9.82E-07	3.24E-06	2.23E-07
4158	469659.05	3818400.13	1.25E-05	5.23E-05	4.71E-06	1.04E-05	3.85E-05	3.38E-06	1.18E-06	6.74E-06	8.04E-07	1.07E-06	3.53E-06	2.43E-07
4159	469667.98	3818396.6	1.26E-05	5.28E-05	4.75E-06	1.05E-05	3.88E-05	3.41E-06	1.19E-06	6.80E-06	8.11E-07	1.08E-06	3.56E-06	2.45E-07
4160	469676.91	3818393.06	1.27E-05	5.32E-05	4.79E-06	1.06E-05	3.91E-05	3.44E-06	1.20E-06	6.85E-06	8.17E-07	1.09E-06	3.59E-06	2.47E-07
4161	469712.62	3818378.91	1.31E-05	5.50E-05	4.95E-06	1.09E-05	4.04E-05	3.55E-06	1.24E-06	7.07E-06	8.44E-07	1.12E-06	3.70E-06	2.55E-07
4162	469721.55	3818375.38	1.32E-05	5.54E-05	4.99E-06	1.10E-05	4.07E-05	3.58E-06	1.25E-06	7.13E-06	8.51E-07	1.13E-06	3.73E-06	2.57E-07
4163	469730.48	3818371.84	1.33E-05	5.59E-05	5.03E-06	1.11E-05	4.10E-05	3.61E-06	1.26E-06	7.19E-06	8.58E-07	1.14E-06	3.77E-06	2.60E-07
4164	469739.41	3818368.3	1.34E-05	5.63E-05	5.07E-06	1.12E-05	4.14E-05	3.64E-06	1.27E-06	7.25E-06	8.64E-07	1.15E-06	3.79E-06	2.62E-07
4165	469748.34	3818364.77	1.35E-05	5.67E-05	5.11E-06	1.12E-05	4.17E-05	3.66E-06	1.27E-06	7.30E-06	8.71E-07	1.16E-06	3.82E-06	2.63E-07
4166	469757.27	3818361.23	1.36E-05	5.71E-05	5.14E-06	1.13E-05	4.20E-05	3.69E-06	1.28E-06	7.35E-06	8.77E-07	1.17E-06	3.85E-06	2.65E-07
4167	469766.2	3818357.7	1.37E-05	5.75E-05	5.18E-06	1.14E-05	4.22E-05	3.72E-06	1.29E-06	7.40E-06	8.83E-07	1.18E-06	3.88E-06	2.67E-07

4168	469775.13	3818354.16	1.38E-05	5.79E-05	5.21E-06	1.15E-05	4.25E-05	3.74E-06	1.30E-06	7.45E-06	8.89E-07	1.18E-06	3.90E-06	2.69E-07
4169	469784.05	3818350.62	1.39E-05	5.82E-05	5.25E-06	1.16E-05	4.28E-05	3.76E-06	1.31E-06	7.50E-06	8.95E-07	1.19E-06	3.93E-06	2.71E-07
4170	469792.98	3818347.09	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.32E-06	7.54E-06	8.99E-07	1.20E-06	3.95E-06	2.72E-07
4171	469801.91	3818343.55	1.40E-05	5.88E-05	5.30E-06	1.17E-05	4.32E-05	3.80E-06	1.32E-06	7.58E-06	9.04E-07	1.20E-06	3.97E-06	2.73E-07
4172	469810.84	3818340.01	1.41E-05	5.92E-05	5.33E-06	1.17E-05	4.35E-05	3.82E-06	1.33E-06	7.61E-06	9.09E-07	1.21E-06	3.99E-06	2.75E-07
4173	469819.77	3818336.48	1.41E-05	5.94E-05	5.35E-06	1.18E-05	4.37E-05	3.84E-06	1.34E-06	7.65E-06	9.13E-07	1.21E-06	4.00E-06	2.76E-07
4174	469828.7	3818332.94	1.42E-05	5.96E-05	5.37E-06	1.18E-05	4.38E-05	3.85E-06	1.34E-06	7.68E-06	9.16E-07	1.22E-06	4.02E-06	2.77E-07
4175	469837.63	3818329.4	1.43E-05	5.99E-05	5.39E-06	1.19E-05	4.40E-05	3.87E-06	1.35E-06	7.71E-06	9.19E-07	1.22E-06	4.03E-06	2.78E-07
4176	469846.56	3818325.87	1.43E-05	6.01E-05	5.41E-06	1.19E-05	4.41E-05	3.88E-06	1.35E-06	7.73E-06	9.22E-07	1.23E-06	4.05E-06	2.79E-07
4177	469855.48	3818322.33	1.43E-05	6.02E-05	5.42E-06	1.19E-05	4.43E-05	3.89E-06	1.35E-06	7.75E-06	9.25E-07	1.23E-06	4.06E-06	2.80E-07
4178	469864.41	3818318.8	1.44E-05	6.04E-05	5.44E-06	1.20E-05	4.44E-05	3.90E-06	1.36E-06	7.77E-06	9.27E-07	1.23E-06	4.07E-06	2.81E-07
4179	469873.34	3818315.26	1.44E-05	6.05E-05	5.45E-06	1.20E-05	4.45E-05	3.91E-06	1.36E-06	7.79E-06	9.30E-07	1.24E-06	4.08E-06	2.81E-07
4180	469882.27	3818311.72	1.44E-05	6.07E-05	5.46E-06	1.20E-05	4.46E-05	3.92E-06	1.36E-06	7.81E-06	9.32E-07	1.24E-06	4.09E-06	2.82E-07
4181	469891.2	3818308.19	1.45E-05	6.08E-05	5.48E-06	1.21E-05	4.47E-05	3.93E-06	1.37E-06	7.83E-06	9.34E-07	1.24E-06	4.10E-06	2.83E-07
4182	469900.13	3818304.65	1.45E-05	6.10E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.85E-06	9.36E-07	1.25E-06	4.11E-06	2.83E-07
4183	469909.06	3818301.11	1.46E-05	6.12E-05	5.51E-06	1.21E-05	4.49E-05	3.95E-06	1.38E-06	7.87E-06	9.39E-07	1.25E-06	4.12E-06	2.84E-07
4184	469917.99	3818297.58	1.46E-05	6.14E-05	5.53E-06	1.22E-05	4.51E-05	3.97E-06	1.38E-06	7.91E-06	9.43E-07	1.26E-06	4.14E-06	2.85E-07
4185	469926.92	3818294.04	1.47E-05	6.17E-05	5.56E-06	1.22E-05	4.54E-05	3.99E-06	1.39E-06	7.94E-06	9.48E-07	1.26E-06	4.16E-06	2.87E-07
4186	469935.84	3818290.51	1.48E-05	6.20E-05	5.58E-06	1.23E-05	4.56E-05	4.01E-06	1.39E-06	7.98E-06	9.52E-07	1.27E-06	4.18E-06	2.88E-07
4187	469944.77	3818286.97	1.48E-05	6.23E-05	5.61E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.02E-06	9.57E-07	1.27E-06	4.20E-06	2.89E-07
4188	469953.7	3818283.43	1.49E-05	6.26E-05	5.63E-06	1.24E-05	4.60E-05	4.04E-06	1.41E-06	8.05E-06	9.61E-07	1.28E-06	4.22E-06	2.91E-07
4189	469962.63	3818279.9	1.50E-05	6.29E-05	5.66E-06	1.25E-05	4.62E-05	4.07E-06	1.41E-06	8.10E-06	9.66E-07	1.29E-06	4.24E-06	2.92E-07
4190	469971.56	3818276.36	1.51E-05	6.33E-05	5.70E-06	1.25E-05	4.65E-05	4.09E-06	1.42E-06	8.14E-06	9.72E-07	1.29E-06	4.26E-06	2.94E-07
4191	469980.49	3818272.82	1.51E-05	6.36E-05	5.73E-06	1.26E-05	4.67E-05	4.11E-06	1.43E-06	8.19E-06	9.77E-07	1.30E-06	4.29E-06	2.96E-07
4192	469989.42	3818269.29	1.52E-05	6.40E-05	5.76E-06	1.27E-05	4.70E-05	4.14E-06	1.44E-06	8.24E-06	9.83E-07	1.31E-06	4.31E-06	2.97E-07
4193	469998.35	3818265.75	1.54E-05	6.45E-05	5.81E-06	1.28E-05	4.74E-05	4.17E-06	1.45E-06	8.31E-06	9.91E-07	1.32E-06	4.35E-06	3.00E-07
4194	470007.27	3818262.21	1.55E-05	6.50E-05	5.86E-06	1.29E-05	4.78E-05	4.20E-06	1.46E-06	8.37E-06	9.99E-07	1.33E-06	4.38E-06	3.02E-07
4195	470034.06	3818251.61	1.58E-05	6.64E-05	5.98E-06	1.32E-05	4.88E-05	4.29E-06	1.49E-06	8.55E-06	1.02E-06	1.36E-06	4.47E-06	3.08E-07
4196	470042.99	3818248.07	1.59E-05	6.68E-05	6.01E-06	1.32E-05	4.91E-05	4.32E-06	1.50E-06	8.59E-06	1.03E-06	1.36E-06	4.50E-06	3.10E-07
4197	470051.92	3818244.53	1.60E-05	6.71E-05	6.04E-06	1.33E-05	4.93E-05	4.34E-06	1.51E-06	8.64E-06	1.03E-06	1.37E-06	4.52E-06	3.12E-07
4198	470060.85	3818241	1.60E-05	6.74E-05	6.07E-06	1.34E-05	4.95E-05	4.36E-06	1.52E-06	8.68E-06	1.04E-06	1.38E-06	4.54E-06	3.13E-07
4199	470069.78	3818237.46	1.61E-05	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
4200	470078.7	3818233.92	1.61E-05	6.77E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.71E-06	1.04E-06	1.38E-06	4.56E-06	3.14E-07
4201	470087.63	3818230.39	1.61E-05	6.77E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.71E-06	1.04E-06	1.38E-06	4.56E-06	3.14E-07
4202	470096.56	3818226.85	1.61E-05	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
4203	470105.49	3818223.31	1.60E-05	6.74E-05	6.07E-06	1.34E-05	4.95E-05	4.36E-06	1.52E-06	8.68E-06	1.04E-06	1.38E-06	4.54E-06	3.13E-07
4204	470114.42	3818219.78	1.60E-05	6.71E-05	6.05E-06	1.33E-05	4.93E-05	4.34E-06	1.51E-06	8.64E-06	1.03E-06	1.37E-06	4.52E-06	3.12E-07
4205	469078.55	3819055.02	3.64E-06	1.53E-05	1.38E-06	3.03E-06	1.12E-05	9.87E-07	3.43E-07	1.97E-06	2.35E-07	3.12E-07	1.03E-06	7.10E-08
4206	469082.41	3819046.19	3.65E-06	1.53E-05	1.38E-06	3.04E-06	1.13E-05	9.91E-07	3.45E-07	1.97E-06	2.36E-07	3.13E-07	1.03E-06	7.12E-08
4207	469086.26	3819037.35	3.68E-06	1.55E-05	1.39E-06	3.07E-06	1.14E-05	9.99E-07	3.48E-07	1.99E-06	2.37E-07	3.16E-07	1.04E-06	7.18E-08
4208	469090.12	3819028.51	3.70E-06	1.56E-05	1.40E-06	3.09E-06	1.14E-05	1.01E-06	3.50E-07	2.00E-06	2.39E-07	3.18E-07	1.05E-06	7.23E-08
4209	469093.97	3819019.67	3.74E-06	1.57E-05	1.42E-06	3.12E-06	1.15E-05	1.02E-06	3.53E-07	2.02E-06	2.41E-07	3.21E-07	1.06E-06	7.30E-08
4210	469097.83	3819010.83	3.78E-06	1.59E-05	1.43E-06	3.15E-06	1.17E-05	1.03E-06	3.57E-07	2.04E-06	2.44E-07	3.24E-07	1.07E-06	7.37E-08

4211	469101.68	3819001.99	3.81E-06	1.60E-05	1.44E-06	3.18E-06	1.18E-05	1.04E-06	3.60E-07	2.06E-06	2.46E-07	3.27E-07	1.08E-06	7.44E-08
4212	469105.54	3818993.15	3.85E-06	1.62E-05	1.46E-06	3.21E-06	1.19E-05	1.05E-06	3.64E-07	2.08E-06	2.49E-07	3.31E-07	1.09E-06	7.52E-08
4213	469109.39	3818984.32	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.59E-08
4214	469113.24	3818975.48	3.94E-06	1.65E-05	1.49E-06	3.28E-06	1.22E-05	1.07E-06	3.72E-07	2.13E-06	2.54E-07	3.38E-07	1.12E-06	7.69E-08
4215	469117.1	3818966.64	3.99E-06	1.68E-05	1.51E-06	3.33E-06	1.23E-05	1.08E-06	3.77E-07	2.16E-06	2.58E-07	3.43E-07	1.13E-06	7.79E-08
4216	469120.95	3818957.8	4.05E-06	1.70E-05	1.53E-06	3.37E-06	1.25E-05	1.10E-06	3.82E-07	2.19E-06	2.61E-07	3.47E-07	1.15E-06	7.89E-08
4217	469124.81	3818948.96	4.10E-06	1.72E-05	1.55E-06	3.42E-06	1.27E-05	1.11E-06	3.87E-07	2.22E-06	2.65E-07	3.52E-07	1.16E-06	8.01E-08
4218	469128.66	3818940.12	4.16E-06	1.75E-05	1.57E-06	3.47E-06	1.28E-05	1.13E-06	3.93E-07	2.25E-06	2.68E-07	3.57E-07	1.18E-06	8.12E-08
4219	469132.52	3818931.28	4.23E-06	1.78E-05	1.60E-06	3.52E-06	1.30E-05	1.15E-06	3.99E-07	2.29E-06	2.73E-07	3.63E-07	1.20E-06	8.25E-08
4220	469136.37	3818922.45	4.30E-06	1.80E-05	1.62E-06	3.58E-06	1.33E-05	1.17E-06	4.06E-07	2.32E-06	2.77E-07	3.69E-07	1.22E-06	8.38E-08
4221	469140.23	3818913.61	4.37E-06	1.83E-05	1.65E-06	3.64E-06	1.35E-05	1.19E-06	4.12E-07	2.36E-06	2.82E-07	3.75E-07	1.24E-06	8.52E-08
4222	469144.08	3818904.77	4.44E-06	1.86E-05	1.68E-06	3.70E-06	1.37E-05	1.21E-06	4.19E-07	2.40E-06	2.86E-07	3.81E-07	1.26E-06	8.66E-08
4223	469147.94	3818895.93	4.52E-06	1.90E-05	1.71E-06	3.76E-06	1.39E-05	1.23E-06	4.27E-07	2.44E-06	2.91E-07	3.88E-07	1.28E-06	8.81E-08
4224	469151.79	3818887.09	4.59E-06	1.93E-05	1.74E-06	3.82E-06	1.42E-05	1.25E-06	4.33E-07	2.48E-06	2.96E-07	3.94E-07	1.30E-06	8.95E-08
4225	469155.65	3818878.25	4.67E-06	1.96E-05	1.76E-06	3.89E-06	1.44E-05	1.27E-06	4.41E-07	2.52E-06	3.01E-07	4.01E-07	1.32E-06	9.10E-08
4226	469159.5	3818869.41	4.75E-06	1.99E-05	1.80E-06	3.95E-06	1.47E-05	1.29E-06	4.48E-07	2.57E-06	3.06E-07	4.08E-07	1.34E-06	9.26E-08
4227	469163.35	3818860.58	4.83E-06	2.03E-05	1.83E-06	4.03E-06	1.49E-05	1.31E-06	4.57E-07	2.61E-06	3.12E-07	4.15E-07	1.37E-06	9.43E-08
4228	469167.21	3818851.74	4.93E-06	2.07E-05	1.86E-06	4.10E-06	1.52E-05	1.34E-06	4.65E-07	2.66E-06	3.18E-07	4.23E-07	1.39E-06	9.61E-08
4229	469171.06	3818842.9	5.02E-06	2.11E-05	1.90E-06	4.18E-06	1.55E-05	1.36E-06	4.74E-07	2.72E-06	3.24E-07	4.31E-07	1.42E-06	9.80E-08
4230	469174.92	3818834.06	5.12E-06	2.15E-05	1.94E-06	4.26E-06	1.58E-05	1.39E-06	4.83E-07	2.77E-06	3.30E-07	4.39E-07	1.45E-06	9.99E-08
4231	469178.77	3818825.22	5.21E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.42E-06	4.92E-07	2.82E-06	3.36E-07	4.48E-07	1.48E-06	1.02E-07
4232	469182.63	3818816.38	5.31E-06	2.23E-05	2.01E-06	4.42E-06	1.64E-05	1.44E-06	5.02E-07	2.87E-06	3.43E-07	4.56E-07	1.50E-06	1.04E-07
4233	469186.48	3818807.54	5.41E-06	2.27E-05	2.05E-06	4.51E-06	1.67E-05	1.47E-06	5.11E-07	2.93E-06	3.49E-07	4.65E-07	1.53E-06	1.06E-07
4234	469190.34	3818798.7	5.51E-06	2.32E-05	2.08E-06	4.59E-06	1.70E-05	1.50E-06	5.21E-07	2.98E-06	3.56E-07	4.73E-07	1.56E-06	1.08E-07
4235	469194.19	3818789.87	5.61E-06	2.36E-05	2.12E-06	4.67E-06	1.73E-05	1.52E-06	5.30E-07	3.03E-06	3.62E-07	4.82E-07	1.59E-06	1.09E-07
4236	469198.05	3818781.03	5.71E-06	2.40E-05	2.16E-06	4.75E-06	1.76E-05	1.55E-06	5.39E-07	3.08E-06	3.68E-07	4.90E-07	1.61E-06	1.11E-07
4237	469201.9	3818772.19	5.80E-06	2.44E-05	2.19E-06	4.83E-06	1.79E-05	1.57E-06	5.48E-07	3.14E-06	3.74E-07	4.98E-07	1.64E-06	1.13E-07
4238	469205.76	3818763.35	5.89E-06	2.47E-05	2.23E-06	4.91E-06	1.82E-05	1.60E-06	5.56E-07	3.19E-06	3.80E-07	5.06E-07	1.67E-06	1.15E-07
4239	469209.61	3818754.51	5.98E-06	2.51E-05	2.26E-06	4.98E-06	1.85E-05	1.62E-06	5.65E-07	3.24E-06	3.86E-07	5.14E-07	1.69E-06	1.17E-07
4240	469213.46	3818745.67	6.08E-06	2.55E-05	2.30E-06	5.06E-06	1.87E-05	1.65E-06	5.74E-07	3.28E-06	3.92E-07	5.22E-07	1.72E-06	1.19E-07
4241	469217.32	3818736.83	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.82E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
4242	469221.17	3818728	6.25E-06	2.62E-05	2.36E-06	5.21E-06	1.93E-05	1.70E-06	5.90E-07	3.38E-06	4.03E-07	5.36E-07	1.77E-06	1.22E-07
4243	469225.03	3818719.16	6.33E-06	2.66E-05	2.39E-06	5.27E-06	1.95E-05	1.72E-06	5.97E-07	3.42E-06	4.08E-07	5.43E-07	1.79E-06	1.23E-07
4244	469228.88	3818710.32	6.41E-06	2.69E-05	2.42E-06	5.34E-06	1.98E-05	1.74E-06	6.05E-07	3.46E-06	4.13E-07	5.50E-07	1.81E-06	1.25E-07
4245	469232.74	3818701.48	6.48E-06	2.72E-05	2.45E-06	5.40E-06	2.00E-05	1.76E-06	6.12E-07	3.50E-06	4.18E-07	5.56E-07	1.83E-06	1.26E-07
4246	469236.59	3818692.64	6.55E-06	2.75E-05	2.48E-06	5.45E-06	2.02E-05	1.78E-06	6.18E-07	3.54E-06	4.22E-07	5.62E-07	1.85E-06	1.28E-07
4247	469240.45	3818683.8	6.61E-06	2.78E-05	2.50E-06	5.51E-06	2.04E-05	1.80E-06	6.25E-07	3.58E-06	4.27E-07	5.68E-07	1.87E-06	1.29E-07
4248	469244.3	3818674.96	6.67E-06	2.80E-05	2.52E-06	5.56E-06	2.06E-05	1.81E-06	6.30E-07	3.61E-06	4.30E-07	5.73E-07	1.89E-06	1.30E-07
4249	469248.16	3818666.13	6.73E-06	2.83E-05	2.55E-06	5.61E-06	2.08E-05	1.83E-06	6.36E-07	3.64E-06	4.34E-07	5.78E-07	1.91E-06	1.31E-07
4250	469252.01	3818657.29	6.78E-06	2.85E-05	2.56E-06	5.65E-06	2.09E-05	1.84E-06	6.40E-07	3.66E-06	4.37E-07	5.82E-07	1.92E-06	1.32E-07
4251	469255.87	3818648.45	6.83E-06	2.87E-05	2.58E-06	5.69E-06	2.11E-05	1.85E-06	6.45E-07	3.69E-06	4.40E-07	5.86E-07	1.93E-06	1.33E-07
4252	469278.99	3818595.42	7.04E-06	2.96E-05	2.66E-06	5.87E-06	2.17E-05	1.91E-06	6.65E-07	3.81E-06	4.54E-07	6.05E-07	1.99E-06	1.37E-07
4253	469282.85	3818586.58	7.08E-06	2.97E-05	2.68E-06	5.89E-06	2.18E-05	1.92E-06	6.68E-07	3.83E-06	4.56E-07	6.07E-07	2.00E-06	1.38E-07

4254	469286.7	3818577.74	7.11E-06	2.98E-05	2.69E-06	5.92E-06	2.19E-05	1.93E-06	6.71E-07	3.84E-06	4.58E-07	6.10E-07	2.01E-06	1.39E-07
4255	469290.56	3818568.9	7.13E-06	3.00E-05	2.70E-06	5.94E-06	2.20E-05	1.94E-06	6.74E-07	3.86E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
4256	469294.41	3818560.06	7.15E-06	3.00E-05	2.71E-06	5.96E-06	2.21E-05	1.94E-06	6.75E-07	3.87E-06	4.61E-07	6.14E-07	2.02E-06	1.40E-07
4257	469298.27	3818551.22	7.17E-06	3.01E-05	2.71E-06	5.97E-06	2.21E-05	1.95E-06	6.77E-07	3.88E-06	4.63E-07	6.16E-07	2.03E-06	1.40E-07
4258	469302.12	3818542.39	7.20E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.80E-07	3.89E-06	4.64E-07	6.18E-07	2.04E-06	1.40E-07
4259	469305.98	3818533.55	7.22E-06	3.03E-05	2.73E-06	6.01E-06	2.23E-05	1.96E-06	6.82E-07	3.90E-06	4.66E-07	6.20E-07	2.04E-06	1.41E-07
4260	469309.83	3818524.71	7.25E-06	3.05E-05	2.74E-06	6.04E-06	2.24E-05	1.97E-06	6.85E-07	3.92E-06	4.68E-07	6.23E-07	2.05E-06	1.42E-07
4261	469313.68	3818515.87	7.28E-06	3.06E-05	2.75E-06	6.07E-06	2.25E-05	1.98E-06	6.88E-07	3.94E-06	4.70E-07	6.25E-07	2.06E-06	1.42E-07
4262	469317.54	3818507.03	7.31E-06	3.07E-05	2.77E-06	6.09E-06	2.26E-05	1.98E-06	6.90E-07	3.95E-06	4.72E-07	6.28E-07	2.07E-06	1.43E-07
4263	469321.39	3818498.19	7.35E-06	3.08E-05	2.78E-06	6.12E-06	2.27E-05	1.99E-06	6.94E-07	3.97E-06	4.74E-07	6.31E-07	2.08E-06	1.43E-07
4264	469325.25	3818489.35	7.38E-06	3.10E-05	2.79E-06	6.15E-06	2.28E-05	2.00E-06	6.97E-07	3.99E-06	4.76E-07	6.34E-07	2.09E-06	1.44E-07
4265	469329.1	3818480.51	7.42E-06	3.12E-05	2.81E-06	6.18E-06	2.29E-05	2.01E-06	7.01E-07	4.01E-06	4.79E-07	6.37E-07	2.10E-06	1.45E-07
4266	469332.96	3818471.68	7.46E-06	3.13E-05	2.82E-06	6.21E-06	2.30E-05	2.02E-06	7.04E-07	4.03E-06	4.81E-07	6.40E-07	2.11E-06	1.45E-07
4267	469336.81	3818462.84	7.48E-06	3.14E-05	2.83E-06	6.23E-06	2.31E-05	2.03E-06	7.06E-07	4.04E-06	4.82E-07	6.42E-07	2.12E-06	1.46E-07
4268	469340.67	3818454	7.51E-06	3.15E-05	2.84E-06	6.25E-06	2.32E-05	2.04E-06	7.09E-07	4.06E-06	4.84E-07	6.45E-07	2.13E-06	1.47E-07
4269	469353.49	3818441.61	7.68E-06	3.22E-05	2.90E-06	6.40E-06	2.37E-05	2.08E-06	7.25E-07	4.15E-06	4.95E-07	6.59E-07	2.17E-06	1.50E-07
4270	469362.45	3818438.06	7.82E-06	3.28E-05	2.96E-06	6.51E-06	2.41E-05	2.12E-06	7.38E-07	4.23E-06	5.04E-07	6.71E-07	2.21E-06	1.53E-07
4271	469371.42	3818434.51	7.96E-06	3.34E-05	3.01E-06	6.63E-06	2.46E-05	2.16E-06	7.52E-07	4.30E-06	5.14E-07	6.83E-07	2.25E-06	1.55E-07
4272	469380.38	3818430.96	8.10E-06	3.40E-05	3.06E-06	6.75E-06	2.50E-05	2.20E-06	7.65E-07	4.38E-06	5.23E-07	6.95E-07	2.29E-06	1.58E-07
4273	469389.35	3818427.41	8.24E-06	3.46E-05	3.12E-06	6.86E-06	2.54E-05	2.24E-06	7.78E-07	4.45E-06	5.32E-07	7.07E-07	2.33E-06	1.61E-07
4274	469470.03	3818395.45	9.34E-06	3.92E-05	3.53E-06	7.78E-06	2.88E-05	2.53E-06	8.82E-07	5.05E-06	6.02E-07	8.02E-07	2.64E-06	1.82E-07
4275	469479	3818391.9	9.44E-06	3.97E-05	3.57E-06	7.87E-06	2.91E-05	2.56E-06	8.92E-07	5.11E-06	6.09E-07	8.11E-07	2.67E-06	1.84E-07
4276	469487.96	3818388.35	9.53E-06	4.00E-05	3.61E-06	7.94E-06	2.94E-05	2.59E-06	9.00E-07	5.15E-06	6.15E-07	8.19E-07	2.70E-06	1.86E-07
4277	469496.93	3818384.8	9.62E-06	4.04E-05	3.64E-06	8.01E-06	2.97E-05	2.61E-06	9.09E-07	5.20E-06	6.21E-07	8.26E-07	2.72E-06	1.88E-07
4278	469505.89	3818381.25	9.71E-06	4.08E-05	3.67E-06	8.09E-06	3.00E-05	2.64E-06	9.17E-07	5.25E-06	6.26E-07	8.33E-07	2.75E-06	1.89E-07
4279	469514.86	3818377.7	9.78E-06	4.11E-05	3.70E-06	8.15E-06	3.02E-05	2.66E-06	9.24E-07	5.29E-06	6.31E-07	8.40E-07	2.77E-06	1.91E-07
4280	469523.82	3818374.15	9.87E-06	4.14E-05	3.73E-06	8.22E-06	3.04E-05	2.68E-06	9.32E-07	5.33E-06	6.36E-07	8.47E-07	2.79E-06	1.93E-07
4281	469532.79	3818370.6	9.94E-06	4.17E-05	3.76E-06	8.28E-06	3.07E-05	2.70E-06	9.39E-07	5.37E-06	6.41E-07	8.53E-07	2.81E-06	1.94E-07
4282	469541.75	3818367.04	1.00E-05	4.21E-05	3.79E-06	8.34E-06	3.09E-05	2.72E-06	9.46E-07	5.41E-06	6.46E-07	8.60E-07	2.84E-06	1.95E-07
4283	469550.72	3818363.49	1.01E-05	4.24E-05	3.82E-06	8.41E-06	3.11E-05	2.74E-06	9.53E-07	5.46E-06	6.51E-07	8.66E-07	2.86E-06	1.97E-07
4284	469559.68	3818359.94	1.02E-05	4.27E-05	3.84E-06	8.47E-06	3.14E-05	2.76E-06	9.60E-07	5.50E-06	6.56E-07	8.73E-07	2.88E-06	1.98E-07
4285	469568.65	3818356.39	1.02E-05	4.30E-05	3.87E-06	8.52E-06	3.16E-05	2.78E-06	9.66E-07	5.53E-06	6.60E-07	8.78E-07	2.90E-06	2.00E-07
4286	469577.61	3818352.84	1.03E-05	4.33E-05	3.90E-06	8.60E-06	3.18E-05	2.80E-06	9.74E-07	5.58E-06	6.66E-07	8.86E-07	2.92E-06	2.01E-07
4287	469586.58	3818349.29	1.04E-05	4.37E-05	3.93E-06	8.66E-06	3.21E-05	2.82E-06	9.82E-07	5.62E-06	6.71E-07	8.93E-07	2.94E-06	2.03E-07
4288	469595.54	3818345.74	1.05E-05	4.40E-05	3.97E-06	8.74E-06	3.24E-05	2.85E-06	9.90E-07	5.67E-06	6.76E-07	9.00E-07	2.97E-06	2.05E-07
4289	469604.51	3818342.19	1.06E-05	4.44E-05	4.00E-06	8.80E-06	3.26E-05	2.87E-06	9.98E-07	5.71E-06	6.81E-07	9.07E-07	2.99E-06	2.06E-07
4290	469613.47	3818338.64	1.07E-05	4.47E-05	4.03E-06	8.87E-06	3.29E-05	2.89E-06	1.01E-06	5.76E-06	6.87E-07	9.14E-07	3.01E-06	2.08E-07
4291	469622.44	3818335.09	1.07E-05	4.51E-05	4.06E-06	8.94E-06	3.31E-05	2.91E-06	1.01E-06	5.80E-06	6.93E-07	9.22E-07	3.04E-06	2.10E-07
4292	469631.4	3818331.54	1.08E-05	4.55E-05	4.10E-06	9.02E-06	3.34E-05	2.94E-06	1.02E-06	5.86E-06	6.99E-07	9.30E-07	3.07E-06	2.11E-07
4293	469640.37	3818327.99	1.09E-05	4.58E-05	4.13E-06	9.09E-06	3.37E-05	2.96E-06	1.03E-06	5.90E-06	7.04E-07	9.37E-07	3.09E-06	2.13E-07
4294	469649.33	3818324.44	1.10E-05	4.62E-05	4.16E-06	9.16E-06	3.39E-05	2.99E-06	1.04E-06	5.95E-06	7.10E-07	9.44E-07	3.11E-06	2.15E-07
4295	469658.3	3818320.89	1.11E-05	4.66E-05	4.20E-06	9.24E-06	3.42E-05	3.01E-06	1.05E-06	6.00E-06	7.16E-07	9.52E-07	3.14E-06	2.16E-07
4296	469667.26	3818317.34	1.12E-05	4.70E-05	4.23E-06	9.31E-06	3.45E-05	3.03E-06	1.06E-06	6.04E-06	7.21E-07	9.60E-07	3.16E-06	2.18E-07

4297	469676.23	3818313.78	1.13E-05	4.73E-05	4.26E-06	9.38E-06	3.48E-05	3.06E-06	1.06E-06	6.09E-06	7.27E-07	9.67E-07	3.19E-06	2.20E-07
4298	469712.09	3818299.58	1.16E-05	4.88E-05	4.39E-06	9.68E-06	3.58E-05	3.15E-06	1.10E-06	6.28E-06	7.49E-07	9.97E-07	3.29E-06	2.27E-07
4299	469721.05	3818296.03	1.17E-05	4.91E-05	4.42E-06	9.74E-06	3.61E-05	3.18E-06	1.10E-06	6.32E-06	7.55E-07	1.00E-06	3.31E-06	2.28E-07
4300	469730.02	3818292.48	1.18E-05	4.95E-05	4.46E-06	9.82E-06	3.64E-05	3.20E-06	1.11E-06	6.37E-06	7.60E-07	1.01E-06	3.34E-06	2.30E-07
4301	469738.98	3818288.93	1.19E-05	4.98E-05	4.49E-06	9.89E-06	3.66E-05	3.22E-06	1.12E-06	6.42E-06	7.65E-07	1.02E-06	3.36E-06	2.32E-07
4302	469747.95	3818285.38	1.19E-05	5.02E-05	4.52E-06	9.95E-06	3.69E-05	3.24E-06	1.13E-06	6.46E-06	7.71E-07	1.03E-06	3.38E-06	2.33E-07
4303	469756.91	3818281.83	1.20E-05	5.05E-05	4.54E-06	1.00E-05	3.71E-05	3.26E-06	1.13E-06	6.50E-06	7.75E-07	1.03E-06	3.40E-06	2.34E-07
4304	469765.88	3818278.28	1.21E-05	5.07E-05	4.57E-06	1.01E-05	3.73E-05	3.28E-06	1.14E-06	6.53E-06	7.79E-07	1.04E-06	3.42E-06	2.36E-07
4305	469774.84	3818274.73	1.21E-05	5.10E-05	4.59E-06	1.01E-05	3.75E-05	3.29E-06	1.15E-06	6.56E-06	7.83E-07	1.04E-06	3.44E-06	2.37E-07
4306	469783.81	3818271.18	1.22E-05	5.12E-05	4.61E-06	1.02E-05	3.76E-05	3.31E-06	1.15E-06	6.59E-06	7.87E-07	1.05E-06	3.45E-06	2.38E-07
4307	469792.77	3818267.63	1.22E-05	5.14E-05	4.63E-06	1.02E-05	3.78E-05	3.32E-06	1.16E-06	6.62E-06	7.90E-07	1.05E-06	3.47E-06	2.39E-07
4308	469801.74	3818264.07	1.23E-05	5.16E-05	4.65E-06	1.02E-05	3.79E-05	3.34E-06	1.16E-06	6.64E-06	7.92E-07	1.05E-06	3.48E-06	2.40E-07
4309	469810.7	3818260.52	1.23E-05	5.18E-05	4.66E-06	1.03E-05	3.80E-05	3.35E-06	1.16E-06	6.67E-06	7.95E-07	1.06E-06	3.49E-06	2.41E-07
4310	469819.67	3818256.97	1.24E-05	5.19E-05	4.68E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.68E-06	7.97E-07	1.06E-06	3.50E-06	2.41E-07
4311	469828.63	3818253.42	1.24E-05	5.21E-05	4.69E-06	1.03E-05	3.83E-05	3.37E-06	1.17E-06	6.70E-06	8.00E-07	1.06E-06	3.51E-06	2.42E-07
4312	469837.6	3818249.87	1.24E-05	5.22E-05	4.70E-06	1.04E-05	3.84E-05	3.37E-06	1.17E-06	6.72E-06	8.02E-07	1.07E-06	3.52E-06	2.43E-07
4313	469846.56	3818246.32	1.25E-05	5.23E-05	4.71E-06	1.04E-05	3.84E-05	3.38E-06	1.18E-06	6.73E-06	8.03E-07	1.07E-06	3.53E-06	2.43E-07
4314	469855.53	3818242.77	1.25E-05	5.24E-05	4.72E-06	1.04E-05	3.85E-05	3.39E-06	1.18E-06	6.75E-06	8.05E-07	1.07E-06	3.53E-06	2.44E-07
4315	469864.49	3818239.22	1.25E-05	5.25E-05	4.73E-06	1.04E-05	3.86E-05	3.40E-06	1.18E-06	6.76E-06	8.07E-07	1.07E-06	3.54E-06	2.44E-07
4316	469873.46	3818235.67	1.25E-05	5.26E-05	4.74E-06	1.04E-05	3.87E-05	3.40E-06	1.18E-06	6.78E-06	8.09E-07	1.08E-06	3.55E-06	2.45E-07
4317	469882.42	3818232.12	1.26E-05	5.28E-05	4.75E-06	1.05E-05	3.88E-05	3.41E-06	1.19E-06	6.80E-06	8.11E-07	1.08E-06	3.56E-06	2.45E-07
4318	469891.39	3818228.57	1.26E-05	5.30E-05	4.77E-06	1.05E-05	3.89E-05	3.42E-06	1.19E-06	6.82E-06	8.13E-07	1.08E-06	3.57E-06	2.46E-07
4319	469900.35	3818225.02	1.27E-05	5.32E-05	4.79E-06	1.05E-05	3.91E-05	3.44E-06	1.20E-06	6.84E-06	8.16E-07	1.09E-06	3.58E-06	2.47E-07
4320	469909.32	3818221.47	1.27E-05	5.34E-05	4.81E-06	1.06E-05	3.92E-05	3.45E-06	1.20E-06	6.87E-06	8.20E-07	1.09E-06	3.60E-06	2.48E-07
4321	469918.28	3818217.92	1.28E-05	5.37E-05	4.83E-06	1.06E-05	3.94E-05	3.47E-06	1.21E-06	6.91E-06	8.24E-07	1.10E-06	3.62E-06	2.49E-07
4322	469927.25	3818214.36	1.28E-05	5.39E-05	4.86E-06	1.07E-05	3.96E-05	3.49E-06	1.21E-06	6.94E-06	8.28E-07	1.10E-06	3.63E-06	2.51E-07
4323	469936.21	3818210.81	1.29E-05	5.42E-05	4.88E-06	1.07E-05	3.98E-05	3.50E-06	1.22E-06	6.97E-06	8.32E-07	1.11E-06	3.65E-06	2.52E-07
4324	469945.18	3818207.26	1.30E-05	5.44E-05	4.90E-06	1.08E-05	4.00E-05	3.52E-06	1.22E-06	7.01E-06	8.36E-07	1.11E-06	3.67E-06	2.53E-07
4325	469954.14	3818203.71	1.30E-05	5.47E-05	4.93E-06	1.09E-05	4.02E-05	3.54E-06	1.23E-06	7.05E-06	8.41E-07	1.12E-06	3.69E-06	2.54E-07
4326	469963.11	3818200.16	1.31E-05	5.51E-05	4.96E-06	1.09E-05	4.05E-05	3.56E-06	1.24E-06	7.10E-06	8.47E-07	1.13E-06	3.72E-06	2.56E-07
4327	469972.07	3818196.61	1.32E-05	5.56E-05	5.00E-06	1.10E-05	4.08E-05	3.59E-06	1.25E-06	7.15E-06	8.54E-07	1.14E-06	3.75E-06	2.58E-07
4328	469981.04	3818193.06	1.33E-05	5.60E-05	5.04E-06	1.11E-05	4.11E-05	3.62E-06	1.26E-06	7.21E-06	8.60E-07	1.14E-06	3.77E-06	2.60E-07
4329	469990	3818189.51	1.34E-05	5.64E-05	5.08E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.26E-06	8.67E-07	1.15E-06	3.80E-06	2.62E-07
4330	469998.97	3818185.96	1.35E-05	5.68E-05	5.12E-06	1.13E-05	4.18E-05	3.67E-06	1.28E-06	7.32E-06	8.73E-07	1.16E-06	3.83E-06	2.64E-07
4331	470007.93	3818182.41	1.36E-05	5.73E-05	5.16E-06	1.14E-05	4.21E-05	3.70E-06	1.29E-06	7.37E-06	8.80E-07	1.17E-06	3.86E-06	2.66E-07
4332	470043.79	3818168.21	1.40E-05	5.86E-05	5.28E-06	1.16E-05	4.31E-05	3.79E-06	1.32E-06	7.55E-06	9.01E-07	1.20E-06	3.95E-06	2.72E-07
4333	470052.76	3818164.66	1.40E-05	5.89E-05	5.30E-06	1.17E-05	4.33E-05	3.81E-06	1.32E-06	7.58E-06	9.04E-07	1.20E-06	3.97E-06	2.74E-07
4334	470061.72	3818161.1	1.41E-05	5.90E-05	5.32E-06	1.17E-05	4.34E-05	3.82E-06	1.33E-06	7.60E-06	9.07E-07	1.21E-06	3.98E-06	2.74E-07
4335	470070.69	3818157.55	1.41E-05	5.91E-05	5.32E-06	1.17E-05	4.34E-05	3.82E-06	1.33E-06	7.61E-06	9.08E-07	1.21E-06	3.98E-06	2.75E-07
4336	470079.65	3818154	1.41E-05	5.91E-05	5.32E-06	1.17E-05	4.34E-05	3.82E-06	1.33E-06	7.60E-06	9.07E-07	1.21E-06	3.98E-06	2.74E-07
4337	470088.62	3818150.45	1.37E-05	5.76E-05	5.19E-06	1.14E-05	4.24E-05	3.73E-06	1.30E-06	7.42E-06	8.85E-07	1.18E-06	3.88E-06	2.68E-07
4338	470097.58	3818146.9	1.37E-05	5.75E-05	5.18E-06	1.14E-05	4.22E-05	3.72E-06	1.29E-06	7.40E-06	8.83E-07	1.18E-06	3.88E-06	2.67E-07
4339	470106.55	3818143.35	1.36E-05	5.73E-05	5.16E-06	1.14E-05	4.21E-05	3.70E-06	1.29E-06	7.38E-06	8.80E-07	1.17E-06	3.86E-06	2.66E-07

4340	470115.51	3818139.8	1.36E-05	5.70E-05	5.14E-06	1.13E-05	4.19E-05	3.69E-06	1.28E-06	7.34E-06	8.76E-07	1.17E-06	3.84E-06	2.65E-07
4341	469008.78	3819233.42	3.94E-06	1.66E-05	1.49E-06	3.29E-06	1.22E-05	1.07E-06	3.73E-07	2.13E-06	2.54E-07	3.39E-07	1.12E-06	7.70E-08
4342	469008.59	3819243.06	4.02E-06	1.69E-05	1.52E-06	3.35E-06	1.24E-05	1.09E-06	3.79E-07	2.17E-06	2.59E-07	3.45E-07	1.14E-06	7.84E-08
4343	469008.4	3819252.71	4.08E-06	1.72E-05	1.54E-06	3.40E-06	1.26E-05	1.11E-06	3.86E-07	2.21E-06	2.63E-07	3.51E-07	1.16E-06	7.97E-08
4344	469008.2	3819262.36	4.15E-06	1.74E-05	1.57E-06	3.46E-06	1.28E-05	1.13E-06	3.92E-07	2.24E-06	2.68E-07	3.56E-07	1.18E-06	8.10E-08
4345	469008.01	3819272.01	4.21E-06	1.77E-05	1.59E-06	3.51E-06	1.30E-05	1.14E-06	3.98E-07	2.28E-06	2.72E-07	3.62E-07	1.19E-06	8.22E-08
4346	469007.82	3819281.66	4.28E-06	1.80E-05	1.62E-06	3.57E-06	1.32E-05	1.16E-06	4.04E-07	2.31E-06	2.76E-07	3.68E-07	1.21E-06	8.35E-08
4347	469007.62	3819291.3	4.34E-06	1.82E-05	1.64E-06	3.62E-06	1.34E-05	1.18E-06	4.10E-07	2.35E-06	2.80E-07	3.73E-07	1.23E-06	8.48E-08
4348	469007.43	3819300.95	4.41E-06	1.85E-05	1.67E-06	3.67E-06	1.36E-05	1.20E-06	4.16E-07	2.38E-06	2.84E-07	3.78E-07	1.25E-06	8.60E-08
4349	469007.24	3819310.6	4.46E-06	1.87E-05	1.69E-06	3.72E-06	1.38E-05	1.21E-06	4.22E-07	2.41E-06	2.88E-07	3.83E-07	1.26E-06	8.71E-08
4350	469007.05	3819320.25	4.52E-06	1.90E-05	1.71E-06	3.77E-06	1.40E-05	1.23E-06	4.27E-07	2.44E-06	2.92E-07	3.88E-07	1.28E-06	8.82E-08
4351	469006.85	3819329.9	4.58E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.48E-06	2.95E-07	3.93E-07	1.30E-06	8.94E-08
4352	469006.66	3819339.55	4.63E-06	1.94E-05	1.75E-06	3.85E-06	1.43E-05	1.26E-06	4.37E-07	2.50E-06	2.99E-07	3.97E-07	1.31E-06	9.03E-08
4353	469006.47	3819349.19	4.68E-06	1.97E-05	1.77E-06	3.90E-06	1.44E-05	1.27E-06	4.42E-07	2.53E-06	3.02E-07	4.02E-07	1.32E-06	9.13E-08
4354	469006.27	3819358.84	4.73E-06	1.99E-05	1.79E-06	3.94E-06	1.46E-05	1.28E-06	4.47E-07	2.56E-06	3.05E-07	4.06E-07	1.34E-06	9.23E-08
4355	469006.08	3819368.49	4.78E-06	2.01E-05	1.81E-06	3.98E-06	1.47E-05	1.30E-06	4.51E-07	2.58E-06	3.08E-07	4.10E-07	1.35E-06	9.32E-08
4356	469005.89	3819378.14	4.82E-06	2.02E-05	1.82E-06	4.01E-06	1.49E-05	1.31E-06	4.55E-07	2.61E-06	3.11E-07	4.14E-07	1.36E-06	9.41E-08
4357	469005.69	3819387.79	4.86E-06	2.04E-05	1.84E-06	4.05E-06	1.50E-05	1.32E-06	4.59E-07	2.63E-06	3.14E-07	4.18E-07	1.38E-06	9.49E-08
4358	469005.5	3819397.43	4.91E-06	2.06E-05	1.86E-06	4.09E-06	1.52E-05	1.33E-06	4.64E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.58E-08
4359	469005.31	3819407.08	5.03E-06	2.11E-05	1.90E-06	4.19E-06	1.55E-05	1.37E-06	4.75E-07	2.72E-06	3.25E-07	4.32E-07	1.42E-06	9.82E-08
4360	469005.11	3819416.73	5.10E-06	2.14E-05	1.93E-06	4.25E-06	1.57E-05	1.38E-06	4.82E-07	2.76E-06	3.29E-07	4.38E-07	1.44E-06	9.95E-08
4361	469004.92	3819426.38	5.17E-06	2.17E-05	1.96E-06	4.31E-06	1.60E-05	1.40E-06	4.88E-07	2.80E-06	3.34E-07	4.44E-07	1.46E-06	1.01E-07
4362	469078.44	3818870.28	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.67E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.58E-08
4363	469082.27	3818861.5	3.95E-06	1.66E-05	1.49E-06	3.29E-06	1.22E-05	1.07E-06	3.73E-07	2.14E-06	2.55E-07	3.39E-07	1.12E-06	7.71E-08
4364	469086.09	3818852.73	4.02E-06	1.69E-05	1.52E-06	3.35E-06	1.24E-05	1.09E-06	3.79E-07	2.17E-06	2.59E-07	3.45E-07	1.14E-06	7.84E-08
4365	469089.92	3818843.95	4.09E-06	1.72E-05	1.55E-06	3.41E-06	1.26E-05	1.11E-06	3.87E-07	2.21E-06	2.64E-07	3.51E-07	1.16E-06	7.99E-08
4366	469093.75	3818835.18	4.17E-06	1.75E-05	1.58E-06	3.47E-06	1.29E-05	1.13E-06	3.93E-07	2.25E-06	2.69E-07	3.58E-07	1.18E-06	8.13E-08
4367	469097.58	3818826.4	4.23E-06	1.78E-05	1.60E-06	3.53E-06	1.31E-05	1.15E-06	4.00E-07	2.29E-06	2.73E-07	3.63E-07	1.20E-06	8.26E-08
4368	469101.4	3818817.63	4.31E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.40E-08
4369	469105.23	3818808.85	4.38E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.14E-07	2.37E-06	2.83E-07	3.76E-07	1.24E-06	8.55E-08
4370	469109.06	3818800.08	4.46E-06	1.87E-05	1.69E-06	3.71E-06	1.38E-05	1.21E-06	4.21E-07	2.41E-06	2.88E-07	3.83E-07	1.26E-06	8.70E-08
4371	469112.88	3818791.3	4.55E-06	1.91E-05	1.72E-06	3.79E-06	1.40E-05	1.23E-06	4.29E-07	2.46E-06	2.93E-07	3.90E-07	1.29E-06	8.87E-08
4372	469116.71	3818782.53	4.63E-06	1.94E-05	1.75E-06	3.85E-06	1.43E-05	1.26E-06	4.37E-07	2.50E-06	2.99E-07	3.97E-07	1.31E-06	9.03E-08
4373	469120.54	3818773.75	4.71E-06	1.98E-05	1.78E-06	3.93E-06	1.45E-05	1.28E-06	4.45E-07	2.55E-06	3.04E-07	4.05E-07	1.33E-06	9.20E-08
4374	469124.36	3818764.97	4.80E-06	2.01E-05	1.81E-06	3.99E-06	1.48E-05	1.30E-06	4.53E-07	2.59E-06	3.09E-07	4.12E-07	1.36E-06	9.36E-08
4375	469128.19	3818756.2	4.88E-06	2.05E-05	1.85E-06	4.07E-06	1.51E-05	1.33E-06	4.61E-07	2.64E-06	3.15E-07	4.19E-07	1.38E-06	9.53E-08
4376	469132.02	3818747.42	4.97E-06	2.09E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.69E-07	2.69E-06	3.21E-07	4.27E-07	1.41E-06	9.70E-08
4377	469135.85	3818738.65	5.05E-06	2.12E-05	1.91E-06	4.21E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.26E-07	4.34E-07	1.43E-06	9.86E-08
4378	469139.67	3818729.87	5.13E-06	2.16E-05	1.94E-06	4.28E-06	1.58E-05	1.39E-06	4.85E-07	2.77E-06	3.31E-07	4.41E-07	1.45E-06	1.00E-07
4379	469143.5	3818721.1	5.21E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.41E-06	4.92E-07	2.82E-06	3.36E-07	4.47E-07	1.47E-06	1.02E-07
4380	469147.33	3818712.32	5.29E-06	2.22E-05	2.00E-06	4.41E-06	1.63E-05	1.44E-06	5.00E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
4381	469151.15	3818703.55	5.36E-06	2.25E-05	2.03E-06	4.47E-06	1.66E-05	1.46E-06	5.07E-07	2.90E-06	3.46E-07	4.60E-07	1.52E-06	1.05E-07
4382	469154.98	3818694.77	5.44E-06	2.28E-05	2.06E-06	4.53E-06	1.68E-05	1.48E-06	5.13E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07

4383	469158.81	3818686	5.51E-06	2.31E-05	2.08E-06	4.59E-06	1.70E-05	1.50E-06	5.20E-07	2.98E-06	3.55E-07	4.73E-07	1.56E-06	1.07E-07
4384	469162.63	3818677.22	5.58E-06	2.34E-05	2.11E-06	4.64E-06	1.72E-05	1.51E-06	5.26E-07	3.01E-06	3.60E-07	4.79E-07	1.58E-06	1.09E-07
4385	469166.46	3818668.45	5.64E-06	2.37E-05	2.13E-06	4.70E-06	1.74E-05	1.53E-06	5.32E-07	3.05E-06	3.64E-07	4.84E-07	1.60E-06	1.10E-07
4386	469170.29	3818659.67	5.70E-06	2.39E-05	2.16E-06	4.75E-06	1.76E-05	1.55E-06	5.38E-07	3.08E-06	3.68E-07	4.89E-07	1.61E-06	1.11E-07
4387	469174.12	3818650.9	5.75E-06	2.42E-05	2.18E-06	4.79E-06	1.78E-05	1.56E-06	5.43E-07	3.11E-06	3.71E-07	4.94E-07	1.63E-06	1.12E-07
4388	469177.94	3818642.12	5.81E-06	2.44E-05	2.20E-06	4.84E-06	1.79E-05	1.58E-06	5.48E-07	3.14E-06	3.75E-07	4.98E-07	1.64E-06	1.13E-07
4389	469181.77	3818633.34	5.85E-06	2.46E-05	2.21E-06	4.88E-06	1.81E-05	1.59E-06	5.53E-07	3.16E-06	3.78E-07	5.03E-07	1.66E-06	1.14E-07
4390	469185.6	3818624.57	5.90E-06	2.48E-05	2.23E-06	4.91E-06	1.82E-05	1.60E-06	5.57E-07	3.19E-06	3.80E-07	5.06E-07	1.67E-06	1.15E-07
4391	469189.42	3818615.79	5.94E-06	2.50E-05	2.25E-06	4.95E-06	1.83E-05	1.61E-06	5.61E-07	3.21E-06	3.83E-07	5.10E-07	1.68E-06	1.16E-07
4392	469193.25	3818607.02	5.98E-06	2.51E-05	2.26E-06	4.98E-06	1.85E-05	1.62E-06	5.65E-07	3.23E-06	3.86E-07	5.13E-07	1.69E-06	1.17E-07
4393	469197.08	3818598.24	6.01E-06	2.53E-05	2.27E-06	5.01E-06	1.86E-05	1.63E-06	5.68E-07	3.25E-06	3.88E-07	5.16E-07	1.70E-06	1.17E-07
4394	469200.91	3818589.47	6.04E-06	2.54E-05	2.29E-06	5.03E-06	1.86E-05	1.64E-06	5.71E-07	3.27E-06	3.90E-07	5.19E-07	1.71E-06	1.18E-07
4395	469204.73	3818580.69	6.07E-06	2.55E-05	2.30E-06	5.06E-06	1.87E-05	1.65E-06	5.73E-07	3.28E-06	3.92E-07	5.21E-07	1.72E-06	1.18E-07
4396	469208.56	3818571.92	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.65E-06	5.76E-07	3.29E-06	3.93E-07	5.23E-07	1.73E-06	1.19E-07
4397	469212.39	3818563.14	6.12E-06	2.57E-05	2.31E-06	5.10E-06	1.89E-05	1.66E-06	5.78E-07	3.31E-06	3.95E-07	5.25E-07	1.73E-06	1.19E-07
4398	469216.21	3818554.37	6.14E-06	2.58E-05	2.32E-06	5.12E-06	1.90E-05	1.67E-06	5.80E-07	3.32E-06	3.96E-07	5.27E-07	1.74E-06	1.20E-07
4399	469220.04	3818545.59	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.82E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
4400	469223.87	3818536.82	6.18E-06	2.60E-05	2.34E-06	5.15E-06	1.91E-05	1.68E-06	5.84E-07	3.34E-06	3.99E-07	5.31E-07	1.75E-06	1.21E-07
4401	469227.69	3818528.04	6.20E-06	2.60E-05	2.34E-06	5.16E-06	1.91E-05	1.68E-06	5.85E-07	3.35E-06	4.00E-07	5.32E-07	1.75E-06	1.21E-07
4402	469231.52	3818519.26	6.22E-06	2.61E-05	2.35E-06	5.18E-06	1.92E-05	1.69E-06	5.87E-07	3.36E-06	4.01E-07	5.34E-07	1.76E-06	1.21E-07
4403	469235.35	3818510.49	6.23E-06	2.62E-05	2.36E-06	5.19E-06	1.92E-05	1.69E-06	5.89E-07	3.37E-06	4.02E-07	5.35E-07	1.76E-06	1.22E-07
4404	469239.18	3818501.71	6.25E-06	2.63E-05	2.37E-06	5.21E-06	1.93E-05	1.70E-06	5.91E-07	3.38E-06	4.03E-07	5.37E-07	1.77E-06	1.22E-07
4405	469243	3818492.94	6.26E-06	2.63E-05	2.37E-06	5.22E-06	1.93E-05	1.70E-06	5.91E-07	3.39E-06	4.04E-07	5.38E-07	1.77E-06	1.22E-07
4406	469246.83	3818484.16	6.28E-06	2.64E-05	2.37E-06	5.23E-06	1.94E-05	1.70E-06	5.93E-07	3.39E-06	4.05E-07	5.39E-07	1.78E-06	1.22E-07
4407	469250.66	3818475.39	6.29E-06	2.64E-05	2.38E-06	5.24E-06	1.94E-05	1.71E-06	5.94E-07	3.40E-06	4.06E-07	5.40E-07	1.78E-06	1.23E-07
4408	469254.48	3818466.61	6.31E-06	2.65E-05	2.39E-06	5.26E-06	1.95E-05	1.71E-06	5.96E-07	3.41E-06	4.07E-07	5.42E-07	1.79E-06	1.23E-07
4409	469258.31	3818457.84	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.99E-07	3.43E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
4410	469297.83	3818384.11	6.68E-06	2.80E-05	2.53E-06	5.56E-06	2.06E-05	1.81E-06	6.31E-07	3.61E-06	4.31E-07	5.73E-07	1.89E-06	1.30E-07
4411	469306.73	3818380.58	6.79E-06	2.85E-05	2.57E-06	5.66E-06	2.10E-05	1.84E-06	6.41E-07	3.67E-06	4.38E-07	5.83E-07	1.92E-06	1.33E-07
4412	469315.63	3818377.06	6.91E-06	2.90E-05	2.61E-06	5.75E-06	2.13E-05	1.88E-06	6.52E-07	3.73E-06	4.46E-07	5.93E-07	1.96E-06	1.35E-07
4413	469324.53	3818373.53	7.02E-06	2.95E-05	2.66E-06	5.85E-06	2.17E-05	1.91E-06	6.63E-07	3.80E-06	4.53E-07	6.03E-07	1.99E-06	1.37E-07
4414	469333.43	3818370.01	7.14E-06	3.00E-05	2.70E-06	5.95E-06	2.20E-05	1.94E-06	6.75E-07	3.86E-06	4.61E-07	6.13E-07	2.02E-06	1.39E-07
4415	469342.33	3818366.48	7.26E-06	3.05E-05	2.75E-06	6.05E-06	2.24E-05	1.97E-06	6.85E-07	3.92E-06	4.68E-07	6.23E-07	2.05E-06	1.42E-07
4416	469351.23	3818362.96	7.37E-06	3.10E-05	2.79E-06	6.14E-06	2.28E-05	2.00E-06	6.96E-07	3.99E-06	4.76E-07	6.33E-07	2.09E-06	1.44E-07
4417	469360.13	3818359.43	7.49E-06	3.14E-05	2.83E-06	6.23E-06	2.31E-05	2.03E-06	7.07E-07	4.05E-06	4.83E-07	6.43E-07	2.12E-06	1.46E-07
4418	469369.03	3818355.91	7.59E-06	3.19E-05	2.87E-06	6.32E-06	2.34E-05	2.06E-06	7.16E-07	4.10E-06	4.89E-07	6.51E-07	2.15E-06	1.48E-07
4419	469377.94	3818352.38	7.69E-06	3.23E-05	2.91E-06	6.41E-06	2.37E-05	2.09E-06	7.26E-07	4.16E-06	4.96E-07	6.60E-07	2.18E-06	1.50E-07
4420	469386.84	3818348.86	7.79E-06	3.27E-05	2.95E-06	6.49E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.69E-07	2.20E-06	1.52E-07
4421	469395.74	3818345.33	7.89E-06	3.31E-05	2.98E-06	6.57E-06	2.43E-05	2.14E-06	7.45E-07	4.27E-06	5.09E-07	6.77E-07	2.23E-06	1.54E-07
4422	469404.64	3818341.81	7.98E-06	3.35E-05	3.02E-06	6.65E-06	2.46E-05	2.17E-06	7.54E-07	4.31E-06	5.15E-07	6.85E-07	2.26E-06	1.56E-07
4423	469413.54	3818338.28	8.07E-06	3.39E-05	3.05E-06	6.72E-06	2.49E-05	2.19E-06	7.62E-07	4.36E-06	5.21E-07	6.93E-07	2.28E-06	1.58E-07
4424	469422.44	3818334.76	8.15E-06	3.42E-05	3.08E-06	6.79E-06	2.52E-05	2.21E-06	7.70E-07	4.41E-06	5.26E-07	7.00E-07	2.31E-06	1.59E-07
4425	469431.34	3818331.23	8.23E-06	3.46E-05	3.11E-06	6.86E-06	2.54E-05	2.23E-06	7.77E-07	4.45E-06	5.31E-07	7.07E-07	2.33E-06	1.61E-07

4426	469440.24	3818327.7	8.31E-06	3.49E-05	3.14E-06	6.92E-06	2.57E-05	2.26E-06	7.85E-07	4.49E-06	5.36E-07	7.14E-07	2.35E-06	1.62E-07
4427	469449.14	3818324.18	8.38E-06	3.52E-05	3.17E-06	6.98E-06	2.59E-05	2.28E-06	7.92E-07	4.53E-06	5.41E-07	7.20E-07	2.37E-06	1.64E-07
4428	469458.04	3818320.65	8.45E-06	3.55E-05	3.19E-06	7.04E-06	2.61E-05	2.29E-06	7.98E-07	4.57E-06	5.45E-07	7.25E-07	2.39E-06	1.65E-07
4429	469466.94	3818317.13	8.51E-06	3.57E-05	3.22E-06	7.09E-06	2.63E-05	2.31E-06	8.04E-07	4.60E-06	5.49E-07	7.31E-07	2.41E-06	1.66E-07
4430	469475.84	3818313.6	8.57E-06	3.60E-05	3.24E-06	7.14E-06	2.65E-05	2.33E-06	8.10E-07	4.63E-06	5.53E-07	7.36E-07	2.43E-06	1.67E-07
4431	469484.75	3818310.08	8.63E-06	3.62E-05	3.26E-06	7.19E-06	2.66E-05	2.34E-06	8.15E-07	4.67E-06	5.57E-07	7.41E-07	2.44E-06	1.68E-07
4432	469493.65	3818306.55	8.69E-06	3.65E-05	3.29E-06	7.24E-06	2.68E-05	2.36E-06	8.20E-07	4.70E-06	5.60E-07	7.46E-07	2.46E-06	1.70E-07
4433	469502.55	3818303.03	8.74E-06	3.67E-05	3.31E-06	7.28E-06	2.70E-05	2.37E-06	8.25E-07	4.73E-06	5.64E-07	7.50E-07	2.47E-06	1.71E-07
4434	469511.45	3818299.5	8.80E-06	3.70E-05	3.33E-06	7.33E-06	2.72E-05	2.39E-06	8.31E-07	4.76E-06	5.68E-07	7.55E-07	2.49E-06	1.72E-07
4435	469520.35	3818295.98	8.87E-06	3.72E-05	3.35E-06	7.38E-06	2.74E-05	2.41E-06	8.37E-07	4.79E-06	5.72E-07	7.61E-07	2.51E-06	1.73E-07
4436	469529.25	3818292.45	8.93E-06	3.75E-05	3.38E-06	7.44E-06	2.76E-05	2.43E-06	8.44E-07	4.83E-06	5.76E-07	7.67E-07	2.53E-06	1.74E-07
4437	469538.15	3818288.93	9.00E-06	3.78E-05	3.40E-06	7.49E-06	2.78E-05	2.44E-06	8.49E-07	4.86E-06	5.80E-07	7.72E-07	2.55E-06	1.76E-07
4438	469547.05	3818285.4	9.06E-06	3.80E-05	3.43E-06	7.55E-06	2.80E-05	2.46E-06	8.55E-07	4.90E-06	5.84E-07	7.78E-07	2.56E-06	1.77E-07
4439	469555.95	3818281.88	9.12E-06	3.83E-05	3.45E-06	7.60E-06	2.81E-05	2.48E-06	8.61E-07	4.93E-06	5.88E-07	7.83E-07	2.58E-06	1.78E-07
4440	469564.85	3818278.35	9.19E-06	3.86E-05	3.47E-06	7.65E-06	2.84E-05	2.49E-06	8.68E-07	4.97E-06	5.93E-07	7.89E-07	2.60E-06	1.79E-07
4441	469573.75	3818274.83	9.26E-06	3.89E-05	3.50E-06	7.71E-06	2.86E-05	2.51E-06	8.74E-07	5.01E-06	5.97E-07	7.95E-07	2.62E-06	1.81E-07
4442	469582.66	3818271.3	9.33E-06	3.92E-05	3.53E-06	7.77E-06	2.88E-05	2.53E-06	8.81E-07	5.04E-06	6.02E-07	8.01E-07	2.64E-06	1.82E-07
4443	469591.56	3818267.77	9.40E-06	3.95E-05	3.55E-06	7.83E-06	2.90E-05	2.55E-06	8.87E-07	5.08E-06	6.06E-07	8.07E-07	2.66E-06	1.83E-07
4444	469600.46	3818264.25	9.47E-06	3.98E-05	3.58E-06	7.89E-06	2.92E-05	2.57E-06	8.94E-07	5.12E-06	6.11E-07	8.13E-07	2.68E-06	1.85E-07
4445	469609.36	3818260.72	9.54E-06	4.01E-05	3.61E-06	7.95E-06	2.94E-05	2.59E-06	9.01E-07	5.16E-06	6.15E-07	8.19E-07	2.70E-06	1.86E-07
4446	469618.26	3818257.2	9.61E-06	4.04E-05	3.64E-06	8.01E-06	2.97E-05	2.61E-06	9.08E-07	5.20E-06	6.20E-07	8.25E-07	2.72E-06	1.88E-07
4447	469627.16	3818253.67	9.69E-06	4.07E-05	3.66E-06	8.07E-06	2.99E-05	2.63E-06	9.15E-07	5.24E-06	6.25E-07	8.32E-07	2.74E-06	1.89E-07
4448	469636.06	3818250.15	9.77E-06	4.10E-05	3.70E-06	8.14E-06	3.01E-05	2.65E-06	9.23E-07	5.28E-06	6.30E-07	8.39E-07	2.77E-06	1.91E-07
4449	469644.96	3818246.62	9.86E-06	4.14E-05	3.73E-06	8.21E-06	3.04E-05	2.68E-06	9.31E-07	5.33E-06	6.36E-07	8.46E-07	2.79E-06	1.92E-07
4450	469653.86	3818243.1	9.94E-06	4.17E-05	3.76E-06	8.28E-06	3.07E-05	2.70E-06	9.39E-07	5.37E-06	6.41E-07	8.53E-07	2.81E-06	1.94E-07
4451	469662.76	3818239.57	1.00E-05	4.21E-05	3.79E-06	8.35E-06	3.09E-05	2.72E-06	9.46E-07	5.42E-06	6.46E-07	8.60E-07	2.84E-06	1.96E-07
4452	469671.66	3818236.05	1.01E-05	4.24E-05	3.82E-06	8.41E-06	3.11E-05	2.74E-06	9.53E-07	5.46E-06	6.51E-07	8.66E-07	2.86E-06	1.97E-07
4453	469716.17	3818218.42	1.04E-05	4.38E-05	3.94E-06	8.68E-06	3.22E-05	2.83E-06	9.84E-07	5.64E-06	6.72E-07	8.95E-07	2.95E-06	2.03E-07
4454	469725.07	3818214.9	1.05E-05	4.40E-05	3.97E-06	8.74E-06	3.24E-05	2.85E-06	9.90E-07	5.67E-06	6.76E-07	9.00E-07	2.97E-06	2.05E-07
4455	469733.97	3818211.37	1.05E-05	4.43E-05	3.99E-06	8.78E-06	3.25E-05	2.86E-06	9.96E-07	5.70E-06	6.80E-07	9.05E-07	2.98E-06	2.06E-07
4456	469742.87	3818207.84	1.06E-05	4.45E-05	4.01E-06	8.83E-06	3.27E-05	2.88E-06	1.00E-06	5.73E-06	6.84E-07	9.10E-07	3.00E-06	2.07E-07
4457	469751.77	3818204.32	1.07E-05	4.47E-05	4.03E-06	8.88E-06	3.29E-05	2.89E-06	1.01E-06	5.76E-06	6.87E-07	9.15E-07	3.02E-06	2.08E-07
4458	469760.67	3818200.79	1.07E-05	4.49E-05	4.05E-06	8.91E-06	3.30E-05	2.90E-06	1.01E-06	5.78E-06	6.90E-07	9.18E-07	3.03E-06	2.09E-07
4459	469769.57	3818197.27	1.07E-05	4.51E-05	4.06E-06	8.94E-06	3.31E-05	2.91E-06	1.01E-06	5.80E-06	6.93E-07	9.22E-07	3.04E-06	2.10E-07
4460	469778.47	3818193.74	1.08E-05	4.52E-05	4.07E-06	8.97E-06	3.32E-05	2.92E-06	1.02E-06	5.82E-06	6.95E-07	9.25E-07	3.05E-06	2.10E-07
4461	469787.37	3818190.22	1.08E-05	4.54E-05	4.09E-06	9.00E-06	3.33E-05	2.93E-06	1.02E-06	5.84E-06	6.97E-07	9.28E-07	3.06E-06	2.11E-07
4462	469796.28	3818186.69	1.08E-05	4.55E-05	4.10E-06	9.02E-06	3.34E-05	2.94E-06	1.02E-06	5.86E-06	6.99E-07	9.30E-07	3.07E-06	2.11E-07
4463	469805.18	3818183.17	1.09E-05	4.56E-05	4.11E-06	9.04E-06	3.35E-05	2.95E-06	1.03E-06	5.87E-06	7.00E-07	9.32E-07	3.07E-06	2.12E-07
4464	469814.08	3818179.64	1.09E-05	4.57E-05	4.12E-06	9.07E-06	3.36E-05	2.96E-06	1.03E-06	5.89E-06	7.02E-07	9.35E-07	3.08E-06	2.12E-07
4465	469822.98	3818176.12	1.09E-05	4.58E-05	4.13E-06	9.09E-06	3.37E-05	2.96E-06	1.03E-06	5.90E-06	7.04E-07	9.37E-07	3.09E-06	2.13E-07
4466	469831.88	3818172.59	1.09E-05	4.60E-05	4.14E-06	9.12E-06	3.38E-05	2.97E-06	1.03E-06	5.92E-06	7.06E-07	9.40E-07	3.10E-06	2.14E-07
4467	469840.78	3818169.07	1.10E-05	4.61E-05	4.15E-06	9.15E-06	3.39E-05	2.98E-06	1.04E-06	5.94E-06	7.08E-07	9.43E-07	3.11E-06	2.14E-07
4468	469849.68	3818165.54	1.10E-05	4.62E-05	4.16E-06	9.17E-06	3.40E-05	2.99E-06	1.04E-06	5.95E-06	7.10E-07	9.45E-07	3.12E-06	2.15E-07

4469	469858.58	3818162.02	1.10E-05	4.64E-05	4.18E-06	9.20E-06	3.41E-05	3.00E-06	1.04E-06	5.97E-06	7.12E-07	9.48E-07	3.13E-06	2.15E-07
4470	469867.48	3818158.49	1.11E-05	4.65E-05	4.19E-06	9.23E-06	3.42E-05	3.01E-06	1.05E-06	5.99E-06	7.15E-07	9.51E-07	3.14E-06	2.16E-07
4471	469876.38	3818154.97	1.11E-05	4.67E-05	4.21E-06	9.26E-06	3.43E-05	3.02E-06	1.05E-06	6.01E-06	7.17E-07	9.55E-07	3.15E-06	2.17E-07
4472	469885.28	3818151.44	1.12E-05	4.69E-05	4.22E-06	9.30E-06	3.44E-05	3.03E-06	1.05E-06	6.03E-06	7.20E-07	9.58E-07	3.16E-06	2.18E-07
4473	469894.19	3818147.92	1.12E-05	4.71E-05	4.24E-06	9.34E-06	3.46E-05	3.04E-06	1.06E-06	6.06E-06	7.23E-07	9.62E-07	3.17E-06	2.19E-07
4474	469903.09	3818144.39	1.13E-05	4.73E-05	4.26E-06	9.37E-06	3.47E-05	3.05E-06	1.06E-06	6.08E-06	7.26E-07	9.66E-07	3.19E-06	2.20E-07
4475	469911.99	3818140.86	1.13E-05	4.75E-05	4.28E-06	9.42E-06	3.49E-05	3.07E-06	1.07E-06	6.11E-06	7.29E-07	9.70E-07	3.20E-06	2.21E-07
4476	469920.89	3818137.34	1.14E-05	4.77E-05	4.30E-06	9.47E-06	3.51E-05	3.09E-06	1.07E-06	6.15E-06	7.33E-07	9.76E-07	3.22E-06	2.22E-07
4477	469929.79	3818133.81	1.14E-05	4.80E-05	4.33E-06	9.53E-06	3.53E-05	3.11E-06	1.08E-06	6.18E-06	7.38E-07	9.82E-07	3.24E-06	2.23E-07
4478	469938.69	3818130.29	1.15E-05	4.83E-05	4.35E-06	9.58E-06	3.55E-05	3.12E-06	1.09E-06	6.22E-06	7.42E-07	9.88E-07	3.26E-06	2.25E-07
4479	469947.59	3818126.76	1.16E-05	4.86E-05	4.38E-06	9.64E-06	3.57E-05	3.14E-06	1.09E-06	6.26E-06	7.47E-07	9.94E-07	3.28E-06	2.26E-07
4480	469956.49	3818123.24	1.17E-05	4.90E-05	4.41E-06	9.71E-06	3.60E-05	3.16E-06	1.10E-06	6.30E-06	7.52E-07	1.00E-06	3.30E-06	2.27E-07
4481	469965.39	3818119.71	1.17E-05	4.93E-05	4.44E-06	9.78E-06	3.62E-05	3.19E-06	1.11E-06	6.35E-06	7.57E-07	1.01E-06	3.32E-06	2.29E-07
4482	469974.29	3818116.19	1.18E-05	4.96E-05	4.47E-06	9.84E-06	3.65E-05	3.21E-06	1.12E-06	6.39E-06	7.62E-07	1.01E-06	3.34E-06	2.31E-07
4483	469983.19	3818112.66	1.19E-05	4.99E-05	4.50E-06	9.91E-06	3.67E-05	3.23E-06	1.12E-06	6.43E-06	7.67E-07	1.02E-06	3.37E-06	2.32E-07
4484	469992.09	3818109.14	1.20E-05	5.03E-05	4.53E-06	9.97E-06	3.69E-05	3.25E-06	1.13E-06	6.47E-06	7.72E-07	1.03E-06	3.39E-06	2.34E-07
4485	470001	3818105.61	1.21E-05	5.06E-05	4.56E-06	1.00E-05	3.72E-05	3.27E-06	1.14E-06	6.52E-06	7.78E-07	1.03E-06	3.41E-06	2.35E-07
4486	470009.9	3818102.09	1.21E-05	5.10E-05	4.59E-06	1.01E-05	3.75E-05	3.29E-06	1.15E-06	6.56E-06	7.83E-07	1.04E-06	3.44E-06	2.37E-07
4487	470018.8	3818098.56	1.22E-05	5.13E-05	4.62E-06	1.02E-05	3.77E-05	3.31E-06	1.15E-06	6.60E-06	7.88E-07	1.05E-06	3.46E-06	2.38E-07
4488	470045.5	3818087.99	1.24E-05	5.19E-05	4.67E-06	1.03E-05	3.81E-05	3.35E-06	1.17E-06	6.68E-06	7.97E-07	1.06E-06	3.50E-06	2.41E-07
4489	470054.4	3818084.46	1.24E-05	5.20E-05	4.69E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.70E-06	7.99E-07	1.06E-06	3.51E-06	2.42E-07
4490	470063.3	3818080.93	1.24E-05	5.21E-05	4.69E-06	1.03E-05	3.83E-05	3.37E-06	1.17E-06	6.71E-06	8.01E-07	1.07E-06	3.51E-06	2.42E-07
4491	470072.2	3818077.41	1.24E-05	5.22E-05	4.70E-06	1.03E-05	3.83E-05	3.37E-06	1.17E-06	6.71E-06	8.01E-07	1.07E-06	3.52E-06	2.42E-07
4492	470081.1	3818073.88	1.24E-05	5.22E-05	4.70E-06	1.03E-05	3.83E-05	3.37E-06	1.17E-06	6.71E-06	8.01E-07	1.07E-06	3.52E-06	2.42E-07
4493	470090	3818070.36	1.24E-05	5.21E-05	4.69E-06	1.03E-05	3.83E-05	3.37E-06	1.17E-06	6.71E-06	8.01E-07	1.07E-06	3.51E-06	2.42E-07
4494	470098.91	3818066.83	1.24E-05	5.20E-05	4.68E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.70E-06	7.99E-07	1.06E-06	3.51E-06	2.42E-07
4495	470107.81	3818063.31	1.23E-05	5.18E-05	4.67E-06	1.03E-05	3.81E-05	3.35E-06	1.17E-06	6.67E-06	7.96E-07	1.06E-06	3.49E-06	2.41E-07
4496	470116.71	3818059.78	1.23E-05	5.16E-05	4.65E-06	1.02E-05	3.79E-05	3.34E-06	1.16E-06	6.65E-06	7.93E-07	1.06E-06	3.48E-06	2.40E-07
4497	468928.8	3819231.81	3.47E-06	1.46E-05	1.31E-06	2.89E-06	1.07E-05	9.43E-07	3.28E-07	1.88E-06	2.24E-07	2.98E-07	9.83E-07	6.78E-08
4498	468928.61	3819241.46	3.53E-06	1.48E-05	1.34E-06	2.94E-06	1.09E-05	9.59E-07	3.33E-07	1.91E-06	2.28E-07	3.03E-07	9.99E-07	6.89E-08
4499	468928.41	3819251.11	3.59E-06	1.51E-05	1.36E-06	2.99E-06	1.11E-05	9.74E-07	3.39E-07	1.94E-06	2.31E-07	3.08E-07	1.02E-06	7.00E-08
4500	468928.22	3819260.76	3.65E-06	1.53E-05	1.38E-06	3.04E-06	1.13E-05	9.90E-07	3.44E-07	1.97E-06	2.35E-07	3.13E-07	1.03E-06	7.11E-08
4501	468928.03	3819270.41	3.71E-06	1.56E-05	1.40E-06	3.09E-06	1.14E-05	1.01E-06	3.50E-07	2.01E-06	2.39E-07	3.18E-07	1.05E-06	7.24E-08
4502	468927.83	3819280.06	3.77E-06	1.58E-05	1.42E-06	3.14E-06	1.16E-05	1.02E-06	3.56E-07	2.04E-06	2.43E-07	3.23E-07	1.07E-06	7.35E-08
4503	468927.64	3819289.7	3.82E-06	1.60E-05	1.44E-06	3.18E-06	1.18E-05	1.04E-06	3.61E-07	2.06E-06	2.46E-07	3.28E-07	1.08E-06	7.45E-08
4504	468927.45	3819299.35	3.87E-06	1.63E-05	1.46E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.09E-06	2.50E-07	3.32E-07	1.10E-06	7.56E-08
4505	468927.25	3819309	3.93E-06	1.65E-05	1.48E-06	3.27E-06	1.21E-05	1.07E-06	3.71E-07	2.12E-06	2.53E-07	3.37E-07	1.11E-06	7.66E-08
4506	468927.06	3819318.65	3.97E-06	1.67E-05	1.50E-06	3.31E-06	1.23E-05	1.08E-06	3.75E-07	2.15E-06	2.56E-07	3.41E-07	1.12E-06	7.75E-08
4507	468926.87	3819328.3	4.02E-06	1.69E-05	1.52E-06	3.35E-06	1.24E-05	1.09E-06	3.80E-07	2.17E-06	2.59E-07	3.45E-07	1.14E-06	7.85E-08
4508	468926.68	3819337.94	4.07E-06	1.71E-05	1.54E-06	3.39E-06	1.26E-05	1.10E-06	3.84E-07	2.20E-06	2.62E-07	3.49E-07	1.15E-06	7.94E-08
4509	468926.48	3819347.59	4.11E-06	1.73E-05	1.56E-06	3.43E-06	1.27E-05	1.12E-06	3.88E-07	2.22E-06	2.65E-07	3.53E-07	1.16E-06	8.03E-08
4510	468926.29	3819357.24	4.15E-06	1.74E-05	1.57E-06	3.46E-06	1.28E-05	1.13E-06	3.92E-07	2.24E-06	2.68E-07	3.56E-07	1.18E-06	8.10E-08
4511	468926.1	3819366.89	4.19E-06	1.76E-05	1.58E-06	3.49E-06	1.29E-05	1.14E-06	3.96E-07	2.27E-06	2.70E-07	3.60E-07	1.19E-06	8.18E-08

4512	468925.9	3819376.54	4.22E-06	1.77E-05	1.60E-06	3.52E-06	1.30E-05	1.15E-06	3.99E-07	2.28E-06	2.72E-07	3.63E-07	1.20E-06	8.24E-08
4513	468925.71	3819386.19	4.26E-06	1.79E-05	1.61E-06	3.55E-06	1.31E-05	1.16E-06	4.02E-07	2.30E-06	2.75E-07	3.65E-07	1.21E-06	8.31E-08
4514	468925.52	3819395.83	4.29E-06	1.80E-05	1.62E-06	3.57E-06	1.32E-05	1.16E-06	4.05E-07	2.32E-06	2.77E-07	3.68E-07	1.21E-06	8.37E-08
4515	468925.32	3819405.48	4.32E-06	1.81E-05	1.63E-06	3.60E-06	1.33E-05	1.17E-06	4.08E-07	2.34E-06	2.79E-07	3.71E-07	1.22E-06	8.43E-08
4516	468925.13	3819415.13	4.35E-06	1.83E-05	1.65E-06	3.63E-06	1.34E-05	1.18E-06	4.11E-07	2.35E-06	2.81E-07	3.74E-07	1.23E-06	8.50E-08
4517	468924.94	3819424.78	4.39E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.14E-07	2.37E-06	2.83E-07	3.77E-07	1.24E-06	8.56E-08
4518	469075.84	3818691.24	4.54E-06	1.91E-05	1.72E-06	3.78E-06	1.40E-05	1.23E-06	4.29E-07	2.45E-06	2.93E-07	3.90E-07	1.29E-06	8.86E-08
4519	469079.68	3818682.43	4.61E-06	1.94E-05	1.74E-06	3.84E-06	1.42E-05	1.25E-06	4.35E-07	2.49E-06	2.97E-07	3.96E-07	1.30E-06	8.99E-08
4520	469083.52	3818673.62	4.68E-06	1.97E-05	1.77E-06	3.90E-06	1.44E-05	1.27E-06	4.42E-07	2.53E-06	3.02E-07	4.02E-07	1.32E-06	9.13E-08
4521	469087.36	3818664.82	4.75E-06	1.99E-05	1.80E-06	3.95E-06	1.47E-05	1.29E-06	4.48E-07	2.57E-06	3.06E-07	4.08E-07	1.34E-06	9.26E-08
4522	469091.2	3818656.01	4.81E-06	2.02E-05	1.82E-06	4.01E-06	1.48E-05	1.31E-06	4.54E-07	2.60E-06	3.10E-07	4.13E-07	1.36E-06	9.39E-08
4523	469095.05	3818647.2	4.87E-06	2.05E-05	1.84E-06	4.06E-06	1.50E-05	1.32E-06	4.60E-07	2.63E-06	3.14E-07	4.18E-07	1.38E-06	9.51E-08
4524	469098.89	3818638.39	4.93E-06	2.07E-05	1.86E-06	4.11E-06	1.52E-05	1.34E-06	4.66E-07	2.67E-06	3.18E-07	4.23E-07	1.40E-06	9.62E-08
4525	469102.73	3818629.58	4.99E-06	2.10E-05	1.89E-06	4.16E-06	1.54E-05	1.35E-06	4.71E-07	2.70E-06	3.22E-07	4.28E-07	1.41E-06	9.73E-08
4526	469106.57	3818620.78	5.04E-06	2.12E-05	1.91E-06	4.20E-06	1.56E-05	1.37E-06	4.76E-07	2.73E-06	3.25E-07	4.33E-07	1.43E-06	9.84E-08
4527	469137.3	3818550.31	5.33E-06	2.24E-05	2.02E-06	4.44E-06	1.64E-05	1.45E-06	5.03E-07	2.88E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
4528	469141.14	3818541.5	5.35E-06	2.25E-05	2.02E-06	4.46E-06	1.65E-05	1.45E-06	5.06E-07	2.89E-06	3.45E-07	4.60E-07	1.52E-06	1.04E-07
4529	469144.98	3818532.69	5.37E-06	2.26E-05	2.03E-06	4.48E-06	1.66E-05	1.46E-06	5.07E-07	2.90E-06	3.47E-07	4.61E-07	1.52E-06	1.05E-07
4530	469148.82	3818523.89	5.39E-06	2.26E-05	2.04E-06	4.49E-06	1.66E-05	1.46E-06	5.09E-07	2.92E-06	3.48E-07	4.63E-07	1.53E-06	1.05E-07
4531	469152.66	3818515.08	5.41E-06	2.27E-05	2.04E-06	4.50E-06	1.67E-05	1.47E-06	5.11E-07	2.92E-06	3.49E-07	4.64E-07	1.53E-06	1.06E-07
4532	469156.51	3818506.27	5.42E-06	2.28E-05	2.05E-06	4.52E-06	1.67E-05	1.47E-06	5.12E-07	2.93E-06	3.50E-07	4.65E-07	1.53E-06	1.06E-07
4533	469160.35	3818497.46	5.43E-06	2.28E-05	2.05E-06	4.52E-06	1.68E-05	1.47E-06	5.13E-07	2.94E-06	3.50E-07	4.66E-07	1.54E-06	1.06E-07
4534	469164.19	3818488.65	5.45E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.14E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
4535	469168.03	3818479.85	5.46E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.15E-07	2.95E-06	3.52E-07	4.68E-07	1.54E-06	1.06E-07
4536	469171.87	3818471.04	5.46E-06	2.30E-05	2.07E-06	4.55E-06	1.69E-05	1.48E-06	5.16E-07	2.95E-06	3.52E-07	4.69E-07	1.55E-06	1.07E-07
4537	469175.71	3818462.23	5.47E-06	2.30E-05	2.07E-06	4.56E-06	1.69E-05	1.49E-06	5.17E-07	2.96E-06	3.53E-07	4.70E-07	1.55E-06	1.07E-07
4538	469179.55	3818453.42	5.49E-06	2.31E-05	2.08E-06	4.57E-06	1.69E-05	1.49E-06	5.18E-07	2.97E-06	3.54E-07	4.71E-07	1.55E-06	1.07E-07
4539	469183.39	3818444.61	5.50E-06	2.31E-05	2.08E-06	4.58E-06	1.70E-05	1.49E-06	5.20E-07	2.98E-06	3.55E-07	4.72E-07	1.56E-06	1.07E-07
4540	469187.24	3818435.81	5.51E-06	2.31E-05	2.08E-06	4.59E-06	1.70E-05	1.50E-06	5.20E-07	2.98E-06	3.55E-07	4.73E-07	1.56E-06	1.07E-07
4541	469191.08	3818427	5.52E-06	2.32E-05	2.09E-06	4.60E-06	1.70E-05	1.50E-06	5.21E-07	2.98E-06	3.56E-07	4.74E-07	1.56E-06	1.08E-07
4542	469206.44	3818391.77	5.59E-06	2.35E-05	2.11E-06	4.65E-06	1.72E-05	1.52E-06	5.27E-07	3.02E-06	3.60E-07	4.79E-07	1.58E-06	1.09E-07
4543	469210.28	3818382.96	5.60E-06	2.35E-05	2.12E-06	4.67E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.59E-06	1.09E-07
4544	469214.13	3818374.15	5.62E-06	2.36E-05	2.13E-06	4.68E-06	1.74E-05	1.53E-06	5.31E-07	3.04E-06	3.63E-07	4.83E-07	1.59E-06	1.10E-07
4545	469217.97	3818365.34	5.65E-06	2.37E-05	2.14E-06	4.70E-06	1.74E-05	1.53E-06	5.33E-07	3.05E-06	3.64E-07	4.85E-07	1.60E-06	1.10E-07
4546	469221.81	3818356.53	5.67E-06	2.38E-05	2.15E-06	4.72E-06	1.75E-05	1.54E-06	5.36E-07	3.07E-06	3.66E-07	4.87E-07	1.61E-06	1.11E-07
4547	469225.65	3818347.72	5.71E-06	2.40E-05	2.16E-06	4.75E-06	1.76E-05	1.55E-06	5.39E-07	3.08E-06	3.68E-07	4.90E-07	1.61E-06	1.11E-07
4548	469229.49	3818338.92	5.73E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.41E-07	3.10E-06	3.70E-07	4.92E-07	1.62E-06	1.12E-07
4549	469242.27	3818326.57	5.85E-06	2.46E-05	2.21E-06	4.88E-06	1.81E-05	1.59E-06	5.53E-07	3.16E-06	3.78E-07	5.03E-07	1.66E-06	1.14E-07
4550	469251.2	3818323.03	5.96E-06	2.50E-05	2.25E-06	4.96E-06	1.84E-05	1.62E-06	5.62E-07	3.22E-06	3.84E-07	5.11E-07	1.69E-06	1.16E-07
4551	469260.13	3818319.49	6.06E-06	2.54E-05	2.29E-06	5.04E-06	1.87E-05	1.64E-06	5.72E-07	3.27E-06	3.91E-07	5.20E-07	1.71E-06	1.18E-07
4552	469269.07	3818315.95	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.81E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
4553	469278	3818312.42	6.26E-06	2.63E-05	2.37E-06	5.21E-06	1.93E-05	1.70E-06	5.91E-07	3.38E-06	4.04E-07	5.37E-07	1.77E-06	1.22E-07
4554	469286.94	3818308.88	6.35E-06	2.67E-05	2.40E-06	5.29E-06	1.96E-05	1.73E-06	6.00E-07	3.44E-06	4.10E-07	5.46E-07	1.80E-06	1.24E-07

4555	469295.87	3818305.34	6.46E-06	2.71E-05	2.44E-06	5.38E-06	1.99E-05	1.75E-06	6.10E-07	3.49E-06	4.16E-07	5.54E-07	1.83E-06	1.26E-07
4556	469304.8	3818301.8	6.55E-06	2.75E-05	2.48E-06	5.46E-06	2.02E-05	1.78E-06	6.19E-07	3.54E-06	4.23E-07	5.62E-07	1.85E-06	1.28E-07
4557	469313.74	3818298.26	6.64E-06	2.79E-05	2.51E-06	5.53E-06	2.05E-05	1.80E-06	6.27E-07	3.59E-06	4.29E-07	5.70E-07	1.88E-06	1.30E-07
4558	469322.67	3818294.72	6.73E-06	2.83E-05	2.55E-06	5.61E-06	2.08E-05	1.83E-06	6.36E-07	3.64E-06	4.34E-07	5.78E-07	1.91E-06	1.31E-07
4559	469331.61	3818291.19	6.82E-06	2.86E-05	2.58E-06	5.68E-06	2.11E-05	1.85E-06	6.44E-07	3.69E-06	4.40E-07	5.86E-07	1.93E-06	1.33E-07
4560	469340.54	3818287.65	6.90E-06	2.90E-05	2.61E-06	5.75E-06	2.13E-05	1.87E-06	6.52E-07	3.73E-06	4.45E-07	5.93E-07	1.95E-06	1.35E-07
4561	469349.47	3818284.11	6.98E-06	2.93E-05	2.64E-06	5.81E-06	2.15E-05	1.89E-06	6.59E-07	3.77E-06	4.50E-07	5.99E-07	1.98E-06	1.36E-07
4562	469358.41	3818280.57	7.06E-06	2.96E-05	2.67E-06	5.88E-06	2.18E-05	1.92E-06	6.66E-07	3.82E-06	4.55E-07	6.06E-07	2.00E-06	1.38E-07
4563	469367.34	3818277.03	7.12E-06	2.99E-05	2.69E-06	5.93E-06	2.20E-05	1.93E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
4564	469376.28	3818273.49	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.04E-06	1.40E-07
4565	469385.21	3818269.96	7.25E-06	3.04E-05	2.74E-06	6.04E-06	2.24E-05	1.97E-06	6.85E-07	3.92E-06	4.68E-07	6.22E-07	2.05E-06	1.41E-07
4566	469394.14	3818266.42	7.31E-06	3.07E-05	2.76E-06	6.09E-06	2.25E-05	1.98E-06	6.90E-07	3.95E-06	4.71E-07	6.27E-07	2.07E-06	1.43E-07
4567	469403.08	3818262.88	7.37E-06	3.10E-05	2.79E-06	6.14E-06	2.27E-05	2.00E-06	6.96E-07	3.98E-06	4.75E-07	6.33E-07	2.09E-06	1.44E-07
4568	469412.01	3818259.34	7.43E-06	3.12E-05	2.81E-06	6.19E-06	2.29E-05	2.02E-06	7.01E-07	4.02E-06	4.79E-07	6.38E-07	2.10E-06	1.45E-07
4569	469420.95	3818255.8	7.49E-06	3.14E-05	2.83E-06	6.23E-06	2.31E-05	2.03E-06	7.07E-07	4.05E-06	4.83E-07	6.43E-07	2.12E-06	1.46E-07
4570	469429.88	3818252.26	7.53E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.11E-07	4.07E-06	4.86E-07	6.46E-07	2.13E-06	1.47E-07
4571	469438.81	3818248.72	7.57E-06	3.18E-05	2.86E-06	6.31E-06	2.34E-05	2.06E-06	7.15E-07	4.09E-06	4.88E-07	6.50E-07	2.14E-06	1.48E-07
4572	469447.75	3818245.19	7.62E-06	3.20E-05	2.88E-06	6.34E-06	2.35E-05	2.07E-06	7.19E-07	4.12E-06	4.91E-07	6.54E-07	2.16E-06	1.49E-07
4573	469456.68	3818241.65	7.66E-06	3.22E-05	2.90E-06	6.38E-06	2.36E-05	2.08E-06	7.23E-07	4.14E-06	4.94E-07	6.57E-07	2.17E-06	1.49E-07
4574	469465.62	3818238.11	7.70E-06	3.23E-05	2.91E-06	6.42E-06	2.38E-05	2.09E-06	7.27E-07	4.16E-06	4.97E-07	6.61E-07	2.18E-06	1.50E-07
4575	469474.55	3818234.57	7.74E-06	3.25E-05	2.93E-06	6.45E-06	2.39E-05	2.10E-06	7.31E-07	4.18E-06	4.99E-07	6.64E-07	2.19E-06	1.51E-07
4576	469483.49	3818231.03	7.79E-06	3.27E-05	2.95E-06	6.49E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.69E-07	2.20E-06	1.52E-07
4577	469492.42	3818227.49	7.85E-06	3.30E-05	2.97E-06	6.54E-06	2.42E-05	2.13E-06	7.41E-07	4.24E-06	5.06E-07	6.74E-07	2.22E-06	1.53E-07
4578	469501.35	3818223.96	7.90E-06	3.32E-05	2.99E-06	6.58E-06	2.44E-05	2.15E-06	7.46E-07	4.27E-06	5.10E-07	6.79E-07	2.24E-06	1.54E-07
4579	469510.29	3818220.42	7.97E-06	3.35E-05	3.01E-06	6.64E-06	2.46E-05	2.16E-06	7.52E-07	4.31E-06	5.14E-07	6.84E-07	2.25E-06	1.55E-07
4580	469519.22	3818216.88	8.01E-06	3.37E-05	3.03E-06	6.68E-06	2.47E-05	2.18E-06	7.57E-07	4.33E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
4581	469528.16	3818213.34	8.07E-06	3.39E-05	3.05E-06	6.72E-06	2.49E-05	2.19E-06	7.62E-07	4.36E-06	5.20E-07	6.93E-07	2.28E-06	1.57E-07
4582	469537.09	3818209.8	8.13E-06	3.41E-05	3.07E-06	6.77E-06	2.51E-05	2.21E-06	7.67E-07	4.39E-06	5.24E-07	6.98E-07	2.30E-06	1.59E-07
4583	469546.02	3818206.26	8.18E-06	3.44E-05	3.09E-06	6.82E-06	2.53E-05	2.22E-06	7.73E-07	4.42E-06	5.28E-07	7.02E-07	2.32E-06	1.60E-07
4584	469554.96	3818202.73	8.24E-06	3.46E-05	3.12E-06	6.86E-06	2.54E-05	2.24E-06	7.78E-07	4.45E-06	5.32E-07	7.07E-07	2.33E-06	1.61E-07
4585	469563.89	3818199.19	8.30E-06	3.49E-05	3.14E-06	6.92E-06	2.56E-05	2.25E-06	7.84E-07	4.49E-06	5.36E-07	7.13E-07	2.35E-06	1.62E-07
4586	469572.83	3818195.65	8.37E-06	3.51E-05	3.16E-06	6.97E-06	2.58E-05	2.27E-06	7.90E-07	4.52E-06	5.40E-07	7.18E-07	2.37E-06	1.63E-07
4587	469581.76	3818192.11	8.44E-06	3.55E-05	3.19E-06	7.03E-06	2.61E-05	2.29E-06	7.97E-07	4.56E-06	5.45E-07	7.25E-07	2.39E-06	1.65E-07
4588	469590.69	3818188.57	8.51E-06	3.58E-05	3.22E-06	7.09E-06	2.63E-05	2.31E-06	8.04E-07	4.60E-06	5.49E-07	7.31E-07	2.41E-06	1.66E-07
4589	469599.63	3818185.03	8.59E-06	3.61E-05	3.25E-06	7.16E-06	2.65E-05	2.33E-06	8.11E-07	4.64E-06	5.54E-07	7.38E-07	2.43E-06	1.68E-07
4590	469608.56	3818181.49	8.65E-06	3.63E-05	3.27E-06	7.21E-06	2.67E-05	2.35E-06	8.17E-07	4.68E-06	5.58E-07	7.43E-07	2.45E-06	1.69E-07
4591	469617.5	3818177.96	8.72E-06	3.66E-05	3.30E-06	7.26E-06	2.69E-05	2.37E-06	8.24E-07	4.71E-06	5.63E-07	7.49E-07	2.47E-06	1.70E-07
4592	469626.43	3818174.42	8.78E-06	3.69E-05	3.32E-06	7.32E-06	2.71E-05	2.38E-06	8.29E-07	4.75E-06	5.67E-07	7.54E-07	2.49E-06	1.71E-07
4593	469635.36	3818170.88	8.85E-06	3.72E-05	3.35E-06	7.37E-06	2.73E-05	2.40E-06	8.36E-07	4.79E-06	5.71E-07	7.60E-07	2.51E-06	1.73E-07
4594	469644.3	3818167.34	8.91E-06	3.74E-05	3.37E-06	7.42E-06	2.75E-05	2.42E-06	8.42E-07	4.82E-06	5.75E-07	7.65E-07	2.52E-06	1.74E-07
4595	469653.23	3818163.8	8.98E-06	3.77E-05	3.39E-06	7.48E-06	2.77E-05	2.44E-06	8.48E-07	4.85E-06	5.79E-07	7.71E-07	2.54E-06	1.75E-07
4596	469662.17	3818160.26	9.04E-06	3.80E-05	3.42E-06	7.53E-06	2.79E-05	2.45E-06	8.54E-07	4.89E-06	5.83E-07	7.76E-07	2.56E-06	1.76E-07
4597	469671.1	3818156.73	9.10E-06	3.82E-05	3.44E-06	7.58E-06	2.81E-05	2.47E-06	8.59E-07	4.92E-06	5.87E-07	7.81E-07	2.58E-06	1.78E-07

4598	469680.03	3818153.19	9.16E-06	3.85E-05	3.46E-06	7.63E-06	2.83E-05	2.49E-06	8.65E-07	4.95E-06	5.91E-07	7.86E-07	2.59E-06	1.79E-07
4599	469715.77	3818139.03	9.37E-06	3.94E-05	3.54E-06	7.81E-06	2.89E-05	2.54E-06	8.85E-07	5.07E-06	6.04E-07	8.04E-07	2.65E-06	1.83E-07
4600	469724.7	3818135.49	9.41E-06	3.95E-05	3.56E-06	7.84E-06	2.91E-05	2.56E-06	8.89E-07	5.09E-06	6.07E-07	8.08E-07	2.66E-06	1.84E-07
4601	469733.64	3818131.96	9.45E-06	3.97E-05	3.57E-06	7.87E-06	2.92E-05	2.56E-06	8.92E-07	5.11E-06	6.09E-07	8.11E-07	2.67E-06	1.84E-07
4602	469742.57	3818128.42	9.48E-06	3.98E-05	3.59E-06	7.90E-06	2.93E-05	2.57E-06	8.95E-07	5.13E-06	6.12E-07	8.14E-07	2.68E-06	1.85E-07
4603	469751.51	3818124.88	9.51E-06	3.99E-05	3.60E-06	7.92E-06	2.93E-05	2.58E-06	8.98E-07	5.14E-06	6.13E-07	8.16E-07	2.69E-06	1.86E-07
4604	469760.44	3818121.34	9.54E-06	4.01E-05	3.61E-06	7.95E-06	2.95E-05	2.59E-06	9.01E-07	5.16E-06	6.16E-07	8.19E-07	2.70E-06	1.86E-07
4605	469769.37	3818117.8	9.57E-06	4.02E-05	3.62E-06	7.97E-06	2.95E-05	2.60E-06	9.04E-07	5.18E-06	6.17E-07	8.22E-07	2.71E-06	1.87E-07
4606	469778.31	3818114.26	9.60E-06	4.03E-05	3.63E-06	8.00E-06	2.96E-05	2.61E-06	9.07E-07	5.19E-06	6.19E-07	8.24E-07	2.72E-06	1.87E-07
4607	469787.24	3818110.73	9.63E-06	4.04E-05	3.64E-06	8.02E-06	2.97E-05	2.61E-06	9.09E-07	5.20E-06	6.21E-07	8.26E-07	2.72E-06	1.88E-07
4608	469796.18	3818107.19	9.65E-06	4.05E-05	3.65E-06	8.03E-06	2.98E-05	2.62E-06	9.11E-07	5.21E-06	6.22E-07	8.28E-07	2.73E-06	1.88E-07
4609	469805.11	3818103.65	9.67E-06	4.06E-05	3.66E-06	8.05E-06	2.98E-05	2.62E-06	9.13E-07	5.23E-06	6.24E-07	8.30E-07	2.74E-06	1.89E-07
4610	469814.05	3818100.11	9.70E-06	4.07E-05	3.67E-06	8.08E-06	2.99E-05	2.63E-06	9.16E-07	5.24E-06	6.26E-07	8.33E-07	2.75E-06	1.89E-07
4611	469822.98	3818096.57	9.72E-06	4.08E-05	3.68E-06	8.10E-06	3.00E-05	2.64E-06	9.18E-07	5.26E-06	6.27E-07	8.35E-07	2.75E-06	1.90E-07
4612	469831.91	3818093.03	9.75E-06	4.09E-05	3.69E-06	8.12E-06	3.01E-05	2.65E-06	9.20E-07	5.27E-06	6.29E-07	8.37E-07	2.76E-06	1.90E-07
4613	469840.85	3818089.5	9.78E-06	4.11E-05	3.70E-06	8.14E-06	3.02E-05	2.65E-06	9.23E-07	5.28E-06	6.30E-07	8.39E-07	2.77E-06	1.91E-07
4614	469849.78	3818085.96	9.79E-06	4.11E-05	3.70E-06	8.16E-06	3.02E-05	2.66E-06	9.25E-07	5.29E-06	6.32E-07	8.41E-07	2.77E-06	1.91E-07
4615	469858.72	3818082.42	9.82E-06	4.13E-05	3.72E-06	8.18E-06	3.03E-05	2.67E-06	9.28E-07	5.31E-06	6.34E-07	8.43E-07	2.78E-06	1.92E-07
4616	469867.65	3818078.88	9.85E-06	4.14E-05	3.73E-06	8.21E-06	3.04E-05	2.67E-06	9.30E-07	5.33E-06	6.35E-07	8.46E-07	2.79E-06	1.92E-07
4617	469876.58	3818075.34	9.89E-06	4.15E-05	3.74E-06	8.24E-06	3.05E-05	2.68E-06	9.34E-07	5.35E-06	6.38E-07	8.49E-07	2.80E-06	1.93E-07
4618	469885.52	3818071.8	9.93E-06	4.17E-05	3.76E-06	8.27E-06	3.07E-05	2.70E-06	9.38E-07	5.37E-06	6.41E-07	8.53E-07	2.81E-06	1.94E-07
4619	469894.45	3818068.26	9.98E-06	4.19E-05	3.77E-06	8.31E-06	3.08E-05	2.71E-06	9.42E-07	5.39E-06	6.44E-07	8.57E-07	2.82E-06	1.95E-07
4620	469903.39	3818064.73	1.00E-05	4.21E-05	3.79E-06	8.35E-06	3.09E-05	2.72E-06	9.47E-07	5.42E-06	6.47E-07	8.61E-07	2.84E-06	1.96E-07
4621	469912.32	3818061.19	1.01E-05	4.23E-05	3.81E-06	8.39E-06	3.11E-05	2.74E-06	9.52E-07	5.45E-06	6.50E-07	8.65E-07	2.85E-06	1.97E-07
4622	469921.25	3818057.65	1.01E-05	4.26E-05	3.84E-06	8.45E-06	3.13E-05	2.75E-06	9.58E-07	5.48E-06	6.54E-07	8.71E-07	2.87E-06	1.98E-07
4623	469930.19	3818054.11	1.02E-05	4.29E-05	3.86E-06	8.51E-06	3.15E-05	2.77E-06	9.65E-07	5.52E-06	6.59E-07	8.77E-07	2.89E-06	1.99E-07
4624	469939.12	3818050.57	1.03E-05	4.31E-05	3.88E-06	8.56E-06	3.17E-05	2.79E-06	9.70E-07	5.55E-06	6.62E-07	8.82E-07	2.91E-06	2.00E-07
4625	469948.06	3818047.03	1.03E-05	4.34E-05	3.90E-06	8.60E-06	3.19E-05	2.80E-06	9.75E-07	5.58E-06	6.66E-07	8.86E-07	2.92E-06	2.01E-07
4626	469956.99	3818043.5	1.04E-05	4.36E-05	3.93E-06	8.65E-06	3.20E-05	2.82E-06	9.80E-07	5.61E-06	6.70E-07	8.91E-07	2.94E-06	2.03E-07
4627	469965.92	3818039.96	1.04E-05	4.39E-05	3.95E-06	8.70E-06	3.22E-05	2.84E-06	9.87E-07	5.65E-06	6.74E-07	8.97E-07	2.96E-06	2.04E-07
4628	469974.86	3818036.42	1.05E-05	4.42E-05	3.98E-06	8.76E-06	3.25E-05	2.86E-06	9.94E-07	5.69E-06	6.79E-07	9.03E-07	2.98E-06	2.05E-07
4629	469983.79	3818032.88	1.06E-05	4.45E-05	4.01E-06	8.83E-06	3.27E-05	2.88E-06	1.00E-06	5.73E-06	6.84E-07	9.10E-07	3.00E-06	2.07E-07
4630	469992.73	3818029.34	1.07E-05	4.48E-05	4.04E-06	8.89E-06	3.29E-05	2.90E-06	1.01E-06	5.77E-06	6.89E-07	9.16E-07	3.02E-06	2.08E-07
4631	470001.66	3818025.8	1.07E-05	4.51E-05	4.06E-06	8.94E-06	3.31E-05	2.91E-06	1.01E-06	5.80E-06	6.93E-07	9.22E-07	3.04E-06	2.10E-07
4632	470010.59	3818022.27	1.08E-05	4.54E-05	4.08E-06	9.00E-06	3.33E-05	2.93E-06	1.02E-06	5.84E-06	6.97E-07	9.27E-07	3.06E-06	2.11E-07
4633	470019.53	3818018.73	1.09E-05	4.56E-05	4.11E-06	9.05E-06	3.35E-05	2.95E-06	1.03E-06	5.87E-06	7.01E-07	9.32E-07	3.07E-06	2.12E-07
4634	470046.33	3818008.11	1.10E-05	4.62E-05	4.16E-06	9.17E-06	3.40E-05	2.99E-06	1.04E-06	5.95E-06	7.10E-07	9.45E-07	3.12E-06	2.15E-07
4635	470055.26	3818004.57	1.10E-05	4.64E-05	4.18E-06	9.20E-06	3.41E-05	3.00E-06	1.04E-06	5.97E-06	7.12E-07	9.48E-07	3.13E-06	2.15E-07
4636	470064.2	3818001.03	1.11E-05	4.65E-05	4.19E-06	9.22E-06	3.42E-05	3.00E-06	1.05E-06	5.98E-06	7.14E-07	9.50E-07	3.13E-06	2.16E-07
4637	470073.13	3817997.5	1.11E-05	4.65E-05	4.19E-06	9.23E-06	3.42E-05	3.01E-06	1.05E-06	5.99E-06	7.15E-07	9.52E-07	3.14E-06	2.16E-07
4638	470082.07	3817993.96	1.11E-05	4.66E-05	4.20E-06	9.24E-06	3.42E-05	3.01E-06	1.05E-06	6.00E-06	7.16E-07	9.52E-07	3.14E-06	2.16E-07
4639	470091	3817990.42	1.11E-05	4.66E-05	4.20E-06	9.24E-06	3.42E-05	3.01E-06	1.05E-06	6.00E-06	7.16E-07	9.52E-07	3.14E-06	2.16E-07
4640	470099.93	3817986.88	1.11E-05	4.65E-05	4.19E-06	9.22E-06	3.42E-05	3.01E-06	1.05E-06	5.99E-06	7.14E-07	9.51E-07	3.13E-06	2.16E-07

4641	470108.87	3817983.34	1.10E-05	4.64E-05	4.18E-06	9.20E-06	3.41E-05	3.00E-06	1.04E-06	5.97E-06	7.12E-07	9.48E-07	3.13E-06	2.16E-07
4642	470117.8	3817979.8	1.10E-05	4.62E-05	4.16E-06	9.16E-06	3.39E-05	2.99E-06	1.04E-06	5.95E-06	7.10E-07	9.44E-07	3.11E-06	2.15E-07
4643	468848.82	3819230.21	3.08E-06	1.29E-05	1.16E-06	2.56E-06	9.50E-06	8.36E-07	2.91E-07	1.66E-06	1.99E-07	2.64E-07	8.71E-07	6.01E-08
4644	468848.62	3819239.86	3.13E-06	1.32E-05	1.18E-06	2.61E-06	9.66E-06	8.50E-07	2.96E-07	1.69E-06	2.02E-07	2.69E-07	8.86E-07	6.11E-08
4645	468848.43	3819249.51	3.19E-06	1.34E-05	1.21E-06	2.66E-06	9.84E-06	8.66E-07	3.01E-07	1.72E-06	2.06E-07	2.74E-07	9.03E-07	6.22E-08
4646	468848.24	3819259.16	3.24E-06	1.36E-05	1.23E-06	2.70E-06	1.00E-05	8.80E-07	3.06E-07	1.75E-06	2.09E-07	2.78E-07	9.18E-07	6.33E-08
4647	468848.04	3819268.81	3.29E-06	1.38E-05	1.24E-06	2.74E-06	1.02E-05	8.93E-07	3.11E-07	1.78E-06	2.12E-07	2.82E-07	9.31E-07	6.42E-08
4648	468847.85	3819278.45	3.34E-06	1.40E-05	1.26E-06	2.78E-06	1.03E-05	9.08E-07	3.16E-07	1.81E-06	2.16E-07	2.87E-07	9.46E-07	6.52E-08
4649	468847.66	3819288.1	3.39E-06	1.42E-05	1.28E-06	2.82E-06	1.05E-05	9.21E-07	3.20E-07	1.83E-06	2.19E-07	2.91E-07	9.60E-07	6.62E-08
4650	468847.46	3819297.75	3.44E-06	1.45E-05	1.30E-06	2.87E-06	1.06E-05	9.35E-07	3.25E-07	1.86E-06	2.22E-07	2.96E-07	9.75E-07	6.72E-08
4651	468847.27	3819307.4	3.49E-06	1.46E-05	1.32E-06	2.91E-06	1.08E-05	9.47E-07	3.29E-07	1.89E-06	2.25E-07	2.99E-07	9.87E-07	6.81E-08
4652	468847.08	3819317.05	3.54E-06	1.48E-05	1.34E-06	2.95E-06	1.09E-05	9.60E-07	3.34E-07	1.91E-06	2.28E-07	3.04E-07	1.00E-06	6.90E-08
4653	468846.88	3819326.69	3.57E-06	1.50E-05	1.35E-06	2.98E-06	1.10E-05	9.70E-07	3.38E-07	1.93E-06	2.31E-07	3.07E-07	1.01E-06	6.97E-08
4654	468846.69	3819336.34	3.61E-06	1.52E-05	1.37E-06	3.01E-06	1.11E-05	9.81E-07	3.41E-07	1.95E-06	2.33E-07	3.10E-07	1.02E-06	7.05E-08
4655	468846.5	3819345.99	3.65E-06	1.53E-05	1.38E-06	3.04E-06	1.13E-05	9.90E-07	3.44E-07	1.97E-06	2.35E-07	3.13E-07	1.03E-06	7.11E-08
4656	468846.3	3819355.64	3.68E-06	1.55E-05	1.39E-06	3.07E-06	1.14E-05	9.99E-07	3.48E-07	1.99E-06	2.37E-07	3.16E-07	1.04E-06	7.18E-08
4657	468846.11	3819365.29	3.71E-06	1.56E-05	1.40E-06	3.09E-06	1.14E-05	1.01E-06	3.50E-07	2.01E-06	2.39E-07	3.18E-07	1.05E-06	7.24E-08
4658	468845.92	3819374.94	3.74E-06	1.57E-05	1.41E-06	3.11E-06	1.15E-05	1.01E-06	3.53E-07	2.02E-06	2.41E-07	3.21E-07	1.06E-06	7.29E-08
4659	468845.73	3819384.58	3.77E-06	1.58E-05	1.42E-06	3.14E-06	1.16E-05	1.02E-06	3.56E-07	2.04E-06	2.43E-07	3.23E-07	1.07E-06	7.35E-08
4660	468845.53	3819394.23	3.79E-06	1.59E-05	1.43E-06	3.16E-06	1.17E-05	1.03E-06	3.58E-07	2.05E-06	2.45E-07	3.25E-07	1.07E-06	7.40E-08
4661	468845.34	3819403.88	3.81E-06	1.60E-05	1.44E-06	3.18E-06	1.18E-05	1.04E-06	3.60E-07	2.06E-06	2.46E-07	3.27E-07	1.08E-06	7.44E-08
4662	468845.15	3819413.53	3.84E-06	1.61E-05	1.45E-06	3.20E-06	1.18E-05	1.04E-06	3.63E-07	2.08E-06	2.48E-07	3.30E-07	1.09E-06	7.49E-08
4663	468844.95	3819423.18	3.86E-06	1.62E-05	1.46E-06	3.21E-06	1.19E-05	1.05E-06	3.64E-07	2.09E-06	2.49E-07	3.31E-07	1.09E-06	7.53E-08
4664	469127.64	3818387.47	4.87E-06	2.05E-05	1.84E-06	4.06E-06	1.50E-05	1.32E-06	4.60E-07	2.63E-06	3.14E-07	4.18E-07	1.38E-06	9.51E-08
4665	469131.49	3818378.63	4.88E-06	2.05E-05	1.84E-06	4.06E-06	1.51E-05	1.32E-06	4.61E-07	2.64E-06	3.15E-07	4.19E-07	1.38E-06	9.52E-08
4666	469135.34	3818369.79	4.88E-06	2.05E-05	1.84E-06	4.06E-06	1.51E-05	1.32E-06	4.61E-07	2.64E-06	3.15E-07	4.19E-07	1.38E-06	9.52E-08
4667	469139.2	3818360.95	4.88E-06	2.05E-05	1.85E-06	4.07E-06	1.51E-05	1.33E-06	4.61E-07	2.64E-06	3.15E-07	4.19E-07	1.38E-06	9.53E-08
4668	469143.05	3818352.12	4.90E-06	2.06E-05	1.85E-06	4.08E-06	1.51E-05	1.33E-06	4.62E-07	2.65E-06	3.16E-07	4.20E-07	1.39E-06	9.56E-08
4669	469146.91	3818343.28	4.91E-06	2.06E-05	1.86E-06	4.09E-06	1.52E-05	1.33E-06	4.64E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.58E-08
4670	469150.76	3818334.44	4.93E-06	2.07E-05	1.86E-06	4.11E-06	1.52E-05	1.34E-06	4.66E-07	2.67E-06	3.18E-07	4.23E-07	1.40E-06	9.62E-08
4671	469154.61	3818325.61	4.95E-06	2.08E-05	1.87E-06	4.12E-06	1.53E-05	1.34E-06	4.67E-07	2.68E-06	3.19E-07	4.25E-07	1.40E-06	9.66E-08
4672	469158.47	3818316.77	4.97E-06	2.09E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.70E-07	2.69E-06	3.21E-07	4.27E-07	1.41E-06	9.71E-08
4673	469162.32	3818307.93	5.00E-06	2.10E-05	1.89E-06	4.16E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.22E-07	4.29E-07	1.41E-06	9.75E-08
4674	469166.18	3818299.09	5.03E-06	2.11E-05	1.90E-06	4.19E-06	1.55E-05	1.36E-06	4.75E-07	2.72E-06	3.24E-07	4.32E-07	1.42E-06	9.81E-08
4675	469170.03	3818290.26	5.05E-06	2.12E-05	1.91E-06	4.21E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.26E-07	4.34E-07	1.43E-06	9.86E-08
4676	469173.88	3818281.42	5.07E-06	2.13E-05	1.92E-06	4.22E-06	1.56E-05	1.38E-06	4.79E-07	2.74E-06	3.27E-07	4.35E-07	1.44E-06	9.89E-08
4677	469186.7	3818269.03	5.17E-06	2.17E-05	1.96E-06	4.31E-06	1.60E-05	1.40E-06	4.88E-07	2.80E-06	3.34E-07	4.44E-07	1.46E-06	1.01E-07
4678	469195.66	3818265.48	5.26E-06	2.21E-05	1.99E-06	4.38E-06	1.62E-05	1.43E-06	4.97E-07	2.84E-06	3.39E-07	4.51E-07	1.49E-06	1.03E-07
4679	469204.63	3818261.93	5.34E-06	2.24E-05	2.02E-06	4.45E-06	1.65E-05	1.45E-06	5.05E-07	2.89E-06	3.45E-07	4.59E-07	1.51E-06	1.04E-07
4680	469213.59	3818258.38	5.44E-06	2.28E-05	2.06E-06	4.53E-06	1.68E-05	1.48E-06	5.13E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
4681	469222.55	3818254.83	5.53E-06	2.32E-05	2.09E-06	4.60E-06	1.71E-05	1.50E-06	5.22E-07	2.99E-06	3.57E-07	4.75E-07	1.56E-06	1.08E-07
4682	469231.52	3818251.28	5.62E-06	2.36E-05	2.13E-06	4.68E-06	1.73E-05	1.53E-06	5.31E-07	3.04E-06	3.62E-07	4.82E-07	1.59E-06	1.10E-07
4683	469240.48	3818247.73	5.71E-06	2.40E-05	2.16E-06	4.75E-06	1.76E-05	1.55E-06	5.39E-07	3.08E-06	3.68E-07	4.90E-07	1.61E-06	1.11E-07

4684	469249.44	3818244.18	5.79E-06	2.43E-05	2.19E-06	4.82E-06	1.79E-05	1.57E-06	5.46E-07	3.13E-06	3.73E-07	4.97E-07	1.64E-06	1.13E-07
4685	469258.41	3818240.63	5.86E-06	2.46E-05	2.22E-06	4.88E-06	1.81E-05	1.59E-06	5.54E-07	3.17E-06	3.78E-07	5.03E-07	1.66E-06	1.14E-07
4686	469267.37	3818237.08	5.94E-06	2.50E-05	2.25E-06	4.95E-06	1.83E-05	1.61E-06	5.61E-07	3.21E-06	3.83E-07	5.10E-07	1.68E-06	1.16E-07
4687	469276.34	3818233.53	6.02E-06	2.53E-05	2.28E-06	5.02E-06	1.86E-05	1.63E-06	5.69E-07	3.26E-06	3.88E-07	5.17E-07	1.70E-06	1.18E-07
4688	469285.3	3818229.98	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.66E-06	5.76E-07	3.30E-06	3.93E-07	5.24E-07	1.73E-06	1.19E-07
4689	469294.26	3818226.43	6.17E-06	2.59E-05	2.33E-06	5.14E-06	1.90E-05	1.68E-06	5.83E-07	3.34E-06	3.98E-07	5.30E-07	1.75E-06	1.20E-07
4690	469303.23	3818222.88	6.24E-06	2.62E-05	2.36E-06	5.20E-06	1.93E-05	1.69E-06	5.89E-07	3.37E-06	4.02E-07	5.36E-07	1.77E-06	1.22E-07
4691	469312.19	3818219.33	6.30E-06	2.65E-05	2.38E-06	5.25E-06	1.94E-05	1.71E-06	5.95E-07	3.41E-06	4.06E-07	5.41E-07	1.78E-06	1.23E-07
4692	469321.15	3818215.78	6.36E-06	2.67E-05	2.41E-06	5.30E-06	1.96E-05	1.73E-06	6.01E-07	3.44E-06	4.10E-07	5.46E-07	1.80E-06	1.24E-07
4693	469330.12	3818212.23	6.42E-06	2.70E-05	2.43E-06	5.35E-06	1.98E-05	1.74E-06	6.06E-07	3.47E-06	4.14E-07	5.51E-07	1.82E-06	1.25E-07
4694	469339.08	3818208.68	6.47E-06	2.72E-05	2.45E-06	5.39E-06	2.00E-05	1.76E-06	6.11E-07	3.50E-06	4.17E-07	5.55E-07	1.83E-06	1.26E-07
4695	469348.04	3818205.13	6.51E-06	2.73E-05	2.46E-06	5.42E-06	2.01E-05	1.77E-06	6.15E-07	3.52E-06	4.20E-07	5.59E-07	1.84E-06	1.27E-07
4696	469357.01	3818201.58	6.55E-06	2.75E-05	2.48E-06	5.46E-06	2.02E-05	1.78E-06	6.19E-07	3.54E-06	4.23E-07	5.62E-07	1.85E-06	1.28E-07
4697	469365.97	3818198.03	6.59E-06	2.77E-05	2.49E-06	5.49E-06	2.03E-05	1.79E-06	6.22E-07	3.56E-06	4.25E-07	5.66E-07	1.87E-06	1.29E-07
4698	469374.93	3818194.48	6.63E-06	2.78E-05	2.51E-06	5.52E-06	2.05E-05	1.80E-06	6.26E-07	3.58E-06	4.28E-07	5.69E-07	1.88E-06	1.29E-07
4699	469383.9	3818190.93	6.66E-06	2.80E-05	2.52E-06	5.55E-06	2.06E-05	1.81E-06	6.29E-07	3.60E-06	4.30E-07	5.72E-07	1.89E-06	1.30E-07
4700	469392.86	3818187.38	6.70E-06	2.81E-05	2.53E-06	5.58E-06	2.07E-05	1.82E-06	6.32E-07	3.62E-06	4.32E-07	5.75E-07	1.90E-06	1.31E-07
4701	469401.82	3818183.83	6.73E-06	2.83E-05	2.55E-06	5.61E-06	2.08E-05	1.83E-06	6.36E-07	3.64E-06	4.34E-07	5.78E-07	1.91E-06	1.31E-07
4702	469410.79	3818180.28	6.76E-06	2.84E-05	2.56E-06	5.63E-06	2.09E-05	1.84E-06	6.39E-07	3.66E-06	4.36E-07	5.81E-07	1.91E-06	1.32E-07
4703	469419.75	3818176.73	6.79E-06	2.85E-05	2.57E-06	5.66E-06	2.10E-05	1.84E-06	6.41E-07	3.67E-06	4.38E-07	5.83E-07	1.92E-06	1.33E-07
4704	469428.71	3818173.18	6.84E-06	2.87E-05	2.59E-06	5.69E-06	2.11E-05	1.86E-06	6.46E-07	3.70E-06	4.41E-07	5.87E-07	1.93E-06	1.33E-07
4705	469437.68	3818169.63	6.88E-06	2.89E-05	2.60E-06	5.73E-06	2.12E-05	1.87E-06	6.50E-07	3.72E-06	4.44E-07	5.91E-07	1.95E-06	1.34E-07
4706	469446.64	3818166.08	6.92E-06	2.91E-05	2.62E-06	5.77E-06	2.14E-05	1.88E-06	6.54E-07	3.74E-06	4.47E-07	5.94E-07	1.96E-06	1.35E-07
4707	469455.6	3818162.53	6.97E-06	2.93E-05	2.63E-06	5.80E-06	2.15E-05	1.89E-06	6.58E-07	3.77E-06	4.49E-07	5.98E-07	1.97E-06	1.36E-07
4708	469464.57	3818158.98	7.00E-06	2.94E-05	2.65E-06	5.83E-06	2.16E-05	1.90E-06	6.61E-07	3.79E-06	4.52E-07	6.01E-07	1.98E-06	1.37E-07
4709	469473.53	3818155.43	7.04E-06	2.96E-05	2.66E-06	5.87E-06	2.17E-05	1.91E-06	6.65E-07	3.81E-06	4.54E-07	6.05E-07	1.99E-06	1.37E-07
4710	469482.5	3818151.88	7.09E-06	2.98E-05	2.68E-06	5.90E-06	2.19E-05	1.92E-06	6.69E-07	3.83E-06	4.57E-07	6.08E-07	2.01E-06	1.38E-07
4711	469491.46	3818148.33	7.13E-06	3.00E-05	2.70E-06	5.94E-06	2.20E-05	1.94E-06	6.74E-07	3.86E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
4712	469500.42	3818144.78	7.18E-06	3.01E-05	2.71E-06	5.98E-06	2.21E-05	1.95E-06	6.78E-07	3.88E-06	4.63E-07	6.16E-07	2.03E-06	1.40E-07
4713	469509.39	3818141.23	7.23E-06	3.04E-05	2.73E-06	6.02E-06	2.23E-05	1.96E-06	6.83E-07	3.91E-06	4.66E-07	6.21E-07	2.05E-06	1.41E-07
4714	469518.35	3818137.68	7.29E-06	3.06E-05	2.76E-06	6.07E-06	2.25E-05	1.98E-06	6.88E-07	3.94E-06	4.70E-07	6.26E-07	2.06E-06	1.42E-07
4715	469527.31	3818134.13	7.35E-06	3.09E-05	2.78E-06	6.12E-06	2.27E-05	2.00E-06	6.94E-07	3.97E-06	4.74E-07	6.31E-07	2.08E-06	1.43E-07
4716	469536.28	3818130.58	7.41E-06	3.11E-05	2.80E-06	6.17E-06	2.29E-05	2.01E-06	7.00E-07	4.01E-06	4.78E-07	6.36E-07	2.10E-06	1.45E-07
4717	469545.24	3818127.03	7.48E-06	3.14E-05	2.83E-06	6.23E-06	2.31E-05	2.03E-06	7.06E-07	4.04E-06	4.82E-07	6.42E-07	2.12E-06	1.46E-07
4718	469554.2	3818123.48	7.53E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.11E-07	4.07E-06	4.86E-07	6.46E-07	2.13E-06	1.47E-07
4719	469563.17	3818119.93	7.59E-06	3.19E-05	2.87E-06	6.32E-06	2.34E-05	2.06E-06	7.16E-07	4.10E-06	4.89E-07	6.51E-07	2.15E-06	1.48E-07
4720	469572.13	3818116.38	7.64E-06	3.21E-05	2.89E-06	6.37E-06	2.36E-05	2.08E-06	7.22E-07	4.13E-06	4.93E-07	6.56E-07	2.16E-06	1.49E-07
4721	469581.09	3818112.83	7.70E-06	3.23E-05	2.91E-06	6.42E-06	2.38E-05	2.09E-06	7.27E-07	4.16E-06	4.97E-07	6.61E-07	2.18E-06	1.50E-07
4722	469590.06	3818109.28	7.76E-06	3.26E-05	2.93E-06	6.46E-06	2.39E-05	2.11E-06	7.33E-07	4.19E-06	5.00E-07	6.66E-07	2.20E-06	1.51E-07
4723	469599.02	3818105.73	7.82E-06	3.28E-05	2.96E-06	6.51E-06	2.41E-05	2.12E-06	7.38E-07	4.23E-06	5.04E-07	6.71E-07	2.21E-06	1.53E-07
4724	469607.98	3818102.18	7.88E-06	3.31E-05	2.98E-06	6.56E-06	2.43E-05	2.14E-06	7.44E-07	4.26E-06	5.08E-07	6.76E-07	2.23E-06	1.54E-07
4725	469616.95	3818098.63	7.94E-06	3.34E-05	3.00E-06	6.62E-06	2.45E-05	2.16E-06	7.50E-07	4.29E-06	5.12E-07	6.82E-07	2.25E-06	1.55E-07
4726	469625.91	3818095.08	8.00E-06	3.36E-05	3.03E-06	6.66E-06	2.47E-05	2.17E-06	7.55E-07	4.32E-06	5.16E-07	6.87E-07	2.26E-06	1.56E-07

4727	469634.87	3818091.53	8.05E-06	3.38E-05	3.05E-06	6.71E-06	2.48E-05	2.19E-06	7.60E-07	4.35E-06	5.19E-07	6.91E-07	2.28E-06	1.57E-07
4728	469643.84	3818087.98	8.11E-06	3.40E-05	3.07E-06	6.75E-06	2.50E-05	2.20E-06	7.65E-07	4.38E-06	5.23E-07	6.96E-07	2.29E-06	1.58E-07
4729	469652.8	3818084.43	8.15E-06	3.42E-05	3.08E-06	6.79E-06	2.52E-05	2.21E-06	7.70E-07	4.41E-06	5.26E-07	7.00E-07	2.31E-06	1.59E-07
4730	469661.77	3818080.88	8.20E-06	3.44E-05	3.10E-06	6.83E-06	2.53E-05	2.23E-06	7.74E-07	4.43E-06	5.29E-07	7.04E-07	2.32E-06	1.60E-07
4731	469670.73	3818077.33	8.25E-06	3.46E-05	3.12E-06	6.87E-06	2.54E-05	2.24E-06	7.79E-07	4.46E-06	5.32E-07	7.08E-07	2.33E-06	1.61E-07
4732	469679.69	3818073.78	8.28E-06	3.48E-05	3.13E-06	6.90E-06	2.56E-05	2.25E-06	7.82E-07	4.48E-06	5.34E-07	7.11E-07	2.34E-06	1.62E-07
4733	469715.55	3818059.58	8.42E-06	3.54E-05	3.19E-06	7.02E-06	2.60E-05	2.29E-06	7.95E-07	4.55E-06	5.43E-07	7.23E-07	2.38E-06	1.64E-07
4734	469724.51	3818056.03	8.45E-06	3.55E-05	3.20E-06	7.04E-06	2.61E-05	2.29E-06	7.98E-07	4.57E-06	5.45E-07	7.26E-07	2.39E-06	1.65E-07
4735	469733.47	3818052.48	8.48E-06	3.56E-05	3.21E-06	7.06E-06	2.62E-05	2.30E-06	8.00E-07	4.58E-06	5.47E-07	7.28E-07	2.40E-06	1.65E-07
4736	469742.44	3818048.93	8.50E-06	3.57E-05	3.21E-06	7.08E-06	2.62E-05	2.31E-06	8.03E-07	4.60E-06	5.48E-07	7.30E-07	2.41E-06	1.66E-07
4737	469751.4	3818045.38	8.52E-06	3.58E-05	3.22E-06	7.10E-06	2.63E-05	2.31E-06	8.05E-07	4.61E-06	5.50E-07	7.32E-07	2.41E-06	1.66E-07
4738	469760.36	3818041.83	8.54E-06	3.59E-05	3.23E-06	7.12E-06	2.64E-05	2.32E-06	8.07E-07	4.62E-06	5.51E-07	7.33E-07	2.42E-06	1.67E-07
4739	469769.33	3818038.28	8.56E-06	3.60E-05	3.24E-06	7.13E-06	2.64E-05	2.32E-06	8.09E-07	4.63E-06	5.52E-07	7.35E-07	2.42E-06	1.67E-07
4740	469778.29	3818034.73	8.58E-06	3.60E-05	3.25E-06	7.15E-06	2.65E-05	2.33E-06	8.10E-07	4.64E-06	5.54E-07	7.37E-07	2.43E-06	1.67E-07
4741	469787.25	3818031.18	8.60E-06	3.61E-05	3.25E-06	7.16E-06	2.65E-05	2.33E-06	8.12E-07	4.65E-06	5.54E-07	7.38E-07	2.43E-06	1.68E-07
4742	469796.22	3818027.63	8.61E-06	3.62E-05	3.26E-06	7.17E-06	2.66E-05	2.34E-06	8.13E-07	4.66E-06	5.55E-07	7.39E-07	2.44E-06	1.68E-07
4743	469805.18	3818024.08	8.63E-06	3.62E-05	3.26E-06	7.18E-06	2.66E-05	2.34E-06	8.15E-07	4.66E-06	5.56E-07	7.40E-07	2.44E-06	1.68E-07
4744	469814.14	3818020.53	8.64E-06	3.63E-05	3.27E-06	7.19E-06	2.66E-05	2.34E-06	8.15E-07	4.67E-06	5.57E-07	7.41E-07	2.44E-06	1.68E-07
4745	469823.11	3818016.98	8.65E-06	3.63E-05	3.27E-06	7.20E-06	2.67E-05	2.35E-06	8.17E-07	4.68E-06	5.58E-07	7.43E-07	2.45E-06	1.69E-07
4746	469832.07	3818013.43	8.67E-06	3.64E-05	3.28E-06	7.22E-06	2.67E-05	2.35E-06	8.19E-07	4.69E-06	5.59E-07	7.44E-07	2.45E-06	1.69E-07
4747	469841.03	3818009.88	8.68E-06	3.65E-05	3.28E-06	7.23E-06	2.68E-05	2.36E-06	8.20E-07	4.69E-06	5.60E-07	7.45E-07	2.46E-06	1.69E-07
4748	469850	3818006.33	8.71E-06	3.66E-05	3.29E-06	7.25E-06	2.69E-05	2.36E-06	8.22E-07	4.71E-06	5.62E-07	7.47E-07	2.46E-06	1.70E-07
4749	469858.96	3818002.78	8.74E-06	3.67E-05	3.30E-06	7.28E-06	2.70E-05	2.37E-06	8.25E-07	4.72E-06	5.63E-07	7.50E-07	2.47E-06	1.70E-07
4750	469867.93	3817999.23	8.76E-06	3.68E-05	3.31E-06	7.30E-06	2.70E-05	2.38E-06	8.27E-07	4.74E-06	5.65E-07	7.52E-07	2.48E-06	1.71E-07
4751	469876.89	3817995.68	8.78E-06	3.69E-05	3.32E-06	7.32E-06	2.71E-05	2.38E-06	8.29E-07	4.75E-06	5.67E-07	7.54E-07	2.49E-06	1.71E-07
4752	469885.85	3817992.13	8.82E-06	3.70E-05	3.33E-06	7.34E-06	2.72E-05	2.39E-06	8.33E-07	4.77E-06	5.69E-07	7.57E-07	2.50E-06	1.72E-07
4753	469894.82	3817988.58	8.86E-06	3.72E-05	3.35E-06	7.38E-06	2.73E-05	2.40E-06	8.36E-07	4.79E-06	5.71E-07	7.60E-07	2.51E-06	1.73E-07
4754	469903.78	3817985.03	8.90E-06	3.74E-05	3.37E-06	7.42E-06	2.75E-05	2.42E-06	8.41E-07	4.81E-06	5.74E-07	7.64E-07	2.52E-06	1.74E-07
4755	469912.74	3817981.48	8.96E-06	3.76E-05	3.39E-06	7.46E-06	2.76E-05	2.43E-06	8.46E-07	4.84E-06	5.78E-07	7.69E-07	2.54E-06	1.75E-07
4756	469921.71	3817977.93	9.02E-06	3.79E-05	3.41E-06	7.51E-06	2.78E-05	2.45E-06	8.51E-07	4.87E-06	5.81E-07	7.74E-07	2.55E-06	1.76E-07
4757	469930.67	3817974.38	9.07E-06	3.81E-05	3.43E-06	7.56E-06	2.80E-05	2.46E-06	8.57E-07	4.90E-06	5.85E-07	7.79E-07	2.57E-06	1.77E-07
4758	469939.63	3817970.83	9.14E-06	3.84E-05	3.46E-06	7.61E-06	2.82E-05	2.48E-06	8.63E-07	4.94E-06	5.90E-07	7.85E-07	2.59E-06	1.78E-07
4759	469948.6	3817967.28	9.21E-06	3.87E-05	3.48E-06	7.67E-06	2.84E-05	2.50E-06	8.70E-07	4.98E-06	5.94E-07	7.91E-07	2.61E-06	1.80E-07
4760	469957.56	3817963.73	9.29E-06	3.90E-05	3.51E-06	7.74E-06	2.87E-05	2.52E-06	8.78E-07	5.02E-06	5.99E-07	7.98E-07	2.63E-06	1.81E-07
4761	469966.52	3817960.18	9.36E-06	3.93E-05	3.54E-06	7.80E-06	2.89E-05	2.54E-06	8.84E-07	5.06E-06	6.04E-07	8.04E-07	2.65E-06	1.83E-07
4762	469975.49	3817956.63	9.43E-06	3.96E-05	3.57E-06	7.85E-06	2.91E-05	2.56E-06	8.90E-07	5.10E-06	6.08E-07	8.09E-07	2.67E-06	1.84E-07
4763	469984.45	3817953.07	9.50E-06	3.99E-05	3.59E-06	7.91E-06	2.93E-05	2.58E-06	8.97E-07	5.13E-06	6.13E-07	8.15E-07	2.69E-06	1.85E-07
4764	469993.41	3817949.52	9.56E-06	4.02E-05	3.62E-06	7.97E-06	2.95E-05	2.60E-06	9.03E-07	5.17E-06	6.17E-07	8.21E-07	2.71E-06	1.87E-07
4765	470002.38	3817945.97	9.62E-06	4.04E-05	3.64E-06	8.01E-06	2.97E-05	2.61E-06	9.08E-07	5.20E-06	6.20E-07	8.26E-07	2.72E-06	1.88E-07
4766	470011.34	3817942.42	9.67E-06	4.06E-05	3.66E-06	8.06E-06	2.99E-05	2.63E-06	9.14E-07	5.23E-06	6.24E-07	8.30E-07	2.74E-06	1.89E-07
4767	470020.3	3817938.87	9.73E-06	4.08E-05	3.68E-06	8.10E-06	3.00E-05	2.64E-06	9.19E-07	5.26E-06	6.27E-07	8.35E-07	2.75E-06	1.90E-07
4768	470047.19	3817928.22	9.89E-06	4.15E-05	3.74E-06	8.23E-06	3.05E-05	2.68E-06	9.34E-07	5.34E-06	6.38E-07	8.49E-07	2.80E-06	1.93E-07
4769	470056.16	3817924.67	9.92E-06	4.17E-05	3.75E-06	8.27E-06	3.06E-05	2.69E-06	9.37E-07	5.37E-06	6.40E-07	8.52E-07	2.81E-06	1.94E-07

4770	470065.12	3817921.12	9.95E-06	4.18E-05	3.76E-06	8.29E-06	3.07E-05	2.70E-06	9.39E-07	5.38E-06	6.42E-07	8.54E-07	2.82E-06	1.94E-07
4771	470074.09	3817917.57	9.97E-06	4.19E-05	3.77E-06	8.30E-06	3.08E-05	2.71E-06	9.41E-07	5.39E-06	6.43E-07	8.56E-07	2.82E-06	1.94E-07
4772	470083.05	3817914.02	9.97E-06	4.19E-05	3.77E-06	8.31E-06	3.08E-05	2.71E-06	9.42E-07	5.39E-06	6.43E-07	8.56E-07	2.82E-06	1.95E-07
4773	470092.01	3817910.47	9.97E-06	4.19E-05	3.77E-06	8.30E-06	3.08E-05	2.71E-06	9.41E-07	5.39E-06	6.43E-07	8.56E-07	2.82E-06	1.94E-07
4774	470100.98	3817906.92	9.95E-06	4.18E-05	3.76E-06	8.29E-06	3.07E-05	2.70E-06	9.40E-07	5.38E-06	6.42E-07	8.54E-07	2.82E-06	1.94E-07
4775	470109.94	3817903.37	9.93E-06	4.17E-05	3.76E-06	8.27E-06	3.06E-05	2.70E-06	9.38E-07	5.37E-06	6.40E-07	8.52E-07	2.81E-06	1.94E-07
4776	470118.9	3817899.82	9.89E-06	4.15E-05	3.74E-06	8.24E-06	3.05E-05	2.68E-06	9.34E-07	5.35E-06	6.38E-07	8.49E-07	2.80E-06	1.93E-07
4777	468768.83	3819228.61	2.75E-06	1.16E-05	1.04E-06	2.29E-06	8.49E-06	7.47E-07	2.60E-07	1.49E-06	1.77E-07	2.36E-07	7.79E-07	5.37E-08
4778	468768.64	3819238.26	2.80E-06	1.18E-05	1.06E-06	2.33E-06	8.64E-06	7.60E-07	2.64E-07	1.51E-06	1.81E-07	2.40E-07	7.93E-07	5.46E-08
4779	468768.45	3819247.91	2.85E-06	1.20E-05	1.08E-06	2.38E-06	8.80E-06	7.74E-07	2.69E-07	1.54E-06	1.84E-07	2.45E-07	8.07E-07	5.57E-08
4780	468768.25	3819257.56	2.90E-06	1.22E-05	1.10E-06	2.42E-06	8.95E-06	7.87E-07	2.74E-07	1.57E-06	1.87E-07	2.49E-07	8.21E-07	5.66E-08
4781	468768.06	3819267.2	2.95E-06	1.24E-05	1.12E-06	2.46E-06	9.10E-06	8.00E-07	2.78E-07	1.59E-06	1.90E-07	2.53E-07	8.35E-07	5.75E-08
4782	468767.87	3819276.85	3.00E-06	1.26E-05	1.13E-06	2.50E-06	9.25E-06	8.14E-07	2.83E-07	1.62E-06	1.93E-07	2.57E-07	8.48E-07	5.85E-08
4783	468767.67	3819286.5	3.04E-06	1.28E-05	1.15E-06	2.53E-06	9.38E-06	8.25E-07	2.87E-07	1.64E-06	1.96E-07	2.61E-07	8.61E-07	5.93E-08
4784	468767.48	3819296.15	3.08E-06	1.30E-05	1.17E-06	2.57E-06	9.52E-06	8.37E-07	2.91E-07	1.67E-06	1.99E-07	2.65E-07	8.73E-07	6.02E-08
4785	468767.29	3819305.8	3.13E-06	1.31E-05	1.18E-06	2.60E-06	9.65E-06	8.49E-07	2.95E-07	1.69E-06	2.02E-07	2.68E-07	8.85E-07	6.10E-08
4786	468767.09	3819315.45	3.17E-06	1.33E-05	1.20E-06	2.64E-06	9.77E-06	8.59E-07	2.99E-07	1.71E-06	2.04E-07	2.72E-07	8.96E-07	6.18E-08
4787	468766.9	3819325.09	3.20E-06	1.35E-05	1.21E-06	2.67E-06	9.89E-06	8.70E-07	3.03E-07	1.73E-06	2.07E-07	2.75E-07	9.07E-07	6.25E-08
4788	468766.71	3819334.74	3.24E-06	1.36E-05	1.22E-06	2.70E-06	9.99E-06	8.79E-07	3.06E-07	1.75E-06	2.09E-07	2.78E-07	9.16E-07	6.32E-08
4789	468766.51	3819344.39	3.27E-06	1.37E-05	1.24E-06	2.72E-06	1.01E-05	8.87E-07	3.08E-07	1.77E-06	2.11E-07	2.80E-07	9.25E-07	6.37E-08
4790	468766.32	3819354.04	3.30E-06	1.38E-05	1.25E-06	2.74E-06	1.02E-05	8.95E-07	3.11E-07	1.78E-06	2.13E-07	2.83E-07	9.33E-07	6.43E-08
4791	468766.13	3819363.69	3.32E-06	1.40E-05	1.26E-06	2.77E-06	1.03E-05	9.02E-07	3.14E-07	1.80E-06	2.14E-07	2.85E-07	9.41E-07	6.49E-08
4792	468765.93	3819373.33	3.35E-06	1.41E-05	1.27E-06	2.79E-06	1.03E-05	9.09E-07	3.16E-07	1.81E-06	2.16E-07	2.87E-07	9.48E-07	6.53E-08
4793	468765.74	3819382.98	3.37E-06	1.42E-05	1.28E-06	2.81E-06	1.04E-05	9.15E-07	3.18E-07	1.82E-06	2.18E-07	2.89E-07	9.55E-07	6.58E-08
4794	468765.55	3819392.63	3.39E-06	1.42E-05	1.28E-06	2.82E-06	1.05E-05	9.21E-07	3.20E-07	1.83E-06	2.19E-07	2.91E-07	9.60E-07	6.62E-08
4795	468765.35	3819402.28	3.41E-06	1.43E-05	1.29E-06	2.84E-06	1.05E-05	9.26E-07	3.22E-07	1.84E-06	2.20E-07	2.93E-07	9.65E-07	6.66E-08
4796	468765.16	3819411.93	3.43E-06	1.44E-05	1.30E-06	2.85E-06	1.06E-05	9.30E-07	3.23E-07	1.85E-06	2.21E-07	2.94E-07	9.70E-07	6.68E-08
4797	468764.97	3819421.58	3.43E-06	1.44E-05	1.30E-06	2.86E-06	1.06E-05	9.32E-07	3.24E-07	1.86E-06	2.22E-07	2.95E-07	9.72E-07	6.70E-08
4798	468696.9	3819190.14	2.34E-06	9.84E-06	8.86E-07	1.95E-06	7.23E-06	6.36E-07	2.21E-07	1.27E-06	1.51E-07	2.01E-07	6.63E-07	4.57E-08
4799	468700.73	3819181.36	2.31E-06	9.72E-06	8.75E-07	1.93E-06	7.14E-06	6.28E-07	2.19E-07	1.25E-06	1.49E-07	1.99E-07	6.55E-07	4.52E-08
4800	468704.56	3819172.58	2.29E-06	9.62E-06	8.66E-07	1.91E-06	7.07E-06	6.22E-07	2.16E-07	1.24E-06	1.48E-07	1.97E-07	6.48E-07	4.47E-08
4801	468708.39	3819163.79	2.27E-06	9.52E-06	8.57E-07	1.89E-06	6.99E-06	6.15E-07	2.14E-07	1.22E-06	1.46E-07	1.95E-07	6.41E-07	4.42E-08
4802	468712.22	3819155.01	2.25E-06	9.43E-06	8.50E-07	1.87E-06	6.93E-06	6.10E-07	2.12E-07	1.21E-06	1.45E-07	1.93E-07	6.36E-07	4.38E-08
4803	468716.05	3819146.22	2.22E-06	9.33E-06	8.41E-07	1.85E-06	6.86E-06	6.03E-07	2.10E-07	1.20E-06	1.43E-07	1.91E-07	6.29E-07	4.34E-08
4804	468719.88	3819137.44	2.20E-06	9.25E-06	8.33E-07	1.84E-06	6.80E-06	5.98E-07	2.08E-07	1.19E-06	1.42E-07	1.89E-07	6.24E-07	4.30E-08
4805	468723.71	3819128.65	2.19E-06	9.19E-06	8.28E-07	1.82E-06	6.75E-06	5.94E-07	2.07E-07	1.18E-06	1.41E-07	1.88E-07	6.20E-07	4.27E-08
4806	468727.54	3819119.87	2.17E-06	9.13E-06	8.22E-07	1.81E-06	6.71E-06	5.90E-07	2.05E-07	1.18E-06	1.40E-07	1.87E-07	6.15E-07	4.24E-08
4807	468731.38	3819111.08	2.16E-06	9.09E-06	8.19E-07	1.80E-06	6.68E-06	5.88E-07	2.04E-07	1.17E-06	1.40E-07	1.86E-07	6.13E-07	4.22E-08
4808	469045.52	3818390.75	4.32E-06	1.82E-05	1.64E-06	3.60E-06	1.33E-05	1.17E-06	4.08E-07	2.34E-06	2.79E-07	3.71E-07	1.22E-06	8.44E-08
4809	469049.35	3818381.96	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.79E-07	3.72E-07	1.23E-06	8.45E-08
4810	469053.18	3818373.18	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.79E-07	3.72E-07	1.23E-06	8.45E-08
4811	469057.01	3818364.39	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.79E-07	3.72E-07	1.23E-06	8.45E-08
4812	469060.85	3818355.61	4.32E-06	1.82E-05	1.64E-06	3.60E-06	1.33E-05	1.17E-06	4.08E-07	2.34E-06	2.79E-07	3.71E-07	1.22E-06	8.44E-08

4813	469064.68	3818346.83	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.79E-07	3.72E-07	1.23E-06	8.45E-08
4814	469068.51	3818338.04	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.80E-07	3.72E-07	1.23E-06	8.46E-08
4815	469072.34	3818329.26	4.34E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.10E-07	2.35E-06	2.80E-07	3.72E-07	1.23E-06	8.47E-08
4816	469076.17	3818320.47	4.34E-06	1.82E-05	1.64E-06	3.62E-06	1.34E-05	1.18E-06	4.10E-07	2.35E-06	2.80E-07	3.73E-07	1.23E-06	8.48E-08
4817	469080	3818311.69	4.35E-06	1.83E-05	1.65E-06	3.63E-06	1.34E-05	1.18E-06	4.11E-07	2.35E-06	2.81E-07	3.74E-07	1.23E-06	8.50E-08
4818	469083.83	3818302.9	4.36E-06	1.83E-05	1.65E-06	3.63E-06	1.35E-05	1.18E-06	4.12E-07	2.36E-06	2.81E-07	3.75E-07	1.24E-06	8.51E-08
4819	469087.66	3818294.12	4.38E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.13E-07	2.37E-06	2.82E-07	3.76E-07	1.24E-06	8.54E-08
4820	469091.49	3818285.33	4.38E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.14E-07	2.37E-06	2.83E-07	3.76E-07	1.24E-06	8.55E-08
4821	469095.32	3818276.55	4.39E-06	1.84E-05	1.66E-06	3.66E-06	1.36E-05	1.19E-06	4.15E-07	2.37E-06	2.83E-07	3.77E-07	1.24E-06	8.57E-08
4822	469099.16	3818267.76	4.41E-06	1.85E-05	1.67E-06	3.67E-06	1.36E-05	1.20E-06	4.16E-07	2.38E-06	2.84E-07	3.78E-07	1.25E-06	8.60E-08
4823	469102.99	3818258.98	4.42E-06	1.86E-05	1.67E-06	3.68E-06	1.36E-05	1.20E-06	4.17E-07	2.39E-06	2.85E-07	3.80E-07	1.25E-06	8.63E-08
4824	469106.82	3818250.2	4.45E-06	1.87E-05	1.68E-06	3.70E-06	1.37E-05	1.21E-06	4.20E-07	2.40E-06	2.87E-07	3.82E-07	1.26E-06	8.67E-08
4825	469110.65	3818241.41	4.47E-06	1.88E-05	1.69E-06	3.72E-06	1.38E-05	1.21E-06	4.22E-07	2.42E-06	2.88E-07	3.84E-07	1.27E-06	8.72E-08
4826	469114.48	3818232.63	4.49E-06	1.89E-05	1.70E-06	3.74E-06	1.39E-05	1.22E-06	4.24E-07	2.43E-06	2.90E-07	3.86E-07	1.27E-06	8.77E-08
4827	469118.31	3818223.84	4.52E-06	1.90E-05	1.71E-06	3.77E-06	1.40E-05	1.23E-06	4.27E-07	2.44E-06	2.92E-07	3.88E-07	1.28E-06	8.82E-08
4828	469131.05	3818211.53	4.62E-06	1.94E-05	1.75E-06	3.85E-06	1.43E-05	1.25E-06	4.37E-07	2.50E-06	2.98E-07	3.97E-07	1.31E-06	9.02E-08
4829	469139.96	3818208	4.70E-06	1.97E-05	1.78E-06	3.91E-06	1.45E-05	1.27E-06	4.43E-07	2.54E-06	3.03E-07	4.03E-07	1.33E-06	9.16E-08
4830	469148.87	3818204.47	4.77E-06	2.00E-05	1.80E-06	3.97E-06	1.47E-05	1.30E-06	4.51E-07	2.58E-06	3.08E-07	4.10E-07	1.35E-06	9.31E-08
4831	469157.78	3818200.94	4.84E-06	2.03E-05	1.83E-06	4.03E-06	1.49E-05	1.31E-06	4.57E-07	2.62E-06	3.12E-07	4.16E-07	1.37E-06	9.45E-08
4832	469166.69	3818197.41	4.92E-06	2.07E-05	1.86E-06	4.10E-06	1.52E-05	1.34E-06	4.65E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.60E-08
4833	469175.6	3818193.88	5.00E-06	2.10E-05	1.89E-06	4.16E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.22E-07	4.29E-07	1.41E-06	9.75E-08
4834	469184.51	3818190.35	5.08E-06	2.13E-05	1.92E-06	4.23E-06	1.57E-05	1.38E-06	4.79E-07	2.74E-06	3.27E-07	4.36E-07	1.44E-06	9.90E-08
4835	469193.42	3818186.83	5.15E-06	2.16E-05	1.95E-06	4.29E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.32E-07	4.42E-07	1.46E-06	1.01E-07
4836	469202.33	3818183.3	5.22E-06	2.19E-05	1.98E-06	4.35E-06	1.61E-05	1.42E-06	4.93E-07	2.82E-06	3.37E-07	4.48E-07	1.48E-06	1.02E-07
4837	469211.24	3818179.77	5.29E-06	2.22E-05	2.00E-06	4.41E-06	1.63E-05	1.44E-06	5.00E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
4838	469220.15	3818176.24	5.36E-06	2.25E-05	2.03E-06	4.46E-06	1.65E-05	1.45E-06	5.06E-07	2.90E-06	3.46E-07	4.60E-07	1.52E-06	1.05E-07
4839	469229.06	3818172.71	5.43E-06	2.28E-05	2.05E-06	4.52E-06	1.67E-05	1.47E-06	5.12E-07	2.93E-06	3.50E-07	4.66E-07	1.54E-06	1.06E-07
4840	469237.97	3818169.18	5.48E-06	2.30E-05	2.07E-06	4.57E-06	1.69E-05	1.49E-06	5.18E-07	2.96E-06	3.54E-07	4.71E-07	1.55E-06	1.07E-07
4841	469246.89	3818165.65	5.54E-06	2.33E-05	2.10E-06	4.62E-06	1.71E-05	1.50E-06	5.23E-07	3.00E-06	3.57E-07	4.76E-07	1.57E-06	1.08E-07
4842	469255.8	3818162.12	5.60E-06	2.35E-05	2.12E-06	4.66E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.58E-06	1.09E-07
4843	469264.71	3818158.59	5.65E-06	2.37E-05	2.14E-06	4.70E-06	1.74E-05	1.53E-06	5.33E-07	3.05E-06	3.64E-07	4.85E-07	1.60E-06	1.10E-07
4844	469273.62	3818155.06	5.70E-06	2.39E-05	2.15E-06	4.74E-06	1.76E-05	1.55E-06	5.38E-07	3.08E-06	3.67E-07	4.89E-07	1.61E-06	1.11E-07
4845	469282.53	3818151.54	5.74E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.42E-07	3.10E-06	3.70E-07	4.93E-07	1.62E-06	1.12E-07
4846	469291.44	3818148.01	5.78E-06	2.43E-05	2.19E-06	4.81E-06	1.78E-05	1.57E-06	5.46E-07	3.12E-06	3.73E-07	4.96E-07	1.64E-06	1.13E-07
4847	469300.35	3818144.48	5.81E-06	2.44E-05	2.20E-06	4.84E-06	1.79E-05	1.58E-06	5.49E-07	3.14E-06	3.75E-07	4.99E-07	1.64E-06	1.13E-07
4848	469309.26	3818140.95	5.84E-06	2.45E-05	2.21E-06	4.87E-06	1.80E-05	1.59E-06	5.52E-07	3.16E-06	3.77E-07	5.02E-07	1.65E-06	1.14E-07
4849	469318.17	3818137.42	5.87E-06	2.47E-05	2.22E-06	4.89E-06	1.81E-05	1.59E-06	5.55E-07	3.18E-06	3.79E-07	5.04E-07	1.66E-06	1.15E-07
4850	469327.08	3818133.89	5.90E-06	2.48E-05	2.23E-06	4.92E-06	1.82E-05	1.60E-06	5.57E-07	3.19E-06	3.81E-07	5.07E-07	1.67E-06	1.15E-07
4851	469335.99	3818130.36	5.94E-06	2.49E-05	2.25E-06	4.94E-06	1.83E-05	1.61E-06	5.61E-07	3.21E-06	3.83E-07	5.10E-07	1.68E-06	1.16E-07
4852	469344.9	3818126.83	5.97E-06	2.51E-05	2.26E-06	4.97E-06	1.84E-05	1.62E-06	5.64E-07	3.23E-06	3.85E-07	5.12E-07	1.69E-06	1.16E-07
4853	469353.81	3818123.3	6.00E-06	2.52E-05	2.27E-06	5.00E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
4854	469362.72	3818119.77	6.03E-06	2.53E-05	2.28E-06	5.02E-06	1.86E-05	1.64E-06	5.70E-07	3.26E-06	3.89E-07	5.18E-07	1.71E-06	1.18E-07
4855	469371.63	3818116.25	6.06E-06	2.54E-05	2.29E-06	5.04E-06	1.87E-05	1.64E-06	5.72E-07	3.27E-06	3.91E-07	5.20E-07	1.71E-06	1.18E-07

4856	469380.54	3818112.72	6.08E-06	2.55E-05	2.30E-06	5.06E-06	1.88E-05	1.65E-06	5.74E-07	3.29E-06	3.92E-07	5.22E-07	1.72E-06	1.19E-07
4857	469389.45	3818109.19	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.66E-06	5.76E-07	3.30E-06	3.94E-07	5.24E-07	1.73E-06	1.19E-07
4858	469398.36	3818105.66	6.13E-06	2.58E-05	2.32E-06	5.11E-06	1.89E-05	1.66E-06	5.79E-07	3.32E-06	3.96E-07	5.27E-07	1.74E-06	1.20E-07
4859	469407.27	3818102.13	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.82E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
4860	469416.18	3818098.6	6.19E-06	2.60E-05	2.34E-06	5.16E-06	1.91E-05	1.68E-06	5.85E-07	3.35E-06	3.99E-07	5.31E-07	1.75E-06	1.21E-07
4861	469425.09	3818095.07	6.22E-06	2.61E-05	2.35E-06	5.19E-06	1.92E-05	1.69E-06	5.88E-07	3.37E-06	4.02E-07	5.34E-07	1.76E-06	1.21E-07
4862	469434	3818091.54	6.26E-06	2.63E-05	2.37E-06	5.21E-06	1.93E-05	1.70E-06	5.91E-07	3.38E-06	4.04E-07	5.37E-07	1.77E-06	1.22E-07
4863	469442.91	3818088.01	6.29E-06	2.64E-05	2.38E-06	5.24E-06	1.94E-05	1.71E-06	5.94E-07	3.40E-06	4.06E-07	5.40E-07	1.78E-06	1.23E-07
4864	469451.82	3818084.48	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.98E-07	3.42E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
4865	469460.73	3818080.96	6.38E-06	2.68E-05	2.41E-06	5.32E-06	1.97E-05	1.73E-06	6.03E-07	3.45E-06	4.12E-07	5.48E-07	1.81E-06	1.25E-07
4866	469469.64	3818077.43	6.43E-06	2.70E-05	2.43E-06	5.36E-06	1.98E-05	1.75E-06	6.07E-07	3.48E-06	4.15E-07	5.52E-07	1.82E-06	1.25E-07
4867	469478.55	3818073.9	6.48E-06	2.72E-05	2.45E-06	5.40E-06	2.00E-05	1.76E-06	6.12E-07	3.51E-06	4.18E-07	5.57E-07	1.84E-06	1.27E-07
4868	469487.46	3818070.37	6.53E-06	2.74E-05	2.47E-06	5.44E-06	2.02E-05	1.77E-06	6.17E-07	3.53E-06	4.21E-07	5.61E-07	1.85E-06	1.27E-07
4869	469496.37	3818066.84	6.58E-06	2.76E-05	2.49E-06	5.48E-06	2.03E-05	1.79E-06	6.21E-07	3.56E-06	4.24E-07	5.65E-07	1.86E-06	1.28E-07
4870	469505.28	3818063.31	6.63E-06	2.78E-05	2.51E-06	5.52E-06	2.05E-05	1.80E-06	6.26E-07	3.58E-06	4.28E-07	5.69E-07	1.88E-06	1.29E-07
4871	469514.19	3818059.78	6.68E-06	2.80E-05	2.53E-06	5.56E-06	2.06E-05	1.81E-06	6.31E-07	3.61E-06	4.31E-07	5.73E-07	1.89E-06	1.30E-07
4872	469523.1	3818056.25	6.73E-06	2.82E-05	2.54E-06	5.60E-06	2.08E-05	1.83E-06	6.35E-07	3.64E-06	4.34E-07	5.77E-07	1.90E-06	1.31E-07
4873	469532.01	3818052.72	6.78E-06	2.85E-05	2.56E-06	5.65E-06	2.09E-05	1.84E-06	6.40E-07	3.66E-06	4.37E-07	5.82E-07	1.92E-06	1.32E-07
4874	469540.92	3818049.19	6.83E-06	2.87E-05	2.58E-06	5.69E-06	2.11E-05	1.85E-06	6.45E-07	3.69E-06	4.41E-07	5.86E-07	1.93E-06	1.33E-07
4875	469549.83	3818045.67	6.89E-06	2.89E-05	2.61E-06	5.74E-06	2.13E-05	1.87E-06	6.51E-07	3.72E-06	4.44E-07	5.91E-07	1.95E-06	1.34E-07
4876	469558.74	3818042.14	6.95E-06	2.92E-05	2.63E-06	5.79E-06	2.14E-05	1.89E-06	6.56E-07	3.76E-06	4.48E-07	5.96E-07	1.97E-06	1.36E-07
4877	469567.65	3818038.61	7.00E-06	2.94E-05	2.65E-06	5.83E-06	2.16E-05	1.90E-06	6.61E-07	3.78E-06	4.51E-07	6.01E-07	1.98E-06	1.37E-07
4878	469576.56	3818035.08	7.05E-06	2.96E-05	2.67E-06	5.87E-06	2.18E-05	1.91E-06	6.66E-07	3.81E-06	4.55E-07	6.05E-07	2.00E-06	1.38E-07
4879	469585.47	3818031.55	7.10E-06	2.98E-05	2.69E-06	5.91E-06	2.19E-05	1.93E-06	6.71E-07	3.84E-06	4.58E-07	6.10E-07	2.01E-06	1.39E-07
4880	469594.38	3818028.02	7.14E-06	3.00E-05	2.70E-06	5.95E-06	2.20E-05	1.94E-06	6.75E-07	3.86E-06	4.61E-07	6.13E-07	2.02E-06	1.39E-07
4881	469603.29	3818024.49	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.04E-06	1.40E-07
4882	469612.2	3818020.96	7.24E-06	3.04E-05	2.74E-06	6.03E-06	2.23E-05	1.96E-06	6.83E-07	3.91E-06	4.67E-07	6.21E-07	2.05E-06	1.41E-07
4883	469621.11	3818017.43	7.28E-06	3.06E-05	2.75E-06	6.06E-06	2.25E-05	1.98E-06	6.87E-07	3.93E-06	4.69E-07	6.25E-07	2.06E-06	1.42E-07
4884	469630.02	3818013.9	7.32E-06	3.07E-05	2.77E-06	6.09E-06	2.26E-05	1.99E-06	6.91E-07	3.96E-06	4.72E-07	6.28E-07	2.07E-06	1.43E-07
4885	469638.93	3818010.38	7.36E-06	3.09E-05	2.78E-06	6.13E-06	2.27E-05	2.00E-06	6.95E-07	3.98E-06	4.74E-07	6.31E-07	2.08E-06	1.44E-07
4886	469647.84	3818006.85	7.39E-06	3.11E-05	2.80E-06	6.16E-06	2.28E-05	2.01E-06	6.98E-07	4.00E-06	4.77E-07	6.35E-07	2.09E-06	1.44E-07
4887	469656.75	3818003.32	7.43E-06	3.12E-05	2.81E-06	6.19E-06	2.29E-05	2.02E-06	7.01E-07	4.02E-06	4.79E-07	6.38E-07	2.10E-06	1.45E-07
4888	469665.66	3817999.79	7.46E-06	3.13E-05	2.82E-06	6.21E-06	2.30E-05	2.03E-06	7.05E-07	4.03E-06	4.81E-07	6.41E-07	2.11E-06	1.46E-07
4889	469674.58	3817996.26	7.49E-06	3.15E-05	2.83E-06	6.24E-06	2.31E-05	2.03E-06	7.07E-07	4.05E-06	4.83E-07	6.43E-07	2.12E-06	1.46E-07
4890	469710.22	3817982.14	7.58E-06	3.18E-05	2.87E-06	6.31E-06	2.34E-05	2.06E-06	7.15E-07	4.10E-06	4.89E-07	6.50E-07	2.14E-06	1.48E-07
4891	469719.13	3817978.61	7.59E-06	3.19E-05	2.87E-06	6.32E-06	2.34E-05	2.06E-06	7.17E-07	4.10E-06	4.90E-07	6.52E-07	2.15E-06	1.48E-07
4892	469728.04	3817975.09	7.61E-06	3.19E-05	2.88E-06	6.33E-06	2.35E-05	2.06E-06	7.18E-07	4.11E-06	4.91E-07	6.53E-07	2.15E-06	1.48E-07
4893	469736.95	3817971.56	7.62E-06	3.20E-05	2.88E-06	6.35E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.91E-07	6.54E-07	2.16E-06	1.49E-07
4894	469745.86	3817968.03	7.63E-06	3.20E-05	2.89E-06	6.36E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.92E-07	6.55E-07	2.16E-06	1.49E-07
4895	469754.77	3817964.5	7.64E-06	3.21E-05	2.89E-06	6.36E-06	2.36E-05	2.07E-06	7.21E-07	4.13E-06	4.93E-07	6.56E-07	2.16E-06	1.49E-07
4896	469763.68	3817960.97	7.65E-06	3.21E-05	2.89E-06	6.37E-06	2.36E-05	2.08E-06	7.22E-07	4.13E-06	4.93E-07	6.57E-07	2.17E-06	1.49E-07
4897	469772.59	3817957.44	7.65E-06	3.21E-05	2.89E-06	6.38E-06	2.36E-05	2.08E-06	7.23E-07	4.14E-06	4.94E-07	6.57E-07	2.17E-06	1.49E-07
4898	469781.5	3817953.91	7.66E-06	3.22E-05	2.90E-06	6.38E-06	2.36E-05	2.08E-06	7.24E-07	4.14E-06	4.94E-07	6.58E-07	2.17E-06	1.50E-07

4899	469790.41	3817950.38	7.67E-06	3.22E-05	2.90E-06	6.39E-06	2.37E-05	2.08E-06	7.25E-07	4.15E-06	4.95E-07	6.59E-07	2.17E-06	1.50E-07
4900	469799.32	3817946.85	7.68E-06	3.22E-05	2.90E-06	6.40E-06	2.37E-05	2.08E-06	7.25E-07	4.15E-06	4.95E-07	6.59E-07	2.17E-06	1.50E-07
4901	469808.23	3817943.33	7.69E-06	3.23E-05	2.91E-06	6.41E-06	2.37E-05	2.09E-06	7.26E-07	4.16E-06	4.96E-07	6.60E-07	2.18E-06	1.50E-07
4902	469817.14	3817939.8	7.70E-06	3.23E-05	2.91E-06	6.42E-06	2.38E-05	2.09E-06	7.27E-07	4.16E-06	4.97E-07	6.61E-07	2.18E-06	1.50E-07
4903	469826.05	3817936.27	7.72E-06	3.24E-05	2.92E-06	6.43E-06	2.38E-05	2.10E-06	7.29E-07	4.17E-06	4.98E-07	6.63E-07	2.19E-06	1.51E-07
4904	469834.96	3817932.74	7.74E-06	3.25E-05	2.93E-06	6.45E-06	2.39E-05	2.10E-06	7.31E-07	4.18E-06	4.99E-07	6.64E-07	2.19E-06	1.51E-07
4905	469843.87	3817929.21	7.76E-06	3.26E-05	2.93E-06	6.46E-06	2.39E-05	2.11E-06	7.33E-07	4.19E-06	5.00E-07	6.66E-07	2.20E-06	1.51E-07
4906	469852.78	3817925.68	7.78E-06	3.27E-05	2.94E-06	6.48E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.68E-07	2.20E-06	1.52E-07
4907	469861.69	3817922.15	7.80E-06	3.28E-05	2.95E-06	6.50E-06	2.41E-05	2.12E-06	7.37E-07	4.22E-06	5.03E-07	6.70E-07	2.21E-06	1.52E-07
4908	469870.6	3817918.62	7.84E-06	3.29E-05	2.96E-06	6.53E-06	2.42E-05	2.13E-06	7.40E-07	4.24E-06	5.05E-07	6.73E-07	2.22E-06	1.53E-07
4909	469879.51	3817915.09	7.87E-06	3.31E-05	2.98E-06	6.56E-06	2.43E-05	2.14E-06	7.44E-07	4.26E-06	5.08E-07	6.76E-07	2.23E-06	1.54E-07
4910	469888.42	3817911.56	7.91E-06	3.32E-05	2.99E-06	6.59E-06	2.44E-05	2.15E-06	7.47E-07	4.28E-06	5.10E-07	6.79E-07	2.24E-06	1.54E-07
4911	469897.33	3817908.04	7.95E-06	3.34E-05	3.01E-06	6.62E-06	2.45E-05	2.16E-06	7.50E-07	4.30E-06	5.13E-07	6.82E-07	2.25E-06	1.55E-07
4912	469906.24	3817904.51	8.00E-06	3.36E-05	3.03E-06	6.66E-06	2.47E-05	2.17E-06	7.55E-07	4.32E-06	5.16E-07	6.87E-07	2.26E-06	1.56E-07
4913	469915.15	3817900.98	8.06E-06	3.38E-05	3.05E-06	6.71E-06	2.49E-05	2.19E-06	7.61E-07	4.36E-06	5.20E-07	6.92E-07	2.28E-06	1.57E-07
4914	469924.06	3817897.45	8.12E-06	3.41E-05	3.07E-06	6.76E-06	2.51E-05	2.20E-06	7.67E-07	4.39E-06	5.24E-07	6.97E-07	2.30E-06	1.58E-07
4915	469977.52	3817876.27	8.48E-06	3.56E-05	3.21E-06	7.06E-06	2.62E-05	2.30E-06	8.00E-07	4.58E-06	5.47E-07	7.28E-07	2.40E-06	1.65E-07
4916	469986.43	3817872.75	8.55E-06	3.59E-05	3.23E-06	7.12E-06	2.64E-05	2.32E-06	8.07E-07	4.62E-06	5.51E-07	7.34E-07	2.42E-06	1.67E-07
4917	469995.34	3817869.22	8.62E-06	3.62E-05	3.26E-06	7.18E-06	2.66E-05	2.34E-06	8.14E-07	4.66E-06	5.56E-07	7.40E-07	2.44E-06	1.68E-07
4918	470004.25	3817865.69	8.69E-06	3.65E-05	3.29E-06	7.24E-06	2.68E-05	2.36E-06	8.20E-07	4.70E-06	5.60E-07	7.46E-07	2.46E-06	1.70E-07
4919	470013.16	3817862.16	8.76E-06	3.68E-05	3.31E-06	7.29E-06	2.70E-05	2.38E-06	8.27E-07	4.73E-06	5.65E-07	7.52E-07	2.48E-06	1.71E-07
4920	470022.07	3817858.63	8.81E-06	3.70E-05	3.33E-06	7.34E-06	2.72E-05	2.39E-06	8.32E-07	4.76E-06	5.68E-07	7.57E-07	2.49E-06	1.72E-07
4921	470048.8	3817848.04	8.95E-06	3.76E-05	3.39E-06	7.46E-06	2.76E-05	2.43E-06	8.45E-07	4.84E-06	5.77E-07	7.69E-07	2.53E-06	1.75E-07
4922	470057.71	3817844.51	8.98E-06	3.77E-05	3.40E-06	7.48E-06	2.77E-05	2.44E-06	8.48E-07	4.86E-06	5.79E-07	7.71E-07	2.54E-06	1.75E-07
4923	470066.62	3817840.98	9.01E-06	3.78E-05	3.41E-06	7.50E-06	2.78E-05	2.44E-06	8.50E-07	4.87E-06	5.81E-07	7.73E-07	2.55E-06	1.76E-07
4924	470075.53	3817837.46	9.02E-06	3.79E-05	3.41E-06	7.51E-06	2.78E-05	2.45E-06	8.51E-07	4.87E-06	5.81E-07	7.74E-07	2.55E-06	1.76E-07
4925	470084.44	3817833.93	9.02E-06	3.79E-05	3.41E-06	7.51E-06	2.78E-05	2.45E-06	8.51E-07	4.87E-06	5.81E-07	7.74E-07	2.55E-06	1.76E-07
4926	470093.35	3817830.4	9.02E-06	3.79E-05	3.41E-06	7.51E-06	2.78E-05	2.45E-06	8.51E-07	4.87E-06	5.81E-07	7.74E-07	2.55E-06	1.76E-07
4927	470102.27	3817826.87	9.00E-06	3.78E-05	3.40E-06	7.50E-06	2.78E-05	2.44E-06	8.50E-07	4.87E-06	5.81E-07	7.73E-07	2.55E-06	1.76E-07
4928	468688.85	3819227.01	2.48E-06	1.04E-05	9.39E-07	2.07E-06	7.66E-06	6.74E-07	2.34E-07	1.34E-06	1.60E-07	2.13E-07	7.03E-07	4.84E-08
4929	468688.66	3819236.66	2.53E-06	1.06E-05	9.55E-07	2.10E-06	7.79E-06	6.86E-07	2.38E-07	1.37E-06	1.63E-07	2.17E-07	7.15E-07	4.93E-08
4930	468688.46	3819246.31	2.57E-06	1.08E-05	9.72E-07	2.14E-06	7.93E-06	6.97E-07	2.43E-07	1.39E-06	1.66E-07	2.21E-07	7.27E-07	5.01E-08
4931	468688.27	3819255.95	2.61E-06	1.10E-05	9.88E-07	2.18E-06	8.06E-06	7.09E-07	2.47E-07	1.41E-06	1.68E-07	2.24E-07	7.39E-07	5.10E-08
4932	468688.08	3819265.6	2.66E-06	1.12E-05	1.01E-06	2.22E-06	8.21E-06	7.22E-07	2.51E-07	1.44E-06	1.72E-07	2.28E-07	7.53E-07	5.19E-08
4933	468687.88	3819275.25	2.70E-06	1.14E-05	1.02E-06	2.25E-06	8.34E-06	7.34E-07	2.55E-07	1.46E-06	1.74E-07	2.32E-07	7.65E-07	5.28E-08
4934	468687.69	3819284.9	2.75E-06	1.15E-05	1.04E-06	2.29E-06	8.48E-06	7.46E-07	2.59E-07	1.48E-06	1.77E-07	2.36E-07	7.77E-07	5.36E-08
4935	468687.5	3819294.55	2.79E-06	1.17E-05	1.05E-06	2.32E-06	8.60E-06	7.56E-07	2.63E-07	1.51E-06	1.80E-07	2.39E-07	7.88E-07	5.44E-08
4936	468687.3	3819304.2	2.82E-06	1.19E-05	1.07E-06	2.35E-06	8.71E-06	7.67E-07	2.67E-07	1.53E-06	1.82E-07	2.42E-07	7.99E-07	5.51E-08
4937	468687.11	3819313.84	2.86E-06	1.20E-05	1.08E-06	2.38E-06	8.82E-06	7.76E-07	2.70E-07	1.54E-06	1.84E-07	2.45E-07	8.09E-07	5.58E-08
4938	468686.92	3819323.49	2.89E-06	1.21E-05	1.09E-06	2.41E-06	8.92E-06	7.85E-07	2.73E-07	1.56E-06	1.86E-07	2.48E-07	8.18E-07	5.64E-08
4939	468686.72	3819333.14	2.92E-06	1.23E-05	1.11E-06	2.44E-06	9.03E-06	7.94E-07	2.76E-07	1.58E-06	1.89E-07	2.51E-07	8.28E-07	5.71E-08
4940	468686.53	3819342.79	2.95E-06	1.24E-05	1.12E-06	2.46E-06	9.11E-06	8.02E-07	2.79E-07	1.60E-06	1.91E-07	2.54E-07	8.36E-07	5.76E-08
4941	468686.34	3819352.44	2.98E-06	1.25E-05	1.13E-06	2.48E-06	9.19E-06	8.08E-07	2.81E-07	1.61E-06	1.92E-07	2.56E-07	8.43E-07	5.81E-08

4942	468686.14	3819362.08	3.00E-06	1.26E-05	1.14E-06	2.50E-06	9.26E-06	8.15E-07	2.83E-07	1.62E-06	1.94E-07	2.58E-07	8.50E-07	5.86E-08
4943	468685.95	3819371.73	3.02E-06	1.27E-05	1.14E-06	2.52E-06	9.32E-06	8.20E-07	2.85E-07	1.63E-06	1.95E-07	2.59E-07	8.55E-07	5.89E-08
4944	468685.76	3819381.38	3.04E-06	1.28E-05	1.15E-06	2.53E-06	9.38E-06	8.25E-07	2.87E-07	1.64E-06	1.96E-07	2.61E-07	8.61E-07	5.93E-08
4945	468685.56	3819391.03	3.05E-06	1.28E-05	1.16E-06	2.54E-06	9.43E-06	8.29E-07	2.88E-07	1.65E-06	1.97E-07	2.62E-07	8.65E-07	5.96E-08
4946	468685.37	3819400.68	3.07E-06	1.29E-05	1.16E-06	2.56E-06	9.47E-06	8.33E-07	2.90E-07	1.66E-06	1.98E-07	2.63E-07	8.69E-07	5.99E-08
4947	468685.18	3819410.33	3.08E-06	1.30E-05	1.17E-06	2.57E-06	9.52E-06	8.37E-07	2.91E-07	1.67E-06	1.99E-07	2.65E-07	8.73E-07	6.02E-08
4948	468684.98	3819419.97	3.09E-06	1.30E-05	1.17E-06	2.58E-06	9.55E-06	8.40E-07	2.92E-07	1.67E-06	2.00E-07	2.66E-07	8.76E-07	6.04E-08
4949	468616.94	3819188.49	2.12E-06	8.89E-06	8.01E-07	1.76E-06	6.53E-06	5.75E-07	2.00E-07	1.14E-06	1.37E-07	1.82E-07	5.99E-07	4.13E-08
4950	468620.78	3819179.68	2.09E-06	8.79E-06	7.91E-07	1.74E-06	6.46E-06	5.68E-07	1.98E-07	1.13E-06	1.35E-07	1.80E-07	5.92E-07	4.08E-08
4951	468624.62	3819170.87	2.07E-06	8.71E-06	7.84E-07	1.73E-06	6.40E-06	5.63E-07	1.96E-07	1.12E-06	1.34E-07	1.78E-07	5.87E-07	4.05E-08
4952	468628.46	3819162.05	2.05E-06	8.61E-06	7.75E-07	1.71E-06	6.32E-06	5.56E-07	1.94E-07	1.11E-06	1.32E-07	1.76E-07	5.80E-07	4.00E-08
4953	468632.31	3819153.24	2.03E-06	8.51E-06	7.66E-07	1.69E-06	6.25E-06	5.50E-07	1.91E-07	1.09E-06	1.31E-07	1.74E-07	5.73E-07	3.95E-08
4954	468636.15	3819144.43	2.01E-06	8.42E-06	7.59E-07	1.67E-06	6.19E-06	5.45E-07	1.89E-07	1.08E-06	1.29E-07	1.72E-07	5.68E-07	3.91E-08
4955	468639.99	3819135.62	1.99E-06	8.34E-06	7.51E-07	1.65E-06	6.13E-06	5.39E-07	1.88E-07	1.07E-06	1.28E-07	1.71E-07	5.62E-07	3.88E-08
4956	468643.84	3819126.81	1.97E-06	8.28E-06	7.46E-07	1.64E-06	6.09E-06	5.35E-07	1.86E-07	1.07E-06	1.27E-07	1.69E-07	5.58E-07	3.85E-08
4957	468647.68	3819118	1.96E-06	8.22E-06	7.40E-07	1.63E-06	6.04E-06	5.31E-07	1.85E-07	1.06E-06	1.26E-07	1.68E-07	5.54E-07	3.82E-08
4958	468651.52	3819109.18	1.95E-06	8.18E-06	7.37E-07	1.62E-06	6.01E-06	5.29E-07	1.84E-07	1.05E-06	1.26E-07	1.67E-07	5.51E-07	3.80E-08
4959	468655.36	3819100.37	1.93E-06	8.12E-06	7.31E-07	1.61E-06	5.97E-06	5.25E-07	1.83E-07	1.05E-06	1.25E-07	1.66E-07	5.47E-07	3.77E-08
4960	468659.21	3819091.56	1.93E-06	8.10E-06	7.30E-07	1.61E-06	5.95E-06	5.24E-07	1.82E-07	1.04E-06	1.24E-07	1.66E-07	5.46E-07	3.76E-08
4961	468663.05	3819082.75	1.92E-06	8.06E-06	7.26E-07	1.60E-06	5.92E-06	5.21E-07	1.81E-07	1.04E-06	1.24E-07	1.65E-07	5.43E-07	3.75E-08
4962	468666.89	3819073.94	1.91E-06	8.04E-06	7.24E-07	1.59E-06	5.91E-06	5.20E-07	1.81E-07	1.04E-06	1.23E-07	1.64E-07	5.42E-07	3.74E-08
4963	468670.74	3819065.13	1.91E-06	8.02E-06	7.22E-07	1.59E-06	5.89E-06	5.18E-07	1.80E-07	1.03E-06	1.23E-07	1.64E-07	5.41E-07	3.73E-08
4964	468674.58	3819056.31	1.91E-06	8.02E-06	7.22E-07	1.59E-06	5.89E-06	5.18E-07	1.80E-07	1.03E-06	1.23E-07	1.64E-07	5.41E-07	3.73E-08
4965	468678.42	3819047.5	1.91E-06	8.00E-06	7.20E-07	1.59E-06	5.88E-06	5.17E-07	1.80E-07	1.03E-06	1.23E-07	1.64E-07	5.39E-07	3.72E-08
4966	468682.26	3819038.69	1.91E-06	8.00E-06	7.20E-07	1.59E-06	5.88E-06	5.17E-07	1.80E-07	1.03E-06	1.23E-07	1.64E-07	5.39E-07	3.72E-08
4967	468686.11	3819029.88	1.90E-06	7.98E-06	7.19E-07	1.58E-06	5.86E-06	5.16E-07	1.79E-07	1.03E-06	1.23E-07	1.63E-07	5.38E-07	3.71E-08
4968	468689.95	3819021.07	1.90E-06	7.98E-06	7.19E-07	1.58E-06	5.86E-06	5.16E-07	1.79E-07	1.03E-06	1.23E-07	1.63E-07	5.38E-07	3.71E-08
4969	468693.79	3819012.26	1.90E-06	7.98E-06	7.19E-07	1.58E-06	5.86E-06	5.16E-07	1.79E-07	1.03E-06	1.23E-07	1.63E-07	5.38E-07	3.71E-08
4970	468697.64	3819003.45	1.91E-06	8.00E-06	7.20E-07	1.59E-06	5.88E-06	5.17E-07	1.80E-07	1.03E-06	1.23E-07	1.64E-07	5.39E-07	3.72E-08
4971	468701.48	3818994.63	1.91E-06	8.02E-06	7.22E-07	1.59E-06	5.89E-06	5.18E-07	1.80E-07	1.03E-06	1.23E-07	1.64E-07	5.41E-07	3.73E-08
4972	468705.32	3818985.82	1.91E-06	8.04E-06	7.24E-07	1.59E-06	5.91E-06	5.20E-07	1.81E-07	1.04E-06	1.23E-07	1.64E-07	5.42E-07	3.74E-08
4973	468709.16	3818977.01	1.92E-06	8.06E-06	7.26E-07	1.60E-06	5.92E-06	5.21E-07	1.81E-07	1.04E-06	1.24E-07	1.65E-07	5.43E-07	3.75E-08
4974	468713.01	3818968.2	1.92E-06	8.08E-06	7.28E-07	1.60E-06	5.94E-06	5.22E-07	1.82E-07	1.04E-06	1.24E-07	1.65E-07	5.45E-07	3.75E-08
4975	468716.85	3818959.39	1.93E-06	8.12E-06	7.31E-07	1.61E-06	5.97E-06	5.25E-07	1.83E-07	1.05E-06	1.25E-07	1.66E-07	5.47E-07	3.77E-08
4976	468720.69	3818950.58	1.94E-06	8.14E-06	7.33E-07	1.61E-06	5.98E-06	5.26E-07	1.83E-07	1.05E-06	1.25E-07	1.66E-07	5.49E-07	3.78E-08
4977	468724.54	3818941.76	1.94E-06	8.16E-06	7.35E-07	1.62E-06	6.00E-06	5.28E-07	1.84E-07	1.05E-06	1.25E-07	1.67E-07	5.50E-07	3.79E-08
4978	468728.38	3818932.95	1.95E-06	8.20E-06	7.39E-07	1.63E-06	6.03E-06	5.30E-07	1.84E-07	1.06E-06	1.26E-07	1.68E-07	5.53E-07	3.81E-08
4979	468732.22	3818924.14	1.96E-06	8.22E-06	7.40E-07	1.63E-06	6.04E-06	5.31E-07	1.85E-07	1.06E-06	1.26E-07	1.68E-07	5.54E-07	3.82E-08
4980	468736.06	3818915.33	1.97E-06	8.28E-06	7.46E-07	1.64E-06	6.09E-06	5.35E-07	1.86E-07	1.07E-06	1.27E-07	1.69E-07	5.58E-07	3.85E-08
4981	468966.63	3818386.63	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.59E-08
4982	468970.48	3818377.82	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.59E-08
4983	468974.32	3818369.01	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.59E-08
4984	468978.16	3818360.2	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.59E-08

4985	468982.01	3818351.39	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.58E-08
4986	468985.85	3818342.57	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.58E-08
4987	468989.69	3818333.76	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.58E-08
4988	468993.53	3818324.95	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.67E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.58E-08
4989	468997.38	3818316.14	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.57E-08
4990	469001.22	3818307.33	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.57E-08
4991	469005.06	3818298.52	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.57E-08
4992	469008.9	3818289.71	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.57E-08
4993	469012.75	3818280.89	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.67E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.58E-08
4994	469016.59	3818272.08	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.58E-08
4995	469020.43	3818263.27	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.58E-08
4996	469024.28	3818254.46	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.58E-08
4997	469028.12	3818245.65	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.59E-08
4998	469031.96	3818236.84	3.90E-06	1.64E-05	1.47E-06	3.25E-06	1.20E-05	1.06E-06	3.68E-07	2.11E-06	2.51E-07	3.35E-07	1.10E-06	7.60E-08
4999	469035.8	3818228.02	3.91E-06	1.64E-05	1.48E-06	3.26E-06	1.21E-05	1.06E-06	3.69E-07	2.11E-06	2.52E-07	3.36E-07	1.11E-06	7.63E-08
5000	469039.65	3818219.21	3.93E-06	1.65E-05	1.48E-06	3.27E-06	1.21E-05	1.07E-06	3.71E-07	2.12E-06	2.53E-07	3.37E-07	1.11E-06	7.66E-08
5001	469043.49	3818210.4	3.94E-06	1.65E-05	1.49E-06	3.28E-06	1.22E-05	1.07E-06	3.72E-07	2.13E-06	2.54E-07	3.38E-07	1.12E-06	7.69E-08
5002	469047.33	3818201.59	3.95E-06	1.66E-05	1.50E-06	3.29E-06	1.22E-05	1.07E-06	3.73E-07	2.14E-06	2.55E-07	3.39E-07	1.12E-06	7.72E-08
5003	469051.18	3818192.78	3.97E-06	1.67E-05	1.50E-06	3.31E-06	1.23E-05	1.08E-06	3.75E-07	2.15E-06	2.56E-07	3.41E-07	1.12E-06	7.75E-08
5004	469055.02	3818183.97	4.00E-06	1.68E-05	1.51E-06	3.33E-06	1.23E-05	1.09E-06	3.77E-07	2.16E-06	2.58E-07	3.43E-07	1.13E-06	7.80E-08
5005	469058.86	3818175.15	4.02E-06	1.69E-05	1.52E-06	3.35E-06	1.24E-05	1.09E-06	3.79E-07	2.17E-06	2.59E-07	3.45E-07	1.14E-06	7.84E-08
5006	469062.7	3818166.34	4.04E-06	1.70E-05	1.53E-06	3.37E-06	1.25E-05	1.10E-06	3.82E-07	2.18E-06	2.61E-07	3.47E-07	1.14E-06	7.88E-08
5007	469075.48	3818153.99	4.13E-06	1.74E-05	1.56E-06	3.44E-06	1.28E-05	1.12E-06	3.90E-07	2.23E-06	2.67E-07	3.55E-07	1.17E-06	8.06E-08
5008	469084.42	3818150.45	4.20E-06	1.76E-05	1.59E-06	3.50E-06	1.30E-05	1.14E-06	3.97E-07	2.27E-06	2.71E-07	3.61E-07	1.19E-06	8.19E-08
5009	469093.36	3818146.91	4.27E-06	1.79E-05	1.61E-06	3.55E-06	1.32E-05	1.16E-06	4.03E-07	2.31E-06	2.75E-07	3.66E-07	1.21E-06	8.33E-08
5010	469102.3	3818143.37	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.80E-07	3.72E-07	1.23E-06	8.46E-08
5011	469111.24	3818139.83	4.40E-06	1.85E-05	1.66E-06	3.67E-06	1.36E-05	1.19E-06	4.16E-07	2.38E-06	2.84E-07	3.78E-07	1.25E-06	8.59E-08
5012	469120.17	3818136.29	4.47E-06	1.88E-05	1.69E-06	3.73E-06	1.38E-05	1.21E-06	4.22E-07	2.42E-06	2.89E-07	3.84E-07	1.27E-06	8.73E-08
5013	469129.11	3818132.75	4.54E-06	1.91E-05	1.72E-06	3.78E-06	1.40E-05	1.23E-06	4.29E-07	2.45E-06	2.93E-07	3.90E-07	1.29E-06	8.86E-08
5014	469138.05	3818129.21	4.60E-06	1.93E-05	1.74E-06	3.83E-06	1.42E-05	1.25E-06	4.35E-07	2.49E-06	2.97E-07	3.95E-07	1.30E-06	8.98E-08
5015	469146.99	3818125.67	4.67E-06	1.96E-05	1.77E-06	3.89E-06	1.44E-05	1.27E-06	4.41E-07	2.53E-06	3.01E-07	4.01E-07	1.32E-06	9.11E-08
5016	469155.92	3818122.13	4.73E-06	1.99E-05	1.79E-06	3.94E-06	1.46E-05	1.28E-06	4.47E-07	2.56E-06	3.05E-07	4.06E-07	1.34E-06	9.24E-08
5017	469164.86	3818118.59	4.80E-06	2.01E-05	1.81E-06	3.99E-06	1.48E-05	1.30E-06	4.53E-07	2.59E-06	3.09E-07	4.12E-07	1.36E-06	9.36E-08
5018	469173.8	3818115.05	4.85E-06	2.04E-05	1.84E-06	4.04E-06	1.50E-05	1.32E-06	4.58E-07	2.62E-06	3.13E-07	4.17E-07	1.37E-06	9.47E-08
5019	469182.74	3818111.51	4.91E-06	2.06E-05	1.86E-06	4.09E-06	1.51E-05	1.33E-06	4.63E-07	2.65E-06	3.16E-07	4.21E-07	1.39E-06	9.57E-08
5020	469191.67	3818107.97	4.96E-06	2.08E-05	1.88E-06	4.13E-06	1.53E-05	1.35E-06	4.68E-07	2.68E-06	3.20E-07	4.26E-07	1.40E-06	9.68E-08
5021	469200.61	3818104.43	5.01E-06	2.10E-05	1.89E-06	4.17E-06	1.55E-05	1.36E-06	4.73E-07	2.71E-06	3.23E-07	4.30E-07	1.42E-06	9.77E-08
5022	469209.55	3818100.89	5.05E-06	2.12E-05	1.91E-06	4.21E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.26E-07	4.34E-07	1.43E-06	9.86E-08
5023	469218.49	3818097.35	5.09E-06	2.14E-05	1.93E-06	4.24E-06	1.57E-05	1.38E-06	4.81E-07	2.75E-06	3.29E-07	4.37E-07	1.44E-06	9.94E-08
5024	469227.42	3818093.81	5.13E-06	2.16E-05	1.94E-06	4.28E-06	1.58E-05	1.39E-06	4.85E-07	2.77E-06	3.31E-07	4.41E-07	1.45E-06	1.00E-07
5025	469236.36	3818090.27	5.17E-06	2.17E-05	1.95E-06	4.30E-06	1.59E-05	1.40E-06	4.88E-07	2.79E-06	3.33E-07	4.44E-07	1.46E-06	1.01E-07
5026	469245.3	3818086.73	5.20E-06	2.18E-05	1.97E-06	4.33E-06	1.60E-05	1.41E-06	4.91E-07	2.81E-06	3.35E-07	4.46E-07	1.47E-06	1.01E-07
5027	469254.24	3818083.19	5.23E-06	2.20E-05	1.98E-06	4.36E-06	1.62E-05	1.42E-06	4.94E-07	2.83E-06	3.38E-07	4.49E-07	1.48E-06	1.02E-07

5028	469263.18	3818079.65	5.26E-06	2.21E-05	1.99E-06	4.38E-06	1.62E-05	1.43E-06	4.97E-07	2.85E-06	3.39E-07	4.52E-07	1.49E-06	1.03E-07
5029	469272.11	3818076.11	5.29E-06	2.22E-05	2.00E-06	4.41E-06	1.63E-05	1.44E-06	5.00E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
5030	469281.05	3818072.57	5.31E-06	2.23E-05	2.01E-06	4.42E-06	1.64E-05	1.44E-06	5.02E-07	2.87E-06	3.43E-07	4.56E-07	1.50E-06	1.04E-07
5031	469289.99	3818069.04	5.33E-06	2.24E-05	2.02E-06	4.44E-06	1.65E-05	1.45E-06	5.04E-07	2.88E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
5032	469298.93	3818065.5	5.36E-06	2.25E-05	2.03E-06	4.46E-06	1.65E-05	1.45E-06	5.06E-07	2.90E-06	3.46E-07	4.60E-07	1.52E-06	1.05E-07
5033	469307.86	3818061.96	5.38E-06	2.26E-05	2.03E-06	4.48E-06	1.66E-05	1.46E-06	5.08E-07	2.91E-06	3.47E-07	4.62E-07	1.52E-06	1.05E-07
5034	469316.8	3818058.42	5.40E-06	2.27E-05	2.04E-06	4.50E-06	1.67E-05	1.47E-06	5.10E-07	2.92E-06	3.48E-07	4.63E-07	1.53E-06	1.05E-07
5035	469325.74	3818054.88	5.41E-06	2.27E-05	2.05E-06	4.51E-06	1.67E-05	1.47E-06	5.11E-07	2.93E-06	3.49E-07	4.65E-07	1.53E-06	1.06E-07
5036	469334.68	3818051.34	5.43E-06	2.28E-05	2.05E-06	4.52E-06	1.68E-05	1.47E-06	5.13E-07	2.94E-06	3.50E-07	4.66E-07	1.54E-06	1.06E-07
5037	469343.61	3818047.8	5.45E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.15E-07	2.95E-06	3.52E-07	4.68E-07	1.54E-06	1.06E-07
5038	469352.55	3818044.26	5.47E-06	2.30E-05	2.07E-06	4.56E-06	1.69E-05	1.49E-06	5.17E-07	2.96E-06	3.53E-07	4.70E-07	1.55E-06	1.07E-07
5039	469361.49	3818040.72	5.50E-06	2.31E-05	2.08E-06	4.58E-06	1.70E-05	1.49E-06	5.19E-07	2.97E-06	3.55E-07	4.72E-07	1.56E-06	1.07E-07
5040	469370.43	3818037.18	5.53E-06	2.32E-05	2.09E-06	4.60E-06	1.71E-05	1.50E-06	5.22E-07	2.99E-06	3.57E-07	4.75E-07	1.56E-06	1.08E-07
5041	469379.36	3818033.64	5.56E-06	2.34E-05	2.10E-06	4.63E-06	1.72E-05	1.51E-06	5.25E-07	3.01E-06	3.59E-07	4.77E-07	1.57E-06	1.09E-07
5042	469388.3	3818030.1	5.60E-06	2.35E-05	2.12E-06	4.66E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.58E-06	1.09E-07
5043	469397.24	3818026.56	5.63E-06	2.36E-05	2.13E-06	4.69E-06	1.74E-05	1.53E-06	5.31E-07	3.04E-06	3.63E-07	4.83E-07	1.59E-06	1.10E-07
5044	469406.18	3818023.02	5.66E-06	2.38E-05	2.14E-06	4.71E-06	1.75E-05	1.54E-06	5.34E-07	3.06E-06	3.65E-07	4.86E-07	1.60E-06	1.10E-07
5045	469415.11	3818019.48	5.69E-06	2.39E-05	2.15E-06	4.74E-06	1.76E-05	1.54E-06	5.37E-07	3.08E-06	3.67E-07	4.89E-07	1.61E-06	1.11E-07
5046	469424.05	3818015.94	5.73E-06	2.41E-05	2.17E-06	4.77E-06	1.77E-05	1.56E-06	5.41E-07	3.10E-06	3.70E-07	4.92E-07	1.62E-06	1.12E-07
5047	469432.99	3818012.4	5.77E-06	2.42E-05	2.18E-06	4.80E-06	1.78E-05	1.57E-06	5.45E-07	3.12E-06	3.72E-07	4.95E-07	1.63E-06	1.13E-07
5048	469441.93	3818008.86	5.81E-06	2.44E-05	2.20E-06	4.84E-06	1.79E-05	1.58E-06	5.48E-07	3.14E-06	3.75E-07	4.98E-07	1.64E-06	1.13E-07
5049	469450.87	3818005.32	5.84E-06	2.45E-05	2.21E-06	4.87E-06	1.80E-05	1.59E-06	5.52E-07	3.16E-06	3.77E-07	5.02E-07	1.65E-06	1.14E-07
5050	469459.8	3818001.78	5.89E-06	2.47E-05	2.23E-06	4.91E-06	1.82E-05	1.60E-06	5.56E-07	3.19E-06	3.80E-07	5.06E-07	1.67E-06	1.15E-07
5051	469468.74	3817998.24	5.95E-06	2.50E-05	2.25E-06	4.95E-06	1.83E-05	1.61E-06	5.61E-07	3.21E-06	3.84E-07	5.10E-07	1.68E-06	1.16E-07
5052	469477.68	3817994.7	5.99E-06	2.52E-05	2.27E-06	4.99E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
5053	469486.62	3817991.16	6.04E-06	2.54E-05	2.28E-06	5.03E-06	1.86E-05	1.64E-06	5.70E-07	3.26E-06	3.89E-07	5.18E-07	1.71E-06	1.18E-07
5054	469495.55	3817987.62	6.08E-06	2.55E-05	2.30E-06	5.06E-06	1.88E-05	1.65E-06	5.74E-07	3.29E-06	3.92E-07	5.22E-07	1.72E-06	1.19E-07
5055	469504.49	3817984.08	6.12E-06	2.57E-05	2.32E-06	5.10E-06	1.89E-05	1.66E-06	5.78E-07	3.31E-06	3.95E-07	5.26E-07	1.73E-06	1.19E-07
5056	469513.43	3817980.54	6.17E-06	2.59E-05	2.33E-06	5.14E-06	1.90E-05	1.67E-06	5.82E-07	3.33E-06	3.98E-07	5.29E-07	1.75E-06	1.20E-07
5057	469522.37	3817977	6.22E-06	2.61E-05	2.35E-06	5.18E-06	1.92E-05	1.69E-06	5.87E-07	3.36E-06	4.01E-07	5.34E-07	1.76E-06	1.21E-07
5058	469531.3	3817973.46	6.26E-06	2.63E-05	2.37E-06	5.22E-06	1.93E-05	1.70E-06	5.91E-07	3.39E-06	4.04E-07	5.38E-07	1.77E-06	1.22E-07
5059	469540.24	3817969.92	6.31E-06	2.65E-05	2.39E-06	5.26E-06	1.95E-05	1.71E-06	5.96E-07	3.41E-06	4.07E-07	5.42E-07	1.79E-06	1.23E-07
5060	469549.18	3817966.38	6.35E-06	2.67E-05	2.40E-06	5.29E-06	1.96E-05	1.73E-06	6.00E-07	3.44E-06	4.10E-07	5.46E-07	1.80E-06	1.24E-07
5061	469558.12	3817962.84	6.40E-06	2.69E-05	2.42E-06	5.33E-06	1.97E-05	1.74E-06	6.04E-07	3.46E-06	4.13E-07	5.49E-07	1.81E-06	1.25E-07
5062	469567.05	3817959.3	6.44E-06	2.70E-05	2.43E-06	5.36E-06	1.99E-05	1.75E-06	6.08E-07	3.48E-06	4.15E-07	5.53E-07	1.82E-06	1.26E-07
5063	469575.99	3817955.76	6.48E-06	2.72E-05	2.45E-06	5.40E-06	2.00E-05	1.76E-06	6.12E-07	3.50E-06	4.18E-07	5.56E-07	1.83E-06	1.26E-07
5064	469584.93	3817952.22	6.52E-06	2.74E-05	2.47E-06	5.43E-06	2.01E-05	1.77E-06	6.16E-07	3.52E-06	4.20E-07	5.60E-07	1.85E-06	1.27E-07
5065	469593.87	3817948.68	6.56E-06	2.75E-05	2.48E-06	5.46E-06	2.02E-05	1.78E-06	6.19E-07	3.54E-06	4.23E-07	5.63E-07	1.86E-06	1.28E-07
5066	469602.8	3817945.14	6.59E-06	2.77E-05	2.49E-06	5.49E-06	2.03E-05	1.79E-06	6.22E-07	3.56E-06	4.25E-07	5.66E-07	1.87E-06	1.29E-07
5067	469611.74	3817941.6	6.62E-06	2.78E-05	2.51E-06	5.52E-06	2.04E-05	1.80E-06	6.26E-07	3.58E-06	4.27E-07	5.69E-07	1.88E-06	1.29E-07
5068	469620.68	3817938.06	6.66E-06	2.80E-05	2.52E-06	5.55E-06	2.05E-05	1.81E-06	6.29E-07	3.60E-06	4.29E-07	5.72E-07	1.88E-06	1.30E-07
5069	469629.62	3817934.52	6.69E-06	2.81E-05	2.53E-06	5.57E-06	2.06E-05	1.82E-06	6.31E-07	3.61E-06	4.31E-07	5.74E-07	1.89E-06	1.30E-07
5070	469638.56	3817930.98	6.72E-06	2.82E-05	2.54E-06	5.59E-06	2.07E-05	1.82E-06	6.34E-07	3.63E-06	4.33E-07	5.77E-07	1.90E-06	1.31E-07

5071	469647.49	3817927.44	6.74E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
5072	469656.43	3817923.9	6.77E-06	2.84E-05	2.56E-06	5.64E-06	2.09E-05	1.84E-06	6.39E-07	3.66E-06	4.37E-07	5.81E-07	1.92E-06	1.32E-07
5073	469665.37	3817920.36	6.79E-06	2.85E-05	2.57E-06	5.65E-06	2.09E-05	1.84E-06	6.41E-07	3.67E-06	4.38E-07	5.83E-07	1.92E-06	1.32E-07
5074	469674.31	3817916.82	6.80E-06	2.86E-05	2.57E-06	5.67E-06	2.10E-05	1.85E-06	6.42E-07	3.68E-06	4.39E-07	5.84E-07	1.93E-06	1.33E-07
5075	469683.24	3817913.28	6.82E-06	2.86E-05	2.58E-06	5.68E-06	2.10E-05	1.85E-06	6.44E-07	3.69E-06	4.40E-07	5.85E-07	1.93E-06	1.33E-07
5076	469710.06	3817902.66	6.85E-06	2.87E-05	2.59E-06	5.70E-06	2.11E-05	1.86E-06	6.46E-07	3.70E-06	4.42E-07	5.88E-07	1.94E-06	1.34E-07
5077	469754.74	3817884.96	6.86E-06	2.88E-05	2.60E-06	5.72E-06	2.12E-05	1.86E-06	6.48E-07	3.71E-06	4.43E-07	5.89E-07	1.94E-06	1.34E-07
5078	469763.68	3817881.42	6.86E-06	2.88E-05	2.60E-06	5.72E-06	2.12E-05	1.86E-06	6.48E-07	3.71E-06	4.43E-07	5.89E-07	1.94E-06	1.34E-07
5079	469772.62	3817877.88	6.87E-06	2.88E-05	2.60E-06	5.72E-06	2.12E-05	1.86E-06	6.49E-07	3.71E-06	4.43E-07	5.90E-07	1.94E-06	1.34E-07
5080	469781.56	3817874.34	6.87E-06	2.89E-05	2.60E-06	5.73E-06	2.12E-05	1.87E-06	6.49E-07	3.72E-06	4.43E-07	5.90E-07	1.95E-06	1.34E-07
5081	469790.5	3817870.8	6.88E-06	2.89E-05	2.60E-06	5.73E-06	2.12E-05	1.87E-06	6.50E-07	3.72E-06	4.44E-07	5.91E-07	1.95E-06	1.34E-07
5082	469799.43	3817867.26	6.88E-06	2.89E-05	2.60E-06	5.73E-06	2.12E-05	1.87E-06	6.50E-07	3.72E-06	4.44E-07	5.91E-07	1.95E-06	1.34E-07
5083	469808.37	3817863.72	6.89E-06	2.90E-05	2.61E-06	5.74E-06	2.13E-05	1.87E-06	6.51E-07	3.73E-06	4.45E-07	5.92E-07	1.95E-06	1.35E-07
5084	469817.31	3817860.18	6.90E-06	2.90E-05	2.61E-06	5.75E-06	2.13E-05	1.87E-06	6.52E-07	3.73E-06	4.45E-07	5.93E-07	1.95E-06	1.35E-07
5085	469826.25	3817856.64	6.92E-06	2.91E-05	2.62E-06	5.76E-06	2.13E-05	1.88E-06	6.53E-07	3.74E-06	4.46E-07	5.94E-07	1.96E-06	1.35E-07
5086	469835.18	3817853.1	6.93E-06	2.91E-05	2.62E-06	5.77E-06	2.14E-05	1.88E-06	6.55E-07	3.75E-06	4.47E-07	5.95E-07	1.96E-06	1.35E-07
5087	469844.12	3817849.56	6.95E-06	2.92E-05	2.63E-06	5.79E-06	2.15E-05	1.89E-06	6.56E-07	3.76E-06	4.48E-07	5.97E-07	1.97E-06	1.36E-07
5088	469853.06	3817846.02	6.97E-06	2.93E-05	2.63E-06	5.80E-06	2.15E-05	1.89E-06	6.58E-07	3.77E-06	4.49E-07	5.98E-07	1.97E-06	1.36E-07
5089	469862	3817842.48	6.98E-06	2.93E-05	2.64E-06	5.82E-06	2.16E-05	1.90E-06	6.60E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
5090	469870.93	3817838.95	7.01E-06	2.95E-05	2.65E-06	5.84E-06	2.16E-05	1.90E-06	6.62E-07	3.79E-06	4.52E-07	6.02E-07	1.99E-06	1.37E-07
5091	469879.87	3817835.41	7.05E-06	2.96E-05	2.67E-06	5.87E-06	2.18E-05	1.91E-06	6.66E-07	3.81E-06	4.55E-07	6.05E-07	2.00E-06	1.38E-07
5092	469888.81	3817831.87	7.10E-06	2.98E-05	2.68E-06	5.91E-06	2.19E-05	1.93E-06	6.70E-07	3.84E-06	4.58E-07	6.09E-07	2.01E-06	1.38E-07
5093	469897.75	3817828.33	7.14E-06	3.00E-05	2.70E-06	5.95E-06	2.20E-05	1.94E-06	6.74E-07	3.86E-06	4.60E-07	6.13E-07	2.02E-06	1.39E-07
5094	469906.68	3817824.79	7.18E-06	3.02E-05	2.72E-06	5.98E-06	2.22E-05	1.95E-06	6.78E-07	3.88E-06	4.63E-07	6.17E-07	2.03E-06	1.40E-07
5095	469915.62	3817821.25	7.23E-06	3.03E-05	2.73E-06	6.02E-06	2.23E-05	1.96E-06	6.82E-07	3.91E-06	4.66E-07	6.20E-07	2.05E-06	1.41E-07
5096	469924.56	3817817.71	7.28E-06	3.06E-05	2.75E-06	6.06E-06	2.25E-05	1.98E-06	6.87E-07	3.93E-06	4.69E-07	6.25E-07	2.06E-06	1.42E-07
5097	469933.5	3817814.17	7.34E-06	3.08E-05	2.77E-06	6.11E-06	2.26E-05	1.99E-06	6.93E-07	3.97E-06	4.73E-07	6.30E-07	2.08E-06	1.43E-07
5098	469942.43	3817810.63	7.41E-06	3.11E-05	2.80E-06	6.17E-06	2.29E-05	2.01E-06	7.00E-07	4.00E-06	4.78E-07	6.36E-07	2.10E-06	1.45E-07
5099	469951.37	3817807.09	7.48E-06	3.14E-05	2.83E-06	6.23E-06	2.31E-05	2.03E-06	7.06E-07	4.04E-06	4.82E-07	6.42E-07	2.12E-06	1.46E-07
5100	469960.31	3817803.55	7.55E-06	3.17E-05	2.86E-06	6.29E-06	2.33E-05	2.05E-06	7.13E-07	4.08E-06	4.87E-07	6.48E-07	2.14E-06	1.47E-07
5101	469969.25	3817800.01	7.63E-06	3.20E-05	2.89E-06	6.36E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.92E-07	6.55E-07	2.16E-06	1.49E-07
5102	469978.19	3817796.47	7.70E-06	3.23E-05	2.91E-06	6.42E-06	2.38E-05	2.09E-06	7.27E-07	4.16E-06	4.97E-07	6.61E-07	2.18E-06	1.50E-07
5103	469987.12	3817792.93	7.78E-06	3.27E-05	2.94E-06	6.48E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.68E-07	2.20E-06	1.52E-07
5104	469996.06	3817789.39	7.84E-06	3.29E-05	2.97E-06	6.53E-06	2.42E-05	2.13E-06	7.40E-07	4.24E-06	5.06E-07	6.73E-07	2.22E-06	1.53E-07
5105	470022.87	3817778.77	8.02E-06	3.37E-05	3.03E-06	6.68E-06	2.47E-05	2.18E-06	7.57E-07	4.34E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
5106	470031.81	3817775.23	8.07E-06	3.39E-05	3.05E-06	6.72E-06	2.49E-05	2.19E-06	7.62E-07	4.36E-06	5.21E-07	6.93E-07	2.28E-06	1.58E-07
5107	470040.75	3817771.69	8.12E-06	3.41E-05	3.07E-06	6.76E-06	2.51E-05	2.20E-06	7.67E-07	4.39E-06	5.24E-07	6.97E-07	2.30E-06	1.58E-07
5108	470049.69	3817768.15	8.16E-06	3.43E-05	3.09E-06	6.80E-06	2.52E-05	2.21E-06	7.70E-07	4.41E-06	5.26E-07	7.00E-07	2.31E-06	1.59E-07
5109	470058.62	3817764.61	8.19E-06	3.44E-05	3.10E-06	6.82E-06	2.53E-05	2.22E-06	7.73E-07	4.43E-06	5.28E-07	7.03E-07	2.32E-06	1.60E-07
5110	470067.56	3817761.07	8.21E-06	3.45E-05	3.10E-06	6.84E-06	2.53E-05	2.23E-06	7.75E-07	4.44E-06	5.29E-07	7.05E-07	2.32E-06	1.60E-07
5111	468608.86	3819225.41	2.25E-06	9.43E-06	8.50E-07	1.87E-06	6.93E-06	6.10E-07	2.12E-07	1.21E-06	1.45E-07	1.93E-07	6.36E-07	4.38E-08
5112	468608.67	3819235.06	2.29E-06	9.62E-06	8.66E-07	1.91E-06	7.07E-06	6.22E-07	2.16E-07	1.24E-06	1.48E-07	1.97E-07	6.48E-07	4.47E-08
5113	468608.48	3819244.7	2.33E-06	9.80E-06	8.82E-07	1.94E-06	7.20E-06	6.33E-07	2.20E-07	1.26E-06	1.50E-07	2.00E-07	6.60E-07	4.55E-08

5114	468608.28	3819254.35	2.37E-06	9.96E-06	8.97E-07	1.98E-06	7.32E-06	6.44E-07	2.24E-07	1.28E-06	1.53E-07	2.04E-07	6.71E-07	4.63E-08
5115	468608.09	3819264	2.41E-06	1.01E-05	9.13E-07	2.01E-06	7.45E-06	6.56E-07	2.28E-07	1.31E-06	1.56E-07	2.07E-07	6.84E-07	4.71E-08
5116	468607.9	3819273.65	2.45E-06	1.03E-05	9.28E-07	2.04E-06	7.57E-06	6.66E-07	2.32E-07	1.33E-06	1.58E-07	2.11E-07	6.94E-07	4.79E-08
5117	468607.71	3819283.3	2.49E-06	1.05E-05	9.42E-07	2.08E-06	7.69E-06	6.76E-07	2.35E-07	1.35E-06	1.61E-07	2.14E-07	7.05E-07	4.86E-08
5118	468607.51	3819292.95	2.53E-06	1.06E-05	9.55E-07	2.10E-06	7.79E-06	6.86E-07	2.38E-07	1.37E-06	1.63E-07	2.17E-07	7.15E-07	4.93E-08
5119	468607.32	3819302.59	2.56E-06	1.07E-05	9.68E-07	2.13E-06	7.90E-06	6.95E-07	2.42E-07	1.38E-06	1.65E-07	2.20E-07	7.24E-07	4.99E-08
5120	468607.13	3819312.24	2.59E-06	1.09E-05	9.81E-07	2.16E-06	8.00E-06	7.04E-07	2.45E-07	1.40E-06	1.67E-07	2.23E-07	7.34E-07	5.06E-08
5121	468606.93	3819321.89	2.62E-06	1.10E-05	9.92E-07	2.18E-06	8.09E-06	7.12E-07	2.48E-07	1.42E-06	1.69E-07	2.25E-07	7.42E-07	5.12E-08
5122	468606.74	3819331.54	2.65E-06	1.11E-05	1.00E-06	2.21E-06	8.18E-06	7.20E-07	2.50E-07	1.43E-06	1.71E-07	2.28E-07	7.50E-07	5.17E-08
5123	468606.55	3819341.19	2.68E-06	1.13E-05	1.01E-06	2.23E-06	8.27E-06	7.27E-07	2.53E-07	1.45E-06	1.73E-07	2.30E-07	7.58E-07	5.23E-08
5124	468606.35	3819350.83	2.70E-06	1.14E-05	1.02E-06	2.25E-06	8.34E-06	7.34E-07	2.55E-07	1.46E-06	1.74E-07	2.32E-07	7.65E-07	5.28E-08
5125	468606.16	3819360.48	2.73E-06	1.15E-05	1.03E-06	2.27E-06	8.42E-06	7.40E-07	2.58E-07	1.47E-06	1.76E-07	2.34E-07	7.72E-07	5.32E-08
5126	468605.97	3819370.13	2.75E-06	1.15E-05	1.04E-06	2.29E-06	8.48E-06	7.46E-07	2.59E-07	1.48E-06	1.77E-07	2.36E-07	7.77E-07	5.36E-08
5127	468605.77	3819379.78	2.76E-06	1.16E-05	1.04E-06	2.30E-06	8.52E-06	7.50E-07	2.61E-07	1.49E-06	1.78E-07	2.37E-07	7.82E-07	5.39E-08
5128	468605.58	3819389.43	2.78E-06	1.17E-05	1.05E-06	2.31E-06	8.57E-06	7.53E-07	2.62E-07	1.50E-06	1.79E-07	2.38E-07	7.86E-07	5.42E-08
5129	468605.39	3819399.08	2.79E-06	1.17E-05	1.06E-06	2.32E-06	8.61E-06	7.57E-07	2.63E-07	1.51E-06	1.80E-07	2.40E-07	7.90E-07	5.44E-08
5130	468605.19	3819408.72	2.80E-06	1.18E-05	1.06E-06	2.33E-06	8.64E-06	7.60E-07	2.64E-07	1.51E-06	1.81E-07	2.40E-07	7.93E-07	5.46E-08
5131	468605	3819418.37	2.80E-06	1.18E-05	1.06E-06	2.34E-06	8.65E-06	7.61E-07	2.65E-07	1.52E-06	1.81E-07	2.41E-07	7.94E-07	5.47E-08
5132	470093.02	3819664.65	5.54E-04	2.33E-03	2.10E-04	4.62E-04	1.71E-03	1.50E-04	5.23E-05	3.00E-04	3.57E-05	4.76E-05	1.57E-04	1.08E-05
5133	470084.4	3819660.93	5.51E-04	2.31E-03	2.08E-04	4.59E-04	1.70E-03	1.50E-04	5.20E-05	2.98E-04	3.55E-05	4.73E-05	1.56E-04	1.08E-05
5134	470075.78	3819657.2	5.46E-04	2.29E-03	2.07E-04	4.55E-04	1.69E-03	1.48E-04	5.16E-05	2.95E-04	3.52E-05	4.69E-05	1.55E-04	1.07E-05
5135	470067.17	3819653.47	5.40E-04	2.27E-03	2.04E-04	4.49E-04	1.67E-03	1.46E-04	5.10E-05	2.92E-04	3.48E-05	4.63E-05	1.53E-04	1.05E-05
5136	470101.64	3819668.38	5.55E-04	2.33E-03	2.10E-04	4.63E-04	1.71E-03	1.51E-04	5.25E-05	3.00E-04	3.58E-05	4.77E-05	1.57E-04	1.08E-05
5137	470111.33	3819668.51	5.67E-04	2.38E-03	2.14E-04	4.72E-04	1.75E-03	1.54E-04	5.35E-05	3.06E-04	3.66E-05	4.86E-05	1.60E-04	1.11E-05
5138	470121.03	3819668.65	5.76E-04	2.42E-03	2.18E-04	4.80E-04	1.78E-03	1.56E-04	5.44E-05	3.11E-04	3.72E-05	4.95E-05	1.63E-04	1.12E-05
5139	470130.73	3819668.78	5.84E-04	2.45E-03	2.21E-04	4.86E-04	1.80E-03	1.58E-04	5.51E-05	3.16E-04	3.76E-05	5.01E-05	1.65E-04	1.14E-05
5140	470140.43	3819668.92	5.89E-04	2.47E-03	2.23E-04	4.91E-04	1.82E-03	1.60E-04	5.56E-05	3.18E-04	3.80E-05	5.06E-05	1.67E-04	1.15E-05
5141	470150.12	3819669.05	5.92E-04	2.49E-03	2.24E-04	4.93E-04	1.83E-03	1.61E-04	5.59E-05	3.20E-04	3.82E-05	5.08E-05	1.68E-04	1.16E-05
5142	470159.82	3819669.19	5.93E-04	2.49E-03	2.24E-04	4.94E-04	1.83E-03	1.61E-04	5.60E-05	3.20E-04	3.82E-05	5.09E-05	1.68E-04	1.16E-05
5143	470169.52	3819669.32	5.91E-04	2.48E-03	2.24E-04	4.92E-04	1.82E-03	1.60E-04	5.58E-05	3.20E-04	3.81E-05	5.07E-05	1.67E-04	1.15E-05
5144	470179.22	3819669.46	5.87E-04	2.47E-03	2.22E-04	4.89E-04	1.81E-03	1.59E-04	5.55E-05	3.17E-04	3.79E-05	5.04E-05	1.66E-04	1.15E-05
5145	470188.91	3819669.59	5.81E-04	2.44E-03	2.20E-04	4.84E-04	1.79E-03	1.58E-04	5.49E-05	3.14E-04	3.75E-05	4.99E-05	1.65E-04	1.13E-05
5146	470198.61	3819669.73	5.73E-04	2.41E-03	2.17E-04	4.77E-04	1.77E-03	1.56E-04	5.41E-05	3.10E-04	3.70E-05	4.92E-05	1.62E-04	1.12E-05
5147	470208.31	3819669.86	5.63E-04	2.37E-03	2.13E-04	4.69E-04	1.74E-03	1.53E-04	5.32E-05	3.04E-04	3.63E-05	4.83E-05	1.59E-04	1.10E-05
5148	470218	3819670	5.51E-04	2.32E-03	2.09E-04	4.59E-04	1.70E-03	1.50E-04	5.21E-05	2.98E-04	3.56E-05	4.73E-05	1.56E-04	1.08E-05
5149	470227.7	3819670.13	5.38E-04	2.26E-03	2.04E-04	4.48E-04	1.66E-03	1.46E-04	5.08E-05	2.91E-04	3.47E-05	4.62E-05	1.52E-04	1.05E-05
5150	470237.4	3819670.27	5.24E-04	2.20E-03	1.98E-04	4.36E-04	1.62E-03	1.42E-04	4.95E-05	2.83E-04	3.38E-05	4.50E-05	1.48E-04	1.02E-05
5151	470247.1	3819670.4	5.09E-04	2.14E-03	1.92E-04	4.24E-04	1.57E-03	1.38E-04	4.80E-05	2.75E-04	3.28E-05	4.37E-05	1.44E-04	9.93E-06
5152	470256.79	3819670.54	4.93E-04	2.07E-03	1.86E-04	4.10E-04	1.52E-03	1.34E-04	4.65E-05	2.66E-04	3.18E-05	4.23E-05	1.39E-04	9.61E-06
5153	470266.49	3819670.67	4.76E-04	2.00E-03	1.80E-04	3.97E-04	1.47E-03	1.29E-04	4.50E-05	2.57E-04	3.07E-05	4.09E-05	1.35E-04	9.29E-06
5154	470092.9	3819684.72	5.01E-04	2.10E-03	1.89E-04	4.17E-04	1.55E-03	1.36E-04	4.73E-05	2.71E-04	3.23E-05	4.30E-05	1.42E-04	9.78E-06
5155	470084.44	3819681.06	4.99E-04	2.10E-03	1.89E-04	4.16E-04	1.54E-03	1.36E-04	4.71E-05	2.70E-04	3.22E-05	4.29E-05	1.41E-04	9.74E-06
5156	470075.98	3819677.4	4.96E-04	2.08E-03	1.88E-04	4.13E-04	1.53E-03	1.35E-04	4.68E-05	2.68E-04	3.20E-05	4.26E-05	1.40E-04	9.68E-06

5157	470067.52	3819673.74	4.91E-04	2.06E-03	1.86E-04	4.09E-04	1.52E-03	1.33E-04	4.64E-05	2.66E-04	3.17E-05	4.22E-05	1.39E-04	9.59E-06
5158	470059.05	3819670.08	4.86E-04	2.04E-03	1.84E-04	4.04E-04	1.50E-03	1.32E-04	4.59E-05	2.62E-04	3.13E-05	4.17E-05	1.37E-04	9.47E-06
5159	470050.59	3819666.42	4.78E-04	2.01E-03	1.81E-04	3.98E-04	1.48E-03	1.30E-04	4.52E-05	2.59E-04	3.09E-05	4.11E-05	1.35E-04	9.33E-06
5160	470042.13	3819662.77	4.70E-04	1.97E-03	1.78E-04	3.91E-04	1.45E-03	1.28E-04	4.44E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.17E-06
5161	470033.67	3819659.11	4.60E-04	1.93E-03	1.74E-04	3.83E-04	1.42E-03	1.25E-04	4.34E-05	2.49E-04	2.97E-05	3.95E-05	1.30E-04	8.98E-06
5162	470025.21	3819655.45	4.50E-04	1.89E-03	1.70E-04	3.74E-04	1.39E-03	1.22E-04	4.25E-05	2.43E-04	2.90E-05	3.86E-05	1.27E-04	8.77E-06
5163	470016.75	3819651.79	4.38E-04	1.84E-03	1.66E-04	3.65E-04	1.35E-03	1.19E-04	4.14E-05	2.37E-04	2.83E-05	3.76E-05	1.24E-04	8.55E-06
5164	470101.36	3819688.38	5.01E-04	2.11E-03	1.90E-04	4.18E-04	1.55E-03	1.36E-04	4.73E-05	2.71E-04	3.23E-05	4.30E-05	1.42E-04	9.78E-06
5165	470111.06	3819688.51	5.10E-04	2.14E-03	1.93E-04	4.25E-04	1.57E-03	1.38E-04	4.82E-05	2.76E-04	3.29E-05	4.38E-05	1.44E-04	9.95E-06
5166	470120.75	3819688.65	5.17E-04	2.17E-03	1.96E-04	4.31E-04	1.60E-03	1.40E-04	4.89E-05	2.80E-04	3.34E-05	4.44E-05	1.46E-04	1.01E-05
5167	470130.45	3819688.78	5.23E-04	2.20E-03	1.98E-04	4.36E-04	1.61E-03	1.42E-04	4.94E-05	2.83E-04	3.37E-05	4.49E-05	1.48E-04	1.02E-05
5168	470140.15	3819688.92	5.27E-04	2.21E-03	1.99E-04	4.39E-04	1.63E-03	1.43E-04	4.97E-05	2.85E-04	3.40E-05	4.52E-05	1.49E-04	1.03E-05
5169	470149.85	3819689.05	5.29E-04	2.22E-03	2.00E-04	4.40E-04	1.63E-03	1.44E-04	4.99E-05	2.86E-04	3.41E-05	4.54E-05	1.50E-04	1.03E-05
5170	470159.54	3819689.19	5.29E-04	2.22E-03	2.00E-04	4.40E-04	1.63E-03	1.44E-04	4.99E-05	2.86E-04	3.41E-05	4.54E-05	1.50E-04	1.03E-05
5171	470169.24	3819689.32	5.27E-04	2.21E-03	1.99E-04	4.39E-04	1.63E-03	1.43E-04	4.98E-05	2.85E-04	3.40E-05	4.52E-05	1.49E-04	1.03E-05
5172	470178.94	3819689.46	5.23E-04	2.20E-03	1.98E-04	4.36E-04	1.61E-03	1.42E-04	4.94E-05	2.83E-04	3.38E-05	4.49E-05	1.48E-04	1.02E-05
5173	470188.63	3819689.59	5.18E-04	2.18E-03	1.96E-04	4.31E-04	1.60E-03	1.41E-04	4.89E-05	2.80E-04	3.34E-05	4.45E-05	1.47E-04	1.01E-05
5174	470198.33	3819689.73	5.11E-04	2.15E-03	1.93E-04	4.26E-04	1.58E-03	1.39E-04	4.82E-05	2.76E-04	3.30E-05	4.39E-05	1.45E-04	9.97E-06
5175	470208.03	3819689.86	5.02E-04	2.11E-03	1.90E-04	4.18E-04	1.55E-03	1.36E-04	4.74E-05	2.72E-04	3.24E-05	4.31E-05	1.42E-04	9.80E-06
5176	470217.73	3819690	4.92E-04	2.07E-03	1.86E-04	4.10E-04	1.52E-03	1.34E-04	4.65E-05	2.66E-04	3.18E-05	4.23E-05	1.39E-04	9.61E-06
5177	470227.42	3819690.13	4.81E-04	2.02E-03	1.82E-04	4.01E-04	1.49E-03	1.31E-04	4.54E-05	2.60E-04	3.10E-05	4.13E-05	1.36E-04	9.39E-06
5178	470237.12	3819690.27	4.69E-04	1.97E-03	1.77E-04	3.91E-04	1.45E-03	1.27E-04	4.43E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.16E-06
5179	470246.82	3819690.4	4.56E-04	1.92E-03	1.73E-04	3.80E-04	1.41E-03	1.24E-04	4.31E-05	2.47E-04	2.94E-05	3.92E-05	1.29E-04	8.90E-06
5180	470256.51	3819690.54	4.43E-04	1.86E-03	1.67E-04	3.69E-04	1.37E-03	1.20E-04	4.18E-05	2.39E-04	2.86E-05	3.80E-05	1.25E-04	8.64E-06
5181	470266.21	3819690.67	4.29E-04	1.80E-03	1.62E-04	3.57E-04	1.32E-03	1.16E-04	4.05E-05	2.32E-04	2.77E-05	3.68E-05	1.21E-04	8.37E-06
5182	470092.35	3819704.6	4.55E-04	1.91E-03	1.72E-04	3.79E-04	1.40E-03	1.24E-04	4.30E-05	2.46E-04	2.93E-05	3.91E-05	1.29E-04	8.88E-06
5183	470083.62	3819700.82	4.54E-04	1.91E-03	1.72E-04	3.78E-04	1.40E-03	1.23E-04	4.29E-05	2.45E-04	2.93E-05	3.90E-05	1.29E-04	8.86E-06
5184	470074.89	3819697.05	4.52E-04	1.90E-03	1.71E-04	3.76E-04	1.39E-03	1.23E-04	4.27E-05	2.44E-04	2.91E-05	3.88E-05	1.28E-04	8.81E-06
5185	470066.16	3819693.28	4.48E-04	1.88E-03	1.69E-04	3.73E-04	1.38E-03	1.22E-04	4.23E-05	2.42E-04	2.89E-05	3.85E-05	1.27E-04	8.74E-06
5186	470057.43	3819689.5	4.43E-04	1.86E-03	1.68E-04	3.69E-04	1.37E-03	1.20E-04	4.19E-05	2.40E-04	2.86E-05	3.81E-05	1.26E-04	8.65E-06
5187	470048.7	3819685.73	4.38E-04	1.84E-03	1.65E-04	3.64E-04	1.35E-03	1.19E-04	4.13E-05	2.37E-04	2.82E-05	3.76E-05	1.24E-04	8.54E-06
5188	470039.97	3819681.95	4.30E-04	1.81E-03	1.63E-04	3.59E-04	1.33E-03	1.17E-04	4.06E-05	2.33E-04	2.78E-05	3.70E-05	1.22E-04	8.40E-06
5189	470031.24	3819678.18	4.22E-04	1.77E-03	1.60E-04	3.52E-04	1.30E-03	1.15E-04	3.99E-05	2.28E-04	2.72E-05	3.63E-05	1.20E-04	8.24E-06
5190	470022.51	3819674.4	4.14E-04	1.74E-03	1.56E-04	3.44E-04	1.28E-03	1.12E-04	3.91E-05	2.24E-04	2.67E-05	3.55E-05	1.17E-04	8.07E-06
5191	470013.78	3819670.63	4.04E-04	1.70E-03	1.53E-04	3.36E-04	1.25E-03	1.10E-04	3.81E-05	2.18E-04	2.60E-05	3.47E-05	1.14E-04	7.88E-06
5192	470005.06	3819666.85	3.94E-04	1.65E-03	1.49E-04	3.28E-04	1.21E-03	1.07E-04	3.72E-05	2.13E-04	2.54E-05	3.38E-05	1.11E-04	7.68E-06
5193	469996.33	3819663.08	3.83E-04	1.61E-03	1.45E-04	3.19E-04	1.18E-03	1.04E-04	3.61E-05	2.07E-04	2.47E-05	3.29E-05	1.08E-04	7.47E-06
5194	469987.6	3819659.3	3.71E-04	1.56E-03	1.40E-04	3.09E-04	1.15E-03	1.01E-04	3.51E-05	2.01E-04	2.40E-05	3.19E-05	1.05E-04	7.25E-06
5195	470101.08	3819708.37	4.55E-04	1.91E-03	1.72E-04	3.79E-04	1.40E-03	1.23E-04	4.29E-05	2.46E-04	2.93E-05	3.90E-05	1.29E-04	8.87E-06
5196	470110.78	3819708.51	4.62E-04	1.94E-03	1.75E-04	3.84E-04	1.42E-03	1.25E-04	4.36E-05	2.50E-04	2.98E-05	3.96E-05	1.31E-04	9.01E-06
5197	470120.48	3819708.64	4.67E-04	1.96E-03	1.77E-04	3.89E-04	1.44E-03	1.27E-04	4.41E-05	2.53E-04	3.01E-05	4.01E-05	1.32E-04	9.12E-06
5198	470130.17	3819708.78	4.71E-04	1.98E-03	1.78E-04	3.93E-04	1.45E-03	1.28E-04	4.45E-05	2.55E-04	3.04E-05	4.05E-05	1.33E-04	9.20E-06
5199	470139.87	3819708.91	4.74E-04	1.99E-03	1.79E-04	3.95E-04	1.46E-03	1.29E-04	4.48E-05	2.56E-04	3.06E-05	4.07E-05	1.34E-04	9.25E-06

5200	470149.57	3819709.05	4.75E-04	2.00E-03	1.80E-04	3.96E-04	1.47E-03	1.29E-04	4.49E-05	2.57E-04	3.07E-05	4.08E-05	1.35E-04	9.27E-06
5201	470159.26	3819709.18	4.75E-04	1.99E-03	1.80E-04	3.95E-04	1.47E-03	1.29E-04	4.48E-05	2.57E-04	3.06E-05	4.08E-05	1.34E-04	9.26E-06
5202	470168.96	3819709.32	4.73E-04	1.99E-03	1.79E-04	3.94E-04	1.46E-03	1.28E-04	4.47E-05	2.56E-04	3.05E-05	4.06E-05	1.34E-04	9.23E-06
5203	470178.66	3819709.45	4.69E-04	1.97E-03	1.78E-04	3.91E-04	1.45E-03	1.27E-04	4.43E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.16E-06
5204	470188.36	3819709.59	4.65E-04	1.95E-03	1.76E-04	3.87E-04	1.43E-03	1.26E-04	4.39E-05	2.51E-04	3.00E-05	3.99E-05	1.32E-04	9.07E-06
5205	470198.05	3819709.72	4.58E-04	1.93E-03	1.73E-04	3.82E-04	1.41E-03	1.24E-04	4.33E-05	2.48E-04	2.96E-05	3.94E-05	1.30E-04	8.94E-06
5206	470207.75	3819709.86	4.51E-04	1.89E-03	1.71E-04	3.76E-04	1.39E-03	1.22E-04	4.26E-05	2.44E-04	2.91E-05	3.87E-05	1.28E-04	8.80E-06
5207	470217.45	3819709.99	4.42E-04	1.86E-03	1.67E-04	3.69E-04	1.37E-03	1.20E-04	4.18E-05	2.39E-04	2.85E-05	3.80E-05	1.25E-04	8.63E-06
5208	470227.14	3819710.13	4.33E-04	1.82E-03	1.64E-04	3.61E-04	1.34E-03	1.18E-04	4.09E-05	2.34E-04	2.79E-05	3.72E-05	1.23E-04	8.45E-06
5209	470236.84	3819710.26	4.23E-04	1.78E-03	1.60E-04	3.52E-04	1.30E-03	1.15E-04	3.99E-05	2.29E-04	2.73E-05	3.63E-05	1.20E-04	8.25E-06
5210	470246.54	3819710.4	4.12E-04	1.73E-03	1.56E-04	3.43E-04	1.27E-03	1.12E-04	3.89E-05	2.23E-04	2.66E-05	3.54E-05	1.17E-04	8.04E-06
5211	470256.24	3819710.53	4.01E-04	1.68E-03	1.51E-04	3.34E-04	1.24E-03	1.09E-04	3.78E-05	2.17E-04	2.58E-05	3.44E-05	1.13E-04	7.82E-06
5212	470265.93	3819710.67	3.89E-04	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.06E-04	3.67E-05	2.10E-04	2.51E-05	3.34E-05	1.10E-04	7.59E-06
5213	470092.22	3819724.66	4.15E-04	1.74E-03	1.57E-04	3.46E-04	1.28E-03	1.13E-04	3.92E-05	2.24E-04	2.68E-05	3.56E-05	1.17E-04	8.10E-06
5214	470083.64	3819720.95	4.15E-04	1.74E-03	1.57E-04	3.45E-04	1.28E-03	1.13E-04	3.92E-05	2.24E-04	2.68E-05	3.56E-05	1.17E-04	8.09E-06
5215	470075.05	3819717.24	4.13E-04	1.74E-03	1.56E-04	3.44E-04	1.28E-03	1.12E-04	3.90E-05	2.23E-04	2.67E-05	3.55E-05	1.17E-04	8.07E-06
5216	470066.47	3819713.53	4.11E-04	1.73E-03	1.55E-04	3.42E-04	1.27E-03	1.12E-04	3.88E-05	2.22E-04	2.65E-05	3.53E-05	1.16E-04	8.02E-06
5217	470014.97	3819691.25	3.77E-04	1.58E-03	1.43E-04	3.14E-04	1.16E-03	1.02E-04	3.56E-05	2.04E-04	2.43E-05	3.24E-05	1.07E-04	7.35E-06
5218	470006.38	3819687.54	3.69E-04	1.55E-03	1.39E-04	3.07E-04	1.14E-03	1.00E-04	3.48E-05	1.99E-04	2.38E-05	3.17E-05	1.04E-04	7.19E-06
5219	469997.8	3819683.83	3.60E-04	1.51E-03	1.36E-04	3.00E-04	1.11E-03	9.77E-05	3.40E-05	1.95E-04	2.32E-05	3.09E-05	1.02E-04	7.03E-06
5220	469989.22	3819680.12	3.51E-04	1.47E-03	1.33E-04	2.92E-04	1.08E-03	9.53E-05	3.31E-05	1.90E-04	2.26E-05	3.01E-05	9.93E-05	6.85E-06
5221	469980.63	3819676.41	3.41E-04	1.43E-03	1.29E-04	2.84E-04	1.05E-03	9.27E-05	3.22E-05	1.85E-04	2.20E-05	2.93E-05	9.66E-05	6.66E-06
5222	470100.8	3819728.37	4.14E-04	1.74E-03	1.57E-04	3.45E-04	1.28E-03	1.12E-04	3.91E-05	2.24E-04	2.67E-05	3.55E-05	1.17E-04	8.08E-06
5223	470110.5	3819728.51	4.19E-04	1.76E-03	1.59E-04	3.49E-04	1.29E-03	1.14E-04	3.96E-05	2.27E-04	2.70E-05	3.60E-05	1.19E-04	8.18E-06
5224	470120.2	3819728.64	4.24E-04	1.78E-03	1.60E-04	3.53E-04	1.31E-03	1.15E-04	4.00E-05	2.29E-04	2.73E-05	3.64E-05	1.20E-04	8.27E-06
5225	470129.89	3819728.78	4.27E-04	1.79E-03	1.61E-04	3.55E-04	1.32E-03	1.16E-04	4.03E-05	2.31E-04	2.75E-05	3.66E-05	1.21E-04	8.33E-06
5226	470139.59	3819728.91	4.29E-04	1.80E-03	1.62E-04	3.57E-04	1.32E-03	1.16E-04	4.05E-05	2.32E-04	2.76E-05	3.68E-05	1.21E-04	8.36E-06
5227	470149.29	3819729.05	4.29E-04	1.80E-03	1.62E-04	3.57E-04	1.32E-03	1.16E-04	4.05E-05	2.32E-04	2.77E-05	3.68E-05	1.21E-04	8.37E-06
5228	470158.99	3819729.18	4.28E-04	1.80E-03	1.62E-04	3.57E-04	1.32E-03	1.16E-04	4.05E-05	2.32E-04	2.76E-05	3.68E-05	1.21E-04	8.36E-06
5229	470168.68	3819729.32	4.26E-04	1.79E-03	1.61E-04	3.55E-04	1.32E-03	1.16E-04	4.03E-05	2.31E-04	2.75E-05	3.66E-05	1.21E-04	8.32E-06
5230	470178.38	3819729.45	4.23E-04	1.78E-03	1.60E-04	3.53E-04	1.31E-03	1.15E-04	4.00E-05	2.29E-04	2.73E-05	3.63E-05	1.20E-04	8.26E-06
5231	470188.08	3819729.59	4.19E-04	1.76E-03	1.58E-04	3.49E-04	1.29E-03	1.14E-04	3.95E-05	2.26E-04	2.70E-05	3.60E-05	1.19E-04	8.17E-06
5232	470197.77	3819729.72	4.13E-04	1.74E-03	1.56E-04	3.44E-04	1.28E-03	1.12E-04	3.90E-05	2.23E-04	2.67E-05	3.55E-05	1.17E-04	8.07E-06
5233	470207.47	3819729.86	4.07E-04	1.71E-03	1.54E-04	3.39E-04	1.26E-03	1.10E-04	3.84E-05	2.20E-04	2.62E-05	3.49E-05	1.15E-04	7.94E-06
5234	470217.17	3819729.99	4.00E-04	1.68E-03	1.51E-04	3.33E-04	1.23E-03	1.08E-04	3.77E-05	2.16E-04	2.58E-05	3.43E-05	1.13E-04	7.80E-06
5235	470226.87	3819730.13	3.91E-04	1.64E-03	1.48E-04	3.26E-04	1.21E-03	1.06E-04	3.70E-05	2.12E-04	2.52E-05	3.36E-05	1.11E-04	7.64E-06
5236	470236.56	3819730.26	3.83E-04	1.61E-03	1.45E-04	3.19E-04	1.18E-03	1.04E-04	3.62E-05	2.07E-04	2.47E-05	3.29E-05	1.08E-04	7.47E-06
5237	470246.26	3819730.4	3.74E-04	1.57E-03	1.41E-04	3.11E-04	1.15E-03	1.01E-04	3.53E-05	2.02E-04	2.41E-05	3.21E-05	1.06E-04	7.29E-06
5238	470255.96	3819730.53	3.64E-04	1.53E-03	1.38E-04	3.03E-04	1.12E-03	9.88E-05	3.44E-05	1.97E-04	2.35E-05	3.13E-05	1.03E-04	7.11E-06
5239	470265.66	3819730.67	3.54E-04	1.49E-03	1.34E-04	2.95E-04	1.09E-03	9.61E-05	3.34E-05	1.91E-04	2.28E-05	3.04E-05	1.00E-04	6.91E-06
5240	470091.71	3819744.56	3.80E-04	1.60E-03	1.44E-04	3.16E-04	1.17E-03	1.03E-04	3.59E-05	2.05E-04	2.45E-05	3.26E-05	1.08E-04	7.41E-06
5241	470082.9	3819740.75	3.80E-04	1.60E-03	1.44E-04	3.17E-04	1.17E-03	1.03E-04	3.59E-05	2.06E-04	2.45E-05	3.26E-05	1.08E-04	7.42E-06
5242	470074.08	3819736.94	3.79E-04	1.59E-03	1.44E-04	3.16E-04	1.17E-03	1.03E-04	3.58E-05	2.05E-04	2.45E-05	3.26E-05	1.07E-04	7.40E-06

5243	470065.27	3819733.13	3.78E-04	1.59E-03	1.43E-04	3.15E-04	1.17E-03	1.03E-04	3.57E-05	2.04E-04	2.44E-05	3.24E-05	1.07E-04	7.37E-06
5244	470100.52	3819748.37	3.79E-04	1.59E-03	1.43E-04	3.15E-04	1.17E-03	1.03E-04	3.57E-05	2.05E-04	2.44E-05	3.25E-05	1.07E-04	7.39E-06
5245	470110.22	3819748.51	3.83E-04	1.61E-03	1.45E-04	3.19E-04	1.18E-03	1.04E-04	3.61E-05	2.07E-04	2.47E-05	3.29E-05	1.08E-04	7.47E-06
5246	470119.92	3819748.64	3.86E-04	1.62E-03	1.46E-04	3.22E-04	1.19E-03	1.05E-04	3.65E-05	2.09E-04	2.49E-05	3.31E-05	1.09E-04	7.53E-06
5247	470129.62	3819748.78	3.88E-04	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.05E-04	3.67E-05	2.10E-04	2.51E-05	3.33E-05	1.10E-04	7.58E-06
5248	470139.31	3819748.91	3.90E-04	1.64E-03	1.47E-04	3.25E-04	1.20E-03	1.06E-04	3.68E-05	2.11E-04	2.51E-05	3.35E-05	1.10E-04	7.60E-06
5249	470149.01	3819749.05	3.90E-04	1.64E-03	1.47E-04	3.25E-04	1.20E-03	1.06E-04	3.68E-05	2.11E-04	2.51E-05	3.35E-05	1.10E-04	7.61E-06
5250	470158.71	3819749.18	3.89E-04	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.06E-04	3.67E-05	2.10E-04	2.51E-05	3.34E-05	1.10E-04	7.59E-06
5251	470168.4	3819749.32	3.87E-04	1.63E-03	1.46E-04	3.22E-04	1.19E-03	1.05E-04	3.65E-05	2.09E-04	2.50E-05	3.32E-05	1.10E-04	7.55E-06
5252	470178.1	3819749.45	3.84E-04	1.61E-03	1.45E-04	3.20E-04	1.18E-03	1.04E-04	3.63E-05	2.08E-04	2.48E-05	3.30E-05	1.09E-04	7.49E-06
5253	470187.8	3819749.59	3.80E-04	1.60E-03	1.44E-04	3.17E-04	1.17E-03	1.03E-04	3.59E-05	2.05E-04	2.45E-05	3.26E-05	1.08E-04	7.42E-06
5254	470197.5	3819749.72	3.75E-04	1.58E-03	1.42E-04	3.12E-04	1.16E-03	1.02E-04	3.54E-05	2.03E-04	2.42E-05	3.22E-05	1.06E-04	7.32E-06
5255	470207.19	3819749.86	3.69E-04	1.55E-03	1.40E-04	3.08E-04	1.14E-03	1.00E-04	3.49E-05	2.00E-04	2.38E-05	3.17E-05	1.05E-04	7.21E-06
5256	470216.89	3819749.99	3.63E-04	1.52E-03	1.37E-04	3.02E-04	1.12E-03	9.86E-05	3.43E-05	1.96E-04	2.34E-05	3.12E-05	1.03E-04	7.09E-06
5257	470226.59	3819750.13	3.56E-04	1.50E-03	1.35E-04	2.97E-04	1.10E-03	9.67E-05	3.36E-05	1.92E-04	2.30E-05	3.06E-05	1.01E-04	6.95E-06
5258	470236.29	3819750.26	3.49E-04	1.46E-03	1.32E-04	2.90E-04	1.08E-03	9.46E-05	3.29E-05	1.88E-04	2.25E-05	2.99E-05	9.87E-05	6.80E-06
5259	470245.98	3819750.4	3.41E-04	1.43E-03	1.29E-04	2.84E-04	1.05E-03	9.25E-05	3.22E-05	1.84E-04	2.20E-05	2.92E-05	9.64E-05	6.65E-06
5260	470255.68	3819750.53	3.32E-04	1.40E-03	1.26E-04	2.77E-04	1.03E-03	9.02E-05	3.14E-05	1.80E-04	2.14E-05	2.85E-05	9.41E-05	6.49E-06
5261	470265.38	3819750.67	3.24E-04	1.36E-03	1.22E-04	2.70E-04	9.99E-04	8.79E-05	3.06E-05	1.75E-04	2.09E-05	2.78E-05	9.16E-05	6.32E-06
5262	470091.09	3819784.53	3.22E-04	1.35E-03	1.22E-04	2.68E-04	9.94E-04	8.75E-05	3.04E-05	1.74E-04	2.08E-05	2.77E-05	9.12E-05	6.29E-06
5263	470082.21	3819780.69	3.23E-04	1.36E-03	1.22E-04	2.69E-04	9.97E-04	8.77E-05	3.05E-05	1.75E-04	2.08E-05	2.77E-05	9.14E-05	6.30E-06
5264	470073.33	3819776.85	3.23E-04	1.36E-03	1.22E-04	2.69E-04	9.97E-04	8.77E-05	3.05E-05	1.75E-04	2.08E-05	2.77E-05	9.14E-05	6.30E-06
5265	470064.45	3819773.01	3.22E-04	1.35E-03	1.22E-04	2.68E-04	9.94E-04	8.75E-05	3.04E-05	1.74E-04	2.08E-05	2.77E-05	9.12E-05	6.29E-06
5266	470099.97	3819788.37	3.21E-04	1.35E-03	1.21E-04	2.67E-04	9.89E-04	8.70E-05	3.03E-05	1.73E-04	2.07E-05	2.75E-05	9.08E-05	6.26E-06
5267	470109.66	3819788.5	3.23E-04	1.36E-03	1.22E-04	2.69E-04	9.98E-04	8.78E-05	3.05E-05	1.75E-04	2.09E-05	2.78E-05	9.15E-05	6.31E-06
5268	470119.36	3819788.64	3.25E-04	1.37E-03	1.23E-04	2.71E-04	1.00E-03	8.83E-05	3.07E-05	1.76E-04	2.10E-05	2.79E-05	9.21E-05	6.35E-06
5269	470129.06	3819788.77	3.27E-04	1.37E-03	1.23E-04	2.72E-04	1.01E-03	8.86E-05	3.08E-05	1.77E-04	2.11E-05	2.80E-05	9.24E-05	6.37E-06
5270	470138.76	3819788.91	3.27E-04	1.37E-03	1.24E-04	2.72E-04	1.01E-03	8.88E-05	3.09E-05	1.77E-04	2.11E-05	2.81E-05	9.26E-05	6.38E-06
5271	470148.45	3819789.04	3.27E-04	1.37E-03	1.24E-04	2.72E-04	1.01E-03	8.87E-05	3.08E-05	1.77E-04	2.11E-05	2.80E-05	9.25E-05	6.37E-06
5272	470158.15	3819789.18	3.25E-04	1.37E-03	1.23E-04	2.71E-04	1.00E-03	8.84E-05	3.07E-05	1.76E-04	2.10E-05	2.79E-05	9.21E-05	6.35E-06
5273	470167.85	3819789.31	3.24E-04	1.36E-03	1.22E-04	2.70E-04	9.99E-04	8.78E-05	3.06E-05	1.75E-04	2.09E-05	2.78E-05	9.16E-05	6.31E-06
5274	470177.54	3819789.45	3.21E-04	1.35E-03	1.21E-04	2.67E-04	9.90E-04	8.71E-05	3.03E-05	1.74E-04	2.07E-05	2.76E-05	9.09E-05	6.26E-06
5275	470187.24	3819789.58	3.18E-04	1.33E-03	1.20E-04	2.65E-04	9.80E-04	8.62E-05	3.00E-05	1.72E-04	2.05E-05	2.73E-05	8.99E-05	6.20E-06
5276	470196.94	3819789.72	3.14E-04	1.32E-03	1.19E-04	2.61E-04	9.68E-04	8.52E-05	2.96E-05	1.70E-04	2.02E-05	2.69E-05	8.88E-05	6.12E-06
5277	470206.64	3819789.85	3.09E-04	1.30E-03	1.17E-04	2.58E-04	9.55E-04	8.40E-05	2.92E-05	1.67E-04	2.00E-05	2.66E-05	8.76E-05	6.04E-06
5278	470216.33	3819789.99	3.04E-04	1.28E-03	1.15E-04	2.53E-04	9.39E-04	8.26E-05	2.87E-05	1.65E-04	1.96E-05	2.61E-05	8.61E-05	5.94E-06
5279	470226.03	3819790.12	2.99E-04	1.26E-03	1.13E-04	2.49E-04	9.22E-04	8.12E-05	2.82E-05	1.62E-04	1.93E-05	2.57E-05	8.46E-05	5.83E-06
5280	470235.73	3819790.26	2.93E-04	1.23E-03	1.11E-04	2.44E-04	9.05E-04	7.96E-05	2.77E-05	1.58E-04	1.89E-05	2.52E-05	8.30E-05	5.72E-06
5281	470245.43	3819790.39	2.87E-04	1.21E-03	1.09E-04	2.39E-04	8.86E-04	7.79E-05	2.71E-05	1.55E-04	1.85E-05	2.46E-05	8.13E-05	5.60E-06
5282	470255.12	3819790.53	2.81E-04	1.18E-03	1.06E-04	2.34E-04	8.66E-04	7.62E-05	2.65E-05	1.52E-04	1.81E-05	2.41E-05	7.95E-05	5.48E-06
5283	470264.82	3819790.66	2.74E-04	1.15E-03	1.04E-04	2.28E-04	8.46E-04	7.44E-05	2.59E-05	1.48E-04	1.77E-05	2.35E-05	7.76E-05	5.35E-06
5284	470090.77	3819824.63	2.77E-04	1.16E-03	1.05E-04	2.31E-04	8.55E-04	7.52E-05	2.61E-05	1.50E-04	1.79E-05	2.38E-05	7.84E-05	5.40E-06
5285	470082.12	3819820.89	2.78E-04	1.17E-03	1.05E-04	2.32E-04	8.58E-04	7.55E-05	2.63E-05	1.50E-04	1.79E-05	2.39E-05	7.87E-05	5.43E-06

5286	470073.48	3819817.15	2.79E-04	1.17E-03	1.05E-04	2.32E-04	8.60E-04	7.56E-05	2.63E-05	1.51E-04	1.80E-05	2.39E-05	7.88E-05	5.44E-06
5287	470064.84	3819813.41	2.78E-04	1.17E-03	1.05E-04	2.32E-04	8.59E-04	7.56E-05	2.63E-05	1.51E-04	1.80E-05	2.39E-05	7.88E-05	5.43E-06
5288	470099.41	3819828.36	2.75E-04	1.16E-03	1.04E-04	2.29E-04	8.49E-04	7.47E-05	2.60E-05	1.49E-04	1.78E-05	2.36E-05	7.79E-05	5.37E-06
5289	470109.11	3819828.5	2.77E-04	1.16E-03	1.05E-04	2.31E-04	8.54E-04	7.52E-05	2.61E-05	1.50E-04	1.79E-05	2.38E-05	7.84E-05	5.40E-06
5290	470118.8	3819828.63	2.78E-04	1.17E-03	1.05E-04	2.32E-04	8.58E-04	7.55E-05	2.63E-05	1.50E-04	1.79E-05	2.39E-05	7.87E-05	5.42E-06
5291	470128.5	3819828.77	2.79E-04	1.17E-03	1.05E-04	2.32E-04	8.60E-04	7.56E-05	2.63E-05	1.51E-04	1.80E-05	2.39E-05	7.88E-05	5.44E-06
5292	470138.2	3819828.9	2.79E-04	1.17E-03	1.05E-04	2.32E-04	8.60E-04	7.56E-05	2.63E-05	1.51E-04	1.80E-05	2.39E-05	7.88E-05	5.44E-06
5293	470147.9	3819829.04	2.78E-04	1.17E-03	1.05E-04	2.31E-04	8.58E-04	7.54E-05	2.62E-05	1.50E-04	1.79E-05	2.39E-05	7.87E-05	5.42E-06
5294	470157.59	3819829.17	2.77E-04	1.16E-03	1.05E-04	2.30E-04	8.54E-04	7.51E-05	2.61E-05	1.50E-04	1.78E-05	2.38E-05	7.83E-05	5.40E-06
5295	470167.29	3819829.31	2.75E-04	1.15E-03	1.04E-04	2.29E-04	8.48E-04	7.46E-05	2.60E-05	1.49E-04	1.77E-05	2.36E-05	7.78E-05	5.36E-06
5296	470176.99	3819829.44	2.73E-04	1.15E-03	1.03E-04	2.27E-04	8.41E-04	7.40E-05	2.57E-05	1.47E-04	1.76E-05	2.34E-05	7.72E-05	5.32E-06
5297	470186.69	3819829.58	2.70E-04	1.13E-03	1.02E-04	2.25E-04	8.33E-04	7.33E-05	2.55E-05	1.46E-04	1.74E-05	2.32E-05	7.64E-05	5.27E-06
5298	470196.38	3819829.71	2.67E-04	1.12E-03	1.01E-04	2.22E-04	8.23E-04	7.24E-05	2.52E-05	1.44E-04	1.72E-05	2.29E-05	7.55E-05	5.20E-06
5299	470206.08	3819829.85	2.63E-04	1.10E-03	9.95E-05	2.19E-04	8.12E-04	7.14E-05	2.48E-05	1.42E-04	1.70E-05	2.26E-05	7.45E-05	5.13E-06
5300	470215.78	3819829.98	2.59E-04	1.09E-03	9.80E-05	2.16E-04	8.00E-04	7.03E-05	2.45E-05	1.40E-04	1.67E-05	2.22E-05	7.33E-05	5.06E-06
5301	470225.47	3819830.12	2.55E-04	1.07E-03	9.64E-05	2.12E-04	7.86E-04	6.92E-05	2.41E-05	1.38E-04	1.64E-05	2.19E-05	7.21E-05	4.97E-06
5302	470235.17	3819830.25	2.50E-04	1.05E-03	9.47E-05	2.08E-04	7.72E-04	6.79E-05	2.36E-05	1.35E-04	1.61E-05	2.15E-05	7.08E-05	4.88E-06
5303	470244.87	3819830.39	2.46E-04	1.03E-03	9.29E-05	2.05E-04	7.58E-04	6.67E-05	2.32E-05	1.33E-04	1.58E-05	2.11E-05	6.95E-05	4.79E-06
5304	470254.57	3819830.52	2.41E-04	1.01E-03	9.10E-05	2.00E-04	7.43E-04	6.53E-05	2.27E-05	1.30E-04	1.55E-05	2.07E-05	6.81E-05	4.70E-06
5305	470264.26	3819830.66	2.36E-04	9.89E-04	8.91E-05	1.96E-04	7.27E-04	6.39E-05	2.22E-05	1.27E-04	1.52E-05	2.02E-05	6.67E-05	4.60E-06
5306	470090.14	3819864.59	2.41E-04	1.01E-03	9.10E-05	2.00E-04	7.42E-04	6.53E-05	2.27E-05	1.30E-04	1.55E-05	2.07E-05	6.81E-05	4.69E-06
5307	470081.43	3819860.83	2.42E-04	1.02E-03	9.15E-05	2.01E-04	7.46E-04	6.56E-05	2.28E-05	1.31E-04	1.56E-05	2.08E-05	6.84E-05	4.72E-06
5308	470072.72	3819857.06	2.43E-04	1.02E-03	9.17E-05	2.02E-04	7.49E-04	6.59E-05	2.29E-05	1.31E-04	1.56E-05	2.08E-05	6.87E-05	4.73E-06
5309	470064.01	3819853.29	2.43E-04	1.02E-03	9.19E-05	2.02E-04	7.50E-04	6.59E-05	2.29E-05	1.31E-04	1.57E-05	2.09E-05	6.88E-05	4.74E-06
5310	470098.85	3819868.36	2.39E-04	1.00E-03	9.04E-05	1.99E-04	7.37E-04	6.49E-05	2.26E-05	1.29E-04	1.54E-05	2.05E-05	6.76E-05	4.66E-06
5311	470108.55	3819868.49	2.40E-04	1.01E-03	9.07E-05	2.00E-04	7.40E-04	6.51E-05	2.27E-05	1.30E-04	1.55E-05	2.06E-05	6.79E-05	4.68E-06
5312	470118.25	3819868.63	2.41E-04	1.01E-03	9.10E-05	2.00E-04	7.42E-04	6.53E-05	2.27E-05	1.30E-04	1.55E-05	2.06E-05	6.81E-05	4.69E-06
5313	470127.95	3819868.76	2.41E-04	1.01E-03	9.10E-05	2.00E-04	7.43E-04	6.53E-05	2.27E-05	1.30E-04	1.55E-05	2.07E-05	6.81E-05	4.70E-06
5314	470137.64	3819868.9	2.40E-04	1.01E-03	9.09E-05	2.00E-04	7.42E-04	6.52E-05	2.27E-05	1.30E-04	1.55E-05	2.06E-05	6.80E-05	4.69E-06
5315	470147.34	3819869.03	2.40E-04	1.01E-03	9.06E-05	2.00E-04	7.39E-04	6.50E-05	2.26E-05	1.30E-04	1.55E-05	2.06E-05	6.78E-05	4.67E-06
5316	470157.04	3819869.17	2.38E-04	1.00E-03	9.01E-05	1.99E-04	7.36E-04	6.47E-05	2.25E-05	1.29E-04	1.54E-05	2.05E-05	6.75E-05	4.65E-06
5317	470166.73	3819869.3	2.37E-04	9.94E-04	8.95E-05	1.97E-04	7.31E-04	6.43E-05	2.24E-05	1.28E-04	1.53E-05	2.03E-05	6.70E-05	4.62E-06
5318	470176.43	3819869.44	2.35E-04	9.86E-04	8.88E-05	1.96E-04	7.24E-04	6.37E-05	2.22E-05	1.27E-04	1.51E-05	2.02E-05	6.65E-05	4.58E-06
5319	470186.13	3819869.57	2.32E-04	9.76E-04	8.79E-05	1.94E-04	7.17E-04	6.31E-05	2.19E-05	1.26E-04	1.50E-05	2.00E-05	6.58E-05	4.54E-06
5320	470195.83	3819869.71	2.30E-04	9.65E-04	8.69E-05	1.91E-04	7.09E-04	6.24E-05	2.17E-05	1.24E-04	1.48E-05	1.97E-05	6.50E-05	4.48E-06
5321	470205.52	3819869.84	2.27E-04	9.52E-04	8.57E-05	1.89E-04	7.00E-04	6.15E-05	2.14E-05	1.23E-04	1.46E-05	1.95E-05	6.42E-05	4.42E-06
5322	470215.22	3819869.98	2.23E-04	9.38E-04	8.45E-05	1.86E-04	6.89E-04	6.06E-05	2.11E-05	1.21E-04	1.44E-05	1.92E-05	6.32E-05	4.36E-06
5323	470224.92	3819870.11	2.20E-04	9.23E-04	8.31E-05	1.83E-04	6.78E-04	5.97E-05	2.08E-05	1.19E-04	1.42E-05	1.89E-05	6.22E-05	4.29E-06
5324	470234.61	3819870.25	2.16E-04	9.08E-04	8.17E-05	1.80E-04	6.67E-04	5.87E-05	2.04E-05	1.17E-04	1.39E-05	1.86E-05	6.12E-05	4.22E-06
5325	470244.31	3819870.38	2.12E-04	8.92E-04	8.03E-05	1.77E-04	6.55E-04	5.76E-05	2.01E-05	1.15E-04	1.37E-05	1.82E-05	6.01E-05	4.14E-06
5326	470254.01	3819870.52	2.08E-04	8.75E-04	7.88E-05	1.74E-04	6.43E-04	5.66E-05	1.97E-05	1.13E-04	1.34E-05	1.79E-05	5.90E-05	4.07E-06
5327	470263.71	3819870.65	2.04E-04	8.59E-04	7.73E-05	1.70E-04	6.31E-04	5.55E-05	1.93E-05	1.11E-04	1.32E-05	1.76E-05	5.79E-05	3.99E-06
5328	470089.53	3819904.56	2.11E-04	8.86E-04	7.98E-05	1.76E-04	6.51E-04	5.73E-05	1.99E-05	1.14E-04	1.36E-05	1.81E-05	5.97E-05	4.12E-06

5329	470080.76	3819900.77	2.12E-04	8.91E-04	8.02E-05	1.77E-04	6.55E-04	5.76E-05	2.00E-05	1.15E-04	1.37E-05	1.82E-05	6.01E-05	4.14E-06
5330	470072	3819896.98	2.13E-04	8.95E-04	8.06E-05	1.77E-04	6.57E-04	5.78E-05	2.01E-05	1.15E-04	1.37E-05	1.83E-05	6.03E-05	4.16E-06
5331	470063.23	3819893.19	2.14E-04	8.97E-04	8.08E-05	1.78E-04	6.59E-04	5.80E-05	2.02E-05	1.15E-04	1.38E-05	1.83E-05	6.04E-05	4.17E-06
5332	470098.3	3819908.36	2.09E-04	8.79E-04	7.92E-05	1.74E-04	6.46E-04	5.68E-05	1.98E-05	1.13E-04	1.35E-05	1.80E-05	5.93E-05	4.09E-06
5333	470107.99	3819908.49	2.10E-04	8.82E-04	7.94E-05	1.75E-04	6.48E-04	5.70E-05	1.98E-05	1.14E-04	1.35E-05	1.80E-05	5.94E-05	4.10E-06
5334	470117.69	3819908.63	2.10E-04	8.83E-04	7.95E-05	1.75E-04	6.49E-04	5.71E-05	1.99E-05	1.14E-04	1.36E-05	1.81E-05	5.95E-05	4.10E-06
5335	470127.39	3819908.76	2.10E-04	8.83E-04	7.95E-05	1.75E-04	6.48E-04	5.70E-05	1.98E-05	1.14E-04	1.36E-05	1.80E-05	5.95E-05	4.10E-06
5336	470137.09	3819908.9	2.10E-04	8.80E-04	7.93E-05	1.75E-04	6.47E-04	5.69E-05	1.98E-05	1.13E-04	1.35E-05	1.80E-05	5.93E-05	4.09E-06
5337	470146.78	3819909.03	2.09E-04	8.77E-04	7.90E-05	1.74E-04	6.44E-04	5.67E-05	1.97E-05	1.13E-04	1.35E-05	1.79E-05	5.91E-05	4.08E-06
5338	470156.48	3819909.17	2.08E-04	8.72E-04	7.85E-05	1.73E-04	6.41E-04	5.64E-05	1.96E-05	1.12E-04	1.34E-05	1.78E-05	5.88E-05	4.05E-06
5339	470166.18	3819909.3	2.06E-04	8.66E-04	7.80E-05	1.72E-04	6.36E-04	5.60E-05	1.95E-05	1.11E-04	1.33E-05	1.77E-05	5.84E-05	4.02E-06
5340	470175.87	3819909.44	2.04E-04	8.59E-04	7.73E-05	1.70E-04	6.31E-04	5.55E-05	1.93E-05	1.11E-04	1.32E-05	1.76E-05	5.79E-05	3.99E-06
5341	470185.57	3819909.57	2.02E-04	8.50E-04	7.66E-05	1.69E-04	6.25E-04	5.50E-05	1.91E-05	1.09E-04	1.31E-05	1.74E-05	5.73E-05	3.95E-06
5342	470195.27	3819909.71	2.00E-04	8.41E-04	7.57E-05	1.67E-04	6.18E-04	5.43E-05	1.89E-05	1.08E-04	1.29E-05	1.72E-05	5.67E-05	3.91E-06
5343	470204.97	3819909.84	1.98E-04	8.30E-04	7.48E-05	1.65E-04	6.10E-04	5.37E-05	1.87E-05	1.07E-04	1.27E-05	1.70E-05	5.59E-05	3.86E-06
5344	470214.66	3819909.98	1.95E-04	8.18E-04	7.37E-05	1.62E-04	6.01E-04	5.29E-05	1.84E-05	1.05E-04	1.26E-05	1.67E-05	5.52E-05	3.80E-06
5345	470224.36	3819910.11	1.92E-04	8.06E-04	7.26E-05	1.60E-04	5.92E-04	5.21E-05	1.81E-05	1.04E-04	1.24E-05	1.65E-05	5.43E-05	3.75E-06
5346	470234.06	3819910.25	1.89E-04	7.93E-04	7.15E-05	1.57E-04	5.83E-04	5.13E-05	1.78E-05	1.02E-04	1.22E-05	1.62E-05	5.35E-05	3.69E-06
5347	470243.76	3819910.38	1.86E-04	7.81E-04	7.03E-05	1.55E-04	5.74E-04	5.05E-05	1.76E-05	1.00E-04	1.20E-05	1.60E-05	5.26E-05	3.63E-06
5348	470253.45	3819910.52	1.83E-04	7.67E-04	6.91E-05	1.52E-04	5.64E-04	4.96E-05	1.73E-05	9.88E-05	1.18E-05	1.57E-05	5.17E-05	3.57E-06
5349	470263.15	3819910.65	1.80E-04	7.54E-04	6.79E-05	1.50E-04	5.54E-04	4.87E-05	1.70E-05	9.70E-05	1.16E-05	1.54E-05	5.08E-05	3.50E-06
5350	470088.93	3819944.54	1.87E-04	7.84E-04	7.06E-05	1.55E-04	5.76E-04	5.07E-05	1.76E-05	1.01E-04	1.20E-05	1.60E-05	5.28E-05	3.64E-06
5351	470080.11	3819940.73	1.88E-04	7.89E-04	7.11E-05	1.57E-04	5.80E-04	5.10E-05	1.77E-05	1.02E-04	1.21E-05	1.61E-05	5.32E-05	3.67E-06
5352	470071.3	3819936.92	1.89E-04	7.93E-04	7.14E-05	1.57E-04	5.83E-04	5.13E-05	1.78E-05	1.02E-04	1.22E-05	1.62E-05	5.34E-05	3.68E-06
5353	470062.49	3819933.11	1.89E-04	7.96E-04	7.17E-05	1.58E-04	5.85E-04	5.14E-05	1.79E-05	1.02E-04	1.22E-05	1.63E-05	5.36E-05	3.70E-06
5354	469608.31	3819447.33	3.09E-05	1.30E-04	1.17E-05	2.58E-05	9.55E-05	8.40E-06	2.92E-06	1.67E-05	2.00E-06	2.66E-06	8.76E-06	6.04E-07
5355	470097.74	3819948.35	1.85E-04	7.78E-04	7.00E-05	1.54E-04	5.71E-04	5.03E-05	1.75E-05	1.00E-04	1.19E-05	1.59E-05	5.24E-05	3.61E-06
5356	470107.44	3819948.49	1.85E-04	7.79E-04	7.01E-05	1.54E-04	5.72E-04	5.03E-05	1.75E-05	1.00E-04	1.20E-05	1.59E-05	5.25E-05	3.62E-06
5357	470117.13	3819948.62	1.85E-04	7.79E-04	7.02E-05	1.55E-04	5.72E-04	5.04E-05	1.75E-05	1.00E-04	1.20E-05	1.59E-05	5.25E-05	3.62E-06
5358	470126.83	3819948.76	1.85E-04	7.78E-04	7.00E-05	1.54E-04	5.72E-04	5.03E-05	1.75E-05	1.00E-04	1.19E-05	1.59E-05	5.24E-05	3.61E-06
5359	470136.53	3819948.89	1.85E-04	7.76E-04	6.98E-05	1.54E-04	5.70E-04	5.01E-05	1.74E-05	9.98E-05	1.19E-05	1.59E-05	5.23E-05	3.60E-06
5360	470146.23	3819949.03	1.84E-04	7.72E-04	6.95E-05	1.53E-04	5.67E-04	4.99E-05	1.74E-05	9.94E-05	1.19E-05	1.58E-05	5.20E-05	3.59E-06
5361	470155.92	3819949.16	1.83E-04	7.67E-04	6.91E-05	1.52E-04	5.64E-04	4.96E-05	1.73E-05	9.88E-05	1.18E-05	1.57E-05	5.17E-05	3.57E-06
5362	470165.62	3819949.3	1.81E-04	7.62E-04	6.86E-05	1.51E-04	5.60E-04	4.92E-05	1.71E-05	9.81E-05	1.17E-05	1.56E-05	5.13E-05	3.54E-06
5363	470175.32	3819949.43	1.80E-04	7.55E-04	6.80E-05	1.50E-04	5.55E-04	4.88E-05	1.70E-05	9.72E-05	1.16E-05	1.54E-05	5.09E-05	3.51E-06
5364	470185.01	3819949.57	1.78E-04	7.48E-04	6.73E-05	1.48E-04	5.50E-04	4.83E-05	1.68E-05	9.63E-05	1.15E-05	1.53E-05	5.04E-05	3.47E-06
5365	470194.71	3819949.7	1.76E-04	7.40E-04	6.66E-05	1.47E-04	5.44E-04	4.78E-05	1.66E-05	9.52E-05	1.14E-05	1.51E-05	4.99E-05	3.44E-06
5366	470204.41	3819949.84	1.74E-04	7.31E-04	6.58E-05	1.45E-04	5.37E-04	4.72E-05	1.64E-05	9.41E-05	1.12E-05	1.49E-05	4.93E-05	3.40E-06
5367	470214.11	3819949.97	1.72E-04	7.21E-04	6.50E-05	1.43E-04	5.30E-04	4.66E-05	1.62E-05	9.29E-05	1.11E-05	1.47E-05	4.86E-05	3.35E-06
5368	470223.8	3819950.11	1.69E-04	7.12E-04	6.41E-05	1.41E-04	5.23E-04	4.60E-05	1.60E-05	9.16E-05	1.09E-05	1.45E-05	4.80E-05	3.31E-06
5369	470233.5	3819950.24	1.67E-04	7.01E-04	6.31E-05	1.39E-04	5.15E-04	4.53E-05	1.58E-05	9.03E-05	1.08E-05	1.43E-05	4.73E-05	3.26E-06
5370	470243.2	3819950.38	1.64E-04	6.90E-04	6.22E-05	1.37E-04	5.07E-04	4.46E-05	1.55E-05	8.88E-05	1.06E-05	1.41E-05	4.65E-05	3.21E-06
5371	470252.9	3819950.51	1.62E-04	6.79E-04	6.11E-05	1.35E-04	4.99E-04	4.39E-05	1.53E-05	8.74E-05	1.04E-05	1.39E-05	4.58E-05	3.15E-06

5372	470262.59	3819950.65	1.59E-04	6.68E-04	6.01E-05	1.32E-04	4.91E-04	4.32E-05	1.50E-05	8.59E-05	1.03E-05	1.36E-05	4.50E-05	3.10E-06
5373	470088.33	3819984.52	1.66E-04	6.98E-04	6.29E-05	1.38E-04	5.13E-04	4.51E-05	1.57E-05	8.99E-05	1.07E-05	1.43E-05	4.71E-05	3.24E-06
5374	470079.47	3819980.69	1.67E-04	7.03E-04	6.33E-05	1.39E-04	5.17E-04	4.55E-05	1.58E-05	9.05E-05	1.08E-05	1.44E-05	4.74E-05	3.27E-06
5375	470070.62	3819976.86	1.68E-04	7.07E-04	6.37E-05	1.40E-04	5.20E-04	4.57E-05	1.59E-05	9.11E-05	1.09E-05	1.45E-05	4.77E-05	3.29E-06
5376	470061.76	3819973.03	1.69E-04	7.11E-04	6.40E-05	1.41E-04	5.22E-04	4.59E-05	1.60E-05	9.15E-05	1.09E-05	1.45E-05	4.79E-05	3.30E-06
5377	469607.12	3819545.34	4.32E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.08E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.42E-07
5378	469603.6	3819536.36	4.12E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.23E-05	2.66E-06	3.54E-06	1.17E-05	8.04E-07
5379	469600.07	3819527.38	3.93E-05	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.66E-07
5380	469596.54	3819518.4	3.75E-05	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.32E-07
5381	469593.02	3819509.42	3.58E-05	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.71E-06	3.38E-06	1.93E-05	2.31E-06	3.07E-06	1.01E-05	6.98E-07
5382	469589.49	3819500.45	3.42E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.23E-06	1.85E-05	2.20E-06	2.93E-06	9.67E-06	6.66E-07
5383	469585.97	3819491.47	3.26E-05	1.37E-04	1.23E-05	2.72E-05	1.01E-04	8.85E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.23E-06	6.36E-07
5384	469582.44	3819482.49	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.60E-05	8.44E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.81E-06	6.07E-07
5385	469578.91	3819473.51	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.17E-05	8.06E-06	2.80E-06	1.61E-05	1.92E-06	2.55E-06	8.41E-06	5.80E-07
5386	469575.39	3819464.53	2.84E-05	1.19E-04	1.07E-05	2.36E-05	8.75E-05	7.70E-06	2.68E-06	1.53E-05	1.83E-06	2.44E-06	8.03E-06	5.54E-07
5387	469571.86	3819455.55	2.71E-05	1.14E-04	1.03E-05	2.26E-05	8.37E-05	7.36E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.67E-06	5.29E-07
5388	469568.33	3819446.57	2.59E-05	1.09E-04	9.80E-06	2.16E-05	8.00E-05	7.03E-06	2.45E-06	1.40E-05	1.67E-06	2.22E-06	7.34E-06	5.06E-07
5389	470097.18	3819988.35	1.65E-04	6.92E-04	6.23E-05	1.37E-04	5.09E-04	4.48E-05	1.56E-05	8.91E-05	1.06E-05	1.42E-05	4.67E-05	3.22E-06
5390	470106.88	3819988.48	1.65E-04	6.93E-04	6.24E-05	1.37E-04	5.09E-04	4.48E-05	1.56E-05	8.92E-05	1.06E-05	1.42E-05	4.67E-05	3.22E-06
5391	470116.58	3819988.62	1.65E-04	6.92E-04	6.23E-05	1.37E-04	5.09E-04	4.47E-05	1.56E-05	8.91E-05	1.06E-05	1.41E-05	4.66E-05	3.22E-06
5392	470126.27	3819988.75	1.64E-04	6.91E-04	6.22E-05	1.37E-04	5.07E-04	4.46E-05	1.55E-05	8.89E-05	1.06E-05	1.41E-05	4.66E-05	3.21E-06
5393	470135.97	3819988.89	1.64E-04	6.88E-04	6.20E-05	1.37E-04	5.06E-04	4.45E-05	1.55E-05	8.86E-05	1.06E-05	1.41E-05	4.64E-05	3.20E-06
5394	470145.67	3819989.02	1.63E-04	6.85E-04	6.17E-05	1.36E-04	5.03E-04	4.43E-05	1.54E-05	8.82E-05	1.05E-05	1.40E-05	4.62E-05	3.18E-06
5395	470155.37	3819989.16	1.62E-04	6.81E-04	6.13E-05	1.35E-04	5.00E-04	4.40E-05	1.53E-05	8.76E-05	1.05E-05	1.39E-05	4.59E-05	3.16E-06
5396	470165.06	3819989.29	1.61E-04	6.75E-04	6.08E-05	1.34E-04	4.96E-04	4.37E-05	1.52E-05	8.69E-05	1.04E-05	1.38E-05	4.55E-05	3.14E-06
5397	470174.76	3819989.43	1.59E-04	6.70E-04	6.03E-05	1.33E-04	4.92E-04	4.33E-05	1.51E-05	8.62E-05	1.03E-05	1.37E-05	4.51E-05	3.11E-06
5398	470184.46	3819989.56	1.58E-04	6.63E-04	5.97E-05	1.32E-04	4.87E-04	4.29E-05	1.49E-05	8.54E-05	1.02E-05	1.36E-05	4.47E-05	3.08E-06
5399	470194.16	3819989.7	1.56E-04	6.56E-04	5.91E-05	1.30E-04	4.82E-04	4.24E-05	1.48E-05	8.45E-05	1.01E-05	1.34E-05	4.42E-05	3.05E-06
5400	470203.85	3819989.83	1.54E-04	6.48E-04	5.84E-05	1.29E-04	4.77E-04	4.19E-05	1.46E-05	8.35E-05	9.96E-06	1.33E-05	4.37E-05	3.01E-06
5401	470213.55	3819989.97	1.53E-04	6.40E-04	5.77E-05	1.27E-04	4.71E-04	4.14E-05	1.44E-05	8.24E-05	9.84E-06	1.31E-05	4.32E-05	2.98E-06
5402	470223.25	3819990.1	1.51E-04	6.32E-04	5.69E-05	1.25E-04	4.64E-04	4.09E-05	1.42E-05	8.14E-05	9.71E-06	1.29E-05	4.26E-05	2.94E-06
5403	470232.94	3819990.24	1.48E-04	6.23E-04	5.61E-05	1.24E-04	4.58E-04	4.03E-05	1.40E-05	8.02E-05	9.57E-06	1.27E-05	4.20E-05	2.90E-06
5404	470242.64	3819990.37	1.46E-04	6.14E-04	5.53E-05	1.22E-04	4.51E-04	3.97E-05	1.38E-05	7.91E-05	9.43E-06	1.26E-05	4.14E-05	2.85E-06
5405	470252.34	3819990.51	1.44E-04	6.05E-04	5.45E-05	1.20E-04	4.45E-04	3.91E-05	1.36E-05	7.79E-05	9.29E-06	1.24E-05	4.08E-05	2.81E-06
5406	470262.04	3819990.64	1.42E-04	5.96E-04	5.36E-05	1.18E-04	4.38E-04	3.85E-05	1.34E-05	7.67E-05	9.15E-06	1.22E-05	4.01E-05	2.77E-06
5407	470069.96	3820016.81	1.51E-04	6.36E-04	5.73E-05	1.26E-04	4.67E-04	4.11E-05	1.43E-05	8.19E-05	9.77E-06	1.30E-05	4.29E-05	2.96E-06
5408	470061.07	3820012.97	1.52E-04	6.39E-04	5.76E-05	1.27E-04	4.70E-04	4.13E-05	1.44E-05	8.23E-05	9.82E-06	1.31E-05	4.31E-05	2.97E-06
5409	469595.63	3819617.1	5.01E-05	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.73E-06	2.71E-05	3.23E-06	4.30E-06	1.42E-05	9.78E-07
5410	469592.09	3819608.08	4.82E-05	2.02E-04	1.82E-05	4.01E-05	1.49E-04	1.31E-05	4.55E-06	2.60E-05	3.11E-06	4.13E-06	1.36E-05	9.40E-07
5411	469588.54	3819599.07	4.62E-05	1.94E-04	1.75E-05	3.85E-05	1.43E-04	1.25E-05	4.37E-06	2.50E-05	2.98E-06	3.97E-06	1.31E-05	9.02E-07
5412	469585	3819590.05	4.43E-05	1.86E-04	1.68E-05	3.69E-05	1.37E-04	1.20E-05	4.19E-06	2.40E-05	2.86E-06	3.81E-06	1.26E-05	8.65E-07
5413	469581.46	3819581.04	4.25E-05	1.79E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.02E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.30E-07
5414	469577.92	3819572.02	4.08E-05	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.20E-05	2.63E-06	3.50E-06	1.15E-05	7.96E-07

5415	469574.38	3819563.01	3.91E-05	1.64E-04	1.48E-05	3.25E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.35E-06	1.11E-05	7.62E-07
5416	469570.84	3819553.99	3.74E-05	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.53E-06	2.02E-05	2.41E-06	3.21E-06	1.06E-05	7.29E-07
5417	469567.3	3819544.98	3.58E-05	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.71E-06	3.38E-06	1.93E-05	2.31E-06	3.07E-06	1.01E-05	6.98E-07
5418	469563.76	3819535.96	3.42E-05	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.28E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.68E-06	6.67E-07
5419	469560.22	3819526.94	3.27E-05	1.37E-04	1.24E-05	2.72E-05	1.01E-04	8.88E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.26E-06	6.38E-07
5420	469556.68	3819517.93	3.13E-05	1.31E-04	1.18E-05	2.60E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.68E-06	8.85E-06	6.10E-07
5421	469553.14	3819508.91	2.99E-05	1.26E-04	1.13E-05	2.49E-05	9.22E-05	8.11E-06	2.82E-06	1.62E-05	1.93E-06	2.57E-06	8.46E-06	5.83E-07
5422	469549.6	3819499.9	2.86E-05	1.20E-04	1.08E-05	2.38E-05	8.82E-05	7.76E-06	2.70E-06	1.55E-05	1.84E-06	2.45E-06	8.09E-06	5.58E-07
5423	469546.06	3819490.88	2.73E-05	1.15E-04	1.03E-05	2.28E-05	8.43E-05	7.42E-06	2.58E-06	1.48E-05	1.76E-06	2.35E-06	7.74E-06	5.33E-07
5424	469542.52	3819481.87	2.61E-05	1.10E-04	9.89E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.24E-06	7.40E-06	5.10E-07
5425	469538.98	3819472.85	2.50E-05	1.05E-04	9.46E-06	2.08E-05	7.72E-05	6.79E-06	2.36E-06	1.35E-05	1.61E-06	2.15E-06	7.08E-06	4.88E-07
5426	469535.44	3819463.84	2.40E-05	1.01E-04	9.06E-06	2.00E-05	7.39E-05	6.50E-06	2.26E-06	1.29E-05	1.54E-06	2.06E-06	6.78E-06	4.67E-07
5427	469531.9	3819454.82	2.29E-05	9.64E-05	8.68E-06	1.91E-05	7.08E-05	6.23E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.50E-06	4.48E-07
5428	469528.36	3819445.8	2.20E-05	9.24E-05	8.32E-06	1.83E-05	6.79E-05	5.97E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.23E-06	4.29E-07
5429	470087.33	3820064.56	1.35E-04	5.66E-04	5.10E-05	1.12E-04	4.16E-04	3.66E-05	1.27E-05	7.29E-05	8.70E-06	1.16E-05	3.82E-05	2.63E-06
5430	470078.58	3820060.78	1.36E-04	5.71E-04	5.14E-05	1.13E-04	4.19E-04	3.69E-05	1.28E-05	7.35E-05	8.77E-06	1.17E-05	3.85E-05	2.65E-06
5431	470069.84	3820057	1.37E-04	5.75E-04	5.18E-05	1.14E-04	4.22E-04	3.71E-05	1.29E-05	7.40E-05	8.83E-06	1.17E-05	3.87E-05	2.67E-06
5432	470061.1	3820053.22	1.38E-04	5.78E-04	5.20E-05	1.15E-04	4.25E-04	3.74E-05	1.30E-05	7.44E-05	8.88E-06	1.18E-05	3.89E-05	2.68E-06
5433	470052.35	3820049.44	1.38E-04	5.80E-04	5.23E-05	1.15E-04	4.26E-04	3.75E-05	1.31E-05	7.47E-05	8.91E-06	1.19E-05	3.91E-05	2.70E-06
5434	469667.66	3819883.08	8.03E-05	3.37E-04	3.04E-05	6.68E-05	2.48E-04	2.18E-05	7.58E-06	4.34E-05	5.18E-06	6.89E-06	2.27E-05	1.57E-06
5435	469655.44	3819870.44	7.80E-05	3.28E-04	2.95E-05	6.50E-05	2.41E-04	2.12E-05	7.37E-06	4.22E-05	5.03E-06	6.70E-06	2.21E-05	1.52E-06
5436	469651.95	3819861.57	7.76E-05	3.26E-04	2.93E-05	6.46E-05	2.39E-04	2.11E-05	7.33E-06	4.19E-05	5.00E-06	6.66E-06	2.20E-05	1.51E-06
5437	469648.47	3819852.7	7.70E-05	3.24E-04	2.91E-05	6.42E-05	2.38E-04	2.09E-05	7.27E-06	4.16E-05	4.97E-06	6.61E-06	2.18E-05	1.50E-06
5438	469644.99	3819843.84	7.64E-05	3.21E-04	2.89E-05	6.37E-05	2.36E-04	2.07E-05	7.22E-06	4.13E-05	4.93E-06	6.56E-06	2.16E-05	1.49E-06
5439	469557.94	3819622.18	4.28E-05	1.80E-04	1.62E-05	3.56E-05	1.32E-04	1.16E-05	4.04E-06	2.31E-05	2.76E-06	3.67E-06	1.21E-05	8.35E-07
5440	469554.46	3819613.31	4.12E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.23E-05	2.66E-06	3.54E-06	1.17E-05	8.04E-07
5441	469550.98	3819604.45	3.96E-05	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.08E-05	3.74E-06	2.14E-05	2.56E-06	3.40E-06	1.12E-05	7.73E-07
5442	469547.5	3819595.58	3.81E-05	1.60E-04	1.44E-05	3.17E-05	1.18E-04	1.03E-05	3.60E-06	2.06E-05	2.46E-06	3.27E-06	1.08E-05	7.43E-07
5443	469544.02	3819586.72	3.66E-05	1.54E-04	1.38E-05	3.05E-05	1.13E-04	9.93E-06	3.46E-06	1.98E-05	2.36E-06	3.14E-06	1.04E-05	7.14E-07
5444	469540.53	3819577.85	3.51E-05	1.48E-04	1.33E-05	2.93E-05	1.08E-04	9.54E-06	3.32E-06	1.90E-05	2.27E-06	3.02E-06	9.94E-06	6.85E-07
5445	469537.05	3819568.98	3.37E-05	1.42E-04	1.27E-05	2.81E-05	1.04E-04	9.15E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.54E-06	6.58E-07
5446	469533.57	3819560.12	3.23E-05	1.36E-04	1.22E-05	2.69E-05	9.97E-05	8.77E-06	3.05E-06	1.75E-05	2.08E-06	2.77E-06	9.14E-06	6.30E-07
5447	469530.09	3819551.25	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.55E-05	8.40E-06	2.92E-06	1.67E-05	2.00E-06	2.66E-06	8.76E-06	6.04E-07
5448	469526.61	3819542.38	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.15E-05	8.05E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.39E-06	5.79E-07
5449	469523.12	3819533.52	2.84E-05	1.19E-04	1.07E-05	2.37E-05	8.77E-05	7.71E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.04E-06	5.54E-07
5450	469519.64	3819524.65	2.72E-05	1.14E-04	1.03E-05	2.27E-05	8.39E-05	7.38E-06	2.57E-06	1.47E-05	1.75E-06	2.34E-06	7.70E-06	5.31E-07
5451	469516.16	3819515.79	2.61E-05	1.09E-04	9.86E-06	2.17E-05	8.04E-05	7.08E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.38E-06	5.09E-07
5452	469512.68	3819506.92	2.50E-05	1.05E-04	9.44E-06	2.08E-05	7.70E-05	6.78E-06	2.36E-06	1.35E-05	1.61E-06	2.14E-06	7.07E-06	4.87E-07
5453	469509.2	3819498.05	2.39E-05	1.00E-04	9.05E-06	1.99E-05	7.38E-05	6.50E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.77E-06	4.67E-07
5454	469505.72	3819489.19	2.30E-05	9.65E-05	8.69E-06	1.91E-05	7.09E-05	6.24E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.50E-06	4.48E-07
5455	469502.23	3819480.32	2.21E-05	9.26E-05	8.34E-06	1.84E-05	6.81E-05	5.99E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.24E-06	4.30E-07
5456	469498.75	3819471.45	2.12E-05	8.90E-05	8.02E-06	1.77E-05	6.54E-05	5.75E-06	2.00E-06	1.15E-05	1.37E-06	1.82E-06	6.00E-06	4.14E-07
5457	469495.27	3819462.59	2.04E-05	8.55E-05	7.70E-06	1.70E-05	6.28E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.76E-06	3.97E-07

5458	469491.79	3819453.72	1.96E-05	8.21E-05	7.39E-06	1.63E-05	6.03E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.53E-06	3.81E-07
5459	469488.31	3819444.85	1.88E-05	7.89E-05	7.11E-06	1.57E-05	5.80E-05	5.10E-06	1.77E-06	1.02E-05	1.21E-06	1.61E-06	5.32E-06	3.67E-07
5460	470096.07	3820068.34	1.34E-04	5.61E-04	5.05E-05	1.11E-04	4.12E-04	3.63E-05	1.26E-05	7.22E-05	8.62E-06	1.15E-05	3.78E-05	2.61E-06
5461	470105.77	3820068.47	1.33E-04	5.61E-04	5.05E-05	1.11E-04	4.12E-04	3.62E-05	1.26E-05	7.22E-05	8.61E-06	1.15E-05	3.78E-05	2.60E-06
5462	470115.46	3820068.61	1.33E-04	5.59E-04	5.04E-05	1.11E-04	4.11E-04	3.62E-05	1.26E-05	7.20E-05	8.59E-06	1.14E-05	3.77E-05	2.60E-06
5463	470125.16	3820068.74	1.33E-04	5.57E-04	5.02E-05	1.11E-04	4.10E-04	3.60E-05	1.25E-05	7.17E-05	8.56E-06	1.14E-05	3.76E-05	2.59E-06
5464	470134.86	3820068.88	1.32E-04	5.55E-04	5.00E-05	1.10E-04	4.08E-04	3.59E-05	1.25E-05	7.14E-05	8.52E-06	1.13E-05	3.74E-05	2.58E-06
5465	470144.56	3820069.01	1.31E-04	5.51E-04	4.97E-05	1.09E-04	4.05E-04	3.56E-05	1.24E-05	7.10E-05	8.47E-06	1.13E-05	3.72E-05	2.56E-06
5466	470154.25	3820069.15	1.30E-04	5.47E-04	4.93E-05	1.09E-04	4.02E-04	3.54E-05	1.23E-05	7.05E-05	8.41E-06	1.12E-05	3.69E-05	2.54E-06
5467	470163.95	3820069.28	1.29E-04	5.43E-04	4.89E-05	1.08E-04	3.99E-04	3.51E-05	1.22E-05	6.99E-05	8.34E-06	1.11E-05	3.66E-05	2.52E-06
5468	470173.65	3820069.42	1.28E-04	5.38E-04	4.85E-05	1.07E-04	3.95E-04	3.48E-05	1.21E-05	6.93E-05	8.27E-06	1.10E-05	3.63E-05	2.50E-06
5469	470183.34	3820069.55	1.27E-04	5.33E-04	4.80E-05	1.06E-04	3.92E-04	3.45E-05	1.20E-05	6.86E-05	8.19E-06	1.09E-05	3.59E-05	2.48E-06
5470	470193.04	3820069.69	1.26E-04	5.28E-04	4.75E-05	1.05E-04	3.88E-04	3.41E-05	1.19E-05	6.79E-05	8.10E-06	1.08E-05	3.56E-05	2.45E-06
5471	470202.74	3820069.82	1.24E-04	5.22E-04	4.70E-05	1.03E-04	3.83E-04	3.37E-05	1.17E-05	6.72E-05	8.01E-06	1.07E-05	3.52E-05	2.42E-06
5472	470212.44	3820069.96	1.23E-04	5.16E-04	4.64E-05	1.02E-04	3.79E-04	3.33E-05	1.16E-05	6.64E-05	7.92E-06	1.05E-05	3.47E-05	2.40E-06
5473	470222.13	3820070.09	1.21E-04	5.09E-04	4.58E-05	1.01E-04	3.74E-04	3.29E-05	1.14E-05	6.55E-05	7.82E-06	1.04E-05	3.43E-05	2.37E-06
5474	470231.83	3820070.23	1.20E-04	5.02E-04	4.53E-05	9.97E-05	3.69E-04	3.25E-05	1.13E-05	6.47E-05	7.72E-06	1.03E-05	3.39E-05	2.33E-06
5475	470241.53	3820070.36	1.18E-04	4.96E-04	4.47E-05	9.84E-05	3.64E-04	3.21E-05	1.12E-05	6.38E-05	7.62E-06	1.01E-05	3.34E-05	2.30E-06
5476	470251.23	3820070.5	1.17E-04	4.89E-04	4.41E-05	9.70E-05	3.60E-04	3.16E-05	1.10E-05	6.30E-05	7.52E-06	1.00E-05	3.30E-05	2.27E-06
5477	470260.92	3820070.63	1.15E-04	4.83E-04	4.35E-05	9.57E-05	3.55E-04	3.12E-05	1.09E-05	6.21E-05	7.41E-06	9.87E-06	3.25E-05	2.24E-06
5478	470086.73	3820104.54	1.22E-04	5.14E-04	4.63E-05	1.02E-04	3.78E-04	3.32E-05	1.16E-05	6.62E-05	7.90E-06	1.05E-05	3.47E-05	2.39E-06
5479	470077.95	3820100.74	1.23E-04	5.18E-04	4.67E-05	1.03E-04	3.81E-04	3.35E-05	1.17E-05	6.67E-05	7.96E-06	1.06E-05	3.49E-05	2.41E-06
5480	470069.17	3820096.95	1.24E-04	5.22E-04	4.70E-05	1.04E-04	3.84E-04	3.38E-05	1.17E-05	6.72E-05	8.02E-06	1.07E-05	3.52E-05	2.43E-06
5481	470060.39	3820093.15	1.25E-04	5.26E-04	4.73E-05	1.04E-04	3.86E-04	3.40E-05	1.18E-05	6.76E-05	8.07E-06	1.07E-05	3.54E-05	2.44E-06
5482	470051.61	3820089.35	1.26E-04	5.28E-04	4.76E-05	1.05E-04	3.88E-04	3.41E-05	1.19E-05	6.80E-05	8.11E-06	1.08E-05	3.56E-05	2.45E-06
5483	470042.83	3820085.56	1.26E-04	5.30E-04	4.77E-05	1.05E-04	3.90E-04	3.43E-05	1.19E-05	6.82E-05	8.14E-06	1.08E-05	3.57E-05	2.46E-06
5484	470034.05	3820081.76	1.27E-04	5.32E-04	4.79E-05	1.05E-04	3.91E-04	3.44E-05	1.20E-05	6.84E-05	8.16E-06	1.09E-05	3.58E-05	2.47E-06
5485	470025.27	3820077.96	1.27E-04	5.32E-04	4.79E-05	1.06E-04	3.91E-04	3.44E-05	1.20E-05	6.85E-05	8.18E-06	1.09E-05	3.59E-05	2.47E-06
5486	470016.49	3820074.16	1.27E-04	5.33E-04	4.80E-05	1.06E-04	3.91E-04	3.44E-05	1.20E-05	6.86E-05	8.18E-06	1.09E-05	3.59E-05	2.47E-06
5487	470007.71	3820070.37	1.27E-04	5.32E-04	4.79E-05	1.06E-04	3.91E-04	3.44E-05	1.20E-05	6.85E-05	8.17E-06	1.09E-05	3.59E-05	2.47E-06
5488	469998.93	3820066.57	1.27E-04	5.31E-04	4.78E-05	1.05E-04	3.90E-04	3.43E-05	1.19E-05	6.84E-05	8.16E-06	1.09E-05	3.58E-05	2.47E-06
5489	469990.15	3820062.77	1.26E-04	5.30E-04	4.77E-05	1.05E-04	3.89E-04	3.42E-05	1.19E-05	6.82E-05	8.14E-06	1.08E-05	3.57E-05	2.46E-06
5490	469981.37	3820058.98	1.26E-04	5.28E-04	4.75E-05	1.05E-04	3.88E-04	3.41E-05	1.19E-05	6.79E-05	8.10E-06	1.08E-05	3.56E-05	2.45E-06
5491	469972.59	3820055.18	1.25E-04	5.25E-04	4.73E-05	1.04E-04	3.86E-04	3.39E-05	1.18E-05	6.76E-05	8.06E-06	1.07E-05	3.54E-05	2.44E-06
5492	469963.81	3820051.38	1.24E-04	5.22E-04	4.70E-05	1.04E-04	3.84E-04	3.37E-05	1.17E-05	6.72E-05	8.02E-06	1.07E-05	3.52E-05	2.43E-06
5493	469665.28	3819922.29	7.74E-05	3.25E-04	2.93E-05	6.45E-05	2.39E-04	2.10E-05	7.31E-06	4.18E-05	4.99E-06	6.64E-06	2.19E-05	1.51E-06
5494	469656.5	3819918.49	7.59E-05	3.19E-04	2.87E-05	6.32E-05	2.34E-04	2.06E-05	7.16E-06	4.10E-05	4.89E-06	6.51E-06	2.15E-05	1.48E-06
5495	469647.72	3819914.7	7.43E-05	3.12E-04	2.81E-05	6.19E-05	2.29E-04	2.02E-05	7.02E-06	4.02E-05	4.79E-06	6.38E-06	2.10E-05	1.45E-06
5496	469638.94	3819910.9	7.28E-05	3.06E-04	2.75E-05	6.06E-05	2.25E-04	1.98E-05	6.87E-06	3.93E-05	4.69E-06	6.25E-06	2.06E-05	1.42E-06
5497	469626.66	3819898.2	7.09E-05	2.98E-04	2.68E-05	5.90E-05	2.19E-04	1.92E-05	6.69E-06	3.83E-05	4.57E-06	6.08E-06	2.01E-05	1.38E-06
5498	469623.16	3819889.3	7.05E-05	2.96E-04	2.66E-05	5.87E-05	2.17E-04	1.91E-05	6.65E-06	3.81E-05	4.54E-06	6.05E-06	1.99E-05	1.37E-06
5499	469619.67	3819880.39	7.00E-05	2.94E-04	2.65E-05	5.83E-05	2.16E-04	1.90E-05	6.61E-06	3.78E-05	4.51E-06	6.01E-06	1.98E-05	1.37E-06
5500	469616.17	3819871.49	6.95E-05	2.92E-04	2.63E-05	5.78E-05	2.14E-04	1.89E-05	6.56E-06	3.75E-05	4.48E-06	5.96E-06	1.97E-05	1.36E-06

5501	469612.67	3819862.58	6.89E-05	2.89E-04	2.60E-05	5.74E-05	2.12E-04	1.87E-05	6.50E-06	3.72E-05	4.44E-06	5.91E-06	1.95E-05	1.34E-06
5502	469609.18	3819853.68	6.82E-05	2.86E-04	2.58E-05	5.68E-05	2.11E-04	1.85E-05	6.44E-06	3.69E-05	4.40E-06	5.86E-06	1.93E-05	1.33E-06
5503	469605.68	3819844.78	6.75E-05	2.84E-04	2.55E-05	5.62E-05	2.08E-04	1.83E-05	6.38E-06	3.65E-05	4.35E-06	5.80E-06	1.91E-05	1.32E-06
5504	469518.26	3819622.17	3.62E-05	1.52E-04	1.37E-05	3.01E-05	1.12E-04	9.82E-06	3.42E-06	1.96E-05	2.33E-06	3.11E-06	1.02E-05	7.06E-07
5505	469514.77	3819613.27	3.48E-05	1.46E-04	1.32E-05	2.90E-05	1.07E-04	9.45E-06	3.29E-06	1.88E-05	2.24E-06	2.99E-06	9.85E-06	6.79E-07
5506	469511.27	3819604.37	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.48E-06	6.53E-07
5507	469507.77	3819595.46	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.93E-05	8.74E-06	3.04E-06	1.74E-05	2.08E-06	2.76E-06	9.11E-06	6.28E-07
5508	469504.28	3819586.56	3.09E-05	1.30E-04	1.17E-05	2.58E-05	9.55E-05	8.40E-06	2.92E-06	1.67E-05	2.00E-06	2.66E-06	8.76E-06	6.04E-07
5509	469500.78	3819577.65	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.16E-05	8.06E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.40E-06	5.79E-07
5510	469497.28	3819568.75	2.85E-05	1.20E-04	1.08E-05	2.37E-05	8.78E-05	7.73E-06	2.69E-06	1.54E-05	1.84E-06	2.44E-06	8.06E-06	5.55E-07
5511	469493.79	3819559.84	2.73E-05	1.15E-04	1.03E-05	2.27E-05	8.42E-05	7.41E-06	2.58E-06	1.48E-05	1.76E-06	2.34E-06	7.72E-06	5.32E-07
5512	469490.29	3819550.94	2.62E-05	1.10E-04	9.90E-06	2.18E-05	8.08E-05	7.11E-06	2.47E-06	1.41E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
5513	469486.79	3819542.04	2.51E-05	1.06E-04	9.50E-06	2.09E-05	7.75E-05	6.82E-06	2.37E-06	1.36E-05	1.62E-06	2.16E-06	7.11E-06	4.90E-07
5514	469483.3	3819533.13	2.41E-05	1.01E-04	9.12E-06	2.01E-05	7.44E-05	6.55E-06	2.28E-06	1.30E-05	1.56E-06	2.07E-06	6.82E-06	4.70E-07
5515	469479.8	3819524.23	2.31E-05	9.72E-05	8.75E-06	1.93E-05	7.14E-05	6.28E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.55E-06	4.52E-07
5516	469476.3	3819515.32	2.22E-05	9.33E-05	8.40E-06	1.85E-05	6.86E-05	6.03E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.29E-06	4.33E-07
5517	469472.81	3819506.42	2.13E-05	8.96E-05	8.07E-06	1.78E-05	6.58E-05	5.79E-06	2.01E-06	1.15E-05	1.38E-06	1.83E-06	6.04E-06	4.16E-07
5518	469469.31	3819497.52	2.05E-05	8.61E-05	7.75E-06	1.71E-05	6.32E-05	5.56E-06	1.94E-06	1.11E-05	1.32E-06	1.76E-06	5.80E-06	4.00E-07
5519	469465.81	3819488.61	1.97E-05	8.27E-05	7.45E-06	1.64E-05	6.08E-05	5.35E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.57E-06	3.84E-07
5520	469462.32	3819479.71	1.89E-05	7.95E-05	7.16E-06	1.58E-05	5.84E-05	5.14E-06	1.79E-06	1.02E-05	1.22E-06	1.63E-06	5.36E-06	3.70E-07
5521	469458.82	3819470.8	1.82E-05	7.65E-05	6.89E-06	1.52E-05	5.62E-05	4.95E-06	1.72E-06	9.85E-06	1.18E-06	1.56E-06	5.16E-06	3.55E-07
5522	469455.32	3819461.9	1.75E-05	7.36E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.66E-06	9.48E-06	1.13E-06	1.51E-06	4.96E-06	3.42E-07
5523	469451.83	3819453	1.69E-05	7.09E-05	6.39E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.13E-06	1.09E-06	1.45E-06	4.78E-06	3.30E-07
5524	469448.33	3819444.09	1.63E-05	6.84E-05	6.16E-06	1.36E-05	5.02E-05	4.42E-06	1.54E-06	8.80E-06	1.05E-06	1.40E-06	4.61E-06	3.18E-07
5525	470095.51	3820108.34	1.21E-04	5.09E-04	4.59E-05	1.01E-04	3.74E-04	3.29E-05	1.15E-05	6.56E-05	7.82E-06	1.04E-05	3.43E-05	2.37E-06
5526	470105.21	3820108.47	1.21E-04	5.08E-04	4.58E-05	1.01E-04	3.74E-04	3.29E-05	1.14E-05	6.54E-05	7.81E-06	1.04E-05	3.43E-05	2.36E-06
5527	470114.91	3820108.61	1.21E-04	5.07E-04	4.56E-05	1.01E-04	3.72E-04	3.28E-05	1.14E-05	6.52E-05	7.79E-06	1.04E-05	3.42E-05	2.36E-06
5528	470124.6	3820108.74	1.20E-04	5.05E-04	4.55E-05	1.00E-04	3.71E-04	3.26E-05	1.14E-05	6.50E-05	7.75E-06	1.03E-05	3.40E-05	2.35E-06
5529	470134.3	3820108.88	1.20E-04	5.02E-04	4.52E-05	9.96E-05	3.69E-04	3.25E-05	1.13E-05	6.47E-05	7.71E-06	1.03E-05	3.39E-05	2.33E-06
5530	470144	3820109.01	1.19E-04	4.99E-04	4.50E-05	9.90E-05	3.67E-04	3.23E-05	1.12E-05	6.43E-05	7.67E-06	1.02E-05	3.37E-05	2.32E-06
5531	470153.7	3820109.15	1.18E-04	4.96E-04	4.46E-05	9.83E-05	3.64E-04	3.20E-05	1.11E-05	6.38E-05	7.61E-06	1.01E-05	3.34E-05	2.30E-06
5532	470163.39	3820109.28	1.17E-04	4.92E-04	4.43E-05	9.76E-05	3.61E-04	3.18E-05	1.11E-05	6.33E-05	7.55E-06	1.01E-05	3.32E-05	2.29E-06
5533	470173.09	3820109.42	1.16E-04	4.88E-04	4.39E-05	9.67E-05	3.58E-04	3.15E-05	1.10E-05	6.28E-05	7.49E-06	9.97E-06	3.29E-05	2.27E-06
5534	470182.79	3820109.55	1.15E-04	4.83E-04	4.35E-05	9.58E-05	3.55E-04	3.12E-05	1.09E-05	6.22E-05	7.42E-06	9.87E-06	3.25E-05	2.24E-06
5535	470192.48	3820109.69	1.14E-04	4.78E-04	4.30E-05	9.48E-05	3.51E-04	3.09E-05	1.07E-05	6.15E-05	7.34E-06	9.77E-06	3.22E-05	2.22E-06
5536	470202.18	3820109.82	1.13E-04	4.73E-04	4.26E-05	9.37E-05	3.47E-04	3.05E-05	1.06E-05	6.08E-05	7.26E-06	9.66E-06	3.19E-05	2.20E-06
5537	470211.88	3820109.96	1.11E-04	4.67E-04	4.21E-05	9.27E-05	3.43E-04	3.02E-05	1.05E-05	6.01E-05	7.18E-06	9.55E-06	3.15E-05	2.17E-06
5538	470221.58	3820110.09	1.10E-04	4.62E-04	4.16E-05	9.16E-05	3.39E-04	2.98E-05	1.04E-05	5.94E-05	7.09E-06	9.44E-06	3.11E-05	2.15E-06
5539	470231.27	3820110.23	1.09E-04	4.56E-04	4.11E-05	9.05E-05	3.35E-04	2.95E-05	1.03E-05	5.87E-05	7.01E-06	9.32E-06	3.07E-05	2.12E-06
5540	470240.97	3820110.36	1.07E-04	4.50E-04	4.06E-05	8.93E-05	3.31E-04	2.91E-05	1.01E-05	5.80E-05	6.92E-06	9.21E-06	3.04E-05	2.09E-06
5541	470250.67	3820110.5	1.06E-04	4.44E-04	4.00E-05	8.81E-05	3.27E-04	2.87E-05	9.99E-06	5.72E-05	6.83E-06	9.08E-06	3.00E-05	2.06E-06
5542	470260.37	3820110.63	1.04E-04	4.38E-04	3.95E-05	8.70E-05	3.22E-04	2.83E-05	9.86E-06	5.64E-05	6.73E-06	8.96E-06	2.96E-05	2.04E-06
5543	470086.14	3820144.52	1.12E-04	4.69E-04	4.23E-05	9.31E-05	3.45E-04	3.03E-05	1.06E-05	6.04E-05	7.21E-06	9.59E-06	3.16E-05	2.18E-06

5544	470077.33	3820140.71	1.13E-04	4.73E-04	4.26E-05	9.39E-05	3.48E-04	3.06E-05	1.06E-05	6.09E-05	7.27E-06	9.67E-06	3.19E-05	2.20E-06
5545	470068.52	3820136.9	1.14E-04	4.77E-04	4.29E-05	9.46E-05	3.50E-04	3.08E-05	1.07E-05	6.14E-05	7.32E-06	9.75E-06	3.21E-05	2.22E-06
5546	470059.7	3820133.09	1.14E-04	4.80E-04	4.32E-05	9.52E-05	3.53E-04	3.10E-05	1.08E-05	6.18E-05	7.37E-06	9.81E-06	3.24E-05	2.23E-06
5547	470050.89	3820129.28	1.15E-04	4.83E-04	4.35E-05	9.57E-05	3.55E-04	3.12E-05	1.09E-05	6.21E-05	7.41E-06	9.87E-06	3.25E-05	2.24E-06
5548	470042.07	3820125.46	1.15E-04	4.85E-04	4.37E-05	9.61E-05	3.56E-04	3.13E-05	1.09E-05	6.24E-05	7.44E-06	9.91E-06	3.27E-05	2.25E-06
5549	470033.26	3820121.65	1.16E-04	4.86E-04	4.38E-05	9.65E-05	3.57E-04	3.14E-05	1.09E-05	6.26E-05	7.47E-06	9.94E-06	3.28E-05	2.26E-06
5550	470024.45	3820117.84	1.16E-04	4.87E-04	4.39E-05	9.67E-05	3.58E-04	3.15E-05	1.10E-05	6.27E-05	7.49E-06	9.96E-06	3.29E-05	2.26E-06
5551	470015.63	3820114.03	1.16E-04	4.88E-04	4.39E-05	9.68E-05	3.59E-04	3.15E-05	1.10E-05	6.28E-05	7.49E-06	9.97E-06	3.29E-05	2.27E-06
5552	470006.82	3820110.22	1.16E-04	4.88E-04	4.39E-05	9.68E-05	3.59E-04	3.15E-05	1.10E-05	6.28E-05	7.49E-06	9.97E-06	3.29E-05	2.27E-06
5553	469998.01	3820106.41	1.16E-04	4.87E-04	4.39E-05	9.67E-05	3.58E-04	3.15E-05	1.10E-05	6.27E-05	7.49E-06	9.96E-06	3.29E-05	2.26E-06
5554	469989.19	3820102.6	1.16E-04	4.86E-04	4.38E-05	9.65E-05	3.57E-04	3.14E-05	1.09E-05	6.26E-05	7.47E-06	9.94E-06	3.28E-05	2.26E-06
5555	469980.38	3820098.79	1.15E-04	4.85E-04	4.37E-05	9.62E-05	3.56E-04	3.13E-05	1.09E-05	6.24E-05	7.45E-06	9.91E-06	3.27E-05	2.25E-06
5556	469971.57	3820094.98	1.15E-04	4.83E-04	4.35E-05	9.58E-05	3.55E-04	3.12E-05	1.09E-05	6.22E-05	7.42E-06	9.87E-06	3.25E-05	2.24E-06
5557	469962.75	3820091.16	1.14E-04	4.80E-04	4.33E-05	9.53E-05	3.53E-04	3.11E-05	1.08E-05	6.19E-05	7.38E-06	9.82E-06	3.24E-05	2.23E-06
5558	469953.94	3820087.35	1.14E-04	4.78E-04	4.30E-05	9.47E-05	3.51E-04	3.09E-05	1.07E-05	6.15E-05	7.34E-06	9.77E-06	3.22E-05	2.22E-06
5559	469945.13	3820083.54	1.13E-04	4.75E-04	4.27E-05	9.41E-05	3.49E-04	3.07E-05	1.07E-05	6.11E-05	7.29E-06	9.70E-06	3.20E-05	2.20E-06
5560	469936.31	3820079.73	1.12E-04	4.71E-04	4.24E-05	9.34E-05	3.46E-04	3.04E-05	1.06E-05	6.06E-05	7.23E-06	9.63E-06	3.17E-05	2.19E-06
5561	469927.5	3820075.92	1.11E-04	4.67E-04	4.21E-05	9.26E-05	3.43E-04	3.02E-05	1.05E-05	6.01E-05	7.17E-06	9.55E-06	3.15E-05	2.17E-06
5562	469918.68	3820072.11	1.10E-04	4.63E-04	4.17E-05	9.18E-05	3.40E-04	2.99E-05	1.04E-05	5.96E-05	7.11E-06	9.46E-06	3.12E-05	2.15E-06
5563	469909.87	3820068.3	1.09E-04	4.59E-04	4.13E-05	9.10E-05	3.37E-04	2.96E-05	1.03E-05	5.90E-05	7.04E-06	9.37E-06	3.09E-05	2.13E-06
5564	469901.06	3820064.49	1.08E-04	4.54E-04	4.09E-05	9.00E-05	3.34E-04	2.93E-05	1.02E-05	5.84E-05	6.97E-06	9.28E-06	3.06E-05	2.11E-06
5565	469892.24	3820060.67	1.07E-04	4.49E-04	4.05E-05	8.91E-05	3.30E-04	2.90E-05	1.01E-05	5.78E-05	6.90E-06	9.18E-06	3.03E-05	2.09E-06
5566	469883.43	3820056.86	1.06E-04	4.44E-04	4.00E-05	8.81E-05	3.26E-04	2.87E-05	9.99E-06	5.72E-05	6.82E-06	9.08E-06	2.99E-05	2.06E-06
5567	469874.62	3820053.05	1.05E-04	4.39E-04	3.96E-05	8.71E-05	3.23E-04	2.84E-05	9.88E-06	5.65E-05	6.75E-06	8.98E-06	2.96E-05	2.04E-06
5568	469865.8	3820049.24	1.03E-04	4.34E-04	3.91E-05	8.61E-05	3.19E-04	2.81E-05	9.76E-06	5.59E-05	6.67E-06	8.87E-06	2.93E-05	2.02E-06
5569	469671.91	3819965.39	7.56E-05	3.17E-04	2.86E-05	6.29E-05	2.33E-04	2.05E-05	7.13E-06	4.08E-05	4.87E-06	6.49E-06	2.14E-05	1.47E-06
5570	469663.09	3819961.58	7.43E-05	3.12E-04	2.81E-05	6.19E-05	2.29E-04	2.02E-05	7.01E-06	4.01E-05	4.79E-06	6.38E-06	2.10E-05	1.45E-06
5571	469654.28	3819957.77	7.30E-05	3.06E-04	2.76E-05	6.08E-05	2.25E-04	1.98E-05	6.89E-06	3.94E-05	4.71E-06	6.26E-06	2.07E-05	1.42E-06
5572	469645.46	3819953.96	7.16E-05	3.01E-04	2.71E-05	5.97E-05	2.21E-04	1.94E-05	6.77E-06	3.87E-05	4.62E-06	6.15E-06	2.03E-05	1.40E-06
5573	469636.65	3819950.15	7.03E-05	2.95E-04	2.66E-05	5.86E-05	2.17E-04	1.91E-05	6.64E-06	3.80E-05	4.54E-06	6.04E-06	1.99E-05	1.37E-06
5574	469627.84	3819946.34	6.90E-05	2.90E-04	2.61E-05	5.75E-05	2.13E-04	1.87E-05	6.51E-06	3.73E-05	4.45E-06	5.92E-06	1.95E-05	1.35E-06
5575	469619.02	3819942.53	6.77E-05	2.84E-04	2.56E-05	5.63E-05	2.09E-04	1.84E-05	6.39E-06	3.66E-05	4.36E-06	5.81E-06	1.91E-05	1.32E-06
5576	469610.21	3819938.72	6.63E-05	2.78E-04	2.51E-05	5.52E-05	2.05E-04	1.80E-05	6.26E-06	3.58E-05	4.28E-06	5.69E-06	1.88E-05	1.29E-06
5577	469597.89	3819925.97	6.47E-05	2.72E-04	2.45E-05	5.39E-05	2.00E-04	1.76E-05	6.11E-06	3.50E-05	4.17E-06	5.55E-06	1.83E-05	1.26E-06
5578	469594.38	3819917.03	6.43E-05	2.70E-04	2.43E-05	5.36E-05	1.98E-04	1.75E-05	6.07E-06	3.48E-05	4.15E-06	5.52E-06	1.82E-05	1.25E-06
5579	469590.87	3819908.09	6.39E-05	2.68E-04	2.42E-05	5.32E-05	1.97E-04	1.73E-05	6.03E-06	3.45E-05	4.12E-06	5.49E-06	1.81E-05	1.25E-06
5580	469587.36	3819899.15	6.34E-05	2.66E-04	2.40E-05	5.28E-05	1.96E-04	1.72E-05	5.99E-06	3.43E-05	4.09E-06	5.45E-06	1.80E-05	1.24E-06
5581	469583.85	3819890.21	6.29E-05	2.64E-04	2.38E-05	5.24E-05	1.94E-04	1.71E-05	5.94E-06	3.40E-05	4.06E-06	5.40E-06	1.78E-05	1.23E-06
5582	469580.34	3819881.28	6.24E-05	2.62E-04	2.36E-05	5.19E-05	1.92E-04	1.69E-05	5.89E-06	3.37E-05	4.02E-06	5.35E-06	1.77E-05	1.22E-06
5583	469576.83	3819872.34	6.18E-05	2.59E-04	2.34E-05	5.14E-05	1.91E-04	1.68E-05	5.83E-06	3.34E-05	3.98E-06	5.30E-06	1.75E-05	1.21E-06
5584	469573.32	3819863.4	6.11E-05	2.57E-04	2.31E-05	5.09E-05	1.89E-04	1.66E-05	5.77E-06	3.30E-05	3.94E-06	5.25E-06	1.73E-05	1.19E-06
5585	469569.81	3819854.46	6.04E-05	2.54E-04	2.28E-05	5.03E-05	1.86E-04	1.64E-05	5.70E-06	3.26E-05	3.89E-06	5.18E-06	1.71E-05	1.18E-06
5586	469566.3	3819845.53	5.96E-05	2.50E-04	2.25E-05	4.97E-05	1.84E-04	1.62E-05	5.63E-06	3.22E-05	3.85E-06	5.12E-06	1.69E-05	1.16E-06

5587	469478.55	3819622.08	3.08E-05	1.29E-04	1.16E-05	2.56E-05	9.50E-05	8.36E-06	2.91E-06	1.66E-05	1.99E-06	2.64E-06	8.72E-06	6.01E-07
5588	469475.04	3819613.14	2.96E-05	1.24E-04	1.12E-05	2.47E-05	9.14E-05	8.04E-06	2.80E-06	1.60E-05	1.91E-06	2.54E-06	8.38E-06	5.78E-07
5589	469471.53	3819604.21	2.85E-05	1.20E-04	1.08E-05	2.37E-05	8.80E-05	7.74E-06	2.69E-06	1.54E-05	1.84E-06	2.45E-06	8.07E-06	5.56E-07
5590	469468.02	3819595.27	2.74E-05	1.15E-04	1.04E-05	2.28E-05	8.46E-05	7.45E-06	2.59E-06	1.48E-05	1.77E-06	2.35E-06	7.76E-06	5.35E-07
5591	469464.51	3819586.33	2.64E-05	1.11E-04	9.98E-06	2.20E-05	8.14E-05	7.16E-06	2.49E-06	1.43E-05	1.70E-06	2.26E-06	7.47E-06	5.15E-07
5592	469461	3819577.39	2.53E-05	1.06E-04	9.58E-06	2.11E-05	7.82E-05	6.88E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.17E-06	4.94E-07
5593	469457.49	3819568.45	2.43E-05	1.02E-04	9.19E-06	2.03E-05	7.50E-05	6.60E-06	2.30E-06	1.31E-05	1.57E-06	2.09E-06	6.88E-06	4.74E-07
5594	469453.98	3819559.52	2.33E-05	9.80E-05	8.82E-06	1.94E-05	7.20E-05	6.33E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.60E-06	4.55E-07
5595	469450.47	3819550.58	2.24E-05	9.41E-05	8.48E-06	1.87E-05	6.92E-05	6.08E-06	2.12E-06	1.21E-05	1.45E-06	1.92E-06	6.34E-06	4.37E-07
5596	469446.96	3819541.64	2.15E-05	9.05E-05	8.15E-06	1.79E-05	6.65E-05	5.85E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.10E-06	4.20E-07
5597	469443.45	3819532.7	2.07E-05	8.70E-05	7.83E-06	1.72E-05	6.39E-05	5.62E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.86E-06	4.04E-07
5598	469439.94	3819523.77	1.99E-05	8.36E-05	7.53E-06	1.66E-05	6.14E-05	5.40E-06	1.88E-06	1.08E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
5599	469436.43	3819514.83	1.91E-05	8.04E-05	7.24E-06	1.59E-05	5.91E-05	5.20E-06	1.81E-06	1.03E-05	1.23E-06	1.64E-06	5.42E-06	3.73E-07
5600	469432.92	3819505.89	1.84E-05	7.73E-05	6.96E-06	1.53E-05	5.68E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
5601	469429.41	3819496.95	1.77E-05	7.44E-05	6.70E-06	1.48E-05	5.47E-05	4.81E-06	1.67E-06	9.58E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
5602	469425.9	3819488.01	1.71E-05	7.17E-05	6.45E-06	1.42E-05	5.27E-05	4.63E-06	1.61E-06	9.23E-06	1.10E-06	1.47E-06	4.83E-06	3.33E-07
5603	469422.39	3819479.08	1.64E-05	6.91E-05	6.22E-06	1.37E-05	5.07E-05	4.46E-06	1.55E-06	8.89E-06	1.06E-06	1.41E-06	4.65E-06	3.21E-07
5604	469418.88	3819470.14	1.59E-05	6.66E-05	5.99E-06	1.32E-05	4.89E-05	4.30E-06	1.50E-06	8.57E-06	1.02E-06	1.36E-06	4.49E-06	3.09E-07
5605	469415.37	3819461.2	1.53E-05	6.42E-05	5.78E-06	1.27E-05	4.72E-05	4.15E-06	1.44E-06	8.27E-06	9.86E-07	1.31E-06	4.33E-06	2.98E-07
5606	469411.86	3819452.26	1.48E-05	6.20E-05	5.58E-06	1.23E-05	4.55E-05	4.01E-06	1.39E-06	7.98E-06	9.52E-07	1.27E-06	4.18E-06	2.88E-07
5607	469408.35	3819443.32	1.43E-05	5.99E-05	5.39E-06	1.19E-05	4.40E-05	3.87E-06	1.35E-06	7.71E-06	9.19E-07	1.22E-06	4.03E-06	2.78E-07
5608	470094.96	3820148.33	1.11E-04	4.65E-04	4.18E-05	9.22E-05	3.41E-04	3.00E-05	1.04E-05	5.98E-05	7.14E-06	9.50E-06	3.13E-05	2.16E-06
5609	470104.65	3820148.47	1.10E-04	4.63E-04	4.17E-05	9.19E-05	3.41E-04	3.00E-05	1.04E-05	5.97E-05	7.12E-06	9.47E-06	3.12E-05	2.15E-06
5610	470114.35	3820148.6	1.10E-04	4.62E-04	4.16E-05	9.16E-05	3.39E-04	2.98E-05	1.04E-05	5.94E-05	7.09E-06	9.44E-06	3.11E-05	2.15E-06
5611	470124.05	3820148.74	1.09E-04	4.60E-04	4.14E-05	9.12E-05	3.38E-04	2.97E-05	1.03E-05	5.92E-05	7.06E-06	9.40E-06	3.10E-05	2.14E-06
5612	470133.74	3820148.87	1.09E-04	4.57E-04	4.12E-05	9.07E-05	3.36E-04	2.96E-05	1.03E-05	5.89E-05	7.02E-06	9.35E-06	3.08E-05	2.12E-06
5613	470143.44	3820149.01	1.08E-04	4.54E-04	4.09E-05	9.01E-05	3.34E-04	2.94E-05	1.02E-05	5.85E-05	6.98E-06	9.29E-06	3.06E-05	2.11E-06
5614	470153.14	3820149.14	1.07E-04	4.51E-04	4.06E-05	8.94E-05	3.31E-04	2.92E-05	1.01E-05	5.81E-05	6.93E-06	9.22E-06	3.04E-05	2.10E-06
5615	470162.84	3820149.28	1.07E-04	4.47E-04	4.03E-05	8.87E-05	3.29E-04	2.89E-05	1.01E-05	5.76E-05	6.87E-06	9.14E-06	3.01E-05	2.08E-06
5616	470172.53	3820149.41	1.06E-04	4.43E-04	3.99E-05	8.79E-05	3.26E-04	2.87E-05	9.97E-06	5.71E-05	6.81E-06	9.06E-06	2.99E-05	2.06E-06
5617	470182.23	3820149.55	1.05E-04	4.39E-04	3.95E-05	8.71E-05	3.23E-04	2.84E-05	9.87E-06	5.65E-05	6.74E-06	8.98E-06	2.96E-05	2.04E-06
5618	470191.93	3820149.68	1.04E-04	4.35E-04	3.91E-05	8.62E-05	3.19E-04	2.81E-05	9.77E-06	5.60E-05	6.68E-06	8.89E-06	2.93E-05	2.02E-06
5619	470201.63	3820149.82	1.02E-04	4.30E-04	3.87E-05	8.53E-05	3.16E-04	2.78E-05	9.67E-06	5.54E-05	6.61E-06	8.79E-06	2.90E-05	2.00E-06
5620	470211.32	3820149.95	1.01E-04	4.25E-04	3.83E-05	8.44E-05	3.13E-04	2.75E-05	9.56E-06	5.48E-05	6.53E-06	8.69E-06	2.87E-05	1.98E-06
5621	470221.02	3820150.09	1.00E-04	4.20E-04	3.79E-05	8.34E-05	3.09E-04	2.72E-05	9.45E-06	5.41E-05	6.46E-06	8.59E-06	2.83E-05	1.95E-06
5622	470230.72	3820150.22	9.89E-05	4.15E-04	3.74E-05	8.24E-05	3.05E-04	2.68E-05	9.34E-06	5.35E-05	6.38E-06	8.49E-06	2.80E-05	1.93E-06
5623	470240.41	3820150.36	9.77E-05	4.10E-04	3.69E-05	8.14E-05	3.01E-04	2.65E-05	9.23E-06	5.28E-05	6.30E-06	8.39E-06	2.77E-05	1.91E-06
5624	470250.11	3820150.49	9.65E-05	4.05E-04	3.65E-05	8.04E-05	2.98E-04	2.62E-05	9.11E-06	5.22E-05	6.22E-06	8.28E-06	2.73E-05	1.88E-06
5625	470259.81	3820150.63	9.53E-05	4.00E-04	3.60E-05	7.94E-05	2.94E-04	2.59E-05	9.00E-06	5.15E-05	6.15E-06	8.18E-06	2.70E-05	1.86E-06
5626	470049.49	3820209.15	9.70E-05	4.07E-04	3.67E-05	8.08E-05	2.99E-04	2.63E-05	9.16E-06	5.25E-05	6.26E-06	8.33E-06	2.75E-05	1.89E-06
5627	470040.62	3820205.31	9.75E-05	4.10E-04	3.69E-05	8.13E-05	3.01E-04	2.65E-05	9.21E-06	5.27E-05	6.29E-06	8.37E-06	2.76E-05	1.90E-06
5628	470031.75	3820201.47	9.80E-05	4.11E-04	3.71E-05	8.16E-05	3.02E-04	2.66E-05	9.25E-06	5.30E-05	6.32E-06	8.41E-06	2.77E-05	1.91E-06
5629	470022.88	3820197.64	9.83E-05	4.13E-04	3.72E-05	8.19E-05	3.03E-04	2.67E-05	9.28E-06	5.31E-05	6.34E-06	8.44E-06	2.78E-05	1.92E-06

5630	470014.01	3820193.8	9.85E-05	4.14E-04	3.73E-05	8.21E-05	3.04E-04	2.68E-05	9.31E-06	5.33E-05	6.36E-06	8.46E-06	2.79E-05	1.92E-06
5631	470005.14	3820189.97	9.87E-05	4.14E-04	3.73E-05	8.22E-05	3.05E-04	2.68E-05	9.32E-06	5.34E-05	6.37E-06	8.47E-06	2.79E-05	1.93E-06
5632	469996.27	3820186.13	9.87E-05	4.15E-04	3.73E-05	8.22E-05	3.05E-04	2.68E-05	9.32E-06	5.34E-05	6.37E-06	8.48E-06	2.80E-05	1.93E-06
5633	469987.4	3820182.29	9.87E-05	4.14E-04	3.73E-05	8.22E-05	3.05E-04	2.68E-05	9.32E-06	5.34E-05	6.37E-06	8.47E-06	2.79E-05	1.93E-06
5634	469978.53	3820178.46	9.86E-05	4.14E-04	3.73E-05	8.21E-05	3.04E-04	2.68E-05	9.31E-06	5.33E-05	6.36E-06	8.46E-06	2.79E-05	1.92E-06
5635	469969.66	3820174.62	9.83E-05	4.13E-04	3.72E-05	8.19E-05	3.03E-04	2.67E-05	9.29E-06	5.32E-05	6.34E-06	8.44E-06	2.78E-05	1.92E-06
5636	469960.79	3820170.79	9.80E-05	4.12E-04	3.71E-05	8.16E-05	3.02E-04	2.66E-05	9.26E-06	5.30E-05	6.32E-06	8.41E-06	2.77E-05	1.91E-06
5637	469951.92	3820166.95	9.76E-05	4.10E-04	3.69E-05	8.13E-05	3.01E-04	2.65E-05	9.22E-06	5.28E-05	6.30E-06	8.38E-06	2.76E-05	1.90E-06
5638	469943.05	3820163.12	9.71E-05	4.08E-04	3.67E-05	8.09E-05	3.00E-04	2.64E-05	9.17E-06	5.25E-05	6.26E-06	8.34E-06	2.75E-05	1.89E-06
5639	469934.17	3820159.28	9.65E-05	4.05E-04	3.65E-05	8.04E-05	2.98E-04	2.62E-05	9.12E-06	5.22E-05	6.23E-06	8.29E-06	2.73E-05	1.88E-06
5640	469925.3	3820155.44	9.59E-05	4.03E-04	3.63E-05	7.99E-05	2.96E-04	2.60E-05	9.06E-06	5.18E-05	6.19E-06	8.23E-06	2.71E-05	1.87E-06
5641	469916.43	3820151.61	9.52E-05	4.00E-04	3.60E-05	7.93E-05	2.94E-04	2.59E-05	8.99E-06	5.15E-05	6.14E-06	8.18E-06	2.70E-05	1.86E-06
5642	469907.56	3820147.77	9.45E-05	3.97E-04	3.57E-05	7.87E-05	2.92E-04	2.57E-05	8.92E-06	5.11E-05	6.10E-06	8.11E-06	2.67E-05	1.84E-06
5643	469898.69	3820143.94	9.37E-05	3.94E-04	3.54E-05	7.80E-05	2.89E-04	2.54E-05	8.85E-06	5.07E-05	6.04E-06	8.04E-06	2.65E-05	1.83E-06
5644	469889.82	3820140.1	9.29E-05	3.90E-04	3.51E-05	7.74E-05	2.87E-04	2.52E-05	8.77E-06	5.02E-05	5.99E-06	7.97E-06	2.63E-05	1.81E-06
5645	469880.95	3820136.27	9.20E-05	3.86E-04	3.48E-05	7.67E-05	2.84E-04	2.50E-05	8.69E-06	4.98E-05	5.94E-06	7.90E-06	2.60E-05	1.80E-06
5646	469872.08	3820132.43	9.11E-05	3.83E-04	3.45E-05	7.59E-05	2.81E-04	2.47E-05	8.61E-06	4.93E-05	5.88E-06	7.82E-06	2.58E-05	1.78E-06
5647	469863.21	3820128.59	9.02E-05	3.79E-04	3.41E-05	7.51E-05	2.78E-04	2.45E-05	8.52E-06	4.88E-05	5.82E-06	7.74E-06	2.55E-05	1.76E-06
5648	469854.34	3820124.76	8.92E-05	3.75E-04	3.37E-05	7.43E-05	2.75E-04	2.42E-05	8.43E-06	4.82E-05	5.76E-06	7.66E-06	2.53E-05	1.74E-06
5649	469845.47	3820120.92	8.82E-05	3.71E-04	3.34E-05	7.35E-05	2.72E-04	2.40E-05	8.33E-06	4.77E-05	5.69E-06	7.58E-06	2.50E-05	1.72E-06
5650	469836.6	3820117.09	8.72E-05	3.66E-04	3.30E-05	7.27E-05	2.69E-04	2.37E-05	8.24E-06	4.72E-05	5.63E-06	7.49E-06	2.47E-05	1.70E-06
5651	469827.73	3820113.25	8.62E-05	3.62E-04	3.26E-05	7.18E-05	2.66E-04	2.34E-05	8.14E-06	4.66E-05	5.56E-06	7.40E-06	2.44E-05	1.68E-06
5652	469818.86	3820109.41	8.52E-05	3.58E-04	3.22E-05	7.10E-05	2.63E-04	2.31E-05	8.05E-06	4.61E-05	5.50E-06	7.32E-06	2.41E-05	1.66E-06
5653	469809.99	3820105.58	8.42E-05	3.54E-04	3.18E-05	7.01E-05	2.60E-04	2.29E-05	7.95E-06	4.55E-05	5.43E-06	7.23E-06	2.38E-05	1.64E-06
5654	469801.12	3820101.74	8.32E-05	3.49E-04	3.15E-05	6.93E-05	2.57E-04	2.26E-05	7.86E-06	4.50E-05	5.37E-06	7.14E-06	2.36E-05	1.62E-06
5655	469792.25	3820097.91	8.22E-05	3.45E-04	3.11E-05	6.85E-05	2.54E-04	2.23E-05	7.76E-06	4.44E-05	5.30E-06	7.06E-06	2.33E-05	1.60E-06
5656	469783.38	3820094.07	8.12E-05	3.41E-04	3.07E-05	6.76E-05	2.51E-04	2.20E-05	7.67E-06	4.39E-05	5.24E-06	6.97E-06	2.30E-05	1.58E-06
5657	469774.51	3820090.24	8.02E-05	3.37E-04	3.03E-05	6.68E-05	2.48E-04	2.18E-05	7.57E-06	4.34E-05	5.17E-06	6.89E-06	2.27E-05	1.57E-06
5658	469765.64	3820086.4	7.92E-05	3.33E-04	3.00E-05	6.60E-05	2.44E-04	2.15E-05	7.48E-06	4.28E-05	5.11E-06	6.80E-06	2.24E-05	1.55E-06
5659	469756.77	3820082.56	7.83E-05	3.29E-04	2.96E-05	6.52E-05	2.41E-04	2.12E-05	7.39E-06	4.23E-05	5.05E-06	6.72E-06	2.22E-05	1.53E-06
5660	469747.9	3820078.73	7.73E-05	3.25E-04	2.92E-05	6.44E-05	2.38E-04	2.10E-05	7.30E-06	4.18E-05	4.99E-06	6.63E-06	2.19E-05	1.51E-06
5661	469739.03	3820074.89	7.63E-05	3.21E-04	2.89E-05	6.36E-05	2.36E-04	2.07E-05	7.21E-06	4.13E-05	4.92E-06	6.55E-06	2.16E-05	1.49E-06
5662	469730.16	3820071.06	7.54E-05	3.17E-04	2.85E-05	6.28E-05	2.33E-04	2.05E-05	7.12E-06	4.07E-05	4.86E-06	6.47E-06	2.13E-05	1.47E-06
5663	469721.28	3820067.22	7.44E-05	3.13E-04	2.81E-05	6.20E-05	2.30E-04	2.02E-05	7.03E-06	4.02E-05	4.80E-06	6.39E-06	2.11E-05	1.45E-06
5664	469712.41	3820063.38	7.35E-05	3.09E-04	2.78E-05	6.12E-05	2.27E-04	1.99E-05	6.94E-06	3.97E-05	4.74E-06	6.31E-06	2.08E-05	1.43E-06
5665	469588.23	3820009.68	6.00E-05	2.52E-04	2.27E-05	5.00E-05	1.85E-04	1.63E-05	5.67E-06	3.24E-05	3.87E-06	5.15E-06	1.70E-05	1.17E-06
5666	469579.36	3820005.85	5.90E-05	2.48E-04	2.23E-05	4.91E-05	1.82E-04	1.60E-05	5.57E-06	3.19E-05	3.81E-06	5.06E-06	1.67E-05	1.15E-06
5667	469570.49	3820002.01	5.80E-05	2.43E-04	2.19E-05	4.83E-05	1.79E-04	1.57E-05	5.47E-06	3.13E-05	3.74E-06	4.98E-06	1.64E-05	1.13E-06
5668	469561.62	3819998.18	5.69E-05	2.39E-04	2.15E-05	4.74E-05	1.76E-04	1.55E-05	5.38E-06	3.08E-05	3.67E-06	4.89E-06	1.61E-05	1.11E-06
5669	469552.75	3819994.34	5.59E-05	2.35E-04	2.11E-05	4.66E-05	1.73E-04	1.52E-05	5.28E-06	3.02E-05	3.61E-06	4.80E-06	1.58E-05	1.09E-06
5670	469540.34	3819981.51	5.46E-05	2.29E-04	2.07E-05	4.55E-05	1.69E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
5671	469536.81	3819972.51	5.43E-05	2.28E-04	2.05E-05	4.53E-05	1.68E-04	1.47E-05	5.13E-06	2.94E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
5672	469533.28	3819963.52	5.40E-05	2.27E-04	2.04E-05	4.50E-05	1.67E-04	1.47E-05	5.10E-06	2.92E-05	3.48E-06	4.64E-06	1.53E-05	1.05E-06

5673	469529.75	3819954.52	5.37E-05	2.25E-04	2.03E-05	4.47E-05	1.66E-04	1.46E-05	5.07E-06	2.90E-05	3.46E-06	4.61E-06	1.52E-05	1.05E-06
5674	469526.21	3819945.53	5.33E-05	2.24E-04	2.01E-05	4.44E-05	1.64E-04	1.45E-05	5.03E-06	2.88E-05	3.43E-06	4.57E-06	1.51E-05	1.04E-06
5675	469522.68	3819936.53	5.28E-05	2.22E-04	2.00E-05	4.40E-05	1.63E-04	1.43E-05	4.99E-06	2.86E-05	3.41E-06	4.53E-06	1.50E-05	1.03E-06
5676	469519.15	3819927.54	5.23E-05	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.94E-06	2.83E-05	3.38E-06	4.49E-06	1.48E-05	1.02E-06
5677	469515.62	3819918.54	5.18E-05	2.18E-04	1.96E-05	4.32E-05	1.60E-04	1.41E-05	4.89E-06	2.80E-05	3.34E-06	4.45E-06	1.47E-05	1.01E-06
5678	469512.08	3819909.55	5.13E-05	2.15E-04	1.94E-05	4.27E-05	1.58E-04	1.39E-05	4.84E-06	2.77E-05	3.31E-06	4.40E-06	1.45E-05	1.00E-06
5679	469508.55	3819900.55	5.07E-05	2.13E-04	1.92E-05	4.22E-05	1.56E-04	1.38E-05	4.79E-06	2.74E-05	3.27E-06	4.35E-06	1.44E-05	9.89E-07
5680	469505.02	3819891.55	5.01E-05	2.10E-04	1.89E-05	4.17E-05	1.55E-04	1.36E-05	4.73E-06	2.71E-05	3.23E-06	4.30E-06	1.42E-05	9.77E-07
5681	469501.49	3819882.56	4.94E-05	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.67E-05	3.19E-06	4.24E-06	1.40E-05	9.65E-07
5682	469497.95	3819873.56	4.87E-05	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.60E-06	2.63E-05	3.14E-06	4.18E-06	1.38E-05	9.51E-07
5683	469494.42	3819864.57	4.80E-05	2.02E-04	1.82E-05	4.00E-05	1.48E-04	1.30E-05	4.53E-06	2.60E-05	3.10E-06	4.12E-06	1.36E-05	9.37E-07
5684	469490.89	3819855.57	4.73E-05	1.98E-04	1.79E-05	3.94E-05	1.46E-04	1.28E-05	4.46E-06	2.55E-05	3.05E-06	4.06E-06	1.34E-05	9.22E-07
5685	469487.36	3819846.58	4.65E-05	1.95E-04	1.76E-05	3.87E-05	1.43E-04	1.26E-05	4.39E-06	2.51E-05	3.00E-06	3.99E-06	1.32E-05	9.07E-07
5686	469444.96	3819738.63	3.52E-05	1.48E-04	1.33E-05	2.93E-05	1.09E-04	9.56E-06	3.33E-06	1.90E-05	2.27E-06	3.02E-06	9.97E-06	6.87E-07
5687	469441.43	3819729.64	3.42E-05	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.29E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.69E-06	6.68E-07
5688	469437.9	3819720.64	3.32E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.02E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
5689	469434.37	3819711.64	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.94E-05	8.75E-06	3.04E-06	1.74E-05	2.08E-06	2.77E-06	9.12E-06	6.29E-07
5690	469430.83	3819702.65	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.63E-05	8.47E-06	2.95E-06	1.69E-05	2.01E-06	2.68E-06	8.84E-06	6.09E-07
5691	469427.3	3819693.65	3.02E-05	1.27E-04	1.14E-05	2.52E-05	9.32E-05	8.20E-06	2.85E-06	1.63E-05	1.95E-06	2.59E-06	8.55E-06	5.89E-07
5692	469423.77	3819684.66	2.92E-05	1.23E-04	1.10E-05	2.43E-05	9.01E-05	7.92E-06	2.76E-06	1.58E-05	1.88E-06	2.51E-06	8.26E-06	5.70E-07
5693	469420.24	3819675.66	2.82E-05	1.18E-04	1.07E-05	2.35E-05	8.70E-05	7.65E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
5694	469416.7	3819666.67	2.72E-05	1.14E-04	1.03E-05	2.27E-05	8.40E-05	7.39E-06	2.57E-06	1.47E-05	1.76E-06	2.34E-06	7.71E-06	5.31E-07
5695	469413.17	3819657.67	2.63E-05	1.10E-04	9.95E-06	2.19E-05	8.12E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.13E-07
5696	469409.64	3819648.68	2.54E-05	1.07E-04	9.60E-06	2.12E-05	7.84E-05	6.89E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.19E-06	4.96E-07
5697	469406.11	3819639.68	2.45E-05	1.03E-04	9.27E-06	2.04E-05	7.56E-05	6.65E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.94E-06	4.78E-07
5698	469402.57	3819630.69	2.36E-05	9.92E-05	8.94E-06	1.97E-05	7.29E-05	6.41E-06	2.23E-06	1.28E-05	1.52E-06	2.03E-06	6.69E-06	4.61E-07
5699	469399.04	3819621.69	2.28E-05	9.57E-05	8.62E-06	1.90E-05	7.03E-05	6.18E-06	2.15E-06	1.23E-05	1.47E-06	1.96E-06	6.45E-06	4.45E-07
5700	469395.51	3819612.69	2.20E-05	9.22E-05	8.30E-06	1.83E-05	6.77E-05	5.96E-06	2.07E-06	1.19E-05	1.42E-06	1.88E-06	6.21E-06	4.28E-07
5701	469391.98	3819603.7	2.11E-05	8.87E-05	7.99E-06	1.76E-05	6.52E-05	5.74E-06	2.00E-06	1.14E-05	1.36E-06	1.81E-06	5.98E-06	4.12E-07
5702	469388.44	3819594.7	2.03E-05	8.54E-05	7.69E-06	1.69E-05	6.27E-05	5.52E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.75E-06	3.97E-07
5703	469384.91	3819585.71	1.96E-05	8.21E-05	7.40E-06	1.63E-05	6.04E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.54E-06	3.82E-07
5704	469381.38	3819576.71	1.88E-05	7.91E-05	7.13E-06	1.57E-05	5.81E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.33E-06	3.68E-07
5705	469377.85	3819567.72	1.82E-05	7.62E-05	6.87E-06	1.51E-05	5.60E-05	4.93E-06	1.71E-06	9.81E-06	1.17E-06	1.56E-06	5.14E-06	3.54E-07
5706	469374.31	3819558.72	1.75E-05	7.35E-05	6.62E-06	1.46E-05	5.40E-05	4.75E-06	1.65E-06	9.46E-06	1.13E-06	1.50E-06	4.95E-06	3.41E-07
5707	469370.78	3819549.73	1.69E-05	7.08E-05	6.37E-06	1.40E-05	5.20E-05	4.58E-06	1.59E-06	9.11E-06	1.09E-06	1.45E-06	4.77E-06	3.29E-07
5708	469367.25	3819540.73	1.62E-05	6.82E-05	6.14E-06	1.35E-05	5.01E-05	4.41E-06	1.53E-06	8.78E-06	1.05E-06	1.39E-06	4.60E-06	3.17E-07
5709	469363.71	3819531.74	1.57E-05	6.58E-05	5.93E-06	1.31E-05	4.83E-05	4.25E-06	1.48E-06	8.47E-06	1.01E-06	1.35E-06	4.44E-06	3.06E-07
5710	469360.18	3819522.74	1.51E-05	6.35E-05	5.72E-06	1.26E-05	4.66E-05	4.10E-06	1.43E-06	8.17E-06	9.75E-07	1.30E-06	4.28E-06	2.95E-07
5711	469356.65	3819513.74	1.46E-05	6.13E-05	5.52E-06	1.21E-05	4.50E-05	3.96E-06	1.38E-06	7.89E-06	9.41E-07	1.25E-06	4.13E-06	2.85E-07
5712	469353.12	3819504.75	1.41E-05	5.91E-05	5.33E-06	1.17E-05	4.35E-05	3.82E-06	1.33E-06	7.61E-06	9.08E-07	1.21E-06	3.99E-06	2.75E-07
5713	469349.58	3819495.75	1.36E-05	5.71E-05	5.15E-06	1.13E-05	4.20E-05	3.69E-06	1.28E-06	7.35E-06	8.77E-07	1.17E-06	3.85E-06	2.65E-07
5714	469346.05	3819486.76	1.31E-05	5.52E-05	4.97E-06	1.10E-05	4.06E-05	3.57E-06	1.24E-06	7.11E-06	8.48E-07	1.13E-06	3.72E-06	2.57E-07
5715	469342.52	3819477.76	1.27E-05	5.34E-05	4.81E-06	1.06E-05	3.92E-05	3.45E-06	1.20E-06	6.87E-06	8.20E-07	1.09E-06	3.60E-06	2.48E-07

5716	469338.99	3819468.77	1.23E-05	5.17E-05	4.65E-06	1.02E-05	3.80E-05	3.34E-06	1.16E-06	6.65E-06	7.94E-07	1.06E-06	3.48E-06	2.40E-07
5717	469335.45	3819459.77	1.19E-05	5.00E-05	4.50E-06	9.92E-06	3.67E-05	3.23E-06	1.12E-06	6.44E-06	7.68E-07	1.02E-06	3.37E-06	2.32E-07
5718	469331.92	3819450.78	1.15E-05	4.84E-05	4.36E-06	9.59E-06	3.55E-05	3.13E-06	1.09E-06	6.23E-06	7.43E-07	9.89E-07	3.26E-06	2.25E-07
5719	469328.39	3819441.78	1.12E-05	4.68E-05	4.22E-06	9.29E-06	3.44E-05	3.03E-06	1.05E-06	6.03E-06	7.19E-07	9.57E-07	3.16E-06	2.18E-07
5720	470093.84	3820228.32	9.32E-05	3.91E-04	3.52E-05	7.76E-05	2.88E-04	2.53E-05	8.80E-06	5.04E-05	6.01E-06	8.00E-06	2.64E-05	1.82E-06
5721	470103.54	3820228.46	9.29E-05	3.90E-04	3.51E-05	7.73E-05	2.87E-04	2.52E-05	8.77E-06	5.02E-05	5.99E-06	7.97E-06	2.63E-05	1.81E-06
5722	470113.24	3820228.59	9.25E-05	3.88E-04	3.50E-05	7.70E-05	2.85E-04	2.51E-05	8.73E-06	5.00E-05	5.96E-06	7.94E-06	2.62E-05	1.80E-06
5723	470122.93	3820228.73	9.20E-05	3.86E-04	3.48E-05	7.66E-05	2.84E-04	2.50E-05	8.69E-06	4.97E-05	5.93E-06	7.90E-06	2.60E-05	1.80E-06
5724	470132.63	3820228.86	9.15E-05	3.84E-04	3.46E-05	7.62E-05	2.82E-04	2.48E-05	8.64E-06	4.94E-05	5.90E-06	7.85E-06	2.59E-05	1.78E-06
5725	470142.33	3820229	9.08E-05	3.81E-04	3.44E-05	7.57E-05	2.80E-04	2.47E-05	8.58E-06	4.91E-05	5.86E-06	7.80E-06	2.57E-05	1.77E-06
5726	470152.03	3820229.13	9.01E-05	3.79E-04	3.41E-05	7.51E-05	2.78E-04	2.45E-05	8.51E-06	4.87E-05	5.81E-06	7.74E-06	2.55E-05	1.76E-06
5727	470161.72	3820229.27	8.94E-05	3.75E-04	3.38E-05	7.45E-05	2.76E-04	2.43E-05	8.44E-06	4.83E-05	5.77E-06	7.67E-06	2.53E-05	1.74E-06
5728	470171.42	3820229.4	8.86E-05	3.72E-04	3.35E-05	7.38E-05	2.73E-04	2.40E-05	8.37E-06	4.79E-05	5.71E-06	7.61E-06	2.51E-05	1.73E-06
5729	470181.12	3820229.54	8.77E-05	3.69E-04	3.32E-05	7.31E-05	2.71E-04	2.38E-05	8.29E-06	4.74E-05	5.66E-06	7.53E-06	2.48E-05	1.71E-06
5730	470190.81	3820229.67	8.69E-05	3.65E-04	3.29E-05	7.24E-05	2.68E-04	2.36E-05	8.20E-06	4.70E-05	5.60E-06	7.46E-06	2.46E-05	1.69E-06
5731	470200.51	3820229.81	8.60E-05	3.61E-04	3.25E-05	7.16E-05	2.65E-04	2.33E-05	8.12E-06	4.65E-05	5.54E-06	7.38E-06	2.43E-05	1.68E-06
5732	470210.21	3820229.94	8.50E-05	3.57E-04	3.22E-05	7.08E-05	2.62E-04	2.31E-05	8.03E-06	4.60E-05	5.48E-06	7.30E-06	2.41E-05	1.66E-06
5733	470219.91	3820230.08	8.41E-05	3.53E-04	3.18E-05	7.00E-05	2.59E-04	2.28E-05	7.94E-06	4.54E-05	5.42E-06	7.22E-06	2.38E-05	1.64E-06
5734	470229.6	3820230.21	8.31E-05	3.49E-04	3.14E-05	6.92E-05	2.56E-04	2.26E-05	7.85E-06	4.49E-05	5.36E-06	7.13E-06	2.35E-05	1.62E-06
5735	470239.3	3820230.35	8.22E-05	3.45E-04	3.11E-05	6.84E-05	2.54E-04	2.23E-05	7.76E-06	4.44E-05	5.30E-06	7.05E-06	2.33E-05	1.60E-06
5736	470249	3820230.48	8.12E-05	3.41E-04	3.07E-05	6.76E-05	2.51E-04	2.20E-05	7.67E-06	4.39E-05	5.24E-06	6.97E-06	2.30E-05	1.58E-06
5737	470258.7	3820230.62	8.02E-05	3.37E-04	3.03E-05	6.68E-05	2.48E-04	2.18E-05	7.58E-06	4.34E-05	5.18E-06	6.89E-06	2.27E-05	1.57E-06
5738	470268.39	3820230.75	7.93E-05	3.33E-04	3.00E-05	6.61E-05	2.45E-04	2.15E-05	7.49E-06	4.29E-05	5.11E-06	6.81E-06	2.24E-05	1.55E-06
5739	470083.94	3820304.52	8.04E-05	3.38E-04	3.04E-05	6.70E-05	2.48E-04	2.18E-05	7.59E-06	4.35E-05	5.19E-06	6.90E-06	2.28E-05	1.57E-06
5740	470075.15	3820300.72	8.11E-05	3.41E-04	3.07E-05	6.76E-05	2.50E-04	2.20E-05	7.66E-06	4.39E-05	5.23E-06	6.97E-06	2.30E-05	1.58E-06
5741	470066.36	3820296.92	8.18E-05	3.44E-04	3.09E-05	6.82E-05	2.52E-04	2.22E-05	7.73E-06	4.42E-05	5.28E-06	7.02E-06	2.32E-05	1.60E-06
5742	470057.58	3820293.12	8.24E-05	3.46E-04	3.12E-05	6.87E-05	2.54E-04	2.24E-05	7.79E-06	4.46E-05	5.32E-06	7.08E-06	2.33E-05	1.61E-06
5743	470048.79	3820289.32	8.30E-05	3.49E-04	3.14E-05	6.91E-05	2.56E-04	2.25E-05	7.84E-06	4.49E-05	5.35E-06	7.13E-06	2.35E-05	1.62E-06
5744	470040	3820285.52	8.35E-05	3.51E-04	3.16E-05	6.96E-05	2.58E-04	2.27E-05	7.89E-06	4.51E-05	5.39E-06	7.17E-06	2.36E-05	1.63E-06
5745	470031.21	3820281.72	8.39E-05	3.52E-04	3.17E-05	6.99E-05	2.59E-04	2.28E-05	7.93E-06	4.54E-05	5.41E-06	7.21E-06	2.38E-05	1.64E-06
5746	470022.42	3820277.92	8.43E-05	3.54E-04	3.19E-05	7.02E-05	2.60E-04	2.29E-05	7.96E-06	4.56E-05	5.44E-06	7.24E-06	2.39E-05	1.64E-06
5747	470013.64	3820274.12	8.46E-05	3.55E-04	3.20E-05	7.04E-05	2.61E-04	2.30E-05	7.99E-06	4.57E-05	5.46E-06	7.26E-06	2.39E-05	1.65E-06
5748	470004.85	3820270.31	8.48E-05	3.56E-04	3.21E-05	7.07E-05	2.62E-04	2.30E-05	8.01E-06	4.59E-05	5.47E-06	7.28E-06	2.40E-05	1.66E-06
5749	469996.06	3820266.51	8.50E-05	3.57E-04	3.21E-05	7.08E-05	2.62E-04	2.31E-05	8.03E-06	4.59E-05	5.48E-06	7.30E-06	2.41E-05	1.66E-06
5750	469952.12	3820247.51	8.47E-05	3.56E-04	3.20E-05	7.05E-05	2.61E-04	2.30E-05	8.00E-06	4.58E-05	5.46E-06	7.27E-06	2.40E-05	1.65E-06
5751	469943.33	3820243.71	8.44E-05	3.54E-04	3.19E-05	7.03E-05	2.60E-04	2.29E-05	7.97E-06	4.56E-05	5.44E-06	7.25E-06	2.39E-05	1.65E-06
5752	469934.54	3820239.91	8.41E-05	3.53E-04	3.18E-05	7.00E-05	2.60E-04	2.28E-05	7.94E-06	4.55E-05	5.42E-06	7.22E-06	2.38E-05	1.64E-06
5753	469925.76	3820236.11	8.37E-05	3.52E-04	3.17E-05	6.97E-05	2.58E-04	2.27E-05	7.91E-06	4.53E-05	5.40E-06	7.19E-06	2.37E-05	1.63E-06
5754	469916.97	3820232.31	8.33E-05	3.50E-04	3.15E-05	6.94E-05	2.57E-04	2.26E-05	7.86E-06	4.50E-05	5.37E-06	7.15E-06	2.36E-05	1.63E-06
5755	469908.18	3820228.51	8.28E-05	3.48E-04	3.13E-05	6.90E-05	2.55E-04	2.25E-05	7.82E-06	4.48E-05	5.34E-06	7.11E-06	2.34E-05	1.62E-06
5756	469899.39	3820224.71	8.22E-05	3.45E-04	3.11E-05	6.85E-05	2.54E-04	2.23E-05	7.77E-06	4.45E-05	5.30E-06	7.06E-06	2.33E-05	1.60E-06
5757	469890.6	3820220.91	8.17E-05	3.43E-04	3.09E-05	6.80E-05	2.52E-04	2.22E-05	7.71E-06	4.42E-05	5.27E-06	7.01E-06	2.31E-05	1.59E-06
5758	469881.82	3820217.11	8.11E-05	3.40E-04	3.07E-05	6.75E-05	2.50E-04	2.20E-05	7.66E-06	4.38E-05	5.23E-06	6.96E-06	2.29E-05	1.58E-06

5759	469873.03	3820213.31	8.04E-05	3.38E-04	3.04E-05	6.70E-05	2.48E-04	2.18E-05	7.60E-06	4.35E-05	5.19E-06	6.90E-06	2.28E-05	1.57E-06
5760	469864.24	3820209.51	7.97E-05	3.35E-04	3.02E-05	6.64E-05	2.46E-04	2.16E-05	7.53E-06	4.31E-05	5.14E-06	6.85E-06	2.26E-05	1.56E-06
5761	469855.45	3820205.71	7.90E-05	3.32E-04	2.99E-05	6.58E-05	2.44E-04	2.15E-05	7.46E-06	4.27E-05	5.10E-06	6.78E-06	2.24E-05	1.54E-06
5762	469846.66	3820201.91	7.83E-05	3.29E-04	2.96E-05	6.52E-05	2.42E-04	2.13E-05	7.39E-06	4.23E-05	5.05E-06	6.72E-06	2.22E-05	1.53E-06
5763	469837.88	3820198.11	7.75E-05	3.26E-04	2.93E-05	6.46E-05	2.39E-04	2.10E-05	7.32E-06	4.19E-05	5.00E-06	6.66E-06	2.19E-05	1.51E-06
5764	469829.09	3820194.31	7.68E-05	3.22E-04	2.90E-05	6.39E-05	2.37E-04	2.08E-05	7.25E-06	4.15E-05	4.95E-06	6.59E-06	2.17E-05	1.50E-06
5765	469820.3	3820190.51	7.60E-05	3.19E-04	2.87E-05	6.33E-05	2.34E-04	2.06E-05	7.17E-06	4.11E-05	4.90E-06	6.52E-06	2.15E-05	1.48E-06
5766	469811.51	3820186.71	7.52E-05	3.16E-04	2.84E-05	6.26E-05	2.32E-04	2.04E-05	7.10E-06	4.06E-05	4.85E-06	6.45E-06	2.13E-05	1.47E-06
5767	469802.72	3820182.91	7.44E-05	3.12E-04	2.81E-05	6.19E-05	2.29E-04	2.02E-05	7.02E-06	4.02E-05	4.80E-06	6.38E-06	2.11E-05	1.45E-06
5768	469793.94	3820179.11	7.36E-05	3.09E-04	2.78E-05	6.13E-05	2.27E-04	2.00E-05	6.95E-06	3.98E-05	4.75E-06	6.32E-06	2.08E-05	1.44E-06
5769	469785.15	3820175.31	7.28E-05	3.06E-04	2.75E-05	6.06E-05	2.25E-04	1.98E-05	6.87E-06	3.93E-05	4.69E-06	6.25E-06	2.06E-05	1.42E-06
5770	469776.36	3820171.51	7.20E-05	3.02E-04	2.72E-05	5.99E-05	2.22E-04	1.95E-05	6.80E-06	3.89E-05	4.64E-06	6.18E-06	2.04E-05	1.40E-06
5771	469767.57	3820167.71	7.12E-05	2.99E-04	2.69E-05	5.93E-05	2.20E-04	1.93E-05	6.72E-06	3.85E-05	4.59E-06	6.11E-06	2.01E-05	1.39E-06
5772	469758.78	3820163.91	7.04E-05	2.96E-04	2.66E-05	5.86E-05	2.17E-04	1.91E-05	6.65E-06	3.80E-05	4.54E-06	6.04E-06	1.99E-05	1.37E-06
5773	469750	3820160.11	6.96E-05	2.92E-04	2.63E-05	5.80E-05	2.15E-04	1.89E-05	6.57E-06	3.76E-05	4.49E-06	5.97E-06	1.97E-05	1.36E-06
5774	469741.21	3820156.31	6.88E-05	2.89E-04	2.60E-05	5.73E-05	2.12E-04	1.87E-05	6.50E-06	3.72E-05	4.44E-06	5.91E-06	1.95E-05	1.34E-06
5775	469732.42	3820152.51	6.80E-05	2.86E-04	2.57E-05	5.67E-05	2.10E-04	1.85E-05	6.42E-06	3.68E-05	4.39E-06	5.84E-06	1.93E-05	1.33E-06
5776	469723.63	3820148.71	6.73E-05	2.83E-04	2.54E-05	5.60E-05	2.08E-04	1.83E-05	6.35E-06	3.64E-05	4.34E-06	5.78E-06	1.90E-05	1.31E-06
5777	469714.84	3820144.91	6.65E-05	2.79E-04	2.52E-05	5.54E-05	2.05E-04	1.81E-05	6.28E-06	3.60E-05	4.29E-06	5.71E-06	1.88E-05	1.30E-06
5778	469706.06	3820141.11	6.58E-05	2.76E-04	2.49E-05	5.48E-05	2.03E-04	1.79E-05	6.21E-06	3.55E-05	4.24E-06	5.65E-06	1.86E-05	1.28E-06
5779	469521.51	3820061.31	5.03E-05	2.11E-04	1.90E-05	4.19E-05	1.55E-04	1.36E-05	4.75E-06	2.72E-05	3.24E-06	4.32E-06	1.42E-05	9.81E-07
5780	469512.72	3820057.51	4.95E-05	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.67E-05	3.19E-06	4.25E-06	1.40E-05	9.65E-07
5781	469503.93	3820053.71	4.87E-05	2.04E-04	1.84E-05	4.05E-05	1.50E-04	1.32E-05	4.60E-06	2.63E-05	3.14E-06	4.18E-06	1.38E-05	9.50E-07
5782	469495.14	3820049.91	4.79E-05	2.01E-04	1.81E-05	3.99E-05	1.48E-04	1.30E-05	4.52E-06	2.59E-05	3.09E-06	4.11E-06	1.35E-05	9.34E-07
5783	469482.86	3820037.19	4.69E-05	1.97E-04	1.77E-05	3.90E-05	1.45E-04	1.27E-05	4.42E-06	2.53E-05	3.02E-06	4.02E-06	1.33E-05	9.14E-07
5784	469472.36	3820010.46	4.61E-05	1.94E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.96E-06	1.30E-05	9.00E-07
5785	469468.86	3820001.55	4.58E-05	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.32E-06	2.48E-05	2.95E-06	3.93E-06	1.30E-05	8.93E-07
5786	469465.36	3819992.63	4.55E-05	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.23E-05	4.29E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.87E-07
5787	469461.86	3819983.72	4.51E-05	1.89E-04	1.71E-05	3.76E-05	1.39E-04	1.22E-05	4.26E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.80E-07
5788	469458.36	3819974.81	4.47E-05	1.88E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.22E-06	2.42E-05	2.88E-06	3.84E-06	1.27E-05	8.72E-07
5789	469454.86	3819965.9	4.43E-05	1.86E-04	1.67E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.39E-05	2.86E-06	3.80E-06	1.25E-05	8.64E-07
5790	469398.86	3819823.31	3.43E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.32E-06	3.24E-06	1.86E-05	2.21E-06	2.95E-06	9.71E-06	6.70E-07
5791	469395.36	3819814.4	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.04E-04	9.11E-06	3.17E-06	1.81E-05	2.16E-06	2.88E-06	9.50E-06	6.55E-07
5792	469391.86	3819805.48	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.89E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.27E-06	6.39E-07
5793	469388.36	3819796.57	3.19E-05	1.34E-04	1.21E-05	2.66E-05	9.86E-05	8.67E-06	3.02E-06	1.73E-05	2.06E-06	2.74E-06	9.04E-06	6.23E-07
5794	469384.86	3819787.66	3.12E-05	1.31E-04	1.18E-05	2.59E-05	9.61E-05	8.46E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.82E-06	6.08E-07
5795	469381.36	3819778.75	3.04E-05	1.28E-04	1.15E-05	2.53E-05	9.37E-05	8.24E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.59E-06	5.92E-07
5796	469377.86	3819769.84	2.96E-05	1.24E-04	1.12E-05	2.46E-05	9.12E-05	8.02E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.37E-06	5.77E-07
5797	469374.36	3819760.92	2.88E-05	1.21E-04	1.09E-05	2.39E-05	8.87E-05	7.81E-06	2.72E-06	1.55E-05	1.85E-06	2.47E-06	8.14E-06	5.61E-07
5798	469370.86	3819752.01	2.80E-05	1.17E-04	1.06E-05	2.33E-05	8.63E-05	7.59E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.91E-06	5.46E-07
5799	469367.36	3819743.1	2.72E-05	1.14E-04	1.03E-05	2.26E-05	8.38E-05	7.38E-06	2.57E-06	1.47E-05	1.75E-06	2.33E-06	7.69E-06	5.30E-07
5800	469363.86	3819734.19	2.64E-05	1.11E-04	9.98E-06	2.20E-05	8.14E-05	7.16E-06	2.49E-06	1.43E-05	1.70E-06	2.26E-06	7.47E-06	5.15E-07
5801	469360.36	3819725.28	2.56E-05	1.08E-04	9.68E-06	2.13E-05	7.90E-05	6.95E-06	2.42E-06	1.38E-05	1.65E-06	2.20E-06	7.25E-06	5.00E-07

5802	469356.86	3819716.36	2.48E-05	1.04E-04	9.39E-06	2.07E-05	7.66E-05	6.74E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.03E-06	4.84E-07
5803	469353.37	3819707.45	2.41E-05	1.01E-04	9.10E-06	2.00E-05	7.43E-05	6.53E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.81E-06	4.70E-07
5804	469349.87	3819698.54	2.33E-05	9.78E-05	8.81E-06	1.94E-05	7.19E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.55E-07
5805	469346.37	3819689.63	2.25E-05	9.46E-05	8.52E-06	1.88E-05	6.95E-05	6.12E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.38E-06	4.40E-07
5806	469342.87	3819680.72	2.18E-05	9.15E-05	8.24E-06	1.81E-05	6.72E-05	5.91E-06	2.06E-06	1.18E-05	1.40E-06	1.87E-06	6.16E-06	4.25E-07
5807	469339.37	3819671.81	2.11E-05	8.84E-05	7.96E-06	1.75E-05	6.50E-05	5.71E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.96E-06	4.11E-07
5808	469335.87	3819662.89	2.04E-05	8.55E-05	7.70E-06	1.70E-05	6.28E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.76E-06	3.97E-07
5809	469332.37	3819653.98	1.97E-05	8.26E-05	7.44E-06	1.64E-05	6.07E-05	5.34E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.57E-06	3.84E-07
5810	469328.87	3819645.07	1.90E-05	7.99E-05	7.19E-06	1.58E-05	5.87E-05	5.16E-06	1.80E-06	1.03E-05	1.23E-06	1.63E-06	5.38E-06	3.71E-07
5811	469325.37	3819636.16	1.84E-05	7.72E-05	6.95E-06	1.53E-05	5.67E-05	4.99E-06	1.74E-06	9.93E-06	1.19E-06	1.58E-06	5.20E-06	3.59E-07
5812	469321.87	3819627.25	1.78E-05	7.45E-05	6.71E-06	1.48E-05	5.48E-05	4.82E-06	1.68E-06	9.60E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
5813	469318.37	3819618.33	1.72E-05	7.20E-05	6.49E-06	1.43E-05	5.29E-05	4.66E-06	1.62E-06	9.27E-06	1.11E-06	1.47E-06	4.85E-06	3.35E-07
5814	469314.87	3819609.42	1.65E-05	6.95E-05	6.26E-06	1.38E-05	5.11E-05	4.49E-06	1.56E-06	8.95E-06	1.07E-06	1.42E-06	4.68E-06	3.23E-07
5815	469311.37	3819600.51	1.60E-05	6.71E-05	6.04E-06	1.33E-05	4.93E-05	4.33E-06	1.51E-06	8.63E-06	1.03E-06	1.37E-06	4.52E-06	3.12E-07
5816	469307.87	3819591.6	1.54E-05	6.47E-05	5.83E-06	1.28E-05	4.75E-05	4.18E-06	1.45E-06	8.33E-06	9.94E-07	1.32E-06	4.36E-06	3.01E-07
5817	469304.37	3819582.69	1.49E-05	6.24E-05	5.62E-06	1.24E-05	4.59E-05	4.04E-06	1.40E-06	8.04E-06	9.59E-07	1.28E-06	4.21E-06	2.90E-07
5818	469300.87	3819573.77	1.44E-05	6.03E-05	5.43E-06	1.20E-05	4.43E-05	3.90E-06	1.36E-06	7.77E-06	9.27E-07	1.23E-06	4.07E-06	2.80E-07
5819	469297.37	3819564.86	1.39E-05	5.83E-05	5.25E-06	1.16E-05	4.28E-05	3.77E-06	1.31E-06	7.51E-06	8.95E-07	1.19E-06	3.93E-06	2.71E-07
5820	469293.87	3819555.95	1.34E-05	5.64E-05	5.08E-06	1.12E-05	4.14E-05	3.64E-06	1.27E-06	7.26E-06	8.66E-07	1.15E-06	3.80E-06	2.62E-07
5821	469290.37	3819547.04	1.30E-05	5.45E-05	4.91E-06	1.08E-05	4.01E-05	3.52E-06	1.23E-06	7.02E-06	8.37E-07	1.11E-06	3.67E-06	2.53E-07
5822	469286.87	3819538.13	1.26E-05	5.27E-05	4.75E-06	1.05E-05	3.87E-05	3.41E-06	1.19E-06	6.79E-06	8.10E-07	1.08E-06	3.55E-06	2.45E-07
5823	469283.37	3819529.21	1.22E-05	5.10E-05	4.60E-06	1.01E-05	3.75E-05	3.30E-06	1.15E-06	6.57E-06	7.84E-07	1.04E-06	3.44E-06	2.37E-07
5824	469279.87	3819520.3	1.18E-05	4.94E-05	4.45E-06	9.80E-06	3.63E-05	3.19E-06	1.11E-06	6.36E-06	7.59E-07	1.01E-06	3.33E-06	2.30E-07
5825	469276.37	3819511.39	1.14E-05	4.79E-05	4.31E-06	9.50E-06	3.52E-05	3.09E-06	1.08E-06	6.16E-06	7.35E-07	9.79E-07	3.23E-06	2.22E-07
5826	469272.87	3819502.48	1.11E-05	4.64E-05	4.18E-06	9.20E-06	3.41E-05	3.00E-06	1.04E-06	5.97E-06	7.13E-07	9.49E-07	3.13E-06	2.16E-07
5827	469269.37	3819493.57	1.07E-05	4.50E-05	4.05E-06	8.92E-06	3.31E-05	2.91E-06	1.01E-06	5.79E-06	6.91E-07	9.20E-07	3.03E-06	2.09E-07
5828	469265.87	3819484.66	1.04E-05	4.36E-05	3.93E-06	8.65E-06	3.20E-05	2.82E-06	9.80E-07	5.61E-06	6.70E-07	8.91E-07	2.94E-06	2.03E-07
5829	469262.37	3819475.74	1.01E-05	4.23E-05	3.81E-06	8.38E-06	3.11E-05	2.73E-06	9.50E-07	5.44E-06	6.49E-07	8.64E-07	2.85E-06	1.96E-07
5830	469258.87	3819466.83	9.77E-06	4.10E-05	3.69E-06	8.13E-06	3.01E-05	2.65E-06	9.22E-07	5.28E-06	6.30E-07	8.38E-07	2.76E-06	1.91E-07
5831	469255.37	3819457.92	9.49E-06	3.99E-05	3.59E-06	7.91E-06	2.93E-05	2.58E-06	8.96E-07	5.13E-06	6.12E-07	8.15E-07	2.69E-06	1.85E-07
5832	469251.87	3819449.01	9.23E-06	3.87E-05	3.49E-06	7.69E-06	2.85E-05	2.50E-06	8.71E-07	4.99E-06	5.95E-07	7.92E-07	2.61E-06	1.80E-07
5833	469248.37	3819440.1	8.98E-06	3.77E-05	3.40E-06	7.48E-06	2.77E-05	2.44E-06	8.48E-07	4.86E-06	5.79E-07	7.71E-07	2.54E-06	1.75E-07
5834	470092.73	3820308.32	7.96E-05	3.34E-04	3.01E-05	6.63E-05	2.46E-04	2.16E-05	7.52E-06	4.30E-05	5.13E-06	6.83E-06	2.25E-05	1.55E-06
5835	470102.43	3820308.45	7.93E-05	3.33E-04	3.00E-05	6.60E-05	2.45E-04	2.15E-05	7.49E-06	4.29E-05	5.11E-06	6.81E-06	2.24E-05	1.55E-06
5836	470112.12	3820308.59	7.89E-05	3.31E-04	2.98E-05	6.57E-05	2.43E-04	2.14E-05	7.45E-06	4.27E-05	5.09E-06	6.77E-06	2.23E-05	1.54E-06
5837	470121.82	3820308.72	7.85E-05	3.30E-04	2.97E-05	6.54E-05	2.42E-04	2.13E-05	7.41E-06	4.24E-05	5.06E-06	6.74E-06	2.22E-05	1.53E-06
5838	470131.52	3820308.86	7.80E-05	3.28E-04	2.95E-05	6.50E-05	2.41E-04	2.12E-05	7.37E-06	4.22E-05	5.03E-06	6.70E-06	2.21E-05	1.52E-06
5839	470141.21	3820308.99	7.75E-05	3.25E-04	2.93E-05	6.45E-05	2.39E-04	2.10E-05	7.32E-06	4.19E-05	5.00E-06	6.65E-06	2.19E-05	1.51E-06
5840	470150.91	3820309.13	7.69E-05	3.23E-04	2.91E-05	6.40E-05	2.37E-04	2.09E-05	7.26E-06	4.16E-05	4.96E-06	6.60E-06	2.18E-05	1.50E-06
5841	470160.61	3820309.26	7.62E-05	3.20E-04	2.88E-05	6.35E-05	2.35E-04	2.07E-05	7.20E-06	4.12E-05	4.92E-06	6.54E-06	2.16E-05	1.49E-06
5842	470170.31	3820309.4	7.56E-05	3.17E-04	2.86E-05	6.29E-05	2.33E-04	2.05E-05	7.14E-06	4.08E-05	4.87E-06	6.49E-06	2.14E-05	1.47E-06
5843	470180	3820309.53	7.48E-05	3.14E-04	2.83E-05	6.23E-05	2.31E-04	2.03E-05	7.07E-06	4.04E-05	4.83E-06	6.42E-06	2.12E-05	1.46E-06
5844	470189.7	3820309.67	7.41E-05	3.11E-04	2.80E-05	6.17E-05	2.29E-04	2.01E-05	6.99E-06	4.00E-05	4.78E-06	6.36E-06	2.10E-05	1.45E-06

5845	470199.4	3820309.8	7.33E-05	3.08E-04	2.77E-05	6.10E-05	2.26E-04	1.99E-05	6.92E-06	3.96E-05	4.73E-06	6.29E-06	2.07E-05	1.43E-06
5846	470209.1	3820309.94	7.25E-05	3.04E-04	2.74E-05	6.04E-05	2.24E-04	1.97E-05	6.85E-06	3.92E-05	4.68E-06	6.22E-06	2.05E-05	1.41E-06
5847	470218.79	3820310.07	7.17E-05	3.01E-04	2.71E-05	5.97E-05	2.21E-04	1.95E-05	6.77E-06	3.88E-05	4.63E-06	6.16E-06	2.03E-05	1.40E-06
5848	470228.49	3820310.21	7.09E-05	2.98E-04	2.68E-05	5.91E-05	2.19E-04	1.93E-05	6.70E-06	3.83E-05	4.58E-06	6.09E-06	2.01E-05	1.38E-06
5849	470238.19	3820310.34	7.01E-05	2.95E-04	2.65E-05	5.84E-05	2.16E-04	1.90E-05	6.62E-06	3.79E-05	4.52E-06	6.02E-06	1.99E-05	1.37E-06
5850	470247.88	3820310.48	6.94E-05	2.91E-04	2.62E-05	5.78E-05	2.14E-04	1.88E-05	6.55E-06	3.75E-05	4.47E-06	5.95E-06	1.96E-05	1.35E-06
5851	470257.58	3820310.61	6.86E-05	2.88E-04	2.59E-05	5.71E-05	2.12E-04	1.86E-05	6.47E-06	3.71E-05	4.42E-06	5.89E-06	1.94E-05	1.34E-06
5852	470267.28	3820310.75	6.78E-05	2.85E-04	2.56E-05	5.65E-05	2.09E-04	1.84E-05	6.40E-06	3.67E-05	4.37E-06	5.82E-06	1.92E-05	1.32E-06
5853	470082.78	3820384.49	6.94E-05	2.91E-04	2.62E-05	5.78E-05	2.14E-04	1.88E-05	6.55E-06	3.75E-05	4.47E-06	5.95E-06	1.96E-05	1.35E-06
5854	470073.94	3820380.67	7.00E-05	2.94E-04	2.65E-05	5.83E-05	2.16E-04	1.90E-05	6.61E-06	3.79E-05	4.52E-06	6.01E-06	1.98E-05	1.37E-06
5855	470065.1	3820376.84	7.07E-05	2.97E-04	2.67E-05	5.89E-05	2.18E-04	1.92E-05	6.67E-06	3.82E-05	4.56E-06	6.07E-06	2.00E-05	1.38E-06
5856	470056.27	3820373.02	7.12E-05	2.99E-04	2.69E-05	5.93E-05	2.20E-04	1.93E-05	6.73E-06	3.85E-05	4.60E-06	6.12E-06	2.02E-05	1.39E-06
5857	470047.43	3820369.2	7.18E-05	3.01E-04	2.72E-05	5.98E-05	2.22E-04	1.95E-05	6.78E-06	3.88E-05	4.63E-06	6.16E-06	2.03E-05	1.40E-06
5858	470038.59	3820365.38	7.23E-05	3.04E-04	2.73E-05	6.02E-05	2.23E-04	1.96E-05	6.83E-06	3.91E-05	4.66E-06	6.20E-06	2.05E-05	1.41E-06
5859	470029.76	3820361.56	7.27E-05	3.05E-04	2.75E-05	6.06E-05	2.24E-04	1.97E-05	6.87E-06	3.93E-05	4.69E-06	6.24E-06	2.06E-05	1.42E-06
5860	470020.92	3820357.74	7.31E-05	3.07E-04	2.76E-05	6.09E-05	2.26E-04	1.98E-05	6.90E-06	3.95E-05	4.72E-06	6.28E-06	2.07E-05	1.43E-06
5861	470012.08	3820353.92	7.34E-05	3.08E-04	2.78E-05	6.12E-05	2.27E-04	1.99E-05	6.93E-06	3.97E-05	4.74E-06	6.30E-06	2.08E-05	1.43E-06
5862	470003.24	3820350.1	7.37E-05	3.10E-04	2.79E-05	6.14E-05	2.27E-04	2.00E-05	6.96E-06	3.98E-05	4.75E-06	6.33E-06	2.09E-05	1.44E-06
5863	469994.41	3820346.27	7.39E-05	3.10E-04	2.80E-05	6.16E-05	2.28E-04	2.01E-05	6.98E-06	4.00E-05	4.77E-06	6.35E-06	2.09E-05	1.44E-06
5864	469985.57	3820342.45	7.41E-05	3.11E-04	2.80E-05	6.17E-05	2.29E-04	2.01E-05	7.00E-06	4.01E-05	4.78E-06	6.36E-06	2.10E-05	1.45E-06
5865	469976.73	3820338.63	7.42E-05	3.12E-04	2.81E-05	6.18E-05	2.29E-04	2.01E-05	7.01E-06	4.01E-05	4.79E-06	6.37E-06	2.10E-05	1.45E-06
5866	469967.9	3820334.81	7.42E-05	3.12E-04	2.81E-05	6.18E-05	2.29E-04	2.02E-05	7.01E-06	4.01E-05	4.79E-06	6.37E-06	2.10E-05	1.45E-06
5867	469959.06	3820330.99	7.42E-05	3.12E-04	2.81E-05	6.18E-05	2.29E-04	2.02E-05	7.01E-06	4.01E-05	4.79E-06	6.37E-06	2.10E-05	1.45E-06
5868	469950.22	3820327.17	7.42E-05	3.11E-04	2.80E-05	6.18E-05	2.29E-04	2.01E-05	7.00E-06	4.01E-05	4.78E-06	6.37E-06	2.10E-05	1.45E-06
5869	469941.39	3820323.35	7.40E-05	3.11E-04	2.80E-05	6.17E-05	2.28E-04	2.01E-05	6.99E-06	4.00E-05	4.78E-06	6.36E-06	2.10E-05	1.44E-06
5870	469932.55	3820319.52	7.39E-05	3.10E-04	2.79E-05	6.15E-05	2.28E-04	2.01E-05	6.98E-06	3.99E-05	4.76E-06	6.34E-06	2.09E-05	1.44E-06
5871	469923.71	3820315.7	7.36E-05	3.09E-04	2.79E-05	6.13E-05	2.27E-04	2.00E-05	6.95E-06	3.98E-05	4.75E-06	6.32E-06	2.08E-05	1.44E-06
5872	469914.87	3820311.88	7.34E-05	3.08E-04	2.77E-05	6.11E-05	2.26E-04	1.99E-05	6.93E-06	3.97E-05	4.73E-06	6.30E-06	2.08E-05	1.43E-06
5873	469906.04	3820308.06	7.30E-05	3.07E-04	2.76E-05	6.08E-05	2.25E-04	1.98E-05	6.90E-06	3.95E-05	4.71E-06	6.27E-06	2.07E-05	1.43E-06
5874	469853.01	3820285.13	7.03E-05	2.95E-04	2.66E-05	5.85E-05	2.17E-04	1.91E-05	6.64E-06	3.80E-05	4.53E-06	6.03E-06	1.99E-05	1.37E-06
5875	469844.18	3820281.31	6.97E-05	2.93E-04	2.64E-05	5.81E-05	2.15E-04	1.89E-05	6.58E-06	3.77E-05	4.50E-06	5.98E-06	1.97E-05	1.36E-06
5876	469835.34	3820277.49	6.91E-05	2.90E-04	2.61E-05	5.76E-05	2.13E-04	1.88E-05	6.53E-06	3.74E-05	4.46E-06	5.93E-06	1.96E-05	1.35E-06
5877	469826.5	3820273.67	6.85E-05	2.88E-04	2.59E-05	5.71E-05	2.11E-04	1.86E-05	6.47E-06	3.70E-05	4.42E-06	5.88E-06	1.94E-05	1.34E-06
5878	469817.67	3820269.85	6.79E-05	2.85E-04	2.57E-05	5.66E-05	2.10E-04	1.84E-05	6.41E-06	3.67E-05	4.38E-06	5.83E-06	1.92E-05	1.32E-06
5879	469808.83	3820266.02	6.73E-05	2.82E-04	2.54E-05	5.60E-05	2.08E-04	1.83E-05	6.35E-06	3.64E-05	4.34E-06	5.77E-06	1.90E-05	1.31E-06
5880	469799.99	3820262.2	6.66E-05	2.80E-04	2.52E-05	5.55E-05	2.06E-04	1.81E-05	6.29E-06	3.60E-05	4.30E-06	5.72E-06	1.89E-05	1.30E-06
5881	469791.16	3820258.38	6.59E-05	2.77E-04	2.49E-05	5.49E-05	2.04E-04	1.79E-05	6.23E-06	3.57E-05	4.25E-06	5.66E-06	1.87E-05	1.29E-06
5882	469782.32	3820254.56	6.53E-05	2.74E-04	2.47E-05	5.44E-05	2.01E-04	1.77E-05	6.16E-06	3.53E-05	4.21E-06	5.60E-06	1.85E-05	1.27E-06
5883	469773.48	3820250.74	6.46E-05	2.71E-04	2.44E-05	5.38E-05	1.99E-04	1.75E-05	6.10E-06	3.49E-05	4.17E-06	5.55E-06	1.83E-05	1.26E-06
5884	469764.64	3820246.92	6.39E-05	2.69E-04	2.42E-05	5.33E-05	1.97E-04	1.74E-05	6.04E-06	3.46E-05	4.12E-06	5.49E-06	1.81E-05	1.25E-06
5885	469755.81	3820243.1	6.33E-05	2.66E-04	2.39E-05	5.27E-05	1.95E-04	1.72E-05	5.97E-06	3.42E-05	4.08E-06	5.43E-06	1.79E-05	1.23E-06
5886	469746.97	3820239.28	6.26E-05	2.63E-04	2.37E-05	5.21E-05	1.93E-04	1.70E-05	5.91E-06	3.38E-05	4.04E-06	5.37E-06	1.77E-05	1.22E-06
5887	469738.13	3820235.45	6.20E-05	2.60E-04	2.34E-05	5.16E-05	1.91E-04	1.68E-05	5.85E-06	3.35E-05	4.00E-06	5.32E-06	1.75E-05	1.21E-06

5888	469729.3	3820231.63	6.13E-05	2.57E-04	2.32E-05	5.11E-05	1.89E-04	1.66E-05	5.79E-06	3.31E-05	3.95E-06	5.26E-06	1.74E-05	1.20E-06
5889	469720.46	3820227.81	6.07E-05	2.55E-04	2.29E-05	5.05E-05	1.87E-04	1.65E-05	5.73E-06	3.28E-05	3.91E-06	5.21E-06	1.72E-05	1.18E-06
5890	469711.62	3820223.99	6.00E-05	2.52E-04	2.27E-05	5.00E-05	1.85E-04	1.63E-05	5.67E-06	3.24E-05	3.87E-06	5.15E-06	1.70E-05	1.17E-06
5891	469702.78	3820220.17	5.94E-05	2.49E-04	2.25E-05	4.95E-05	1.83E-04	1.61E-05	5.61E-06	3.21E-05	3.83E-06	5.10E-06	1.68E-05	1.16E-06
5892	469667.44	3820204.88	5.69E-05	2.39E-04	2.15E-05	4.74E-05	1.76E-04	1.55E-05	5.38E-06	3.08E-05	3.67E-06	4.89E-06	1.61E-05	1.11E-06
5893	469658.6	3820201.06	5.63E-05	2.37E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.32E-06	3.05E-05	3.63E-06	4.84E-06	1.59E-05	1.10E-06
5894	469649.76	3820197.24	5.58E-05	2.34E-04	2.11E-05	4.64E-05	1.72E-04	1.51E-05	5.27E-06	3.01E-05	3.60E-06	4.79E-06	1.58E-05	1.09E-06
5895	469640.93	3820193.42	5.52E-05	2.32E-04	2.09E-05	4.60E-05	1.70E-04	1.50E-05	5.21E-06	2.98E-05	3.56E-06	4.74E-06	1.56E-05	1.08E-06
5896	469632.09	3820189.6	5.46E-05	2.29E-04	2.06E-05	4.55E-05	1.68E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
5897	469623.25	3820185.78	5.40E-05	2.27E-04	2.04E-05	4.50E-05	1.67E-04	1.47E-05	5.10E-06	2.92E-05	3.48E-06	4.64E-06	1.53E-05	1.05E-06
5898	469614.41	3820181.95	5.35E-05	2.25E-04	2.02E-05	4.45E-05	1.65E-04	1.45E-05	5.05E-06	2.89E-05	3.45E-06	4.59E-06	1.51E-05	1.04E-06
5899	469605.58	3820178.13	5.29E-05	2.22E-04	2.00E-05	4.41E-05	1.63E-04	1.44E-05	5.00E-06	2.86E-05	3.41E-06	4.54E-06	1.50E-05	1.03E-06
5900	469517.21	3820139.92	4.72E-05	1.98E-04	1.78E-05	3.93E-05	1.46E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.05E-06	1.34E-05	9.20E-07
5901	469508.37	3820136.1	4.66E-05	1.96E-04	1.76E-05	3.88E-05	1.44E-04	1.26E-05	4.40E-06	2.52E-05	3.00E-06	4.00E-06	1.32E-05	9.09E-07
5902	469499.53	3820132.28	4.60E-05	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.34E-06	2.48E-05	2.96E-06	3.95E-06	1.30E-05	8.97E-07
5903	469490.7	3820128.46	4.53E-05	1.90E-04	1.72E-05	3.78E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.93E-06	3.89E-06	1.28E-05	8.85E-07
5904	469481.86	3820124.63	4.47E-05	1.88E-04	1.69E-05	3.73E-05	1.38E-04	1.21E-05	4.22E-06	2.42E-05	2.89E-06	3.84E-06	1.27E-05	8.73E-07
5905	469473.02	3820120.81	4.41E-05	1.85E-04	1.67E-05	3.67E-05	1.36E-04	1.20E-05	4.17E-06	2.38E-05	2.84E-06	3.79E-06	1.25E-05	8.61E-07
5906	469464.18	3820116.99	4.35E-05	1.83E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.11E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.48E-07
5907	469455.35	3820113.17	4.28E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.76E-06	3.68E-06	1.21E-05	8.36E-07
5908	469446.51	3820109.35	4.22E-05	1.77E-04	1.60E-05	3.51E-05	1.30E-04	1.15E-05	3.98E-06	2.28E-05	2.72E-06	3.62E-06	1.19E-05	8.23E-07
5909	469437.67	3820105.53	4.15E-05	1.74E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.92E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.11E-07
5910	469425.32	3820092.74	4.07E-05	1.71E-04	1.54E-05	3.39E-05	1.26E-04	1.11E-05	3.85E-06	2.20E-05	2.63E-06	3.50E-06	1.15E-05	7.95E-07
5911	469421.8	3820083.78	4.05E-05	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.91E-07
5912	469418.28	3820074.82	4.03E-05	1.69E-04	1.53E-05	3.36E-05	1.24E-04	1.09E-05	3.81E-06	2.18E-05	2.60E-06	3.46E-06	1.14E-05	7.87E-07
5913	469414.76	3820065.86	4.01E-05	1.68E-04	1.52E-05	3.34E-05	1.24E-04	1.09E-05	3.79E-06	2.17E-05	2.59E-06	3.44E-06	1.14E-05	7.83E-07
5914	469411.24	3820056.9	3.99E-05	1.67E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.78E-07
5915	469407.72	3820047.94	3.96E-05	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.07E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.72E-07
5916	469404.2	3820038.97	3.93E-05	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.67E-07
5917	469319.74	3819823.89	2.69E-05	1.13E-04	1.02E-05	2.24E-05	8.29E-05	7.29E-06	2.54E-06	1.45E-05	1.73E-06	2.31E-06	7.61E-06	5.24E-07
5918	469316.22	3819814.93	2.62E-05	1.10E-04	9.91E-06	2.18E-05	8.09E-05	7.11E-06	2.47E-06	1.42E-05	1.69E-06	2.25E-06	7.42E-06	5.11E-07
5919	469312.7	3819805.97	2.55E-05	1.07E-04	9.66E-06	2.13E-05	7.88E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.23E-06	4.98E-07
5920	469309.18	3819797.01	2.49E-05	1.04E-04	9.41E-06	2.07E-05	7.68E-05	6.75E-06	2.35E-06	1.34E-05	1.60E-06	2.14E-06	7.04E-06	4.85E-07
5921	469305.66	3819788.05	2.42E-05	1.02E-04	9.16E-06	2.02E-05	7.47E-05	6.58E-06	2.29E-06	1.31E-05	1.56E-06	2.08E-06	6.86E-06	4.73E-07
5922	469302.14	3819779.09	2.36E-05	9.90E-05	8.91E-06	1.96E-05	7.27E-05	6.40E-06	2.23E-06	1.27E-05	1.52E-06	2.02E-06	6.67E-06	4.60E-07
5923	469298.62	3819770.12	2.29E-05	9.63E-05	8.67E-06	1.91E-05	7.07E-05	6.22E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.49E-06	4.47E-07
5924	469295.1	3819761.16	2.23E-05	9.36E-05	8.43E-06	1.86E-05	6.88E-05	6.05E-06	2.10E-06	1.20E-05	1.44E-06	1.91E-06	6.31E-06	4.35E-07
5925	469291.58	3819752.2	2.17E-05	9.09E-05	8.19E-06	1.80E-05	6.68E-05	5.88E-06	2.04E-06	1.17E-05	1.40E-06	1.86E-06	6.13E-06	4.22E-07
5926	469288.06	3819743.24	2.10E-05	8.83E-05	7.95E-06	1.75E-05	6.49E-05	5.71E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.95E-06	4.10E-07
5927	469284.54	3819734.28	2.04E-05	8.57E-05	7.72E-06	1.70E-05	6.30E-05	5.54E-06	1.93E-06	1.10E-05	1.32E-06	1.75E-06	5.78E-06	3.98E-07
5928	469281.03	3819725.32	1.98E-05	8.31E-05	7.48E-06	1.65E-05	6.10E-05	5.37E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.60E-06	3.86E-07
5929	469277.51	3819716.35	1.92E-05	8.05E-05	7.25E-06	1.60E-05	5.91E-05	5.20E-06	1.81E-06	1.04E-05	1.24E-06	1.64E-06	5.42E-06	3.74E-07
5930	469273.99	3819707.39	1.86E-05	7.79E-05	7.02E-06	1.55E-05	5.72E-05	5.04E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.25E-06	3.62E-07

5931	469270.47	3819698.43	1.80E-05	7.54E-05	6.79E-06	1.50E-05	5.54E-05	4.88E-06	1.70E-06	9.71E-06	1.16E-06	1.54E-06	5.08E-06	3.51E-07
5932	469266.95	3819689.47	1.74E-05	7.31E-05	6.58E-06	1.45E-05	5.37E-05	4.72E-06	1.64E-06	9.40E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
5933	469263.43	3819680.51	1.68E-05	7.07E-05	6.37E-06	1.40E-05	5.20E-05	4.57E-06	1.59E-06	9.11E-06	1.09E-06	1.45E-06	4.77E-06	3.29E-07
5934	469259.91	3819671.55	1.63E-05	6.85E-05	6.17E-06	1.36E-05	5.03E-05	4.43E-06	1.54E-06	8.82E-06	1.05E-06	1.40E-06	4.62E-06	3.18E-07
5935	469256.39	3819662.59	1.58E-05	6.63E-05	5.97E-06	1.31E-05	4.87E-05	4.28E-06	1.49E-06	8.53E-06	1.02E-06	1.35E-06	4.47E-06	3.08E-07
5936	469252.87	3819653.62	1.53E-05	6.41E-05	5.78E-06	1.27E-05	4.71E-05	4.15E-06	1.44E-06	8.26E-06	9.85E-07	1.31E-06	4.32E-06	2.98E-07
5937	469249.35	3819644.66	1.48E-05	6.21E-05	5.59E-06	1.23E-05	4.56E-05	4.01E-06	1.40E-06	7.99E-06	9.54E-07	1.27E-06	4.18E-06	2.88E-07
5938	469245.83	3819635.7	1.43E-05	6.01E-05	5.41E-06	1.19E-05	4.41E-05	3.88E-06	1.35E-06	7.73E-06	9.22E-07	1.23E-06	4.05E-06	2.79E-07
5939	469242.31	3819626.74	1.38E-05	5.81E-05	5.23E-06	1.15E-05	4.27E-05	3.76E-06	1.31E-06	7.48E-06	8.93E-07	1.19E-06	3.92E-06	2.70E-07
5940	469238.79	3819617.78	1.34E-05	5.62E-05	5.07E-06	1.12E-05	4.13E-05	3.64E-06	1.26E-06	7.24E-06	8.64E-07	1.15E-06	3.79E-06	2.61E-07
5941	469235.27	3819608.82	1.30E-05	5.44E-05	4.90E-06	1.08E-05	4.00E-05	3.52E-06	1.22E-06	7.00E-06	8.35E-07	1.11E-06	3.67E-06	2.53E-07
5942	469231.76	3819599.85	1.25E-05	5.26E-05	4.74E-06	1.04E-05	3.86E-05	3.40E-06	1.18E-06	6.77E-06	8.08E-07	1.07E-06	3.54E-06	2.44E-07
5943	469228.24	3819590.89	1.21E-05	5.08E-05	4.58E-06	1.01E-05	3.74E-05	3.29E-06	1.14E-06	6.55E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
5944	469224.72	3819581.93	1.17E-05	4.92E-05	4.43E-06	9.76E-06	3.62E-05	3.18E-06	1.11E-06	6.34E-06	7.56E-07	1.01E-06	3.32E-06	2.29E-07
5945	469221.2	3819572.97	1.13E-05	4.77E-05	4.29E-06	9.45E-06	3.50E-05	3.08E-06	1.07E-06	6.13E-06	7.32E-07	9.74E-07	3.21E-06	2.21E-07
5946	469217.68	3819564.01	1.10E-05	4.62E-05	4.16E-06	9.16E-06	3.39E-05	2.99E-06	1.04E-06	5.94E-06	7.09E-07	9.44E-07	3.11E-06	2.15E-07
5947	469214.16	3819555.05	1.07E-05	4.48E-05	4.03E-06	8.88E-06	3.29E-05	2.89E-06	1.01E-06	5.76E-06	6.88E-07	9.15E-07	3.02E-06	2.08E-07
5948	469210.64	3819546.08	1.03E-05	4.34E-05	3.91E-06	8.61E-06	3.19E-05	2.81E-06	9.76E-07	5.59E-06	6.67E-07	8.87E-07	2.93E-06	2.02E-07
5949	469207.12	3819537.12	1.00E-05	4.21E-05	3.79E-06	8.35E-06	3.09E-05	2.72E-06	9.47E-07	5.42E-06	6.47E-07	8.61E-07	2.84E-06	1.96E-07
5950	469203.6	3819528.16	9.73E-06	4.09E-05	3.68E-06	8.11E-06	3.00E-05	2.64E-06	9.19E-07	5.26E-06	6.28E-07	8.35E-07	2.75E-06	1.90E-07
5951	469200.08	3819519.2	9.45E-06	3.97E-05	3.57E-06	7.87E-06	2.92E-05	2.57E-06	8.93E-07	5.11E-06	6.10E-07	8.11E-07	2.68E-06	1.84E-07
5952	469196.56	3819510.24	9.18E-06	3.86E-05	3.47E-06	7.65E-06	2.83E-05	2.49E-06	8.67E-07	4.96E-06	5.92E-07	7.88E-07	2.60E-06	1.79E-07
5953	469193.04	3819501.28	8.93E-06	3.75E-05	3.38E-06	7.44E-06	2.76E-05	2.42E-06	8.43E-07	4.83E-06	5.76E-07	7.66E-07	2.53E-06	1.74E-07
5954	469189.52	3819492.31	8.68E-06	3.64E-05	3.28E-06	7.23E-06	2.68E-05	2.36E-06	8.20E-07	4.69E-06	5.60E-07	7.45E-07	2.46E-06	1.69E-07
5955	469186	3819483.35	8.43E-06	3.54E-05	3.19E-06	7.02E-06	2.60E-05	2.29E-06	7.96E-07	4.56E-06	5.44E-07	7.24E-07	2.39E-06	1.65E-07
5956	469182.48	3819474.39	8.20E-06	3.44E-05	3.10E-06	6.83E-06	2.53E-05	2.23E-06	7.75E-07	4.43E-06	5.29E-07	7.04E-07	2.32E-06	1.60E-07
5957	469178.97	3819465.43	7.98E-06	3.35E-05	3.02E-06	6.65E-06	2.46E-05	2.17E-06	7.54E-07	4.31E-06	5.15E-07	6.85E-07	2.26E-06	1.56E-07
5958	469175.45	3819456.47	7.78E-06	3.27E-05	2.94E-06	6.48E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.68E-07	2.20E-06	1.52E-07
5959	469171.93	3819447.51	7.59E-06	3.19E-05	2.87E-06	6.32E-06	2.34E-05	2.06E-06	7.16E-07	4.10E-06	4.89E-07	6.51E-07	2.15E-06	1.48E-07
5960	469168.41	3819438.54	7.40E-06	3.11E-05	2.80E-06	6.17E-06	2.28E-05	2.01E-06	6.99E-07	4.00E-06	4.78E-07	6.36E-07	2.10E-06	1.44E-07
5961	470091.62	3820388.31	6.87E-05	2.88E-04	2.60E-05	5.72E-05	2.12E-04	1.86E-05	6.48E-06	3.71E-05	4.43E-06	5.89E-06	1.94E-05	1.34E-06
5962	470101.31	3820388.44	6.83E-05	2.87E-04	2.58E-05	5.69E-05	2.11E-04	1.85E-05	6.45E-06	3.69E-05	4.41E-06	5.87E-06	1.93E-05	1.33E-06
5963	470111.01	3820388.58	6.80E-05	2.85E-04	2.57E-05	5.66E-05	2.10E-04	1.84E-05	6.42E-06	3.67E-05	4.38E-06	5.83E-06	1.92E-05	1.33E-06
5964	470120.71	3820388.71	6.76E-05	2.84E-04	2.56E-05	5.63E-05	2.09E-04	1.83E-05	6.38E-06	3.65E-05	4.36E-06	5.80E-06	1.91E-05	1.32E-06
5965	470130.4	3820388.85	6.72E-05	2.82E-04	2.54E-05	5.60E-05	2.07E-04	1.82E-05	6.34E-06	3.63E-05	4.33E-06	5.77E-06	1.90E-05	1.31E-06
5966	470140.1	3820388.98	6.67E-05	2.80E-04	2.52E-05	5.56E-05	2.06E-04	1.81E-05	6.30E-06	3.61E-05	4.30E-06	5.73E-06	1.89E-05	1.30E-06
5967	470149.8	3820389.12	6.62E-05	2.78E-04	2.50E-05	5.51E-05	2.04E-04	1.80E-05	6.25E-06	3.58E-05	4.27E-06	5.68E-06	1.87E-05	1.29E-06
5968	470159.5	3820389.25	6.56E-05	2.76E-04	2.48E-05	5.47E-05	2.02E-04	1.78E-05	6.20E-06	3.55E-05	4.23E-06	5.63E-06	1.86E-05	1.28E-06
5969	470169.19	3820389.39	6.50E-05	2.73E-04	2.46E-05	5.42E-05	2.01E-04	1.77E-05	6.14E-06	3.52E-05	4.19E-06	5.58E-06	1.84E-05	1.27E-06
5970	470178.89	3820389.52	6.44E-05	2.71E-04	2.44E-05	5.37E-05	1.99E-04	1.75E-05	6.09E-06	3.48E-05	4.16E-06	5.53E-06	1.82E-05	1.26E-06
5971	470188.59	3820389.66	6.39E-05	2.68E-04	2.41E-05	5.32E-05	1.97E-04	1.73E-05	6.03E-06	3.45E-05	4.12E-06	5.48E-06	1.81E-05	1.25E-06
5972	470198.28	3820389.79	6.32E-05	2.66E-04	2.39E-05	5.27E-05	1.95E-04	1.72E-05	5.97E-06	3.42E-05	4.08E-06	5.43E-06	1.79E-05	1.23E-06
5973	470207.98	3820389.93	6.26E-05	2.63E-04	2.37E-05	5.22E-05	1.93E-04	1.70E-05	5.91E-06	3.39E-05	4.04E-06	5.38E-06	1.77E-05	1.22E-06

5974	470217.68	3820390.06	6.20E-05	2.60E-04	2.34E-05	5.16E-05	1.91E-04	1.68E-05	5.85E-06	3.35E-05	4.00E-06	5.32E-06	1.75E-05	1.21E-06
5975	470227.38	3820390.2	6.14E-05	2.58E-04	2.32E-05	5.11E-05	1.89E-04	1.67E-05	5.79E-06	3.32E-05	3.96E-06	5.27E-06	1.74E-05	1.20E-06
5976	470237.07	3820390.33	6.07E-05	2.55E-04	2.30E-05	5.06E-05	1.87E-04	1.65E-05	5.73E-06	3.28E-05	3.92E-06	5.21E-06	1.72E-05	1.18E-06
5977	470246.77	3820390.47	6.01E-05	2.52E-04	2.27E-05	5.00E-05	1.85E-04	1.63E-05	5.67E-06	3.25E-05	3.87E-06	5.16E-06	1.70E-05	1.17E-06
5978	470256.47	3820390.6	5.94E-05	2.49E-04	2.25E-05	4.95E-05	1.83E-04	1.61E-05	5.61E-06	3.21E-05	3.83E-06	5.10E-06	1.68E-05	1.16E-06
5979	470266.17	3820390.74	5.88E-05	2.47E-04	2.22E-05	4.90E-05	1.81E-04	1.60E-05	5.55E-06	3.18E-05	3.79E-06	5.05E-06	1.66E-05	1.15E-06
5980	470081.62	3820464.46	6.06E-05	2.55E-04	2.29E-05	5.05E-05	1.87E-04	1.65E-05	5.72E-06	3.28E-05	3.91E-06	5.20E-06	1.72E-05	1.18E-06
5981	470072.74	3820460.62	6.12E-05	2.57E-04	2.31E-05	5.10E-05	1.89E-04	1.66E-05	5.78E-06	3.31E-05	3.95E-06	5.25E-06	1.73E-05	1.19E-06
5982	470063.86	3820456.78	6.18E-05	2.59E-04	2.34E-05	5.14E-05	1.91E-04	1.68E-05	5.83E-06	3.34E-05	3.98E-06	5.30E-06	1.75E-05	1.21E-06
5983	470054.99	3820452.94	6.23E-05	2.62E-04	2.36E-05	5.19E-05	1.92E-04	1.69E-05	5.88E-06	3.37E-05	4.02E-06	5.35E-06	1.76E-05	1.22E-06
5984	470046.11	3820449.1	6.28E-05	2.64E-04	2.37E-05	5.23E-05	1.94E-04	1.70E-05	5.93E-06	3.39E-05	4.05E-06	5.39E-06	1.78E-05	1.22E-06
5985	470037.23	3820445.26	6.32E-05	2.66E-04	2.39E-05	5.27E-05	1.95E-04	1.72E-05	5.97E-06	3.42E-05	4.08E-06	5.43E-06	1.79E-05	1.23E-06
5986	470028.35	3820441.43	6.37E-05	2.67E-04	2.41E-05	5.30E-05	1.97E-04	1.73E-05	6.01E-06	3.44E-05	4.11E-06	5.47E-06	1.80E-05	1.24E-06
5987	470019.47	3820437.59	6.41E-05	2.69E-04	2.42E-05	5.34E-05	1.98E-04	1.74E-05	6.05E-06	3.46E-05	4.13E-06	5.50E-06	1.81E-05	1.25E-06
5988	470010.59	3820433.75	6.44E-05	2.70E-04	2.44E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
5989	470001.71	3820429.91	6.47E-05	2.72E-04	2.45E-05	5.39E-05	2.00E-04	1.76E-05	6.11E-06	3.50E-05	4.17E-06	5.55E-06	1.83E-05	1.26E-06
5990	469992.83	3820426.07	6.49E-05	2.73E-04	2.46E-05	5.41E-05	2.00E-04	1.76E-05	6.13E-06	3.51E-05	4.19E-06	5.57E-06	1.84E-05	1.27E-06
5991	469983.96	3820422.23	6.51E-05	2.73E-04	2.46E-05	5.42E-05	2.01E-04	1.77E-05	6.15E-06	3.52E-05	4.20E-06	5.59E-06	1.84E-05	1.27E-06
5992	469975.08	3820418.39	6.53E-05	2.74E-04	2.47E-05	5.44E-05	2.01E-04	1.77E-05	6.17E-06	3.53E-05	4.21E-06	5.61E-06	1.85E-05	1.27E-06
5993	469966.2	3820414.55	6.54E-05	2.75E-04	2.47E-05	5.45E-05	2.02E-04	1.78E-05	6.18E-06	3.54E-05	4.22E-06	5.62E-06	1.85E-05	1.28E-06
5994	469957.32	3820410.71	6.55E-05	2.75E-04	2.48E-05	5.45E-05	2.02E-04	1.78E-05	6.18E-06	3.54E-05	4.22E-06	5.62E-06	1.85E-05	1.28E-06
5995	469948.44	3820406.87	6.55E-05	2.75E-04	2.48E-05	5.45E-05	2.02E-04	1.78E-05	6.18E-06	3.54E-05	4.22E-06	5.62E-06	1.85E-05	1.28E-06
5996	469939.56	3820403.03	6.54E-05	2.75E-04	2.47E-05	5.45E-05	2.02E-04	1.78E-05	6.18E-06	3.54E-05	4.22E-06	5.62E-06	1.85E-05	1.28E-06
5997	469930.68	3820399.19	6.54E-05	2.74E-04	2.47E-05	5.44E-05	2.02E-04	1.77E-05	6.17E-06	3.53E-05	4.22E-06	5.61E-06	1.85E-05	1.28E-06
5998	469921.8	3820395.35	6.52E-05	2.74E-04	2.47E-05	5.43E-05	2.01E-04	1.77E-05	6.16E-06	3.53E-05	4.21E-06	5.60E-06	1.85E-05	1.27E-06
5999	469912.92	3820391.51	6.51E-05	2.73E-04	2.46E-05	5.42E-05	2.01E-04	1.77E-05	6.15E-06	3.52E-05	4.20E-06	5.59E-06	1.84E-05	1.27E-06
6000	469904.05	3820387.67	6.49E-05	2.73E-04	2.45E-05	5.41E-05	2.00E-04	1.76E-05	6.13E-06	3.51E-05	4.19E-06	5.57E-06	1.84E-05	1.27E-06
6001	469895.17	3820383.83	6.47E-05	2.72E-04	2.45E-05	5.39E-05	2.00E-04	1.76E-05	6.11E-06	3.50E-05	4.17E-06	5.55E-06	1.83E-05	1.26E-06
6002	469886.29	3820379.99	6.44E-05	2.70E-04	2.44E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
6003	469877.41	3820376.15	6.41E-05	2.69E-04	2.42E-05	5.34E-05	1.98E-04	1.74E-05	6.05E-06	3.46E-05	4.13E-06	5.50E-06	1.81E-05	1.25E-06
6004	469868.53	3820372.31	6.37E-05	2.68E-04	2.41E-05	5.31E-05	1.97E-04	1.73E-05	6.02E-06	3.45E-05	4.11E-06	5.47E-06	1.80E-05	1.24E-06
6005	469859.65	3820368.48	6.33E-05	2.66E-04	2.40E-05	5.28E-05	1.95E-04	1.72E-05	5.98E-06	3.42E-05	4.09E-06	5.44E-06	1.79E-05	1.24E-06
6006	469850.77	3820364.64	6.29E-05	2.64E-04	2.38E-05	5.24E-05	1.94E-04	1.71E-05	5.94E-06	3.40E-05	4.06E-06	5.40E-06	1.78E-05	1.23E-06
6007	469841.89	3820360.8	6.25E-05	2.62E-04	2.36E-05	5.21E-05	1.93E-04	1.70E-05	5.90E-06	3.38E-05	4.03E-06	5.36E-06	1.77E-05	1.22E-06
6008	469833.02	3820356.96	6.20E-05	2.61E-04	2.35E-05	5.17E-05	1.91E-04	1.68E-05	5.86E-06	3.35E-05	4.00E-06	5.33E-06	1.76E-05	1.21E-06
6009	469824.14	3820353.12	6.16E-05	2.59E-04	2.33E-05	5.13E-05	1.90E-04	1.67E-05	5.81E-06	3.33E-05	3.97E-06	5.29E-06	1.74E-05	1.20E-06
6010	469815.26	3820349.28	6.11E-05	2.56E-04	2.31E-05	5.09E-05	1.88E-04	1.66E-05	5.77E-06	3.30E-05	3.94E-06	5.24E-06	1.73E-05	1.19E-06
6011	469806.38	3820345.44	6.06E-05	2.54E-04	2.29E-05	5.04E-05	1.87E-04	1.64E-05	5.72E-06	3.27E-05	3.91E-06	5.20E-06	1.71E-05	1.18E-06
6012	469797.5	3820341.6	6.00E-05	2.52E-04	2.27E-05	5.00E-05	1.85E-04	1.63E-05	5.67E-06	3.25E-05	3.87E-06	5.15E-06	1.70E-05	1.17E-06
6013	469788.62	3820337.76	5.95E-05	2.50E-04	2.25E-05	4.96E-05	1.84E-04	1.62E-05	5.62E-06	3.22E-05	3.84E-06	5.11E-06	1.68E-05	1.16E-06
6014	469726.47	3820310.88	5.56E-05	2.33E-04	2.10E-05	4.63E-05	1.72E-04	1.51E-05	5.25E-06	3.00E-05	3.58E-06	4.77E-06	1.57E-05	1.08E-06
6015	469717.59	3820307.04	5.50E-05	2.31E-04	2.08E-05	4.58E-05	1.70E-04	1.49E-05	5.20E-06	2.97E-05	3.55E-06	4.72E-06	1.56E-05	1.07E-06
6016	469708.71	3820303.2	5.45E-05	2.29E-04	2.06E-05	4.54E-05	1.68E-04	1.48E-05	5.14E-06	2.94E-05	3.51E-06	4.68E-06	1.54E-05	1.06E-06

6017	469699.83	3820299.37	5.39E-05	2.26E-04	2.04E-05	4.49E-05	1.66E-04	1.46E-05	5.09E-06	2.92E-05	3.48E-06	4.63E-06	1.53E-05	1.05E-06
6018	469611.04	3820260.97	4.89E-05	2.05E-04	1.85E-05	4.07E-05	1.51E-04	1.33E-05	4.62E-06	2.64E-05	3.15E-06	4.20E-06	1.38E-05	9.54E-07
6019	469602.17	3820257.13	4.84E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.57E-06	2.62E-05	3.12E-06	4.16E-06	1.37E-05	9.45E-07
6020	469593.29	3820253.29	4.79E-05	2.01E-04	1.81E-05	3.99E-05	1.48E-04	1.30E-05	4.53E-06	2.59E-05	3.09E-06	4.12E-06	1.36E-05	9.36E-07
6021	469584.41	3820249.45	4.75E-05	1.99E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.48E-06	2.57E-05	3.06E-06	4.08E-06	1.34E-05	9.27E-07
6022	469575.53	3820245.61	4.70E-05	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.44E-06	2.54E-05	3.03E-06	4.04E-06	1.33E-05	9.18E-07
6023	469566.65	3820241.77	4.66E-05	1.96E-04	1.76E-05	3.88E-05	1.44E-04	1.26E-05	4.40E-06	2.52E-05	3.00E-06	4.00E-06	1.32E-05	9.09E-07
6024	469557.77	3820237.93	4.61E-05	1.94E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.36E-06	2.49E-05	2.98E-06	3.96E-06	1.31E-05	9.00E-07
6025	469548.89	3820234.09	4.57E-05	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.31E-06	2.47E-05	2.95E-06	3.92E-06	1.29E-05	8.91E-07
6026	469540.01	3820230.26	4.52E-05	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.27E-06	2.45E-05	2.92E-06	3.88E-06	1.28E-05	8.83E-07
6027	469531.13	3820226.42	4.48E-05	1.88E-04	1.69E-05	3.73E-05	1.38E-04	1.22E-05	4.23E-06	2.42E-05	2.89E-06	3.84E-06	1.27E-05	8.74E-07
6028	469522.26	3820222.58	4.43E-05	1.86E-04	1.68E-05	3.69E-05	1.37E-04	1.20E-05	4.19E-06	2.40E-05	2.86E-06	3.81E-06	1.25E-05	8.65E-07
6029	469513.38	3820218.74	4.39E-05	1.84E-04	1.66E-05	3.66E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.77E-06	1.24E-05	8.56E-07
6030	469504.5	3820214.9	4.34E-05	1.82E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.47E-07
6031	469495.62	3820211.06	4.30E-05	1.80E-04	1.62E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.38E-07
6032	469486.74	3820207.22	4.25E-05	1.78E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.01E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.29E-07
6033	469477.86	3820203.38	4.20E-05	1.76E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.97E-06	2.27E-05	2.71E-06	3.61E-06	1.19E-05	8.20E-07
6034	469468.98	3820199.54	4.16E-05	1.75E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.92E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.11E-07
6035	469460.1	3820195.7	4.11E-05	1.72E-04	1.55E-05	3.42E-05	1.27E-04	1.11E-05	3.88E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.01E-07
6036	469451.23	3820191.86	4.06E-05	1.70E-04	1.54E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.92E-07
6037	469442.35	3820188.02	4.01E-05	1.68E-04	1.52E-05	3.34E-05	1.24E-04	1.09E-05	3.79E-06	2.17E-05	2.59E-06	3.44E-06	1.13E-05	7.82E-07
6038	469433.47	3820184.18	3.96E-05	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.08E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.73E-07
6039	469424.59	3820180.34	3.91E-05	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.36E-06	1.11E-05	7.63E-07
6040	469415.71	3820176.5	3.86E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
6041	469406.83	3820172.66	3.81E-05	1.60E-04	1.44E-05	3.17E-05	1.17E-04	1.03E-05	3.59E-06	2.06E-05	2.46E-06	3.27E-06	1.08E-05	7.43E-07
6042	469397.95	3820168.82	3.75E-05	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.33E-07
6043	469389.07	3820164.98	3.70E-05	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.50E-06	2.00E-05	2.39E-06	3.18E-06	1.05E-05	7.22E-07
6044	469380.19	3820161.15	3.65E-05	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.90E-06	3.44E-06	1.97E-05	2.35E-06	3.13E-06	1.03E-05	7.12E-07
6045	469367.78	3820148.3	3.58E-05	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.72E-06	3.38E-06	1.94E-05	2.31E-06	3.07E-06	1.01E-05	6.99E-07
6046	469364.24	3820139.3	3.56E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.68E-06	3.37E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.95E-07
6047	469360.71	3820130.29	3.55E-05	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.63E-06	3.35E-06	1.92E-05	2.29E-06	3.05E-06	1.00E-05	6.92E-07
6048	469357.17	3820121.29	3.53E-05	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.58E-06	3.33E-06	1.91E-05	2.28E-06	3.03E-06	9.99E-06	6.89E-07
6049	469353.64	3820112.29	3.51E-05	1.47E-04	1.33E-05	2.92E-05	1.08E-04	9.52E-06	3.31E-06	1.90E-05	2.26E-06	3.01E-06	9.93E-06	6.84E-07
6050	469350.1	3820103.28	3.49E-05	1.46E-04	1.32E-05	2.90E-05	1.08E-04	9.46E-06	3.29E-06	1.88E-05	2.25E-06	2.99E-06	9.87E-06	6.80E-07
6051	469346.56	3820094.28	3.46E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.40E-06	3.27E-06	1.87E-05	2.23E-06	2.97E-06	9.80E-06	6.75E-07
6052	469343.03	3820085.27	3.44E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.33E-06	3.24E-06	1.86E-05	2.22E-06	2.95E-06	9.72E-06	6.70E-07
6053	469339.49	3820076.27	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.65E-06	6.65E-07
6054	469335.96	3820067.27	3.38E-05	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.17E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.57E-06	6.59E-07
6055	469332.42	3820058.26	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.48E-06	6.53E-07
6056	469328.88	3820049.26	3.32E-05	1.39E-04	1.25E-05	2.76E-05	1.02E-04	9.00E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.39E-06	6.47E-07
6057	469325.35	3820040.25	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.91E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.40E-07
6058	469190.98	3819698.1	1.42E-05	5.95E-05	5.35E-06	1.18E-05	4.37E-05	3.84E-06	1.34E-06	7.65E-06	9.13E-07	1.22E-06	4.01E-06	2.76E-07
6059	469187.45	3819689.1	1.37E-05	5.76E-05	5.19E-06	1.14E-05	4.24E-05	3.73E-06	1.30E-06	7.42E-06	8.85E-07	1.18E-06	3.88E-06	2.68E-07

6060	469183.91	3819680.09	1.33E-05	5.59E-05	5.03E-06	1.11E-05	4.10E-05	3.61E-06	1.26E-06	7.19E-06	8.58E-07	1.14E-06	3.77E-06	2.60E-07
6061	469180.37	3819671.09	1.29E-05	5.41E-05	4.88E-06	1.07E-05	3.98E-05	3.50E-06	1.22E-06	6.97E-06	8.32E-07	1.11E-06	3.65E-06	2.52E-07
6062	469176.84	3819662.09	1.25E-05	5.25E-05	4.72E-06	1.04E-05	3.86E-05	3.39E-06	1.18E-06	6.75E-06	8.06E-07	1.07E-06	3.54E-06	2.44E-07
6063	469173.3	3819653.08	1.21E-05	5.08E-05	4.58E-06	1.01E-05	3.73E-05	3.29E-06	1.14E-06	6.54E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
6064	469169.77	3819644.08	1.17E-05	4.92E-05	4.43E-06	9.76E-06	3.62E-05	3.18E-06	1.11E-06	6.34E-06	7.56E-07	1.01E-06	3.32E-06	2.29E-07
6065	469166.23	3819635.07	1.14E-05	4.77E-05	4.30E-06	9.46E-06	3.50E-05	3.08E-06	1.07E-06	6.14E-06	7.33E-07	9.75E-07	3.21E-06	2.22E-07
6066	469162.7	3819626.07	1.10E-05	4.62E-05	4.16E-06	9.17E-06	3.40E-05	2.99E-06	1.04E-06	5.95E-06	7.10E-07	9.45E-07	3.12E-06	2.15E-07
6067	469159.16	3819617.07	1.07E-05	4.48E-05	4.04E-06	8.89E-06	3.29E-05	2.90E-06	1.01E-06	5.77E-06	6.88E-07	9.16E-07	3.02E-06	2.08E-07
6068	469155.62	3819608.06	1.03E-05	4.34E-05	3.91E-06	8.61E-06	3.19E-05	2.81E-06	9.76E-07	5.59E-06	6.67E-07	8.87E-07	2.93E-06	2.02E-07
6069	469152.09	3819599.06	1.00E-05	4.21E-05	3.79E-06	8.35E-06	3.09E-05	2.72E-06	9.47E-07	5.42E-06	6.47E-07	8.61E-07	2.84E-06	1.96E-07
6070	469148.55	3819590.05	9.73E-06	4.08E-05	3.68E-06	8.10E-06	3.00E-05	2.64E-06	9.19E-07	5.26E-06	6.27E-07	8.35E-07	2.75E-06	1.90E-07
6071	469145.02	3819581.05	9.44E-06	3.97E-05	3.57E-06	7.87E-06	2.91E-05	2.56E-06	8.92E-07	5.11E-06	6.09E-07	8.11E-07	2.67E-06	1.84E-07
6072	469141.48	3819572.05	9.17E-06	3.85E-05	3.47E-06	7.64E-06	2.83E-05	2.49E-06	8.66E-07	4.96E-06	5.91E-07	7.87E-07	2.60E-06	1.79E-07
6073	469137.94	3819563.04	8.90E-06	3.74E-05	3.37E-06	7.42E-06	2.75E-05	2.42E-06	8.41E-07	4.81E-06	5.74E-07	7.64E-07	2.52E-06	1.74E-07
6074	469134.41	3819554.04	8.65E-06	3.63E-05	3.27E-06	7.21E-06	2.67E-05	2.35E-06	8.17E-07	4.68E-06	5.58E-07	7.43E-07	2.45E-06	1.69E-07
6075	469130.87	3819545.03	8.41E-06	3.53E-05	3.18E-06	7.01E-06	2.60E-05	2.28E-06	7.95E-07	4.55E-06	5.43E-07	7.22E-07	2.38E-06	1.64E-07
6076	469127.34	3819536.03	8.18E-06	3.44E-05	3.09E-06	6.82E-06	2.53E-05	2.22E-06	7.73E-07	4.42E-06	5.28E-07	7.02E-07	2.32E-06	1.60E-07
6077	469123.8	3819527.03	7.96E-06	3.34E-05	3.01E-06	6.63E-06	2.46E-05	2.16E-06	7.52E-07	4.30E-06	5.14E-07	6.83E-07	2.25E-06	1.55E-07
6078	469120.26	3819518.02	7.75E-06	3.26E-05	2.93E-06	6.46E-06	2.39E-05	2.11E-06	7.32E-07	4.19E-06	5.00E-07	6.66E-07	2.20E-06	1.51E-07
6079	469116.73	3819509.02	7.55E-06	3.17E-05	2.86E-06	6.29E-06	2.33E-05	2.05E-06	7.13E-07	4.08E-06	4.87E-07	6.48E-07	2.14E-06	1.47E-07
6080	469113.19	3819500.01	7.36E-06	3.09E-05	2.78E-06	6.13E-06	2.27E-05	2.00E-06	6.95E-07	3.98E-06	4.75E-07	6.32E-07	2.08E-06	1.44E-07
6081	469109.66	3819491.01	7.17E-06	3.01E-05	2.71E-06	5.97E-06	2.21E-05	1.95E-06	6.77E-07	3.88E-06	4.63E-07	6.16E-07	2.03E-06	1.40E-07
6082	469106.12	3819482.01	6.99E-06	2.94E-05	2.64E-06	5.82E-06	2.16E-05	1.90E-06	6.60E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
6083	469102.58	3819473	6.82E-06	2.86E-05	2.58E-06	5.68E-06	2.10E-05	1.85E-06	6.44E-07	3.69E-06	4.40E-07	5.85E-07	1.93E-06	1.33E-07
6084	470090.5	3820468.3	6.00E-05	2.52E-04	2.27E-05	5.00E-05	1.85E-04	1.63E-05	5.67E-06	3.24E-05	3.87E-06	5.15E-06	1.70E-05	1.17E-06
6085	470100.2	3820468.44	5.97E-05	2.51E-04	2.26E-05	4.97E-05	1.84E-04	1.62E-05	5.64E-06	3.23E-05	3.85E-06	5.12E-06	1.69E-05	1.16E-06
6086	470109.9	3820468.57	5.94E-05	2.49E-04	2.25E-05	4.94E-05	1.83E-04	1.61E-05	5.61E-06	3.21E-05	3.83E-06	5.10E-06	1.68E-05	1.16E-06
6087	470119.59	3820468.71	5.90E-05	2.48E-04	2.23E-05	4.92E-05	1.82E-04	1.60E-05	5.57E-06	3.19E-05	3.81E-06	5.07E-06	1.67E-05	1.15E-06
6088	470129.29	3820468.84	5.87E-05	2.46E-04	2.22E-05	4.89E-05	1.81E-04	1.59E-05	5.54E-06	3.17E-05	3.78E-06	5.03E-06	1.66E-05	1.14E-06
6089	470138.99	3820468.98	5.82E-05	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
6090	470148.68	3820469.11	5.78E-05	2.43E-04	2.19E-05	4.81E-05	1.78E-04	1.57E-05	5.46E-06	3.12E-05	3.73E-06	4.96E-06	1.64E-05	1.13E-06
6091	470158.38	3820469.25	5.73E-05	2.41E-04	2.17E-05	4.78E-05	1.77E-04	1.56E-05	5.41E-06	3.10E-05	3.70E-06	4.92E-06	1.62E-05	1.12E-06
6092	470168.08	3820469.38	5.68E-05	2.39E-04	2.15E-05	4.73E-05	1.75E-04	1.54E-05	5.37E-06	3.07E-05	3.67E-06	4.88E-06	1.61E-05	1.11E-06
6093	470177.78	3820469.52	5.63E-05	2.37E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.32E-06	3.05E-05	3.63E-06	4.84E-06	1.59E-05	1.10E-06
6094	470187.47	3820469.65	5.58E-05	2.34E-04	2.11E-05	4.65E-05	1.72E-04	1.52E-05	5.27E-06	3.02E-05	3.60E-06	4.79E-06	1.58E-05	1.09E-06
6095	470197.17	3820469.79	5.53E-05	2.32E-04	2.09E-05	4.61E-05	1.71E-04	1.50E-05	5.22E-06	2.99E-05	3.57E-06	4.75E-06	1.57E-05	1.08E-06
6096	470206.87	3820469.92	5.48E-05	2.30E-04	2.07E-05	4.56E-05	1.69E-04	1.49E-05	5.17E-06	2.96E-05	3.53E-06	4.70E-06	1.55E-05	1.07E-06
6097	470216.57	3820470.06	5.43E-05	2.28E-04	2.05E-05	4.52E-05	1.67E-04	1.47E-05	5.12E-06	2.93E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
6098	470226.26	3820470.19	5.37E-05	2.26E-04	2.03E-05	4.48E-05	1.66E-04	1.46E-05	5.07E-06	2.91E-05	3.47E-06	4.61E-06	1.52E-05	1.05E-06
6099	470235.96	3820470.33	5.32E-05	2.23E-04	2.01E-05	4.43E-05	1.64E-04	1.44E-05	5.02E-06	2.88E-05	3.43E-06	4.57E-06	1.51E-05	1.04E-06
6100	470245.66	3820470.46	5.27E-05	2.21E-04	1.99E-05	4.39E-05	1.63E-04	1.43E-05	4.97E-06	2.85E-05	3.40E-06	4.52E-06	1.49E-05	1.03E-06
6101	470255.35	3820470.6	5.21E-05	2.19E-04	1.97E-05	4.34E-05	1.61E-04	1.42E-05	4.92E-06	2.82E-05	3.36E-06	4.48E-06	1.48E-05	1.02E-06
6102	470265.05	3820470.73	5.16E-05	2.17E-04	1.95E-05	4.30E-05	1.59E-04	1.40E-05	4.87E-06	2.79E-05	3.33E-06	4.43E-06	1.46E-05	1.01E-06

6103	470080.57	3820544.48	5.36E-05	2.25E-04	2.03E-05	4.46E-05	1.65E-04	1.45E-05	5.06E-06	2.90E-05	3.46E-06	4.60E-06	1.52E-05	1.05E-06
6104	470071.76	3820540.67	5.41E-05	2.27E-04	2.05E-05	4.51E-05	1.67E-04	1.47E-05	5.11E-06	2.92E-05	3.49E-06	4.64E-06	1.53E-05	1.06E-06
6105	470062.95	3820536.86	5.46E-05	2.29E-04	2.06E-05	4.55E-05	1.68E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
6106	470054.13	3820533.05	5.51E-05	2.31E-04	2.08E-05	4.59E-05	1.70E-04	1.49E-05	5.20E-06	2.98E-05	3.55E-06	4.73E-06	1.56E-05	1.07E-06
6107	470045.32	3820529.24	5.55E-05	2.33E-04	2.10E-05	4.62E-05	1.71E-04	1.51E-05	5.24E-06	3.00E-05	3.58E-06	4.76E-06	1.57E-05	1.08E-06
6108	470036.51	3820525.43	5.59E-05	2.35E-04	2.11E-05	4.66E-05	1.73E-04	1.52E-05	5.28E-06	3.02E-05	3.61E-06	4.80E-06	1.58E-05	1.09E-06
6109	470027.69	3820521.61	5.63E-05	2.36E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.32E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
6110	470018.88	3820517.8	5.66E-05	2.38E-04	2.14E-05	4.72E-05	1.75E-04	1.54E-05	5.35E-06	3.06E-05	3.65E-06	4.86E-06	1.60E-05	1.11E-06
6111	470010.07	3820513.99	5.70E-05	2.39E-04	2.16E-05	4.75E-05	1.76E-04	1.55E-05	5.38E-06	3.08E-05	3.68E-06	4.89E-06	1.61E-05	1.11E-06
6112	470001.25	3820510.18	5.73E-05	2.41E-04	2.17E-05	4.77E-05	1.77E-04	1.56E-05	5.41E-06	3.10E-05	3.70E-06	4.92E-06	1.62E-05	1.12E-06
6113	469992.44	3820506.37	5.76E-05	2.42E-04	2.18E-05	4.80E-05	1.78E-04	1.56E-05	5.44E-06	3.11E-05	3.71E-06	4.94E-06	1.63E-05	1.12E-06
6114	469983.63	3820502.56	5.78E-05	2.43E-04	2.19E-05	4.81E-05	1.78E-04	1.57E-05	5.46E-06	3.12E-05	3.73E-06	4.96E-06	1.64E-05	1.13E-06
6115	469974.81	3820498.75	5.80E-05	2.44E-04	2.19E-05	4.83E-05	1.79E-04	1.57E-05	5.48E-06	3.14E-05	3.74E-06	4.98E-06	1.64E-05	1.13E-06
6116	469966	3820494.94	5.82E-05	2.44E-04	2.20E-05	4.84E-05	1.79E-04	1.58E-05	5.49E-06	3.14E-05	3.75E-06	4.99E-06	1.65E-05	1.13E-06
6117	469957.18	3820491.13	5.83E-05	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
6118	469948.37	3820487.31	5.83E-05	2.45E-04	2.21E-05	4.86E-05	1.80E-04	1.58E-05	5.51E-06	3.15E-05	3.76E-06	5.01E-06	1.65E-05	1.14E-06
6119	469939.56	3820483.5	5.84E-05	2.45E-04	2.21E-05	4.86E-05	1.80E-04	1.58E-05	5.51E-06	3.16E-05	3.76E-06	5.01E-06	1.65E-05	1.14E-06
6120	469930.74	3820479.69	5.84E-05	2.45E-04	2.21E-05	4.86E-05	1.80E-04	1.58E-05	5.51E-06	3.15E-05	3.76E-06	5.01E-06	1.65E-05	1.14E-06
6121	469921.93	3820475.88	5.83E-05	2.45E-04	2.21E-05	4.86E-05	1.80E-04	1.58E-05	5.51E-06	3.15E-05	3.76E-06	5.01E-06	1.65E-05	1.14E-06
6122	469913.12	3820472.07	5.83E-05	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
6123	469904.3	3820468.26	5.82E-05	2.44E-04	2.20E-05	4.84E-05	1.79E-04	1.58E-05	5.49E-06	3.14E-05	3.75E-06	4.99E-06	1.65E-05	1.13E-06
6124	469895.49	3820464.45	5.80E-05	2.44E-04	2.19E-05	4.83E-05	1.79E-04	1.57E-05	5.48E-06	3.14E-05	3.74E-06	4.98E-06	1.64E-05	1.13E-06
6125	469886.68	3820460.64	5.78E-05	2.43E-04	2.19E-05	4.82E-05	1.78E-04	1.57E-05	5.46E-06	3.13E-05	3.73E-06	4.96E-06	1.64E-05	1.13E-06
6126	469877.86	3820456.82	5.76E-05	2.42E-04	2.18E-05	4.80E-05	1.78E-04	1.56E-05	5.44E-06	3.11E-05	3.72E-06	4.95E-06	1.63E-05	1.12E-06
6127	469869.05	3820453.01	5.74E-05	2.41E-04	2.17E-05	4.78E-05	1.77E-04	1.56E-05	5.42E-06	3.10E-05	3.70E-06	4.92E-06	1.62E-05	1.12E-06
6128	469860.24	3820449.2	5.71E-05	2.40E-04	2.16E-05	4.76E-05	1.76E-04	1.55E-05	5.39E-06	3.09E-05	3.68E-06	4.90E-06	1.62E-05	1.11E-06
6129	469851.42	3820445.39	5.68E-05	2.39E-04	2.15E-05	4.73E-05	1.75E-04	1.54E-05	5.37E-06	3.07E-05	3.67E-06	4.88E-06	1.61E-05	1.11E-06
6130	469842.61	3820441.58	5.65E-05	2.37E-04	2.14E-05	4.71E-05	1.74E-04	1.53E-05	5.34E-06	3.05E-05	3.64E-06	4.85E-06	1.60E-05	1.10E-06
6131	469833.79	3820437.77	5.62E-05	2.36E-04	2.12E-05	4.68E-05	1.73E-04	1.52E-05	5.30E-06	3.04E-05	3.62E-06	4.82E-06	1.59E-05	1.10E-06
6132	469824.98	3820433.96	5.58E-05	2.34E-04	2.11E-05	4.65E-05	1.72E-04	1.52E-05	5.27E-06	3.02E-05	3.60E-06	4.79E-06	1.58E-05	1.09E-06
6133	469816.17	3820430.15	5.54E-05	2.33E-04	2.10E-05	4.62E-05	1.71E-04	1.50E-05	5.24E-06	3.00E-05	3.58E-06	4.76E-06	1.57E-05	1.08E-06
6134	469807.35	3820426.33	5.50E-05	2.31E-04	2.08E-05	4.58E-05	1.70E-04	1.49E-05	5.20E-06	2.98E-05	3.55E-06	4.72E-06	1.56E-05	1.07E-06
6135	469798.54	3820422.52	5.46E-05	2.29E-04	2.07E-05	4.55E-05	1.69E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
6136	469789.73	3820418.71	5.42E-05	2.28E-04	2.05E-05	4.51E-05	1.67E-04	1.47E-05	5.12E-06	2.93E-05	3.49E-06	4.65E-06	1.53E-05	1.06E-06
6137	469780.91	3820414.9	5.37E-05	2.26E-04	2.03E-05	4.48E-05	1.66E-04	1.46E-05	5.07E-06	2.90E-05	3.47E-06	4.61E-06	1.52E-05	1.05E-06
6138	469772.1	3820411.09	5.33E-05	2.24E-04	2.02E-05	4.44E-05	1.64E-04	1.45E-05	5.03E-06	2.88E-05	3.44E-06	4.57E-06	1.51E-05	1.04E-06
6139	469763.29	3820407.28	5.28E-05	2.22E-04	2.00E-05	4.40E-05	1.63E-04	1.43E-05	4.99E-06	2.86E-05	3.41E-06	4.54E-06	1.50E-05	1.03E-06
6140	469754.47	3820403.47	5.24E-05	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.94E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
6141	469745.66	3820399.66	5.19E-05	2.18E-04	1.96E-05	4.32E-05	1.60E-04	1.41E-05	4.90E-06	2.81E-05	3.35E-06	4.46E-06	1.47E-05	1.01E-06
6142	469736.85	3820395.84	5.14E-05	2.16E-04	1.94E-05	4.28E-05	1.59E-04	1.40E-05	4.86E-06	2.78E-05	3.32E-06	4.41E-06	1.46E-05	1.00E-06
6143	469728.03	3820392.03	5.09E-05	2.14E-04	1.93E-05	4.24E-05	1.57E-04	1.38E-05	4.81E-06	2.75E-05	3.29E-06	4.37E-06	1.44E-05	9.94E-07
6144	469719.22	3820388.22	5.05E-05	2.12E-04	1.91E-05	4.20E-05	1.56E-04	1.37E-05	4.76E-06	2.73E-05	3.25E-06	4.33E-06	1.43E-05	9.85E-07
6145	469710.41	3820384.41	5.00E-05	2.10E-04	1.89E-05	4.16E-05	1.54E-04	1.36E-05	4.72E-06	2.70E-05	3.22E-06	4.29E-06	1.41E-05	9.75E-07

6146	469701.59	3820380.6	4.95E-05	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.68E-05	3.19E-06	4.25E-06	1.40E-05	9.66E-07
6147	469613.46	3820342.49	4.51E-05	1.89E-04	1.70E-05	3.75E-05	1.39E-04	1.22E-05	4.26E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.80E-07
6148	469604.64	3820338.68	4.47E-05	1.88E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.22E-06	2.42E-05	2.88E-06	3.84E-06	1.26E-05	8.72E-07
6149	469595.83	3820334.87	4.43E-05	1.86E-04	1.67E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.39E-05	2.86E-06	3.80E-06	1.25E-05	8.64E-07
6150	469587.02	3820331.05	4.39E-05	1.84E-04	1.66E-05	3.66E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.77E-06	1.24E-05	8.56E-07
6151	469578.2	3820327.24	4.35E-05	1.83E-04	1.65E-05	3.62E-05	1.34E-04	1.18E-05	4.11E-06	2.35E-05	2.81E-06	3.73E-06	1.23E-05	8.49E-07
6152	469569.39	3820323.43	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.41E-07
6153	469560.57	3820319.62	4.27E-05	1.80E-04	1.62E-05	3.56E-05	1.32E-04	1.16E-05	4.04E-06	2.31E-05	2.76E-06	3.67E-06	1.21E-05	8.34E-07
6154	469551.76	3820315.81	4.24E-05	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.64E-06	1.20E-05	8.27E-07
6155	469542.95	3820312	4.20E-05	1.76E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.97E-06	2.27E-05	2.71E-06	3.61E-06	1.19E-05	8.20E-07
6156	469534.13	3820308.19	4.17E-05	1.75E-04	1.58E-05	3.47E-05	1.29E-04	1.13E-05	3.93E-06	2.25E-05	2.69E-06	3.58E-06	1.18E-05	8.13E-07
6157	469525.32	3820304.38	4.13E-05	1.73E-04	1.56E-05	3.44E-05	1.27E-04	1.12E-05	3.90E-06	2.23E-05	2.66E-06	3.54E-06	1.17E-05	8.06E-07
6158	469516.51	3820300.56	4.09E-05	1.72E-04	1.55E-05	3.41E-05	1.26E-04	1.11E-05	3.86E-06	2.21E-05	2.64E-06	3.51E-06	1.16E-05	7.99E-07
6159	469507.69	3820296.75	4.06E-05	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.92E-07
6160	469498.88	3820292.94	4.02E-05	1.69E-04	1.52E-05	3.35E-05	1.24E-04	1.09E-05	3.80E-06	2.17E-05	2.59E-06	3.45E-06	1.14E-05	7.85E-07
6161	469490.07	3820289.13	3.99E-05	1.67E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.78E-07
6162	469481.25	3820285.32	3.95E-05	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.14E-05	2.55E-06	3.39E-06	1.12E-05	7.71E-07
6163	469472.44	3820281.51	3.91E-05	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.52E-06	3.36E-06	1.11E-05	7.64E-07
6164	469463.63	3820277.7	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
6165	469454.81	3820273.89	3.84E-05	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
6166	469446	3820270.07	3.80E-05	1.60E-04	1.44E-05	3.17E-05	1.17E-04	1.03E-05	3.59E-06	2.06E-05	2.45E-06	3.27E-06	1.08E-05	7.42E-07
6167	469437.19	3820266.26	3.77E-05	1.58E-04	1.42E-05	3.14E-05	1.16E-04	1.02E-05	3.56E-06	2.04E-05	2.43E-06	3.23E-06	1.07E-05	7.35E-07
6168	469428.37	3820262.45	3.73E-05	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.52E-06	2.02E-05	2.40E-06	3.20E-06	1.06E-05	7.27E-07
6169	469419.56	3820258.64	3.69E-05	1.55E-04	1.40E-05	3.07E-05	1.14E-04	1.00E-05	3.48E-06	1.99E-05	2.38E-06	3.17E-06	1.04E-05	7.20E-07
6170	469410.74	3820254.83	3.65E-05	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.91E-06	3.45E-06	1.97E-05	2.35E-06	3.13E-06	1.03E-05	7.12E-07
6171	469401.93	3820251.02	3.61E-05	1.52E-04	1.37E-05	3.01E-05	1.11E-04	9.80E-06	3.41E-06	1.95E-05	2.33E-06	3.10E-06	1.02E-05	7.05E-07
6172	469393.12	3820247.21	3.57E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.69E-06	3.37E-06	1.93E-05	2.30E-06	3.07E-06	1.01E-05	6.97E-07
6173	469384.3	3820243.4	3.53E-05	1.48E-04	1.34E-05	2.94E-05	1.09E-04	9.58E-06	3.33E-06	1.91E-05	2.28E-06	3.03E-06	9.99E-06	6.89E-07
6174	469375.49	3820239.58	3.49E-05	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.47E-06	3.29E-06	1.89E-05	2.25E-06	3.00E-06	9.88E-06	6.81E-07
6175	469366.68	3820235.77	3.45E-05	1.45E-04	1.30E-05	2.87E-05	1.06E-04	9.36E-06	3.26E-06	1.86E-05	2.22E-06	2.96E-06	9.76E-06	6.73E-07
6176	469357.86	3820231.96	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.24E-06	3.22E-06	1.84E-05	2.20E-06	2.92E-06	9.64E-06	6.64E-07
6177	469349.05	3820228.15	3.36E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.13E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.52E-06	6.56E-07
6178	469340.24	3820224.34	3.32E-05	1.39E-04	1.26E-05	2.77E-05	1.02E-04	9.01E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
6179	469331.42	3820220.53	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.89E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.27E-06	6.39E-07
6180	469322.61	3820216.72	3.23E-05	1.36E-04	1.22E-05	2.69E-05	9.97E-05	8.77E-06	3.05E-06	1.75E-05	2.08E-06	2.77E-06	9.15E-06	6.31E-07
6181	469310.29	3820203.97	3.18E-05	1.33E-04	1.20E-05	2.65E-05	9.80E-05	8.62E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	8.99E-06	6.20E-07
6182	469306.78	3820195.03	3.16E-05	1.33E-04	1.20E-05	2.63E-05	9.76E-05	8.59E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.95E-06	6.17E-07
6183	469303.27	3820186.09	3.15E-05	1.32E-04	1.19E-05	2.62E-05	9.72E-05	8.55E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.91E-06	6.14E-07
6184	469299.76	3820177.16	3.13E-05	1.32E-04	1.18E-05	2.61E-05	9.67E-05	8.51E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.87E-06	6.11E-07
6185	469296.25	3820168.22	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.62E-05	8.46E-06	2.94E-06	1.68E-05	2.01E-06	2.68E-06	8.82E-06	6.08E-07
6186	469292.74	3820159.28	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.56E-05	8.41E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.77E-06	6.05E-07
6187	469271.68	3820105.65	2.96E-05	1.24E-04	1.12E-05	2.47E-05	9.14E-05	8.04E-06	2.80E-06	1.60E-05	1.91E-06	2.54E-06	8.38E-06	5.78E-07
6188	469268.17	3820096.71	2.93E-05	1.23E-04	1.11E-05	2.44E-05	9.05E-05	7.96E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.30E-06	5.72E-07

6189	469264.66	3820087.78	2.90E-05	1.22E-04	1.10E-05	2.42E-05	8.96E-05	7.88E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.22E-06	5.67E-07
6190	469261.15	3820078.84	2.87E-05	1.21E-04	1.09E-05	2.39E-05	8.87E-05	7.80E-06	2.71E-06	1.55E-05	1.85E-06	2.47E-06	8.14E-06	5.61E-07
6191	469257.64	3820069.9	2.84E-05	1.19E-04	1.08E-05	2.37E-05	8.77E-05	7.72E-06	2.69E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
6192	469254.13	3820060.96	2.81E-05	1.18E-04	1.06E-05	2.34E-05	8.68E-05	7.63E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.96E-06	5.49E-07
6193	469250.62	3820052.03	2.78E-05	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
6194	469247.11	3820043.09	2.74E-05	1.15E-04	1.04E-05	2.28E-05	8.46E-05	7.45E-06	2.59E-06	1.48E-05	1.77E-06	2.35E-06	7.76E-06	5.35E-07
6195	469243.6	3820034.15	2.71E-05	1.14E-04	1.02E-05	2.26E-05	8.35E-05	7.35E-06	2.56E-06	1.46E-05	1.75E-06	2.32E-06	7.66E-06	5.28E-07
6196	469145.32	3819783.89	1.50E-05	6.30E-05	5.67E-06	1.25E-05	4.63E-05	4.07E-06	1.42E-06	8.11E-06	9.68E-07	1.29E-06	4.25E-06	2.93E-07
6197	469141.81	3819774.95	1.46E-05	6.13E-05	5.52E-06	1.22E-05	4.50E-05	3.96E-06	1.38E-06	7.89E-06	9.41E-07	1.25E-06	4.13E-06	2.85E-07
6198	469138.3	3819766.02	1.42E-05	5.96E-05	5.37E-06	1.18E-05	4.38E-05	3.85E-06	1.34E-06	7.67E-06	9.15E-07	1.22E-06	4.02E-06	2.77E-07
6199	469134.79	3819757.08	1.38E-05	5.79E-05	5.22E-06	1.15E-05	4.26E-05	3.74E-06	1.30E-06	7.46E-06	8.90E-07	1.18E-06	3.90E-06	2.69E-07
6200	469131.28	3819748.14	1.34E-05	5.63E-05	5.07E-06	1.12E-05	4.14E-05	3.64E-06	1.27E-06	7.25E-06	8.64E-07	1.15E-06	3.79E-06	2.62E-07
6201	469127.77	3819739.2	1.30E-05	5.47E-05	4.92E-06	1.08E-05	4.02E-05	3.54E-06	1.23E-06	7.04E-06	8.40E-07	1.12E-06	3.69E-06	2.54E-07
6202	469124.26	3819730.26	1.27E-05	5.31E-05	4.78E-06	1.05E-05	3.90E-05	3.43E-06	1.19E-06	6.84E-06	8.16E-07	1.09E-06	3.58E-06	2.47E-07
6203	469120.75	3819721.33	1.23E-05	5.16E-05	4.65E-06	1.02E-05	3.79E-05	3.34E-06	1.16E-06	6.64E-06	7.92E-07	1.05E-06	3.48E-06	2.40E-07
6204	469117.24	3819712.39	1.19E-05	5.01E-05	4.51E-06	9.93E-06	3.68E-05	3.24E-06	1.13E-06	6.45E-06	7.69E-07	1.02E-06	3.38E-06	2.33E-07
6205	469113.73	3819703.45	1.16E-05	4.86E-05	4.38E-06	9.64E-06	3.57E-05	3.14E-06	1.09E-06	6.26E-06	7.47E-07	9.94E-07	3.28E-06	2.26E-07
6206	469110.22	3819694.51	1.12E-05	4.72E-05	4.25E-06	9.35E-06	3.46E-05	3.05E-06	1.06E-06	6.07E-06	7.24E-07	9.64E-07	3.18E-06	2.19E-07
6207	469106.71	3819685.58	1.09E-05	4.57E-05	4.12E-06	9.07E-06	3.36E-05	2.96E-06	1.03E-06	5.89E-06	7.02E-07	9.35E-07	3.08E-06	2.13E-07
6208	469103.2	3819676.64	1.06E-05	4.44E-05	4.00E-06	8.80E-06	3.26E-05	2.87E-06	9.98E-07	5.71E-06	6.82E-07	9.07E-07	2.99E-06	2.06E-07
6209	469099.69	3819667.7	1.03E-05	4.31E-05	3.88E-06	8.55E-06	3.17E-05	2.79E-06	9.69E-07	5.55E-06	6.62E-07	8.81E-07	2.90E-06	2.00E-07
6210	469096.18	3819658.76	9.96E-06	4.18E-05	3.77E-06	8.30E-06	3.07E-05	2.70E-06	9.41E-07	5.39E-06	6.43E-07	8.55E-07	2.82E-06	1.94E-07
6211	469092.67	3819649.82	9.67E-06	4.06E-05	3.66E-06	8.06E-06	2.99E-05	2.63E-06	9.14E-07	5.23E-06	6.24E-07	8.30E-07	2.74E-06	1.89E-07
6212	469089.16	3819640.89	9.40E-06	3.95E-05	3.55E-06	7.83E-06	2.90E-05	2.55E-06	8.87E-07	5.08E-06	6.06E-07	8.07E-07	2.66E-06	1.83E-07
6213	469085.65	3819631.95	9.13E-06	3.83E-05	3.45E-06	7.60E-06	2.82E-05	2.48E-06	8.62E-07	4.93E-06	5.89E-07	7.83E-07	2.58E-06	1.78E-07
6214	469082.14	3819623.01	8.87E-06	3.73E-05	3.35E-06	7.39E-06	2.74E-05	2.41E-06	8.38E-07	4.80E-06	5.72E-07	7.62E-07	2.51E-06	1.73E-07
6215	469078.63	3819614.07	8.62E-06	3.62E-05	3.26E-06	7.18E-06	2.66E-05	2.34E-06	8.14E-07	4.66E-06	5.56E-07	7.40E-07	2.44E-06	1.68E-07
6216	469075.12	3819605.14	8.38E-06	3.52E-05	3.17E-06	6.98E-06	2.59E-05	2.27E-06	7.91E-07	4.53E-06	5.41E-07	7.19E-07	2.37E-06	1.64E-07
6217	469071.61	3819596.2	8.15E-06	3.42E-05	3.08E-06	6.79E-06	2.51E-05	2.21E-06	7.70E-07	4.41E-06	5.26E-07	7.00E-07	2.31E-06	1.59E-07
6218	469068.1	3819587.26	7.93E-06	3.33E-05	3.00E-06	6.60E-06	2.45E-05	2.15E-06	7.49E-07	4.29E-06	5.11E-07	6.81E-07	2.24E-06	1.55E-07
6219	469064.59	3819578.32	7.72E-06	3.24E-05	2.92E-06	6.43E-06	2.38E-05	2.09E-06	7.29E-07	4.17E-06	4.98E-07	6.62E-07	2.18E-06	1.51E-07
6220	469061.08	3819569.38	7.51E-06	3.16E-05	2.84E-06	6.26E-06	2.32E-05	2.04E-06	7.10E-07	4.06E-06	4.85E-07	6.45E-07	2.13E-06	1.47E-07
6221	469057.57	3819560.45	7.32E-06	3.07E-05	2.77E-06	6.09E-06	2.26E-05	1.99E-06	6.91E-07	3.96E-06	4.72E-07	6.28E-07	2.07E-06	1.43E-07
6222	469054.06	3819551.51	7.12E-06	2.99E-05	2.69E-06	5.93E-06	2.20E-05	1.93E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
6223	469050.55	3819542.57	6.94E-06	2.92E-05	2.63E-06	5.78E-06	2.14E-05	1.88E-06	6.56E-07	3.75E-06	4.48E-07	5.96E-07	1.96E-06	1.35E-07
6224	469047.04	3819533.63	6.77E-06	2.84E-05	2.56E-06	5.64E-06	2.09E-05	1.84E-06	6.39E-07	3.66E-06	4.37E-07	5.81E-07	1.92E-06	1.32E-07
6225	469043.53	3819524.7	6.60E-06	2.77E-05	2.50E-06	5.50E-06	2.04E-05	1.79E-06	6.24E-07	3.57E-06	4.26E-07	5.67E-07	1.87E-06	1.29E-07
6226	469040.02	3819515.76	6.44E-06	2.71E-05	2.44E-06	5.37E-06	1.99E-05	1.75E-06	6.08E-07	3.48E-06	4.15E-07	5.53E-07	1.82E-06	1.26E-07
6227	469036.51	3819506.82	6.29E-06	2.64E-05	2.38E-06	5.24E-06	1.94E-05	1.71E-06	5.94E-07	3.40E-06	4.06E-07	5.40E-07	1.78E-06	1.23E-07
6228	469033	3819497.88	6.14E-06	2.58E-05	2.32E-06	5.12E-06	1.90E-05	1.67E-06	5.80E-07	3.32E-06	3.96E-07	5.27E-07	1.74E-06	1.20E-07
6229	469029.49	3819488.94	6.00E-06	2.52E-05	2.27E-06	5.00E-06	1.85E-05	1.63E-06	5.67E-07	3.25E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
6230	469025.98	3819480.01	5.87E-06	2.47E-05	2.22E-06	4.89E-06	1.81E-05	1.59E-06	5.55E-07	3.18E-06	3.79E-07	5.04E-07	1.66E-06	1.15E-07
6231	469022.47	3819471.07	5.74E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.42E-07	3.11E-06	3.70E-07	4.93E-07	1.63E-06	1.12E-07

6232	469018.96	3819462.13	5.62E-06	2.36E-05	2.13E-06	4.68E-06	1.73E-05	1.53E-06	5.31E-07	3.04E-06	3.62E-07	4.82E-07	1.59E-06	1.10E-07
6233	469015.45	3819453.19	5.50E-06	2.31E-05	2.08E-06	4.58E-06	1.70E-05	1.49E-06	5.19E-07	2.97E-06	3.55E-07	4.72E-07	1.56E-06	1.07E-07
6234	469011.94	3819444.26	5.38E-06	2.26E-05	2.04E-06	4.48E-06	1.66E-05	1.46E-06	5.08E-07	2.91E-06	3.47E-07	4.62E-07	1.52E-06	1.05E-07
6235	469008.43	3819435.32	5.27E-06	2.21E-05	1.99E-06	4.39E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
6236	470089.39	3820548.29	5.30E-05	2.23E-04	2.01E-05	4.42E-05	1.64E-04	1.44E-05	5.01E-06	2.87E-05	3.42E-06	4.55E-06	1.50E-05	1.04E-06
6237	470099.09	3820548.43	5.28E-05	2.22E-04	2.00E-05	4.39E-05	1.63E-04	1.43E-05	4.98E-06	2.85E-05	3.40E-06	4.53E-06	1.49E-05	1.03E-06
6238	470108.78	3820548.56	5.24E-05	2.20E-04	1.98E-05	4.37E-05	1.62E-04	1.42E-05	4.95E-06	2.84E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
6239	470118.48	3820548.7	5.21E-05	2.19E-04	1.97E-05	4.34E-05	1.61E-04	1.41E-05	4.92E-06	2.82E-05	3.36E-06	4.47E-06	1.47E-05	1.02E-06
6240	470128.18	3820548.83	5.17E-05	2.17E-04	1.96E-05	4.31E-05	1.60E-04	1.40E-05	4.89E-06	2.80E-05	3.34E-06	4.44E-06	1.46E-05	1.01E-06
6241	470137.87	3820548.97	5.14E-05	2.16E-04	1.94E-05	4.28E-05	1.58E-04	1.39E-05	4.85E-06	2.78E-05	3.31E-06	4.41E-06	1.45E-05	1.00E-06
6242	470147.57	3820549.1	5.10E-05	2.14E-04	1.93E-05	4.24E-05	1.57E-04	1.38E-05	4.81E-06	2.76E-05	3.29E-06	4.38E-06	1.44E-05	9.94E-07
6243	470157.27	3820549.24	5.06E-05	2.12E-04	1.91E-05	4.21E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.26E-06	4.34E-06	1.43E-05	9.86E-07
6244	470166.97	3820549.37	5.01E-05	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.73E-06	2.71E-05	3.23E-06	4.30E-06	1.42E-05	9.78E-07
6245	470176.66	3820549.51	4.97E-05	2.09E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.69E-06	2.69E-05	3.21E-06	4.27E-06	1.41E-05	9.70E-07
6246	470186.36	3820549.64	4.93E-05	2.07E-04	1.86E-05	4.10E-05	1.52E-04	1.34E-05	4.65E-06	2.66E-05	3.18E-06	4.23E-06	1.39E-05	9.61E-07
6247	470196.06	3820549.78	4.88E-05	2.05E-04	1.85E-05	4.07E-05	1.51E-04	1.32E-05	4.61E-06	2.64E-05	3.15E-06	4.19E-06	1.38E-05	9.52E-07
6248	470205.75	3820549.91	4.84E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.57E-06	2.61E-05	3.12E-06	4.15E-06	1.37E-05	9.43E-07
6249	470215.45	3820550.05	4.79E-05	2.01E-04	1.81E-05	3.99E-05	1.48E-04	1.30E-05	4.52E-06	2.59E-05	3.09E-06	4.11E-06	1.36E-05	9.35E-07
6250	470225.15	3820550.18	4.74E-05	1.99E-04	1.79E-05	3.95E-05	1.46E-04	1.29E-05	4.48E-06	2.56E-05	3.06E-06	4.07E-06	1.34E-05	9.26E-07
6251	470234.85	3820550.32	4.70E-05	1.97E-04	1.78E-05	3.91E-05	1.45E-04	1.28E-05	4.44E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.17E-07
6252	470244.54	3820550.45	4.65E-05	1.95E-04	1.76E-05	3.88E-05	1.44E-04	1.26E-05	4.40E-06	2.52E-05	3.00E-06	4.00E-06	1.32E-05	9.08E-07
6253	470254.24	3820550.59	4.61E-05	1.94E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.96E-06	1.31E-05	9.00E-07
6254	470263.94	3820550.72	4.57E-05	1.92E-04	1.73E-05	3.80E-05	1.41E-04	1.24E-05	4.31E-06	2.47E-05	2.95E-06	3.92E-06	1.29E-05	8.91E-07
6255	470079.42	3820624.46	4.78E-05	2.01E-04	1.81E-05	3.98E-05	1.47E-04	1.30E-05	4.51E-06	2.58E-05	3.08E-06	4.10E-06	1.35E-05	9.32E-07
6256	470070.57	3820620.63	4.82E-05	2.02E-04	1.82E-05	4.02E-05	1.49E-04	1.31E-05	4.55E-06	2.61E-05	3.11E-06	4.14E-06	1.36E-05	9.41E-07
6257	470061.72	3820616.8	4.87E-05	2.04E-04	1.84E-05	4.05E-05	1.50E-04	1.32E-05	4.59E-06	2.63E-05	3.14E-06	4.18E-06	1.38E-05	9.49E-07
6258	470052.87	3820612.98	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.17E-06	4.21E-06	1.39E-05	9.58E-07
6259	470044.02	3820609.15	4.95E-05	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.68E-05	3.19E-06	4.25E-06	1.40E-05	9.66E-07
6260	470035.17	3820605.32	4.99E-05	2.09E-04	1.89E-05	4.15E-05	1.54E-04	1.35E-05	4.71E-06	2.70E-05	3.22E-06	4.28E-06	1.41E-05	9.73E-07
6261	470026.32	3820601.49	5.02E-05	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.74E-06	2.72E-05	3.24E-06	4.31E-06	1.42E-05	9.80E-07
6262	470017.47	3820597.67	5.06E-05	2.12E-04	1.91E-05	4.21E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.26E-06	4.34E-06	1.43E-05	9.87E-07
6263	470008.61	3820593.84	5.09E-05	2.14E-04	1.92E-05	4.24E-05	1.57E-04	1.38E-05	4.81E-06	2.75E-05	3.28E-06	4.37E-06	1.44E-05	9.93E-07
6264	469999.76	3820590.01	5.12E-05	2.15E-04	1.94E-05	4.26E-05	1.58E-04	1.39E-05	4.83E-06	2.77E-05	3.30E-06	4.39E-06	1.45E-05	9.99E-07
6265	469990.91	3820586.18	5.15E-05	2.16E-04	1.95E-05	4.29E-05	1.59E-04	1.40E-05	4.86E-06	2.78E-05	3.32E-06	4.42E-06	1.46E-05	1.00E-06
6266	469982.06	3820582.36	5.17E-05	2.17E-04	1.95E-05	4.31E-05	1.60E-04	1.40E-05	4.88E-06	2.79E-05	3.33E-06	4.44E-06	1.46E-05	1.01E-06
6267	469973.21	3820578.53	5.19E-05	2.18E-04	1.96E-05	4.32E-05	1.60E-04	1.41E-05	4.90E-06	2.81E-05	3.35E-06	4.46E-06	1.47E-05	1.01E-06
6268	469964.36	3820574.7	5.21E-05	2.19E-04	1.97E-05	4.34E-05	1.61E-04	1.41E-05	4.92E-06	2.82E-05	3.36E-06	4.47E-06	1.47E-05	1.02E-06
6269	469955.51	3820570.87	5.22E-05	2.19E-04	1.97E-05	4.35E-05	1.61E-04	1.42E-05	4.93E-06	2.82E-05	3.37E-06	4.48E-06	1.48E-05	1.02E-06
6270	469946.66	3820567.05	5.23E-05	2.20E-04	1.98E-05	4.36E-05	1.61E-04	1.42E-05	4.94E-06	2.83E-05	3.38E-06	4.49E-06	1.48E-05	1.02E-06
6271	469937.81	3820563.22	5.24E-05	2.20E-04	1.98E-05	4.37E-05	1.62E-04	1.42E-05	4.95E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
6272	469928.96	3820559.39	5.25E-05	2.20E-04	1.98E-05	4.37E-05	1.62E-04	1.42E-05	4.96E-06	2.84E-05	3.38E-06	4.50E-06	1.49E-05	1.02E-06
6273	469920.1	3820555.56	5.25E-05	2.20E-04	1.99E-05	4.37E-05	1.62E-04	1.42E-05	4.96E-06	2.84E-05	3.39E-06	4.51E-06	1.49E-05	1.02E-06
6274	469911.25	3820551.74	5.25E-05	2.20E-04	1.98E-05	4.37E-05	1.62E-04	1.42E-05	4.96E-06	2.84E-05	3.39E-06	4.51E-06	1.49E-05	1.02E-06

6275	469902.4	3820547.91	5.24E-05	2.20E-04	1.98E-05	4.37E-05	1.62E-04	1.42E-05	4.95E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
6276	469893.55	3820544.08	5.24E-05	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.94E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
6277	469884.7	3820540.25	5.23E-05	2.19E-04	1.98E-05	4.35E-05	1.61E-04	1.42E-05	4.93E-06	2.83E-05	3.37E-06	4.49E-06	1.48E-05	1.02E-06
6278	469875.85	3820536.43	5.21E-05	2.19E-04	1.97E-05	4.34E-05	1.61E-04	1.41E-05	4.92E-06	2.82E-05	3.36E-06	4.47E-06	1.48E-05	1.02E-06
6279	469867	3820532.6	5.20E-05	2.18E-04	1.96E-05	4.33E-05	1.60E-04	1.41E-05	4.91E-06	2.81E-05	3.35E-06	4.46E-06	1.47E-05	1.01E-06
6280	469858.15	3820528.77	5.18E-05	2.17E-04	1.96E-05	4.31E-05	1.60E-04	1.41E-05	4.89E-06	2.80E-05	3.34E-06	4.44E-06	1.47E-05	1.01E-06
6281	469849.3	3820524.94	5.15E-05	2.16E-04	1.95E-05	4.29E-05	1.59E-04	1.40E-05	4.87E-06	2.79E-05	3.32E-06	4.42E-06	1.46E-05	1.01E-06
6282	469840.44	3820521.12	5.13E-05	2.15E-04	1.94E-05	4.27E-05	1.58E-04	1.39E-05	4.84E-06	2.77E-05	3.31E-06	4.40E-06	1.45E-05	1.00E-06
6283	469831.59	3820517.29	5.11E-05	2.14E-04	1.93E-05	4.25E-05	1.58E-04	1.39E-05	4.82E-06	2.76E-05	3.29E-06	4.38E-06	1.45E-05	9.96E-07
6284	469822.74	3820513.46	5.08E-05	2.13E-04	1.92E-05	4.23E-05	1.57E-04	1.38E-05	4.79E-06	2.74E-05	3.27E-06	4.36E-06	1.44E-05	9.91E-07
6285	469813.89	3820509.64	5.05E-05	2.12E-04	1.91E-05	4.20E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.26E-06	4.33E-06	1.43E-05	9.85E-07
6286	469805.04	3820505.81	5.02E-05	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.74E-06	2.71E-05	3.23E-06	4.31E-06	1.42E-05	9.79E-07
6287	469796.19	3820501.98	4.98E-05	2.09E-04	1.88E-05	4.15E-05	1.54E-04	1.35E-05	4.70E-06	2.69E-05	3.21E-06	4.28E-06	1.41E-05	9.72E-07
6288	469787.34	3820498.15	4.95E-05	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.67E-05	3.19E-06	4.25E-06	1.40E-05	9.65E-07
6289	469778.49	3820494.33	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.52E-04	1.33E-05	4.64E-06	2.65E-05	3.17E-06	4.21E-06	1.39E-05	9.58E-07
6290	469769.64	3820490.5	4.87E-05	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.60E-06	2.63E-05	3.14E-06	4.18E-06	1.38E-05	9.51E-07
6291	469760.79	3820486.67	4.83E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.56E-06	2.61E-05	3.12E-06	4.15E-06	1.37E-05	9.43E-07
6292	469751.93	3820482.84	4.79E-05	2.01E-04	1.81E-05	3.99E-05	1.48E-04	1.30E-05	4.53E-06	2.59E-05	3.09E-06	4.12E-06	1.36E-05	9.35E-07
6293	469743.08	3820479.02	4.75E-05	2.00E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.49E-06	2.57E-05	3.07E-06	4.08E-06	1.35E-05	9.28E-07
6294	469734.23	3820475.19	4.71E-05	1.98E-04	1.78E-05	3.93E-05	1.45E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.05E-06	1.33E-05	9.20E-07
6295	469725.38	3820471.36	4.67E-05	1.96E-04	1.77E-05	3.89E-05	1.44E-04	1.27E-05	4.41E-06	2.53E-05	3.01E-06	4.01E-06	1.32E-05	9.12E-07
6296	469716.53	3820467.53	4.63E-05	1.94E-04	1.75E-05	3.86E-05	1.43E-04	1.26E-05	4.37E-06	2.50E-05	2.99E-06	3.97E-06	1.31E-05	9.03E-07
6297	469707.68	3820463.71	4.59E-05	1.93E-04	1.74E-05	3.82E-05	1.42E-04	1.25E-05	4.33E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.95E-07
6298	469698.83	3820459.88	4.55E-05	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.23E-05	4.29E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.87E-07
6299	469610.32	3820421.6	4.15E-05	1.74E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.92E-06	2.24E-05	2.68E-06	3.56E-06	1.18E-05	8.10E-07
6300	469601.47	3820417.78	4.12E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.03E-07
6301	469592.62	3820413.95	4.08E-05	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.21E-05	2.63E-06	3.50E-06	1.15E-05	7.96E-07
6302	469583.76	3820410.12	4.04E-05	1.70E-04	1.53E-05	3.37E-05	1.25E-04	1.10E-05	3.82E-06	2.19E-05	2.61E-06	3.47E-06	1.14E-05	7.89E-07
6303	469574.91	3820406.29	4.01E-05	1.68E-04	1.52E-05	3.34E-05	1.24E-04	1.09E-05	3.79E-06	2.17E-05	2.59E-06	3.44E-06	1.14E-05	7.82E-07
6304	469566.06	3820402.47	3.98E-05	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.75E-06	2.15E-05	2.56E-06	3.41E-06	1.13E-05	7.76E-07
6305	469557.21	3820398.64	3.94E-05	1.66E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.39E-06	1.12E-05	7.69E-07
6306	469548.36	3820394.81	3.91E-05	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.36E-06	1.11E-05	7.63E-07
6307	469539.51	3820390.98	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
6308	469530.66	3820387.16	3.85E-05	1.62E-04	1.46E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.51E-07
6309	469521.81	3820383.33	0.000038172	1.60E-04	1.44E-05	3.18E-05	1.18E-04	1.04E-05	3.60E-06	2.06E-05	2.46E-06	3.28E-06	1.08E-05	7.45E-07
6310	469512.96	3820379.5	0.000037869	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.44E-06	3.25E-06	1.07E-05	7.39E-07
6311	469504.1	3820375.67	0.000037566	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.33E-07
6312	469495.25	3820371.85	0.000037267	1.57E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.52E-06	2.01E-05	2.40E-06	3.20E-06	1.05E-05	7.27E-07
6313	469486.4	3820368.02	0.000036969	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.49E-06	2.00E-05	2.38E-06	3.17E-06	1.05E-05	7.21E-07
6314	469477.55	3820364.19	0.000036676	1.54E-04	1.39E-05	3.05E-05	1.13E-04	9.96E-06	3.46E-06	1.98E-05	2.37E-06	3.15E-06	1.04E-05	7.16E-07
6315	469468.7	3820360.37	0.000036382	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.88E-06	3.44E-06	1.97E-05	2.35E-06	3.12E-06	1.03E-05	7.10E-07
6316	469459.85	3820356.54	0.000036089	1.52E-04	1.36E-05	3.01E-05	1.11E-04	9.80E-06	3.41E-06	1.95E-05	2.33E-06	3.10E-06	1.02E-05	7.04E-07
6317	469451	3820352.71	0.000035795	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.72E-06	3.38E-06	1.94E-05	2.31E-06	3.07E-06	1.01E-05	6.98E-07

6318	469442.15	3820348.88	0.000035502	1.49E-04	1.34E-05	2.96E-05	1.10E-04	9.64E-06	3.35E-06	1.92E-05	2.29E-06	3.05E-06	1.00E-05	6.93E-07
6319	469433.3	3820345.06	0.000035204	1.48E-04	1.33E-05	2.93E-05	1.09E-04	9.56E-06	3.32E-06	1.90E-05	2.27E-06	3.02E-06	9.96E-06	6.87E-07
6320	469424.45	3820341.23	0.00003491	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.48E-06	3.30E-06	1.89E-05	2.25E-06	3.00E-06	9.88E-06	6.81E-07
6321	469415.59	3820337.4	0.000034607	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.39E-06	3.27E-06	1.87E-05	2.23E-06	2.97E-06	9.80E-06	6.75E-07
6322	469406.74	3820333.57	0.000034304	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.31E-06	3.24E-06	1.85E-05	2.21E-06	2.94E-06	9.71E-06	6.69E-07
6323	469397.89	3820329.75	0.000034001	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.23E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.62E-06	6.63E-07
6324	469389.04	3820325.92	0.000033693	1.42E-04	1.27E-05	2.81E-05	1.04E-04	9.15E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.54E-06	6.57E-07
6325	469380.19	3820322.09	0.000033381	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.06E-06	3.15E-06	1.80E-05	2.15E-06	2.87E-06	9.45E-06	6.51E-07
6326	469371.34	3820318.26	0.000033063	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.98E-06	3.12E-06	1.79E-05	2.13E-06	2.84E-06	9.36E-06	6.45E-07
6327	469362.49	3820314.44	0.000032741	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.89E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.27E-06	6.39E-07
6328	469353.64	3820310.61	0.000032418	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.18E-06	6.33E-07
6329	469344.79	3820306.78	0.000032086	1.35E-04	1.21E-05	2.67E-05	9.90E-05	8.71E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.08E-06	6.26E-07
6330	469335.93	3820302.95	0.00003175	1.33E-04	1.20E-05	2.64E-05	9.80E-05	8.62E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	8.99E-06	6.20E-07
6331	469327.08	3820299.13	0.000031413	1.32E-04	1.19E-05	2.62E-05	9.69E-05	8.53E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.89E-06	6.13E-07
6332	469318.23	3820295.3	0.000031067	1.30E-04	1.17E-05	2.59E-05	9.59E-05	8.43E-06	2.93E-06	1.68E-05	2.00E-06	2.67E-06	8.79E-06	6.06E-07
6333	469309.38	3820291.47	0.00003072	1.29E-04	1.16E-05	2.56E-05	9.48E-05	8.34E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.70E-06	5.99E-07
6334	469300.53	3820287.64	0.000030364	1.28E-04	1.15E-05	2.53E-05	9.37E-05	8.24E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.60E-06	5.92E-07
6335	469291.68	3820283.82	0.000030008	1.26E-04	1.13E-05	2.50E-05	9.26E-05	8.15E-06	2.83E-06	1.62E-05	1.94E-06	2.58E-06	8.49E-06	5.86E-07
6336	469265.13	3820272.33	0.000028907	1.21E-04	1.09E-05	2.41E-05	8.92E-05	7.85E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.18E-06	5.64E-07
6337	469252.75	3820259.53	0.00002843	1.19E-04	1.08E-05	2.37E-05	8.77E-05	7.72E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
6338	469249.23	3820250.56	0.00002832	1.19E-04	1.07E-05	2.36E-05	8.74E-05	7.69E-06	2.67E-06	1.53E-05	1.83E-06	2.43E-06	8.02E-06	5.53E-07
6339	469245.7	3820241.58	0.000028195	1.18E-04	1.07E-05	2.35E-05	8.70E-05	7.65E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
6340	469242.18	3820232.6	0.000028065	1.18E-04	1.06E-05	2.34E-05	8.66E-05	7.62E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.94E-06	5.48E-07
6341	469238.65	3820223.63	0.000027921	1.17E-04	1.06E-05	2.33E-05	8.62E-05	7.58E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.90E-06	5.45E-07
6342	469235.13	3820214.65	0.000027767	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
6343	469231.6	3820205.68	0.000027598	1.16E-04	1.04E-05	2.30E-05	8.52E-05	7.49E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.81E-06	5.38E-07
6344	469228.08	3820196.7	0.00002742	1.15E-04	1.04E-05	2.28E-05	8.46E-05	7.44E-06	2.59E-06	1.48E-05	1.77E-06	2.35E-06	7.76E-06	5.35E-07
6345	469224.55	3820187.72	0.000027233	1.14E-04	1.03E-05	2.27E-05	8.40E-05	7.39E-06	2.57E-06	1.47E-05	1.76E-06	2.34E-06	7.71E-06	5.31E-07
6346	469221.03	3820178.75	0.000027035	1.14E-04	1.02E-05	2.25E-05	8.34E-05	7.34E-06	2.55E-06	1.46E-05	1.74E-06	2.32E-06	7.65E-06	5.28E-07
6347	469217.5	3820169.77	0.000026829	1.13E-04	1.01E-05	2.23E-05	8.28E-05	7.28E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.59E-06	5.23E-07
6348	469213.98	3820160.8	0.000026612	1.12E-04	1.01E-05	2.22E-05	8.21E-05	7.22E-06	2.51E-06	1.44E-05	1.72E-06	2.28E-06	7.53E-06	5.19E-07
6349	469210.45	3820151.82	0.000026381	1.11E-04	9.98E-06	2.20E-05	8.14E-05	7.16E-06	2.49E-06	1.43E-05	1.70E-06	2.26E-06	7.47E-06	5.15E-07
6350	469206.93	3820142.85	0.000026141	1.10E-04	9.89E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.24E-06	7.40E-06	5.10E-07
6351	469203.4	3820133.87	0.00002589	1.09E-04	9.79E-06	2.16E-05	7.99E-05	7.03E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.33E-06	5.05E-07
6352	469199.88	3820124.89	0.000025626	1.08E-04	9.69E-06	2.13E-05	7.91E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.25E-06	5.00E-07
6353	469196.35	3820115.92	0.000025356	1.06E-04	9.59E-06	2.11E-05	7.82E-05	6.88E-06	2.39E-06	1.37E-05	1.64E-06	2.18E-06	7.18E-06	4.95E-07
6354	469192.83	3820106.94	0.000025077	1.05E-04	9.48E-06	2.09E-05	7.74E-05	6.81E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.89E-07
6355	469189.3	3820097.97	0.000024789	1.04E-04	9.37E-06	2.06E-05	7.65E-05	6.73E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.02E-06	4.84E-07
6356	469185.78	3820088.99	0.000024491	1.03E-04	9.26E-06	2.04E-05	7.56E-05	6.65E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.93E-06	4.78E-07
6357	469182.25	3820080.01	0.000024188	1.02E-04	9.15E-06	2.01E-05	7.46E-05	6.57E-06	2.28E-06	1.31E-05	1.56E-06	2.08E-06	6.85E-06	4.72E-07
6358	469178.73	3820071.04	0.000023875	1.00E-04	9.03E-06	1.99E-05	7.37E-05	6.48E-06	2.25E-06	1.29E-05	1.54E-06	2.05E-06	6.76E-06	4.66E-07
6359	469175.2	3820062.06	0.000023553	9.89E-05	8.91E-06	1.96E-05	7.27E-05	6.39E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.67E-06	4.60E-07
6360	469083.56	3819828.69	0.000013898	5.84E-05	5.26E-06	1.16E-05	4.29E-05	3.77E-06	1.31E-06	7.51E-06	8.96E-07	1.19E-06	3.93E-06	2.71E-07

6361	469080.03	3819819.71	0.000013537	5.68E-05	5.12E-06	1.13E-05	4.18E-05	3.67E-06	1.28E-06	7.32E-06	8.73E-07	1.16E-06	3.83E-06	2.64E-07
6362	469076.51	3819810.74	0.000013186	5.54E-05	4.99E-06	1.10E-05	4.07E-05	3.58E-06	1.25E-06	7.13E-06	8.50E-07	1.13E-06	3.73E-06	2.57E-07
6363	469072.98	3819801.76	0.000012835	5.39E-05	4.85E-06	1.07E-05	3.96E-05	3.48E-06	1.21E-06	6.94E-06	8.28E-07	1.10E-06	3.63E-06	2.50E-07
6364	469069.46	3819792.79	0.000012493	5.25E-05	4.72E-06	1.04E-05	3.86E-05	3.39E-06	1.18E-06	6.75E-06	8.06E-07	1.07E-06	3.54E-06	2.44E-07
6365	469065.93	3819783.81	0.000012161	5.11E-05	4.60E-06	1.01E-05	3.75E-05	3.30E-06	1.15E-06	6.57E-06	7.84E-07	1.04E-06	3.44E-06	2.37E-07
6366	469062.41	3819774.84	0.000011829	4.97E-05	4.47E-06	9.85E-06	3.65E-05	3.21E-06	1.12E-06	6.39E-06	7.63E-07	1.02E-06	3.35E-06	2.31E-07
6367	469058.88	3819765.86	0.000011507	4.83E-05	4.35E-06	9.58E-06	3.55E-05	3.12E-06	1.09E-06	6.22E-06	7.42E-07	9.88E-07	3.26E-06	2.25E-07
6368	469055.36	3819756.88	0.000011189	4.70E-05	4.23E-06	9.32E-06	3.45E-05	3.04E-06	1.06E-06	6.05E-06	7.22E-07	9.61E-07	3.17E-06	2.18E-07
6369	469051.83	3819747.91	0.000010877	4.57E-05	4.11E-06	9.06E-06	3.36E-05	2.95E-06	1.03E-06	5.88E-06	7.02E-07	9.34E-07	3.08E-06	2.12E-07
6370	469048.31	3819738.93	0.000010569	4.44E-05	4.00E-06	8.80E-06	3.26E-05	2.87E-06	9.98E-07	5.71E-06	6.82E-07	9.07E-07	2.99E-06	2.06E-07
6371	469044.78	3819729.96	0.000010271	4.31E-05	3.88E-06	8.56E-06	3.17E-05	2.79E-06	9.70E-07	5.55E-06	6.62E-07	8.82E-07	2.91E-06	2.00E-07
6372	469041.26	3819720.98	9.9771E-06	4.19E-05	3.77E-06	8.31E-06	3.08E-05	2.71E-06	9.42E-07	5.39E-06	6.44E-07	8.57E-07	2.82E-06	1.95E-07
6373	469037.73	3819712	9.6933E-06	4.07E-05	3.67E-06	8.07E-06	2.99E-05	2.63E-06	9.15E-07	5.24E-06	6.25E-07	8.32E-07	2.74E-06	1.89E-07
6374	469034.21	3819703.03	9.4239E-06	3.96E-05	3.56E-06	7.85E-06	2.91E-05	2.56E-06	8.90E-07	5.09E-06	6.08E-07	8.09E-07	2.67E-06	1.84E-07
6375	469030.68	3819694.05	9.1593E-06	3.85E-05	3.46E-06	7.63E-06	2.83E-05	2.49E-06	8.65E-07	4.95E-06	5.91E-07	7.86E-07	2.59E-06	1.79E-07
6376	469027.16	3819685.08	8.9044E-06	3.74E-05	3.37E-06	7.42E-06	2.75E-05	2.42E-06	8.41E-07	4.81E-06	5.74E-07	7.64E-07	2.52E-06	1.74E-07
6377	469023.63	3819676.1	0.000008659	3.64E-05	3.27E-06	7.21E-06	2.67E-05	2.35E-06	8.18E-07	4.68E-06	5.59E-07	7.43E-07	2.45E-06	1.69E-07
6378	469020.11	3819667.13	8.4185E-06	3.54E-05	3.18E-06	7.01E-06	2.60E-05	2.29E-06	7.95E-07	4.55E-06	5.43E-07	7.23E-07	2.38E-06	1.64E-07
6379	469016.58	3819658.15	8.1876E-06	3.44E-05	3.10E-06	6.82E-06	2.53E-05	2.22E-06	7.73E-07	4.43E-06	5.28E-07	7.03E-07	2.32E-06	1.60E-07
6380	469013.06	3819649.17	7.9663E-06	3.35E-05	3.01E-06	6.64E-06	2.46E-05	2.16E-06	7.52E-07	4.31E-06	5.14E-07	6.84E-07	2.25E-06	1.55E-07
6381	469009.53	3819640.2	0.000007745	3.25E-05	2.93E-06	6.45E-06	2.39E-05	2.10E-06	7.31E-07	4.19E-06	5.00E-07	6.65E-07	2.19E-06	1.51E-07
6382	469006.01	3819631.22	7.5333E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.11E-07	4.07E-06	4.86E-07	6.47E-07	2.13E-06	1.47E-07
6383	469002.48	3819622.25	7.3265E-06	3.08E-05	2.77E-06	6.10E-06	2.26E-05	1.99E-06	6.92E-07	3.96E-06	4.73E-07	6.29E-07	2.07E-06	1.43E-07
6384	468998.96	3819613.27	7.1293E-06	2.99E-05	2.70E-06	5.94E-06	2.20E-05	1.94E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
6385	468995.43	3819604.29	6.9416E-06	2.92E-05	2.63E-06	5.78E-06	2.14E-05	1.88E-06	6.56E-07	3.75E-06	4.48E-07	5.96E-07	1.96E-06	1.35E-07
6386	468991.91	3819595.32	6.7685E-06	2.84E-05	2.56E-06	5.64E-06	2.09E-05	1.84E-06	6.39E-07	3.66E-06	4.37E-07	5.81E-07	1.92E-06	1.32E-07
6387	468988.38	3819586.34	6.5953E-06	2.77E-05	2.49E-06	5.49E-06	2.04E-05	1.79E-06	6.23E-07	3.57E-06	4.25E-07	5.66E-07	1.87E-06	1.29E-07
6388	468984.86	3819577.37	6.4317E-06	2.70E-05	2.43E-06	5.36E-06	1.98E-05	1.75E-06	6.07E-07	3.48E-06	4.15E-07	5.52E-07	1.82E-06	1.25E-07
6389	468981.33	3819568.39	6.2778E-06	2.64E-05	2.37E-06	5.23E-06	1.94E-05	1.70E-06	5.93E-07	3.39E-06	4.05E-07	5.39E-07	1.78E-06	1.22E-07
6390	468977.81	3819559.42	6.1238E-06	2.57E-05	2.32E-06	5.10E-06	1.89E-05	1.66E-06	5.78E-07	3.31E-06	3.95E-07	5.26E-07	1.73E-06	1.19E-07
6391	468974.28	3819550.44	5.9795E-06	2.51E-05	2.26E-06	4.98E-06	1.85E-05	1.62E-06	5.65E-07	3.23E-06	3.86E-07	5.13E-07	1.69E-06	1.17E-07
6392	468970.76	3819541.46	5.8448E-06	2.45E-05	2.21E-06	4.87E-06	1.80E-05	1.59E-06	5.52E-07	3.16E-06	3.77E-07	5.02E-07	1.65E-06	1.14E-07
6393	468967.24	3819532.49	5.7101E-06	2.40E-05	2.16E-06	4.76E-06	1.76E-05	1.55E-06	5.39E-07	3.09E-06	3.68E-07	4.90E-07	1.62E-06	1.11E-07
6394	468963.71	3819523.51	5.5803E-06	2.34E-05	2.11E-06	4.65E-06	1.72E-05	1.51E-06	5.27E-07	3.02E-06	3.60E-07	4.79E-07	1.58E-06	1.09E-07
6395	468960.19	3819514.54	5.4552E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.15E-07	2.95E-06	3.52E-07	4.68E-07	1.54E-06	1.06E-07
6396	468956.66	3819505.56	5.3349E-06	2.24E-05	2.02E-06	4.44E-06	1.65E-05	1.45E-06	5.04E-07	2.88E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
6397	468953.14	3819496.58	5.2195E-06	2.19E-05	1.97E-06	4.35E-06	1.61E-05	1.42E-06	4.93E-07	2.82E-06	3.37E-07	4.48E-07	1.48E-06	1.02E-07
6398	468949.61	3819487.61	5.1136E-06	2.15E-05	1.93E-06	4.26E-06	1.58E-05	1.39E-06	4.83E-07	2.76E-06	3.30E-07	4.39E-07	1.45E-06	9.98E-08
6399	468946.09	3819478.63	5.0078E-06	2.10E-05	1.89E-06	4.17E-06	1.55E-05	1.36E-06	4.73E-07	2.71E-06	3.23E-07	4.30E-07	1.42E-06	9.77E-08
6400	468942.56	3819469.66	4.9116E-06	2.06E-05	1.86E-06	4.09E-06	1.52E-05	1.33E-06	4.64E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.58E-08
6401	468939.04	3819460.68	4.6422E-06	1.95E-05	1.76E-06	3.87E-06	1.43E-05	1.26E-06	4.38E-07	2.51E-06	2.99E-07	3.99E-07	1.31E-06	9.06E-08
6402	468935.51	3819451.71	0.00000457	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.92E-07	1.29E-06	8.92E-08
6403	468931.99	3819442.73	4.5075E-06	1.89E-05	1.70E-06	3.75E-06	1.39E-05	1.22E-06	4.26E-07	2.44E-06	2.91E-07	3.87E-07	1.28E-06	8.80E-08

6404	468928.46	3819433.75	0.000004445	1.87E-05	1.68E-06	3.70E-06	1.37E-05	1.21E-06	4.20E-07	2.40E-06	2.87E-07	3.82E-07	1.26E-06	8.67E-08
6405	470088.27	3820628.29	0.000047259	1.98E-04	1.79E-05	3.94E-05	1.46E-04	1.28E-05	4.46E-06	2.55E-05	3.05E-06	4.06E-06	1.34E-05	9.22E-07
6406	470097.97	3820628.42	0.00004697	1.97E-04	1.78E-05	3.91E-05	1.45E-04	1.28E-05	4.44E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.17E-07
6407	470107.67	3820628.56	0.000046653	1.96E-04	1.76E-05	3.89E-05	1.44E-04	1.27E-05	4.41E-06	2.52E-05	3.01E-06	4.01E-06	1.32E-05	9.10E-07
6408	470117.37	3820628.69	0.00004634	1.95E-04	1.75E-05	3.86E-05	1.43E-04	1.26E-05	4.38E-06	2.51E-05	2.99E-06	3.98E-06	1.31E-05	9.04E-07
6409	470127.06	3820628.83	0.000046013	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.95E-06	1.30E-05	8.98E-07
6410	470136.76	3820628.96	0.000045671	1.92E-04	1.73E-05	3.80E-05	1.41E-04	1.24E-05	4.31E-06	2.47E-05	2.95E-06	3.92E-06	1.29E-05	8.91E-07
6411	470146.46	3820629.1	0.000045316	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.92E-06	3.89E-06	1.28E-05	8.84E-07
6412	470156.15	3820629.23	0.000044955	1.89E-04	1.70E-05	3.74E-05	1.39E-04	1.22E-05	4.25E-06	2.43E-05	2.90E-06	3.86E-06	1.27E-05	8.77E-07
6413	470165.85	3820629.37	0.000044579	1.87E-04	1.69E-05	3.71E-05	1.38E-04	1.21E-05	4.21E-06	2.41E-05	2.88E-06	3.83E-06	1.26E-05	8.70E-07
6414	470175.55	3820629.5	0.000044199	1.86E-04	1.67E-05	3.68E-05	1.36E-04	1.20E-05	4.17E-06	2.39E-05	2.85E-06	3.79E-06	1.25E-05	8.62E-07
6415	470185.25	3820629.64	0.00004381	1.84E-04	1.66E-05	3.65E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.76E-06	1.24E-05	8.55E-07
6416	470194.94	3820629.77	0.00004342	1.82E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.47E-07
6417	470204.64	3820629.91	0.000043026	1.81E-04	1.63E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.33E-05	2.78E-06	3.69E-06	1.22E-05	8.40E-07
6418	470214.34	3820630.04	0.000042631	1.79E-04	1.61E-05	3.55E-05	1.32E-04	1.16E-05	4.03E-06	2.30E-05	2.75E-06	3.66E-06	1.21E-05	8.32E-07
6419	470224.04	3820630.18	0.000042237	1.77E-04	1.60E-05	3.52E-05	1.30E-04	1.15E-05	3.99E-06	2.28E-05	2.72E-06	3.63E-06	1.20E-05	8.24E-07
6420	470233.73	3820630.31	0.000041847	1.76E-04	1.58E-05	3.49E-05	1.29E-04	1.14E-05	3.95E-06	2.26E-05	2.70E-06	3.59E-06	1.18E-05	8.17E-07
6421	470243.43	3820630.45	0.000041462	1.74E-04	1.57E-05	3.45E-05	1.28E-04	1.13E-05	3.92E-06	2.24E-05	2.67E-06	3.56E-06	1.17E-05	8.09E-07
6422	470253.13	3820630.58	0.000041077	1.73E-04	1.55E-05	3.42E-05	1.27E-04	1.12E-05	3.88E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.02E-07
6423	470262.82	3820630.72	0.000040707	1.71E-04	1.54E-05	3.39E-05	1.26E-04	1.11E-05	3.84E-06	2.20E-05	2.63E-06	3.49E-06	1.15E-05	7.94E-07
6424	470078.28	3820704.44	0.000042867	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.76E-06	3.68E-06	1.21E-05	8.36E-07
6425	470069.39	3820700.59	0.0000433	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.09E-06	2.34E-05	2.79E-06	3.72E-06	1.23E-05	8.45E-07
6426	470060.51	3820696.75	0.000043714	1.84E-04	1.65E-05	3.64E-05	1.35E-04	1.19E-05	4.13E-06	2.36E-05	2.82E-06	3.75E-06	1.24E-05	8.53E-07
6427	470051.62	3820692.91	0.000044113	1.85E-04	1.67E-05	3.67E-05	1.36E-04	1.20E-05	4.17E-06	2.38E-05	2.85E-06	3.79E-06	1.25E-05	8.61E-07
6428	470042.74	3820689.07	0.000044478	1.87E-04	1.68E-05	3.70E-05	1.37E-04	1.21E-05	4.20E-06	2.40E-05	2.87E-06	3.82E-06	1.26E-05	8.68E-07
6429	470033.86	3820685.23	0.00004483	1.88E-04	1.70E-05	3.73E-05	1.38E-04	1.22E-05	4.23E-06	2.42E-05	2.89E-06	3.85E-06	1.27E-05	8.75E-07
6430	470024.97	3820681.39	0.000045166	1.90E-04	1.71E-05	3.76E-05	1.39E-04	1.23E-05	4.27E-06	2.44E-05	2.91E-06	3.88E-06	1.28E-05	8.81E-07
6431	470016.09	3820677.54	0.000045489	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.23E-05	4.30E-06	2.46E-05	2.93E-06	3.91E-06	1.29E-05	8.88E-07
6432	470007.2	3820673.7	0.000045797	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.32E-06	2.48E-05	2.95E-06	3.93E-06	1.30E-05	8.94E-07
6433	469998.32	3820669.86	0.00004608	1.94E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.96E-06	1.30E-05	8.99E-07
6434	469989.44	3820666.02	0.00004634	1.95E-04	1.75E-05	3.86E-05	1.43E-04	1.26E-05	4.38E-06	2.51E-05	2.99E-06	3.98E-06	1.31E-05	9.04E-07
6435	469980.55	3820662.18	0.000046571	1.96E-04	1.76E-05	3.88E-05	1.44E-04	1.26E-05	4.40E-06	2.52E-05	3.00E-06	4.00E-06	1.32E-05	9.09E-07
6436	469971.67	3820658.34	0.000046778	1.96E-04	1.77E-05	3.90E-05	1.44E-04	1.27E-05	4.42E-06	2.53E-05	3.02E-06	4.02E-06	1.32E-05	9.13E-07
6437	469962.78	3820654.49	0.000046956	1.97E-04	1.78E-05	3.91E-05	1.45E-04	1.27E-05	4.43E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.16E-07
6438	469953.9	3820650.65	0.000047115	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.04E-06	1.33E-05	9.19E-07
6439	469945.02	3820646.81	0.00004724	1.98E-04	1.79E-05	3.93E-05	1.46E-04	1.28E-05	4.46E-06	2.55E-05	3.05E-06	4.06E-06	1.34E-05	9.22E-07
6440	469936.13	3820642.97	0.000047341	1.99E-04	1.79E-05	3.94E-05	1.46E-04	1.29E-05	4.47E-06	2.56E-05	3.05E-06	4.06E-06	1.34E-05	9.24E-07
6441	469927.25	3820639.13	0.000047418	1.99E-04	1.79E-05	3.95E-05	1.46E-04	1.29E-05	4.48E-06	2.56E-05	3.06E-06	4.07E-06	1.34E-05	9.25E-07
6442	469918.36	3820635.29	0.000047466	1.99E-04	1.80E-05	3.95E-05	1.46E-04	1.29E-05	4.48E-06	2.57E-05	3.06E-06	4.07E-06	1.34E-05	9.26E-07
6443	469909.48	3820631.44	0.000047495	1.99E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.49E-06	2.57E-05	3.06E-06	4.08E-06	1.34E-05	9.27E-07
6444	469900.6	3820627.6	0.0000475	1.99E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.49E-06	2.57E-05	3.06E-06	4.08E-06	1.34E-05	9.27E-07
6445	469891.71	3820623.76	0.000047471	1.99E-04	1.80E-05	3.95E-05	1.46E-04	1.29E-05	4.48E-06	2.57E-05	3.06E-06	4.08E-06	1.34E-05	9.26E-07
6446	469882.83	3820619.92	0.000047423	1.99E-04	1.79E-05	3.95E-05	1.46E-04	1.29E-05	4.48E-06	2.56E-05	3.06E-06	4.07E-06	1.34E-05	9.25E-07

6447	469873.94	3820616.08	0.000047346	1.99E-04	1.79E-05	3.94E-05	1.46E-04	1.29E-05	4.47E-06	2.56E-05	3.05E-06	4.06E-06	1.34E-05	9.24E-07
6448	469865.06	3820612.24	0.000047245	1.98E-04	1.79E-05	3.94E-05	1.46E-04	1.28E-05	4.46E-06	2.55E-05	3.05E-06	4.06E-06	1.34E-05	9.22E-07
6449	469856.18	3820608.39	0.000047119	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.05E-06	1.33E-05	9.19E-07
6450	469847.29	3820604.55	0.00004697	1.97E-04	1.78E-05	3.91E-05	1.45E-04	1.28E-05	4.44E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.17E-07
6451	469838.41	3820600.71	0.000046802	1.97E-04	1.77E-05	3.90E-05	1.44E-04	1.27E-05	4.42E-06	2.53E-05	3.02E-06	4.02E-06	1.32E-05	9.13E-07
6452	469829.52	3820596.87	0.0000466	1.96E-04	1.76E-05	3.88E-05	1.44E-04	1.27E-05	4.40E-06	2.52E-05	3.01E-06	4.00E-06	1.32E-05	9.09E-07
6453	469820.64	3820593.03	0.000046383	1.95E-04	1.75E-05	3.86E-05	1.43E-04	1.26E-05	4.38E-06	2.51E-05	2.99E-06	3.98E-06	1.31E-05	9.05E-07
6454	469811.75	3820589.19	0.000046148	1.94E-04	1.75E-05	3.84E-05	1.42E-04	1.25E-05	4.36E-06	2.49E-05	2.98E-06	3.96E-06	1.31E-05	9.00E-07
6455	469802.87	3820585.34	0.000045898	1.93E-04	1.74E-05	3.82E-05	1.42E-04	1.25E-05	4.33E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.96E-07
6456	469793.99	3820581.5	0.000045628	1.92E-04	1.73E-05	3.80E-05	1.41E-04	1.24E-05	4.31E-06	2.47E-05	2.94E-06	3.92E-06	1.29E-05	8.90E-07
6457	469785.1	3820577.66	0.000045344	1.90E-04	1.71E-05	3.78E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.92E-06	3.89E-06	1.28E-05	8.85E-07
6458	469776.22	3820573.82	0.000045046	1.89E-04	1.70E-05	3.75E-05	1.39E-04	1.22E-05	4.25E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.79E-07
6459	469767.33	3820569.98	0.000044738	1.88E-04	1.69E-05	3.73E-05	1.38E-04	1.21E-05	4.22E-06	2.42E-05	2.89E-06	3.84E-06	1.27E-05	8.73E-07
6460	469758.45	3820566.13	0.000044416	1.87E-04	1.68E-05	3.70E-05	1.37E-04	1.21E-05	4.19E-06	2.40E-05	2.86E-06	3.81E-06	1.26E-05	8.67E-07
6461	469749.57	3820562.29	0.000044089	1.85E-04	1.67E-05	3.67E-05	1.36E-04	1.20E-05	4.16E-06	2.38E-05	2.84E-06	3.78E-06	1.25E-05	8.60E-07
6462	469740.68	3820558.45	0.000043747	1.84E-04	1.65E-05	3.64E-05	1.35E-04	1.19E-05	4.13E-06	2.37E-05	2.82E-06	3.76E-06	1.24E-05	8.54E-07
6463	469731.8	3820554.61	0.000043401	1.82E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.47E-07
6464	469722.91	3820550.77	0.00004305	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.40E-07
6465	469714.03	3820546.93	0.000042699	1.79E-04	1.61E-05	3.56E-05	1.32E-04	1.16E-05	4.03E-06	2.31E-05	2.75E-06	3.67E-06	1.21E-05	8.33E-07
6466	469705.15	3820543.08	0.000042338	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.63E-06	1.20E-05	8.26E-07
6467	469696.26	3820539.24	0.000041977	1.76E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.96E-06	2.27E-05	2.71E-06	3.60E-06	1.19E-05	8.19E-07
6468	469607.42	3820500.83	0.000038432	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
6469	469598.54	3820496.98	0.0000381	1.60E-04	1.44E-05	3.17E-05	1.18E-04	1.03E-05	3.60E-06	2.06E-05	2.46E-06	3.27E-06	1.08E-05	7.43E-07
6470	469589.65	3820493.14	0.000037768	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.57E-06	2.04E-05	2.44E-06	3.24E-06	1.07E-05	7.37E-07
6471	469580.77	3820489.3	0.000037445	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.02E-05	2.42E-06	3.21E-06	1.06E-05	7.31E-07
6472	469571.89	3820485.46	0.000037123	1.56E-04	1.40E-05	3.09E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.39E-06	3.19E-06	1.05E-05	7.24E-07
6473	469563	3820481.62	0.000036815	1.55E-04	1.39E-05	3.07E-05	1.14E-04	9.99E-06	3.48E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.18E-07
6474	469554.12	3820477.78	0.000036517	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.91E-06	3.45E-06	1.97E-05	2.36E-06	3.13E-06	1.03E-05	7.13E-07
6475	469545.23	3820473.93	0.000036224	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.83E-06	3.42E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.07E-07
6476	469536.35	3820470.09	0.000035935	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.75E-06	3.39E-06	1.94E-05	2.32E-06	3.08E-06	1.02E-05	7.01E-07
6477	469527.46	3820466.25	0.000035651	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.68E-06	3.37E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.96E-07
6478	469518.58	3820462.41	0.000035377	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.60E-06	3.34E-06	1.91E-05	2.28E-06	3.04E-06	1.00E-05	6.90E-07
6479	469509.7	3820458.57	0.000035103	1.47E-04	1.33E-05	2.92E-05	1.08E-04	9.53E-06	3.31E-06	1.90E-05	2.26E-06	3.01E-06	9.94E-06	6.85E-07
6480	469500.81	3820454.73	0.000034838	1.46E-04	1.32E-05	2.90E-05	1.08E-04	9.46E-06	3.29E-06	1.88E-05	2.25E-06	2.99E-06	9.86E-06	6.80E-07
6481	469491.93	3820450.88	0.000034574	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.39E-06	3.26E-06	1.87E-05	2.23E-06	2.97E-06	9.79E-06	6.75E-07
6482	469483.04	3820447.04	0.000034319	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.32E-06	3.24E-06	1.86E-05	2.21E-06	2.95E-06	9.71E-06	6.70E-07
6483	469474.16	3820443.2	0.000034064	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.92E-06	9.64E-06	6.65E-07
6484	469465.28	3820439.36	0.000033813	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.18E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.57E-06	6.60E-07
6485	469456.39	3820435.52	0.000033563	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.11E-06	3.17E-06	1.81E-05	2.16E-06	2.88E-06	9.50E-06	6.55E-07
6486	469447.51	3820431.68	0.000033318	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.04E-06	3.15E-06	1.80E-05	2.15E-06	2.86E-06	9.43E-06	6.50E-07
6487	469438.62	3820427.83	0.000033073	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.98E-06	3.12E-06	1.79E-05	2.13E-06	2.84E-06	9.36E-06	6.45E-07
6488	469429.74	3820423.99	0.000032832	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.91E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.41E-07
6489	469420.86	3820420.15	0.000032592	1.37E-04	1.23E-05	2.71E-05	1.01E-04	8.85E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.23E-06	6.36E-07

6490	469411.97	3820416.31	0.000032351	1.36E-04	1.22E-05	2.69E-05	9.98E-05	8.78E-06	3.05E-06	1.75E-05	2.09E-06	2.78E-06	9.16E-06	6.31E-07
6491	469403.09	3820412.47	0.000032115	1.35E-04	1.21E-05	2.68E-05	9.91E-05	8.72E-06	3.03E-06	1.74E-05	2.07E-06	2.76E-06	9.09E-06	6.27E-07
6492	469394.2	3820408.62	0.000031875	1.34E-04	1.21E-05	2.66E-05	9.84E-05	8.65E-06	3.01E-06	1.72E-05	2.06E-06	2.74E-06	9.02E-06	6.22E-07
6493	469385.32	3820404.78	0.000031629	1.33E-04	1.20E-05	2.63E-05	9.76E-05	8.59E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.95E-06	6.17E-07
6494	469376.44	3820400.94	0.000031384	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.52E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
6495	469367.55	3820397.1	0.000031134	1.31E-04	1.18E-05	2.59E-05	9.61E-05	8.45E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.81E-06	6.08E-07
6496	469358.67	3820393.26	0.000030884	1.30E-04	1.17E-05	2.57E-05	9.53E-05	8.38E-06	2.92E-06	1.67E-05	1.99E-06	2.65E-06	8.74E-06	6.03E-07
6497	469349.78	3820389.42	0.000030629	1.29E-04	1.16E-05	2.55E-05	9.45E-05	8.31E-06	2.89E-06	1.66E-05	1.98E-06	2.63E-06	8.67E-06	5.98E-07
6498	469340.9	3820385.57	0.000030374	1.28E-04	1.15E-05	2.53E-05	9.37E-05	8.25E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.60E-06	5.93E-07
6499	469332.02	3820381.73	0.000030114	1.26E-04	1.14E-05	2.51E-05	9.29E-05	8.17E-06	2.84E-06	1.63E-05	1.94E-06	2.59E-06	8.52E-06	5.88E-07
6500	469323.13	3820377.89	0.00002985	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.93E-06	2.56E-06	8.45E-06	5.82E-07
6501	469314.25	3820374.05	0.00002958	1.24E-04	1.12E-05	2.46E-05	9.13E-05	8.03E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.37E-06	5.77E-07
6502	469305.36	3820370.21	0.000029306	1.23E-04	1.11E-05	2.44E-05	9.04E-05	7.96E-06	2.77E-06	1.58E-05	1.89E-06	2.52E-06	8.30E-06	5.72E-07
6503	469296.48	3820366.37	0.000029032	1.22E-04	1.10E-05	2.42E-05	8.96E-05	7.88E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.22E-06	5.67E-07
6504	469269.83	3820354.84	0.00002819	1.18E-04	1.07E-05	2.35E-05	8.70E-05	7.65E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
6505	469260.94	3820351	0.000027896	1.17E-04	1.06E-05	2.32E-05	8.61E-05	7.57E-06	2.63E-06	1.51E-05	1.80E-06	2.39E-06	7.90E-06	5.44E-07
6506	469252.06	3820347.16	0.000027603	1.16E-04	1.04E-05	2.30E-05	8.52E-05	7.49E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.81E-06	5.39E-07
6507	469243.18	3820343.32	0.0000273	1.15E-04	1.03E-05	2.27E-05	8.42E-05	7.41E-06	2.58E-06	1.48E-05	1.76E-06	2.34E-06	7.73E-06	5.33E-07
6508	469234.29	3820339.47	0.000026997	1.13E-04	1.02E-05	2.25E-05	8.33E-05	7.33E-06	2.55E-06	1.46E-05	1.74E-06	2.32E-06	7.64E-06	5.27E-07
6509	469225.41	3820335.63	0.000026684	1.12E-04	1.01E-05	2.22E-05	8.23E-05	7.24E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.55E-06	5.21E-07
6510	469216.52	3820331.79	0.000026372	1.11E-04	9.97E-06	2.20E-05	8.14E-05	7.16E-06	2.49E-06	1.43E-05	1.70E-06	2.26E-06	7.46E-06	5.15E-07
6511	469207.64	3820327.95	0.000026054	1.09E-04	9.85E-06	2.17E-05	8.04E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.37E-06	5.08E-07
6512	469195.22	3820315.1	0.00002565	1.08E-04	9.70E-06	2.14E-05	7.92E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.26E-06	5.01E-07
6513	469191.68	3820306.09	0.000025554	1.07E-04	9.66E-06	2.13E-05	7.89E-05	6.94E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.23E-06	4.99E-07
6514	469188.14	3820297.08	0.000025448	1.07E-04	9.62E-06	2.12E-05	7.85E-05	6.91E-06	2.40E-06	1.38E-05	1.64E-06	2.18E-06	7.20E-06	4.97E-07
6515	469184.6	3820288.07	0.000025332	1.06E-04	9.58E-06	2.11E-05	7.82E-05	6.88E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.17E-06	4.94E-07
6516	469181.06	3820279.06	0.000025207	1.06E-04	9.53E-06	2.10E-05	7.78E-05	6.84E-06	2.38E-06	1.36E-05	1.63E-06	2.16E-06	7.14E-06	4.92E-07
6517	469177.53	3820270.05	0.000025077	1.05E-04	9.48E-06	2.09E-05	7.74E-05	6.81E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.89E-07
6518	469173.99	3820261.04	0.000024933	1.05E-04	9.43E-06	2.08E-05	7.69E-05	6.77E-06	2.35E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.87E-07
6519	469170.45	3820252.03	0.000024784	1.04E-04	9.37E-06	2.06E-05	7.65E-05	6.73E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.02E-06	4.84E-07
6520	469166.91	3820243.02	0.00002462	1.03E-04	9.31E-06	2.05E-05	7.60E-05	6.68E-06	2.32E-06	1.33E-05	1.59E-06	2.11E-06	6.97E-06	4.80E-07
6521	469163.37	3820234.01	0.000024452	1.03E-04	9.25E-06	2.04E-05	7.55E-05	6.64E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.92E-06	4.77E-07
6522	469159.84	3820225	0.000024274	1.02E-04	9.18E-06	2.02E-05	7.49E-05	6.59E-06	2.29E-06	1.31E-05	1.57E-06	2.08E-06	6.87E-06	4.74E-07
6523	469156.3	3820216	0.000024086	1.01E-04	9.11E-06	2.01E-05	7.43E-05	6.54E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.82E-06	4.70E-07
6524	469152.76	3820206.99	0.000023894	1.00E-04	9.04E-06	1.99E-05	7.37E-05	6.49E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.76E-06	4.66E-07
6525	469149.22	3820197.98	0.000023692	9.95E-05	8.96E-06	1.97E-05	7.31E-05	6.43E-06	2.24E-06	1.28E-05	1.53E-06	2.03E-06	6.71E-06	4.62E-07
6526	469145.68	3820188.97	0.00002348	9.86E-05	8.88E-06	1.96E-05	7.25E-05	6.37E-06	2.22E-06	1.27E-05	1.51E-06	2.02E-06	6.65E-06	4.58E-07
6527	469142.15	3820179.96	0.000023259	9.77E-05	8.80E-06	1.94E-05	7.18E-05	6.31E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.58E-06	4.54E-07
6528	469138.61	3820170.95	0.000023033	9.67E-05	8.71E-06	1.92E-05	7.11E-05	6.25E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.52E-06	4.49E-07
6529	469135.07	3820161.94	0.000022792	9.57E-05	8.62E-06	1.90E-05	7.03E-05	6.19E-06	2.15E-06	1.23E-05	1.47E-06	1.96E-06	6.45E-06	4.45E-07
6530	469131.53	3820152.93	0.000022552	9.47E-05	8.53E-06	1.88E-05	6.96E-05	6.12E-06	2.13E-06	1.22E-05	1.45E-06	1.94E-06	6.38E-06	4.40E-07
6531	469127.99	3820143.92	0.000022302	9.37E-05	8.43E-06	1.86E-05	6.88E-05	6.05E-06	2.11E-06	1.21E-05	1.44E-06	1.91E-06	6.31E-06	4.35E-07
6532	469124.46	3820134.91	0.000022042	9.26E-05	8.34E-06	1.84E-05	6.80E-05	5.98E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.24E-06	4.30E-07

6533	469120.92	3820125.9	0.000021777	9.15E-05	8.24E-06	1.81E-05	6.72E-05	5.91E-06	2.06E-06	1.18E-05	1.40E-06	1.87E-06	6.16E-06	4.25E-07
6534	469117.38	3820116.89	0.000021508	9.03E-05	8.13E-06	1.79E-05	6.64E-05	5.84E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.09E-06	4.20E-07
6535	469113.84	3820107.88	0.000021229	8.92E-05	8.03E-06	1.77E-05	6.55E-05	5.76E-06	2.00E-06	1.15E-05	1.37E-06	1.82E-06	6.01E-06	4.14E-07
6536	469110.3	3820098.87	0.000020945	8.80E-05	7.92E-06	1.74E-05	6.46E-05	5.69E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
6537	469106.77	3820089.87	0.000020657	8.67E-05	7.81E-06	1.72E-05	6.37E-05	5.61E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.85E-06	4.03E-07
6538	469103.23	3820080.86	0.000020368	8.55E-05	7.70E-06	1.70E-05	6.29E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.77E-06	3.97E-07
6539	469099.69	3820071.85	0.00002007	8.43E-05	7.59E-06	1.67E-05	6.19E-05	5.45E-06	1.90E-06	1.08E-05	1.29E-06	1.72E-06	5.68E-06	3.92E-07
6540	469096.15	3820062.84	0.000019767	8.30E-05	7.48E-06	1.65E-05	6.10E-05	5.37E-06	1.87E-06	1.07E-05	1.27E-06	1.70E-06	5.60E-06	3.86E-07
6541	469074.92	3820008.78	0.000017871	7.51E-05	6.76E-06	1.49E-05	5.51E-05	4.85E-06	1.69E-06	9.66E-06	1.15E-06	1.53E-06	5.06E-06	3.49E-07
6542	469071.39	3819999.77	0.000017544	7.37E-05	6.64E-06	1.46E-05	5.41E-05	4.76E-06	1.66E-06	9.48E-06	1.13E-06	1.51E-06	4.97E-06	3.42E-07
6543	469067.85	3819990.76	0.000017217	7.23E-05	6.51E-06	1.43E-05	5.31E-05	4.67E-06	1.63E-06	9.31E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
6544	469064.31	3819981.75	0.000016875	7.09E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
6545	469060.77	3819972.74	0.000016534	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.49E-06	1.56E-06	8.94E-06	1.07E-06	1.42E-06	4.68E-06	3.23E-07
6546	469057.23	3819963.73	0.000016207	6.81E-05	6.13E-06	1.35E-05	5.00E-05	4.40E-06	1.53E-06	8.76E-06	1.05E-06	1.39E-06	4.59E-06	3.16E-07
6547	469053.7	3819954.73	0.000015875	6.67E-05	6.00E-06	1.32E-05	4.90E-05	4.31E-06	1.50E-06	8.58E-06	1.02E-06	1.36E-06	4.49E-06	3.10E-07
6548	469050.16	3819945.72	0.000015548	6.53E-05	5.88E-06	1.30E-05	4.80E-05	4.22E-06	1.47E-06	8.41E-06	1.00E-06	1.33E-06	4.40E-06	3.03E-07
6549	469046.62	3819936.71	0.000015216	6.39E-05	5.75E-06	1.27E-05	4.70E-05	4.13E-06	1.44E-06	8.23E-06	9.81E-07	1.31E-06	4.31E-06	2.97E-07
6550	469043.08	3819927.7	0.000014889	6.25E-05	5.63E-06	1.24E-05	4.59E-05	4.04E-06	1.41E-06	8.05E-06	9.60E-07	1.28E-06	4.21E-06	2.91E-07
6551	469039.54	3819918.69	0.000014557	6.11E-05	5.51E-06	1.21E-05	4.49E-05	3.95E-06	1.37E-06	7.87E-06	9.39E-07	1.25E-06	4.12E-06	2.84E-07
6552	469036.01	3819909.68	0.000014225	5.97E-05	5.38E-06	1.18E-05	4.39E-05	3.86E-06	1.34E-06	7.69E-06	9.18E-07	1.22E-06	4.03E-06	2.78E-07
6553	469032.47	3819900.67	0.000013888	5.83E-05	5.25E-06	1.16E-05	4.29E-05	3.77E-06	1.31E-06	7.51E-06	8.96E-07	1.19E-06	3.93E-06	2.71E-07
6554	469028.93	3819891.66	0.000013556	5.69E-05	5.13E-06	1.13E-05	4.18E-05	3.68E-06	1.28E-06	7.33E-06	8.74E-07	1.16E-06	3.84E-06	2.65E-07
6555	469025.39	3819882.65	0.000013229	5.56E-05	5.00E-06	1.10E-05	4.08E-05	3.59E-06	1.25E-06	7.15E-06	8.53E-07	1.14E-06	3.74E-06	2.58E-07
6556	469021.85	3819873.64	0.000012912	5.42E-05	4.88E-06	1.08E-05	3.98E-05	3.50E-06	1.22E-06	6.98E-06	8.33E-07	1.11E-06	3.65E-06	2.52E-07
6557	469018.32	3819864.63	0.000012604	5.29E-05	4.77E-06	1.05E-05	3.89E-05	3.42E-06	1.19E-06	6.81E-06	8.13E-07	1.08E-06	3.57E-06	2.46E-07
6558	469014.78	3819855.62	0.000012291	5.16E-05	4.65E-06	1.02E-05	3.79E-05	3.34E-06	1.16E-06	6.64E-06	7.93E-07	1.06E-06	3.48E-06	2.40E-07
6559	469011.24	3819846.61	0.000011988	5.03E-05	4.53E-06	9.99E-06	3.70E-05	3.25E-06	1.13E-06	6.48E-06	7.73E-07	1.03E-06	3.39E-06	2.34E-07
6560	469007.7	3819837.6	0.000011685	4.91E-05	4.42E-06	9.73E-06	3.61E-05	3.17E-06	1.10E-06	6.32E-06	7.54E-07	1.00E-06	3.31E-06	2.28E-07
6561	469004.16	3819828.6	0.000011391	4.78E-05	4.31E-06	9.49E-06	3.52E-05	3.09E-06	1.08E-06	6.16E-06	7.35E-07	9.78E-07	3.22E-06	2.22E-07
6562	469000.63	3819819.59	0.000011098	4.66E-05	4.20E-06	9.24E-06	3.42E-05	3.01E-06	1.05E-06	6.00E-06	7.16E-07	9.53E-07	3.14E-06	2.17E-07
6563	468997.09	3819810.58	0.000010809	4.54E-05	4.09E-06	9.00E-06	3.34E-05	2.93E-06	1.02E-06	5.84E-06	6.97E-07	9.28E-07	3.06E-06	2.11E-07
6564	468993.55	3819801.57	0.000010526	4.42E-05	3.98E-06	8.77E-06	3.25E-05	2.86E-06	9.94E-07	5.69E-06	6.79E-07	9.04E-07	2.98E-06	2.05E-07
6565	468990.01	3819792.56	0.000010242	4.30E-05	3.87E-06	8.53E-06	3.16E-05	2.78E-06	9.67E-07	5.54E-06	6.61E-07	8.79E-07	2.90E-06	2.00E-07
6566	468986.47	3819783.55	9.9675E-06	4.19E-05	3.77E-06	8.30E-06	3.08E-05	2.71E-06	9.41E-07	5.39E-06	6.43E-07	8.56E-07	2.82E-06	1.94E-07
6567	468982.94	3819774.54	9.6981E-06	4.07E-05	3.67E-06	8.08E-06	2.99E-05	2.63E-06	9.16E-07	5.24E-06	6.26E-07	8.33E-07	2.75E-06	1.89E-07
6568	468979.4	3819765.53	9.4383E-06	3.96E-05	3.57E-06	7.86E-06	2.91E-05	2.56E-06	8.91E-07	5.10E-06	6.09E-07	8.10E-07	2.67E-06	1.84E-07
6569	468975.86	3819756.52	9.1834E-06	3.86E-05	3.47E-06	7.65E-06	2.83E-05	2.49E-06	8.67E-07	4.96E-06	5.92E-07	7.88E-07	2.60E-06	1.79E-07
6570	468972.32	3819747.51	0.000008938	3.75E-05	3.38E-06	7.44E-06	2.76E-05	2.43E-06	8.44E-07	4.83E-06	5.77E-07	7.67E-07	2.53E-06	1.74E-07
6571	468968.78	3819738.5	8.6975E-06	3.65E-05	3.29E-06	7.24E-06	2.68E-05	2.36E-06	8.21E-07	4.70E-06	5.61E-07	7.47E-07	2.46E-06	1.70E-07
6572	468965.25	3819729.49	8.4666E-06	3.56E-05	3.20E-06	7.05E-06	2.61E-05	2.30E-06	8.00E-07	4.58E-06	5.46E-07	7.27E-07	2.40E-06	1.65E-07
6573	468961.71	3819720.48	8.2405E-06	3.46E-05	3.12E-06	6.86E-06	2.54E-05	2.24E-06	7.78E-07	4.45E-06	5.32E-07	7.07E-07	2.33E-06	1.61E-07
6574	468958.17	3819711.47	8.0192E-06	3.37E-05	3.03E-06	6.68E-06	2.47E-05	2.18E-06	7.57E-07	4.34E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
6575	468954.63	3819702.47	7.8075E-06	3.28E-05	2.95E-06	6.50E-06	2.41E-05	2.12E-06	7.37E-07	4.22E-06	5.04E-07	6.70E-07	2.21E-06	1.52E-07

6576	468951.09	3819693.46	7.5959E-06	3.19E-05	2.87E-06	6.33E-06	2.34E-05	2.06E-06	7.17E-07	4.11E-06	4.90E-07	6.52E-07	2.15E-06	1.48E-07
6577	468947.56	3819684.45	0.000007389	3.10E-05	2.79E-06	6.15E-06	2.28E-05	2.01E-06	6.98E-07	3.99E-06	4.77E-07	6.34E-07	2.09E-06	1.44E-07
6578	468944.02	3819675.44	0.000007187	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.03E-06	1.40E-07
6579	468940.48	3819666.43	6.9994E-06	2.94E-05	2.65E-06	5.83E-06	2.16E-05	1.90E-06	6.61E-07	3.78E-06	4.51E-07	6.01E-07	1.98E-06	1.37E-07
6580	468936.94	3819657.42	6.8166E-06	2.86E-05	2.58E-06	5.68E-06	2.10E-05	1.85E-06	6.44E-07	3.69E-06	4.40E-07	5.85E-07	1.93E-06	1.33E-07
6581	468933.4	3819648.41	6.6434E-06	2.79E-05	2.51E-06	5.53E-06	2.05E-05	1.80E-06	6.27E-07	3.59E-06	4.29E-07	5.70E-07	1.88E-06	1.30E-07
6582	468929.87	3819639.4	0.000006475	2.72E-05	2.45E-06	5.39E-06	2.00E-05	1.76E-06	6.11E-07	3.50E-06	4.18E-07	5.56E-07	1.83E-06	1.26E-07
6583	468926.33	3819630.39	6.3115E-06	2.65E-05	2.39E-06	5.26E-06	1.95E-05	1.71E-06	5.96E-07	3.41E-06	4.07E-07	5.42E-07	1.79E-06	1.23E-07
6584	468922.79	3819621.38	6.1575E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.81E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
6585	468919.25	3819612.37	6.0036E-06	2.52E-05	2.27E-06	5.00E-06	1.85E-05	1.63E-06	5.67E-07	3.25E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
6586	468915.71	3819603.36	5.8545E-06	2.46E-05	2.21E-06	4.88E-06	1.81E-05	1.59E-06	5.53E-07	3.16E-06	3.78E-07	5.03E-07	1.66E-06	1.14E-07
6587	468912.17	3819594.35	5.7101E-06	2.40E-05	2.16E-06	4.76E-06	1.76E-05	1.55E-06	5.39E-07	3.09E-06	3.68E-07	4.90E-07	1.62E-06	1.11E-07
6588	468908.64	3819585.34	5.5706E-06	2.34E-05	2.11E-06	4.64E-06	1.72E-05	1.51E-06	5.26E-07	3.01E-06	3.59E-07	4.78E-07	1.58E-06	1.09E-07
6589	468905.1	3819576.33	5.4456E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.14E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
6590	468901.56	3819567.33	5.3205E-06	2.23E-05	2.01E-06	4.43E-06	1.64E-05	1.44E-06	5.02E-07	2.88E-06	3.43E-07	4.57E-07	1.51E-06	1.04E-07
6591	468898.02	3819558.32	0.000005205	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.41E-06	4.92E-07	2.81E-06	3.36E-07	4.47E-07	1.47E-06	1.02E-07
6592	468894.48	3819549.31	5.0944E-06	2.14E-05	1.93E-06	4.24E-06	1.57E-05	1.38E-06	4.81E-07	2.75E-06	3.29E-07	4.37E-07	1.44E-06	9.94E-08
6593	468890.95	3819540.3	4.9837E-06	2.09E-05	1.88E-06	4.15E-06	1.54E-05	1.35E-06	4.71E-07	2.69E-06	3.21E-07	4.28E-07	1.41E-06	9.72E-08
6594	468887.41	3819531.29	4.8827E-06	2.05E-05	1.85E-06	4.07E-06	1.51E-05	1.33E-06	4.61E-07	2.64E-06	3.15E-07	4.19E-07	1.38E-06	9.53E-08
6595	468883.87	3819522.28	4.4786E-06	1.88E-05	1.69E-06	3.73E-06	1.38E-05	1.22E-06	4.23E-07	2.42E-06	2.89E-07	3.84E-07	1.27E-06	8.74E-08
6596	468880.33	3819513.27	4.3872E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.14E-07	2.37E-06	2.83E-07	3.77E-07	1.24E-06	8.56E-08
6597	468876.79	3819504.26	4.3103E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.41E-08
6598	468873.26	3819495.25	4.2381E-06	1.78E-05	1.60E-06	3.53E-06	1.31E-05	1.15E-06	4.00E-07	2.29E-06	2.73E-07	3.64E-07	1.20E-06	8.27E-08
6599	468869.72	3819486.24	4.1852E-06	1.76E-05	1.58E-06	3.49E-06	1.29E-05	1.14E-06	3.95E-07	2.26E-06	2.70E-07	3.59E-07	1.18E-06	8.17E-08
6600	468866.18	3819477.23	4.1323E-06	1.74E-05	1.56E-06	3.44E-06	1.28E-05	1.12E-06	3.90E-07	2.23E-06	2.67E-07	3.55E-07	1.17E-06	8.06E-08
6601	468862.64	3819468.22	4.0842E-06	1.72E-05	1.54E-06	3.40E-06	1.26E-05	1.11E-06	3.86E-07	2.21E-06	2.63E-07	3.51E-07	1.16E-06	7.97E-08
6602	468859.1	3819459.21	4.0409E-06	1.70E-05	1.53E-06	3.37E-06	1.25E-05	1.10E-06	3.82E-07	2.18E-06	2.61E-07	3.47E-07	1.14E-06	7.88E-08
6603	468855.57	3819450.2	3.9928E-06	1.68E-05	1.51E-06	3.33E-06	1.23E-05	1.08E-06	3.77E-07	2.16E-06	2.58E-07	3.43E-07	1.13E-06	7.79E-08
6604	468852.03	3819441.2	3.9495E-06	1.66E-05	1.49E-06	3.29E-06	1.22E-05	1.07E-06	3.73E-07	2.14E-06	2.55E-07	3.39E-07	1.12E-06	7.71E-08
6605	468848.49	3819432.19	3.9014E-06	1.64E-05	1.48E-06	3.25E-06	1.20E-05	1.06E-06	3.68E-07	2.11E-06	2.52E-07	3.35E-07	1.10E-06	7.61E-08
6606	470087.16	3820708.28	0.000042439	1.78E-04	1.61E-05	3.53E-05	1.31E-04	1.15E-05	4.01E-06	2.29E-05	2.74E-06	3.64E-06	1.20E-05	8.28E-07
6607	470096.86	3820708.41	0.000042189	1.77E-04	1.60E-05	3.51E-05	1.30E-04	1.15E-05	3.98E-06	2.28E-05	2.72E-06	3.62E-06	1.19E-05	8.23E-07
6608	470106.56	3820708.55	0.000041919	1.76E-04	1.59E-05	3.49E-05	1.29E-04	1.14E-05	3.96E-06	2.27E-05	2.70E-06	3.60E-06	1.19E-05	8.18E-07
6609	470116.25	3820708.68	0.000041635	1.75E-04	1.57E-05	3.47E-05	1.28E-04	1.13E-05	3.93E-06	2.25E-05	2.69E-06	3.57E-06	1.18E-05	8.12E-07
6610	470125.95	3820708.82	0.000041342	1.74E-04	1.56E-05	3.44E-05	1.28E-04	1.12E-05	3.90E-06	2.23E-05	2.67E-06	3.55E-06	1.17E-05	8.07E-07
6611	470135.65	3820708.95	0.000041029	1.72E-04	1.55E-05	3.42E-05	1.27E-04	1.11E-05	3.87E-06	2.22E-05	2.65E-06	3.52E-06	1.16E-05	8.01E-07
6612	470145.34	3820709.09	0.000040717	1.71E-04	1.54E-05	3.39E-05	1.26E-04	1.11E-05	3.84E-06	2.20E-05	2.63E-06	3.50E-06	1.15E-05	7.95E-07
6613	470155.04	3820709.22	0.000040385	1.70E-04	1.53E-05	3.36E-05	1.25E-04	1.10E-05	3.81E-06	2.18E-05	2.60E-06	3.47E-06	1.14E-05	7.88E-07
6614	470164.74	3820709.36	0.000040053	1.68E-04	1.51E-05	3.34E-05	1.24E-04	1.09E-05	3.78E-06	2.17E-05	2.58E-06	3.44E-06	1.13E-05	7.82E-07
6615	470174.44	3820709.49	0.000039716	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.75E-06	2.15E-05	2.56E-06	3.41E-06	1.12E-05	7.75E-07
6616	470184.13	3820709.63	0.00003937	1.65E-04	1.49E-05	3.28E-05	1.21E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.68E-07
6617	470193.83	3820709.76	0.000039028	1.64E-04	1.48E-05	3.25E-05	1.20E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.35E-06	1.10E-05	7.62E-07
6618	470203.53	3820709.9	0.000038677	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.49E-06	3.32E-06	1.09E-05	7.55E-07

6619	470213.22	3820710.03	0.000038335	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.62E-06	2.07E-05	2.47E-06	3.29E-06	1.09E-05	7.48E-07
6620	470222.92	3820710.17	0.000037989	1.60E-04	1.44E-05	3.16E-05	1.17E-04	1.03E-05	3.59E-06	2.05E-05	2.45E-06	3.26E-06	1.08E-05	7.41E-07
6621	470232.62	3820710.3	0.000037643	1.58E-04	1.42E-05	3.14E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.43E-06	3.23E-06	1.07E-05	7.35E-07
6622	470242.32	3820710.44	0.000037296	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.52E-06	2.02E-05	2.41E-06	3.20E-06	1.06E-05	7.28E-07
6623	470252.01	3820710.57	0.000036955	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.49E-06	2.00E-05	2.38E-06	3.17E-06	1.05E-05	7.21E-07
6624	470261.71	3820710.71	0.000036618	1.54E-04	1.38E-05	3.05E-05	1.13E-04	9.94E-06	3.46E-06	1.98E-05	2.36E-06	3.14E-06	1.04E-05	7.15E-07
6625	470077.22	3820784.45	0.000038807	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
6626	470068.39	3820780.63	0.000039172	1.65E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.36E-06	1.11E-05	7.64E-07
6627	470059.56	3820776.82	0.000039533	1.66E-04	1.50E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.14E-05	2.55E-06	3.39E-06	1.12E-05	7.71E-07
6628	470050.73	3820773	0.000039884	1.68E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.77E-06	2.16E-05	2.57E-06	3.42E-06	1.13E-05	7.78E-07
6629	470041.9	3820769.18	0.000040226	1.69E-04	1.52E-05	3.35E-05	1.24E-04	1.09E-05	3.80E-06	2.17E-05	2.59E-06	3.45E-06	1.14E-05	7.85E-07
6630	470033.07	3820765.36	0.000040558	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.91E-07
6631	470024.24	3820761.54	0.000040875	1.72E-04	1.55E-05	3.40E-05	1.26E-04	1.11E-05	3.86E-06	2.21E-05	2.64E-06	3.51E-06	1.16E-05	7.98E-07
6632	470015.41	3820757.72	0.000041174	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.23E-05	2.66E-06	3.53E-06	1.17E-05	8.03E-07
6633	470006.58	3820753.91	0.000041448	1.74E-04	1.57E-05	3.45E-05	1.28E-04	1.13E-05	3.91E-06	2.24E-05	2.67E-06	3.56E-06	1.17E-05	8.09E-07
6634	469997.75	3820750.09	0.000041698	1.75E-04	1.58E-05	3.47E-05	1.29E-04	1.13E-05	3.94E-06	2.25E-05	2.69E-06	3.58E-06	1.18E-05	8.14E-07
6635	469988.92	3820746.27	0.000041934	1.76E-04	1.59E-05	3.49E-05	1.29E-04	1.14E-05	3.96E-06	2.27E-05	2.70E-06	3.60E-06	1.19E-05	8.18E-07
6636	469980.09	3820742.45	0.000042155	1.77E-04	1.59E-05	3.51E-05	1.30E-04	1.14E-05	3.98E-06	2.28E-05	2.72E-06	3.62E-06	1.19E-05	8.23E-07
6637	469971.26	3820738.63	0.000042357	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.64E-06	1.20E-05	8.27E-07
6638	469962.43	3820734.81	0.00004254	1.79E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.02E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.30E-07
6639	469953.6	3820731	0.000042708	1.79E-04	1.62E-05	3.56E-05	1.32E-04	1.16E-05	4.03E-06	2.31E-05	2.75E-06	3.67E-06	1.21E-05	8.33E-07
6640	469944.77	3820727.18	0.000042857	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.76E-06	3.68E-06	1.21E-05	8.36E-07
6641	469935.94	3820723.36	0.000042982	1.81E-04	1.63E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.39E-07
6642	469927.11	3820719.54	0.000043083	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.41E-07
6643	469918.28	3820715.72	0.000043165	1.81E-04	1.63E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.33E-05	2.78E-06	3.71E-06	1.22E-05	8.42E-07
6644	469909.45	3820711.9	0.000043223	1.82E-04	1.63E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.43E-07
6645	469900.62	3820708.09	0.000043257	1.82E-04	1.64E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.44E-07
6646	469891.79	3820704.27	0.000043266	1.82E-04	1.64E-05	3.60E-05	1.34E-04	1.17E-05	4.09E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.44E-07
6647	469882.96	3820700.45	0.000043252	1.82E-04	1.64E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.44E-07
6648	469874.13	3820696.63	0.000043213	1.81E-04	1.63E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.43E-07
6649	469865.3	3820692.81	0.00004316	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.08E-06	2.33E-05	2.78E-06	3.71E-06	1.22E-05	8.42E-07
6650	469856.47	3820688.99	0.000043088	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.41E-07
6651	469847.64	3820685.17	0.000042997	1.81E-04	1.63E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.39E-07
6652	469838.81	3820681.36	0.000042881	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.77E-06	3.68E-06	1.21E-05	8.37E-07
6653	469829.98	3820677.54	0.000042747	1.80E-04	1.62E-05	3.56E-05	1.32E-04	1.16E-05	4.04E-06	2.31E-05	2.76E-06	3.67E-06	1.21E-05	8.34E-07
6654	469821.15	3820673.72	0.000042593	1.79E-04	1.61E-05	3.55E-05	1.31E-04	1.16E-05	4.02E-06	2.30E-05	2.75E-06	3.66E-06	1.21E-05	8.31E-07
6655	469812.32	3820669.9	0.00004242	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.01E-06	2.29E-05	2.74E-06	3.64E-06	1.20E-05	8.28E-07
6656	469803.49	3820666.08	0.000042232	1.77E-04	1.60E-05	3.52E-05	1.30E-04	1.15E-05	3.99E-06	2.28E-05	2.72E-06	3.63E-06	1.20E-05	8.24E-07
6657	469794.66	3820662.26	0.00004203	1.77E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.97E-06	2.27E-05	2.71E-06	3.61E-06	1.19E-05	8.20E-07
6658	469785.83	3820658.45	0.000041809	1.76E-04	1.58E-05	3.48E-05	1.29E-04	1.13E-05	3.95E-06	2.26E-05	2.70E-06	3.59E-06	1.18E-05	8.16E-07
6659	469777	3820654.63	0.000041578	1.75E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.93E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.11E-07
6660	469768.17	3820650.81	0.000041332	1.74E-04	1.56E-05	3.44E-05	1.28E-04	1.12E-05	3.90E-06	2.23E-05	2.67E-06	3.55E-06	1.17E-05	8.06E-07
6661	469759.34	3820646.99	0.000041077	1.73E-04	1.55E-05	3.42E-05	1.27E-04	1.12E-05	3.88E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.02E-07

6662	469750.51	3820643.17	0.000040813	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.21E-05	2.63E-06	3.50E-06	1.16E-05	7.96E-07
6663	469741.68	3820639.35	0.000040534	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.61E-06	3.48E-06	1.15E-05	7.91E-07
6664	469732.85	3820635.54	0.00004025	1.69E-04	1.52E-05	3.35E-05	1.24E-04	1.09E-05	3.80E-06	2.18E-05	2.60E-06	3.46E-06	1.14E-05	7.85E-07
6665	469724.02	3820631.72	0.000039957	1.68E-04	1.51E-05	3.33E-05	1.23E-04	1.08E-05	3.77E-06	2.16E-05	2.58E-06	3.43E-06	1.13E-05	7.80E-07
6666	469715.19	3820627.9	0.000039658	1.67E-04	1.50E-05	3.30E-05	1.22E-04	1.08E-05	3.74E-06	2.14E-05	2.56E-06	3.40E-06	1.12E-05	7.74E-07
6667	469706.36	3820624.08	0.000039346	1.65E-04	1.49E-05	3.28E-05	1.21E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.68E-07
6668	469697.53	3820620.26	0.000039033	1.64E-04	1.48E-05	3.25E-05	1.20E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.35E-06	1.10E-05	7.62E-07
6669	469662.21	3820604.99	0.000037768	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.57E-06	2.04E-05	2.44E-06	3.24E-06	1.07E-05	7.37E-07
6670	469653.38	3820601.17	0.00003745	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.02E-05	2.42E-06	3.21E-06	1.06E-05	7.31E-07
6671	469644.55	3820597.35	0.000037133	1.56E-04	1.40E-05	3.09E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.25E-07
6672	469635.72	3820593.53	0.00003682	1.55E-04	1.39E-05	3.07E-05	1.14E-04	1.00E-05	3.48E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.18E-07
6673	469626.89	3820589.72	0.000036507	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.91E-06	3.45E-06	1.97E-05	2.35E-06	3.13E-06	1.03E-05	7.12E-07
6674	469618.06	3820585.9	0.000036195	1.52E-04	1.37E-05	3.01E-05	1.12E-04	9.83E-06	3.42E-06	1.96E-05	2.33E-06	3.11E-06	1.02E-05	7.06E-07
6675	469609.23	3820582.08	0.000035887	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.74E-06	3.39E-06	1.94E-05	2.31E-06	3.08E-06	1.02E-05	7.00E-07
6676	469600.4	3820578.26	0.000035584	1.49E-04	1.35E-05	2.96E-05	1.10E-04	9.66E-06	3.36E-06	1.92E-05	2.30E-06	3.05E-06	1.01E-05	6.94E-07
6677	469591.57	3820574.44	0.000035285	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.58E-06	3.33E-06	1.91E-05	2.28E-06	3.03E-06	9.99E-06	6.89E-07
6678	469582.74	3820570.62	0.000034992	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.50E-06	3.30E-06	1.89E-05	2.26E-06	3.00E-06	9.90E-06	6.83E-07
6679	469573.91	3820566.81	0.000034703	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.42E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.82E-06	6.77E-07
6680	469565.08	3820562.99	0.000034415	1.45E-04	1.30E-05	2.87E-05	1.06E-04	9.34E-06	3.25E-06	1.86E-05	2.22E-06	2.95E-06	9.74E-06	6.72E-07
6681	469556.25	3820559.17	0.000034136	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.22E-06	1.85E-05	2.20E-06	2.93E-06	9.66E-06	6.66E-07
6682	469547.42	3820555.35	0.000033866	1.42E-04	1.28E-05	2.82E-05	1.05E-04	9.19E-06	3.20E-06	1.83E-05	2.18E-06	2.91E-06	9.59E-06	6.61E-07
6683	469538.59	3820551.53	0.000033597	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.12E-06	3.17E-06	1.82E-05	2.17E-06	2.88E-06	9.51E-06	6.56E-07
6684	469529.76	3820547.71	0.000033332	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.05E-06	3.15E-06	1.80E-05	2.15E-06	2.86E-06	9.44E-06	6.50E-07
6685	469520.93	3820543.9	0.000033077	1.39E-04	1.25E-05	2.76E-05	1.02E-04	8.98E-06	3.12E-06	1.79E-05	2.13E-06	2.84E-06	9.36E-06	6.45E-07
6686	469512.1	3820540.08	0.000032827	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.91E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.41E-07
6687	469503.27	3820536.26	0.000032582	1.37E-04	1.23E-05	2.71E-05	1.01E-04	8.84E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.22E-06	6.36E-07
6688	469494.44	3820532.44	0.000032341	1.36E-04	1.22E-05	2.69E-05	9.98E-05	8.78E-06	3.05E-06	1.75E-05	2.09E-06	2.78E-06	9.15E-06	6.31E-07
6689	469485.61	3820528.62	0.000032106	1.35E-04	1.21E-05	2.67E-05	9.91E-05	8.72E-06	3.03E-06	1.74E-05	2.07E-06	2.76E-06	9.09E-06	6.26E-07
6690	469476.78	3820524.8	0.000031875	1.34E-04	1.21E-05	2.66E-05	9.84E-05	8.65E-06	3.01E-06	1.72E-05	2.06E-06	2.74E-06	9.02E-06	6.22E-07
6691	469467.95	3820520.99	0.000031649	1.33E-04	1.20E-05	2.64E-05	9.77E-05	8.59E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.96E-06	6.18E-07
6692	469459.12	3820517.17	0.000031427	1.32E-04	1.19E-05	2.62E-05	9.70E-05	8.53E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.90E-06	6.13E-07
6693	469450.29	3820513.35	0.000031211	1.31E-04	1.18E-05	2.60E-05	9.63E-05	8.47E-06	2.95E-06	1.69E-05	2.01E-06	2.68E-06	8.83E-06	6.09E-07
6694	469441.46	3820509.53	0.000030999	1.30E-04	1.17E-05	2.58E-05	9.57E-05	8.42E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.77E-06	6.05E-07
6695	469432.63	3820505.71	0.000030788	1.29E-04	1.16E-05	2.56E-05	9.50E-05	8.36E-06	2.91E-06	1.66E-05	1.99E-06	2.64E-06	8.71E-06	6.01E-07
6696	469423.8	3820501.89	0.000030576	1.28E-04	1.16E-05	2.55E-05	9.43E-05	8.30E-06	2.89E-06	1.65E-05	1.97E-06	2.62E-06	8.65E-06	5.97E-07
6697	469414.97	3820498.08	0.000030374	1.28E-04	1.15E-05	2.53E-05	9.37E-05	8.25E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.60E-06	5.93E-07
6698	469406.14	3820494.26	0.000030177	1.27E-04	1.14E-05	2.51E-05	9.31E-05	8.19E-06	2.85E-06	1.63E-05	1.95E-06	2.59E-06	8.54E-06	5.89E-07
6699	469397.31	3820490.44	0.000029975	1.26E-04	1.13E-05	2.50E-05	9.25E-05	8.14E-06	2.83E-06	1.62E-05	1.93E-06	2.57E-06	8.48E-06	5.85E-07
6700	469388.48	3820486.62	0.000029777	1.25E-04	1.13E-05	2.48E-05	9.19E-05	8.08E-06	2.81E-06	1.61E-05	1.92E-06	2.56E-06	8.43E-06	5.81E-07
6701	469379.65	3820482.8	0.00002958	1.24E-04	1.12E-05	2.46E-05	9.13E-05	8.03E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.37E-06	5.77E-07
6702	469370.82	3820478.98	0.000029378	1.23E-04	1.11E-05	2.45E-05	9.07E-05	7.98E-06	2.77E-06	1.59E-05	1.90E-06	2.52E-06	8.32E-06	5.73E-07
6703	469361.98	3820475.17	0.000029176	1.23E-04	1.10E-05	2.43E-05	9.00E-05	7.92E-06	2.76E-06	1.58E-05	1.88E-06	2.50E-06	8.26E-06	5.69E-07
6704	469353.15	3820471.35	0.000028974	1.22E-04	1.10E-05	2.41E-05	8.94E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.20E-06	5.65E-07

6705	469344.32	3820467.53	0.000028772	1.21E-04	1.09E-05	2.40E-05	8.88E-05	7.81E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.14E-06	5.61E-07
6706	469335.49	3820463.71	0.00002857	1.20E-04	1.08E-05	2.38E-05	8.82E-05	7.76E-06	2.70E-06	1.54E-05	1.84E-06	2.45E-06	8.09E-06	5.57E-07
6707	469326.66	3820459.89	0.000028368	1.19E-04	1.07E-05	2.36E-05	8.75E-05	7.70E-06	2.68E-06	1.53E-05	1.83E-06	2.44E-06	8.03E-06	5.54E-07
6708	469317.83	3820456.07	0.000028161	1.18E-04	1.07E-05	2.35E-05	8.69E-05	7.64E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.97E-06	5.49E-07
6709	469309	3820452.26	0.000027959	1.17E-04	1.06E-05	2.33E-05	8.63E-05	7.59E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.91E-06	5.46E-07
6710	469300.17	3820448.44	0.000027747	1.17E-04	1.05E-05	2.31E-05	8.56E-05	7.53E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.85E-06	5.41E-07
6711	469291.34	3820444.62	0.000027536	1.16E-04	1.04E-05	2.29E-05	8.50E-05	7.48E-06	2.60E-06	1.49E-05	1.78E-06	2.36E-06	7.79E-06	5.37E-07
6712	469264.85	3820433.16	0.000026872	1.13E-04	1.02E-05	2.24E-05	8.29E-05	7.29E-06	2.54E-06	1.45E-05	1.73E-06	2.31E-06	7.61E-06	5.24E-07
6713	469256.02	3820429.35	0.000026646	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
6714	469247.19	3820425.53	0.000026415	1.11E-04	9.99E-06	2.20E-05	8.15E-05	7.17E-06	2.49E-06	1.43E-05	1.70E-06	2.27E-06	7.48E-06	5.15E-07
6715	469238.36	3820421.71	0.000026179	1.10E-04	9.90E-06	2.18E-05	8.08E-05	7.11E-06	2.47E-06	1.42E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
6716	469229.53	3820417.89	0.000025939	1.09E-04	9.81E-06	2.16E-05	8.00E-05	7.04E-06	2.45E-06	1.40E-05	1.67E-06	2.23E-06	7.34E-06	5.06E-07
6717	469220.7	3820414.07	0.000025698	1.08E-04	9.72E-06	2.14E-05	7.93E-05	6.98E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.27E-06	5.01E-07
6718	469211.87	3820410.25	0.000025453	1.07E-04	9.63E-06	2.12E-05	7.85E-05	6.91E-06	2.40E-06	1.38E-05	1.64E-06	2.19E-06	7.20E-06	4.97E-07
6719	469203.04	3820406.44	0.000025203	1.06E-04	9.53E-06	2.10E-05	7.78E-05	6.84E-06	2.38E-06	1.36E-05	1.63E-06	2.16E-06	7.13E-06	4.92E-07
6720	469194.21	3820402.62	0.000024948	1.05E-04	9.43E-06	2.08E-05	7.70E-05	6.77E-06	2.36E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.87E-07
6721	469185.38	3820398.8	0.000024693	1.04E-04	9.34E-06	2.06E-05	7.62E-05	6.70E-06	2.33E-06	1.33E-05	1.59E-06	2.12E-06	6.99E-06	4.82E-07
6722	469176.55	3820394.98	0.000024433	1.03E-04	9.24E-06	2.04E-05	7.54E-05	6.63E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.92E-06	4.77E-07
6723	469167.72	3820391.16	0.000024168	1.02E-04	9.14E-06	2.01E-05	7.46E-05	6.56E-06	2.28E-06	1.31E-05	1.56E-06	2.07E-06	6.84E-06	4.72E-07
6724	469158.89	3820387.34	0.000023899	1.00E-04	9.04E-06	1.99E-05	7.37E-05	6.49E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.76E-06	4.66E-07
6725	469150.06	3820383.53	0.000023629	9.92E-05	8.94E-06	1.97E-05	7.29E-05	6.41E-06	2.23E-06	1.28E-05	1.52E-06	2.03E-06	6.69E-06	4.61E-07
6726	469137.72	3820370.75	0.000023283	9.78E-05	8.81E-06	1.94E-05	7.18E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.54E-07
6727	469134.2	3820361.8	0.000023201	9.74E-05	8.77E-06	1.93E-05	7.16E-05	6.30E-06	2.19E-06	1.25E-05	1.50E-06	1.99E-06	6.57E-06	4.53E-07
6728	469130.68	3820352.84	0.00002311	9.71E-05	8.74E-06	1.92E-05	7.13E-05	6.27E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.54E-06	4.51E-07
6729	469127.17	3820343.89	0.000023009	9.66E-05	8.70E-06	1.92E-05	7.10E-05	6.25E-06	2.17E-06	1.24E-05	1.48E-06	1.98E-06	6.51E-06	4.49E-07
6730	469123.65	3820334.94	0.000022903	9.62E-05	8.66E-06	1.91E-05	7.07E-05	6.22E-06	2.16E-06	1.24E-05	1.48E-06	1.97E-06	6.48E-06	4.47E-07
6731	469120.14	3820325.98	0.000022792	9.57E-05	8.62E-06	1.90E-05	7.03E-05	6.19E-06	2.15E-06	1.23E-05	1.47E-06	1.96E-06	6.45E-06	4.45E-07
6732	469116.62	3820317.03	0.000022672	9.52E-05	8.57E-06	1.89E-05	7.00E-05	6.15E-06	2.14E-06	1.23E-05	1.46E-06	1.95E-06	6.42E-06	4.42E-07
6733	469113.1	3820308.07	0.000022542	9.47E-05	8.53E-06	1.88E-05	6.96E-05	6.12E-06	2.13E-06	1.22E-05	1.45E-06	1.94E-06	6.38E-06	4.40E-07
6734	469109.59	3820299.12	0.000022408	9.41E-05	8.47E-06	1.87E-05	6.91E-05	6.08E-06	2.12E-06	1.21E-05	1.45E-06	1.92E-06	6.34E-06	4.37E-07
6735	469106.07	3820290.16	0.000022263	9.35E-05	8.42E-06	1.85E-05	6.87E-05	6.04E-06	2.10E-06	1.20E-05	1.44E-06	1.91E-06	6.30E-06	4.34E-07
6736	469102.55	3820281.21	0.000022114	9.29E-05	8.36E-06	1.84E-05	6.82E-05	6.00E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.26E-06	4.32E-07
6737	469099.04	3820272.25	0.000021955	9.22E-05	8.30E-06	1.83E-05	6.78E-05	5.96E-06	2.07E-06	1.19E-05	1.42E-06	1.88E-06	6.21E-06	4.28E-07
6738	469095.52	3820263.3	0.000021792	9.15E-05	8.24E-06	1.82E-05	6.72E-05	5.92E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.17E-06	4.25E-07
6739	469092	3820254.34	0.000021623	9.08E-05	8.18E-06	1.80E-05	6.67E-05	5.87E-06	2.04E-06	1.17E-05	1.39E-06	1.86E-06	6.12E-06	4.22E-07
6740	469088.49	3820245.39	0.000021445	9.01E-05	8.11E-06	1.79E-05	6.62E-05	5.82E-06	2.03E-06	1.16E-05	1.38E-06	1.84E-06	6.07E-06	4.18E-07
6741	469084.97	3820236.44	0.000021258	8.93E-05	8.04E-06	1.77E-05	6.56E-05	5.77E-06	2.01E-06	1.15E-05	1.37E-06	1.82E-06	6.02E-06	4.15E-07
6742	469081.45	3820227.48	0.000021065	8.85E-05	7.97E-06	1.75E-05	6.50E-05	5.72E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.96E-06	4.11E-07
6743	469077.94	3820218.53	0.000020868	8.76E-05	7.89E-06	1.74E-05	6.44E-05	5.66E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.07E-07
6744	469074.42	3820209.57	0.000020661	8.68E-05	7.81E-06	1.72E-05	6.38E-05	5.61E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.85E-06	4.03E-07
6745	469070.9	3820200.62	0.000020455	8.59E-05	7.74E-06	1.70E-05	6.31E-05	5.55E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.79E-06	3.99E-07
6746	469067.39	3820191.66	0.000020238	8.50E-05	7.65E-06	1.69E-05	6.25E-05	5.49E-06	1.91E-06	1.09E-05	1.31E-06	1.74E-06	5.73E-06	3.95E-07
6747	469063.87	3820182.71	0.000020012	8.40E-05	7.57E-06	1.67E-05	6.18E-05	5.43E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.66E-06	3.90E-07

6748	469060.35	3820173.75	0.000019786	8.31E-05	7.48E-06	1.65E-05	6.11E-05	5.37E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.60E-06	3.86E-07
6749	469056.84	3820164.8	0.000019555	8.21E-05	7.40E-06	1.63E-05	6.03E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.54E-06	3.82E-07
6750	469053.32	3820155.84	0.000019314	8.11E-05	7.30E-06	1.61E-05	5.96E-05	5.24E-06	1.82E-06	1.04E-05	1.25E-06	1.66E-06	5.47E-06	3.77E-07
6751	469049.81	3820146.89	0.000019074	8.01E-05	7.21E-06	1.59E-05	5.89E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
6752	469046.29	3820137.94	0.000018829	7.91E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.62E-06	5.33E-06	3.67E-07
6753	469042.77	3820128.98	0.000018578	7.80E-05	7.03E-06	1.55E-05	5.73E-05	5.04E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.26E-06	3.63E-07
6754	469039.26	3820120.03	0.000018323	7.70E-05	6.93E-06	1.53E-05	5.65E-05	4.97E-06	1.73E-06	9.91E-06	1.18E-06	1.57E-06	5.19E-06	3.58E-07
6755	469035.74	3820111.07	0.000018064	7.59E-05	6.83E-06	1.50E-05	5.57E-05	4.90E-06	1.71E-06	9.77E-06	1.17E-06	1.55E-06	5.11E-06	3.52E-07
6756	469032.22	3820102.12	0.000017804	7.48E-05	6.73E-06	1.48E-05	5.49E-05	4.83E-06	1.68E-06	9.62E-06	1.15E-06	1.53E-06	5.04E-06	3.47E-07
6757	469028.71	3820093.16	0.000017539	7.37E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.66E-06	9.48E-06	1.13E-06	1.51E-06	4.96E-06	3.42E-07
6758	469025.19	3820084.21	0.00001727	7.25E-05	6.53E-06	1.44E-05	5.33E-05	4.69E-06	1.63E-06	9.34E-06	1.11E-06	1.48E-06	4.89E-06	3.37E-07
6759	469021.67	3820075.25	0.000016996	7.14E-05	6.43E-06	1.42E-05	5.24E-05	4.61E-06	1.60E-06	9.19E-06	1.10E-06	1.46E-06	4.81E-06	3.32E-07
6760	469018.16	3820066.3	0.000016722	7.02E-05	6.32E-06	1.39E-05	5.16E-05	4.54E-06	1.58E-06	9.04E-06	1.08E-06	1.44E-06	4.73E-06	3.26E-07
6761	469014.64	3820057.35	0.000016447	6.91E-05	6.22E-06	1.37E-05	5.08E-05	4.46E-06	1.55E-06	8.89E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
6762	468993.54	3820003.62	0.00001474	6.19E-05	5.57E-06	1.23E-05	4.55E-05	4.00E-06	1.39E-06	7.97E-06	9.51E-07	1.27E-06	4.17E-06	2.88E-07
6763	468990.02	3819994.66	0.000014456	6.07E-05	5.47E-06	1.20E-05	4.46E-05	3.92E-06	1.37E-06	7.81E-06	9.32E-07	1.24E-06	4.09E-06	2.82E-07
6764	468986.51	3819985.71	0.000014172	5.95E-05	5.36E-06	1.18E-05	4.37E-05	3.85E-06	1.34E-06	7.66E-06	9.14E-07	1.22E-06	4.01E-06	2.77E-07
6765	468982.99	3819976.75	0.000013888	5.83E-05	5.25E-06	1.16E-05	4.29E-05	3.77E-06	1.31E-06	7.51E-06	8.96E-07	1.19E-06	3.93E-06	2.71E-07
6766	468979.48	3819967.8	0.000013604	5.71E-05	5.15E-06	1.13E-05	4.20E-05	3.69E-06	1.28E-06	7.35E-06	8.77E-07	1.17E-06	3.85E-06	2.65E-07
6767	468975.96	3819958.85	0.000013325	5.60E-05	5.04E-06	1.11E-05	4.11E-05	3.62E-06	1.26E-06	7.20E-06	8.59E-07	1.14E-06	3.77E-06	2.60E-07
6768	468972.44	3819949.89	0.000013041	5.48E-05	4.93E-06	1.09E-05	4.02E-05	3.54E-06	1.23E-06	7.05E-06	8.41E-07	1.12E-06	3.69E-06	2.54E-07
6769	468968.93	3819940.94	0.000012762	5.36E-05	4.83E-06	1.06E-05	3.94E-05	3.46E-06	1.21E-06	6.90E-06	8.23E-07	1.10E-06	3.61E-06	2.49E-07
6770	468965.41	3819931.98	0.000012479	5.24E-05	4.72E-06	1.04E-05	3.85E-05	3.39E-06	1.18E-06	6.75E-06	8.05E-07	1.07E-06	3.53E-06	2.43E-07
6771	468961.89	3819923.03	0.0000122	5.12E-05	4.61E-06	1.02E-05	3.76E-05	3.31E-06	1.15E-06	6.60E-06	7.87E-07	1.05E-06	3.45E-06	2.38E-07
6772	468958.38	3819914.07	0.000011921	5.01E-05	4.51E-06	9.93E-06	3.68E-05	3.24E-06	1.13E-06	6.44E-06	7.69E-07	1.02E-06	3.37E-06	2.33E-07
6773	468954.86	3819905.12	0.000011642	4.89E-05	4.40E-06	9.70E-06	3.59E-05	3.16E-06	1.10E-06	6.29E-06	7.51E-07	9.99E-07	3.30E-06	2.27E-07
6774	468951.34	3819896.16	0.000011367	4.77E-05	4.30E-06	9.47E-06	3.51E-05	3.09E-06	1.07E-06	6.15E-06	7.33E-07	9.76E-07	3.22E-06	2.22E-07
6775	468947.83	3819887.21	0.000011098	4.66E-05	4.20E-06	9.24E-06	3.42E-05	3.01E-06	1.05E-06	6.00E-06	7.16E-07	9.53E-07	3.14E-06	2.17E-07
6776	468944.31	3819878.26	0.000010838	4.55E-05	4.10E-06	9.03E-06	3.34E-05	2.94E-06	1.02E-06	5.86E-06	6.99E-07	9.30E-07	3.07E-06	2.11E-07
6777	468940.79	3819869.3	0.000010578	4.44E-05	4.00E-06	8.81E-06	3.26E-05	2.87E-06	9.99E-07	5.72E-06	6.82E-07	9.08E-07	2.99E-06	2.06E-07
6778	468937.28	3819860.35	0.000010323	4.34E-05	3.90E-06	8.60E-06	3.19E-05	2.80E-06	9.75E-07	5.58E-06	6.66E-07	8.86E-07	2.92E-06	2.01E-07
6779	468933.76	3819851.39	0.000010073	4.23E-05	3.81E-06	8.39E-06	3.11E-05	2.73E-06	9.51E-07	5.45E-06	6.50E-07	8.65E-07	2.85E-06	1.97E-07
6780	468930.24	3819842.44	0.000009828	4.13E-05	3.72E-06	8.19E-06	3.03E-05	2.67E-06	9.28E-07	5.31E-06	6.34E-07	8.44E-07	2.78E-06	1.92E-07
6781	468926.73	3819833.48	9.5826E-06	4.02E-05	3.62E-06	7.98E-06	2.96E-05	2.60E-06	9.05E-07	5.18E-06	6.18E-07	8.23E-07	2.71E-06	1.87E-07
6782	468923.21	3819824.53	9.3469E-06	3.93E-05	3.53E-06	7.79E-06	2.88E-05	2.54E-06	8.83E-07	5.05E-06	6.03E-07	8.02E-07	2.65E-06	1.82E-07
6783	468919.69	3819815.57	9.1016E-06	3.82E-05	3.44E-06	7.58E-06	2.81E-05	2.47E-06	8.59E-07	4.92E-06	5.87E-07	7.81E-07	2.58E-06	1.78E-07
6784	468916.18	3819806.62	8.8659E-06	3.72E-05	3.35E-06	7.38E-06	2.74E-05	2.41E-06	8.37E-07	4.79E-06	5.72E-07	7.61E-07	2.51E-06	1.73E-07
6785	468912.66	3819797.66	0.000008635	3.63E-05	3.27E-06	7.19E-06	2.66E-05	2.34E-06	8.15E-07	4.67E-06	5.57E-07	7.41E-07	2.44E-06	1.68E-07
6786	468909.15	3819788.71	8.4185E-06	3.54E-05	3.18E-06	7.01E-06	2.60E-05	2.29E-06	7.95E-07	4.55E-06	5.43E-07	7.23E-07	2.38E-06	1.64E-07
6787	468905.63	3819779.76	0.000008202	3.44E-05	3.10E-06	6.83E-06	2.53E-05	2.23E-06	7.75E-07	4.43E-06	5.29E-07	7.04E-07	2.32E-06	1.60E-07
6788	468902.11	3819770.8	7.9952E-06	3.36E-05	3.02E-06	6.66E-06	2.47E-05	2.17E-06	7.55E-07	4.32E-06	5.16E-07	6.86E-07	2.26E-06	1.56E-07
6789	468898.6	3819761.85	7.7883E-06	3.27E-05	2.95E-06	6.49E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.69E-07	2.20E-06	1.52E-07
6790	468895.08	3819752.89	7.5911E-06	3.19E-05	2.87E-06	6.32E-06	2.34E-05	2.06E-06	7.17E-07	4.10E-06	4.90E-07	6.52E-07	2.15E-06	1.48E-07

6791	468891.56	3819743.94	7.3986E-06	3.11E-05	2.80E-06	6.16E-06	2.28E-05	2.01E-06	6.99E-07	4.00E-06	4.77E-07	6.35E-07	2.09E-06	1.44E-07
6792	468888.05	3819734.98	0.000007211	3.03E-05	2.73E-06	6.01E-06	2.23E-05	1.96E-06	6.81E-07	3.90E-06	4.65E-07	6.19E-07	2.04E-06	1.41E-07
6793	468884.53	3819726.03	7.0282E-06	2.95E-05	2.66E-06	5.85E-06	2.17E-05	1.91E-06	6.64E-07	3.80E-06	4.53E-07	6.03E-07	1.99E-06	1.37E-07
6794	468881.01	3819717.07	6.8502E-06	2.88E-05	2.59E-06	5.71E-06	2.11E-05	1.86E-06	6.47E-07	3.70E-06	4.42E-07	5.88E-07	1.94E-06	1.34E-07
6795	468877.5	3819708.12	6.6771E-06	2.80E-05	2.53E-06	5.56E-06	2.06E-05	1.81E-06	6.31E-07	3.61E-06	4.31E-07	5.73E-07	1.89E-06	1.30E-07
6796	468873.98	3819699.16	6.5039E-06	2.73E-05	2.46E-06	5.42E-06	2.01E-05	1.77E-06	6.14E-07	3.52E-06	4.20E-07	5.58E-07	1.84E-06	1.27E-07
6797	468870.46	3819690.21	6.3403E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.99E-07	3.43E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
6798	468866.95	3819681.26	6.1768E-06	2.59E-05	2.34E-06	5.14E-06	1.91E-05	1.68E-06	5.83E-07	3.34E-06	3.98E-07	5.30E-07	1.75E-06	1.21E-07
6799	468863.43	3819672.3	6.0228E-06	2.53E-05	2.28E-06	5.02E-06	1.86E-05	1.63E-06	5.69E-07	3.26E-06	3.88E-07	5.17E-07	1.70E-06	1.18E-07
6800	468859.91	3819663.35	5.8785E-06	2.47E-05	2.22E-06	4.90E-06	1.81E-05	1.60E-06	5.55E-07	3.18E-06	3.79E-07	5.05E-07	1.66E-06	1.15E-07
6801	468856.4	3819654.39	0.000005739	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.42E-07	3.10E-06	3.70E-07	4.93E-07	1.62E-06	1.12E-07
6802	468852.88	3819645.44	5.5995E-06	2.35E-05	2.12E-06	4.66E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.58E-06	1.09E-07
6803	468849.36	3819636.48	5.4648E-06	2.30E-05	2.07E-06	4.55E-06	1.69E-05	1.48E-06	5.16E-07	2.95E-06	3.52E-07	4.69E-07	1.55E-06	1.07E-07
6804	468845.85	3819627.53	5.3349E-06	2.24E-05	2.02E-06	4.44E-06	1.65E-05	1.45E-06	5.04E-07	2.88E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
6805	468842.33	3819618.57	5.2098E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.41E-06	4.92E-07	2.82E-06	3.36E-07	4.47E-07	1.47E-06	1.02E-07
6806	468838.82	3819609.62	5.0944E-06	2.14E-05	1.93E-06	4.24E-06	1.57E-05	1.38E-06	4.81E-07	2.75E-06	3.29E-07	4.37E-07	1.44E-06	9.94E-08
6807	468835.3	3819600.67	4.9789E-06	2.09E-05	1.88E-06	4.15E-06	1.54E-05	1.35E-06	4.70E-07	2.69E-06	3.21E-07	4.27E-07	1.41E-06	9.72E-08
6808	468831.78	3819591.71	4.8731E-06	2.05E-05	1.84E-06	4.06E-06	1.50E-05	1.32E-06	4.60E-07	2.63E-06	3.14E-07	4.18E-07	1.38E-06	9.51E-08
6809	468828.27	3819582.76	4.7673E-06	2.00E-05	1.80E-06	3.97E-06	1.47E-05	1.29E-06	4.50E-07	2.58E-06	3.07E-07	4.09E-07	1.35E-06	9.30E-08
6810	468824.75	3819573.8	4.6662E-06	1.96E-05	1.76E-06	3.89E-06	1.44E-05	1.27E-06	4.41E-07	2.52E-06	3.01E-07	4.01E-07	1.32E-06	9.10E-08
6811	468821.23	3819564.85	4.5748E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.93E-07	1.29E-06	8.93E-08
6812	468817.72	3819555.89	4.1563E-06	1.75E-05	1.57E-06	3.46E-06	1.28E-05	1.13E-06	3.92E-07	2.25E-06	2.68E-07	3.57E-07	1.18E-06	8.11E-08
6813	468814.2	3819546.94	4.0649E-06	1.71E-05	1.54E-06	3.39E-06	1.25E-05	1.10E-06	3.84E-07	2.20E-06	2.62E-07	3.49E-07	1.15E-06	7.93E-08
6814	468810.68	3819537.98	0.000003988	1.67E-05	1.51E-06	3.32E-06	1.23E-05	1.08E-06	3.77E-07	2.16E-06	2.57E-07	3.42E-07	1.13E-06	7.78E-08
6815	468807.17	3819529.03	3.9206E-06	1.65E-05	1.48E-06	3.27E-06	1.21E-05	1.06E-06	3.70E-07	2.12E-06	2.53E-07	3.37E-07	1.11E-06	7.65E-08
6816	468803.65	3819520.07	3.8629E-06	1.62E-05	1.46E-06	3.22E-06	1.19E-05	1.05E-06	3.65E-07	2.09E-06	2.49E-07	3.32E-07	1.09E-06	7.54E-08
6817	468800.13	3819511.12	3.8148E-06	1.60E-05	1.44E-06	3.18E-06	1.18E-05	1.04E-06	3.60E-07	2.06E-06	2.46E-07	3.27E-07	1.08E-06	7.44E-08
6818	468796.62	3819502.17	3.7715E-06	1.58E-05	1.43E-06	3.14E-06	1.16E-05	1.02E-06	3.56E-07	2.04E-06	2.43E-07	3.24E-07	1.07E-06	7.36E-08
6819	468793.1	3819493.21	3.7234E-06	1.56E-05	1.41E-06	3.10E-06	1.15E-05	1.01E-06	3.52E-07	2.01E-06	2.40E-07	3.20E-07	1.05E-06	7.27E-08
6820	468789.58	3819484.26	3.6753E-06	1.54E-05	1.39E-06	3.06E-06	1.13E-05	9.98E-07	3.47E-07	1.99E-06	2.37E-07	3.16E-07	1.04E-06	7.17E-08
6821	468786.07	3819475.3	0.000003632	1.53E-05	1.37E-06	3.03E-06	1.12E-05	9.86E-07	3.43E-07	1.96E-06	2.34E-07	3.12E-07	1.03E-06	7.09E-08
6822	468782.55	3819466.35	3.5935E-06	1.51E-05	1.36E-06	2.99E-06	1.11E-05	9.75E-07	3.39E-07	1.94E-06	2.32E-07	3.08E-07	1.02E-06	7.01E-08
6823	468779.03	3819457.39	3.5598E-06	1.50E-05	1.35E-06	2.97E-06	1.10E-05	9.66E-07	3.36E-07	1.92E-06	2.30E-07	3.06E-07	1.01E-06	6.95E-08
6824	468775.52	3819448.44	0.000003531	1.48E-05	1.34E-06	2.94E-06	1.09E-05	9.59E-07	3.33E-07	1.91E-06	2.28E-07	3.03E-07	9.99E-07	6.89E-08
6825	468772	3819439.48	3.4973E-06	1.47E-05	1.32E-06	2.91E-06	1.08E-05	9.49E-07	3.30E-07	1.89E-06	2.26E-07	3.00E-07	9.90E-07	6.82E-08
6826	468768.49	3819430.53	3.4684E-06	1.46E-05	1.31E-06	2.89E-06	1.07E-05	9.42E-07	3.28E-07	1.88E-06	2.24E-07	2.98E-07	9.82E-07	6.77E-08
6827	470086.05	3820788.27	0.000038417	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
6828	470095.74	3820788.41	0.000038172	1.60E-04	1.44E-05	3.18E-05	1.18E-04	1.04E-05	3.60E-06	2.06E-05	2.46E-06	3.28E-06	1.08E-05	7.45E-07
6829	470105.44	3820788.54	0.000037912	1.59E-04	1.43E-05	3.16E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.45E-06	3.25E-06	1.07E-05	7.40E-07
6830	470115.14	3820788.68	0.000037647	1.58E-04	1.42E-05	3.14E-05	1.16E-04	1.02E-05	3.56E-06	2.04E-05	2.43E-06	3.23E-06	1.07E-05	7.35E-07
6831	470124.84	3820788.81	0.000037378	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.53E-06	2.02E-05	2.41E-06	3.21E-06	1.06E-05	7.29E-07
6832	470134.53	3820788.95	0.000037099	1.56E-04	1.40E-05	3.09E-05	1.14E-04	1.01E-05	3.50E-06	2.01E-05	2.39E-06	3.18E-06	1.05E-05	7.24E-07
6833	470144.23	3820789.08	0.00003681	1.55E-04	1.39E-05	3.07E-05	1.14E-04	9.99E-06	3.48E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.18E-07

6834	470153.93	3820789.22	0.000036522	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.91E-06	3.45E-06	1.97E-05	2.36E-06	3.14E-06	1.03E-05	7.13E-07
6835	470163.62	3820789.35	0.000036219	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.83E-06	3.42E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.07E-07
6836	470173.32	3820789.49	0.00003592	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.75E-06	3.39E-06	1.94E-05	2.32E-06	3.08E-06	1.02E-05	7.01E-07
6837	470183.02	3820789.62	0.000035613	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.67E-06	3.36E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.95E-07
6838	470192.72	3820789.76	0.000035305	1.48E-04	1.34E-05	2.94E-05	1.09E-04	9.58E-06	3.33E-06	1.91E-05	2.28E-06	3.03E-06	9.99E-06	6.89E-07
6839	470202.41	3820789.89	0.000034997	1.47E-04	1.32E-05	2.92E-05	1.08E-04	9.50E-06	3.30E-06	1.89E-05	2.26E-06	3.00E-06	9.91E-06	6.83E-07
6840	470212.11	3820790.03	0.000034694	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.42E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.82E-06	6.77E-07
6841	470221.81	3820790.16	0.000034381	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.33E-06	3.25E-06	1.86E-05	2.22E-06	2.95E-06	9.73E-06	6.71E-07
6842	470231.51	3820790.3	0.000034083	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.65E-06	6.65E-07
6843	470241.2	3820790.43	0.00003378	1.42E-04	1.28E-05	2.81E-05	1.04E-04	9.17E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.56E-06	6.59E-07
6844	470250.9	3820790.57	0.000033482	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.48E-06	6.53E-07
6845	470260.6	3820790.7	0.000033188	1.39E-04	1.26E-05	2.76E-05	1.02E-04	9.01E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.39E-06	6.48E-07
6846	470076.07	3820864.43	0.000035271	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.57E-06	3.33E-06	1.91E-05	2.27E-06	3.03E-06	9.98E-06	6.88E-07
6847	470067.21	3820860.6	0.000035598	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.66E-06	3.36E-06	1.92E-05	2.30E-06	3.06E-06	1.01E-05	6.95E-07
6848	470058.35	3820856.77	0.00003592	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.75E-06	3.39E-06	1.94E-05	2.32E-06	3.08E-06	1.02E-05	7.01E-07
6849	470049.49	3820852.94	0.000036233	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.84E-06	3.42E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.07E-07
6850	469969.75	3820818.45	0.000038561	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.08E-05	2.49E-06	3.31E-06	1.09E-05	7.52E-07
6851	469960.89	3820814.62	0.000038739	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.09E-05	2.50E-06	3.33E-06	1.10E-05	7.56E-07
6852	469952.03	3820810.79	0.000038908	1.63E-04	1.47E-05	3.24E-05	1.20E-04	1.06E-05	3.67E-06	2.10E-05	2.51E-06	3.34E-06	1.10E-05	7.59E-07
6853	469943.17	3820806.96	0.000039062	1.64E-04	1.48E-05	3.25E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.35E-06	1.11E-05	7.62E-07
6854	469934.31	3820803.13	0.000039196	1.65E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.36E-06	1.11E-05	7.65E-07
6855	469925.45	3820799.3	0.000039312	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.13E-05	2.54E-06	3.37E-06	1.11E-05	7.67E-07
6856	469916.59	3820795.46	0.000039408	1.66E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.12E-05	7.69E-07
6857	469907.73	3820791.63	0.00003949	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.71E-07
6858	469898.87	3820787.8	0.000039548	1.66E-04	1.50E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.72E-07
6859	469890.01	3820783.97	0.000039577	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.07E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.72E-07
6860	469881.15	3820780.14	0.000039591	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.07E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.73E-07
6861	469872.29	3820776.31	0.000039586	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.07E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.72E-07
6862	469863.42	3820772.48	0.000039562	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.07E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.72E-07
6863	469854.56	3820768.64	0.000039524	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.14E-05	2.55E-06	3.39E-06	1.12E-05	7.71E-07
6864	469845.7	3820764.81	0.000039461	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.70E-07
6865	469836.84	3820760.98	0.000039384	1.65E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.69E-07
6866	469827.98	3820757.15	0.000039293	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.67E-07
6867	469819.12	3820753.32	0.000039182	1.65E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.36E-06	1.11E-05	7.65E-07
6868	469810.26	3820749.49	0.000039062	1.64E-04	1.48E-05	3.25E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.35E-06	1.11E-05	7.62E-07
6869	469801.4	3820745.66	0.000038922	1.63E-04	1.47E-05	3.24E-05	1.20E-04	1.06E-05	3.68E-06	2.10E-05	2.51E-06	3.34E-06	1.10E-05	7.59E-07
6870	469792.54	3820741.82	0.000038768	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.56E-07
6871	469783.68	3820737.99	0.0000386	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
6872	469774.82	3820734.16	0.000038417	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
6873	469765.96	3820730.33	0.00003822	1.61E-04	1.45E-05	3.18E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.47E-06	3.28E-06	1.08E-05	7.46E-07
6874	469757.1	3820726.5	0.000038008	1.60E-04	1.44E-05	3.17E-05	1.17E-04	1.03E-05	3.59E-06	2.05E-05	2.45E-06	3.26E-06	1.08E-05	7.42E-07
6875	469748.24	3820722.67	0.000037787	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.57E-06	2.04E-05	2.44E-06	3.24E-06	1.07E-05	7.37E-07
6876	469739.38	3820718.84	0.000037556	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.33E-07

6877	469730.52	3820715	0.000037316	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.52E-06	2.02E-05	2.41E-06	3.20E-06	1.06E-05	7.28E-07
6878	469721.66	3820711.17	0.00003707	1.56E-04	1.40E-05	3.09E-05	1.14E-04	1.01E-05	3.50E-06	2.00E-05	2.39E-06	3.18E-06	1.05E-05	7.23E-07
6879	469712.8	3820707.34	0.000036815	1.55E-04	1.39E-05	3.07E-05	1.14E-04	9.99E-06	3.48E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.18E-07
6880	469703.94	3820703.51	0.000036555	1.54E-04	1.38E-05	3.04E-05	1.13E-04	9.92E-06	3.45E-06	1.98E-05	2.36E-06	3.14E-06	1.03E-05	7.13E-07
6881	469624.2	3820669.03	0.000034059	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.92E-06	9.64E-06	6.65E-07
6882	469615.33	3820665.2	0.00003378	1.42E-04	1.28E-05	2.81E-05	1.04E-04	9.17E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.56E-06	6.59E-07
6883	469606.47	3820661.36	0.000033506	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.10E-06	3.16E-06	1.81E-05	2.16E-06	2.88E-06	9.48E-06	6.54E-07
6884	469597.61	3820657.53	0.000033227	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.02E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.41E-06	6.48E-07
6885	469588.75	3820653.7	0.000032957	1.38E-04	1.25E-05	2.75E-05	1.02E-04	8.95E-06	3.11E-06	1.78E-05	2.13E-06	2.83E-06	9.33E-06	6.43E-07
6886	469579.89	3820649.87	0.000032683	1.37E-04	1.24E-05	2.72E-05	1.01E-04	8.87E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.25E-06	6.38E-07
6887	469571.03	3820646.04	0.000032409	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.17E-06	6.32E-07
6888	469562.17	3820642.21	0.000032144	1.35E-04	1.22E-05	2.68E-05	9.92E-05	8.73E-06	3.04E-06	1.74E-05	2.07E-06	2.76E-06	9.10E-06	6.27E-07
6889	469553.31	3820638.38	0.000031884	1.34E-04	1.21E-05	2.66E-05	9.84E-05	8.66E-06	3.01E-06	1.72E-05	2.06E-06	2.74E-06	9.03E-06	6.22E-07
6890	469544.45	3820634.54	0.000031634	1.33E-04	1.20E-05	2.63E-05	9.76E-05	8.59E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.95E-06	6.17E-07
6891	469535.59	3820630.71	0.000031384	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.52E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
6892	469526.73	3820626.88	0.000031144	1.31E-04	1.18E-05	2.59E-05	9.61E-05	8.45E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.82E-06	6.08E-07
6893	469517.87	3820623.05	0.000030903	1.30E-04	1.17E-05	2.57E-05	9.54E-05	8.39E-06	2.92E-06	1.67E-05	1.99E-06	2.65E-06	8.75E-06	6.03E-07
6894	469509.01	3820619.22	0.000030667	1.29E-04	1.16E-05	2.55E-05	9.46E-05	8.32E-06	2.90E-06	1.66E-05	1.98E-06	2.63E-06	8.68E-06	5.98E-07
6895	469500.15	3820615.39	0.000030432	1.28E-04	1.15E-05	2.53E-05	9.39E-05	8.26E-06	2.87E-06	1.65E-05	1.96E-06	2.61E-06	8.61E-06	5.94E-07
6896	469491.29	3820611.56	0.000030206	1.27E-04	1.14E-05	2.52E-05	9.32E-05	8.20E-06	2.85E-06	1.63E-05	1.95E-06	2.59E-06	8.55E-06	5.89E-07
6897	469482.43	3820607.72	0.000029984	1.26E-04	1.13E-05	2.50E-05	9.25E-05	8.14E-06	2.83E-06	1.62E-05	1.93E-06	2.57E-06	8.49E-06	5.85E-07
6898	469473.57	3820603.89	0.000029773	1.25E-04	1.13E-05	2.48E-05	9.19E-05	8.08E-06	2.81E-06	1.61E-05	1.92E-06	2.56E-06	8.43E-06	5.81E-07
6899	469464.71	3820600.06	0.000029571	1.24E-04	1.12E-05	2.46E-05	9.12E-05	8.03E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.37E-06	5.77E-07
6900	469455.85	3820596.23	0.000029368	1.23E-04	1.11E-05	2.45E-05	9.06E-05	7.97E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.31E-06	5.73E-07
6901	469446.99	3820592.4	0.000029171	1.23E-04	1.10E-05	2.43E-05	9.00E-05	7.92E-06	2.75E-06	1.58E-05	1.88E-06	2.50E-06	8.26E-06	5.69E-07
6902	469438.13	3820588.57	0.000028974	1.22E-04	1.10E-05	2.41E-05	8.94E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.20E-06	5.65E-07
6903	469429.27	3820584.73	0.000028782	1.21E-04	1.09E-05	2.40E-05	8.88E-05	7.81E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.15E-06	5.62E-07
6904	469420.41	3820580.9	0.000028594	1.20E-04	1.08E-05	2.38E-05	8.82E-05	7.76E-06	2.70E-06	1.55E-05	1.84E-06	2.45E-06	8.09E-06	5.58E-07
6905	469411.55	3820577.07	0.000028411	1.19E-04	1.07E-05	2.37E-05	8.77E-05	7.71E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.04E-06	5.54E-07
6906	469402.69	3820573.24	0.000028233	1.19E-04	1.07E-05	2.35E-05	8.71E-05	7.66E-06	2.67E-06	1.53E-05	1.82E-06	2.42E-06	7.99E-06	5.51E-07
6907	469393.83	3820569.41	0.00002806	1.18E-04	1.06E-05	2.34E-05	8.66E-05	7.62E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.94E-06	5.48E-07
6908	469384.97	3820565.58	0.000027882	1.17E-04	1.05E-05	2.32E-05	8.60E-05	7.57E-06	2.63E-06	1.51E-05	1.80E-06	2.39E-06	7.89E-06	5.44E-07
6909	469376.11	3820561.75	0.000027709	1.16E-04	1.05E-05	2.31E-05	8.55E-05	7.52E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.84E-06	5.41E-07
6910	469367.25	3820557.91	0.000027536	1.16E-04	1.04E-05	2.29E-05	8.50E-05	7.48E-06	2.60E-06	1.49E-05	1.78E-06	2.36E-06	7.79E-06	5.37E-07
6911	469358.38	3820554.08	0.000027362	1.15E-04	1.03E-05	2.28E-05	8.44E-05	7.43E-06	2.58E-06	1.48E-05	1.76E-06	2.35E-06	7.75E-06	5.34E-07
6912	469349.52	3820550.25	0.000027194	1.14E-04	1.03E-05	2.27E-05	8.39E-05	7.38E-06	2.57E-06	1.47E-05	1.75E-06	2.33E-06	7.70E-06	5.31E-07
6913	469340.66	3820546.42	0.000027026	1.14E-04	1.02E-05	2.25E-05	8.34E-05	7.34E-06	2.55E-06	1.46E-05	1.74E-06	2.32E-06	7.65E-06	5.27E-07
6914	469331.8	3820542.59	0.000026857	1.13E-04	1.02E-05	2.24E-05	8.29E-05	7.29E-06	2.54E-06	1.45E-05	1.73E-06	2.31E-06	7.60E-06	5.24E-07
6915	469296.36	3820527.26	0.000026189	1.10E-04	9.90E-06	2.18E-05	8.08E-05	7.11E-06	2.47E-06	1.42E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
6916	469287.5	3820523.43	0.000026016	1.09E-04	9.84E-06	2.17E-05	8.03E-05	7.06E-06	2.46E-06	1.41E-05	1.68E-06	2.23E-06	7.36E-06	5.08E-07
6917	469278.64	3820519.6	0.000025842	1.09E-04	9.77E-06	2.15E-05	7.97E-05	7.02E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.32E-06	5.04E-07
6918	469269.78	3820515.77	0.000025669	1.08E-04	9.71E-06	2.14E-05	7.92E-05	6.97E-06	2.42E-06	1.39E-05	1.66E-06	2.20E-06	7.27E-06	5.01E-07
6919	469260.92	3820511.94	0.000025486	1.07E-04	9.64E-06	2.12E-05	7.86E-05	6.92E-06	2.41E-06	1.38E-05	1.64E-06	2.19E-06	7.21E-06	4.97E-07

6920	469252.06	3820508.11	0.000025304	1.06E-04	9.57E-06	2.11E-05	7.81E-05	6.87E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.16E-06	4.94E-07
6921	469243.2	3820504.27	0.000025121	1.06E-04	9.50E-06	2.09E-05	7.75E-05	6.82E-06	2.37E-06	1.36E-05	1.62E-06	2.16E-06	7.11E-06	4.90E-07
6922	469234.34	3820500.44	0.000024933	1.05E-04	9.43E-06	2.08E-05	7.69E-05	6.77E-06	2.35E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.87E-07
6923	469225.48	3820496.61	0.000024746	1.04E-04	9.36E-06	2.06E-05	7.64E-05	6.72E-06	2.34E-06	1.34E-05	1.60E-06	2.12E-06	7.00E-06	4.83E-07
6924	469216.62	3820492.78	0.000024553	1.03E-04	9.29E-06	2.05E-05	7.58E-05	6.67E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.95E-06	4.79E-07
6925	469207.76	3820488.95	0.000024361	1.02E-04	9.21E-06	2.03E-05	7.52E-05	6.61E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.90E-06	4.75E-07
6926	469198.9	3820485.12	0.000024163	1.01E-04	9.14E-06	2.01E-05	7.46E-05	6.56E-06	2.28E-06	1.31E-05	1.56E-06	2.07E-06	6.84E-06	4.71E-07
6927	469190.04	3820481.29	0.000023966	1.01E-04	9.06E-06	2.00E-05	7.40E-05	6.51E-06	2.26E-06	1.30E-05	1.55E-06	2.06E-06	6.78E-06	4.68E-07
6928	469181.18	3820477.45	0.000023759	9.98E-05	8.99E-06	1.98E-05	7.33E-05	6.45E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.73E-06	4.64E-07
6929	469172.32	3820473.62	0.000023557	9.89E-05	8.91E-06	1.96E-05	7.27E-05	6.39E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.67E-06	4.60E-07
6930	469163.46	3820469.79	0.00002335	9.81E-05	8.83E-06	1.94E-05	7.21E-05	6.34E-06	2.20E-06	1.26E-05	1.51E-06	2.00E-06	6.61E-06	4.56E-07
6931	469154.6	3820465.96	0.000023139	9.72E-05	8.75E-06	1.93E-05	7.14E-05	6.28E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.55E-06	4.52E-07
6932	469145.74	3820462.13	0.000022922	9.63E-05	8.67E-06	1.91E-05	7.07E-05	6.22E-06	2.16E-06	1.24E-05	1.48E-06	1.97E-06	6.49E-06	4.47E-07
6933	469136.88	3820458.3	0.000022706	9.54E-05	8.59E-06	1.89E-05	7.01E-05	6.16E-06	2.14E-06	1.23E-05	1.46E-06	1.95E-06	6.43E-06	4.43E-07
6934	469128.02	3820454.47	0.000022485	9.44E-05	8.50E-06	1.87E-05	6.94E-05	6.10E-06	2.12E-06	1.22E-05	1.45E-06	1.93E-06	6.36E-06	4.39E-07
6935	469119.16	3820450.63	0.000022258	9.35E-05	8.42E-06	1.85E-05	6.87E-05	6.04E-06	2.10E-06	1.20E-05	1.44E-06	1.91E-06	6.30E-06	4.34E-07
6936	469110.3	3820446.8	0.000022028	9.25E-05	8.33E-06	1.83E-05	6.80E-05	5.98E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.24E-06	4.30E-07
6937	469101.43	3820442.97	0.000021792	9.15E-05	8.24E-06	1.82E-05	6.72E-05	5.92E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.17E-06	4.25E-07
6938	469092.57	3820439.14	0.000021551	9.05E-05	8.15E-06	1.80E-05	6.65E-05	5.85E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.10E-06	4.21E-07
6939	469080.19	3820426.32	0.000021248	8.92E-05	8.04E-06	1.77E-05	6.56E-05	5.77E-06	2.01E-06	1.15E-05	1.37E-06	1.82E-06	6.01E-06	4.15E-07
6940	469076.66	3820417.34	0.000021176	8.89E-05	8.01E-06	1.76E-05	6.53E-05	5.75E-06	2.00E-06	1.14E-05	1.37E-06	1.82E-06	5.99E-06	4.13E-07
6941	469073.13	3820408.35	0.000021094	8.86E-05	7.98E-06	1.76E-05	6.51E-05	5.73E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.97E-06	4.12E-07
6942	469069.6	3820399.37	0.000021008	8.82E-05	7.94E-06	1.75E-05	6.48E-05	5.70E-06	1.98E-06	1.14E-05	1.36E-06	1.80E-06	5.95E-06	4.10E-07
6943	469066.07	3820390.38	0.000020916	8.78E-05	7.91E-06	1.74E-05	6.45E-05	5.68E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.92E-06	4.08E-07
6944	469062.54	3820381.4	0.00002082	8.74E-05	7.87E-06	1.73E-05	6.42E-05	5.65E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
6945	469059.01	3820372.41	0.000020714	8.70E-05	7.83E-06	1.73E-05	6.39E-05	5.62E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.86E-06	4.04E-07
6946	469055.49	3820363.43	0.000020604	8.65E-05	7.79E-06	1.72E-05	6.36E-05	5.59E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.83E-06	4.02E-07
6947	469051.96	3820354.44	0.000020488	8.60E-05	7.75E-06	1.71E-05	6.32E-05	5.56E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.80E-06	4.00E-07
6948	469048.43	3820345.46	0.000020368	8.55E-05	7.70E-06	1.70E-05	6.29E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.77E-06	3.97E-07
6949	469044.9	3820336.47	0.000020238	8.50E-05	7.65E-06	1.69E-05	6.25E-05	5.49E-06	1.91E-06	1.09E-05	1.31E-06	1.74E-06	5.73E-06	3.95E-07
6950	469041.37	3820327.49	0.000020103	8.44E-05	7.60E-06	1.67E-05	6.20E-05	5.46E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.69E-06	3.92E-07
6951	469037.84	3820318.5	0.000019959	8.38E-05	7.55E-06	1.66E-05	6.16E-05	5.42E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.65E-06	3.89E-07
6952	469034.31	3820309.51	0.00001981	8.32E-05	7.49E-06	1.65E-05	6.11E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.61E-06	3.87E-07
6953	469030.79	3820300.53	0.000019656	8.25E-05	7.43E-06	1.64E-05	6.07E-05	5.34E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.84E-07
6954	469027.26	3820291.54	0.000019497	8.19E-05	7.37E-06	1.62E-05	6.02E-05	5.29E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.52E-06	3.80E-07
6955	469023.73	3820282.56	0.000019334	8.12E-05	7.31E-06	1.61E-05	5.97E-05	5.25E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.47E-06	3.77E-07
6956	469020.2	3820273.57	0.00001916	8.05E-05	7.25E-06	1.60E-05	5.91E-05	5.20E-06	1.81E-06	1.04E-05	1.24E-06	1.64E-06	5.42E-06	3.74E-07
6957	469016.67	3820264.59	0.000018987	7.97E-05	7.18E-06	1.58E-05	5.86E-05	5.15E-06	1.79E-06	1.03E-05	1.22E-06	1.63E-06	5.37E-06	3.70E-07
6958	469013.14	3820255.6	0.000018809	7.90E-05	7.11E-06	1.57E-05	5.80E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.61E-06	5.32E-06	3.67E-07
6959	469009.61	3820246.62	0.000018622	7.82E-05	7.04E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.27E-06	3.63E-07
6960	469006.09	3820237.63	0.000018429	7.74E-05	6.97E-06	1.54E-05	5.69E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
6961	469002.56	3820228.65	0.000018237	7.66E-05	6.90E-06	1.52E-05	5.63E-05	4.95E-06	1.72E-06	9.86E-06	1.18E-06	1.57E-06	5.16E-06	3.56E-07
6962	468999.03	3820219.66	0.000018035	7.57E-05	6.82E-06	1.50E-05	5.57E-05	4.90E-06	1.70E-06	9.75E-06	1.16E-06	1.55E-06	5.10E-06	3.52E-07

6963	468995.5	3820210.68	0.000017833	7.49E-05	6.74E-06	1.49E-05	5.50E-05	4.84E-06	1.68E-06	9.64E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
6964	468991.97	3820201.69	0.000017626	7.40E-05	6.67E-06	1.47E-05	5.44E-05	4.78E-06	1.66E-06	9.53E-06	1.14E-06	1.51E-06	4.99E-06	3.44E-07
6965	468988.44	3820192.71	0.000017414	7.31E-05	6.59E-06	1.45E-05	5.37E-05	4.73E-06	1.64E-06	9.41E-06	1.12E-06	1.49E-06	4.93E-06	3.40E-07
6966	468984.91	3820183.72	0.000017198	7.22E-05	6.50E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.30E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
6967	468981.39	3820174.74	0.000016976	7.13E-05	6.42E-06	1.41E-05	5.24E-05	4.61E-06	1.60E-06	9.18E-06	1.09E-06	1.46E-06	4.81E-06	3.31E-07
6968	468977.86	3820165.75	0.000016755	7.04E-05	6.34E-06	1.40E-05	5.17E-05	4.55E-06	1.58E-06	9.06E-06	1.08E-06	1.44E-06	4.74E-06	3.27E-07
6969	468974.33	3820156.77	0.000016529	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.49E-06	1.56E-06	8.94E-06	1.07E-06	1.42E-06	4.68E-06	3.23E-07
6970	468970.8	3820147.78	0.000016298	6.84E-05	6.16E-06	1.36E-05	5.03E-05	4.42E-06	1.54E-06	8.81E-06	1.05E-06	1.40E-06	4.61E-06	3.18E-07
6971	468967.27	3820138.79	0.000016067	6.75E-05	6.08E-06	1.34E-05	4.96E-05	4.36E-06	1.52E-06	8.69E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
6972	468963.74	3820129.81	0.000015832	6.65E-05	5.99E-06	1.32E-05	4.89E-05	4.30E-06	1.50E-06	8.56E-06	1.02E-06	1.36E-06	4.48E-06	3.09E-07
6973	468960.21	3820120.82	0.000015596	6.55E-05	5.90E-06	1.30E-05	4.81E-05	4.23E-06	1.47E-06	8.43E-06	1.01E-06	1.34E-06	4.41E-06	3.04E-07
6974	468956.69	3820111.84	0.000015351	6.45E-05	5.81E-06	1.28E-05	4.74E-05	4.17E-06	1.45E-06	8.30E-06	9.90E-07	1.32E-06	4.35E-06	3.00E-07
6975	468953.16	3820102.85	0.000015105	6.34E-05	5.71E-06	1.26E-05	4.66E-05	4.10E-06	1.43E-06	8.17E-06	9.74E-07	1.30E-06	4.28E-06	2.95E-07
6976	468949.63	3820093.87	0.00001486	6.24E-05	5.62E-06	1.24E-05	4.59E-05	4.03E-06	1.40E-06	8.03E-06	9.58E-07	1.28E-06	4.21E-06	2.90E-07
6977	468946.1	3820084.88	0.000014614	6.14E-05	5.53E-06	1.22E-05	4.51E-05	3.97E-06	1.38E-06	7.90E-06	9.43E-07	1.25E-06	4.14E-06	2.85E-07
6978	468942.57	3820075.9	0.000014369	6.03E-05	5.43E-06	1.20E-05	4.43E-05	3.90E-06	1.36E-06	7.77E-06	9.27E-07	1.23E-06	4.07E-06	2.80E-07
6979	468939.04	3820066.91	0.000014124	5.93E-05	5.34E-06	1.18E-05	4.36E-05	3.83E-06	1.33E-06	7.64E-06	9.11E-07	1.21E-06	4.00E-06	2.76E-07
6980	468935.51	3820057.93	0.000013878	5.83E-05	5.25E-06	1.16E-05	4.28E-05	3.77E-06	1.31E-06	7.50E-06	8.95E-07	1.19E-06	3.93E-06	2.71E-07
6981	468914.34	3820004.02	0.000012387	5.20E-05	4.68E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.70E-06	7.99E-07	1.06E-06	3.51E-06	2.42E-07
6982	468910.81	3819995.03	0.000012132	5.10E-05	4.59E-06	1.01E-05	3.74E-05	3.29E-06	1.15E-06	6.56E-06	7.83E-07	1.04E-06	3.43E-06	2.37E-07
6983	468907.29	3819986.05	0.000011877	4.99E-05	4.49E-06	9.89E-06	3.67E-05	3.22E-06	1.12E-06	6.42E-06	7.66E-07	1.02E-06	3.36E-06	2.32E-07
6984	468903.76	3819977.06	0.000011627	4.88E-05	4.40E-06	9.68E-06	3.59E-05	3.16E-06	1.10E-06	6.29E-06	7.50E-07	9.98E-07	3.29E-06	2.27E-07
6985	468900.23	3819968.07	0.000011382	4.78E-05	4.30E-06	9.48E-06	3.51E-05	3.09E-06	1.07E-06	6.15E-06	7.34E-07	9.77E-07	3.22E-06	2.22E-07
6986	468896.7	3819959.09	0.000011141	4.68E-05	4.21E-06	9.28E-06	3.44E-05	3.02E-06	1.05E-06	6.02E-06	7.19E-07	9.56E-07	3.15E-06	2.17E-07
6987	468893.17	3819950.1	0.000010901	4.58E-05	4.12E-06	9.08E-06	3.36E-05	2.96E-06	1.03E-06	5.89E-06	7.03E-07	9.36E-07	3.09E-06	2.13E-07
6988	468889.64	3819941.12	0.000010665	4.48E-05	4.03E-06	8.88E-06	3.29E-05	2.90E-06	1.01E-06	5.77E-06	6.88E-07	9.16E-07	3.02E-06	2.08E-07
6989	468886.11	3819932.13	0.000010429	4.38E-05	3.94E-06	8.69E-06	3.22E-05	2.83E-06	9.85E-07	5.64E-06	6.73E-07	8.95E-07	2.95E-06	2.04E-07
6990	468882.59	3819923.15	0.000010198	4.28E-05	3.86E-06	8.49E-06	3.15E-05	2.77E-06	9.63E-07	5.51E-06	6.58E-07	8.75E-07	2.89E-06	1.99E-07
6991	468879.06	3819914.16	9.9675E-06	4.19E-05	3.77E-06	8.30E-06	3.08E-05	2.71E-06	9.41E-07	5.39E-06	6.43E-07	8.56E-07	2.82E-06	1.94E-07
6992	468875.53	3819905.18	9.7414E-06	4.09E-05	3.68E-06	8.11E-06	3.01E-05	2.64E-06	9.20E-07	5.27E-06	6.28E-07	8.36E-07	2.76E-06	1.90E-07
6993	468872	3819896.19	9.5153E-06	4.00E-05	3.60E-06	7.93E-06	2.94E-05	2.58E-06	8.99E-07	5.14E-06	6.14E-07	8.17E-07	2.69E-06	1.86E-07
6994	468868.47	3819887.21	0.000009294	3.90E-05	3.51E-06	7.74E-06	2.87E-05	2.52E-06	8.78E-07	5.02E-06	5.99E-07	7.98E-07	2.63E-06	1.81E-07
6995	468864.94	3819878.22	9.0775E-06	3.81E-05	3.43E-06	7.56E-06	2.80E-05	2.46E-06	8.57E-07	4.91E-06	5.86E-07	7.79E-07	2.57E-06	1.77E-07
6996	468861.41	3819869.24	8.8611E-06	3.72E-05	3.35E-06	7.38E-06	2.73E-05	2.41E-06	8.37E-07	4.79E-06	5.72E-07	7.61E-07	2.51E-06	1.73E-07
6997	468857.88	3819860.25	8.6494E-06	3.63E-05	3.27E-06	7.20E-06	2.67E-05	2.35E-06	8.17E-07	4.68E-06	5.58E-07	7.43E-07	2.45E-06	1.69E-07
6998	468854.36	3819851.27	8.4425E-06	3.55E-05	3.19E-06	7.03E-06	2.61E-05	2.29E-06	7.97E-07	4.56E-06	5.45E-07	7.25E-07	2.39E-06	1.65E-07
6999	468850.83	3819842.28	8.2309E-06	3.46E-05	3.11E-06	6.86E-06	2.54E-05	2.23E-06	7.77E-07	4.45E-06	5.31E-07	7.07E-07	2.33E-06	1.61E-07
7000	468847.3	3819833.3	0.000008024	3.37E-05	3.03E-06	6.68E-06	2.48E-05	2.18E-06	7.58E-07	4.34E-06	5.18E-07	6.89E-07	2.27E-06	1.57E-07
7001	468843.77	3819824.31	7.8268E-06	3.29E-05	2.96E-06	6.52E-06	2.42E-05	2.12E-06	7.39E-07	4.23E-06	5.05E-07	6.72E-07	2.22E-06	1.53E-07
7002	468840.24	3819815.33	7.6344E-06	3.21E-05	2.89E-06	6.36E-06	2.36E-05	2.07E-06	7.21E-07	4.13E-06	4.92E-07	6.55E-07	2.16E-06	1.49E-07
7003	468836.71	3819806.34	7.4468E-06	3.13E-05	2.82E-06	6.20E-06	2.30E-05	2.02E-06	7.03E-07	4.03E-06	4.80E-07	6.39E-07	2.11E-06	1.45E-07
7004	468833.18	3819797.35	0.000007264	3.05E-05	2.75E-06	6.05E-06	2.24E-05	1.97E-06	6.86E-07	3.93E-06	4.69E-07	6.24E-07	2.06E-06	1.42E-07
7005	468829.66	3819788.37	0.000007086	2.98E-05	2.68E-06	5.90E-06	2.19E-05	1.92E-06	6.69E-07	3.83E-06	4.57E-07	6.08E-07	2.01E-06	1.38E-07

7006	468826.13	3819779.38	6.9128E-06	2.90E-05	2.61E-06	5.76E-06	2.13E-05	1.88E-06	6.53E-07	3.74E-06	4.46E-07	5.93E-07	1.96E-06	1.35E-07
7007	468822.6	3819770.4	6.7444E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
7008	468819.07	3819761.41	0.000006576	2.76E-05	2.49E-06	5.48E-06	2.03E-05	1.79E-06	6.21E-07	3.55E-06	4.24E-07	5.65E-07	1.86E-06	1.28E-07
7009	468815.54	3819752.43	6.4125E-06	2.69E-05	2.43E-06	5.34E-06	1.98E-05	1.74E-06	6.06E-07	3.47E-06	4.14E-07	5.50E-07	1.82E-06	1.25E-07
7010	468812.01	3819743.44	6.2537E-06	2.63E-05	2.37E-06	5.21E-06	1.93E-05	1.70E-06	5.91E-07	3.38E-06	4.03E-07	5.37E-07	1.77E-06	1.22E-07
7011	468808.48	3819734.46	6.0998E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.66E-06	5.76E-07	3.30E-06	3.93E-07	5.24E-07	1.73E-06	1.19E-07
7012	468804.96	3819725.47	5.9507E-06	2.50E-05	2.25E-06	4.96E-06	1.84E-05	1.62E-06	5.62E-07	3.22E-06	3.84E-07	5.11E-07	1.68E-06	1.16E-07
7013	468801.43	3819716.49	5.8063E-06	2.44E-05	2.20E-06	4.84E-06	1.79E-05	1.58E-06	5.48E-07	3.14E-06	3.75E-07	4.98E-07	1.64E-06	1.13E-07
7014	468797.9	3819707.5	5.6668E-06	2.38E-05	2.14E-06	4.72E-06	1.75E-05	1.54E-06	5.35E-07	3.06E-06	3.66E-07	4.86E-07	1.60E-06	1.11E-07
7015	468794.37	3819698.52	5.5321E-06	2.32E-05	2.09E-06	4.61E-06	1.71E-05	1.50E-06	5.22E-07	2.99E-06	3.57E-07	4.75E-07	1.57E-06	1.08E-07
7016	468790.84	3819689.53	5.4023E-06	2.27E-05	2.04E-06	4.50E-06	1.67E-05	1.47E-06	5.10E-07	2.92E-06	3.48E-07	4.64E-07	1.53E-06	1.05E-07
7017	468787.31	3819680.55	5.2724E-06	2.21E-05	1.99E-06	4.39E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
7018	468783.78	3819671.56	5.1521E-06	2.16E-05	1.95E-06	4.29E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.32E-07	4.42E-07	1.46E-06	1.01E-07
7019	468780.26	3819662.58	5.0318E-06	2.11E-05	1.90E-06	4.19E-06	1.55E-05	1.37E-06	4.75E-07	2.72E-06	3.25E-07	4.32E-07	1.42E-06	9.82E-08
7020	468776.73	3819653.59	4.9164E-06	2.06E-05	1.86E-06	4.10E-06	1.52E-05	1.33E-06	4.64E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.59E-08
7021	468773.2	3819644.61	4.8058E-06	2.02E-05	1.82E-06	4.00E-06	1.48E-05	1.30E-06	4.54E-07	2.60E-06	3.10E-07	4.13E-07	1.36E-06	9.38E-08
7022	468769.67	3819635.62	4.6999E-06	1.97E-05	1.78E-06	3.91E-06	1.45E-05	1.28E-06	4.44E-07	2.54E-06	3.03E-07	4.03E-07	1.33E-06	9.17E-08
7023	468766.14	3819626.63	4.5941E-06	1.93E-05	1.74E-06	3.83E-06	1.42E-05	1.25E-06	4.34E-07	2.48E-06	2.96E-07	3.94E-07	1.30E-06	8.96E-08
7024	468762.61	3819617.65	4.4979E-06	1.89E-05	1.70E-06	3.75E-06	1.39E-05	1.22E-06	4.25E-07	2.43E-06	2.90E-07	3.86E-07	1.27E-06	8.78E-08
7025	468759.08	3819608.66	4.0409E-06	1.70E-05	1.53E-06	3.37E-06	1.25E-05	1.10E-06	3.82E-07	2.18E-06	2.61E-07	3.47E-07	1.14E-06	7.88E-08
7026	468755.56	3819599.68	3.9591E-06	1.66E-05	1.50E-06	3.30E-06	1.22E-05	1.07E-06	3.74E-07	2.14E-06	2.55E-07	3.40E-07	1.12E-06	7.73E-08
7027	468752.03	3819590.69	3.8773E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.57E-08
7028	468748.5	3819581.71	3.7955E-06	1.59E-05	1.44E-06	3.16E-06	1.17E-05	1.03E-06	3.58E-07	2.05E-06	2.45E-07	3.26E-07	1.07E-06	7.41E-08
7029	468744.97	3819572.72	3.7186E-06	1.56E-05	1.41E-06	3.10E-06	1.15E-05	1.01E-06	3.51E-07	2.01E-06	2.40E-07	3.19E-07	1.05E-06	7.26E-08
7030	468741.44	3819563.74	3.6512E-06	1.53E-05	1.38E-06	3.04E-06	1.13E-05	9.91E-07	3.45E-07	1.97E-06	2.36E-07	3.13E-07	1.03E-06	7.12E-08
7031	468737.91	3819554.75	3.5935E-06	1.51E-05	1.36E-06	2.99E-06	1.11E-05	9.75E-07	3.39E-07	1.94E-06	2.32E-07	3.08E-07	1.02E-06	7.01E-08
7032	468734.38	3819545.77	0.000003531	1.48E-05	1.34E-06	2.94E-06	1.09E-05	9.59E-07	3.33E-07	1.91E-06	2.28E-07	3.03E-07	9.99E-07	6.89E-08
7033	468730.86	3819536.78	3.4732E-06	1.46E-05	1.31E-06	2.89E-06	1.07E-05	9.43E-07	3.28E-07	1.88E-06	2.24E-07	2.98E-07	9.83E-07	6.78E-08
7034	468727.33	3819527.8	3.4203E-06	1.44E-05	1.29E-06	2.85E-06	1.06E-05	9.28E-07	3.23E-07	1.85E-06	2.21E-07	2.94E-07	9.68E-07	6.67E-08
7035	468723.8	3819518.81	3.3866E-06	1.42E-05	1.28E-06	2.82E-06	1.05E-05	9.19E-07	3.20E-07	1.83E-06	2.18E-07	2.91E-07	9.59E-07	6.61E-08
7036	468720.27	3819509.83	0.000003353	1.41E-05	1.27E-06	2.79E-06	1.03E-05	9.10E-07	3.17E-07	1.81E-06	2.16E-07	2.88E-07	9.49E-07	6.54E-08
7037	468716.74	3819500.84	3.3241E-06	1.40E-05	1.26E-06	2.77E-06	1.03E-05	9.02E-07	3.14E-07	1.80E-06	2.14E-07	2.85E-07	9.41E-07	6.49E-08
7038	468713.21	3819491.86	3.2904E-06	1.38E-05	1.24E-06	2.74E-06	1.02E-05	8.93E-07	3.11E-07	1.78E-06	2.12E-07	2.82E-07	9.31E-07	6.42E-08
7039	468709.68	3819482.87	3.2616E-06	1.37E-05	1.23E-06	2.72E-06	1.01E-05	8.85E-07	3.08E-07	1.76E-06	2.10E-07	2.80E-07	9.23E-07	6.36E-08
7040	468706.16	3819473.89	3.2327E-06	1.36E-05	1.22E-06	2.69E-06	9.98E-06	8.78E-07	3.05E-07	1.75E-06	2.09E-07	2.78E-07	9.15E-07	6.31E-08
7041	468702.63	3819464.9	3.2038E-06	1.35E-05	1.21E-06	2.67E-06	9.89E-06	8.70E-07	3.03E-07	1.73E-06	2.07E-07	2.75E-07	9.07E-07	6.25E-08
7042	468699.1	3819455.91	3.1798E-06	1.34E-05	1.20E-06	2.65E-06	9.81E-06	8.63E-07	3.00E-07	1.72E-06	2.05E-07	2.73E-07	9.00E-07	6.20E-08
7043	468695.57	3819446.93	3.1605E-06	1.33E-05	1.20E-06	2.63E-06	9.75E-06	8.58E-07	2.98E-07	1.71E-06	2.04E-07	2.71E-07	8.95E-07	6.17E-08
7044	468692.04	3819437.94	3.1365E-06	1.32E-05	1.19E-06	2.61E-06	9.68E-06	8.51E-07	2.96E-07	1.70E-06	2.02E-07	2.69E-07	8.88E-07	6.12E-08
7045	468688.51	3819428.96	3.1172E-06	1.31E-05	1.18E-06	2.60E-06	9.62E-06	8.46E-07	2.94E-07	1.69E-06	2.01E-07	2.68E-07	8.82E-07	6.08E-08
7046	470084.93	3820868.26	0.00003493	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.48E-06	3.30E-06	1.89E-05	2.25E-06	3.00E-06	9.89E-06	6.82E-07
7047	470094.63	3820868.4	0.000034703	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.42E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.82E-06	6.77E-07
7048	470104.33	3820868.53	0.000034468	1.45E-04	1.30E-05	2.87E-05	1.06E-04	9.36E-06	3.25E-06	1.86E-05	2.22E-06	2.96E-06	9.76E-06	6.73E-07

7049	470114.03	3820868.67	0.000034222	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.29E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.69E-06	6.68E-07
7050	470123.72	3820868.8	0.000033977	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.22E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.62E-06	6.63E-07
7051	470133.42	3820868.94	0.000033727	1.42E-04	1.28E-05	2.81E-05	1.04E-04	9.16E-06	3.18E-06	1.82E-05	2.18E-06	2.90E-06	9.55E-06	6.58E-07
7052	470143.12	3820869.07	0.000033467	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.47E-06	6.53E-07
7053	470152.81	3820869.21	0.000033212	1.39E-04	1.26E-05	2.77E-05	1.02E-04	9.02E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
7054	470162.51	3820869.34	0.000032948	1.38E-04	1.25E-05	2.74E-05	1.02E-04	8.94E-06	3.11E-06	1.78E-05	2.13E-06	2.83E-06	9.33E-06	6.43E-07
7055	470172.21	3820869.48	0.000032683	1.37E-04	1.24E-05	2.72E-05	1.01E-04	8.87E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.25E-06	6.38E-07
7056	470181.91	3820869.61	0.000032409	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.17E-06	6.32E-07
7057	470191.6	3820869.75	0.000032135	1.35E-04	1.22E-05	2.68E-05	9.92E-05	8.72E-06	3.03E-06	1.74E-05	2.07E-06	2.76E-06	9.10E-06	6.27E-07
7058	470201.3	3820869.88	0.000031856	1.34E-04	1.20E-05	2.65E-05	9.83E-05	8.65E-06	3.01E-06	1.72E-05	2.05E-06	2.73E-06	9.02E-06	6.22E-07
7059	470211	3820870.02	0.000031581	1.33E-04	1.19E-05	2.63E-05	9.75E-05	8.57E-06	2.98E-06	1.71E-05	2.04E-06	2.71E-06	8.94E-06	6.16E-07
7060	470220.69	3820870.15	0.000031307	1.31E-04	1.18E-05	2.61E-05	9.66E-05	8.50E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.86E-06	6.11E-07
7061	470230.39	3820870.29	0.000031038	1.30E-04	1.17E-05	2.59E-05	9.58E-05	8.43E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.79E-06	6.06E-07
7062	470240.09	3820870.42	0.000030773	1.29E-04	1.16E-05	2.56E-05	9.50E-05	8.35E-06	2.91E-06	1.66E-05	1.98E-06	2.64E-06	8.71E-06	6.00E-07
7063	470249.79	3820870.56	0.000030504	1.28E-04	1.15E-05	2.54E-05	9.41E-05	8.28E-06	2.88E-06	1.65E-05	1.97E-06	2.62E-06	8.63E-06	5.95E-07
7064	470259.48	3820870.69	0.000030244	1.27E-04	1.14E-05	2.52E-05	9.33E-05	8.21E-06	2.86E-06	1.63E-05	1.95E-06	2.60E-06	8.56E-06	5.90E-07
7065	470074.93	3820944.41	0.000032226	1.35E-04	1.22E-05	2.68E-05	9.94E-05	8.75E-06	3.04E-06	1.74E-05	2.08E-06	2.77E-06	9.12E-06	6.29E-07
7066	470066.04	3820940.57	0.000032524	1.37E-04	1.23E-05	2.71E-05	1.00E-04	8.83E-06	3.07E-06	1.76E-05	2.10E-06	2.79E-06	9.21E-06	6.35E-07
7067	470057.16	3820936.72	0.000032822	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.91E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.40E-07
7068	470048.27	3820932.88	0.000033111	1.39E-04	1.25E-05	2.76E-05	1.02E-04	8.99E-06	3.13E-06	1.79E-05	2.14E-06	2.84E-06	9.37E-06	6.46E-07
7069	470039.38	3820929.04	0.00003339	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.06E-06	3.15E-06	1.81E-05	2.15E-06	2.87E-06	9.45E-06	6.52E-07
7070	470030.49	3820925.2	0.000033664	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.14E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.53E-06	6.57E-07
7071	470021.61	3820921.35	0.000033929	1.42E-04	1.28E-05	2.83E-05	1.05E-04	9.21E-06	3.20E-06	1.83E-05	2.19E-06	2.91E-06	9.60E-06	6.62E-07
7072	469994.94	3820909.82	0.000034675	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.41E-06	3.27E-06	1.87E-05	2.24E-06	2.98E-06	9.82E-06	6.77E-07
7073	469986.06	3820905.98	0.000034891	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.47E-06	3.29E-06	1.89E-05	2.25E-06	3.00E-06	9.88E-06	6.81E-07
7074	469977.17	3820902.14	0.000035088	1.47E-04	1.33E-05	2.92E-05	1.08E-04	9.53E-06	3.31E-06	1.90E-05	2.26E-06	3.01E-06	9.93E-06	6.85E-07
7075	469968.28	3820898.29	0.000035271	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.57E-06	3.33E-06	1.91E-05	2.27E-06	3.03E-06	9.98E-06	6.88E-07
7076	469959.39	3820894.45	0.000035439	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.62E-06	3.35E-06	1.92E-05	2.29E-06	3.04E-06	1.00E-05	6.92E-07
7077	469950.51	3820890.61	0.000035613	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.67E-06	3.36E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.95E-07
7078	469941.62	3820886.76	0.000035767	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.71E-06	3.38E-06	1.93E-05	2.31E-06	3.07E-06	1.01E-05	6.98E-07
7079	469932.73	3820882.92	0.000035906	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.75E-06	3.39E-06	1.94E-05	2.32E-06	3.08E-06	1.02E-05	7.01E-07
7080	469923.84	3820879.08	0.000036022	1.51E-04	1.36E-05	3.00E-05	1.11E-04	9.78E-06	3.40E-06	1.95E-05	2.32E-06	3.09E-06	1.02E-05	7.03E-07
7081	469914.96	3820875.23	0.000036127	1.52E-04	1.37E-05	3.01E-05	1.11E-04	9.81E-06	3.41E-06	1.95E-05	2.33E-06	3.10E-06	1.02E-05	7.05E-07
7082	469906.07	3820871.39	0.000036214	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.83E-06	3.42E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.07E-07
7083	469897.18	3820867.55	0.000036281	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.85E-06	3.43E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.08E-07
7084	469888.29	3820863.7	0.000036329	1.53E-04	1.37E-05	3.03E-05	1.12E-04	9.86E-06	3.43E-06	1.96E-05	2.34E-06	3.12E-06	1.03E-05	7.09E-07
7085	469879.4	3820859.86	0.000036358	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.87E-06	3.43E-06	1.97E-05	2.35E-06	3.12E-06	1.03E-05	7.09E-07
7086	469870.52	3820856.02	0.000036377	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.88E-06	3.44E-06	1.97E-05	2.35E-06	3.12E-06	1.03E-05	7.10E-07
7087	469861.63	3820852.17	0.000036373	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.87E-06	3.43E-06	1.97E-05	2.35E-06	3.12E-06	1.03E-05	7.10E-07
7088	469852.74	3820848.33	0.000036358	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.87E-06	3.43E-06	1.97E-05	2.35E-06	3.12E-06	1.03E-05	7.09E-07
7089	469781.64	3820817.58	0.000035728	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.70E-06	3.37E-06	1.93E-05	2.30E-06	3.07E-06	1.01E-05	6.97E-07
7090	469772.75	3820813.74	0.000035589	1.49E-04	1.35E-05	2.96E-05	1.10E-04	9.66E-06	3.36E-06	1.92E-05	2.30E-06	3.06E-06	1.01E-05	6.94E-07
7091	469763.87	3820809.9	0.000035439	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.62E-06	3.35E-06	1.92E-05	2.29E-06	3.04E-06	1.00E-05	6.92E-07

7092	469754.98	3820806.05	0.000035271	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.57E-06	3.33E-06	1.91E-05	2.27E-06	3.03E-06	9.98E-06	6.88E-07
7093	469746.09	3820802.21	0.000035098	1.47E-04	1.33E-05	2.92E-05	1.08E-04	9.53E-06	3.31E-06	1.90E-05	2.26E-06	3.01E-06	9.93E-06	6.85E-07
7094	469737.2	3820798.37	0.00003491	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.48E-06	3.30E-06	1.89E-05	2.25E-06	3.00E-06	9.88E-06	6.81E-07
7095	469728.32	3820794.52	0.000034718	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.42E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.77E-07
7096	469719.43	3820790.68	0.000034511	1.45E-04	1.31E-05	2.87E-05	1.06E-04	9.37E-06	3.26E-06	1.87E-05	2.23E-06	2.96E-06	9.77E-06	6.73E-07
7097	469710.54	3820786.84	0.000034299	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.31E-06	3.24E-06	1.85E-05	2.21E-06	2.94E-06	9.71E-06	6.69E-07
7098	469701.65	3820783	0.000034083	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.65E-06	6.65E-07
7099	469657.21	3820763.78	0.000032885	1.38E-04	1.24E-05	2.74E-05	1.01E-04	8.93E-06	3.11E-06	1.78E-05	2.12E-06	2.82E-06	9.31E-06	6.42E-07
7100	469648.33	3820759.94	0.00003263	1.37E-04	1.23E-05	2.72E-05	1.01E-04	8.86E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.24E-06	6.37E-07
7101	469639.44	3820756.09	0.000032375	1.36E-04	1.22E-05	2.70E-05	9.99E-05	8.79E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.16E-06	6.32E-07
7102	469630.55	3820752.25	0.000032115	1.35E-04	1.21E-05	2.68E-05	9.91E-05	8.72E-06	3.03E-06	1.74E-05	2.07E-06	2.76E-06	9.09E-06	6.27E-07
7103	469621.66	3820748.41	0.00003186	1.34E-04	1.20E-05	2.65E-05	9.83E-05	8.65E-06	3.01E-06	1.72E-05	2.05E-06	2.74E-06	9.02E-06	6.22E-07
7104	469612.78	3820744.56	0.00003161	1.33E-04	1.20E-05	2.63E-05	9.75E-05	8.58E-06	2.98E-06	1.71E-05	2.04E-06	2.71E-06	8.95E-06	6.17E-07
7105	469603.89	3820740.72	0.000031365	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.51E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
7106	469595	3820736.88	0.000031115	1.31E-04	1.18E-05	2.59E-05	9.60E-05	8.45E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.81E-06	6.07E-07
7107	469586.11	3820733.03	0.000030869	1.30E-04	1.17E-05	2.57E-05	9.53E-05	8.38E-06	2.92E-06	1.67E-05	1.99E-06	2.65E-06	8.74E-06	6.02E-07
7108	469577.23	3820729.19	0.000030619	1.29E-04	1.16E-05	2.55E-05	9.45E-05	8.31E-06	2.89E-06	1.66E-05	1.97E-06	2.63E-06	8.67E-06	5.97E-07
7109	469568.34	3820725.35	0.000030369	1.28E-04	1.15E-05	2.53E-05	9.37E-05	8.24E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.60E-06	5.93E-07
7110	469559.45	3820721.5	0.000030129	1.27E-04	1.14E-05	2.51E-05	9.30E-05	8.18E-06	2.85E-06	1.63E-05	1.94E-06	2.59E-06	8.53E-06	5.88E-07
7111	469550.56	3820717.66	0.000029893	1.26E-04	1.13E-05	2.49E-05	9.22E-05	8.11E-06	2.82E-06	1.62E-05	1.93E-06	2.57E-06	8.46E-06	5.83E-07
7112	469541.68	3820713.82	0.000029657	1.25E-04	1.12E-05	2.47E-05	9.15E-05	8.05E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.40E-06	5.79E-07
7113	469532.79	3820709.97	0.000029426	1.24E-04	1.11E-05	2.45E-05	9.08E-05	7.99E-06	2.78E-06	1.59E-05	1.90E-06	2.53E-06	8.33E-06	5.74E-07
7114	469523.9	3820706.13	0.000029195	1.23E-04	1.10E-05	2.43E-05	9.01E-05	7.93E-06	2.76E-06	1.58E-05	1.88E-06	2.51E-06	8.26E-06	5.70E-07
7115	469515.01	3820702.29	0.000028974	1.22E-04	1.10E-05	2.41E-05	8.94E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.20E-06	5.65E-07
7116	469506.12	3820698.44	0.000028753	1.21E-04	1.09E-05	2.39E-05	8.87E-05	7.81E-06	2.72E-06	1.55E-05	1.85E-06	2.47E-06	8.14E-06	5.61E-07
7117	469497.24	3820694.6	0.000028541	1.20E-04	1.08E-05	2.38E-05	8.81E-05	7.75E-06	2.70E-06	1.54E-05	1.84E-06	2.45E-06	8.08E-06	5.57E-07
7118	469488.35	3820690.76	0.000028329	1.19E-04	1.07E-05	2.36E-05	8.74E-05	7.69E-06	2.68E-06	1.53E-05	1.83E-06	2.43E-06	8.02E-06	5.53E-07
7119	469479.46	3820686.91	0.000028123	1.18E-04	1.06E-05	2.34E-05	8.68E-05	7.63E-06	2.66E-06	1.52E-05	1.81E-06	2.41E-06	7.96E-06	5.49E-07
7120	469355.04	3820633.11	0.000025684	1.08E-04	9.71E-06	2.14E-05	7.93E-05	6.97E-06	2.43E-06	1.39E-05	1.66E-06	2.20E-06	7.27E-06	5.01E-07
7121	469346.15	3820629.27	0.000025539	1.07E-04	9.66E-06	2.13E-05	7.88E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.23E-06	4.98E-07
7122	469337.26	3820625.42	0.00002539	1.07E-04	9.60E-06	2.11E-05	7.84E-05	6.89E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.19E-06	4.95E-07
7123	469328.37	3820621.58	0.000025246	1.06E-04	9.55E-06	2.10E-05	7.79E-05	6.85E-06	2.38E-06	1.36E-05	1.63E-06	2.17E-06	7.15E-06	4.93E-07
7124	469319.48	3820617.74	0.000025102	1.05E-04	9.49E-06	2.09E-05	7.75E-05	6.81E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.90E-07
7125	469310.6	3820613.89	0.000024957	1.05E-04	9.44E-06	2.08E-05	7.70E-05	6.77E-06	2.36E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.87E-07
7126	469301.71	3820610.05	0.000024813	1.04E-04	9.38E-06	2.07E-05	7.66E-05	6.74E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.02E-06	4.84E-07
7127	469292.82	3820606.21	0.000024669	1.04E-04	9.33E-06	2.05E-05	7.61E-05	6.70E-06	2.33E-06	1.33E-05	1.59E-06	2.12E-06	6.98E-06	4.81E-07
7128	469283.93	3820602.36	0.000024524	1.03E-04	9.27E-06	2.04E-05	7.57E-05	6.66E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.94E-06	4.79E-07
7129	469275.05	3820598.52	0.00002438	1.02E-04	9.22E-06	2.03E-05	7.52E-05	6.62E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.90E-06	4.76E-07
7130	469266.16	3820594.68	0.000024236	1.02E-04	9.17E-06	2.02E-05	7.48E-05	6.58E-06	2.29E-06	1.31E-05	1.56E-06	2.08E-06	6.86E-06	4.73E-07
7131	469257.27	3820590.83	0.000024091	1.01E-04	9.11E-06	2.01E-05	7.43E-05	6.54E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.82E-06	4.70E-07
7132	469248.38	3820586.99	0.000023947	1.01E-04	9.06E-06	1.99E-05	7.39E-05	6.50E-06	2.26E-06	1.29E-05	1.54E-06	2.06E-06	6.78E-06	4.67E-07
7133	469239.5	3820583.15	0.000023803	1.00E-04	9.00E-06	1.98E-05	7.35E-05	6.46E-06	2.25E-06	1.29E-05	1.54E-06	2.04E-06	6.74E-06	4.64E-07
7134	469230.61	3820579.3	0.000023654	9.93E-05	8.95E-06	1.97E-05	7.30E-05	6.42E-06	2.23E-06	1.28E-05	1.53E-06	2.03E-06	6.70E-06	4.62E-07

7135	469221.72	3820575.46	0.000023504	9.87E-05	8.89E-06	1.96E-05	7.25E-05	6.38E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.65E-06	4.59E-07
7136	469212.83	3820571.62	0.00002335	9.81E-05	8.83E-06	1.94E-05	7.21E-05	6.34E-06	2.20E-06	1.26E-05	1.51E-06	2.00E-06	6.61E-06	4.56E-07
7137	469203.95	3820567.77	0.000023197	9.74E-05	8.77E-06	1.93E-05	7.16E-05	6.30E-06	2.19E-06	1.25E-05	1.50E-06	1.99E-06	6.57E-06	4.53E-07
7138	469195.06	3820563.93	0.000023043	9.68E-05	8.71E-06	1.92E-05	7.11E-05	6.26E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.52E-06	4.50E-07
7139	469186.17	3820560.09	0.000022884	9.61E-05	8.65E-06	1.91E-05	7.06E-05	6.21E-06	2.16E-06	1.24E-05	1.48E-06	1.96E-06	6.48E-06	4.47E-07
7140	469177.28	3820556.24	0.000022725	9.54E-05	8.59E-06	1.89E-05	7.01E-05	6.17E-06	2.15E-06	1.23E-05	1.47E-06	1.95E-06	6.43E-06	4.43E-07
7141	469168.4	3820552.4	0.000022562	9.47E-05	8.53E-06	1.88E-05	6.96E-05	6.12E-06	2.13E-06	1.22E-05	1.46E-06	1.94E-06	6.39E-06	4.40E-07
7142	469159.51	3820548.56	0.000022393	9.40E-05	8.47E-06	1.87E-05	6.91E-05	6.08E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.34E-06	4.37E-07
7143	469150.62	3820544.71	0.000022225	9.33E-05	8.41E-06	1.85E-05	6.86E-05	6.03E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.29E-06	4.34E-07
7144	469141.73	3820540.87	0.000022052	9.26E-05	8.34E-06	1.84E-05	6.80E-05	5.99E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.24E-06	4.30E-07
7145	469132.85	3820537.03	0.000021878	9.19E-05	8.27E-06	1.82E-05	6.75E-05	5.94E-06	2.07E-06	1.18E-05	1.41E-06	1.88E-06	6.19E-06	4.27E-07
7146	469123.96	3820533.18	0.0000217	9.11E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.23E-07
7147	469115.07	3820529.34	0.000021522	9.04E-05	8.14E-06	1.79E-05	6.64E-05	5.84E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.09E-06	4.20E-07
7148	469106.18	3820525.5	0.00002134	8.96E-05	8.07E-06	1.78E-05	6.59E-05	5.79E-06	2.02E-06	1.15E-05	1.38E-06	1.83E-06	6.04E-06	4.16E-07
7149	469097.29	3820521.65	0.000021152	8.88E-05	8.00E-06	1.76E-05	6.53E-05	5.74E-06	2.00E-06	1.14E-05	1.36E-06	1.82E-06	5.99E-06	4.13E-07
7150	469088.41	3820517.81	0.000020964	8.80E-05	7.93E-06	1.75E-05	6.47E-05	5.69E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
7151	469079.52	3820513.97	0.000020772	8.72E-05	7.86E-06	1.73E-05	6.41E-05	5.64E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.88E-06	4.05E-07
7152	469070.63	3820510.12	0.000020575	8.64E-05	7.78E-06	1.71E-05	6.35E-05	5.59E-06	1.94E-06	1.11E-05	1.33E-06	1.77E-06	5.82E-06	4.01E-07
7153	469061.74	3820506.28	0.000020378	8.56E-05	7.71E-06	1.70E-05	6.29E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.77E-06	3.98E-07
7154	469052.86	3820502.44	0.00002018	8.47E-05	7.63E-06	1.68E-05	6.23E-05	5.48E-06	1.91E-06	1.09E-05	1.30E-06	1.73E-06	5.71E-06	3.94E-07
7155	469043.97	3820498.6	0.000019973	8.39E-05	7.55E-06	1.66E-05	6.16E-05	5.42E-06	1.89E-06	1.08E-05	1.29E-06	1.71E-06	5.65E-06	3.90E-07
7156	469035.08	3820494.75	0.000019771	8.30E-05	7.48E-06	1.65E-05	6.10E-05	5.37E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.60E-06	3.86E-07
7157	469022.65	3820481.9	0.000019502	8.19E-05	7.38E-06	1.62E-05	6.02E-05	5.29E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.52E-06	3.81E-07
7158	469019.11	3820472.88	0.000019439	8.16E-05	7.35E-06	1.62E-05	6.00E-05	5.28E-06	1.84E-06	1.05E-05	1.25E-06	1.67E-06	5.50E-06	3.79E-07
7159	469015.58	3820463.87	0.000019367	8.13E-05	7.32E-06	1.61E-05	5.98E-05	5.26E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.48E-06	3.78E-07
7160	469012.04	3820454.86	0.00001929	8.10E-05	7.30E-06	1.61E-05	5.95E-05	5.24E-06	1.82E-06	1.04E-05	1.24E-06	1.66E-06	5.46E-06	3.76E-07
7161	469008.5	3820445.84	0.000019209	8.07E-05	7.26E-06	1.60E-05	5.93E-05	5.21E-06	1.81E-06	1.04E-05	1.24E-06	1.65E-06	5.44E-06	3.75E-07
7162	469004.96	3820436.83	0.000019122	8.03E-05	7.23E-06	1.59E-05	5.90E-05	5.19E-06	1.81E-06	1.03E-05	1.23E-06	1.64E-06	5.41E-06	3.73E-07
7163	469001.42	3820427.82	0.000019031	7.99E-05	7.20E-06	1.59E-05	5.87E-05	5.17E-06	1.80E-06	1.03E-05	1.23E-06	1.63E-06	5.39E-06	3.71E-07
7164	468997.88	3820418.81	0.000018934	7.95E-05	7.16E-06	1.58E-05	5.84E-05	5.14E-06	1.79E-06	1.02E-05	1.22E-06	1.63E-06	5.36E-06	3.69E-07
7165	468994.34	3820409.79	0.000018833	7.91E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.62E-06	5.33E-06	3.67E-07
7166	468990.8	3820400.78	0.000018723	7.86E-05	7.08E-06	1.56E-05	5.78E-05	5.08E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.30E-06	3.65E-07
7167	468987.26	3820391.77	0.000018612	7.82E-05	7.04E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.27E-06	3.63E-07
7168	468983.72	3820382.75	0.000018492	7.77E-05	6.99E-06	1.54E-05	5.71E-05	5.02E-06	1.75E-06	1.00E-05	1.19E-06	1.59E-06	5.23E-06	3.61E-07
7169	468980.18	3820373.74	0.000018372	7.72E-05	6.95E-06	1.53E-05	5.67E-05	4.99E-06	1.73E-06	9.93E-06	1.18E-06	1.58E-06	5.20E-06	3.58E-07
7170	468976.64	3820364.73	0.000018242	7.66E-05	6.90E-06	1.52E-05	5.63E-05	4.95E-06	1.72E-06	9.86E-06	1.18E-06	1.57E-06	5.16E-06	3.56E-07
7171	468973.1	3820355.71	0.000018107	7.60E-05	6.85E-06	1.51E-05	5.59E-05	4.92E-06	1.71E-06	9.79E-06	1.17E-06	1.55E-06	5.13E-06	3.53E-07
7172	468969.56	3820346.7	0.000017967	7.55E-05	6.80E-06	1.50E-05	5.54E-05	4.88E-06	1.70E-06	9.71E-06	1.16E-06	1.54E-06	5.09E-06	3.51E-07
7173	468966.02	3820337.69	0.000017828	7.49E-05	6.74E-06	1.48E-05	5.50E-05	4.84E-06	1.68E-06	9.64E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
7174	468962.48	3820328.68	0.000017679	7.42E-05	6.69E-06	1.47E-05	5.46E-05	4.80E-06	1.67E-06	9.56E-06	1.14E-06	1.52E-06	5.00E-06	3.45E-07
7175	468958.94	3820319.66	0.000017525	7.36E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.65E-06	9.47E-06	1.13E-06	1.50E-06	4.96E-06	3.42E-07
7176	468955.4	3820310.65	0.000017366	7.29E-05	6.57E-06	1.45E-05	5.36E-05	4.71E-06	1.64E-06	9.39E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
7177	468951.87	3820301.64	0.000017207	7.23E-05	6.51E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.30E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07

7178	468948.33	3820292.62	0.000017044	7.16E-05	6.45E-06	1.42E-05	5.26E-05	4.63E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.33E-07
7179	468944.79	3820283.61	0.000016875	7.09E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
7180	468941.25	3820274.6	0.000016702	7.01E-05	6.32E-06	1.39E-05	5.15E-05	4.53E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
7181	468937.71	3820265.59	0.000016524	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.49E-06	1.56E-06	8.93E-06	1.07E-06	1.42E-06	4.68E-06	3.22E-07
7182	468934.17	3820256.57	0.000016346	6.86E-05	6.18E-06	1.36E-05	5.04E-05	4.44E-06	1.54E-06	8.84E-06	1.05E-06	1.40E-06	4.63E-06	3.19E-07
7183	468930.63	3820247.56	0.000016163	6.79E-05	6.11E-06	1.35E-05	4.99E-05	4.39E-06	1.53E-06	8.74E-06	1.04E-06	1.39E-06	4.58E-06	3.15E-07
7184	468927.09	3820238.55	0.000015976	6.71E-05	6.04E-06	1.33E-05	4.93E-05	4.34E-06	1.51E-06	8.64E-06	1.03E-06	1.37E-06	4.52E-06	3.12E-07
7185	468923.55	3820229.53	0.000015783	6.63E-05	5.97E-06	1.31E-05	4.87E-05	4.28E-06	1.49E-06	8.53E-06	1.02E-06	1.35E-06	4.47E-06	3.08E-07
7186	468920.01	3820220.52	0.000015591	6.55E-05	5.90E-06	1.30E-05	4.81E-05	4.23E-06	1.47E-06	8.43E-06	1.01E-06	1.34E-06	4.41E-06	3.04E-07
7187	468916.47	3820211.51	0.000015399	6.47E-05	5.82E-06	1.28E-05	4.75E-05	4.18E-06	1.45E-06	8.32E-06	9.93E-07	1.32E-06	4.36E-06	3.00E-07
7188	468912.93	3820202.5	0.000015197	6.38E-05	5.75E-06	1.27E-05	4.69E-05	4.13E-06	1.44E-06	8.22E-06	9.80E-07	1.30E-06	4.30E-06	2.97E-07
7189	468909.39	3820193.48	0.000014999	6.30E-05	5.67E-06	1.25E-05	4.63E-05	4.07E-06	1.42E-06	8.11E-06	9.67E-07	1.29E-06	4.25E-06	2.93E-07
7190	468905.85	3820184.47	0.000014792	6.21E-05	5.59E-06	1.23E-05	4.56E-05	4.02E-06	1.40E-06	8.00E-06	9.54E-07	1.27E-06	4.19E-06	2.89E-07
7191	468902.31	3820175.46	0.00001459	6.13E-05	5.52E-06	1.22E-05	4.50E-05	3.96E-06	1.38E-06	7.89E-06	9.41E-07	1.25E-06	4.13E-06	2.85E-07
7192	468898.77	3820166.44	0.000014379	6.04E-05	5.44E-06	1.20E-05	4.44E-05	3.90E-06	1.36E-06	7.77E-06	9.27E-07	1.23E-06	4.07E-06	2.81E-07
7193	468895.23	3820157.43	0.000014172	5.95E-05	5.36E-06	1.18E-05	4.37E-05	3.85E-06	1.34E-06	7.66E-06	9.14E-07	1.22E-06	4.01E-06	2.77E-07
7194	468891.7	3820148.42	0.000013955	5.86E-05	5.28E-06	1.16E-05	4.31E-05	3.79E-06	1.32E-06	7.54E-06	9.00E-07	1.20E-06	3.95E-06	2.72E-07
7195	468888.16	3820139.41	0.000013734	5.77E-05	5.19E-06	1.14E-05	4.24E-05	3.73E-06	1.30E-06	7.42E-06	8.86E-07	1.18E-06	3.89E-06	2.68E-07
7196	468884.62	3820130.39	0.000013518	5.68E-05	5.11E-06	1.13E-05	4.17E-05	3.67E-06	1.28E-06	7.31E-06	8.72E-07	1.16E-06	3.83E-06	2.64E-07
7197	468881.08	3820121.38	0.000013306	5.59E-05	5.03E-06	1.11E-05	4.11E-05	3.61E-06	1.26E-06	7.19E-06	8.58E-07	1.14E-06	3.77E-06	2.60E-07
7198	468877.54	3820112.37	0.00001309	5.50E-05	4.95E-06	1.09E-05	4.04E-05	3.55E-06	1.24E-06	7.08E-06	8.44E-07	1.12E-06	3.71E-06	2.55E-07
7199	468874	3820103.35	0.000012868	5.40E-05	4.87E-06	1.07E-05	3.97E-05	3.49E-06	1.22E-06	6.96E-06	8.30E-07	1.10E-06	3.64E-06	2.51E-07
7200	468870.46	3820094.34	0.000012652	5.31E-05	4.78E-06	1.05E-05	3.90E-05	3.43E-06	1.19E-06	6.84E-06	8.16E-07	1.09E-06	3.58E-06	2.47E-07
7201	468866.92	3820085.33	0.000012435	5.22E-05	4.70E-06	1.04E-05	3.84E-05	3.38E-06	1.17E-06	6.72E-06	8.02E-07	1.07E-06	3.52E-06	2.43E-07
7202	468863.38	3820076.31	0.000012219	5.13E-05	4.62E-06	1.02E-05	3.77E-05	3.32E-06	1.15E-06	6.61E-06	7.88E-07	1.05E-06	3.46E-06	2.38E-07
7203	468859.84	3820067.3	0.000011998	5.04E-05	4.54E-06	9.99E-06	3.70E-05	3.26E-06	1.13E-06	6.49E-06	7.74E-07	1.03E-06	3.40E-06	2.34E-07
7204	468856.3	3820058.29	0.000011781	4.95E-05	4.46E-06	9.81E-06	3.64E-05	3.20E-06	1.11E-06	6.37E-06	7.60E-07	1.01E-06	3.33E-06	2.30E-07
7205	468852.76	3820049.28	0.000011565	4.86E-05	4.37E-06	9.63E-06	3.57E-05	3.14E-06	1.09E-06	6.25E-06	7.46E-07	9.93E-07	3.27E-06	2.26E-07
7206	468849.22	3820040.26	0.000011343	4.76E-05	4.29E-06	9.45E-06	3.50E-05	3.08E-06	1.07E-06	6.13E-06	7.32E-07	9.74E-07	3.21E-06	2.21E-07
7207	468845.68	3820031.25	0.000011127	4.67E-05	4.21E-06	9.27E-06	3.43E-05	3.02E-06	1.05E-06	6.02E-06	7.18E-07	9.55E-07	3.15E-06	2.17E-07
7208	468835.06	3820004.21	0.000010468	4.40E-05	3.96E-06	8.72E-06	3.23E-05	2.84E-06	9.89E-07	5.66E-06	6.75E-07	8.99E-07	2.96E-06	2.04E-07
7209	468831.52	3819995.2	0.000010251	4.31E-05	3.88E-06	8.54E-06	3.16E-05	2.78E-06	9.68E-07	5.54E-06	6.61E-07	8.80E-07	2.90E-06	2.00E-07
7210	468827.99	3819986.19	0.000010035	4.21E-05	3.80E-06	8.36E-06	3.10E-05	2.72E-06	9.48E-07	5.42E-06	6.47E-07	8.61E-07	2.84E-06	1.96E-07
7211	468824.45	3819977.17	0.000009828	4.13E-05	3.72E-06	8.19E-06	3.03E-05	2.67E-06	9.28E-07	5.31E-06	6.34E-07	8.44E-07	2.78E-06	1.92E-07
7212	468820.91	3819968.16	9.6163E-06	4.04E-05	3.64E-06	8.01E-06	2.97E-05	2.61E-06	9.08E-07	5.20E-06	6.20E-07	8.26E-07	2.72E-06	1.88E-07
7213	468817.37	3819959.15	9.4143E-06	3.95E-05	3.56E-06	7.84E-06	2.91E-05	2.56E-06	8.89E-07	5.09E-06	6.07E-07	8.08E-07	2.66E-06	1.84E-07
7214	468813.83	3819950.13	9.2074E-06	3.87E-05	3.48E-06	7.67E-06	2.84E-05	2.50E-06	8.69E-07	4.98E-06	5.94E-07	7.90E-07	2.61E-06	1.80E-07
7215	468810.29	3819941.12	9.0054E-06	3.78E-05	3.41E-06	7.50E-06	2.78E-05	2.44E-06	8.50E-07	4.87E-06	5.81E-07	7.73E-07	2.55E-06	1.76E-07
7216	468806.75	3819932.11	8.8081E-06	3.70E-05	3.33E-06	7.34E-06	2.72E-05	2.39E-06	8.32E-07	4.76E-06	5.68E-07	7.56E-07	2.49E-06	1.72E-07
7217	468803.21	3819923.1	8.6109E-06	3.62E-05	3.26E-06	7.17E-06	2.66E-05	2.34E-06	8.13E-07	4.66E-06	5.55E-07	7.39E-07	2.44E-06	1.68E-07
7218	468799.67	3819914.08	8.4185E-06	3.54E-05	3.18E-06	7.01E-06	2.60E-05	2.29E-06	7.95E-07	4.55E-06	5.43E-07	7.23E-07	2.38E-06	1.64E-07
7219	468796.13	3819905.07	8.2261E-06	3.45E-05	3.11E-06	6.85E-06	2.54E-05	2.23E-06	7.77E-07	4.45E-06	5.31E-07	7.06E-07	2.33E-06	1.61E-07
7220	468792.59	3819896.06	8.0385E-06	3.38E-05	3.04E-06	6.70E-06	2.48E-05	2.18E-06	7.59E-07	4.35E-06	5.18E-07	6.90E-07	2.28E-06	1.57E-07

7221	468789.05	3819887.04	7.8556E-06	3.30E-05	2.97E-06	6.54E-06	2.42E-05	2.13E-06	7.42E-07	4.25E-06	5.07E-07	6.74E-07	2.22E-06	1.53E-07
7222	468785.51	3819878.03	0.000007668	3.22E-05	2.90E-06	6.39E-06	2.37E-05	2.08E-06	7.24E-07	4.15E-06	4.95E-07	6.58E-07	2.17E-06	1.50E-07
7223	468781.97	3819869.02	7.4852E-06	3.14E-05	2.83E-06	6.23E-06	2.31E-05	2.03E-06	7.07E-07	4.05E-06	4.83E-07	6.43E-07	2.12E-06	1.46E-07
7224	468778.43	3819860	7.3072E-06	3.07E-05	2.76E-06	6.09E-06	2.25E-05	1.98E-06	6.90E-07	3.95E-06	4.71E-07	6.27E-07	2.07E-06	1.43E-07
7225	468774.89	3819850.99	7.1293E-06	2.99E-05	2.70E-06	5.94E-06	2.20E-05	1.94E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
7226	468771.35	3819841.98	6.9657E-06	2.93E-05	2.63E-06	5.80E-06	2.15E-05	1.89E-06	6.58E-07	3.77E-06	4.49E-07	5.98E-07	1.97E-06	1.36E-07
7227	468767.81	3819832.97	6.7973E-06	2.85E-05	2.57E-06	5.66E-06	2.10E-05	1.85E-06	6.42E-07	3.67E-06	4.38E-07	5.84E-07	1.92E-06	1.33E-07
7228	468764.28	3819823.95	6.6386E-06	2.79E-05	2.51E-06	5.53E-06	2.05E-05	1.80E-06	6.27E-07	3.59E-06	4.28E-07	5.70E-07	1.88E-06	1.30E-07
7229	468760.74	3819814.94	6.4798E-06	2.72E-05	2.45E-06	5.40E-06	2.00E-05	1.76E-06	6.12E-07	3.50E-06	4.18E-07	5.56E-07	1.83E-06	1.26E-07
7230	468757.2	3819805.93	6.3259E-06	2.66E-05	2.39E-06	5.27E-06	1.95E-05	1.72E-06	5.97E-07	3.42E-06	4.08E-07	5.43E-07	1.79E-06	1.23E-07
7231	468753.66	3819796.91	6.1768E-06	2.59E-05	2.34E-06	5.14E-06	1.91E-05	1.68E-06	5.83E-07	3.34E-06	3.98E-07	5.30E-07	1.75E-06	1.21E-07
7232	468750.12	3819787.9	6.0276E-06	2.53E-05	2.28E-06	5.02E-06	1.86E-05	1.64E-06	5.69E-07	3.26E-06	3.89E-07	5.17E-07	1.71E-06	1.18E-07
7233	468746.58	3819778.89	5.8833E-06	2.47E-05	2.23E-06	4.90E-06	1.82E-05	1.60E-06	5.56E-07	3.18E-06	3.79E-07	5.05E-07	1.67E-06	1.15E-07
7234	468743.04	3819769.88	0.000005739	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.42E-07	3.10E-06	3.70E-07	4.93E-07	1.62E-06	1.12E-07
7235	468739.5	3819760.86	5.6043E-06	2.35E-05	2.12E-06	4.67E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.59E-06	1.09E-07
7236	468735.96	3819751.85	5.4744E-06	2.30E-05	2.07E-06	4.56E-06	1.69E-05	1.49E-06	5.17E-07	2.96E-06	3.53E-07	4.70E-07	1.55E-06	1.07E-07
7237	468732.42	3819742.84	5.3445E-06	2.24E-05	2.02E-06	4.45E-06	1.65E-05	1.45E-06	5.05E-07	2.89E-06	3.45E-07	4.59E-07	1.51E-06	1.04E-07
7238	468728.88	3819733.82	5.2195E-06	2.19E-05	1.97E-06	4.35E-06	1.61E-05	1.42E-06	4.93E-07	2.82E-06	3.37E-07	4.48E-07	1.48E-06	1.02E-07
7239	468725.34	3819724.81	0.000005104	2.14E-05	1.93E-06	4.25E-06	1.57E-05	1.39E-06	4.82E-07	2.76E-06	3.29E-07	4.38E-07	1.44E-06	9.96E-08
7240	468721.8	3819715.8	4.9837E-06	2.09E-05	1.88E-06	4.15E-06	1.54E-05	1.35E-06	4.71E-07	2.69E-06	3.21E-07	4.28E-07	1.41E-06	9.72E-08
7241	468718.26	3819706.79	4.8731E-06	2.05E-05	1.84E-06	4.06E-06	1.50E-05	1.32E-06	4.60E-07	2.63E-06	3.14E-07	4.18E-07	1.38E-06	9.51E-08
7242	468714.72	3819697.77	4.7625E-06	2.00E-05	1.80E-06	3.97E-06	1.47E-05	1.29E-06	4.50E-07	2.57E-06	3.07E-07	4.09E-07	1.35E-06	9.29E-08
7243	468711.18	3819688.76	4.6518E-06	1.95E-05	1.76E-06	3.87E-06	1.44E-05	1.26E-06	4.39E-07	2.51E-06	3.00E-07	3.99E-07	1.32E-06	9.08E-08
7244	468707.64	3819679.75	0.000004546	1.91E-05	1.72E-06	3.79E-06	1.40E-05	1.23E-06	4.29E-07	2.46E-06	2.93E-07	3.90E-07	1.29E-06	8.87E-08
7245	468704.1	3819670.73	4.4498E-06	1.87E-05	1.68E-06	3.71E-06	1.37E-05	1.21E-06	4.20E-07	2.41E-06	2.87E-07	3.82E-07	1.26E-06	8.68E-08
7246	468700.57	3819661.72	4.3536E-06	1.83E-05	1.65E-06	3.63E-06	1.34E-05	1.18E-06	4.11E-07	2.35E-06	2.81E-07	3.74E-07	1.23E-06	8.50E-08
7247	468697.03	3819652.71	4.2622E-06	1.79E-05	1.61E-06	3.55E-06	1.32E-05	1.16E-06	4.02E-07	2.30E-06	2.75E-07	3.66E-07	1.21E-06	8.32E-08
7248	468693.49	3819643.69	0.00000381	1.60E-05	1.44E-06	3.17E-06	1.18E-05	1.03E-06	3.60E-07	2.06E-06	2.46E-07	3.27E-07	1.08E-06	7.43E-08
7249	468689.95	3819634.68	3.7138E-06	1.56E-05	1.40E-06	3.09E-06	1.15E-05	1.01E-06	3.51E-07	2.01E-06	2.40E-07	3.19E-07	1.05E-06	7.25E-08
7250	468686.41	3819625.67	3.6224E-06	1.52E-05	1.37E-06	3.02E-06	1.12E-05	9.83E-07	3.42E-07	1.96E-06	2.34E-07	3.11E-07	1.03E-06	7.07E-08
7251	468682.87	3819616.66	3.5406E-06	1.49E-05	1.34E-06	2.95E-06	1.09E-05	9.61E-07	3.34E-07	1.91E-06	2.28E-07	3.04E-07	1.00E-06	6.91E-08
7252	468679.33	3819607.64	0.000003478	1.46E-05	1.32E-06	2.90E-06	1.07E-05	9.44E-07	3.28E-07	1.88E-06	2.24E-07	2.99E-07	9.84E-07	6.79E-08
7253	468675.79	3819598.63	3.4203E-06	1.44E-05	1.29E-06	2.85E-06	1.06E-05	9.28E-07	3.23E-07	1.85E-06	2.21E-07	2.94E-07	9.68E-07	6.67E-08
7254	468672.25	3819589.62	3.3674E-06	1.41E-05	1.27E-06	2.80E-06	1.04E-05	9.14E-07	3.18E-07	1.82E-06	2.17E-07	2.89E-07	9.53E-07	6.57E-08
7255	468668.71	3819580.6	3.3097E-06	1.39E-05	1.25E-06	2.76E-06	1.02E-05	8.98E-07	3.13E-07	1.79E-06	2.13E-07	2.84E-07	9.37E-07	6.46E-08
7256	468665.17	3819571.59	3.2471E-06	1.36E-05	1.23E-06	2.70E-06	1.00E-05	8.81E-07	3.07E-07	1.76E-06	2.09E-07	2.79E-07	9.19E-07	6.34E-08
7257	468661.63	3819562.58	3.1942E-06	1.34E-05	1.21E-06	2.66E-06	9.86E-06	8.67E-07	3.02E-07	1.73E-06	2.06E-07	2.74E-07	9.04E-07	6.23E-08
7258	468658.09	3819553.57	3.1509E-06	1.32E-05	1.19E-06	2.62E-06	9.72E-06	8.55E-07	2.98E-07	1.70E-06	2.03E-07	2.70E-07	8.92E-07	6.15E-08
7259	468654.55	3819544.55	3.1124E-06	1.31E-05	1.18E-06	2.59E-06	9.60E-06	8.45E-07	2.94E-07	1.68E-06	2.01E-07	2.67E-07	8.81E-07	6.07E-08
7260	468651.01	3819535.54	3.0836E-06	1.30E-05	1.17E-06	2.57E-06	9.52E-06	8.37E-07	2.91E-07	1.67E-06	1.99E-07	2.65E-07	8.73E-07	6.02E-08
7261	468647.47	3819526.53	3.0547E-06	1.28E-05	1.16E-06	2.54E-06	9.43E-06	8.29E-07	2.88E-07	1.65E-06	1.97E-07	2.62E-07	8.65E-07	5.96E-08
7262	468643.93	3819517.51	0.000003021	1.27E-05	1.14E-06	2.52E-06	9.32E-06	8.20E-07	2.85E-07	1.63E-06	1.95E-07	2.59E-07	8.55E-07	5.89E-08
7263	468640.39	3819508.5	2.9922E-06	1.26E-05	1.13E-06	2.49E-06	9.23E-06	8.12E-07	2.83E-07	1.62E-06	1.93E-07	2.57E-07	8.47E-07	5.84E-08

7264	468636.86	3819499.49	2.9633E-06	1.24E-05	1.12E-06	2.47E-06	9.14E-06	8.04E-07	2.80E-07	1.60E-06	1.91E-07	2.54E-07	8.39E-07	5.78E-08
7265	468633.32	3819490.48	2.9393E-06	1.23E-05	1.11E-06	2.45E-06	9.07E-06	7.98E-07	2.78E-07	1.59E-06	1.90E-07	2.52E-07	8.32E-07	5.74E-08
7266	468629.78	3819481.46	0.00000292	1.23E-05	1.10E-06	2.43E-06	9.01E-06	7.93E-07	2.76E-07	1.58E-06	1.88E-07	2.51E-07	8.27E-07	5.70E-08
7267	468626.24	3819472.45	2.9008E-06	1.22E-05	1.10E-06	2.42E-06	8.95E-06	7.87E-07	2.74E-07	1.57E-06	1.87E-07	2.49E-07	8.21E-07	5.66E-08
7268	468622.7	3819463.44	2.8863E-06	1.21E-05	1.09E-06	2.40E-06	8.91E-06	7.84E-07	2.73E-07	1.56E-06	1.86E-07	2.48E-07	8.17E-07	5.63E-08
7269	468619.16	3819454.42	2.8719E-06	1.21E-05	1.09E-06	2.39E-06	8.86E-06	7.80E-07	2.71E-07	1.55E-06	1.85E-07	2.47E-07	8.13E-07	5.60E-08
7270	468615.62	3819445.41	2.8575E-06	1.20E-05	1.08E-06	2.38E-06	8.82E-06	7.76E-07	2.70E-07	1.54E-06	1.84E-07	2.45E-07	8.09E-07	5.58E-08
7271	468612.08	3819436.4	0.000002843	1.19E-05	1.08E-06	2.37E-06	8.77E-06	7.72E-07	2.68E-07	1.54E-06	1.83E-07	2.44E-07	8.05E-07	5.55E-08
7272	468608.54	3819427.39	2.8238E-06	1.19E-05	1.07E-06	2.35E-06	8.71E-06	7.67E-07	2.67E-07	1.53E-06	1.82E-07	2.42E-07	7.99E-07	5.51E-08
7273	470083.82	3820948.25	0.000031913	1.34E-04	1.21E-05	2.66E-05	9.85E-05	8.66E-06	3.01E-06	1.73E-05	2.06E-06	2.74E-06	9.03E-06	6.23E-07
7274	470093.52	3820948.39	0.000031711	1.33E-04	1.20E-05	2.64E-05	9.79E-05	8.61E-06	2.99E-06	1.71E-05	2.05E-06	2.72E-06	8.98E-06	6.19E-07
7275	470103.21	3820948.52	0.000031504	1.32E-04	1.19E-05	2.62E-05	9.72E-05	8.55E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.92E-06	6.15E-07
7276	470112.91	3820948.66	0.000031283	1.31E-04	1.18E-05	2.61E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.69E-06	8.85E-06	6.10E-07
7277	470122.61	3820948.79	0.000031062	1.30E-04	1.17E-05	2.59E-05	9.59E-05	8.43E-06	2.93E-06	1.68E-05	2.00E-06	2.67E-06	8.79E-06	6.06E-07
7278	470132.31	3820948.93	0.000030836	1.30E-04	1.17E-05	2.57E-05	9.52E-05	8.37E-06	2.91E-06	1.67E-05	1.99E-06	2.65E-06	8.73E-06	6.02E-07
7279	470142	3820949.06	0.0000306	1.29E-04	1.16E-05	2.55E-05	9.44E-05	8.31E-06	2.89E-06	1.65E-05	1.97E-06	2.63E-06	8.66E-06	5.97E-07
7280	470151.7	3820949.2	0.000030355	1.27E-04	1.15E-05	2.53E-05	9.37E-05	8.24E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.59E-06	5.92E-07
7281	470161.4	3820949.33	0.000030105	1.26E-04	1.14E-05	2.51E-05	9.29E-05	8.17E-06	2.84E-06	1.63E-05	1.94E-06	2.58E-06	8.52E-06	5.87E-07
7282	470171.09	3820949.47	0.000029854	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.93E-06	2.56E-06	8.45E-06	5.83E-07
7283	470180.79	3820949.6	0.000029609	1.24E-04	1.12E-05	2.47E-05	9.14E-05	8.04E-06	2.80E-06	1.60E-05	1.91E-06	2.54E-06	8.38E-06	5.78E-07
7284	470190.49	3820949.74	0.000029373	1.23E-04	1.11E-05	2.45E-05	9.06E-05	7.97E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.31E-06	5.73E-07
7285	470200.19	3820949.87	0.000029128	1.22E-04	1.10E-05	2.43E-05	8.99E-05	7.91E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.24E-06	5.68E-07
7286	470209.88	3820950.01	0.000028883	1.21E-04	1.09E-05	2.41E-05	8.91E-05	7.84E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.18E-06	5.64E-07
7287	470219.58	3820950.14	0.000028637	1.20E-04	1.08E-05	2.39E-05	8.84E-05	7.77E-06	2.70E-06	1.55E-05	1.85E-06	2.46E-06	8.11E-06	5.59E-07
7288	470229.28	3820950.28	0.000028402	1.19E-04	1.07E-05	2.37E-05	8.76E-05	7.71E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.04E-06	5.54E-07
7289	470238.98	3820950.41	0.000028161	1.18E-04	1.07E-05	2.35E-05	8.69E-05	7.64E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.97E-06	5.49E-07
7290	470248.67	3820950.55	0.000027925	1.17E-04	1.06E-05	2.33E-05	8.62E-05	7.58E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.90E-06	5.45E-07
7291	470258.37	3820950.68	0.000027694	1.16E-04	1.05E-05	2.31E-05	8.55E-05	7.52E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.84E-06	5.40E-07
7292	470306.24	3819458.15	0.0019757	8.30E-03	7.47E-04	1.65E-03	6.10E-03	5.36E-04	1.87E-04	1.07E-03	1.27E-04	1.70E-04	5.59E-04	3.86E-05
7293	470309.33	3819441.44	0.0022462	9.43E-03	8.49E-04	1.87E-03	6.93E-03	6.10E-04	2.12E-04	1.21E-03	1.45E-04	1.93E-04	6.36E-04	4.38E-05
7294	470309.41	3819431.79	0.0024477	1.03E-02	9.26E-04	2.04E-03	7.55E-03	6.64E-04	2.31E-04	1.32E-03	1.58E-04	2.10E-04	6.93E-04	4.78E-05
7295	470309.5	3819422.14	0.0026329	1.11E-02	9.96E-04	2.19E-03	8.12E-03	7.15E-04	2.49E-04	1.42E-03	1.70E-04	2.26E-04	7.45E-04	5.14E-05
7296	470309.58	3819412.49	0.0027888	1.17E-02	1.05E-03	2.32E-03	8.61E-03	7.57E-04	2.63E-04	1.51E-03	1.80E-04	2.39E-04	7.89E-04	5.44E-05
7297	470309.66	3819402.85	0.0029109	1.22E-02	1.10E-03	2.42E-03	8.98E-03	7.90E-04	2.75E-04	1.57E-03	1.88E-04	2.50E-04	8.24E-04	5.68E-05
7298	470309.75	3819393.2	0.0030018	1.26E-02	1.14E-03	2.50E-03	9.26E-03	8.15E-04	2.83E-04	1.62E-03	1.94E-04	2.58E-04	8.50E-04	5.86E-05
7299	470309.83	3819383.55	0.0030635	1.29E-02	1.16E-03	2.55E-03	9.45E-03	8.32E-04	2.89E-04	1.66E-03	1.98E-04	2.63E-04	8.67E-04	5.98E-05
7300	470309.91	3819373.9	0.0030984	1.30E-02	1.17E-03	2.58E-03	9.56E-03	8.41E-04	2.93E-04	1.68E-03	2.00E-04	2.66E-04	8.77E-04	6.05E-05
7301	470309.99	3819364.25	0.0031066	1.30E-02	1.17E-03	2.59E-03	9.59E-03	8.43E-04	2.93E-04	1.68E-03	2.00E-04	2.67E-04	8.79E-04	6.06E-05
7302	470310.08	3819354.61	0.0030941	1.30E-02	1.17E-03	2.58E-03	9.55E-03	8.40E-04	2.92E-04	1.67E-03	2.00E-04	2.66E-04	8.76E-04	6.04E-05
7303	470310.16	3819344.96	0.0030639	1.29E-02	1.16E-03	2.55E-03	9.45E-03	8.32E-04	2.89E-04	1.66E-03	1.98E-04	2.63E-04	8.67E-04	5.98E-05
7304	470310.24	3819335.31	0.0030172	1.27E-02	1.14E-03	2.51E-03	9.31E-03	8.19E-04	2.85E-04	1.63E-03	1.95E-04	2.59E-04	8.54E-04	5.89E-05
7305	470310.32	3819325.66	0.0029516	1.24E-02	1.12E-03	2.46E-03	9.11E-03	8.01E-04	2.79E-04	1.60E-03	1.90E-04	2.53E-04	8.35E-04	5.76E-05
7306	470310.41	3819316.01	0.0028648	1.20E-02	1.08E-03	2.39E-03	8.84E-03	7.78E-04	2.71E-04	1.55E-03	1.85E-04	2.46E-04	8.11E-04	5.59E-05

7307	470310.49	3819306.36	0.002755	1.16E-02	1.04E-03	2.29E-03	8.50E-03	7.48E-04	2.60E-04	1.49E-03	1.78E-04	2.37E-04	7.80E-04	5.38E-05
7308	470310.57	3819296.72	0.0026222	1.10E-02	9.92E-04	2.18E-03	8.09E-03	7.12E-04	2.48E-04	1.42E-03	1.69E-04	2.25E-04	7.42E-04	5.12E-05
7309	470310.66	3819287.07	0.0024634	1.03E-02	9.32E-04	2.05E-03	7.60E-03	6.69E-04	2.33E-04	1.33E-03	1.59E-04	2.11E-04	6.97E-04	4.81E-05
7310	470310.74	3819277.42	0.0022778	9.57E-03	8.61E-04	1.90E-03	7.03E-03	6.18E-04	2.15E-04	1.23E-03	1.47E-04	1.96E-04	6.45E-04	4.44E-05
7311	470310.82	3819267.77	0.0020655	8.67E-03	7.81E-04	1.72E-03	6.37E-03	5.61E-04	1.95E-04	1.12E-03	1.33E-04	1.77E-04	5.85E-04	4.03E-05
7312	470310.9	3819258.12	0.001831	7.69E-03	6.92E-04	1.53E-03	5.65E-03	4.97E-04	1.73E-04	9.90E-04	1.18E-04	1.57E-04	5.18E-04	3.57E-05
7313	470310.99	3819248.48	0.0015877	6.67E-03	6.00E-04	1.32E-03	4.90E-03	4.31E-04	1.50E-04	8.58E-04	1.02E-04	1.36E-04	4.49E-04	3.10E-05
7314	470316.24	3819458.24	0.001742	7.32E-03	6.59E-04	1.45E-03	5.38E-03	4.73E-04	1.64E-04	9.42E-04	1.12E-04	1.50E-04	4.93E-04	3.40E-05
7315	470310.22	3819472.37	0.0016233	6.82E-03	6.14E-04	1.35E-03	5.01E-03	4.41E-04	1.53E-04	8.78E-04	1.05E-04	1.39E-04	4.59E-04	3.17E-05
7316	470319.33	3819441.52	0.0019427	8.16E-03	7.35E-04	1.62E-03	5.99E-03	5.27E-04	1.83E-04	1.05E-03	1.25E-04	1.67E-04	5.50E-04	3.79E-05
7317	470319.41	3819431.88	0.0020907	8.78E-03	7.91E-04	1.74E-03	6.45E-03	5.68E-04	1.97E-04	1.13E-03	1.35E-04	1.79E-04	5.92E-04	4.08E-05
7318	470319.5	3819422.23	0.0022253	9.35E-03	8.42E-04	1.85E-03	6.87E-03	6.04E-04	2.10E-04	1.20E-03	1.44E-04	1.91E-04	6.30E-04	4.34E-05
7319	470319.58	3819412.58	0.0023393	9.82E-03	8.85E-04	1.95E-03	7.22E-03	6.35E-04	2.21E-04	1.26E-03	1.51E-04	2.01E-04	6.62E-04	4.56E-05
7320	470319.66	3819402.93	0.002431	1.02E-02	9.19E-04	2.02E-03	7.50E-03	6.60E-04	2.30E-04	1.31E-03	1.57E-04	2.09E-04	6.88E-04	4.74E-05
7321	470319.74	3819393.28	0.0025028	1.05E-02	9.47E-04	2.08E-03	7.72E-03	6.79E-04	2.36E-04	1.35E-03	1.61E-04	2.15E-04	7.08E-04	4.88E-05
7322	470319.83	3819383.64	0.0025505	1.07E-02	9.65E-04	2.12E-03	7.87E-03	6.92E-04	2.41E-04	1.38E-03	1.65E-04	2.19E-04	7.22E-04	4.98E-05
7323	470319.91	3819373.99	0.0025762	1.08E-02	9.74E-04	2.15E-03	7.95E-03	6.99E-04	2.43E-04	1.39E-03	1.66E-04	2.21E-04	7.29E-04	5.03E-05
7324	470319.99	3819364.34	0.0025793	1.08E-02	9.75E-04	2.15E-03	7.96E-03	7.00E-04	2.44E-04	1.39E-03	1.66E-04	2.21E-04	7.30E-04	5.03E-05
7325	470320.08	3819354.69	0.002565	1.08E-02	9.70E-04	2.14E-03	7.92E-03	6.96E-04	2.42E-04	1.39E-03	1.65E-04	2.20E-04	7.26E-04	5.00E-05
7326	470320.16	3819345.04	0.0025349	1.06E-02	9.59E-04	2.11E-03	7.82E-03	6.88E-04	2.39E-04	1.37E-03	1.64E-04	2.18E-04	7.18E-04	4.95E-05
7327	470320.24	3819335.39	0.0024891	1.05E-02	9.41E-04	2.07E-03	7.68E-03	6.76E-04	2.35E-04	1.35E-03	1.61E-04	2.14E-04	7.05E-04	4.86E-05
7328	470320.32	3819325.75	0.0024276	1.02E-02	9.18E-04	2.02E-03	7.49E-03	6.59E-04	2.29E-04	1.31E-03	1.57E-04	2.08E-04	6.87E-04	4.74E-05
7329	470320.41	3819316.1	0.0023492	9.87E-03	8.88E-04	1.96E-03	7.25E-03	6.38E-04	2.22E-04	1.27E-03	1.52E-04	2.02E-04	6.65E-04	4.58E-05
7330	470320.49	3819306.45	0.002254	9.47E-03	8.52E-04	1.88E-03	6.96E-03	6.12E-04	2.13E-04	1.22E-03	1.45E-04	1.93E-04	6.38E-04	4.40E-05
7331	470320.57	3819296.8	0.0021409	8.99E-03	8.10E-04	1.78E-03	6.61E-03	5.81E-04	2.02E-04	1.16E-03	1.38E-04	1.84E-04	6.06E-04	4.18E-05
7332	470320.65	3819287.15	0.002009	8.44E-03	7.60E-04	1.67E-03	6.20E-03	5.45E-04	1.90E-04	1.09E-03	1.30E-04	1.72E-04	5.69E-04	3.92E-05
7333	470320.74	3819277.51	0.0018584	7.80E-03	7.03E-04	1.55E-03	5.73E-03	5.04E-04	1.75E-04	1.00E-03	1.20E-04	1.60E-04	5.26E-04	3.63E-05
7334	470320.82	3819267.86	0.001691	7.10E-03	6.40E-04	1.41E-03	5.22E-03	4.59E-04	1.60E-04	9.14E-04	1.09E-04	1.45E-04	4.79E-04	3.30E-05
7335	470320.9	3819258.21	0.0015113	6.35E-03	5.72E-04	1.26E-03	4.66E-03	4.10E-04	1.43E-04	8.17E-04	9.75E-05	1.30E-04	4.28E-04	2.95E-05
7336	470320.99	3819248.56	0.0013284	5.58E-03	5.02E-04	1.11E-03	4.10E-03	3.61E-04	1.25E-04	7.18E-04	8.57E-05	1.14E-04	3.76E-04	2.59E-05
7337	470325.49	3819460.09	0.0015373	6.46E-03	5.81E-04	1.28E-03	4.74E-03	4.17E-04	1.45E-04	8.31E-04	9.92E-05	1.32E-04	4.35E-04	3.00E-05
7338	470321.73	3819468.92	0.0014819	6.22E-03	5.60E-04	1.23E-03	4.57E-03	4.02E-04	1.40E-04	8.01E-04	9.56E-05	1.27E-04	4.19E-04	2.89E-05
7339	470317.97	3819477.75	0.0014188	5.96E-03	5.37E-04	1.18E-03	4.38E-03	3.85E-04	1.34E-04	7.67E-04	9.15E-05	1.22E-04	4.02E-04	2.77E-05
7340	470305.29	3819490.14	0.0014254	5.99E-03	5.39E-04	1.19E-03	4.40E-03	3.87E-04	1.35E-04	7.71E-04	9.19E-05	1.22E-04	4.03E-04	2.78E-05
7341	470329.25	3819451.26	0.0015821	6.64E-03	5.98E-04	1.32E-03	4.88E-03	4.29E-04	1.49E-04	8.55E-04	1.02E-04	1.36E-04	4.48E-04	3.09E-05
7342	470329.33	3819441.61	0.0016998	7.14E-03	6.43E-04	1.42E-03	5.25E-03	4.61E-04	1.61E-04	9.19E-04	1.10E-04	1.46E-04	4.81E-04	3.32E-05
7343	470329.41	3819431.96	0.0018129	7.61E-03	6.86E-04	1.51E-03	5.59E-03	4.92E-04	1.71E-04	9.80E-04	1.17E-04	1.56E-04	5.13E-04	3.54E-05
7344	470329.5	3819422.31	0.0019154	8.04E-03	7.24E-04	1.60E-03	5.91E-03	5.20E-04	1.81E-04	1.04E-03	1.24E-04	1.64E-04	5.42E-04	3.74E-05
7345	470329.58	3819412.67	0.0020027	8.41E-03	7.57E-04	1.67E-03	6.18E-03	5.44E-04	1.89E-04	1.08E-03	1.29E-04	1.72E-04	5.67E-04	3.91E-05
7346	470329.66	3819403.02	0.0020731	8.71E-03	7.84E-04	1.73E-03	6.40E-03	5.63E-04	1.96E-04	1.12E-03	1.34E-04	1.78E-04	5.87E-04	4.05E-05
7347	470329.74	3819393.37	0.0021267	8.93E-03	8.04E-04	1.77E-03	6.56E-03	5.77E-04	2.01E-04	1.15E-03	1.37E-04	1.83E-04	6.02E-04	4.15E-05
7348	470329.83	3819383.72	0.0021617	9.08E-03	8.18E-04	1.80E-03	6.67E-03	5.87E-04	2.04E-04	1.17E-03	1.39E-04	1.86E-04	6.12E-04	4.22E-05
7349	470329.91	3819374.07	0.0021795	9.15E-03	8.24E-04	1.82E-03	6.73E-03	5.92E-04	2.06E-04	1.18E-03	1.41E-04	1.87E-04	6.17E-04	4.25E-05

7350	470329.99	3819364.43	0.0021805	9.16E-03	8.25E-04	1.82E-03	6.73E-03	5.92E-04	2.06E-04	1.18E-03	1.41E-04	1.87E-04	6.17E-04	4.25E-05
7351	470330.08	3819354.78	0.0021665	9.10E-03	8.19E-04	1.80E-03	6.69E-03	5.88E-04	2.05E-04	1.17E-03	1.40E-04	1.86E-04	6.13E-04	4.23E-05
7352	470330.16	3819345.13	0.0021387	8.98E-03	8.09E-04	1.78E-03	6.60E-03	5.81E-04	2.02E-04	1.16E-03	1.38E-04	1.84E-04	6.05E-04	4.17E-05
7353	470330.24	3819335.48	0.0020966	8.80E-03	7.93E-04	1.75E-03	6.47E-03	5.69E-04	1.98E-04	1.13E-03	1.35E-04	1.80E-04	5.93E-04	4.09E-05
7354	470330.32	3819325.83	0.0020412	8.57E-03	7.72E-04	1.70E-03	6.30E-03	5.54E-04	1.93E-04	1.10E-03	1.32E-04	1.75E-04	5.78E-04	3.98E-05
7355	470330.41	3819316.18	0.0019719	8.28E-03	7.46E-04	1.64E-03	6.08E-03	5.35E-04	1.86E-04	1.07E-03	1.27E-04	1.69E-04	5.58E-04	3.85E-05
7356	470330.49	3819306.54	0.0018891	7.93E-03	7.14E-04	1.57E-03	5.83E-03	5.13E-04	1.78E-04	1.02E-03	1.22E-04	1.62E-04	5.35E-04	3.69E-05
7357	470330.57	3819296.89	0.0017922	7.53E-03	6.78E-04	1.49E-03	5.53E-03	4.87E-04	1.69E-04	9.69E-04	1.16E-04	1.54E-04	5.07E-04	3.50E-05
7358	470330.65	3819287.24	0.0016813	7.06E-03	6.36E-04	1.40E-03	5.19E-03	4.56E-04	1.59E-04	9.09E-04	1.08E-04	1.44E-04	4.76E-04	3.28E-05
7359	470330.74	3819277.59	0.001557	6.54E-03	5.89E-04	1.30E-03	4.80E-03	4.23E-04	1.47E-04	8.42E-04	1.00E-04	1.34E-04	4.41E-04	3.04E-05
7360	470330.82	3819267.94	0.001422	5.97E-03	5.38E-04	1.18E-03	4.39E-03	3.86E-04	1.34E-04	7.69E-04	9.17E-05	1.22E-04	4.03E-04	2.77E-05
7361	470330.9	3819258.3	0.0012799	5.37E-03	4.84E-04	1.07E-03	3.95E-03	3.47E-04	1.21E-04	6.92E-04	8.26E-05	1.10E-04	3.62E-04	2.50E-05
7362	470330.99	3819248.65	0.0011363	4.77E-03	4.30E-04	9.46E-04	3.51E-03	3.08E-04	1.07E-04	6.14E-04	7.33E-05	9.75E-05	3.22E-04	2.22E-05
7363	470335.64	3819459.82	0.0013775	5.79E-03	5.21E-04	1.15E-03	4.25E-03	3.74E-04	1.30E-04	7.45E-04	8.89E-05	1.18E-04	3.90E-04	2.69E-05
7364	470332.03	3819468.3	0.0013377	5.62E-03	5.06E-04	1.11E-03	4.13E-03	3.63E-04	1.26E-04	7.23E-04	8.63E-05	1.15E-04	3.79E-04	2.61E-05
7365	470328.42	3819476.78	0.0012907	5.42E-03	4.88E-04	1.08E-03	3.98E-03	3.50E-04	1.22E-04	6.98E-04	8.33E-05	1.11E-04	3.65E-04	2.52E-05
7366	470324.81	3819485.25	0.0012404	5.21E-03	4.69E-04	1.03E-03	3.83E-03	3.37E-04	1.17E-04	6.71E-04	8.00E-05	1.06E-04	3.51E-04	2.42E-05
7367	470312.64	3819497.15	0.0012444	5.23E-03	4.71E-04	1.04E-03	3.84E-03	3.38E-04	1.18E-04	6.73E-04	8.03E-05	1.07E-04	3.52E-04	2.43E-05
7368	470304.08	3819500.57	0.0013013	5.46E-03	4.92E-04	1.08E-03	4.02E-03	3.53E-04	1.23E-04	7.03E-04	8.39E-05	1.12E-04	3.68E-04	2.54E-05
7369	470339.25	3819451.34	0.0014089	5.92E-03	5.33E-04	1.17E-03	4.35E-03	3.82E-04	1.33E-04	7.62E-04	9.09E-05	1.21E-04	3.99E-04	2.75E-05
7370	470339.33	3819441.7	0.0015017	6.31E-03	5.68E-04	1.25E-03	4.63E-03	4.08E-04	1.42E-04	8.12E-04	9.69E-05	1.29E-04	4.25E-04	2.93E-05
7371	470339.41	3819432.05	0.0015902	6.68E-03	6.01E-04	1.32E-03	4.91E-03	4.32E-04	1.50E-04	8.60E-04	1.03E-04	1.37E-04	4.50E-04	3.10E-05
7372	470339.5	3819422.4	0.00167	7.01E-03	6.32E-04	1.39E-03	5.15E-03	4.53E-04	1.58E-04	9.03E-04	1.08E-04	1.43E-04	4.73E-04	3.26E-05
7373	470339.58	3819412.75	0.0017383	7.30E-03	6.57E-04	1.45E-03	5.36E-03	4.72E-04	1.64E-04	9.40E-04	1.12E-04	1.49E-04	4.92E-04	3.39E-05
7374	470339.66	3819403.1	0.001793	7.53E-03	6.78E-04	1.49E-03	5.53E-03	4.87E-04	1.69E-04	9.69E-04	1.16E-04	1.54E-04	5.08E-04	3.50E-05
7375	470339.74	3819393.46	0.0018339	7.70E-03	6.94E-04	1.53E-03	5.66E-03	4.98E-04	1.73E-04	9.91E-04	1.18E-04	1.57E-04	5.19E-04	3.58E-05
7376	470339.83	3819383.81	0.0018598	7.81E-03	7.03E-04	1.55E-03	5.74E-03	5.05E-04	1.76E-04	1.01E-03	1.20E-04	1.60E-04	5.26E-04	3.63E-05
7377	470339.91	3819374.16	0.001872	7.86E-03	7.08E-04	1.56E-03	5.78E-03	5.08E-04	1.77E-04	1.01E-03	1.21E-04	1.61E-04	5.30E-04	3.65E-05
7378	470339.99	3819364.51	0.0018715	7.86E-03	7.08E-04	1.56E-03	5.78E-03	5.08E-04	1.77E-04	1.01E-03	1.21E-04	1.61E-04	5.30E-04	3.65E-05
7379	470340.08	3819354.86	0.0018579	7.80E-03	7.03E-04	1.55E-03	5.73E-03	5.04E-04	1.75E-04	1.00E-03	1.20E-04	1.59E-04	5.26E-04	3.63E-05
7380	470340.16	3819345.21	0.0018322	7.69E-03	6.93E-04	1.53E-03	5.65E-03	4.97E-04	1.73E-04	9.90E-04	1.18E-04	1.57E-04	5.19E-04	3.58E-05
7381	470340.24	3819335.57	0.0017939	7.53E-03	6.78E-04	1.49E-03	5.54E-03	4.87E-04	1.69E-04	9.70E-04	1.16E-04	1.54E-04	5.08E-04	3.50E-05
7382	470340.32	3819325.92	0.0017442	7.32E-03	6.60E-04	1.45E-03	5.38E-03	4.73E-04	1.65E-04	9.43E-04	1.13E-04	1.50E-04	4.94E-04	3.40E-05
7383	470340.41	3819316.27	0.0016829	7.07E-03	6.36E-04	1.40E-03	5.19E-03	4.57E-04	1.59E-04	9.10E-04	1.09E-04	1.44E-04	4.76E-04	3.28E-05
7384	470340.49	3819306.62	0.0016106	6.76E-03	6.09E-04	1.34E-03	4.97E-03	4.37E-04	1.52E-04	8.71E-04	1.04E-04	1.38E-04	4.56E-04	3.14E-05
7385	470340.57	3819296.97	0.0015273	6.41E-03	5.78E-04	1.27E-03	4.71E-03	4.15E-04	1.44E-04	8.26E-04	9.85E-05	1.31E-04	4.32E-04	2.98E-05
7386	470340.65	3819287.33	0.0014334	6.02E-03	5.42E-04	1.19E-03	4.42E-03	3.89E-04	1.35E-04	7.75E-04	9.25E-05	1.23E-04	4.06E-04	2.80E-05
7387	470340.74	3819277.68	0.0013299	5.58E-03	5.03E-04	1.11E-03	4.10E-03	3.61E-04	1.26E-04	7.19E-04	8.58E-05	1.14E-04	3.76E-04	2.59E-05
7388	470340.82	3819268.03	0.001219	5.12E-03	4.61E-04	1.02E-03	3.76E-03	3.31E-04	1.15E-04	6.59E-04	7.86E-05	1.05E-04	3.45E-04	2.38E-05
7389	470340.9	3819258.38	0.0011037	4.64E-03	4.17E-04	9.19E-04	3.41E-03	3.00E-04	1.04E-04	5.97E-04	7.12E-05	9.47E-05	3.12E-04	2.15E-05
7390	470340.99	3819248.73	0.00098808	4.15E-03	3.74E-04	8.23E-04	3.05E-03	2.68E-04	9.33E-05	5.34E-04	6.37E-05	8.48E-05	2.80E-04	1.93E-05
7391	470345.74	3819459.67	0.0012407	5.21E-03	4.69E-04	1.03E-03	3.83E-03	3.37E-04	1.17E-04	6.71E-04	8.00E-05	1.07E-04	3.51E-04	2.42E-05
7392	470338.72	3819476.16	0.0011759	4.94E-03	4.45E-04	9.79E-04	3.63E-03	3.19E-04	1.11E-04	6.36E-04	7.58E-05	1.01E-04	3.33E-04	2.29E-05

7393	470331.7	3819492.64	0.0010959	4.60E-03	4.14E-04	9.13E-04	3.38E-03	2.97E-04	1.03E-04	5.92E-04	7.07E-05	9.41E-05	3.10E-04	2.14E-05
7394	470319.87	3819504.2	0.0010989	4.61E-03	4.16E-04	9.15E-04	3.39E-03	2.98E-04	1.04E-04	5.94E-04	7.09E-05	9.43E-05	3.11E-04	2.14E-05
7395	470303.23	3819510.85	0.0011897	5.00E-03	4.50E-04	9.91E-04	3.67E-03	3.23E-04	1.12E-04	6.43E-04	7.67E-05	1.02E-04	3.37E-04	2.32E-05
7396	470349.33	3819441.78	0.0013377	5.62E-03	5.06E-04	1.11E-03	4.13E-03	3.63E-04	1.26E-04	7.23E-04	8.63E-05	1.15E-04	3.79E-04	2.61E-05
7397	470349.41	3819432.13	0.0014081	5.91E-03	5.33E-04	1.17E-03	4.35E-03	3.82E-04	1.33E-04	7.61E-04	9.08E-05	1.21E-04	3.99E-04	2.75E-05
7398	470349.5	3819422.49	0.0014713	6.18E-03	5.56E-04	1.23E-03	4.54E-03	3.99E-04	1.39E-04	7.95E-04	9.49E-05	1.26E-04	4.16E-04	2.87E-05
7399	470349.58	3819412.84	0.0015254	6.41E-03	5.77E-04	1.27E-03	4.71E-03	4.14E-04	1.44E-04	8.25E-04	9.84E-05	1.31E-04	4.32E-04	2.98E-05
7400	470349.66	3819403.19	0.0015686	6.59E-03	5.93E-04	1.31E-03	4.84E-03	4.26E-04	1.48E-04	8.48E-04	1.01E-04	1.35E-04	4.44E-04	3.06E-05
7401	470349.74	3819393.54	0.0016001	6.72E-03	6.05E-04	1.33E-03	4.94E-03	4.34E-04	1.51E-04	8.65E-04	1.03E-04	1.37E-04	4.53E-04	3.12E-05
7402	470349.83	3819383.89	0.0016193	6.80E-03	6.12E-04	1.35E-03	5.00E-03	4.40E-04	1.53E-04	8.75E-04	1.04E-04	1.39E-04	4.58E-04	3.16E-05
7403	470349.91	3819374.24	0.0016274	6.83E-03	6.15E-04	1.36E-03	5.02E-03	4.42E-04	1.54E-04	8.80E-04	1.05E-04	1.40E-04	4.61E-04	3.18E-05
7404	470349.99	3819364.6	0.0016259	6.83E-03	6.15E-04	1.35E-03	5.02E-03	4.41E-04	1.54E-04	8.79E-04	1.05E-04	1.40E-04	4.60E-04	3.17E-05
7405	470350.07	3819354.95	0.001613	6.77E-03	6.10E-04	1.34E-03	4.98E-03	4.38E-04	1.52E-04	8.72E-04	1.04E-04	1.38E-04	4.57E-04	3.15E-05
7406	470350.16	3819345.3	0.001589	6.67E-03	6.01E-04	1.32E-03	4.90E-03	4.31E-04	1.50E-04	8.59E-04	1.02E-04	1.36E-04	4.50E-04	3.10E-05
7407	470350.24	3819335.65	0.0015543	6.53E-03	5.88E-04	1.29E-03	4.80E-03	4.22E-04	1.47E-04	8.40E-04	1.00E-04	1.33E-04	4.40E-04	3.03E-05
7408	470350.32	3819326	0.0015098	6.34E-03	5.71E-04	1.26E-03	4.66E-03	4.10E-04	1.43E-04	8.16E-04	9.74E-05	1.30E-04	4.27E-04	2.95E-05
7409	470350.41	3819316.36	0.0014557	6.11E-03	5.51E-04	1.21E-03	4.49E-03	3.95E-04	1.37E-04	7.87E-04	9.39E-05	1.25E-04	4.12E-04	2.84E-05
7410	470350.49	3819306.71	0.0013925	5.85E-03	5.27E-04	1.16E-03	4.30E-03	3.78E-04	1.31E-04	7.53E-04	8.98E-05	1.20E-04	3.94E-04	2.72E-05
7411	470350.57	3819297.06	0.0013205	5.55E-03	4.99E-04	1.10E-03	4.07E-03	3.58E-04	1.25E-04	7.14E-04	8.52E-05	1.13E-04	3.74E-04	2.58E-05
7412	470350.65	3819287.41	0.0012404	5.21E-03	4.69E-04	1.03E-03	3.83E-03	3.37E-04	1.17E-04	6.71E-04	8.00E-05	1.06E-04	3.51E-04	2.42E-05
7413	470350.74	3819277.76	0.0011531	4.84E-03	4.36E-04	9.60E-04	3.56E-03	3.13E-04	1.09E-04	6.23E-04	7.44E-05	9.90E-05	3.26E-04	2.25E-05
7414	470350.82	3819268.11	0.0010607	4.45E-03	4.01E-04	8.84E-04	3.27E-03	2.88E-04	1.00E-04	5.73E-04	6.84E-05	9.11E-05	3.00E-04	2.07E-05
7415	470350.9	3819258.47	0.00096562	4.06E-03	3.65E-04	8.04E-04	2.98E-03	2.62E-04	9.12E-05	5.22E-04	6.23E-05	8.29E-05	2.73E-04	1.88E-05
7416	470350.98	3819248.82	0.00087056	3.66E-03	3.29E-04	7.25E-04	2.69E-03	2.36E-04	8.22E-05	4.71E-04	5.62E-05	7.47E-05	2.46E-04	1.70E-05
7417	470355.81	3819459.59	0.0011229	4.72E-03	4.25E-04	9.35E-04	3.47E-03	3.05E-04	1.06E-04	6.07E-04	7.24E-05	9.64E-05	3.18E-04	2.19E-05
7418	470348.93	3819475.74	0.0010739	4.51E-03	4.06E-04	8.95E-04	3.31E-03	2.92E-04	1.01E-04	5.81E-04	6.93E-05	9.22E-05	3.04E-04	2.10E-05
7419	470342.06	3819491.88	0.0010106	4.24E-03	3.82E-04	8.42E-04	3.12E-03	2.74E-04	9.54E-05	5.46E-04	6.52E-05	8.68E-05	2.86E-04	1.97E-05
7420	470327.03	3819511.29	0.0009801	4.12E-03	3.71E-04	8.16E-04	3.02E-03	2.66E-04	9.26E-05	5.30E-04	6.32E-05	8.41E-05	2.77E-04	1.91E-05
7421	470310.73	3819517.8	0.0010538	4.43E-03	3.99E-04	8.78E-04	3.25E-03	2.86E-04	9.95E-05	5.70E-04	6.80E-05	9.05E-05	2.98E-04	2.06E-05
7422	470359.33	3819441.87	0.0011998	5.04E-03	4.54E-04	9.99E-04	3.70E-03	3.26E-04	1.13E-04	6.49E-04	7.74E-05	1.03E-04	3.40E-04	2.34E-05
7423	470359.41	3819432.22	0.0012567	5.28E-03	4.75E-04	1.05E-03	3.88E-03	3.41E-04	1.19E-04	6.79E-04	8.11E-05	1.08E-04	3.56E-04	2.45E-05
7424	470359.5	3819422.57	0.0013075	5.49E-03	4.94E-04	1.09E-03	4.03E-03	3.55E-04	1.23E-04	7.07E-04	8.43E-05	1.12E-04	3.70E-04	2.55E-05
7425	470359.58	3819412.92	0.0013509	5.67E-03	5.11E-04	1.13E-03	4.17E-03	3.67E-04	1.28E-04	7.30E-04	8.71E-05	1.16E-04	3.82E-04	2.64E-05
7426	470359.66	3819403.28	0.0013854	5.82E-03	5.24E-04	1.15E-03	4.28E-03	3.76E-04	1.31E-04	7.49E-04	8.94E-05	1.19E-04	3.92E-04	2.70E-05
7427	470359.74	3819393.63	0.0014103	5.92E-03	5.33E-04	1.17E-03	4.35E-03	3.83E-04	1.33E-04	7.62E-04	9.10E-05	1.21E-04	3.99E-04	2.75E-05
7428	470359.83	3819383.98	0.0014252	5.99E-03	5.39E-04	1.19E-03	4.40E-03	3.87E-04	1.35E-04	7.70E-04	9.19E-05	1.22E-04	4.03E-04	2.78E-05
7429	470359.91	3819374.33	0.0014305	6.01E-03	5.41E-04	1.19E-03	4.41E-03	3.88E-04	1.35E-04	7.73E-04	9.23E-05	1.23E-04	4.05E-04	2.79E-05
7430	470359.99	3819364.68	0.0014269	5.99E-03	5.40E-04	1.19E-03	4.40E-03	3.87E-04	1.35E-04	7.71E-04	9.20E-05	1.22E-04	4.04E-04	2.78E-05
7431	470360.07	3819355.03	0.0014139	5.94E-03	5.35E-04	1.18E-03	4.36E-03	3.84E-04	1.34E-04	7.64E-04	9.12E-05	1.21E-04	4.00E-04	2.76E-05
7432	470360.16	3819345.39	0.0013916	5.84E-03	5.26E-04	1.16E-03	4.29E-03	3.78E-04	1.31E-04	7.52E-04	8.98E-05	1.19E-04	3.94E-04	2.72E-05
7433	470360.24	3819335.74	0.0013605	5.71E-03	5.15E-04	1.13E-03	4.20E-03	3.69E-04	1.28E-04	7.35E-04	8.78E-05	1.17E-04	3.85E-04	2.65E-05
7434	470360.32	3819326.09	0.0013209	5.55E-03	5.00E-04	1.10E-03	4.08E-03	3.59E-04	1.25E-04	7.14E-04	8.52E-05	1.13E-04	3.74E-04	2.58E-05
7435	470360.41	3819316.44	0.0012732	5.35E-03	4.82E-04	1.06E-03	3.93E-03	3.46E-04	1.20E-04	6.88E-04	8.21E-05	1.09E-04	3.60E-04	2.48E-05

7436	470360.49	3819306.79	0.0012178	5.11E-03	4.61E-04	1.01E-03	3.76E-03	3.31E-04	1.15E-04	6.58E-04	7.86E-05	1.05E-04	3.45E-04	2.38E-05
7437	470360.57	3819297.15	0.0011554	4.85E-03	4.37E-04	9.62E-04	3.57E-03	3.14E-04	1.09E-04	6.25E-04	7.45E-05	9.92E-05	3.27E-04	2.25E-05
7438	470360.65	3819287.5	0.0010865	4.56E-03	4.11E-04	9.05E-04	3.35E-03	2.95E-04	1.03E-04	5.87E-04	7.01E-05	9.33E-05	3.08E-04	2.12E-05
7439	470360.74	3819277.85	0.0010122	4.25E-03	3.83E-04	8.43E-04	3.12E-03	2.75E-04	9.56E-05	5.47E-04	6.53E-05	8.69E-05	2.87E-04	1.98E-05
7440	470360.82	3819268.2	0.00093429	3.92E-03	3.53E-04	7.78E-04	2.88E-03	2.54E-04	8.82E-05	5.05E-04	6.03E-05	8.02E-05	2.64E-04	1.82E-05
7441	470360.9	3819258.55	0.00085445	3.59E-03	3.23E-04	7.12E-04	2.64E-03	2.32E-04	8.07E-05	4.62E-04	5.51E-05	7.34E-05	2.42E-04	1.67E-05
7442	470360.98	3819248.9	0.00077492	3.25E-03	2.93E-04	6.45E-04	2.39E-03	2.10E-04	7.32E-05	4.19E-04	5.00E-05	6.65E-05	2.19E-04	1.51E-05
7443	470365.86	3819459.55	0.001021	4.29E-03	3.86E-04	8.50E-04	3.15E-03	2.77E-04	9.64E-05	5.52E-04	6.59E-05	8.76E-05	2.89E-04	1.99E-05
7444	470359.09	3819475.44	0.00098394	4.13E-03	3.72E-04	8.20E-04	3.04E-03	2.67E-04	9.29E-05	5.32E-04	6.35E-05	8.45E-05	2.79E-04	1.92E-05
7445	470352.32	3819491.34	0.00093337	3.92E-03	3.53E-04	7.77E-04	2.88E-03	2.53E-04	8.81E-05	5.05E-04	6.02E-05	8.01E-05	2.64E-04	1.82E-05
7446	470345.55	3819507.23	0.0008783	3.69E-03	3.32E-04	7.32E-04	2.71E-03	2.38E-04	8.29E-05	4.75E-04	5.67E-05	7.54E-05	2.49E-04	1.71E-05
7447	470334.15	3819518.39	0.00088047	3.70E-03	3.33E-04	7.33E-04	2.72E-03	2.39E-04	8.31E-05	4.76E-04	5.68E-05	7.56E-05	2.49E-04	1.72E-05
7448	470318.11	3819524.8	0.00094171	3.95E-03	3.56E-04	7.84E-04	2.91E-03	2.56E-04	8.89E-05	5.09E-04	6.07E-05	8.08E-05	2.67E-04	1.84E-05
7449	470302.06	3819531.21	0.0010038	4.22E-03	3.80E-04	8.36E-04	3.10E-03	2.73E-04	9.48E-05	5.43E-04	6.48E-05	8.62E-05	2.84E-04	1.96E-05
7450	470369.33	3819441.95	0.0010827	4.55E-03	4.09E-04	9.02E-04	3.34E-03	2.94E-04	1.02E-04	5.85E-04	6.98E-05	9.29E-05	3.06E-04	2.11E-05
7451	470369.41	3819432.31	0.0011291	4.74E-03	4.27E-04	9.40E-04	3.48E-03	3.06E-04	1.07E-04	6.10E-04	7.28E-05	9.69E-05	3.20E-04	2.20E-05
7452	470369.49	3819422.66	0.0011705	4.92E-03	4.43E-04	9.75E-04	3.61E-03	3.18E-04	1.11E-04	6.33E-04	7.55E-05	1.00E-04	3.31E-04	2.28E-05
7453	470369.58	3819413.01	0.0012055	5.06E-03	4.56E-04	1.00E-03	3.72E-03	3.27E-04	1.14E-04	6.52E-04	7.78E-05	1.03E-04	3.41E-04	2.35E-05
7454	470369.66	3819403.36	0.0012333	5.18E-03	4.66E-04	1.03E-03	3.81E-03	3.35E-04	1.16E-04	6.67E-04	7.95E-05	1.06E-04	3.49E-04	2.41E-05
7455	470369.74	3819393.71	0.0012531	5.26E-03	4.74E-04	1.04E-03	3.87E-03	3.40E-04	1.18E-04	6.77E-04	8.08E-05	1.08E-04	3.55E-04	2.45E-05
7456	470369.83	3819384.06	0.0012644	5.31E-03	4.78E-04	1.05E-03	3.90E-03	3.43E-04	1.19E-04	6.84E-04	8.16E-05	1.09E-04	3.58E-04	2.47E-05
7457	470369.91	3819374.42	0.0012677	5.32E-03	4.79E-04	1.06E-03	3.91E-03	3.44E-04	1.20E-04	6.85E-04	8.18E-05	1.09E-04	3.59E-04	2.47E-05
7458	470369.99	3819364.77	0.0012629	5.30E-03	4.78E-04	1.05E-03	3.90E-03	3.43E-04	1.19E-04	6.83E-04	8.15E-05	1.08E-04	3.57E-04	2.46E-05
7459	470370.07	3819355.12	0.0012501	5.25E-03	4.73E-04	1.04E-03	3.86E-03	3.39E-04	1.18E-04	6.76E-04	8.06E-05	1.07E-04	3.54E-04	2.44E-05
7460	470370.16	3819345.47	0.0012294	5.16E-03	4.65E-04	1.02E-03	3.79E-03	3.34E-04	1.16E-04	6.65E-04	7.93E-05	1.06E-04	3.48E-04	2.40E-05
7461	470370.24	3819335.82	0.0012015	5.05E-03	4.54E-04	1.00E-03	3.71E-03	3.26E-04	1.13E-04	6.50E-04	7.75E-05	1.03E-04	3.40E-04	2.34E-05
7462	470370.32	3819326.18	0.0011664	4.90E-03	4.41E-04	9.72E-04	3.60E-03	3.17E-04	1.10E-04	6.31E-04	7.52E-05	1.00E-04	3.30E-04	2.28E-05
7463	470370.4	3819316.53	0.0011243	4.72E-03	4.25E-04	9.36E-04	3.47E-03	3.05E-04	1.06E-04	6.08E-04	7.25E-05	9.65E-05	3.18E-04	2.19E-05
7464	470370.49	3819306.88	0.0010755	4.52E-03	4.07E-04	8.96E-04	3.32E-03	2.92E-04	1.02E-04	5.81E-04	6.94E-05	9.23E-05	3.04E-04	2.10E-05
7465	470370.57	3819297.23	0.001021	4.29E-03	3.86E-04	8.50E-04	3.15E-03	2.77E-04	9.64E-05	5.52E-04	6.59E-05	8.76E-05	2.89E-04	1.99E-05
7466	470370.65	3819287.58	0.00096142	4.04E-03	3.64E-04	8.01E-04	2.97E-03	2.61E-04	9.08E-05	5.20E-04	6.20E-05	8.25E-05	2.72E-04	1.88E-05
7467	470370.74	3819277.93	0.00089765	3.77E-03	3.39E-04	7.48E-04	2.77E-03	2.44E-04	8.48E-05	4.85E-04	5.79E-05	7.71E-05	2.54E-04	1.75E-05
7468	470370.82	3819268.29	0.00083121	3.49E-03	3.14E-04	6.92E-04	2.56E-03	2.26E-04	7.85E-05	4.49E-04	5.36E-05	7.14E-05	2.35E-04	1.62E-05
7469	470370.9	3819258.64	0.00076337	3.21E-03	2.89E-04	6.36E-04	2.36E-03	2.07E-04	7.21E-05	4.13E-04	4.92E-05	6.55E-05	2.16E-04	1.49E-05
7470	470370.98	3819248.99	0.00069589	2.92E-03	2.63E-04	5.80E-04	2.15E-03	1.89E-04	6.57E-05	3.76E-04	4.49E-05	5.97E-05	1.97E-04	1.36E-05
7471	470375.49	3819460.52	0.00093072	3.91E-03	3.52E-04	7.75E-04	2.87E-03	2.53E-04	8.79E-05	5.03E-04	6.00E-05	7.99E-05	2.63E-04	1.82E-05
7472	470371.72	3819469.35	0.00091614	3.85E-03	3.46E-04	7.63E-04	2.83E-03	2.49E-04	8.65E-05	4.95E-04	5.91E-05	7.86E-05	2.59E-04	1.79E-05
7473	470367.96	3819478.18	0.00089725	3.77E-03	3.39E-04	7.47E-04	2.77E-03	2.44E-04	8.47E-05	4.85E-04	5.79E-05	7.70E-05	2.54E-04	1.75E-05
7474	470364.2	3819487.01	0.00087494	3.67E-03	3.31E-04	7.29E-04	2.70E-03	2.38E-04	8.26E-05	4.73E-04	5.64E-05	7.51E-05	2.48E-04	1.71E-05
7475	470360.44	3819495.84	0.00085003	3.57E-03	3.21E-04	7.08E-04	2.62E-03	2.31E-04	8.03E-05	4.60E-04	5.48E-05	7.30E-05	2.41E-04	1.66E-05
7476	470356.68	3819504.67	0.00082389	3.46E-03	3.12E-04	6.86E-04	2.54E-03	2.24E-04	7.78E-05	4.45E-04	5.31E-05	7.07E-05	2.33E-04	1.61E-05
7477	470352.92	3819513.5	0.0007972	3.35E-03	3.01E-04	6.64E-04	2.46E-03	2.16E-04	7.53E-05	4.31E-04	5.14E-05	6.84E-05	2.26E-04	1.56E-05
7478	470340.25	3819525.89	0.00079911	3.36E-03	3.02E-04	6.66E-04	2.47E-03	2.17E-04	7.55E-05	4.32E-04	5.15E-05	6.86E-05	2.26E-04	1.56E-05

7479	470331.34	3819529.45	0.00082816	3.48E-03	3.13E-04	6.90E-04	2.56E-03	2.25E-04	7.82E-05	4.48E-04	5.34E-05	7.11E-05	2.34E-04	1.62E-05
7480	470322.42	3819533.01	0.00085779	3.60E-03	3.24E-04	7.14E-04	2.65E-03	2.33E-04	8.10E-05	4.64E-04	5.53E-05	7.36E-05	2.43E-04	1.67E-05
7481	470313.51	3819536.58	0.00088762	3.73E-03	3.36E-04	7.39E-04	2.74E-03	2.41E-04	8.38E-05	4.80E-04	5.73E-05	7.62E-05	2.51E-04	1.73E-05
7482	470304.6	3819540.14	0.00091754	3.85E-03	3.47E-04	7.64E-04	2.83E-03	2.49E-04	8.66E-05	4.96E-04	5.92E-05	7.88E-05	2.60E-04	1.79E-05
7483	470379.25	3819451.69	0.00094066	3.95E-03	3.56E-04	7.84E-04	2.90E-03	2.55E-04	8.88E-05	5.09E-04	6.07E-05	8.08E-05	2.66E-04	1.84E-05
7484	470379.33	3819442.04	0.00098206	4.12E-03	3.71E-04	8.18E-04	3.03E-03	2.67E-04	9.27E-05	5.31E-04	6.33E-05	8.43E-05	2.78E-04	1.92E-05
7485	470379.41	3819432.39	0.0010203	4.28E-03	3.86E-04	8.50E-04	3.15E-03	2.77E-04	9.63E-05	5.52E-04	6.58E-05	8.76E-05	2.89E-04	1.99E-05
7486	470379.49	3819422.74	0.0010543	4.43E-03	3.99E-04	8.78E-04	3.25E-03	2.86E-04	9.96E-05	5.70E-04	6.80E-05	9.05E-05	2.98E-04	2.06E-05
7487	470379.58	3819413.09	0.0010828	4.55E-03	4.10E-04	9.02E-04	3.34E-03	2.94E-04	1.02E-04	5.85E-04	6.98E-05	9.30E-05	3.07E-04	2.11E-05
7488	470379.66	3819403.45	0.0011053	4.64E-03	4.18E-04	9.21E-04	3.41E-03	3.00E-04	1.04E-04	5.97E-04	7.13E-05	9.49E-05	3.13E-04	2.16E-05
7489	470379.74	3819393.8	0.001121	4.71E-03	4.24E-04	9.34E-04	3.46E-03	3.04E-04	1.06E-04	6.06E-04	7.23E-05	9.62E-05	3.17E-04	2.19E-05
7490	470379.83	3819384.15	0.0011296	4.74E-03	4.27E-04	9.41E-04	3.49E-03	3.07E-04	1.07E-04	6.11E-04	7.29E-05	9.70E-05	3.20E-04	2.20E-05
7491	470379.91	3819374.5	0.0011313	4.75E-03	4.28E-04	9.42E-04	3.49E-03	3.07E-04	1.07E-04	6.12E-04	7.30E-05	9.71E-05	3.20E-04	2.21E-05
7492	470379.99	3819364.85	0.0011258	4.73E-03	4.26E-04	9.38E-04	3.47E-03	3.06E-04	1.06E-04	6.09E-04	7.26E-05	9.66E-05	3.19E-04	2.20E-05
7493	470380.07	3819355.21	0.0011134	4.68E-03	4.21E-04	9.27E-04	3.44E-03	3.02E-04	1.05E-04	6.02E-04	7.18E-05	9.56E-05	3.15E-04	2.17E-05
7494	470380.16	3819345.56	0.0010942	4.60E-03	4.14E-04	9.11E-04	3.38E-03	2.97E-04	1.03E-04	5.92E-04	7.06E-05	9.39E-05	3.10E-04	2.14E-05
7495	470380.24	3819335.91	0.0010693	4.49E-03	4.04E-04	8.91E-04	3.30E-03	2.90E-04	1.01E-04	5.78E-04	6.90E-05	9.18E-05	3.03E-04	2.09E-05
7496	470380.32	3819326.26	0.001038	4.36E-03	3.93E-04	8.65E-04	3.20E-03	2.82E-04	9.80E-05	5.61E-04	6.70E-05	8.91E-05	2.94E-04	2.03E-05
7497	470380.4	3819316.61	0.0010007	4.20E-03	3.78E-04	8.34E-04	3.09E-03	2.72E-04	9.45E-05	5.41E-04	6.45E-05	8.59E-05	2.83E-04	1.95E-05
7498	470380.49	3819306.96	0.00095764	4.02E-03	3.62E-04	7.98E-04	2.96E-03	2.60E-04	9.04E-05	5.18E-04	6.18E-05	8.22E-05	2.71E-04	1.87E-05
7499	470380.57	3819297.32	0.00090997	3.82E-03	3.44E-04	7.58E-04	2.81E-03	2.47E-04	8.59E-05	4.92E-04	5.87E-05	7.81E-05	2.58E-04	1.78E-05
7500	470380.65	3819287.67	0.00085812	3.60E-03	3.25E-04	7.15E-04	2.65E-03	2.33E-04	8.10E-05	4.64E-04	5.53E-05	7.37E-05	2.43E-04	1.67E-05
7501	470380.74	3819278.02	0.00080295	3.37E-03	3.04E-04	6.69E-04	2.48E-03	2.18E-04	7.58E-05	4.34E-04	5.18E-05	6.89E-05	2.27E-04	1.57E-05
7502	470380.82	3819268.37	0.00074567	3.13E-03	2.82E-04	6.21E-04	2.30E-03	2.02E-04	7.04E-05	4.03E-04	4.81E-05	6.40E-05	2.11E-04	1.45E-05
7503	470380.9	3819258.72	0.00068741	2.89E-03	2.60E-04	5.73E-04	2.12E-03	1.87E-04	6.49E-05	3.72E-04	4.43E-05	5.90E-05	1.95E-04	1.34E-05
7504	470380.98	3819249.08	0.00062954	2.64E-03	2.38E-04	5.24E-04	1.94E-03	1.71E-04	5.94E-05	3.40E-04	4.06E-05	5.40E-05	1.78E-04	1.23E-05
7505	470395.64	3819460.34	0.00078483	3.30E-03	2.97E-04	6.54E-04	2.42E-03	2.13E-04	7.41E-05	4.24E-04	5.06E-05	6.74E-05	2.22E-04	1.53E-05
7506	470392.03	3819468.81	0.00077677	3.26E-03	2.94E-04	6.47E-04	2.40E-03	2.11E-04	7.34E-05	4.20E-04	5.01E-05	6.67E-05	2.20E-04	1.52E-05
7507	470388.41	3819477.29	0.00076582	3.22E-03	2.90E-04	6.38E-04	2.36E-03	2.08E-04	7.23E-05	4.14E-04	4.94E-05	6.57E-05	2.17E-04	1.49E-05
7508	470384.8	3819485.77	0.00075231	3.16E-03	2.85E-04	6.27E-04	2.32E-03	2.04E-04	7.10E-05	4.07E-04	4.85E-05	6.46E-05	2.13E-04	1.47E-05
7509	470381.19	3819494.25	0.00073677	3.09E-03	2.79E-04	6.14E-04	2.27E-03	2.00E-04	6.96E-05	3.98E-04	4.75E-05	6.32E-05	2.09E-04	1.44E-05
7510	470377.58	3819502.72	0.00071917	3.02E-03	2.72E-04	5.99E-04	2.22E-03	1.95E-04	6.79E-05	3.89E-04	4.64E-05	6.17E-05	2.04E-04	1.40E-05
7511	470373.97	3819511.2	0.00070026	2.94E-03	2.65E-04	5.83E-04	2.16E-03	1.90E-04	6.61E-05	3.79E-04	4.52E-05	6.01E-05	1.98E-04	1.37E-05
7512	470370.36	3819519.68	0.00068074	2.86E-03	2.57E-04	5.67E-04	2.10E-03	1.85E-04	6.43E-05	3.68E-04	4.39E-05	5.84E-05	1.93E-04	1.33E-05
7513	470366.75	3819528.15	0.00066122	2.78E-03	2.50E-04	5.51E-04	2.04E-03	1.79E-04	6.24E-05	3.57E-04	4.26E-05	5.68E-05	1.87E-04	1.29E-05
7514	470354.59	3819540.05	0.0006625	2.78E-03	2.51E-04	5.52E-04	2.04E-03	1.80E-04	6.26E-05	3.58E-04	4.27E-05	5.69E-05	1.88E-04	1.29E-05
7515	470346.03	3819543.47	0.00068348	2.87E-03	2.58E-04	5.69E-04	2.11E-03	1.86E-04	6.45E-05	3.69E-04	4.41E-05	5.87E-05	1.93E-04	1.33E-05
7516	470337.47	3819546.89	0.00070489	2.96E-03	2.67E-04	5.87E-04	2.18E-03	1.91E-04	6.66E-05	3.81E-04	4.55E-05	6.05E-05	2.00E-04	1.38E-05
7517	470328.92	3819550.31	0.00072666	3.05E-03	2.75E-04	6.05E-04	2.24E-03	1.97E-04	6.86E-05	3.93E-04	4.69E-05	6.24E-05	2.06E-04	1.42E-05
7518	470320.36	3819553.73	0.0007488	3.14E-03	2.83E-04	6.24E-04	2.31E-03	2.03E-04	7.07E-05	4.05E-04	4.83E-05	6.43E-05	2.12E-04	1.46E-05
7519	470311.8	3819557.14	0.00077112	3.24E-03	2.92E-04	6.42E-04	2.38E-03	2.09E-04	7.28E-05	4.17E-04	4.97E-05	6.62E-05	2.18E-04	1.50E-05
7520	470303.25	3819560.56	0.00079321	3.33E-03	3.00E-04	6.61E-04	2.45E-03	2.15E-04	7.49E-05	4.29E-04	5.12E-05	6.81E-05	2.25E-04	1.55E-05
7521	470399.25	3819451.86	0.00078969	3.32E-03	2.99E-04	6.58E-04	2.44E-03	2.14E-04	7.46E-05	4.27E-04	5.09E-05	6.78E-05	2.24E-04	1.54E-05

7522	470399.33	3819442.21	0.00081882	3.44E-03	3.10E-04	6.82E-04	2.53E-03	2.22E-04	7.73E-05	4.43E-04	5.28E-05	7.03E-05	2.32E-04	1.60E-05
7523	470399.41	3819432.56	0.00084539	3.55E-03	3.20E-04	7.04E-04	2.61E-03	2.29E-04	7.98E-05	4.57E-04	5.45E-05	7.26E-05	2.39E-04	1.65E-05
7524	470399.49	3819422.91	0.00086867	3.65E-03	3.29E-04	7.24E-04	2.68E-03	2.36E-04	8.20E-05	4.70E-04	5.60E-05	7.46E-05	2.46E-04	1.70E-05
7525	470399.58	3819413.27	0.0008879	3.73E-03	3.36E-04	7.40E-04	2.74E-03	2.41E-04	8.38E-05	4.80E-04	5.73E-05	7.62E-05	2.51E-04	1.73E-05
7526	470399.66	3819403.62	0.00090276	3.79E-03	3.41E-04	7.52E-04	2.79E-03	2.45E-04	8.52E-05	4.88E-04	5.82E-05	7.75E-05	2.56E-04	1.76E-05
7527	470399.74	3819393.97	0.00091274	3.83E-03	3.45E-04	7.60E-04	2.82E-03	2.48E-04	8.62E-05	4.93E-04	5.89E-05	7.84E-05	2.58E-04	1.78E-05
7528	470399.82	3819384.32	0.00091758	3.85E-03	3.47E-04	7.64E-04	2.83E-03	2.49E-04	8.66E-05	4.96E-04	5.92E-05	7.88E-05	2.60E-04	1.79E-05
7529	470399.91	3819374.67	0.00091707	3.85E-03	3.47E-04	7.64E-04	2.83E-03	2.49E-04	8.66E-05	4.96E-04	5.92E-05	7.87E-05	2.60E-04	1.79E-05
7530	470399.99	3819365.03	0.00091137	3.83E-03	3.45E-04	7.59E-04	2.81E-03	2.47E-04	8.61E-05	4.93E-04	5.88E-05	7.82E-05	2.58E-04	1.78E-05
7531	470400.07	3819355.38	0.00090045	3.78E-03	3.41E-04	7.50E-04	2.78E-03	2.44E-04	8.50E-05	4.87E-04	5.81E-05	7.73E-05	2.55E-04	1.76E-05
7532	470400.16	3819345.73	0.00088438	3.71E-03	3.34E-04	7.37E-04	2.73E-03	2.40E-04	8.35E-05	4.78E-04	5.70E-05	7.59E-05	2.50E-04	1.73E-05
7533	470400.24	3819336.08	0.00086365	3.63E-03	3.27E-04	7.19E-04	2.67E-03	2.34E-04	8.16E-05	4.67E-04	5.57E-05	7.41E-05	2.44E-04	1.69E-05
7534	470400.32	3819326.43	0.00083829	3.52E-03	3.17E-04	6.98E-04	2.59E-03	2.28E-04	7.92E-05	4.53E-04	5.41E-05	7.20E-05	2.37E-04	1.64E-05
7535	470400.4	3819316.78	0.00080863	3.40E-03	3.06E-04	6.74E-04	2.50E-03	2.20E-04	7.64E-05	4.37E-04	5.22E-05	6.94E-05	2.29E-04	1.58E-05
7536	470400.49	3819307.14	0.00077497	3.25E-03	2.93E-04	6.46E-04	2.39E-03	2.10E-04	7.32E-05	4.19E-04	5.00E-05	6.65E-05	2.19E-04	1.51E-05
7537	470400.57	3819297.49	0.00073796	3.10E-03	2.79E-04	6.15E-04	2.28E-03	2.00E-04	6.97E-05	3.99E-04	4.76E-05	6.34E-05	2.09E-04	1.44E-05
7538	470400.65	3819287.84	0.00069811	2.93E-03	2.64E-04	5.81E-04	2.15E-03	1.90E-04	6.59E-05	3.77E-04	4.50E-05	5.99E-05	1.98E-04	1.36E-05
7539	470400.73	3819278.19	0.00065608	2.76E-03	2.48E-04	5.46E-04	2.02E-03	1.78E-04	6.20E-05	3.55E-04	4.23E-05	5.63E-05	1.86E-04	1.28E-05
7540	470400.82	3819268.54	0.00061256	2.57E-03	2.32E-04	5.10E-04	1.89E-03	1.66E-04	5.78E-05	3.31E-04	3.95E-05	5.26E-05	1.73E-04	1.20E-05
7541	470400.9	3819258.9	0.00056855	2.39E-03	2.15E-04	4.74E-04	1.75E-03	1.54E-04	5.37E-05	3.07E-04	3.67E-05	4.88E-05	1.61E-04	1.11E-05
7542	470400.98	3819249.25	0.00052471	2.20E-03	1.98E-04	4.37E-04	1.62E-03	1.42E-04	4.95E-05	2.84E-04	3.38E-05	4.50E-05	1.49E-04	1.02E-05
7543	470415.73	3819460.27	0.00067	2.81E-03	2.53E-04	5.58E-04	2.07E-03	1.82E-04	6.33E-05	3.62E-04	4.32E-05	5.75E-05	1.90E-04	1.31E-05
7544	470408.71	3819476.76	0.00065919	2.77E-03	2.49E-04	5.49E-04	2.03E-03	1.79E-04	6.22E-05	3.56E-04	4.25E-05	5.66E-05	1.87E-04	1.29E-05
7545	470401.7	3819493.24	0.00064058	2.69E-03	2.42E-04	5.34E-04	1.98E-03	1.74E-04	6.05E-05	3.46E-04	4.13E-05	5.50E-05	1.81E-04	1.25E-05
7546	470394.68	3819509.72	0.00061576	2.59E-03	2.33E-04	5.13E-04	1.90E-03	1.67E-04	5.81E-05	3.33E-04	3.97E-05	5.29E-05	1.74E-04	1.20E-05
7547	470387.66	3819526.21	0.00058722	2.47E-03	2.22E-04	4.89E-04	1.81E-03	1.59E-04	5.55E-05	3.17E-04	3.79E-05	5.04E-05	1.66E-04	1.15E-05
7548	470380.64	3819542.69	0.00055826	2.34E-03	2.11E-04	4.65E-04	1.72E-03	1.52E-04	5.27E-05	3.02E-04	3.60E-05	4.79E-05	1.58E-04	1.09E-05
7549	470368.81	3819554.26	0.00055915	2.35E-03	2.11E-04	4.66E-04	1.73E-03	1.52E-04	5.28E-05	3.02E-04	3.61E-05	4.80E-05	1.58E-04	1.09E-05
7550	470352.17	3819560.9	0.00059097	2.48E-03	2.24E-04	4.92E-04	1.82E-03	1.60E-04	5.58E-05	3.19E-04	3.81E-05	5.07E-05	1.67E-04	1.15E-05
7551	470335.53	3819567.55	0.00062417	2.62E-03	2.36E-04	5.20E-04	1.93E-03	1.69E-04	5.89E-05	3.37E-04	4.03E-05	5.36E-05	1.77E-04	1.22E-05
7552	470318.89	3819574.2	0.00065845	2.77E-03	2.49E-04	5.48E-04	2.03E-03	1.79E-04	6.22E-05	3.56E-04	4.25E-05	5.65E-05	1.86E-04	1.28E-05
7553	470302.26	3819580.85	0.00069264	2.91E-03	2.62E-04	5.77E-04	2.14E-03	1.88E-04	6.54E-05	3.74E-04	4.47E-05	5.95E-05	1.96E-04	1.35E-05
7554	470419.33	3819442.38	0.00069283	2.91E-03	2.62E-04	5.77E-04	2.14E-03	1.88E-04	6.54E-05	3.75E-04	4.47E-05	5.95E-05	1.96E-04	1.35E-05
7555	470419.41	3819432.73	0.00071168	2.99E-03	2.69E-04	5.93E-04	2.20E-03	1.93E-04	6.72E-05	3.85E-04	4.59E-05	6.11E-05	2.01E-04	1.39E-05
7556	470419.49	3819423.09	0.00072794	3.06E-03	2.75E-04	6.06E-04	2.25E-03	1.98E-04	6.87E-05	3.94E-04	4.70E-05	6.25E-05	2.06E-04	1.42E-05
7557	470419.58	3819413.44	0.00074116	3.11E-03	2.80E-04	6.17E-04	2.29E-03	2.01E-04	7.00E-05	4.01E-04	4.78E-05	6.36E-05	2.10E-04	1.45E-05
7558	470419.66	3819403.79	0.00075105	3.15E-03	2.84E-04	6.26E-04	2.32E-03	2.04E-04	7.09E-05	4.06E-04	4.84E-05	6.45E-05	2.13E-04	1.47E-05
7559	470419.74	3819394.14	0.00075729	3.18E-03	2.86E-04	6.31E-04	2.34E-03	2.06E-04	7.15E-05	4.09E-04	4.88E-05	6.50E-05	2.14E-04	1.48E-05
7560	470419.82	3819384.49	0.00075968	3.19E-03	2.87E-04	6.33E-04	2.34E-03	2.06E-04	7.17E-05	4.11E-04	4.90E-05	6.52E-05	2.15E-04	1.48E-05
7561	470419.91	3819374.84	0.00075803	3.18E-03	2.87E-04	6.31E-04	2.34E-03	2.06E-04	7.16E-05	4.10E-04	4.89E-05	6.51E-05	2.15E-04	1.48E-05
7562	470419.99	3819365.2	0.00075247	3.16E-03	2.85E-04	6.27E-04	2.32E-03	2.04E-04	7.11E-05	4.07E-04	4.85E-05	6.46E-05	2.13E-04	1.47E-05
7563	470420.07	3819355.55	0.00074293	3.12E-03	2.81E-04	6.19E-04	2.29E-03	2.02E-04	7.02E-05	4.02E-04	4.79E-05	6.38E-05	2.10E-04	1.45E-05
7564	470420.15	3819345.9	0.00072954	3.06E-03	2.76E-04	6.08E-04	2.25E-03	1.98E-04	6.89E-05	3.94E-04	4.71E-05	6.26E-05	2.07E-04	1.42E-05

7565	470420.24	3819336.25	0.00071238	2.99E-03	2.69E-04	5.93E-04	2.20E-03	1.93E-04	6.73E-05	3.85E-04	4.59E-05	6.12E-05	2.02E-04	1.39E-05
7566	470420.32	3819326.6	0.0006918	2.91E-03	2.62E-04	5.76E-04	2.13E-03	1.88E-04	6.53E-05	3.74E-04	4.46E-05	5.94E-05	1.96E-04	1.35E-05
7567	470420.4	3819316.96	0.00066803	2.81E-03	2.53E-04	5.56E-04	2.06E-03	1.81E-04	6.31E-05	3.61E-04	4.31E-05	5.73E-05	1.89E-04	1.30E-05
7568	470420.49	3819307.31	0.00064129	2.69E-03	2.43E-04	5.34E-04	1.98E-03	1.74E-04	6.06E-05	3.47E-04	4.14E-05	5.51E-05	1.82E-04	1.25E-05
7569	470420.57	3819297.66	0.00061211	2.57E-03	2.31E-04	5.10E-04	1.89E-03	1.66E-04	5.78E-05	3.31E-04	3.95E-05	5.25E-05	1.73E-04	1.19E-05
7570	470420.65	3819288.01	0.00058086	2.44E-03	2.20E-04	4.84E-04	1.79E-03	1.58E-04	5.49E-05	3.14E-04	3.75E-05	4.99E-05	1.64E-04	1.13E-05
7571	470420.73	3819278.36	0.00054806	2.30E-03	2.07E-04	4.57E-04	1.69E-03	1.49E-04	5.18E-05	2.96E-04	3.54E-05	4.70E-05	1.55E-04	1.07E-05
7572	470420.82	3819268.71	0.00051419	2.16E-03	1.94E-04	4.28E-04	1.59E-03	1.40E-04	4.86E-05	2.78E-04	3.32E-05	4.41E-05	1.46E-04	1.00E-05
7573	470420.9	3819259.07	0.00047996	2.02E-03	1.82E-04	4.00E-04	1.48E-03	1.30E-04	4.53E-05	2.59E-04	3.10E-05	4.12E-05	1.36E-04	9.37E-06
7574	470420.98	3819249.42	0.00044581	1.87E-03	1.69E-04	3.71E-04	1.38E-03	1.21E-04	4.21E-05	2.41E-04	2.88E-05	3.83E-05	1.26E-04	8.70E-06
7575	470435.54	3819460.9	0.00057774	2.43E-03	2.19E-04	4.81E-04	1.78E-03	1.57E-04	5.46E-05	3.12E-04	3.73E-05	4.96E-05	1.64E-04	1.13E-05
7576	470431.84	3819469.59	0.00057539	2.42E-03	2.18E-04	4.79E-04	1.78E-03	1.56E-04	5.43E-05	3.11E-04	3.71E-05	4.94E-05	1.63E-04	1.12E-05
7577	470428.14	3819478.29	0.0005711	2.40E-03	2.16E-04	4.76E-04	1.76E-03	1.55E-04	5.39E-05	3.09E-04	3.68E-05	4.90E-05	1.62E-04	1.11E-05
7578	470424.43	3819486.98	0.00056513	2.37E-03	2.14E-04	4.71E-04	1.74E-03	1.53E-04	5.34E-05	3.06E-04	3.65E-05	4.85E-05	1.60E-04	1.10E-05
7579	470420.73	3819495.68	0.00055754	2.34E-03	2.11E-04	4.64E-04	1.72E-03	1.51E-04	5.26E-05	3.01E-04	3.60E-05	4.79E-05	1.58E-04	1.09E-05
7580	470417.03	3819504.37	0.00054841	2.30E-03	2.07E-04	4.57E-04	1.69E-03	1.49E-04	5.18E-05	2.96E-04	3.54E-05	4.71E-05	1.55E-04	1.07E-05
7581	470413.32	3819513.06	0.00053817	2.26E-03	2.04E-04	4.48E-04	1.66E-03	1.46E-04	5.08E-05	2.91E-04	3.47E-05	4.62E-05	1.52E-04	1.05E-05
7582	470409.62	3819521.76	0.00052695	2.21E-03	1.99E-04	4.39E-04	1.63E-03	1.43E-04	4.98E-05	2.85E-04	3.40E-05	4.52E-05	1.49E-04	1.03E-05
7583	470405.92	3819530.45	0.0005153	2.16E-03	1.95E-04	4.29E-04	1.59E-03	1.40E-04	4.87E-05	2.79E-04	3.32E-05	4.42E-05	1.46E-04	1.01E-05
7584	470402.22	3819539.15	0.00050339	2.11E-03	1.90E-04	4.19E-04	1.55E-03	1.37E-04	4.75E-05	2.72E-04	3.25E-05	4.32E-05	1.42E-04	9.82E-06
7585	470398.51	3819547.84	0.0004913	2.06E-03	1.86E-04	4.09E-04	1.52E-03	1.33E-04	4.64E-05	2.66E-04	3.17E-05	4.22E-05	1.39E-04	9.59E-06
7586	470394.81	3819556.54	0.00047907	2.01E-03	1.81E-04	3.99E-04	1.48E-03	1.30E-04	4.52E-05	2.59E-04	3.09E-05	4.11E-05	1.36E-04	9.35E-06
7587	470382.33	3819568.74	0.00047976	2.01E-03	1.81E-04	4.00E-04	1.48E-03	1.30E-04	4.53E-05	2.59E-04	3.09E-05	4.12E-05	1.36E-04	9.36E-06
7588	470373.56	3819572.25	0.00049285	2.07E-03	1.86E-04	4.11E-04	1.52E-03	1.34E-04	4.65E-05	2.66E-04	3.18E-05	4.23E-05	1.40E-04	9.62E-06
7589	470364.78	3819575.75	0.00050631	2.13E-03	1.91E-04	4.22E-04	1.56E-03	1.37E-04	4.78E-05	2.74E-04	3.27E-05	4.35E-05	1.43E-04	9.88E-06
7590	470356	3819579.26	0.00052009	2.18E-03	1.97E-04	4.33E-04	1.60E-03	1.41E-04	4.91E-05	2.81E-04	3.35E-05	4.46E-05	1.47E-04	1.01E-05
7591	470347.23	3819582.76	0.00053421	2.24E-03	2.02E-04	4.45E-04	1.65E-03	1.45E-04	5.04E-05	2.89E-04	3.45E-05	4.59E-05	1.51E-04	1.04E-05
7592	470338.45	3819586.27	0.00054865	2.30E-03	2.08E-04	4.57E-04	1.69E-03	1.49E-04	5.18E-05	2.97E-04	3.54E-05	4.71E-05	1.55E-04	1.07E-05
7593	470329.68	3819589.78	0.00056332	2.37E-03	2.13E-04	4.69E-04	1.74E-03	1.53E-04	5.32E-05	3.05E-04	3.63E-05	4.84E-05	1.59E-04	1.10E-05
7594	470320.9	3819593.28	0.00057818	2.43E-03	2.19E-04	4.82E-04	1.78E-03	1.57E-04	5.46E-05	3.13E-04	3.73E-05	4.96E-05	1.64E-04	1.13E-05
7595	470312.13	3819596.79	0.00059296	2.49E-03	2.24E-04	4.94E-04	1.83E-03	1.61E-04	5.60E-05	3.21E-04	3.82E-05	5.09E-05	1.68E-04	1.16E-05
7596	470303.35	3819600.3	0.00060754	2.55E-03	2.30E-04	5.06E-04	1.87E-03	1.65E-04	5.74E-05	3.28E-04	3.92E-05	5.22E-05	1.72E-04	1.19E-05
7597	470439.24	3819452.2	0.00057807	2.43E-03	2.19E-04	4.82E-04	1.78E-03	1.57E-04	5.46E-05	3.13E-04	3.73E-05	4.96E-05	1.64E-04	1.13E-05
7598	470439.33	3819442.55	0.00059334	2.49E-03	2.24E-04	4.94E-04	1.83E-03	1.61E-04	5.60E-05	3.21E-04	3.83E-05	5.09E-05	1.68E-04	1.16E-05
7599	470439.41	3819432.91	0.00060692	2.55E-03	2.30E-04	5.06E-04	1.87E-03	1.65E-04	5.73E-05	3.28E-04	3.91E-05	5.21E-05	1.72E-04	1.18E-05
7600	470439.49	3819423.26	0.00061847	2.60E-03	2.34E-04	5.15E-04	1.91E-03	1.68E-04	5.84E-05	3.34E-04	3.99E-05	5.31E-05	1.75E-04	1.21E-05
7601	470439.58	3819413.61	0.00062763	2.64E-03	2.37E-04	5.23E-04	1.94E-03	1.70E-04	5.93E-05	3.39E-04	4.05E-05	5.39E-05	1.78E-04	1.22E-05
7602	470439.66	3819403.96	0.00063423	2.66E-03	2.40E-04	5.28E-04	1.96E-03	1.72E-04	5.99E-05	3.43E-04	4.09E-05	5.44E-05	1.80E-04	1.24E-05
7603	470439.74	3819394.31	0.00063803	2.68E-03	2.41E-04	5.31E-04	1.97E-03	1.73E-04	6.03E-05	3.45E-04	4.12E-05	5.48E-05	1.81E-04	1.24E-05
7604	470439.82	3819384.66	0.00063888	2.68E-03	2.42E-04	5.32E-04	1.97E-03	1.73E-04	6.03E-05	3.45E-04	4.12E-05	5.48E-05	1.81E-04	1.25E-05
7605	470439.91	3819375.02	0.00063664	2.67E-03	2.41E-04	5.30E-04	1.96E-03	1.73E-04	6.01E-05	3.44E-04	4.11E-05	5.47E-05	1.80E-04	1.24E-05
7606	470439.99	3819365.37	0.00063139	2.65E-03	2.39E-04	5.26E-04	1.95E-03	1.71E-04	5.96E-05	3.41E-04	4.07E-05	5.42E-05	1.79E-04	1.23E-05
7607	470440.07	3819355.72	0.00062309	2.62E-03	2.36E-04	5.19E-04	1.92E-03	1.69E-04	5.88E-05	3.37E-04	4.02E-05	5.35E-05	1.76E-04	1.22E-05

7608	470440.15	3819346.07	0.00061182	2.57E-03	2.31E-04	5.10E-04	1.89E-03	1.66E-04	5.78E-05	3.31E-04	3.95E-05	5.25E-05	1.73E-04	1.19E-05
7609	470440.24	3819336.42	0.00059765	2.51E-03	2.26E-04	4.98E-04	1.84E-03	1.62E-04	5.64E-05	3.23E-04	3.85E-05	5.13E-05	1.69E-04	1.17E-05
7610	470440.32	3819326.78	0.00058088	2.44E-03	2.20E-04	4.84E-04	1.79E-03	1.58E-04	5.49E-05	3.14E-04	3.75E-05	4.99E-05	1.64E-04	1.13E-05
7611	470440.4	3819317.13	0.00056163	2.36E-03	2.12E-04	4.68E-04	1.73E-03	1.52E-04	5.30E-05	3.04E-04	3.62E-05	4.82E-05	1.59E-04	1.10E-05
7612	470440.49	3819307.48	0.00054013	2.27E-03	2.04E-04	4.50E-04	1.67E-03	1.47E-04	5.10E-05	2.92E-04	3.48E-05	4.64E-05	1.53E-04	1.05E-05
7613	470440.57	3819297.83	0.00051678	2.17E-03	1.95E-04	4.30E-04	1.59E-03	1.40E-04	4.88E-05	2.79E-04	3.33E-05	4.44E-05	1.46E-04	1.01E-05
7614	470440.65	3819288.18	0.00049188	2.07E-03	1.86E-04	4.10E-04	1.52E-03	1.34E-04	4.64E-05	2.66E-04	3.17E-05	4.22E-05	1.39E-04	9.60E-06
7615	470440.73	3819278.53	0.0004658	1.96E-03	1.76E-04	3.88E-04	1.44E-03	1.26E-04	4.40E-05	2.52E-04	3.00E-05	4.00E-05	1.32E-04	9.09E-06
7616	470440.82	3819268.89	0.00043894	1.84E-03	1.66E-04	3.66E-04	1.35E-03	1.19E-04	4.14E-05	2.37E-04	2.83E-05	3.77E-05	1.24E-04	8.56E-06
7617	470440.9	3819259.24	0.00041172	1.73E-03	1.56E-04	3.43E-04	1.27E-03	1.12E-04	3.89E-05	2.23E-04	2.66E-05	3.53E-05	1.17E-04	8.03E-06
7618	470440.98	3819249.59	0.00038453	1.61E-03	1.45E-04	3.20E-04	1.19E-03	1.04E-04	3.63E-05	2.08E-04	2.48E-05	3.30E-05	1.09E-04	7.50E-06
7619	470455.63	3819460.85	0.00050286	2.11E-03	1.90E-04	4.19E-04	1.55E-03	1.37E-04	4.75E-05	2.72E-04	3.24E-05	4.32E-05	1.42E-04	9.81E-06
7620	470452.02	3819469.33	0.00050213	2.11E-03	1.90E-04	4.18E-04	1.55E-03	1.36E-04	4.74E-05	2.71E-04	3.24E-05	4.31E-05	1.42E-04	9.80E-06
7621	470448.41	3819477.81	0.00049994	2.10E-03	1.89E-04	4.16E-04	1.54E-03	1.36E-04	4.72E-05	2.70E-04	3.22E-05	4.29E-05	1.42E-04	9.76E-06
7622	470444.8	3819486.28	0.00049641	2.08E-03	1.88E-04	4.13E-04	1.53E-03	1.35E-04	4.69E-05	2.68E-04	3.20E-05	4.26E-05	1.41E-04	9.69E-06
7623	470441.19	3819494.76	0.0004916	2.06E-03	1.86E-04	4.09E-04	1.52E-03	1.33E-04	4.64E-05	2.66E-04	3.17E-05	4.22E-05	1.39E-04	9.59E-06
7624	470437.58	3819503.24	0.00048553	2.04E-03	1.84E-04	4.04E-04	1.50E-03	1.32E-04	4.58E-05	2.62E-04	3.13E-05	4.17E-05	1.37E-04	9.47E-06
7625	470433.97	3819511.71	0.00047846	2.01E-03	1.81E-04	3.99E-04	1.48E-03	1.30E-04	4.52E-05	2.59E-04	3.09E-05	4.11E-05	1.35E-04	9.34E-06
7626	470430.36	3819520.19	0.0004705	1.98E-03	1.78E-04	3.92E-04	1.45E-03	1.28E-04	4.44E-05	2.54E-04	3.03E-05	4.04E-05	1.33E-04	9.18E-06
7627	470426.75	3819528.67	0.00046195	1.94E-03	1.75E-04	3.85E-04	1.43E-03	1.25E-04	4.36E-05	2.50E-04	2.98E-05	3.97E-05	1.31E-04	9.01E-06
7628	470423.14	3819537.15	0.00045308	1.90E-03	1.71E-04	3.77E-04	1.40E-03	1.23E-04	4.28E-05	2.45E-04	2.92E-05	3.89E-05	1.28E-04	8.84E-06
7629	470419.53	3819545.62	0.00044386	1.86E-03	1.68E-04	3.70E-04	1.37E-03	1.20E-04	4.19E-05	2.40E-04	2.86E-05	3.81E-05	1.26E-04	8.66E-06
7630	470415.92	3819554.1	0.00043438	1.82E-03	1.64E-04	3.62E-04	1.34E-03	1.18E-04	4.10E-05	2.35E-04	2.80E-05	3.73E-05	1.23E-04	8.48E-06
7631	470412.31	3819562.58	0.00042478	1.78E-03	1.61E-04	3.54E-04	1.31E-03	1.15E-04	4.01E-05	2.30E-04	2.74E-05	3.65E-05	1.20E-04	8.29E-06
7632	470408.7	3819571.06	0.00041516	1.74E-03	1.57E-04	3.46E-04	1.28E-03	1.13E-04	3.92E-05	2.24E-04	2.68E-05	3.56E-05	1.18E-04	8.10E-06
7633	470396.53	3819582.95	0.00041567	1.75E-03	1.57E-04	3.46E-04	1.28E-03	1.13E-04	3.93E-05	2.25E-04	2.68E-05	3.57E-05	1.18E-04	8.11E-06
7634	470387.98	3819586.37	0.00042592	1.79E-03	1.61E-04	3.55E-04	1.31E-03	1.16E-04	4.02E-05	2.30E-04	2.75E-05	3.66E-05	1.21E-04	8.31E-06
7635	470379.42	3819589.79	0.00043643	1.83E-03	1.65E-04	3.64E-04	1.35E-03	1.18E-04	4.12E-05	2.36E-04	2.81E-05	3.75E-05	1.24E-04	8.52E-06
7636	470370.86	3819593.21	0.00044722	1.88E-03	1.69E-04	3.73E-04	1.38E-03	1.21E-04	4.22E-05	2.42E-04	2.88E-05	3.84E-05	1.27E-04	8.73E-06
7637	470362.31	3819596.63	0.00045827	1.92E-03	1.73E-04	3.82E-04	1.41E-03	1.24E-04	4.33E-05	2.48E-04	2.96E-05	3.93E-05	1.30E-04	8.94E-06
7638	470353.75	3819600.04	0.00046966	1.97E-03	1.78E-04	3.91E-04	1.45E-03	1.27E-04	4.44E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.16E-06
7639	470345.2	3819603.46	0.00048127	2.02E-03	1.82E-04	4.01E-04	1.49E-03	1.31E-04	4.54E-05	2.60E-04	3.10E-05	4.13E-05	1.36E-04	9.39E-06
7640	470336.64	3819606.88	0.00049313	2.07E-03	1.87E-04	4.11E-04	1.52E-03	1.34E-04	4.66E-05	2.67E-04	3.18E-05	4.23E-05	1.40E-04	9.62E-06
7641	470328.08	3819610.3	0.00050512	2.12E-03	1.91E-04	4.21E-04	1.56E-03	1.37E-04	4.77E-05	2.73E-04	3.26E-05	4.34E-05	1.43E-04	9.86E-06
7642	470319.53	3819613.72	0.00051712	2.17E-03	1.96E-04	4.31E-04	1.60E-03	1.40E-04	4.88E-05	2.80E-04	3.34E-05	4.44E-05	1.46E-04	1.01E-05
7643	470310.97	3819617.14	0.00052907	2.22E-03	2.00E-04	4.41E-04	1.63E-03	1.44E-04	5.00E-05	2.86E-04	3.41E-05	4.54E-05	1.50E-04	1.03E-05
7644	470302.41	3819620.56	0.00054089	2.27E-03	2.05E-04	4.51E-04	1.67E-03	1.47E-04	5.11E-05	2.92E-04	3.49E-05	4.64E-05	1.53E-04	1.06E-05
7645	470459.24	3819452.37	0.00050205	2.11E-03	1.90E-04	4.18E-04	1.55E-03	1.36E-04	4.74E-05	2.71E-04	3.24E-05	4.31E-05	1.42E-04	9.80E-06
7646	470459.33	3819442.73	0.00051334	2.16E-03	1.94E-04	4.28E-04	1.58E-03	1.39E-04	4.85E-05	2.78E-04	3.31E-05	4.41E-05	1.45E-04	1.00E-05
7647	470459.41	3819433.08	0.00052327	2.20E-03	1.98E-04	4.36E-04	1.61E-03	1.42E-04	4.94E-05	2.83E-04	3.38E-05	4.49E-05	1.48E-04	1.02E-05
7648	470459.49	3819423.43	0.00053154	2.23E-03	2.01E-04	4.43E-04	1.64E-03	1.44E-04	5.02E-05	2.87E-04	3.43E-05	4.56E-05	1.50E-04	1.04E-05
7649	470459.57	3819413.78	0.00053796	2.26E-03	2.03E-04	4.48E-04	1.66E-03	1.46E-04	5.08E-05	2.91E-04	3.47E-05	4.62E-05	1.52E-04	1.05E-05
7650	470459.66	3819404.13	0.00054229	2.28E-03	2.05E-04	4.52E-04	1.67E-03	1.47E-04	5.12E-05	2.93E-04	3.50E-05	4.66E-05	1.54E-04	1.06E-05

7651	470459.74	3819394.48	0.00054447	2.29E-03	2.06E-04	4.54E-04	1.68E-03	1.48E-04	5.14E-05	2.94E-04	3.51E-05	4.67E-05	1.54E-04	1.06E-05
7652	470459.82	3819384.84	0.00054437	2.29E-03	2.06E-04	4.53E-04	1.68E-03	1.48E-04	5.14E-05	2.94E-04	3.51E-05	4.67E-05	1.54E-04	1.06E-05
7653	470459.91	3819375.19	0.00054186	2.28E-03	2.05E-04	4.51E-04	1.67E-03	1.47E-04	5.12E-05	2.93E-04	3.50E-05	4.65E-05	1.53E-04	1.06E-05
7654	470459.99	3819365.54	0.00053701	2.26E-03	2.03E-04	4.47E-04	1.66E-03	1.46E-04	5.07E-05	2.90E-04	3.46E-05	4.61E-05	1.52E-04	1.05E-05
7655	470460.07	3819355.89	0.00052979	2.22E-03	2.00E-04	4.41E-04	1.63E-03	1.44E-04	5.00E-05	2.86E-04	3.42E-05	4.55E-05	1.50E-04	1.03E-05
7656	470460.15	3819346.24	0.00052026	2.18E-03	1.97E-04	4.33E-04	1.61E-03	1.41E-04	4.91E-05	2.81E-04	3.36E-05	4.47E-05	1.47E-04	1.02E-05
7657	470460.24	3819336.6	0.00050849	2.14E-03	1.92E-04	4.24E-04	1.57E-03	1.38E-04	4.80E-05	2.75E-04	3.28E-05	4.37E-05	1.44E-04	9.92E-06
7658	470460.32	3819326.95	0.00049466	2.08E-03	1.87E-04	4.12E-04	1.53E-03	1.34E-04	4.67E-05	2.67E-04	3.19E-05	4.25E-05	1.40E-04	9.65E-06
7659	470460.4	3819317.3	0.00047892	2.01E-03	1.81E-04	3.99E-04	1.48E-03	1.30E-04	4.52E-05	2.59E-04	3.09E-05	4.11E-05	1.36E-04	9.34E-06
7660	470460.48	3819307.65	0.00046148	1.94E-03	1.75E-04	3.84E-04	1.42E-03	1.25E-04	4.36E-05	2.49E-04	2.98E-05	3.96E-05	1.31E-04	9.00E-06
7661	470460.57	3819298	0.00044253	1.86E-03	1.67E-04	3.69E-04	1.37E-03	1.20E-04	4.18E-05	2.39E-04	2.85E-05	3.80E-05	1.25E-04	8.63E-06
7662	470460.65	3819288.35	0.00042241	1.77E-03	1.60E-04	3.52E-04	1.30E-03	1.15E-04	3.99E-05	2.28E-04	2.72E-05	3.63E-05	1.20E-04	8.24E-06
7663	470460.73	3819278.71	0.00040139	1.69E-03	1.52E-04	3.34E-04	1.24E-03	1.09E-04	3.79E-05	2.17E-04	2.59E-05	3.45E-05	1.14E-04	7.83E-06
7664	470460.82	3819269.06	0.0003797	1.59E-03	1.44E-04	3.16E-04	1.17E-03	1.03E-04	3.59E-05	2.05E-04	2.45E-05	3.26E-05	1.07E-04	7.41E-06
7665	470460.9	3819259.41	0.00035771	1.50E-03	1.35E-04	2.98E-04	1.10E-03	9.71E-05	3.38E-05	1.93E-04	2.31E-05	3.07E-05	1.01E-04	6.98E-06
7666	470460.98	3819249.76	0.0003357	1.41E-03	1.27E-04	2.80E-04	1.04E-03	9.11E-05	3.17E-05	1.81E-04	2.17E-05	2.88E-05	9.50E-05	6.55E-06
7667	470475.48	3819461.38	0.00044107	1.85E-03	1.67E-04	3.67E-04	1.36E-03	1.20E-04	4.17E-05	2.38E-04	2.84E-05	3.79E-05	1.25E-04	8.61E-06
7668	470471.72	3819470.21	0.00044129	1.85E-03	1.67E-04	3.68E-04	1.36E-03	1.20E-04	4.17E-05	2.39E-04	2.85E-05	3.79E-05	1.25E-04	8.61E-06
7669	470467.96	3819479.04	0.00044022	1.85E-03	1.66E-04	3.67E-04	1.36E-03	1.20E-04	4.16E-05	2.38E-04	2.84E-05	3.78E-05	1.25E-04	8.59E-06
7670	470464.2	3819487.87	0.00043792	1.84E-03	1.66E-04	3.65E-04	1.35E-03	1.19E-04	4.14E-05	2.37E-04	2.82E-05	3.76E-05	1.24E-04	8.55E-06
7671	470460.44	3819496.7	0.00043451	1.82E-03	1.64E-04	3.62E-04	1.34E-03	1.18E-04	4.10E-05	2.35E-04	2.80E-05	3.73E-05	1.23E-04	8.48E-06
7672	470456.68	3819505.53	0.00042995	1.81E-03	1.63E-04	3.58E-04	1.33E-03	1.17E-04	4.06E-05	2.32E-04	2.77E-05	3.69E-05	1.22E-04	8.39E-06
7673	470452.92	3819514.36	0.00042447	1.78E-03	1.61E-04	3.54E-04	1.31E-03	1.15E-04	4.01E-05	2.29E-04	2.74E-05	3.64E-05	1.20E-04	8.28E-06
7674	470449.16	3819523.19	0.00041817	1.76E-03	1.58E-04	3.48E-04	1.29E-03	1.14E-04	3.95E-05	2.26E-04	2.70E-05	3.59E-05	1.18E-04	8.16E-06
7675	470445.4	3819532.02	0.00041137	1.73E-03	1.56E-04	3.43E-04	1.27E-03	1.12E-04	3.88E-05	2.22E-04	2.65E-05	3.53E-05	1.16E-04	8.03E-06
7676	470441.64	3819540.85	0.00040412	1.70E-03	1.53E-04	3.37E-04	1.25E-03	1.10E-04	3.82E-05	2.18E-04	2.61E-05	3.47E-05	1.14E-04	7.89E-06
7677	470437.88	3819549.68	0.00039647	1.67E-03	1.50E-04	3.30E-04	1.22E-03	1.08E-04	3.74E-05	2.14E-04	2.56E-05	3.40E-05	1.12E-04	7.74E-06
7678	470434.11	3819558.51	0.00038855	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.05E-04	3.67E-05	2.10E-04	2.51E-05	3.34E-05	1.10E-04	7.58E-06
7679	470430.35	3819567.34	0.00038043	1.60E-03	1.44E-04	3.17E-04	1.17E-03	1.03E-04	3.59E-05	2.06E-04	2.45E-05	3.27E-05	1.08E-04	7.42E-06
7680	470426.59	3819576.17	0.00037223	1.56E-03	1.41E-04	3.10E-04	1.15E-03	1.01E-04	3.52E-05	2.01E-04	2.40E-05	3.20E-05	1.05E-04	7.26E-06
7681	470422.83	3819585	0.00036401	1.53E-03	1.38E-04	3.03E-04	1.12E-03	9.88E-05	3.44E-05	1.97E-04	2.35E-05	3.12E-05	1.03E-04	7.10E-06
7682	470410.16	3819597.39	0.00036439	1.53E-03	1.38E-04	3.04E-04	1.12E-03	9.89E-05	3.44E-05	1.97E-04	2.35E-05	3.13E-05	1.03E-04	7.11E-06
7683	470401.25	3819600.96	0.00037311	1.57E-03	1.41E-04	3.11E-04	1.15E-03	1.01E-04	3.52E-05	2.02E-04	2.41E-05	3.20E-05	1.06E-04	7.28E-06
7684	470392.33	3819604.52	0.00038207	1.60E-03	1.45E-04	3.18E-04	1.18E-03	1.04E-04	3.61E-05	2.07E-04	2.46E-05	3.28E-05	1.08E-04	7.46E-06
7685	470383.42	3819608.08	0.00039128	1.64E-03	1.48E-04	3.26E-04	1.21E-03	1.06E-04	3.69E-05	2.12E-04	2.52E-05	3.36E-05	1.11E-04	7.64E-06
7686	470374.51	3819611.64	0.00040075	1.68E-03	1.52E-04	3.34E-04	1.24E-03	1.09E-04	3.78E-05	2.17E-04	2.58E-05	3.44E-05	1.13E-04	7.82E-06
7687	470365.59	3819615.2	0.00041052	1.72E-03	1.55E-04	3.42E-04	1.27E-03	1.11E-04	3.88E-05	2.22E-04	2.65E-05	3.52E-05	1.16E-04	8.01E-06
7688	470356.68	3819618.76	0.00042054	1.77E-03	1.59E-04	3.50E-04	1.30E-03	1.14E-04	3.97E-05	2.27E-04	2.71E-05	3.61E-05	1.19E-04	8.21E-06
7689	470347.77	3819622.32	0.0004308	1.81E-03	1.63E-04	3.59E-04	1.33E-03	1.17E-04	4.07E-05	2.33E-04	2.78E-05	3.70E-05	1.22E-04	8.41E-06
7690	470338.86	3819625.88	0.00044125	1.85E-03	1.67E-04	3.68E-04	1.36E-03	1.20E-04	4.17E-05	2.39E-04	2.85E-05	3.79E-05	1.25E-04	8.61E-06
7691	470329.94	3819629.44	0.00045182	1.90E-03	1.71E-04	3.76E-04	1.39E-03	1.23E-04	4.27E-05	2.44E-04	2.91E-05	3.88E-05	1.28E-04	8.82E-06
7692	470321.03	3819633.01	0.00046234	1.94E-03	1.75E-04	3.85E-04	1.43E-03	1.26E-04	4.37E-05	2.50E-04	2.98E-05	3.97E-05	1.31E-04	9.02E-06
7693	470312.12	3819636.57	0.00047305	1.99E-03	1.79E-04	3.94E-04	1.46E-03	1.28E-04	4.47E-05	2.56E-04	3.05E-05	4.06E-05	1.34E-04	9.23E-06

7694	470303.2	3819640.13	0.00048363	2.03E-03	1.83E-04	4.03E-04	1.49E-03	1.31E-04	4.57E-05	2.61E-04	3.12E-05	4.15E-05	1.37E-04	9.44E-06
7695	470479.24	3819452.54	0.00043954	1.85E-03	1.66E-04	3.66E-04	1.36E-03	1.19E-04	4.15E-05	2.38E-04	2.84E-05	3.77E-05	1.24E-04	8.58E-06
7696	470479.33	3819442.9	0.00044799	1.88E-03	1.69E-04	3.73E-04	1.38E-03	1.22E-04	4.23E-05	2.42E-04	2.89E-05	3.85E-05	1.27E-04	8.74E-06
7697	470479.41	3819433.25	0.0004553	1.91E-03	1.72E-04	3.79E-04	1.41E-03	1.24E-04	4.30E-05	2.46E-04	2.94E-05	3.91E-05	1.29E-04	8.88E-06
7698	470479.49	3819423.6	0.00046127	1.94E-03	1.74E-04	3.84E-04	1.42E-03	1.25E-04	4.36E-05	2.49E-04	2.98E-05	3.96E-05	1.31E-04	9.00E-06
7699	470479.57	3819413.95	0.00046575	1.96E-03	1.76E-04	3.88E-04	1.44E-03	1.26E-04	4.40E-05	2.52E-04	3.00E-05	4.00E-05	1.32E-04	9.09E-06
7700	470479.66	3819404.3	0.00046857	1.97E-03	1.77E-04	3.90E-04	1.45E-03	1.27E-04	4.42E-05	2.53E-04	3.02E-05	4.02E-05	1.33E-04	9.14E-06
7701	470479.74	3819394.66	0.00046968	1.97E-03	1.78E-04	3.91E-04	1.45E-03	1.28E-04	4.44E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.16E-06
7702	470479.82	3819385.01	0.000469	1.97E-03	1.77E-04	3.91E-04	1.45E-03	1.27E-04	4.43E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.15E-06
7703	470479.9	3819375.36	0.00046646	1.96E-03	1.76E-04	3.89E-04	1.44E-03	1.27E-04	4.40E-05	2.52E-04	3.01E-05	4.00E-05	1.32E-04	9.10E-06
7704	470479.99	3819365.71	0.000462	1.94E-03	1.75E-04	3.85E-04	1.43E-03	1.25E-04	4.36E-05	2.50E-04	2.98E-05	3.97E-05	1.31E-04	9.01E-06
7705	470480.07	3819356.06	0.00045571	1.91E-03	1.72E-04	3.80E-04	1.41E-03	1.24E-04	4.30E-05	2.46E-04	2.94E-05	3.91E-05	1.29E-04	8.89E-06
7706	470480.15	3819346.41	0.00044761	1.88E-03	1.69E-04	3.73E-04	1.38E-03	1.22E-04	4.23E-05	2.42E-04	2.89E-05	3.84E-05	1.27E-04	8.73E-06
7707	470480.24	3819336.77	0.00043775	1.84E-03	1.66E-04	3.65E-04	1.35E-03	1.19E-04	4.13E-05	2.37E-04	2.82E-05	3.76E-05	1.24E-04	8.54E-06
7708	470480.32	3819327.12	0.00042626	1.79E-03	1.61E-04	3.55E-04	1.32E-03	1.16E-04	4.03E-05	2.30E-04	2.75E-05	3.66E-05	1.21E-04	8.32E-06
7709	470480.4	3819317.47	0.00041328	1.74E-03	1.56E-04	3.44E-04	1.28E-03	1.12E-04	3.90E-05	2.23E-04	2.67E-05	3.55E-05	1.17E-04	8.06E-06
7710	470480.48	3819307.82	0.00039895	1.68E-03	1.51E-04	3.32E-04	1.23E-03	1.08E-04	3.77E-05	2.16E-04	2.57E-05	3.42E-05	1.13E-04	7.78E-06
7711	470480.57	3819298.17	0.00038344	1.61E-03	1.45E-04	3.19E-04	1.18E-03	1.04E-04	3.62E-05	2.07E-04	2.47E-05	3.29E-05	1.09E-04	7.48E-06
7712	470480.65	3819288.53	0.00036701	1.54E-03	1.39E-04	3.06E-04	1.13E-03	9.96E-05	3.47E-05	1.98E-04	2.37E-05	3.15E-05	1.04E-04	7.16E-06
7713	470480.73	3819278.88	0.00034981	1.47E-03	1.32E-04	2.91E-04	1.08E-03	9.50E-05	3.30E-05	1.89E-04	2.26E-05	3.00E-05	9.90E-05	6.83E-06
7714	470480.81	3819269.23	0.0003321	1.39E-03	1.26E-04	2.77E-04	1.02E-03	9.02E-05	3.14E-05	1.80E-04	2.14E-05	2.85E-05	9.40E-05	6.48E-06
7715	470480.9	3819259.58	0.00031408	1.32E-03	1.19E-04	2.62E-04	9.69E-04	8.53E-05	2.97E-05	1.70E-04	2.03E-05	2.70E-05	8.89E-05	6.13E-06
7716	470480.98	3819249.93	0.000296	1.24E-03	1.12E-04	2.47E-04	9.13E-04	8.03E-05	2.80E-05	1.60E-04	1.91E-05	2.54E-05	8.38E-05	5.78E-06
7717	470495.56	3819461.35	0.00038942	1.64E-03	1.47E-04	3.24E-04	1.20E-03	1.06E-04	3.68E-05	2.11E-04	2.51E-05	3.34E-05	1.10E-04	7.60E-06
7718	470491.89	3819469.98	0.00039031	1.64E-03	1.48E-04	3.25E-04	1.20E-03	1.06E-04	3.69E-05	2.11E-04	2.52E-05	3.35E-05	1.10E-04	7.62E-06
7719	470488.21	3819478.62	0.00039021	1.64E-03	1.48E-04	3.25E-04	1.20E-03	1.06E-04	3.68E-05	2.11E-04	2.52E-05	3.35E-05	1.10E-04	7.61E-06
7720	470484.53	3819487.25	0.00038918	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.06E-04	3.68E-05	2.10E-04	2.51E-05	3.34E-05	1.10E-04	7.59E-06
7721	470480.86	3819495.89	0.00038722	1.63E-03	1.46E-04	3.23E-04	1.19E-03	1.05E-04	3.66E-05	2.09E-04	2.50E-05	3.32E-05	1.10E-04	7.56E-06
7722	470477.18	3819504.52	0.00038439	1.61E-03	1.45E-04	3.20E-04	1.19E-03	1.04E-04	3.63E-05	2.08E-04	2.48E-05	3.30E-05	1.09E-04	7.50E-06
7723	470473.5	3819513.16	0.00038075	1.60E-03	1.44E-04	3.17E-04	1.17E-03	1.03E-04	3.60E-05	2.06E-04	2.46E-05	3.27E-05	1.08E-04	7.43E-06
7724	470469.83	3819521.79	0.00037638	1.58E-03	1.42E-04	3.14E-04	1.16E-03	1.02E-04	3.55E-05	2.03E-04	2.43E-05	3.23E-05	1.07E-04	7.34E-06
7725	470466.15	3819530.42	0.00037148	1.56E-03	1.40E-04	3.09E-04	1.15E-03	1.01E-04	3.51E-05	2.01E-04	2.40E-05	3.19E-05	1.05E-04	7.25E-06
7726	470462.47	3819539.06	0.00036614	1.54E-03	1.38E-04	3.05E-04	1.13E-03	9.94E-05	3.46E-05	1.98E-04	2.36E-05	3.14E-05	1.04E-04	7.14E-06
7727	470458.79	3819547.69	0.00036039	1.51E-03	1.36E-04	3.00E-04	1.11E-03	9.78E-05	3.40E-05	1.95E-04	2.32E-05	3.09E-05	1.02E-04	7.03E-06
7728	470455.12	3819556.33	0.00035429	1.49E-03	1.34E-04	2.95E-04	1.09E-03	9.62E-05	3.35E-05	1.92E-04	2.29E-05	3.04E-05	1.00E-04	6.91E-06
7729	470451.44	3819564.96	0.00034797	1.46E-03	1.32E-04	2.90E-04	1.07E-03	9.45E-05	3.29E-05	1.88E-04	2.24E-05	2.99E-05	9.85E-05	6.79E-06
7730	470447.76	3819573.6	0.00034145	1.43E-03	1.29E-04	2.84E-04	1.05E-03	9.27E-05	3.22E-05	1.85E-04	2.20E-05	2.93E-05	9.66E-05	6.66E-06
7731	470444.09	3819582.23	0.00033482	1.41E-03	1.27E-04	2.79E-04	1.03E-03	9.09E-05	3.16E-05	1.81E-04	2.16E-05	2.87E-05	9.48E-05	6.53E-06
7732	470440.41	3819590.86	0.00032816	1.38E-03	1.24E-04	2.73E-04	1.01E-03	8.91E-05	3.10E-05	1.77E-04	2.12E-05	2.82E-05	9.29E-05	6.40E-06
7733	470436.73	3819599.5	0.00032148	1.35E-03	1.22E-04	2.68E-04	9.92E-04	8.73E-05	3.04E-05	1.74E-04	2.07E-05	2.76E-05	9.10E-05	6.27E-06
7734	470424.34	3819611.62	0.00032176	1.35E-03	1.22E-04	2.68E-04	9.93E-04	8.73E-05	3.04E-05	1.74E-04	2.08E-05	2.76E-05	9.11E-05	6.28E-06
7735	470415.62	3819615.1	0.00032883	1.38E-03	1.24E-04	2.74E-04	1.01E-03	8.93E-05	3.11E-05	1.78E-04	2.12E-05	2.82E-05	9.31E-05	6.42E-06
7736	470406.91	3819618.58	0.00033605	1.41E-03	1.27E-04	2.80E-04	1.04E-03	9.12E-05	3.17E-05	1.82E-04	2.17E-05	2.88E-05	9.51E-05	6.56E-06

7737	470398.19	3819622.06	0.00034348	1.44E-03	1.30E-04	2.86E-04	1.06E-03	9.32E-05	3.24E-05	1.86E-04	2.22E-05	2.95E-05	9.72E-05	6.70E-06
7738	470389.48	3819625.54	0.00035112	1.47E-03	1.33E-04	2.92E-04	1.08E-03	9.53E-05	3.32E-05	1.90E-04	2.26E-05	3.01E-05	9.94E-05	6.85E-06
7739	470380.77	3819629.03	0.00035898	1.51E-03	1.36E-04	2.99E-04	1.11E-03	9.74E-05	3.39E-05	1.94E-04	2.32E-05	3.08E-05	1.02E-04	7.00E-06
7740	470372.05	3819632.51	0.00036709	1.54E-03	1.39E-04	3.06E-04	1.13E-03	9.97E-05	3.47E-05	1.98E-04	2.37E-05	3.15E-05	1.04E-04	7.16E-06
7741	470363.34	3819635.99	0.00037543	1.58E-03	1.42E-04	3.13E-04	1.16E-03	1.02E-04	3.55E-05	2.03E-04	2.42E-05	3.22E-05	1.06E-04	7.33E-06
7742	470354.62	3819639.47	0.00038398	1.61E-03	1.45E-04	3.20E-04	1.18E-03	1.04E-04	3.63E-05	2.08E-04	2.48E-05	3.30E-05	1.09E-04	7.49E-06
7743	470345.91	3819642.95	0.00039267	1.65E-03	1.49E-04	3.27E-04	1.21E-03	1.07E-04	3.71E-05	2.12E-04	2.53E-05	3.37E-05	1.11E-04	7.66E-06
7744	470337.19	3819646.43	0.00040148	1.69E-03	1.52E-04	3.34E-04	1.24E-03	1.09E-04	3.79E-05	2.17E-04	2.59E-05	3.45E-05	1.14E-04	7.83E-06
7745	470328.48	3819649.92	0.00041028	1.72E-03	1.55E-04	3.42E-04	1.27E-03	1.11E-04	3.87E-05	2.22E-04	2.65E-05	3.52E-05	1.16E-04	8.01E-06
7746	470319.76	3819653.4	0.00041907	1.76E-03	1.58E-04	3.49E-04	1.29E-03	1.14E-04	3.96E-05	2.27E-04	2.70E-05	3.60E-05	1.19E-04	8.18E-06
7747	470311.05	3819656.88	0.00042802	1.80E-03	1.62E-04	3.57E-04	1.32E-03	1.16E-04	4.04E-05	2.31E-04	2.76E-05	3.67E-05	1.21E-04	8.35E-06
7748	470302.33	3819660.36	0.00043669	1.83E-03	1.65E-04	3.64E-04	1.35E-03	1.19E-04	4.12E-05	2.36E-04	2.82E-05	3.75E-05	1.24E-04	8.52E-06
7749	470499.24	3819452.72	0.00038751	1.63E-03	1.47E-04	3.23E-04	1.20E-03	1.05E-04	3.66E-05	2.09E-04	2.50E-05	3.33E-05	1.10E-04	7.56E-06
7750	470499.32	3819443.07	0.00039392	1.65E-03	1.49E-04	3.28E-04	1.22E-03	1.07E-04	3.72E-05	2.13E-04	2.54E-05	3.38E-05	1.12E-04	7.69E-06
7751	470499.41	3819433.42	0.00039933	1.68E-03	1.51E-04	3.33E-04	1.23E-03	1.08E-04	3.77E-05	2.16E-04	2.58E-05	3.43E-05	1.13E-04	7.79E-06
7752	470499.49	3819423.77	0.00040365	1.70E-03	1.53E-04	3.36E-04	1.25E-03	1.10E-04	3.81E-05	2.18E-04	2.60E-05	3.47E-05	1.14E-04	7.88E-06
7753	470499.57	3819414.12	0.00040676	1.71E-03	1.54E-04	3.39E-04	1.26E-03	1.10E-04	3.84E-05	2.20E-04	2.62E-05	3.49E-05	1.15E-04	7.94E-06
7754	470499.66	3819404.48	0.00040854	1.72E-03	1.55E-04	3.40E-04	1.26E-03	1.11E-04	3.86E-05	2.21E-04	2.64E-05	3.51E-05	1.16E-04	7.97E-06
7755	470499.74	3819394.83	0.00040896	1.72E-03	1.55E-04	3.41E-04	1.26E-03	1.11E-04	3.86E-05	2.21E-04	2.64E-05	3.51E-05	1.16E-04	7.98E-06
7756	470499.82	3819385.18	0.00040793	1.71E-03	1.54E-04	3.40E-04	1.26E-03	1.11E-04	3.85E-05	2.21E-04	2.63E-05	3.50E-05	1.15E-04	7.96E-06
7757	470499.9	3819375.53	0.00040542	1.70E-03	1.53E-04	3.38E-04	1.25E-03	1.10E-04	3.83E-05	2.19E-04	2.62E-05	3.48E-05	1.15E-04	7.91E-06
7758	470499.99	3819365.88	0.0004014	1.69E-03	1.52E-04	3.34E-04	1.24E-03	1.09E-04	3.79E-05	2.17E-04	2.59E-05	3.45E-05	1.14E-04	7.83E-06
7759	470500.07	3819356.23	0.00039592	1.66E-03	1.50E-04	3.30E-04	1.22E-03	1.07E-04	3.74E-05	2.14E-04	2.55E-05	3.40E-05	1.12E-04	7.73E-06
7760	470500.15	3819346.59	0.000389	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.06E-04	3.67E-05	2.10E-04	2.51E-05	3.34E-05	1.10E-04	7.59E-06
7761	470500.23	3819336.94	0.00038069	1.60E-03	1.44E-04	3.17E-04	1.17E-03	1.03E-04	3.59E-05	2.06E-04	2.46E-05	3.27E-05	1.08E-04	7.43E-06
7762	470500.32	3819327.29	0.00037106	1.56E-03	1.40E-04	3.09E-04	1.15E-03	1.01E-04	3.50E-05	2.01E-04	2.39E-05	3.19E-05	1.05E-04	7.24E-06
7763	470500.4	3819317.64	0.00036025	1.51E-03	1.36E-04	3.00E-04	1.11E-03	9.78E-05	3.40E-05	1.95E-04	2.32E-05	3.09E-05	1.02E-04	7.03E-06
7764	470515.63	3819461.37	0.0003461	1.45E-03	1.31E-04	2.88E-04	1.07E-03	9.40E-05	3.27E-05	1.87E-04	2.23E-05	2.97E-05	9.80E-05	6.75E-06
7765	470512.02	3819469.84	0.00034735	1.46E-03	1.31E-04	2.89E-04	1.07E-03	9.43E-05	3.28E-05	1.88E-04	2.24E-05	2.98E-05	9.83E-05	6.78E-06
7766	470508.41	3819478.32	0.00034782	1.46E-03	1.32E-04	2.90E-04	1.07E-03	9.44E-05	3.28E-05	1.88E-04	2.24E-05	2.99E-05	9.85E-05	6.79E-06
7767	470504.8	3819486.8	0.00034753	1.46E-03	1.31E-04	2.89E-04	1.07E-03	9.43E-05	3.28E-05	1.88E-04	2.24E-05	2.98E-05	9.84E-05	6.78E-06
7768	470501.19	3819495.27	0.00034652	1.46E-03	1.31E-04	2.89E-04	1.07E-03	9.41E-05	3.27E-05	1.87E-04	2.24E-05	2.97E-05	9.81E-05	6.76E-06
7769	470497.58	3819503.75	0.00034485	1.45E-03	1.30E-04	2.87E-04	1.06E-03	9.36E-05	3.26E-05	1.86E-04	2.22E-05	2.96E-05	9.76E-05	6.73E-06
7770	470493.97	3819512.23	0.00034253	1.44E-03	1.30E-04	2.85E-04	1.06E-03	9.30E-05	3.23E-05	1.85E-04	2.21E-05	2.94E-05	9.70E-05	6.68E-06
7771	470490.36	3819520.71	0.0003396	1.43E-03	1.28E-04	2.83E-04	1.05E-03	9.22E-05	3.21E-05	1.84E-04	2.19E-05	2.92E-05	9.61E-05	6.63E-06
7772	470486.75	3819529.18	0.00033616	1.41E-03	1.27E-04	2.80E-04	1.04E-03	9.13E-05	3.17E-05	1.82E-04	2.17E-05	2.89E-05	9.52E-05	6.56E-06
7773	470483.14	3819537.66	0.00033226	1.40E-03	1.26E-04	2.77E-04	1.03E-03	9.02E-05	3.14E-05	1.80E-04	2.14E-05	2.85E-05	9.40E-05	6.48E-06
7774	470479.53	3819546.14	0.00032797	1.38E-03	1.24E-04	2.73E-04	1.01E-03	8.90E-05	3.10E-05	1.77E-04	2.12E-05	2.82E-05	9.28E-05	6.40E-06
7775	470475.92	3819554.62	0.00032335	1.36E-03	1.22E-04	2.69E-04	9.98E-04	8.78E-05	3.05E-05	1.75E-04	2.09E-05	2.78E-05	9.15E-05	6.31E-06
7776	470472.31	3819563.09	0.00031845	1.34E-03	1.20E-04	2.65E-04	9.83E-04	8.65E-05	3.01E-05	1.72E-04	2.05E-05	2.73E-05	9.01E-05	6.21E-06
7777	470468.7	3819571.57	0.00031333	1.32E-03	1.19E-04	2.61E-04	9.67E-04	8.51E-05	2.96E-05	1.69E-04	2.02E-05	2.69E-05	8.87E-05	6.11E-06
7778	470465.09	3819580.05	0.00030804	1.29E-03	1.17E-04	2.57E-04	9.51E-04	8.36E-05	2.91E-05	1.67E-04	1.99E-05	2.64E-05	8.72E-05	6.01E-06
7779	470461.48	3819588.52	0.00030264	1.27E-03	1.14E-04	2.52E-04	9.34E-04	8.22E-05	2.86E-05	1.64E-04	1.95E-05	2.60E-05	8.57E-05	5.91E-06

7780	470457.87	3819597	0.00029715	1.25E-03	1.12E-04	2.48E-04	9.17E-04	8.07E-05	2.81E-05	1.61E-04	1.92E-05	2.55E-05	8.41E-05	5.80E-06
7781	470454.26	3819605.48	0.00029164	1.22E-03	1.10E-04	2.43E-04	9.00E-04	7.92E-05	2.75E-05	1.58E-04	1.88E-05	2.50E-05	8.26E-05	5.69E-06
7782	470450.65	3819613.96	0.00028613	1.20E-03	1.08E-04	2.38E-04	8.83E-04	7.77E-05	2.70E-05	1.55E-04	1.85E-05	2.46E-05	8.10E-05	5.58E-06
7783	470438.48	3819625.85	0.00028636	1.20E-03	1.08E-04	2.39E-04	8.84E-04	7.77E-05	2.70E-05	1.55E-04	1.85E-05	2.46E-05	8.11E-05	5.59E-06
7784	470429.92	3819629.27	0.00029216	1.23E-03	1.10E-04	2.43E-04	9.02E-04	7.93E-05	2.76E-05	1.58E-04	1.88E-05	2.51E-05	8.27E-05	5.70E-06
7785	470421.37	3819632.69	0.00029808	1.25E-03	1.13E-04	2.48E-04	9.20E-04	8.09E-05	2.81E-05	1.61E-04	1.92E-05	2.56E-05	8.44E-05	5.82E-06
7786	470412.81	3819636.11	0.00030416	1.28E-03	1.15E-04	2.53E-04	9.39E-04	8.26E-05	2.87E-05	1.64E-04	1.96E-05	2.61E-05	8.61E-05	5.93E-06
7787	470404.25	3819639.53	0.00031042	1.30E-03	1.17E-04	2.59E-04	9.58E-04	8.43E-05	2.93E-05	1.68E-04	2.00E-05	2.66E-05	8.79E-05	6.06E-06
7788	470395.7	3819642.95	0.00031686	1.33E-03	1.20E-04	2.64E-04	9.78E-04	8.60E-05	2.99E-05	1.71E-04	2.04E-05	2.72E-05	8.97E-05	6.18E-06
7789	470387.14	3819646.36	0.00032353	1.36E-03	1.22E-04	2.69E-04	9.98E-04	8.78E-05	3.06E-05	1.75E-04	2.09E-05	2.78E-05	9.16E-05	6.31E-06
7790	470378.59	3819649.78	0.00033037	1.39E-03	1.25E-04	2.75E-04	1.02E-03	8.97E-05	3.12E-05	1.79E-04	2.13E-05	2.84E-05	9.35E-05	6.45E-06
7791	470370.03	3819653.2	0.00033741	1.42E-03	1.28E-04	2.81E-04	1.04E-03	9.16E-05	3.19E-05	1.82E-04	2.18E-05	2.90E-05	9.55E-05	6.58E-06
7792	470361.47	3819656.62	0.00034463	1.45E-03	1.30E-04	2.87E-04	1.06E-03	9.36E-05	3.25E-05	1.86E-04	2.22E-05	2.96E-05	9.76E-05	6.72E-06
7793	470352.92	3819660.04	0.00035197	1.48E-03	1.33E-04	2.93E-04	1.09E-03	9.55E-05	3.32E-05	1.90E-04	2.27E-05	3.02E-05	9.96E-05	6.87E-06
7794	470344.36	3819663.46	0.00035942	1.51E-03	1.36E-04	2.99E-04	1.11E-03	9.76E-05	3.39E-05	1.94E-04	2.32E-05	3.09E-05	1.02E-04	7.01E-06
7795	470335.8	3819666.88	0.00036691	1.54E-03	1.39E-04	3.06E-04	1.13E-03	9.96E-05	3.46E-05	1.98E-04	2.37E-05	3.15E-05	1.04E-04	7.16E-06
7796	470327.25	3819670.29	0.00037436	1.57E-03	1.42E-04	3.12E-04	1.16E-03	1.02E-04	3.54E-05	2.02E-04	2.41E-05	3.21E-05	1.06E-04	7.30E-06
7797	470318.69	3819673.71	0.00038174	1.60E-03	1.44E-04	3.18E-04	1.18E-03	1.04E-04	3.60E-05	2.06E-04	2.46E-05	3.28E-05	1.08E-04	7.45E-06
7798	470310.13	3819677.13	0.00038919	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.06E-04	3.68E-05	2.10E-04	2.51E-05	3.34E-05	1.10E-04	7.59E-06
7799	470301.58	3819680.55	0.00039633	1.66E-03	1.50E-04	3.30E-04	1.22E-03	1.08E-04	3.74E-05	2.14E-04	2.56E-05	3.40E-05	1.12E-04	7.73E-06
7800	470519.24	3819452.89	0.00034406	1.44E-03	1.30E-04	2.87E-04	1.06E-03	9.34E-05	3.25E-05	1.86E-04	2.22E-05	2.95E-05	9.74E-05	6.71E-06
7801	470519.32	3819443.24	0.00034892	1.47E-03	1.32E-04	2.91E-04	1.08E-03	9.47E-05	3.29E-05	1.89E-04	2.25E-05	3.00E-05	9.88E-05	6.81E-06
7802	470519.41	3819433.59	0.00035295	1.48E-03	1.33E-04	2.94E-04	1.09E-03	9.58E-05	3.33E-05	1.91E-04	2.28E-05	3.03E-05	9.99E-05	6.89E-06
7803	470519.49	3819423.94	0.00035607	1.50E-03	1.35E-04	2.97E-04	1.10E-03	9.67E-05	3.36E-05	1.92E-04	2.30E-05	3.06E-05	1.01E-04	6.95E-06
7804	470519.57	3819414.3	0.0003582	1.50E-03	1.35E-04	2.98E-04	1.11E-03	9.72E-05	3.38E-05	1.94E-04	2.31E-05	3.08E-05	1.01E-04	6.99E-06
7805	470519.65	3819404.65	0.00035928	1.51E-03	1.36E-04	2.99E-04	1.11E-03	9.75E-05	3.39E-05	1.94E-04	2.32E-05	3.08E-05	1.02E-04	7.01E-06
7806	470519.74	3819395	0.0003592	1.51E-03	1.36E-04	2.99E-04	1.11E-03	9.75E-05	3.39E-05	1.94E-04	2.32E-05	3.08E-05	1.02E-04	7.01E-06
7807	470535.52	3819461.81	0.00030943	1.30E-03	1.17E-04	2.58E-04	9.55E-04	8.40E-05	2.92E-05	1.67E-04	2.00E-05	2.66E-05	8.76E-05	6.04E-06
7808	470531.79	3819470.55	0.00031094	1.31E-03	1.18E-04	2.59E-04	9.60E-04	8.44E-05	2.94E-05	1.68E-04	2.01E-05	2.67E-05	8.80E-05	6.07E-06
7809	470528.07	3819479.3	0.00031175	1.31E-03	1.18E-04	2.60E-04	9.62E-04	8.46E-05	2.94E-05	1.69E-04	2.01E-05	2.68E-05	8.82E-05	6.08E-06
7810	470524.34	3819488.04	0.00031192	1.31E-03	1.18E-04	2.60E-04	9.63E-04	8.47E-05	2.95E-05	1.69E-04	2.01E-05	2.68E-05	8.83E-05	6.09E-06
7811	470520.62	3819496.79	0.00031142	1.31E-03	1.18E-04	2.59E-04	9.61E-04	8.45E-05	2.94E-05	1.68E-04	2.01E-05	2.67E-05	8.82E-05	6.08E-06
7812	470516.89	3819505.54	0.00031032	1.30E-03	1.17E-04	2.58E-04	9.58E-04	8.42E-05	2.93E-05	1.68E-04	2.00E-05	2.66E-05	8.78E-05	6.06E-06
7813	470513.17	3819514.28	0.00030866	1.30E-03	1.17E-04	2.57E-04	9.52E-04	8.38E-05	2.91E-05	1.67E-04	1.99E-05	2.65E-05	8.74E-05	6.02E-06
7814	470509.44	3819523.03	0.00030646	1.29E-03	1.16E-04	2.55E-04	9.46E-04	8.32E-05	2.89E-05	1.66E-04	1.98E-05	2.63E-05	8.67E-05	5.98E-06
7815	470505.72	3819531.78	0.00030377	1.28E-03	1.15E-04	2.53E-04	9.37E-04	8.25E-05	2.87E-05	1.64E-04	1.96E-05	2.61E-05	8.60E-05	5.93E-06
7816	470501.99	3819540.52	0.00030068	1.26E-03	1.14E-04	2.50E-04	9.28E-04	8.16E-05	2.84E-05	1.63E-04	1.94E-05	2.58E-05	8.51E-05	5.87E-06
7817	470498.27	3819549.27	0.00029718	1.25E-03	1.12E-04	2.48E-04	9.17E-04	8.07E-05	2.81E-05	1.61E-04	1.92E-05	2.55E-05	8.41E-05	5.80E-06
7818	470494.54	3819558.02	0.00029337	1.23E-03	1.11E-04	2.44E-04	9.05E-04	7.96E-05	2.77E-05	1.59E-04	1.89E-05	2.52E-05	8.30E-05	5.72E-06
7819	470490.82	3819566.76	0.00028928	1.21E-03	1.09E-04	2.41E-04	8.93E-04	7.85E-05	2.73E-05	1.56E-04	1.87E-05	2.48E-05	8.19E-05	5.64E-06
7820	470487.09	3819575.51	0.00028497	1.20E-03	1.08E-04	2.37E-04	8.79E-04	7.74E-05	2.69E-05	1.54E-04	1.84E-05	2.45E-05	8.07E-05	5.56E-06
7821	470483.37	3819584.26	0.00028046	1.18E-03	1.06E-04	2.34E-04	8.65E-04	7.61E-05	2.65E-05	1.52E-04	1.81E-05	2.41E-05	7.94E-05	5.47E-06
7822	470479.64	3819593	0.00027584	1.16E-03	1.04E-04	2.30E-04	8.51E-04	7.49E-05	2.60E-05	1.49E-04	1.78E-05	2.37E-05	7.81E-05	5.38E-06

7823	470475.92	3819601.75	0.00027109	1.14E-03	1.03E-04	2.26E-04	8.37E-04	7.36E-05	2.56E-05	1.47E-04	1.75E-05	2.33E-05	7.67E-05	5.29E-06
7824	470472.19	3819610.49	0.0002663	1.12E-03	1.01E-04	2.22E-04	8.22E-04	7.23E-05	2.51E-05	1.44E-04	1.72E-05	2.29E-05	7.54E-05	5.20E-06
7825	470468.47	3819619.24	0.00026147	1.10E-03	9.89E-05	2.18E-04	8.07E-04	7.10E-05	2.47E-05	1.41E-04	1.69E-05	2.24E-05	7.40E-05	5.10E-06
7826	470464.74	3819627.99	0.00025666	1.08E-03	9.71E-05	2.14E-04	7.92E-04	6.97E-05	2.42E-05	1.39E-04	1.66E-05	2.20E-05	7.26E-05	5.01E-06
7827	470452.19	3819640.26	0.00025684	1.08E-03	9.71E-05	2.14E-04	7.93E-04	6.97E-05	2.43E-05	1.39E-04	1.66E-05	2.20E-05	7.27E-05	5.01E-06
7828	470443.36	3819643.79	0.00026189	1.10E-03	9.90E-05	2.18E-04	8.08E-04	7.11E-05	2.47E-05	1.42E-04	1.69E-05	2.25E-05	7.41E-05	5.11E-06
7829	470434.53	3819647.32	0.00026707	1.12E-03	1.01E-04	2.22E-04	8.24E-04	7.25E-05	2.52E-05	1.44E-04	1.72E-05	2.29E-05	7.56E-05	5.21E-06
7830	470425.71	3819650.84	0.00027238	1.14E-03	1.03E-04	2.27E-04	8.41E-04	7.39E-05	2.57E-05	1.47E-04	1.76E-05	2.34E-05	7.71E-05	5.31E-06
7831	470416.88	3819654.37	0.00027785	1.17E-03	1.05E-04	2.31E-04	8.57E-04	7.54E-05	2.62E-05	1.50E-04	1.79E-05	2.39E-05	7.86E-05	5.42E-06
7832	470408.05	3819657.9	0.0002835	1.19E-03	1.07E-04	2.36E-04	8.75E-04	7.70E-05	2.68E-05	1.53E-04	1.83E-05	2.43E-05	8.03E-05	5.53E-06
7833	470399.22	3819661.42	0.00028935	1.22E-03	1.09E-04	2.41E-04	8.93E-04	7.85E-05	2.73E-05	1.56E-04	1.87E-05	2.48E-05	8.19E-05	5.65E-06
7834	470390.39	3819664.95	0.00029537	1.24E-03	1.12E-04	2.46E-04	9.11E-04	8.02E-05	2.79E-05	1.60E-04	1.91E-05	2.54E-05	8.36E-05	5.76E-06
7835	470381.57	3819668.48	0.00030158	1.27E-03	1.14E-04	2.51E-04	9.31E-04	8.19E-05	2.85E-05	1.63E-04	1.95E-05	2.59E-05	8.54E-05	5.88E-06
7836	470372.74	3819672.01	0.00030797	1.29E-03	1.16E-04	2.57E-04	9.50E-04	8.36E-05	2.91E-05	1.66E-04	1.99E-05	2.64E-05	8.72E-05	6.01E-06
7837	470363.91	3819675.53	0.00031451	1.32E-03	1.19E-04	2.62E-04	9.71E-04	8.54E-05	2.97E-05	1.70E-04	2.03E-05	2.70E-05	8.90E-05	6.14E-06
7838	470355.08	3819679.06	0.00032116	1.35E-03	1.21E-04	2.68E-04	9.91E-04	8.72E-05	3.03E-05	1.74E-04	2.07E-05	2.76E-05	9.09E-05	6.27E-06
7839	470346.25	3819682.59	0.00032787	1.38E-03	1.24E-04	2.73E-04	1.01E-03	8.90E-05	3.10E-05	1.77E-04	2.11E-05	2.81E-05	9.28E-05	6.40E-06
7840	470337.43	3819686.11	0.00033458	1.41E-03	1.27E-04	2.79E-04	1.03E-03	9.08E-05	3.16E-05	1.81E-04	2.16E-05	2.87E-05	9.47E-05	6.53E-06
7841	470328.6	3819689.64	0.00034124	1.43E-03	1.29E-04	2.84E-04	1.05E-03	9.26E-05	3.22E-05	1.84E-04	2.20E-05	2.93E-05	9.66E-05	6.66E-06
7842	470319.77	3819693.17	0.00034776	1.46E-03	1.32E-04	2.90E-04	1.07E-03	9.44E-05	3.28E-05	1.88E-04	2.24E-05	2.99E-05	9.84E-05	6.79E-06
7843	470310.94	3819696.7	0.00035436	1.49E-03	1.34E-04	2.95E-04	1.09E-03	9.62E-05	3.35E-05	1.92E-04	2.29E-05	3.04E-05	1.00E-04	6.91E-06
7844	470302.11	3819700.22	0.00036066	1.51E-03	1.36E-04	3.00E-04	1.11E-03	9.79E-05	3.41E-05	1.95E-04	2.33E-05	3.10E-05	1.02E-04	7.04E-06
7845	470540.93	3819496.23	0.00028126	1.18E-03	1.06E-04	2.34E-04	8.68E-04	7.64E-05	2.66E-05	1.52E-04	1.81E-05	2.41E-05	7.96E-05	5.49E-06
7846	470537.26	3819504.83	0.00028078	1.18E-03	1.06E-04	2.34E-04	8.66E-04	7.62E-05	2.65E-05	1.52E-04	1.81E-05	2.41E-05	7.95E-05	5.48E-06
7847	470533.6	3819513.43	0.00027982	1.18E-03	1.06E-04	2.33E-04	8.63E-04	7.60E-05	2.64E-05	1.51E-04	1.80E-05	2.40E-05	7.92E-05	5.46E-06
7848	470529.94	3819522.03	0.00027841	1.17E-03	1.05E-04	2.32E-04	8.59E-04	7.56E-05	2.63E-05	1.51E-04	1.80E-05	2.39E-05	7.88E-05	5.43E-06
7849	470526.28	3819530.63	0.00027659	1.16E-03	1.05E-04	2.30E-04	8.53E-04	7.51E-05	2.61E-05	1.50E-04	1.78E-05	2.37E-05	7.83E-05	5.40E-06
7850	470522.61	3819539.23	0.00027439	1.15E-03	1.04E-04	2.29E-04	8.47E-04	7.45E-05	2.59E-05	1.48E-04	1.77E-05	2.36E-05	7.77E-05	5.35E-06
7851	470518.95	3819547.83	0.00027184	1.14E-03	1.03E-04	2.26E-04	8.39E-04	7.38E-05	2.57E-05	1.47E-04	1.75E-05	2.33E-05	7.69E-05	5.30E-06
7852	470515.29	3819556.43	0.00026899	1.13E-03	1.02E-04	2.24E-04	8.30E-04	7.30E-05	2.54E-05	1.45E-04	1.74E-05	2.31E-05	7.61E-05	5.25E-06
7853	470511.63	3819565.03	0.00026588	1.12E-03	1.01E-04	2.21E-04	8.20E-04	7.22E-05	2.51E-05	1.44E-04	1.71E-05	2.28E-05	7.53E-05	5.19E-06
7854	470507.96	3819573.63	0.00026254	1.10E-03	9.93E-05	2.19E-04	8.10E-04	7.13E-05	2.48E-05	1.42E-04	1.69E-05	2.25E-05	7.43E-05	5.12E-06
7855	470504.3	3819582.23	0.00025899	1.09E-03	9.79E-05	2.16E-04	7.99E-04	7.03E-05	2.45E-05	1.40E-04	1.67E-05	2.22E-05	7.33E-05	5.05E-06
7856	470500.64	3819590.83	0.00025529	1.07E-03	9.65E-05	2.13E-04	7.88E-04	6.93E-05	2.41E-05	1.38E-04	1.65E-05	2.19E-05	7.23E-05	4.98E-06
7857	470496.98	3819599.43	0.00025146	1.06E-03	9.51E-05	2.09E-04	7.76E-04	6.83E-05	2.37E-05	1.36E-04	1.62E-05	2.16E-05	7.12E-05	4.91E-06
7858	470493.31	3819608.03	0.00024754	1.04E-03	9.36E-05	2.06E-04	7.64E-04	6.72E-05	2.34E-05	1.34E-04	1.60E-05	2.13E-05	7.01E-05	4.83E-06
7859	470489.65	3819616.63	0.00024354	1.02E-03	9.21E-05	2.03E-04	7.52E-04	6.61E-05	2.30E-05	1.32E-04	1.57E-05	2.09E-05	6.89E-05	4.75E-06
7860	470485.99	3819625.23	0.00023949	1.01E-03	9.06E-05	1.99E-04	7.39E-04	6.50E-05	2.26E-05	1.29E-04	1.54E-05	2.06E-05	6.78E-05	4.67E-06
7861	470482.33	3819633.83	0.00023544	9.89E-04	8.90E-05	1.96E-04	7.27E-04	6.39E-05	2.22E-05	1.27E-04	1.52E-05	2.02E-05	6.66E-05	4.59E-06
7862	470478.66	3819642.43	0.00023139	9.72E-04	8.75E-05	1.93E-04	7.14E-04	6.28E-05	2.19E-05	1.25E-04	1.49E-05	1.99E-05	6.55E-05	4.52E-06
7863	470466.32	3819654.5	0.00023142	9.72E-04	8.75E-05	1.93E-04	7.14E-04	6.28E-05	2.19E-05	1.25E-04	1.49E-05	1.99E-05	6.55E-05	4.52E-06
7864	470457.64	3819657.97	0.00023566	9.90E-04	8.91E-05	1.96E-04	7.27E-04	6.40E-05	2.23E-05	1.27E-04	1.52E-05	2.02E-05	6.67E-05	4.60E-06
7865	470448.96	3819661.44	0.00024002	1.01E-03	9.08E-05	2.00E-04	7.41E-04	6.52E-05	2.27E-05	1.30E-04	1.55E-05	2.06E-05	6.79E-05	4.68E-06

7866	470440.28	3819664.91	0.00024453	1.03E-03	9.25E-05	2.04E-04	7.55E-04	6.64E-05	2.31E-05	1.32E-04	1.58E-05	2.10E-05	6.92E-05	4.77E-06
7867	470431.6	3819668.38	0.0002491	1.05E-03	9.42E-05	2.07E-04	7.69E-04	6.76E-05	2.35E-05	1.35E-04	1.61E-05	2.14E-05	7.05E-05	4.86E-06
7868	470422.92	3819671.84	0.00025382	1.07E-03	9.60E-05	2.11E-04	7.83E-04	6.89E-05	2.40E-05	1.37E-04	1.64E-05	2.18E-05	7.18E-05	4.95E-06
7869	470414.24	3819675.31	0.00025869	1.09E-03	9.78E-05	2.15E-04	7.98E-04	7.02E-05	2.44E-05	1.40E-04	1.67E-05	2.22E-05	7.32E-05	5.05E-06
7870	470405.56	3819678.78	0.00026372	1.11E-03	9.97E-05	2.20E-04	8.14E-04	7.16E-05	2.49E-05	1.43E-04	1.70E-05	2.26E-05	7.46E-05	5.15E-06
7871	470396.88	3819682.25	0.00026892	1.13E-03	1.02E-04	2.24E-04	8.30E-04	7.30E-05	2.54E-05	1.45E-04	1.73E-05	2.31E-05	7.61E-05	5.25E-06
7872	470388.2	3819685.72	0.00027429	1.15E-03	1.04E-04	2.28E-04	8.46E-04	7.45E-05	2.59E-05	1.48E-04	1.77E-05	2.35E-05	7.76E-05	5.35E-06
7873	470379.52	3819689.18	0.00027981	1.18E-03	1.06E-04	2.33E-04	8.63E-04	7.60E-05	2.64E-05	1.51E-04	1.80E-05	2.40E-05	7.92E-05	5.46E-06
7874	470370.84	3819692.65	0.00028544	1.20E-03	1.08E-04	2.38E-04	8.81E-04	7.75E-05	2.70E-05	1.54E-04	1.84E-05	2.45E-05	8.08E-05	5.57E-06
7875	470362.16	3819696.12	0.00029117	1.22E-03	1.10E-04	2.43E-04	8.99E-04	7.90E-05	2.75E-05	1.57E-04	1.88E-05	2.50E-05	8.24E-05	5.68E-06
7876	470353.48	3819699.59	0.00029695	1.25E-03	1.12E-04	2.47E-04	9.16E-04	8.06E-05	2.80E-05	1.61E-04	1.92E-05	2.55E-05	8.41E-05	5.79E-06
7877	470344.8	3819703.06	0.00030274	1.27E-03	1.14E-04	2.52E-04	9.34E-04	8.22E-05	2.86E-05	1.64E-04	1.95E-05	2.60E-05	8.57E-05	5.91E-06
7878	470336.11	3819706.53	0.00030851	1.30E-03	1.17E-04	2.57E-04	9.52E-04	8.38E-05	2.91E-05	1.67E-04	1.99E-05	2.65E-05	8.73E-05	6.02E-06
7879	470327.43	3819709.99	0.00031419	1.32E-03	1.19E-04	2.62E-04	9.70E-04	8.53E-05	2.97E-05	1.70E-04	2.03E-05	2.70E-05	8.89E-05	6.13E-06
7880	470318.75	3819713.46	0.00031973	1.34E-03	1.21E-04	2.66E-04	9.87E-04	8.68E-05	3.02E-05	1.73E-04	2.06E-05	2.74E-05	9.05E-05	6.24E-06
7881	470310.07	3819716.93	0.00032527	1.37E-03	1.23E-04	2.71E-04	1.00E-03	8.83E-05	3.07E-05	1.76E-04	2.10E-05	2.79E-05	9.21E-05	6.35E-06
7882	470301.39	3819720.4	0.00033052	1.39E-03	1.25E-04	2.75E-04	1.02E-03	8.97E-05	3.12E-05	1.79E-04	2.13E-05	2.84E-05	9.36E-05	6.45E-06
7883	470560.98	3819250.62	0.00019242	8.08E-04	7.28E-05	1.60E-04	5.94E-04	5.22E-05	1.82E-05	1.04E-04	1.24E-05	1.65E-05	5.45E-05	3.75E-06
7884	470561.06	3819240.97	0.00018328	7.70E-04	6.93E-05	1.53E-04	5.66E-04	4.98E-05	1.73E-05	9.91E-05	1.18E-05	1.57E-05	5.19E-05	3.58E-06
7885	470549.15	3819524.05	0.00025325	1.06E-03	9.58E-05	2.11E-04	7.81E-04	6.87E-05	2.39E-05	1.37E-04	1.63E-05	2.17E-05	7.17E-05	4.94E-06
7886	470545.39	3819532.88	0.00025189	1.06E-03	9.53E-05	2.10E-04	7.77E-04	6.84E-05	2.38E-05	1.36E-04	1.62E-05	2.16E-05	7.13E-05	4.92E-06
7887	470541.63	3819541.71	0.00025017	1.05E-03	9.46E-05	2.08E-04	7.72E-04	6.79E-05	2.36E-05	1.35E-04	1.61E-05	2.15E-05	7.08E-05	4.88E-06
7888	470537.87	3819550.54	0.00024814	1.04E-03	9.38E-05	2.07E-04	7.66E-04	6.74E-05	2.34E-05	1.34E-04	1.60E-05	2.13E-05	7.02E-05	4.84E-06
7889	470534.11	3819559.37	0.00024582	1.03E-03	9.30E-05	2.05E-04	7.59E-04	6.67E-05	2.32E-05	1.33E-04	1.59E-05	2.11E-05	6.96E-05	4.80E-06
7890	470530.35	3819568.2	0.00024325	1.02E-03	9.20E-05	2.03E-04	7.51E-04	6.60E-05	2.30E-05	1.31E-04	1.57E-05	2.09E-05	6.89E-05	4.75E-06
7891	470526.59	3819577.03	0.00024046	1.01E-03	9.09E-05	2.00E-04	7.42E-04	6.53E-05	2.27E-05	1.30E-04	1.55E-05	2.06E-05	6.81E-05	4.69E-06
7892	470522.83	3819585.86	0.00023747	9.97E-04	8.98E-05	1.98E-04	7.33E-04	6.45E-05	2.24E-05	1.28E-04	1.53E-05	2.04E-05	6.72E-05	4.63E-06
7893	470519.07	3819594.69	0.00023432	9.84E-04	8.86E-05	1.95E-04	7.23E-04	6.36E-05	2.21E-05	1.27E-04	1.51E-05	2.01E-05	6.63E-05	4.57E-06
7894	470515.31	3819603.52	0.00023104	9.70E-04	8.74E-05	1.92E-04	7.13E-04	6.27E-05	2.18E-05	1.25E-04	1.49E-05	1.98E-05	6.54E-05	4.51E-06
7895	470511.55	3819612.35	0.00022765	9.56E-04	8.61E-05	1.90E-04	7.02E-04	6.18E-05	2.15E-05	1.23E-04	1.47E-05	1.95E-05	6.44E-05	4.44E-06
7896	470507.79	3819621.18	0.00022417	9.41E-04	8.48E-05	1.87E-04	6.92E-04	6.09E-05	2.12E-05	1.21E-04	1.45E-05	1.92E-05	6.35E-05	4.37E-06
7897	470504.03	3819630.01	0.00022063	9.27E-04	8.34E-05	1.84E-04	6.81E-04	5.99E-05	2.08E-05	1.19E-04	1.42E-05	1.89E-05	6.25E-05	4.31E-06
7898	470500.26	3819638.84	0.00021707	9.12E-04	8.21E-05	1.81E-04	6.70E-04	5.89E-05	2.05E-05	1.17E-04	1.40E-05	1.86E-05	6.14E-05	4.24E-06
7899	470496.5	3819647.67	0.00021346	8.96E-04	8.07E-05	1.78E-04	6.59E-04	5.79E-05	2.02E-05	1.15E-04	1.38E-05	1.83E-05	6.04E-05	4.17E-06
7900	470492.74	3819656.5	0.00020977	8.81E-04	7.93E-05	1.75E-04	6.47E-04	5.69E-05	1.98E-05	1.13E-04	1.35E-05	1.80E-05	5.94E-05	4.09E-06
7901	470480.07	3819668.9	0.00020971	8.81E-04	7.93E-05	1.75E-04	6.47E-04	5.69E-05	1.98E-05	1.13E-04	1.35E-05	1.80E-05	5.94E-05	4.09E-06
7902	470471.16	3819672.46	0.00021338	8.96E-04	8.07E-05	1.78E-04	6.58E-04	5.79E-05	2.01E-05	1.15E-04	1.38E-05	1.83E-05	6.04E-05	4.16E-06
7903	470462.24	3819676.02	0.00021725	9.12E-04	8.22E-05	1.81E-04	6.70E-04	5.90E-05	2.05E-05	1.17E-04	1.40E-05	1.87E-05	6.15E-05	4.24E-06
7904	470453.33	3819679.58	0.0002213	9.29E-04	8.37E-05	1.84E-04	6.83E-04	6.01E-05	2.09E-05	1.20E-04	1.43E-05	1.90E-05	6.26E-05	4.32E-06
7905	470444.42	3819683.14	0.00022546	9.47E-04	8.53E-05	1.88E-04	6.96E-04	6.12E-05	2.13E-05	1.22E-04	1.45E-05	1.94E-05	6.38E-05	4.40E-06
7906	470435.51	3819686.7	0.0002297	9.65E-04	8.69E-05	1.91E-04	7.09E-04	6.24E-05	2.17E-05	1.24E-04	1.48E-05	1.97E-05	6.50E-05	4.48E-06
7907	470426.59	3819690.26	0.00023402	9.83E-04	8.85E-05	1.95E-04	7.22E-04	6.35E-05	2.21E-05	1.27E-04	1.51E-05	2.01E-05	6.62E-05	4.57E-06
7908	470417.68	3819693.82	0.00023849	1.00E-03	9.02E-05	1.99E-04	7.36E-04	6.47E-05	2.25E-05	1.29E-04	1.54E-05	2.05E-05	6.75E-05	4.65E-06

7909	470408.77	3819697.38	0.00024312	1.02E-03	9.19E-05	2.03E-04	7.50E-04	6.60E-05	2.30E-05	1.31E-04	1.57E-05	2.09E-05	6.88E-05	4.74E-06
7910	470399.85	3819700.95	0.00024791	1.04E-03	9.38E-05	2.06E-04	7.65E-04	6.73E-05	2.34E-05	1.34E-04	1.60E-05	2.13E-05	7.02E-05	4.84E-06
7911	470390.94	3819704.51	0.00025283	1.06E-03	9.56E-05	2.11E-04	7.80E-04	6.86E-05	2.39E-05	1.37E-04	1.63E-05	2.17E-05	7.16E-05	4.93E-06
7912	470382.03	3819708.07	0.00025789	1.08E-03	9.75E-05	2.15E-04	7.96E-04	7.00E-05	2.44E-05	1.39E-04	1.66E-05	2.21E-05	7.30E-05	5.03E-06
7913	470373.12	3819711.63	0.00026305	1.10E-03	9.95E-05	2.19E-04	8.12E-04	7.14E-05	2.48E-05	1.42E-04	1.70E-05	2.26E-05	7.45E-05	5.13E-06
7914	470364.2	3819715.19	0.00026829	1.13E-03	1.01E-04	2.23E-04	8.28E-04	7.28E-05	2.53E-05	1.45E-04	1.73E-05	2.30E-05	7.59E-05	5.23E-06
7915	470355.29	3819718.75	0.00027354	1.15E-03	1.03E-04	2.28E-04	8.44E-04	7.43E-05	2.58E-05	1.48E-04	1.76E-05	2.35E-05	7.74E-05	5.34E-06
7916	470346.38	3819722.31	0.00027879	1.17E-03	1.05E-04	2.32E-04	8.60E-04	7.57E-05	2.63E-05	1.51E-04	1.80E-05	2.39E-05	7.89E-05	5.44E-06
7917	470337.46	3819725.87	0.00028399	1.19E-03	1.07E-04	2.37E-04	8.76E-04	7.71E-05	2.68E-05	1.54E-04	1.83E-05	2.44E-05	8.04E-05	5.54E-06
7918	470328.55	3819729.43	0.00028907	1.21E-03	1.09E-04	2.41E-04	8.92E-04	7.85E-05	2.73E-05	1.56E-04	1.86E-05	2.48E-05	8.18E-05	5.64E-06
7919	470319.64	3819733	0.00029398	1.23E-03	1.11E-04	2.45E-04	9.07E-04	7.98E-05	2.78E-05	1.59E-04	1.90E-05	2.52E-05	8.32E-05	5.74E-06
7920	470310.73	3819736.56	0.00029889	1.26E-03	1.13E-04	2.49E-04	9.22E-04	8.11E-05	2.82E-05	1.62E-04	1.93E-05	2.57E-05	8.46E-05	5.83E-06
7921	470301.81	3819740.12	0.00030353	1.27E-03	1.15E-04	2.53E-04	9.37E-04	8.24E-05	2.87E-05	1.64E-04	1.96E-05	2.61E-05	8.59E-05	5.92E-06
7922	470580.4	3819318.33	0.00022503	9.45E-04	8.51E-05	1.87E-04	6.94E-04	6.11E-05	2.12E-05	1.22E-04	1.45E-05	1.93E-05	6.37E-05	4.39E-06
7923	470580.48	3819308.68	0.0002189	9.19E-04	8.28E-05	1.82E-04	6.76E-04	5.94E-05	2.07E-05	1.18E-04	1.41E-05	1.88E-05	6.20E-05	4.27E-06
7924	470580.56	3819299.03	0.00021234	8.92E-04	8.03E-05	1.77E-04	6.55E-04	5.76E-05	2.01E-05	1.15E-04	1.37E-05	1.82E-05	6.01E-05	4.14E-06
7925	470580.65	3819289.38	0.0002054	8.63E-04	7.77E-05	1.71E-04	6.34E-04	5.58E-05	1.94E-05	1.11E-04	1.32E-05	1.76E-05	5.81E-05	4.01E-06
7926	470580.73	3819279.73	0.00019815	8.32E-04	7.49E-05	1.65E-04	6.11E-04	5.38E-05	1.87E-05	1.07E-04	1.28E-05	1.70E-05	5.61E-05	3.87E-06
7927	470580.81	3819270.09	0.00019066	8.01E-04	7.21E-05	1.59E-04	5.88E-04	5.18E-05	1.80E-05	1.03E-04	1.23E-05	1.64E-05	5.40E-05	3.72E-06
7928	470580.89	3819260.44	0.00018296	7.68E-04	6.92E-05	1.52E-04	5.65E-04	4.97E-05	1.73E-05	9.89E-05	1.18E-05	1.57E-05	5.18E-05	3.57E-06
7929	470580.98	3819250.79	0.00017515	7.36E-04	6.62E-05	1.46E-04	5.40E-04	4.75E-05	1.65E-05	9.47E-05	1.13E-05	1.50E-05	4.96E-05	3.42E-06
7930	470581.06	3819241.14	0.00016728	7.02E-04	6.33E-05	1.39E-04	5.16E-04	4.54E-05	1.58E-05	9.04E-05	1.08E-05	1.44E-05	4.74E-05	3.26E-06
7931	470557.13	3819599.57	0.00019988	8.39E-04	7.56E-05	1.66E-04	6.17E-04	5.43E-05	1.89E-05	1.08E-04	1.29E-05	1.72E-05	5.66E-05	3.90E-06
7932	470553.48	3819608.15	0.00019768	8.30E-04	7.48E-05	1.65E-04	6.10E-04	5.37E-05	1.87E-05	1.07E-04	1.28E-05	1.70E-05	5.60E-05	3.86E-06
7933	470549.83	3819616.73	0.00019538	8.20E-04	7.39E-05	1.63E-04	6.03E-04	5.30E-05	1.85E-05	1.06E-04	1.26E-05	1.68E-05	5.53E-05	3.81E-06
7934	470546.17	3819625.31	0.00019299	8.10E-04	7.30E-05	1.61E-04	5.96E-04	5.24E-05	1.82E-05	1.04E-04	1.24E-05	1.66E-05	5.46E-05	3.77E-06
7935	470542.52	3819633.89	0.00019052	8.00E-04	7.21E-05	1.59E-04	5.88E-04	5.17E-05	1.80E-05	1.03E-04	1.23E-05	1.64E-05	5.39E-05	3.72E-06
7936	470538.87	3819642.47	0.00018799	7.89E-04	7.11E-05	1.57E-04	5.80E-04	5.10E-05	1.78E-05	1.02E-04	1.21E-05	1.61E-05	5.32E-05	3.67E-06
7937	470535.21	3819651.04	0.00018539	7.79E-04	7.01E-05	1.54E-04	5.72E-04	5.03E-05	1.75E-05	1.00E-04	1.20E-05	1.59E-05	5.25E-05	3.62E-06
7938	470531.56	3819659.62	0.00018271	7.67E-04	6.91E-05	1.52E-04	5.64E-04	4.96E-05	1.73E-05	9.88E-05	1.18E-05	1.57E-05	5.17E-05	3.57E-06
7939	470527.91	3819668.2	0.00017999	7.56E-04	6.81E-05	1.50E-04	5.55E-04	4.89E-05	1.70E-05	9.73E-05	1.16E-05	1.55E-05	5.09E-05	3.51E-06
7940	470524.25	3819676.78	0.00017727	7.44E-04	6.70E-05	1.48E-04	5.47E-04	4.81E-05	1.67E-05	9.58E-05	1.14E-05	1.52E-05	5.02E-05	3.46E-06
7941	470520.6	3819685.36	0.00017462	7.33E-04	6.60E-05	1.45E-04	5.39E-04	4.74E-05	1.65E-05	9.44E-05	1.13E-05	1.50E-05	4.94E-05	3.41E-06
7942	470508.29	3819697.39	0.00017469	7.34E-04	6.61E-05	1.46E-04	5.39E-04	4.74E-05	1.65E-05	9.44E-05	1.13E-05	1.50E-05	4.94E-05	3.41E-06
7943	470499.63	3819700.85	0.00017741	7.45E-04	6.71E-05	1.48E-04	5.47E-04	4.82E-05	1.68E-05	9.59E-05	1.14E-05	1.52E-05	5.02E-05	3.46E-06
7944	470490.97	3819704.31	0.00018019	7.57E-04	6.81E-05	1.50E-04	5.56E-04	4.89E-05	1.70E-05	9.74E-05	1.16E-05	1.55E-05	5.10E-05	3.52E-06
7945	470482.31	3819707.77	0.00018305	7.69E-04	6.92E-05	1.52E-04	5.65E-04	4.97E-05	1.73E-05	9.90E-05	1.18E-05	1.57E-05	5.18E-05	3.57E-06
7946	470473.66	3819711.23	0.00018601	7.81E-04	7.03E-05	1.55E-04	5.74E-04	5.05E-05	1.76E-05	1.01E-04	1.20E-05	1.60E-05	5.27E-05	3.63E-06
7947	470465	3819714.69	0.00018912	7.94E-04	7.15E-05	1.58E-04	5.84E-04	5.13E-05	1.79E-05	1.02E-04	1.22E-05	1.62E-05	5.35E-05	3.69E-06
7948	470456.34	3819718.15	0.00019234	8.08E-04	7.27E-05	1.60E-04	5.94E-04	5.22E-05	1.82E-05	1.04E-04	1.24E-05	1.65E-05	5.44E-05	3.75E-06
7949	470447.68	3819721.61	0.00019565	8.22E-04	7.40E-05	1.63E-04	6.04E-04	5.31E-05	1.85E-05	1.06E-04	1.26E-05	1.68E-05	5.54E-05	3.82E-06
7950	470439.02	3819725.07	0.00019904	8.36E-04	7.53E-05	1.66E-04	6.14E-04	5.40E-05	1.88E-05	1.08E-04	1.28E-05	1.71E-05	5.63E-05	3.88E-06
7951	470430.36	3819728.53	0.00020252	8.50E-04	7.66E-05	1.69E-04	6.25E-04	5.50E-05	1.91E-05	1.09E-04	1.31E-05	1.74E-05	5.73E-05	3.95E-06

7952	470421.71	3819731.99	0.00020611	8.66E-04	7.79E-05	1.72E-04	6.36E-04	5.60E-05	1.95E-05	1.11E-04	1.33E-05	1.77E-05	5.83E-05	4.02E-06
7953	470413.05	3819735.45	0.00020982	8.81E-04	7.94E-05	1.75E-04	6.47E-04	5.70E-05	1.98E-05	1.13E-04	1.35E-05	1.80E-05	5.94E-05	4.09E-06
7954	470404.39	3819738.91	0.00021364	8.97E-04	8.08E-05	1.78E-04	6.59E-04	5.80E-05	2.02E-05	1.15E-04	1.38E-05	1.83E-05	6.05E-05	4.17E-06
7955	470395.73	3819742.37	0.00021756	9.14E-04	8.23E-05	1.81E-04	6.71E-04	5.91E-05	2.05E-05	1.18E-04	1.40E-05	1.87E-05	6.16E-05	4.25E-06
7956	470387.07	3819745.83	0.00022155	9.30E-04	8.38E-05	1.85E-04	6.84E-04	6.01E-05	2.09E-05	1.20E-04	1.43E-05	1.90E-05	6.27E-05	4.32E-06
7957	470378.42	3819749.28	0.00022559	9.47E-04	8.53E-05	1.88E-04	6.96E-04	6.12E-05	2.13E-05	1.22E-04	1.46E-05	1.94E-05	6.39E-05	4.40E-06
7958	470369.76	3819752.74	0.00022965	9.64E-04	8.69E-05	1.91E-04	7.09E-04	6.23E-05	2.17E-05	1.24E-04	1.48E-05	1.97E-05	6.50E-05	4.48E-06
7959	470361.1	3819756.2	0.00023371	9.81E-04	8.84E-05	1.95E-04	7.21E-04	6.34E-05	2.21E-05	1.26E-04	1.51E-05	2.01E-05	6.62E-05	4.56E-06
7960	470352.44	3819759.66	0.00023773	9.98E-04	8.99E-05	1.98E-04	7.34E-04	6.45E-05	2.24E-05	1.29E-04	1.53E-05	2.04E-05	6.73E-05	4.64E-06
7961	470343.78	3819763.12	0.00024178	1.02E-03	9.14E-05	2.01E-04	7.46E-04	6.56E-05	2.28E-05	1.31E-04	1.56E-05	2.08E-05	6.84E-05	4.72E-06
7962	470335.12	3819766.58	0.00024578	1.03E-03	9.30E-05	2.05E-04	7.58E-04	6.67E-05	2.32E-05	1.33E-04	1.59E-05	2.11E-05	6.96E-05	4.80E-06
7963	470326.47	3819770.04	0.0002496	1.05E-03	9.44E-05	2.08E-04	7.70E-04	6.78E-05	2.36E-05	1.35E-04	1.61E-05	2.14E-05	7.07E-05	4.87E-06
7964	470317.81	3819773.5	0.00025317	1.06E-03	9.57E-05	2.11E-04	7.81E-04	6.87E-05	2.39E-05	1.37E-04	1.63E-05	2.17E-05	7.17E-05	4.94E-06
7965	470309.15	3819776.96	0.00025644	1.08E-03	9.70E-05	2.14E-04	7.91E-04	6.96E-05	2.42E-05	1.39E-04	1.65E-05	2.20E-05	7.26E-05	5.00E-06
7966	470300.49	3819780.42	0.0002595	1.09E-03	9.81E-05	2.16E-04	8.01E-04	7.04E-05	2.45E-05	1.40E-04	1.67E-05	2.23E-05	7.35E-05	5.06E-06
7967	470619.24	3819453.75	0.00020501	8.61E-04	7.75E-05	1.71E-04	6.33E-04	5.57E-05	1.94E-05	1.11E-04	1.32E-05	1.76E-05	5.80E-05	4.00E-06
7968	470619.32	3819444.1	0.00020626	8.66E-04	7.80E-05	1.72E-04	6.36E-04	5.60E-05	1.95E-05	1.12E-04	1.33E-05	1.77E-05	5.84E-05	4.02E-06
7969	470619.4	3819434.45	0.00020714	8.70E-04	7.83E-05	1.73E-04	6.39E-04	5.62E-05	1.96E-05	1.12E-04	1.34E-05	1.78E-05	5.86E-05	4.04E-06
7970	470619.49	3819424.8	0.00020763	8.72E-04	7.85E-05	1.73E-04	6.41E-04	5.64E-05	1.96E-05	1.12E-04	1.34E-05	1.78E-05	5.88E-05	4.05E-06
7971	470619.57	3819415.15	0.00020771	8.72E-04	7.86E-05	1.73E-04	6.41E-04	5.64E-05	1.96E-05	1.12E-04	1.34E-05	1.78E-05	5.88E-05	4.05E-06
7972	470619.65	3819405.5	0.00020734	8.71E-04	7.84E-05	1.73E-04	6.40E-04	5.63E-05	1.96E-05	1.12E-04	1.34E-05	1.78E-05	5.87E-05	4.05E-06
7973	470619.73	3819395.86	0.00020655	8.67E-04	7.81E-05	1.72E-04	6.37E-04	5.61E-05	1.95E-05	1.12E-04	1.33E-05	1.77E-05	5.85E-05	4.03E-06
7974	470619.82	3819386.21	0.0002053	8.62E-04	7.76E-05	1.71E-04	6.34E-04	5.57E-05	1.94E-05	1.11E-04	1.32E-05	1.76E-05	5.81E-05	4.01E-06
7975	470619.9	3819376.56	0.00020359	8.55E-04	7.70E-05	1.70E-04	6.28E-04	5.53E-05	1.92E-05	1.10E-04	1.31E-05	1.75E-05	5.76E-05	3.97E-06
7976	470619.98	3819366.91	0.00020144	8.46E-04	7.62E-05	1.68E-04	6.22E-04	5.47E-05	1.90E-05	1.09E-04	1.30E-05	1.73E-05	5.70E-05	3.93E-06
7977	470620.06	3819357.26	0.00019883	8.35E-04	7.52E-05	1.66E-04	6.14E-04	5.40E-05	1.88E-05	1.07E-04	1.28E-05	1.71E-05	5.63E-05	3.88E-06
7978	470620.15	3819347.62	0.00019579	8.22E-04	7.40E-05	1.63E-04	6.04E-04	5.31E-05	1.85E-05	1.06E-04	1.26E-05	1.68E-05	5.54E-05	3.82E-06
7979	470620.23	3819337.97	0.00019233	8.08E-04	7.27E-05	1.60E-04	5.93E-04	5.22E-05	1.82E-05	1.04E-04	1.24E-05	1.65E-05	5.44E-05	3.75E-06
7980	470620.31	3819328.32	0.00018846	7.91E-04	7.13E-05	1.57E-04	5.82E-04	5.12E-05	1.78E-05	1.02E-04	1.22E-05	1.62E-05	5.33E-05	3.68E-06
7981	470655.55	3819462.75	0.00017326	7.28E-04	6.55E-05	1.44E-04	5.35E-04	4.70E-05	1.64E-05	9.37E-05	1.12E-05	1.49E-05	4.90E-05	3.38E-06
7982	470651.86	3819471.41	0.00017484	7.34E-04	6.61E-05	1.46E-04	5.40E-04	4.75E-05	1.65E-05	9.45E-05	1.13E-05	1.50E-05	4.95E-05	3.41E-06
7983	470648.17	3819480.07	0.0001762	7.40E-04	6.66E-05	1.47E-04	5.44E-04	4.78E-05	1.66E-05	9.53E-05	1.14E-05	1.51E-05	4.99E-05	3.44E-06
7984	470644.48	3819488.73	0.0001773	7.45E-04	6.71E-05	1.48E-04	5.47E-04	4.81E-05	1.67E-05	9.59E-05	1.14E-05	1.52E-05	5.02E-05	3.46E-06
7985	470640.8	3819497.39	0.00017816	7.48E-04	6.74E-05	1.48E-04	5.50E-04	4.84E-05	1.68E-05	9.63E-05	1.15E-05	1.53E-05	5.04E-05	3.48E-06
7986	470637.11	3819506.05	0.0001788	7.51E-04	6.76E-05	1.49E-04	5.52E-04	4.85E-05	1.69E-05	9.67E-05	1.15E-05	1.53E-05	5.06E-05	3.49E-06
7987	470633.42	3819514.71	0.00017921	7.53E-04	6.78E-05	1.49E-04	5.53E-04	4.86E-05	1.69E-05	9.69E-05	1.16E-05	1.54E-05	5.07E-05	3.50E-06
7988	470567.04	3819670.58	0.00015828	6.65E-04	5.99E-05	1.32E-04	4.88E-04	4.30E-05	1.49E-05	8.56E-05	1.02E-05	1.36E-05	4.48E-05	3.09E-06
7989	470563.35	3819679.24	0.00015622	6.56E-04	5.91E-05	1.30E-04	4.82E-04	4.24E-05	1.48E-05	8.45E-05	1.01E-05	1.34E-05	4.42E-05	3.05E-06
7990	470559.66	3819687.9	0.00015418	6.48E-04	5.83E-05	1.28E-04	4.76E-04	4.19E-05	1.46E-05	8.34E-05	9.95E-06	1.32E-05	4.36E-05	3.01E-06
7991	470555.98	3819696.56	0.00015212	6.39E-04	5.75E-05	1.27E-04	4.69E-04	4.13E-05	1.44E-05	8.22E-05	9.81E-06	1.31E-05	4.31E-05	2.97E-06
7992	470552.29	3819705.22	0.00015005	6.30E-04	5.67E-05	1.25E-04	4.63E-04	4.07E-05	1.42E-05	8.11E-05	9.68E-06	1.29E-05	4.25E-05	2.93E-06
7993	470548.6	3819713.88	0.00014798	6.21E-04	5.60E-05	1.23E-04	4.57E-04	4.02E-05	1.40E-05	8.00E-05	9.55E-06	1.27E-05	4.19E-05	2.89E-06
7994	470536.17	3819726.03	0.00014803	6.22E-04	5.60E-05	1.23E-04	4.57E-04	4.02E-05	1.40E-05	8.00E-05	9.55E-06	1.27E-05	4.19E-05	2.89E-06

7995	470527.43	3819729.52	0.00015016	6.31E-04	5.68E-05	1.25E-04	4.63E-04	4.08E-05	1.42E-05	8.12E-05	9.69E-06	1.29E-05	4.25E-05	2.93E-06
7996	470518.69	3819733.01	0.00015233	6.40E-04	5.76E-05	1.27E-04	4.70E-04	4.14E-05	1.44E-05	8.23E-05	9.83E-06	1.31E-05	4.31E-05	2.97E-06
7997	470509.95	3819736.5	0.00015454	6.49E-04	5.84E-05	1.29E-04	4.77E-04	4.20E-05	1.46E-05	8.35E-05	9.97E-06	1.33E-05	4.37E-05	3.02E-06
7998	470501.21	3819740	0.00015684	6.59E-04	5.93E-05	1.31E-04	4.84E-04	4.26E-05	1.48E-05	8.48E-05	1.01E-05	1.35E-05	4.44E-05	3.06E-06
7999	470492.47	3819743.49	0.00015927	6.69E-04	6.02E-05	1.33E-04	4.91E-04	4.32E-05	1.50E-05	8.61E-05	1.03E-05	1.37E-05	4.51E-05	3.11E-06
8000	470483.73	3819746.98	0.00016176	6.79E-04	6.12E-05	1.35E-04	4.99E-04	4.39E-05	1.53E-05	8.74E-05	1.04E-05	1.39E-05	4.58E-05	3.16E-06
8001	470474.99	3819750.47	0.00016432	6.90E-04	6.21E-05	1.37E-04	5.07E-04	4.46E-05	1.55E-05	8.88E-05	1.06E-05	1.41E-05	4.65E-05	3.21E-06
8002	470466.25	3819753.97	0.00016694	7.01E-04	6.31E-05	1.39E-04	5.15E-04	4.53E-05	1.58E-05	9.02E-05	1.08E-05	1.43E-05	4.73E-05	3.26E-06
8003	470457.51	3819757.46	0.00016965	7.12E-04	6.42E-05	1.41E-04	5.24E-04	4.61E-05	1.60E-05	9.17E-05	1.09E-05	1.46E-05	4.80E-05	3.31E-06
8004	470448.77	3819760.95	0.00017245	7.24E-04	6.52E-05	1.44E-04	5.32E-04	4.68E-05	1.63E-05	9.32E-05	1.11E-05	1.48E-05	4.88E-05	3.37E-06
8005	470440.03	3819764.44	0.00017536	7.36E-04	6.63E-05	1.46E-04	5.41E-04	4.76E-05	1.66E-05	9.48E-05	1.13E-05	1.51E-05	4.96E-05	3.42E-06
8006	470431.29	3819767.93	0.00017838	7.49E-04	6.75E-05	1.49E-04	5.50E-04	4.84E-05	1.68E-05	9.64E-05	1.15E-05	1.53E-05	5.05E-05	3.48E-06
8007	470422.55	3819771.43	0.00018147	7.62E-04	6.86E-05	1.51E-04	5.60E-04	4.93E-05	1.71E-05	9.81E-05	1.17E-05	1.56E-05	5.14E-05	3.54E-06
8008	470413.81	3819774.92	0.00018465	7.75E-04	6.98E-05	1.54E-04	5.70E-04	5.01E-05	1.74E-05	9.98E-05	1.19E-05	1.59E-05	5.23E-05	3.60E-06
8009	470405.07	3819778.41	0.0001879	7.89E-04	7.11E-05	1.57E-04	5.80E-04	5.10E-05	1.77E-05	1.02E-04	1.21E-05	1.61E-05	5.32E-05	3.67E-06
8010	470396.33	3819781.9	0.0001912	8.03E-04	7.23E-05	1.59E-04	5.90E-04	5.19E-05	1.81E-05	1.03E-04	1.23E-05	1.64E-05	5.41E-05	3.73E-06
8011	470387.59	3819785.39	0.00019452	8.17E-04	7.36E-05	1.62E-04	6.00E-04	5.28E-05	1.84E-05	1.05E-04	1.25E-05	1.67E-05	5.51E-05	3.80E-06
8012	470378.84	3819788.89	0.00019786	8.31E-04	7.48E-05	1.65E-04	6.11E-04	5.37E-05	1.87E-05	1.07E-04	1.28E-05	1.70E-05	5.60E-05	3.86E-06
8013	470370.1	3819792.38	0.00020127	8.45E-04	7.61E-05	1.68E-04	6.21E-04	5.46E-05	1.90E-05	1.09E-04	1.30E-05	1.73E-05	5.70E-05	3.93E-06
8014	470361.36	3819795.87	0.00020465	8.59E-04	7.74E-05	1.70E-04	6.32E-04	5.56E-05	1.93E-05	1.11E-04	1.32E-05	1.76E-05	5.79E-05	3.99E-06
8015	470352.62	3819799.36	0.00020793	8.73E-04	7.86E-05	1.73E-04	6.42E-04	5.64E-05	1.96E-05	1.12E-04	1.34E-05	1.79E-05	5.89E-05	4.06E-06
8016	470343.88	3819802.86	0.00021098	8.86E-04	7.98E-05	1.76E-04	6.51E-04	5.73E-05	1.99E-05	1.14E-04	1.36E-05	1.81E-05	5.97E-05	4.12E-06
8017	470335.14	3819806.35	0.0002139	8.98E-04	8.09E-05	1.78E-04	6.60E-04	5.81E-05	2.02E-05	1.16E-04	1.38E-05	1.84E-05	6.05E-05	4.17E-06
8018	470326.4	3819809.84	0.00021671	9.10E-04	8.20E-05	1.81E-04	6.69E-04	5.88E-05	2.05E-05	1.17E-04	1.40E-05	1.86E-05	6.13E-05	4.23E-06
8019	470317.66	3819813.33	0.0002194	9.21E-04	8.30E-05	1.83E-04	6.77E-04	5.96E-05	2.07E-05	1.19E-04	1.42E-05	1.88E-05	6.21E-05	4.28E-06
8020	470308.92	3819816.82	0.00022198	9.32E-04	8.40E-05	1.85E-04	6.85E-04	6.03E-05	2.10E-05	1.20E-04	1.43E-05	1.91E-05	6.28E-05	4.33E-06
8021	470300.18	3819820.32	0.00022437	9.42E-04	8.49E-05	1.87E-04	6.92E-04	6.09E-05	2.12E-05	1.21E-04	1.45E-05	1.93E-05	6.35E-05	4.38E-06
8022	470659.24	3819454.09	0.00017145	7.20E-04	6.48E-05	1.43E-04	5.29E-04	4.65E-05	1.62E-05	9.27E-05	1.11E-05	1.47E-05	4.85E-05	3.35E-06
8023	470659.32	3819444.44	0.00017215	7.23E-04	6.51E-05	1.43E-04	5.31E-04	4.67E-05	1.63E-05	9.31E-05	1.11E-05	1.48E-05	4.87E-05	3.36E-06
8024	470659.4	3819434.79	0.00017258	7.25E-04	6.53E-05	1.44E-04	5.33E-04	4.68E-05	1.63E-05	9.33E-05	1.11E-05	1.48E-05	4.89E-05	3.37E-06
8025	470659.48	3819425.14	0.00017271	7.25E-04	6.53E-05	1.44E-04	5.33E-04	4.69E-05	1.63E-05	9.34E-05	1.11E-05	1.48E-05	4.89E-05	3.37E-06
8026	470659.57	3819415.5	0.00017254	7.25E-04	6.53E-05	1.44E-04	5.32E-04	4.68E-05	1.63E-05	9.33E-05	1.11E-05	1.48E-05	4.88E-05	3.37E-06
8027	470659.65	3819405.85	0.00017206	7.23E-04	6.51E-05	1.43E-04	5.31E-04	4.67E-05	1.62E-05	9.30E-05	1.11E-05	1.48E-05	4.87E-05	3.36E-06
8028	470660.31	3819328.66	0.0001568	6.58E-04	5.93E-05	1.31E-04	4.84E-04	4.26E-05	1.48E-05	8.48E-05	1.01E-05	1.35E-05	4.44E-05	3.06E-06
8029	470660.39	3819319.01	0.00015354	6.45E-04	5.81E-05	1.28E-04	4.74E-04	4.17E-05	1.45E-05	8.30E-05	9.90E-06	1.32E-05	4.35E-05	3.00E-06
8030	470660.48	3819309.37	0.00015003	6.30E-04	5.67E-05	1.25E-04	4.63E-04	4.07E-05	1.42E-05	8.11E-05	9.68E-06	1.29E-05	4.25E-05	2.93E-06
8031	470660.56	3819299.72	0.00014628	6.14E-04	5.53E-05	1.22E-04	4.51E-04	3.97E-05	1.38E-05	7.91E-05	9.44E-06	1.26E-05	4.14E-05	2.85E-06
8032	470660.64	3819290.07	0.00014233	5.98E-04	5.38E-05	1.19E-04	4.39E-04	3.86E-05	1.34E-05	7.69E-05	9.18E-06	1.22E-05	4.03E-05	2.78E-06
8033	470660.73	3819280.42	0.00013819	5.80E-04	5.23E-05	1.15E-04	4.26E-04	3.75E-05	1.30E-05	7.47E-05	8.91E-06	1.19E-05	3.91E-05	2.70E-06
8034	470660.81	3819270.77	0.00013391	5.62E-04	5.06E-05	1.12E-04	4.13E-04	3.64E-05	1.26E-05	7.24E-05	8.64E-06	1.15E-05	3.79E-05	2.61E-06
8035	470660.89	3819261.12	0.00012949	5.44E-04	4.90E-05	1.08E-04	4.00E-04	3.52E-05	1.22E-05	7.00E-05	8.35E-06	1.11E-05	3.67E-05	2.53E-06
8036	470660.97	3819251.48	0.00012497	5.25E-04	4.73E-05	1.04E-04	3.86E-04	3.39E-05	1.18E-05	6.76E-05	8.06E-06	1.07E-05	3.54E-05	2.44E-06
8037	470661.06	3819241.83	0.00012037	5.06E-04	4.55E-05	1.00E-04	3.71E-04	3.27E-05	1.14E-05	6.51E-05	7.76E-06	1.03E-05	3.41E-05	2.35E-06

8038	470695.52	3819463.16	0.00014686	6.17E-04	5.55E-05	1.22E-04	4.53E-04	3.99E-05	1.39E-05	7.94E-05	9.47E-06	1.26E-05	4.16E-05	2.87E-06
8039	470691.8	3819471.88	0.00014831	6.23E-04	5.61E-05	1.24E-04	4.58E-04	4.03E-05	1.40E-05	8.02E-05	9.57E-06	1.27E-05	4.20E-05	2.89E-06
8040	470688.09	3819480.61	0.00014958	6.28E-04	5.66E-05	1.25E-04	4.62E-04	4.06E-05	1.41E-05	8.09E-05	9.65E-06	1.28E-05	4.23E-05	2.92E-06
8041	470684.37	3819489.34	0.00015069	6.33E-04	5.70E-05	1.26E-04	4.65E-04	4.09E-05	1.42E-05	8.15E-05	9.72E-06	1.29E-05	4.27E-05	2.94E-06
8042	470680.65	3819498.06	0.00015161	6.37E-04	5.73E-05	1.26E-04	4.68E-04	4.12E-05	1.43E-05	8.20E-05	9.78E-06	1.30E-05	4.29E-05	2.96E-06
8043	470676.94	3819506.79	0.00015235	6.40E-04	5.76E-05	1.27E-04	4.70E-04	4.14E-05	1.44E-05	8.24E-05	9.83E-06	1.31E-05	4.31E-05	2.97E-06
8044	470673.22	3819515.52	0.00015292	6.42E-04	5.78E-05	1.27E-04	4.72E-04	4.15E-05	1.44E-05	8.27E-05	9.86E-06	1.31E-05	4.33E-05	2.98E-06
8045	470669.5	3819524.24	0.00015332	6.44E-04	5.80E-05	1.28E-04	4.73E-04	4.16E-05	1.45E-05	8.29E-05	9.89E-06	1.32E-05	4.34E-05	2.99E-06
8046	470665.79	3819532.97	0.00015353	6.45E-04	5.81E-05	1.28E-04	4.74E-04	4.17E-05	1.45E-05	8.30E-05	9.90E-06	1.32E-05	4.35E-05	3.00E-06
8047	470662.07	3819541.7	0.0001536	6.45E-04	5.81E-05	1.28E-04	4.74E-04	4.17E-05	1.45E-05	8.30E-05	9.91E-06	1.32E-05	4.35E-05	3.00E-06
8048	470658.35	3819550.42	0.0001535	6.45E-04	5.81E-05	1.28E-04	4.74E-04	4.17E-05	1.45E-05	8.30E-05	9.90E-06	1.32E-05	4.35E-05	3.00E-06
8049	470654.64	3819559.15	0.00015325	6.44E-04	5.80E-05	1.28E-04	4.73E-04	4.16E-05	1.45E-05	8.28E-05	9.88E-06	1.32E-05	4.34E-05	2.99E-06
8050	470650.92	3819567.88	0.00015285	6.42E-04	5.78E-05	1.27E-04	4.72E-04	4.15E-05	1.44E-05	8.26E-05	9.86E-06	1.31E-05	4.33E-05	2.98E-06
8051	470555.26	3819758.17	0.00012884	5.41E-04	4.87E-05	1.07E-04	3.98E-04	3.50E-05	1.22E-05	6.97E-05	8.31E-06	1.11E-05	3.65E-05	2.51E-06
8052	470546.45	3819761.69	0.00013056	5.48E-04	4.94E-05	1.09E-04	4.03E-04	3.54E-05	1.23E-05	7.06E-05	8.42E-06	1.12E-05	3.70E-05	2.55E-06
8053	470537.64	3819765.21	0.00013231	5.56E-04	5.00E-05	1.10E-04	4.08E-04	3.59E-05	1.25E-05	7.15E-05	8.53E-06	1.14E-05	3.75E-05	2.58E-06
8054	470528.84	3819768.73	0.00013413	5.63E-04	5.07E-05	1.12E-04	4.14E-04	3.64E-05	1.27E-05	7.25E-05	8.65E-06	1.15E-05	3.80E-05	2.62E-06
8055	470520.03	3819772.25	0.00013605	5.71E-04	5.15E-05	1.13E-04	4.20E-04	3.69E-05	1.28E-05	7.35E-05	8.78E-06	1.17E-05	3.85E-05	2.65E-06
8056	470511.22	3819775.77	0.00013802	5.80E-04	5.22E-05	1.15E-04	4.26E-04	3.75E-05	1.30E-05	7.46E-05	8.90E-06	1.18E-05	3.91E-05	2.69E-06
8057	470502.41	3819779.29	0.00014003	5.88E-04	5.30E-05	1.17E-04	4.32E-04	3.80E-05	1.32E-05	7.57E-05	9.03E-06	1.20E-05	3.96E-05	2.73E-06
8058	470493.6	3819782.81	0.00014209	5.97E-04	5.37E-05	1.18E-04	4.38E-04	3.86E-05	1.34E-05	7.68E-05	9.16E-06	1.22E-05	4.02E-05	2.77E-06
8059	470484.8	3819786.33	0.00014422	6.06E-04	5.45E-05	1.20E-04	4.45E-04	3.91E-05	1.36E-05	7.80E-05	9.30E-06	1.24E-05	4.08E-05	2.81E-06
8060	470475.99	3819789.85	0.00014643	6.15E-04	5.54E-05	1.22E-04	4.52E-04	3.98E-05	1.38E-05	7.92E-05	9.45E-06	1.26E-05	4.14E-05	2.86E-06
8061	470467.18	3819793.37	0.00014874	6.25E-04	5.63E-05	1.24E-04	4.59E-04	4.04E-05	1.40E-05	8.04E-05	9.59E-06	1.28E-05	4.21E-05	2.90E-06
8062	470458.37	3819796.89	0.00015113	6.35E-04	5.72E-05	1.26E-04	4.66E-04	4.10E-05	1.43E-05	8.17E-05	9.75E-06	1.30E-05	4.28E-05	2.95E-06
8063	470449.56	3819800.41	0.00015361	6.45E-04	5.81E-05	1.28E-04	4.74E-04	4.17E-05	1.45E-05	8.30E-05	9.91E-06	1.32E-05	4.35E-05	3.00E-06
8064	470440.76	3819803.92	0.00015617	6.56E-04	5.91E-05	1.30E-04	4.82E-04	4.24E-05	1.47E-05	8.44E-05	1.01E-05	1.34E-05	4.42E-05	3.05E-06
8065	470431.95	3819807.44	0.00015882	6.67E-04	6.01E-05	1.32E-04	4.90E-04	4.31E-05	1.50E-05	8.59E-05	1.02E-05	1.36E-05	4.50E-05	3.10E-06
8066	470423.14	3819810.96	0.00016155	6.78E-04	6.11E-05	1.35E-04	4.99E-04	4.39E-05	1.53E-05	8.73E-05	1.04E-05	1.39E-05	4.57E-05	3.15E-06
8067	470414.33	3819814.48	0.00016435	6.90E-04	6.22E-05	1.37E-04	5.07E-04	4.46E-05	1.55E-05	8.88E-05	1.06E-05	1.41E-05	4.65E-05	3.21E-06
8068	470405.52	3819818	0.00016716	7.02E-04	6.32E-05	1.39E-04	5.16E-04	4.54E-05	1.58E-05	9.04E-05	1.08E-05	1.44E-05	4.73E-05	3.26E-06
8069	470396.72	3819821.52	0.00016995	7.14E-04	6.43E-05	1.42E-04	5.24E-04	4.61E-05	1.60E-05	9.19E-05	1.10E-05	1.46E-05	4.81E-05	3.32E-06
8070	470387.91	3819825.04	0.00017275	7.25E-04	6.53E-05	1.44E-04	5.33E-04	4.69E-05	1.63E-05	9.34E-05	1.11E-05	1.48E-05	4.89E-05	3.37E-06
8071	470379.1	3819828.56	0.00017547	7.37E-04	6.64E-05	1.46E-04	5.41E-04	4.76E-05	1.66E-05	9.49E-05	1.13E-05	1.51E-05	4.97E-05	3.42E-06
8072	470370.29	3819832.08	0.0001781	7.48E-04	6.74E-05	1.48E-04	5.50E-04	4.83E-05	1.68E-05	9.63E-05	1.15E-05	1.53E-05	5.04E-05	3.48E-06
8073	470361.48	3819835.6	0.00018066	7.59E-04	6.83E-05	1.50E-04	5.57E-04	4.90E-05	1.71E-05	9.77E-05	1.17E-05	1.55E-05	5.11E-05	3.53E-06
8074	470352.68	3819839.12	0.00018315	7.69E-04	6.93E-05	1.53E-04	5.65E-04	4.97E-05	1.73E-05	9.90E-05	1.18E-05	1.57E-05	5.18E-05	3.57E-06
8075	470343.87	3819842.64	0.0001856	7.79E-04	7.02E-05	1.55E-04	5.73E-04	5.04E-05	1.75E-05	1.00E-04	1.20E-05	1.59E-05	5.25E-05	3.62E-06
8076	470335.06	3819846.15	0.00018796	7.89E-04	7.11E-05	1.57E-04	5.80E-04	5.10E-05	1.77E-05	1.02E-04	1.21E-05	1.61E-05	5.32E-05	3.67E-06
8077	470326.25	3819849.67	0.0001902	7.99E-04	7.19E-05	1.58E-04	5.87E-04	5.16E-05	1.80E-05	1.03E-04	1.23E-05	1.63E-05	5.38E-05	3.71E-06
8078	470317.44	3819853.19	0.00019231	8.08E-04	7.27E-05	1.60E-04	5.93E-04	5.22E-05	1.82E-05	1.04E-04	1.24E-05	1.65E-05	5.44E-05	3.75E-06
8079	470308.64	3819856.71	0.00019427	8.16E-04	7.35E-05	1.62E-04	5.99E-04	5.27E-05	1.83E-05	1.05E-04	1.25E-05	1.67E-05	5.50E-05	3.79E-06
8080	470299.83	3819860.23	0.00019608	8.23E-04	7.42E-05	1.63E-04	6.05E-04	5.32E-05	1.85E-05	1.06E-04	1.26E-05	1.68E-05	5.55E-05	3.83E-06

8081	470699.23	3819454.43	0.00014525	6.10E-04	5.49E-05	1.21E-04	4.48E-04	3.94E-05	1.37E-05	7.85E-05	9.37E-06	1.25E-05	4.11E-05	2.83E-06
8082	470699.32	3819444.78	0.00014561	6.11E-04	5.51E-05	1.21E-04	4.49E-04	3.95E-05	1.38E-05	7.87E-05	9.39E-06	1.25E-05	4.12E-05	2.84E-06
8083	470699.81	3819386.89	0.00014321	6.01E-04	5.42E-05	1.19E-04	4.42E-04	3.89E-05	1.35E-05	7.74E-05	9.24E-06	1.23E-05	4.05E-05	2.79E-06
8084	470699.9	3819377.25	0.00014199	5.96E-04	5.37E-05	1.18E-04	4.38E-04	3.85E-05	1.34E-05	7.68E-05	9.16E-06	1.22E-05	4.02E-05	2.77E-06
8085	470699.98	3819367.6	0.00014054	5.90E-04	5.31E-05	1.17E-04	4.34E-04	3.81E-05	1.33E-05	7.60E-05	9.06E-06	1.21E-05	3.98E-05	2.74E-06
8086	470700.06	3819357.95	0.00013885	5.83E-04	5.25E-05	1.16E-04	4.28E-04	3.77E-05	1.31E-05	7.51E-05	8.96E-06	1.19E-05	3.93E-05	2.71E-06
8087	470700.14	3819348.3	0.00013693	5.75E-04	5.18E-05	1.14E-04	4.23E-04	3.72E-05	1.29E-05	7.40E-05	8.83E-06	1.18E-05	3.88E-05	2.67E-06
8088	470700.23	3819338.65	0.00013479	5.66E-04	5.10E-05	1.12E-04	4.16E-04	3.66E-05	1.27E-05	7.29E-05	8.69E-06	1.16E-05	3.82E-05	2.63E-06
8089	470700.31	3819329	0.00013244	5.56E-04	5.01E-05	1.10E-04	4.09E-04	3.60E-05	1.25E-05	7.16E-05	8.54E-06	1.14E-05	3.75E-05	2.58E-06
8090	470700.39	3819319.36	0.00012989	5.46E-04	4.91E-05	1.08E-04	4.01E-04	3.53E-05	1.23E-05	7.02E-05	8.38E-06	1.12E-05	3.68E-05	2.53E-06
8091	470700.48	3819309.71	0.00012714	5.34E-04	4.81E-05	1.06E-04	3.92E-04	3.45E-05	1.20E-05	6.87E-05	8.20E-06	1.09E-05	3.60E-05	2.48E-06
8092	470700.56	3819300.06	0.00012421	5.22E-04	4.70E-05	1.03E-04	3.83E-04	3.37E-05	1.17E-05	6.71E-05	8.01E-06	1.07E-05	3.52E-05	2.42E-06
8093	470700.64	3819290.41	0.00012112	5.09E-04	4.58E-05	1.01E-04	3.74E-04	3.29E-05	1.14E-05	6.55E-05	7.81E-06	1.04E-05	3.43E-05	2.36E-06
8094	470700.72	3819280.76	0.00011789	4.95E-04	4.46E-05	9.82E-05	3.64E-04	3.20E-05	1.11E-05	6.37E-05	7.60E-06	1.01E-05	3.34E-05	2.30E-06
8095	470700.81	3819271.12	0.00011455	4.81E-04	4.33E-05	9.54E-05	3.53E-04	3.11E-05	1.08E-05	6.19E-05	7.39E-06	9.83E-06	3.24E-05	2.24E-06
8096	470700.89	3819261.47	0.0001111	4.67E-04	4.20E-05	9.25E-05	3.43E-04	3.02E-05	1.05E-05	6.01E-05	7.17E-06	9.54E-06	3.14E-05	2.17E-06
8097	470700.97	3819251.82	0.00010756	4.52E-04	4.07E-05	8.96E-05	3.32E-04	2.92E-05	1.02E-05	5.81E-05	6.94E-06	9.23E-06	3.04E-05	2.10E-06
8098	470701.05	3819242.17	0.00010395	4.37E-04	3.93E-05	8.66E-05	3.21E-04	2.82E-05	9.82E-06	5.62E-05	6.70E-06	8.92E-06	2.94E-05	2.03E-06
8099	470728.01	3819481.12	0.00012834	5.39E-04	4.85E-05	1.07E-04	3.96E-04	3.48E-05	1.21E-05	6.94E-05	8.28E-06	1.10E-05	3.63E-05	2.50E-06
8100	470724.27	3819489.91	0.00012938	5.43E-04	4.89E-05	1.08E-04	3.99E-04	3.51E-05	1.22E-05	6.99E-05	8.35E-06	1.11E-05	3.66E-05	2.52E-06
8101	470720.53	3819498.69	0.0001303	5.47E-04	4.93E-05	1.09E-04	4.02E-04	3.54E-05	1.23E-05	7.04E-05	8.40E-06	1.12E-05	3.69E-05	2.54E-06
8102	470716.79	3819507.47	0.00013108	5.50E-04	4.96E-05	1.09E-04	4.04E-04	3.56E-05	1.24E-05	7.09E-05	8.45E-06	1.13E-05	3.71E-05	2.56E-06
8103	470713.05	3819516.25	0.00013172	5.53E-04	4.98E-05	1.10E-04	4.06E-04	3.58E-05	1.24E-05	7.12E-05	8.50E-06	1.13E-05	3.73E-05	2.57E-06
8104	470709.31	3819525.04	0.00013223	5.55E-04	5.00E-05	1.10E-04	4.08E-04	3.59E-05	1.25E-05	7.15E-05	8.53E-06	1.14E-05	3.74E-05	2.58E-06
8105	470705.57	3819533.82	0.0001326	5.57E-04	5.01E-05	1.10E-04	4.09E-04	3.60E-05	1.25E-05	7.17E-05	8.55E-06	1.14E-05	3.75E-05	2.59E-06
8106	470701.83	3819542.6	0.00013284	5.58E-04	5.02E-05	1.11E-04	4.10E-04	3.61E-05	1.25E-05	7.18E-05	8.57E-06	1.14E-05	3.76E-05	2.59E-06
8107	470698.09	3819551.38	0.00013295	5.58E-04	5.03E-05	1.11E-04	4.10E-04	3.61E-05	1.26E-05	7.19E-05	8.58E-06	1.14E-05	3.76E-05	2.59E-06
8108	470694.35	3819560.17	0.00013294	5.58E-04	5.03E-05	1.11E-04	4.10E-04	3.61E-05	1.26E-05	7.19E-05	8.58E-06	1.14E-05	3.76E-05	2.59E-06
8109	470690.61	3819568.95	0.00013281	5.58E-04	5.02E-05	1.11E-04	4.10E-04	3.61E-05	1.25E-05	7.18E-05	8.57E-06	1.14E-05	3.76E-05	2.59E-06
8110	470686.87	3819577.73	0.00013257	5.57E-04	5.01E-05	1.10E-04	4.09E-04	3.60E-05	1.25E-05	7.17E-05	8.55E-06	1.14E-05	3.75E-05	2.59E-06
8111	470683.13	3819586.52	0.00013222	5.55E-04	5.00E-05	1.10E-04	4.08E-04	3.59E-05	1.25E-05	7.15E-05	8.53E-06	1.14E-05	3.74E-05	2.58E-06
8112	470679.39	3819595.3	0.00013178	5.53E-04	4.98E-05	1.10E-04	4.07E-04	3.58E-05	1.24E-05	7.12E-05	8.50E-06	1.13E-05	3.73E-05	2.57E-06
8113	470675.65	3819604.08	0.00013123	5.51E-04	4.96E-05	1.09E-04	4.05E-04	3.56E-05	1.24E-05	7.09E-05	8.46E-06	1.13E-05	3.71E-05	2.56E-06
8114	470529.92	3819808.07	0.00012082	5.07E-04	4.57E-05	1.01E-04	3.73E-04	3.28E-05	1.14E-05	6.53E-05	7.79E-06	1.04E-05	3.42E-05	2.36E-06
8115	470521.06	3819811.61	0.00012245	5.14E-04	4.63E-05	1.02E-04	3.78E-04	3.32E-05	1.16E-05	6.62E-05	7.90E-06	1.05E-05	3.47E-05	2.39E-06
8116	470512.19	3819815.16	0.00012415	5.21E-04	4.70E-05	1.03E-04	3.83E-04	3.37E-05	1.17E-05	6.71E-05	8.01E-06	1.07E-05	3.51E-05	2.42E-06
8117	470503.33	3819818.7	0.00012592	5.29E-04	4.76E-05	1.05E-04	3.89E-04	3.42E-05	1.19E-05	6.81E-05	8.12E-06	1.08E-05	3.56E-05	2.46E-06
8118	470494.46	3819822.24	0.00012777	5.37E-04	4.83E-05	1.06E-04	3.94E-04	3.47E-05	1.21E-05	6.91E-05	8.24E-06	1.10E-05	3.62E-05	2.49E-06
8119	470485.6	3819825.78	0.00012969	5.45E-04	4.90E-05	1.08E-04	4.00E-04	3.52E-05	1.22E-05	7.01E-05	8.37E-06	1.11E-05	3.67E-05	2.53E-06
8120	470476.73	3819829.32	0.00013169	5.53E-04	4.98E-05	1.10E-04	4.06E-04	3.57E-05	1.24E-05	7.12E-05	8.49E-06	1.13E-05	3.73E-05	2.57E-06
8121	470467.87	3819832.86	0.00013376	5.62E-04	5.06E-05	1.11E-04	4.13E-04	3.63E-05	1.26E-05	7.23E-05	8.63E-06	1.15E-05	3.79E-05	2.61E-06
8122	470459.01	3819836.41	0.00013589	5.71E-04	5.14E-05	1.13E-04	4.19E-04	3.69E-05	1.28E-05	7.35E-05	8.77E-06	1.17E-05	3.85E-05	2.65E-06
8123	470450.14	3819839.95	0.00013809	5.80E-04	5.22E-05	1.15E-04	4.26E-04	3.75E-05	1.30E-05	7.47E-05	8.91E-06	1.19E-05	3.91E-05	2.69E-06

8124	470441.28	3819843.49	0.00014035	5.89E-04	5.31E-05	1.17E-04	4.33E-04	3.81E-05	1.33E-05	7.59E-05	9.05E-06	1.20E-05	3.97E-05	2.74E-06
8125	470432.41	3819847.03	0.0001427	5.99E-04	5.40E-05	1.19E-04	4.40E-04	3.87E-05	1.35E-05	7.71E-05	9.20E-06	1.23E-05	4.04E-05	2.78E-06
8126	470423.55	3819850.57	0.00014507	6.09E-04	5.49E-05	1.21E-04	4.48E-04	3.94E-05	1.37E-05	7.84E-05	9.36E-06	1.25E-05	4.11E-05	2.83E-06
8127	470414.68	3819854.12	0.00014746	6.19E-04	5.58E-05	1.23E-04	4.55E-04	4.00E-05	1.39E-05	7.97E-05	9.51E-06	1.27E-05	4.17E-05	2.88E-06
8128	470405.82	3819857.66	0.0001498	6.29E-04	5.67E-05	1.25E-04	4.62E-04	4.07E-05	1.41E-05	8.10E-05	9.66E-06	1.29E-05	4.24E-05	2.92E-06
8129	470396.95	3819861.2	0.00015206	6.39E-04	5.75E-05	1.27E-04	4.69E-04	4.13E-05	1.44E-05	8.22E-05	9.81E-06	1.31E-05	4.30E-05	2.97E-06
8130	470388.09	3819864.74	0.0001543	6.48E-04	5.84E-05	1.29E-04	4.76E-04	4.19E-05	1.46E-05	8.34E-05	9.95E-06	1.32E-05	4.37E-05	3.01E-06
8131	470379.22	3819868.28	0.0001565	6.57E-04	5.92E-05	1.30E-04	4.83E-04	4.25E-05	1.48E-05	8.46E-05	1.01E-05	1.34E-05	4.43E-05	3.05E-06
8132	470370.36	3819871.83	0.00015869	6.66E-04	6.00E-05	1.32E-04	4.90E-04	4.31E-05	1.50E-05	8.58E-05	1.02E-05	1.36E-05	4.49E-05	3.10E-06
8133	470361.49	3819875.37	0.0001608	6.75E-04	6.08E-05	1.34E-04	4.96E-04	4.37E-05	1.52E-05	8.69E-05	1.04E-05	1.38E-05	4.55E-05	3.14E-06
8134	470352.63	3819878.91	0.00016284	6.84E-04	6.16E-05	1.36E-04	5.02E-04	4.42E-05	1.54E-05	8.80E-05	1.05E-05	1.40E-05	4.61E-05	3.18E-06
8135	470343.76	3819882.45	0.00016479	6.92E-04	6.23E-05	1.37E-04	5.09E-04	4.47E-05	1.56E-05	8.91E-05	1.06E-05	1.41E-05	4.66E-05	3.22E-06
8136	470334.9	3819885.99	0.00016663	7.00E-04	6.30E-05	1.39E-04	5.14E-04	4.52E-05	1.57E-05	9.01E-05	1.07E-05	1.43E-05	4.72E-05	3.25E-06
8137	470326.03	3819889.53	0.00016836	7.07E-04	6.37E-05	1.40E-04	5.20E-04	4.57E-05	1.59E-05	9.10E-05	1.09E-05	1.45E-05	4.77E-05	3.29E-06
8138	470317.17	3819893.08	0.00016992	7.14E-04	6.43E-05	1.42E-04	5.24E-04	4.61E-05	1.60E-05	9.19E-05	1.10E-05	1.46E-05	4.81E-05	3.32E-06
8139	470308.31	3819896.62	0.00017136	7.20E-04	6.48E-05	1.43E-04	5.29E-04	4.65E-05	1.62E-05	9.26E-05	1.11E-05	1.47E-05	4.85E-05	3.34E-06
8140	470299.44	3819900.16	0.0001727	7.25E-04	6.53E-05	1.44E-04	5.33E-04	4.69E-05	1.63E-05	9.34E-05	1.11E-05	1.48E-05	4.89E-05	3.37E-06
8141	470739.4	3819435.48	0.00012456	5.23E-04	4.71E-05	1.04E-04	3.84E-04	3.38E-05	1.18E-05	6.73E-05	8.03E-06	1.07E-05	3.53E-05	2.43E-06
8142	470739.48	3819425.83	0.00012441	5.22E-04	4.70E-05	1.04E-04	3.84E-04	3.38E-05	1.17E-05	6.73E-05	8.02E-06	1.07E-05	3.52E-05	2.43E-06
8143	470739.56	3819416.18	0.00012408	5.21E-04	4.69E-05	1.03E-04	3.83E-04	3.37E-05	1.17E-05	6.71E-05	8.00E-06	1.07E-05	3.51E-05	2.42E-06
8144	470739.65	3819406.53	0.00012358	5.19E-04	4.67E-05	1.03E-04	3.81E-04	3.35E-05	1.17E-05	6.68E-05	7.97E-06	1.06E-05	3.50E-05	2.41E-06
8145	470739.73	3819396.88	0.00012291	5.16E-04	4.65E-05	1.02E-04	3.79E-04	3.34E-05	1.16E-05	6.64E-05	7.93E-06	1.06E-05	3.48E-05	2.40E-06
8146	470739.81	3819387.24	0.00012205	5.13E-04	4.62E-05	1.02E-04	3.77E-04	3.31E-05	1.15E-05	6.60E-05	7.87E-06	1.05E-05	3.45E-05	2.38E-06
8147	470739.89	3819377.59	0.00012101	5.08E-04	4.58E-05	1.01E-04	3.73E-04	3.29E-05	1.14E-05	6.54E-05	7.81E-06	1.04E-05	3.43E-05	2.36E-06
8148	470739.98	3819367.94	0.0001198	5.03E-04	4.53E-05	9.98E-05	3.70E-04	3.25E-05	1.13E-05	6.48E-05	7.73E-06	1.03E-05	3.39E-05	2.34E-06
8149	470740.06	3819358.29	0.00011841	4.97E-04	4.48E-05	9.86E-05	3.65E-04	3.21E-05	1.12E-05	6.40E-05	7.64E-06	1.02E-05	3.35E-05	2.31E-06
8150	470740.14	3819348.64	0.00011684	4.91E-04	4.42E-05	9.73E-05	3.61E-04	3.17E-05	1.10E-05	6.32E-05	7.54E-06	1.00E-05	3.31E-05	2.28E-06
8151	470740.23	3819339	0.00011512	4.83E-04	4.35E-05	9.59E-05	3.55E-04	3.13E-05	1.09E-05	6.22E-05	7.43E-06	9.88E-06	3.26E-05	2.25E-06
8152	470740.31	3819329.35	0.00011325	4.76E-04	4.28E-05	9.43E-05	3.49E-04	3.07E-05	1.07E-05	6.12E-05	7.30E-06	9.72E-06	3.21E-05	2.21E-06
8153	470740.39	3819319.7	0.00011122	4.67E-04	4.21E-05	9.26E-05	3.43E-04	3.02E-05	1.05E-05	6.01E-05	7.17E-06	9.55E-06	3.15E-05	2.17E-06
8154	470740.47	3819310.05	0.00010905	4.58E-04	4.12E-05	9.08E-05	3.36E-04	2.96E-05	1.03E-05	5.90E-05	7.03E-06	9.36E-06	3.09E-05	2.13E-06
8155	470740.56	3819300.4	0.00010673	4.48E-04	4.04E-05	8.89E-05	3.29E-04	2.90E-05	1.01E-05	5.77E-05	6.88E-06	9.16E-06	3.02E-05	2.08E-06
8156	470740.64	3819290.75	0.00010429	4.38E-04	3.94E-05	8.69E-05	3.22E-04	2.83E-05	9.85E-06	5.64E-05	6.73E-06	8.95E-06	2.95E-05	2.04E-06
8157	470740.72	3819281.11	0.00010175	4.27E-04	3.85E-05	8.48E-05	3.14E-04	2.76E-05	9.61E-06	5.50E-05	6.56E-06	8.73E-06	2.88E-05	1.99E-06
8158	470740.8	3819271.46	0.000099098	4.16E-04	3.75E-05	8.25E-05	3.06E-04	2.69E-05	9.36E-06	5.36E-05	6.39E-06	8.51E-06	2.81E-05	1.93E-06
8159	470740.89	3819261.81	0.000096356	4.05E-04	3.64E-05	8.03E-05	2.97E-04	2.62E-05	9.10E-06	5.21E-05	6.22E-06	8.27E-06	2.73E-05	1.88E-06
8160	470740.97	3819252.16	0.000093537	3.93E-04	3.54E-05	7.79E-05	2.89E-04	2.54E-05	8.83E-06	5.06E-05	6.03E-06	8.03E-06	2.65E-05	1.83E-06
8161	470741.05	3819242.51	0.000090665	3.81E-04	3.43E-05	7.55E-05	2.80E-04	2.46E-05	8.56E-06	4.90E-05	5.85E-06	7.78E-06	2.57E-05	1.77E-06
8162	470775.47	3819463.95	0.00010888	4.57E-04	4.12E-05	9.07E-05	3.36E-04	2.96E-05	1.03E-05	5.89E-05	7.02E-06	9.35E-06	3.08E-05	2.12E-06
8163	470771.71	3819472.78	0.00011005	4.62E-04	4.16E-05	9.17E-05	3.40E-04	2.99E-05	1.04E-05	5.95E-05	7.10E-06	9.45E-06	3.12E-05	2.15E-06
8164	470752.91	3819516.93	0.00011441	4.80E-04	4.33E-05	9.53E-05	3.53E-04	3.11E-05	1.08E-05	6.19E-05	7.38E-06	9.82E-06	3.24E-05	2.23E-06
8165	470749.15	3819525.76	0.00011497	4.83E-04	4.35E-05	9.58E-05	3.55E-04	3.12E-05	1.09E-05	6.22E-05	7.42E-06	9.87E-06	3.25E-05	2.24E-06
8166	470745.39	3819534.59	0.00011542	4.85E-04	4.37E-05	9.61E-05	3.56E-04	3.13E-05	1.09E-05	6.24E-05	7.44E-06	9.91E-06	3.27E-05	2.25E-06

8167	470741.62	3819543.42	0.00011578	4.86E-04	4.38E-05	9.64E-05	3.57E-04	3.14E-05	1.09E-05	6.26E-05	7.47E-06	9.94E-06	3.28E-05	2.26E-06
8168	470737.86	3819552.25	0.00011602	4.87E-04	4.39E-05	9.66E-05	3.58E-04	3.15E-05	1.10E-05	6.27E-05	7.48E-06	9.96E-06	3.28E-05	2.26E-06
8169	470734.1	3819561.08	0.00011617	4.88E-04	4.39E-05	9.68E-05	3.58E-04	3.15E-05	1.10E-05	6.28E-05	7.49E-06	9.97E-06	3.29E-05	2.27E-06
8170	470730.34	3819569.91	0.00011621	4.88E-04	4.40E-05	9.68E-05	3.59E-04	3.15E-05	1.10E-05	6.28E-05	7.50E-06	9.98E-06	3.29E-05	2.27E-06
8171	470726.58	3819578.74	0.00011617	4.88E-04	4.39E-05	9.68E-05	3.58E-04	3.15E-05	1.10E-05	6.28E-05	7.49E-06	9.97E-06	3.29E-05	2.27E-06
8172	470722.82	3819587.57	0.00011603	4.87E-04	4.39E-05	9.66E-05	3.58E-04	3.15E-05	1.10E-05	6.27E-05	7.48E-06	9.96E-06	3.28E-05	2.26E-06
8173	470719.06	3819596.41	0.0001158	4.86E-04	4.38E-05	9.65E-05	3.57E-04	3.14E-05	1.09E-05	6.26E-05	7.47E-06	9.94E-06	3.28E-05	2.26E-06
8174	470715.3	3819605.24	0.0001155	4.85E-04	4.37E-05	9.62E-05	3.56E-04	3.14E-05	1.09E-05	6.24E-05	7.45E-06	9.92E-06	3.27E-05	2.25E-06
8175	470711.54	3819614.07	0.00011512	4.83E-04	4.35E-05	9.59E-05	3.55E-04	3.13E-05	1.09E-05	6.22E-05	7.43E-06	9.88E-06	3.26E-05	2.25E-06
8176	470707.78	3819622.9	0.00011467	4.82E-04	4.34E-05	9.55E-05	3.54E-04	3.11E-05	1.08E-05	6.20E-05	7.40E-06	9.84E-06	3.25E-05	2.24E-06
8177	470704.02	3819631.73	0.00011415	4.79E-04	4.32E-05	9.51E-05	3.52E-04	3.10E-05	1.08E-05	6.17E-05	7.36E-06	9.80E-06	3.23E-05	2.23E-06
8178	470504.02	3819858.19	0.00011415	4.79E-04	4.32E-05	9.51E-05	3.52E-04	3.10E-05	1.08E-05	6.17E-05	7.36E-06	9.80E-06	3.23E-05	2.23E-06
8179	470495.11	3819861.75	0.00011583	4.86E-04	4.38E-05	9.65E-05	3.57E-04	3.14E-05	1.09E-05	6.26E-05	7.47E-06	9.94E-06	3.28E-05	2.26E-06
8180	470486.2	3819865.32	0.00011758	4.94E-04	4.45E-05	9.79E-05	3.63E-04	3.19E-05	1.11E-05	6.36E-05	7.58E-06	1.01E-05	3.33E-05	2.29E-06
8181	470477.29	3819868.88	0.00011939	5.01E-04	4.52E-05	9.94E-05	3.68E-04	3.24E-05	1.13E-05	6.45E-05	7.70E-06	1.02E-05	3.38E-05	2.33E-06
8182	470468.37	3819872.44	0.00012126	5.09E-04	4.59E-05	1.01E-04	3.74E-04	3.29E-05	1.15E-05	6.56E-05	7.82E-06	1.04E-05	3.43E-05	2.37E-06
8183	470459.46	3819876	0.00012316	5.17E-04	4.66E-05	1.03E-04	3.80E-04	3.34E-05	1.16E-05	6.66E-05	7.94E-06	1.06E-05	3.49E-05	2.40E-06
8184	470450.55	3819879.56	0.00012511	5.25E-04	4.73E-05	1.04E-04	3.86E-04	3.40E-05	1.18E-05	6.76E-05	8.07E-06	1.07E-05	3.54E-05	2.44E-06
8185	470441.63	3819883.12	0.0001271	5.34E-04	4.81E-05	1.06E-04	3.92E-04	3.45E-05	1.20E-05	6.87E-05	8.20E-06	1.09E-05	3.60E-05	2.48E-06
8186	470432.72	3819886.68	0.00012909	5.42E-04	4.88E-05	1.08E-04	3.98E-04	3.50E-05	1.22E-05	6.98E-05	8.33E-06	1.11E-05	3.65E-05	2.52E-06
8187	470423.81	3819890.24	0.00013109	5.51E-04	4.96E-05	1.09E-04	4.05E-04	3.56E-05	1.24E-05	7.09E-05	8.46E-06	1.13E-05	3.71E-05	2.56E-06
8188	470414.9	3819893.8	0.00013307	5.59E-04	5.03E-05	1.11E-04	4.11E-04	3.61E-05	1.26E-05	7.19E-05	8.58E-06	1.14E-05	3.77E-05	2.60E-06
8189	470405.98	3819897.37	0.00013504	5.67E-04	5.11E-05	1.12E-04	4.17E-04	3.67E-05	1.28E-05	7.30E-05	8.71E-06	1.16E-05	3.82E-05	2.64E-06
8190	470397.07	3819900.93	0.00013698	5.75E-04	5.18E-05	1.14E-04	4.23E-04	3.72E-05	1.29E-05	7.41E-05	8.84E-06	1.18E-05	3.88E-05	2.67E-06
8191	470388.16	3819904.49	0.00013887	5.83E-04	5.25E-05	1.16E-04	4.29E-04	3.77E-05	1.31E-05	7.51E-05	8.96E-06	1.19E-05	3.93E-05	2.71E-06
8192	470379.24	3819908.05	0.0001407	5.91E-04	5.32E-05	1.17E-04	4.34E-04	3.82E-05	1.33E-05	7.61E-05	9.08E-06	1.21E-05	3.98E-05	2.75E-06
8193	470370.33	3819911.61	0.00014247	5.98E-04	5.39E-05	1.19E-04	4.40E-04	3.87E-05	1.35E-05	7.70E-05	9.19E-06	1.22E-05	4.03E-05	2.78E-06
8194	470361.42	3819915.17	0.00014417	6.05E-04	5.45E-05	1.20E-04	4.45E-04	3.91E-05	1.36E-05	7.79E-05	9.30E-06	1.24E-05	4.08E-05	2.81E-06
8195	470352.51	3819918.73	0.00014577	6.12E-04	5.51E-05	1.21E-04	4.50E-04	3.96E-05	1.38E-05	7.88E-05	9.40E-06	1.25E-05	4.13E-05	2.84E-06
8196	470343.59	3819922.29	0.00014725	6.18E-04	5.57E-05	1.23E-04	4.54E-04	4.00E-05	1.39E-05	7.96E-05	9.50E-06	1.26E-05	4.17E-05	2.87E-06
8197	470334.68	3819925.85	0.00014863	6.24E-04	5.62E-05	1.24E-04	4.59E-04	4.03E-05	1.40E-05	8.03E-05	9.59E-06	1.28E-05	4.21E-05	2.90E-06
8198	470325.77	3819929.41	0.00014994	6.30E-04	5.67E-05	1.25E-04	4.63E-04	4.07E-05	1.42E-05	8.11E-05	9.67E-06	1.29E-05	4.24E-05	2.93E-06
8199	470316.85	3819932.98	0.00015118	6.35E-04	5.72E-05	1.26E-04	4.67E-04	4.10E-05	1.43E-05	8.17E-05	9.75E-06	1.30E-05	4.28E-05	2.95E-06
8200	470307.94	3819936.54	0.00015237	6.40E-04	5.76E-05	1.27E-04	4.70E-04	4.14E-05	1.44E-05	8.24E-05	9.83E-06	1.31E-05	4.31E-05	2.97E-06
8201	470299.03	3819940.1	0.00015347	6.45E-04	5.80E-05	1.28E-04	4.74E-04	4.17E-05	1.45E-05	8.30E-05	9.90E-06	1.32E-05	4.34E-05	2.99E-06
8202	470779.23	3819455.12	0.00010761	4.52E-04	4.07E-05	8.96E-05	3.32E-04	2.92E-05	1.02E-05	5.82E-05	6.94E-06	9.24E-06	3.05E-05	2.10E-06
8203	470779.31	3819445.47	0.00010764	4.52E-04	4.07E-05	8.97E-05	3.32E-04	2.92E-05	1.02E-05	5.82E-05	6.94E-06	9.24E-06	3.05E-05	2.10E-06
8204	470779.4	3819435.82	0.00010754	4.52E-04	4.07E-05	8.96E-05	3.32E-04	2.92E-05	1.02E-05	5.81E-05	6.94E-06	9.23E-06	3.04E-05	2.10E-06
8205	470779.48	3819426.17	0.00010734	4.51E-04	4.06E-05	8.94E-05	3.31E-04	2.91E-05	1.01E-05	5.80E-05	6.92E-06	9.21E-06	3.04E-05	2.09E-06
8206	470779.56	3819416.52	0.000107	4.49E-04	4.05E-05	8.91E-05	3.30E-04	2.90E-05	1.01E-05	5.78E-05	6.90E-06	9.19E-06	3.03E-05	2.09E-06
8207	470779.65	3819406.88	0.00010653	4.47E-04	4.03E-05	8.87E-05	3.29E-04	2.89E-05	1.01E-05	5.76E-05	6.87E-06	9.15E-06	3.02E-05	2.08E-06
8208	470779.73	3819397.23	0.00010592	4.45E-04	4.01E-05	8.82E-05	3.27E-04	2.88E-05	1.00E-05	5.73E-05	6.83E-06	9.09E-06	3.00E-05	2.07E-06
8209	470779.81	3819387.58	0.00010519	4.42E-04	3.98E-05	8.76E-05	3.25E-04	2.86E-05	9.93E-06	5.69E-05	6.78E-06	9.03E-06	2.98E-05	2.05E-06

8210	470779.89	3819377.93	0.00010431	4.38E-04	3.95E-05	8.69E-05	3.22E-04	2.83E-05	9.85E-06	5.64E-05	6.73E-06	8.95E-06	2.95E-05	2.04E-06
8211	470779.98	3819368.28	0.0001033	4.34E-04	3.91E-05	8.60E-05	3.19E-04	2.80E-05	9.75E-06	5.58E-05	6.66E-06	8.87E-06	2.92E-05	2.02E-06
8212	470780.06	3819358.64	0.00010215	4.29E-04	3.86E-05	8.51E-05	3.15E-04	2.77E-05	9.65E-06	5.52E-05	6.59E-06	8.77E-06	2.89E-05	1.99E-06
8213	470780.14	3819348.99	0.00010087	4.24E-04	3.81E-05	8.40E-05	3.11E-04	2.74E-05	9.53E-06	5.45E-05	6.51E-06	8.66E-06	2.86E-05	1.97E-06
8214	470780.22	3819339.34	0.000099473	4.18E-04	3.76E-05	8.29E-05	3.07E-04	2.70E-05	9.39E-06	5.38E-05	6.42E-06	8.54E-06	2.82E-05	1.94E-06
8215	470780.31	3819329.69	0.000097953	4.11E-04	3.70E-05	8.16E-05	3.02E-04	2.66E-05	9.25E-06	5.30E-05	6.32E-06	8.41E-06	2.77E-05	1.91E-06
8216	470780.39	3819320.04	0.000096317	4.04E-04	3.64E-05	8.02E-05	2.97E-04	2.61E-05	9.10E-06	5.21E-05	6.21E-06	8.27E-06	2.73E-05	1.88E-06
8217	470780.47	3819310.39	0.000094566	3.97E-04	3.58E-05	7.88E-05	2.92E-04	2.57E-05	8.93E-06	5.11E-05	6.10E-06	8.12E-06	2.68E-05	1.85E-06
8218	470780.56	3819300.75	0.000092704	3.89E-04	3.51E-05	7.72E-05	2.86E-04	2.52E-05	8.75E-06	5.01E-05	5.98E-06	7.96E-06	2.62E-05	1.81E-06
8219	470780.64	3819291.1	0.000090746	3.81E-04	3.43E-05	7.56E-05	2.80E-04	2.46E-05	8.57E-06	4.91E-05	5.85E-06	7.79E-06	2.57E-05	1.77E-06
8220	470780.72	3819281.45	0.000088697	3.72E-04	3.35E-05	7.39E-05	2.74E-04	2.41E-05	8.38E-06	4.80E-05	5.72E-06	7.61E-06	2.51E-05	1.73E-06
8221	470780.8	3819271.8	0.000086561	3.64E-04	3.27E-05	7.21E-05	2.67E-04	2.35E-05	8.17E-06	4.68E-05	5.58E-06	7.43E-06	2.45E-05	1.69E-06
8222	470780.89	3819262.15	0.000084353	3.54E-04	3.19E-05	7.03E-05	2.60E-04	2.29E-05	7.97E-06	4.56E-05	5.44E-06	7.24E-06	2.39E-05	1.65E-06
8223	470780.97	3819252.51	0.000082083	3.45E-04	3.10E-05	6.84E-05	2.53E-04	2.23E-05	7.75E-06	4.44E-05	5.29E-06	7.05E-06	2.32E-05	1.60E-06
8224	470781.05	3819242.86	0.000079759	3.35E-04	3.02E-05	6.64E-05	2.46E-04	2.17E-05	7.53E-06	4.31E-05	5.14E-06	6.85E-06	2.26E-05	1.56E-06
8225	470815.45	3819464.33	0.000095009	3.99E-04	3.59E-05	7.91E-05	2.93E-04	2.58E-05	8.97E-06	5.14E-05	6.13E-06	8.16E-06	2.69E-05	1.85E-06
8226	470811.67	3819473.2	0.000096057	4.03E-04	3.63E-05	8.00E-05	2.96E-04	2.61E-05	9.07E-06	5.19E-05	6.20E-06	8.25E-06	2.72E-05	1.87E-06
8227	470807.9	3819482.07	0.000097024	4.07E-04	3.67E-05	8.08E-05	2.99E-04	2.63E-05	9.16E-06	5.25E-05	6.26E-06	8.33E-06	2.75E-05	1.89E-06
8228	470804.12	3819490.95	0.000097919	4.11E-04	3.70E-05	8.16E-05	3.02E-04	2.66E-05	9.25E-06	5.29E-05	6.32E-06	8.41E-06	2.77E-05	1.91E-06
8229	470800.34	3819499.82	0.000098742	4.15E-04	3.73E-05	8.22E-05	3.05E-04	2.68E-05	9.32E-06	5.34E-05	6.37E-06	8.48E-06	2.80E-05	1.93E-06
8230	470796.56	3819508.69	0.000099478	4.18E-04	3.76E-05	8.29E-05	3.07E-04	2.70E-05	9.39E-06	5.38E-05	6.42E-06	8.54E-06	2.82E-05	1.94E-06
8231	470781.45	3819544.18	0.0001016	4.27E-04	3.84E-05	8.46E-05	3.14E-04	2.76E-05	9.59E-06	5.49E-05	6.55E-06	8.72E-06	2.88E-05	1.98E-06
8232	470777.67	3819553.05	0.00010193	4.28E-04	3.85E-05	8.49E-05	3.15E-04	2.77E-05	9.63E-06	5.51E-05	6.57E-06	8.75E-06	2.89E-05	1.99E-06
8233	470773.89	3819561.92	0.00010217	4.29E-04	3.86E-05	8.51E-05	3.15E-04	2.77E-05	9.65E-06	5.52E-05	6.59E-06	8.77E-06	2.89E-05	1.99E-06
8234	470770.11	3819570.79	0.00010234	4.30E-04	3.87E-05	8.52E-05	3.16E-04	2.78E-05	9.66E-06	5.53E-05	6.60E-06	8.79E-06	2.90E-05	2.00E-06
8235	470766.34	3819579.66	0.00010242	4.30E-04	3.87E-05	8.53E-05	3.16E-04	2.78E-05	9.67E-06	5.54E-05	6.61E-06	8.79E-06	2.90E-05	2.00E-06
8236	470762.56	3819588.53	0.00010243	4.30E-04	3.87E-05	8.53E-05	3.16E-04	2.78E-05	9.67E-06	5.54E-05	6.61E-06	8.79E-06	2.90E-05	2.00E-06
8237	470758.78	3819597.41	0.00010236	4.30E-04	3.87E-05	8.53E-05	3.16E-04	2.78E-05	9.67E-06	5.53E-05	6.60E-06	8.79E-06	2.90E-05	2.00E-06
8238	470755	3819606.28	0.00010222	4.29E-04	3.87E-05	8.51E-05	3.15E-04	2.77E-05	9.65E-06	5.53E-05	6.59E-06	8.78E-06	2.89E-05	1.99E-06
8239	470751.22	3819615.15	0.00010203	4.28E-04	3.86E-05	8.50E-05	3.15E-04	2.77E-05	9.63E-06	5.52E-05	6.58E-06	8.76E-06	2.89E-05	1.99E-06
8240	470747.44	3819624.02	0.00010176	4.27E-04	3.85E-05	8.48E-05	3.14E-04	2.76E-05	9.61E-06	5.50E-05	6.56E-06	8.74E-06	2.88E-05	1.99E-06
8241	470743.67	3819632.89	0.00010142	4.26E-04	3.84E-05	8.45E-05	3.13E-04	2.75E-05	9.58E-06	5.48E-05	6.54E-06	8.71E-06	2.87E-05	1.98E-06
8242	470739.89	3819641.76	0.00010104	4.24E-04	3.82E-05	8.42E-05	3.12E-04	2.74E-05	9.54E-06	5.46E-05	6.52E-06	8.67E-06	2.86E-05	1.97E-06
8243	470736.11	3819650.63	0.0001006	4.22E-04	3.80E-05	8.38E-05	3.10E-04	2.73E-05	9.50E-06	5.44E-05	6.49E-06	8.64E-06	2.85E-05	1.96E-06
8244	470732.33	3819659.51	0.00010013	4.21E-04	3.79E-05	8.34E-05	3.09E-04	2.72E-05	9.46E-06	5.41E-05	6.46E-06	8.60E-06	2.83E-05	1.95E-06
8245	470728.55	3819668.38	0.000099612	4.18E-04	3.77E-05	8.30E-05	3.07E-04	2.70E-05	9.41E-06	5.39E-05	6.43E-06	8.55E-06	2.82E-05	1.94E-06
8246	470477.68	3819908.49	0.00010901	4.58E-04	4.12E-05	9.08E-05	3.36E-04	2.96E-05	1.03E-05	5.89E-05	7.03E-06	9.36E-06	3.09E-05	2.13E-06
8247	470468.73	3819912.07	0.00011068	4.65E-04	4.19E-05	9.22E-05	3.42E-04	3.00E-05	1.05E-05	5.98E-05	7.14E-06	9.50E-06	3.13E-05	2.16E-06
8248	470459.77	3819915.65	0.00011238	4.72E-04	4.25E-05	9.36E-05	3.47E-04	3.05E-05	1.06E-05	6.08E-05	7.25E-06	9.65E-06	3.18E-05	2.19E-06
8249	470450.82	3819919.22	0.0001141	4.79E-04	4.32E-05	9.50E-05	3.52E-04	3.10E-05	1.08E-05	6.17E-05	7.36E-06	9.80E-06	3.23E-05	2.23E-06
8250	470441.87	3819922.8	0.00011582	4.86E-04	4.38E-05	9.65E-05	3.57E-04	3.14E-05	1.09E-05	6.26E-05	7.47E-06	9.94E-06	3.28E-05	2.26E-06
8251	470432.91	3819926.38	0.00011754	4.94E-04	4.45E-05	9.79E-05	3.63E-04	3.19E-05	1.11E-05	6.35E-05	7.58E-06	1.01E-05	3.33E-05	2.29E-06
8252	470423.96	3819929.96	0.00011924	5.01E-04	4.51E-05	9.93E-05	3.68E-04	3.24E-05	1.13E-05	6.45E-05	7.69E-06	1.02E-05	3.38E-05	2.33E-06

8253	470415	3819933.54	0.00012093	5.08E-04	4.57E-05	1.01E-04	3.73E-04	3.28E-05	1.14E-05	6.54E-05	7.80E-06	1.04E-05	3.42E-05	2.36E-06
8254	470406.05	3819937.11	0.00012256	5.15E-04	4.64E-05	1.02E-04	3.78E-04	3.33E-05	1.16E-05	6.63E-05	7.91E-06	1.05E-05	3.47E-05	2.39E-06
8255	470397.09	3819940.69	0.00012412	5.21E-04	4.69E-05	1.03E-04	3.83E-04	3.37E-05	1.17E-05	6.71E-05	8.01E-06	1.07E-05	3.51E-05	2.42E-06
8256	470388.14	3819944.27	0.00012561	5.28E-04	4.75E-05	1.05E-04	3.88E-04	3.41E-05	1.19E-05	6.79E-05	8.10E-06	1.08E-05	3.56E-05	2.45E-06
8257	470379.18	3819947.85	0.00012703	5.33E-04	4.80E-05	1.06E-04	3.92E-04	3.45E-05	1.20E-05	6.87E-05	8.19E-06	1.09E-05	3.60E-05	2.48E-06
8258	470370.23	3819951.42	0.00012846	5.39E-04	4.86E-05	1.07E-04	3.96E-04	3.49E-05	1.21E-05	6.94E-05	8.29E-06	1.10E-05	3.64E-05	2.51E-06
8259	470361.28	3819955	0.00012982	5.45E-04	4.91E-05	1.08E-04	4.01E-04	3.52E-05	1.23E-05	7.02E-05	8.37E-06	1.11E-05	3.67E-05	2.53E-06
8260	470352.32	3819958.58	0.00013111	5.51E-04	4.96E-05	1.09E-04	4.05E-04	3.56E-05	1.24E-05	7.09E-05	8.46E-06	1.13E-05	3.71E-05	2.56E-06
8261	470343.37	3819962.16	0.00013232	5.56E-04	5.00E-05	1.10E-04	4.08E-04	3.59E-05	1.25E-05	7.15E-05	8.54E-06	1.14E-05	3.75E-05	2.58E-06
8262	470334.41	3819965.73	0.00013348	5.61E-04	5.05E-05	1.11E-04	4.12E-04	3.62E-05	1.26E-05	7.22E-05	8.61E-06	1.15E-05	3.78E-05	2.60E-06
8263	470325.46	3819969.31	0.00013455	5.65E-04	5.09E-05	1.12E-04	4.15E-04	3.65E-05	1.27E-05	7.27E-05	8.68E-06	1.16E-05	3.81E-05	2.63E-06
8264	470316.5	3819972.89	0.00013556	5.69E-04	5.13E-05	1.13E-04	4.18E-04	3.68E-05	1.28E-05	7.33E-05	8.74E-06	1.16E-05	3.84E-05	2.65E-06
8265	470307.55	3819976.47	0.00013649	5.73E-04	5.16E-05	1.14E-04	4.21E-04	3.71E-05	1.29E-05	7.38E-05	8.80E-06	1.17E-05	3.86E-05	2.66E-06
8266	470819.23	3819455.46	0.000093888	3.94E-04	3.55E-05	7.82E-05	2.90E-04	2.55E-05	8.87E-06	5.08E-05	6.06E-06	8.06E-06	2.66E-05	1.83E-06
8267	470819.31	3819445.81	0.00009384	3.94E-04	3.55E-05	7.82E-05	2.90E-04	2.55E-05	8.86E-06	5.07E-05	6.05E-06	8.06E-06	2.66E-05	1.83E-06
8268	470819.4	3819436.16	0.000093691	3.93E-04	3.54E-05	7.80E-05	2.89E-04	2.54E-05	8.85E-06	5.06E-05	6.04E-06	8.04E-06	2.65E-05	1.83E-06
8269	470819.48	3819426.52	0.00009346	3.92E-04	3.53E-05	7.78E-05	2.88E-04	2.54E-05	8.83E-06	5.05E-05	6.03E-06	8.02E-06	2.65E-05	1.82E-06
8270	470819.56	3819416.87	0.000093133	3.91E-04	3.52E-05	7.76E-05	2.87E-04	2.53E-05	8.79E-06	5.03E-05	6.01E-06	8.00E-06	2.64E-05	1.82E-06
8271	470819.64	3819407.22	0.0000927	3.89E-04	3.51E-05	7.72E-05	2.86E-04	2.52E-05	8.75E-06	5.01E-05	5.98E-06	7.96E-06	2.62E-05	1.81E-06
8272	470819.73	3819397.57	0.000092161	3.87E-04	3.49E-05	7.68E-05	2.84E-04	2.50E-05	8.70E-06	4.98E-05	5.94E-06	7.91E-06	2.61E-05	1.80E-06
8273	470819.81	3819387.92	0.000091521	3.84E-04	3.46E-05	7.62E-05	2.82E-04	2.48E-05	8.64E-06	4.95E-05	5.90E-06	7.86E-06	2.59E-05	1.79E-06
8274	470819.89	3819378.27	0.000090775	3.81E-04	3.43E-05	7.56E-05	2.80E-04	2.46E-05	8.57E-06	4.91E-05	5.86E-06	7.79E-06	2.57E-05	1.77E-06
8275	470819.97	3819368.63	0.000089929	3.78E-04	3.40E-05	7.49E-05	2.78E-04	2.44E-05	8.49E-06	4.86E-05	5.80E-06	7.72E-06	2.55E-05	1.75E-06
8276	470820.06	3819358.98	0.000088976	3.74E-04	3.37E-05	7.41E-05	2.75E-04	2.42E-05	8.40E-06	4.81E-05	5.74E-06	7.64E-06	2.52E-05	1.74E-06
8277	470820.14	3819349.33	0.000087927	3.69E-04	3.33E-05	7.32E-05	2.71E-04	2.39E-05	8.30E-06	4.75E-05	5.67E-06	7.55E-06	2.49E-05	1.72E-06
8278	470820.22	3819339.68	0.000086783	3.64E-04	3.28E-05	7.23E-05	2.68E-04	2.36E-05	8.20E-06	4.69E-05	5.60E-06	7.45E-06	2.46E-05	1.69E-06
8279	470820.31	3819330.03	0.000085537	3.59E-04	3.23E-05	7.12E-05	2.64E-04	2.32E-05	8.08E-06	4.62E-05	5.52E-06	7.34E-06	2.42E-05	1.67E-06
8280	470820.39	3819320.39	0.000084199	3.54E-04	3.18E-05	7.01E-05	2.60E-04	2.29E-05	7.95E-06	4.55E-05	5.43E-06	7.23E-06	2.38E-05	1.64E-06
8281	470820.47	3819310.74	0.000082771	3.48E-04	3.13E-05	6.89E-05	2.55E-04	2.25E-05	7.82E-06	4.47E-05	5.34E-06	7.11E-06	2.34E-05	1.62E-06
8282	470820.55	3819301.09	0.000081255	3.41E-04	3.07E-05	6.77E-05	2.51E-04	2.21E-05	7.67E-06	4.39E-05	5.24E-06	6.98E-06	2.30E-05	1.59E-06
8283	470820.64	3819291.44	0.000079658	3.35E-04	3.01E-05	6.64E-05	2.46E-04	2.16E-05	7.52E-06	4.31E-05	5.14E-06	6.84E-06	2.25E-05	1.55E-06
8284	470820.72	3819281.79	0.000077984	3.28E-04	2.95E-05	6.50E-05	2.41E-04	2.12E-05	7.36E-06	4.22E-05	5.03E-06	6.69E-06	2.21E-05	1.52E-06
8285	470820.8	3819272.14	0.000076243	3.20E-04	2.88E-05	6.35E-05	2.35E-04	2.07E-05	7.20E-06	4.12E-05	4.92E-06	6.55E-06	2.16E-05	1.49E-06
8286	470820.88	3819262.5	0.000074443	3.13E-04	2.82E-05	6.20E-05	2.30E-04	2.02E-05	7.03E-06	4.02E-05	4.80E-06	6.39E-06	2.11E-05	1.45E-06
8287	470820.97	3819252.85	0.000072582	3.05E-04	2.75E-05	6.05E-05	2.24E-04	1.97E-05	6.85E-06	3.92E-05	4.68E-06	6.23E-06	2.05E-05	1.42E-06
8288	470821.05	3819243.2	0.000070682	2.97E-04	2.67E-05	5.89E-05	2.18E-04	1.92E-05	6.67E-06	3.82E-05	4.56E-06	6.07E-06	2.00E-05	1.38E-06
8289	470855.52	3819464.52	0.000083507	3.51E-04	3.16E-05	6.96E-05	2.58E-04	2.27E-05	7.89E-06	4.51E-05	5.39E-06	7.17E-06	2.36E-05	1.63E-06
8290	470851.8	3819473.24	0.000084421	3.55E-04	3.19E-05	7.03E-05	2.61E-04	2.29E-05	7.97E-06	4.56E-05	5.45E-06	7.25E-06	2.39E-05	1.65E-06
8291	470848.09	3819481.96	0.000085282	3.58E-04	3.23E-05	7.10E-05	2.63E-04	2.32E-05	8.05E-06	4.61E-05	5.50E-06	7.32E-06	2.41E-05	1.66E-06
8292	470844.38	3819490.67	0.000086085	3.62E-04	3.26E-05	7.17E-05	2.66E-04	2.34E-05	8.13E-06	4.65E-05	5.55E-06	7.39E-06	2.44E-05	1.68E-06
8293	470840.67	3819499.39	0.000086831	3.65E-04	3.28E-05	7.23E-05	2.68E-04	2.36E-05	8.20E-06	4.69E-05	5.60E-06	7.45E-06	2.46E-05	1.69E-06
8294	470836.95	3819508.11	0.000087519	3.68E-04	3.31E-05	7.29E-05	2.70E-04	2.38E-05	8.26E-06	4.73E-05	5.65E-06	7.51E-06	2.48E-05	1.71E-06
8295	470833.24	3819516.83	0.000088144	3.70E-04	3.33E-05	7.34E-05	2.72E-04	2.39E-05	8.32E-06	4.77E-05	5.69E-06	7.57E-06	2.50E-05	1.72E-06

8296	470829.53	3819525.55	0.000088707	3.73E-04	3.35E-05	7.39E-05	2.74E-04	2.41E-05	8.38E-06	4.80E-05	5.72E-06	7.62E-06	2.51E-05	1.73E-06
8297	470825.81	3819534.26	0.000089212	3.75E-04	3.37E-05	7.43E-05	2.75E-04	2.42E-05	8.42E-06	4.82E-05	5.75E-06	7.66E-06	2.53E-05	1.74E-06
8298	470807.25	3819577.85	0.000090761	3.81E-04	3.43E-05	7.56E-05	2.80E-04	2.46E-05	8.57E-06	4.91E-05	5.85E-06	7.79E-06	2.57E-05	1.77E-06
8299	470803.54	3819586.57	0.000090886	3.82E-04	3.44E-05	7.57E-05	2.80E-04	2.47E-05	8.58E-06	4.91E-05	5.86E-06	7.80E-06	2.57E-05	1.77E-06
8300	470799.83	3819595.29	0.000090949	3.82E-04	3.44E-05	7.58E-05	2.81E-04	2.47E-05	8.59E-06	4.92E-05	5.87E-06	7.81E-06	2.57E-05	1.77E-06
8301	470796.11	3819604.01	0.000090953	3.82E-04	3.44E-05	7.58E-05	2.81E-04	2.47E-05	8.59E-06	4.92E-05	5.87E-06	7.81E-06	2.57E-05	1.77E-06
8302	470792.4	3819612.72	0.000090905	3.82E-04	3.44E-05	7.57E-05	2.81E-04	2.47E-05	8.58E-06	4.91E-05	5.86E-06	7.80E-06	2.57E-05	1.77E-06
8303	470788.69	3819621.44	0.000090799	3.81E-04	3.43E-05	7.56E-05	2.80E-04	2.46E-05	8.57E-06	4.91E-05	5.86E-06	7.79E-06	2.57E-05	1.77E-06
8304	470784.98	3819630.16	0.000090641	3.81E-04	3.43E-05	7.55E-05	2.80E-04	2.46E-05	8.56E-06	4.90E-05	5.85E-06	7.78E-06	2.57E-05	1.77E-06
8305	470781.26	3819638.88	0.000090434	3.80E-04	3.42E-05	7.53E-05	2.79E-04	2.45E-05	8.54E-06	4.89E-05	5.83E-06	7.76E-06	2.56E-05	1.76E-06
8306	470777.55	3819647.59	0.000090179	3.79E-04	3.41E-05	7.51E-05	2.78E-04	2.45E-05	8.52E-06	4.88E-05	5.82E-06	7.74E-06	2.55E-05	1.76E-06
8307	470773.84	3819656.31	0.000089881	3.77E-04	3.40E-05	7.49E-05	2.77E-04	2.44E-05	8.49E-06	4.86E-05	5.80E-06	7.72E-06	2.54E-05	1.75E-06
8308	470770.12	3819665.03	0.000089549	3.76E-04	3.39E-05	7.46E-05	2.76E-04	2.43E-05	8.46E-06	4.84E-05	5.78E-06	7.69E-06	2.53E-05	1.75E-06
8309	470766.41	3819673.75	0.000089183	3.75E-04	3.37E-05	7.43E-05	2.75E-04	2.42E-05	8.42E-06	4.82E-05	5.75E-06	7.66E-06	2.52E-05	1.74E-06
8310	470762.7	3819682.47	0.000088779	3.73E-04	3.36E-05	7.39E-05	2.74E-04	2.41E-05	8.38E-06	4.80E-05	5.73E-06	7.62E-06	2.51E-05	1.73E-06
8311	470758.99	3819691.18	0.000088351	3.71E-04	3.34E-05	7.36E-05	2.73E-04	2.40E-05	8.34E-06	4.78E-05	5.70E-06	7.58E-06	2.50E-05	1.72E-06
8312	470473.56	3819949.91	0.00010083	4.23E-04	3.81E-05	8.40E-05	3.11E-04	2.74E-05	9.52E-06	5.45E-05	6.50E-06	8.66E-06	2.85E-05	1.97E-06
8313	470464.76	3819953.43	0.00010228	4.30E-04	3.87E-05	8.52E-05	3.16E-04	2.78E-05	9.66E-06	5.53E-05	6.60E-06	8.78E-06	2.90E-05	2.00E-06
8314	470455.96	3819956.95	0.00010373	4.36E-04	3.92E-05	8.64E-05	3.20E-04	2.82E-05	9.80E-06	5.61E-05	6.69E-06	8.90E-06	2.94E-05	2.02E-06
8315	470447.16	3819960.46	0.00010518	4.42E-04	3.98E-05	8.76E-05	3.25E-04	2.86E-05	9.93E-06	5.69E-05	6.78E-06	9.03E-06	2.98E-05	2.05E-06
8316	470438.36	3819963.98	0.00010661	4.48E-04	4.03E-05	8.88E-05	3.29E-04	2.89E-05	1.01E-05	5.76E-05	6.88E-06	9.15E-06	3.02E-05	2.08E-06
8317	470429.56	3819967.49	0.00010803	4.54E-04	4.09E-05	9.00E-05	3.33E-04	2.93E-05	1.02E-05	5.84E-05	6.97E-06	9.27E-06	3.06E-05	2.11E-06
8318	470420.76	3819971.01	0.00010941	4.59E-04	4.14E-05	9.11E-05	3.38E-04	2.97E-05	1.03E-05	5.91E-05	7.06E-06	9.39E-06	3.10E-05	2.13E-06
8319	470411.96	3819974.52	0.00011076	4.65E-04	4.19E-05	9.23E-05	3.42E-04	3.01E-05	1.05E-05	5.99E-05	7.14E-06	9.51E-06	3.14E-05	2.16E-06
8320	470403.16	3819978.04	0.00011207	4.71E-04	4.24E-05	9.33E-05	3.46E-04	3.04E-05	1.06E-05	6.06E-05	7.23E-06	9.62E-06	3.17E-05	2.19E-06
8321	470394.36	3819981.55	0.00011335	4.76E-04	4.29E-05	9.44E-05	3.50E-04	3.08E-05	1.07E-05	6.13E-05	7.31E-06	9.73E-06	3.21E-05	2.21E-06
8322	470385.56	3819985.07	0.00011457	4.81E-04	4.33E-05	9.54E-05	3.54E-04	3.11E-05	1.08E-05	6.19E-05	7.39E-06	9.84E-06	3.24E-05	2.24E-06
8323	470376.77	3819988.59	0.00011574	4.86E-04	4.38E-05	9.64E-05	3.57E-04	3.14E-05	1.09E-05	6.26E-05	7.47E-06	9.94E-06	3.28E-05	2.26E-06
8324	470367.97	3819992.1	0.00011685	4.91E-04	4.42E-05	9.73E-05	3.61E-04	3.17E-05	1.10E-05	6.32E-05	7.54E-06	1.00E-05	3.31E-05	2.28E-06
8325	470359.17	3819995.62	0.00011791	4.95E-04	4.46E-05	9.82E-05	3.64E-04	3.20E-05	1.11E-05	6.37E-05	7.61E-06	1.01E-05	3.34E-05	2.30E-06
8326	470350.37	3819999.13	0.0001189	4.99E-04	4.50E-05	9.90E-05	3.67E-04	3.23E-05	1.12E-05	6.43E-05	7.67E-06	1.02E-05	3.37E-05	2.32E-06
8327	470341.57	3820002.65	0.00011984	5.03E-04	4.53E-05	9.98E-05	3.70E-04	3.25E-05	1.13E-05	6.48E-05	7.73E-06	1.03E-05	3.39E-05	2.34E-06
8328	470332.77	3820006.16	0.00012073	5.07E-04	4.57E-05	1.01E-04	3.73E-04	3.28E-05	1.14E-05	6.53E-05	7.79E-06	1.04E-05	3.42E-05	2.36E-06
8329	470323.97	3820009.68	0.00012153	5.10E-04	4.60E-05	1.01E-04	3.75E-04	3.30E-05	1.15E-05	6.57E-05	7.84E-06	1.04E-05	3.44E-05	2.37E-06
8330	470315.17	3820013.2	0.00012228	5.14E-04	4.62E-05	1.02E-04	3.77E-04	3.32E-05	1.15E-05	6.61E-05	7.89E-06	1.05E-05	3.46E-05	2.39E-06
8331	470859.23	3819455.8	0.000082544	3.47E-04	3.12E-05	6.88E-05	2.55E-04	2.24E-05	7.79E-06	4.46E-05	5.32E-06	7.09E-06	2.34E-05	1.61E-06
8332	470859.31	3819446.15	0.000082458	3.46E-04	3.12E-05	6.87E-05	2.54E-04	2.24E-05	7.79E-06	4.46E-05	5.32E-06	7.08E-06	2.33E-05	1.61E-06
8333	470859.39	3819436.51	0.000082299	3.46E-04	3.11E-05	6.86E-05	2.54E-04	2.23E-05	7.77E-06	4.45E-05	5.31E-06	7.07E-06	2.33E-05	1.61E-06
8334	470859.48	3819426.86	0.000082063	3.45E-04	3.10E-05	6.84E-05	2.53E-04	2.23E-05	7.75E-06	4.44E-05	5.29E-06	7.04E-06	2.32E-05	1.60E-06
8335	470859.56	3819417.21	0.000081756	3.43E-04	3.09E-05	6.81E-05	2.52E-04	2.22E-05	7.72E-06	4.42E-05	5.27E-06	7.02E-06	2.31E-05	1.60E-06
8336	470859.64	3819407.56	0.000081366	3.42E-04	3.08E-05	6.78E-05	2.51E-04	2.21E-05	7.68E-06	4.40E-05	5.25E-06	6.99E-06	2.30E-05	1.59E-06
8337	470859.73	3819397.91	0.000080885	3.40E-04	3.06E-05	6.74E-05	2.50E-04	2.20E-05	7.64E-06	4.37E-05	5.22E-06	6.94E-06	2.29E-05	1.58E-06
8338	470859.81	3819388.27	0.000080327	3.37E-04	3.04E-05	6.69E-05	2.48E-04	2.18E-05	7.59E-06	4.34E-05	5.18E-06	6.90E-06	2.27E-05	1.57E-06

8339	470859.89	3819378.62	0.000079687	3.35E-04	3.01E-05	6.64E-05	2.46E-04	2.16E-05	7.52E-06	4.31E-05	5.14E-06	6.84E-06	2.26E-05	1.55E-06
8340	470859.97	3819368.97	0.00007897	3.32E-04	2.99E-05	6.58E-05	2.44E-04	2.14E-05	7.46E-06	4.27E-05	5.09E-06	6.78E-06	2.24E-05	1.54E-06
8341	470860.06	3819359.32	0.000078176	3.28E-04	2.96E-05	6.51E-05	2.41E-04	2.12E-05	7.38E-06	4.23E-05	5.04E-06	6.71E-06	2.21E-05	1.53E-06
8342	470860.14	3819349.67	0.000077301	3.25E-04	2.92E-05	6.44E-05	2.39E-04	2.10E-05	7.30E-06	4.18E-05	4.99E-06	6.64E-06	2.19E-05	1.51E-06
8343	470860.22	3819340.02	0.000076348	3.21E-04	2.89E-05	6.36E-05	2.36E-04	2.07E-05	7.21E-06	4.13E-05	4.92E-06	6.55E-06	2.16E-05	1.49E-06
8344	470860.3	3819330.38	0.000075319	3.16E-04	2.85E-05	6.27E-05	2.32E-04	2.04E-05	7.11E-06	4.07E-05	4.86E-06	6.47E-06	2.13E-05	1.47E-06
8345	470860.39	3819320.73	0.000074208	3.12E-04	2.81E-05	6.18E-05	2.29E-04	2.01E-05	7.01E-06	4.01E-05	4.79E-06	6.37E-06	2.10E-05	1.45E-06
8346	470860.47	3819311.08	0.000073029	3.07E-04	2.76E-05	6.08E-05	2.25E-04	1.98E-05	6.90E-06	3.95E-05	4.71E-06	6.27E-06	2.07E-05	1.43E-06
8347	470860.55	3819301.43	0.000071783	3.01E-04	2.71E-05	5.98E-05	2.22E-04	1.95E-05	6.78E-06	3.88E-05	4.63E-06	6.16E-06	2.03E-05	1.40E-06
8348	470860.64	3819291.78	0.00007046	2.96E-04	2.66E-05	5.87E-05	2.17E-04	1.91E-05	6.65E-06	3.81E-05	4.54E-06	6.05E-06	1.99E-05	1.37E-06
8349	470860.72	3819282.14	0.000069084	2.90E-04	2.61E-05	5.75E-05	2.13E-04	1.88E-05	6.52E-06	3.73E-05	4.46E-06	5.93E-06	1.96E-05	1.35E-06
8350	470860.8	3819272.49	0.000067651	2.84E-04	2.56E-05	5.63E-05	2.09E-04	1.84E-05	6.39E-06	3.66E-05	4.36E-06	5.81E-06	1.91E-05	1.32E-06
8351	470860.88	3819262.84	0.00006616	2.78E-04	2.50E-05	5.51E-05	2.04E-04	1.80E-05	6.25E-06	3.58E-05	4.27E-06	5.68E-06	1.87E-05	1.29E-06
8352	470860.97	3819253.19	0.00006462	2.71E-04	2.44E-05	5.38E-05	1.99E-04	1.75E-05	6.10E-06	3.49E-05	4.17E-06	5.55E-06	1.83E-05	1.26E-06
8353	470861.05	3819243.54	0.000063047	2.65E-04	2.38E-05	5.25E-05	1.95E-04	1.71E-05	5.95E-06	3.41E-05	4.07E-06	5.41E-06	1.78E-05	1.23E-06
8354	470895.5	3819464.91	0.000073938	3.11E-04	2.80E-05	6.16E-05	2.28E-04	2.01E-05	6.98E-06	4.00E-05	4.77E-06	6.35E-06	2.09E-05	1.44E-06
8355	470891.77	3819473.67	0.000074747	3.14E-04	2.83E-05	6.23E-05	2.31E-04	2.03E-05	7.06E-06	4.04E-05	4.82E-06	6.42E-06	2.12E-05	1.46E-06
8356	470888.04	3819482.43	0.000075511	3.17E-04	2.86E-05	6.29E-05	2.33E-04	2.05E-05	7.13E-06	4.08E-05	4.87E-06	6.48E-06	2.14E-05	1.47E-06
8357	470884.3	3819491.19	0.000076238	3.20E-04	2.88E-05	6.35E-05	2.35E-04	2.07E-05	7.20E-06	4.12E-05	4.92E-06	6.54E-06	2.16E-05	1.49E-06
8358	470880.57	3819499.95	0.000076921	3.23E-04	2.91E-05	6.41E-05	2.37E-04	2.09E-05	7.26E-06	4.16E-05	4.96E-06	6.60E-06	2.18E-05	1.50E-06
8359	470876.84	3819508.71	0.000077556	3.26E-04	2.93E-05	6.46E-05	2.39E-04	2.11E-05	7.32E-06	4.19E-05	5.00E-06	6.66E-06	2.20E-05	1.51E-06
8360	470873.11	3819517.46	0.000078143	3.28E-04	2.96E-05	6.51E-05	2.41E-04	2.12E-05	7.38E-06	4.22E-05	5.04E-06	6.71E-06	2.21E-05	1.52E-06
8361	470869.38	3819526.22	0.000078682	3.30E-04	2.98E-05	6.55E-05	2.43E-04	2.14E-05	7.43E-06	4.25E-05	5.08E-06	6.75E-06	2.23E-05	1.54E-06
8362	470865.65	3819534.98	0.000079177	3.33E-04	2.99E-05	6.60E-05	2.44E-04	2.15E-05	7.48E-06	4.28E-05	5.11E-06	6.80E-06	2.24E-05	1.54E-06
8363	470861.92	3819543.74	0.00007962	3.34E-04	3.01E-05	6.63E-05	2.46E-04	2.16E-05	7.52E-06	4.30E-05	5.14E-06	6.84E-06	2.25E-05	1.55E-06
8364	470858.19	3819552.5	0.000080014	3.36E-04	3.03E-05	6.66E-05	2.47E-04	2.17E-05	7.56E-06	4.33E-05	5.16E-06	6.87E-06	2.26E-05	1.56E-06
8365	470854.46	3819561.26	0.000080351	3.37E-04	3.04E-05	6.69E-05	2.48E-04	2.18E-05	7.59E-06	4.34E-05	5.18E-06	6.90E-06	2.27E-05	1.57E-06
8366	470850.73	3819570.02	0.000080639	3.39E-04	3.05E-05	6.72E-05	2.49E-04	2.19E-05	7.61E-06	4.36E-05	5.20E-06	6.92E-06	2.28E-05	1.57E-06
8367	470835.81	3819605.06	0.000081274	3.41E-04	3.07E-05	6.77E-05	2.51E-04	2.21E-05	7.67E-06	4.39E-05	5.24E-06	6.98E-06	2.30E-05	1.59E-06
8368	470832.08	3819613.82	0.000081308	3.41E-04	3.08E-05	6.77E-05	2.51E-04	2.21E-05	7.68E-06	4.40E-05	5.24E-06	6.98E-06	2.30E-05	1.59E-06
8369	470828.35	3819622.58	0.000081299	3.41E-04	3.07E-05	6.77E-05	2.51E-04	2.21E-05	7.68E-06	4.40E-05	5.24E-06	6.98E-06	2.30E-05	1.59E-06
8370	470824.62	3819631.34	0.000081241	3.41E-04	3.07E-05	6.77E-05	2.51E-04	2.21E-05	7.67E-06	4.39E-05	5.24E-06	6.97E-06	2.30E-05	1.59E-06
8371	470820.88	3819640.1	0.000081145	3.41E-04	3.07E-05	6.76E-05	2.50E-04	2.20E-05	7.66E-06	4.39E-05	5.23E-06	6.97E-06	2.30E-05	1.58E-06
8372	470817.15	3819648.86	0.000081005	3.40E-04	3.06E-05	6.75E-05	2.50E-04	2.20E-05	7.65E-06	4.38E-05	5.22E-06	6.95E-06	2.29E-05	1.58E-06
8373	470813.42	3819657.62	0.000080832	3.39E-04	3.06E-05	6.73E-05	2.49E-04	2.19E-05	7.63E-06	4.37E-05	5.21E-06	6.94E-06	2.29E-05	1.58E-06
8374	470809.69	3819666.38	0.00008062	3.39E-04	3.05E-05	6.72E-05	2.49E-04	2.19E-05	7.61E-06	4.36E-05	5.20E-06	6.92E-06	2.28E-05	1.57E-06
8375	470805.96	3819675.14	0.000080375	3.38E-04	3.04E-05	6.69E-05	2.48E-04	2.18E-05	7.59E-06	4.35E-05	5.18E-06	6.90E-06	2.28E-05	1.57E-06
8376	470802.23	3819683.9	0.000080096	3.36E-04	3.03E-05	6.67E-05	2.47E-04	2.17E-05	7.56E-06	4.33E-05	5.17E-06	6.88E-06	2.27E-05	1.56E-06
8377	470798.5	3819692.66	0.000079788	3.35E-04	3.02E-05	6.65E-05	2.46E-04	2.17E-05	7.53E-06	4.31E-05	5.15E-06	6.85E-06	2.26E-05	1.56E-06
8378	470794.77	3819701.42	0.000079456	3.34E-04	3.01E-05	6.62E-05	2.45E-04	2.16E-05	7.50E-06	4.30E-05	5.13E-06	6.82E-06	2.25E-05	1.55E-06
8379	470791.04	3819710.18	0.0000791	3.32E-04	2.99E-05	6.59E-05	2.44E-04	2.15E-05	7.47E-06	4.28E-05	5.10E-06	6.79E-06	2.24E-05	1.54E-06
8380	470473.98	3819989.52	0.000092902	3.90E-04	3.51E-05	7.74E-05	2.87E-04	2.52E-05	8.77E-06	5.02E-05	5.99E-06	7.98E-06	2.63E-05	1.81E-06
8381	470465.13	3819993.05	0.000094186	3.96E-04	3.56E-05	7.85E-05	2.91E-04	2.56E-05	8.89E-06	5.09E-05	6.08E-06	8.09E-06	2.67E-05	1.84E-06

8382	470456.29	3819996.59	0.000095461	4.01E-04	3.61E-05	7.95E-05	2.95E-04	2.59E-05	9.01E-06	5.16E-05	6.16E-06	8.20E-06	2.70E-05	1.86E-06
8383	470447.45	3820000.12	0.000096726	4.06E-04	3.66E-05	8.06E-05	2.98E-04	2.63E-05	9.13E-06	5.23E-05	6.24E-06	8.30E-06	2.74E-05	1.89E-06
8384	470438.61	3820003.65	0.000097972	4.11E-04	3.71E-05	8.16E-05	3.02E-04	2.66E-05	9.25E-06	5.30E-05	6.32E-06	8.41E-06	2.77E-05	1.91E-06
8385	470429.77	3820007.18	0.000099184	4.17E-04	3.75E-05	8.26E-05	3.06E-04	2.69E-05	9.37E-06	5.36E-05	6.40E-06	8.51E-06	2.81E-05	1.94E-06
8386	470305.99	3820056.64	0.00011131	4.67E-04	4.21E-05	9.27E-05	3.43E-04	3.02E-05	1.05E-05	6.02E-05	7.18E-06	9.56E-06	3.15E-05	2.17E-06
8387	470899.23	3819456.15	0.000073092	3.07E-04	2.76E-05	6.09E-05	2.26E-04	1.98E-05	6.90E-06	3.95E-05	4.71E-06	6.27E-06	2.07E-05	1.43E-06
8388	470899.31	3819446.5	0.000072986	3.07E-04	2.76E-05	6.08E-05	2.25E-04	1.98E-05	6.89E-06	3.95E-05	4.71E-06	6.27E-06	2.07E-05	1.42E-06
8389	470899.39	3819436.85	0.000072817	3.06E-04	2.75E-05	6.07E-05	2.25E-04	1.98E-05	6.88E-06	3.94E-05	4.70E-06	6.25E-06	2.06E-05	1.42E-06
8390	470899.48	3819427.2	0.000072587	3.05E-04	2.75E-05	6.05E-05	2.24E-04	1.97E-05	6.85E-06	3.92E-05	4.68E-06	6.23E-06	2.05E-05	1.42E-06
8391	470899.56	3819417.55	0.000072303	3.04E-04	2.73E-05	6.02E-05	2.23E-04	1.96E-05	6.83E-06	3.91E-05	4.66E-06	6.21E-06	2.05E-05	1.41E-06
8392	470899.64	3819407.91	0.000071952	3.02E-04	2.72E-05	5.99E-05	2.22E-04	1.95E-05	6.79E-06	3.89E-05	4.64E-06	6.18E-06	2.04E-05	1.40E-06
8393	470899.72	3819398.26	0.000071533	3.00E-04	2.71E-05	5.96E-05	2.21E-04	1.94E-05	6.75E-06	3.87E-05	4.61E-06	6.14E-06	2.02E-05	1.40E-06
8394	470899.81	3819388.61	0.000071047	2.98E-04	2.69E-05	5.92E-05	2.19E-04	1.93E-05	6.71E-06	3.84E-05	4.58E-06	6.10E-06	2.01E-05	1.39E-06
8395	470899.89	3819378.96	0.000070494	2.96E-04	2.67E-05	5.87E-05	2.18E-04	1.91E-05	6.66E-06	3.81E-05	4.55E-06	6.05E-06	2.00E-05	1.38E-06
8396	470899.97	3819369.31	0.000069883	2.93E-04	2.64E-05	5.82E-05	2.16E-04	1.90E-05	6.60E-06	3.78E-05	4.51E-06	6.00E-06	1.98E-05	1.36E-06
8397	470900.05	3819359.66	0.000069214	2.91E-04	2.62E-05	5.77E-05	2.14E-04	1.88E-05	6.54E-06	3.74E-05	4.46E-06	5.94E-06	1.96E-05	1.35E-06
8398	470900.14	3819350.02	0.000068474	2.88E-04	2.59E-05	5.70E-05	2.11E-04	1.86E-05	6.47E-06	3.70E-05	4.42E-06	5.88E-06	1.94E-05	1.34E-06
8399	470900.22	3819340.37	0.000067675	2.84E-04	2.56E-05	5.64E-05	2.09E-04	1.84E-05	6.39E-06	3.66E-05	4.37E-06	5.81E-06	1.92E-05	1.32E-06
8400	470900.3	3819330.72	0.000066809	2.81E-04	2.53E-05	5.56E-05	2.06E-04	1.81E-05	6.31E-06	3.61E-05	4.31E-06	5.74E-06	1.89E-05	1.30E-06
8401	470900.39	3819321.07	0.000065885	2.77E-04	2.49E-05	5.49E-05	2.03E-04	1.79E-05	6.22E-06	3.56E-05	4.25E-06	5.66E-06	1.86E-05	1.29E-06
8402	470900.47	3819311.42	0.000064899	2.73E-04	2.45E-05	5.41E-05	2.00E-04	1.76E-05	6.13E-06	3.51E-05	4.19E-06	5.57E-06	1.84E-05	1.27E-06
8403	470900.55	3819301.78	0.00006386	2.68E-04	2.42E-05	5.32E-05	1.97E-04	1.73E-05	6.03E-06	3.45E-05	4.12E-06	5.48E-06	1.81E-05	1.25E-06
8404	470900.63	3819292.13	0.000062759	2.64E-04	2.37E-05	5.23E-05	1.94E-04	1.70E-05	5.93E-06	3.39E-05	4.05E-06	5.39E-06	1.78E-05	1.22E-06
8405	470900.72	3819282.48	0.000061609	2.59E-04	2.33E-05	5.13E-05	1.90E-04	1.67E-05	5.82E-06	3.33E-05	3.97E-06	5.29E-06	1.74E-05	1.20E-06
8406	470900.8	3819272.83	0.000060411	2.54E-04	2.28E-05	5.03E-05	1.86E-04	1.64E-05	5.70E-06	3.27E-05	3.90E-06	5.19E-06	1.71E-05	1.18E-06
8407	470900.88	3819263.18	0.00005917	2.48E-04	2.24E-05	4.93E-05	1.83E-04	1.61E-05	5.59E-06	3.20E-05	3.82E-06	5.08E-06	1.67E-05	1.15E-06
8408	470900.96	3819253.53	0.000057886	2.43E-04	2.19E-05	4.82E-05	1.79E-04	1.57E-05	5.47E-06	3.13E-05	3.73E-06	4.97E-06	1.64E-05	1.13E-06
8409	470901.05	3819243.89	0.000056567	2.38E-04	2.14E-05	4.71E-05	1.75E-04	1.54E-05	5.34E-06	3.06E-05	3.65E-06	4.86E-06	1.60E-05	1.10E-06
8410	470935.48	3819465.29	0.000065881	2.77E-04	2.49E-05	5.49E-05	2.03E-04	1.79E-05	6.22E-06	3.56E-05	4.25E-06	5.66E-06	1.86E-05	1.29E-06
8411	470931.73	3819474.08	0.000066597	2.80E-04	2.52E-05	5.55E-05	2.06E-04	1.81E-05	6.29E-06	3.60E-05	4.30E-06	5.72E-06	1.89E-05	1.30E-06
8412	470927.99	3819482.88	0.000067281	2.83E-04	2.54E-05	5.60E-05	2.08E-04	1.83E-05	6.35E-06	3.64E-05	4.34E-06	5.78E-06	1.90E-05	1.31E-06
8413	470924.24	3819491.68	0.000067935	2.85E-04	2.57E-05	5.66E-05	2.10E-04	1.84E-05	6.42E-06	3.67E-05	4.38E-06	5.83E-06	1.92E-05	1.33E-06
8414	470920.49	3819500.47	0.000068551	2.88E-04	2.59E-05	5.71E-05	2.12E-04	1.86E-05	6.47E-06	3.71E-05	4.42E-06	5.88E-06	1.94E-05	1.34E-06
8415	470916.75	3819509.27	0.000069133	2.90E-04	2.61E-05	5.76E-05	2.13E-04	1.88E-05	6.53E-06	3.74E-05	4.46E-06	5.93E-06	1.96E-05	1.35E-06
8416	470913	3819518.07	0.000069681	2.93E-04	2.64E-05	5.80E-05	2.15E-04	1.89E-05	6.58E-06	3.77E-05	4.49E-06	5.98E-06	1.97E-05	1.36E-06
8417	470909.25	3819526.87	0.000070191	2.95E-04	2.65E-05	5.85E-05	2.17E-04	1.91E-05	6.63E-06	3.79E-05	4.53E-06	6.03E-06	1.99E-05	1.37E-06
8418	470905.51	3819535.66	0.000070658	2.97E-04	2.67E-05	5.89E-05	2.18E-04	1.92E-05	6.67E-06	3.82E-05	4.56E-06	6.07E-06	2.00E-05	1.38E-06
8419	470901.76	3819544.46	0.000071091	2.99E-04	2.69E-05	5.92E-05	2.19E-04	1.93E-05	6.71E-06	3.84E-05	4.59E-06	6.10E-06	2.01E-05	1.39E-06
8420	470898.01	3819553.26	0.00007148	3.00E-04	2.70E-05	5.95E-05	2.21E-04	1.94E-05	6.75E-06	3.86E-05	4.61E-06	6.14E-06	2.02E-05	1.39E-06
8421	470894.27	3819562.06	0.000071827	3.02E-04	2.72E-05	5.98E-05	2.22E-04	1.95E-05	6.78E-06	3.88E-05	4.63E-06	6.17E-06	2.03E-05	1.40E-06
8422	470890.52	3819570.85	0.000072134	3.03E-04	2.73E-05	6.01E-05	2.23E-04	1.96E-05	6.81E-06	3.90E-05	4.65E-06	6.19E-06	2.04E-05	1.41E-06
8423	470886.77	3819579.65	0.000072399	3.04E-04	2.74E-05	6.03E-05	2.23E-04	1.97E-05	6.84E-06	3.91E-05	4.67E-06	6.22E-06	2.05E-05	1.41E-06
8424	470883.03	3819588.45	0.000072625	3.05E-04	2.75E-05	6.05E-05	2.24E-04	1.97E-05	6.86E-06	3.93E-05	4.68E-06	6.23E-06	2.06E-05	1.42E-06

8425	470879.28	3819597.24	0.000072808	3.06E-04	2.75E-05	6.06E-05	2.25E-04	1.98E-05	6.88E-06	3.94E-05	4.70E-06	6.25E-06	2.06E-05	1.42E-06
8426	470864.3	3819632.43	0.000073121	3.07E-04	2.77E-05	6.09E-05	2.26E-04	1.98E-05	6.90E-06	3.95E-05	4.72E-06	6.28E-06	2.07E-05	1.43E-06
8427	470860.55	3819641.23	0.000073101	3.07E-04	2.76E-05	6.09E-05	2.26E-04	1.98E-05	6.90E-06	3.95E-05	4.72E-06	6.28E-06	2.07E-05	1.43E-06
8428	470856.8	3819650.03	0.000073044	3.07E-04	2.76E-05	6.08E-05	2.25E-04	1.98E-05	6.90E-06	3.95E-05	4.71E-06	6.27E-06	2.07E-05	1.43E-06
8429	470853.06	3819658.82	0.000072952	3.06E-04	2.76E-05	6.08E-05	2.25E-04	1.98E-05	6.89E-06	3.94E-05	4.71E-06	6.26E-06	2.07E-05	1.42E-06
8430	470849.31	3819667.62	0.000072832	3.06E-04	2.75E-05	6.07E-05	2.25E-04	1.98E-05	6.88E-06	3.94E-05	4.70E-06	6.25E-06	2.06E-05	1.42E-06
8431	470845.56	3819676.42	0.000072678	3.05E-04	2.75E-05	6.05E-05	2.24E-04	1.97E-05	6.86E-06	3.93E-05	4.69E-06	6.24E-06	2.06E-05	1.42E-06
8432	470841.82	3819685.22	0.00007249	3.04E-04	2.74E-05	6.04E-05	2.24E-04	1.97E-05	6.85E-06	3.92E-05	4.68E-06	6.22E-06	2.05E-05	1.41E-06
8433	470838.07	3819694.01	0.000072284	3.04E-04	2.73E-05	6.02E-05	2.23E-04	1.96E-05	6.83E-06	3.91E-05	4.66E-06	6.21E-06	2.05E-05	1.41E-06
8434	470834.32	3819702.81	0.000072053	3.03E-04	2.73E-05	6.00E-05	2.22E-04	1.96E-05	6.80E-06	3.90E-05	4.65E-06	6.19E-06	2.04E-05	1.41E-06
8435	470830.58	3819711.61	0.000071793	3.02E-04	2.72E-05	5.98E-05	2.22E-04	1.95E-05	6.78E-06	3.88E-05	4.63E-06	6.16E-06	2.03E-05	1.40E-06
8436	470826.83	3819720.4	0.000071519	3.00E-04	2.70E-05	5.96E-05	2.21E-04	1.94E-05	6.75E-06	3.87E-05	4.61E-06	6.14E-06	2.02E-05	1.40E-06
8437	470403.25	3820057.55	0.000094133	3.95E-04	3.56E-05	7.84E-05	2.90E-04	2.56E-05	8.89E-06	5.09E-05	6.07E-06	8.08E-06	2.66E-05	1.84E-06
8438	470394.37	3820061.1	0.000094989	3.99E-04	3.59E-05	7.91E-05	2.93E-04	2.58E-05	8.97E-06	5.14E-05	6.13E-06	8.15E-06	2.69E-05	1.85E-06
8439	470385.49	3820064.65	0.000095802	4.02E-04	3.62E-05	7.98E-05	2.96E-04	2.60E-05	9.05E-06	5.18E-05	6.18E-06	8.22E-06	2.71E-05	1.87E-06
8440	470376.61	3820068.19	0.000096572	4.06E-04	3.65E-05	8.04E-05	2.98E-04	2.62E-05	9.12E-06	5.22E-05	6.23E-06	8.29E-06	2.73E-05	1.88E-06
8441	470367.73	3820071.74	0.000097298	4.09E-04	3.68E-05	8.10E-05	3.00E-04	2.64E-05	9.19E-06	5.26E-05	6.28E-06	8.35E-06	2.75E-05	1.90E-06
8442	470358.86	3820075.29	0.000097977	4.11E-04	3.71E-05	8.16E-05	3.02E-04	2.66E-05	9.25E-06	5.30E-05	6.32E-06	8.41E-06	2.77E-05	1.91E-06
8443	470349.98	3820078.84	0.000098621	4.14E-04	3.73E-05	8.21E-05	3.04E-04	2.68E-05	9.31E-06	5.33E-05	6.36E-06	8.47E-06	2.79E-05	1.92E-06
8444	470341.1	3820082.38	0.000099232	4.17E-04	3.75E-05	8.27E-05	3.06E-04	2.69E-05	9.37E-06	5.36E-05	6.40E-06	8.52E-06	2.81E-05	1.94E-06
8445	470332.22	3820085.93	0.000099805	4.19E-04	3.77E-05	8.31E-05	3.08E-04	2.71E-05	9.42E-06	5.40E-05	6.44E-06	8.57E-06	2.83E-05	1.95E-06
8446	470323.34	3820089.48	0.00010034	4.21E-04	3.79E-05	8.36E-05	3.10E-04	2.72E-05	9.48E-06	5.42E-05	6.47E-06	8.61E-06	2.84E-05	1.96E-06
8447	470314.46	3820093.03	0.00010085	4.24E-04	3.81E-05	8.40E-05	3.11E-04	2.74E-05	9.52E-06	5.45E-05	6.50E-06	8.66E-06	2.85E-05	1.97E-06
8448	470305.58	3820096.58	0.00010133	4.26E-04	3.83E-05	8.44E-05	3.13E-04	2.75E-05	9.57E-06	5.48E-05	6.54E-06	8.70E-06	2.87E-05	1.98E-06
8449	470939.23	3819456.49	0.000065135	2.74E-04	2.46E-05	5.43E-05	2.01E-04	1.77E-05	6.15E-06	3.52E-05	4.20E-06	5.59E-06	1.84E-05	1.27E-06
8450	470939.31	3819446.84	0.000065015	2.73E-04	2.46E-05	5.42E-05	2.01E-04	1.76E-05	6.14E-06	3.51E-05	4.19E-06	5.58E-06	1.84E-05	1.27E-06
8451	470939.39	3819437.19	0.000064851	2.72E-04	2.45E-05	5.40E-05	2.00E-04	1.76E-05	6.12E-06	3.51E-05	4.18E-06	5.57E-06	1.84E-05	1.27E-06
8452	470939.47	3819427.54	0.000064635	2.71E-04	2.44E-05	5.38E-05	1.99E-04	1.75E-05	6.10E-06	3.49E-05	4.17E-06	5.55E-06	1.83E-05	1.26E-06
8453	470939.56	3819417.9	0.00006437	2.70E-04	2.43E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
8454	470939.64	3819408.25	0.000064057	2.69E-04	2.42E-05	5.34E-05	1.98E-04	1.74E-05	6.05E-06	3.46E-05	4.13E-06	5.50E-06	1.81E-05	1.25E-06
8455	470939.72	3819398.6	0.000063692	2.67E-04	2.41E-05	5.31E-05	1.97E-04	1.73E-05	6.01E-06	3.44E-05	4.11E-06	5.47E-06	1.80E-05	1.24E-06
8456	470939.8	3819388.95	0.000063278	2.66E-04	2.39E-05	5.27E-05	1.95E-04	1.72E-05	5.98E-06	3.42E-05	4.08E-06	5.43E-06	1.79E-05	1.23E-06
8457	470939.89	3819379.3	0.000062802	2.64E-04	2.38E-05	5.23E-05	1.94E-04	1.70E-05	5.93E-06	3.40E-05	4.05E-06	5.39E-06	1.78E-05	1.23E-06
8458	470939.97	3819369.66	0.000062282	2.62E-04	2.36E-05	5.19E-05	1.92E-04	1.69E-05	5.88E-06	3.37E-05	4.02E-06	5.35E-06	1.76E-05	1.22E-06
8459	470940.05	3819360.01	0.00006171	2.59E-04	2.33E-05	5.14E-05	1.90E-04	1.68E-05	5.83E-06	3.34E-05	3.98E-06	5.30E-06	1.75E-05	1.20E-06
8460	470940.14	3819350.36	0.00006108	2.57E-04	2.31E-05	5.09E-05	1.88E-04	1.66E-05	5.77E-06	3.30E-05	3.94E-06	5.24E-06	1.73E-05	1.19E-06
8461	470940.22	3819340.71	0.000060401	2.54E-04	2.28E-05	5.03E-05	1.86E-04	1.64E-05	5.70E-06	3.27E-05	3.90E-06	5.19E-06	1.71E-05	1.18E-06
8462	470940.3	3819331.06	0.000059675	2.51E-04	2.26E-05	4.97E-05	1.84E-04	1.62E-05	5.64E-06	3.23E-05	3.85E-06	5.12E-06	1.69E-05	1.16E-06
8463	470940.38	3819321.41	0.000058891	2.47E-04	2.23E-05	4.91E-05	1.82E-04	1.60E-05	5.56E-06	3.18E-05	3.80E-06	5.06E-06	1.67E-05	1.15E-06
8464	470940.47	3819311.77	0.000058059	2.44E-04	2.20E-05	4.84E-05	1.79E-04	1.58E-05	5.48E-06	3.14E-05	3.74E-06	4.98E-06	1.64E-05	1.13E-06
8465	470940.55	3819302.12	0.000057178	2.40E-04	2.16E-05	4.76E-05	1.76E-04	1.55E-05	5.40E-06	3.09E-05	3.69E-06	4.91E-06	1.62E-05	1.12E-06
8466	470940.63	3819292.47	0.000056245	2.36E-04	2.13E-05	4.68E-05	1.74E-04	1.53E-05	5.31E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
8467	470940.71	3819282.82	0.000055273	2.32E-04	2.09E-05	4.60E-05	1.71E-04	1.50E-05	5.22E-06	2.99E-05	3.57E-06	4.75E-06	1.56E-05	1.08E-06

8468	470940.8	3819273.17	0.000054263	2.28E-04	2.05E-05	4.52E-05	1.67E-04	1.47E-05	5.12E-06	2.93E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
8469	470940.88	3819263.53	0.000053219	2.24E-04	2.01E-05	4.43E-05	1.64E-04	1.44E-05	5.03E-06	2.88E-05	3.43E-06	4.57E-06	1.51E-05	1.04E-06
8470	470940.96	3819253.88	0.000052137	2.19E-04	1.97E-05	4.34E-05	1.61E-04	1.42E-05	4.92E-06	2.82E-05	3.36E-06	4.48E-06	1.48E-05	1.02E-06
8471	470941.05	3819244.23	0.000051026	2.14E-04	1.93E-05	4.25E-05	1.57E-04	1.39E-05	4.82E-06	2.76E-05	3.29E-06	4.38E-06	1.44E-05	9.96E-07
8472	470975.46	3819465.66	0.00005904	2.48E-04	2.23E-05	4.92E-05	1.82E-04	1.60E-05	5.58E-06	3.19E-05	3.81E-06	5.07E-06	1.67E-05	1.15E-06
8473	470971.7	3819474.49	0.000059675	2.51E-04	2.26E-05	4.97E-05	1.84E-04	1.62E-05	5.64E-06	3.23E-05	3.85E-06	5.12E-06	1.69E-05	1.16E-06
8474	470967.94	3819483.32	0.000060286	2.53E-04	2.28E-05	5.02E-05	1.86E-04	1.64E-05	5.69E-06	3.26E-05	3.89E-06	5.18E-06	1.71E-05	1.18E-06
8475	470964.18	3819492.15	0.000060873	2.56E-04	2.30E-05	5.07E-05	1.88E-04	1.65E-05	5.75E-06	3.29E-05	3.93E-06	5.23E-06	1.72E-05	1.19E-06
8476	470960.42	3819500.98	0.000061431	2.58E-04	2.32E-05	5.12E-05	1.90E-04	1.67E-05	5.80E-06	3.32E-05	3.96E-06	5.27E-06	1.74E-05	1.20E-06
8477	470956.66	3819509.81	0.00006196	2.60E-04	2.34E-05	5.16E-05	1.91E-04	1.68E-05	5.85E-06	3.35E-05	4.00E-06	5.32E-06	1.75E-05	1.21E-06
8478	470952.9	3819518.65	0.000062465	2.62E-04	2.36E-05	5.20E-05	1.93E-04	1.70E-05	5.90E-06	3.38E-05	4.03E-06	5.36E-06	1.77E-05	1.22E-06
8479	470949.14	3819527.48	0.000062937	2.64E-04	2.38E-05	5.24E-05	1.94E-04	1.71E-05	5.94E-06	3.40E-05	4.06E-06	5.40E-06	1.78E-05	1.23E-06
8480	470945.38	3819536.31	0.000063379	2.66E-04	2.40E-05	5.28E-05	1.96E-04	1.72E-05	5.98E-06	3.43E-05	4.09E-06	5.44E-06	1.79E-05	1.24E-06
8481	470941.62	3819545.14	0.000063793	2.68E-04	2.41E-05	5.31E-05	1.97E-04	1.73E-05	6.02E-06	3.45E-05	4.11E-06	5.48E-06	1.81E-05	1.24E-06
8482	470937.86	3819553.97	0.000064173	2.70E-04	2.43E-05	5.35E-05	1.98E-04	1.74E-05	6.06E-06	3.47E-05	4.14E-06	5.51E-06	1.82E-05	1.25E-06
8483	470934.1	3819562.8	0.000064519	2.71E-04	2.44E-05	5.37E-05	1.99E-04	1.75E-05	6.09E-06	3.49E-05	4.16E-06	5.54E-06	1.83E-05	1.26E-06
8484	470930.34	3819571.63	0.000064832	2.72E-04	2.45E-05	5.40E-05	2.00E-04	1.76E-05	6.12E-06	3.50E-05	4.18E-06	5.57E-06	1.84E-05	1.27E-06
8485	470926.57	3819580.46	0.000065111	2.73E-04	2.46E-05	5.42E-05	2.01E-04	1.77E-05	6.15E-06	3.52E-05	4.20E-06	5.59E-06	1.84E-05	1.27E-06
8486	470922.81	3819589.29	0.000065356	2.74E-04	2.47E-05	5.44E-05	2.02E-04	1.77E-05	6.17E-06	3.53E-05	4.22E-06	5.61E-06	1.85E-05	1.28E-06
8487	470919.05	3819598.12	0.000065568	2.75E-04	2.48E-05	5.46E-05	2.02E-04	1.78E-05	6.19E-06	3.54E-05	4.23E-06	5.63E-06	1.86E-05	1.28E-06
8488	470915.29	3819606.95	0.000065746	2.76E-04	2.49E-05	5.48E-05	2.03E-04	1.78E-05	6.21E-06	3.55E-05	4.24E-06	5.64E-06	1.86E-05	1.28E-06
8489	470911.53	3819615.78	0.00006589	2.77E-04	2.49E-05	5.49E-05	2.03E-04	1.79E-05	6.22E-06	3.56E-05	4.25E-06	5.66E-06	1.87E-05	1.29E-06
8490	470907.77	3819624.61	0.000065996	2.77E-04	2.50E-05	5.50E-05	2.04E-04	1.79E-05	6.23E-06	3.57E-05	4.26E-06	5.67E-06	1.87E-05	1.29E-06
8491	470896.49	3819651.1	0.000066112	2.78E-04	2.50E-05	5.51E-05	2.04E-04	1.79E-05	6.24E-06	3.57E-05	4.26E-06	5.68E-06	1.87E-05	1.29E-06
8492	470892.73	3819659.93	0.000066083	2.78E-04	2.50E-05	5.50E-05	2.04E-04	1.79E-05	6.24E-06	3.57E-05	4.26E-06	5.67E-06	1.87E-05	1.29E-06
8493	470888.97	3819668.76	0.00006603	2.77E-04	2.50E-05	5.50E-05	2.04E-04	1.79E-05	6.24E-06	3.57E-05	4.26E-06	5.67E-06	1.87E-05	1.29E-06
8494	470885.21	3819677.59	0.000065948	2.77E-04	2.49E-05	5.49E-05	2.04E-04	1.79E-05	6.23E-06	3.57E-05	4.25E-06	5.66E-06	1.87E-05	1.29E-06
8495	470881.45	3819686.43	0.000065837	2.76E-04	2.49E-05	5.48E-05	2.03E-04	1.79E-05	6.22E-06	3.56E-05	4.25E-06	5.65E-06	1.86E-05	1.28E-06
8496	470877.69	3819695.26	0.000065703	2.76E-04	2.48E-05	5.47E-05	2.03E-04	1.78E-05	6.20E-06	3.55E-05	4.24E-06	5.64E-06	1.86E-05	1.28E-06
8497	470873.93	3819704.09	0.000065544	2.75E-04	2.48E-05	5.46E-05	2.02E-04	1.78E-05	6.19E-06	3.54E-05	4.23E-06	5.63E-06	1.86E-05	1.28E-06
8498	470870.16	3819712.92	0.000065366	2.75E-04	2.47E-05	5.44E-05	2.02E-04	1.77E-05	6.17E-06	3.53E-05	4.22E-06	5.61E-06	1.85E-05	1.28E-06
8499	470866.4	3819721.75	0.000065164	2.74E-04	2.46E-05	5.43E-05	2.01E-04	1.77E-05	6.15E-06	3.52E-05	4.20E-06	5.59E-06	1.84E-05	1.27E-06
8500	470862.64	3819730.58	0.000064947	2.73E-04	2.46E-05	5.41E-05	2.00E-04	1.76E-05	6.13E-06	3.51E-05	4.19E-06	5.58E-06	1.84E-05	1.27E-06
8501	470858.88	3819739.41	0.000064712	2.72E-04	2.45E-05	5.39E-05	2.00E-04	1.76E-05	6.11E-06	3.50E-05	4.17E-06	5.56E-06	1.83E-05	1.26E-06
8502	470855.12	3819748.24	0.000064462	2.71E-04	2.44E-05	5.37E-05	1.99E-04	1.75E-05	6.09E-06	3.48E-05	4.16E-06	5.53E-06	1.82E-05	1.26E-06
8503	470851.36	3819757.07	0.000064202	2.70E-04	2.43E-05	5.35E-05	1.98E-04	1.74E-05	6.06E-06	3.47E-05	4.14E-06	5.51E-06	1.82E-05	1.25E-06
8504	470581.46	3820026.12	0.000068377	2.87E-04	2.59E-05	5.70E-05	2.11E-04	1.86E-05	6.46E-06	3.70E-05	4.41E-06	5.87E-06	1.94E-05	1.33E-06
8505	470572.54	3820029.68	0.000069243	2.91E-04	2.62E-05	5.77E-05	2.14E-04	1.88E-05	6.54E-06	3.74E-05	4.47E-06	5.94E-06	1.96E-05	1.35E-06
8506	470563.63	3820033.25	0.000070138	2.95E-04	2.65E-05	5.84E-05	2.16E-04	1.90E-05	6.62E-06	3.79E-05	4.52E-06	6.02E-06	1.99E-05	1.37E-06
8507	470554.72	3820036.81	0.000071047	2.98E-04	2.69E-05	5.92E-05	2.19E-04	1.93E-05	6.71E-06	3.84E-05	4.58E-06	6.10E-06	2.01E-05	1.39E-06
8508	470545.8	3820040.37	0.000071976	3.02E-04	2.72E-05	6.00E-05	2.22E-04	1.95E-05	6.80E-06	3.89E-05	4.64E-06	6.18E-06	2.04E-05	1.40E-06
8509	470536.89	3820043.93	0.000072923	3.06E-04	2.76E-05	6.07E-05	2.25E-04	1.98E-05	6.89E-06	3.94E-05	4.70E-06	6.26E-06	2.06E-05	1.42E-06
8510	470527.98	3820047.49	0.0000739	3.10E-04	2.79E-05	6.16E-05	2.28E-04	2.01E-05	6.98E-06	4.00E-05	4.77E-06	6.34E-06	2.09E-05	1.44E-06

8511	470519.07	3820051.05	0.000074905	3.15E-04	2.83E-05	6.24E-05	2.31E-04	2.03E-05	7.07E-06	4.05E-05	4.83E-06	6.43E-06	2.12E-05	1.46E-06
8512	470510.15	3820054.61	0.00007592	3.19E-04	2.87E-05	6.32E-05	2.34E-04	2.06E-05	7.17E-06	4.10E-05	4.90E-06	6.52E-06	2.15E-05	1.48E-06
8513	470501.24	3820058.17	0.00007694	3.23E-04	2.91E-05	6.41E-05	2.37E-04	2.09E-05	7.27E-06	4.16E-05	4.96E-06	6.61E-06	2.18E-05	1.50E-06
8514	470492.33	3820061.73	0.000077931	3.27E-04	2.95E-05	6.49E-05	2.40E-04	2.12E-05	7.36E-06	4.21E-05	5.03E-06	6.69E-06	2.21E-05	1.52E-06
8515	470483.41	3820065.3	0.000078903	3.31E-04	2.98E-05	6.57E-05	2.43E-04	2.14E-05	7.45E-06	4.27E-05	5.09E-06	6.77E-06	2.23E-05	1.54E-06
8516	470474.5	3820068.86	0.00007986	3.35E-04	3.02E-05	6.65E-05	2.46E-04	2.17E-05	7.54E-06	4.32E-05	5.15E-06	6.86E-06	2.26E-05	1.56E-06
8517	470465.59	3820072.42	0.000080817	3.39E-04	3.06E-05	6.73E-05	2.49E-04	2.19E-05	7.63E-06	4.37E-05	5.21E-06	6.94E-06	2.29E-05	1.58E-06
8518	470456.68	3820075.98	0.00008177	3.43E-04	3.09E-05	6.81E-05	2.52E-04	2.22E-05	7.72E-06	4.42E-05	5.27E-06	7.02E-06	2.31E-05	1.60E-06
8519	470447.76	3820079.54	0.000082694	3.47E-04	3.13E-05	6.89E-05	2.55E-04	2.24E-05	7.81E-06	4.47E-05	5.33E-06	7.10E-06	2.34E-05	1.61E-06
8520	470438.85	3820083.1	0.000083588	3.51E-04	3.16E-05	6.96E-05	2.58E-04	2.27E-05	7.89E-06	4.52E-05	5.39E-06	7.18E-06	2.37E-05	1.63E-06
8521	470429.94	3820086.66	0.000084445	3.55E-04	3.19E-05	7.03E-05	2.61E-04	2.29E-05	7.97E-06	4.57E-05	5.45E-06	7.25E-06	2.39E-05	1.65E-06
8522	470421.02	3820090.22	0.000085267	3.58E-04	3.22E-05	7.10E-05	2.63E-04	2.31E-05	8.05E-06	4.61E-05	5.50E-06	7.32E-06	2.41E-05	1.66E-06
8523	470412.11	3820093.78	0.000086047	3.61E-04	3.25E-05	7.17E-05	2.66E-04	2.34E-05	8.13E-06	4.65E-05	5.55E-06	7.39E-06	2.44E-05	1.68E-06
8524	470403.2	3820097.35	0.000086778	3.64E-04	3.28E-05	7.23E-05	2.68E-04	2.36E-05	8.19E-06	4.69E-05	5.60E-06	7.45E-06	2.46E-05	1.69E-06
8525	470394.29	3820100.91	0.000087466	3.67E-04	3.31E-05	7.29E-05	2.70E-04	2.37E-05	8.26E-06	4.73E-05	5.64E-06	7.51E-06	2.48E-05	1.71E-06
8526	470385.37	3820104.47	0.000088115	3.70E-04	3.33E-05	7.34E-05	2.72E-04	2.39E-05	8.32E-06	4.76E-05	5.68E-06	7.56E-06	2.49E-05	1.72E-06
8527	470376.46	3820108.03	0.000088721	3.73E-04	3.36E-05	7.39E-05	2.74E-04	2.41E-05	8.38E-06	4.80E-05	5.72E-06	7.62E-06	2.51E-05	1.73E-06
8528	470367.55	3820111.59	0.000089289	3.75E-04	3.38E-05	7.44E-05	2.76E-04	2.42E-05	8.43E-06	4.83E-05	5.76E-06	7.67E-06	2.53E-05	1.74E-06
8529	470358.63	3820115.15	0.000089828	3.77E-04	3.40E-05	7.48E-05	2.77E-04	2.44E-05	8.48E-06	4.86E-05	5.79E-06	7.71E-06	2.54E-05	1.75E-06
8530	470349.72	3820118.71	0.000090328	3.79E-04	3.42E-05	7.52E-05	2.79E-04	2.45E-05	8.53E-06	4.88E-05	5.83E-06	7.75E-06	2.56E-05	1.76E-06
8531	470340.81	3820122.27	0.000090799	3.81E-04	3.43E-05	7.56E-05	2.80E-04	2.46E-05	8.57E-06	4.91E-05	5.86E-06	7.79E-06	2.57E-05	1.77E-06
8532	470331.9	3820125.83	0.000091252	3.83E-04	3.45E-05	7.60E-05	2.82E-04	2.48E-05	8.62E-06	4.93E-05	5.89E-06	7.83E-06	2.58E-05	1.78E-06
8533	470322.98	3820129.4	0.000091689	3.85E-04	3.47E-05	7.64E-05	2.83E-04	2.49E-05	8.66E-06	4.96E-05	5.91E-06	7.87E-06	2.60E-05	1.79E-06
8534	470314.07	3820132.96	0.000092132	3.87E-04	3.48E-05	7.67E-05	2.84E-04	2.50E-05	8.70E-06	4.98E-05	5.94E-06	7.91E-06	2.61E-05	1.80E-06
8535	470305.16	3820136.52	0.00009256	3.89E-04	3.50E-05	7.71E-05	2.86E-04	2.51E-05	8.74E-06	5.00E-05	5.97E-06	7.95E-06	2.62E-05	1.81E-06
8536	470296.24	3820140.08	0.000092955	3.90E-04	3.52E-05	7.74E-05	2.87E-04	2.52E-05	8.78E-06	5.03E-05	6.00E-06	7.98E-06	2.63E-05	1.81E-06
8537	470979.22	3819456.83	0.000058381	2.45E-04	2.21E-05	4.86E-05	1.80E-04	1.58E-05	5.51E-06	3.16E-05	3.77E-06	5.01E-06	1.65E-05	1.14E-06
8538	470979.31	3819447.18	0.000058256	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
8539	470979.39	3819437.54	0.000058097	2.44E-04	2.20E-05	4.84E-05	1.79E-04	1.58E-05	5.49E-06	3.14E-05	3.75E-06	4.99E-06	1.64E-05	1.13E-06
8540	470979.47	3819427.89	0.000057895	2.43E-04	2.19E-05	4.82E-05	1.79E-04	1.57E-05	5.47E-06	3.13E-05	3.73E-06	4.97E-06	1.64E-05	1.13E-06
8541	470979.56	3819418.24	0.000057655	2.42E-04	2.18E-05	4.80E-05	1.78E-04	1.57E-05	5.44E-06	3.12E-05	3.72E-06	4.95E-06	1.63E-05	1.12E-06
8542	470979.64	3819408.59	0.000057376	2.41E-04	2.17E-05	4.78E-05	1.77E-04	1.56E-05	5.42E-06	3.10E-05	3.70E-06	4.93E-06	1.62E-05	1.12E-06
8543	470979.72	3819398.94	0.000057053	2.40E-04	2.16E-05	4.75E-05	1.76E-04	1.55E-05	5.39E-06	3.08E-05	3.68E-06	4.90E-06	1.61E-05	1.11E-06
8544	470979.8	3819389.29	0.000056692	2.38E-04	2.14E-05	4.72E-05	1.75E-04	1.54E-05	5.35E-06	3.06E-05	3.66E-06	4.87E-06	1.60E-05	1.11E-06
8545	470979.89	3819379.65	0.000056284	2.36E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.31E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
8546	470979.97	3819370	0.000055836	2.34E-04	2.11E-05	4.65E-05	1.72E-04	1.52E-05	5.27E-06	3.02E-05	3.60E-06	4.79E-06	1.58E-05	1.09E-06
8547	470980.05	3819360.35	0.000055346	2.32E-04	2.09E-05	4.61E-05	1.71E-04	1.50E-05	5.23E-06	2.99E-05	3.57E-06	4.75E-06	1.57E-05	1.08E-06
8548	470980.13	3819350.7	0.000054807	2.30E-04	2.07E-05	4.57E-05	1.69E-04	1.49E-05	5.18E-06	2.96E-05	3.54E-06	4.71E-06	1.55E-05	1.07E-06
8549	470980.22	3819341.05	0.00005422	2.28E-04	2.05E-05	4.52E-05	1.67E-04	1.47E-05	5.12E-06	2.93E-05	3.50E-06	4.65E-06	1.53E-05	1.06E-06
8550	470980.3	3819331.41	0.000053594	2.25E-04	2.03E-05	4.46E-05	1.65E-04	1.45E-05	5.06E-06	2.90E-05	3.46E-06	4.60E-06	1.52E-05	1.05E-06
8551	470980.38	3819321.76	0.000052921	2.22E-04	2.00E-05	4.41E-05	1.63E-04	1.44E-05	5.00E-06	2.86E-05	3.41E-06	4.54E-06	1.50E-05	1.03E-06
8552	470980.47	3819312.11	0.000052209	2.19E-04	1.97E-05	4.35E-05	1.61E-04	1.42E-05	4.93E-06	2.82E-05	3.37E-06	4.48E-06	1.48E-05	1.02E-06
8553	470980.55	3819302.46	0.000051463	2.16E-04	1.95E-05	4.29E-05	1.59E-04	1.40E-05	4.86E-06	2.78E-05	3.32E-06	4.42E-06	1.46E-05	1.00E-06

8554	470980.63	3819292.81	0.000050679	2.13E-04	1.92E-05	4.22E-05	1.56E-04	1.38E-05	4.79E-06	2.74E-05	3.27E-06	4.35E-06	1.43E-05	9.89E-07
8555	470980.71	3819283.16	0.000049857	2.09E-04	1.89E-05	4.15E-05	1.54E-04	1.35E-05	4.71E-06	2.70E-05	3.22E-06	4.28E-06	1.41E-05	9.73E-07
8556	470980.8	3819273.52	0.000049	2.06E-04	1.85E-05	4.08E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.56E-07
8557	470980.88	3819263.87	0.00004811	2.02E-04	1.82E-05	4.01E-05	1.48E-04	1.31E-05	4.54E-06	2.60E-05	3.10E-06	4.13E-06	1.36E-05	9.39E-07
8558	470980.96	3819254.22	0.000047192	1.98E-04	1.78E-05	3.93E-05	1.46E-04	1.28E-05	4.46E-06	2.55E-05	3.04E-06	4.05E-06	1.34E-05	9.21E-07
8559	470981.04	3819244.57	0.000046244	1.94E-04	1.75E-05	3.85E-05	1.43E-04	1.26E-05	4.37E-06	2.50E-05	2.98E-06	3.97E-06	1.31E-05	9.02E-07
8560	471055.5	3819466.26	0.000048139	2.02E-04	1.82E-05	4.01E-05	1.49E-04	1.31E-05	4.55E-06	2.60E-05	3.11E-06	4.13E-06	1.36E-05	9.39E-07
8561	471051.77	3819475.01	0.000048635	2.04E-04	1.84E-05	4.05E-05	1.50E-04	1.32E-05	4.59E-06	2.63E-05	3.14E-06	4.18E-06	1.38E-05	9.49E-07
8562	471048.05	3819483.76	0.000049116	2.06E-04	1.86E-05	4.09E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.58E-07
8563	471044.32	3819492.5	0.000049582	2.08E-04	1.88E-05	4.13E-05	1.53E-04	1.35E-05	4.68E-06	2.68E-05	3.20E-06	4.26E-06	1.40E-05	9.68E-07
8564	471040.6	3819501.25	0.00005003	2.10E-04	1.89E-05	4.17E-05	1.54E-04	1.36E-05	4.72E-06	2.70E-05	3.23E-06	4.29E-06	1.42E-05	9.76E-07
8565	471036.87	3819510	0.000050463	2.12E-04	1.91E-05	4.20E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.25E-06	4.33E-06	1.43E-05	9.85E-07
8566	471033.15	3819518.74	0.000050877	2.14E-04	1.92E-05	4.24E-05	1.57E-04	1.38E-05	4.80E-06	2.75E-05	3.28E-06	4.37E-06	1.44E-05	9.93E-07
8567	471029.42	3819527.49	0.000051276	2.15E-04	1.94E-05	4.27E-05	1.58E-04	1.39E-05	4.84E-06	2.77E-05	3.31E-06	4.40E-06	1.45E-05	1.00E-06
8568	471025.7	3819536.24	0.000051651	2.17E-04	1.95E-05	4.30E-05	1.59E-04	1.40E-05	4.88E-06	2.79E-05	3.33E-06	4.43E-06	1.46E-05	1.01E-06
8569	471021.97	3819544.98	0.000052012	2.18E-04	1.97E-05	4.33E-05	1.61E-04	1.41E-05	4.91E-06	2.81E-05	3.35E-06	4.47E-06	1.47E-05	1.01E-06
8570	471018.25	3819553.73	0.000052349	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.94E-06	2.83E-05	3.38E-06	4.49E-06	1.48E-05	1.02E-06
8571	471014.52	3819562.47	0.000052671	2.21E-04	1.99E-05	4.39E-05	1.63E-04	1.43E-05	4.97E-06	2.85E-05	3.40E-06	4.52E-06	1.49E-05	1.03E-06
8572	471010.8	3819571.22	0.000052969	2.22E-04	2.00E-05	4.41E-05	1.63E-04	1.44E-05	5.00E-06	2.86E-05	3.42E-06	4.55E-06	1.50E-05	1.03E-06
8573	471007.07	3819579.97	0.000053248	2.24E-04	2.01E-05	4.44E-05	1.64E-04	1.45E-05	5.03E-06	2.88E-05	3.43E-06	4.57E-06	1.51E-05	1.04E-06
8574	471003.35	3819588.71	0.000053508	2.25E-04	2.02E-05	4.46E-05	1.65E-04	1.45E-05	5.05E-06	2.89E-05	3.45E-06	4.59E-06	1.51E-05	1.04E-06
8575	470999.62	3819597.46	0.000053744	2.26E-04	2.03E-05	4.48E-05	1.66E-04	1.46E-05	5.08E-06	2.91E-05	3.47E-06	4.61E-06	1.52E-05	1.05E-06
8576	470995.9	3819606.21	0.000053955	2.27E-04	2.04E-05	4.49E-05	1.66E-04	1.46E-05	5.10E-06	2.92E-05	3.48E-06	4.63E-06	1.53E-05	1.05E-06
8577	470992.17	3819614.95	0.000054143	2.27E-04	2.05E-05	4.51E-05	1.67E-04	1.47E-05	5.11E-06	2.93E-05	3.49E-06	4.65E-06	1.53E-05	1.06E-06
8578	470988.45	3819623.7	0.000054311	2.28E-04	2.05E-05	4.52E-05	1.68E-04	1.47E-05	5.13E-06	2.94E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
8579	470984.72	3819632.45	0.000054451	2.29E-04	2.06E-05	4.54E-05	1.68E-04	1.48E-05	5.14E-06	2.94E-05	3.51E-06	4.67E-06	1.54E-05	1.06E-06
8580	470981	3819641.19	0.000054571	2.29E-04	2.06E-05	4.55E-05	1.68E-04	1.48E-05	5.15E-06	2.95E-05	3.52E-06	4.68E-06	1.54E-05	1.06E-06
8581	470977.27	3819649.94	0.000054667	2.30E-04	2.07E-05	4.55E-05	1.69E-04	1.48E-05	5.16E-06	2.96E-05	3.53E-06	4.69E-06	1.55E-05	1.07E-06
8582	470973.55	3819658.69	0.000054739	2.30E-04	2.07E-05	4.56E-05	1.69E-04	1.49E-05	5.17E-06	2.96E-05	3.53E-06	4.70E-06	1.55E-05	1.07E-06
8583	470969.82	3819667.43	0.000054788	2.30E-04	2.07E-05	4.56E-05	1.69E-04	1.49E-05	5.17E-06	2.96E-05	3.53E-06	4.70E-06	1.55E-05	1.07E-06
8584	470954.93	3819702.42	0.000054759	2.30E-04	2.07E-05	4.56E-05	1.69E-04	1.49E-05	5.17E-06	2.96E-05	3.53E-06	4.70E-06	1.55E-05	1.07E-06
8585	470951.2	3819711.16	0.000054701	2.30E-04	2.07E-05	4.56E-05	1.69E-04	1.48E-05	5.17E-06	2.96E-05	3.53E-06	4.70E-06	1.55E-05	1.07E-06
8586	470947.48	3819719.91	0.000054624	2.29E-04	2.07E-05	4.55E-05	1.69E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
8587	470943.75	3819728.66	0.000054528	2.29E-04	2.06E-05	4.54E-05	1.68E-04	1.48E-05	5.15E-06	2.95E-05	3.52E-06	4.68E-06	1.54E-05	1.06E-06
8588	470940.03	3819737.4	0.000054422	2.29E-04	2.06E-05	4.53E-05	1.68E-04	1.48E-05	5.14E-06	2.94E-05	3.51E-06	4.67E-06	1.54E-05	1.06E-06
8589	470936.3	3819746.15	0.000054297	2.28E-04	2.05E-05	4.52E-05	1.68E-04	1.47E-05	5.13E-06	2.94E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
8590	470932.58	3819754.9	0.000054157	2.27E-04	2.05E-05	4.51E-05	1.67E-04	1.47E-05	5.11E-06	2.93E-05	3.49E-06	4.65E-06	1.53E-05	1.06E-06
8591	470928.85	3819763.64	0.000054008	2.27E-04	2.04E-05	4.50E-05	1.67E-04	1.47E-05	5.10E-06	2.92E-05	3.48E-06	4.64E-06	1.53E-05	1.05E-06
8592	470925.13	3819772.39	0.000053845	2.26E-04	2.04E-05	4.49E-05	1.66E-04	1.46E-05	5.08E-06	2.91E-05	3.47E-06	4.62E-06	1.52E-05	1.05E-06
8593	470921.4	3819781.14	0.000053671	2.25E-04	2.03E-05	4.47E-05	1.66E-04	1.46E-05	5.07E-06	2.90E-05	3.46E-06	4.61E-06	1.52E-05	1.05E-06
8594	470917.68	3819789.88	0.000053489	2.25E-04	2.02E-05	4.46E-05	1.65E-04	1.45E-05	5.05E-06	2.89E-05	3.45E-06	4.59E-06	1.51E-05	1.04E-06
8595	470872.98	3819894.84	0.000050775	2.13E-04	1.92E-05	4.23E-05	1.57E-04	1.38E-05	4.79E-06	2.74E-05	3.28E-06	4.36E-06	1.44E-05	9.91E-07
8596	470869.25	3819903.58	0.000050501	2.12E-04	1.91E-05	4.21E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.26E-06	4.34E-06	1.43E-05	9.85E-07

8597	470865.53	3819912.33	0.000050222	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.74E-06	2.72E-05	3.24E-06	4.31E-06	1.42E-05	9.80E-07
8598	470861.8	3819921.08	0.000049934	2.10E-04	1.89E-05	4.16E-05	1.54E-04	1.36E-05	4.72E-06	2.70E-05	3.22E-06	4.29E-06	1.41E-05	9.74E-07
8599	470858.08	3819929.82	0.000049645	2.08E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.69E-06	2.68E-05	3.20E-06	4.26E-06	1.41E-05	9.69E-07
8600	470854.35	3819938.57	0.000049352	2.07E-04	1.87E-05	4.11E-05	1.52E-04	1.34E-05	4.66E-06	2.67E-05	3.18E-06	4.24E-06	1.40E-05	9.63E-07
8601	470850.63	3819947.32	0.000049053	2.06E-04	1.86E-05	4.09E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.57E-07
8602	470846.9	3819956.06	0.000048741	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.60E-06	2.63E-05	3.14E-06	4.18E-06	1.38E-05	9.51E-07
8603	470843.18	3819964.81	0.000048418	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.57E-06	2.62E-05	3.12E-06	4.16E-06	1.37E-05	9.45E-07
8604	470839.45	3819973.56	0.000048086	2.02E-04	1.82E-05	4.01E-05	1.48E-04	1.31E-05	4.54E-06	2.60E-05	3.10E-06	4.13E-06	1.36E-05	9.38E-07
8605	470835.73	3819982.3	0.000047754	2.01E-04	1.81E-05	3.98E-05	1.47E-04	1.30E-05	4.51E-06	2.58E-05	3.08E-06	4.10E-06	1.35E-05	9.32E-07
8606	470832	3819991.05	0.000047413	1.99E-04	1.79E-05	3.95E-05	1.46E-04	1.29E-05	4.48E-06	2.56E-05	3.06E-06	4.07E-06	1.34E-05	9.25E-07
8607	470828.28	3819999.8	0.000047076	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.45E-06	2.54E-05	3.04E-06	4.04E-06	1.33E-05	9.19E-07
8608	470815.73	3820012.07	0.00004711	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.04E-06	1.33E-05	9.19E-07
8609	470806.9	3820015.6	0.000047485	1.99E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.48E-06	2.57E-05	3.06E-06	4.08E-06	1.34E-05	9.27E-07
8610	470798.07	3820019.12	0.000047855	2.01E-04	1.81E-05	3.99E-05	1.48E-04	1.30E-05	4.52E-06	2.59E-05	3.09E-06	4.11E-06	1.35E-05	9.34E-07
8611	470789.24	3820022.65	0.00004824	2.03E-04	1.82E-05	4.02E-05	1.49E-04	1.31E-05	4.56E-06	2.61E-05	3.11E-06	4.14E-06	1.37E-05	9.41E-07
8612	470780.42	3820026.18	0.00004862	2.04E-04	1.84E-05	4.05E-05	1.50E-04	1.32E-05	4.59E-06	2.63E-05	3.14E-06	4.17E-06	1.38E-05	9.49E-07
8613	470771.59	3820029.7	0.000049	2.06E-04	1.85E-05	4.08E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.56E-07
8614	470762.76	3820033.23	0.000049371	2.07E-04	1.87E-05	4.11E-05	1.52E-04	1.34E-05	4.66E-06	2.67E-05	3.18E-06	4.24E-06	1.40E-05	9.63E-07
8615	470753.93	3820036.76	0.000049746	2.09E-04	1.88E-05	4.14E-05	1.54E-04	1.35E-05	4.70E-06	2.69E-05	3.21E-06	4.27E-06	1.41E-05	9.71E-07
8616	470745.1	3820040.29	0.000050121	2.10E-04	1.90E-05	4.17E-05	1.55E-04	1.36E-05	4.73E-06	2.71E-05	3.23E-06	4.30E-06	1.42E-05	9.78E-07
8617	470665.65	3820072.03	0.00005409	2.27E-04	2.05E-05	4.51E-05	1.67E-04	1.47E-05	5.11E-06	2.92E-05	3.49E-06	4.64E-06	1.53E-05	1.06E-06
8618	470656.82	3820075.56	0.000054614	2.29E-04	2.07E-05	4.55E-05	1.69E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
8619	470648	3820079.09	0.000055163	2.32E-04	2.09E-05	4.59E-05	1.70E-04	1.50E-05	5.21E-06	2.98E-05	3.56E-06	4.74E-06	1.56E-05	1.08E-06
8620	470639.17	3820082.61	0.000055745	2.34E-04	2.11E-05	4.64E-05	1.72E-04	1.51E-05	5.26E-06	3.01E-05	3.60E-06	4.79E-06	1.58E-05	1.09E-06
8621	470630.34	3820086.14	0.000056346	2.37E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.32E-06	3.05E-05	3.63E-06	4.84E-06	1.59E-05	1.10E-06
8622	470621.51	3820089.67	0.000056972	2.39E-04	2.15E-05	4.75E-05	1.76E-04	1.55E-05	5.38E-06	3.08E-05	3.67E-06	4.89E-06	1.61E-05	1.11E-06
8623	470612.68	3820093.19	0.000057626	2.42E-04	2.18E-05	4.80E-05	1.78E-04	1.56E-05	5.44E-06	3.12E-05	3.72E-06	4.95E-06	1.63E-05	1.12E-06
8624	470603.86	3820096.72	0.000058304	2.45E-04	2.21E-05	4.86E-05	1.80E-04	1.58E-05	5.51E-06	3.15E-05	3.76E-06	5.01E-06	1.65E-05	1.14E-06
8625	470595.03	3820100.25	0.000059011	2.48E-04	2.23E-05	4.92E-05	1.82E-04	1.60E-05	5.57E-06	3.19E-05	3.81E-06	5.07E-06	1.67E-05	1.15E-06
8626	470586.2	3820103.78	0.000059733	2.51E-04	2.26E-05	4.98E-05	1.84E-04	1.62E-05	5.64E-06	3.23E-05	3.85E-06	5.13E-06	1.69E-05	1.17E-06
8627	470577.37	3820107.3	0.000060478	2.54E-04	2.29E-05	5.04E-05	1.87E-04	1.64E-05	5.71E-06	3.27E-05	3.90E-06	5.19E-06	1.71E-05	1.18E-06
8628	470568.54	3820110.83	0.000061238	2.57E-04	2.32E-05	5.10E-05	1.89E-04	1.66E-05	5.78E-06	3.31E-05	3.95E-06	5.26E-06	1.73E-05	1.19E-06
8629	470559.72	3820114.36	0.000062013	2.60E-04	2.35E-05	5.17E-05	1.91E-04	1.68E-05	5.86E-06	3.35E-05	4.00E-06	5.32E-06	1.76E-05	1.21E-06
8630	470550.89	3820117.88	0.000062797	2.64E-04	2.37E-05	5.23E-05	1.94E-04	1.70E-05	5.93E-06	3.39E-05	4.05E-06	5.39E-06	1.78E-05	1.23E-06
8631	470542.06	3820121.41	0.000063586	2.67E-04	2.40E-05	5.30E-05	1.96E-04	1.73E-05	6.00E-06	3.44E-05	4.10E-06	5.46E-06	1.80E-05	1.24E-06
8632	470533.23	3820124.94	0.000064389	2.70E-04	2.44E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
8633	470524.4	3820128.47	0.000065188	2.74E-04	2.47E-05	5.43E-05	2.01E-04	1.77E-05	6.16E-06	3.52E-05	4.20E-06	5.60E-06	1.85E-05	1.27E-06
8634	470515.58	3820131.99	0.000065977	2.77E-04	2.50E-05	5.50E-05	2.04E-04	1.79E-05	6.23E-06	3.57E-05	4.26E-06	5.66E-06	1.87E-05	1.29E-06
8635	470506.75	3820135.52	0.000066761	2.80E-04	2.52E-05	5.56E-05	2.06E-04	1.81E-05	6.30E-06	3.61E-05	4.31E-06	5.73E-06	1.89E-05	1.30E-06
8636	470497.92	3820139.05	0.000067531	2.84E-04	2.55E-05	5.62E-05	2.08E-04	1.83E-05	6.38E-06	3.65E-05	4.36E-06	5.80E-06	1.91E-05	1.32E-06
8637	470489.09	3820142.57	0.000068281	2.87E-04	2.58E-05	5.69E-05	2.11E-04	1.85E-05	6.45E-06	3.69E-05	4.40E-06	5.86E-06	1.93E-05	1.33E-06
8638	470480.26	3820146.1	0.000069012	2.90E-04	2.61E-05	5.75E-05	2.13E-04	1.87E-05	6.52E-06	3.73E-05	4.45E-06	5.92E-06	1.95E-05	1.35E-06
8639	470471.44	3820149.63	0.000069719	2.93E-04	2.64E-05	5.81E-05	2.15E-04	1.89E-05	6.58E-06	3.77E-05	4.50E-06	5.99E-06	1.97E-05	1.36E-06

8640	470462.61	3820153.16	0.000070403	2.96E-04	2.66E-05	5.86E-05	2.17E-04	1.91E-05	6.65E-06	3.81E-05	4.54E-06	6.04E-06	1.99E-05	1.37E-06
8641	470453.78	3820156.68	0.000071062	2.98E-04	2.69E-05	5.92E-05	2.19E-04	1.93E-05	6.71E-06	3.84E-05	4.58E-06	6.10E-06	2.01E-05	1.39E-06
8642	470444.95	3820160.21	0.000071682	3.01E-04	2.71E-05	5.97E-05	2.21E-04	1.95E-05	6.77E-06	3.88E-05	4.62E-06	6.15E-06	2.03E-05	1.40E-06
8643	470436.12	3820163.74	0.000072279	3.04E-04	2.73E-05	6.02E-05	2.23E-04	1.96E-05	6.83E-06	3.91E-05	4.66E-06	6.20E-06	2.05E-05	1.41E-06
8644	470427.3	3820167.27	0.000072837	3.06E-04	2.75E-05	6.07E-05	2.25E-04	1.98E-05	6.88E-06	3.94E-05	4.70E-06	6.25E-06	2.06E-05	1.42E-06
8645	470418.47	3820170.79	0.000073366	3.08E-04	2.77E-05	6.11E-05	2.26E-04	1.99E-05	6.93E-06	3.97E-05	4.73E-06	6.30E-06	2.08E-05	1.43E-06
8646	470409.64	3820174.32	0.000073866	3.10E-04	2.79E-05	6.15E-05	2.28E-04	2.01E-05	6.98E-06	3.99E-05	4.76E-06	6.34E-06	2.09E-05	1.44E-06
8647	470400.81	3820177.85	0.000074333	3.12E-04	2.81E-05	6.19E-05	2.29E-04	2.02E-05	7.02E-06	4.02E-05	4.79E-06	6.38E-06	2.10E-05	1.45E-06
8648	470391.98	3820181.37	0.000074771	3.14E-04	2.83E-05	6.23E-05	2.31E-04	2.03E-05	7.06E-06	4.04E-05	4.82E-06	6.42E-06	2.12E-05	1.46E-06
8649	470383.16	3820184.9	0.000075184	3.16E-04	2.84E-05	6.26E-05	2.32E-04	2.04E-05	7.10E-06	4.06E-05	4.85E-06	6.45E-06	2.13E-05	1.47E-06
8650	470374.33	3820188.43	0.000075569	3.17E-04	2.86E-05	6.29E-05	2.33E-04	2.05E-05	7.14E-06	4.09E-05	4.87E-06	6.49E-06	2.14E-05	1.47E-06
8651	470365.5	3820191.96	0.00007593	3.19E-04	2.87E-05	6.32E-05	2.34E-04	2.06E-05	7.17E-06	4.10E-05	4.90E-06	6.52E-06	2.15E-05	1.48E-06
8652	470356.67	3820195.48	0.000076271	3.20E-04	2.88E-05	6.35E-05	2.35E-04	2.07E-05	7.20E-06	4.12E-05	4.92E-06	6.55E-06	2.16E-05	1.49E-06
8653	470347.84	3820199.01	0.000076603	3.22E-04	2.90E-05	6.38E-05	2.36E-04	2.08E-05	7.23E-06	4.14E-05	4.94E-06	6.58E-06	2.17E-05	1.49E-06
8654	470339.02	3820202.54	0.000076935	3.23E-04	2.91E-05	6.41E-05	2.37E-04	2.09E-05	7.27E-06	4.16E-05	4.96E-06	6.60E-06	2.18E-05	1.50E-06
8655	470330.19	3820206.06	0.000077267	3.24E-04	2.92E-05	6.44E-05	2.38E-04	2.10E-05	7.30E-06	4.18E-05	4.98E-06	6.63E-06	2.19E-05	1.51E-06
8656	470321.36	3820209.59	0.000077599	3.26E-04	2.93E-05	6.46E-05	2.39E-04	2.11E-05	7.33E-06	4.20E-05	5.01E-06	6.66E-06	2.20E-05	1.51E-06
8657	470312.53	3820213.12	0.000077893	3.27E-04	2.95E-05	6.49E-05	2.40E-04	2.11E-05	7.36E-06	4.21E-05	5.02E-06	6.69E-06	2.20E-05	1.52E-06
8658	470303.7	3820216.65	0.000078172	3.28E-04	2.96E-05	6.51E-05	2.41E-04	2.12E-05	7.38E-06	4.23E-05	5.04E-06	6.71E-06	2.21E-05	1.53E-06
8659	470294.88	3820220.17	0.000078446	3.29E-04	2.97E-05	6.53E-05	2.42E-04	2.13E-05	7.41E-06	4.24E-05	5.06E-06	6.73E-06	2.22E-05	1.53E-06
8660	470286.05	3820223.7	0.000078739	3.31E-04	2.98E-05	6.56E-05	2.43E-04	2.14E-05	7.44E-06	4.26E-05	5.08E-06	6.76E-06	2.23E-05	1.54E-06
8661	470277.22	3820227.23	0.000079023	3.32E-04	2.99E-05	6.58E-05	2.44E-04	2.15E-05	7.46E-06	4.27E-05	5.10E-06	6.78E-06	2.24E-05	1.54E-06
8662	471059.22	3819457.52	0.000047629	2.00E-04	1.80E-05	3.97E-05	1.47E-04	1.29E-05	4.50E-06	2.57E-05	3.07E-06	4.09E-06	1.35E-05	9.29E-07
8663	471059.3	3819447.87	0.000047509	2.00E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.49E-06	2.57E-05	3.06E-06	4.08E-06	1.34E-05	9.27E-07
8664	471059.39	3819438.22	0.00004736	1.99E-04	1.79E-05	3.94E-05	1.46E-04	1.29E-05	4.47E-06	2.56E-05	3.05E-06	4.07E-06	1.34E-05	9.24E-07
8665	471059.47	3819428.57	0.000047196	1.98E-04	1.78E-05	3.93E-05	1.46E-04	1.28E-05	4.46E-06	2.55E-05	3.04E-06	4.05E-06	1.34E-05	9.21E-07
8666	471059.55	3819418.93	0.000046999	1.97E-04	1.78E-05	3.91E-05	1.45E-04	1.28E-05	4.44E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.17E-07
8667	471059.63	3819409.28	0.000046773	1.96E-04	1.77E-05	3.90E-05	1.44E-04	1.27E-05	4.42E-06	2.53E-05	3.02E-06	4.02E-06	1.32E-05	9.13E-07
8668	471059.72	3819399.63	0.000046518	1.95E-04	1.76E-05	3.87E-05	1.44E-04	1.26E-05	4.39E-06	2.51E-05	3.00E-06	3.99E-06	1.32E-05	9.08E-07
8669	471059.8	3819389.98	0.000046239	1.94E-04	1.75E-05	3.85E-05	1.43E-04	1.26E-05	4.37E-06	2.50E-05	2.98E-06	3.97E-06	1.31E-05	9.02E-07
8670	471059.88	3819380.33	0.000045926	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.34E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.96E-07
8671	471059.97	3819370.68	0.000045585	1.91E-04	1.72E-05	3.80E-05	1.41E-04	1.24E-05	4.30E-06	2.46E-05	2.94E-06	3.91E-06	1.29E-05	8.89E-07
8672	471060.05	3819361.04	0.000045214	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.27E-06	2.44E-05	2.92E-06	3.88E-06	1.28E-05	8.82E-07
8673	471060.13	3819351.39	0.00004481	1.88E-04	1.69E-05	3.73E-05	1.38E-04	1.22E-05	4.23E-06	2.42E-05	2.89E-06	3.85E-06	1.27E-05	8.74E-07
8674	471060.21	3819341.74	0.000044382	1.86E-04	1.68E-05	3.70E-05	1.37E-04	1.20E-05	4.19E-06	2.40E-05	2.86E-06	3.81E-06	1.26E-05	8.66E-07
8675	471060.3	3819332.09	0.000043916	1.84E-04	1.66E-05	3.66E-05	1.36E-04	1.19E-05	4.15E-06	2.37E-05	2.83E-06	3.77E-06	1.24E-05	8.57E-07
8676	471060.38	3819322.44	0.000043425	1.82E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.47E-07
8677	471060.46	3819312.8	0.000042901	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.77E-06	3.68E-06	1.21E-05	8.37E-07
8678	471060.54	3819303.15	0.000042343	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.64E-06	1.20E-05	8.26E-07
8679	471060.63	3819293.5	0.000041756	1.75E-04	1.58E-05	3.48E-05	1.29E-04	1.13E-05	3.94E-06	2.26E-05	2.69E-06	3.58E-06	1.18E-05	8.15E-07
8680	471060.71	3819283.85	0.000041145	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.03E-07
8681	471060.79	3819274.2	0.000040515	1.70E-04	1.53E-05	3.37E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.61E-06	3.48E-06	1.15E-05	7.91E-07
8682	471060.88	3819264.55	0.000039856	1.67E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.78E-07

8683	471060.96	3819254.91	0.000039177	1.65E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.36E-06	1.11E-05	7.64E-07
8684	471135.47	3819467.01	0.000039961	1.68E-04	1.51E-05	3.33E-05	1.23E-04	1.08E-05	3.77E-06	2.16E-05	2.58E-06	3.43E-06	1.13E-05	7.80E-07
8685	471131.72	3819475.81	0.000040356	1.69E-04	1.53E-05	3.36E-05	1.25E-04	1.10E-05	3.81E-06	2.18E-05	2.60E-06	3.46E-06	1.14E-05	7.87E-07
8686	471127.97	3819484.62	0.000040741	1.71E-04	1.54E-05	3.39E-05	1.26E-04	1.11E-05	3.85E-06	2.20E-05	2.63E-06	3.50E-06	1.15E-05	7.95E-07
8687	471124.22	3819493.42	0.000041116	1.73E-04	1.56E-05	3.42E-05	1.27E-04	1.12E-05	3.88E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.02E-07
8688	471120.47	3819502.23	0.000041481	1.74E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.92E-06	2.24E-05	2.68E-06	3.56E-06	1.17E-05	8.09E-07
8689	471116.72	3819511.03	0.000041833	1.76E-04	1.58E-05	3.48E-05	1.29E-04	1.14E-05	3.95E-06	2.26E-05	2.70E-06	3.59E-06	1.18E-05	8.16E-07
8690	471112.97	3819519.84	0.000042179	1.77E-04	1.60E-05	3.51E-05	1.30E-04	1.15E-05	3.98E-06	2.28E-05	2.72E-06	3.62E-06	1.19E-05	8.23E-07
8691	471109.22	3819528.64	0.000042511	1.79E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.01E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.29E-07
8692	471105.47	3819537.45	0.000042828	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.04E-06	2.32E-05	2.76E-06	3.68E-06	1.21E-05	8.36E-07
8693	471101.72	3819546.25	0.000043141	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.42E-07
8694	471097.97	3819555.06	0.000043435	1.82E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.48E-07
8695	471094.22	3819563.86	0.000043718	1.84E-04	1.65E-05	3.64E-05	1.35E-04	1.19E-05	4.13E-06	2.36E-05	2.82E-06	3.75E-06	1.24E-05	8.53E-07
8696	471090.47	3819572.67	0.000043993	1.85E-04	1.66E-05	3.66E-05	1.36E-04	1.19E-05	4.15E-06	2.38E-05	2.84E-06	3.78E-06	1.25E-05	8.58E-07
8697	471086.72	3819581.47	0.000044248	1.86E-04	1.67E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.39E-05	2.85E-06	3.80E-06	1.25E-05	8.63E-07
8698	471082.97	3819590.28	0.000044493	1.87E-04	1.68E-05	3.71E-05	1.37E-04	1.21E-05	4.20E-06	2.41E-05	2.87E-06	3.82E-06	1.26E-05	8.68E-07
8699	471079.22	3819599.08	0.000044719	1.88E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.22E-06	2.42E-05	2.88E-06	3.84E-06	1.27E-05	8.73E-07
8700	471075.47	3819607.89	0.000044935	1.89E-04	1.70E-05	3.74E-05	1.39E-04	1.22E-05	4.24E-06	2.43E-05	2.90E-06	3.86E-06	1.27E-05	8.77E-07
8701	471071.72	3819616.69	0.000045133	1.90E-04	1.71E-05	3.76E-05	1.39E-04	1.23E-05	4.26E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.81E-07
8702	471067.97	3819625.5	0.000045316	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.92E-06	3.89E-06	1.28E-05	8.84E-07
8703	471064.22	3819634.3	0.000045484	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.23E-05	4.30E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.88E-07
8704	471060.47	3819643.11	0.000045633	1.92E-04	1.73E-05	3.80E-05	1.41E-04	1.24E-05	4.31E-06	2.47E-05	2.94E-06	3.92E-06	1.29E-05	8.90E-07
8705	471056.72	3819651.91	0.000045763	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.32E-06	2.47E-05	2.95E-06	3.93E-06	1.30E-05	8.93E-07
8706	471052.97	3819660.72	0.000045878	1.93E-04	1.74E-05	3.82E-05	1.42E-04	1.25E-05	4.33E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.95E-07
8707	471049.22	3819669.52	0.000045975	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.34E-06	2.49E-05	2.97E-06	3.95E-06	1.30E-05	8.97E-07
8708	471045.47	3819678.33	0.000046056	1.93E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.95E-06	1.30E-05	8.99E-07
8709	471041.72	3819687.13	0.000046119	1.94E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.36E-06	2.49E-05	2.97E-06	3.96E-06	1.31E-05	9.00E-07
8710	471015.48	3819748.77	0.0000461	1.94E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.96E-06	1.30E-05	9.00E-07
8711	471011.73	3819757.57	0.000046037	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.95E-06	1.30E-05	8.98E-07
8712	471007.98	3819766.38	0.000045965	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.34E-06	2.48E-05	2.96E-06	3.95E-06	1.30E-05	8.97E-07
8713	471004.23	3819775.18	0.000045878	1.93E-04	1.74E-05	3.82E-05	1.42E-04	1.25E-05	4.33E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.95E-07
8714	471000.48	3819783.99	0.000045782	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.32E-06	2.47E-05	2.95E-06	3.93E-06	1.30E-05	8.93E-07
8715	470996.73	3819792.79	0.000045676	1.92E-04	1.73E-05	3.80E-05	1.41E-04	1.24E-05	4.31E-06	2.47E-05	2.95E-06	3.92E-06	1.29E-05	8.91E-07
8716	470992.98	3819801.6	0.000045566	1.91E-04	1.72E-05	3.80E-05	1.41E-04	1.24E-05	4.30E-06	2.46E-05	2.94E-06	3.91E-06	1.29E-05	8.89E-07
8717	470989.23	3819810.4	0.000045445	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.23E-05	4.29E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.87E-07
8718	470985.48	3819819.21	0.000045316	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.92E-06	3.89E-06	1.28E-05	8.84E-07
8719	470981.73	3819828.01	0.000045181	1.90E-04	1.71E-05	3.76E-05	1.39E-04	1.23E-05	4.27E-06	2.44E-05	2.91E-06	3.88E-06	1.28E-05	8.82E-07
8720	470977.98	3819836.82	0.000045041	1.89E-04	1.70E-05	3.75E-05	1.39E-04	1.22E-05	4.25E-06	2.43E-05	2.91E-06	3.87E-06	1.27E-05	8.79E-07
8721	470974.23	3819845.62	0.000044892	1.89E-04	1.70E-05	3.74E-05	1.39E-04	1.22E-05	4.24E-06	2.43E-05	2.90E-06	3.85E-06	1.27E-05	8.76E-07
8722	470970.48	3819854.42	0.000044743	1.88E-04	1.69E-05	3.73E-05	1.38E-04	1.21E-05	4.23E-06	2.42E-05	2.89E-06	3.84E-06	1.27E-05	8.73E-07
8723	470966.73	3819863.23	0.000044584	1.87E-04	1.69E-05	3.71E-05	1.38E-04	1.21E-05	4.21E-06	2.41E-05	2.88E-06	3.83E-06	1.26E-05	8.70E-07
8724	470962.98	3819872.03	0.000044426	1.87E-04	1.68E-05	3.70E-05	1.37E-04	1.21E-05	4.20E-06	2.40E-05	2.87E-06	3.81E-06	1.26E-05	8.67E-07
8725	470959.23	3819880.84	0.000044262	1.86E-04	1.67E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.39E-05	2.85E-06	3.80E-06	1.25E-05	8.64E-07

8726	470955.48	3819889.64	0.000044098	1.85E-04	1.67E-05	3.67E-05	1.36E-04	1.20E-05	4.16E-06	2.38E-05	2.84E-06	3.79E-06	1.25E-05	8.61E-07
8727	470951.73	3819898.45	0.000043925	1.84E-04	1.66E-05	3.66E-05	1.36E-04	1.19E-05	4.15E-06	2.37E-05	2.83E-06	3.77E-06	1.24E-05	8.57E-07
8728	470947.98	3819907.25	0.000043747	1.84E-04	1.65E-05	3.64E-05	1.35E-04	1.19E-05	4.13E-06	2.37E-05	2.82E-06	3.76E-06	1.24E-05	8.54E-07
8729	470944.23	3819916.06	0.000043564	1.83E-04	1.65E-05	3.63E-05	1.34E-04	1.18E-05	4.11E-06	2.36E-05	2.81E-06	3.74E-06	1.23E-05	8.50E-07
8730	470940.48	3819924.86	0.000043382	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.72E-06	1.23E-05	8.47E-07
8731	470936.73	3819933.67	0.000043194	1.81E-04	1.63E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.43E-07
8732	470921.73	3819968.89	0.000042405	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.74E-06	3.64E-06	1.20E-05	8.27E-07
8733	470917.98	3819977.69	0.000042193	1.77E-04	1.60E-05	3.51E-05	1.30E-04	1.15E-05	3.98E-06	2.28E-05	2.72E-06	3.62E-06	1.19E-05	8.23E-07
8734	470914.23	3819986.5	0.000041972	1.76E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.96E-06	2.27E-05	2.71E-06	3.60E-06	1.19E-05	8.19E-07
8735	470910.48	3819995.3	0.000041741	1.75E-04	1.58E-05	3.48E-05	1.29E-04	1.13E-05	3.94E-06	2.26E-05	2.69E-06	3.58E-06	1.18E-05	8.14E-07
8736	470906.73	3820004.11	0.000041506	1.74E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.92E-06	2.24E-05	2.68E-06	3.56E-06	1.17E-05	8.10E-07
8737	470902.98	3820012.91	0.00004127	1.73E-04	1.56E-05	3.44E-05	1.27E-04	1.12E-05	3.90E-06	2.23E-05	2.66E-06	3.54E-06	1.17E-05	8.05E-07
8738	470899.23	3820021.72	0.000041029	1.72E-04	1.55E-05	3.42E-05	1.27E-04	1.11E-05	3.87E-06	2.22E-05	2.65E-06	3.52E-06	1.16E-05	8.01E-07
8739	470895.48	3820030.52	0.000040789	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.21E-05	2.63E-06	3.50E-06	1.15E-05	7.96E-07
8740	470891.73	3820039.33	0.000040534	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.61E-06	3.48E-06	1.15E-05	7.91E-07
8741	470887.98	3820048.13	0.000040274	1.69E-04	1.52E-05	3.35E-05	1.24E-04	1.09E-05	3.80E-06	2.18E-05	2.60E-06	3.46E-06	1.14E-05	7.86E-07
8742	470884.23	3820056.94	0.000040009	1.68E-04	1.51E-05	3.33E-05	1.23E-04	1.09E-05	3.78E-06	2.16E-05	2.58E-06	3.43E-06	1.13E-05	7.81E-07
8743	470871.6	3820069.29	0.000040048	1.68E-04	1.51E-05	3.34E-05	1.24E-04	1.09E-05	3.78E-06	2.16E-05	2.58E-06	3.44E-06	1.13E-05	7.81E-07
8744	470862.71	3820072.84	0.000040346	1.69E-04	1.53E-05	3.36E-05	1.25E-04	1.10E-05	3.81E-06	2.18E-05	2.60E-06	3.46E-06	1.14E-05	7.87E-07
8745	470853.82	3820076.4	0.00004063	1.71E-04	1.54E-05	3.38E-05	1.25E-04	1.10E-05	3.84E-06	2.20E-05	2.62E-06	3.49E-06	1.15E-05	7.93E-07
8746	470844.94	3820079.95	0.000040909	1.72E-04	1.55E-05	3.41E-05	1.26E-04	1.11E-05	3.86E-06	2.21E-05	2.64E-06	3.51E-06	1.16E-05	7.98E-07
8747	470836.05	3820083.5	0.000041183	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.23E-05	2.66E-06	3.54E-06	1.17E-05	8.04E-07
8748	470827.16	3820087.05	0.000041467	1.74E-04	1.57E-05	3.45E-05	1.28E-04	1.13E-05	3.92E-06	2.24E-05	2.67E-06	3.56E-06	1.17E-05	8.09E-07
8749	470818.27	3820090.6	0.000041756	1.75E-04	1.58E-05	3.48E-05	1.29E-04	1.13E-05	3.94E-06	2.26E-05	2.69E-06	3.58E-06	1.18E-05	8.15E-07
8750	470809.39	3820094.15	0.00004204	1.77E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.97E-06	2.27E-05	2.71E-06	3.61E-06	1.19E-05	8.20E-07
8751	470800.5	3820097.7	0.000042323	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.63E-06	1.20E-05	8.26E-07
8752	470791.61	3820101.25	0.000042626	1.79E-04	1.61E-05	3.55E-05	1.32E-04	1.16E-05	4.03E-06	2.30E-05	2.75E-06	3.66E-06	1.21E-05	8.32E-07
8753	470782.73	3820104.8	0.000042929	1.80E-04	1.62E-05	3.58E-05	1.32E-04	1.17E-05	4.05E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.38E-07
8754	470773.84	3820108.35	0.000043237	1.82E-04	1.64E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.44E-07
8755	470764.95	3820111.9	0.00004355	1.83E-04	1.65E-05	3.63E-05	1.34E-04	1.18E-05	4.11E-06	2.35E-05	2.81E-06	3.74E-06	1.23E-05	8.50E-07
8756	470684.97	3820143.86	0.000046884	1.97E-04	1.77E-05	3.91E-05	1.45E-04	1.27E-05	4.43E-06	2.53E-05	3.02E-06	4.02E-06	1.33E-05	9.15E-07
8757	470676.08	3820147.41	0.000047336	1.99E-04	1.79E-05	3.94E-05	1.46E-04	1.28E-05	4.47E-06	2.56E-05	3.05E-06	4.06E-06	1.34E-05	9.24E-07
8758	470667.2	3820150.96	0.000047822	2.01E-04	1.81E-05	3.98E-05	1.48E-04	1.30E-05	4.52E-06	2.59E-05	3.08E-06	4.11E-06	1.35E-05	9.33E-07
8759	470658.31	3820154.51	0.000048337	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.56E-06	2.61E-05	3.12E-06	4.15E-06	1.37E-05	9.43E-07
8760	470649.42	3820158.06	0.00004888	2.05E-04	1.85E-05	4.07E-05	1.51E-04	1.33E-05	4.62E-06	2.64E-05	3.15E-06	4.20E-06	1.38E-05	9.54E-07
8761	470640.53	3820161.61	0.000049419	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.67E-05	3.19E-06	4.24E-06	1.40E-05	9.64E-07
8762	470631.65	3820165.16	0.000049982	2.10E-04	1.89E-05	4.16E-05	1.54E-04	1.36E-05	4.72E-06	2.70E-05	3.22E-06	4.29E-06	1.41E-05	9.75E-07
8763	470622.76	3820168.72	0.000050564	2.12E-04	1.91E-05	4.21E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.26E-06	4.34E-06	1.43E-05	9.87E-07
8764	470613.87	3820172.27	0.00005116	2.15E-04	1.93E-05	4.26E-05	1.58E-04	1.39E-05	4.83E-06	2.77E-05	3.30E-06	4.39E-06	1.45E-05	9.98E-07
8765	470604.99	3820175.82	0.000051771	2.17E-04	1.96E-05	4.31E-05	1.60E-04	1.41E-05	4.89E-06	2.80E-05	3.34E-06	4.44E-06	1.47E-05	1.01E-06
8766	470596.1	3820179.37	0.000052397	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.95E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
8767	470587.21	3820182.92	0.000053036	2.23E-04	2.01E-05	4.42E-05	1.64E-04	1.44E-05	5.01E-06	2.87E-05	3.42E-06	4.55E-06	1.50E-05	1.03E-06
8768	470578.32	3820186.47	0.000053681	2.25E-04	2.03E-05	4.47E-05	1.66E-04	1.46E-05	5.07E-06	2.90E-05	3.46E-06	4.61E-06	1.52E-05	1.05E-06

8769	470569.44	3820190.02	0.000054335	2.28E-04	2.05E-05	4.53E-05	1.68E-04	1.47E-05	5.13E-06	2.94E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
8770	470560.55	3820193.57	0.000054999	2.31E-04	2.08E-05	4.58E-05	1.70E-04	1.49E-05	5.19E-06	2.97E-05	3.55E-06	4.72E-06	1.56E-05	1.07E-06
8771	470551.66	3820197.12	0.000055663	2.34E-04	2.11E-05	4.64E-05	1.72E-04	1.51E-05	5.26E-06	3.01E-05	3.59E-06	4.78E-06	1.58E-05	1.09E-06
8772	470542.78	3820200.67	0.000056322	2.37E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.32E-06	3.04E-05	3.63E-06	4.84E-06	1.59E-05	1.10E-06
8773	470533.89	3820204.22	0.000056972	2.39E-04	2.15E-05	4.75E-05	1.76E-04	1.55E-05	5.38E-06	3.08E-05	3.67E-06	4.89E-06	1.61E-05	1.11E-06
8774	470525	3820207.77	0.000057611	2.42E-04	2.18E-05	4.80E-05	1.78E-04	1.56E-05	5.44E-06	3.11E-05	3.72E-06	4.95E-06	1.63E-05	1.12E-06
8775	470516.12	3820211.32	0.000058237	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
8776	470507.23	3820214.88	0.000058848	2.47E-04	2.23E-05	4.90E-05	1.82E-04	1.60E-05	5.56E-06	3.18E-05	3.80E-06	5.05E-06	1.67E-05	1.15E-06
8777	470498.34	3820218.43	0.00005943	2.50E-04	2.25E-05	4.95E-05	1.83E-04	1.61E-05	5.61E-06	3.21E-05	3.83E-06	5.10E-06	1.68E-05	1.16E-06
8778	470489.45	3820221.98	0.000059988	2.52E-04	2.27E-05	5.00E-05	1.85E-04	1.63E-05	5.66E-06	3.24E-05	3.87E-06	5.15E-06	1.70E-05	1.17E-06
8779	470480.57	3820225.53	0.000060527	2.54E-04	2.29E-05	5.04E-05	1.87E-04	1.64E-05	5.72E-06	3.27E-05	3.90E-06	5.20E-06	1.71E-05	1.18E-06
8780	470471.68	3820229.08	0.000061036	2.56E-04	2.31E-05	5.08E-05	1.88E-04	1.66E-05	5.76E-06	3.30E-05	3.94E-06	5.24E-06	1.73E-05	1.19E-06
8781	470462.79	3820232.63	0.000061522	2.58E-04	2.33E-05	5.12E-05	1.90E-04	1.67E-05	5.81E-06	3.33E-05	3.97E-06	5.28E-06	1.74E-05	1.20E-06
8782	470453.91	3820236.18	0.000061979	2.60E-04	2.34E-05	5.16E-05	1.91E-04	1.68E-05	5.85E-06	3.35E-05	4.00E-06	5.32E-06	1.75E-05	1.21E-06
8783	470445.02	3820239.73	0.000062412	2.62E-04	2.36E-05	5.20E-05	1.93E-04	1.69E-05	5.89E-06	3.37E-05	4.03E-06	5.36E-06	1.77E-05	1.22E-06
8784	470436.13	3820243.28	0.000062816	2.64E-04	2.38E-05	5.23E-05	1.94E-04	1.71E-05	5.93E-06	3.40E-05	4.05E-06	5.39E-06	1.78E-05	1.23E-06
8785	470427.25	3820246.83	0.000063201	2.65E-04	2.39E-05	5.26E-05	1.95E-04	1.72E-05	5.97E-06	3.42E-05	4.08E-06	5.43E-06	1.79E-05	1.23E-06
8786	470418.36	3820250.38	0.000063557	2.67E-04	2.40E-05	5.29E-05	1.96E-04	1.73E-05	6.00E-06	3.44E-05	4.10E-06	5.46E-06	1.80E-05	1.24E-06
8787	470409.47	3820253.93	0.000063884	2.68E-04	2.42E-05	5.32E-05	1.97E-04	1.73E-05	6.03E-06	3.45E-05	4.12E-06	5.48E-06	1.81E-05	1.25E-06
8788	470400.58	3820257.48	0.000064197	2.70E-04	2.43E-05	5.35E-05	1.98E-04	1.74E-05	6.06E-06	3.47E-05	4.14E-06	5.51E-06	1.82E-05	1.25E-06
8789	470391.7	3820261.04	0.000064486	2.71E-04	2.44E-05	5.37E-05	1.99E-04	1.75E-05	6.09E-06	3.49E-05	4.16E-06	5.54E-06	1.83E-05	1.26E-06
8790	470382.81	3820264.59	0.00006476	2.72E-04	2.45E-05	5.39E-05	2.00E-04	1.76E-05	6.12E-06	3.50E-05	4.18E-06	5.56E-06	1.83E-05	1.26E-06
8791	470373.92	3820268.14	0.000065015	2.73E-04	2.46E-05	5.42E-05	2.01E-04	1.76E-05	6.14E-06	3.51E-05	4.19E-06	5.58E-06	1.84E-05	1.27E-06
8792	470365.04	3820271.69	0.00006526	2.74E-04	2.47E-05	5.44E-05	2.01E-04	1.77E-05	6.16E-06	3.53E-05	4.21E-06	5.60E-06	1.85E-05	1.27E-06
8793	470356.15	3820275.24	0.000065491	2.75E-04	2.48E-05	5.46E-05	2.02E-04	1.78E-05	6.18E-06	3.54E-05	4.22E-06	5.62E-06	1.85E-05	1.28E-06
8794	470347.26	3820278.79	0.000065736	2.76E-04	2.49E-05	5.48E-05	2.03E-04	1.78E-05	6.21E-06	3.55E-05	4.24E-06	5.64E-06	1.86E-05	1.28E-06
8795	470338.37	3820282.34	0.000065996	2.77E-04	2.50E-05	5.50E-05	2.04E-04	1.79E-05	6.23E-06	3.57E-05	4.26E-06	5.67E-06	1.87E-05	1.29E-06
8796	470329.49	3820285.89	0.000066246	2.78E-04	2.51E-05	5.52E-05	2.04E-04	1.80E-05	6.26E-06	3.58E-05	4.27E-06	5.69E-06	1.88E-05	1.29E-06
8797	470320.6	3820289.44	0.000066477	2.79E-04	2.51E-05	5.54E-05	2.05E-04	1.80E-05	6.28E-06	3.59E-05	4.29E-06	5.71E-06	1.88E-05	1.30E-06
8798	470311.71	3820292.99	0.000066703	2.80E-04	2.52E-05	5.56E-05	2.06E-04	1.81E-05	6.30E-06	3.61E-05	4.30E-06	5.73E-06	1.89E-05	1.30E-06
8799	470302.83	3820296.54	0.000066934	2.81E-04	2.53E-05	5.58E-05	2.07E-04	1.82E-05	6.32E-06	3.62E-05	4.32E-06	5.75E-06	1.89E-05	1.31E-06
8800	470293.94	3820300.09	0.000067175	2.82E-04	2.54E-05	5.60E-05	2.07E-04	1.82E-05	6.34E-06	3.63E-05	4.33E-06	5.77E-06	1.90E-05	1.31E-06
8801	470285.05	3820303.65	0.000067401	2.83E-04	2.55E-05	5.61E-05	2.08E-04	1.83E-05	6.36E-06	3.64E-05	4.35E-06	5.79E-06	1.91E-05	1.32E-06
8802	470276.17	3820307.2	0.000067612	2.84E-04	2.56E-05	5.63E-05	2.09E-04	1.84E-05	6.38E-06	3.66E-05	4.36E-06	5.80E-06	1.91E-05	1.32E-06
8803	471139.22	3819458.2	0.000039552	1.66E-04	1.50E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.72E-07
8804	471139.3	3819448.56	0.000039447	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.54E-06	3.39E-06	1.12E-05	7.70E-07
8805	471139.38	3819438.91	0.000039322	1.65E-04	1.49E-05	3.28E-05	1.21E-04	1.07E-05	3.71E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.67E-07
8806	471139.47	3819429.26	0.000039182	1.65E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.36E-06	1.11E-05	7.65E-07
8807	471139.55	3819419.61	0.000039018	1.64E-04	1.48E-05	3.25E-05	1.20E-04	1.06E-05	3.68E-06	2.11E-05	2.52E-06	3.35E-06	1.10E-05	7.61E-07
8808	471139.63	3819409.96	0.00003884	1.63E-04	1.47E-05	3.24E-05	1.20E-04	1.05E-05	3.67E-06	2.10E-05	2.51E-06	3.33E-06	1.10E-05	7.58E-07
8809	471139.71	3819400.31	0.000038638	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.49E-06	3.32E-06	1.09E-05	7.54E-07
8810	471139.8	3819390.67	0.000038417	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
8811	471139.88	3819381.02	0.000038172	1.60E-04	1.44E-05	3.18E-05	1.18E-04	1.04E-05	3.60E-06	2.06E-05	2.46E-06	3.28E-06	1.08E-05	7.45E-07

8812	471139.96	3819371.37	0.000037907	1.59E-04	1.43E-05	3.16E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.45E-06	3.25E-06	1.07E-05	7.40E-07
8813	471140.05	3819361.72	0.000037619	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.43E-06	3.23E-06	1.06E-05	7.34E-07
8814	471140.13	3819352.07	0.000037311	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.52E-06	2.02E-05	2.41E-06	3.20E-06	1.06E-05	7.28E-07
8815	471140.21	3819342.43	0.000036979	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.49E-06	2.00E-05	2.39E-06	3.17E-06	1.05E-05	7.22E-07
8816	471140.62	3819294.18	0.000034982	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.50E-06	3.30E-06	1.89E-05	2.26E-06	3.00E-06	9.90E-06	6.83E-07
8817	471140.71	3819284.54	0.000034521	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.37E-06	3.26E-06	1.87E-05	2.23E-06	2.96E-06	9.77E-06	6.74E-07
8818	471140.79	3819274.89	0.00003404	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.24E-06	3.21E-06	1.84E-05	2.20E-06	2.92E-06	9.64E-06	6.64E-07
8819	471140.87	3819265.24	0.000033544	1.41E-04	1.27E-05	2.79E-05	1.04E-04	9.11E-06	3.17E-06	1.81E-05	2.16E-06	2.88E-06	9.50E-06	6.55E-07
8820	471140.96	3819255.59	0.000033029	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.97E-06	3.12E-06	1.79E-05	2.13E-06	2.84E-06	9.35E-06	6.44E-07
8821	471141.04	3819245.94	0.0000325	1.36E-04	1.23E-05	2.71E-05	1.00E-04	8.82E-06	3.07E-06	1.76E-05	2.10E-06	2.79E-06	9.20E-06	6.34E-07
8822	471215.44	3819467.74	0.000033674	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.14E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.53E-06	6.57E-07
8823	471211.67	3819476.6	0.000033996	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.23E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.62E-06	6.63E-07
8824	471207.9	3819485.45	0.000034304	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.31E-06	3.24E-06	1.85E-05	2.21E-06	2.94E-06	9.71E-06	6.69E-07
8825	471204.13	3819494.31	0.000034612	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.40E-06	3.27E-06	1.87E-05	2.23E-06	2.97E-06	9.80E-06	6.75E-07
8826	471200.36	3819503.16	0.000034905	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.48E-06	3.30E-06	1.89E-05	2.25E-06	3.00E-06	9.88E-06	6.81E-07
8827	471196.59	3819512.01	0.000035199	1.48E-04	1.33E-05	2.93E-05	1.09E-04	9.56E-06	3.32E-06	1.90E-05	2.27E-06	3.02E-06	9.96E-06	6.87E-07
8828	471192.82	3819520.87	0.000035483	1.49E-04	1.34E-05	2.96E-05	1.09E-04	9.63E-06	3.35E-06	1.92E-05	2.29E-06	3.05E-06	1.00E-05	6.92E-07
8829	471189.05	3819529.72	0.000035757	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.71E-06	3.38E-06	1.93E-05	2.31E-06	3.07E-06	1.01E-05	6.98E-07
8830	471185.28	3819538.58	0.000036026	1.51E-04	1.36E-05	3.00E-05	1.11E-04	9.78E-06	3.40E-06	1.95E-05	2.32E-06	3.09E-06	1.02E-05	7.03E-07
8831	471181.51	3819547.43	0.000036286	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.85E-06	3.43E-06	1.96E-05	2.34E-06	3.12E-06	1.03E-05	7.08E-07
8832	471177.74	3819556.28	0.000036541	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.92E-06	3.45E-06	1.98E-05	2.36E-06	3.14E-06	1.03E-05	7.13E-07
8833	471173.97	3819565.14	0.000036786	1.54E-04	1.39E-05	3.06E-05	1.14E-04	9.99E-06	3.47E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.18E-07
8834	471170.2	3819573.99	0.000037022	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.50E-06	2.00E-05	2.39E-06	3.18E-06	1.05E-05	7.22E-07
8835	471143.8	3819635.97	0.000038422	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
8836	471140.03	3819644.82	0.000038581	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
8837	471136.26	3819653.68	0.000038725	1.63E-04	1.46E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.09E-05	2.50E-06	3.32E-06	1.10E-05	7.56E-07
8838	471132.49	3819662.53	0.00003886	1.63E-04	1.47E-05	3.24E-05	1.20E-04	1.05E-05	3.67E-06	2.10E-05	2.51E-06	3.34E-06	1.10E-05	7.58E-07
8839	471128.72	3819671.39	0.00003898	1.64E-04	1.47E-05	3.25E-05	1.20E-04	1.06E-05	3.68E-06	2.11E-05	2.51E-06	3.35E-06	1.10E-05	7.61E-07
8840	471124.95	3819680.24	0.000039086	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.36E-06	1.11E-05	7.63E-07
8841	471121.18	3819689.1	0.000039182	1.65E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.36E-06	1.11E-05	7.65E-07
8842	471117.41	3819697.95	0.000039264	1.65E-04	1.48E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.66E-07
8843	471113.64	3819706.8	0.000039336	1.65E-04	1.49E-05	3.28E-05	1.21E-04	1.07E-05	3.71E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.68E-07
8844	471109.87	3819715.66	0.000039389	1.65E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.69E-07
8845	471106.09	3819724.51	0.000039437	1.66E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.39E-06	1.12E-05	7.70E-07
8846	471102.32	3819733.37	0.000039466	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.70E-07
8847	471098.55	3819742.22	0.000039485	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.70E-07
8848	471094.78	3819751.07	0.00003949	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.71E-07
8849	471091.01	3819759.93	0.00003948	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.70E-07
8850	471087.24	3819768.78	0.000039461	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.70E-07
8851	471083.47	3819777.64	0.000039432	1.66E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.39E-06	1.12E-05	7.69E-07
8852	471079.7	3819786.49	0.000039394	1.65E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.12E-05	7.69E-07
8853	471075.93	3819795.34	0.000039346	1.65E-04	1.49E-05	3.28E-05	1.21E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.68E-07
8854	471072.16	3819804.2	0.000039288	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.67E-07

8855	471068.39	3819813.05	0.000039221	1.65E-04	1.48E-05	3.27E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.65E-07
8856	471064.62	3819821.91	0.000039144	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.52E-06	3.36E-06	1.11E-05	7.64E-07
8857	471060.85	3819830.76	0.000039062	1.64E-04	1.48E-05	3.25E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.35E-06	1.11E-05	7.62E-07
8858	471057.08	3819839.61	0.000038975	1.64E-04	1.47E-05	3.25E-05	1.20E-04	1.06E-05	3.68E-06	2.11E-05	2.51E-06	3.35E-06	1.10E-05	7.61E-07
8859	471053.3	3819848.47	0.000038884	1.63E-04	1.47E-05	3.24E-05	1.20E-04	1.06E-05	3.67E-06	2.10E-05	2.51E-06	3.34E-06	1.10E-05	7.59E-07
8860	471049.53	3819857.32	0.000038788	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
8861	471045.76	3819866.18	0.000038682	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.50E-06	3.32E-06	1.09E-05	7.55E-07
8862	471041.99	3819875.03	0.000038571	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
8863	471038.22	3819883.88	0.00003846	1.62E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
8864	471034.45	3819892.74	0.000038345	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.62E-06	2.07E-05	2.47E-06	3.29E-06	1.09E-05	7.48E-07
8865	471030.68	3819901.59	0.00003823	1.61E-04	1.45E-05	3.18E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.47E-06	3.28E-06	1.08E-05	7.46E-07
8866	471026.91	3819910.45	0.000038109	1.60E-04	1.44E-05	3.17E-05	1.18E-04	1.03E-05	3.60E-06	2.06E-05	2.46E-06	3.27E-06	1.08E-05	7.44E-07
8867	471023.14	3819919.3	0.000037989	1.60E-04	1.44E-05	3.16E-05	1.17E-04	1.03E-05	3.59E-06	2.05E-05	2.45E-06	3.26E-06	1.08E-05	7.41E-07
8868	471019.37	3819928.15	0.000037864	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.44E-06	3.25E-06	1.07E-05	7.39E-07
8869	471015.6	3819937.01	0.000037739	1.58E-04	1.43E-05	3.14E-05	1.16E-04	1.02E-05	3.56E-06	2.04E-05	2.43E-06	3.24E-06	1.07E-05	7.36E-07
8870	471011.83	3819945.86	0.000037614	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.43E-06	3.23E-06	1.06E-05	7.34E-07
8871	471008.06	3819954.72	0.000037484	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.31E-07
8872	471004.29	3819963.57	0.000037349	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.53E-06	2.02E-05	2.41E-06	3.21E-06	1.06E-05	7.29E-07
8873	471000.51	3819972.43	0.000037215	1.56E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.26E-07
8874	470996.74	3819981.28	0.000037075	1.56E-04	1.40E-05	3.09E-05	1.14E-04	1.01E-05	3.50E-06	2.00E-05	2.39E-06	3.18E-06	1.05E-05	7.23E-07
8875	470992.97	3819990.13	0.000036926	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.49E-06	2.00E-05	2.38E-06	3.17E-06	1.05E-05	7.21E-07
8876	470989.2	3819998.99	0.000036772	1.54E-04	1.39E-05	3.06E-05	1.13E-04	9.98E-06	3.47E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.18E-07
8877	470985.43	3820007.84	0.000036618	1.54E-04	1.38E-05	3.05E-05	1.13E-04	9.94E-06	3.46E-06	1.98E-05	2.36E-06	3.14E-06	1.04E-05	7.15E-07
8878	470981.66	3820016.7	0.000036469	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.90E-06	3.44E-06	1.97E-05	2.35E-06	3.13E-06	1.03E-05	7.12E-07
8879	470962.81	3820060.97	0.000035627	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.67E-06	3.36E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.95E-07
8880	470959.04	3820069.82	0.000035439	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.62E-06	3.35E-06	1.92E-05	2.29E-06	3.04E-06	1.00E-05	6.92E-07
8881	470955.27	3820078.67	0.000035252	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.57E-06	3.33E-06	1.91E-05	2.27E-06	3.03E-06	9.98E-06	6.88E-07
8882	470951.5	3820087.53	0.000035059	1.47E-04	1.33E-05	2.92E-05	1.08E-04	9.52E-06	3.31E-06	1.90E-05	2.26E-06	3.01E-06	9.92E-06	6.84E-07
8883	470947.72	3820096.38	0.000034867	1.46E-04	1.32E-05	2.90E-05	1.08E-04	9.46E-06	3.29E-06	1.88E-05	2.25E-06	2.99E-06	9.87E-06	6.80E-07
8884	470943.95	3820105.24	0.00003467	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.41E-06	3.27E-06	1.87E-05	2.24E-06	2.98E-06	9.81E-06	6.77E-07
8885	470940.18	3820114.09	0.000034468	1.45E-04	1.30E-05	2.87E-05	1.06E-04	9.36E-06	3.25E-06	1.86E-05	2.22E-06	2.96E-06	9.76E-06	6.73E-07
8886	470927.48	3820126.51	0.000034506	1.45E-04	1.31E-05	2.87E-05	1.06E-04	9.37E-06	3.26E-06	1.87E-05	2.23E-06	2.96E-06	9.77E-06	6.73E-07
8887	470918.54	3820130.09	0.000034737	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.43E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.78E-07
8888	470909.6	3820133.66	0.000034968	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.49E-06	3.30E-06	1.89E-05	2.26E-06	3.00E-06	9.90E-06	6.82E-07
8889	470900.67	3820137.23	0.000035194	1.48E-04	1.33E-05	2.93E-05	1.09E-04	9.55E-06	3.32E-06	1.90E-05	2.27E-06	3.02E-06	9.96E-06	6.87E-07
8890	470891.73	3820140.8	0.00003542	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.62E-06	3.34E-06	1.91E-05	2.28E-06	3.04E-06	1.00E-05	6.91E-07
8891	470882.79	3820144.37	0.000035641	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.68E-06	3.37E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.95E-07
8892	470873.86	3820147.94	0.000035863	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.74E-06	3.39E-06	1.94E-05	2.31E-06	3.08E-06	1.02E-05	7.00E-07
8893	470864.92	3820151.51	0.000036079	1.52E-04	1.36E-05	3.01E-05	1.11E-04	9.79E-06	3.41E-06	1.95E-05	2.33E-06	3.10E-06	1.02E-05	7.04E-07
8894	470855.98	3820155.08	0.000036301	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.85E-06	3.43E-06	1.96E-05	2.34E-06	3.12E-06	1.03E-05	7.08E-07
8895	470847.05	3820158.65	0.000036527	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.92E-06	3.45E-06	1.97E-05	2.36E-06	3.14E-06	1.03E-05	7.13E-07
8896	470838.11	3820162.22	0.000036753	1.54E-04	1.39E-05	3.06E-05	1.13E-04	9.98E-06	3.47E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.17E-07
8897	470829.17	3820165.79	0.000036988	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.49E-06	2.00E-05	2.39E-06	3.18E-06	1.05E-05	7.22E-07

8898	470820.24	3820169.36	0.000037224	1.56E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.52E-06	2.01E-05	2.40E-06	3.20E-06	1.05E-05	7.26E-07
8899	470811.3	3820172.93	0.000037465	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.31E-07
8900	470802.36	3820176.5	0.000037715	1.58E-04	1.43E-05	3.14E-05	1.16E-04	1.02E-05	3.56E-06	2.04E-05	2.43E-06	3.24E-06	1.07E-05	7.36E-07
8901	470793.43	3820180.07	0.00003796	1.59E-04	1.44E-05	3.16E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.45E-06	3.26E-06	1.07E-05	7.41E-07
8902	470784.49	3820183.64	0.00003821	1.60E-04	1.45E-05	3.18E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.46E-06	3.28E-06	1.08E-05	7.46E-07
8903	470704.06	3820215.78	0.000041159	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.23E-05	2.65E-06	3.53E-06	1.17E-05	8.03E-07
8904	470695.12	3820219.35	0.000041568	1.75E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.93E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.11E-07
8905	470686.19	3820222.92	0.000041987	1.76E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.96E-06	2.27E-05	2.71E-06	3.60E-06	1.19E-05	8.19E-07
8906	470677.25	3820226.49	0.000042429	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.01E-06	2.29E-05	2.74E-06	3.64E-06	1.20E-05	8.28E-07
8907	470668.31	3820230.06	0.000042886	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.77E-06	3.68E-06	1.21E-05	8.37E-07
8908	470659.38	3820233.63	0.000043358	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.09E-06	2.34E-05	2.80E-06	3.72E-06	1.23E-05	8.46E-07
8909	470650.44	3820237.2	0.000043843	1.84E-04	1.66E-05	3.65E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.76E-06	1.24E-05	8.55E-07
8910	470641.5	3820240.77	0.000044363	1.86E-04	1.68E-05	3.70E-05	1.37E-04	1.20E-05	4.19E-06	2.40E-05	2.86E-06	3.81E-06	1.26E-05	8.66E-07
8911	470632.57	3820244.34	0.000044897	1.89E-04	1.70E-05	3.74E-05	1.39E-04	1.22E-05	4.24E-06	2.43E-05	2.90E-06	3.85E-06	1.27E-05	8.76E-07
8912	470623.63	3820247.92	0.000045445	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.23E-05	4.29E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.87E-07
8913	470614.69	3820251.49	0.000045989	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.34E-06	2.49E-05	2.97E-06	3.95E-06	1.30E-05	8.97E-07
8914	470605.76	3820255.06	0.000046537	1.95E-04	1.76E-05	3.88E-05	1.44E-04	1.26E-05	4.39E-06	2.52E-05	3.00E-06	4.00E-06	1.32E-05	9.08E-07
8915	470596.82	3820258.63	0.000047095	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.04E-06	1.33E-05	9.19E-07
8916	470587.88	3820262.2	0.000047653	2.00E-04	1.80E-05	3.97E-05	1.47E-04	1.29E-05	4.50E-06	2.58E-05	3.07E-06	4.09E-06	1.35E-05	9.30E-07
8917	470578.95	3820265.77	0.000048207	2.02E-04	1.82E-05	4.02E-05	1.49E-04	1.31E-05	4.55E-06	2.61E-05	3.11E-06	4.14E-06	1.36E-05	9.41E-07
8918	470570.01	3820269.34	0.000048755	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.60E-06	2.64E-05	3.14E-06	4.19E-06	1.38E-05	9.51E-07
8919	470561.07	3820272.91	0.000049299	2.07E-04	1.86E-05	4.11E-05	1.52E-04	1.34E-05	4.66E-06	2.67E-05	3.18E-06	4.23E-06	1.40E-05	9.62E-07
8920	470552.14	3820276.48	0.000049833	2.09E-04	1.88E-05	4.15E-05	1.54E-04	1.35E-05	4.71E-06	2.69E-05	3.21E-06	4.28E-06	1.41E-05	9.72E-07
8921	470543.2	3820280.05	0.000050352	2.11E-04	1.90E-05	4.19E-05	1.55E-04	1.37E-05	4.75E-06	2.72E-05	3.25E-06	4.32E-06	1.43E-05	9.83E-07
8922	470534.26	3820283.62	0.000050862	2.14E-04	1.92E-05	4.24E-05	1.57E-04	1.38E-05	4.80E-06	2.75E-05	3.28E-06	4.37E-06	1.44E-05	9.92E-07
8923	470525.33	3820287.19	0.000051358	2.16E-04	1.94E-05	4.28E-05	1.58E-04	1.39E-05	4.85E-06	2.78E-05	3.31E-06	4.41E-06	1.45E-05	1.00E-06
8924	470516.39	3820290.76	0.000051834	2.18E-04	1.96E-05	4.32E-05	1.60E-04	1.41E-05	4.89E-06	2.80E-05	3.34E-06	4.45E-06	1.47E-05	1.01E-06
8925	470507.45	3820294.33	0.000052296	2.20E-04	1.98E-05	4.36E-05	1.61E-04	1.42E-05	4.94E-06	2.83E-05	3.37E-06	4.49E-06	1.48E-05	1.02E-06
8926	470498.52	3820297.9	0.000052733	2.21E-04	1.99E-05	4.39E-05	1.63E-04	1.43E-05	4.98E-06	2.85E-05	3.40E-06	4.53E-06	1.49E-05	1.03E-06
8927	470489.58	3820301.47	0.000053152	2.23E-04	2.01E-05	4.43E-05	1.64E-04	1.44E-05	5.02E-06	2.87E-05	3.43E-06	4.56E-06	1.50E-05	1.04E-06
8928	470480.64	3820305.04	0.000053546	2.25E-04	2.03E-05	4.46E-05	1.65E-04	1.45E-05	5.06E-06	2.89E-05	3.45E-06	4.60E-06	1.52E-05	1.04E-06
8929	470471.71	3820308.62	0.000053912	2.26E-04	2.04E-05	4.49E-05	1.66E-04	1.46E-05	5.09E-06	2.91E-05	3.48E-06	4.63E-06	1.53E-05	1.05E-06
8930	470462.77	3820312.19	0.000054229	2.28E-04	2.05E-05	4.52E-05	1.67E-04	1.47E-05	5.12E-06	2.93E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
8931	470453.83	3820315.76	0.000054533	2.29E-04	2.06E-05	4.54E-05	1.68E-04	1.48E-05	5.15E-06	2.95E-05	3.52E-06	4.68E-06	1.54E-05	1.06E-06
8932	470444.9	3820319.33	0.000054816	2.30E-04	2.07E-05	4.57E-05	1.69E-04	1.49E-05	5.18E-06	2.96E-05	3.54E-06	4.71E-06	1.55E-05	1.07E-06
8933	470435.96	3820322.9	0.000055095	2.31E-04	2.08E-05	4.59E-05	1.70E-04	1.50E-05	5.20E-06	2.98E-05	3.55E-06	4.73E-06	1.56E-05	1.08E-06
8934	470427.02	3820326.47	0.00005536	2.32E-04	2.09E-05	4.61E-05	1.71E-04	1.50E-05	5.23E-06	2.99E-05	3.57E-06	4.75E-06	1.57E-05	1.08E-06
8935	470418.09	3820330.04	0.00005561	2.34E-04	2.10E-05	4.63E-05	1.72E-04	1.51E-05	5.25E-06	3.01E-05	3.59E-06	4.77E-06	1.57E-05	1.09E-06
8936	470409.15	3820333.61	0.000055851	2.35E-04	2.11E-05	4.65E-05	1.72E-04	1.52E-05	5.27E-06	3.02E-05	3.60E-06	4.79E-06	1.58E-05	1.09E-06
8937	470400.21	3820337.18	0.000056072	2.35E-04	2.12E-05	4.67E-05	1.73E-04	1.52E-05	5.29E-06	3.03E-05	3.62E-06	4.81E-06	1.59E-05	1.09E-06
8938	470391.28	3820340.75	0.000056279	2.36E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.31E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
8939	470382.34	3820344.32	0.000056476	2.37E-04	2.14E-05	4.70E-05	1.74E-04	1.53E-05	5.33E-06	3.05E-05	3.64E-06	4.85E-06	1.60E-05	1.10E-06
8940	470373.4	3820347.89	0.000056664	2.38E-04	2.14E-05	4.72E-05	1.75E-04	1.54E-05	5.35E-06	3.06E-05	3.65E-06	4.86E-06	1.60E-05	1.11E-06

8941	470364.47	3820351.46	0.000056842	2.39E-04	2.15E-05	4.73E-05	1.75E-04	1.54E-05	5.37E-06	3.07E-05	3.67E-06	4.88E-06	1.61E-05	1.11E-06
8942	470355.53	3820355.03	0.000057024	2.39E-04	2.16E-05	4.75E-05	1.76E-04	1.55E-05	5.38E-06	3.08E-05	3.68E-06	4.90E-06	1.61E-05	1.11E-06
8943	470346.59	3820358.6	0.000057198	2.40E-04	2.16E-05	4.76E-05	1.77E-04	1.55E-05	5.40E-06	3.09E-05	3.69E-06	4.91E-06	1.62E-05	1.12E-06
8944	470337.66	3820362.17	0.000057371	2.41E-04	2.17E-05	4.78E-05	1.77E-04	1.56E-05	5.42E-06	3.10E-05	3.70E-06	4.93E-06	1.62E-05	1.12E-06
8945	470328.72	3820365.74	0.000057539	2.42E-04	2.18E-05	4.79E-05	1.78E-04	1.56E-05	5.43E-06	3.11E-05	3.71E-06	4.94E-06	1.63E-05	1.12E-06
8946	470319.78	3820369.32	0.000057703	2.42E-04	2.18E-05	4.81E-05	1.78E-04	1.57E-05	5.45E-06	3.12E-05	3.72E-06	4.95E-06	1.63E-05	1.13E-06
8947	470310.85	3820372.89	0.000057866	2.43E-04	2.19E-05	4.82E-05	1.79E-04	1.57E-05	5.46E-06	3.13E-05	3.73E-06	4.97E-06	1.64E-05	1.13E-06
8948	470301.91	3820376.46	0.000058044	2.44E-04	2.20E-05	4.83E-05	1.79E-04	1.58E-05	5.48E-06	3.14E-05	3.74E-06	4.98E-06	1.64E-05	1.13E-06
8949	470292.97	3820380.03	0.000058237	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
8950	470284.04	3820383.6	0.000058419	2.45E-04	2.21E-05	4.87E-05	1.80E-04	1.59E-05	5.52E-06	3.16E-05	3.77E-06	5.02E-06	1.65E-05	1.14E-06
8951	470275.1	3820387.17	0.000058602	2.46E-04	2.22E-05	4.88E-05	1.81E-04	1.59E-05	5.53E-06	3.17E-05	3.78E-06	5.03E-06	1.66E-05	1.14E-06
8952	471219.22	3819458.89	0.000033352	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.05E-06	3.15E-06	1.80E-05	2.15E-06	2.86E-06	9.44E-06	6.51E-07
8953	471219.3	3819449.24	0.00003326	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.03E-06	3.14E-06	1.80E-05	2.15E-06	2.86E-06	9.41E-06	6.49E-07
8954	471219.38	3819439.59	0.000033159	1.39E-04	1.25E-05	2.76E-05	1.02E-04	9.00E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.39E-06	6.47E-07
8955	471219.79	3819391.35	0.000032418	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.18E-06	6.33E-07
8956	471219.88	3819381.7	0.000032221	1.35E-04	1.22E-05	2.68E-05	9.94E-05	8.75E-06	3.04E-06	1.74E-05	2.08E-06	2.77E-06	9.12E-06	6.29E-07
8957	471219.96	3819372.06	0.000032009	1.34E-04	1.21E-05	2.67E-05	9.88E-05	8.69E-06	3.02E-06	1.73E-05	2.06E-06	2.75E-06	9.06E-06	6.25E-07
8958	471220.04	3819362.41	0.000031783	1.33E-04	1.20E-05	2.65E-05	9.81E-05	8.63E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	9.00E-06	6.20E-07
8959	471220.13	3819352.76	0.000031543	1.32E-04	1.19E-05	2.63E-05	9.73E-05	8.56E-06	2.98E-06	1.71E-05	2.03E-06	2.71E-06	8.93E-06	6.15E-07
8960	471220.21	3819343.11	0.000031283	1.31E-04	1.18E-05	2.61E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.69E-06	8.85E-06	6.10E-07
8961	471220.29	3819333.46	0.000031004	1.30E-04	1.17E-05	2.58E-05	9.57E-05	8.42E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.78E-06	6.05E-07
8962	471220.37	3819323.82	0.000030715	1.29E-04	1.16E-05	2.56E-05	9.48E-05	8.34E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.69E-06	5.99E-07
8963	471220.46	3819314.17	0.000030403	1.28E-04	1.15E-05	2.53E-05	9.38E-05	8.25E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.61E-06	5.93E-07
8964	471220.54	3819304.52	0.000030076	1.26E-04	1.14E-05	2.51E-05	9.28E-05	8.16E-06	2.84E-06	1.63E-05	1.94E-06	2.58E-06	8.51E-06	5.87E-07
8965	471220.62	3819294.87	0.000029729	1.25E-04	1.12E-05	2.48E-05	9.17E-05	8.07E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.42E-06	5.80E-07
8966	471220.7	3819285.22	0.000029373	1.23E-04	1.11E-05	2.45E-05	9.06E-05	7.97E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.31E-06	5.73E-07
8967	471220.79	3819275.57	0.000029003	1.22E-04	1.10E-05	2.42E-05	8.95E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.21E-06	5.66E-07
8968	471220.87	3819265.93	0.000028623	1.20E-04	1.08E-05	2.38E-05	8.83E-05	7.77E-06	2.70E-06	1.55E-05	1.85E-06	2.46E-06	8.10E-06	5.59E-07
8969	471220.95	3819256.28	0.000028228	1.19E-04	1.07E-05	2.35E-05	8.71E-05	7.66E-06	2.67E-06	1.53E-05	1.82E-06	2.42E-06	7.99E-06	5.51E-07
8970	471221.04	3819246.63	0.000027815	1.17E-04	1.05E-05	2.32E-05	8.58E-05	7.55E-06	2.63E-06	1.50E-05	1.79E-06	2.39E-06	7.87E-06	5.43E-07
8971	471269.27	3819529.88	0.000030441	1.28E-04	1.15E-05	2.54E-05	9.39E-05	8.26E-06	2.87E-06	1.65E-05	1.96E-06	2.61E-06	8.62E-06	5.94E-07
8972	471265.53	3819538.66	0.000030667	1.29E-04	1.16E-05	2.55E-05	9.46E-05	8.32E-06	2.90E-06	1.66E-05	1.98E-06	2.63E-06	8.68E-06	5.98E-07
8973	471261.79	3819547.45	0.000030884	1.30E-04	1.17E-05	2.57E-05	9.53E-05	8.38E-06	2.92E-06	1.67E-05	1.99E-06	2.65E-06	8.74E-06	6.03E-07
8974	471258.05	3819556.24	0.000031095	1.31E-04	1.18E-05	2.59E-05	9.60E-05	8.44E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.80E-06	6.07E-07
8975	471254.3	3819565.02	0.000031302	1.31E-04	1.18E-05	2.61E-05	9.66E-05	8.50E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.86E-06	6.11E-07
8976	471250.56	3819573.81	0.000031504	1.32E-04	1.19E-05	2.62E-05	9.72E-05	8.55E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.92E-06	6.15E-07
8977	471246.82	3819582.6	0.000031702	1.33E-04	1.20E-05	2.64E-05	9.78E-05	8.61E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.97E-06	6.19E-07
8978	471243.08	3819591.39	0.000031889	1.34E-04	1.21E-05	2.66E-05	9.84E-05	8.66E-06	3.01E-06	1.72E-05	2.06E-06	2.74E-06	9.03E-06	6.22E-07
8979	471239.34	3819600.17	0.000032077	1.35E-04	1.21E-05	2.67E-05	9.90E-05	8.71E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.08E-06	6.26E-07
8980	471235.59	3819608.96	0.000032255	1.35E-04	1.22E-05	2.69E-05	9.95E-05	8.76E-06	3.05E-06	1.74E-05	2.08E-06	2.77E-06	9.13E-06	6.29E-07
8981	471231.85	3819617.75	0.000032428	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.18E-06	6.33E-07
8982	471228.11	3819626.54	0.000032596	1.37E-04	1.23E-05	2.72E-05	1.01E-04	8.85E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.23E-06	6.36E-07
8983	471224.37	3819635.32	0.00003276	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.89E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.27E-06	6.39E-07

8984	471220.62	3819644.11	0.000032914	1.38E-04	1.24E-05	2.74E-05	1.02E-04	8.94E-06	3.11E-06	1.78E-05	2.12E-06	2.83E-06	9.32E-06	6.42E-07
8985	471216.88	3819652.9	0.000033058	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.97E-06	3.12E-06	1.79E-05	2.13E-06	2.84E-06	9.36E-06	6.45E-07
8986	471213.14	3819661.69	0.000033198	1.39E-04	1.26E-05	2.77E-05	1.02E-04	9.01E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
8987	471209.4	3819670.47	0.000033323	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.05E-06	3.15E-06	1.80E-05	2.15E-06	2.86E-06	9.43E-06	6.50E-07
8988	471205.65	3819679.26	0.000033448	1.40E-04	1.27E-05	2.79E-05	1.03E-04	9.08E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.47E-06	6.53E-07
8989	471201.91	3819688.05	0.000033558	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.11E-06	3.17E-06	1.81E-05	2.16E-06	2.88E-06	9.50E-06	6.55E-07
8990	471198.17	3819696.84	0.00003366	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.14E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.53E-06	6.57E-07
8991	471194.43	3819705.62	0.000033756	1.42E-04	1.28E-05	2.81E-05	1.04E-04	9.16E-06	3.19E-06	1.82E-05	2.18E-06	2.90E-06	9.56E-06	6.59E-07
8992	471190.68	3819714.41	0.000033838	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.19E-06	3.20E-06	1.83E-05	2.18E-06	2.90E-06	9.58E-06	6.60E-07
8993	471186.94	3819723.2	0.000033914	1.42E-04	1.28E-05	2.82E-05	1.05E-04	9.21E-06	3.20E-06	1.83E-05	2.19E-06	2.91E-06	9.60E-06	6.62E-07
8994	471183.2	3819731.99	0.000033977	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.22E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.62E-06	6.63E-07
8995	471179.46	3819740.77	0.00003403	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.24E-06	3.21E-06	1.84E-05	2.20E-06	2.92E-06	9.63E-06	6.64E-07
8996	471175.72	3819749.56	0.000034073	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.64E-06	6.65E-07
8997	471171.97	3819758.35	0.000034107	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.26E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.65E-06	6.66E-07
8998	471168.23	3819767.14	0.000034136	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.22E-06	1.85E-05	2.20E-06	2.93E-06	9.66E-06	6.66E-07
8999	471164.49	3819775.92	0.00003415	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.22E-06	1.85E-05	2.20E-06	2.93E-06	9.67E-06	6.66E-07
9000	471160.75	3819784.71	0.000034155	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.23E-06	1.85E-05	2.20E-06	2.93E-06	9.67E-06	6.66E-07
9001	471157	3819793.5	0.00003415	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.22E-06	1.85E-05	2.20E-06	2.93E-06	9.67E-06	6.66E-07
9002	471153.26	3819802.29	0.000034136	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.22E-06	1.85E-05	2.20E-06	2.93E-06	9.66E-06	6.66E-07
9003	471149.52	3819811.07	0.000034117	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.26E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.66E-06	6.66E-07
9004	471145.78	3819819.86	0.000034088	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.65E-06	6.65E-07
9005	471142.03	3819828.65	0.000034054	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.24E-06	3.22E-06	1.84E-05	2.20E-06	2.92E-06	9.64E-06	6.64E-07
9006	471138.29	3819837.44	0.000034011	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.23E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.63E-06	6.64E-07
9007	471134.55	3819846.22	0.000033958	1.43E-04	1.28E-05	2.83E-05	1.05E-04	9.22E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.61E-06	6.63E-07
9008	471130.81	3819855.01	0.000033905	1.42E-04	1.28E-05	2.82E-05	1.05E-04	9.20E-06	3.20E-06	1.83E-05	2.19E-06	2.91E-06	9.60E-06	6.62E-07
9009	471127.07	3819863.8	0.000033842	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.19E-06	3.20E-06	1.83E-05	2.18E-06	2.91E-06	9.58E-06	6.60E-07
9010	471123.32	3819872.59	0.00003378	1.42E-04	1.28E-05	2.81E-05	1.04E-04	9.17E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.56E-06	6.59E-07
9011	471119.58	3819881.37	0.000033708	1.42E-04	1.27E-05	2.81E-05	1.04E-04	9.15E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.54E-06	6.58E-07
9012	471115.84	3819890.16	0.000033635	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.13E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.52E-06	6.56E-07
9013	471112.1	3819898.95	0.000033554	1.41E-04	1.27E-05	2.79E-05	1.04E-04	9.11E-06	3.17E-06	1.81E-05	2.16E-06	2.88E-06	9.50E-06	6.55E-07
9014	471108.35	3819907.73	0.000033477	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.48E-06	6.53E-07
9015	471104.61	3819916.52	0.00003339	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.06E-06	3.15E-06	1.81E-05	2.15E-06	2.87E-06	9.45E-06	6.52E-07
9016	471100.87	3819925.31	0.000033304	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.04E-06	3.14E-06	1.80E-05	2.15E-06	2.86E-06	9.43E-06	6.50E-07
9017	471097.13	3819934.1	0.000033217	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.02E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
9018	471093.38	3819942.88	0.00003313	1.39E-04	1.25E-05	2.76E-05	1.02E-04	8.99E-06	3.13E-06	1.79E-05	2.14E-06	2.84E-06	9.38E-06	6.46E-07
9019	471089.64	3819951.67	0.000033039	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.97E-06	3.12E-06	1.79E-05	2.13E-06	2.84E-06	9.35E-06	6.45E-07
9020	471085.9	3819960.46	0.000032948	1.38E-04	1.25E-05	2.74E-05	1.02E-04	8.94E-06	3.11E-06	1.78E-05	2.13E-06	2.83E-06	9.33E-06	6.43E-07
9021	471082.16	3819969.25	0.000032851	1.38E-04	1.24E-05	2.74E-05	1.01E-04	8.92E-06	3.10E-06	1.78E-05	2.12E-06	2.82E-06	9.30E-06	6.41E-07
9022	471078.41	3819978.03	0.000032755	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.89E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.27E-06	6.39E-07
9023	471074.67	3819986.82	0.000032659	1.37E-04	1.24E-05	2.72E-05	1.01E-04	8.87E-06	3.08E-06	1.77E-05	2.11E-06	2.80E-06	9.24E-06	6.37E-07
9024	471070.93	3819995.61	0.000032558	1.37E-04	1.23E-05	2.71E-05	1.00E-04	8.84E-06	3.07E-06	1.76E-05	2.10E-06	2.80E-06	9.22E-06	6.35E-07
9025	471067.19	3820004.4	0.000032462	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.81E-06	3.07E-06	1.75E-05	2.09E-06	2.79E-06	9.19E-06	6.33E-07
9026	471063.45	3820013.18	0.000032361	1.36E-04	1.22E-05	2.70E-05	9.99E-05	8.78E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.16E-06	6.31E-07

9027	471059.7	3820021.97	0.00003226	1.35E-04	1.22E-05	2.69E-05	9.96E-05	8.76E-06	3.05E-06	1.74E-05	2.08E-06	2.77E-06	9.13E-06	6.29E-07
9028	471055.96	3820030.76	0.000032159	1.35E-04	1.22E-05	2.68E-05	9.92E-05	8.73E-06	3.04E-06	1.74E-05	2.07E-06	2.76E-06	9.10E-06	6.27E-07
9029	471052.22	3820039.55	0.000032048	1.35E-04	1.21E-05	2.67E-05	9.89E-05	8.70E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.07E-06	6.25E-07
9030	471048.48	3820048.33	0.000031942	1.34E-04	1.21E-05	2.66E-05	9.86E-05	8.67E-06	3.02E-06	1.73E-05	2.06E-06	2.74E-06	9.04E-06	6.23E-07
9031	471044.73	3820057.12	0.000031832	1.34E-04	1.20E-05	2.65E-05	9.82E-05	8.64E-06	3.01E-06	1.72E-05	2.05E-06	2.73E-06	9.01E-06	6.21E-07
9032	471040.99	3820065.91	0.000031716	1.33E-04	1.20E-05	2.64E-05	9.79E-05	8.61E-06	2.99E-06	1.71E-05	2.05E-06	2.72E-06	8.98E-06	6.19E-07
9033	471037.25	3820074.7	0.000031591	1.33E-04	1.19E-05	2.63E-05	9.75E-05	8.58E-06	2.98E-06	1.71E-05	2.04E-06	2.71E-06	8.94E-06	6.16E-07
9034	471033.51	3820083.48	0.000031466	1.32E-04	1.19E-05	2.62E-05	9.71E-05	8.54E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.91E-06	6.14E-07
9035	471029.76	3820092.27	0.000031336	1.32E-04	1.19E-05	2.61E-05	9.67E-05	8.51E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.87E-06	6.11E-07
9036	471026.02	3820101.06	0.000031206	1.31E-04	1.18E-05	2.60E-05	9.63E-05	8.47E-06	2.95E-06	1.69E-05	2.01E-06	2.68E-06	8.83E-06	6.09E-07
9037	471022.28	3820109.85	0.000031076	1.31E-04	1.18E-05	2.59E-05	9.59E-05	8.44E-06	2.93E-06	1.68E-05	2.00E-06	2.67E-06	8.80E-06	6.06E-07
9038	471018.54	3820118.63	0.000030942	1.30E-04	1.17E-05	2.58E-05	9.55E-05	8.40E-06	2.92E-06	1.67E-05	2.00E-06	2.66E-06	8.76E-06	6.04E-07
9039	471014.8	3820127.42	0.000030802	1.29E-04	1.16E-05	2.57E-05	9.50E-05	8.36E-06	2.91E-06	1.67E-05	1.99E-06	2.64E-06	8.72E-06	6.01E-07
9040	471011.05	3820136.21	0.000030658	1.29E-04	1.16E-05	2.55E-05	9.46E-05	8.32E-06	2.90E-06	1.66E-05	1.98E-06	2.63E-06	8.68E-06	5.98E-07
9041	471007.31	3820145	0.000030509	1.28E-04	1.15E-05	2.54E-05	9.41E-05	8.28E-06	2.88E-06	1.65E-05	1.97E-06	2.62E-06	8.64E-06	5.95E-07
9042	471003.57	3820153.78	0.000030355	1.27E-04	1.15E-05	2.53E-05	9.37E-05	8.24E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.59E-06	5.92E-07
9043	470999.83	3820162.57	0.000030196	1.27E-04	1.14E-05	2.52E-05	9.32E-05	8.20E-06	2.85E-06	1.63E-05	1.95E-06	2.59E-06	8.55E-06	5.89E-07
9044	470996.08	3820171.36	0.000030032	1.26E-04	1.14E-05	2.50E-05	9.27E-05	8.15E-06	2.84E-06	1.62E-05	1.94E-06	2.58E-06	8.50E-06	5.86E-07
9045	470965.73	3820190.78	0.000030441	1.28E-04	1.15E-05	2.54E-05	9.39E-05	8.26E-06	2.87E-06	1.65E-05	1.96E-06	2.61E-06	8.62E-06	5.94E-07
9046	470956.86	3820194.32	0.000030629	1.29E-04	1.16E-05	2.55E-05	9.45E-05	8.31E-06	2.89E-06	1.66E-05	1.98E-06	2.63E-06	8.67E-06	5.98E-07
9047	470947.99	3820197.86	0.000030812	1.29E-04	1.17E-05	2.57E-05	9.51E-05	8.36E-06	2.91E-06	1.67E-05	1.99E-06	2.65E-06	8.72E-06	6.01E-07
9048	470939.12	3820201.41	0.000030994	1.30E-04	1.17E-05	2.58E-05	9.56E-05	8.41E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.77E-06	6.05E-07
9049	470930.26	3820204.95	0.000031177	1.31E-04	1.18E-05	2.60E-05	9.62E-05	8.46E-06	2.94E-06	1.69E-05	2.01E-06	2.68E-06	8.83E-06	6.08E-07
9050	470921.39	3820208.5	0.000031355	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.51E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
9051	470912.52	3820212.04	0.000031538	1.32E-04	1.19E-05	2.63E-05	9.73E-05	8.56E-06	2.98E-06	1.71E-05	2.03E-06	2.71E-06	8.93E-06	6.15E-07
9052	470903.65	3820215.58	0.000031716	1.33E-04	1.20E-05	2.64E-05	9.79E-05	8.61E-06	2.99E-06	1.71E-05	2.05E-06	2.72E-06	8.98E-06	6.19E-07
9053	470894.78	3820219.13	0.000031894	1.34E-04	1.21E-05	2.66E-05	9.84E-05	8.66E-06	3.01E-06	1.72E-05	2.06E-06	2.74E-06	9.03E-06	6.22E-07
9054	470885.91	3820222.67	0.000032077	1.35E-04	1.21E-05	2.67E-05	9.90E-05	8.71E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.08E-06	6.26E-07
9055	470877.04	3820226.21	0.00003226	1.35E-04	1.22E-05	2.69E-05	9.96E-05	8.76E-06	3.05E-06	1.74E-05	2.08E-06	2.77E-06	9.13E-06	6.29E-07
9056	470868.17	3820229.76	0.000032447	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.81E-06	3.06E-06	1.75E-05	2.09E-06	2.79E-06	9.18E-06	6.33E-07
9057	470859.3	3820233.3	0.000032635	1.37E-04	1.23E-05	2.72E-05	1.01E-04	8.86E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.24E-06	6.37E-07
9058	470850.43	3820236.84	0.000032818	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.91E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.40E-07
9059	470841.56	3820240.39	0.000033	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.96E-06	3.12E-06	1.78E-05	2.13E-06	2.83E-06	9.34E-06	6.44E-07
9060	470832.69	3820243.93	0.000033193	1.39E-04	1.26E-05	2.76E-05	1.02E-04	9.01E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
9061	470823.82	3820247.48	0.000033405	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.07E-06	3.15E-06	1.81E-05	2.15E-06	2.87E-06	9.46E-06	6.52E-07
9062	470814.95	3820251.02	0.000033626	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.13E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.52E-06	6.56E-07
9063	470806.08	3820254.56	0.000033857	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.19E-06	3.20E-06	1.83E-05	2.18E-06	2.91E-06	9.58E-06	6.61E-07
9064	470726.26	3820286.46	0.000036426	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.89E-06	3.44E-06	1.97E-05	2.35E-06	3.13E-06	1.03E-05	7.11E-07
9065	470717.39	3820290	0.000036786	1.54E-04	1.39E-05	3.06E-05	1.14E-04	9.99E-06	3.47E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.18E-07
9066	470708.52	3820293.54	0.000037162	1.56E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.25E-07
9067	470699.65	3820297.09	0.000037551	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.33E-07
9068	470690.78	3820300.63	0.000037955	1.59E-04	1.44E-05	3.16E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.45E-06	3.26E-06	1.07E-05	7.41E-07
9069	470681.91	3820304.18	0.000038364	1.61E-04	1.45E-05	3.20E-05	1.18E-04	1.04E-05	3.62E-06	2.07E-05	2.47E-06	3.29E-06	1.09E-05	7.49E-07

9070	470673.04	3820307.72	0.000038788	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
9071	470664.17	3820311.26	0.000039221	1.65E-04	1.48E-05	3.27E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.65E-07
9072	470655.3	3820314.81	0.000039668	1.67E-04	1.50E-05	3.30E-05	1.22E-04	1.08E-05	3.75E-06	2.14E-05	2.56E-06	3.41E-06	1.12E-05	7.74E-07
9073	470646.44	3820318.35	0.00004012	1.68E-04	1.52E-05	3.34E-05	1.24E-04	1.09E-05	3.79E-06	2.17E-05	2.59E-06	3.44E-06	1.14E-05	7.83E-07
9074	470637.57	3820321.89	0.000040577	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.92E-07
9075	470628.7	3820325.44	0.000041039	1.72E-04	1.55E-05	3.42E-05	1.27E-04	1.11E-05	3.88E-06	2.22E-05	2.65E-06	3.52E-06	1.16E-05	8.01E-07
9076	470619.83	3820328.98	0.000041501	1.74E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.92E-06	2.24E-05	2.68E-06	3.56E-06	1.17E-05	8.10E-07
9077	470610.96	3820332.53	0.000041982	1.76E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.96E-06	2.27E-05	2.71E-06	3.60E-06	1.19E-05	8.19E-07
9078	470602.09	3820336.07	0.000042463	1.78E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.01E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.29E-07
9079	470593.22	3820339.61	0.000042934	1.80E-04	1.62E-05	3.58E-05	1.32E-04	1.17E-05	4.05E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.38E-07
9080	470584.35	3820343.16	0.000043386	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.72E-06	1.23E-05	8.47E-07
9081	470575.48	3820346.7	0.000043829	1.84E-04	1.66E-05	3.65E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.76E-06	1.24E-05	8.55E-07
9082	470566.61	3820350.24	0.000044272	1.86E-04	1.67E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.39E-05	2.86E-06	3.80E-06	1.25E-05	8.64E-07
9083	470557.74	3820353.79	0.0000447	1.88E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.22E-06	2.42E-05	2.88E-06	3.84E-06	1.27E-05	8.72E-07
9084	470548.87	3820357.33	0.000045109	1.89E-04	1.71E-05	3.76E-05	1.39E-04	1.22E-05	4.26E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.80E-07
9085	470540	3820360.88	0.000045503	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.24E-05	4.30E-06	2.46E-05	2.94E-06	3.91E-06	1.29E-05	8.88E-07
9086	470531.13	3820364.42	0.000045883	1.93E-04	1.74E-05	3.82E-05	1.42E-04	1.25E-05	4.33E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.95E-07
9087	470522.26	3820367.96	0.000046244	1.94E-04	1.75E-05	3.85E-05	1.43E-04	1.26E-05	4.37E-06	2.50E-05	2.98E-06	3.97E-06	1.31E-05	9.02E-07
9088	470513.39	3820371.51	0.000046581	1.96E-04	1.76E-05	3.88E-05	1.44E-04	1.26E-05	4.40E-06	2.52E-05	3.00E-06	4.00E-06	1.32E-05	9.09E-07
9089	470504.52	3820375.05	0.000046893	1.97E-04	1.77E-05	3.91E-05	1.45E-04	1.27E-05	4.43E-06	2.54E-05	3.02E-06	4.03E-06	1.33E-05	9.15E-07
9090	470495.66	3820378.59	0.000047182	1.98E-04	1.78E-05	3.93E-05	1.46E-04	1.28E-05	4.46E-06	2.55E-05	3.04E-06	4.05E-06	1.34E-05	9.21E-07
9091	470486.79	3820382.14	0.000047451	1.99E-04	1.79E-05	3.95E-05	1.46E-04	1.29E-05	4.48E-06	2.57E-05	3.06E-06	4.07E-06	1.34E-05	9.26E-07
9092	470477.92	3820385.68	0.000047711	2.00E-04	1.80E-05	3.97E-05	1.47E-04	1.30E-05	4.51E-06	2.58E-05	3.08E-06	4.10E-06	1.35E-05	9.31E-07
9093	470469.05	3820389.23	0.000047957	2.01E-04	1.81E-05	3.99E-05	1.48E-04	1.30E-05	4.53E-06	2.59E-05	3.09E-06	4.12E-06	1.36E-05	9.36E-07
9094	470460.18	3820392.77	0.000048192	2.02E-04	1.82E-05	4.01E-05	1.49E-04	1.31E-05	4.55E-06	2.61E-05	3.11E-06	4.14E-06	1.36E-05	9.40E-07
9095	470451.31	3820396.31	0.000048414	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.57E-06	2.62E-05	3.12E-06	4.16E-06	1.37E-05	9.45E-07
9096	470442.44	3820399.86	0.000048616	2.04E-04	1.84E-05	4.05E-05	1.50E-04	1.32E-05	4.59E-06	2.63E-05	3.14E-06	4.17E-06	1.38E-05	9.49E-07
9097	470433.57	3820403.4	0.000048789	2.05E-04	1.85E-05	4.06E-05	1.51E-04	1.32E-05	4.61E-06	2.64E-05	3.15E-06	4.19E-06	1.38E-05	9.52E-07
9098	470424.7	3820406.94	0.000048938	2.06E-04	1.85E-05	4.08E-05	1.51E-04	1.33E-05	4.62E-06	2.65E-05	3.16E-06	4.20E-06	1.39E-05	9.55E-07
9099	470415.83	3820410.49	0.000049077	2.06E-04	1.86E-05	4.09E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.17E-06	4.21E-06	1.39E-05	9.58E-07
9100	470406.96	3820414.03	0.000049217	2.07E-04	1.86E-05	4.10E-05	1.52E-04	1.34E-05	4.65E-06	2.66E-05	3.17E-06	4.23E-06	1.39E-05	9.60E-07
9101	470398.09	3820417.58	0.000049366	2.07E-04	1.87E-05	4.11E-05	1.52E-04	1.34E-05	4.66E-06	2.67E-05	3.18E-06	4.24E-06	1.40E-05	9.63E-07
9102	470389.22	3820421.12	0.000049506	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.68E-05	3.19E-06	4.25E-06	1.40E-05	9.66E-07
9103	470380.35	3820424.66	0.000049645	2.08E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.69E-06	2.68E-05	3.20E-06	4.26E-06	1.41E-05	9.69E-07
9104	470371.48	3820428.21	0.00004978	2.09E-04	1.88E-05	4.15E-05	1.54E-04	1.35E-05	4.70E-06	2.69E-05	3.21E-06	4.27E-06	1.41E-05	9.71E-07
9105	470362.61	3820431.75	0.00004991	2.10E-04	1.89E-05	4.16E-05	1.54E-04	1.35E-05	4.71E-06	2.70E-05	3.22E-06	4.28E-06	1.41E-05	9.74E-07
9106	470353.75	3820435.29	0.000050039	2.10E-04	1.89E-05	4.17E-05	1.54E-04	1.36E-05	4.73E-06	2.71E-05	3.23E-06	4.30E-06	1.42E-05	9.76E-07
9107	470344.88	3820438.84	0.000050179	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.74E-06	2.71E-05	3.24E-06	4.31E-06	1.42E-05	9.79E-07
9108	470336.01	3820442.38	0.000050328	2.11E-04	1.90E-05	4.19E-05	1.55E-04	1.37E-05	4.75E-06	2.72E-05	3.25E-06	4.32E-06	1.42E-05	9.82E-07
9109	470327.14	3820445.93	0.000050487	2.12E-04	1.91E-05	4.21E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.26E-06	4.33E-06	1.43E-05	9.85E-07
9110	470318.27	3820449.47	0.00005065	2.13E-04	1.92E-05	4.22E-05	1.56E-04	1.37E-05	4.78E-06	2.74E-05	3.27E-06	4.35E-06	1.43E-05	9.88E-07
9111	470309.4	3820453.01	0.000050804	2.13E-04	1.92E-05	4.23E-05	1.57E-04	1.38E-05	4.80E-06	2.75E-05	3.28E-06	4.36E-06	1.44E-05	9.91E-07
9112	470300.53	3820456.56	0.000050953	2.14E-04	1.93E-05	4.24E-05	1.57E-04	1.38E-05	4.81E-06	2.75E-05	3.29E-06	4.37E-06	1.44E-05	9.94E-07

9113	470291.66	3820460.1	0.000051107	2.15E-04	1.93E-05	4.26E-05	1.58E-04	1.39E-05	4.83E-06	2.76E-05	3.30E-06	4.39E-06	1.45E-05	9.97E-07
9114	470282.79	3820463.64	0.000051266	2.15E-04	1.94E-05	4.27E-05	1.58E-04	1.39E-05	4.84E-06	2.77E-05	3.31E-06	4.40E-06	1.45E-05	1.00E-06
9115	470273.92	3820467.19	0.000051435	2.16E-04	1.95E-05	4.28E-05	1.59E-04	1.40E-05	4.86E-06	2.78E-05	3.32E-06	4.42E-06	1.46E-05	1.00E-06
9116	471375.45	3819469.09	0.000024837	1.04E-04	9.39E-06	2.07E-05	7.66E-05	6.74E-06	2.35E-06	1.34E-05	1.60E-06	2.13E-06	7.03E-06	4.85E-07
9117	471371.69	3819477.92	0.000025049	1.05E-04	9.47E-06	2.09E-05	7.73E-05	6.80E-06	2.37E-06	1.35E-05	1.62E-06	2.15E-06	7.09E-06	4.89E-07
9118	471367.93	3819486.75	0.000025255	1.06E-04	9.55E-06	2.10E-05	7.79E-05	6.86E-06	2.38E-06	1.37E-05	1.63E-06	2.17E-06	7.15E-06	4.93E-07
9119	471364.17	3819495.58	0.000025458	1.07E-04	9.63E-06	2.12E-05	7.86E-05	6.91E-06	2.40E-06	1.38E-05	1.64E-06	2.19E-06	7.21E-06	4.97E-07
9120	471360.41	3819504.41	0.000025655	1.08E-04	9.70E-06	2.14E-05	7.92E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.26E-06	5.01E-07
9121	471356.65	3819513.24	0.000025852	1.09E-04	9.78E-06	2.15E-05	7.98E-05	7.02E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.32E-06	5.04E-07
9122	471352.88	3819522.08	0.000026044	1.09E-04	9.85E-06	2.17E-05	8.04E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.37E-06	5.08E-07
9123	471349.12	3819530.91	0.000026232	1.10E-04	9.92E-06	2.18E-05	8.09E-05	7.12E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.43E-06	5.12E-07
9124	471334.08	3819566.23	0.000026958	1.13E-04	1.02E-05	2.25E-05	8.32E-05	7.32E-06	2.55E-06	1.46E-05	1.74E-06	2.31E-06	7.63E-06	5.26E-07
9125	471330.32	3819575.06	0.000027127	1.14E-04	1.03E-05	2.26E-05	8.37E-05	7.36E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.68E-06	5.29E-07
9126	471326.56	3819583.89	0.0000273	1.15E-04	1.03E-05	2.27E-05	8.42E-05	7.41E-06	2.58E-06	1.48E-05	1.76E-06	2.34E-06	7.73E-06	5.33E-07
9127	471322.8	3819592.72	0.000027464	1.15E-04	1.04E-05	2.29E-05	8.47E-05	7.45E-06	2.59E-06	1.48E-05	1.77E-06	2.36E-06	7.77E-06	5.36E-07
9128	471319.04	3819601.55	0.000027627	1.16E-04	1.04E-05	2.30E-05	8.53E-05	7.50E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.82E-06	5.39E-07
9129	471315.28	3819610.38	0.000027786	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.39E-06	7.87E-06	5.42E-07
9130	471311.52	3819619.21	0.00002794	1.17E-04	1.06E-05	2.33E-05	8.62E-05	7.58E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.91E-06	5.45E-07
9131	471307.76	3819628.04	0.000028089	1.18E-04	1.06E-05	2.34E-05	8.67E-05	7.63E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.95E-06	5.48E-07
9132	471304	3819636.87	0.000028233	1.19E-04	1.07E-05	2.35E-05	8.71E-05	7.66E-06	2.67E-06	1.53E-05	1.82E-06	2.42E-06	7.99E-06	5.51E-07
9133	471300.24	3819645.7	0.000028378	1.19E-04	1.07E-05	2.36E-05	8.76E-05	7.70E-06	2.68E-06	1.53E-05	1.83E-06	2.44E-06	8.03E-06	5.54E-07
9134	471296.47	3819654.53	0.000028512	1.20E-04	1.08E-05	2.37E-05	8.80E-05	7.74E-06	2.69E-06	1.54E-05	1.84E-06	2.45E-06	8.07E-06	5.56E-07
9135	471292.71	3819663.36	0.000028642	1.20E-04	1.08E-05	2.39E-05	8.84E-05	7.78E-06	2.70E-06	1.55E-05	1.85E-06	2.46E-06	8.11E-06	5.59E-07
9136	471288.95	3819672.19	0.000028772	1.21E-04	1.09E-05	2.40E-05	8.88E-05	7.81E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.14E-06	5.61E-07
9137	471285.19	3819681.02	0.000028892	1.21E-04	1.09E-05	2.41E-05	8.92E-05	7.84E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.18E-06	5.64E-07
9138	471281.43	3819689.85	0.000029003	1.22E-04	1.10E-05	2.42E-05	8.95E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.21E-06	5.66E-07
9139	471277.67	3819698.69	0.000029114	1.22E-04	1.10E-05	2.43E-05	8.98E-05	7.90E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.24E-06	5.68E-07
9140	471273.91	3819707.52	0.000029215	1.23E-04	1.10E-05	2.43E-05	9.02E-05	7.93E-06	2.76E-06	1.58E-05	1.88E-06	2.51E-06	8.27E-06	5.70E-07
9141	471270.15	3819716.35	0.000029311	1.23E-04	1.11E-05	2.44E-05	9.04E-05	7.96E-06	2.77E-06	1.58E-05	1.89E-06	2.52E-06	8.30E-06	5.72E-07
9142	471266.39	3819725.18	0.000029397	1.23E-04	1.11E-05	2.45E-05	9.07E-05	7.98E-06	2.78E-06	1.59E-05	1.90E-06	2.52E-06	8.32E-06	5.74E-07
9143	471262.63	3819734.01	0.000029474	1.24E-04	1.11E-05	2.46E-05	9.10E-05	8.00E-06	2.78E-06	1.59E-05	1.90E-06	2.53E-06	8.34E-06	5.75E-07
9144	471258.87	3819742.84	0.000029546	1.24E-04	1.12E-05	2.46E-05	9.12E-05	8.02E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.36E-06	5.77E-07
9145	471255.11	3819751.67	0.000029614	1.24E-04	1.12E-05	2.47E-05	9.14E-05	8.04E-06	2.80E-06	1.60E-05	1.91E-06	2.54E-06	8.38E-06	5.78E-07
9146	471251.35	3819760.5	0.000029672	1.25E-04	1.12E-05	2.47E-05	9.16E-05	8.05E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.40E-06	5.79E-07
9147	471247.59	3819769.33	0.00002972	1.25E-04	1.12E-05	2.48E-05	9.17E-05	8.07E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.41E-06	5.80E-07
9148	471243.83	3819778.16	0.000029763	1.25E-04	1.13E-05	2.48E-05	9.18E-05	8.08E-06	2.81E-06	1.61E-05	1.92E-06	2.56E-06	8.42E-06	5.81E-07
9149	471240.06	3819786.99	0.000029792	1.25E-04	1.13E-05	2.48E-05	9.19E-05	8.09E-06	2.81E-06	1.61E-05	1.92E-06	2.56E-06	8.43E-06	5.81E-07
9150	471236.3	3819795.82	0.000029821	1.25E-04	1.13E-05	2.48E-05	9.20E-05	8.10E-06	2.82E-06	1.61E-05	1.92E-06	2.56E-06	8.44E-06	5.82E-07
9151	471232.54	3819804.65	0.000029835	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.92E-06	2.56E-06	8.44E-06	5.82E-07
9152	471228.78	3819813.48	0.000029845	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.93E-06	2.56E-06	8.45E-06	5.82E-07
9153	471225.02	3819822.31	0.00002985	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.93E-06	2.56E-06	8.45E-06	5.82E-07
9154	471221.26	3819831.14	0.000029845	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.93E-06	2.56E-06	8.45E-06	5.82E-07
9155	471217.5	3819839.97	0.00002983	1.25E-04	1.13E-05	2.48E-05	9.20E-05	8.10E-06	2.82E-06	1.61E-05	1.92E-06	2.56E-06	8.44E-06	5.82E-07

9156	471213.74	3819848.8	0.000029811	1.25E-04	1.13E-05	2.48E-05	9.20E-05	8.09E-06	2.82E-06	1.61E-05	1.92E-06	2.56E-06	8.44E-06	5.82E-07
9157	471209.98	3819857.63	0.000029787	1.25E-04	1.13E-05	2.48E-05	9.19E-05	8.09E-06	2.81E-06	1.61E-05	1.92E-06	2.56E-06	8.43E-06	5.81E-07
9158	471206.22	3819866.47	0.000029758	1.25E-04	1.13E-05	2.48E-05	9.18E-05	8.08E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.42E-06	5.81E-07
9159	471202.46	3819875.3	0.00002972	1.25E-04	1.12E-05	2.48E-05	9.17E-05	8.07E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.41E-06	5.80E-07
9160	471198.7	3819884.13	0.000029681	1.25E-04	1.12E-05	2.47E-05	9.16E-05	8.06E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.40E-06	5.79E-07
9161	471194.94	3819892.96	0.000029633	1.24E-04	1.12E-05	2.47E-05	9.14E-05	8.04E-06	2.80E-06	1.60E-05	1.91E-06	2.54E-06	8.39E-06	5.78E-07
9162	471191.18	3819901.79	0.000029585	1.24E-04	1.12E-05	2.46E-05	9.13E-05	8.03E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.37E-06	5.77E-07
9163	471187.42	3819910.62	0.000029532	1.24E-04	1.12E-05	2.46E-05	9.11E-05	8.02E-06	2.79E-06	1.60E-05	1.90E-06	2.54E-06	8.36E-06	5.76E-07
9164	471183.65	3819919.45	0.000029479	1.24E-04	1.11E-05	2.46E-05	9.10E-05	8.00E-06	2.78E-06	1.59E-05	1.90E-06	2.53E-06	8.34E-06	5.75E-07
9165	471179.89	3819928.28	0.000029417	1.24E-04	1.11E-05	2.45E-05	9.08E-05	7.99E-06	2.78E-06	1.59E-05	1.90E-06	2.53E-06	8.33E-06	5.74E-07
9166	471176.13	3819937.11	0.000029359	1.23E-04	1.11E-05	2.45E-05	9.06E-05	7.97E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.31E-06	5.73E-07
9167	471172.37	3819945.94	0.000029292	1.23E-04	1.11E-05	2.44E-05	9.04E-05	7.95E-06	2.77E-06	1.58E-05	1.89E-06	2.51E-06	8.29E-06	5.72E-07
9168	471168.61	3819954.77	0.000029229	1.23E-04	1.11E-05	2.43E-05	9.02E-05	7.93E-06	2.76E-06	1.58E-05	1.89E-06	2.51E-06	8.27E-06	5.70E-07
9169	471164.85	3819963.6	0.000029162	1.22E-04	1.10E-05	2.43E-05	9.00E-05	7.92E-06	2.75E-06	1.58E-05	1.88E-06	2.50E-06	8.25E-06	5.69E-07
9170	471161.09	3819972.43	0.000029094	1.22E-04	1.10E-05	2.42E-05	8.98E-05	7.90E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.24E-06	5.68E-07
9171	471157.33	3819981.26	0.000029022	1.22E-04	1.10E-05	2.42E-05	8.96E-05	7.88E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.22E-06	5.66E-07
9172	471153.57	3819990.09	0.00002895	1.22E-04	1.09E-05	2.41E-05	8.93E-05	7.86E-06	2.73E-06	1.57E-05	1.87E-06	2.49E-06	8.19E-06	5.65E-07
9173	471149.81	3819998.92	0.000028878	1.21E-04	1.09E-05	2.41E-05	8.91E-05	7.84E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.17E-06	5.63E-07
9174	471146.05	3820007.75	0.000028806	1.21E-04	1.09E-05	2.40E-05	8.89E-05	7.82E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.15E-06	5.62E-07
9175	471142.29	3820016.58	0.000028734	1.21E-04	1.09E-05	2.39E-05	8.87E-05	7.80E-06	2.71E-06	1.55E-05	1.85E-06	2.47E-06	8.13E-06	5.61E-07
9176	471138.53	3820025.41	0.000028661	1.20E-04	1.08E-05	2.39E-05	8.84E-05	7.78E-06	2.71E-06	1.55E-05	1.85E-06	2.46E-06	8.11E-06	5.59E-07
9177	471134.77	3820034.24	0.000028589	1.20E-04	1.08E-05	2.38E-05	8.82E-05	7.76E-06	2.70E-06	1.55E-05	1.84E-06	2.45E-06	8.09E-06	5.58E-07
9178	471131	3820043.08	0.000028512	1.20E-04	1.08E-05	2.37E-05	8.80E-05	7.74E-06	2.69E-06	1.54E-05	1.84E-06	2.45E-06	8.07E-06	5.56E-07
9179	471127.24	3820051.91	0.00002843	1.19E-04	1.08E-05	2.37E-05	8.77E-05	7.72E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
9180	471123.48	3820060.74	0.000028353	1.19E-04	1.07E-05	2.36E-05	8.75E-05	7.70E-06	2.68E-06	1.53E-05	1.83E-06	2.43E-06	8.03E-06	5.53E-07
9181	471119.72	3820069.57	0.000028276	1.19E-04	1.07E-05	2.36E-05	8.73E-05	7.68E-06	2.67E-06	1.53E-05	1.82E-06	2.43E-06	8.00E-06	5.52E-07
9182	471115.96	3820078.4	0.0000282	1.18E-04	1.07E-05	2.35E-05	8.70E-05	7.66E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
9183	471112.2	3820087.23	0.000028123	1.18E-04	1.06E-05	2.34E-05	8.68E-05	7.63E-06	2.66E-06	1.52E-05	1.81E-06	2.41E-06	7.96E-06	5.49E-07
9184	471108.44	3820096.06	0.000028041	1.18E-04	1.06E-05	2.34E-05	8.65E-05	7.61E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.94E-06	5.47E-07
9185	471104.68	3820104.89	0.000027954	1.17E-04	1.06E-05	2.33E-05	8.63E-05	7.59E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.91E-06	5.45E-07
9186	471100.92	3820113.72	0.000027863	1.17E-04	1.05E-05	2.32E-05	8.60E-05	7.56E-06	2.63E-06	1.51E-05	1.80E-06	2.39E-06	7.89E-06	5.44E-07
9187	471097.16	3820122.55	0.000027771	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
9188	471093.4	3820131.38	0.000027675	1.16E-04	1.05E-05	2.31E-05	8.54E-05	7.51E-06	2.61E-06	1.50E-05	1.78E-06	2.38E-06	7.83E-06	5.40E-07
9189	471089.64	3820140.21	0.000027579	1.16E-04	1.04E-05	2.30E-05	8.51E-05	7.49E-06	2.60E-06	1.49E-05	1.78E-06	2.37E-06	7.81E-06	5.38E-07
9190	471085.88	3820149.04	0.000027483	1.15E-04	1.04E-05	2.29E-05	8.48E-05	7.46E-06	2.60E-06	1.49E-05	1.77E-06	2.36E-06	7.78E-06	5.36E-07
9191	471082.12	3820157.87	0.000027387	1.15E-04	1.04E-05	2.28E-05	8.45E-05	7.43E-06	2.59E-06	1.48E-05	1.77E-06	2.35E-06	7.75E-06	5.34E-07
9192	471078.36	3820166.7	0.000027281	1.15E-04	1.03E-05	2.27E-05	8.42E-05	7.41E-06	2.58E-06	1.47E-05	1.76E-06	2.34E-06	7.72E-06	5.32E-07
9193	471074.59	3820175.53	0.000027175	1.14E-04	1.03E-05	2.26E-05	8.39E-05	7.38E-06	2.57E-06	1.47E-05	1.75E-06	2.33E-06	7.69E-06	5.30E-07
9194	471070.83	3820184.36	0.000027064	1.14E-04	1.02E-05	2.25E-05	8.35E-05	7.35E-06	2.56E-06	1.46E-05	1.75E-06	2.32E-06	7.66E-06	5.28E-07
9195	471067.07	3820193.19	0.000026944	1.13E-04	1.02E-05	2.24E-05	8.31E-05	7.31E-06	2.54E-06	1.46E-05	1.74E-06	2.31E-06	7.63E-06	5.26E-07
9196	471063.31	3820202.02	0.000026824	1.13E-04	1.01E-05	2.23E-05	8.28E-05	7.28E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.59E-06	5.23E-07
9197	471059.55	3820210.85	0.000026694	1.12E-04	1.01E-05	2.22E-05	8.24E-05	7.25E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.56E-06	5.21E-07
9198	471055.79	3820219.69	0.000026569	1.12E-04	1.00E-05	2.21E-05	8.20E-05	7.21E-06	2.51E-06	1.44E-05	1.71E-06	2.28E-06	7.52E-06	5.18E-07

9199	471052.03	3820228.52	0.000026444	1.11E-04	1.00E-05	2.20E-05	8.16E-05	7.18E-06	2.50E-06	1.43E-05	1.71E-06	2.27E-06	7.49E-06	5.16E-07
9200	471039.36	3820240.91	0.000026477	1.11E-04	1.00E-05	2.21E-05	8.17E-05	7.19E-06	2.50E-06	1.43E-05	1.71E-06	2.27E-06	7.49E-06	5.17E-07
9201	471030.44	3820244.47	0.000026641	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
9202	471021.53	3820248.03	0.0000268	1.13E-04	1.01E-05	2.23E-05	8.27E-05	7.27E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.59E-06	5.23E-07
9203	471012.62	3820251.59	0.000026954	1.13E-04	1.02E-05	2.25E-05	8.32E-05	7.32E-06	2.55E-06	1.46E-05	1.74E-06	2.31E-06	7.63E-06	5.26E-07
9204	471003.71	3820255.15	0.000027108	1.14E-04	1.03E-05	2.26E-05	8.37E-05	7.36E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.67E-06	5.29E-07
9205	470994.79	3820258.71	0.000027257	1.14E-04	1.03E-05	2.27E-05	8.41E-05	7.40E-06	2.57E-06	1.47E-05	1.76E-06	2.34E-06	7.72E-06	5.32E-07
9206	470968.05	3820269.4	0.00002769	1.16E-04	1.05E-05	2.31E-05	8.54E-05	7.52E-06	2.61E-06	1.50E-05	1.79E-06	2.38E-06	7.84E-06	5.40E-07
9207	470959.14	3820272.96	0.000027844	1.17E-04	1.05E-05	2.32E-05	8.59E-05	7.56E-06	2.63E-06	1.51E-05	1.80E-06	2.39E-06	7.88E-06	5.43E-07
9208	470950.23	3820276.52	0.000027997	1.18E-04	1.06E-05	2.33E-05	8.64E-05	7.60E-06	2.64E-06	1.51E-05	1.81E-06	2.40E-06	7.93E-06	5.46E-07
9209	470941.32	3820280.08	0.000028142	1.18E-04	1.06E-05	2.34E-05	8.68E-05	7.64E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.97E-06	5.49E-07
9210	470932.4	3820283.64	0.000028286	1.19E-04	1.07E-05	2.36E-05	8.73E-05	7.68E-06	2.67E-06	1.53E-05	1.82E-06	2.43E-06	8.01E-06	5.52E-07
9211	470923.49	3820287.2	0.00002843	1.19E-04	1.08E-05	2.37E-05	8.77E-05	7.72E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
9212	470914.58	3820290.76	0.00002857	1.20E-04	1.08E-05	2.38E-05	8.82E-05	7.76E-06	2.70E-06	1.54E-05	1.84E-06	2.45E-06	8.09E-06	5.57E-07
9213	470905.66	3820294.32	0.000028719	1.21E-04	1.09E-05	2.39E-05	8.86E-05	7.80E-06	2.71E-06	1.55E-05	1.85E-06	2.47E-06	8.13E-06	5.60E-07
9214	470896.75	3820297.89	0.000028868	1.21E-04	1.09E-05	2.40E-05	8.91E-05	7.84E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.17E-06	5.63E-07
9215	470887.84	3820301.45	0.000029027	1.22E-04	1.10E-05	2.42E-05	8.96E-05	7.88E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.22E-06	5.66E-07
9216	470878.93	3820305.01	0.000029195	1.23E-04	1.10E-05	2.43E-05	9.01E-05	7.93E-06	2.76E-06	1.58E-05	1.88E-06	2.51E-06	8.26E-06	5.70E-07
9217	470870.01	3820308.57	0.000029364	1.23E-04	1.11E-05	2.45E-05	9.06E-05	7.97E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.31E-06	5.73E-07
9218	470861.1	3820312.13	0.000029542	1.24E-04	1.12E-05	2.46E-05	9.12E-05	8.02E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.36E-06	5.76E-07
9219	470852.19	3820315.69	0.000029729	1.25E-04	1.12E-05	2.48E-05	9.17E-05	8.07E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.42E-06	5.80E-07
9220	470843.27	3820319.25	0.000029922	1.26E-04	1.13E-05	2.49E-05	9.23E-05	8.12E-06	2.83E-06	1.62E-05	1.93E-06	2.57E-06	8.47E-06	5.84E-07
9221	470834.36	3820322.81	0.000030124	1.27E-04	1.14E-05	2.51E-05	9.30E-05	8.18E-06	2.84E-06	1.63E-05	1.94E-06	2.59E-06	8.53E-06	5.88E-07
9222	470763.06	3820351.3	0.000032072	1.35E-04	1.21E-05	2.67E-05	9.90E-05	8.71E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.08E-06	6.26E-07
9223	470754.15	3820354.86	0.000032375	1.36E-04	1.22E-05	2.70E-05	9.99E-05	8.79E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.16E-06	6.32E-07
9224	470745.23	3820358.42	0.000032693	1.37E-04	1.24E-05	2.72E-05	1.01E-04	8.87E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.25E-06	6.38E-07
9225	470736.32	3820361.99	0.00003301	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.96E-06	3.12E-06	1.78E-05	2.13E-06	2.83E-06	9.34E-06	6.44E-07
9226	470727.41	3820365.55	0.000033332	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.05E-06	3.15E-06	1.80E-05	2.15E-06	2.86E-06	9.44E-06	6.50E-07
9227	470718.49	3820369.11	0.00003366	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.14E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.53E-06	6.57E-07
9228	470709.58	3820372.67	0.000034001	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.23E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.62E-06	6.63E-07
9229	470700.67	3820376.23	0.000034371	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.33E-06	3.25E-06	1.86E-05	2.22E-06	2.95E-06	9.73E-06	6.71E-07
9230	470691.76	3820379.79	0.000034742	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.43E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.78E-07
9231	470682.84	3820383.35	0.000035127	1.48E-04	1.33E-05	2.93E-05	1.08E-04	9.54E-06	3.32E-06	1.90E-05	2.27E-06	3.02E-06	9.94E-06	6.85E-07
9232	470673.93	3820386.91	0.000035526	1.49E-04	1.34E-05	2.96E-05	1.10E-04	9.64E-06	3.35E-06	1.92E-05	2.29E-06	3.05E-06	1.01E-05	6.93E-07
9233	470665.02	3820390.47	0.000035935	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.75E-06	3.39E-06	1.94E-05	2.32E-06	3.08E-06	1.02E-05	7.01E-07
9234	470656.1	3820394.03	0.000036349	1.53E-04	1.37E-05	3.03E-05	1.12E-04	9.87E-06	3.43E-06	1.97E-05	2.34E-06	3.12E-06	1.03E-05	7.09E-07
9235	470647.19	3820397.6	0.000036758	1.54E-04	1.39E-05	3.06E-05	1.13E-04	9.98E-06	3.47E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.17E-07
9236	470638.28	3820401.16	0.000037152	1.56E-04	1.41E-05	3.09E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.25E-07
9237	470629.37	3820404.72	0.000037546	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.33E-07
9238	470620.45	3820408.28	0.000037941	1.59E-04	1.43E-05	3.16E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.45E-06	3.26E-06	1.07E-05	7.40E-07
9239	470611.54	3820411.84	0.000038335	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.62E-06	2.07E-05	2.47E-06	3.29E-06	1.09E-05	7.48E-07
9240	470602.63	3820415.4	0.000038715	1.63E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.66E-06	2.09E-05	2.50E-06	3.32E-06	1.10E-05	7.55E-07
9241	470593.71	3820418.96	0.000039091	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.36E-06	1.11E-05	7.63E-07

9242	470584.8	3820422.52	0.000039447	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.54E-06	3.39E-06	1.12E-05	7.70E-07
9243	470575.89	3820426.08	0.000039788	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.76E-07
9244	470566.98	3820429.65	0.00004013	1.69E-04	1.52E-05	3.34E-05	1.24E-04	1.09E-05	3.79E-06	2.17E-05	2.59E-06	3.45E-06	1.14E-05	7.83E-07
9245	470558.06	3820433.21	0.000040452	1.70E-04	1.53E-05	3.37E-05	1.25E-04	1.10E-05	3.82E-06	2.19E-05	2.61E-06	3.47E-06	1.15E-05	7.89E-07
9246	470549.15	3820436.77	0.000040765	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.20E-05	2.63E-06	3.50E-06	1.15E-05	7.95E-07
9247	470540.24	3820440.33	0.000041063	1.72E-04	1.55E-05	3.42E-05	1.27E-04	1.11E-05	3.88E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.01E-07
9248	470531.32	3820443.89	0.000041347	1.74E-04	1.56E-05	3.44E-05	1.28E-04	1.12E-05	3.90E-06	2.24E-05	2.67E-06	3.55E-06	1.17E-05	8.07E-07
9249	470522.41	3820447.45	0.000041611	1.75E-04	1.57E-05	3.47E-05	1.28E-04	1.13E-05	3.93E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.12E-07
9250	470513.5	3820451.01	0.000041862	1.76E-04	1.58E-05	3.49E-05	1.29E-04	1.14E-05	3.95E-06	2.26E-05	2.70E-06	3.59E-06	1.18E-05	8.17E-07
9251	470504.59	3820454.57	0.000042097	1.77E-04	1.59E-05	3.51E-05	1.30E-04	1.14E-05	3.98E-06	2.28E-05	2.72E-06	3.61E-06	1.19E-05	8.21E-07
9252	470495.67	3820458.13	0.000042314	1.78E-04	1.60E-05	3.52E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.63E-06	1.20E-05	8.26E-07
9253	470486.76	3820461.7	0.000042511	1.79E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.01E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.29E-07
9254	470477.85	3820465.26	0.000042689	1.79E-04	1.61E-05	3.56E-05	1.32E-04	1.16E-05	4.03E-06	2.31E-05	2.75E-06	3.66E-06	1.21E-05	8.33E-07
9255	470468.93	3820468.82	0.000042848	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.76E-06	3.68E-06	1.21E-05	8.36E-07
9256	470460.02	3820472.38	0.000042992	1.81E-04	1.63E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.39E-07
9257	470451.11	3820475.94	0.000043127	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.42E-07
9258	470442.2	3820479.5	0.000043261	1.82E-04	1.64E-05	3.60E-05	1.33E-04	1.17E-05	4.09E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.44E-07
9259	470433.28	3820483.06	0.000043372	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.10E-06	2.34E-05	2.80E-06	3.72E-06	1.23E-05	8.46E-07
9260	470424.37	3820486.62	0.000043468	1.83E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.48E-07
9261	470415.46	3820490.18	0.00004356	1.83E-04	1.65E-05	3.63E-05	1.34E-04	1.18E-05	4.11E-06	2.35E-05	2.81E-06	3.74E-06	1.23E-05	8.50E-07
9262	470406.54	3820493.75	0.000043656	1.83E-04	1.65E-05	3.64E-05	1.35E-04	1.19E-05	4.12E-06	2.36E-05	2.82E-06	3.75E-06	1.24E-05	8.52E-07
9263	470397.63	3820497.31	0.000043771	1.84E-04	1.66E-05	3.65E-05	1.35E-04	1.19E-05	4.13E-06	2.37E-05	2.82E-06	3.76E-06	1.24E-05	8.54E-07
9264	470388.72	3820500.87	0.000043887	1.84E-04	1.66E-05	3.66E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.77E-06	1.24E-05	8.56E-07
9265	470379.81	3820504.43	0.000044012	1.85E-04	1.66E-05	3.67E-05	1.36E-04	1.19E-05	4.16E-06	2.38E-05	2.84E-06	3.78E-06	1.25E-05	8.59E-07
9266	470370.89	3820507.99	0.000044142	1.85E-04	1.67E-05	3.68E-05	1.36E-04	1.20E-05	4.17E-06	2.39E-05	2.85E-06	3.79E-06	1.25E-05	8.61E-07
9267	470361.98	3820511.55	0.000044276	1.86E-04	1.67E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.39E-05	2.86E-06	3.80E-06	1.25E-05	8.64E-07
9268	470353.07	3820515.11	0.000044406	1.86E-04	1.68E-05	3.70E-05	1.37E-04	1.21E-05	4.19E-06	2.40E-05	2.86E-06	3.81E-06	1.26E-05	8.66E-07
9269	470344.15	3820518.67	0.000044517	1.87E-04	1.68E-05	3.71E-05	1.37E-04	1.21E-05	4.20E-06	2.41E-05	2.87E-06	3.82E-06	1.26E-05	8.69E-07
9270	470335.24	3820522.23	0.000044623	1.87E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.21E-06	2.41E-05	2.88E-06	3.83E-06	1.26E-05	8.71E-07
9271	470326.33	3820525.8	0.000044738	1.88E-04	1.69E-05	3.73E-05	1.38E-04	1.21E-05	4.22E-06	2.42E-05	2.89E-06	3.84E-06	1.27E-05	8.73E-07
9272	470317.42	3820529.36	0.000044863	1.88E-04	1.70E-05	3.74E-05	1.38E-04	1.22E-05	4.24E-06	2.43E-05	2.89E-06	3.85E-06	1.27E-05	8.75E-07
9273	470308.5	3820532.92	0.000044988	1.89E-04	1.70E-05	3.75E-05	1.39E-04	1.22E-05	4.25E-06	2.43E-05	2.90E-06	3.86E-06	1.27E-05	8.78E-07
9274	470299.59	3820536.48	0.000045113	1.89E-04	1.71E-05	3.76E-05	1.39E-04	1.22E-05	4.26E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.80E-07
9275	470290.68	3820540.04	0.000045243	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.27E-06	2.45E-05	2.92E-06	3.88E-06	1.28E-05	8.83E-07
9276	470281.76	3820543.6	0.000045388	1.91E-04	1.72E-05	3.78E-05	1.40E-04	1.23E-05	4.29E-06	2.45E-05	2.93E-06	3.90E-06	1.28E-05	8.86E-07
9277	470272.85	3820547.16	0.000045522	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.24E-05	4.30E-06	2.46E-05	2.94E-06	3.91E-06	1.29E-05	8.88E-07
9278	471379.21	3819460.26	0.00002462	1.03E-04	9.31E-06	2.05E-05	7.60E-05	6.68E-06	2.32E-06	1.33E-05	1.59E-06	2.11E-06	6.97E-06	4.80E-07
9279	471379.29	3819450.61	0.000024553	1.03E-04	9.29E-06	2.05E-05	7.58E-05	6.67E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.95E-06	4.79E-07
9280	471379.38	3819440.97	0.000024481	1.03E-04	9.26E-06	2.04E-05	7.55E-05	6.65E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.93E-06	4.78E-07
9281	471379.46	3819431.32	0.000024394	1.02E-04	9.23E-06	2.03E-05	7.53E-05	6.62E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.91E-06	4.76E-07
9282	471379.54	3819421.67	0.000024303	1.02E-04	9.19E-06	2.02E-05	7.50E-05	6.60E-06	2.29E-06	1.31E-05	1.57E-06	2.09E-06	6.88E-06	4.74E-07
9283	471379.62	3819412.02	0.000024202	1.02E-04	9.15E-06	2.02E-05	7.47E-05	6.57E-06	2.29E-06	1.31E-05	1.56E-06	2.08E-06	6.85E-06	4.72E-07
9284	471379.71	3819402.37	0.000024091	1.01E-04	9.11E-06	2.01E-05	7.43E-05	6.54E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.82E-06	4.70E-07

9285	471379.79	3819392.72	0.000023971	1.01E-04	9.07E-06	2.00E-05	7.40E-05	6.51E-06	2.26E-06	1.30E-05	1.55E-06	2.06E-06	6.79E-06	4.68E-07
9286	471379.87	3819383.08	0.000023846	1.00E-04	9.02E-06	1.99E-05	7.36E-05	6.47E-06	2.25E-06	1.29E-05	1.54E-06	2.05E-06	6.75E-06	4.65E-07
9287	471379.95	3819373.43	0.000023706	9.96E-05	8.97E-06	1.97E-05	7.32E-05	6.44E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.71E-06	4.63E-07
9288	471380.04	3819363.78	0.000023557	9.89E-05	8.91E-06	1.96E-05	7.27E-05	6.39E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.67E-06	4.60E-07
9289	471380.12	3819354.13	0.000023399	9.83E-05	8.85E-06	1.95E-05	7.22E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.57E-07
9290	471380.2	3819344.48	0.00002323	9.76E-05	8.79E-06	1.93E-05	7.17E-05	6.31E-06	2.19E-06	1.26E-05	1.50E-06	1.99E-06	6.58E-06	4.53E-07
9291	471380.29	3819334.84	0.000023052	9.68E-05	8.72E-06	1.92E-05	7.11E-05	6.26E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.53E-06	4.50E-07
9292	471380.37	3819325.19	0.000022865	9.60E-05	8.65E-06	1.90E-05	7.06E-05	6.21E-06	2.16E-06	1.24E-05	1.47E-06	1.96E-06	6.47E-06	4.46E-07
9293	471380.62	3819296.24	0.000022244	9.34E-05	8.41E-06	1.85E-05	6.86E-05	6.04E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.30E-06	4.34E-07
9294	471380.7	3819286.59	0.000022018	9.25E-05	8.33E-06	1.83E-05	6.79E-05	5.98E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.23E-06	4.30E-07
9295	471380.78	3819276.95	0.000021782	9.15E-05	8.24E-06	1.81E-05	6.72E-05	5.91E-06	2.06E-06	1.18E-05	1.40E-06	1.87E-06	6.17E-06	4.25E-07
9296	471380.86	3819267.3	0.000021537	9.04E-05	8.15E-06	1.79E-05	6.65E-05	5.85E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.10E-06	4.20E-07
9297	471380.95	3819257.65	0.000021287	8.94E-05	8.05E-06	1.77E-05	6.57E-05	5.78E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.03E-06	4.15E-07
9298	471455.43	3819469.82	0.000021667	9.10E-05	8.19E-06	1.80E-05	6.69E-05	5.88E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.13E-06	4.23E-07
9299	471451.65	3819478.68	0.000021845	9.17E-05	8.26E-06	1.82E-05	6.74E-05	5.93E-06	2.06E-06	1.18E-05	1.41E-06	1.88E-06	6.18E-06	4.26E-07
9300	471447.88	3819487.55	0.000022013	9.24E-05	8.33E-06	1.83E-05	6.79E-05	5.98E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.23E-06	4.30E-07
9301	471444.1	3819496.42	0.000022182	9.32E-05	8.39E-06	1.85E-05	6.84E-05	6.02E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.28E-06	4.33E-07
9302	471440.32	3819505.29	0.00002235	9.39E-05	8.45E-06	1.86E-05	6.90E-05	6.07E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.33E-06	4.36E-07
9303	471436.55	3819514.16	0.000022513	9.45E-05	8.51E-06	1.88E-05	6.95E-05	6.11E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.37E-06	4.39E-07
9304	471432.77	3819523.02	0.000022677	9.52E-05	8.58E-06	1.89E-05	7.00E-05	6.16E-06	2.14E-06	1.23E-05	1.46E-06	1.95E-06	6.42E-06	4.42E-07
9305	471428.99	3819531.89	0.000022836	9.59E-05	8.64E-06	1.90E-05	7.05E-05	6.20E-06	2.16E-06	1.23E-05	1.47E-06	1.96E-06	6.46E-06	4.46E-07
9306	471425.22	3819540.76	0.00002299	9.65E-05	8.69E-06	1.91E-05	7.09E-05	6.24E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.51E-06	4.49E-07
9307	471421.44	3819549.63	0.000023144	9.72E-05	8.75E-06	1.93E-05	7.14E-05	6.28E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.55E-06	4.52E-07
9308	471417.66	3819558.5	0.000023293	9.78E-05	8.81E-06	1.94E-05	7.19E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.55E-07
9309	471413.89	3819567.36	0.000023442	9.84E-05	8.87E-06	1.95E-05	7.23E-05	6.36E-06	2.21E-06	1.27E-05	1.51E-06	2.01E-06	6.64E-06	4.57E-07
9310	471410.11	3819576.23	0.000023586	9.91E-05	8.92E-06	1.96E-05	7.28E-05	6.40E-06	2.23E-06	1.28E-05	1.52E-06	2.02E-06	6.68E-06	4.60E-07
9311	471406.33	3819585.1	0.000023731	9.97E-05	8.97E-06	1.98E-05	7.32E-05	6.44E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.72E-06	4.63E-07
9312	471402.56	3819593.97	0.000023875	1.00E-04	9.03E-06	1.99E-05	7.37E-05	6.48E-06	2.25E-06	1.29E-05	1.54E-06	2.05E-06	6.76E-06	4.66E-07
9313	471387.45	3819629.44	0.000024418	1.03E-04	9.23E-06	2.03E-05	7.54E-05	6.63E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.91E-06	4.76E-07
9314	471383.67	3819638.31	0.000024548	1.03E-04	9.28E-06	2.04E-05	7.58E-05	6.66E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.95E-06	4.79E-07
9315	471379.9	3819647.18	0.000024678	1.04E-04	9.33E-06	2.06E-05	7.62E-05	6.70E-06	2.33E-06	1.33E-05	1.59E-06	2.12E-06	6.99E-06	4.82E-07
9316	471376.12	3819656.05	0.000024798	1.04E-04	9.38E-06	2.07E-05	7.65E-05	6.73E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.02E-06	4.84E-07
9317	471372.34	3819664.91	0.000024924	1.05E-04	9.43E-06	2.08E-05	7.69E-05	6.77E-06	2.35E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.86E-07
9318	471368.57	3819673.78	0.000025039	1.05E-04	9.47E-06	2.09E-05	7.73E-05	6.80E-06	2.36E-06	1.35E-05	1.62E-06	2.15E-06	7.09E-06	4.89E-07
9319	471364.79	3819682.65	0.000025154	1.06E-04	9.51E-06	2.10E-05	7.76E-05	6.83E-06	2.38E-06	1.36E-05	1.62E-06	2.16E-06	7.12E-06	4.91E-07
9320	471361.01	3819691.52	0.000025265	1.06E-04	9.56E-06	2.10E-05	7.80E-05	6.86E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.15E-06	4.93E-07
9321	471357.24	3819700.39	0.000025371	1.07E-04	9.60E-06	2.11E-05	7.83E-05	6.89E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.18E-06	4.95E-07
9322	471353.46	3819709.25	0.000025472	1.07E-04	9.63E-06	2.12E-05	7.86E-05	6.91E-06	2.41E-06	1.38E-05	1.64E-06	2.19E-06	7.21E-06	4.97E-07
9323	471349.68	3819718.12	0.000025568	1.07E-04	9.67E-06	2.13E-05	7.89E-05	6.94E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.24E-06	4.99E-07
9324	471345.91	3819726.99	0.00002566	1.08E-04	9.70E-06	2.14E-05	7.92E-05	6.97E-06	2.42E-06	1.39E-05	1.66E-06	2.20E-06	7.26E-06	5.01E-07
9325	471342.13	3819735.86	0.000025746	1.08E-04	9.74E-06	2.14E-05	7.94E-05	6.99E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.29E-06	5.02E-07
9326	471338.35	3819744.73	0.000025828	1.08E-04	9.77E-06	2.15E-05	7.97E-05	7.01E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.31E-06	5.04E-07
9327	471334.58	3819753.59	0.000025905	1.09E-04	9.80E-06	2.16E-05	7.99E-05	7.03E-06	2.45E-06	1.40E-05	1.67E-06	2.22E-06	7.33E-06	5.05E-07

9328	471330.8	3819762.46	0.000025972	1.09E-04	9.82E-06	2.16E-05	8.01E-05	7.05E-06	2.45E-06	1.40E-05	1.68E-06	2.23E-06	7.35E-06	5.07E-07
9329	471327.02	3819771.33	0.000026035	1.09E-04	9.85E-06	2.17E-05	8.03E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.37E-06	5.08E-07
9330	471323.25	3819780.2	0.000026092	1.10E-04	9.87E-06	2.17E-05	8.05E-05	7.08E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.39E-06	5.09E-07
9331	471319.47	3819789.07	0.000026145	1.10E-04	9.89E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.24E-06	7.40E-06	5.10E-07
9332	471315.69	3819797.93	0.000026189	1.10E-04	9.90E-06	2.18E-05	8.08E-05	7.11E-06	2.47E-06	1.42E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
9333	471311.92	3819806.8	0.000026227	1.10E-04	9.92E-06	2.18E-05	8.09E-05	7.12E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.42E-06	5.12E-07
9334	471308.14	3819815.67	0.000026261	1.10E-04	9.93E-06	2.19E-05	8.10E-05	7.13E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.43E-06	5.12E-07
9335	471304.36	3819824.54	0.000026285	1.10E-04	9.94E-06	2.19E-05	8.11E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.44E-06	5.13E-07
9336	471300.59	3819833.41	0.000026304	1.10E-04	9.95E-06	2.19E-05	8.12E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.13E-07
9337	471296.81	3819842.28	0.000026314	1.11E-04	9.95E-06	2.19E-05	8.12E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.13E-07
9338	471293.03	3819851.14	0.000026323	1.11E-04	9.96E-06	2.19E-05	8.12E-05	7.15E-06	2.49E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.14E-07
9339	471289.26	3819860.01	0.000026323	1.11E-04	9.96E-06	2.19E-05	8.12E-05	7.15E-06	2.49E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.14E-07
9340	471285.48	3819868.88	0.000026314	1.11E-04	9.95E-06	2.19E-05	8.12E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.13E-07
9341	471281.7	3819877.75	0.000026304	1.10E-04	9.95E-06	2.19E-05	8.12E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.13E-07
9342	471277.93	3819886.62	0.00002629	1.10E-04	9.94E-06	2.19E-05	8.11E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.44E-06	5.13E-07
9343	471274.15	3819895.48	0.000026266	1.10E-04	9.93E-06	2.19E-05	8.10E-05	7.13E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.43E-06	5.13E-07
9344	471270.37	3819904.35	0.000026242	1.10E-04	9.92E-06	2.19E-05	8.10E-05	7.12E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.43E-06	5.12E-07
9345	471266.6	3819913.22	0.000026213	1.10E-04	9.91E-06	2.18E-05	8.09E-05	7.12E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.42E-06	5.11E-07
9346	471262.82	3819922.09	0.000026179	1.10E-04	9.90E-06	2.18E-05	8.08E-05	7.11E-06	2.47E-06	1.42E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
9347	471259.04	3819930.96	0.000026141	1.10E-04	9.89E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.24E-06	7.40E-06	5.10E-07
9348	471255.27	3819939.82	0.000026097	1.10E-04	9.87E-06	2.17E-05	8.05E-05	7.08E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.39E-06	5.09E-07
9349	471251.49	3819948.69	0.000026049	1.09E-04	9.85E-06	2.17E-05	8.04E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.37E-06	5.08E-07
9350	471247.71	3819957.56	0.000026006	1.09E-04	9.84E-06	2.17E-05	8.02E-05	7.06E-06	2.46E-06	1.41E-05	1.68E-06	2.23E-06	7.36E-06	5.07E-07
9351	471243.94	3819966.43	0.000025958	1.09E-04	9.82E-06	2.16E-05	8.01E-05	7.05E-06	2.45E-06	1.40E-05	1.67E-06	2.23E-06	7.35E-06	5.07E-07
9352	471240.16	3819975.3	0.00002591	1.09E-04	9.80E-06	2.16E-05	8.00E-05	7.03E-06	2.45E-06	1.40E-05	1.67E-06	2.22E-06	7.33E-06	5.06E-07
9353	471236.38	3819984.16	0.000025857	1.09E-04	9.78E-06	2.15E-05	7.98E-05	7.02E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.32E-06	5.05E-07
9354	471232.61	3819993.03	0.000025804	1.08E-04	9.76E-06	2.15E-05	7.96E-05	7.00E-06	2.44E-06	1.39E-05	1.66E-06	2.22E-06	7.30E-06	5.04E-07
9355	471228.83	3820001.9	0.000025751	1.08E-04	9.74E-06	2.14E-05	7.95E-05	6.99E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.29E-06	5.02E-07
9356	471225.05	3820010.77	0.000025698	1.08E-04	9.72E-06	2.14E-05	7.93E-05	6.98E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.27E-06	5.01E-07
9357	471221.28	3820019.64	0.000025645	1.08E-04	9.70E-06	2.14E-05	7.91E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.26E-06	5.00E-07
9358	471217.5	3820028.51	0.000025587	1.07E-04	9.68E-06	2.13E-05	7.90E-05	6.95E-06	2.42E-06	1.38E-05	1.65E-06	2.20E-06	7.24E-06	4.99E-07
9359	471213.72	3820037.37	0.000025534	1.07E-04	9.66E-06	2.13E-05	7.88E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.23E-06	4.98E-07
9360	471209.95	3820046.24	0.000025477	1.07E-04	9.64E-06	2.12E-05	7.86E-05	6.92E-06	2.41E-06	1.38E-05	1.64E-06	2.19E-06	7.21E-06	4.97E-07
9361	471206.17	3820055.11	0.000025414	1.07E-04	9.61E-06	2.12E-05	7.84E-05	6.90E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.19E-06	4.96E-07
9362	471202.39	3820063.98	0.000025356	1.06E-04	9.59E-06	2.11E-05	7.82E-05	6.88E-06	2.39E-06	1.37E-05	1.64E-06	2.18E-06	7.18E-06	4.95E-07
9363	471198.62	3820072.85	0.000025299	1.06E-04	9.57E-06	2.11E-05	7.81E-05	6.87E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.16E-06	4.94E-07
9364	471194.84	3820081.71	0.000025241	1.06E-04	9.55E-06	2.10E-05	7.79E-05	6.85E-06	2.38E-06	1.36E-05	1.63E-06	2.17E-06	7.14E-06	4.93E-07
9365	471191.06	3820090.58	0.000025183	1.06E-04	9.52E-06	2.10E-05	7.77E-05	6.84E-06	2.38E-06	1.36E-05	1.62E-06	2.16E-06	7.13E-06	4.91E-07
9366	471187.29	3820099.45	0.000025126	1.06E-04	9.50E-06	2.09E-05	7.75E-05	6.82E-06	2.37E-06	1.36E-05	1.62E-06	2.16E-06	7.11E-06	4.90E-07
9367	471183.51	3820108.32	0.000025068	1.05E-04	9.48E-06	2.09E-05	7.74E-05	6.80E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.89E-07
9368	471179.73	3820117.19	0.00002501	1.05E-04	9.46E-06	2.08E-05	7.72E-05	6.79E-06	2.36E-06	1.35E-05	1.61E-06	2.15E-06	7.08E-06	4.88E-07
9369	471175.96	3820126.05	0.000024948	1.05E-04	9.43E-06	2.08E-05	7.70E-05	6.77E-06	2.36E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.87E-07
9370	471172.18	3820134.92	0.000024885	1.05E-04	9.41E-06	2.07E-05	7.68E-05	6.76E-06	2.35E-06	1.35E-05	1.61E-06	2.14E-06	7.04E-06	4.86E-07

9371	471168.4	3820143.79	0.000024823	1.04E-04	9.39E-06	2.07E-05	7.66E-05	6.74E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.03E-06	4.84E-07
9372	471164.63	3820152.66	0.00002476	1.04E-04	9.36E-06	2.06E-05	7.64E-05	6.72E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.01E-06	4.83E-07
9373	471160.85	3820161.53	0.000024693	1.04E-04	9.34E-06	2.06E-05	7.62E-05	6.70E-06	2.33E-06	1.33E-05	1.59E-06	2.12E-06	6.99E-06	4.82E-07
9374	471157.07	3820170.39	0.000024616	1.03E-04	9.31E-06	2.05E-05	7.60E-05	6.68E-06	2.32E-06	1.33E-05	1.59E-06	2.11E-06	6.97E-06	4.80E-07
9375	471153.3	3820179.26	0.000024539	1.03E-04	9.28E-06	2.04E-05	7.57E-05	6.66E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.95E-06	4.79E-07
9376	471149.52	3820188.13	0.000024462	1.03E-04	9.25E-06	2.04E-05	7.55E-05	6.64E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.92E-06	4.77E-07
9377	471145.74	3820197	0.00002439	1.02E-04	9.22E-06	2.03E-05	7.53E-05	6.62E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.90E-06	4.76E-07
9378	471141.97	3820205.87	0.000024313	1.02E-04	9.19E-06	2.03E-05	7.50E-05	6.60E-06	2.30E-06	1.31E-05	1.57E-06	2.09E-06	6.88E-06	4.74E-07
9379	471138.19	3820214.73	0.000024231	1.02E-04	9.16E-06	2.02E-05	7.48E-05	6.58E-06	2.29E-06	1.31E-05	1.56E-06	2.08E-06	6.86E-06	4.73E-07
9380	471134.41	3820223.6	0.000024149	1.01E-04	9.13E-06	2.01E-05	7.45E-05	6.56E-06	2.28E-06	1.31E-05	1.56E-06	2.07E-06	6.84E-06	4.71E-07
9381	471130.64	3820232.47	0.000024062	1.01E-04	9.10E-06	2.00E-05	7.43E-05	6.53E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.81E-06	4.70E-07
9382	471126.86	3820241.34	0.000023976	1.01E-04	9.07E-06	2.00E-05	7.40E-05	6.51E-06	2.26E-06	1.30E-05	1.55E-06	2.06E-06	6.79E-06	4.68E-07
9383	471123.08	3820250.21	0.000023884	1.00E-04	9.03E-06	1.99E-05	7.37E-05	6.48E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.76E-06	4.66E-07
9384	471119.31	3820259.08	0.000023793	9.99E-05	9.00E-06	1.98E-05	7.34E-05	6.46E-06	2.25E-06	1.29E-05	1.53E-06	2.04E-06	6.73E-06	4.64E-07
9385	471115.53	3820267.94	0.000023697	9.95E-05	8.96E-06	1.97E-05	7.31E-05	6.43E-06	2.24E-06	1.28E-05	1.53E-06	2.03E-06	6.71E-06	4.62E-07
9386	471111.75	3820276.81	0.000023596	9.91E-05	8.92E-06	1.97E-05	7.28E-05	6.41E-06	2.23E-06	1.28E-05	1.52E-06	2.03E-06	6.68E-06	4.60E-07
9387	471107.98	3820285.68	0.000023495	9.87E-05	8.89E-06	1.96E-05	7.25E-05	6.38E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.65E-06	4.58E-07
9388	471095.25	3820298.12	0.000023528	9.88E-05	8.90E-06	1.96E-05	7.26E-05	6.39E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.66E-06	4.59E-07
9389	471086.3	3820301.7	0.000023668	9.94E-05	8.95E-06	1.97E-05	7.30E-05	6.42E-06	2.24E-06	1.28E-05	1.53E-06	2.03E-06	6.70E-06	4.62E-07
9390	471077.35	3820305.28	0.000023803	1.00E-04	9.00E-06	1.98E-05	7.35E-05	6.46E-06	2.25E-06	1.29E-05	1.54E-06	2.04E-06	6.74E-06	4.64E-07
9391	471068.4	3820308.85	0.000023933	1.01E-04	9.05E-06	1.99E-05	7.39E-05	6.50E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.77E-06	4.67E-07
9392	471059.44	3820312.43	0.000024058	1.01E-04	9.10E-06	2.00E-05	7.42E-05	6.53E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.81E-06	4.69E-07
9393	471050.49	3820316.01	0.000024183	1.02E-04	9.15E-06	2.01E-05	7.46E-05	6.56E-06	2.28E-06	1.31E-05	1.56E-06	2.08E-06	6.85E-06	4.72E-07
9394	471041.54	3820319.58	0.000024308	1.02E-04	9.19E-06	2.02E-05	7.50E-05	6.60E-06	2.30E-06	1.31E-05	1.57E-06	2.09E-06	6.88E-06	4.74E-07
9395	471032.59	3820323.16	0.000024423	1.03E-04	9.24E-06	2.03E-05	7.54E-05	6.63E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.91E-06	4.77E-07
9396	471023.64	3820326.73	0.000024544	1.03E-04	9.28E-06	2.04E-05	7.57E-05	6.66E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.95E-06	4.79E-07
9397	471014.69	3820330.31	0.000024659	1.04E-04	9.33E-06	2.05E-05	7.61E-05	6.69E-06	2.33E-06	1.33E-05	1.59E-06	2.12E-06	6.98E-06	4.81E-07
9398	471005.74	3820333.89	0.000024779	1.04E-04	9.37E-06	2.06E-05	7.65E-05	6.73E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.01E-06	4.84E-07
9399	470996.79	3820337.46	0.000024899	1.05E-04	9.42E-06	2.07E-05	7.68E-05	6.76E-06	2.35E-06	1.35E-05	1.61E-06	2.14E-06	7.05E-06	4.86E-07
9400	470987.84	3820341.04	0.00002502	1.05E-04	9.46E-06	2.08E-05	7.72E-05	6.79E-06	2.36E-06	1.35E-05	1.61E-06	2.15E-06	7.08E-06	4.88E-07
9401	470960.99	3820351.77	0.000025385	1.07E-04	9.60E-06	2.11E-05	7.83E-05	6.89E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.19E-06	4.95E-07
9402	470952.04	3820355.34	0.00002551	1.07E-04	9.65E-06	2.12E-05	7.87E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.22E-06	4.98E-07
9403	470943.08	3820358.92	0.00002564	1.08E-04	9.70E-06	2.14E-05	7.91E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.26E-06	5.00E-07
9404	470934.13	3820362.5	0.00002577	1.08E-04	9.75E-06	2.15E-05	7.95E-05	7.00E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.29E-06	5.03E-07
9405	470925.18	3820366.07	0.000025905	1.09E-04	9.80E-06	2.16E-05	7.99E-05	7.03E-06	2.45E-06	1.40E-05	1.67E-06	2.22E-06	7.33E-06	5.05E-07
9406	470916.23	3820369.65	0.000026044	1.09E-04	9.85E-06	2.17E-05	8.04E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.37E-06	5.08E-07
9407	470907.28	3820373.23	0.000026189	1.10E-04	9.90E-06	2.18E-05	8.08E-05	7.11E-06	2.47E-06	1.42E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
9408	470898.33	3820376.8	0.000026343	1.11E-04	9.96E-06	2.19E-05	8.13E-05	7.15E-06	2.49E-06	1.42E-05	1.70E-06	2.26E-06	7.46E-06	5.14E-07
9409	470889.38	3820380.38	0.000026497	1.11E-04	1.00E-05	2.21E-05	8.18E-05	7.19E-06	2.50E-06	1.43E-05	1.71E-06	2.27E-06	7.50E-06	5.17E-07
9410	470880.43	3820383.95	0.000026651	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
9411	470871.48	3820387.53	0.000026809	1.13E-04	1.01E-05	2.23E-05	8.27E-05	7.28E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.59E-06	5.23E-07
9412	470862.53	3820391.11	0.000026978	1.13E-04	1.02E-05	2.25E-05	8.32E-05	7.32E-06	2.55E-06	1.46E-05	1.74E-06	2.32E-06	7.64E-06	5.26E-07
9413	470790.92	3820419.72	0.000028724	1.21E-04	1.09E-05	2.39E-05	8.86E-05	7.80E-06	2.71E-06	1.55E-05	1.85E-06	2.47E-06	8.13E-06	5.60E-07

9414	470781.97	3820423.29	0.000028979	1.22E-04	1.10E-05	2.41E-05	8.94E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.20E-06	5.65E-07
9415	470773.02	3820426.87	0.000029239	1.23E-04	1.11E-05	2.44E-05	9.02E-05	7.94E-06	2.76E-06	1.58E-05	1.89E-06	2.51E-06	8.28E-06	5.71E-07
9416	470764.07	3820430.45	0.000029518	1.24E-04	1.12E-05	2.46E-05	9.11E-05	8.01E-06	2.79E-06	1.60E-05	1.90E-06	2.53E-06	8.36E-06	5.76E-07
9417	470755.12	3820434.02	0.000029806	1.25E-04	1.13E-05	2.48E-05	9.20E-05	8.09E-06	2.81E-06	1.61E-05	1.92E-06	2.56E-06	8.44E-06	5.82E-07
9418	470746.17	3820437.6	0.000030105	1.26E-04	1.14E-05	2.51E-05	9.29E-05	8.17E-06	2.84E-06	1.63E-05	1.94E-06	2.58E-06	8.52E-06	5.87E-07
9419	470737.22	3820441.17	0.000030403	1.28E-04	1.15E-05	2.53E-05	9.38E-05	8.25E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.61E-06	5.93E-07
9420	470728.27	3820444.75	0.000030711	1.29E-04	1.16E-05	2.56E-05	9.48E-05	8.34E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.69E-06	5.99E-07
9421	470719.31	3820448.33	0.000031023	1.30E-04	1.17E-05	2.58E-05	9.57E-05	8.42E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.78E-06	6.05E-07
9422	470710.36	3820451.9	0.00003135	1.32E-04	1.19E-05	2.61E-05	9.67E-05	8.51E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.87E-06	6.12E-07
9423	470701.41	3820455.48	0.000031702	1.33E-04	1.20E-05	2.64E-05	9.78E-05	8.61E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.97E-06	6.19E-07
9424	470692.46	3820459.06	0.000032058	1.35E-04	1.21E-05	2.67E-05	9.89E-05	8.70E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.07E-06	6.26E-07
9425	470683.51	3820462.63	0.000032418	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.18E-06	6.33E-07
9426	470674.56	3820466.21	0.000032774	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.90E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.28E-06	6.40E-07
9427	470665.61	3820469.78	0.000033126	1.39E-04	1.25E-05	2.76E-05	1.02E-04	8.99E-06	3.13E-06	1.79E-05	2.14E-06	2.84E-06	9.38E-06	6.46E-07
9428	470656.66	3820473.36	0.000033467	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.47E-06	6.53E-07
9429	470647.71	3820476.94	0.000033809	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.18E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.57E-06	6.60E-07
9430	470638.76	3820480.51	0.00003415	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.22E-06	1.85E-05	2.20E-06	2.93E-06	9.67E-06	6.66E-07
9431	470629.81	3820484.09	0.000034487	1.45E-04	1.30E-05	2.87E-05	1.06E-04	9.36E-06	3.26E-06	1.86E-05	2.22E-06	2.96E-06	9.76E-06	6.73E-07
9432	470620.86	3820487.67	0.000034824	1.46E-04	1.32E-05	2.90E-05	1.07E-04	9.45E-06	3.29E-06	1.88E-05	2.25E-06	2.99E-06	9.86E-06	6.80E-07
9433	470611.91	3820491.24	0.000035132	1.48E-04	1.33E-05	2.93E-05	1.08E-04	9.54E-06	3.32E-06	1.90E-05	2.27E-06	3.02E-06	9.94E-06	6.85E-07
9434	470602.95	3820494.82	0.00003543	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.62E-06	3.35E-06	1.92E-05	2.29E-06	3.04E-06	1.00E-05	6.91E-07
9435	470594	3820498.39	0.000035718	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.70E-06	3.37E-06	1.93E-05	2.30E-06	3.07E-06	1.01E-05	6.97E-07
9436	470585.05	3820501.97	0.000035997	1.51E-04	1.36E-05	3.00E-05	1.11E-04	9.77E-06	3.40E-06	1.95E-05	2.32E-06	3.09E-06	1.02E-05	7.02E-07
9437	470576.1	3820505.55	0.000036262	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.84E-06	3.42E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.08E-07
9438	470567.15	3820509.12	0.000036512	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.91E-06	3.45E-06	1.97E-05	2.36E-06	3.13E-06	1.03E-05	7.12E-07
9439	470558.2	3820512.7	0.000036753	1.54E-04	1.39E-05	3.06E-05	1.13E-04	9.98E-06	3.47E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.17E-07
9440	470549.25	3820516.28	0.000036979	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.49E-06	2.00E-05	2.39E-06	3.17E-06	1.05E-05	7.22E-07
9441	470540.3	3820519.85	0.00003719	1.56E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.26E-07
9442	470531.35	3820523.43	0.000037388	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.53E-06	2.02E-05	2.41E-06	3.21E-06	1.06E-05	7.30E-07
9443	470522.4	3820527	0.000037571	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.42E-06	3.23E-06	1.06E-05	7.33E-07
9444	470513.45	3820530.58	0.000037739	1.58E-04	1.43E-05	3.14E-05	1.16E-04	1.02E-05	3.56E-06	2.04E-05	2.43E-06	3.24E-06	1.07E-05	7.36E-07
9445	470504.5	3820534.16	0.000037898	1.59E-04	1.43E-05	3.16E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.44E-06	3.25E-06	1.07E-05	7.40E-07
9446	470495.54	3820537.73	0.000038037	1.60E-04	1.44E-05	3.17E-05	1.17E-04	1.03E-05	3.59E-06	2.06E-05	2.45E-06	3.27E-06	1.08E-05	7.42E-07
9447	470486.59	3820541.31	0.000038167	1.60E-04	1.44E-05	3.18E-05	1.18E-04	1.04E-05	3.60E-06	2.06E-05	2.46E-06	3.28E-06	1.08E-05	7.45E-07
9448	470477.64	3820544.89	0.000038292	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.62E-06	2.07E-05	2.47E-06	3.29E-06	1.08E-05	7.47E-07
9449	470468.69	3820548.46	0.000038412	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
9450	470459.74	3820552.04	0.000038528	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.08E-05	2.49E-06	3.31E-06	1.09E-05	7.52E-07
9451	470450.79	3820555.61	0.000038638	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.49E-06	3.32E-06	1.09E-05	7.54E-07
9452	470441.84	3820559.19	0.000038744	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.09E-05	2.50E-06	3.33E-06	1.10E-05	7.56E-07
9453	470432.89	3820562.77	0.00003885	1.63E-04	1.47E-05	3.24E-05	1.20E-04	1.05E-05	3.67E-06	2.10E-05	2.51E-06	3.34E-06	1.10E-05	7.58E-07
9454	470423.94	3820566.34	0.000038946	1.64E-04	1.47E-05	3.24E-05	1.20E-04	1.06E-05	3.68E-06	2.11E-05	2.51E-06	3.34E-06	1.10E-05	7.60E-07
9455	470414.99	3820569.92	0.000039033	1.64E-04	1.48E-05	3.25E-05	1.20E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.35E-06	1.10E-05	7.62E-07
9456	470406.04	3820573.5	0.00003912	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.36E-06	1.11E-05	7.63E-07

9457	470397.09	3820577.07	0.000039216	1.65E-04	1.48E-05	3.27E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.65E-07
9458	470388.14	3820580.65	0.000039312	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.13E-05	2.54E-06	3.37E-06	1.11E-05	7.67E-07
9459	470379.18	3820584.22	0.000039403	1.65E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.12E-05	7.69E-07
9460	470370.23	3820587.8	0.000039485	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.70E-07
9461	470361.28	3820591.38	0.000039567	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.07E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.72E-07
9462	470352.33	3820594.95	0.000039649	1.67E-04	1.50E-05	3.30E-05	1.22E-04	1.08E-05	3.74E-06	2.14E-05	2.56E-06	3.40E-06	1.12E-05	7.74E-07
9463	470343.38	3820598.53	0.000039726	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.75E-06	2.15E-05	2.56E-06	3.41E-06	1.12E-05	7.75E-07
9464	470334.43	3820602.11	0.000039803	1.67E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.77E-07
9465	470325.48	3820605.68	0.000039884	1.68E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.77E-06	2.16E-05	2.57E-06	3.42E-06	1.13E-05	7.78E-07
9466	470316.53	3820609.26	0.000039976	1.68E-04	1.51E-05	3.33E-05	1.23E-04	1.09E-05	3.77E-06	2.16E-05	2.58E-06	3.43E-06	1.13E-05	7.80E-07
9467	470307.58	3820612.83	0.000040086	1.68E-04	1.52E-05	3.34E-05	1.24E-04	1.09E-05	3.79E-06	2.17E-05	2.59E-06	3.44E-06	1.13E-05	7.82E-07
9468	470298.63	3820616.41	0.000040202	1.69E-04	1.52E-05	3.35E-05	1.24E-04	1.09E-05	3.80E-06	2.17E-05	2.59E-06	3.45E-06	1.14E-05	7.84E-07
9469	470289.68	3820619.99	0.000040317	1.69E-04	1.52E-05	3.36E-05	1.24E-04	1.09E-05	3.81E-06	2.18E-05	2.60E-06	3.46E-06	1.14E-05	7.87E-07
9470	470280.73	3820623.56	0.000040447	1.70E-04	1.53E-05	3.37E-05	1.25E-04	1.10E-05	3.82E-06	2.19E-05	2.61E-06	3.47E-06	1.14E-05	7.89E-07
9471	470271.77	3820627.14	0.000040572	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.92E-07
9472	471459.21	3819460.95	0.000021489	9.02E-05	8.13E-06	1.79E-05	6.63E-05	5.83E-06	2.03E-06	1.16E-05	1.39E-06	1.84E-06	6.08E-06	4.19E-07
9473	471459.29	3819451.3	0.000021431	9.00E-05	8.11E-06	1.79E-05	6.61E-05	5.82E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.07E-06	4.18E-07
9474	471459.37	3819441.65	0.000021369	8.97E-05	8.08E-06	1.78E-05	6.59E-05	5.80E-06	2.02E-06	1.16E-05	1.38E-06	1.83E-06	6.05E-06	4.17E-07
9475	471459.45	3819432	0.000021301	8.95E-05	8.06E-06	1.77E-05	6.57E-05	5.78E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.03E-06	4.16E-07
9476	471459.54	3819422.35	0.000021219	8.91E-05	8.03E-06	1.77E-05	6.55E-05	5.76E-06	2.00E-06	1.15E-05	1.37E-06	1.82E-06	6.01E-06	4.14E-07
9477	471459.62	3819412.71	0.000021138	8.88E-05	7.99E-06	1.76E-05	6.52E-05	5.74E-06	2.00E-06	1.14E-05	1.36E-06	1.81E-06	5.98E-06	4.12E-07
9478	471459.87	3819383.76	0.000020839	8.75E-05	7.88E-06	1.74E-05	6.43E-05	5.66E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.90E-06	4.07E-07
9479	471459.95	3819374.11	0.000020724	8.70E-05	7.84E-06	1.73E-05	6.40E-05	5.63E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.87E-06	4.04E-07
9480	471460.03	3819364.47	0.000020604	8.65E-05	7.79E-06	1.72E-05	6.36E-05	5.59E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.83E-06	4.02E-07
9481	471460.12	3819354.82	0.000020474	8.60E-05	7.74E-06	1.71E-05	6.32E-05	5.56E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.80E-06	4.00E-07
9482	471460.2	3819345.17	0.000020334	8.54E-05	7.69E-06	1.69E-05	6.27E-05	5.52E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.76E-06	3.97E-07
9483	471460.28	3819335.52	0.000020185	8.48E-05	7.63E-06	1.68E-05	6.23E-05	5.48E-06	1.91E-06	1.09E-05	1.30E-06	1.73E-06	5.71E-06	3.94E-07
9484	471460.36	3819325.87	0.000020031	8.41E-05	7.58E-06	1.67E-05	6.18E-05	5.44E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.67E-06	3.91E-07
9485	471460.45	3819316.22	0.000019868	8.34E-05	7.51E-06	1.65E-05	6.13E-05	5.39E-06	1.88E-06	1.07E-05	1.28E-06	1.71E-06	5.62E-06	3.88E-07
9486	471460.53	3819306.58	0.000019699	8.27E-05	7.45E-06	1.64E-05	6.08E-05	5.35E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.58E-06	3.84E-07
9487	471460.61	3819296.93	0.000019521	8.20E-05	7.38E-06	1.63E-05	6.02E-05	5.30E-06	1.84E-06	1.06E-05	1.26E-06	1.68E-06	5.53E-06	3.81E-07
9488	471460.7	3819287.28	0.000019338	8.12E-05	7.31E-06	1.61E-05	5.97E-05	5.25E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.47E-06	3.77E-07
9489	471460.78	3819277.63	0.000019141	8.04E-05	7.24E-06	1.59E-05	5.91E-05	5.20E-06	1.81E-06	1.03E-05	1.23E-06	1.64E-06	5.42E-06	3.73E-07
9490	471460.86	3819267.98	0.000018944	7.96E-05	7.16E-06	1.58E-05	5.85E-05	5.14E-06	1.79E-06	1.02E-05	1.22E-06	1.63E-06	5.36E-06	3.70E-07
9491	471460.94	3819258.34	0.000018737	7.87E-05	7.09E-06	1.56E-05	5.78E-05	5.09E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.30E-06	3.66E-07
9492	471535.45	3819470.45	0.000019074	8.01E-05	7.21E-06	1.59E-05	5.89E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
9493	471524.19	3819496.89	0.000019502	8.19E-05	7.38E-06	1.62E-05	6.02E-05	5.29E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.52E-06	3.81E-07
9494	471520.44	3819505.7	0.000019642	8.25E-05	7.43E-06	1.64E-05	6.06E-05	5.33E-06	1.85E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.83E-07
9495	471516.68	3819514.51	0.000019776	8.31E-05	7.48E-06	1.65E-05	6.10E-05	5.37E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.60E-06	3.86E-07
9496	471512.93	3819523.32	0.000019906	8.36E-05	7.53E-06	1.66E-05	6.14E-05	5.40E-06	1.88E-06	1.08E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
9497	471509.18	3819532.14	0.000020041	8.42E-05	7.58E-06	1.67E-05	6.18E-05	5.44E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.67E-06	3.91E-07
9498	471505.42	3819540.95	0.000020171	8.47E-05	7.63E-06	1.68E-05	6.22E-05	5.48E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.71E-06	3.94E-07
9499	471501.67	3819549.76	0.000020301	8.53E-05	7.68E-06	1.69E-05	6.26E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.75E-06	3.96E-07

9500	471497.92	3819558.58	0.000020426	8.58E-05	7.72E-06	1.70E-05	6.30E-05	5.54E-06	1.93E-06	1.10E-05	1.32E-06	1.75E-06	5.78E-06	3.99E-07
9501	471494.16	3819567.39	0.000020551	8.63E-05	7.77E-06	1.71E-05	6.34E-05	5.58E-06	1.94E-06	1.11E-05	1.33E-06	1.76E-06	5.82E-06	4.01E-07
9502	471490.41	3819576.2	0.000020676	8.68E-05	7.82E-06	1.72E-05	6.38E-05	5.61E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.85E-06	4.03E-07
9503	471486.66	3819585.02	0.000020796	8.73E-05	7.86E-06	1.73E-05	6.42E-05	5.65E-06	1.96E-06	1.12E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
9504	471482.91	3819593.83	0.000020916	8.78E-05	7.91E-06	1.74E-05	6.45E-05	5.68E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.92E-06	4.08E-07
9505	471479.15	3819602.64	0.000021037	8.83E-05	7.96E-06	1.75E-05	6.49E-05	5.71E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.95E-06	4.10E-07
9506	471475.4	3819611.45	0.000021152	8.88E-05	8.00E-06	1.76E-05	6.53E-05	5.74E-06	2.00E-06	1.14E-05	1.36E-06	1.82E-06	5.99E-06	4.13E-07
9507	471471.65	3819620.27	0.000021268	8.93E-05	8.04E-06	1.77E-05	6.56E-05	5.77E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.02E-06	4.15E-07
9508	471467.89	3819629.08	0.000021383	8.98E-05	8.09E-06	1.78E-05	6.60E-05	5.80E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.05E-06	4.17E-07
9509	471464.14	3819637.89	0.000021498	9.03E-05	8.13E-06	1.79E-05	6.63E-05	5.84E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.09E-06	4.19E-07
9510	471460.39	3819646.71	0.000021609	9.07E-05	8.17E-06	1.80E-05	6.67E-05	5.87E-06	2.04E-06	1.17E-05	1.39E-06	1.86E-06	6.12E-06	4.22E-07
9511	471456.63	3819655.52	0.00002172	9.12E-05	8.21E-06	1.81E-05	6.70E-05	5.90E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.15E-06	4.24E-07
9512	471441.62	3819690.77	0.000022138	9.30E-05	8.37E-06	1.84E-05	6.83E-05	6.01E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.27E-06	4.32E-07
9513	471437.87	3819699.59	0.000022234	9.34E-05	8.41E-06	1.85E-05	6.86E-05	6.04E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.29E-06	4.34E-07
9514	471434.11	3819708.4	0.000022335	9.38E-05	8.45E-06	1.86E-05	6.89E-05	6.06E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.32E-06	4.36E-07
9515	471430.36	3819717.21	0.000022427	9.42E-05	8.48E-06	1.87E-05	6.92E-05	6.09E-06	2.12E-06	1.21E-05	1.45E-06	1.93E-06	6.35E-06	4.38E-07
9516	471426.61	3819726.02	0.000022518	9.46E-05	8.52E-06	1.88E-05	6.95E-05	6.11E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.37E-06	4.39E-07
9517	471422.85	3819734.84	0.000022605	9.49E-05	8.55E-06	1.88E-05	6.98E-05	6.14E-06	2.13E-06	1.22E-05	1.46E-06	1.94E-06	6.40E-06	4.41E-07
9518	471419.1	3819743.65	0.000022691	9.53E-05	8.58E-06	1.89E-05	7.00E-05	6.16E-06	2.14E-06	1.23E-05	1.46E-06	1.95E-06	6.42E-06	4.43E-07
9519	471415.35	3819752.46	0.000022768	9.56E-05	8.61E-06	1.90E-05	7.03E-05	6.18E-06	2.15E-06	1.23E-05	1.47E-06	1.95E-06	6.44E-06	4.44E-07
9520	471411.59	3819761.28	0.000022845	9.59E-05	8.64E-06	1.90E-05	7.05E-05	6.20E-06	2.16E-06	1.24E-05	1.47E-06	1.96E-06	6.47E-06	4.46E-07
9521	471407.84	3819770.09	0.000022918	9.62E-05	8.67E-06	1.91E-05	7.07E-05	6.22E-06	2.16E-06	1.24E-05	1.48E-06	1.97E-06	6.49E-06	4.47E-07
9522	471404.09	3819778.9	0.000022985	9.65E-05	8.69E-06	1.91E-05	7.09E-05	6.24E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.51E-06	4.49E-07
9523	471400.33	3819787.72	0.000023047	9.68E-05	8.72E-06	1.92E-05	7.11E-05	6.26E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.52E-06	4.50E-07
9524	471396.58	3819796.53	0.000023105	9.70E-05	8.74E-06	1.92E-05	7.13E-05	6.27E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.54E-06	4.51E-07
9525	471392.83	3819805.34	0.000023158	9.73E-05	8.76E-06	1.93E-05	7.15E-05	6.29E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.56E-06	4.52E-07
9526	471389.07	3819814.15	0.000023206	9.75E-05	8.78E-06	1.93E-05	7.16E-05	6.30E-06	2.19E-06	1.25E-05	1.50E-06	1.99E-06	6.57E-06	4.53E-07
9527	471385.32	3819822.97	0.000023249	9.76E-05	8.79E-06	1.94E-05	7.17E-05	6.31E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.58E-06	4.54E-07
9528	471381.57	3819831.78	0.000023288	9.78E-05	8.81E-06	1.94E-05	7.19E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.54E-07
9529	471377.81	3819840.59	0.000023317	9.79E-05	8.82E-06	1.94E-05	7.20E-05	6.33E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.60E-06	4.55E-07
9530	471374.06	3819849.41	0.000023341	9.80E-05	8.83E-06	1.94E-05	7.20E-05	6.34E-06	2.20E-06	1.26E-05	1.51E-06	2.00E-06	6.61E-06	4.55E-07
9531	471370.31	3819858.22	0.000023365	9.81E-05	8.84E-06	1.95E-05	7.21E-05	6.34E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.61E-06	4.56E-07
9532	471366.56	3819867.03	0.000023379	9.82E-05	8.84E-06	1.95E-05	7.21E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.56E-07
9533	471362.8	3819875.85	0.000023389	9.82E-05	8.85E-06	1.95E-05	7.22E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.56E-07
9534	471359.05	3819884.66	0.000023399	9.83E-05	8.85E-06	1.95E-05	7.22E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.57E-07
9535	471355.3	3819893.47	0.000023399	9.83E-05	8.85E-06	1.95E-05	7.22E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.57E-07
9536	471351.54	3819902.28	0.000023394	9.82E-05	8.85E-06	1.95E-05	7.22E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.56E-07
9537	471347.79	3819911.1	0.000023384	9.82E-05	8.84E-06	1.95E-05	7.22E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.56E-07
9538	471344.04	3819919.91	0.000023375	9.82E-05	8.84E-06	1.95E-05	7.21E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.56E-07
9539	471340.28	3819928.72	0.000023355	9.81E-05	8.83E-06	1.95E-05	7.21E-05	6.34E-06	2.21E-06	1.26E-05	1.51E-06	2.00E-06	6.61E-06	4.56E-07
9540	471336.53	3819937.54	0.000023336	9.80E-05	8.83E-06	1.94E-05	7.20E-05	6.33E-06	2.20E-06	1.26E-05	1.51E-06	2.00E-06	6.61E-06	4.55E-07
9541	471332.78	3819946.35	0.000023312	9.79E-05	8.82E-06	1.94E-05	7.19E-05	6.33E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.60E-06	4.55E-07
9542	471329.02	3819955.16	0.000023288	9.78E-05	8.81E-06	1.94E-05	7.19E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.54E-07

9543	471325.27	3819963.98	0.000023254	9.77E-05	8.79E-06	1.94E-05	7.18E-05	6.31E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.58E-06	4.54E-07
9544	471321.52	3819972.79	0.000023225	9.75E-05	8.78E-06	1.93E-05	7.17E-05	6.30E-06	2.19E-06	1.26E-05	1.50E-06	1.99E-06	6.57E-06	4.53E-07
9545	471317.76	3819981.6	0.000023192	9.74E-05	8.77E-06	1.93E-05	7.16E-05	6.30E-06	2.19E-06	1.25E-05	1.50E-06	1.99E-06	6.56E-06	4.53E-07
9546	471314.01	3819990.41	0.000023153	9.72E-05	8.76E-06	1.93E-05	7.14E-05	6.29E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.55E-06	4.52E-07
9547	471310.26	3819999.23	0.000023115	9.71E-05	8.74E-06	1.93E-05	7.13E-05	6.27E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.54E-06	4.51E-07
9548	471306.5	3820008.04	0.000023076	9.69E-05	8.73E-06	1.92E-05	7.12E-05	6.26E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.53E-06	4.50E-07
9549	471302.75	3820016.85	0.000023038	9.67E-05	8.71E-06	1.92E-05	7.11E-05	6.25E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.52E-06	4.50E-07
9550	471299	3820025.67	0.000022994	9.66E-05	8.70E-06	1.92E-05	7.10E-05	6.24E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.51E-06	4.49E-07
9551	471295.24	3820034.48	0.000022951	9.64E-05	8.68E-06	1.91E-05	7.08E-05	6.23E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.50E-06	4.48E-07
9552	471291.49	3820043.29	0.000022908	9.62E-05	8.66E-06	1.91E-05	7.07E-05	6.22E-06	2.16E-06	1.24E-05	1.48E-06	1.97E-06	6.48E-06	4.47E-07
9553	471287.74	3820052.11	0.00002286	9.60E-05	8.65E-06	1.90E-05	7.05E-05	6.21E-06	2.16E-06	1.24E-05	1.47E-06	1.96E-06	6.47E-06	4.46E-07
9554	471283.98	3820060.92	0.000022817	9.58E-05	8.63E-06	1.90E-05	7.04E-05	6.19E-06	2.15E-06	1.23E-05	1.47E-06	1.96E-06	6.46E-06	4.45E-07
9555	471280.23	3820069.73	0.000022768	9.56E-05	8.61E-06	1.90E-05	7.03E-05	6.18E-06	2.15E-06	1.23E-05	1.47E-06	1.95E-06	6.44E-06	4.44E-07
9556	471276.48	3820078.55	0.000022725	9.54E-05	8.59E-06	1.89E-05	7.01E-05	6.17E-06	2.15E-06	1.23E-05	1.47E-06	1.95E-06	6.43E-06	4.43E-07
9557	471272.72	3820087.36	0.000022682	9.53E-05	8.58E-06	1.89E-05	7.00E-05	6.16E-06	2.14E-06	1.23E-05	1.46E-06	1.95E-06	6.42E-06	4.43E-07
9558	471268.97	3820096.17	0.000022639	9.51E-05	8.56E-06	1.89E-05	6.99E-05	6.15E-06	2.14E-06	1.22E-05	1.46E-06	1.94E-06	6.41E-06	4.42E-07
9559	471265.22	3820104.98	0.000022595	9.49E-05	8.55E-06	1.88E-05	6.97E-05	6.13E-06	2.13E-06	1.22E-05	1.46E-06	1.94E-06	6.40E-06	4.41E-07
9560	471261.46	3820113.8	0.000022552	9.47E-05	8.53E-06	1.88E-05	6.96E-05	6.12E-06	2.13E-06	1.22E-05	1.45E-06	1.94E-06	6.38E-06	4.40E-07
9561	471257.71	3820122.61	0.000022509	9.45E-05	8.51E-06	1.87E-05	6.95E-05	6.11E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.37E-06	4.39E-07
9562	471253.96	3820131.42	0.000022465	9.43E-05	8.50E-06	1.87E-05	6.93E-05	6.10E-06	2.12E-06	1.21E-05	1.45E-06	1.93E-06	6.36E-06	4.38E-07
9563	471250.2	3820140.24	0.000022422	9.42E-05	8.48E-06	1.87E-05	6.92E-05	6.09E-06	2.12E-06	1.21E-05	1.45E-06	1.92E-06	6.35E-06	4.38E-07
9564	471246.45	3820149.05	0.000022379	9.40E-05	8.46E-06	1.86E-05	6.91E-05	6.07E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.33E-06	4.37E-07
9565	471242.7	3820157.86	0.000022331	9.38E-05	8.45E-06	1.86E-05	6.89E-05	6.06E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.32E-06	4.36E-07
9566	471238.95	3820166.68	0.000022283	9.36E-05	8.43E-06	1.86E-05	6.88E-05	6.05E-06	2.10E-06	1.20E-05	1.44E-06	1.91E-06	6.31E-06	4.35E-07
9567	471235.19	3820175.49	0.00002223	9.34E-05	8.41E-06	1.85E-05	6.86E-05	6.03E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.29E-06	4.34E-07
9568	471231.44	3820184.3	0.000022182	9.32E-05	8.39E-06	1.85E-05	6.84E-05	6.02E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.28E-06	4.33E-07
9569	471227.69	3820193.11	0.000022133	9.30E-05	8.37E-06	1.84E-05	6.83E-05	6.01E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.27E-06	4.32E-07
9570	471223.93	3820201.93	0.00002208	9.27E-05	8.35E-06	1.84E-05	6.81E-05	5.99E-06	2.09E-06	1.19E-05	1.42E-06	1.90E-06	6.25E-06	4.31E-07
9571	471220.18	3820210.74	0.000022032	9.25E-05	8.33E-06	1.84E-05	6.80E-05	5.98E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.24E-06	4.30E-07
9572	471216.43	3820219.55	0.000021979	9.23E-05	8.31E-06	1.83E-05	6.78E-05	5.97E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.22E-06	4.29E-07
9573	471212.67	3820228.37	0.000021927	9.21E-05	8.29E-06	1.83E-05	6.77E-05	5.95E-06	2.07E-06	1.19E-05	1.41E-06	1.88E-06	6.21E-06	4.28E-07
9574	471208.92	3820237.18	0.000021869	9.18E-05	8.27E-06	1.82E-05	6.75E-05	5.94E-06	2.07E-06	1.18E-05	1.41E-06	1.88E-06	6.19E-06	4.27E-07
9575	471205.17	3820245.99	0.000021816	9.16E-05	8.25E-06	1.82E-05	6.73E-05	5.92E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.18E-06	4.26E-07
9576	471201.41	3820254.81	0.000021753	9.14E-05	8.23E-06	1.81E-05	6.71E-05	5.91E-06	2.05E-06	1.18E-05	1.40E-06	1.87E-06	6.16E-06	4.24E-07
9577	471197.66	3820263.62	0.000021691	9.11E-05	8.20E-06	1.81E-05	6.69E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.23E-07
9578	471193.91	3820272.43	0.000021628	9.08E-05	8.18E-06	1.80E-05	6.67E-05	5.87E-06	2.04E-06	1.17E-05	1.40E-06	1.86E-06	6.12E-06	4.22E-07
9579	471190.15	3820281.24	0.000021561	9.05E-05	8.15E-06	1.80E-05	6.65E-05	5.85E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.10E-06	4.21E-07
9580	471186.4	3820290.06	0.000021494	9.03E-05	8.13E-06	1.79E-05	6.63E-05	5.83E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.08E-06	4.19E-07
9581	471182.65	3820298.87	0.000021426	9.00E-05	8.10E-06	1.78E-05	6.61E-05	5.82E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.06E-06	4.18E-07
9582	471178.89	3820307.68	0.000021349	8.97E-05	8.07E-06	1.78E-05	6.59E-05	5.80E-06	2.02E-06	1.15E-05	1.38E-06	1.83E-06	6.04E-06	4.17E-07
9583	471175.14	3820316.5	0.000021268	8.93E-05	8.04E-06	1.77E-05	6.56E-05	5.77E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.02E-06	4.15E-07
9584	471171.39	3820325.31	0.000021186	8.90E-05	8.01E-06	1.76E-05	6.54E-05	5.75E-06	2.00E-06	1.15E-05	1.37E-06	1.82E-06	6.00E-06	4.13E-07
9585	471167.63	3820334.12	0.000021099	8.86E-05	7.98E-06	1.76E-05	6.51E-05	5.73E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.97E-06	4.12E-07

9586	471163.88	3820342.94	0.000021017	8.83E-05	7.95E-06	1.75E-05	6.49E-05	5.71E-06	1.98E-06	1.14E-05	1.36E-06	1.80E-06	5.95E-06	4.10E-07
9587	471151.23	3820355.3	0.000021046	8.84E-05	7.96E-06	1.75E-05	6.49E-05	5.71E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.96E-06	4.11E-07
9588	471142.34	3820358.86	0.000021166	8.89E-05	8.01E-06	1.76E-05	6.53E-05	5.75E-06	2.00E-06	1.14E-05	1.37E-06	1.82E-06	5.99E-06	4.13E-07
9589	471133.44	3820362.41	0.000021277	8.94E-05	8.05E-06	1.77E-05	6.57E-05	5.78E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.02E-06	4.15E-07
9590	471124.55	3820365.97	0.000021393	8.98E-05	8.09E-06	1.78E-05	6.60E-05	5.81E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.06E-06	4.17E-07
9591	471115.65	3820369.52	0.000021503	9.03E-05	8.13E-06	1.79E-05	6.64E-05	5.84E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.09E-06	4.20E-07
9592	471106.76	3820373.07	0.000021609	9.07E-05	8.17E-06	1.80E-05	6.67E-05	5.87E-06	2.04E-06	1.17E-05	1.39E-06	1.86E-06	6.12E-06	4.22E-07
9593	471097.86	3820376.63	0.000021715	9.12E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.15E-06	4.24E-07
9594	471088.97	3820380.18	0.000021821	9.16E-05	8.25E-06	1.82E-05	6.73E-05	5.92E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.18E-06	4.26E-07
9595	471080.07	3820383.74	0.000021922	9.21E-05	8.29E-06	1.83E-05	6.76E-05	5.95E-06	2.07E-06	1.19E-05	1.41E-06	1.88E-06	6.21E-06	4.28E-07
9596	471071.18	3820387.29	0.000022023	9.25E-05	8.33E-06	1.83E-05	6.80E-05	5.98E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.23E-06	4.30E-07
9597	471062.28	3820390.84	0.000022124	9.29E-05	8.37E-06	1.84E-05	6.83E-05	6.01E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.26E-06	4.32E-07
9598	471053.38	3820394.4	0.000022225	9.33E-05	8.41E-06	1.85E-05	6.86E-05	6.03E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.29E-06	4.34E-07
9599	471044.49	3820397.95	0.000022326	9.38E-05	8.44E-06	1.86E-05	6.89E-05	6.06E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.32E-06	4.36E-07
9600	471035.59	3820401.51	0.000022427	9.42E-05	8.48E-06	1.87E-05	6.92E-05	6.09E-06	2.12E-06	1.21E-05	1.45E-06	1.93E-06	6.35E-06	4.38E-07
9601	471026.7	3820405.06	0.000022523	9.46E-05	8.52E-06	1.88E-05	6.95E-05	6.11E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.38E-06	4.39E-07
9602	471017.8	3820408.61	0.000022624	9.50E-05	8.56E-06	1.88E-05	6.98E-05	6.14E-06	2.14E-06	1.22E-05	1.46E-06	1.94E-06	6.40E-06	4.41E-07
9603	471008.91	3820412.17	0.000022725	9.54E-05	8.59E-06	1.89E-05	7.01E-05	6.17E-06	2.15E-06	1.23E-05	1.47E-06	1.95E-06	6.43E-06	4.43E-07
9604	471000.01	3820415.72	0.000022826	9.59E-05	8.63E-06	1.90E-05	7.04E-05	6.20E-06	2.16E-06	1.23E-05	1.47E-06	1.96E-06	6.46E-06	4.45E-07
9605	470991.12	3820419.28	0.000022932	9.63E-05	8.67E-06	1.91E-05	7.08E-05	6.23E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.49E-06	4.47E-07
9606	470964.43	3820429.94	0.000023259	9.77E-05	8.80E-06	1.94E-05	7.18E-05	6.31E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.58E-06	4.54E-07
9607	470955.54	3820433.49	0.000023379	9.82E-05	8.84E-06	1.95E-05	7.21E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.56E-07
9608	470946.64	3820437.05	0.000023495	9.87E-05	8.89E-06	1.96E-05	7.25E-05	6.38E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.65E-06	4.58E-07
9609	470937.75	3820440.6	0.000023615	9.92E-05	8.93E-06	1.97E-05	7.29E-05	6.41E-06	2.23E-06	1.28E-05	1.52E-06	2.03E-06	6.68E-06	4.61E-07
9610	470928.85	3820444.15	0.00002374	9.97E-05	8.98E-06	1.98E-05	7.33E-05	6.44E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.72E-06	4.63E-07
9611	470919.96	3820447.71	0.00002387	1.00E-04	9.03E-06	1.99E-05	7.37E-05	6.48E-06	2.25E-06	1.29E-05	1.54E-06	2.05E-06	6.76E-06	4.66E-07
9612	470911.06	3820451.26	0.000024005	1.01E-04	9.08E-06	2.00E-05	7.41E-05	6.52E-06	2.27E-06	1.30E-05	1.55E-06	2.06E-06	6.79E-06	4.68E-07
9613	470902.17	3820454.82	0.000024149	1.01E-04	9.13E-06	2.01E-05	7.45E-05	6.56E-06	2.28E-06	1.31E-05	1.56E-06	2.07E-06	6.84E-06	4.71E-07
9614	470893.27	3820458.37	0.000024303	1.02E-04	9.19E-06	2.02E-05	7.50E-05	6.60E-06	2.29E-06	1.31E-05	1.57E-06	2.09E-06	6.88E-06	4.74E-07
9615	470822.11	3820486.8	0.000025804	1.08E-04	9.76E-06	2.15E-05	7.96E-05	7.00E-06	2.44E-06	1.39E-05	1.66E-06	2.22E-06	7.30E-06	5.04E-07
9616	470813.21	3820490.36	0.00002603	1.09E-04	9.84E-06	2.17E-05	8.03E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.23E-06	7.37E-06	5.08E-07
9617	470804.32	3820493.91	0.00002627	1.10E-04	9.94E-06	2.19E-05	8.11E-05	7.13E-06	2.48E-06	1.42E-05	1.69E-06	2.26E-06	7.44E-06	5.13E-07
9618	470795.42	3820497.46	0.000026511	1.11E-04	1.00E-05	2.21E-05	8.18E-05	7.20E-06	2.50E-06	1.43E-05	1.71E-06	2.28E-06	7.50E-06	5.17E-07
9619	470786.53	3820501.02	0.000026752	1.12E-04	1.01E-05	2.23E-05	8.25E-05	7.26E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.57E-06	5.22E-07
9620	470777.63	3820504.57	0.000027002	1.13E-04	1.02E-05	2.25E-05	8.33E-05	7.33E-06	2.55E-06	1.46E-05	1.74E-06	2.32E-06	7.64E-06	5.27E-07
9621	470768.74	3820508.13	0.000027257	1.14E-04	1.03E-05	2.27E-05	8.41E-05	7.40E-06	2.57E-06	1.47E-05	1.76E-06	2.34E-06	7.72E-06	5.32E-07
9622	470759.84	3820511.68	0.000027516	1.16E-04	1.04E-05	2.29E-05	8.49E-05	7.47E-06	2.60E-06	1.49E-05	1.77E-06	2.36E-06	7.79E-06	5.37E-07
9623	470750.95	3820515.24	0.000027781	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
9624	470742.05	3820518.79	0.00002805	1.18E-04	1.06E-05	2.34E-05	8.66E-05	7.61E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.94E-06	5.47E-07
9625	470733.16	3820522.34	0.000028334	1.19E-04	1.07E-05	2.36E-05	8.74E-05	7.69E-06	2.68E-06	1.53E-05	1.83E-06	2.43E-06	8.02E-06	5.53E-07
9626	470724.26	3820525.9	0.000028628	1.20E-04	1.08E-05	2.38E-05	8.83E-05	7.77E-06	2.70E-06	1.55E-05	1.85E-06	2.46E-06	8.10E-06	5.59E-07
9627	470715.37	3820529.45	0.000028921	1.21E-04	1.09E-05	2.41E-05	8.92E-05	7.85E-06	2.73E-06	1.56E-05	1.87E-06	2.48E-06	8.19E-06	5.64E-07
9628	470706.47	3820533.01	0.000029224	1.23E-04	1.11E-05	2.43E-05	9.02E-05	7.93E-06	2.76E-06	1.58E-05	1.88E-06	2.51E-06	8.27E-06	5.70E-07

9629	470697.58	3820536.56	0.000029532	1.24E-04	1.12E-05	2.46E-05	9.11E-05	8.02E-06	2.79E-06	1.60E-05	1.90E-06	2.54E-06	8.36E-06	5.76E-07
9630	470688.68	3820540.11	0.000029845	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.93E-06	2.56E-06	8.45E-06	5.82E-07
9631	470679.79	3820543.67	0.000030153	1.27E-04	1.14E-05	2.51E-05	9.30E-05	8.18E-06	2.85E-06	1.63E-05	1.94E-06	2.59E-06	8.54E-06	5.88E-07
9632	470670.89	3820547.22	0.000030441	1.28E-04	1.15E-05	2.54E-05	9.39E-05	8.26E-06	2.87E-06	1.65E-05	1.96E-06	2.61E-06	8.62E-06	5.94E-07
9633	470662	3820550.78	0.00003072	1.29E-04	1.16E-05	2.56E-05	9.48E-05	8.34E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.70E-06	5.99E-07
9634	470653.1	3820554.33	0.000030994	1.30E-04	1.17E-05	2.58E-05	9.56E-05	8.41E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.77E-06	6.05E-07
9635	470644.2	3820557.88	0.000031269	1.31E-04	1.18E-05	2.60E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.68E-06	8.85E-06	6.10E-07
9636	470635.31	3820561.44	0.000031538	1.32E-04	1.19E-05	2.63E-05	9.73E-05	8.56E-06	2.98E-06	1.71E-05	2.03E-06	2.71E-06	8.93E-06	6.15E-07
9637	470626.41	3820564.99	0.000031807	1.34E-04	1.20E-05	2.65E-05	9.82E-05	8.63E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	9.00E-06	6.21E-07
9638	470617.52	3820568.55	0.000032067	1.35E-04	1.21E-05	2.67E-05	9.90E-05	8.71E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.08E-06	6.26E-07
9639	470608.62	3820572.1	0.000032308	1.36E-04	1.22E-05	2.69E-05	9.97E-05	8.77E-06	3.05E-06	1.75E-05	2.08E-06	2.77E-06	9.15E-06	6.30E-07
9640	470599.73	3820575.65	0.000032543	1.37E-04	1.23E-05	2.71E-05	1.00E-04	8.83E-06	3.07E-06	1.76E-05	2.10E-06	2.79E-06	9.21E-06	6.35E-07
9641	470590.83	3820579.21	0.00003276	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.89E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.27E-06	6.39E-07
9642	470581.94	3820582.76	0.000032948	1.38E-04	1.25E-05	2.74E-05	1.02E-04	8.94E-06	3.11E-06	1.78E-05	2.13E-06	2.83E-06	9.33E-06	6.43E-07
9643	470573.04	3820586.32	0.00003313	1.39E-04	1.25E-05	2.76E-05	1.02E-04	8.99E-06	3.13E-06	1.79E-05	2.14E-06	2.84E-06	9.38E-06	6.46E-07
9644	470564.15	3820589.87	0.000033308	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.04E-06	3.15E-06	1.80E-05	2.15E-06	2.86E-06	9.43E-06	6.50E-07
9645	470555.25	3820593.42	0.000033482	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.48E-06	6.53E-07
9646	470546.36	3820596.98	0.00003365	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.13E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.52E-06	6.57E-07
9647	470537.46	3820600.53	0.000033804	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.18E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.57E-06	6.60E-07
9648	470528.57	3820604.09	0.000033943	1.43E-04	1.28E-05	2.83E-05	1.05E-04	9.21E-06	3.21E-06	1.84E-05	2.19E-06	2.91E-06	9.61E-06	6.62E-07
9649	470519.67	3820607.64	0.000034088	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.65E-06	6.65E-07
9650	470510.78	3820611.19	0.000034227	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.29E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.69E-06	6.68E-07
9651	470501.88	3820614.75	0.000034352	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.33E-06	3.24E-06	1.86E-05	2.22E-06	2.95E-06	9.72E-06	6.70E-07
9652	470492.99	3820618.3	0.000034458	1.45E-04	1.30E-05	2.87E-05	1.06E-04	9.35E-06	3.25E-06	1.86E-05	2.22E-06	2.96E-06	9.75E-06	6.72E-07
9653	470484.09	3820621.86	0.000034549	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.38E-06	3.26E-06	1.87E-05	2.23E-06	2.97E-06	9.78E-06	6.74E-07
9654	470475.2	3820625.41	0.000034636	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.40E-06	3.27E-06	1.87E-05	2.23E-06	2.97E-06	9.80E-06	6.76E-07
9655	470466.3	3820628.96	0.000034723	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.43E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.78E-07
9656	470457.41	3820632.52	0.000034828	1.46E-04	1.32E-05	2.90E-05	1.07E-04	9.45E-06	3.29E-06	1.88E-05	2.25E-06	2.99E-06	9.86E-06	6.80E-07
9657	470448.51	3820636.07	0.00003493	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.48E-06	3.30E-06	1.89E-05	2.25E-06	3.00E-06	9.89E-06	6.82E-07
9658	470439.61	3820639.63	0.000035011	1.47E-04	1.32E-05	2.92E-05	1.08E-04	9.50E-06	3.31E-06	1.89E-05	2.26E-06	3.01E-06	9.91E-06	6.83E-07
9659	470430.72	3820643.18	0.000035064	1.47E-04	1.33E-05	2.92E-05	1.08E-04	9.52E-06	3.31E-06	1.90E-05	2.26E-06	3.01E-06	9.93E-06	6.84E-07
9660	470421.82	3820646.74	0.000035117	1.47E-04	1.33E-05	2.93E-05	1.08E-04	9.53E-06	3.32E-06	1.90E-05	2.27E-06	3.01E-06	9.94E-06	6.85E-07
9661	470412.93	3820650.29	0.00003517	1.48E-04	1.33E-05	2.93E-05	1.09E-04	9.55E-06	3.32E-06	1.90E-05	2.27E-06	3.02E-06	9.96E-06	6.86E-07
9662	470404.03	3820653.84	0.000035223	1.48E-04	1.33E-05	2.93E-05	1.09E-04	9.56E-06	3.33E-06	1.90E-05	2.27E-06	3.02E-06	9.97E-06	6.87E-07
9663	470395.14	3820657.4	0.000035276	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.58E-06	3.33E-06	1.91E-05	2.28E-06	3.03E-06	9.99E-06	6.88E-07
9664	470386.24	3820660.95	0.000035329	1.48E-04	1.34E-05	2.94E-05	1.09E-04	9.59E-06	3.34E-06	1.91E-05	2.28E-06	3.03E-06	1.00E-05	6.89E-07
9665	470377.35	3820664.51	0.000035382	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.60E-06	3.34E-06	1.91E-05	2.28E-06	3.04E-06	1.00E-05	6.90E-07
9666	470368.45	3820668.06	0.000035444	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.62E-06	3.35E-06	1.92E-05	2.29E-06	3.04E-06	1.00E-05	6.92E-07
9667	470359.56	3820671.61	0.000035507	1.49E-04	1.34E-05	2.96E-05	1.10E-04	9.64E-06	3.35E-06	1.92E-05	2.29E-06	3.05E-06	1.01E-05	6.93E-07
9668	470350.66	3820675.17	0.000035574	1.49E-04	1.35E-05	2.96E-05	1.10E-04	9.66E-06	3.36E-06	1.92E-05	2.29E-06	3.05E-06	1.01E-05	6.94E-07
9669	470341.77	3820678.72	0.000035651	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.68E-06	3.37E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.96E-07
9670	470332.87	3820682.28	0.000035738	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.70E-06	3.37E-06	1.93E-05	2.31E-06	3.07E-06	1.01E-05	6.97E-07
9671	470323.98	3820685.83	0.000035834	1.50E-04	1.36E-05	2.98E-05	1.11E-04	9.73E-06	3.38E-06	1.94E-05	2.31E-06	3.08E-06	1.01E-05	6.99E-07

9672	470315.08	3820689.38	0.00003593	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.75E-06	3.39E-06	1.94E-05	2.32E-06	3.08E-06	1.02E-05	7.01E-07
9673	470306.19	3820692.94	0.000036031	1.51E-04	1.36E-05	3.00E-05	1.11E-04	9.78E-06	3.40E-06	1.95E-05	2.32E-06	3.09E-06	1.02E-05	7.03E-07
9674	470297.29	3820696.49	0.000036137	1.52E-04	1.37E-05	3.01E-05	1.12E-04	9.81E-06	3.41E-06	1.95E-05	2.33E-06	3.10E-06	1.02E-05	7.05E-07
9675	470288.4	3820700.05	0.000036243	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.84E-06	3.42E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.07E-07
9676	470279.5	3820703.6	0.000036363	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.87E-06	3.43E-06	1.97E-05	2.35E-06	3.12E-06	1.03E-05	7.10E-07
9677	470270.61	3820707.15	0.000036483	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.90E-06	3.45E-06	1.97E-05	2.35E-06	3.13E-06	1.03E-05	7.12E-07
9678	471539.2	3819461.63	0.000018925	7.95E-05	7.16E-06	1.58E-05	5.84E-05	5.14E-06	1.79E-06	1.02E-05	1.22E-06	1.62E-06	5.36E-06	3.69E-07
9679	471539.29	3819451.99	0.000018872	7.93E-05	7.14E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9680	471539.37	3819442.34	0.000018819	7.90E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.62E-06	5.33E-06	3.67E-07
9681	471539.45	3819432.69	0.000018761	7.88E-05	7.10E-06	1.56E-05	5.79E-05	5.09E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
9682	471539.53	3819423.04	0.000018694	7.85E-05	7.07E-06	1.56E-05	5.77E-05	5.07E-06	1.77E-06	1.01E-05	1.21E-06	1.60E-06	5.29E-06	3.65E-07
9683	471539.62	3819413.39	0.000018622	7.82E-05	7.04E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.27E-06	3.63E-07
9684	471539.7	3819403.74	0.000018545	7.79E-05	7.01E-06	1.54E-05	5.72E-05	5.03E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.25E-06	3.62E-07
9685	471539.78	3819394.1	0.000018458	7.75E-05	6.98E-06	1.54E-05	5.70E-05	5.01E-06	1.74E-06	9.98E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
9686	471539.87	3819384.45	0.000018372	7.72E-05	6.95E-06	1.53E-05	5.67E-05	4.99E-06	1.73E-06	9.93E-06	1.18E-06	1.58E-06	5.20E-06	3.58E-07
9687	471539.95	3819374.8	0.000018271	7.67E-05	6.91E-06	1.52E-05	5.64E-05	4.96E-06	1.73E-06	9.88E-06	1.18E-06	1.57E-06	5.17E-06	3.57E-07
9688	471540.03	3819365.15	0.000018169	7.63E-05	6.87E-06	1.51E-05	5.61E-05	4.93E-06	1.72E-06	9.82E-06	1.17E-06	1.56E-06	5.14E-06	3.55E-07
9689	471540.11	3819355.5	0.000018059	7.58E-05	6.83E-06	1.50E-05	5.57E-05	4.90E-06	1.71E-06	9.76E-06	1.16E-06	1.55E-06	5.11E-06	3.52E-07
9690	471540.2	3819345.86	0.000017943	7.54E-05	6.79E-06	1.49E-05	5.54E-05	4.87E-06	1.69E-06	9.70E-06	1.16E-06	1.54E-06	5.08E-06	3.50E-07
9691	471540.28	3819336.21	0.000017823	7.48E-05	6.74E-06	1.48E-05	5.50E-05	4.84E-06	1.68E-06	9.64E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
9692	471540.36	3819326.56	0.000017693	7.43E-05	6.69E-06	1.47E-05	5.46E-05	4.80E-06	1.67E-06	9.56E-06	1.14E-06	1.52E-06	5.01E-06	3.45E-07
9693	471540.44	3819316.91	0.000017559	7.37E-05	6.64E-06	1.46E-05	5.42E-05	4.77E-06	1.66E-06	9.49E-06	1.13E-06	1.51E-06	4.97E-06	3.43E-07
9694	471540.53	3819307.26	0.000017419	7.32E-05	6.59E-06	1.45E-05	5.38E-05	4.73E-06	1.64E-06	9.42E-06	1.12E-06	1.50E-06	4.93E-06	3.40E-07
9695	471540.61	3819297.61	0.00001727	7.25E-05	6.53E-06	1.44E-05	5.33E-05	4.69E-06	1.63E-06	9.34E-06	1.11E-06	1.48E-06	4.89E-06	3.37E-07
9696	471540.69	3819287.97	0.000017116	7.19E-05	6.47E-06	1.43E-05	5.28E-05	4.65E-06	1.62E-06	9.25E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
9697	471540.78	3819278.32	0.000016962	7.12E-05	6.41E-06	1.41E-05	5.23E-05	4.60E-06	1.60E-06	9.17E-06	1.09E-06	1.46E-06	4.80E-06	3.31E-07
9698	471540.86	3819268.67	0.000016798	7.05E-05	6.35E-06	1.40E-05	5.18E-05	4.56E-06	1.59E-06	9.08E-06	1.08E-06	1.44E-06	4.76E-06	3.28E-07
9699	471540.94	3819259.02	0.00001663	6.98E-05	6.29E-06	1.39E-05	5.13E-05	4.51E-06	1.57E-06	8.99E-06	1.07E-06	1.43E-06	4.71E-06	3.24E-07
9700	471615.43	3819471.17	0.000016919	7.11E-05	6.40E-06	1.41E-05	5.22E-05	4.59E-06	1.60E-06	9.15E-06	1.09E-06	1.45E-06	4.79E-06	3.30E-07
9701	471611.67	3819480.01	0.000017044	7.16E-05	6.45E-06	1.42E-05	5.26E-05	4.63E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.33E-07
9702	471607.9	3819488.86	0.000017164	7.21E-05	6.49E-06	1.43E-05	5.30E-05	4.66E-06	1.62E-06	9.28E-06	1.11E-06	1.47E-06	4.86E-06	3.35E-07
9703	471604.13	3819497.71	0.000017284	7.26E-05	6.54E-06	1.44E-05	5.33E-05	4.69E-06	1.63E-06	9.34E-06	1.11E-06	1.48E-06	4.89E-06	3.37E-07
9704	471600.36	3819506.55	0.000017405	7.31E-05	6.58E-06	1.45E-05	5.37E-05	4.72E-06	1.64E-06	9.41E-06	1.12E-06	1.49E-06	4.93E-06	3.40E-07
9705	471596.59	3819515.4	0.000017515	7.36E-05	6.62E-06	1.46E-05	5.40E-05	4.75E-06	1.65E-06	9.47E-06	1.13E-06	1.50E-06	4.96E-06	3.42E-07
9706	471592.83	3819524.25	0.000017631	7.40E-05	6.67E-06	1.47E-05	5.44E-05	4.79E-06	1.66E-06	9.53E-06	1.14E-06	1.51E-06	4.99E-06	3.44E-07
9707	471589.06	3819533.1	0.000017741	7.45E-05	6.71E-06	1.48E-05	5.47E-05	4.82E-06	1.68E-06	9.59E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
9708	471577.76	3819559.64	0.000018068	7.59E-05	6.83E-06	1.50E-05	5.58E-05	4.90E-06	1.71E-06	9.77E-06	1.17E-06	1.55E-06	5.11E-06	3.53E-07
9709	471573.99	3819568.48	0.000018174	7.63E-05	6.87E-06	1.51E-05	5.61E-05	4.93E-06	1.72E-06	9.83E-06	1.17E-06	1.56E-06	5.14E-06	3.55E-07
9710	471570.22	3819577.33	0.00001828	7.68E-05	6.91E-06	1.52E-05	5.64E-05	4.96E-06	1.73E-06	9.88E-06	1.18E-06	1.57E-06	5.17E-06	3.57E-07
9711	471566.45	3819586.18	0.000018386	7.72E-05	6.95E-06	1.53E-05	5.67E-05	4.99E-06	1.74E-06	9.94E-06	1.19E-06	1.58E-06	5.20E-06	3.59E-07
9712	471562.69	3819595.02	0.000018487	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.02E-06	1.75E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.61E-07
9713	471558.92	3819603.87	0.000018593	7.81E-05	7.03E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.26E-06	3.63E-07
9714	471555.15	3819612.72	0.000018689	7.85E-05	7.07E-06	1.56E-05	5.77E-05	5.07E-06	1.76E-06	1.01E-05	1.21E-06	1.60E-06	5.29E-06	3.65E-07

9715	471551.38	3819621.57	0.00001879	7.89E-05	7.11E-06	1.57E-05	5.80E-05	5.10E-06	1.77E-06	1.02E-05	1.21E-06	1.61E-06	5.32E-06	3.67E-07
9716	471547.61	3819630.41	0.000018891	7.93E-05	7.14E-06	1.57E-05	5.83E-05	5.13E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.35E-06	3.69E-07
9717	471543.85	3819639.26	0.000018987	7.97E-05	7.18E-06	1.58E-05	5.86E-05	5.15E-06	1.79E-06	1.03E-05	1.22E-06	1.63E-06	5.37E-06	3.70E-07
9718	471540.08	3819648.11	0.000019084	8.01E-05	7.22E-06	1.59E-05	5.89E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
9719	471536.31	3819656.95	0.00001918	8.05E-05	7.25E-06	1.60E-05	5.92E-05	5.21E-06	1.81E-06	1.04E-05	1.24E-06	1.65E-06	5.43E-06	3.74E-07
9720	471532.54	3819665.8	0.000019276	8.10E-05	7.29E-06	1.61E-05	5.95E-05	5.23E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.46E-06	3.76E-07
9721	471528.78	3819674.65	0.000019372	8.14E-05	7.33E-06	1.61E-05	5.98E-05	5.26E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.48E-06	3.78E-07
9722	471525.01	3819683.49	0.000019464	8.17E-05	7.36E-06	1.62E-05	6.01E-05	5.28E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.51E-06	3.80E-07
9723	471521.24	3819692.34	0.000019555	8.21E-05	7.40E-06	1.63E-05	6.03E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.54E-06	3.82E-07
9724	471517.47	3819701.19	0.000019646	8.25E-05	7.43E-06	1.64E-05	6.06E-05	5.33E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.83E-07
9725	471513.7	3819710.04	0.000019738	8.29E-05	7.46E-06	1.64E-05	6.09E-05	5.36E-06	1.86E-06	1.07E-05	1.27E-06	1.69E-06	5.59E-06	3.85E-07
9726	471509.94	3819718.88	0.000019824	8.33E-05	7.50E-06	1.65E-05	6.12E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.61E-06	3.87E-07
9727	471494.87	3819754.27	0.000020151	8.46E-05	7.62E-06	1.68E-05	6.22E-05	5.47E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.70E-06	3.93E-07
9728	471491.1	3819763.12	0.000020228	8.50E-05	7.65E-06	1.68E-05	6.24E-05	5.49E-06	1.91E-06	1.09E-05	1.30E-06	1.74E-06	5.73E-06	3.95E-07
9729	471487.33	3819771.96	0.000020301	8.53E-05	7.68E-06	1.69E-05	6.26E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.75E-06	3.96E-07
9730	471483.56	3819780.81	0.000020373	8.56E-05	7.70E-06	1.70E-05	6.29E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.77E-06	3.98E-07
9731	471479.8	3819789.66	0.00002044	8.58E-05	7.73E-06	1.70E-05	6.31E-05	5.55E-06	1.93E-06	1.10E-05	1.32E-06	1.75E-06	5.79E-06	3.99E-07
9732	471476.03	3819798.51	0.000020503	8.61E-05	7.75E-06	1.71E-05	6.33E-05	5.57E-06	1.94E-06	1.11E-05	1.32E-06	1.76E-06	5.80E-06	4.00E-07
9733	471472.26	3819807.35	0.00002056	8.63E-05	7.78E-06	1.71E-05	6.34E-05	5.58E-06	1.94E-06	1.11E-05	1.33E-06	1.77E-06	5.82E-06	4.01E-07
9734	471468.49	3819816.2	0.000020618	8.66E-05	7.80E-06	1.72E-05	6.36E-05	5.60E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.84E-06	4.02E-07
9735	471464.72	3819825.05	0.000020671	8.68E-05	7.82E-06	1.72E-05	6.38E-05	5.61E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.85E-06	4.03E-07
9736	471460.96	3819833.89	0.000020714	8.70E-05	7.83E-06	1.73E-05	6.39E-05	5.62E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.86E-06	4.04E-07
9737	471457.19	3819842.74	0.000020758	8.72E-05	7.85E-06	1.73E-05	6.41E-05	5.63E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.88E-06	4.05E-07
9738	471453.42	3819851.59	0.000020796	8.73E-05	7.86E-06	1.73E-05	6.42E-05	5.65E-06	1.96E-06	1.12E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
9739	471449.65	3819860.44	0.00002083	8.75E-05	7.88E-06	1.74E-05	6.43E-05	5.65E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.90E-06	4.06E-07
9740	471445.89	3819869.28	0.000020863	8.76E-05	7.89E-06	1.74E-05	6.44E-05	5.66E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.07E-07
9741	471442.12	3819878.13	0.000020887	8.77E-05	7.90E-06	1.74E-05	6.45E-05	5.67E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.08E-07
9742	471438.35	3819886.98	0.000020907	8.78E-05	7.91E-06	1.74E-05	6.45E-05	5.68E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.92E-06	4.08E-07
9743	471434.58	3819895.82	0.000020926	8.79E-05	7.91E-06	1.74E-05	6.46E-05	5.68E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.92E-06	4.08E-07
9744	471430.82	3819904.67	0.000020936	8.79E-05	7.92E-06	1.74E-05	6.46E-05	5.68E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
9745	471427.05	3819913.52	0.000020945	8.80E-05	7.92E-06	1.74E-05	6.46E-05	5.69E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
9746	471423.28	3819922.36	0.00002095	8.80E-05	7.92E-06	1.75E-05	6.46E-05	5.69E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
9747	471419.51	3819931.21	0.00002095	8.80E-05	7.92E-06	1.75E-05	6.46E-05	5.69E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
9748	471415.74	3819940.06	0.000020945	8.80E-05	7.92E-06	1.74E-05	6.46E-05	5.69E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
9749	471411.98	3819948.91	0.000020936	8.79E-05	7.92E-06	1.74E-05	6.46E-05	5.68E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
9750	471408.21	3819957.75	0.000020926	8.79E-05	7.91E-06	1.74E-05	6.46E-05	5.68E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.92E-06	4.08E-07
9751	471404.44	3819966.6	0.000020912	8.78E-05	7.91E-06	1.74E-05	6.45E-05	5.68E-06	1.97E-06	1.13E-05	1.35E-06	1.80E-06	5.92E-06	4.08E-07
9752	471400.67	3819975.45	0.000020892	8.77E-05	7.90E-06	1.74E-05	6.45E-05	5.67E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.08E-07
9753	471396.91	3819984.29	0.000020873	8.77E-05	7.89E-06	1.74E-05	6.44E-05	5.67E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.07E-07
9754	471393.14	3819993.14	0.000020849	8.76E-05	7.88E-06	1.74E-05	6.43E-05	5.66E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.90E-06	4.07E-07
9755	471389.37	3820001.99	0.000020825	8.75E-05	7.88E-06	1.73E-05	6.43E-05	5.65E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
9756	471385.6	3820010.83	0.000020796	8.73E-05	7.86E-06	1.73E-05	6.42E-05	5.65E-06	1.96E-06	1.12E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
9757	471381.84	3820019.68	0.000020767	8.72E-05	7.85E-06	1.73E-05	6.41E-05	5.64E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.88E-06	4.05E-07

9758	471378.07	3820028.53	0.000020738	8.71E-05	7.84E-06	1.73E-05	6.40E-05	5.63E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.87E-06	4.05E-07
9759	471374.3	3820037.38	0.000020705	8.70E-05	7.83E-06	1.72E-05	6.39E-05	5.62E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.86E-06	4.04E-07
9760	471370.53	3820046.22	0.000020671	8.68E-05	7.82E-06	1.72E-05	6.38E-05	5.61E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.85E-06	4.03E-07
9761	471366.76	3820055.07	0.000020637	8.67E-05	7.80E-06	1.72E-05	6.37E-05	5.60E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.84E-06	4.03E-07
9762	471363	3820063.92	0.000020599	8.65E-05	7.79E-06	1.72E-05	6.36E-05	5.59E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.83E-06	4.02E-07
9763	471359.23	3820072.76	0.000020565	8.64E-05	7.78E-06	1.71E-05	6.35E-05	5.58E-06	1.94E-06	1.11E-05	1.33E-06	1.77E-06	5.82E-06	4.01E-07
9764	471355.46	3820081.61	0.000020527	8.62E-05	7.76E-06	1.71E-05	6.33E-05	5.57E-06	1.94E-06	1.11E-05	1.32E-06	1.76E-06	5.81E-06	4.01E-07
9765	471351.69	3820090.46	0.000020493	8.61E-05	7.75E-06	1.71E-05	6.32E-05	5.56E-06	1.94E-06	1.11E-05	1.32E-06	1.76E-06	5.80E-06	4.00E-07
9766	471347.93	3820099.3	0.000020459	8.59E-05	7.74E-06	1.70E-05	6.31E-05	5.55E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.79E-06	3.99E-07
9767	471344.16	3820108.15	0.000020421	8.58E-05	7.72E-06	1.70E-05	6.30E-05	5.54E-06	1.93E-06	1.10E-05	1.32E-06	1.75E-06	5.78E-06	3.98E-07
9768	471340.39	3820117	0.000020387	8.56E-05	7.71E-06	1.70E-05	6.29E-05	5.53E-06	1.93E-06	1.10E-05	1.31E-06	1.75E-06	5.77E-06	3.98E-07
9769	471336.62	3820125.85	0.000020353	8.55E-05	7.70E-06	1.70E-05	6.28E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.76E-06	3.97E-07
9770	471332.86	3820134.69	0.000020315	8.53E-05	7.68E-06	1.69E-05	6.27E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.75E-06	3.96E-07
9771	471329.09	3820143.54	0.000020277	8.52E-05	7.67E-06	1.69E-05	6.26E-05	5.50E-06	1.91E-06	1.10E-05	1.31E-06	1.74E-06	5.74E-06	3.96E-07
9772	471325.32	3820152.39	0.000020238	8.50E-05	7.65E-06	1.69E-05	6.25E-05	5.49E-06	1.91E-06	1.09E-05	1.31E-06	1.74E-06	5.73E-06	3.95E-07
9773	471321.55	3820161.23	0.000020204	8.48E-05	7.64E-06	1.68E-05	6.23E-05	5.48E-06	1.91E-06	1.09E-05	1.30E-06	1.73E-06	5.72E-06	3.94E-07
9774	471317.78	3820170.08	0.000020171	8.47E-05	7.63E-06	1.68E-05	6.22E-05	5.48E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.71E-06	3.94E-07
9775	471314.02	3820178.93	0.000020137	8.46E-05	7.62E-06	1.68E-05	6.21E-05	5.47E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.70E-06	3.93E-07
9776	471310.25	3820187.77	0.000020103	8.44E-05	7.60E-06	1.67E-05	6.20E-05	5.46E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.69E-06	3.92E-07
9777	471306.48	3820196.62	0.000020065	8.43E-05	7.59E-06	1.67E-05	6.19E-05	5.45E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.68E-06	3.92E-07
9778	471302.71	3820205.47	0.000020031	8.41E-05	7.58E-06	1.67E-05	6.18E-05	5.44E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.67E-06	3.91E-07
9779	471298.95	3820214.32	0.000019998	8.40E-05	7.56E-06	1.67E-05	6.17E-05	5.43E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.66E-06	3.90E-07
9780	471295.18	3820223.16	0.000019964	8.38E-05	7.55E-06	1.66E-05	6.16E-05	5.42E-06	1.89E-06	1.08E-05	1.29E-06	1.71E-06	5.65E-06	3.90E-07
9781	471291.41	3820232.01	0.000019925	8.37E-05	7.54E-06	1.66E-05	6.15E-05	5.41E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.64E-06	3.89E-07
9782	471287.64	3820240.86	0.000019887	8.35E-05	7.52E-06	1.66E-05	6.14E-05	5.40E-06	1.88E-06	1.08E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
9783	471283.87	3820249.7	0.000019848	8.34E-05	7.51E-06	1.65E-05	6.12E-05	5.39E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.62E-06	3.87E-07
9784	471280.11	3820258.55	0.000019805	8.32E-05	7.49E-06	1.65E-05	6.11E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.61E-06	3.86E-07
9785	471276.34	3820267.4	0.000019762	8.30E-05	7.47E-06	1.65E-05	6.10E-05	5.36E-06	1.87E-06	1.07E-05	1.27E-06	1.70E-06	5.59E-06	3.86E-07
9786	471272.57	3820276.24	0.000019718	8.28E-05	7.46E-06	1.64E-05	6.08E-05	5.35E-06	1.86E-06	1.07E-05	1.27E-06	1.69E-06	5.58E-06	3.85E-07
9787	471268.8	3820285.09	0.00001968	8.26E-05	7.44E-06	1.64E-05	6.07E-05	5.34E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.57E-06	3.84E-07
9788	471265.04	3820293.94	0.000019632	8.24E-05	7.42E-06	1.64E-05	6.06E-05	5.33E-06	1.85E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.83E-07
9789	471261.27	3820302.79	0.000019584	8.22E-05	7.41E-06	1.63E-05	6.04E-05	5.32E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.54E-06	3.82E-07
9790	471257.5	3820311.63	0.000019536	8.20E-05	7.39E-06	1.63E-05	6.03E-05	5.30E-06	1.84E-06	1.06E-05	1.26E-06	1.68E-06	5.53E-06	3.81E-07
9791	471253.73	3820320.48	0.000019488	8.18E-05	7.37E-06	1.62E-05	6.01E-05	5.29E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.52E-06	3.80E-07
9792	471249.97	3820329.33	0.000019435	8.16E-05	7.35E-06	1.62E-05	6.00E-05	5.28E-06	1.84E-06	1.05E-05	1.25E-06	1.67E-06	5.50E-06	3.79E-07
9793	471246.2	3820338.17	0.000019382	8.14E-05	7.33E-06	1.61E-05	5.98E-05	5.26E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.49E-06	3.78E-07
9794	471242.43	3820347.02	0.000019324	8.12E-05	7.31E-06	1.61E-05	5.96E-05	5.25E-06	1.82E-06	1.04E-05	1.25E-06	1.66E-06	5.47E-06	3.77E-07
9795	471238.66	3820355.87	0.000019266	8.09E-05	7.29E-06	1.60E-05	5.95E-05	5.23E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.45E-06	3.76E-07
9796	471234.89	3820364.72	0.000019209	8.07E-05	7.26E-06	1.60E-05	5.93E-05	5.21E-06	1.81E-06	1.04E-05	1.24E-06	1.65E-06	5.44E-06	3.75E-07
9797	471231.13	3820373.56	0.000019146	8.04E-05	7.24E-06	1.59E-05	5.91E-05	5.20E-06	1.81E-06	1.04E-05	1.23E-06	1.64E-06	5.42E-06	3.74E-07
9798	471227.36	3820382.41	0.000019079	8.01E-05	7.22E-06	1.59E-05	5.89E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
9799	471223.59	3820391.26	0.000019016	7.99E-05	7.19E-06	1.58E-05	5.87E-05	5.16E-06	1.80E-06	1.03E-05	1.23E-06	1.63E-06	5.38E-06	3.71E-07
9800	471219.82	3820400.1	0.000018949	7.96E-05	7.17E-06	1.58E-05	5.85E-05	5.14E-06	1.79E-06	1.02E-05	1.22E-06	1.63E-06	5.36E-06	3.70E-07

9801	471207.13	3820412.52	0.000018978	7.97E-05	7.18E-06	1.58E-05	5.86E-05	5.15E-06	1.79E-06	1.03E-05	1.22E-06	1.63E-06	5.37E-06	3.70E-07
9802	471198.2	3820416.09	0.000019079	8.01E-05	7.22E-06	1.59E-05	5.89E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
9803	471189.27	3820419.65	0.00001918	8.05E-05	7.25E-06	1.60E-05	5.92E-05	5.21E-06	1.81E-06	1.04E-05	1.24E-06	1.65E-06	5.43E-06	3.74E-07
9804	471180.34	3820423.22	0.000019276	8.10E-05	7.29E-06	1.61E-05	5.95E-05	5.23E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.46E-06	3.76E-07
9805	471171.41	3820426.79	0.000019372	8.14E-05	7.33E-06	1.61E-05	5.98E-05	5.26E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.48E-06	3.78E-07
9806	471162.48	3820430.36	0.000019464	8.17E-05	7.36E-06	1.62E-05	6.01E-05	5.28E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.51E-06	3.80E-07
9807	471153.55	3820433.92	0.000019555	8.21E-05	7.40E-06	1.63E-05	6.03E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.54E-06	3.82E-07
9808	471144.62	3820437.49	0.000019646	8.25E-05	7.43E-06	1.64E-05	6.06E-05	5.33E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.83E-07
9809	471135.69	3820441.06	0.000019738	8.29E-05	7.46E-06	1.64E-05	6.09E-05	5.36E-06	1.86E-06	1.07E-05	1.27E-06	1.69E-06	5.59E-06	3.85E-07
9810	471126.76	3820444.63	0.000019824	8.33E-05	7.50E-06	1.65E-05	6.12E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.61E-06	3.87E-07
9811	471117.83	3820448.2	0.000019911	8.36E-05	7.53E-06	1.66E-05	6.14E-05	5.41E-06	1.88E-06	1.08E-05	1.28E-06	1.71E-06	5.64E-06	3.89E-07
9812	471108.9	3820451.76	0.000019993	8.40E-05	7.56E-06	1.67E-05	6.17E-05	5.43E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.66E-06	3.90E-07
9813	471099.97	3820455.33	0.000020079	8.43E-05	7.59E-06	1.67E-05	6.20E-05	5.45E-06	1.90E-06	1.09E-05	1.30E-06	1.72E-06	5.68E-06	3.92E-07
9814	471091.04	3820458.9	0.000020161	8.47E-05	7.62E-06	1.68E-05	6.22E-05	5.47E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.71E-06	3.93E-07
9815	471082.11	3820462.47	0.000020243	8.50E-05	7.66E-06	1.69E-05	6.25E-05	5.50E-06	1.91E-06	1.09E-05	1.31E-06	1.74E-06	5.73E-06	3.95E-07
9816	471073.18	3820466.03	0.00002032	8.53E-05	7.68E-06	1.69E-05	6.27E-05	5.52E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.75E-06	3.96E-07
9817	471064.25	3820469.6	0.000020402	8.57E-05	7.72E-06	1.70E-05	6.30E-05	5.54E-06	1.93E-06	1.10E-05	1.32E-06	1.75E-06	5.77E-06	3.98E-07
9818	471055.32	3820473.17	0.000020483	8.60E-05	7.75E-06	1.71E-05	6.32E-05	5.56E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.80E-06	4.00E-07
9819	471046.4	3820476.74	0.00002057	8.64E-05	7.78E-06	1.71E-05	6.35E-05	5.58E-06	1.94E-06	1.11E-05	1.33E-06	1.77E-06	5.82E-06	4.01E-07
9820	471037.47	3820480.31	0.000020652	8.67E-05	7.81E-06	1.72E-05	6.37E-05	5.61E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.85E-06	4.03E-07
9821	471028.54	3820483.87	0.000020738	8.71E-05	7.84E-06	1.73E-05	6.40E-05	5.63E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.87E-06	4.05E-07
9822	471019.61	3820487.44	0.000020825	8.75E-05	7.88E-06	1.73E-05	6.43E-05	5.65E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
9823	471010.68	3820491.01	0.000020921	8.79E-05	7.91E-06	1.74E-05	6.46E-05	5.68E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.92E-06	4.08E-07
9824	470974.96	3820505.28	0.000021325	8.96E-05	8.07E-06	1.78E-05	6.58E-05	5.79E-06	2.01E-06	1.15E-05	1.38E-06	1.83E-06	6.04E-06	4.16E-07
9825	470966.03	3820508.85	0.000021436	9.00E-05	8.11E-06	1.79E-05	6.61E-05	5.82E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.07E-06	4.18E-07
9826	470957.1	3820512.42	0.000021556	9.05E-05	8.15E-06	1.80E-05	6.65E-05	5.85E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.10E-06	4.21E-07
9827	470948.17	3820515.98	0.000021676	9.10E-05	8.20E-06	1.81E-05	6.69E-05	5.88E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.23E-07
9828	470939.24	3820519.55	0.000021806	9.16E-05	8.25E-06	1.82E-05	6.73E-05	5.92E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.17E-06	4.25E-07
9829	470930.31	3820523.12	0.000021941	9.21E-05	8.30E-06	1.83E-05	6.77E-05	5.96E-06	2.07E-06	1.19E-05	1.42E-06	1.88E-06	6.21E-06	4.28E-07
9830	470921.38	3820526.69	0.00002208	9.27E-05	8.35E-06	1.84E-05	6.81E-05	5.99E-06	2.09E-06	1.19E-05	1.42E-06	1.90E-06	6.25E-06	4.31E-07
9831	470849.95	3820555.23	0.000023452	9.85E-05	8.87E-06	1.95E-05	7.24E-05	6.37E-06	2.21E-06	1.27E-05	1.51E-06	2.01E-06	6.64E-06	4.58E-07
9832	470841.02	3820558.8	0.000023649	9.93E-05	8.94E-06	1.97E-05	7.30E-05	6.42E-06	2.23E-06	1.28E-05	1.53E-06	2.03E-06	6.69E-06	4.61E-07
9833	470832.09	3820562.36	0.00002386	1.00E-04	9.02E-06	1.99E-05	7.36E-05	6.48E-06	2.25E-06	1.29E-05	1.54E-06	2.05E-06	6.75E-06	4.66E-07
9834	470823.16	3820565.93	0.000024082	1.01E-04	9.11E-06	2.01E-05	7.43E-05	6.54E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.82E-06	4.70E-07
9835	470814.23	3820569.5	0.000024303	1.02E-04	9.19E-06	2.02E-05	7.50E-05	6.60E-06	2.29E-06	1.31E-05	1.57E-06	2.09E-06	6.88E-06	4.74E-07
9836	470805.3	3820573.07	0.000024524	1.03E-04	9.27E-06	2.04E-05	7.57E-05	6.66E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.94E-06	4.79E-07
9837	470796.37	3820576.63	0.000024755	1.04E-04	9.36E-06	2.06E-05	7.64E-05	6.72E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.01E-06	4.83E-07
9838	470787.44	3820580.2	0.000024991	1.05E-04	9.45E-06	2.08E-05	7.71E-05	6.78E-06	2.36E-06	1.35E-05	1.61E-06	2.15E-06	7.07E-06	4.88E-07
9839	470778.51	3820583.77	0.000025227	1.06E-04	9.54E-06	2.10E-05	7.78E-05	6.85E-06	2.38E-06	1.36E-05	1.63E-06	2.17E-06	7.14E-06	4.92E-07
9840	470769.58	3820587.34	0.000025462	1.07E-04	9.63E-06	2.12E-05	7.86E-05	6.91E-06	2.40E-06	1.38E-05	1.64E-06	2.19E-06	7.21E-06	4.97E-07
9841	470760.65	3820590.91	0.000025698	1.08E-04	9.72E-06	2.14E-05	7.93E-05	6.98E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.27E-06	5.01E-07
9842	470751.72	3820594.47	0.000025934	1.09E-04	9.81E-06	2.16E-05	8.00E-05	7.04E-06	2.45E-06	1.40E-05	1.67E-06	2.23E-06	7.34E-06	5.06E-07
9843	470742.79	3820598.04	0.000026165	1.10E-04	9.90E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07

9844	470733.86	3820601.61	0.00002641	1.11E-04	9.99E-06	2.20E-05	8.15E-05	7.17E-06	2.49E-06	1.43E-05	1.70E-06	2.27E-06	7.48E-06	5.15E-07
9845	470724.93	3820605.18	0.000026665	1.12E-04	1.01E-05	2.22E-05	8.23E-05	7.24E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.55E-06	5.20E-07
9846	470716	3820608.74	0.00002692	1.13E-04	1.02E-05	2.24E-05	8.31E-05	7.31E-06	2.54E-06	1.46E-05	1.74E-06	2.31E-06	7.62E-06	5.25E-07
9847	470707.07	3820612.31	0.000027184	1.14E-04	1.03E-05	2.26E-05	8.39E-05	7.38E-06	2.57E-06	1.47E-05	1.75E-06	2.33E-06	7.69E-06	5.30E-07
9848	470698.14	3820615.88	0.000027444	1.15E-04	1.04E-05	2.29E-05	8.47E-05	7.45E-06	2.59E-06	1.48E-05	1.77E-06	2.36E-06	7.77E-06	5.36E-07
9849	470689.21	3820619.45	0.000027704	1.16E-04	1.05E-05	2.31E-05	8.55E-05	7.52E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.84E-06	5.41E-07
9850	470680.28	3820623.02	0.000027954	1.17E-04	1.06E-05	2.33E-05	8.63E-05	7.59E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.91E-06	5.45E-07
9851	470671.36	3820626.58	0.00002819	1.18E-04	1.07E-05	2.35E-05	8.70E-05	7.65E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
9852	470662.43	3820630.15	0.000028421	1.19E-04	1.07E-05	2.37E-05	8.77E-05	7.71E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.04E-06	5.55E-07
9853	470653.5	3820633.72	0.000028642	1.20E-04	1.08E-05	2.39E-05	8.84E-05	7.78E-06	2.70E-06	1.55E-05	1.85E-06	2.46E-06	8.11E-06	5.59E-07
9854	470644.57	3820637.29	0.000028859	1.21E-04	1.09E-05	2.40E-05	8.91E-05	7.83E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.17E-06	5.63E-07
9855	470635.64	3820640.85	0.00002907	1.22E-04	1.10E-05	2.42E-05	8.97E-05	7.89E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.23E-06	5.67E-07
9856	470626.71	3820644.42	0.000029277	1.23E-04	1.11E-05	2.44E-05	9.03E-05	7.95E-06	2.76E-06	1.58E-05	1.89E-06	2.51E-06	8.29E-06	5.71E-07
9857	470617.78	3820647.99	0.000029479	1.24E-04	1.11E-05	2.46E-05	9.10E-05	8.00E-06	2.78E-06	1.59E-05	1.90E-06	2.53E-06	8.34E-06	5.75E-07
9858	470608.85	3820651.56	0.000029667	1.25E-04	1.12E-05	2.47E-05	9.15E-05	8.05E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.40E-06	5.79E-07
9859	470599.92	3820655.13	0.000029845	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.93E-06	2.56E-06	8.45E-06	5.82E-07
9860	470590.99	3820658.69	0.000030013	1.26E-04	1.14E-05	2.50E-05	9.26E-05	8.15E-06	2.83E-06	1.62E-05	1.94E-06	2.58E-06	8.50E-06	5.86E-07
9861	470582.06	3820662.26	0.000030181	1.27E-04	1.14E-05	2.51E-05	9.31E-05	8.19E-06	2.85E-06	1.63E-05	1.95E-06	2.59E-06	8.54E-06	5.89E-07
9862	470573.13	3820665.83	0.00003035	1.27E-04	1.15E-05	2.53E-05	9.37E-05	8.24E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.59E-06	5.92E-07
9863	470564.2	3820669.4	0.000030518	1.28E-04	1.15E-05	2.54E-05	9.42E-05	8.28E-06	2.88E-06	1.65E-05	1.97E-06	2.62E-06	8.64E-06	5.96E-07
9864	470555.27	3820672.96	0.000030677	1.29E-04	1.16E-05	2.56E-05	9.47E-05	8.33E-06	2.90E-06	1.66E-05	1.98E-06	2.63E-06	8.68E-06	5.99E-07
9865	470546.34	3820676.53	0.000030821	1.29E-04	1.17E-05	2.57E-05	9.51E-05	8.37E-06	2.91E-06	1.67E-05	1.99E-06	2.65E-06	8.72E-06	6.01E-07
9866	470537.41	3820680.1	0.000030951	1.30E-04	1.17E-05	2.58E-05	9.55E-05	8.40E-06	2.92E-06	1.67E-05	2.00E-06	2.66E-06	8.76E-06	6.04E-07
9867	470528.48	3820683.67	0.000031062	1.30E-04	1.17E-05	2.59E-05	9.59E-05	8.43E-06	2.93E-06	1.68E-05	2.00E-06	2.67E-06	8.79E-06	6.06E-07
9868	470519.55	3820687.24	0.000031153	1.31E-04	1.18E-05	2.59E-05	9.61E-05	8.46E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.82E-06	6.08E-07
9869	470510.62	3820690.8	0.00003123	1.31E-04	1.18E-05	2.60E-05	9.64E-05	8.48E-06	2.95E-06	1.69E-05	2.01E-06	2.68E-06	8.84E-06	6.09E-07
9870	470501.69	3820694.37	0.000031302	1.31E-04	1.18E-05	2.61E-05	9.66E-05	8.50E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.86E-06	6.11E-07
9871	470492.76	3820697.94	0.000031355	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.51E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
9872	470483.84	3820701.51	0.000031399	1.32E-04	1.19E-05	2.62E-05	9.69E-05	8.52E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.89E-06	6.13E-07
9873	470474.91	3820705.07	0.000031432	1.32E-04	1.19E-05	2.62E-05	9.70E-05	8.53E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.90E-06	6.13E-07
9874	470465.98	3820708.64	0.000031471	1.32E-04	1.19E-05	2.62E-05	9.71E-05	8.54E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.91E-06	6.14E-07
9875	470457.05	3820712.21	0.000031519	1.32E-04	1.19E-05	2.63E-05	9.73E-05	8.56E-06	2.98E-06	1.70E-05	2.03E-06	2.71E-06	8.92E-06	6.15E-07
9876	470448.12	3820715.78	0.000031572	1.33E-04	1.19E-05	2.63E-05	9.74E-05	8.57E-06	2.98E-06	1.71E-05	2.04E-06	2.71E-06	8.94E-06	6.16E-07
9877	470439.19	3820719.35	0.000031625	1.33E-04	1.20E-05	2.63E-05	9.76E-05	8.58E-06	2.99E-06	1.71E-05	2.04E-06	2.71E-06	8.95E-06	6.17E-07
9878	470430.26	3820722.91	0.000031668	1.33E-04	1.20E-05	2.64E-05	9.77E-05	8.60E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.96E-06	6.18E-07
9879	470421.33	3820726.48	0.000031711	1.33E-04	1.20E-05	2.64E-05	9.79E-05	8.61E-06	2.99E-06	1.71E-05	2.05E-06	2.72E-06	8.98E-06	6.19E-07
9880	470412.4	3820730.05	0.000031755	1.33E-04	1.20E-05	2.65E-05	9.80E-05	8.62E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	8.99E-06	6.20E-07
9881	470403.47	3820733.62	0.000031803	1.34E-04	1.20E-05	2.65E-05	9.81E-05	8.63E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	9.00E-06	6.21E-07
9882	470394.54	3820737.18	0.000031851	1.34E-04	1.20E-05	2.65E-05	9.83E-05	8.65E-06	3.01E-06	1.72E-05	2.05E-06	2.73E-06	9.02E-06	6.22E-07
9883	470385.61	3820740.75	0.000031899	1.34E-04	1.21E-05	2.66E-05	9.84E-05	8.66E-06	3.01E-06	1.72E-05	2.06E-06	2.74E-06	9.03E-06	6.22E-07
9884	470376.68	3820744.32	0.000031952	1.34E-04	1.21E-05	2.66E-05	9.86E-05	8.67E-06	3.02E-06	1.73E-05	2.06E-06	2.74E-06	9.04E-06	6.23E-07
9885	470367.75	3820747.89	0.000032024	1.34E-04	1.21E-05	2.67E-05	9.88E-05	8.69E-06	3.02E-06	1.73E-05	2.07E-06	2.75E-06	9.07E-06	6.25E-07
9886	470358.82	3820751.45	0.000032096	1.35E-04	1.21E-05	2.67E-05	9.90E-05	8.71E-06	3.03E-06	1.74E-05	2.07E-06	2.76E-06	9.09E-06	6.26E-07

9887	470349.89	3820755.02	0.000032178	1.35E-04	1.22E-05	2.68E-05	9.93E-05	8.73E-06	3.04E-06	1.74E-05	2.08E-06	2.76E-06	9.11E-06	6.28E-07
9888	470340.96	3820758.59	0.000032264	1.36E-04	1.22E-05	2.69E-05	9.96E-05	8.76E-06	3.05E-06	1.74E-05	2.08E-06	2.77E-06	9.13E-06	6.30E-07
9889	470332.03	3820762.16	0.000032351	1.36E-04	1.22E-05	2.69E-05	9.98E-05	8.78E-06	3.05E-06	1.75E-05	2.09E-06	2.78E-06	9.16E-06	6.31E-07
9890	470323.1	3820765.73	0.000032447	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.81E-06	3.06E-06	1.75E-05	2.09E-06	2.79E-06	9.18E-06	6.33E-07
9891	470314.17	3820769.29	0.000032534	1.37E-04	1.23E-05	2.71E-05	1.00E-04	8.83E-06	3.07E-06	1.76E-05	2.10E-06	2.79E-06	9.21E-06	6.35E-07
9892	470305.24	3820772.86	0.00003263	1.37E-04	1.23E-05	2.72E-05	1.01E-04	8.86E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.24E-06	6.37E-07
9893	470296.32	3820776.43	0.000032726	1.37E-04	1.24E-05	2.73E-05	1.01E-04	8.88E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.26E-06	6.39E-07
9894	470287.39	3820780	0.000032827	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.91E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.41E-07
9895	470278.46	3820783.56	0.000032943	1.38E-04	1.25E-05	2.74E-05	1.02E-04	8.94E-06	3.11E-06	1.78E-05	2.12E-06	2.83E-06	9.32E-06	6.43E-07
9896	470269.53	3820787.13	0.000033063	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.98E-06	3.12E-06	1.79E-05	2.13E-06	2.84E-06	9.36E-06	6.45E-07
9897	471619.2	3819462.32	0.000016794	7.05E-05	6.35E-06	1.40E-05	5.18E-05	4.56E-06	1.59E-06	9.08E-06	1.08E-06	1.44E-06	4.75E-06	3.28E-07
9898	471619.28	3819452.67	0.00001675	7.03E-05	6.33E-06	1.40E-05	5.17E-05	4.55E-06	1.58E-06	9.06E-06	1.08E-06	1.44E-06	4.74E-06	3.27E-07
9899	471619.37	3819443.02	0.000016702	7.01E-05	6.32E-06	1.39E-05	5.15E-05	4.53E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
9900	471619.45	3819433.37	0.000016654	6.99E-05	6.30E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.00E-06	1.07E-06	1.43E-06	4.71E-06	3.25E-07
9901	471619.53	3819423.73	0.000016596	6.97E-05	6.28E-06	1.38E-05	5.12E-05	4.51E-06	1.57E-06	8.97E-06	1.07E-06	1.42E-06	4.70E-06	3.24E-07
9902	471619.61	3819414.08	0.000016534	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.49E-06	1.56E-06	8.94E-06	1.07E-06	1.42E-06	4.68E-06	3.23E-07
9903	471619.7	3819404.43	0.000016471	6.92E-05	6.23E-06	1.37E-05	5.08E-05	4.47E-06	1.56E-06	8.90E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
9904	471619.78	3819394.78	0.000016399	6.89E-05	6.20E-06	1.37E-05	5.06E-05	4.45E-06	1.55E-06	8.87E-06	1.06E-06	1.41E-06	4.64E-06	3.20E-07
9905	471619.86	3819385.13	0.000016322	6.85E-05	6.17E-06	1.36E-05	5.04E-05	4.43E-06	1.54E-06	8.82E-06	1.05E-06	1.40E-06	4.62E-06	3.18E-07
9906	471619.95	3819375.49	0.00001624	6.82E-05	6.14E-06	1.35E-05	5.01E-05	4.41E-06	1.53E-06	8.78E-06	1.05E-06	1.39E-06	4.60E-06	3.17E-07
9907	471620.03	3819365.84	0.000016154	6.78E-05	6.11E-06	1.35E-05	4.98E-05	4.39E-06	1.53E-06	8.73E-06	1.04E-06	1.39E-06	4.57E-06	3.15E-07
9908	471620.11	3819356.19	0.000016062	6.75E-05	6.07E-06	1.34E-05	4.96E-05	4.36E-06	1.52E-06	8.68E-06	1.04E-06	1.38E-06	4.55E-06	3.13E-07
9909	471620.19	3819346.54	0.000015966	6.71E-05	6.04E-06	1.33E-05	4.93E-05	4.33E-06	1.51E-06	8.63E-06	1.03E-06	1.37E-06	4.52E-06	3.12E-07
9910	471620.28	3819336.89	0.00001586	6.66E-05	6.00E-06	1.32E-05	4.89E-05	4.31E-06	1.50E-06	8.57E-06	1.02E-06	1.36E-06	4.49E-06	3.09E-07
9911	471620.36	3819327.24	0.00001575	6.61E-05	5.96E-06	1.31E-05	4.86E-05	4.28E-06	1.49E-06	8.51E-06	1.02E-06	1.35E-06	4.46E-06	3.07E-07
9912	471620.44	3819317.6	0.000015634	6.57E-05	5.91E-06	1.30E-05	4.82E-05	4.24E-06	1.48E-06	8.45E-06	1.01E-06	1.34E-06	4.43E-06	3.05E-07
9913	471620.52	3819307.95	0.000015519	6.52E-05	5.87E-06	1.29E-05	4.79E-05	4.21E-06	1.47E-06	8.39E-06	1.00E-06	1.33E-06	4.39E-06	3.03E-07
9914	471620.61	3819298.3	0.000015394	6.46E-05	5.82E-06	1.28E-05	4.75E-05	4.18E-06	1.45E-06	8.32E-06	9.93E-07	1.32E-06	4.36E-06	3.00E-07
9915	471620.69	3819288.65	0.000015269	6.41E-05	5.77E-06	1.27E-05	4.71E-05	4.14E-06	1.44E-06	8.25E-06	9.85E-07	1.31E-06	4.32E-06	2.98E-07
9916	471620.77	3819279	0.000015134	6.36E-05	5.72E-06	1.26E-05	4.67E-05	4.11E-06	1.43E-06	8.18E-06	9.76E-07	1.30E-06	4.28E-06	2.95E-07
9917	471620.86	3819269.36	0.000014999	6.30E-05	5.67E-06	1.25E-05	4.63E-05	4.07E-06	1.42E-06	8.11E-06	9.67E-07	1.29E-06	4.25E-06	2.93E-07
9918	471620.94	3819259.71	0.000014855	6.24E-05	5.62E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.03E-06	9.58E-07	1.28E-06	4.20E-06	2.90E-07
9919	471695.45	3819471.8	0.000015115	6.35E-05	5.72E-06	1.26E-05	4.66E-05	4.10E-06	1.43E-06	8.17E-06	9.75E-07	1.30E-06	4.28E-06	2.95E-07
9920	471691.7	3819480.6	0.000015216	6.39E-05	5.75E-06	1.27E-05	4.70E-05	4.13E-06	1.44E-06	8.23E-06	9.81E-07	1.31E-06	4.31E-06	2.97E-07
9921	471687.96	3819489.4	0.000015322	6.43E-05	5.79E-06	1.28E-05	4.73E-05	4.16E-06	1.45E-06	8.28E-06	9.88E-07	1.32E-06	4.34E-06	2.99E-07
9922	471684.21	3819498.2	0.000015423	6.48E-05	5.83E-06	1.28E-05	4.76E-05	4.19E-06	1.46E-06	8.34E-06	9.95E-07	1.32E-06	4.37E-06	3.01E-07
9923	471680.46	3819507	0.000015524	6.52E-05	5.87E-06	1.29E-05	4.79E-05	4.21E-06	1.47E-06	8.39E-06	1.00E-06	1.33E-06	4.39E-06	3.03E-07
9924	471676.71	3819515.8	0.00001562	6.56E-05	5.91E-06	1.30E-05	4.82E-05	4.24E-06	1.48E-06	8.44E-06	1.01E-06	1.34E-06	4.42E-06	3.05E-07
9925	471672.97	3819524.6	0.000015716	6.60E-05	5.94E-06	1.31E-05	4.85E-05	4.27E-06	1.48E-06	8.50E-06	1.01E-06	1.35E-06	4.45E-06	3.07E-07
9926	471669.22	3819533.4	0.000015812	6.64E-05	5.98E-06	1.32E-05	4.88E-05	4.29E-06	1.49E-06	8.55E-06	1.02E-06	1.36E-06	4.48E-06	3.09E-07
9927	471665.47	3819542.2	0.000015909	6.68E-05	6.02E-06	1.33E-05	4.91E-05	4.32E-06	1.50E-06	8.60E-06	1.03E-06	1.37E-06	4.50E-06	3.10E-07
9928	471661.72	3819551	0.000016	6.72E-05	6.05E-06	1.33E-05	4.94E-05	4.34E-06	1.51E-06	8.65E-06	1.03E-06	1.37E-06	4.53E-06	3.12E-07
9929	471657.98	3819559.8	0.000016091	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07

9930	471654.23	3819568.6	0.000016178	6.79E-05	6.12E-06	1.35E-05	4.99E-05	4.39E-06	1.53E-06	8.75E-06	1.04E-06	1.39E-06	4.58E-06	3.16E-07
9931	471650.48	3819577.4	0.000016269	6.83E-05	6.15E-06	1.36E-05	5.02E-05	4.42E-06	1.54E-06	8.80E-06	1.05E-06	1.40E-06	4.61E-06	3.17E-07
9932	471646.73	3819586.2	0.000016356	6.87E-05	6.19E-06	1.36E-05	5.05E-05	4.44E-06	1.54E-06	8.84E-06	1.05E-06	1.40E-06	4.63E-06	3.19E-07
9933	471642.99	3819595	0.000016447	6.91E-05	6.22E-06	1.37E-05	5.08E-05	4.46E-06	1.55E-06	8.89E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
9934	471635.49	3819612.6	0.00001662	6.98E-05	6.29E-06	1.38E-05	5.13E-05	4.51E-06	1.57E-06	8.99E-06	1.07E-06	1.43E-06	4.70E-06	3.24E-07
9935	471631.74	3819621.4	0.000016707	7.02E-05	6.32E-06	1.39E-05	5.16E-05	4.54E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
9936	471628	3819630.2	0.000016789	7.05E-05	6.35E-06	1.40E-05	5.18E-05	4.56E-06	1.59E-06	9.08E-06	1.08E-06	1.44E-06	4.75E-06	3.28E-07
9937	471624.25	3819639	0.000016875	7.09E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
9938	471620.5	3819647.8	0.000016957	7.12E-05	6.41E-06	1.41E-05	5.23E-05	4.60E-06	1.60E-06	9.17E-06	1.09E-06	1.46E-06	4.80E-06	3.31E-07
9939	471616.75	3819656.59	0.000017044	7.16E-05	6.45E-06	1.42E-05	5.26E-05	4.63E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.33E-07
9940	471613.01	3819665.39	0.000017126	7.19E-05	6.48E-06	1.43E-05	5.28E-05	4.65E-06	1.62E-06	9.26E-06	1.10E-06	1.47E-06	4.85E-06	3.34E-07
9941	471609.26	3819674.19	0.000017207	7.23E-05	6.51E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.30E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
9942	471605.51	3819682.99	0.000017289	7.26E-05	6.54E-06	1.44E-05	5.34E-05	4.69E-06	1.63E-06	9.35E-06	1.12E-06	1.48E-06	4.89E-06	3.37E-07
9943	471601.76	3819691.79	0.000017371	7.30E-05	6.57E-06	1.45E-05	5.36E-05	4.72E-06	1.64E-06	9.39E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
9944	471598.02	3819700.59	0.000017448	7.33E-05	6.60E-06	1.45E-05	5.38E-05	4.74E-06	1.65E-06	9.43E-06	1.13E-06	1.50E-06	4.94E-06	3.40E-07
9945	471594.27	3819709.39	0.00001753	7.36E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.66E-06	9.48E-06	1.13E-06	1.50E-06	4.96E-06	3.42E-07
9946	471590.52	3819718.19	0.000017607	7.39E-05	6.66E-06	1.47E-05	5.43E-05	4.78E-06	1.66E-06	9.52E-06	1.14E-06	1.51E-06	4.98E-06	3.44E-07
9947	471586.77	3819726.99	0.000017688	7.43E-05	6.69E-06	1.47E-05	5.46E-05	4.80E-06	1.67E-06	9.56E-06	1.14E-06	1.52E-06	5.01E-06	3.45E-07
9948	471583.03	3819735.79	0.000017765	7.46E-05	6.72E-06	1.48E-05	5.48E-05	4.82E-06	1.68E-06	9.60E-06	1.15E-06	1.53E-06	5.03E-06	3.47E-07
9949	471579.28	3819744.59	0.000017838	7.49E-05	6.75E-06	1.49E-05	5.50E-05	4.84E-06	1.68E-06	9.64E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
9950	471575.53	3819753.39	0.000017915	7.52E-05	6.78E-06	1.49E-05	5.53E-05	4.86E-06	1.69E-06	9.68E-06	1.16E-06	1.54E-06	5.07E-06	3.50E-07
9951	471571.78	3819762.19	0.000017987	7.55E-05	6.80E-06	1.50E-05	5.55E-05	4.88E-06	1.70E-06	9.72E-06	1.16E-06	1.54E-06	5.09E-06	3.51E-07
9952	471568.04	3819770.99	0.000018059	7.58E-05	6.83E-06	1.50E-05	5.57E-05	4.90E-06	1.71E-06	9.76E-06	1.16E-06	1.55E-06	5.11E-06	3.52E-07
9953	471564.29	3819779.79	0.000018126	7.61E-05	6.86E-06	1.51E-05	5.59E-05	4.92E-06	1.71E-06	9.80E-06	1.17E-06	1.56E-06	5.13E-06	3.54E-07
9954	471549.3	3819814.99	0.000018381	7.72E-05	6.95E-06	1.53E-05	5.67E-05	4.99E-06	1.74E-06	9.94E-06	1.19E-06	1.58E-06	5.20E-06	3.59E-07
9955	471545.55	3819823.79	0.000018439	7.74E-05	6.97E-06	1.54E-05	5.69E-05	5.01E-06	1.74E-06	9.97E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
9956	471541.8	3819832.59	0.000018492	7.77E-05	6.99E-06	1.54E-05	5.71E-05	5.02E-06	1.75E-06	1.00E-05	1.19E-06	1.59E-06	5.23E-06	3.61E-07
9957	471538.06	3819841.38	0.00001854	7.79E-05	7.01E-06	1.54E-05	5.72E-05	5.03E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.25E-06	3.62E-07
9958	471534.31	3819850.18	0.000018588	7.81E-05	7.03E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.00E-05	1.20E-06	1.60E-06	5.26E-06	3.63E-07
9959	471530.56	3819858.98	0.000018636	7.83E-05	7.05E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.28E-06	3.64E-07
9960	471526.81	3819867.78	0.000018675	7.84E-05	7.06E-06	1.56E-05	5.76E-05	5.07E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.29E-06	3.64E-07
9961	471523.07	3819876.58	0.000018713	7.86E-05	7.08E-06	1.56E-05	5.77E-05	5.08E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.30E-06	3.65E-07
9962	471519.32	3819885.38	0.000018747	7.87E-05	7.09E-06	1.56E-05	5.78E-05	5.09E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
9963	471515.57	3819894.18	0.000018776	7.88E-05	7.10E-06	1.56E-05	5.79E-05	5.10E-06	1.77E-06	1.02E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
9964	471511.82	3819902.98	0.0000188	7.90E-05	7.11E-06	1.57E-05	5.80E-05	5.10E-06	1.78E-06	1.02E-05	1.21E-06	1.61E-06	5.32E-06	3.67E-07
9965	471508.08	3819911.78	0.000018824	7.91E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.62E-06	5.33E-06	3.67E-07
9966	471504.33	3819920.58	0.000018838	7.91E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.33E-06	3.68E-07
9967	471500.58	3819929.38	0.000018853	7.92E-05	7.13E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9968	471496.83	3819938.18	0.000018867	7.92E-05	7.14E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9969	471493.09	3819946.98	0.000018872	7.93E-05	7.14E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9970	471489.34	3819955.78	0.000018877	7.93E-05	7.14E-06	1.57E-05	5.83E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9971	471485.59	3819964.58	0.000018877	7.93E-05	7.14E-06	1.57E-05	5.83E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9972	471481.84	3819973.38	0.000018872	7.93E-05	7.14E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07

9973	471478.1	3819982.18	0.000018867	7.92E-05	7.14E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9974	471474.35	3819990.98	0.000018857	7.92E-05	7.13E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9975	471470.6	3819999.78	0.000018843	7.91E-05	7.13E-06	1.57E-05	5.81E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.33E-06	3.68E-07
9976	471466.85	3820008.58	0.000018829	7.91E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.62E-06	5.33E-06	3.67E-07
9977	471463.11	3820017.38	0.000018814	7.90E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.62E-06	5.33E-06	3.67E-07
9978	471459.36	3820026.17	0.000018795	7.89E-05	7.11E-06	1.57E-05	5.80E-05	5.10E-06	1.77E-06	1.02E-05	1.21E-06	1.61E-06	5.32E-06	3.67E-07
9979	471455.61	3820034.97	0.000018776	7.88E-05	7.10E-06	1.56E-05	5.79E-05	5.10E-06	1.77E-06	1.02E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
9980	471451.86	3820043.77	0.000018752	7.87E-05	7.09E-06	1.56E-05	5.79E-05	5.09E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
9981	471448.12	3820052.57	0.000018728	7.86E-05	7.08E-06	1.56E-05	5.78E-05	5.08E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.30E-06	3.65E-07
9982	471444.37	3820061.37	0.000018703	7.85E-05	7.07E-06	1.56E-05	5.77E-05	5.08E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.29E-06	3.65E-07
9983	471440.62	3820070.17	0.000018675	7.84E-05	7.06E-06	1.56E-05	5.76E-05	5.07E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.29E-06	3.64E-07
9984	471436.87	3820078.97	0.000018651	7.83E-05	7.05E-06	1.55E-05	5.76E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.28E-06	3.64E-07
9985	471433.13	3820087.77	0.000018622	7.82E-05	7.04E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.27E-06	3.63E-07
9986	471429.38	3820096.57	0.000018593	7.81E-05	7.03E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.26E-06	3.63E-07
9987	471425.63	3820105.37	0.000018564	7.80E-05	7.02E-06	1.55E-05	5.73E-05	5.04E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.25E-06	3.62E-07
9988	471421.88	3820114.17	0.000018535	7.78E-05	7.01E-06	1.54E-05	5.72E-05	5.03E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.25E-06	3.62E-07
9989	471418.14	3820122.97	0.000018501	7.77E-05	7.00E-06	1.54E-05	5.71E-05	5.02E-06	1.75E-06	1.00E-05	1.19E-06	1.59E-06	5.24E-06	3.61E-07
9990	471414.39	3820131.77	0.000018473	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.01E-06	1.74E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.60E-07
9991	471410.64	3820140.57	0.000018444	7.75E-05	6.98E-06	1.54E-05	5.69E-05	5.01E-06	1.74E-06	9.97E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
9992	471406.89	3820149.37	0.000018415	7.73E-05	6.96E-06	1.53E-05	5.68E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
9993	471403.15	3820158.17	0.000018381	7.72E-05	6.95E-06	1.53E-05	5.67E-05	4.99E-06	1.74E-06	9.94E-06	1.19E-06	1.58E-06	5.20E-06	3.59E-07
9994	471399.4	3820166.97	0.000018357	7.71E-05	6.94E-06	1.53E-05	5.66E-05	4.98E-06	1.73E-06	9.92E-06	1.18E-06	1.58E-06	5.20E-06	3.58E-07
9995	471395.65	3820175.77	0.000018328	7.70E-05	6.93E-06	1.53E-05	5.66E-05	4.98E-06	1.73E-06	9.91E-06	1.18E-06	1.57E-06	5.19E-06	3.58E-07
9996	471391.9	3820184.57	0.000018299	7.68E-05	6.92E-06	1.52E-05	5.65E-05	4.97E-06	1.73E-06	9.89E-06	1.18E-06	1.57E-06	5.18E-06	3.57E-07
9997	471388.16	3820193.37	0.000018271	7.67E-05	6.91E-06	1.52E-05	5.64E-05	4.96E-06	1.73E-06	9.88E-06	1.18E-06	1.57E-06	5.17E-06	3.57E-07
9998	471384.41	3820202.17	0.000018242	7.66E-05	6.90E-06	1.52E-05	5.63E-05	4.95E-06	1.72E-06	9.86E-06	1.18E-06	1.57E-06	5.16E-06	3.56E-07
9999	471380.66	3820210.97	0.000018213	7.65E-05	6.89E-06	1.52E-05	5.62E-05	4.94E-06	1.72E-06	9.85E-06	1.17E-06	1.56E-06	5.16E-06	3.55E-07
10000	471376.91	3820219.76	0.000018184	7.64E-05	6.88E-06	1.51E-05	5.61E-05	4.94E-06	1.72E-06	9.83E-06	1.17E-06	1.56E-06	5.15E-06	3.55E-07
10001	471373.17	3820228.56	0.00001816	7.63E-05	6.87E-06	1.51E-05	5.60E-05	4.93E-06	1.71E-06	9.82E-06	1.17E-06	1.56E-06	5.14E-06	3.54E-07
10002	471369.42	3820237.36	0.000018136	7.62E-05	6.86E-06	1.51E-05	5.60E-05	4.92E-06	1.71E-06	9.80E-06	1.17E-06	1.56E-06	5.13E-06	3.54E-07
10003	471365.67	3820246.16	0.000018112	7.61E-05	6.85E-06	1.51E-05	5.59E-05	4.92E-06	1.71E-06	9.79E-06	1.17E-06	1.55E-06	5.13E-06	3.53E-07
10004	471361.92	3820254.96	0.000018083	7.59E-05	6.84E-06	1.51E-05	5.58E-05	4.91E-06	1.71E-06	9.78E-06	1.17E-06	1.55E-06	5.12E-06	3.53E-07
10005	471358.18	3820263.76	0.000018054	7.58E-05	6.83E-06	1.50E-05	5.57E-05	4.90E-06	1.70E-06	9.76E-06	1.16E-06	1.55E-06	5.11E-06	3.52E-07
10006	471354.43	3820272.56	0.00001802	7.57E-05	6.82E-06	1.50E-05	5.56E-05	4.89E-06	1.70E-06	9.74E-06	1.16E-06	1.55E-06	5.10E-06	3.52E-07
10007	471350.68	3820281.36	0.000017996	7.56E-05	6.81E-06	1.50E-05	5.55E-05	4.89E-06	1.70E-06	9.73E-06	1.16E-06	1.54E-06	5.09E-06	3.51E-07
10008	471346.93	3820290.16	0.000017967	7.55E-05	6.80E-06	1.50E-05	5.54E-05	4.88E-06	1.70E-06	9.71E-06	1.16E-06	1.54E-06	5.09E-06	3.51E-07
10009	471343.19	3820298.96	0.000017939	7.53E-05	6.78E-06	1.49E-05	5.54E-05	4.87E-06	1.69E-06	9.70E-06	1.16E-06	1.54E-06	5.08E-06	3.50E-07
10010	471339.44	3820307.76	0.00001791	7.52E-05	6.77E-06	1.49E-05	5.53E-05	4.86E-06	1.69E-06	9.68E-06	1.16E-06	1.54E-06	5.07E-06	3.49E-07
10011	471335.69	3820316.56	0.000017876	7.51E-05	6.76E-06	1.49E-05	5.52E-05	4.85E-06	1.69E-06	9.66E-06	1.15E-06	1.53E-06	5.06E-06	3.49E-07
10012	471331.94	3820325.36	0.000017847	7.50E-05	6.75E-06	1.49E-05	5.51E-05	4.84E-06	1.69E-06	9.65E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
10013	471328.2	3820334.16	0.000017814	7.48E-05	6.74E-06	1.48E-05	5.50E-05	4.84E-06	1.68E-06	9.63E-06	1.15E-06	1.53E-06	5.04E-06	3.48E-07
10014	471324.45	3820342.96	0.00001778	7.47E-05	6.72E-06	1.48E-05	5.49E-05	4.83E-06	1.68E-06	9.61E-06	1.15E-06	1.53E-06	5.03E-06	3.47E-07
10015	471320.7	3820351.76	0.000017741	7.45E-05	6.71E-06	1.48E-05	5.47E-05	4.82E-06	1.68E-06	9.59E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07

10016	471316.95	3820360.56	0.000017708	7.44E-05	6.70E-06	1.47E-05	5.46E-05	4.81E-06	1.67E-06	9.57E-06	1.14E-06	1.52E-06	5.01E-06	3.46E-07
10017	471313.21	3820369.36	0.000017669	7.42E-05	6.68E-06	1.47E-05	5.45E-05	4.80E-06	1.67E-06	9.55E-06	1.14E-06	1.52E-06	5.00E-06	3.45E-07
10018	471309.46	3820378.16	0.000017626	7.40E-05	6.67E-06	1.47E-05	5.44E-05	4.78E-06	1.66E-06	9.53E-06	1.14E-06	1.51E-06	4.99E-06	3.44E-07
10019	471305.71	3820386.96	0.000017587	7.39E-05	6.65E-06	1.46E-05	5.43E-05	4.77E-06	1.66E-06	9.51E-06	1.13E-06	1.51E-06	4.98E-06	3.43E-07
10020	471301.96	3820395.76	0.000017539	7.37E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.66E-06	9.48E-06	1.13E-06	1.51E-06	4.96E-06	3.42E-07
10021	471298.22	3820404.55	0.000017491	7.35E-05	6.62E-06	1.46E-05	5.40E-05	4.75E-06	1.65E-06	9.46E-06	1.13E-06	1.50E-06	4.95E-06	3.41E-07
10022	471294.47	3820413.35	0.000017438	7.32E-05	6.60E-06	1.45E-05	5.38E-05	4.73E-06	1.65E-06	9.43E-06	1.12E-06	1.50E-06	4.94E-06	3.40E-07
10023	471290.72	3820422.15	0.000017385	7.30E-05	6.58E-06	1.45E-05	5.36E-05	4.72E-06	1.64E-06	9.40E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
10024	471286.97	3820430.95	0.000017332	7.28E-05	6.56E-06	1.44E-05	5.35E-05	4.71E-06	1.64E-06	9.37E-06	1.12E-06	1.49E-06	4.91E-06	3.38E-07
10025	471283.23	3820439.75	0.00001728	7.26E-05	6.54E-06	1.44E-05	5.33E-05	4.69E-06	1.63E-06	9.34E-06	1.11E-06	1.48E-06	4.89E-06	3.37E-07
10026	471279.48	3820448.55	0.000017227	7.23E-05	6.51E-06	1.43E-05	5.32E-05	4.68E-06	1.63E-06	9.31E-06	1.11E-06	1.48E-06	4.88E-06	3.36E-07
10027	471275.73	3820457.35	0.000017169	7.21E-05	6.49E-06	1.43E-05	5.30E-05	4.66E-06	1.62E-06	9.28E-06	1.11E-06	1.47E-06	4.86E-06	3.35E-07
10028	471263.1	3820469.7	0.000017203	7.22E-05	6.51E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.30E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
10029	471254.22	3820473.25	0.000017289	7.26E-05	6.54E-06	1.44E-05	5.34E-05	4.69E-06	1.63E-06	9.35E-06	1.12E-06	1.48E-06	4.89E-06	3.37E-07
10030	471245.34	3820476.8	0.000017371	7.30E-05	6.57E-06	1.45E-05	5.36E-05	4.72E-06	1.64E-06	9.39E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
10031	471236.46	3820480.35	0.000017458	7.33E-05	6.60E-06	1.45E-05	5.39E-05	4.74E-06	1.65E-06	9.44E-06	1.13E-06	1.50E-06	4.94E-06	3.41E-07
10032	471227.58	3820483.89	0.000017539	7.37E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.66E-06	9.48E-06	1.13E-06	1.51E-06	4.96E-06	3.42E-07
10033	471218.7	3820487.44	0.000017621	7.40E-05	6.66E-06	1.47E-05	5.44E-05	4.78E-06	1.66E-06	9.53E-06	1.14E-06	1.51E-06	4.99E-06	3.44E-07
10034	471209.81	3820490.99	0.000017698	7.43E-05	6.69E-06	1.47E-05	5.46E-05	4.80E-06	1.67E-06	9.57E-06	1.14E-06	1.52E-06	5.01E-06	3.45E-07
10035	471200.93	3820494.54	0.000017775	7.46E-05	6.72E-06	1.48E-05	5.49E-05	4.83E-06	1.68E-06	9.61E-06	1.15E-06	1.53E-06	5.03E-06	3.47E-07
10036	471192.05	3820498.09	0.000017852	7.50E-05	6.75E-06	1.49E-05	5.51E-05	4.85E-06	1.69E-06	9.65E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
10037	471183.17	3820501.64	0.000017929	7.53E-05	6.78E-06	1.49E-05	5.53E-05	4.87E-06	1.69E-06	9.69E-06	1.16E-06	1.54E-06	5.07E-06	3.50E-07
10038	471174.29	3820505.19	0.000018001	7.56E-05	6.81E-06	1.50E-05	5.55E-05	4.89E-06	1.70E-06	9.73E-06	1.16E-06	1.55E-06	5.10E-06	3.51E-07
10039	471165.41	3820508.73	0.000018073	7.59E-05	6.84E-06	1.51E-05	5.58E-05	4.91E-06	1.71E-06	9.77E-06	1.17E-06	1.55E-06	5.12E-06	3.53E-07
10040	471156.52	3820512.28	0.000018145	7.62E-05	6.86E-06	1.51E-05	5.60E-05	4.93E-06	1.71E-06	9.81E-06	1.17E-06	1.56E-06	5.14E-06	3.54E-07
10041	471147.64	3820515.83	0.000018218	7.65E-05	6.89E-06	1.52E-05	5.62E-05	4.95E-06	1.72E-06	9.85E-06	1.18E-06	1.56E-06	5.16E-06	3.55E-07
10042	471138.76	3820519.38	0.00001829	7.68E-05	6.92E-06	1.52E-05	5.64E-05	4.96E-06	1.73E-06	9.89E-06	1.18E-06	1.57E-06	5.18E-06	3.57E-07
10043	471129.88	3820522.93	0.000018357	7.71E-05	6.94E-06	1.53E-05	5.66E-05	4.98E-06	1.73E-06	9.92E-06	1.18E-06	1.58E-06	5.20E-06	3.58E-07
10044	471121	3820526.48	0.000018429	7.74E-05	6.97E-06	1.54E-05	5.69E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
10045	471112.12	3820530.03	0.000018497	7.77E-05	7.00E-06	1.54E-05	5.71E-05	5.02E-06	1.75E-06	1.00E-05	1.19E-06	1.59E-06	5.24E-06	3.61E-07
10046	471049.95	3820554.87	0.000019016	7.99E-05	7.19E-06	1.58E-05	5.87E-05	5.16E-06	1.80E-06	1.03E-05	1.23E-06	1.63E-06	5.38E-06	3.71E-07
10047	471041.06	3820558.42	0.000019103	8.02E-05	7.22E-06	1.59E-05	5.89E-05	5.19E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.41E-06	3.73E-07
10048	471032.18	3820561.96	0.00001918	8.05E-05	7.25E-06	1.60E-05	5.92E-05	5.21E-06	1.81E-06	1.04E-05	1.24E-06	1.65E-06	5.43E-06	3.74E-07
10049	471023.3	3820565.51	0.000019266	8.09E-05	7.29E-06	1.60E-05	5.95E-05	5.23E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.45E-06	3.76E-07
10050	471014.42	3820569.06	0.000019348	8.13E-05	7.32E-06	1.61E-05	5.97E-05	5.25E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.48E-06	3.78E-07
10051	471005.54	3820572.61	0.000019439	8.16E-05	7.35E-06	1.62E-05	6.00E-05	5.28E-06	1.84E-06	1.05E-05	1.25E-06	1.67E-06	5.50E-06	3.79E-07
10052	470996.66	3820576.16	0.000019545	8.21E-05	7.39E-06	1.63E-05	6.03E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.53E-06	3.81E-07
10053	470987.77	3820579.71	0.000019651	8.25E-05	7.43E-06	1.64E-05	6.06E-05	5.33E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.83E-07
10054	470978.89	3820583.26	0.000019767	8.30E-05	7.48E-06	1.65E-05	6.10E-05	5.37E-06	1.87E-06	1.07E-05	1.27E-06	1.70E-06	5.60E-06	3.86E-07
10055	470970.01	3820586.8	0.000019872	8.35E-05	7.52E-06	1.66E-05	6.13E-05	5.39E-06	1.88E-06	1.07E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
10056	470961.13	3820590.35	0.000019993	8.40E-05	7.56E-06	1.67E-05	6.17E-05	5.43E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.66E-06	3.90E-07
10057	470952.25	3820593.9	0.000020113	8.45E-05	7.61E-06	1.68E-05	6.21E-05	5.46E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.69E-06	3.92E-07
10058	470872.31	3820625.84	0.000021522	9.04E-05	8.14E-06	1.79E-05	6.64E-05	5.84E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.09E-06	4.20E-07

10059	470863.43	3820629.39	0.00002171	9.12E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.15E-06	4.24E-07
10060	470854.55	3820632.94	0.000021903	9.20E-05	8.28E-06	1.82E-05	6.76E-05	5.95E-06	2.07E-06	1.18E-05	1.41E-06	1.88E-06	6.20E-06	4.27E-07
10061	470845.67	3820636.48	0.0000221	9.28E-05	8.36E-06	1.84E-05	6.82E-05	6.00E-06	2.09E-06	1.19E-05	1.43E-06	1.90E-06	6.26E-06	4.31E-07
10062	470836.79	3820640.03	0.000022307	9.37E-05	8.44E-06	1.86E-05	6.88E-05	6.06E-06	2.11E-06	1.21E-05	1.44E-06	1.91E-06	6.31E-06	4.35E-07
10063	470827.91	3820643.58	0.000022509	9.45E-05	8.51E-06	1.87E-05	6.95E-05	6.11E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.37E-06	4.39E-07
10064	470819.02	3820647.13	0.000022711	9.54E-05	8.59E-06	1.89E-05	7.01E-05	6.17E-06	2.14E-06	1.23E-05	1.46E-06	1.95E-06	6.43E-06	4.43E-07
10065	470810.14	3820650.68	0.000022913	9.62E-05	8.67E-06	1.91E-05	7.07E-05	6.22E-06	2.16E-06	1.24E-05	1.48E-06	1.97E-06	6.49E-06	4.47E-07
10066	470801.26	3820654.23	0.000023115	9.71E-05	8.74E-06	1.93E-05	7.13E-05	6.27E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.54E-06	4.51E-07
10067	470792.38	3820657.78	0.000023312	9.79E-05	8.82E-06	1.94E-05	7.19E-05	6.33E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.60E-06	4.55E-07
10068	470783.5	3820661.32	0.000023509	9.87E-05	8.89E-06	1.96E-05	7.25E-05	6.38E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.65E-06	4.59E-07
10069	470774.62	3820664.87	0.000023711	9.96E-05	8.97E-06	1.97E-05	7.32E-05	6.44E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.71E-06	4.63E-07
10070	470765.73	3820668.42	0.000023918	1.00E-04	9.05E-06	1.99E-05	7.38E-05	6.49E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.77E-06	4.67E-07
10071	470756.85	3820671.97	0.000024135	1.01E-04	9.13E-06	2.01E-05	7.45E-05	6.55E-06	2.28E-06	1.30E-05	1.56E-06	2.07E-06	6.83E-06	4.71E-07
10072	470747.97	3820675.52	0.000024351	1.02E-04	9.21E-06	2.03E-05	7.51E-05	6.61E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.89E-06	4.75E-07
10073	470739.09	3820679.07	0.000024563	1.03E-04	9.29E-06	2.05E-05	7.58E-05	6.67E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.95E-06	4.79E-07
10074	470730.21	3820682.62	0.000024779	1.04E-04	9.37E-06	2.06E-05	7.65E-05	6.73E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.01E-06	4.84E-07
10075	470721.33	3820686.16	0.000024991	1.05E-04	9.45E-06	2.08E-05	7.71E-05	6.78E-06	2.36E-06	1.35E-05	1.61E-06	2.15E-06	7.07E-06	4.88E-07
10076	470712.44	3820689.71	0.000025193	1.06E-04	9.53E-06	2.10E-05	7.77E-05	6.84E-06	2.38E-06	1.36E-05	1.62E-06	2.16E-06	7.13E-06	4.92E-07
10077	470703.56	3820693.26	0.000025409	1.07E-04	9.61E-06	2.12E-05	7.84E-05	6.90E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.19E-06	4.96E-07
10078	470694.68	3820696.81	0.000025631	1.08E-04	9.69E-06	2.13E-05	7.91E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.26E-06	5.00E-07
10079	470685.8	3820700.36	0.000025847	1.09E-04	9.78E-06	2.15E-05	7.98E-05	7.02E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.32E-06	5.04E-07
10080	470676.92	3820703.91	0.000026049	1.09E-04	9.85E-06	2.17E-05	8.04E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.37E-06	5.08E-07
10081	470668.04	3820707.46	0.000026242	1.10E-04	9.92E-06	2.19E-05	8.10E-05	7.12E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.43E-06	5.12E-07
10082	470659.16	3820711.01	0.000026434	1.11E-04	1.00E-05	2.20E-05	8.16E-05	7.18E-06	2.50E-06	1.43E-05	1.71E-06	2.27E-06	7.48E-06	5.16E-07
10083	470650.27	3820714.55	0.000026622	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.51E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.19E-07
10084	470641.39	3820718.1	0.000026795	1.13E-04	1.01E-05	2.23E-05	8.27E-05	7.27E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.58E-06	5.23E-07
10085	470632.51	3820721.65	0.000026958	1.13E-04	1.02E-05	2.25E-05	8.32E-05	7.32E-06	2.55E-06	1.46E-05	1.74E-06	2.31E-06	7.63E-06	5.26E-07
10086	470623.63	3820725.2	0.000027112	1.14E-04	1.03E-05	2.26E-05	8.37E-05	7.36E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.67E-06	5.29E-07
10087	470614.75	3820728.75	0.000027281	1.15E-04	1.03E-05	2.27E-05	8.42E-05	7.41E-06	2.58E-06	1.47E-05	1.76E-06	2.34E-06	7.72E-06	5.32E-07
10088	470605.87	3820732.3	0.000027459	1.15E-04	1.04E-05	2.29E-05	8.47E-05	7.45E-06	2.59E-06	1.48E-05	1.77E-06	2.36E-06	7.77E-06	5.36E-07
10089	470596.98	3820735.85	0.000027622	1.16E-04	1.04E-05	2.30E-05	8.52E-05	7.50E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.82E-06	5.39E-07
10090	470588.1	3820739.39	0.000027767	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
10091	470579.22	3820742.94	0.000027892	1.17E-04	1.05E-05	2.32E-05	8.61E-05	7.57E-06	2.63E-06	1.51E-05	1.80E-06	2.39E-06	7.89E-06	5.44E-07
10092	470570.34	3820746.49	0.000028007	1.18E-04	1.06E-05	2.33E-05	8.64E-05	7.60E-06	2.64E-06	1.51E-05	1.81E-06	2.40E-06	7.93E-06	5.46E-07
10093	470561.46	3820750.04	0.000028108	1.18E-04	1.06E-05	2.34E-05	8.67E-05	7.63E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.96E-06	5.48E-07
10094	470552.58	3820753.59	0.000028175	1.18E-04	1.07E-05	2.35E-05	8.69E-05	7.65E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
10095	470543.69	3820757.14	0.000028228	1.19E-04	1.07E-05	2.35E-05	8.71E-05	7.66E-06	2.67E-06	1.53E-05	1.82E-06	2.42E-06	7.99E-06	5.51E-07
10096	470534.81	3820760.69	0.000028281	1.19E-04	1.07E-05	2.36E-05	8.73E-05	7.68E-06	2.67E-06	1.53E-05	1.82E-06	2.43E-06	8.01E-06	5.52E-07
10097	470525.93	3820764.23	0.000028334	1.19E-04	1.07E-05	2.36E-05	8.74E-05	7.69E-06	2.68E-06	1.53E-05	1.83E-06	2.43E-06	8.02E-06	5.53E-07
10098	470517.05	3820767.78	0.000028387	1.19E-04	1.07E-05	2.36E-05	8.76E-05	7.71E-06	2.68E-06	1.53E-05	1.83E-06	2.44E-06	8.04E-06	5.54E-07
10099	470508.17	3820771.33	0.00002843	1.19E-04	1.08E-05	2.37E-05	8.77E-05	7.72E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
10100	470499.29	3820774.88	0.000028474	1.20E-04	1.08E-05	2.37E-05	8.79E-05	7.73E-06	2.69E-06	1.54E-05	1.84E-06	2.44E-06	8.06E-06	5.56E-07
10101	470490.4	3820778.43	0.000028522	1.20E-04	1.08E-05	2.38E-05	8.80E-05	7.74E-06	2.69E-06	1.54E-05	1.84E-06	2.45E-06	8.07E-06	5.57E-07

10102	470481.52	3820781.98	0.00002857	1.20E-04	1.08E-05	2.38E-05	8.82E-05	7.76E-06	2.70E-06	1.54E-05	1.84E-06	2.45E-06	8.09E-06	5.57E-07
10103	470472.64	3820785.53	0.000028613	1.20E-04	1.08E-05	2.38E-05	8.83E-05	7.77E-06	2.70E-06	1.55E-05	1.85E-06	2.46E-06	8.10E-06	5.58E-07
10104	470463.76	3820789.07	0.000028652	1.20E-04	1.08E-05	2.39E-05	8.84E-05	7.78E-06	2.71E-06	1.55E-05	1.85E-06	2.46E-06	8.11E-06	5.59E-07
10105	470454.88	3820792.62	0.00002869	1.20E-04	1.09E-05	2.39E-05	8.85E-05	7.79E-06	2.71E-06	1.55E-05	1.85E-06	2.46E-06	8.12E-06	5.60E-07
10106	470446	3820796.17	0.000028729	1.21E-04	1.09E-05	2.39E-05	8.87E-05	7.80E-06	2.71E-06	1.55E-05	1.85E-06	2.47E-06	8.13E-06	5.61E-07
10107	470437.12	3820799.72	0.000028767	1.21E-04	1.09E-05	2.40E-05	8.88E-05	7.81E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.14E-06	5.61E-07
10108	470428.23	3820803.27	0.00002882	1.21E-04	1.09E-05	2.40E-05	8.89E-05	7.82E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.16E-06	5.62E-07
10109	470419.35	3820806.82	0.000028868	1.21E-04	1.09E-05	2.40E-05	8.91E-05	7.84E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.17E-06	5.63E-07
10110	470410.47	3820810.37	0.000028921	1.21E-04	1.09E-05	2.41E-05	8.92E-05	7.85E-06	2.73E-06	1.56E-05	1.87E-06	2.48E-06	8.19E-06	5.64E-07
10111	470401.59	3820813.91	0.000028964	1.22E-04	1.10E-05	2.41E-05	8.94E-05	7.86E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.20E-06	5.65E-07
10112	470392.71	3820817.46	0.000029008	1.22E-04	1.10E-05	2.42E-05	8.95E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.21E-06	5.66E-07
10113	470383.83	3820821.01	0.000029056	1.22E-04	1.10E-05	2.42E-05	8.97E-05	7.89E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.22E-06	5.67E-07
10114	470374.94	3820824.56	0.000029104	1.22E-04	1.10E-05	2.42E-05	8.98E-05	7.90E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.24E-06	5.68E-07
10115	470366.06	3820828.11	0.000029162	1.22E-04	1.10E-05	2.43E-05	9.00E-05	7.92E-06	2.75E-06	1.58E-05	1.88E-06	2.50E-06	8.25E-06	5.69E-07
10116	470295.01	3820856.5	0.000029821	1.25E-04	1.13E-05	2.48E-05	9.20E-05	8.10E-06	2.82E-06	1.61E-05	1.92E-06	2.56E-06	8.44E-06	5.82E-07
10117	470286.13	3820860.05	0.000029922	1.26E-04	1.13E-05	2.49E-05	9.23E-05	8.12E-06	2.83E-06	1.62E-05	1.93E-06	2.57E-06	8.47E-06	5.84E-07
10118	470277.25	3820863.6	0.000030023	1.26E-04	1.14E-05	2.50E-05	9.26E-05	8.15E-06	2.84E-06	1.62E-05	1.94E-06	2.58E-06	8.50E-06	5.86E-07
10119	470268.36	3820867.14	0.000030138	1.27E-04	1.14E-05	2.51E-05	9.30E-05	8.18E-06	2.85E-06	1.63E-05	1.94E-06	2.59E-06	8.53E-06	5.88E-07
10120	471699.2	3819463.01	0.000015004	6.30E-05	5.67E-06	1.25E-05	4.63E-05	4.07E-06	1.42E-06	8.11E-06	9.68E-07	1.29E-06	4.25E-06	2.93E-07
10121	471699.28	3819453.36	0.00001497	6.29E-05	5.66E-06	1.25E-05	4.62E-05	4.06E-06	1.41E-06	8.09E-06	9.66E-07	1.29E-06	4.24E-06	2.92E-07
10122	471699.36	3819443.71	0.000014927	6.27E-05	5.65E-06	1.24E-05	4.61E-05	4.05E-06	1.41E-06	8.07E-06	9.63E-07	1.28E-06	4.23E-06	2.91E-07
10123	471699.45	3819434.06	0.000014884	6.25E-05	5.63E-06	1.24E-05	4.59E-05	4.04E-06	1.41E-06	8.05E-06	9.60E-07	1.28E-06	4.21E-06	2.90E-07
10124	471699.53	3819424.41	0.000014831	6.23E-05	5.61E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.02E-06	9.57E-07	1.27E-06	4.20E-06	2.89E-07
10125	471699.61	3819414.76	0.000014778	6.21E-05	5.59E-06	1.23E-05	4.56E-05	4.01E-06	1.40E-06	7.99E-06	9.53E-07	1.27E-06	4.18E-06	2.88E-07
10126	471699.69	3819405.12	0.00001472	6.18E-05	5.57E-06	1.23E-05	4.54E-05	4.00E-06	1.39E-06	7.96E-06	9.49E-07	1.26E-06	4.17E-06	2.87E-07
10127	471699.78	3819395.47	0.000014658	6.16E-05	5.54E-06	1.22E-05	4.52E-05	3.98E-06	1.38E-06	7.92E-06	9.45E-07	1.26E-06	4.15E-06	2.86E-07
10128	471699.86	3819385.82	0.000014595	6.13E-05	5.52E-06	1.22E-05	4.50E-05	3.96E-06	1.38E-06	7.89E-06	9.41E-07	1.25E-06	4.13E-06	2.85E-07
10129	471699.94	3819376.17	0.000014523	6.10E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.85E-06	9.37E-07	1.25E-06	4.11E-06	2.83E-07
10130	471700.03	3819366.52	0.000014451	6.07E-05	5.47E-06	1.20E-05	4.46E-05	3.92E-06	1.36E-06	7.81E-06	9.32E-07	1.24E-06	4.09E-06	2.82E-07
10131	471700.11	3819356.88	0.000014374	6.04E-05	5.44E-06	1.20E-05	4.44E-05	3.90E-06	1.36E-06	7.77E-06	9.27E-07	1.23E-06	4.07E-06	2.80E-07
10132	471700.19	3819347.23	0.000014287	6.00E-05	5.40E-06	1.19E-05	4.41E-05	3.88E-06	1.35E-06	7.72E-06	9.22E-07	1.23E-06	4.04E-06	2.79E-07
10133	471700.27	3819337.58	0.000014206	5.97E-05	5.37E-06	1.18E-05	4.38E-05	3.86E-06	1.34E-06	7.68E-06	9.16E-07	1.22E-06	4.02E-06	2.77E-07
10134	471700.36	3819327.93	0.000014109	5.93E-05	5.34E-06	1.18E-05	4.35E-05	3.83E-06	1.33E-06	7.63E-06	9.10E-07	1.21E-06	3.99E-06	2.75E-07
10135	471700.44	3819318.28	0.000014013	5.88E-05	5.30E-06	1.17E-05	4.32E-05	3.80E-06	1.32E-06	7.58E-06	9.04E-07	1.20E-06	3.97E-06	2.73E-07
10136	471700.52	3819308.63	0.000013917	5.84E-05	5.26E-06	1.16E-05	4.29E-05	3.78E-06	1.31E-06	7.52E-06	8.98E-07	1.19E-06	3.94E-06	2.72E-07
10137	471700.6	3819298.99	0.000013811	5.80E-05	5.22E-06	1.15E-05	4.26E-05	3.75E-06	1.30E-06	7.47E-06	8.91E-07	1.19E-06	3.91E-06	2.69E-07
10138	471700.69	3819289.34	0.0000137	5.75E-05	5.18E-06	1.14E-05	4.23E-05	3.72E-06	1.29E-06	7.41E-06	8.84E-07	1.18E-06	3.88E-06	2.67E-07
10139	471700.77	3819279.69	0.00001359	5.71E-05	5.14E-06	1.13E-05	4.19E-05	3.69E-06	1.28E-06	7.35E-06	8.77E-07	1.17E-06	3.85E-06	2.65E-07
10140	471700.85	3819270.04	0.00001347	5.66E-05	5.09E-06	1.12E-05	4.16E-05	3.66E-06	1.27E-06	7.28E-06	8.69E-07	1.16E-06	3.81E-06	2.63E-07
10141	471700.94	3819260.39	0.000013349	5.61E-05	5.05E-06	1.11E-05	4.12E-05	3.62E-06	1.26E-06	7.22E-06	8.61E-07	1.15E-06	3.78E-06	2.60E-07
10142	471775.43	3819472.52	0.000013585	5.71E-05	5.14E-06	1.13E-05	4.19E-05	3.69E-06	1.28E-06	7.34E-06	8.76E-07	1.17E-06	3.85E-06	2.65E-07
10143	471771.67	3819481.35	0.000013676	5.74E-05	5.17E-06	1.14E-05	4.22E-05	3.71E-06	1.29E-06	7.39E-06	8.82E-07	1.17E-06	3.87E-06	2.67E-07
10144	471767.91	3819490.18	0.000013768	5.78E-05	5.21E-06	1.15E-05	4.25E-05	3.74E-06	1.30E-06	7.44E-06	8.88E-07	1.18E-06	3.90E-06	2.69E-07

10145	471764.15	3819499.01	0.000013854	5.82E-05	5.24E-06	1.15E-05	4.28E-05	3.76E-06	1.31E-06	7.49E-06	8.94E-07	1.19E-06	3.92E-06	2.70E-07
10146	471760.39	3819507.84	0.000013941	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.32E-06	7.54E-06	8.99E-07	1.20E-06	3.95E-06	2.72E-07
10147	471756.63	3819516.67	0.000014023	5.89E-05	5.30E-06	1.17E-05	4.33E-05	3.81E-06	1.32E-06	7.58E-06	9.04E-07	1.20E-06	3.97E-06	2.74E-07
10148	471752.87	3819525.5	0.000014109	5.93E-05	5.34E-06	1.18E-05	4.35E-05	3.83E-06	1.33E-06	7.63E-06	9.10E-07	1.21E-06	3.99E-06	2.75E-07
10149	471749.11	3819534.34	0.000014191	5.96E-05	5.37E-06	1.18E-05	4.38E-05	3.85E-06	1.34E-06	7.67E-06	9.15E-07	1.22E-06	4.02E-06	2.77E-07
10150	471745.35	3819543.17	0.000014273	5.99E-05	5.40E-06	1.19E-05	4.40E-05	3.87E-06	1.35E-06	7.72E-06	9.21E-07	1.23E-06	4.04E-06	2.79E-07
10151	471741.59	3819552	0.000014355	6.03E-05	5.43E-06	1.20E-05	4.43E-05	3.90E-06	1.36E-06	7.76E-06	9.26E-07	1.23E-06	4.06E-06	2.80E-07
10152	471737.83	3819560.83	0.000014432	6.06E-05	5.46E-06	1.20E-05	4.45E-05	3.92E-06	1.36E-06	7.80E-06	9.31E-07	1.24E-06	4.09E-06	2.82E-07
10153	471734.07	3819569.66	0.000014509	6.09E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.84E-06	9.36E-07	1.25E-06	4.11E-06	2.83E-07
10154	471730.31	3819578.49	0.000014586	6.13E-05	5.52E-06	1.21E-05	4.50E-05	3.96E-06	1.38E-06	7.89E-06	9.41E-07	1.25E-06	4.13E-06	2.85E-07
10155	471726.55	3819587.32	0.000014663	6.16E-05	5.55E-06	1.22E-05	4.52E-05	3.98E-06	1.38E-06	7.93E-06	9.46E-07	1.26E-06	4.15E-06	2.86E-07
10156	471722.78	3819596.15	0.00001474	6.19E-05	5.57E-06	1.23E-05	4.55E-05	4.00E-06	1.39E-06	7.97E-06	9.51E-07	1.27E-06	4.17E-06	2.88E-07
10157	471719.02	3819604.98	0.000014812	6.22E-05	5.60E-06	1.23E-05	4.57E-05	4.02E-06	1.40E-06	8.01E-06	9.55E-07	1.27E-06	4.19E-06	2.89E-07
10158	471715.26	3819613.81	0.000014889	6.25E-05	5.63E-06	1.24E-05	4.59E-05	4.04E-06	1.41E-06	8.05E-06	9.60E-07	1.28E-06	4.21E-06	2.91E-07
10159	471711.5	3819622.64	0.000014961	6.28E-05	5.66E-06	1.25E-05	4.62E-05	4.06E-06	1.41E-06	8.09E-06	9.65E-07	1.28E-06	4.23E-06	2.92E-07
10160	471707.74	3819631.47	0.000015033	6.31E-05	5.69E-06	1.25E-05	4.64E-05	4.08E-06	1.42E-06	8.13E-06	9.70E-07	1.29E-06	4.26E-06	2.93E-07
10161	471703.98	3819640.3	0.000015105	6.34E-05	5.71E-06	1.26E-05	4.66E-05	4.10E-06	1.43E-06	8.17E-06	9.74E-07	1.30E-06	4.28E-06	2.95E-07
10162	471700.22	3819649.13	0.000015177	6.37E-05	5.74E-06	1.26E-05	4.68E-05	4.12E-06	1.43E-06	8.20E-06	9.79E-07	1.30E-06	4.30E-06	2.96E-07
10163	471696.46	3819657.96	0.000015249	6.40E-05	5.77E-06	1.27E-05	4.71E-05	4.14E-06	1.44E-06	8.24E-06	9.84E-07	1.31E-06	4.32E-06	2.98E-07
10164	471688.94	3819675.62	0.000015394	6.46E-05	5.82E-06	1.28E-05	4.75E-05	4.18E-06	1.45E-06	8.32E-06	9.93E-07	1.32E-06	4.36E-06	3.00E-07
10165	471685.18	3819684.45	0.000015466	6.50E-05	5.85E-06	1.29E-05	4.77E-05	4.20E-06	1.46E-06	8.36E-06	9.98E-07	1.33E-06	4.38E-06	3.02E-07
10166	471681.42	3819693.28	0.000015538	6.53E-05	5.88E-06	1.29E-05	4.79E-05	4.22E-06	1.47E-06	8.40E-06	1.00E-06	1.33E-06	4.40E-06	3.03E-07
10167	471677.66	3819702.11	0.00001561	6.56E-05	5.90E-06	1.30E-05	4.82E-05	4.24E-06	1.47E-06	8.44E-06	1.01E-06	1.34E-06	4.42E-06	3.05E-07
10168	471673.9	3819710.95	0.000015682	6.59E-05	5.93E-06	1.31E-05	4.84E-05	4.26E-06	1.48E-06	8.48E-06	1.01E-06	1.35E-06	4.44E-06	3.06E-07
10169	471670.14	3819719.78	0.00001575	6.61E-05	5.96E-06	1.31E-05	4.86E-05	4.28E-06	1.49E-06	8.51E-06	1.02E-06	1.35E-06	4.46E-06	3.07E-07
10170	471666.37	3819728.61	0.000015822	6.64E-05	5.98E-06	1.32E-05	4.88E-05	4.30E-06	1.49E-06	8.55E-06	1.02E-06	1.36E-06	4.48E-06	3.09E-07
10171	471662.61	3819737.44	0.000015889	6.67E-05	6.01E-06	1.32E-05	4.90E-05	4.31E-06	1.50E-06	8.59E-06	1.02E-06	1.36E-06	4.50E-06	3.10E-07
10172	471658.85	3819746.27	0.000015961	6.70E-05	6.04E-06	1.33E-05	4.93E-05	4.33E-06	1.51E-06	8.63E-06	1.03E-06	1.37E-06	4.52E-06	3.11E-07
10173	471655.09	3819755.1	0.000016029	6.73E-05	6.06E-06	1.34E-05	4.95E-05	4.35E-06	1.51E-06	8.67E-06	1.03E-06	1.38E-06	4.54E-06	3.13E-07
10174	471651.33	3819763.93	0.000016096	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.56E-06	3.14E-07
10175	471647.57	3819772.76	0.000016163	6.79E-05	6.11E-06	1.35E-05	4.99E-05	4.39E-06	1.53E-06	8.74E-06	1.04E-06	1.39E-06	4.58E-06	3.15E-07
10176	471643.81	3819781.59	0.000016226	6.81E-05	6.14E-06	1.35E-05	5.01E-05	4.40E-06	1.53E-06	8.77E-06	1.05E-06	1.39E-06	4.59E-06	3.17E-07
10177	471640.05	3819790.42	0.000016293	6.84E-05	6.16E-06	1.36E-05	5.03E-05	4.42E-06	1.54E-06	8.81E-06	1.05E-06	1.40E-06	4.61E-06	3.18E-07
10178	471636.29	3819799.25	0.000016356	6.87E-05	6.19E-06	1.36E-05	5.05E-05	4.44E-06	1.54E-06	8.84E-06	1.05E-06	1.40E-06	4.63E-06	3.19E-07
10179	471632.53	3819808.08	0.000016418	6.90E-05	6.21E-06	1.37E-05	5.07E-05	4.46E-06	1.55E-06	8.88E-06	1.06E-06	1.41E-06	4.65E-06	3.20E-07
10180	471628.77	3819816.91	0.000016476	6.92E-05	6.23E-06	1.37E-05	5.08E-05	4.47E-06	1.56E-06	8.91E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
10181	471625.01	3819825.74	0.000016534	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.49E-06	1.56E-06	8.94E-06	1.07E-06	1.42E-06	4.68E-06	3.23E-07
10182	471621.25	3819834.57	0.000016592	6.97E-05	6.27E-06	1.38E-05	5.12E-05	4.50E-06	1.57E-06	8.97E-06	1.07E-06	1.42E-06	4.70E-06	3.24E-07
10183	471617.49	3819843.4	0.000016645	6.99E-05	6.29E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.00E-06	1.07E-06	1.43E-06	4.71E-06	3.25E-07
10184	471602.44	3819878.73	0.000016832	7.07E-05	6.37E-06	1.40E-05	5.19E-05	4.57E-06	1.59E-06	9.10E-06	1.09E-06	1.44E-06	4.76E-06	3.28E-07
10185	471598.68	3819887.56	0.000016871	7.08E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
10186	471594.92	3819896.39	0.000016909	7.10E-05	6.39E-06	1.41E-05	5.22E-05	4.59E-06	1.60E-06	9.14E-06	1.09E-06	1.45E-06	4.79E-06	3.30E-07
10187	471591.16	3819905.22	0.000016943	7.12E-05	6.41E-06	1.41E-05	5.23E-05	4.60E-06	1.60E-06	9.16E-06	1.09E-06	1.45E-06	4.80E-06	3.31E-07

10188	471587.4	3819914.05	0.000016972	7.13E-05	6.42E-06	1.41E-05	5.24E-05	4.61E-06	1.60E-06	9.17E-06	1.09E-06	1.46E-06	4.80E-06	3.31E-07
10189	471583.64	3819922.88	0.000017001	7.14E-05	6.43E-06	1.42E-05	5.25E-05	4.61E-06	1.61E-06	9.19E-06	1.10E-06	1.46E-06	4.81E-06	3.32E-07
10190	471579.88	3819931.71	0.000017025	7.15E-05	6.44E-06	1.42E-05	5.25E-05	4.62E-06	1.61E-06	9.20E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
10191	471576.12	3819940.54	0.000017049	7.16E-05	6.45E-06	1.42E-05	5.26E-05	4.63E-06	1.61E-06	9.22E-06	1.10E-06	1.46E-06	4.83E-06	3.33E-07
10192	471572.36	3819949.37	0.000017068	7.17E-05	6.45E-06	1.42E-05	5.27E-05	4.63E-06	1.61E-06	9.23E-06	1.10E-06	1.47E-06	4.83E-06	3.33E-07
10193	471568.6	3819958.2	0.000017077	7.17E-05	6.46E-06	1.42E-05	5.27E-05	4.64E-06	1.61E-06	9.23E-06	1.10E-06	1.47E-06	4.83E-06	3.33E-07
10194	471564.84	3819967.03	0.000017092	7.18E-05	6.46E-06	1.42E-05	5.27E-05	4.64E-06	1.61E-06	9.24E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
10195	471561.08	3819975.86	0.000017097	7.18E-05	6.47E-06	1.42E-05	5.28E-05	4.64E-06	1.61E-06	9.24E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
10196	471557.31	3819984.69	0.000017102	7.18E-05	6.47E-06	1.42E-05	5.28E-05	4.64E-06	1.61E-06	9.25E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
10197	471553.55	3819993.52	0.000017106	7.18E-05	6.47E-06	1.42E-05	5.28E-05	4.64E-06	1.62E-06	9.25E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
10198	471549.79	3820002.35	0.000017106	7.18E-05	6.47E-06	1.42E-05	5.28E-05	4.64E-06	1.62E-06	9.25E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
10199	471546.03	3820011.18	0.000017102	7.18E-05	6.47E-06	1.42E-05	5.28E-05	4.64E-06	1.61E-06	9.25E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
10200	471542.27	3820020.01	0.000017097	7.18E-05	6.47E-06	1.42E-05	5.28E-05	4.64E-06	1.61E-06	9.24E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
10201	471538.51	3820028.84	0.000017087	7.18E-05	6.46E-06	1.42E-05	5.27E-05	4.64E-06	1.61E-06	9.24E-06	1.10E-06	1.47E-06	4.84E-06	3.33E-07
10202	471534.75	3820037.67	0.000017077	7.17E-05	6.46E-06	1.42E-05	5.27E-05	4.64E-06	1.61E-06	9.23E-06	1.10E-06	1.47E-06	4.83E-06	3.33E-07
10203	471530.99	3820046.5	0.000017063	7.17E-05	6.45E-06	1.42E-05	5.27E-05	4.63E-06	1.61E-06	9.22E-06	1.10E-06	1.46E-06	4.83E-06	3.33E-07
10204	471527.23	3820055.34	0.000017049	7.16E-05	6.45E-06	1.42E-05	5.26E-05	4.63E-06	1.61E-06	9.22E-06	1.10E-06	1.46E-06	4.83E-06	3.33E-07
10205	471523.47	3820064.17	0.000017034	7.15E-05	6.44E-06	1.42E-05	5.26E-05	4.62E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
10206	471519.71	3820073	0.000017015	7.15E-05	6.43E-06	1.42E-05	5.25E-05	4.62E-06	1.61E-06	9.20E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
10207	471515.95	3820081.83	0.000016996	7.14E-05	6.43E-06	1.42E-05	5.24E-05	4.61E-06	1.60E-06	9.19E-06	1.10E-06	1.46E-06	4.81E-06	3.32E-07
10208	471512.19	3820090.66	0.000016972	7.13E-05	6.42E-06	1.41E-05	5.24E-05	4.61E-06	1.60E-06	9.17E-06	1.09E-06	1.46E-06	4.80E-06	3.31E-07
10209	471508.43	3820099.49	0.000016952	7.12E-05	6.41E-06	1.41E-05	5.23E-05	4.60E-06	1.60E-06	9.16E-06	1.09E-06	1.46E-06	4.80E-06	3.31E-07
10210	471504.67	3820108.32	0.000016928	7.11E-05	6.40E-06	1.41E-05	5.22E-05	4.60E-06	1.60E-06	9.15E-06	1.09E-06	1.45E-06	4.79E-06	3.30E-07
10211	471500.9	3820117.15	0.000016904	7.10E-05	6.39E-06	1.41E-05	5.22E-05	4.59E-06	1.60E-06	9.14E-06	1.09E-06	1.45E-06	4.78E-06	3.30E-07
10212	471497.14	3820125.98	0.000016875	7.09E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
10213	471493.38	3820134.81	0.000016851	7.08E-05	6.37E-06	1.40E-05	5.20E-05	4.57E-06	1.59E-06	9.11E-06	1.09E-06	1.45E-06	4.77E-06	3.29E-07
10214	471489.62	3820143.64	0.000016827	7.07E-05	6.36E-06	1.40E-05	5.19E-05	4.57E-06	1.59E-06	9.10E-06	1.09E-06	1.44E-06	4.76E-06	3.28E-07
10215	471485.86	3820152.47	0.000016803	7.06E-05	6.35E-06	1.40E-05	5.19E-05	4.56E-06	1.59E-06	9.08E-06	1.08E-06	1.44E-06	4.76E-06	3.28E-07
10216	471482.1	3820161.3	0.000016779	7.05E-05	6.35E-06	1.40E-05	5.18E-05	4.55E-06	1.58E-06	9.07E-06	1.08E-06	1.44E-06	4.75E-06	3.27E-07
10217	471478.34	3820170.13	0.000016755	7.04E-05	6.34E-06	1.40E-05	5.17E-05	4.55E-06	1.58E-06	9.06E-06	1.08E-06	1.44E-06	4.74E-06	3.27E-07
10218	471474.58	3820178.96	0.000016731	7.03E-05	6.33E-06	1.39E-05	5.16E-05	4.54E-06	1.58E-06	9.04E-06	1.08E-06	1.44E-06	4.74E-06	3.26E-07
10219	471470.82	3820187.79	0.000016707	7.02E-05	6.32E-06	1.39E-05	5.16E-05	4.54E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
10220	471467.06	3820196.62	0.000016683	7.01E-05	6.31E-06	1.39E-05	5.15E-05	4.53E-06	1.58E-06	9.02E-06	1.08E-06	1.43E-06	4.72E-06	3.26E-07
10221	471463.3	3820205.45	0.000016659	7.00E-05	6.30E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.01E-06	1.07E-06	1.43E-06	4.72E-06	3.25E-07
10222	471459.54	3820214.28	0.00001664	6.99E-05	6.29E-06	1.39E-05	5.13E-05	4.52E-06	1.57E-06	9.00E-06	1.07E-06	1.43E-06	4.71E-06	3.25E-07
10223	471455.78	3820223.12	0.000016611	6.98E-05	6.28E-06	1.38E-05	5.13E-05	4.51E-06	1.57E-06	8.98E-06	1.07E-06	1.43E-06	4.70E-06	3.24E-07
10224	471452.02	3820231.95	0.000016587	6.97E-05	6.27E-06	1.38E-05	5.12E-05	4.50E-06	1.57E-06	8.97E-06	1.07E-06	1.42E-06	4.70E-06	3.24E-07
10225	471448.26	3820240.78	0.000016563	6.96E-05	6.26E-06	1.38E-05	5.11E-05	4.50E-06	1.56E-06	8.95E-06	1.07E-06	1.42E-06	4.69E-06	3.23E-07
10226	471444.49	3820249.61	0.000016544	6.95E-05	6.26E-06	1.38E-05	5.11E-05	4.49E-06	1.56E-06	8.94E-06	1.07E-06	1.42E-06	4.68E-06	3.23E-07
10227	471440.73	3820258.44	0.000016519	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.48E-06	1.56E-06	8.93E-06	1.07E-06	1.42E-06	4.68E-06	3.22E-07
10228	471436.97	3820267.27	0.0000165	6.93E-05	6.24E-06	1.37E-05	5.09E-05	4.48E-06	1.56E-06	8.92E-06	1.06E-06	1.42E-06	4.67E-06	3.22E-07
10229	471433.21	3820276.1	0.000016481	6.92E-05	6.23E-06	1.37E-05	5.09E-05	4.47E-06	1.56E-06	8.91E-06	1.06E-06	1.41E-06	4.67E-06	3.22E-07
10230	471429.45	3820284.93	0.000016457	6.91E-05	6.22E-06	1.37E-05	5.08E-05	4.47E-06	1.55E-06	8.90E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07

10231	471425.69	3820293.76	0.000016433	6.90E-05	6.21E-06	1.37E-05	5.07E-05	4.46E-06	1.55E-06	8.88E-06	1.06E-06	1.41E-06	4.65E-06	3.21E-07
10232	471421.93	3820302.59	0.000016409	6.89E-05	6.21E-06	1.37E-05	5.06E-05	4.45E-06	1.55E-06	8.87E-06	1.06E-06	1.41E-06	4.64E-06	3.20E-07
10233	471418.17	3820311.42	0.000016385	6.88E-05	6.20E-06	1.36E-05	5.06E-05	4.45E-06	1.55E-06	8.86E-06	1.06E-06	1.41E-06	4.64E-06	3.20E-07
10234	471414.41	3820320.25	0.000016366	6.87E-05	6.19E-06	1.36E-05	5.05E-05	4.44E-06	1.55E-06	8.85E-06	1.06E-06	1.40E-06	4.63E-06	3.19E-07
10235	471410.65	3820329.08	0.000016346	6.86E-05	6.18E-06	1.36E-05	5.04E-05	4.44E-06	1.54E-06	8.84E-06	1.05E-06	1.40E-06	4.63E-06	3.19E-07
10236	471406.89	3820337.91	0.000016322	6.85E-05	6.17E-06	1.36E-05	5.04E-05	4.43E-06	1.54E-06	8.82E-06	1.05E-06	1.40E-06	4.62E-06	3.18E-07
10237	471403.13	3820346.74	0.000016303	6.85E-05	6.17E-06	1.36E-05	5.03E-05	4.43E-06	1.54E-06	8.81E-06	1.05E-06	1.40E-06	4.61E-06	3.18E-07
10238	471399.37	3820355.57	0.000016289	6.84E-05	6.16E-06	1.36E-05	5.03E-05	4.42E-06	1.54E-06	8.81E-06	1.05E-06	1.40E-06	4.61E-06	3.18E-07
10239	471395.61	3820364.4	0.000016265	6.83E-05	6.15E-06	1.35E-05	5.02E-05	4.42E-06	1.54E-06	8.79E-06	1.05E-06	1.40E-06	4.60E-06	3.17E-07
10240	471391.85	3820373.23	0.00001624	6.82E-05	6.14E-06	1.35E-05	5.01E-05	4.41E-06	1.53E-06	8.78E-06	1.05E-06	1.39E-06	4.60E-06	3.17E-07
10241	471388.08	3820382.06	0.000016216	6.81E-05	6.13E-06	1.35E-05	5.00E-05	4.40E-06	1.53E-06	8.77E-06	1.05E-06	1.39E-06	4.59E-06	3.16E-07
10242	471384.32	3820390.89	0.000016188	6.80E-05	6.12E-06	1.35E-05	5.00E-05	4.39E-06	1.53E-06	8.75E-06	1.04E-06	1.39E-06	4.58E-06	3.16E-07
10243	471380.56	3820399.73	0.000016159	6.79E-05	6.11E-06	1.35E-05	4.99E-05	4.39E-06	1.53E-06	8.74E-06	1.04E-06	1.39E-06	4.57E-06	3.15E-07
10244	471376.8	3820408.56	0.00001613	6.77E-05	6.10E-06	1.34E-05	4.98E-05	4.38E-06	1.52E-06	8.72E-06	1.04E-06	1.38E-06	4.57E-06	3.15E-07
10245	471373.04	3820417.39	0.000016096	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.56E-06	3.14E-07
10246	471369.28	3820426.22	0.000016062	6.75E-05	6.07E-06	1.34E-05	4.96E-05	4.36E-06	1.52E-06	8.68E-06	1.04E-06	1.38E-06	4.55E-06	3.13E-07
10247	471365.52	3820435.05	0.000016029	6.73E-05	6.06E-06	1.34E-05	4.95E-05	4.35E-06	1.51E-06	8.67E-06	1.03E-06	1.38E-06	4.54E-06	3.13E-07
10248	471361.76	3820443.88	0.000015995	6.72E-05	6.05E-06	1.33E-05	4.94E-05	4.34E-06	1.51E-06	8.65E-06	1.03E-06	1.37E-06	4.53E-06	3.12E-07
10249	471358	3820452.71	0.000015957	6.70E-05	6.03E-06	1.33E-05	4.92E-05	4.33E-06	1.51E-06	8.63E-06	1.03E-06	1.37E-06	4.52E-06	3.11E-07
10250	471354.24	3820461.54	0.000015918	6.68E-05	6.02E-06	1.33E-05	4.91E-05	4.32E-06	1.50E-06	8.61E-06	1.03E-06	1.37E-06	4.51E-06	3.11E-07
10251	471350.48	3820470.37	0.00001588	6.67E-05	6.01E-06	1.32E-05	4.90E-05	4.31E-06	1.50E-06	8.58E-06	1.02E-06	1.36E-06	4.49E-06	3.10E-07
10252	471346.72	3820479.2	0.000015841	6.65E-05	5.99E-06	1.32E-05	4.89E-05	4.30E-06	1.50E-06	8.56E-06	1.02E-06	1.36E-06	4.48E-06	3.09E-07
10253	471342.96	3820488.03	0.000015798	6.63E-05	5.97E-06	1.32E-05	4.88E-05	4.29E-06	1.49E-06	8.54E-06	1.02E-06	1.36E-06	4.47E-06	3.08E-07
10254	471339.2	3820496.86	0.000015755	6.62E-05	5.96E-06	1.31E-05	4.86E-05	4.28E-06	1.49E-06	8.52E-06	1.02E-06	1.35E-06	4.46E-06	3.07E-07
10255	471335.44	3820505.69	0.000015706	6.60E-05	5.94E-06	1.31E-05	4.85E-05	4.26E-06	1.48E-06	8.49E-06	1.01E-06	1.35E-06	4.45E-06	3.06E-07
10256	471331.67	3820514.52	0.000015658	6.58E-05	5.92E-06	1.30E-05	4.83E-05	4.25E-06	1.48E-06	8.46E-06	1.01E-06	1.34E-06	4.43E-06	3.06E-07
10257	471319	3820526.91	0.000015692	6.59E-05	5.93E-06	1.31E-05	4.84E-05	4.26E-06	1.48E-06	8.48E-06	1.01E-06	1.35E-06	4.44E-06	3.06E-07
10258	471310.09	3820530.47	0.000015764	6.62E-05	5.96E-06	1.31E-05	4.86E-05	4.28E-06	1.49E-06	8.52E-06	1.02E-06	1.35E-06	4.46E-06	3.08E-07
10259	471301.18	3820534.04	0.000015841	6.65E-05	5.99E-06	1.32E-05	4.89E-05	4.30E-06	1.50E-06	8.56E-06	1.02E-06	1.36E-06	4.48E-06	3.09E-07
10260	471292.26	3820537.6	0.000015913	6.68E-05	6.02E-06	1.33E-05	4.91E-05	4.32E-06	1.50E-06	8.60E-06	1.03E-06	1.37E-06	4.50E-06	3.11E-07
10261	471283.35	3820541.16	0.00001599	6.72E-05	6.05E-06	1.33E-05	4.93E-05	4.34E-06	1.51E-06	8.64E-06	1.03E-06	1.37E-06	4.53E-06	3.12E-07
10262	471247.7	3820555.4	0.000016265	6.83E-05	6.15E-06	1.35E-05	5.02E-05	4.42E-06	1.54E-06	8.79E-06	1.05E-06	1.40E-06	4.60E-06	3.17E-07
10263	471238.79	3820558.96	0.000016332	6.86E-05	6.18E-06	1.36E-05	5.04E-05	4.43E-06	1.54E-06	8.83E-06	1.05E-06	1.40E-06	4.62E-06	3.19E-07
10264	471229.87	3820562.52	0.000016394	6.88E-05	6.20E-06	1.37E-05	5.06E-05	4.45E-06	1.55E-06	8.86E-06	1.06E-06	1.41E-06	4.64E-06	3.20E-07
10265	471220.96	3820566.09	0.000016457	6.91E-05	6.22E-06	1.37E-05	5.08E-05	4.47E-06	1.55E-06	8.90E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
10266	471212.05	3820569.65	0.000016519	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.48E-06	1.56E-06	8.93E-06	1.07E-06	1.42E-06	4.68E-06	3.22E-07
10267	471203.13	3820573.21	0.000016582	6.96E-05	6.27E-06	1.38E-05	5.12E-05	4.50E-06	1.57E-06	8.96E-06	1.07E-06	1.42E-06	4.69E-06	3.24E-07
10268	471194.22	3820576.77	0.000016645	6.99E-05	6.29E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.00E-06	1.07E-06	1.43E-06	4.71E-06	3.25E-07
10269	471185.31	3820580.33	0.000016707	7.02E-05	6.32E-06	1.39E-05	5.16E-05	4.54E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
10270	471176.39	3820583.89	0.000016765	7.04E-05	6.34E-06	1.40E-05	5.17E-05	4.55E-06	1.58E-06	9.06E-06	1.08E-06	1.44E-06	4.75E-06	3.27E-07
10271	471167.48	3820587.45	0.000016827	7.07E-05	6.36E-06	1.40E-05	5.19E-05	4.57E-06	1.59E-06	9.10E-06	1.09E-06	1.44E-06	4.76E-06	3.28E-07
10272	471158.57	3820591.01	0.000016885	7.09E-05	6.39E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.13E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
10273	471149.66	3820594.57	0.000016948	7.12E-05	6.41E-06	1.41E-05	5.23E-05	4.60E-06	1.60E-06	9.16E-06	1.09E-06	1.45E-06	4.80E-06	3.31E-07

10274	471140.74	3820598.14	0.000017005	7.14E-05	6.43E-06	1.42E-05	5.25E-05	4.62E-06	1.61E-06	9.19E-06	1.10E-06	1.46E-06	4.81E-06	3.32E-07
10275	471131.83	3820601.7	0.000017068	7.17E-05	6.45E-06	1.42E-05	5.27E-05	4.63E-06	1.61E-06	9.23E-06	1.10E-06	1.47E-06	4.83E-06	3.33E-07
10276	471122.92	3820605.26	0.00001713	7.19E-05	6.48E-06	1.43E-05	5.29E-05	4.65E-06	1.62E-06	9.26E-06	1.10E-06	1.47E-06	4.85E-06	3.34E-07
10277	471114	3820608.82	0.000017193	7.22E-05	6.50E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.29E-06	1.11E-06	1.48E-06	4.87E-06	3.35E-07
10278	471105.09	3820612.38	0.00001726	7.25E-05	6.53E-06	1.44E-05	5.33E-05	4.69E-06	1.63E-06	9.33E-06	1.11E-06	1.48E-06	4.89E-06	3.37E-07
10279	471096.18	3820615.94	0.000017328	7.28E-05	6.55E-06	1.44E-05	5.35E-05	4.70E-06	1.64E-06	9.37E-06	1.12E-06	1.49E-06	4.90E-06	3.38E-07
10280	471087.27	3820619.5	0.000017395	7.31E-05	6.58E-06	1.45E-05	5.37E-05	4.72E-06	1.64E-06	9.40E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
10281	471078.35	3820623.06	0.000017467	7.34E-05	6.61E-06	1.45E-05	5.39E-05	4.74E-06	1.65E-06	9.44E-06	1.13E-06	1.50E-06	4.94E-06	3.41E-07
10282	471069.44	3820626.62	0.000017539	7.37E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.66E-06	9.48E-06	1.13E-06	1.51E-06	4.96E-06	3.42E-07
10283	471060.53	3820630.19	0.000017611	7.40E-05	6.66E-06	1.47E-05	5.43E-05	4.78E-06	1.66E-06	9.52E-06	1.14E-06	1.51E-06	4.99E-06	3.44E-07
10284	471051.61	3820633.75	0.000017684	7.43E-05	6.69E-06	1.47E-05	5.46E-05	4.80E-06	1.67E-06	9.56E-06	1.14E-06	1.52E-06	5.01E-06	3.45E-07
10285	471042.7	3820637.31	0.000017761	7.46E-05	6.72E-06	1.48E-05	5.48E-05	4.82E-06	1.68E-06	9.60E-06	1.15E-06	1.52E-06	5.03E-06	3.47E-07
10286	471033.79	3820640.87	0.000017842	7.49E-05	6.75E-06	1.49E-05	5.51E-05	4.84E-06	1.68E-06	9.65E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
10287	471024.88	3820644.43	0.000017929	7.53E-05	6.78E-06	1.49E-05	5.53E-05	4.87E-06	1.69E-06	9.69E-06	1.16E-06	1.54E-06	5.07E-06	3.50E-07
10288	471015.96	3820647.99	0.00001802	7.57E-05	6.82E-06	1.50E-05	5.56E-05	4.89E-06	1.70E-06	9.74E-06	1.16E-06	1.55E-06	5.10E-06	3.52E-07
10289	471007.05	3820651.55	0.000018117	7.61E-05	6.85E-06	1.51E-05	5.59E-05	4.92E-06	1.71E-06	9.79E-06	1.17E-06	1.56E-06	5.13E-06	3.54E-07
10290	470998.14	3820655.11	0.000018213	7.65E-05	6.89E-06	1.52E-05	5.62E-05	4.94E-06	1.72E-06	9.85E-06	1.17E-06	1.56E-06	5.16E-06	3.55E-07
10291	470989.22	3820658.67	0.000018319	7.69E-05	6.93E-06	1.53E-05	5.65E-05	4.97E-06	1.73E-06	9.90E-06	1.18E-06	1.57E-06	5.19E-06	3.57E-07
10292	470980.31	3820662.24	0.000018429	7.74E-05	6.97E-06	1.54E-05	5.69E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
10293	470900.1	3820694.29	0.000019743	8.29E-05	7.47E-06	1.64E-05	6.09E-05	5.36E-06	1.86E-06	1.07E-05	1.27E-06	1.69E-06	5.59E-06	3.85E-07
10294	470891.18	3820697.85	0.000019911	8.36E-05	7.53E-06	1.66E-05	6.14E-05	5.41E-06	1.88E-06	1.08E-05	1.28E-06	1.71E-06	5.64E-06	3.89E-07
10295	470882.27	3820701.41	0.000020084	8.43E-05	7.60E-06	1.67E-05	6.20E-05	5.45E-06	1.90E-06	1.09E-05	1.30E-06	1.72E-06	5.69E-06	3.92E-07
10296	470873.36	3820704.97	0.000020262	8.51E-05	7.66E-06	1.69E-05	6.25E-05	5.50E-06	1.91E-06	1.10E-05	1.31E-06	1.74E-06	5.74E-06	3.95E-07
10297	470864.44	3820708.53	0.000020445	8.59E-05	7.73E-06	1.70E-05	6.31E-05	5.55E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.79E-06	3.99E-07
10298	470855.53	3820712.09	0.000020633	8.66E-05	7.80E-06	1.72E-05	6.37E-05	5.60E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.84E-06	4.03E-07
10299	470846.62	3820715.65	0.00002082	8.74E-05	7.87E-06	1.73E-05	6.42E-05	5.65E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
10300	470837.71	3820719.21	0.000021017	8.83E-05	7.95E-06	1.75E-05	6.49E-05	5.71E-06	1.98E-06	1.14E-05	1.36E-06	1.80E-06	5.95E-06	4.10E-07
10301	470828.79	3820722.77	0.000021215	8.91E-05	8.02E-06	1.77E-05	6.55E-05	5.76E-06	2.00E-06	1.15E-05	1.37E-06	1.82E-06	6.01E-06	4.14E-07
10302	470819.88	3820726.34	0.000021407	8.99E-05	8.10E-06	1.78E-05	6.61E-05	5.81E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.06E-06	4.18E-07
10303	470810.97	3820729.9	0.000021595	9.07E-05	8.17E-06	1.80E-05	6.66E-05	5.86E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.11E-06	4.21E-07
10304	470802.05	3820733.46	0.000021787	9.15E-05	8.24E-06	1.81E-05	6.72E-05	5.91E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.17E-06	4.25E-07
10305	470793.14	3820737.02	0.000021965	9.22E-05	8.31E-06	1.83E-05	6.78E-05	5.96E-06	2.07E-06	1.19E-05	1.42E-06	1.89E-06	6.22E-06	4.29E-07
10306	470784.23	3820740.58	0.000022133	9.30E-05	8.37E-06	1.84E-05	6.83E-05	6.01E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.27E-06	4.32E-07
10307	470775.32	3820744.14	0.000022302	9.37E-05	8.43E-06	1.86E-05	6.88E-05	6.05E-06	2.11E-06	1.21E-05	1.44E-06	1.91E-06	6.31E-06	4.35E-07
10308	470766.4	3820747.7	0.00002247	9.44E-05	8.50E-06	1.87E-05	6.93E-05	6.10E-06	2.12E-06	1.21E-05	1.45E-06	1.93E-06	6.36E-06	4.38E-07
10309	470757.49	3820751.26	0.000022653	9.51E-05	8.57E-06	1.89E-05	6.99E-05	6.15E-06	2.14E-06	1.22E-05	1.46E-06	1.94E-06	6.41E-06	4.42E-07
10310	470748.58	3820754.82	0.000022836	9.59E-05	8.64E-06	1.90E-05	7.05E-05	6.20E-06	2.16E-06	1.23E-05	1.47E-06	1.96E-06	6.46E-06	4.46E-07
10311	470739.66	3820758.39	0.000023019	9.67E-05	8.71E-06	1.92E-05	7.10E-05	6.25E-06	2.17E-06	1.24E-05	1.48E-06	1.98E-06	6.52E-06	4.49E-07
10312	470730.75	3820761.95	0.000023211	9.75E-05	8.78E-06	1.93E-05	7.16E-05	6.30E-06	2.19E-06	1.25E-05	1.50E-06	1.99E-06	6.57E-06	4.53E-07
10313	470721.84	3820765.51	0.000023399	9.83E-05	8.85E-06	1.95E-05	7.22E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.57E-07
10314	470712.93	3820769.07	0.000023581	9.90E-05	8.92E-06	1.96E-05	7.28E-05	6.40E-06	2.23E-06	1.27E-05	1.52E-06	2.02E-06	6.68E-06	4.60E-07
10315	470704.01	3820772.63	0.000023759	9.98E-05	8.99E-06	1.98E-05	7.33E-05	6.45E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.73E-06	4.64E-07
10316	470695.1	3820776.19	0.000023933	1.01E-04	9.05E-06	1.99E-05	7.39E-05	6.50E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.77E-06	4.67E-07

10317	470686.19	3820779.75	0.000024101	1.01E-04	9.11E-06	2.01E-05	7.44E-05	6.54E-06	2.28E-06	1.30E-05	1.55E-06	2.07E-06	6.82E-06	4.70E-07
10318	470677.27	3820783.31	0.000024264	1.02E-04	9.18E-06	2.02E-05	7.49E-05	6.59E-06	2.29E-06	1.31E-05	1.57E-06	2.08E-06	6.87E-06	4.73E-07
10319	470668.36	3820786.87	0.000024418	1.03E-04	9.23E-06	2.03E-05	7.54E-05	6.63E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.91E-06	4.76E-07
10320	470659.45	3820790.44	0.000024568	1.03E-04	9.29E-06	2.05E-05	7.58E-05	6.67E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.95E-06	4.79E-07
10321	470650.54	3820794	0.000024707	1.04E-04	9.34E-06	2.06E-05	7.62E-05	6.71E-06	2.33E-06	1.34E-05	1.59E-06	2.12E-06	6.99E-06	4.82E-07
10322	470641.62	3820797.56	0.000024847	1.04E-04	9.40E-06	2.07E-05	7.67E-05	6.74E-06	2.35E-06	1.34E-05	1.60E-06	2.13E-06	7.03E-06	4.85E-07
10323	470632.71	3820801.12	0.000024976	1.05E-04	9.45E-06	2.08E-05	7.71E-05	6.78E-06	2.36E-06	1.35E-05	1.61E-06	2.14E-06	7.07E-06	4.87E-07
10324	470623.8	3820804.68	0.000025097	1.05E-04	9.49E-06	2.09E-05	7.74E-05	6.81E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.90E-07
10325	470614.88	3820808.24	0.000025212	1.06E-04	9.54E-06	2.10E-05	7.78E-05	6.84E-06	2.38E-06	1.36E-05	1.63E-06	2.16E-06	7.14E-06	4.92E-07
10326	470605.97	3820811.8	0.000025318	1.06E-04	9.58E-06	2.11E-05	7.81E-05	6.87E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.17E-06	4.94E-07
10327	470597.06	3820815.36	0.000025424	1.07E-04	9.62E-06	2.12E-05	7.85E-05	6.90E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.20E-06	4.96E-07
10328	470588.15	3820818.92	0.00002552	1.07E-04	9.65E-06	2.13E-05	7.87E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.22E-06	4.98E-07
10329	470579.23	3820822.49	0.000025602	1.08E-04	9.68E-06	2.13E-05	7.90E-05	6.95E-06	2.42E-06	1.38E-05	1.65E-06	2.20E-06	7.25E-06	5.00E-07
10330	470570.32	3820826.05	0.000025679	1.08E-04	9.71E-06	2.14E-05	7.92E-05	6.97E-06	2.42E-06	1.39E-05	1.66E-06	2.20E-06	7.27E-06	5.01E-07
10331	470561.41	3820829.61	0.000025751	1.08E-04	9.74E-06	2.14E-05	7.95E-05	6.99E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.29E-06	5.02E-07
10332	470552.49	3820833.17	0.000025828	1.08E-04	9.77E-06	2.15E-05	7.97E-05	7.01E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.31E-06	5.04E-07
10333	470490.1	3820858.1	0.000026194	1.10E-04	9.91E-06	2.18E-05	8.08E-05	7.11E-06	2.47E-06	1.42E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
10334	470481.19	3820861.66	0.000026222	1.10E-04	9.92E-06	2.18E-05	8.09E-05	7.12E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.42E-06	5.12E-07
10335	470472.28	3820865.22	0.000026246	1.10E-04	9.93E-06	2.19E-05	8.10E-05	7.12E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.43E-06	5.12E-07
10336	470463.37	3820868.78	0.00002628	1.10E-04	9.94E-06	2.19E-05	8.11E-05	7.13E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.44E-06	5.13E-07
10337	470454.45	3820872.34	0.000026314	1.11E-04	9.95E-06	2.19E-05	8.12E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.13E-07
10338	470445.54	3820875.9	0.000026352	1.11E-04	9.97E-06	2.19E-05	8.13E-05	7.15E-06	2.49E-06	1.42E-05	1.70E-06	2.26E-06	7.46E-06	5.14E-07
10339	470436.63	3820879.46	0.000026381	1.11E-04	9.98E-06	2.20E-05	8.14E-05	7.16E-06	2.49E-06	1.43E-05	1.70E-06	2.26E-06	7.47E-06	5.15E-07
10340	470427.71	3820883.02	0.000026415	1.11E-04	9.99E-06	2.20E-05	8.15E-05	7.17E-06	2.49E-06	1.43E-05	1.70E-06	2.27E-06	7.48E-06	5.15E-07
10341	470418.8	3820886.58	0.000026444	1.11E-04	1.00E-05	2.20E-05	8.16E-05	7.18E-06	2.50E-06	1.43E-05	1.71E-06	2.27E-06	7.49E-06	5.16E-07
10342	470392.06	3820897.27	0.00002655	1.12E-04	1.00E-05	2.21E-05	8.19E-05	7.21E-06	2.51E-06	1.44E-05	1.71E-06	2.28E-06	7.52E-06	5.18E-07
10343	470383.15	3820900.83	0.000026593	1.12E-04	1.01E-05	2.22E-05	8.21E-05	7.22E-06	2.51E-06	1.44E-05	1.72E-06	2.28E-06	7.53E-06	5.19E-07
10344	470374.24	3820904.39	0.000026641	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
10345	470365.32	3820907.95	0.000026694	1.12E-04	1.01E-05	2.22E-05	8.24E-05	7.25E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.56E-06	5.21E-07
10346	470356.41	3820911.51	0.000026752	1.12E-04	1.01E-05	2.23E-05	8.25E-05	7.26E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.57E-06	5.22E-07
10347	470347.5	3820915.07	0.000026819	1.13E-04	1.01E-05	2.23E-05	8.28E-05	7.28E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.59E-06	5.23E-07
10348	470338.59	3820918.63	0.000026886	1.13E-04	1.02E-05	2.24E-05	8.30E-05	7.30E-06	2.54E-06	1.45E-05	1.73E-06	2.31E-06	7.61E-06	5.25E-07
10349	470329.67	3820922.2	0.000026963	1.13E-04	1.02E-05	2.25E-05	8.32E-05	7.32E-06	2.55E-06	1.46E-05	1.74E-06	2.31E-06	7.63E-06	5.26E-07
10350	470320.76	3820925.76	0.00002704	1.14E-04	1.02E-05	2.25E-05	8.34E-05	7.34E-06	2.55E-06	1.46E-05	1.74E-06	2.32E-06	7.65E-06	5.28E-07
10351	470311.85	3820929.32	0.000027122	1.14E-04	1.03E-05	2.26E-05	8.37E-05	7.36E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.68E-06	5.29E-07
10352	470302.93	3820932.88	0.000027213	1.14E-04	1.03E-05	2.27E-05	8.40E-05	7.39E-06	2.57E-06	1.47E-05	1.76E-06	2.34E-06	7.70E-06	5.31E-07
10353	470294.02	3820936.44	0.000027305	1.15E-04	1.03E-05	2.27E-05	8.43E-05	7.41E-06	2.58E-06	1.48E-05	1.76E-06	2.34E-06	7.73E-06	5.33E-07
10354	470285.11	3820940	0.000027396	1.15E-04	1.04E-05	2.28E-05	8.45E-05	7.44E-06	2.59E-06	1.48E-05	1.77E-06	2.35E-06	7.75E-06	5.35E-07
10355	470276.2	3820943.56	0.000027497	1.15E-04	1.04E-05	2.29E-05	8.49E-05	7.46E-06	2.60E-06	1.49E-05	1.77E-06	2.36E-06	7.78E-06	5.37E-07
10356	470267.28	3820947.12	0.000027598	1.16E-04	1.04E-05	2.30E-05	8.52E-05	7.49E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.81E-06	5.38E-07
10357	471779.19	3819463.69	0.000013494	5.67E-05	5.10E-06	1.12E-05	4.16E-05	3.66E-06	1.27E-06	7.29E-06	8.70E-07	1.16E-06	3.82E-06	2.63E-07
10358	471779.28	3819454.04	0.00001346	5.65E-05	5.09E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.28E-06	8.68E-07	1.16E-06	3.81E-06	2.63E-07
10359	471779.36	3819444.39	0.000013421	5.64E-05	5.08E-06	1.12E-05	4.14E-05	3.64E-06	1.27E-06	7.26E-06	8.66E-07	1.15E-06	3.80E-06	2.62E-07

10360	471779.44	3819434.75	0.000013383	5.62E-05	5.06E-06	1.11E-05	4.13E-05	3.63E-06	1.26E-06	7.23E-06	8.63E-07	1.15E-06	3.79E-06	2.61E-07
10361	471779.53	3819425.1	0.00001334	5.60E-05	5.04E-06	1.11E-05	4.12E-05	3.62E-06	1.26E-06	7.21E-06	8.60E-07	1.15E-06	3.78E-06	2.60E-07
10362	471779.61	3819415.45	0.000013292	5.58E-05	5.03E-06	1.11E-05	4.10E-05	3.61E-06	1.26E-06	7.19E-06	8.57E-07	1.14E-06	3.76E-06	2.59E-07
10363	471779.69	3819405.8	0.000013243	5.56E-05	5.01E-06	1.10E-05	4.09E-05	3.60E-06	1.25E-06	7.16E-06	8.54E-07	1.14E-06	3.75E-06	2.58E-07
10364	471779.77	3819396.15	0.000013186	5.54E-05	4.99E-06	1.10E-05	4.07E-05	3.58E-06	1.25E-06	7.13E-06	8.50E-07	1.13E-06	3.73E-06	2.57E-07
10365	471779.86	3819386.51	0.000013128	5.51E-05	4.96E-06	1.09E-05	4.05E-05	3.56E-06	1.24E-06	7.10E-06	8.47E-07	1.13E-06	3.72E-06	2.56E-07
10366	471779.94	3819376.86	0.000013065	5.49E-05	4.94E-06	1.09E-05	4.03E-05	3.55E-06	1.23E-06	7.06E-06	8.43E-07	1.12E-06	3.70E-06	2.55E-07
10367	471780.02	3819367.21	0.000013003	5.46E-05	4.92E-06	1.08E-05	4.01E-05	3.53E-06	1.23E-06	7.03E-06	8.39E-07	1.12E-06	3.68E-06	2.54E-07
10368	471780.1	3819357.56	0.000012936	5.43E-05	4.89E-06	1.08E-05	3.99E-05	3.51E-06	1.22E-06	6.99E-06	8.34E-07	1.11E-06	3.66E-06	2.52E-07
10369	471780.19	3819347.91	0.000012863	5.40E-05	4.86E-06	1.07E-05	3.97E-05	3.49E-06	1.21E-06	6.95E-06	8.30E-07	1.10E-06	3.64E-06	2.51E-07
10370	471780.27	3819338.26	0.000012786	5.37E-05	4.84E-06	1.07E-05	3.95E-05	3.47E-06	1.21E-06	6.91E-06	8.25E-07	1.10E-06	3.62E-06	2.49E-07
10371	471780.35	3819328.62	0.00001271	5.34E-05	4.81E-06	1.06E-05	3.92E-05	3.45E-06	1.20E-06	6.87E-06	8.20E-07	1.09E-06	3.60E-06	2.48E-07
10372	471780.44	3819318.97	0.000012628	5.30E-05	4.78E-06	1.05E-05	3.90E-05	3.43E-06	1.19E-06	6.83E-06	8.15E-07	1.08E-06	3.57E-06	2.46E-07
10373	471780.52	3819309.32	0.000012541	5.27E-05	4.74E-06	1.04E-05	3.87E-05	3.40E-06	1.18E-06	6.78E-06	8.09E-07	1.08E-06	3.55E-06	2.45E-07
10374	471780.6	3819299.67	0.00001245	5.23E-05	4.71E-06	1.04E-05	3.84E-05	3.38E-06	1.18E-06	6.73E-06	8.03E-07	1.07E-06	3.52E-06	2.43E-07
10375	471780.68	3819290.02	0.000012358	5.19E-05	4.67E-06	1.03E-05	3.81E-05	3.35E-06	1.17E-06	6.68E-06	7.97E-07	1.06E-06	3.50E-06	2.41E-07
10376	471780.77	3819280.38	0.000012262	5.15E-05	4.64E-06	1.02E-05	3.78E-05	3.33E-06	1.16E-06	6.63E-06	7.91E-07	1.05E-06	3.47E-06	2.39E-07
10377	471780.85	3819270.73	0.000012161	5.11E-05	4.60E-06	1.01E-05	3.75E-05	3.30E-06	1.15E-06	6.57E-06	7.84E-07	1.04E-06	3.44E-06	2.37E-07
10378	471780.93	3819261.08	0.00001206	5.06E-05	4.56E-06	1.00E-05	3.72E-05	3.27E-06	1.14E-06	6.52E-06	7.78E-07	1.04E-06	3.41E-06	2.35E-07
10379	470104.7	3819448.4	0.0027572	1.16E-02	1.04E-03	2.30E-03	8.51E-03	7.49E-04	2.60E-04	1.49E-03	1.78E-04	2.37E-04	7.80E-04	5.38E-05
10380	470108.95	3819236.14	0.0015135	6.36E-03	5.72E-04	1.26E-03	4.67E-03	4.11E-04	1.43E-04	8.18E-04	9.76E-05	1.30E-04	4.28E-04	2.95E-05
10381	470281.07	3819238.57	0.0025334	1.06E-02	9.58E-04	2.11E-03	7.82E-03	6.88E-04	2.39E-04	1.37E-03	1.63E-04	2.17E-04	7.17E-04	4.94E-05
10382	470279.25	3819450.83	0.0032267	1.36E-02	1.22E-03	2.69E-03	9.96E-03	8.76E-04	3.05E-04	1.74E-03	2.08E-04	2.77E-04	9.13E-04	6.30E-05

			T2			6191	T3				T4i				T4f			
						2.36E-08				1.77E-08				2.95E-09				1.64E-09
					6187	3820105.65												
			Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total
1	470223.98	3819217.76	3.54E-07	1.49E-06	1.34E-07	1.98E-06	2.95E-07	1.09E-06	9.62E-08	1.48E-06	3.35E-08	1.91E-07	2.28E-08	2.48E-07	3.04E-08	1.00E-07	6.91E-09	1.38E-07
2	470214.42	3819217.63	3.61E-07	1.51E-06	1.36E-07	2.01E-06	3.00E-07	1.11E-06	9.79E-08	1.51E-06	3.41E-08	1.95E-07	2.33E-08	2.52E-07	3.10E-08	1.02E-07	7.04E-09	1.40E-07
3	470204.85	3819217.49	3.63E-07	1.53E-06	1.37E-07	2.03E-06	3.03E-07	1.12E-06	9.86E-08	1.52E-06	3.43E-08	1.96E-07	2.34E-08	2.54E-07	3.12E-08	1.03E-07	7.09E-09	1.41E-07
4	470195.29	3819217.36	3.62E-07	1.52E-06	1.37E-07	2.02E-06	3.02E-07	1.12E-06	9.83E-08	1.52E-06	3.42E-08	1.96E-07	2.34E-08	2.53E-07	3.11E-08	1.03E-07	7.07E-09	1.41E-07
5	470185.73	3819217.22	3.57E-07	1.50E-06	1.35E-07	1.99E-06	2.98E-07	1.10E-06	9.70E-08	1.50E-06	3.37E-08	1.93E-07	2.31E-08	2.50E-07	3.07E-08	1.01E-07	6.97E-09	1.39E-07
6	470271.93	3819208.44	1.93E-07	8.10E-07	7.30E-08	1.08E-06	1.61E-07	5.95E-07	5.24E-08	8.09E-07	1.82E-08	1.04E-07	1.24E-08	1.35E-07	1.66E-08	5.46E-08	3.77E-09	7.49E-08
7	470262.37	3819208.3	2.15E-07	9.05E-07	8.15E-08	1.20E-06	1.79E-07	6.65E-07	5.85E-08	9.03E-07	2.03E-08	1.16E-07	1.39E-08	1.51E-07	1.85E-08	6.10E-08	4.20E-09	8.37E-08
8	470252.81	3819208.17	2.35E-07	9.88E-07	8.89E-08	1.31E-06	1.96E-07	7.26E-07	6.38E-08	9.85E-07	2.22E-08	1.27E-07	1.52E-08	1.65E-07	2.02E-08	6.66E-08	4.59E-09	9.13E-08
9	470243.24	3819208.03	2.52E-07	1.06E-06	9.51E-08	1.40E-06	2.10E-07	7.76E-07	6.83E-08	1.05E-06	2.38E-08	1.36E-07	1.62E-08	1.76E-07	2.16E-08	7.12E-08	4.91E-09	9.77E-08
10	470233.68	3819207.9	2.64E-07	1.11E-06	9.98E-08	1.47E-06	2.20E-07	8.14E-07	7.16E-08	1.11E-06	2.49E-08	1.43E-07	1.70E-08	1.85E-07	2.27E-08	7.47E-08	5.15E-09	1.03E-07
11	470224.12	3819207.76	2.73E-07	1.15E-06	1.03E-07	1.52E-06	2.27E-07	8.43E-07	7.41E-08	1.14E-06	2.58E-08	1.48E-07	1.76E-08	1.91E-07	2.34E-08	7.73E-08	5.33E-09	1.06E-07
12	470214.56	3819207.63	2.79E-07	1.17E-06	1.06E-07	1.56E-06	2.32E-07	8.61E-07	7.58E-08	1.17E-06	2.64E-08	1.51E-07	1.80E-08	1.95E-07	2.40E-08	7.90E-08	5.45E-09	1.08E-07
13	470205	3819207.49	2.82E-07	1.18E-06	1.07E-07	1.57E-06	2.35E-07	8.70E-07	7.65E-08	1.18E-06	2.66E-08	1.52E-07	1.82E-08	1.97E-07	2.42E-08	7.98E-08	5.50E-09	1.09E-07
14	470195.43	3819207.36	2.82E-07	1.18E-06	1.07E-07	1.57E-06	2.35E-07	8.70E-07	7.65E-08	1.18E-06	2.66E-08	1.52E-07	1.82E-08	1.97E-07	2.42E-08	7.98E-08	5.50E-09	1.09E-07
15	470185.87	3819207.22	2.79E-07	1.17E-06	1.05E-07	1.56E-06	2.32E-07	8.61E-07	7.57E-08	1.17E-06	2.63E-08	1.51E-07	1.80E-08	1.95E-07	2.39E-08	7.89E-08	5.44E-09	1.08E-07
16	470166.75	3819206.95	2.65E-07	1.11E-06	1.00E-07	1.48E-06	2.20E-07	8.17E-07	7.18E-08	1.11E-06	2.50E-08	1.43E-07	1.71E-08	1.85E-07	2.27E-08	7.49E-08	5.16E-09	1.03E-07
17	470157.18	3819206.82	2.53E-07	1.06E-06	9.56E-08	1.41E-06	2.11E-07	7.80E-07	6.86E-08	1.06E-06	2.39E-08	1.37E-07	1.63E-08	1.77E-07	2.17E-08	7.15E-08	4.93E-09	9.82E-08
18	470147.62	3819206.68	2.37E-07	9.96E-07	8.97E-08	1.32E-06	1.98E-07	7.32E-07	6.44E-08	9.94E-07	2.24E-08	1.28E-07	1.53E-08	1.66E-07	2.04E-08	6.72E-08	4.63E-09	9.21E-08
19	470138.06	3819206.55	2.18E-07	9.14E-07	8.23E-08	1.21E-06	1.81E-07	6.72E-07	5.91E-08	9.12E-07	2.06E-08	1.18E-07	1.40E-08	1.52E-07	1.87E-08	6.16E-08	4.25E-09	8.46E-08
20	470128.5	3819206.41	1.94E-07	8.15E-07	7.34E-08	1.08E-06	1.62E-07	5.99E-07	5.27E-08	8.13E-07	1.83E-08	1.05E-07	1.25E-08	1.36E-07	1.67E-08	5.49E-08	3.79E-09	7.54E-08
21	470118.94	3819206.28	1.69E-07	7.10E-07	6.39E-08	9.42E-07	1.41E-07	5.21E-07	4.59E-08	7.08E-07	1.60E-08	9.13E-08	1.09E-08	1.18E-07	1.45E-08	4.78E-08	3.30E-09	6.56E-08
22	470109.37	3819206.14	1.45E-07	6.08E-07	5.47E-08	8.07E-07	1.21E-07	4.47E-07	3.93E-08	6.06E-07	1.37E-08	7.82E-08	9.33E-09	1.01E-07	1.24E-08	4.10E-08	2.82E-09	5.62E-08
23	470272.07	3819198.44	1.57E-07	6.59E-07	5.93E-08	8.75E-07	1.31E-07	4.84E-07	4.26E-08	6.57E-07	1.48E-08	8.48E-08	1.01E-08	1.10E-07	1.35E-08	4.44E-08	3.06E-09	6.09E-08
24	470262.51	3819198.3	1.72E-07	7.20E-07	6.49E-08	9.57E-07	1.43E-07	5.29E-07	4.66E-08	7.19E-07	1.62E-08	9.27E-08	1.11E-08	1.20E-07	1.47E-08	4.86E-08	3.35E-09	6.66E-08
25	470252.95	3819198.17	1.86E-07	7.83E-07	7.05E-08	1.04E-06	1.55E-07	5.75E-07	5.06E-08	7.81E-07	1.76E-08	1.01E-07	1.20E-08	1.30E-07	1.60E-08	5.28E-08	3.64E-09	7.24E-08
26	470243.39	3819198.03	2.00E-07	8.38E-07	7.55E-08	1.11E-06	1.66E-07	6.16E-07	5.42E-08	8.36E-07	1.88E-08	1.08E-07	1.29E-08	1.40E-07	1.71E-08	5.65E-08	3.89E-09	7.75E-08
27	470233.82	3819197.9	2.10E-07	8.83E-07	7.95E-08	1.17E-06	1.75E-07	6.49E-07	5.71E-08	8.81E-07	1.98E-08	1.14E-07	1.36E-08	1.47E-07	1.80E-08	5.95E-08	4.10E-09	8.16E-08
28	470224.26	3819197.76	2.18E-07	9.16E-07	8.25E-08	1.22E-06	1.82E-07	6.73E-07	5.92E-08	9.14E-07	2.06E-08	1.18E-07	1.41E-08	1.53E-07	1.87E-08	6.18E-08	4.26E-09	8.48E-08
29	470214.7	3819197.63	2.24E-07	9.39E-07	8.46E-08	1.25E-06	1.86E-07	6.90E-07	6.07E-08	9.37E-07	2.11E-08	1.21E-07	1.44E-08	1.56E-07	1.92E-08	6.33E-08	4.37E-09	8.69E-08
30	470205.14	3819197.49	2.27E-07	9.52E-07	8.57E-08	1.26E-06	1.89E-07	7.00E-07	6.15E-08	9.50E-07	2.14E-08	1.23E-07	1.46E-08	1.59E-07	1.95E-08	6.42E-08	4.42E-09	8.81E-08
31	470195.57	3819197.36	2.27E-07	9.55E-07	8.60E-08	1.27E-06	1.89E-07	7.02E-07	6.17E-08	9.53E-07	2.15E-08	1.23E-07	1.47E-08	1.59E-07	1.95E-08	6.44E-08	4.44E-09	8.83E-08
32	470186.01	3819197.22	2.26E-07	9.48E-07	8.54E-08	1.26E-06	1.88E-07	6.97E-07	6.13E-08	9.46E-07	2.13E-08	1.22E-07	1.46E-08	1.58E-07	1.94E-08	6.39E-08	4.40E-09	8.77E-08
33	470166.89	3819196.95	2.15E-07	9.05E-07	8.15E-08	1.20E-06	1.79E-07	6.65E-07	5.85E-08	9.03E-07	2.03E-08	1.16E-07	1.39E-08	1.51E-07	1.85E-08	6.10E-08	4.20E-09	8.37E-08
34	470157.33	3819196.82	2.07E-07	8.68E-07	7.81E-08	1.15E-06	1.72E-07	6.38E-07	5.61E-08	8.66E-07	1.95E-08	1.12E-07	1.33E-08	1.45E-07	1.77E-08	5.85E-08	4.03E-09	8.03E-08
35	470147.76	3819196.68	1.95E-07	8.19E-07	7.38E-08	1.09E-06	1.62E-07	6.02E-07	5.30E-08	8.17E-07	1.84E-08	1.05E-07	1.26E-08	1.36E-07	1.67E-08	5.52E-08	3.81E-09	7.58E-08
36	470138.2	3819196.55	1.81E-07	7.59E-07	6.84E-08	1.01E-06	1.51E-07	5.58E-07	4.91E-08	7.58E-07	1.71E-08	9.78E-08	1.17E-08	1.26E-07	1.55E-08	5.12E-08	3.53E-09	7.02E-08
37	470128.64	3819196.41	1.64E-07	6.88E-07	6.20E-08	9.14E-07	1.36E-07	5.06E-07	4.45E-08	6.87E-07	1.55E-08	8.86E-08	1.06E-08	1.15E-07	1.41E-08	4.64E-08	3.20E-09	6.36E-08
38	470119.08	3819196.28	1.46E-07	6.13E-07	5.52E-08	8.14E-07	1.22E-07	4.50E-07	3.96E-08	6.11E-07	1.38E-08	7.89E-08	9.41E-09	1.02E-07	1.25E-08	4.13E-08	2.85E-09	5.67E-08
39	470109.51	3819196.14	1.28E-07	5.38E-07	4.84E-08	7.14E-07	1.07E-07	3.95E-07	3.47E-08	5.36E-07	1.21E-08	6.92E-08	8.26E-09	8.95E-08	1.10E-08	3.62E-08	2.50E-09	4.97E-08
40	470320.39	3819212.46	1.10E-07	4.63E-07	4.17E-08	6.15E-07	9.18E-08	3.40E-07	2.99E-08	4.62E-07	1.04E-08	5.96E-08	7.11E-09	7.71E-08	9.46E-09	3.12E-08	2.15E-09	4.28E-08
41	470272.21	3819188.44	1.30E-07	5.47E-07	4.93E-08	7.27E-07	1.09E-07	4.02E-07	3.54E-08	5.46E-07	1.23E-08	7.05E-08	8.41E-09	9.12E-08	1.12E-08	3.69E-08	2.54E-09	5.06E-08
42	470262.65	3819188.3	1.42E-07	5.95E-07	5.36E-08	7.90E-07	1.18E-07	4.37E-07	3.85E-08	5.94E-07	1.34E-08	7.66E-08	9.14E-09	9.91E-08	1.22E-08	4.01E-08	2.77E-09	5.50E-08
43	470253.09	3819188.17	1.53E-07	6.43E-07	5.79E-08	8.54E-07	1.28E-07	4.73E-07	4.16E-08	6.42E-07	1.45E-08	8.28E-08	9.88E-09	1.07E-07	1.32E-08	4.34E-08	2.99E-09	5.95E-08
44	470243.53	3819188.03	1.64E-07	6.87E-07	6.19E-08	9.13E-07	1.36E-07	5.05E-07	4.44E-08	6.86E-07	1.55E-08	8.85E-08	1.06E-08	1.14E-07	1.40E-08	4.63E-08	3.19E-09	6.36E-08
45	470233.96	3819187.9	1.72E-07	7.24E-07	6.52E-08	9.62E-07	1.44E-07	5.32E-07	4.68E-08	7.22E-07	1.63E-08	9.32E-08	1.11E-08	1.21E-07	1.48E-08	4.88E-08	3.36E-09	6.70E-08
46	470224.4	3819187.76	1.79E-07	7.53E-07	6.78E-08	1.00E-06	1.49E-07	5.53E-07	4.87E-08	7.51E-07	1.69E-08	9.69E-08	1.16E-08	1.25E-07	1.54E-08	5.07E-08	3.50E-09	6.96E-08
47	470214.84	3819187.63	1.84E-07	7.73E-07	6.96E-08	1.03E-06	1.53E-07	5.68E-07	5.00E-08	7.72E-07	1.74E-08	9.96E-08	1.19E-08	1.29E-07	1.58E-08	5.21E-08	3.59E-09	7.15E-08

48	470205.28	3819187.49	1.87E-07	7.86E-07	7.08E-08	1.04E-06	1.56E-07	5.77E-07	5.08E-08	7.84E-07	1.77E-08	1.01E-07	1.21E-08	1.31E-07	1.61E-08	5.30E-08	3.65E-09	7.27E-08
49	470195.72	3819187.36	1.88E-07	7.90E-07	7.12E-08	1.05E-06	1.57E-07	5.81E-07	5.11E-08	7.88E-07	1.78E-08	1.02E-07	1.21E-08	1.32E-07	1.62E-08	5.33E-08	3.67E-09	7.31E-08
50	470186.15	3819187.22	1.87E-07	7.87E-07	7.08E-08	1.04E-06	1.56E-07	5.78E-07	5.08E-08	7.85E-07	1.77E-08	1.01E-07	1.21E-08	1.31E-07	1.61E-08	5.30E-08	3.65E-09	7.28E-08
51	470167.03	3819186.95	1.80E-07	7.55E-07	6.80E-08	1.00E-06	1.50E-07	5.55E-07	4.88E-08	7.53E-07	1.70E-08	9.72E-08	1.16E-08	1.26E-07	1.54E-08	5.09E-08	3.51E-09	6.98E-08
52	470157.47	3819186.82	1.73E-07	7.26E-07	6.54E-08	9.64E-07	1.44E-07	5.33E-07	4.69E-08	7.24E-07	1.63E-08	9.35E-08	1.12E-08	1.21E-07	1.48E-08	4.89E-08	3.37E-09	6.72E-08
53	470147.9	3819186.68	1.64E-07	6.89E-07	6.20E-08	9.15E-07	1.37E-07	5.06E-07	4.45E-08	6.87E-07	1.55E-08	8.86E-08	1.06E-08	1.15E-07	1.41E-08	4.64E-08	3.20E-09	6.37E-08
54	470138.34	3819186.55	1.53E-07	6.43E-07	5.79E-08	8.54E-07	1.28E-07	4.73E-07	4.16E-08	6.42E-07	1.45E-08	8.28E-08	9.88E-09	1.07E-07	1.32E-08	4.34E-08	2.99E-09	5.95E-08
55	470128.78	3819186.41	1.41E-07	5.91E-07	5.32E-08	7.85E-07	1.17E-07	4.34E-07	3.82E-08	5.90E-07	1.33E-08	7.61E-08	9.08E-09	9.84E-08	1.21E-08	3.98E-08	2.75E-09	5.47E-08
56	470119.22	3819186.28	1.27E-07	5.35E-07	4.82E-08	7.11E-07	1.06E-07	3.93E-07	3.46E-08	5.34E-07	1.20E-08	6.89E-08	8.22E-09	8.91E-08	1.09E-08	3.61E-08	2.49E-09	4.95E-08
57	470109.66	3819186.14	1.14E-07	4.79E-07	4.31E-08	6.36E-07	9.49E-08	3.52E-07	3.09E-08	4.78E-07	1.08E-08	6.16E-08	7.35E-09	7.97E-08	9.78E-09	3.23E-08	2.22E-09	4.43E-08
58	470315.56	3819193.02	8.81E-08	3.70E-07	3.33E-08	4.91E-07	7.34E-08	2.72E-07	2.39E-08	3.69E-07	8.32E-09	4.76E-08	5.68E-09	6.16E-08	7.56E-09	2.49E-08	1.72E-09	3.42E-08
59	470327.39	3819205.12	9.20E-08	3.86E-07	3.48E-08	5.13E-07	7.66E-08	2.84E-07	2.50E-08	3.85E-07	8.69E-09	4.97E-08	5.93E-09	6.43E-08	7.90E-09	2.60E-08	1.79E-09	3.57E-08
60	470330.81	3819213.61	9.98E-08	4.19E-07	3.77E-08	5.57E-07	8.31E-08	3.08E-07	2.71E-08	4.18E-07	9.42E-09	5.39E-08	6.44E-09	6.98E-08	8.57E-09	2.82E-08	1.95E-09	3.88E-08
61	470272.35	3819178.44	1.11E-07	4.65E-07	4.18E-08	6.17E-07	9.22E-08	3.41E-07	3.00E-08	4.64E-07	1.04E-08	5.98E-08	7.14E-09	7.74E-08	9.50E-09	3.13E-08	2.16E-09	4.30E-08
62	470262.79	3819178.31	1.20E-07	5.04E-07	4.53E-08	6.69E-07	9.99E-08	3.70E-07	3.25E-08	5.02E-07	1.13E-08	6.48E-08	7.73E-09	8.39E-08	1.03E-08	3.39E-08	2.34E-09	4.66E-08
63	470253.23	3819178.17	1.29E-07	5.42E-07	4.88E-08	7.20E-07	1.07E-07	3.98E-07	3.50E-08	5.41E-07	1.22E-08	6.97E-08	8.32E-09	9.03E-08	1.11E-08	3.65E-08	2.52E-09	5.01E-08
64	470243.67	3819178.04	1.37E-07	5.77E-07	5.20E-08	7.67E-07	1.14E-07	4.24E-07	3.73E-08	5.76E-07	1.30E-08	7.43E-08	8.86E-09	9.61E-08	1.18E-08	3.89E-08	2.68E-09	5.34E-08
65	470234.11	3819177.9	1.45E-07	6.07E-07	5.47E-08	8.07E-07	1.20E-07	4.46E-07	3.93E-08	6.06E-07	1.37E-08	7.82E-08	9.33E-09	1.01E-07	1.24E-08	4.09E-08	2.82E-09	5.62E-08
66	470224.54	3819177.77	1.50E-07	6.32E-07	5.69E-08	8.39E-07	1.25E-07	4.64E-07	4.08E-08	6.30E-07	1.42E-08	8.13E-08	9.70E-09	1.05E-07	1.29E-08	4.26E-08	2.94E-09	5.84E-08
67	470214.98	3819177.63	1.55E-07	6.50E-07	5.85E-08	8.63E-07	1.29E-07	4.78E-07	4.20E-08	6.48E-07	1.46E-08	8.37E-08	9.98E-09	1.08E-07	1.33E-08	4.38E-08	3.02E-09	6.01E-08
68	470205.42	3819177.5	1.58E-07	6.62E-07	5.96E-08	8.79E-07	1.31E-07	4.86E-07	4.28E-08	6.60E-07	1.49E-08	8.52E-08	1.02E-08	1.10E-07	1.35E-08	4.46E-08	3.07E-09	6.12E-08
69	470195.86	3819177.36	1.59E-07	6.67E-07	6.00E-08	8.86E-07	1.32E-07	4.90E-07	4.31E-08	6.65E-07	1.50E-08	8.58E-08	1.02E-08	1.11E-07	1.36E-08	4.49E-08	3.10E-09	6.17E-08
70	470186.29	3819177.23	1.58E-07	6.65E-07	5.99E-08	8.84E-07	1.32E-07	4.89E-07	4.30E-08	6.64E-07	1.50E-08	8.56E-08	1.02E-08	1.11E-07	1.36E-08	4.48E-08	3.09E-09	6.15E-08
71	470167.17	3819176.96	1.53E-07	6.42E-07	5.78E-08	8.53E-07	1.27E-07	4.72E-07	4.15E-08	6.40E-07	1.44E-08	8.26E-08	9.86E-09	1.07E-07	1.31E-08	4.33E-08	2.98E-09	5.94E-08
72	470157.61	3819176.82	1.47E-07	6.19E-07	5.57E-08	8.22E-07	1.23E-07	4.55E-07	4.00E-08	6.18E-07	1.39E-08	7.97E-08	9.51E-09	1.03E-07	1.27E-08	4.17E-08	2.88E-09	5.72E-08
73	470148.05	3819176.69	1.40E-07	5.90E-07	5.31E-08	7.83E-07	1.17E-07	4.33E-07	3.81E-08	5.88E-07	1.33E-08	7.59E-08	9.06E-09	9.82E-08	1.21E-08	3.97E-08	2.74E-09	5.45E-08
74	470138.48	3819176.55	1.32E-07	5.54E-07	4.99E-08	7.36E-07	1.10E-07	4.07E-07	3.58E-08	5.53E-07	1.25E-08	7.14E-08	8.51E-09	9.23E-08	1.13E-08	3.74E-08	2.58E-09	5.13E-08
75	470128.92	3819176.42	1.23E-07	5.15E-07	4.64E-08	6.84E-07	1.02E-07	3.78E-07	3.33E-08	5.14E-07	1.16E-08	6.63E-08	7.91E-09	8.58E-08	1.05E-08	3.47E-08	2.39E-09	4.76E-08
76	470119.36	3819176.28	1.12E-07	4.72E-07	4.25E-08	6.27E-07	9.37E-08	3.47E-07	3.05E-08	4.71E-07	1.06E-08	6.08E-08	7.25E-09	7.87E-08	9.66E-09	3.18E-08	2.19E-09	4.37E-08
77	470109.8	3819176.15	1.02E-07	4.29E-07	3.86E-08	5.70E-07	8.51E-08	3.15E-07	2.77E-08	4.28E-07	9.64E-09	5.52E-08	6.59E-09	7.14E-08	8.77E-09	2.89E-08	1.99E-09	3.97E-08
78	470322.95	3819186.13	7.49E-08	3.15E-07	2.83E-08	4.18E-07	6.24E-08	2.31E-07	2.03E-08	3.14E-07	7.08E-09	4.05E-08	4.83E-09	5.24E-08	6.43E-09	2.12E-08	1.46E-09	2.91E-08
79	470334.45	3819197.89	7.80E-08	3.28E-07	2.95E-08	4.35E-07	6.50E-08	2.41E-07	2.12E-08	3.27E-07	7.37E-09	4.22E-08	5.03E-09	5.46E-08	6.70E-09	2.21E-08	1.52E-09	3.03E-08
80	470341.1	3819214.4	9.05E-08	3.80E-07	3.42E-08	5.05E-07	7.54E-08	2.79E-07	2.46E-08	3.79E-07	8.55E-09	4.89E-08	5.84E-09	6.33E-08	7.77E-09	2.56E-08	1.77E-09	3.52E-08
81	470272.5	3819168.44	9.54E-08	4.01E-07	3.61E-08	5.32E-07	7.95E-08	2.95E-07	2.59E-08	4.00E-07	9.01E-09	5.16E-08	6.16E-09	6.68E-08	8.19E-09	2.70E-08	1.86E-09	3.71E-08
82	470262.93	3819168.31	1.03E-07	4.33E-07	3.90E-08	5.75E-07	8.59E-08	3.18E-07	2.80E-08	4.32E-07	9.74E-09	5.58E-08	6.65E-09	7.22E-08	8.86E-09	2.92E-08	2.01E-09	4.01E-08
83	470253.37	3819168.17	1.11E-07	4.65E-07	4.18E-08	6.17E-07	9.21E-08	3.41E-07	3.00E-08	4.63E-07	1.04E-08	5.98E-08	7.13E-09	7.74E-08	9.50E-09	3.13E-08	2.16E-09	4.30E-08
84	470243.81	3819168.04	1.17E-07	4.93E-07	4.44E-08	6.55E-07	9.78E-08	3.63E-07	3.19E-08	4.92E-07	1.11E-08	6.35E-08	7.58E-09	8.22E-08	1.01E-08	3.33E-08	2.29E-09	4.56E-08
85	470234.25	3819167.9	1.23E-07	5.18E-07	4.67E-08	6.89E-07	1.03E-07	3.81E-07	3.35E-08	5.17E-07	1.17E-08	6.67E-08	7.96E-09	8.64E-08	1.06E-08	3.49E-08	2.41E-09	4.80E-08
86	470224.68	3819167.77	1.28E-07	5.39E-07	4.86E-08	7.16E-07	1.07E-07	3.96E-07	3.49E-08	5.38E-07	1.21E-08	6.94E-08	8.28E-09	8.98E-08	1.10E-08	3.63E-08	2.51E-09	4.99E-08
87	470215.12	3819167.63	1.32E-07	5.55E-07	5.00E-08	7.37E-07	1.10E-07	4.08E-07	3.59E-08	5.54E-07	1.25E-08	7.15E-08	8.53E-09	9.25E-08	1.13E-08	3.74E-08	2.58E-09	5.13E-08
88	470205.56	3819167.5	1.35E-07	5.66E-07	5.10E-08	7.51E-07	1.12E-07	4.16E-07	3.66E-08	5.65E-07	1.27E-08	7.28E-08	8.69E-09	9.42E-08	1.16E-08	3.81E-08	2.63E-09	5.23E-08
89	470196	3819167.36	1.36E-07	5.71E-07	5.14E-08	7.58E-07	1.13E-07	4.20E-07	3.69E-08	5.70E-07	1.28E-08	7.35E-08	8.77E-09	9.51E-08	1.17E-08	3.85E-08	2.65E-09	5.28E-08
90	470186.44	3819167.23	1.36E-07	5.71E-07	5.14E-08	7.58E-07	1.13E-07	4.20E-07	3.69E-08	5.70E-07	1.28E-08	7.35E-08	8.77E-09	9.51E-08	1.17E-08	3.85E-08	2.65E-09	5.28E-08
91	470167.31	3819166.96	1.32E-07	5.54E-07	4.98E-08	7.35E-07	1.10E-07	4.07E-07	3.58E-08	5.52E-07	1.24E-08	7.13E-08	8.50E-09	9.22E-08	1.13E-08	3.73E-08	2.57E-09	5.12E-08
92	470157.75	3819166.82	1.27E-07	5.35E-07	4.82E-08	7.11E-07	1.06E-07	3.93E-07	3.46E-08	5.34E-07	1.20E-08	6.89E-08	8.22E-09	8.91E-08	1.09E-08	3.61E-08	2.49E-09	4.95E-08
93	470148.19	3819166.69	1.22E-07	5.12E-07	4.61E-08	6.80E-07	1.02E-07	3.76E-07	3.31E-08	5.11E-07	1.15E-08	6.59E-08	7.86E-09	8.52E-08	1.05E-08	3.45E-08	2.38E-09	4.73E-08
94	470138.62	3819166.55	1.15E-07	4.84E-07	4.36E-08	6.43E-07	9.60E-08	3.56E-07	3.13E-08	4.83E-07	1.09E-08	6.23E-08	7.43E-09	8.06E-08	9.89E-09	3.26E-08	2.25E-09	4.48E-08
95	470129.06	3819166.42	1.08E-07	4.54E-07	4.08E-08	6.02E-07	8.99E-08	3.33E-07	2.93E-08	4.53E-07	1.02E-08	5.84E-08	6.97E-09	7.55E-08	9.27E-09	3.06E-08	2.11E-09	4.19E-08
96	470119.5	3819166.28	1.00E-07	4.20E-07	3.79E-08	5.58E-07	8.34E-08	3.09E-07	2.72E-08	4.20E-07	9.45E-09	5.41E-08	6.46E-09	7.00E-08	8.59E-09	2.83E-08	1.95E-09	3.89E-08
97	470109.94	3819166.15	9.20E-08	3.86E-07	3.48E-08	5.13E-07	7.66E-08	2.84E-07	2.50E-08	3.85E-07	8.69E-09	4.97E-08	5.93E-09	6.43E-08	7.90E-09	2.60E-08	1.79E-09	3.57E-08
98	470322.25	3819175.77	6.66E-08	2.80E-07	2.52E-08	3.72E-07	5.55E-08	2.06E-07	1.81E-08	2.79E-07	6.29E-09	3.60E-08	4.30E-09	4.66E-08	5.72E-09	1.89E-08	1.30E-09	2.59E-08

99	470341.53	3819190.73	6.70E-08	2.81E-07	2.53E-08	3.74E-07	5.58E-08	2.07E-07	1.82E-08	2.81E-07	6.33E-09	3.62E-08	4.32E-09	4.69E-08	5.75E-09	1.90E-08	1.31E-09	2.60E-08
100	470348.04	3819206.91	7.70E-08	3.23E-07	2.91E-08	4.29E-07	6.41E-08	2.38E-07	2.09E-08	3.23E-07	7.27E-09	4.16E-08	4.97E-09	5.39E-08	6.61E-09	2.18E-08	1.50E-09	2.99E-08
101	470272.64	3819158.44	8.37E-08	3.51E-07	3.16E-08	4.67E-07	6.97E-08	2.58E-07	2.27E-08	3.51E-07	7.90E-09	4.52E-08	5.40E-09	5.85E-08	7.18E-09	2.37E-08	1.63E-09	3.25E-08
102	470263.07	3819158.31	9.00E-08	3.78E-07	3.41E-08	5.02E-07	7.50E-08	2.78E-07	2.44E-08	3.77E-07	8.50E-09	4.87E-08	5.81E-09	6.30E-08	7.73E-09	2.55E-08	1.76E-09	3.50E-08
103	470253.51	3819158.17	9.62E-08	4.04E-07	3.64E-08	5.36E-07	8.01E-08	2.97E-07	2.61E-08	4.03E-07	9.08E-09	5.20E-08	6.20E-09	6.73E-08	8.26E-09	2.72E-08	1.88E-09	3.74E-08
104	470243.95	3819158.04	1.02E-07	4.28E-07	3.85E-08	5.68E-07	8.48E-08	3.14E-07	2.77E-08	4.27E-07	9.62E-09	5.51E-08	6.57E-09	7.13E-08	8.74E-09	2.88E-08	1.99E-09	3.96E-08
105	470234.39	3819157.9	1.07E-07	4.49E-07	4.04E-08	5.96E-07	8.90E-08	3.30E-07	2.90E-08	4.48E-07	1.01E-08	5.78E-08	6.89E-09	7.48E-08	9.18E-09	3.03E-08	2.09E-09	4.15E-08
106	470224.83	3819157.77	1.11E-07	4.66E-07	4.20E-08	6.19E-07	9.25E-08	3.43E-07	3.01E-08	4.65E-07	1.05E-08	6.00E-08	7.16E-09	7.77E-08	9.53E-09	3.14E-08	2.17E-09	4.31E-08
107	470215.26	3819157.63	1.14E-07	4.80E-07	4.32E-08	6.37E-07	9.51E-08	3.52E-07	3.10E-08	4.78E-07	1.08E-08	6.17E-08	7.36E-09	7.99E-08	9.80E-09	3.23E-08	2.23E-09	4.44E-08
108	470205.7	3819157.5	1.16E-07	4.89E-07	4.40E-08	6.49E-07	9.69E-08	3.59E-07	3.16E-08	4.88E-07	1.10E-08	6.29E-08	7.51E-09	8.14E-08	9.99E-09	3.29E-08	2.27E-09	4.52E-08
109	470196.14	3819157.36	1.18E-07	4.94E-07	4.45E-08	6.56E-07	9.79E-08	3.63E-07	3.19E-08	4.93E-07	1.11E-08	6.35E-08	7.58E-09	8.22E-08	1.01E-08	3.33E-08	2.29E-09	4.57E-08
110	470186.58	3819157.23	1.18E-07	4.94E-07	4.45E-08	6.57E-07	9.81E-08	3.63E-07	3.20E-08	4.93E-07	1.11E-08	6.36E-08	7.59E-09	8.24E-08	1.01E-08	3.33E-08	2.30E-09	4.57E-08
111	470167.45	3819156.96	1.15E-07	4.82E-07	4.34E-08	6.40E-07	9.55E-08	3.54E-07	3.11E-08	4.81E-07	1.08E-08	6.20E-08	7.40E-09	8.02E-08	9.85E-09	3.25E-08	2.24E-09	4.46E-08
112	470157.89	3819156.82	1.11E-07	4.68E-07	4.21E-08	6.21E-07	9.28E-08	3.44E-07	3.02E-08	4.67E-07	1.05E-08	6.02E-08	7.18E-09	7.79E-08	9.56E-09	3.15E-08	2.17E-09	4.33E-08
113	470148.33	3819156.69	1.07E-07	4.50E-07	4.05E-08	5.97E-07	8.92E-08	3.30E-07	2.91E-08	4.49E-07	1.01E-08	5.79E-08	6.91E-09	7.49E-08	9.19E-09	3.03E-08	2.09E-09	4.16E-08
114	470138.77	3819156.55	1.02E-07	4.28E-07	3.85E-08	5.68E-07	8.49E-08	3.14E-07	2.77E-08	4.27E-07	9.62E-09	5.51E-08	6.57E-09	7.13E-08	8.75E-09	2.88E-08	1.99E-09	3.96E-08
115	470129.2	3819156.42	9.61E-08	4.04E-07	3.63E-08	5.36E-07	8.01E-08	2.97E-07	2.61E-08	4.03E-07	9.08E-09	5.20E-08	6.20E-09	6.72E-08	8.25E-09	2.72E-08	1.88E-09	3.73E-08
116	470119.64	3819156.28	8.98E-08	3.77E-07	3.40E-08	5.01E-07	7.48E-08	2.77E-07	2.44E-08	3.76E-07	8.48E-09	4.86E-08	5.79E-09	6.28E-08	7.71E-09	2.54E-08	1.75E-09	3.49E-08
117	470110.08	3819156.15	8.32E-08	3.50E-07	3.15E-08	4.64E-07	6.93E-08	2.57E-07	2.26E-08	3.49E-07	7.86E-09	4.50E-08	5.37E-09	5.82E-08	7.15E-09	2.36E-08	1.62E-09	3.23E-08
118	470321.77	3819165.5	5.97E-08	2.51E-07	2.26E-08	3.33E-07	4.97E-08	1.84E-07	1.62E-08	2.50E-07	5.63E-09	3.23E-08	3.85E-09	4.17E-08	5.12E-09	1.69E-08	1.16E-09	2.32E-08
119	470337.54	3819172.27	5.62E-08	2.36E-07	2.12E-08	3.13E-07	4.68E-08	1.73E-07	1.52E-08	2.35E-07	5.30E-09	3.04E-08	3.62E-09	3.93E-08	4.82E-09	1.59E-08	1.10E-09	2.18E-08
120	470348.63	3819183.62	5.82E-08	2.44E-07	2.20E-08	3.25E-07	4.85E-08	1.80E-07	1.58E-08	2.44E-07	5.49E-09	3.15E-08	3.75E-09	4.07E-08	4.99E-09	1.65E-08	1.14E-09	2.26E-08
121	470355.04	3819199.54	6.63E-08	2.78E-07	2.51E-08	3.70E-07	5.52E-08	2.04E-07	1.80E-08	2.78E-07	6.26E-09	3.58E-08	4.27E-09	4.64E-08	5.69E-09	1.88E-08	1.29E-09	2.57E-08
122	470361.45	3819215.46	7.55E-08	3.17E-07	2.86E-08	4.21E-07	6.29E-08	2.33E-07	2.05E-08	3.16E-07	7.13E-09	4.08E-08	4.87E-09	5.28E-08	6.48E-09	2.14E-08	1.47E-09	2.93E-08
123	470272.78	3819148.44	7.41E-08	3.11E-07	2.80E-08	4.14E-07	6.18E-08	2.29E-07	2.01E-08	3.11E-07	7.00E-09	4.01E-08	4.78E-09	5.19E-08	6.36E-09	2.10E-08	1.45E-09	2.88E-08
124	470263.22	3819148.31	7.95E-08	3.34E-07	3.00E-08	4.43E-07	6.62E-08	2.45E-07	2.16E-08	3.33E-07	7.50E-09	4.30E-08	5.12E-09	5.56E-08	6.82E-09	2.25E-08	1.55E-09	3.09E-08
125	470253.65	3819148.17	8.46E-08	3.55E-07	3.20E-08	4.72E-07	7.05E-08	2.61E-07	2.30E-08	3.54E-07	7.99E-09	4.57E-08	5.46E-09	5.92E-08	7.26E-09	2.39E-08	1.65E-09	3.29E-08
126	470244.09	3819148.04	8.94E-08	3.75E-07	3.38E-08	4.98E-07	7.44E-08	2.76E-07	2.43E-08	3.74E-07	8.44E-09	4.83E-08	5.76E-09	6.25E-08	7.67E-09	2.53E-08	1.74E-09	3.47E-08
127	470234.53	3819147.9	9.36E-08	3.93E-07	3.54E-08	5.22E-07	7.80E-08	2.89E-07	2.54E-08	3.92E-07	8.84E-09	5.06E-08	6.04E-09	6.55E-08	8.04E-09	2.65E-08	1.83E-09	3.64E-08
128	470224.97	3819147.77	9.71E-08	4.08E-07	3.67E-08	5.42E-07	8.09E-08	3.00E-07	2.64E-08	4.07E-07	9.17E-09	5.25E-08	6.26E-09	6.79E-08	8.34E-09	2.75E-08	1.89E-09	3.77E-08
129	470215.4	3819147.63	9.97E-08	4.19E-07	3.77E-08	5.56E-07	8.31E-08	3.08E-07	2.71E-08	4.18E-07	9.42E-09	5.39E-08	6.43E-09	6.98E-08	8.56E-09	2.82E-08	1.95E-09	3.87E-08
130	470205.84	3819147.5	1.02E-07	4.27E-07	3.84E-08	5.67E-07	8.46E-08	3.13E-07	2.76E-08	4.26E-07	9.59E-09	5.49E-08	6.55E-09	7.11E-08	8.72E-09	2.88E-08	1.98E-09	3.95E-08
131	470196.28	3819147.36	1.03E-07	4.31E-07	3.88E-08	5.73E-07	8.55E-08	3.17E-07	2.79E-08	4.30E-07	9.69E-09	5.55E-08	6.62E-09	7.18E-08	8.81E-09	2.91E-08	2.00E-09	3.99E-08
132	470186.72	3819147.23	1.03E-07	4.32E-07	3.89E-08	5.74E-07	8.58E-08	3.18E-07	2.79E-08	4.31E-07	9.72E-09	5.57E-08	6.64E-09	7.20E-08	8.84E-09	2.91E-08	2.01E-09	4.00E-08
133	470158.03	3819146.82	9.82E-08	4.13E-07	3.72E-08	5.48E-07	8.18E-08	3.03E-07	2.67E-08	4.12E-07	9.28E-09	5.31E-08	6.34E-09	6.87E-08	8.43E-09	2.78E-08	1.92E-09	3.82E-08
134	470148.47	3819146.69	9.49E-08	3.98E-07	3.59E-08	5.29E-07	7.90E-08	2.93E-07	2.58E-08	3.98E-07	8.96E-09	5.13E-08	6.12E-09	6.64E-08	8.15E-09	2.69E-08	1.85E-09	3.69E-08
135	470138.91	3819146.55	9.08E-08	3.81E-07	3.43E-08	5.06E-07	7.56E-08	2.80E-07	2.46E-08	3.80E-07	8.57E-09	4.91E-08	5.86E-09	6.35E-08	7.79E-09	2.57E-08	1.77E-09	3.53E-08
136	470129.34	3819146.42	8.61E-08	3.62E-07	3.26E-08	4.80E-07	7.18E-08	2.66E-07	2.34E-08	3.61E-07	8.13E-09	4.66E-08	5.56E-09	6.03E-08	7.40E-09	2.44E-08	1.68E-09	3.35E-08
137	470119.78	3819146.28	8.10E-08	3.40E-07	3.06E-08	4.52E-07	6.75E-08	2.50E-07	2.20E-08	3.40E-07	7.65E-09	4.38E-08	5.23E-09	5.67E-08	6.96E-09	2.29E-08	1.58E-09	3.15E-08
138	470110.22	3819146.15	7.57E-08	3.18E-07	2.86E-08	4.22E-07	6.30E-08	2.33E-07	2.05E-08	3.17E-07	7.15E-09	4.09E-08	4.88E-09	5.29E-08	6.50E-09	2.14E-08	1.48E-09	2.94E-08
139	470317.53	3819153.62	5.47E-08	2.30E-07	2.07E-08	3.05E-07	4.55E-08	1.69E-07	1.48E-08	2.29E-07	5.16E-09	2.96E-08	3.53E-09	3.83E-08	4.69E-09	1.55E-08	1.07E-09	2.12E-08
140	470326.29	3819157.38	5.28E-08	2.22E-07	2.00E-08	2.94E-07	4.40E-08	1.63E-07	1.43E-08	2.21E-07	4.98E-09	2.85E-08	3.40E-09	3.69E-08	4.53E-09	1.49E-08	1.03E-09	2.05E-08
141	470335.05	3819161.14	5.10E-08	2.14E-07	1.93E-08	2.85E-07	4.25E-08	1.58E-07	1.39E-08	2.14E-07	4.82E-09	2.76E-08	3.29E-09	3.57E-08	4.38E-09	1.44E-08	9.96E-10	1.98E-08
142	470343.82	3819164.91	4.95E-08	2.08E-07	1.87E-08	2.76E-07	4.12E-08	1.53E-07	1.34E-08	2.07E-07	4.67E-09	2.67E-08	3.19E-09	3.46E-08	4.25E-09	1.40E-08	9.65E-10	1.92E-08
143	470356.14	3819177.51	5.13E-08	2.16E-07	1.94E-08	2.86E-07	4.28E-08	1.58E-07	1.39E-08	2.15E-07	4.85E-09	2.78E-08	3.31E-09	3.59E-08	4.41E-09	1.45E-08	1.00E-09	1.99E-08
144	470359.7	3819186.36	5.50E-08	2.31E-07	2.08E-08	3.07E-07	4.58E-08	1.70E-07	1.49E-08	2.30E-07	5.19E-09	2.97E-08	3.55E-09	3.85E-08	4.72E-09	1.56E-08	1.07E-09	2.14E-08
145	470363.26	3819195.2	5.90E-08	2.48E-07	2.23E-08	3.29E-07	4.91E-08	1.82E-07	1.60E-08	2.47E-07	5.57E-09	3.19E-08	3.80E-09	4.13E-08	5.06E-09	1.67E-08	1.15E-09	2.29E-08
146	470366.82	3819204.05	6.33E-08	2.66E-07	2.39E-08	3.53E-07	5.27E-08	1.95E-07	1.72E-08	2.65E-07	5.98E-09	3.42E-08	4.08E-09	4.43E-08	5.43E-09	1.79E-08	1.23E-09	2.46E-08
147	470370.38	3819212.89	6.78E-08	2.85E-07	2.57E-08	3.78E-07	5.65E-08	2.09E-07	1.84E-08	2.84E-07	6.40E-09	3.67E-08	4.37E-09	4.74E-08	5.82E-09	1.92E-08	1.32E-09	2.63E-08
148	470272.92	3819138.44	6.63E-08	2.78E-07	2.51E-08	3.70E-07	5.52E-08	2.05E-07	1.80E-08	2.78E-07	6.26E-09	3.58E-08	4.27E-09	4.64E-08	5.69E-09	1.88E-08	1.29E-09	2.57E-08
149	470263.36	3819138.31	7.08E-08	2.97E-07	2.68E-08	3.95E-07	5.89E-08	2.18E-07	1.92E-08	2.97E-07	6.68E-09	3.83E-08	4.56E-09	4.95E-08	6.08E-09	2.00E-08	1.38E-09	2.75E-08

150	470253.79	3819138.17	7.51E-08	3.15E-07	2.84E-08	4.19E-07	6.26E-08	2.32E-07	2.04E-08	3.15E-07	7.09E-09	4.06E-08	4.84E-09	5.25E-08	6.45E-09	2.13E-08	1.47E-09	2.92E-08
151	470244.23	3819138.04	7.92E-08	3.32E-07	2.99E-08	4.41E-07	6.59E-08	2.44E-07	2.15E-08	3.32E-07	7.47E-09	4.28E-08	5.11E-09	5.54E-08	6.80E-09	2.24E-08	1.54E-09	3.07E-08
152	470234.67	3819137.9	8.28E-08	3.48E-07	3.13E-08	4.62E-07	6.90E-08	2.55E-07	2.25E-08	3.47E-07	7.82E-09	4.48E-08	5.34E-09	5.79E-08	7.11E-09	2.34E-08	1.62E-09	3.22E-08
153	470225.11	3819137.77	8.57E-08	3.60E-07	3.24E-08	4.78E-07	7.14E-08	2.65E-07	2.33E-08	3.59E-07	8.10E-09	4.64E-08	5.53E-09	6.00E-08	7.36E-09	2.43E-08	1.67E-09	3.33E-08
154	470215.55	3819137.63	8.80E-08	3.69E-07	3.33E-08	4.91E-07	7.33E-08	2.71E-07	2.39E-08	3.69E-07	8.31E-09	4.75E-08	5.67E-09	6.15E-08	7.55E-09	2.49E-08	1.72E-09	3.42E-08
155	470205.98	3819137.5	8.95E-08	3.76E-07	3.39E-08	4.99E-07	7.46E-08	2.76E-07	2.43E-08	3.75E-07	8.45E-09	4.84E-08	5.77E-09	6.26E-08	7.68E-09	2.53E-08	1.75E-09	3.48E-08
156	470196.42	3819137.36	9.05E-08	3.80E-07	3.42E-08	5.05E-07	7.54E-08	2.79E-07	2.46E-08	3.79E-07	8.54E-09	4.89E-08	5.84E-09	6.33E-08	7.77E-09	2.56E-08	1.77E-09	3.51E-08
157	470186.86	3819137.23	9.08E-08	3.82E-07	3.44E-08	5.07E-07	7.57E-08	2.80E-07	2.47E-08	3.81E-07	8.58E-09	4.91E-08	5.86E-09	6.36E-08	7.80E-09	2.57E-08	1.77E-09	3.53E-08
158	470158.17	3819136.82	8.73E-08	3.67E-07	3.30E-08	4.87E-07	7.27E-08	2.69E-07	2.37E-08	3.66E-07	8.25E-09	4.72E-08	5.63E-09	6.11E-08	7.50E-09	2.47E-08	1.70E-09	3.39E-08
159	470148.61	3819136.69	8.47E-08	3.56E-07	3.20E-08	4.72E-07	7.06E-08	2.61E-07	2.30E-08	3.55E-07	8.00E-09	4.58E-08	5.46E-09	5.93E-08	7.27E-09	2.40E-08	1.65E-09	3.29E-08
160	470139.05	3819136.55	8.14E-08	3.42E-07	3.08E-08	4.54E-07	6.78E-08	2.51E-07	2.21E-08	3.41E-07	7.69E-09	4.40E-08	5.25E-09	5.70E-08	6.99E-09	2.31E-08	1.59E-09	3.16E-08
161	470129.49	3819136.42	7.77E-08	3.26E-07	2.94E-08	4.33E-07	6.47E-08	2.40E-07	2.11E-08	3.25E-07	7.33E-09	4.20E-08	5.01E-09	5.43E-08	6.67E-09	2.20E-08	1.52E-09	3.02E-08
162	470119.92	3819136.28	7.35E-08	3.09E-07	2.78E-08	4.10E-07	6.12E-08	2.27E-07	1.99E-08	3.08E-07	6.94E-09	3.97E-08	4.74E-09	5.14E-08	6.31E-09	2.08E-08	1.43E-09	2.85E-08
163	470110.36	3819136.15	6.90E-08	2.90E-07	2.61E-08	3.85E-07	5.75E-08	2.13E-07	1.87E-08	2.89E-07	6.52E-09	3.73E-08	4.45E-09	4.83E-08	5.93E-09	1.95E-08	1.35E-09	2.68E-08
164	470316.41	3819133.02	4.54E-08	1.91E-07	1.72E-08	2.53E-07	3.78E-08	1.40E-07	1.23E-08	1.90E-07	4.29E-09	2.46E-08	2.93E-09	3.18E-08	3.90E-09	1.29E-08	8.86E-10	1.76E-08
165	470324.82	3819136.63	4.39E-08	1.85E-07	1.66E-08	2.45E-07	3.66E-08	1.36E-07	1.19E-08	1.84E-07	4.15E-09	2.38E-08	2.83E-09	3.07E-08	3.77E-09	1.24E-08	8.57E-10	1.71E-08
166	470333.23	3819140.24	4.25E-08	1.79E-07	1.61E-08	2.37E-07	3.54E-08	1.31E-07	1.15E-08	1.78E-07	4.02E-09	2.30E-08	2.74E-09	2.97E-08	3.65E-09	1.20E-08	8.30E-10	1.65E-08
167	470341.65	3819143.85	4.12E-08	1.73E-07	1.56E-08	2.30E-07	3.43E-08	1.27E-07	1.12E-08	1.73E-07	3.89E-09	2.23E-08	2.66E-09	2.88E-08	3.54E-09	1.17E-08	8.04E-10	1.60E-08
168	470350.06	3819147.46	4.00E-08	1.68E-07	1.51E-08	2.23E-07	3.33E-08	1.23E-07	1.09E-08	1.68E-07	3.78E-09	2.16E-08	2.58E-09	2.80E-08	3.43E-09	1.13E-08	7.81E-10	1.55E-08
169	470358.47	3819151.07	3.90E-08	1.64E-07	1.47E-08	2.17E-07	3.24E-08	1.20E-07	1.06E-08	1.63E-07	3.68E-09	2.11E-08	2.51E-09	2.72E-08	3.34E-09	1.10E-08	7.60E-10	1.51E-08
170	470370.3	3819163.18	4.02E-08	1.69E-07	1.52E-08	2.24E-07	3.35E-08	1.24E-07	1.09E-08	1.69E-07	3.80E-09	2.18E-08	2.60E-09	2.81E-08	3.45E-09	1.14E-08	7.85E-10	1.56E-08
171	470373.72	3819171.67	4.27E-08	1.79E-07	1.61E-08	2.38E-07	3.56E-08	1.32E-07	1.16E-08	1.79E-07	4.03E-09	2.31E-08	2.75E-09	2.99E-08	3.67E-09	1.21E-08	8.33E-10	1.66E-08
172	470377.14	3819180.16	4.54E-08	1.91E-07	1.72E-08	2.53E-07	3.78E-08	1.40E-07	1.23E-08	1.90E-07	4.29E-09	2.45E-08	2.93E-09	3.18E-08	3.90E-09	1.29E-08	8.86E-10	1.76E-08
173	470380.55	3819188.65	4.84E-08	2.03E-07	1.83E-08	2.70E-07	4.03E-08	1.49E-07	1.31E-08	2.03E-07	4.57E-09	2.61E-08	3.12E-09	3.38E-08	4.15E-09	1.37E-08	9.44E-10	1.88E-08
174	470383.97	3819197.14	5.15E-08	2.16E-07	1.95E-08	2.87E-07	4.29E-08	1.59E-07	1.40E-08	2.16E-07	4.87E-09	2.79E-08	3.32E-09	3.61E-08	4.42E-09	1.46E-08	1.01E-09	2.00E-08
175	470387.39	3819205.63	5.49E-08	2.30E-07	2.08E-08	3.06E-07	4.57E-08	1.69E-07	1.49E-08	2.30E-07	5.18E-09	2.97E-08	3.54E-09	3.84E-08	4.71E-09	1.55E-08	1.07E-09	2.13E-08
176	470273.2	3819118.45	5.41E-08	2.27E-07	2.05E-08	3.02E-07	4.51E-08	1.67E-07	1.47E-08	2.27E-07	5.11E-09	2.92E-08	3.49E-09	3.78E-08	4.64E-09	1.53E-08	1.06E-09	2.10E-08
177	470263.64	3819118.31	5.74E-08	2.41E-07	2.17E-08	3.20E-07	4.78E-08	1.77E-07	1.56E-08	2.40E-07	5.42E-09	3.10E-08	3.70E-09	4.01E-08	4.93E-09	1.62E-08	1.12E-09	2.23E-08
178	470254.08	3819118.18	6.06E-08	2.54E-07	2.29E-08	3.38E-07	5.05E-08	1.87E-07	1.64E-08	2.54E-07	5.72E-09	3.28E-08	3.91E-09	4.24E-08	5.20E-09	1.71E-08	1.18E-09	2.35E-08
179	470244.52	3819118.04	6.36E-08	2.67E-07	2.40E-08	3.55E-07	5.29E-08	1.96E-07	1.73E-08	2.66E-07	6.00E-09	3.44E-08	4.10E-09	4.45E-08	5.46E-09	1.80E-08	1.24E-09	2.47E-08
180	470234.95	3819117.91	6.63E-08	2.78E-07	2.51E-08	3.70E-07	5.52E-08	2.04E-07	1.80E-08	2.78E-07	6.26E-09	3.58E-08	4.27E-09	4.64E-08	5.69E-09	1.88E-08	1.29E-09	2.57E-08
181	470225.39	3819117.77	6.85E-08	2.88E-07	2.59E-08	3.82E-07	5.70E-08	2.11E-07	1.86E-08	2.87E-07	6.47E-09	3.70E-08	4.42E-09	4.79E-08	5.88E-09	1.94E-08	1.34E-09	2.66E-08
182	470215.83	3819117.64	7.02E-08	2.95E-07	2.65E-08	3.92E-07	5.85E-08	2.17E-07	1.91E-08	2.94E-07	6.63E-09	3.79E-08	4.53E-09	4.91E-08	6.03E-09	1.99E-08	1.37E-09	2.73E-08
183	470206.27	3819117.5	7.14E-08	3.00E-07	2.70E-08	3.98E-07	5.95E-08	2.20E-07	1.94E-08	2.99E-07	6.75E-09	3.86E-08	4.61E-09	5.00E-08	6.13E-09	2.02E-08	1.39E-09	2.77E-08
184	470196.7	3819117.37	7.22E-08	3.03E-07	2.73E-08	4.03E-07	6.02E-08	2.23E-07	1.96E-08	3.03E-07	6.82E-09	3.91E-08	4.66E-09	5.05E-08	6.20E-09	2.05E-08	1.41E-09	2.81E-08
185	470187.14	3819117.23	7.26E-08	3.05E-07	2.75E-08	4.05E-07	6.05E-08	2.24E-07	1.97E-08	3.04E-07	6.86E-09	3.93E-08	4.69E-09	5.08E-08	6.24E-09	2.06E-08	1.42E-09	2.82E-08
186	470158.46	3819116.83	7.06E-08	2.96E-07	2.67E-08	3.94E-07	5.88E-08	2.18E-07	1.92E-08	2.96E-07	6.66E-09	3.81E-08	4.55E-09	4.94E-08	6.06E-09	2.00E-08	1.38E-09	2.74E-08
187	470148.89	3819116.69	6.88E-08	2.89E-07	2.60E-08	3.84E-07	5.73E-08	2.12E-07	1.87E-08	2.88E-07	6.50E-09	3.72E-08	4.44E-09	4.81E-08	5.91E-09	1.95E-08	1.34E-09	2.67E-08
188	470139.33	3819116.56	6.66E-08	2.80E-07	2.52E-08	3.72E-07	5.55E-08	2.06E-07	1.81E-08	2.79E-07	6.29E-09	3.60E-08	4.30E-09	4.66E-08	5.72E-09	1.89E-08	1.30E-09	2.59E-08
189	470129.77	3819116.42	6.41E-08	2.69E-07	2.42E-08	3.57E-07	5.34E-08	1.98E-07	1.74E-08	2.68E-07	6.05E-09	3.46E-08	4.13E-09	4.48E-08	5.50E-09	1.81E-08	1.25E-09	2.49E-08
190	470120.21	3819116.29	6.12E-08	2.57E-07	2.31E-08	3.41E-07	5.10E-08	1.89E-07	1.66E-08	2.56E-07	5.78E-09	3.31E-08	3.95E-09	4.28E-08	5.25E-09	1.73E-08	1.19E-09	2.38E-08
191	470110.64	3819116.15	5.81E-08	2.44E-07	2.20E-08	3.24E-07	4.84E-08	1.79E-07	1.58E-08	2.43E-07	5.48E-09	3.14E-08	3.75E-09	4.06E-08	4.99E-09	1.64E-08	1.13E-09	2.26E-08
192	470323.94	3819116.13	3.72E-08	1.56E-07	1.41E-08	2.08E-07	3.10E-08	1.15E-07	1.01E-08	1.56E-07	3.51E-09	2.01E-08	2.40E-09	2.60E-08	3.19E-09	1.05E-08	7.26E-10	1.45E-08
193	470340.29	3819123.15	3.50E-08	1.47E-07	1.32E-08	1.95E-07	2.92E-08	1.08E-07	9.50E-09	1.47E-07	3.31E-09	1.89E-08	2.26E-09	2.45E-08	3.01E-09	9.91E-09	6.83E-10	1.36E-08
194	470356.65	3819130.17	3.30E-08	1.39E-07	1.25E-08	1.84E-07	2.75E-08	1.02E-07	8.97E-09	1.38E-07	3.12E-09	1.79E-08	2.13E-09	2.31E-08	2.84E-09	9.35E-09	6.45E-10	1.28E-08
195	470373	3819137.19	3.14E-08	1.32E-07	1.19E-08	1.75E-07	2.62E-08	9.69E-08	8.53E-09	1.32E-07	2.97E-09	1.70E-08	2.03E-09	2.20E-08	2.70E-09	8.89E-09	6.13E-10	1.22E-08
196	470384.51	3819148.96	3.23E-08	1.36E-07	1.22E-08	1.80E-07	2.69E-08	9.98E-08	8.78E-09	1.35E-07	3.05E-09	1.75E-08	2.09E-09	2.26E-08	2.78E-09	9.15E-09	6.31E-10	1.26E-08
197	470391.15	3819165.47	3.60E-08	1.51E-07	1.36E-08	2.01E-07	3.00E-08	1.11E-07	9.78E-09	1.51E-07	3.40E-09	1.95E-08	2.32E-09	2.52E-08	3.09E-09	1.02E-08	7.03E-10	1.40E-08
198	470397.8	3819181.98	4.04E-08	1.70E-07	1.53E-08	2.25E-07	3.37E-08	1.25E-07	1.10E-08	1.69E-07	3.82E-09	2.18E-08	2.61E-09	2.83E-08	3.47E-09	1.14E-08	7.88E-10	1.57E-08
199	470404.45	3819198.49	4.54E-08	1.91E-07	1.72E-08	2.53E-07	3.78E-08	1.40E-07	1.23E-08	1.90E-07	4.29E-09	2.45E-08	2.93E-09	3.18E-08	3.90E-09	1.29E-08	8.86E-10	1.76E-08
200	470411.09	3819215	5.08E-08	2.13E-07	1.92E-08	2.83E-07	4.23E-08	1.57E-07	1.38E-08	2.13E-07	4.80E-09	2.75E-08	3.28E-09	3.55E-08	4.36E-09	1.44E-08	9.91E-10	1.97E-08

201	470273.48	3819098.45	4.51E-08	1.90E-07	1.71E-08	2.52E-07	3.76E-08	1.39E-07	1.22E-08	1.89E-07	4.26E-09	2.44E-08	2.91E-09	3.16E-08	3.87E-09	1.28E-08	8.80E-10	1.75E-08
202	470263.92	3819098.31	4.76E-08	2.00E-07	1.80E-08	2.66E-07	3.97E-08	1.47E-07	1.29E-08	2.00E-07	4.50E-09	2.57E-08	3.07E-09	3.33E-08	4.09E-09	1.35E-08	9.29E-10	1.85E-08
203	470254.36	3819098.18	5.00E-08	2.10E-07	1.89E-08	2.79E-07	4.17E-08	1.54E-07	1.36E-08	2.10E-07	4.72E-09	2.70E-08	3.23E-09	3.50E-08	4.29E-09	1.42E-08	9.76E-10	1.94E-08
204	470244.8	3819098.04	5.22E-08	2.19E-07	1.98E-08	2.91E-07	4.35E-08	1.61E-07	1.42E-08	2.19E-07	4.93E-09	2.82E-08	3.37E-09	3.65E-08	4.48E-09	1.48E-08	1.02E-09	2.03E-08
205	470235.24	3819097.91	5.42E-08	2.28E-07	2.05E-08	3.03E-07	4.52E-08	1.67E-07	1.47E-08	2.27E-07	5.12E-09	2.93E-08	3.50E-09	3.79E-08	4.66E-09	1.54E-08	1.06E-09	2.11E-08
206	470225.67	3819097.77	5.59E-08	2.35E-07	2.12E-08	3.12E-07	4.66E-08	1.73E-07	1.52E-08	2.34E-07	5.28E-09	3.02E-08	3.61E-09	3.91E-08	4.80E-09	1.58E-08	1.09E-09	2.17E-08
207	470216.11	3819097.64	5.73E-08	2.41E-07	2.17E-08	3.20E-07	4.77E-08	1.77E-07	1.56E-08	2.40E-07	5.41E-09	3.10E-08	3.70E-09	4.01E-08	4.92E-09	1.62E-08	1.12E-09	2.23E-08
208	470206.55	3819097.5	5.84E-08	2.45E-07	2.21E-08	3.25E-07	4.86E-08	1.80E-07	1.58E-08	2.45E-07	5.51E-09	3.15E-08	3.76E-09	4.08E-08	5.01E-09	1.65E-08	1.14E-09	2.27E-08
209	470196.99	3819097.37	5.91E-08	2.48E-07	2.23E-08	3.29E-07	4.92E-08	1.82E-07	1.60E-08	2.47E-07	5.58E-09	3.19E-08	3.81E-09	4.13E-08	5.07E-09	1.67E-08	1.15E-09	2.29E-08
210	470187.42	3819097.23	5.94E-08	2.50E-07	2.25E-08	3.32E-07	4.95E-08	1.83E-07	1.61E-08	2.49E-07	5.61E-09	3.21E-08	3.83E-09	4.16E-08	5.10E-09	1.68E-08	1.16E-09	2.31E-08
211	470158.74	3819096.83	5.82E-08	2.44E-07	2.20E-08	3.25E-07	4.85E-08	1.80E-07	1.58E-08	2.44E-07	5.49E-09	3.15E-08	3.75E-09	4.07E-08	5.00E-09	1.65E-08	1.14E-09	2.26E-08
212	470149.18	3819096.69	5.70E-08	2.39E-07	2.16E-08	3.18E-07	4.75E-08	1.76E-07	1.55E-08	2.39E-07	5.38E-09	3.08E-08	3.68E-09	3.99E-08	4.89E-09	1.61E-08	1.11E-09	2.21E-08
213	470139.61	3819096.56	5.55E-08	2.33E-07	2.10E-08	3.10E-07	4.62E-08	1.71E-07	1.51E-08	2.33E-07	5.24E-09	3.00E-08	3.58E-09	3.88E-08	4.76E-09	1.57E-08	1.08E-09	2.16E-08
214	470130.05	3819096.42	5.37E-08	2.25E-07	2.03E-08	2.99E-07	4.47E-08	1.66E-07	1.46E-08	2.25E-07	5.07E-09	2.90E-08	3.46E-09	3.75E-08	4.61E-09	1.52E-08	1.05E-09	2.08E-08
215	470120.49	3819096.29	5.16E-08	2.17E-07	1.95E-08	2.88E-07	4.30E-08	1.59E-07	1.40E-08	2.16E-07	4.87E-09	2.79E-08	3.33E-09	3.61E-08	4.43E-09	1.46E-08	1.01E-09	2.00E-08
216	470110.93	3819096.15	4.93E-08	2.07E-07	1.87E-08	2.75E-07	4.11E-08	1.52E-07	1.34E-08	2.07E-07	4.66E-09	2.67E-08	3.18E-09	3.45E-08	4.23E-09	1.40E-08	9.62E-10	1.92E-08
217	470317.84	3819093.4	3.25E-08	1.36E-07	1.23E-08	1.81E-07	2.70E-08	1.00E-07	8.81E-09	1.36E-07	3.06E-09	1.75E-08	2.09E-09	2.27E-08	2.79E-09	9.19E-09	6.33E-10	1.26E-08
218	470326.47	3819097.1	3.15E-08	1.32E-07	1.19E-08	1.76E-07	2.63E-08	9.73E-08	8.56E-09	1.32E-07	2.98E-09	1.71E-08	2.03E-09	2.21E-08	2.71E-09	8.93E-09	6.16E-10	1.23E-08
219	470335.09	3819100.8	3.07E-08	1.29E-07	1.16E-08	1.71E-07	2.56E-08	9.48E-08	8.34E-09	1.29E-07	2.90E-09	1.66E-08	1.98E-09	2.15E-08	2.64E-09	8.70E-09	6.00E-10	1.19E-08
220	470343.72	3819104.51	2.98E-08	1.25E-07	1.13E-08	1.66E-07	2.48E-08	9.18E-08	8.08E-09	1.25E-07	2.81E-09	1.61E-08	1.92E-09	2.08E-08	2.55E-09	8.42E-09	5.81E-10	1.16E-08
221	470352.35	3819108.21	2.88E-08	1.21E-07	1.09E-08	1.61E-07	2.40E-08	8.90E-08	7.83E-09	1.21E-07	2.72E-09	1.56E-08	1.86E-09	2.02E-08	2.47E-09	8.16E-09	5.63E-10	1.12E-08
222	470360.97	3819111.91	2.80E-08	1.17E-07	1.06E-08	1.56E-07	2.33E-08	8.63E-08	7.59E-09	1.17E-07	2.64E-09	1.51E-08	1.80E-09	1.96E-08	2.40E-09	7.92E-09	5.46E-10	1.09E-08
223	470369.6	3819115.62	2.72E-08	1.14E-07	1.03E-08	1.52E-07	2.27E-08	8.39E-08	7.38E-09	1.14E-07	2.57E-09	1.47E-08	1.75E-09	1.90E-08	2.33E-09	7.70E-09	5.31E-10	1.06E-08
224	470378.23	3819119.32	2.65E-08	1.11E-07	1.00E-08	1.48E-07	2.21E-08	8.18E-08	7.19E-09	1.11E-07	2.50E-09	1.43E-08	1.71E-09	1.85E-08	2.27E-09	7.50E-09	5.17E-10	1.03E-08
225	470386.86	3819123.02	2.59E-08	1.09E-07	9.79E-09	1.44E-07	2.16E-08	7.99E-08	7.03E-09	1.08E-07	2.44E-09	1.40E-08	1.67E-09	1.81E-08	2.22E-09	7.33E-09	5.05E-10	1.01E-08
226	470398.99	3819135.43	2.66E-08	1.12E-07	1.01E-08	1.48E-07	2.22E-08	8.21E-08	7.23E-09	1.12E-07	2.51E-09	1.44E-08	1.72E-09	1.86E-08	2.29E-09	7.53E-09	5.19E-10	1.03E-08
227	470402.5	3819144.14	2.80E-08	1.18E-07	1.06E-08	1.56E-07	2.33E-08	8.65E-08	7.61E-09	1.17E-07	2.65E-09	1.51E-08	1.81E-09	1.96E-08	2.41E-09	7.93E-09	5.47E-10	1.09E-08
228	470406	3819152.85	2.96E-08	1.24E-07	1.12E-08	1.65E-07	2.46E-08	9.13E-08	8.03E-09	1.24E-07	2.79E-09	1.60E-08	1.91E-09	2.07E-08	2.54E-09	8.37E-09	5.77E-10	1.15E-08
229	470409.51	3819161.56	3.13E-08	1.31E-07	1.18E-08	1.74E-07	2.61E-08	9.65E-08	8.49E-09	1.31E-07	2.95E-09	1.69E-08	2.02E-09	2.19E-08	2.69E-09	8.86E-09	6.10E-10	1.22E-08
230	470413.01	3819170.27	3.31E-08	1.39E-07	1.25E-08	1.85E-07	2.76E-08	1.02E-07	9.00E-09	1.39E-07	3.13E-09	1.79E-08	2.14E-09	2.32E-08	2.85E-09	9.38E-09	6.47E-10	1.29E-08
231	470416.52	3819178.98	3.52E-08	1.48E-07	1.33E-08	1.96E-07	2.93E-08	1.08E-07	9.54E-09	1.47E-07	3.32E-09	1.90E-08	2.27E-09	2.46E-08	3.02E-09	9.95E-09	6.86E-10	1.37E-08
232	470420.03	3819187.69	3.73E-08	1.57E-07	1.41E-08	2.08E-07	3.11E-08	1.15E-07	1.01E-08	1.56E-07	3.52E-09	2.02E-08	2.41E-09	2.61E-08	3.20E-09	1.06E-08	7.28E-10	1.45E-08
233	470423.53	3819196.4	3.95E-08	1.66E-07	1.50E-08	2.21E-07	3.29E-08	1.22E-07	1.07E-08	1.66E-07	3.73E-09	2.14E-08	2.55E-09	2.77E-08	3.39E-09	1.12E-08	7.72E-10	1.54E-08
234	470427.04	3819205.11	4.19E-08	1.76E-07	1.58E-08	2.33E-07	3.49E-08	1.29E-07	1.14E-08	1.75E-07	3.95E-09	2.26E-08	2.70E-09	2.93E-08	3.59E-09	1.18E-08	8.17E-10	1.63E-08
235	470430.55	3819213.81	4.42E-08	1.86E-07	1.67E-08	2.46E-07	3.68E-08	1.36E-07	1.20E-08	1.85E-07	4.17E-09	2.39E-08	2.85E-09	3.09E-08	3.79E-09	1.25E-08	8.62E-10	1.72E-08
236	470273.77	3819078.45	3.83E-08	1.61E-07	1.45E-08	2.14E-07	3.19E-08	1.18E-07	1.04E-08	1.60E-07	3.62E-09	2.07E-08	2.47E-09	2.68E-08	3.29E-09	1.08E-08	7.47E-10	1.49E-08
237	470264.2	3819078.32	4.02E-08	1.69E-07	1.52E-08	2.24E-07	3.35E-08	1.24E-07	1.09E-08	1.69E-07	3.80E-09	2.18E-08	2.60E-09	2.81E-08	3.45E-09	1.14E-08	7.85E-10	1.56E-08
238	470254.64	3819078.18	4.20E-08	1.77E-07	1.59E-08	2.34E-07	3.50E-08	1.30E-07	1.14E-08	1.76E-07	3.97E-09	2.27E-08	2.71E-09	2.94E-08	3.61E-09	1.19E-08	8.20E-10	1.63E-08
239	470245.08	3819078.05	4.37E-08	1.83E-07	1.65E-08	2.44E-07	3.64E-08	1.35E-07	1.19E-08	1.83E-07	4.12E-09	2.36E-08	2.82E-09	3.05E-08	3.75E-09	1.24E-08	8.52E-10	1.70E-08
240	470235.52	3819077.91	4.51E-08	1.90E-07	1.71E-08	2.52E-07	3.76E-08	1.39E-07	1.23E-08	1.89E-07	4.26E-09	2.44E-08	2.91E-09	3.16E-08	3.88E-09	1.28E-08	8.81E-10	1.75E-08
241	470225.96	3819077.78	4.65E-08	1.95E-07	1.76E-08	2.59E-07	3.87E-08	1.43E-07	1.26E-08	1.95E-07	4.39E-09	2.51E-08	3.00E-09	3.25E-08	3.99E-09	1.32E-08	9.07E-10	1.81E-08
242	470216.39	3819077.64	4.76E-08	2.00E-07	1.80E-08	2.66E-07	3.97E-08	1.47E-07	1.29E-08	2.00E-07	4.50E-09	2.58E-08	3.07E-09	3.33E-08	4.09E-09	1.35E-08	9.30E-10	1.85E-08
243	470206.83	3819077.51	4.86E-08	2.04E-07	1.84E-08	2.71E-07	4.04E-08	1.50E-07	1.32E-08	2.03E-07	4.59E-09	2.63E-08	3.13E-09	3.40E-08	4.17E-09	1.37E-08	9.47E-10	1.89E-08
244	470197.27	3819077.37	4.92E-08	2.07E-07	1.86E-08	2.74E-07	4.10E-08	1.52E-07	1.34E-08	2.06E-07	4.65E-09	2.66E-08	3.17E-09	3.44E-08	4.22E-09	1.39E-08	9.60E-10	1.91E-08
245	470187.71	3819077.24	4.95E-08	2.08E-07	1.87E-08	2.76E-07	4.13E-08	1.53E-07	1.34E-08	2.08E-07	4.68E-09	2.68E-08	3.20E-09	3.47E-08	4.25E-09	1.40E-08	9.67E-10	1.92E-08
246	470159.02	3819076.83	4.88E-08	2.05E-07	1.85E-08	2.72E-07	4.06E-08	1.51E-07	1.32E-08	2.04E-07	4.61E-09	2.64E-08	3.15E-09	3.41E-08	4.19E-09	1.38E-08	9.52E-10	1.90E-08
247	470149.46	3819076.7	4.80E-08	2.02E-07	1.81E-08	2.68E-07	4.00E-08	1.48E-07	1.30E-08	2.01E-07	4.53E-09	2.59E-08	3.10E-09	3.36E-08	4.12E-09	1.36E-08	9.36E-10	1.86E-08
248	470139.9	3819076.56	4.69E-08	1.97E-07	1.77E-08	2.62E-07	3.91E-08	1.45E-07	1.27E-08	1.97E-07	4.43E-09	2.54E-08	3.03E-09	3.28E-08	4.03E-09	1.33E-08	9.15E-10	1.82E-08
249	470130.33	3819076.43	4.55E-08	1.91E-07	1.72E-08	2.54E-07	3.79E-08	1.41E-07	1.24E-08	1.91E-07	4.30E-09	2.46E-08	2.94E-09	3.19E-08	3.91E-09	1.29E-08	8.88E-10	1.77E-08
250	470120.77	3819076.29	4.40E-08	1.85E-07	1.66E-08	2.45E-07	3.66E-08	1.36E-07	1.19E-08	1.84E-07	4.15E-09	2.38E-08	2.84E-09	3.08E-08	3.77E-09	1.24E-08	8.58E-10	1.71E-08
251	470111.21	3819076.16	4.23E-08	1.77E-07	1.60E-08	2.36E-07	3.52E-08	1.30E-07	1.15E-08	1.77E-07	3.99E-09	2.28E-08	2.73E-09	2.96E-08	3.63E-09	1.20E-08	8.24E-10	1.64E-08

252	470317.26	3819073.03	2.83E-08	1.19E-07	1.07E-08	1.58E-07	2.36E-08	8.74E-08	7.69E-09	1.19E-07	2.68E-09	1.53E-08	1.83E-09	1.98E-08	2.43E-09	8.02E-09	5.53E-10	1.10E-08
253	470325.67	3819076.64	2.76E-08	1.16E-07	1.04E-08	1.54E-07	2.30E-08	8.51E-08	7.49E-09	1.16E-07	2.60E-09	1.49E-08	1.78E-09	1.93E-08	2.37E-09	7.81E-09	5.38E-10	1.07E-08
254	470334.08	3819080.25	2.69E-08	1.13E-07	1.02E-08	1.50E-07	2.24E-08	8.30E-08	7.30E-09	1.13E-07	2.54E-09	1.45E-08	1.73E-09	1.88E-08	2.31E-09	7.61E-09	5.25E-10	1.04E-08
255	470342.49	3819083.86	2.61E-08	1.10E-07	9.87E-09	1.46E-07	2.17E-08	8.05E-08	7.08E-09	1.09E-07	2.46E-09	1.41E-08	1.68E-09	1.83E-08	2.24E-09	7.39E-09	5.09E-10	1.01E-08
256	470350.9	3819087.47	2.53E-08	1.06E-07	9.57E-09	1.41E-07	2.11E-08	7.81E-08	6.87E-09	1.06E-07	2.39E-09	1.37E-08	1.63E-09	1.77E-08	2.17E-09	7.16E-09	4.94E-10	9.83E-09
257	470359.32	3819091.08	2.46E-08	1.03E-07	9.28E-09	1.37E-07	2.04E-08	7.58E-08	6.66E-09	1.03E-07	2.32E-09	1.33E-08	1.58E-09	1.72E-08	2.11E-09	6.95E-09	4.79E-10	9.54E-09
258	470367.73	3819094.69	2.38E-08	1.00E-07	9.02E-09	1.33E-07	1.99E-08	7.36E-08	6.47E-09	9.99E-08	2.25E-09	1.29E-08	1.54E-09	1.67E-08	2.05E-09	6.75E-09	4.65E-10	9.26E-09
259	470376.14	3819098.3	2.32E-08	9.74E-08	8.77E-09	1.29E-07	1.93E-08	7.16E-08	6.30E-09	9.72E-08	2.19E-09	1.25E-08	1.50E-09	1.62E-08	1.99E-09	6.57E-09	4.53E-10	9.01E-09
260	470384.55	3819101.91	2.26E-08	9.50E-08	8.56E-09	1.26E-07	1.88E-08	6.98E-08	6.14E-09	9.48E-08	2.14E-09	1.22E-08	1.46E-09	1.58E-08	1.94E-09	6.40E-09	4.41E-10	8.79E-09
261	470392.96	3819105.52	2.21E-08	9.29E-08	8.36E-09	1.23E-07	1.84E-08	6.82E-08	6.00E-09	9.27E-08	2.09E-09	1.20E-08	1.43E-09	1.55E-08	1.90E-09	6.26E-09	4.31E-10	8.59E-09
262	470401.37	3819109.13	2.17E-08	9.10E-08	8.19E-09	1.21E-07	1.80E-08	6.68E-08	5.88E-09	9.08E-08	2.05E-09	1.17E-08	1.40E-09	1.52E-08	1.86E-09	6.13E-09	4.23E-10	8.41E-09
263	470413.2	3819121.23	2.22E-08	9.32E-08	8.39E-09	1.24E-07	1.85E-08	6.85E-08	6.03E-09	9.30E-08	2.10E-09	1.20E-08	1.43E-09	1.55E-08	1.91E-09	6.28E-09	4.33E-10	8.62E-09
264	470416.62	3819129.73	2.32E-08	9.76E-08	8.79E-09	1.30E-07	1.94E-08	7.17E-08	6.31E-09	9.74E-08	2.19E-09	1.26E-08	1.50E-09	1.63E-08	1.99E-09	6.58E-09	4.53E-10	9.03E-09
265	470420.04	3819138.22	2.44E-08	1.02E-07	9.22E-09	1.36E-07	2.03E-08	7.53E-08	6.62E-09	1.02E-07	2.30E-09	1.32E-08	1.57E-09	1.71E-08	2.09E-09	6.90E-09	4.76E-10	9.47E-09
266	470423.46	3819146.71	2.57E-08	1.08E-07	9.70E-09	1.43E-07	2.14E-08	7.92E-08	6.97E-09	1.08E-07	2.42E-09	1.39E-08	1.66E-09	1.80E-08	2.20E-09	7.26E-09	5.01E-10	9.97E-09
267	470426.88	3819155.2	2.71E-08	1.14E-07	1.02E-08	1.51E-07	2.25E-08	8.35E-08	7.34E-09	1.13E-07	2.55E-09	1.46E-08	1.74E-09	1.89E-08	2.32E-09	7.66E-09	5.28E-10	1.05E-08
268	470430.3	3819163.69	2.86E-08	1.20E-07	1.08E-08	1.59E-07	2.38E-08	8.81E-08	7.75E-09	1.20E-07	2.70E-09	1.54E-08	1.84E-09	2.00E-08	2.45E-09	8.08E-09	5.57E-10	1.11E-08
269	470433.71	3819172.18	3.02E-08	1.27E-07	1.14E-08	1.68E-07	2.51E-08	9.31E-08	8.19E-09	1.26E-07	2.85E-09	1.63E-08	1.95E-09	2.11E-08	2.59E-09	8.54E-09	5.89E-10	1.17E-08
270	470437.13	3819180.67	3.19E-08	1.34E-07	1.21E-08	1.78E-07	2.66E-08	9.84E-08	8.66E-09	1.34E-07	3.01E-09	1.72E-08	2.06E-09	2.23E-08	2.74E-09	9.03E-09	6.22E-10	1.24E-08
271	470440.55	3819189.17	3.37E-08	1.42E-07	1.27E-08	1.88E-07	2.81E-08	1.04E-07	9.15E-09	1.41E-07	3.18E-09	1.82E-08	2.17E-09	2.36E-08	2.89E-09	9.54E-09	6.58E-10	1.31E-08
272	470443.97	3819197.66	3.55E-08	1.49E-07	1.34E-08	1.98E-07	2.96E-08	1.10E-07	9.65E-09	1.49E-07	3.36E-09	1.92E-08	2.29E-09	2.49E-08	3.05E-09	1.01E-08	6.94E-10	1.38E-08
273	470447.39	3819206.15	3.74E-08	1.57E-07	1.42E-08	2.09E-07	3.12E-08	1.15E-07	1.02E-08	1.57E-07	3.53E-09	2.02E-08	2.41E-09	2.62E-08	3.21E-09	1.06E-08	7.30E-10	1.45E-08
274	470450.81	3819214.64	3.93E-08	1.65E-07	1.49E-08	2.19E-07	3.27E-08	1.21E-07	1.07E-08	1.65E-07	3.71E-09	2.13E-08	2.54E-09	2.75E-08	3.38E-09	1.11E-08	7.67E-10	1.53E-08
275	470274.05	3819058.45	3.28E-08	1.38E-07	1.24E-08	1.83E-07	2.73E-08	1.01E-07	8.91E-09	1.38E-07	3.10E-09	1.77E-08	2.12E-09	2.30E-08	2.82E-09	9.29E-09	6.40E-10	1.27E-08
276	470264.49	3819058.32	3.43E-08	1.44E-07	1.30E-08	1.91E-07	2.86E-08	1.06E-07	9.31E-09	1.44E-07	3.24E-09	1.85E-08	2.21E-09	2.40E-08	2.94E-09	9.71E-09	6.69E-10	1.33E-08
277	470254.92	3819058.18	3.57E-08	1.50E-07	1.35E-08	1.99E-07	2.98E-08	1.10E-07	9.70E-09	1.50E-07	3.37E-09	1.93E-08	2.30E-09	2.50E-08	3.07E-09	1.01E-08	6.97E-10	1.39E-08
278	470245.36	3819058.05	3.71E-08	1.56E-07	1.40E-08	2.07E-07	3.09E-08	1.14E-07	1.01E-08	1.55E-07	3.50E-09	2.00E-08	2.39E-09	2.59E-08	3.18E-09	1.05E-08	7.23E-10	1.44E-08
279	470235.8	3819057.91	3.83E-08	1.61E-07	1.45E-08	2.14E-07	3.19E-08	1.18E-07	1.04E-08	1.60E-07	3.62E-09	2.07E-08	2.47E-09	2.68E-08	3.29E-09	1.08E-08	7.47E-10	1.49E-08
280	470226.24	3819057.78	3.94E-08	1.65E-07	1.49E-08	2.20E-07	3.28E-08	1.22E-07	1.07E-08	1.65E-07	3.72E-09	2.13E-08	2.54E-09	2.76E-08	3.38E-09	1.12E-08	7.69E-10	1.53E-08
281	470216.68	3819057.64	4.03E-08	1.69E-07	1.53E-08	2.25E-07	3.36E-08	1.24E-07	1.09E-08	1.69E-07	3.81E-09	2.18E-08	2.60E-09	2.82E-08	3.46E-09	1.14E-08	7.87E-10	1.57E-08
282	470207.11	3819057.51	4.11E-08	1.73E-07	1.55E-08	2.29E-07	3.42E-08	1.27E-07	1.12E-08	1.72E-07	3.88E-09	2.22E-08	2.65E-09	2.87E-08	3.53E-09	1.16E-08	8.02E-10	1.60E-08
283	470197.55	3819057.37	4.16E-08	1.75E-07	1.57E-08	2.32E-07	3.47E-08	1.28E-07	1.13E-08	1.74E-07	3.93E-09	2.25E-08	2.68E-09	2.91E-08	3.57E-09	1.18E-08	8.12E-10	1.62E-08
284	470187.99	3819057.24	4.19E-08	1.76E-07	1.59E-08	2.34E-07	3.49E-08	1.29E-07	1.14E-08	1.76E-07	3.96E-09	2.27E-08	2.70E-09	2.93E-08	3.60E-09	1.19E-08	8.18E-10	1.63E-08
285	470159.3	3819056.83	4.15E-08	1.74E-07	1.57E-08	2.31E-07	3.46E-08	1.28E-07	1.13E-08	1.74E-07	3.92E-09	2.24E-08	2.68E-09	2.90E-08	3.56E-09	1.17E-08	8.10E-10	1.61E-08
286	470149.74	3819056.7	4.09E-08	1.72E-07	1.55E-08	2.28E-07	3.41E-08	1.26E-07	1.11E-08	1.71E-07	3.86E-09	2.21E-08	2.64E-09	2.86E-08	3.51E-09	1.16E-08	7.99E-10	1.59E-08
287	470140.18	3819056.56	4.02E-08	1.69E-07	1.52E-08	2.24E-07	3.34E-08	1.24E-07	1.09E-08	1.68E-07	3.79E-09	2.17E-08	2.59E-09	2.81E-08	3.45E-09	1.14E-08	7.83E-10	1.56E-08
288	470130.62	3819056.43	3.91E-08	1.64E-07	1.48E-08	2.18E-07	3.26E-08	1.21E-07	1.06E-08	1.64E-07	3.70E-09	2.12E-08	2.52E-09	2.74E-08	3.36E-09	1.11E-08	7.64E-10	1.52E-08
289	470121.05	3819056.29	3.80E-08	1.59E-07	1.44E-08	2.12E-07	3.16E-08	1.17E-07	1.03E-08	1.59E-07	3.58E-09	2.05E-08	2.45E-09	2.66E-08	3.26E-09	1.07E-08	7.41E-10	1.47E-08
290	470111.49	3819056.16	3.67E-08	1.54E-07	1.39E-08	2.05E-07	3.05E-08	1.13E-07	9.95E-09	1.54E-07	3.46E-09	1.98E-08	2.37E-09	2.57E-08	3.15E-09	1.04E-08	7.16E-10	1.42E-08
291	470318.94	3819053.63	2.48E-08	1.04E-07	9.37E-09	1.38E-07	2.06E-08	7.65E-08	6.73E-09	1.04E-07	2.34E-09	1.34E-08	1.60E-09	1.73E-08	2.13E-09	7.02E-09	4.84E-10	9.63E-09
292	470327.7	3819057.39	2.41E-08	1.01E-07	9.11E-09	1.34E-07	2.01E-08	7.44E-08	6.54E-09	1.01E-07	2.28E-09	1.30E-08	1.55E-09	1.69E-08	2.07E-09	6.82E-09	4.70E-10	9.36E-09
293	470336.47	3819061.15	2.34E-08	9.84E-08	8.86E-09	1.31E-07	1.95E-08	7.23E-08	6.36E-09	9.82E-08	2.21E-09	1.27E-08	1.51E-09	1.64E-08	2.01E-09	6.63E-09	4.57E-10	9.10E-09
294	470345.23	3819064.92	2.28E-08	9.58E-08	8.63E-09	1.27E-07	1.90E-08	7.04E-08	6.19E-09	9.56E-08	2.15E-09	1.23E-08	1.47E-09	1.60E-08	1.96E-09	6.46E-09	4.45E-10	8.86E-09
295	470353.99	3819068.68	2.21E-08	9.28E-08	8.36E-09	1.23E-07	1.84E-08	6.82E-08	6.00E-09	9.26E-08	2.09E-09	1.20E-08	1.43E-09	1.55E-08	1.90E-09	6.26E-09	4.31E-10	8.59E-09
296	470362.75	3819072.44	2.14E-08	9.00E-08	8.11E-09	1.20E-07	1.79E-08	6.61E-08	5.82E-09	8.98E-08	2.02E-09	1.16E-08	1.38E-09	1.50E-08	1.84E-09	6.07E-09	4.18E-10	8.32E-09
297	470371.51	3819076.2	2.08E-08	8.73E-08	7.86E-09	1.16E-07	1.73E-08	6.42E-08	5.65E-09	8.71E-08	1.96E-09	1.12E-08	1.34E-09	1.45E-08	1.79E-09	5.89E-09	4.06E-10	8.08E-09
298	470380.28	3819079.96	2.02E-08	8.48E-08	7.64E-09	1.13E-07	1.68E-08	6.23E-08	5.48E-09	8.46E-08	1.91E-09	1.09E-08	1.30E-09	1.41E-08	1.73E-09	5.72E-09	3.94E-10	7.85E-09
299	470389.04	3819083.72	1.97E-08	8.26E-08	7.44E-09	1.10E-07	1.64E-08	6.07E-08	5.34E-09	8.24E-08	1.86E-09	1.06E-08	1.27E-09	1.38E-08	1.69E-09	5.57E-09	3.84E-10	7.64E-09
300	470397.8	3819087.48	1.92E-08	8.05E-08	7.25E-09	1.07E-07	1.60E-08	5.92E-08	5.21E-09	8.04E-08	1.81E-09	1.04E-08	1.24E-09	1.34E-08	1.65E-09	5.43E-09	3.74E-10	7.45E-09
301	470406.56	3819091.24	1.87E-08	7.87E-08	7.09E-09	1.05E-07	1.56E-08	5.78E-08	5.09E-09	7.85E-08	1.77E-09	1.01E-08	1.21E-09	1.31E-08	1.61E-09	5.31E-09	3.66E-10	7.28E-09
302	470415.32	3819095	1.84E-08	7.71E-08	6.95E-09	1.02E-07	1.53E-08	5.67E-08	4.99E-09	7.70E-08	1.73E-09	9.93E-09	1.18E-09	1.28E-08	1.58E-09	5.20E-09	3.58E-10	7.13E-09

303	470427.65	3819107.61	1.88E-08	7.90E-08	7.11E-09	1.05E-07	1.57E-08	5.80E-08	5.10E-09	7.88E-08	1.78E-09	1.02E-08	1.21E-09	1.32E-08	1.61E-09	5.32E-09	3.67E-10	7.30E-09
304	470431.21	3819116.45	1.97E-08	8.26E-08	7.44E-09	1.10E-07	1.64E-08	6.07E-08	5.34E-09	8.24E-08	1.86E-09	1.06E-08	1.27E-09	1.38E-08	1.69E-09	5.56E-09	3.84E-10	7.64E-09
305	470434.77	3819125.3	2.06E-08	8.66E-08	7.79E-09	1.15E-07	1.72E-08	6.36E-08	5.60E-09	8.64E-08	1.95E-09	1.11E-08	1.33E-09	1.44E-08	1.77E-09	5.83E-09	4.02E-10	8.01E-09
306	470438.33	3819134.14	2.17E-08	9.10E-08	8.19E-09	1.21E-07	1.80E-08	6.68E-08	5.88E-09	9.08E-08	2.05E-09	1.17E-08	1.40E-09	1.52E-08	1.86E-09	6.13E-09	4.23E-10	8.41E-09
307	470441.89	3819142.99	2.28E-08	9.58E-08	8.63E-09	1.27E-07	1.90E-08	7.04E-08	6.19E-09	9.56E-08	2.15E-09	1.23E-08	1.47E-09	1.60E-08	1.96E-09	6.46E-09	4.45E-10	8.86E-09
308	470445.45	3819151.83	2.41E-08	1.01E-07	9.11E-09	1.34E-07	2.01E-08	7.43E-08	6.54E-09	1.01E-07	2.27E-09	1.30E-08	1.55E-09	1.68E-08	2.07E-09	6.82E-09	4.70E-10	9.35E-09
309	470449.01	3819160.68	2.54E-08	1.07E-07	9.62E-09	1.42E-07	2.12E-08	7.85E-08	6.91E-09	1.07E-07	2.40E-09	1.38E-08	1.64E-09	1.78E-08	2.18E-09	7.20E-09	4.96E-10	9.88E-09
310	470452.57	3819169.52	2.69E-08	1.13E-07	1.02E-08	1.50E-07	2.24E-08	8.30E-08	7.30E-09	1.13E-07	2.54E-09	1.45E-08	1.73E-09	1.88E-08	2.31E-09	7.61E-09	5.25E-10	1.04E-08
311	470456.14	3819178.37	2.84E-08	1.19E-07	1.07E-08	1.59E-07	2.37E-08	8.77E-08	7.71E-09	1.19E-07	2.68E-09	1.54E-08	1.83E-09	1.99E-08	2.44E-09	8.04E-09	5.54E-10	1.10E-08
312	470459.7	3819187.21	3.00E-08	1.26E-07	1.13E-08	1.67E-07	2.50E-08	9.26E-08	8.14E-09	1.26E-07	2.83E-09	1.62E-08	1.94E-09	2.10E-08	2.58E-09	8.49E-09	5.85E-10	1.17E-08
313	470463.26	3819196.06	3.16E-08	1.33E-07	1.20E-08	1.76E-07	2.63E-08	9.76E-08	8.59E-09	1.33E-07	2.99E-09	1.71E-08	2.04E-09	2.21E-08	2.72E-09	8.95E-09	6.17E-10	1.23E-08
314	470466.82	3819204.9	3.33E-08	1.40E-07	1.26E-08	1.86E-07	2.77E-08	1.03E-07	9.03E-09	1.39E-07	3.14E-09	1.80E-08	2.15E-09	2.33E-08	2.86E-09	9.42E-09	6.49E-10	1.29E-08
315	470470.38	3819213.75	3.49E-08	1.47E-07	1.32E-08	1.95E-07	2.91E-08	1.08E-07	9.48E-09	1.46E-07	3.30E-09	1.89E-08	2.25E-09	2.44E-08	3.00E-09	9.89E-09	6.82E-10	1.36E-08
316	470274.33	3819038.45	2.85E-08	1.20E-07	1.08E-08	1.59E-07	2.37E-08	8.78E-08	7.72E-09	1.19E-07	2.69E-09	1.54E-08	1.84E-09	1.99E-08	2.44E-09	8.06E-09	5.55E-10	1.11E-08
317	470264.77	3819038.32	2.96E-08	1.24E-07	1.12E-08	1.65E-07	2.47E-08	9.15E-08	8.05E-09	1.24E-07	2.80E-09	1.60E-08	1.91E-09	2.07E-08	2.54E-09	8.39E-09	5.78E-10	1.15E-08
318	470255.21	3819038.18	3.08E-08	1.29E-07	1.16E-08	1.72E-07	2.57E-08	9.50E-08	8.36E-09	1.29E-07	2.91E-09	1.66E-08	1.99E-09	2.15E-08	2.64E-09	8.72E-09	6.01E-10	1.20E-08
319	470245.64	3819038.05	3.19E-08	1.34E-07	1.21E-08	1.78E-07	2.66E-08	9.85E-08	8.66E-09	1.34E-07	3.01E-09	1.73E-08	2.06E-09	2.23E-08	2.74E-09	9.03E-09	6.23E-10	1.24E-08
320	470236.08	3819037.91	3.29E-08	1.38E-07	1.25E-08	1.84E-07	2.74E-08	1.02E-07	8.94E-09	1.38E-07	3.11E-09	1.78E-08	2.12E-09	2.30E-08	2.83E-09	9.32E-09	6.43E-10	1.28E-08
321	470226.52	3819037.78	3.38E-08	1.42E-07	1.28E-08	1.89E-07	2.82E-08	1.04E-07	9.18E-09	1.42E-07	3.20E-09	1.83E-08	2.18E-09	2.37E-08	2.90E-09	9.58E-09	6.60E-10	1.31E-08
322	470216.96	3819037.64	3.46E-08	1.45E-07	1.31E-08	1.93E-07	2.88E-08	1.07E-07	9.39E-09	1.45E-07	3.27E-09	1.87E-08	2.23E-09	2.42E-08	2.97E-09	9.79E-09	6.75E-10	1.34E-08
323	470207.4	3819037.51	3.52E-08	1.48E-07	1.33E-08	1.96E-07	2.93E-08	1.09E-07	9.56E-09	1.48E-07	3.33E-09	1.90E-08	2.27E-09	2.46E-08	3.02E-09	9.97E-09	6.87E-10	1.37E-08
324	470197.83	3819037.37	3.57E-08	1.50E-07	1.35E-08	1.99E-07	2.97E-08	1.10E-07	9.68E-09	1.49E-07	3.37E-09	1.93E-08	2.30E-09	2.49E-08	3.06E-09	1.01E-08	6.96E-10	1.39E-08
325	470188.27	3819037.24	3.59E-08	1.51E-07	1.36E-08	2.00E-07	2.99E-08	1.11E-07	9.76E-09	1.51E-07	3.39E-09	1.94E-08	2.32E-09	2.51E-08	3.09E-09	1.02E-08	7.01E-10	1.40E-08
326	470159.58	3819036.83	3.57E-08	1.50E-07	1.35E-08	1.99E-07	2.97E-08	1.10E-07	9.69E-09	1.50E-07	3.37E-09	1.93E-08	2.30E-09	2.50E-08	3.07E-09	1.01E-08	6.97E-10	1.39E-08
327	470150.02	3819036.7	3.53E-08	1.48E-07	1.34E-08	1.97E-07	2.94E-08	1.09E-07	9.58E-09	1.48E-07	3.33E-09	1.91E-08	2.28E-09	2.47E-08	3.03E-09	9.99E-09	6.89E-10	1.37E-08
328	470140.46	3819036.56	3.47E-08	1.46E-07	1.31E-08	1.94E-07	2.89E-08	1.07E-07	9.43E-09	1.46E-07	3.28E-09	1.88E-08	2.24E-09	2.43E-08	2.98E-09	9.83E-09	6.78E-10	1.35E-08
329	470130.9	3819036.43	3.40E-08	1.43E-07	1.28E-08	1.89E-07	2.83E-08	1.05E-07	9.22E-09	1.42E-07	3.21E-09	1.84E-08	2.19E-09	2.38E-08	2.92E-09	9.61E-09	6.63E-10	1.32E-08
330	470121.34	3819036.29	3.31E-08	1.39E-07	1.25E-08	1.84E-07	2.75E-08	1.02E-07	8.98E-09	1.39E-07	3.12E-09	1.79E-08	2.13E-09	2.31E-08	2.84E-09	9.36E-09	6.45E-10	1.28E-08
331	470111.77	3819036.16	3.21E-08	1.35E-07	1.21E-08	1.79E-07	2.67E-08	9.90E-08	8.71E-09	1.34E-07	3.03E-09	1.73E-08	2.07E-09	2.24E-08	2.75E-09	9.08E-09	6.26E-10	1.25E-08
332	470318.45	3819033.3	2.20E-08	9.25E-08	8.33E-09	1.23E-07	1.84E-08	6.80E-08	5.98E-09	9.23E-08	2.08E-09	1.19E-08	1.42E-09	1.54E-08	1.89E-09	6.24E-09	4.30E-10	8.56E-09
333	470327.01	3819036.98	2.14E-08	9.01E-08	8.11E-09	1.20E-07	1.79E-08	6.62E-08	5.82E-09	8.99E-08	2.03E-09	1.16E-08	1.38E-09	1.50E-08	1.84E-09	6.07E-09	4.18E-10	8.33E-09
334	470335.58	3819040.66	2.08E-08	8.75E-08	7.88E-09	1.16E-07	1.74E-08	6.43E-08	5.66E-09	8.73E-08	1.97E-09	1.13E-08	1.34E-09	1.46E-08	1.79E-09	5.90E-09	4.07E-10	8.10E-09
335	470344.15	3819044.33	2.02E-08	8.50E-08	7.65E-09	1.13E-07	1.69E-08	6.24E-08	5.49E-09	8.48E-08	1.91E-09	1.09E-08	1.31E-09	1.42E-08	1.74E-09	5.73E-09	3.95E-10	7.86E-09
336	470352.71	3819048.01	1.97E-08	8.26E-08	7.43E-09	1.10E-07	1.64E-08	6.07E-08	5.34E-09	8.24E-08	1.86E-09	1.06E-08	1.27E-09	1.38E-08	1.69E-09	5.56E-09	3.84E-10	7.64E-09
337	470361.28	3819051.69	1.91E-08	8.03E-08	7.23E-09	1.07E-07	1.59E-08	5.90E-08	5.19E-09	8.01E-08	1.80E-09	1.03E-08	1.23E-09	1.34E-08	1.64E-09	5.41E-09	3.73E-10	7.42E-09
338	470369.85	3819055.36	1.86E-08	7.81E-08	7.03E-09	1.04E-07	1.55E-08	5.74E-08	5.05E-09	7.79E-08	1.76E-09	1.01E-08	1.20E-09	1.30E-08	1.60E-09	5.26E-09	3.63E-10	7.22E-09
339	470378.42	3819059.04	1.81E-08	7.60E-08	6.85E-09	1.01E-07	1.51E-08	5.59E-08	4.91E-09	7.59E-08	1.71E-09	9.79E-09	1.17E-09	1.27E-08	1.55E-09	5.12E-09	3.53E-10	7.03E-09
340	470386.98	3819062.72	1.76E-08	7.40E-08	6.67E-09	9.83E-08	1.47E-08	5.44E-08	4.79E-09	7.39E-08	1.66E-09	9.53E-09	1.14E-09	1.23E-08	1.51E-09	4.99E-09	3.44E-10	6.85E-09
341	470395.55	3819066.4	1.72E-08	7.21E-08	6.49E-09	9.58E-08	1.43E-08	5.30E-08	4.66E-09	7.19E-08	1.62E-09	9.28E-09	1.11E-09	1.20E-08	1.47E-09	4.86E-09	3.35E-10	6.67E-09
342	470404.12	3819070.07	1.67E-08	7.03E-08	6.33E-09	9.34E-08	1.39E-08	5.17E-08	4.54E-09	7.02E-08	1.58E-09	9.05E-09	1.08E-09	1.17E-08	1.44E-09	4.74E-09	3.27E-10	6.50E-09
343	470412.69	3819073.75	1.64E-08	6.87E-08	6.19E-09	9.12E-08	1.36E-08	5.05E-08	4.44E-09	6.85E-08	1.54E-09	8.84E-09	1.06E-09	1.14E-08	1.40E-09	4.63E-09	3.19E-10	6.35E-09
344	470421.25	3819077.43	1.60E-08	6.73E-08	6.06E-09	8.93E-08	1.33E-08	4.94E-08	4.35E-09	6.71E-08	1.51E-09	8.66E-09	1.03E-09	1.12E-08	1.38E-09	4.53E-09	3.13E-10	6.22E-09
345	470429.82	3819081.1	1.57E-08	6.60E-08	5.94E-09	8.77E-08	1.31E-08	4.85E-08	4.27E-09	6.59E-08	1.48E-09	8.50E-09	1.01E-09	1.10E-08	1.35E-09	4.45E-09	3.07E-10	6.10E-09
346	470441.87	3819093.43	1.61E-08	6.75E-08	6.07E-09	8.96E-08	1.34E-08	4.96E-08	4.36E-09	6.73E-08	1.52E-09	8.68E-09	1.04E-09	1.12E-08	1.38E-09	4.55E-09	3.13E-10	6.24E-09
347	470445.35	3819102.08	1.67E-08	7.03E-08	6.33E-09	9.33E-08	1.39E-08	5.16E-08	4.54E-09	7.01E-08	1.58E-09	9.05E-09	1.08E-09	1.17E-08	1.44E-09	4.74E-09	3.27E-10	6.50E-09
348	470448.83	3819110.73	1.75E-08	7.34E-08	6.61E-09	9.75E-08	1.46E-08	5.39E-08	4.74E-09	7.32E-08	1.65E-09	9.45E-09	1.13E-09	1.22E-08	1.50E-09	4.95E-09	3.41E-10	6.79E-09
349	470452.32	3819119.38	1.83E-08	7.68E-08	6.92E-09	1.02E-07	1.52E-08	5.64E-08	4.96E-09	7.66E-08	1.73E-09	9.89E-09	1.18E-09	1.28E-08	1.57E-09	5.18E-09	3.57E-10	7.10E-09
350	470455.8	3819128.02	1.92E-08	8.05E-08	7.25E-09	1.07E-07	1.60E-08	5.92E-08	5.21E-09	8.04E-08	1.81E-09	1.04E-08	1.24E-09	1.34E-08	1.65E-09	5.43E-09	3.74E-10	7.45E-09
351	470459.28	3819136.67	2.01E-08	8.46E-08	7.62E-09	1.12E-07	1.68E-08	6.22E-08	5.47E-09	8.44E-08	1.90E-09	1.09E-08	1.30E-09	1.41E-08	1.73E-09	5.70E-09	3.93E-10	7.83E-09
352	470462.76	3819145.32	2.12E-08	8.91E-08	8.02E-09	1.18E-07	1.77E-08	6.54E-08	5.76E-09	8.89E-08	2.00E-09	1.15E-08	1.37E-09	1.48E-08	1.82E-09	6.00E-09	4.14E-10	8.24E-09
353	470466.24	3819153.97	2.23E-08	9.38E-08	8.45E-09	1.25E-07	1.86E-08	6.89E-08	6.06E-09	9.36E-08	2.11E-09	1.21E-08	1.44E-09	1.56E-08	1.92E-09	6.32E-09	4.36E-10	8.68E-09

354	470469.73	3819162.62	2.35E-08	9.89E-08	8.90E-09	1.31E-07	1.96E-08	7.26E-08	6.39E-09	9.86E-08	2.22E-09	1.27E-08	1.52E-09	1.65E-08	2.02E-09	6.66E-09	4.59E-10	9.14E-09
355	470274.61	3819018.46	2.49E-08	1.05E-07	9.43E-09	1.39E-07	2.08E-08	7.69E-08	6.77E-09	1.04E-07	2.35E-09	1.35E-08	1.61E-09	1.74E-08	2.14E-09	7.06E-09	4.86E-10	9.68E-09
356	470265.05	3819018.32	2.59E-08	1.09E-07	9.81E-09	1.45E-07	2.16E-08	8.00E-08	7.04E-09	1.09E-07	2.45E-09	1.40E-08	1.67E-09	1.81E-08	2.23E-09	7.34E-09	5.06E-10	1.01E-08
357	470255.49	3819018.19	2.69E-08	1.13E-07	1.02E-08	1.50E-07	2.24E-08	8.30E-08	7.30E-09	1.13E-07	2.54E-09	1.45E-08	1.74E-09	1.88E-08	2.31E-09	7.62E-09	5.25E-10	1.04E-08
358	470245.93	3819018.05	2.78E-08	1.17E-07	1.05E-08	1.55E-07	2.32E-08	8.58E-08	7.55E-09	1.17E-07	2.63E-09	1.50E-08	1.79E-09	1.95E-08	2.39E-09	7.87E-09	5.43E-10	1.08E-08
359	470236.36	3819017.92	2.86E-08	1.20E-07	1.08E-08	1.60E-07	2.39E-08	8.84E-08	7.78E-09	1.20E-07	2.70E-09	1.55E-08	1.85E-09	2.00E-08	2.46E-09	8.11E-09	5.59E-10	1.11E-08
360	470226.8	3819017.78	2.94E-08	1.23E-07	1.11E-08	1.64E-07	2.45E-08	9.07E-08	7.98E-09	1.23E-07	2.77E-09	1.59E-08	1.90E-09	2.06E-08	2.52E-09	8.32E-09	5.73E-10	1.14E-08
361	470217.24	3819017.65	3.00E-08	1.26E-07	1.13E-08	1.67E-07	2.50E-08	9.26E-08	8.15E-09	1.26E-07	2.83E-09	1.62E-08	1.94E-09	2.10E-08	2.58E-09	8.49E-09	5.86E-10	1.17E-08
362	470207.68	3819017.51	3.05E-08	1.28E-07	1.15E-08	1.70E-07	2.54E-08	9.42E-08	8.28E-09	1.28E-07	2.88E-09	1.65E-08	1.97E-09	2.13E-08	2.62E-09	8.64E-09	5.96E-10	1.19E-08
363	470198.12	3819017.38	3.09E-08	1.30E-07	1.17E-08	1.72E-07	2.57E-08	9.54E-08	8.39E-09	1.29E-07	2.92E-09	1.67E-08	1.99E-09	2.16E-08	2.65E-09	8.75E-09	6.03E-10	1.20E-08
364	470188.55	3819017.24	3.11E-08	1.31E-07	1.18E-08	1.74E-07	2.59E-08	9.61E-08	8.45E-09	1.31E-07	2.94E-09	1.68E-08	2.01E-09	2.18E-08	2.67E-09	8.82E-09	6.08E-10	1.21E-08
365	470159.87	3819016.84	3.11E-08	1.30E-07	1.17E-08	1.73E-07	2.59E-08	9.58E-08	8.43E-09	1.30E-07	2.93E-09	1.68E-08	2.00E-09	2.17E-08	2.67E-09	8.79E-09	6.06E-10	1.21E-08
366	470150.3	3819016.7	3.07E-08	1.29E-07	1.16E-08	1.72E-07	2.56E-08	9.49E-08	8.35E-09	1.29E-07	2.90E-09	1.66E-08	1.98E-09	2.15E-08	2.64E-09	8.70E-09	6.00E-10	1.19E-08
367	470140.74	3819016.57	3.03E-08	1.27E-07	1.15E-08	1.69E-07	2.53E-08	9.36E-08	8.23E-09	1.27E-07	2.86E-09	1.64E-08	1.96E-09	2.12E-08	2.60E-09	8.58E-09	5.92E-10	1.18E-08
368	470131.18	3819016.43	2.97E-08	1.25E-07	1.12E-08	1.66E-07	2.48E-08	9.18E-08	8.07E-09	1.25E-07	2.81E-09	1.61E-08	1.92E-09	2.08E-08	2.55E-09	8.42E-09	5.80E-10	1.16E-08
369	470121.62	3819016.3	2.91E-08	1.22E-07	1.10E-08	1.62E-07	2.42E-08	8.97E-08	7.89E-09	1.22E-07	2.74E-09	1.57E-08	1.87E-09	2.03E-08	2.49E-09	8.22E-09	5.67E-10	1.13E-08
370	470112.06	3819016.16	2.83E-08	1.19E-07	1.07E-08	1.58E-07	2.36E-08	8.73E-08	7.68E-09	1.19E-07	2.67E-09	1.53E-08	1.82E-09	1.98E-08	2.43E-09	8.01E-09	5.52E-10	1.10E-08
371	470318.1	3819013.04	1.97E-08	8.27E-08	7.45E-09	1.10E-07	1.64E-08	6.08E-08	5.35E-09	8.26E-08	1.86E-09	1.07E-08	1.27E-09	1.38E-08	1.69E-09	5.58E-09	3.84E-10	7.65E-09
372	470326.52	3819016.65	1.92E-08	8.08E-08	7.27E-09	1.07E-07	1.60E-08	5.93E-08	5.22E-09	8.06E-08	1.82E-09	1.04E-08	1.24E-09	1.35E-08	1.65E-09	5.44E-09	3.75E-10	7.47E-09
373	470334.93	3819020.26	1.87E-08	7.87E-08	7.08E-09	1.04E-07	1.56E-08	5.78E-08	5.08E-09	7.85E-08	1.77E-09	1.01E-08	1.21E-09	1.31E-08	1.61E-09	5.30E-09	3.65E-10	7.28E-09
374	470343.34	3819023.87	1.82E-08	7.65E-08	6.89E-09	1.02E-07	1.52E-08	5.62E-08	4.95E-09	7.64E-08	1.72E-09	9.85E-09	1.18E-09	1.27E-08	1.56E-09	5.16E-09	3.56E-10	7.08E-09
375	470351.75	3819027.48	1.77E-08	7.44E-08	6.70E-09	9.88E-08	1.48E-08	5.47E-08	4.81E-09	7.42E-08	1.67E-09	9.58E-09	1.14E-09	1.24E-08	1.52E-09	5.02E-09	3.46E-10	6.88E-09
376	470360.16	3819031.09	1.72E-08	7.23E-08	6.51E-09	9.60E-08	1.43E-08	5.31E-08	4.67E-09	7.21E-08	1.63E-09	9.31E-09	1.11E-09	1.20E-08	1.48E-09	4.87E-09	3.36E-10	6.69E-09
377	470368.57	3819034.7	1.67E-08	7.02E-08	6.33E-09	9.33E-08	1.39E-08	5.16E-08	4.54E-09	7.01E-08	1.58E-09	9.04E-09	1.08E-09	1.17E-08	1.44E-09	4.73E-09	3.26E-10	6.50E-09
378	470376.99	3819038.31	1.63E-08	6.83E-08	6.15E-09	9.07E-08	1.35E-08	5.02E-08	4.41E-09	6.81E-08	1.53E-09	8.79E-09	1.05E-09	1.14E-08	1.40E-09	4.60E-09	3.17E-10	6.31E-09
379	470385.4	3819041.92	1.58E-08	6.64E-08	5.98E-09	8.81E-08	1.32E-08	4.88E-08	4.29E-09	6.62E-08	1.49E-09	8.54E-09	1.02E-09	1.11E-08	1.36E-09	4.47E-09	3.08E-10	6.14E-09
380	470393.81	3819045.53	1.54E-08	6.46E-08	5.81E-09	8.57E-08	1.28E-08	4.74E-08	4.17E-09	6.44E-08	1.45E-09	8.31E-09	9.92E-10	1.08E-08	1.32E-09	4.35E-09	3.00E-10	5.97E-09
381	470402.22	3819049.14	1.50E-08	6.30E-08	5.67E-09	8.37E-08	1.25E-08	4.63E-08	4.07E-09	6.29E-08	1.42E-09	8.11E-09	9.68E-10	1.05E-08	1.29E-09	4.25E-09	2.93E-10	5.83E-09
382	470410.63	3819052.75	1.47E-08	6.16E-08	5.55E-09	8.18E-08	1.22E-08	4.53E-08	3.98E-09	6.15E-08	1.39E-09	7.93E-09	9.47E-10	1.03E-08	1.26E-09	4.15E-09	2.86E-10	5.70E-09
383	470419.04	3819056.36	1.44E-08	6.06E-08	5.45E-09	8.04E-08	1.20E-08	4.45E-08	3.91E-09	6.04E-08	1.36E-09	7.80E-09	9.30E-10	1.01E-08	1.24E-09	4.08E-09	2.81E-10	5.60E-09
384	470427.46	3819059.97	1.41E-08	5.93E-08	5.34E-09	7.87E-08	1.18E-08	4.36E-08	3.83E-09	5.91E-08	1.33E-09	7.63E-09	9.10E-10	9.87E-09	1.21E-09	4.00E-09	2.75E-10	5.48E-09
385	470435.87	3819063.58	1.38E-08	5.81E-08	5.23E-09	7.72E-08	1.15E-08	4.27E-08	3.76E-09	5.80E-08	1.31E-09	7.48E-09	8.93E-10	9.68E-09	1.19E-09	3.92E-09	2.70E-10	5.38E-09
386	470444.28	3819067.19	1.36E-08	5.71E-08	5.14E-09	7.58E-08	1.13E-08	4.20E-08	3.69E-09	5.70E-08	1.28E-09	7.35E-09	8.77E-10	9.51E-09	1.17E-09	3.85E-09	2.65E-10	5.28E-09
387	470274.9	3818998.46	2.21E-08	9.26E-08	8.34E-09	1.23E-07	1.84E-08	6.81E-08	5.99E-09	9.24E-08	2.08E-09	1.19E-08	1.42E-09	1.54E-08	1.89E-09	6.24E-09	4.30E-10	8.57E-09
388	470265.33	3818998.32	2.29E-08	9.62E-08	8.66E-09	1.28E-07	1.91E-08	7.07E-08	6.22E-09	9.60E-08	2.16E-09	1.24E-08	1.48E-09	1.60E-08	1.97E-09	6.48E-09	4.47E-10	8.90E-09
389	470255.77	3818998.19	2.37E-08	9.95E-08	8.96E-09	1.32E-07	1.97E-08	7.31E-08	6.43E-09	9.93E-08	2.24E-09	1.28E-08	1.53E-09	1.66E-08	2.03E-09	6.71E-09	4.63E-10	9.21E-09
390	470246.21	3818998.05	2.45E-08	1.03E-07	9.25E-09	1.36E-07	2.04E-08	7.55E-08	6.64E-09	1.02E-07	2.31E-09	1.32E-08	1.58E-09	1.71E-08	2.10E-09	6.92E-09	4.77E-10	9.50E-09
391	470236.65	3818997.92	2.51E-08	1.06E-07	9.51E-09	1.40E-07	2.09E-08	7.76E-08	6.82E-09	1.05E-07	2.37E-09	1.36E-08	1.62E-09	1.76E-08	2.16E-09	7.12E-09	4.91E-10	9.77E-09
392	470227.08	3818997.78	2.58E-08	1.08E-07	9.74E-09	1.44E-07	2.14E-08	7.95E-08	6.99E-09	1.08E-07	2.43E-09	1.39E-08	1.66E-09	1.80E-08	2.21E-09	7.29E-09	5.02E-10	1.00E-08
393	470217.52	3818997.65	2.63E-08	1.10E-07	9.94E-09	1.47E-07	2.19E-08	8.11E-08	7.13E-09	1.10E-07	2.48E-09	1.42E-08	1.69E-09	1.84E-08	2.26E-09	7.44E-09	5.13E-10	1.02E-08
394	470207.96	3818997.51	2.67E-08	1.12E-07	1.01E-08	1.49E-07	2.22E-08	8.24E-08	7.25E-09	1.12E-07	2.52E-09	1.44E-08	1.72E-09	1.87E-08	2.29E-09	7.56E-09	5.21E-10	1.04E-08
395	470198.4	3818997.38	2.70E-08	1.14E-07	1.02E-08	1.51E-07	2.25E-08	8.34E-08	7.34E-09	1.13E-07	2.55E-09	1.46E-08	1.74E-09	1.89E-08	2.32E-09	7.65E-09	5.27E-10	1.05E-08
396	470188.84	3818997.24	2.72E-08	1.14E-07	1.03E-08	1.52E-07	2.27E-08	8.41E-08	7.40E-09	1.14E-07	2.57E-09	1.47E-08	1.76E-09	1.91E-08	2.34E-09	7.71E-09	5.32E-10	1.06E-08
397	470160.15	3818996.84	2.72E-08	1.14E-07	1.03E-08	1.52E-07	2.27E-08	8.41E-08	7.39E-09	1.14E-07	2.57E-09	1.47E-08	1.76E-09	1.91E-08	2.34E-09	7.71E-09	5.31E-10	1.06E-08
398	470150.59	3818996.7	2.70E-08	1.13E-07	1.02E-08	1.51E-07	2.25E-08	8.34E-08	7.33E-09	1.13E-07	2.55E-09	1.46E-08	1.74E-09	1.89E-08	2.32E-09	7.65E-09	5.27E-10	1.05E-08
399	470141.02	3818996.57	2.67E-08	1.12E-07	1.01E-08	1.49E-07	2.22E-08	8.24E-08	7.25E-09	1.12E-07	2.52E-09	1.44E-08	1.72E-09	1.87E-08	2.29E-09	7.56E-09	5.21E-10	1.04E-08
400	470131.46	3818996.43	2.62E-08	1.10E-07	9.92E-09	1.46E-07	2.19E-08	8.10E-08	7.12E-09	1.10E-07	2.48E-09	1.42E-08	1.69E-09	1.84E-08	2.25E-09	7.43E-09	5.12E-10	1.02E-08
401	470121.9	3818996.3	2.57E-08	1.08E-07	9.72E-09	1.43E-07	2.14E-08	7.93E-08	6.98E-09	1.08E-07	2.43E-09	1.39E-08	1.66E-09	1.80E-08	2.21E-09	7.28E-09	5.02E-10	9.98E-09
402	470112.34	3818996.16	2.51E-08	1.05E-07	9.49E-09	1.40E-07	2.09E-08	7.74E-08	6.81E-09	1.05E-07	2.37E-09	1.36E-08	1.62E-09	1.76E-08	2.15E-09	7.10E-09	4.90E-10	9.75E-09
403	470319.45	3818993.5	1.77E-08	7.42E-08	6.68E-09	9.85E-08	1.47E-08	5.45E-08	4.79E-09	7.40E-08	1.67E-09	9.55E-09	1.14E-09	1.24E-08	1.52E-09	5.00E-09	3.45E-10	6.86E-09
404	470328.13	3818997.22	1.72E-08	7.24E-08	6.52E-09	9.62E-08	1.44E-08	5.32E-08	4.68E-09	7.22E-08	1.63E-09	9.32E-09	1.11E-09	1.21E-08	1.48E-09	4.88E-09	3.36E-10	6.70E-09

405	470336.81	3819000.95	1.68E-08	7.06E-08	6.35E-09	9.37E-08	1.40E-08	5.18E-08	4.56E-09	7.04E-08	1.59E-09	9.08E-09	1.08E-09	1.18E-08	1.44E-09	4.76E-09	3.28E-10	6.53E-09
406	470345.49	3819004.67	1.64E-08	6.87E-08	6.19E-09	9.12E-08	1.36E-08	5.05E-08	4.44E-09	6.85E-08	1.54E-09	8.84E-09	1.05E-09	1.14E-08	1.40E-09	4.63E-09	3.19E-10	6.35E-09
407	470354.17	3819008.4	1.59E-08	6.68E-08	6.02E-09	8.87E-08	1.32E-08	4.91E-08	4.32E-09	6.66E-08	1.50E-09	8.60E-09	1.03E-09	1.11E-08	1.37E-09	4.50E-09	3.10E-10	6.18E-09
408	470362.85	3819012.12	1.55E-08	6.49E-08	5.85E-09	8.62E-08	1.29E-08	4.77E-08	4.20E-09	6.48E-08	1.46E-09	8.36E-09	9.97E-10	1.08E-08	1.33E-09	4.38E-09	3.02E-10	6.00E-09
409	470371.53	3819015.85	1.50E-08	6.31E-08	5.68E-09	8.38E-08	1.25E-08	4.63E-08	4.08E-09	6.29E-08	1.42E-09	8.12E-09	9.69E-10	1.05E-08	1.29E-09	4.25E-09	2.93E-10	5.83E-09
410	470380.21	3819019.57	1.46E-08	6.13E-08	5.52E-09	8.14E-08	1.22E-08	4.50E-08	3.96E-09	6.11E-08	1.38E-09	7.89E-09	9.41E-10	1.02E-08	1.25E-09	4.13E-09	2.85E-10	5.67E-09
411	470388.88	3819023.3	1.42E-08	5.95E-08	5.36E-09	7.91E-08	1.18E-08	4.38E-08	3.85E-09	5.94E-08	1.34E-09	7.67E-09	9.15E-10	9.92E-09	1.22E-09	4.01E-09	2.77E-10	5.51E-09
412	470397.56	3819027.02	1.38E-08	5.79E-08	5.21E-09	7.69E-08	1.15E-08	4.25E-08	3.74E-09	5.78E-08	1.30E-09	7.45E-09	8.89E-10	9.64E-09	1.18E-09	3.90E-09	2.69E-10	5.35E-09
413	470406.24	3819030.75	1.34E-08	5.63E-08	5.07E-09	7.48E-08	1.12E-08	4.14E-08	3.64E-09	5.62E-08	1.27E-09	7.25E-09	8.65E-10	9.39E-09	1.15E-09	3.80E-09	2.62E-10	5.21E-09
414	470414.92	3819034.47	1.31E-08	5.50E-08	4.95E-09	7.30E-08	1.09E-08	4.04E-08	3.55E-09	5.49E-08	1.24E-09	7.08E-09	8.45E-10	9.16E-09	1.12E-09	3.71E-09	2.56E-10	5.09E-09
415	470423.6	3819038.2	1.28E-08	5.39E-08	4.85E-09	7.16E-08	1.07E-08	3.96E-08	3.48E-09	5.38E-08	1.21E-09	6.94E-09	8.28E-10	8.98E-09	1.10E-09	3.63E-09	2.50E-10	4.99E-09
416	470432.28	3819041.92	1.26E-08	5.29E-08	4.76E-09	7.02E-08	1.05E-08	3.88E-08	3.42E-09	5.27E-08	1.19E-09	6.81E-09	8.12E-10	8.81E-09	1.08E-09	3.56E-09	2.46E-10	4.89E-09
417	470440.96	3819045.65	1.23E-08	5.18E-08	4.66E-09	6.87E-08	1.03E-08	3.80E-08	3.35E-09	5.16E-08	1.16E-09	6.66E-09	7.95E-10	8.62E-09	1.06E-09	3.49E-09	2.41E-10	4.79E-09
418	470275.18	3818978.46	1.97E-08	8.26E-08	7.44E-09	1.10E-07	1.64E-08	6.07E-08	5.34E-09	8.24E-08	1.86E-09	1.06E-08	1.27E-09	1.38E-08	1.69E-09	5.57E-09	3.84E-10	7.64E-09
419	470265.62	3818978.33	2.04E-08	8.56E-08	7.70E-09	1.14E-07	1.70E-08	6.29E-08	5.53E-09	8.54E-08	1.92E-09	1.10E-08	1.31E-09	1.43E-08	1.75E-09	5.77E-09	3.98E-10	7.91E-09
420	470256.05	3818978.19	2.10E-08	8.84E-08	7.96E-09	1.17E-07	1.75E-08	6.49E-08	5.71E-09	8.82E-08	1.99E-09	1.14E-08	1.36E-09	1.47E-08	1.81E-09	5.96E-09	4.11E-10	8.17E-09
421	470246.49	3818978.06	2.17E-08	9.10E-08	8.19E-09	1.21E-07	1.80E-08	6.69E-08	5.88E-09	9.08E-08	2.05E-09	1.17E-08	1.40E-09	1.52E-08	1.86E-09	6.13E-09	4.23E-10	8.42E-09
422	470236.93	3818977.92	2.22E-08	9.34E-08	8.41E-09	1.24E-07	1.85E-08	6.86E-08	6.04E-09	9.32E-08	2.10E-09	1.20E-08	1.43E-09	1.56E-08	1.91E-09	6.30E-09	4.34E-10	8.64E-09
423	470227.37	3818977.79	2.28E-08	9.56E-08	8.61E-09	1.27E-07	1.90E-08	7.02E-08	6.18E-09	9.54E-08	2.15E-09	1.23E-08	1.47E-09	1.59E-08	1.95E-09	6.44E-09	4.44E-10	8.84E-09
424	470217.8	3818977.65	2.32E-08	9.74E-08	8.77E-09	1.29E-07	1.93E-08	7.16E-08	6.30E-09	9.72E-08	2.19E-09	1.25E-08	1.50E-09	1.62E-08	1.99E-09	6.57E-09	4.53E-10	9.01E-09
425	470208.24	3818977.52	2.36E-08	9.90E-08	8.91E-09	1.31E-07	1.96E-08	7.27E-08	6.40E-09	9.87E-08	2.23E-09	1.27E-08	1.52E-09	1.65E-08	2.02E-09	6.67E-09	4.60E-10	9.15E-09
426	470198.68	3818977.38	2.38E-08	1.00E-07	9.02E-09	1.33E-07	1.99E-08	7.36E-08	6.47E-09	9.99E-08	2.25E-09	1.29E-08	1.54E-09	1.67E-08	2.05E-09	6.75E-09	4.65E-10	9.26E-09
427	470189.12	3818977.25	2.40E-08	1.01E-07	9.09E-09	1.34E-07	2.00E-08	7.42E-08	6.53E-09	1.01E-07	2.27E-09	1.30E-08	1.55E-09	1.68E-08	2.06E-09	6.81E-09	4.69E-10	9.34E-09
428	470160.43	3818976.84	2.41E-08	1.01E-07	9.11E-09	1.34E-07	2.01E-08	7.43E-08	6.54E-09	1.01E-07	2.27E-09	1.30E-08	1.55E-09	1.68E-08	2.07E-09	6.82E-09	4.70E-10	9.35E-09
429	470150.87	3818976.71	2.39E-08	1.00E-07	9.05E-09	1.33E-07	1.99E-08	7.38E-08	6.49E-09	1.00E-07	2.26E-09	1.29E-08	1.54E-09	1.67E-08	2.05E-09	6.77E-09	4.67E-10	9.29E-09
430	470141.31	3818976.57	2.37E-08	9.94E-08	8.95E-09	1.32E-07	1.97E-08	7.31E-08	6.43E-09	9.92E-08	2.24E-09	1.28E-08	1.53E-09	1.66E-08	2.03E-09	6.70E-09	4.62E-10	9.20E-09
431	470131.74	3818976.44	2.33E-08	9.80E-08	8.82E-09	1.30E-07	1.94E-08	7.20E-08	6.33E-09	9.78E-08	2.20E-09	1.26E-08	1.50E-09	1.63E-08	2.00E-09	6.60E-09	4.55E-10	9.06E-09
432	470122.18	3818976.3	2.29E-08	9.62E-08	8.67E-09	1.28E-07	1.91E-08	7.07E-08	6.22E-09	9.60E-08	2.16E-09	1.24E-08	1.48E-09	1.60E-08	1.97E-09	6.49E-09	4.47E-10	8.90E-09
433	470112.62	3818976.17	2.24E-08	9.42E-08	8.49E-09	1.25E-07	1.87E-08	6.92E-08	6.09E-09	9.40E-08	2.12E-09	1.21E-08	1.45E-09	1.57E-08	1.93E-09	6.35E-09	4.38E-10	8.72E-09
434	470319.16	3818973.25	1.59E-08	6.68E-08	6.02E-09	8.87E-08	1.33E-08	4.91E-08	4.32E-09	6.67E-08	1.50E-09	8.60E-09	1.03E-09	1.11E-08	1.37E-09	4.50E-09	3.10E-10	6.18E-09
435	470327.69	3818976.91	1.56E-08	6.54E-08	5.89E-09	8.69E-08	1.30E-08	4.81E-08	4.23E-09	6.53E-08	1.47E-09	8.42E-09	1.00E-09	1.09E-08	1.34E-09	4.41E-09	3.04E-10	6.05E-09
436	470336.22	3818980.57	1.52E-08	6.40E-08	5.76E-09	8.50E-08	1.27E-08	4.70E-08	4.14E-09	6.38E-08	1.44E-09	8.24E-09	9.83E-10	1.07E-08	1.31E-09	4.31E-09	2.97E-10	5.92E-09
437	470344.76	3818984.24	1.49E-08	6.25E-08	5.63E-09	8.30E-08	1.24E-08	4.59E-08	4.04E-09	6.23E-08	1.41E-09	8.04E-09	9.60E-10	1.04E-08	1.28E-09	4.21E-09	2.90E-10	5.78E-09
438	470353.29	3818987.9	1.45E-08	6.09E-08	5.49E-09	8.09E-08	1.21E-08	4.48E-08	3.94E-09	6.08E-08	1.37E-09	7.84E-09	9.36E-10	1.01E-08	1.25E-09	4.11E-09	2.83E-10	5.64E-09
439	470361.82	3818991.56	1.41E-08	5.93E-08	5.34E-09	7.88E-08	1.18E-08	4.36E-08	3.84E-09	5.92E-08	1.33E-09	7.64E-09	9.11E-10	9.88E-09	1.21E-09	4.00E-09	2.76E-10	5.49E-09
440	470370.36	3818995.22	1.37E-08	5.77E-08	5.20E-09	7.67E-08	1.15E-08	4.24E-08	3.73E-09	5.76E-08	1.30E-09	7.43E-09	8.87E-10	9.62E-09	1.18E-09	3.89E-09	2.68E-10	5.34E-09
441	470378.89	3818998.89	1.34E-08	5.62E-08	5.06E-09	7.46E-08	1.11E-08	4.13E-08	3.63E-09	5.60E-08	1.26E-09	7.23E-09	8.63E-10	9.36E-09	1.15E-09	3.79E-09	2.61E-10	5.20E-09
442	470387.42	3819002.55	1.30E-08	5.46E-08	4.92E-09	7.26E-08	1.08E-08	4.02E-08	3.53E-09	5.45E-08	1.23E-09	7.03E-09	8.39E-10	9.10E-09	1.12E-09	3.68E-09	2.54E-10	5.05E-09
443	470395.96	3819006.21	1.27E-08	5.32E-08	4.79E-09	7.06E-08	1.05E-08	3.91E-08	3.44E-09	5.30E-08	1.20E-09	6.84E-09	8.16E-10	8.86E-09	1.09E-09	3.58E-09	2.47E-10	4.92E-09
444	470404.49	3819009.88	1.23E-08	5.17E-08	4.66E-09	6.87E-08	1.03E-08	3.80E-08	3.35E-09	5.16E-08	1.16E-09	6.66E-09	7.95E-10	8.62E-09	1.06E-09	3.49E-09	2.40E-10	4.79E-09
445	470413.03	3819013.54	1.20E-08	5.04E-08	4.54E-09	6.69E-08	1.00E-08	3.70E-08	3.26E-09	5.03E-08	1.13E-09	6.49E-09	7.74E-10	8.40E-09	1.03E-09	3.40E-09	2.34E-10	4.66E-09
446	470421.56	3819017.2	1.17E-08	4.92E-08	4.43E-09	6.53E-08	9.75E-09	3.61E-08	3.18E-09	4.90E-08	1.11E-09	6.33E-09	7.55E-10	8.19E-09	1.00E-09	3.31E-09	2.28E-10	4.55E-09
447	470430.09	3819020.86	1.14E-08	4.81E-08	4.33E-09	6.38E-08	9.53E-09	3.53E-08	3.11E-09	4.79E-08	1.08E-09	6.19E-09	7.38E-10	8.00E-09	9.82E-10	3.24E-09	2.23E-10	4.44E-09
448	470438.63	3819024.53	1.12E-08	4.71E-08	4.24E-09	6.26E-08	9.34E-09	3.46E-08	3.05E-09	4.70E-08	1.06E-09	6.06E-09	7.24E-10	7.85E-09	9.63E-10	3.18E-09	2.19E-10	4.36E-09
449	470554.12	3819223.74	2.46E-08	1.03E-07	9.30E-09	1.37E-07	2.05E-08	7.59E-08	6.68E-09	1.03E-07	2.32E-09	1.33E-08	1.59E-09	1.72E-08	2.11E-09	6.96E-09	4.80E-10	9.56E-09
450	470557.59	3819232.36	2.54E-08	1.07E-07	9.60E-09	1.42E-07	2.12E-08	7.84E-08	6.89E-09	1.06E-07	2.40E-09	1.37E-08	1.64E-09	1.78E-08	2.18E-09	7.19E-09	4.95E-10	9.86E-09
451	470275.46	3818958.46	1.76E-08	7.41E-08	6.67E-09	9.84E-08	1.47E-08	5.44E-08	4.79E-09	7.39E-08	1.67E-09	9.54E-09	1.14E-09	1.23E-08	1.51E-09	4.99E-09	3.44E-10	6.85E-09
452	470265.9	3818958.33	1.82E-08	7.66E-08	6.90E-09	1.02E-07	1.52E-08	5.63E-08	4.95E-09	7.64E-08	1.72E-09	9.86E-09	1.18E-09	1.28E-08	1.57E-09	5.16E-09	3.56E-10	7.08E-09
453	470256.34	3818958.19	1.88E-08	7.90E-08	7.11E-09	1.05E-07	1.57E-08	5.80E-08	5.10E-09	7.88E-08	1.78E-09	1.02E-08	1.21E-09	1.32E-08	1.61E-09	5.32E-09	3.67E-10	7.30E-09
454	470246.77	3818958.06	1.93E-08	8.12E-08	7.31E-09	1.08E-07	1.61E-08	5.97E-08	5.25E-09	8.10E-08	1.83E-09	1.05E-08	1.25E-09	1.35E-08	1.66E-09	5.47E-09	3.77E-10	7.51E-09
455	470237.21	3818957.92	1.98E-08	8.32E-08	7.50E-09	1.11E-07	1.65E-08	6.12E-08	5.38E-09	8.30E-08	1.87E-09	1.07E-08	1.28E-09	1.39E-08	1.70E-09	5.61E-09	3.87E-10	7.70E-09

456	470227.65	3818957.79	2.03E-08	8.51E-08	7.66E-09	1.13E-07	1.69E-08	6.25E-08	5.50E-09	8.49E-08	1.91E-09	1.09E-08	1.31E-09	1.42E-08	1.74E-09	5.73E-09	3.95E-10	7.87E-09
457	470218.09	3818957.65	2.06E-08	8.66E-08	7.80E-09	1.15E-07	1.72E-08	6.37E-08	5.60E-09	8.64E-08	1.95E-09	1.12E-08	1.33E-09	1.44E-08	1.77E-09	5.84E-09	4.03E-10	8.01E-09
458	470208.52	3818957.52	2.09E-08	8.80E-08	7.92E-09	1.17E-07	1.74E-08	6.46E-08	5.69E-09	8.78E-08	1.98E-09	1.13E-08	1.35E-09	1.47E-08	1.80E-09	5.93E-09	4.09E-10	8.14E-09
459	470198.96	3818957.38	2.12E-08	8.90E-08	8.01E-09	1.18E-07	1.76E-08	6.54E-08	5.75E-09	8.88E-08	2.00E-09	1.15E-08	1.37E-09	1.48E-08	1.82E-09	6.00E-09	4.13E-10	8.23E-09
460	470189.4	3818957.25	2.14E-08	8.97E-08	8.08E-09	1.19E-07	1.78E-08	6.59E-08	5.80E-09	8.95E-08	2.02E-09	1.15E-08	1.38E-09	1.49E-08	1.83E-09	6.05E-09	4.17E-10	8.30E-09
461	470160.71	3818956.84	2.14E-08	9.00E-08	8.11E-09	1.20E-07	1.79E-08	6.62E-08	5.82E-09	8.98E-08	2.02E-09	1.16E-08	1.38E-09	1.50E-08	1.84E-09	6.07E-09	4.18E-10	8.33E-09
462	470151.15	3818956.71	2.13E-08	8.95E-08	8.06E-09	1.19E-07	1.78E-08	6.58E-08	5.79E-09	8.93E-08	2.01E-09	1.15E-08	1.38E-09	1.49E-08	1.83E-09	6.03E-09	4.16E-10	8.28E-09
463	470141.59	3818956.57	2.11E-08	8.87E-08	7.99E-09	1.18E-07	1.76E-08	6.52E-08	5.74E-09	8.85E-08	2.00E-09	1.14E-08	1.36E-09	1.48E-08	1.81E-09	5.98E-09	4.12E-10	8.21E-09
464	470132.03	3818956.44	2.09E-08	8.77E-08	7.90E-09	1.16E-07	1.74E-08	6.44E-08	5.67E-09	8.75E-08	1.97E-09	1.13E-08	1.35E-09	1.46E-08	1.79E-09	5.91E-09	4.07E-10	8.11E-09
465	470122.46	3818956.3	2.06E-08	8.64E-08	7.78E-09	1.15E-07	1.71E-08	6.35E-08	5.58E-09	8.62E-08	1.94E-09	1.11E-08	1.33E-09	1.44E-08	1.77E-09	5.82E-09	4.01E-10	7.99E-09
466	470112.9	3818956.17	2.02E-08	8.48E-08	7.64E-09	1.13E-07	1.68E-08	6.23E-08	5.48E-09	8.46E-08	1.91E-09	1.09E-08	1.30E-09	1.41E-08	1.73E-09	5.72E-09	3.94E-10	7.85E-09
467	470320.35	3818953.64	1.43E-08	6.02E-08	5.42E-09	8.00E-08	1.19E-08	4.43E-08	3.89E-09	6.01E-08	1.35E-09	7.75E-09	9.25E-10	1.00E-08	1.23E-09	4.06E-09	2.80E-10	5.57E-09
468	470329.12	3818957.4	1.40E-08	5.90E-08	5.31E-09	7.83E-08	1.17E-08	4.33E-08	3.81E-09	5.88E-08	1.33E-09	7.59E-09	9.05E-10	9.82E-09	1.21E-09	3.97E-09	2.74E-10	5.45E-09
469	470337.88	3818961.16	1.37E-08	5.77E-08	5.19E-09	7.66E-08	1.14E-08	4.24E-08	3.73E-09	5.75E-08	1.30E-09	7.42E-09	8.86E-10	9.60E-09	1.18E-09	3.89E-09	2.68E-10	5.33E-09
470	470346.64	3818964.93	1.34E-08	5.63E-08	5.07E-09	7.48E-08	1.12E-08	4.14E-08	3.64E-09	5.62E-08	1.27E-09	7.25E-09	8.65E-10	9.38E-09	1.15E-09	3.80E-09	2.62E-10	5.21E-09
471	470355.4	3818968.69	1.31E-08	5.50E-08	4.95E-09	7.30E-08	1.09E-08	4.04E-08	3.55E-09	5.49E-08	1.24E-09	7.08E-09	8.44E-10	9.16E-09	1.12E-09	3.71E-09	2.55E-10	5.08E-09
472	470364.16	3818972.45	1.28E-08	5.36E-08	4.83E-09	7.12E-08	1.06E-08	3.94E-08	3.47E-09	5.35E-08	1.21E-09	6.90E-09	8.24E-10	8.93E-09	1.10E-09	3.61E-09	2.49E-10	4.96E-09
473	470372.93	3818976.21	1.24E-08	5.23E-08	4.71E-09	6.94E-08	1.04E-08	3.84E-08	3.38E-09	5.21E-08	1.18E-09	6.73E-09	8.03E-10	8.70E-09	1.07E-09	3.52E-09	2.43E-10	4.83E-09
474	470381.69	3818979.97	1.21E-08	5.09E-08	4.59E-09	6.76E-08	1.01E-08	3.74E-08	3.29E-09	5.08E-08	1.15E-09	6.56E-09	7.82E-10	8.48E-09	1.04E-09	3.43E-09	2.37E-10	4.71E-09
475	470390.45	3818983.73	1.18E-08	4.96E-08	4.47E-09	6.59E-08	9.84E-09	3.65E-08	3.21E-09	4.95E-08	1.12E-09	6.39E-09	7.62E-10	8.27E-09	1.01E-09	3.35E-09	2.31E-10	4.59E-09
476	470399.21	3818987.49	1.15E-08	4.83E-08	4.35E-09	6.42E-08	9.58E-09	3.55E-08	3.12E-09	4.82E-08	1.09E-09	6.22E-09	7.42E-10	8.05E-09	9.88E-10	3.26E-09	2.25E-10	4.47E-09
477	470407.97	3818991.25	1.12E-08	4.70E-08	4.23E-09	6.25E-08	9.33E-09	3.46E-08	3.04E-09	4.69E-08	1.06E-09	6.05E-09	7.22E-10	7.83E-09	9.61E-10	3.17E-09	2.19E-10	4.35E-09
478	470416.74	3818995.01	1.09E-08	4.58E-08	4.12E-09	6.08E-08	9.08E-09	3.36E-08	2.96E-09	4.57E-08	1.03E-09	5.89E-09	7.03E-10	7.63E-09	9.36E-10	3.09E-09	2.13E-10	4.23E-09
479	470425.5	3818998.77	1.06E-08	4.46E-08	4.02E-09	5.92E-08	8.85E-09	3.28E-08	2.88E-09	4.45E-08	1.00E-09	5.74E-09	6.85E-10	7.43E-09	9.12E-10	3.01E-09	2.07E-10	4.13E-09
480	470434.26	3819002.53	1.04E-08	4.35E-08	3.92E-09	5.78E-08	8.63E-09	3.20E-08	2.81E-09	4.34E-08	9.78E-10	5.60E-09	6.68E-10	7.25E-09	8.89E-10	2.93E-09	2.02E-10	4.02E-09
481	470534.77	3819126.16	1.42E-08	5.96E-08	5.37E-09	7.91E-08	1.18E-08	4.38E-08	3.85E-09	5.94E-08	1.34E-09	7.67E-09	9.15E-10	9.92E-09	1.22E-09	4.02E-09	2.77E-10	5.51E-09
482	470538.33	3819135	1.49E-08	6.24E-08	5.62E-09	8.29E-08	1.24E-08	4.59E-08	4.04E-09	6.23E-08	1.40E-09	8.04E-09	9.59E-10	1.04E-08	1.28E-09	4.21E-09	2.90E-10	5.78E-09
483	470541.89	3819143.85	1.56E-08	6.54E-08	5.89E-09	8.69E-08	1.30E-08	4.81E-08	4.23E-09	6.53E-08	1.47E-09	8.43E-09	1.01E-09	1.09E-08	1.34E-09	4.41E-09	3.04E-10	6.05E-09
484	470545.45	3819152.69	1.63E-08	6.86E-08	6.17E-09	9.11E-08	1.36E-08	5.04E-08	4.43E-09	6.84E-08	1.54E-09	8.83E-09	1.05E-09	1.14E-08	1.40E-09	4.62E-09	3.19E-10	6.34E-09
485	470549.01	3819161.54	1.71E-08	7.18E-08	6.46E-09	9.53E-08	1.42E-08	5.27E-08	4.64E-09	7.16E-08	1.61E-09	9.24E-09	1.10E-09	1.20E-08	1.47E-09	4.84E-09	3.33E-10	6.64E-09
486	470552.57	3819170.38	1.79E-08	7.50E-08	6.76E-09	9.96E-08	1.49E-08	5.51E-08	4.85E-09	7.49E-08	1.69E-09	9.66E-09	1.15E-09	1.25E-08	1.53E-09	5.06E-09	3.49E-10	6.94E-09
487	470556.13	3819179.23	1.87E-08	7.83E-08	7.05E-09	1.04E-07	1.55E-08	5.76E-08	5.06E-09	7.82E-08	1.76E-09	1.01E-08	1.20E-09	1.30E-08	1.60E-09	5.28E-09	3.64E-10	7.24E-09
488	470559.69	3819188.07	1.94E-08	8.16E-08	7.35E-09	1.08E-07	1.62E-08	6.00E-08	5.28E-09	8.15E-08	1.84E-09	1.05E-08	1.25E-09	1.36E-08	1.67E-09	5.50E-09	3.79E-10	7.55E-09
489	470563.25	3819196.92	2.02E-08	8.49E-08	7.65E-09	1.13E-07	1.68E-08	6.24E-08	5.49E-09	8.48E-08	1.91E-09	1.09E-08	1.30E-09	1.41E-08	1.74E-09	5.73E-09	3.95E-10	7.86E-09
490	470566.81	3819205.76	2.10E-08	8.82E-08	7.94E-09	1.17E-07	1.75E-08	6.48E-08	5.70E-09	8.80E-08	1.98E-09	1.14E-08	1.35E-09	1.47E-08	1.80E-09	5.95E-09	4.10E-10	8.16E-09
491	470570.38	3819214.61	2.18E-08	9.14E-08	8.23E-09	1.21E-07	1.81E-08	6.72E-08	5.91E-09	9.12E-08	2.06E-09	1.18E-08	1.40E-09	1.52E-08	1.87E-09	6.16E-09	4.25E-10	8.45E-09
492	470573.94	3819223.45	2.25E-08	9.45E-08	8.51E-09	1.25E-07	1.87E-08	6.94E-08	6.11E-09	9.43E-08	2.12E-09	1.22E-08	1.45E-09	1.57E-08	1.93E-09	6.37E-09	4.39E-10	8.74E-09
493	470577.5	3819232.3	2.32E-08	9.74E-08	8.77E-09	1.29E-07	1.93E-08	7.16E-08	6.30E-09	9.72E-08	2.19E-09	1.25E-08	1.50E-09	1.62E-08	1.99E-09	6.57E-09	4.53E-10	9.01E-09
494	470275.74	3818938.46	1.59E-08	6.68E-08	6.02E-09	8.88E-08	1.33E-08	4.91E-08	4.32E-09	6.67E-08	1.50E-09	8.60E-09	1.03E-09	1.11E-08	1.37E-09	4.50E-09	3.11E-10	6.18E-09
495	470266.18	3818938.33	1.64E-08	6.90E-08	6.21E-09	9.16E-08	1.37E-08	5.07E-08	4.46E-09	6.88E-08	1.55E-09	8.88E-09	1.06E-09	1.15E-08	1.41E-09	4.65E-09	3.20E-10	6.38E-09
496	470256.62	3818938.19	1.69E-08	7.10E-08	6.39E-09	9.43E-08	1.41E-08	5.22E-08	4.59E-09	7.08E-08	1.60E-09	9.14E-09	1.09E-09	1.18E-08	1.45E-09	4.78E-09	3.30E-10	6.56E-09
497	470247.06	3818938.06	1.74E-08	7.29E-08	6.56E-09	9.68E-08	1.45E-08	5.35E-08	4.71E-09	7.27E-08	1.64E-09	9.38E-09	1.12E-09	1.21E-08	1.49E-09	4.91E-09	3.39E-10	6.74E-09
498	470237.49	3818937.92	1.78E-08	7.46E-08	6.72E-09	9.91E-08	1.48E-08	5.48E-08	4.82E-09	7.45E-08	1.68E-09	9.61E-09	1.15E-09	1.24E-08	1.53E-09	5.03E-09	3.47E-10	6.90E-09
499	470227.93	3818937.79	1.81E-08	7.62E-08	6.86E-09	1.01E-07	1.51E-08	5.60E-08	4.92E-09	7.60E-08	1.71E-09	9.81E-09	1.17E-09	1.27E-08	1.56E-09	5.14E-09	3.54E-10	7.05E-09
500	470218.37	3818937.65	1.85E-08	7.75E-08	6.98E-09	1.03E-07	1.54E-08	5.70E-08	5.01E-09	7.74E-08	1.74E-09	9.98E-09	1.19E-09	1.29E-08	1.59E-09	5.23E-09	3.60E-10	7.17E-09
501	470208.81	3818937.52	1.87E-08	7.87E-08	7.09E-09	1.05E-07	1.56E-08	5.78E-08	5.09E-09	7.85E-08	1.77E-09	1.01E-08	1.21E-09	1.31E-08	1.61E-09	5.30E-09	3.66E-10	7.28E-09
502	470199.24	3818937.38	1.90E-08	7.96E-08	7.17E-09	1.06E-07	1.58E-08	5.85E-08	5.14E-09	7.94E-08	1.79E-09	1.02E-08	1.22E-09	1.33E-08	1.63E-09	5.36E-09	3.70E-10	7.36E-09
503	470189.68	3818937.25	1.91E-08	8.02E-08	7.23E-09	1.07E-07	1.59E-08	5.90E-08	5.19E-09	8.01E-08	1.80E-09	1.03E-08	1.23E-09	1.34E-08	1.64E-09	5.41E-09	3.73E-10	7.42E-09
504	470161	3818936.84	1.92E-08	8.07E-08	7.26E-09	1.07E-07	1.60E-08	5.93E-08	5.21E-09	8.05E-08	1.81E-09	1.04E-08	1.24E-09	1.34E-08	1.65E-09	5.44E-09	3.75E-10	7.46E-09
505	470151.43	3818936.71	1.91E-08	8.03E-08	7.23E-09	1.07E-07	1.59E-08	5.90E-08	5.19E-09	8.01E-08	1.81E-09	1.03E-08	1.23E-09	1.34E-08	1.64E-09	5.41E-09	3.73E-10	7.43E-09
506	470141.87	3818936.57	1.90E-08	7.97E-08	7.17E-09	1.06E-07	1.58E-08	5.85E-08	5.15E-09	7.95E-08	1.79E-09	1.03E-08	1.22E-09	1.33E-08	1.63E-09	5.37E-09	3.70E-10	7.37E-09

507	470132.31	3818936.44	1.88E-08	7.88E-08	7.10E-09	1.05E-07	1.56E-08	5.79E-08	5.09E-09	7.86E-08	1.77E-09	1.01E-08	1.21E-09	1.31E-08	1.61E-09	5.31E-09	3.66E-10	7.29E-09
508	470122.75	3818936.3	1.85E-08	7.78E-08	7.00E-09	1.03E-07	1.54E-08	5.71E-08	5.03E-09	7.76E-08	1.75E-09	1.00E-08	1.19E-09	1.30E-08	1.59E-09	5.24E-09	3.61E-10	7.19E-09
509	470113.18	3818936.17	1.82E-08	7.65E-08	6.89E-09	1.02E-07	1.52E-08	5.62E-08	4.95E-09	7.64E-08	1.72E-09	9.85E-09	1.18E-09	1.27E-08	1.56E-09	5.16E-09	3.56E-10	7.08E-09
510	470319.92	3818913.22	1.20E-08	5.04E-08	4.54E-09	6.69E-08	1.00E-08	3.70E-08	3.26E-09	5.03E-08	1.13E-09	6.49E-09	7.74E-10	8.39E-09	1.03E-09	3.40E-09	2.34E-10	4.66E-09
511	470328.43	3818916.87	1.18E-08	4.95E-08	4.45E-09	6.57E-08	9.81E-09	3.63E-08	3.20E-09	4.94E-08	1.11E-09	6.37E-09	7.60E-10	8.24E-09	1.01E-09	3.33E-09	2.30E-10	4.58E-09
512	470336.94	3818920.52	1.15E-08	4.85E-08	4.37E-09	6.44E-08	9.62E-09	3.56E-08	3.13E-09	4.84E-08	1.09E-09	6.24E-09	7.45E-10	8.08E-09	9.91E-10	3.27E-09	2.25E-10	4.49E-09
513	470345.45	3818924.18	1.13E-08	4.75E-08	4.28E-09	6.31E-08	9.42E-09	3.49E-08	3.07E-09	4.74E-08	1.07E-09	6.11E-09	7.29E-10	7.91E-09	9.71E-10	3.20E-09	2.21E-10	4.39E-09
514	470353.96	3818927.83	1.11E-08	4.65E-08	4.18E-09	6.17E-08	9.21E-09	3.41E-08	3.00E-09	4.63E-08	1.04E-09	5.98E-09	7.13E-10	7.74E-09	9.50E-10	3.13E-09	2.16E-10	4.30E-09
515	470362.48	3818931.48	1.08E-08	4.54E-08	4.09E-09	6.03E-08	9.00E-09	3.34E-08	2.93E-09	4.53E-08	1.02E-09	5.84E-09	6.97E-10	7.56E-09	9.28E-10	3.06E-09	2.11E-10	4.20E-09
516	470370.99	3818935.14	1.06E-08	4.43E-08	3.99E-09	5.89E-08	8.79E-09	3.26E-08	2.87E-09	4.42E-08	9.97E-10	5.71E-09	6.81E-10	7.38E-09	9.06E-10	2.99E-09	2.06E-10	4.10E-09
517	470379.5	3818938.79	1.03E-08	4.33E-08	3.90E-09	5.75E-08	8.58E-09	3.18E-08	2.80E-09	4.32E-08	9.73E-10	5.57E-09	6.65E-10	7.21E-09	8.84E-10	2.92E-09	2.01E-10	4.00E-09
518	470388.01	3818942.44	1.01E-08	4.23E-08	3.81E-09	5.61E-08	8.38E-09	3.11E-08	2.73E-09	4.22E-08	9.50E-10	5.44E-09	6.49E-10	7.04E-09	8.64E-10	2.85E-09	1.96E-10	3.91E-09
519	470396.52	3818946.1	9.84E-09	4.13E-08	3.72E-09	5.49E-08	8.19E-09	3.04E-08	2.67E-09	4.12E-08	9.29E-10	5.32E-09	6.34E-10	6.88E-09	8.44E-10	2.78E-09	1.92E-10	3.82E-09
520	470405.03	3818949.75	9.62E-09	4.04E-08	3.64E-09	5.37E-08	8.01E-09	2.97E-08	2.61E-09	4.03E-08	9.08E-10	5.20E-09	6.21E-10	6.73E-09	8.26E-10	2.72E-09	1.88E-10	3.74E-09
521	470413.55	3818953.4	9.41E-09	3.95E-08	3.56E-09	5.25E-08	7.84E-09	2.90E-08	2.55E-09	3.94E-08	8.88E-10	5.09E-09	6.07E-10	6.58E-09	8.08E-10	2.66E-09	1.84E-10	3.65E-09
522	470422.06	3818957.06	9.18E-09	3.86E-08	3.47E-09	5.12E-08	7.65E-09	2.83E-08	2.49E-09	3.85E-08	8.67E-10	4.97E-09	5.92E-10	6.43E-09	7.88E-10	2.60E-09	1.79E-10	3.57E-09
523	470551.87	3819069.64	9.52E-09	4.00E-08	3.60E-09	5.31E-08	7.93E-09	2.94E-08	2.58E-09	3.99E-08	8.99E-10	5.15E-09	6.14E-10	6.66E-09	8.17E-10	2.70E-09	1.86E-10	3.70E-09
524	470555.33	3819078.23	9.91E-09	4.16E-08	3.75E-09	5.53E-08	8.25E-09	3.06E-08	2.69E-09	4.15E-08	9.36E-10	5.36E-09	6.39E-10	6.93E-09	8.51E-10	2.80E-09	1.93E-10	3.85E-09
525	470558.79	3819086.82	1.03E-08	4.34E-08	3.90E-09	5.76E-08	8.60E-09	3.19E-08	2.80E-09	4.33E-08	9.75E-10	5.58E-09	6.66E-10	7.22E-09	8.86E-10	2.92E-09	2.01E-10	4.01E-09
526	470562.25	3819095.41	1.08E-08	4.52E-08	4.07E-09	6.01E-08	8.97E-09	3.32E-08	2.92E-09	4.51E-08	1.02E-09	5.82E-09	6.95E-10	7.53E-09	9.24E-10	3.05E-09	2.10E-10	4.18E-09
527	470565.71	3819104.01	1.12E-08	4.72E-08	4.25E-09	6.27E-08	9.36E-09	3.47E-08	3.05E-09	4.71E-08	1.06E-09	6.07E-09	7.25E-10	7.86E-09	9.65E-10	3.18E-09	2.19E-10	4.36E-09
528	470569.17	3819112.6	1.17E-08	4.93E-08	4.44E-09	6.54E-08	9.77E-09	3.62E-08	3.18E-09	4.91E-08	1.11E-09	6.34E-09	7.56E-10	8.20E-09	1.01E-09	3.32E-09	2.29E-10	4.56E-09
529	470572.63	3819121.19	1.22E-08	5.14E-08	4.63E-09	6.83E-08	1.02E-08	3.78E-08	3.32E-09	5.13E-08	1.16E-09	6.62E-09	7.90E-10	8.56E-09	1.05E-09	3.47E-09	2.39E-10	4.75E-09
530	470576.09	3819129.78	1.28E-08	5.37E-08	4.83E-09	7.13E-08	1.06E-08	3.94E-08	3.47E-09	5.35E-08	1.21E-09	6.91E-09	8.24E-10	8.94E-09	1.10E-09	3.62E-09	2.49E-10	4.96E-09
531	470579.55	3819138.38	1.33E-08	5.60E-08	5.04E-09	7.44E-08	1.11E-08	4.11E-08	3.62E-09	5.59E-08	1.26E-09	7.21E-09	8.60E-10	9.33E-09	1.14E-09	3.77E-09	2.60E-10	5.18E-09
532	470583.01	3819146.97	1.39E-08	5.84E-08	5.26E-09	7.75E-08	1.16E-08	4.29E-08	3.77E-09	5.82E-08	1.31E-09	7.51E-09	8.97E-10	9.72E-09	1.19E-09	3.93E-09	2.71E-10	5.40E-09
533	470586.46	3819155.56	1.45E-08	6.08E-08	5.48E-09	8.08E-08	1.21E-08	4.47E-08	3.93E-09	6.07E-08	1.37E-09	7.83E-09	9.34E-10	1.01E-08	1.24E-09	4.10E-09	2.83E-10	5.63E-09
534	470589.92	3819164.15	1.51E-08	6.33E-08	5.70E-09	8.41E-08	1.26E-08	4.65E-08	4.09E-09	6.32E-08	1.42E-09	8.15E-09	9.72E-10	1.05E-08	1.29E-09	4.27E-09	2.94E-10	5.86E-09
535	470593.38	3819172.75	1.57E-08	6.58E-08	5.93E-09	8.74E-08	1.31E-08	4.84E-08	4.25E-09	6.57E-08	1.48E-09	8.47E-09	1.01E-09	1.10E-08	1.35E-09	4.44E-09	3.06E-10	6.09E-09
536	470596.84	3819181.34	1.63E-08	6.83E-08	6.15E-09	9.07E-08	1.36E-08	5.02E-08	4.42E-09	6.82E-08	1.54E-09	8.79E-09	1.05E-09	1.14E-08	1.40E-09	4.60E-09	3.17E-10	6.32E-09
537	470276.31	3818898.47	1.31E-08	5.48E-08	4.94E-09	7.28E-08	1.09E-08	4.03E-08	3.54E-09	5.47E-08	1.23E-09	7.06E-09	8.42E-10	9.13E-09	1.12E-09	3.70E-09	2.55E-10	5.07E-09
538	470266.75	3818898.33	1.34E-08	5.64E-08	5.08E-09	7.49E-08	1.12E-08	4.14E-08	3.65E-09	5.63E-08	1.27E-09	7.26E-09	8.66E-10	9.40E-09	1.15E-09	3.80E-09	2.62E-10	5.22E-09
539	470257.18	3818898.2	1.38E-08	5.79E-08	5.22E-09	7.69E-08	1.15E-08	4.26E-08	3.74E-09	5.78E-08	1.30E-09	7.45E-09	8.89E-10	9.65E-09	1.18E-09	3.90E-09	2.69E-10	5.36E-09
540	470247.62	3818898.06	1.41E-08	5.93E-08	5.34E-09	7.88E-08	1.18E-08	4.36E-08	3.83E-09	5.92E-08	1.33E-09	7.64E-09	9.11E-10	9.88E-09	1.21E-09	4.00E-09	2.76E-10	5.49E-09
541	470238.06	3818897.93	1.44E-08	6.06E-08	5.46E-09	8.05E-08	1.20E-08	4.45E-08	3.92E-09	6.05E-08	1.36E-09	7.80E-09	9.31E-10	1.01E-08	1.24E-09	4.09E-09	2.82E-10	5.61E-09
542	470228.5	3818897.79	1.47E-08	6.18E-08	5.57E-09	8.21E-08	1.23E-08	4.54E-08	4.00E-09	6.17E-08	1.39E-09	7.96E-09	9.49E-10	1.03E-08	1.26E-09	4.17E-09	2.87E-10	5.72E-09
543	470218.93	3818897.66	1.50E-08	6.28E-08	5.66E-09	8.35E-08	1.25E-08	4.62E-08	4.06E-09	6.27E-08	1.41E-09	8.09E-09	9.65E-10	1.05E-08	1.28E-09	4.24E-09	2.92E-10	5.81E-09
544	470209.37	3818897.52	1.52E-08	6.37E-08	5.74E-09	8.46E-08	1.26E-08	4.68E-08	4.12E-09	6.36E-08	1.43E-09	8.20E-09	9.79E-10	1.06E-08	1.30E-09	4.29E-09	2.96E-10	5.89E-09
545	470199.81	3818897.39	1.53E-08	6.44E-08	5.80E-09	8.56E-08	1.28E-08	4.73E-08	4.16E-09	6.43E-08	1.45E-09	8.29E-09	9.90E-10	1.07E-08	1.32E-09	4.34E-09	2.99E-10	5.96E-09
546	470190.25	3818897.25	1.55E-08	6.50E-08	5.85E-09	8.63E-08	1.29E-08	4.77E-08	4.20E-09	6.48E-08	1.46E-09	8.36E-09	9.98E-10	1.08E-08	1.33E-09	4.38E-09	3.02E-10	6.01E-09
547	470161.56	3818896.85	1.56E-08	6.55E-08	5.90E-09	8.69E-08	1.30E-08	4.81E-08	4.23E-09	6.53E-08	1.47E-09	8.43E-09	1.01E-09	1.09E-08	1.34E-09	4.41E-09	3.04E-10	6.05E-09
548	470152	3818896.71	1.55E-08	6.53E-08	5.88E-09	8.67E-08	1.29E-08	4.80E-08	4.22E-09	6.51E-08	1.47E-09	8.40E-09	1.00E-09	1.09E-08	1.33E-09	4.40E-09	3.03E-10	6.04E-09
549	470142.44	3818896.58	1.55E-08	6.49E-08	5.84E-09	8.62E-08	1.29E-08	4.77E-08	4.19E-09	6.47E-08	1.46E-09	8.35E-09	9.97E-10	1.08E-08	1.33E-09	4.37E-09	3.01E-10	6.00E-09
550	470132.87	3818896.44	1.53E-08	6.43E-08	5.79E-09	8.54E-08	1.28E-08	4.73E-08	4.16E-09	6.42E-08	1.45E-09	8.28E-09	9.88E-10	1.07E-08	1.32E-09	4.34E-09	2.99E-10	5.95E-09
551	470123.31	3818896.31	1.52E-08	6.36E-08	5.73E-09	8.45E-08	1.26E-08	4.68E-08	4.11E-09	6.35E-08	1.43E-09	8.19E-09	9.78E-10	1.06E-08	1.30E-09	4.29E-09	2.96E-10	5.89E-09
552	470113.75	3818896.17	1.50E-08	6.28E-08	5.66E-09	8.34E-08	1.25E-08	4.62E-08	4.06E-09	6.27E-08	1.41E-09	8.09E-09	9.65E-10	1.05E-08	1.28E-09	4.23E-09	2.92E-10	5.81E-09
553	470320.8	3818873.36	1.01E-08	4.24E-08	3.82E-09	5.63E-08	8.41E-09	3.12E-08	2.74E-09	4.23E-08	9.53E-10	5.46E-09	6.51E-10	7.06E-09	8.67E-10	2.86E-09	1.97E-10	3.92E-09
554	470329.4	3818877.05	9.94E-09	4.17E-08	3.76E-09	5.54E-08	8.28E-09	3.07E-08	2.70E-09	4.16E-08	9.38E-10	5.37E-09	6.41E-10	6.95E-09	8.53E-10	2.81E-09	1.94E-10	3.86E-09
555	470337.99	3818880.74	9.77E-09	4.10E-08	3.69E-09	5.45E-08	8.14E-09	3.01E-08	2.65E-09	4.09E-08	9.22E-10	5.28E-09	6.30E-10	6.83E-09	8.38E-10	2.76E-09	1.91E-10	3.79E-09
556	470346.58	3818884.42	9.59E-09	4.03E-08	3.63E-09	5.35E-08	7.99E-09	2.96E-08	2.60E-09	4.02E-08	9.06E-10	5.18E-09	6.19E-10	6.71E-09	8.23E-10	2.71E-09	1.87E-10	3.73E-09
557	470355.17	3818888.11	9.41E-09	3.95E-08	3.56E-09	5.25E-08	7.84E-09	2.90E-08	2.56E-09	3.94E-08	8.89E-10	5.09E-09	6.07E-10	6.58E-09	8.08E-10	2.66E-09	1.84E-10	3.66E-09

558	470363.77	3818891.8	9.23E-09	3.88E-08	3.49E-09	5.15E-08	7.69E-09	2.85E-08	2.51E-09	3.87E-08	8.72E-10	4.99E-09	5.95E-10	6.46E-09	7.92E-10	2.61E-09	1.80E-10	3.58E-09
559	470372.36	3818895.49	9.04E-09	3.80E-08	3.42E-09	5.04E-08	7.53E-09	2.79E-08	2.45E-09	3.79E-08	8.53E-10	4.89E-09	5.83E-10	6.32E-09	7.76E-10	2.56E-09	1.76E-10	3.51E-09
560	470380.95	3818899.18	8.84E-09	3.71E-08	3.34E-09	4.93E-08	7.36E-09	2.73E-08	2.40E-09	3.70E-08	8.35E-10	4.78E-09	5.70E-10	6.18E-09	7.59E-10	2.50E-09	1.72E-10	3.43E-09
561	470389.54	3818902.86	8.64E-09	3.63E-08	3.27E-09	4.82E-08	7.20E-09	2.67E-08	2.35E-09	3.62E-08	8.16E-10	4.67E-09	5.57E-10	6.04E-09	7.42E-10	2.45E-09	1.69E-10	3.36E-09
562	470398.14	3818906.55	8.44E-09	3.54E-08	3.19E-09	4.71E-08	7.03E-09	2.60E-08	2.29E-09	3.54E-08	7.97E-10	4.56E-09	5.44E-10	5.90E-09	7.24E-10	2.39E-09	1.65E-10	3.28E-09
563	470406.73	3818910.24	8.24E-09	3.46E-08	3.12E-09	4.60E-08	6.86E-09	2.54E-08	2.24E-09	3.45E-08	7.78E-10	4.45E-09	5.31E-10	5.76E-09	7.07E-10	2.33E-09	1.61E-10	3.20E-09
564	470415.32	3818913.93	8.06E-09	3.38E-08	3.05E-09	4.49E-08	6.71E-09	2.49E-08	2.19E-09	3.38E-08	7.61E-10	4.36E-09	5.20E-10	5.64E-09	6.92E-10	2.28E-09	1.57E-10	3.13E-09
565	470580.74	3819042.33	7.61E-09	3.20E-08	2.88E-09	4.25E-08	6.34E-09	2.35E-08	2.07E-09	3.19E-08	7.19E-10	4.12E-09	4.91E-10	5.33E-09	6.54E-10	2.16E-09	1.49E-10	2.96E-09
566	470584.23	3819051	7.90E-09	3.32E-08	2.99E-09	4.41E-08	6.58E-09	2.44E-08	2.14E-09	3.31E-08	7.46E-10	4.27E-09	5.10E-10	5.53E-09	6.78E-10	2.24E-09	1.54E-10	3.07E-09
567	470587.72	3819059.67	8.21E-09	3.45E-08	3.10E-09	4.58E-08	6.84E-09	2.53E-08	2.23E-09	3.44E-08	7.75E-10	4.44E-09	5.29E-10	5.74E-09	7.05E-10	2.32E-09	1.60E-10	3.19E-09
568	470591.21	3819068.35	8.54E-09	3.58E-08	3.23E-09	4.76E-08	7.11E-09	2.63E-08	2.32E-09	3.58E-08	8.06E-10	4.61E-09	5.51E-10	5.97E-09	7.33E-10	2.42E-09	1.67E-10	3.32E-09
569	470594.71	3819077.02	8.88E-09	3.73E-08	3.36E-09	4.96E-08	7.40E-09	2.74E-08	2.41E-09	3.72E-08	8.39E-10	4.80E-09	5.73E-10	6.21E-09	7.63E-10	2.51E-09	1.73E-10	3.45E-09
570	470598.2	3819085.7	9.25E-09	3.88E-08	3.50E-09	5.16E-08	7.70E-09	2.85E-08	2.51E-09	3.88E-08	8.73E-10	5.00E-09	5.97E-10	6.47E-09	7.94E-10	2.62E-09	1.80E-10	3.59E-09
571	470601.69	3819094.37	9.63E-09	4.04E-08	3.64E-09	5.37E-08	8.02E-09	2.97E-08	2.61E-09	4.04E-08	9.09E-10	5.21E-09	6.21E-10	6.74E-09	8.27E-10	2.73E-09	1.88E-10	3.74E-09
572	470605.18	3819103.04	1.00E-08	4.21E-08	3.79E-09	5.59E-08	8.36E-09	3.10E-08	2.72E-09	4.20E-08	9.47E-10	5.42E-09	6.47E-10	7.02E-09	8.61E-10	2.84E-09	1.96E-10	3.90E-09
573	470608.67	3819111.72	1.05E-08	4.39E-08	3.95E-09	5.83E-08	8.70E-09	3.22E-08	2.84E-09	4.38E-08	9.87E-10	5.65E-09	6.74E-10	7.31E-09	8.97E-10	2.96E-09	2.04E-10	4.06E-09
574	470612.17	3819120.39	1.09E-08	4.57E-08	4.12E-09	6.07E-08	9.07E-09	3.36E-08	2.96E-09	4.56E-08	1.03E-09	5.88E-09	7.02E-10	7.61E-09	9.35E-10	3.08E-09	2.12E-10	4.23E-09
575	470615.66	3819129.07	1.13E-08	4.76E-08	4.29E-09	6.32E-08	9.44E-09	3.50E-08	3.08E-09	4.75E-08	1.07E-09	6.13E-09	7.31E-10	7.93E-09	9.73E-10	3.21E-09	2.21E-10	4.40E-09
576	470619.15	3819137.74	1.18E-08	4.95E-08	4.46E-09	6.58E-08	9.83E-09	3.64E-08	3.20E-09	4.94E-08	1.11E-09	6.38E-09	7.61E-10	8.25E-09	1.01E-09	3.34E-09	2.30E-10	4.58E-09
577	470622.64	3819146.41	1.23E-08	5.15E-08	4.64E-09	6.84E-08	1.02E-08	3.78E-08	3.33E-09	5.14E-08	1.16E-09	6.63E-09	7.91E-10	8.58E-09	1.05E-09	3.47E-09	2.39E-10	4.76E-09
578	470626.14	3819155.09	1.27E-08	5.35E-08	4.82E-09	7.10E-08	1.06E-08	3.93E-08	3.46E-09	5.34E-08	1.20E-09	6.88E-09	8.21E-10	8.91E-09	1.09E-09	3.60E-09	2.48E-10	4.95E-09
579	470629.63	3819163.76	1.32E-08	5.55E-08	5.00E-09	7.37E-08	1.10E-08	4.08E-08	3.59E-09	5.54E-08	1.25E-09	7.14E-09	8.52E-10	9.24E-09	1.13E-09	3.74E-09	2.58E-10	5.13E-09
580	470633.12	3819172.44	1.37E-08	5.75E-08	5.18E-09	7.64E-08	1.14E-08	4.22E-08	3.72E-09	5.74E-08	1.29E-09	7.40E-09	8.83E-10	9.58E-09	1.18E-09	3.88E-09	2.67E-10	5.32E-09
581	470636.61	3819181.11	1.42E-08	5.95E-08	5.36E-09	7.90E-08	1.18E-08	4.37E-08	3.85E-09	5.94E-08	1.34E-09	7.66E-09	9.14E-10	9.91E-09	1.22E-09	4.01E-09	2.76E-10	5.50E-09
582	470640.1	3819189.78	1.46E-08	6.15E-08	5.54E-09	8.17E-08	1.22E-08	4.52E-08	3.97E-09	6.13E-08	1.38E-09	7.91E-09	9.44E-10	1.02E-08	1.26E-09	4.14E-09	2.86E-10	5.69E-09
583	470643.6	3819198.46	1.51E-08	6.34E-08	5.71E-09	8.42E-08	1.26E-08	4.66E-08	4.10E-09	6.33E-08	1.43E-09	8.16E-09	9.74E-10	1.06E-08	1.30E-09	4.27E-09	2.95E-10	5.87E-09
584	470647.09	3819207.13	1.56E-08	6.53E-08	5.88E-09	8.67E-08	1.30E-08	4.80E-08	4.22E-09	6.52E-08	1.47E-09	8.41E-09	1.00E-09	1.09E-08	1.34E-09	4.40E-09	3.03E-10	6.04E-09
585	470650.58	3819215.81	1.60E-08	6.71E-08	6.05E-09	8.92E-08	1.33E-08	4.93E-08	4.34E-09	6.70E-08	1.51E-09	8.64E-09	1.03E-09	1.12E-08	1.37E-09	4.53E-09	3.12E-10	6.21E-09
586	470654.07	3819224.48	1.64E-08	6.89E-08	6.20E-09	9.15E-08	1.37E-08	5.06E-08	4.45E-09	6.87E-08	1.55E-09	8.87E-09	1.06E-09	1.15E-08	1.41E-09	4.64E-09	3.20E-10	6.37E-09
587	470276.87	3818858.47	1.09E-08	4.60E-08	4.14E-09	6.11E-08	9.12E-09	3.38E-08	2.97E-09	4.59E-08	1.03E-09	5.92E-09	7.06E-10	7.66E-09	9.40E-10	3.10E-09	2.14E-10	4.25E-09
588	470267.31	3818858.34	1.12E-08	4.72E-08	4.25E-09	6.27E-08	9.36E-09	3.47E-08	3.05E-09	4.71E-08	1.06E-09	6.07E-09	7.25E-10	7.86E-09	9.65E-10	3.18E-09	2.19E-10	4.36E-09
589	470257.75	3818858.2	1.15E-08	4.83E-08	4.35E-09	6.42E-08	9.59E-09	3.55E-08	3.13E-09	4.82E-08	1.09E-09	6.22E-09	7.43E-10	8.05E-09	9.88E-10	3.26E-09	2.25E-10	4.47E-09
590	470248.19	3818858.07	1.18E-08	4.94E-08	4.45E-09	6.57E-08	9.80E-09	3.63E-08	3.20E-09	4.93E-08	1.11E-09	6.36E-09	7.59E-10	8.23E-09	1.01E-09	3.33E-09	2.30E-10	4.57E-09
591	470238.62	3818857.93	1.20E-08	5.04E-08	4.54E-09	6.70E-08	1.00E-08	3.71E-08	3.26E-09	5.03E-08	1.13E-09	6.49E-09	7.75E-10	8.40E-09	1.03E-09	3.40E-09	2.34E-10	4.66E-09
592	470229.06	3818857.8	1.22E-08	5.14E-08	4.62E-09	6.82E-08	1.02E-08	3.77E-08	3.32E-09	5.12E-08	1.15E-09	6.61E-09	7.89E-10	8.55E-09	1.05E-09	3.46E-09	2.39E-10	4.75E-09
593	470219.5	3818857.66	1.24E-08	5.22E-08	4.70E-09	6.93E-08	1.03E-08	3.83E-08	3.37E-09	5.20E-08	1.17E-09	6.71E-09	8.01E-10	8.69E-09	1.07E-09	3.52E-09	2.42E-10	4.82E-09
594	470209.94	3818857.53	1.26E-08	5.28E-08	4.76E-09	7.02E-08	1.05E-08	3.88E-08	3.42E-09	5.27E-08	1.19E-09	6.80E-09	8.12E-10	8.80E-09	1.08E-09	3.56E-09	2.46E-10	4.89E-09
595	470200.37	3818857.39	1.27E-08	5.34E-08	4.81E-09	7.09E-08	1.06E-08	3.93E-08	3.45E-09	5.33E-08	1.20E-09	6.88E-09	8.20E-10	8.90E-09	1.09E-09	3.60E-09	2.48E-10	4.94E-09
596	470190.81	3818857.26	1.28E-08	5.39E-08	4.85E-09	7.15E-08	1.07E-08	3.96E-08	3.48E-09	5.37E-08	1.21E-09	6.93E-09	8.27E-10	8.97E-09	1.10E-09	3.63E-09	2.50E-10	4.98E-09
597	470162.13	3818856.85	1.29E-08	5.44E-08	4.90E-09	7.22E-08	1.08E-08	4.00E-08	3.51E-09	5.43E-08	1.22E-09	7.00E-09	8.35E-10	9.06E-09	1.11E-09	3.66E-09	2.53E-10	5.03E-09
598	470152.56	3818856.72	1.29E-08	5.43E-08	4.89E-09	7.21E-08	1.08E-08	3.99E-08	3.51E-09	5.42E-08	1.22E-09	6.99E-09	8.34E-10	9.04E-09	1.11E-09	3.66E-09	2.52E-10	5.02E-09
599	470143	3818856.58	1.29E-08	5.40E-08	4.87E-09	7.18E-08	1.07E-08	3.97E-08	3.49E-09	5.39E-08	1.22E-09	6.96E-09	8.30E-10	9.00E-09	1.10E-09	3.64E-09	2.51E-10	5.00E-09
600	470133.44	3818856.45	1.28E-08	5.37E-08	4.83E-09	7.13E-08	1.06E-08	3.94E-08	3.47E-09	5.36E-08	1.21E-09	6.91E-09	8.25E-10	8.94E-09	1.10E-09	3.62E-09	2.49E-10	4.97E-09
601	470123.88	3818856.31	1.27E-08	5.32E-08	4.79E-09	7.07E-08	1.06E-08	3.91E-08	3.44E-09	5.31E-08	1.20E-09	6.85E-09	8.17E-10	8.86E-09	1.09E-09	3.59E-09	2.47E-10	4.92E-09
602	470114.31	3818856.18	1.25E-08	5.26E-08	4.74E-09	6.99E-08	1.04E-08	3.87E-08	3.40E-09	5.25E-08	1.18E-09	6.78E-09	8.08E-10	8.77E-09	1.08E-09	3.55E-09	2.45E-10	4.87E-09
603	470312.98	3818829.76	8.76E-09	3.68E-08	3.31E-09	4.88E-08	7.29E-09	2.70E-08	2.38E-09	3.67E-08	8.27E-10	4.73E-09	5.65E-10	6.13E-09	7.52E-10	2.48E-09	1.71E-10	3.40E-09
604	470321.64	3818833.48	8.63E-09	3.63E-08	3.26E-09	4.81E-08	7.19E-09	2.66E-08	2.34E-09	3.62E-08	8.15E-10	4.67E-09	5.57E-10	6.04E-09	7.41E-10	2.44E-09	1.68E-10	3.35E-09
605	470330.29	3818837.19	8.50E-09	3.57E-08	3.21E-09	4.74E-08	7.08E-09	2.62E-08	2.31E-09	3.56E-08	8.03E-10	4.60E-09	5.48E-10	5.95E-09	7.30E-10	2.41E-09	1.66E-10	3.30E-09
606	470338.95	3818840.91	8.36E-09	3.51E-08	3.16E-09	4.66E-08	6.96E-09	2.58E-08	2.27E-09	3.50E-08	7.90E-10	4.52E-09	5.39E-10	5.85E-09	7.18E-10	2.37E-09	1.63E-10	3.25E-09
607	470347.61	3818844.63	8.22E-09	3.45E-08	3.11E-09	4.58E-08	6.84E-09	2.54E-08	2.23E-09	3.44E-08	7.76E-10	4.44E-09	5.30E-10	5.75E-09	7.05E-10	2.33E-09	1.60E-10	3.19E-09
608	470356.27	3818848.34	8.08E-09	3.39E-08	3.06E-09	4.51E-08	6.73E-09	2.49E-08	2.19E-09	3.39E-08	7.63E-10	4.37E-09	5.21E-10	5.65E-09	6.94E-10	2.29E-09	1.58E-10	3.14E-09

609	470364.93	3818852.06	7.94E-09	3.34E-08	3.00E-09	4.43E-08	6.62E-09	2.45E-08	2.16E-09	3.33E-08	7.50E-10	4.29E-09	5.12E-10	5.56E-09	6.82E-10	2.25E-09	1.55E-10	3.09E-09
610	470373.59	3818855.78	7.81E-09	3.28E-08	2.95E-09	4.35E-08	6.50E-09	2.41E-08	2.12E-09	3.27E-08	7.37E-10	4.22E-09	5.03E-10	5.46E-09	6.70E-10	2.21E-09	1.52E-10	3.03E-09
611	470382.25	3818859.49	7.66E-09	3.22E-08	2.90E-09	4.27E-08	6.38E-09	2.36E-08	2.08E-09	3.21E-08	7.23E-10	4.14E-09	4.94E-10	5.36E-09	6.58E-10	2.17E-09	1.49E-10	2.98E-09
612	470390.91	3818863.21	7.50E-09	3.15E-08	2.84E-09	4.18E-08	6.25E-09	2.31E-08	2.04E-09	3.14E-08	7.08E-10	4.06E-09	4.84E-10	5.25E-09	6.44E-10	2.12E-09	1.46E-10	2.91E-09
613	470399.57	3818866.93	7.34E-09	3.08E-08	2.78E-09	4.10E-08	6.12E-09	2.27E-08	1.99E-09	3.08E-08	6.93E-10	3.97E-09	4.74E-10	5.14E-09	6.30E-10	2.08E-09	1.43E-10	2.85E-09
614	470609.56	3819014.9	6.21E-09	2.61E-08	2.35E-09	3.47E-08	5.17E-09	1.92E-08	1.69E-09	2.60E-08	5.87E-10	3.36E-09	4.01E-10	4.35E-09	5.33E-10	1.76E-09	1.21E-10	2.41E-09
615	470613.08	3819023.64	6.43E-09	2.70E-08	2.43E-09	3.58E-08	5.35E-09	1.98E-08	1.74E-09	2.69E-08	6.07E-10	3.47E-09	4.15E-10	4.50E-09	5.52E-10	1.82E-09	1.25E-10	2.50E-09
616	470616.6	3819032.38	6.66E-09	2.79E-08	2.52E-09	3.71E-08	5.54E-09	2.05E-08	1.81E-09	2.79E-08	6.28E-10	3.60E-09	4.29E-10	4.66E-09	5.71E-10	1.88E-09	1.30E-10	2.59E-09
617	470620.12	3819041.13	6.90E-09	2.90E-08	2.61E-09	3.85E-08	5.75E-09	2.13E-08	1.87E-09	2.89E-08	6.51E-10	3.73E-09	4.45E-10	4.83E-09	5.92E-10	1.95E-09	1.35E-10	2.68E-09
618	470623.63	3819049.87	7.16E-09	3.01E-08	2.71E-09	3.99E-08	5.96E-09	2.21E-08	1.94E-09	3.00E-08	6.76E-10	3.87E-09	4.62E-10	5.01E-09	6.15E-10	2.03E-09	1.40E-10	2.78E-09
619	470627.15	3819058.61	7.44E-09	3.12E-08	2.81E-09	4.15E-08	6.20E-09	2.30E-08	2.02E-09	3.12E-08	7.03E-10	4.02E-09	4.80E-10	5.20E-09	6.39E-10	2.11E-09	1.45E-10	2.89E-09
620	470630.67	3819067.35	7.73E-09	3.25E-08	2.92E-09	4.31E-08	6.44E-09	2.39E-08	2.10E-09	3.24E-08	7.30E-10	4.18E-09	4.99E-10	5.41E-09	6.64E-10	2.19E-09	1.51E-10	3.00E-09
621	470634.19	3819076.09	8.04E-09	3.38E-08	3.04E-09	4.48E-08	6.70E-09	2.48E-08	2.18E-09	3.37E-08	7.59E-10	4.35E-09	5.19E-10	5.62E-09	6.90E-10	2.28E-09	1.57E-10	3.12E-09
622	470637.71	3819084.83	8.36E-09	3.51E-08	3.16E-09	4.66E-08	6.96E-09	2.58E-08	2.27E-09	3.50E-08	7.89E-10	4.52E-09	5.39E-10	5.85E-09	7.18E-10	2.37E-09	1.63E-10	3.25E-09
623	470641.23	3819093.57	8.69E-09	3.65E-08	3.29E-09	4.85E-08	7.24E-09	2.68E-08	2.36E-09	3.64E-08	8.21E-10	4.70E-09	5.60E-10	6.08E-09	7.46E-10	2.46E-09	1.70E-10	3.38E-09
624	470644.75	3819102.31	9.03E-09	3.79E-08	3.42E-09	5.04E-08	7.52E-09	2.79E-08	2.45E-09	3.78E-08	8.53E-10	4.88E-09	5.83E-10	6.32E-09	7.75E-10	2.56E-09	1.76E-10	3.51E-09
625	470648.27	3819111.05	9.39E-09	3.94E-08	3.55E-09	5.24E-08	7.82E-09	2.90E-08	2.55E-09	3.93E-08	8.87E-10	5.08E-09	6.06E-10	6.57E-09	8.06E-10	2.66E-09	1.83E-10	3.65E-09
626	470651.79	3819119.8	9.76E-09	4.10E-08	3.69E-09	5.44E-08	8.13E-09	3.01E-08	2.65E-09	4.09E-08	9.21E-10	5.27E-09	6.29E-10	6.83E-09	8.38E-10	2.76E-09	1.90E-10	3.79E-09
627	470655.31	3819128.54	1.01E-08	4.25E-08	3.83E-09	5.65E-08	8.44E-09	3.13E-08	2.75E-09	4.25E-08	9.57E-10	5.48E-09	6.54E-10	7.09E-09	8.70E-10	2.87E-09	1.98E-10	3.94E-09
628	470658.83	3819137.28	1.05E-08	4.41E-08	3.98E-09	5.86E-08	8.76E-09	3.24E-08	2.85E-09	4.40E-08	9.93E-10	5.68E-09	6.78E-10	7.35E-09	9.02E-10	2.98E-09	2.05E-10	4.08E-09
629	470662.34	3819146.02	1.09E-08	4.58E-08	4.12E-09	6.08E-08	9.08E-09	3.36E-08	2.96E-09	4.57E-08	1.03E-09	5.89E-09	7.03E-10	7.62E-09	9.36E-10	3.08E-09	2.13E-10	4.23E-09
630	470665.86	3819154.76	1.13E-08	4.74E-08	4.27E-09	6.30E-08	9.40E-09	3.48E-08	3.06E-09	4.73E-08	1.07E-09	6.10E-09	7.28E-10	7.90E-09	9.69E-10	3.19E-09	2.20E-10	4.38E-09
631	470669.38	3819163.5	1.17E-08	4.90E-08	4.42E-09	6.51E-08	9.72E-09	3.60E-08	3.17E-09	4.89E-08	1.10E-09	6.31E-09	7.53E-10	8.17E-09	1.00E-09	3.30E-09	2.28E-10	4.53E-09
632	470672.9	3819172.24	1.21E-08	5.07E-08	4.56E-09	6.73E-08	1.00E-08	3.72E-08	3.27E-09	5.06E-08	1.14E-09	6.52E-09	7.78E-10	8.44E-09	1.04E-09	3.41E-09	2.35E-10	4.69E-09
633	470676.42	3819180.98	1.25E-08	5.23E-08	4.71E-09	6.94E-08	1.04E-08	3.84E-08	3.38E-09	5.22E-08	1.18E-09	6.73E-09	8.03E-10	8.71E-09	1.07E-09	3.52E-09	2.43E-10	4.84E-09
634	470679.94	3819189.72	1.28E-08	5.39E-08	4.85E-09	7.16E-08	1.07E-08	3.96E-08	3.48E-09	5.38E-08	1.21E-09	6.94E-09	8.28E-10	8.97E-09	1.10E-09	3.63E-09	2.50E-10	4.98E-09
635	470683.46	3819198.47	1.32E-08	5.54E-08	4.99E-09	7.36E-08	1.10E-08	4.07E-08	3.58E-09	5.53E-08	1.25E-09	7.14E-09	8.51E-10	9.23E-09	1.13E-09	3.74E-09	2.58E-10	5.13E-09
636	470686.98	3819207.21	1.36E-08	5.69E-08	5.13E-09	7.56E-08	1.13E-08	4.18E-08	3.68E-09	5.68E-08	1.28E-09	7.33E-09	8.74E-10	9.48E-09	1.16E-09	3.84E-09	2.65E-10	5.27E-09
637	470690.5	3819215.95	1.39E-08	5.84E-08	5.26E-09	7.75E-08	1.16E-08	4.29E-08	3.77E-09	5.82E-08	1.31E-09	7.51E-09	8.97E-10	9.72E-09	1.19E-09	3.93E-09	2.71E-10	5.40E-09
638	470694.02	3819224.69	1.42E-08	5.97E-08	5.38E-09	7.93E-08	1.18E-08	4.39E-08	3.86E-09	5.96E-08	1.34E-09	7.69E-09	9.18E-10	9.95E-09	1.22E-09	4.03E-09	2.78E-10	5.53E-09
639	470277.44	3818818.48	9.31E-09	3.91E-08	3.52E-09	5.19E-08	7.76E-09	2.87E-08	2.53E-09	3.90E-08	8.79E-10	5.03E-09	6.01E-10	6.51E-09	7.99E-10	2.64E-09	1.82E-10	3.62E-09
640	470267.87	3818818.34	9.54E-09	4.01E-08	3.61E-09	5.32E-08	7.95E-09	2.94E-08	2.59E-09	4.00E-08	9.01E-10	5.16E-09	6.15E-10	6.67E-09	8.19E-10	2.70E-09	1.86E-10	3.71E-09
641	470258.31	3818818.21	9.75E-09	4.10E-08	3.69E-09	5.44E-08	8.12E-09	3.01E-08	2.65E-09	4.09E-08	9.21E-10	5.27E-09	6.29E-10	6.82E-09	8.37E-10	2.76E-09	1.90E-10	3.79E-09
642	470248.75	3818818.07	9.95E-09	4.18E-08	3.76E-09	5.55E-08	8.28E-09	3.07E-08	2.70E-09	4.17E-08	9.39E-10	5.38E-09	6.42E-10	6.96E-09	8.54E-10	2.82E-09	1.94E-10	3.86E-09
643	470239.19	3818817.94	1.01E-08	4.25E-08	3.83E-09	5.65E-08	8.43E-09	3.12E-08	2.75E-09	4.24E-08	9.56E-10	5.47E-09	6.53E-10	7.08E-09	8.69E-10	2.87E-09	1.98E-10	3.93E-09
644	470229.63	3818817.8	1.03E-08	4.32E-08	3.89E-09	5.74E-08	8.57E-09	3.17E-08	2.79E-09	4.31E-08	9.71E-10	5.56E-09	6.63E-10	7.20E-09	8.83E-10	2.91E-09	2.01E-10	4.00E-09
645	470220.06	3818817.67	1.04E-08	4.38E-08	3.95E-09	5.82E-08	8.70E-09	3.22E-08	2.83E-09	4.37E-08	9.86E-10	5.64E-09	6.73E-10	7.30E-09	8.96E-10	2.96E-09	2.04E-10	4.06E-09
646	470210.5	3818817.53	1.06E-08	4.44E-08	4.00E-09	5.90E-08	8.81E-09	3.26E-08	2.87E-09	4.43E-08	9.98E-10	5.72E-09	6.82E-10	7.40E-09	9.08E-10	2.99E-09	2.06E-10	4.11E-09
647	470200.94	3818817.4	1.07E-08	4.49E-08	4.04E-09	5.96E-08	8.90E-09	3.30E-08	2.90E-09	4.48E-08	1.01E-09	5.78E-09	6.89E-10	7.47E-09	9.17E-10	3.02E-09	2.08E-10	4.15E-09
648	470191.38	3818817.26	1.08E-08	4.53E-08	4.08E-09	6.01E-08	8.98E-09	3.33E-08	2.93E-09	4.52E-08	1.02E-09	5.83E-09	6.95E-10	7.54E-09	9.25E-10	3.05E-09	2.10E-10	4.19E-09
649	470162.69	3818816.86	1.09E-08	4.59E-08	4.13E-09	6.09E-08	9.10E-09	3.37E-08	2.96E-09	4.58E-08	1.03E-09	5.90E-09	7.04E-10	7.64E-09	9.38E-10	3.09E-09	2.13E-10	4.24E-09
650	470153.13	3818816.72	1.09E-08	4.58E-08	4.13E-09	6.09E-08	9.09E-09	3.37E-08	2.96E-09	4.57E-08	1.03E-09	5.90E-09	7.04E-10	7.63E-09	9.37E-10	3.09E-09	2.13E-10	4.24E-09
651	470143.57	3818816.59	1.09E-08	4.57E-08	4.11E-09	6.07E-08	9.06E-09	3.36E-08	2.95E-09	4.56E-08	1.03E-09	5.88E-09	7.02E-10	7.61E-09	9.34E-10	3.08E-09	2.12E-10	4.22E-09
652	470134	3818816.45	1.08E-08	4.54E-08	4.09E-09	6.04E-08	9.01E-09	3.34E-08	2.94E-09	4.53E-08	1.02E-09	5.85E-09	6.98E-10	7.57E-09	9.29E-10	3.06E-09	2.11E-10	4.20E-09
653	470124.44	3818816.32	1.07E-08	4.51E-08	4.06E-09	5.99E-08	8.95E-09	3.32E-08	2.92E-09	4.50E-08	1.01E-09	5.81E-09	6.93E-10	7.52E-09	9.22E-10	3.04E-09	2.10E-10	4.17E-09
654	470114.88	3818816.18	1.06E-08	4.47E-08	4.03E-09	5.94E-08	8.87E-09	3.28E-08	2.89E-09	4.46E-08	1.01E-09	5.75E-09	6.87E-10	7.45E-09	9.14E-10	3.01E-09	2.08E-10	4.13E-09
655	470313.71	3818789.84	7.57E-09	3.18E-08	2.86E-09	4.22E-08	6.31E-09	2.34E-08	2.06E-09	3.17E-08	7.15E-10	4.09E-09	4.88E-10	5.30E-09	6.50E-10	2.14E-09	1.48E-10	2.94E-09
656	470322.42	3818793.58	7.47E-09	3.14E-08	2.83E-09	4.17E-08	6.22E-09	2.31E-08	2.03E-09	3.13E-08	7.05E-10	4.04E-09	4.82E-10	5.23E-09	6.41E-10	2.11E-09	1.46E-10	2.90E-09
657	470331.14	3818797.32	7.37E-09	3.09E-08	2.79E-09	4.11E-08	6.13E-09	2.27E-08	2.00E-09	3.09E-08	6.96E-10	3.98E-09	4.75E-10	5.15E-09	6.32E-10	2.08E-09	1.44E-10	2.86E-09
658	470339.85	3818801.06	7.25E-09	3.05E-08	2.74E-09	4.05E-08	6.04E-09	2.24E-08	1.97E-09	3.04E-08	6.85E-10	3.92E-09	4.68E-10	5.08E-09	6.23E-10	2.05E-09	1.42E-10	2.82E-09
659	470348.57	3818804.8	7.14E-09	3.00E-08	2.70E-09	3.98E-08	5.95E-09	2.20E-08	1.94E-09	2.99E-08	6.74E-10	3.86E-09	4.61E-10	4.99E-09	6.13E-10	2.02E-09	1.39E-10	2.77E-09

660	470357.28	3818808.54	7.03E-09	2.95E-08	2.66E-09	3.92E-08	5.86E-09	2.17E-08	1.91E-09	2.95E-08	6.64E-10	3.80E-09	4.54E-10	4.92E-09	6.04E-10	1.99E-09	1.37E-10	2.73E-09
661	470366	3818812.28	6.93E-09	2.91E-08	2.62E-09	3.86E-08	5.77E-09	2.14E-08	1.88E-09	2.90E-08	6.54E-10	3.74E-09	4.47E-10	4.84E-09	5.95E-10	1.96E-09	1.35E-10	2.69E-09
662	470374.71	3818816.02	6.82E-09	2.86E-08	2.58E-09	3.80E-08	5.68E-09	2.10E-08	1.85E-09	2.86E-08	6.44E-10	3.68E-09	4.40E-10	4.77E-09	5.85E-10	1.93E-09	1.33E-10	2.65E-09
663	470383.43	3818819.76	6.70E-09	2.81E-08	2.53E-09	3.74E-08	5.58E-09	2.07E-08	1.82E-09	2.81E-08	6.32E-10	3.62E-09	4.32E-10	4.68E-09	5.75E-10	1.90E-09	1.31E-10	2.60E-09
664	470392.14	3818823.5	6.57E-09	2.76E-08	2.48E-09	3.66E-08	5.47E-09	2.03E-08	1.78E-09	2.75E-08	6.20E-10	3.55E-09	4.24E-10	4.60E-09	5.64E-10	1.86E-09	1.28E-10	2.55E-09
665	470470.57	3818857.17	5.46E-09	2.29E-08	2.07E-09	3.05E-08	4.55E-09	1.69E-08	1.48E-09	2.29E-08	5.16E-10	2.95E-09	3.52E-10	3.82E-09	4.69E-10	1.55E-09	1.07E-10	2.12E-09
666	470479.29	3818860.91	5.35E-09	2.25E-08	2.02E-09	2.99E-08	4.46E-09	1.65E-08	1.45E-09	2.24E-08	5.05E-10	2.89E-09	3.45E-10	3.74E-09	4.60E-10	1.52E-09	1.04E-10	2.08E-09
667	470488	3818864.65	5.24E-09	2.20E-08	1.98E-09	2.92E-08	4.37E-09	1.62E-08	1.42E-09	2.20E-08	4.95E-10	2.83E-09	3.38E-10	3.67E-09	4.50E-10	1.48E-09	1.02E-10	2.04E-09
668	470638.34	3818987.39	5.15E-09	2.16E-08	1.95E-09	2.87E-08	4.29E-09	1.59E-08	1.40E-09	2.16E-08	4.86E-10	2.78E-09	3.32E-10	3.60E-09	4.42E-10	1.46E-09	1.01E-10	2.00E-09
669	470641.88	3818996.19	5.32E-09	2.23E-08	2.01E-09	2.97E-08	4.43E-09	1.64E-08	1.44E-09	2.23E-08	5.02E-10	2.87E-09	3.43E-10	3.72E-09	4.56E-10	1.50E-09	1.04E-10	2.06E-09
670	470645.43	3819004.99	5.49E-09	2.31E-08	2.08E-09	3.06E-08	4.58E-09	1.70E-08	1.49E-09	2.30E-08	5.19E-10	2.97E-09	3.54E-10	3.84E-09	4.72E-10	1.55E-09	1.07E-10	2.13E-09
671	470648.97	3819013.78	5.68E-09	2.39E-08	2.15E-09	3.17E-08	4.73E-09	1.75E-08	1.54E-09	2.38E-08	5.36E-10	3.07E-09	3.66E-10	3.97E-09	4.88E-10	1.61E-09	1.11E-10	2.21E-09
672	470652.51	3819022.58	5.88E-09	2.47E-08	2.22E-09	3.28E-08	4.90E-09	1.81E-08	1.60E-09	2.46E-08	5.55E-10	3.18E-09	3.79E-10	4.11E-09	5.05E-10	1.66E-09	1.15E-10	2.28E-09
673	470656.05	3819031.38	6.09E-09	2.56E-08	2.30E-09	3.40E-08	5.08E-09	1.88E-08	1.65E-09	2.55E-08	5.75E-10	3.29E-09	3.93E-10	4.26E-09	5.23E-10	1.72E-09	1.19E-10	2.37E-09
674	470659.59	3819040.18	6.32E-09	2.65E-08	2.39E-09	3.52E-08	5.26E-09	1.95E-08	1.72E-09	2.65E-08	5.97E-10	3.42E-09	4.08E-10	4.42E-09	5.42E-10	1.79E-09	1.23E-10	2.45E-09
675	470663.13	3819048.97	6.55E-09	2.75E-08	2.48E-09	3.66E-08	5.46E-09	2.02E-08	1.78E-09	2.75E-08	6.19E-10	3.54E-09	4.23E-10	4.58E-09	5.63E-10	1.86E-09	1.28E-10	2.55E-09
676	470666.68	3819057.77	6.80E-09	2.86E-08	2.57E-09	3.79E-08	5.66E-09	2.10E-08	1.85E-09	2.85E-08	6.42E-10	3.68E-09	4.39E-10	4.76E-09	5.84E-10	1.92E-09	1.33E-10	2.64E-09
677	470670.22	3819066.57	7.06E-09	2.96E-08	2.67E-09	3.94E-08	5.88E-09	2.18E-08	1.92E-09	2.96E-08	6.66E-10	3.82E-09	4.55E-10	4.94E-09	6.06E-10	2.00E-09	1.38E-10	2.74E-09
678	470673.76	3819075.36	7.32E-09	3.08E-08	2.77E-09	4.09E-08	6.10E-09	2.26E-08	1.99E-09	3.07E-08	6.92E-10	3.96E-09	4.72E-10	5.12E-09	6.29E-10	2.07E-09	1.43E-10	2.84E-09
679	470677.3	3819084.16	7.60E-09	3.19E-08	2.88E-09	4.24E-08	6.33E-09	2.35E-08	2.06E-09	3.19E-08	7.18E-10	4.11E-09	4.90E-10	5.32E-09	6.53E-10	2.15E-09	1.48E-10	2.95E-09
680	470680.84	3819092.96	7.89E-09	3.31E-08	2.98E-09	4.40E-08	6.57E-09	2.44E-08	2.14E-09	3.31E-08	7.45E-10	4.27E-09	5.09E-10	5.52E-09	6.77E-10	2.23E-09	1.54E-10	3.07E-09
681	470684.39	3819101.76	8.19E-09	3.44E-08	3.10E-09	4.57E-08	6.82E-09	2.53E-08	2.22E-09	3.43E-08	7.73E-10	4.43E-09	5.28E-10	5.73E-09	7.03E-10	2.32E-09	1.60E-10	3.18E-09
682	470687.93	3819110.55	8.49E-09	3.57E-08	3.21E-09	4.74E-08	7.08E-09	2.62E-08	2.31E-09	3.56E-08	8.02E-10	4.59E-09	5.48E-10	5.94E-09	7.29E-10	2.40E-09	1.66E-10	3.30E-09
683	470691.47	3819119.35	8.80E-09	3.70E-08	3.33E-09	4.91E-08	7.33E-09	2.72E-08	2.39E-09	3.69E-08	8.31E-10	4.76E-09	5.68E-10	6.16E-09	7.56E-10	2.49E-09	1.72E-10	3.42E-09
684	470695.01	3819128.15	9.12E-09	3.83E-08	3.45E-09	5.09E-08	7.60E-09	2.81E-08	2.48E-09	3.82E-08	8.61E-10	4.93E-09	5.88E-10	6.38E-09	7.83E-10	2.58E-09	1.78E-10	3.54E-09
685	470698.55	3819136.95	9.44E-09	3.96E-08	3.57E-09	5.26E-08	7.86E-09	2.91E-08	2.56E-09	3.95E-08	8.91E-10	5.10E-09	6.09E-10	6.60E-09	8.10E-10	2.67E-09	1.84E-10	3.67E-09
686	470702.09	3819145.74	9.76E-09	4.10E-08	3.69E-09	5.44E-08	8.13E-09	3.01E-08	2.65E-09	4.09E-08	9.21E-10	5.28E-09	6.29E-10	6.83E-09	8.38E-10	2.76E-09	1.90E-10	3.79E-09
687	470705.64	3819154.54	1.01E-08	4.23E-08	3.81E-09	5.62E-08	8.39E-09	3.11E-08	2.74E-09	4.22E-08	9.52E-10	5.45E-09	6.50E-10	7.05E-09	8.65E-10	2.85E-09	1.97E-10	3.91E-09
688	470709.18	3819163.34	1.04E-08	4.37E-08	3.93E-09	5.80E-08	8.66E-09	3.21E-08	2.82E-09	4.36E-08	9.82E-10	5.62E-09	6.71E-10	7.27E-09	8.92E-10	2.94E-09	2.03E-10	4.04E-09
689	470712.72	3819172.14	1.07E-08	4.50E-08	4.05E-09	5.98E-08	8.92E-09	3.31E-08	2.91E-09	4.49E-08	1.01E-09	5.79E-09	6.91E-10	7.49E-09	9.20E-10	3.03E-09	2.09E-10	4.16E-09
690	470716.26	3819180.93	1.10E-08	4.63E-08	4.17E-09	6.15E-08	9.19E-09	3.40E-08	2.99E-09	4.62E-08	1.04E-09	5.96E-09	7.11E-10	7.72E-09	9.47E-10	3.12E-09	2.15E-10	4.28E-09
691	470719.8	3819189.73	1.13E-08	4.76E-08	4.29E-09	6.32E-08	9.44E-09	3.50E-08	3.08E-09	4.75E-08	1.07E-09	6.13E-09	7.31E-10	7.93E-09	9.73E-10	3.21E-09	2.21E-10	4.40E-09
692	470723.34	3819198.53	1.16E-08	4.89E-08	4.40E-09	6.49E-08	9.69E-09	3.59E-08	3.16E-09	4.88E-08	1.10E-09	6.29E-09	7.50E-10	8.14E-09	9.99E-10	3.29E-09	2.27E-10	4.52E-09
693	470726.89	3819207.32	1.19E-08	5.01E-08	4.51E-09	6.65E-08	9.93E-09	3.68E-08	3.24E-09	5.00E-08	1.13E-09	6.44E-09	7.69E-10	8.34E-09	1.02E-09	3.37E-09	2.33E-10	4.63E-09
694	470730.43	3819216.12	1.22E-08	5.12E-08	4.61E-09	6.80E-08	1.02E-08	3.76E-08	3.31E-09	5.11E-08	1.15E-09	6.59E-09	7.87E-10	8.53E-09	1.05E-09	3.45E-09	2.38E-10	4.74E-09
695	470733.97	3819224.92	1.25E-08	5.23E-08	4.71E-09	6.95E-08	1.04E-08	3.84E-08	3.38E-09	5.22E-08	1.18E-09	6.73E-09	8.03E-10	8.71E-09	1.07E-09	3.53E-09	2.43E-10	4.84E-09
696	470268.44	3818778.35	8.20E-09	3.44E-08	3.10E-09	4.57E-08	6.83E-09	2.53E-08	2.22E-09	3.43E-08	7.74E-10	4.43E-09	5.29E-10	5.73E-09	7.04E-10	2.32E-09	1.60E-10	3.18E-09
697	470258.88	3818778.21	8.37E-09	3.51E-08	3.16E-09	4.67E-08	6.97E-09	2.58E-08	2.27E-09	3.51E-08	7.90E-10	4.52E-09	5.40E-10	5.85E-09	7.18E-10	2.37E-09	1.63E-10	3.25E-09
698	470249.31	3818778.08	8.52E-09	3.58E-08	3.22E-09	4.75E-08	7.09E-09	2.63E-08	2.31E-09	3.57E-08	8.04E-10	4.60E-09	5.49E-10	5.96E-09	7.31E-10	2.41E-09	1.66E-10	3.31E-09
699	470239.75	3818777.94	8.65E-09	3.63E-08	3.27E-09	4.83E-08	7.21E-09	2.67E-08	2.35E-09	3.63E-08	8.17E-10	4.68E-09	5.58E-10	6.05E-09	7.43E-10	2.45E-09	1.69E-10	3.36E-09
700	470230.19	3818777.81	8.78E-09	3.69E-08	3.32E-09	4.90E-08	7.31E-09	2.71E-08	2.38E-09	3.68E-08	8.29E-10	4.75E-09	5.66E-10	6.14E-09	7.54E-10	2.49E-09	1.71E-10	3.41E-09
701	470220.63	3818777.67	8.90E-09	3.74E-08	3.37E-09	4.97E-08	7.42E-09	2.75E-08	2.42E-09	3.73E-08	8.41E-10	4.81E-09	5.74E-10	6.23E-09	7.64E-10	2.52E-09	1.74E-10	3.46E-09
702	470211.07	3818777.54	9.01E-09	3.79E-08	3.41E-09	5.03E-08	7.51E-09	2.78E-08	2.45E-09	3.78E-08	8.51E-10	4.87E-09	5.81E-10	6.31E-09	7.74E-10	2.55E-09	1.76E-10	3.50E-09
703	470201.5	3818777.4	9.11E-09	3.82E-08	3.44E-09	5.08E-08	7.58E-09	2.81E-08	2.47E-09	3.82E-08	8.60E-10	4.92E-09	5.87E-10	6.37E-09	7.82E-10	2.58E-09	1.78E-10	3.54E-09
704	470191.94	3818777.27	9.18E-09	3.86E-08	3.47E-09	5.12E-08	7.65E-09	2.83E-08	2.49E-09	3.85E-08	8.67E-10	4.96E-09	5.92E-10	6.42E-09	7.88E-10	2.60E-09	1.79E-10	3.57E-09
705	470163.25	3818776.86	9.30E-09	3.91E-08	3.52E-09	5.19E-08	7.75E-09	2.87E-08	2.52E-09	3.90E-08	8.78E-10	5.03E-09	6.00E-10	6.51E-09	7.98E-10	2.63E-09	1.81E-10	3.61E-09
706	470153.69	3818776.73	9.31E-09	3.91E-08	3.52E-09	5.19E-08	7.76E-09	2.87E-08	2.53E-09	3.90E-08	8.79E-10	5.03E-09	6.01E-10	6.51E-09	7.99E-10	2.64E-09	1.82E-10	3.62E-09
707	470144.13	3818776.59	9.30E-09	3.91E-08	3.52E-09	5.19E-08	7.75E-09	2.87E-08	2.53E-09	3.90E-08	8.79E-10	5.03E-09	6.00E-10	6.51E-09	7.99E-10	2.63E-09	1.82E-10	3.61E-09
708	470134.57	3818776.46	9.27E-09	3.89E-08	3.50E-09	5.17E-08	7.72E-09	2.86E-08	2.52E-09	3.88E-08	8.75E-10	5.01E-09	5.98E-10	6.48E-09	7.95E-10	2.62E-09	1.81E-10	3.60E-09
709	470125.01	3818776.32	9.20E-09	3.86E-08	3.48E-09	5.13E-08	7.66E-09	2.84E-08	2.50E-09	3.85E-08	8.68E-10	4.97E-09	5.93E-10	6.43E-09	7.90E-10	2.60E-09	1.79E-10	3.57E-09
710	470115.44	3818776.19	9.11E-09	3.83E-08	3.45E-09	5.08E-08	7.59E-09	2.81E-08	2.47E-09	3.82E-08	8.61E-10	4.93E-09	5.88E-10	6.38E-09	7.82E-10	2.58E-09	1.78E-10	3.54E-09

711	470296.89	3818742.38	6.75E-09	2.83E-08	2.55E-09	3.77E-08	5.62E-09	2.08E-08	1.83E-09	2.83E-08	6.37E-10	3.65E-09	4.35E-10	4.72E-09	5.80E-10	1.91E-09	1.32E-10	2.62E-09
712	470305.65	3818746.14	6.68E-09	2.81E-08	2.53E-09	3.73E-08	5.56E-09	2.06E-08	1.81E-09	2.80E-08	6.31E-10	3.61E-09	4.31E-10	4.67E-09	5.74E-10	1.89E-09	1.30E-10	2.59E-09
713	470314.41	3818749.9	6.61E-09	2.77E-08	2.50E-09	3.68E-08	5.50E-09	2.04E-08	1.79E-09	2.77E-08	6.24E-10	3.57E-09	4.26E-10	4.62E-09	5.67E-10	1.87E-09	1.29E-10	2.57E-09
714	470323.18	3818753.66	6.52E-09	2.74E-08	2.47E-09	3.64E-08	5.43E-09	2.01E-08	1.77E-09	2.73E-08	6.16E-10	3.53E-09	4.21E-10	4.56E-09	5.60E-10	1.85E-09	1.27E-10	2.53E-09
715	470331.94	3818757.42	6.44E-09	2.70E-08	2.44E-09	3.59E-08	5.36E-09	1.99E-08	1.75E-09	2.70E-08	6.08E-10	3.48E-09	4.15E-10	4.50E-09	5.53E-10	1.82E-09	1.26E-10	2.50E-09
716	470340.7	3818761.18	6.35E-09	2.67E-08	2.40E-09	3.54E-08	5.29E-09	1.96E-08	1.72E-09	2.66E-08	6.00E-10	3.43E-09	4.10E-10	4.44E-09	5.45E-10	1.80E-09	1.24E-10	2.47E-09
717	470349.46	3818764.95	6.26E-09	2.63E-08	2.37E-09	3.49E-08	5.21E-09	1.93E-08	1.70E-09	2.62E-08	5.91E-10	3.38E-09	4.04E-10	4.38E-09	5.37E-10	1.77E-09	1.22E-10	2.43E-09
718	470358.23	3818768.71	6.17E-09	2.59E-08	2.33E-09	3.44E-08	5.14E-09	1.90E-08	1.68E-09	2.59E-08	5.83E-10	3.34E-09	3.98E-10	4.32E-09	5.30E-10	1.75E-09	1.20E-10	2.40E-09
719	470366.99	3818772.47	6.08E-09	2.56E-08	2.30E-09	3.39E-08	5.07E-09	1.88E-08	1.65E-09	2.55E-08	5.75E-10	3.29E-09	3.92E-10	4.26E-09	5.22E-10	1.72E-09	1.19E-10	2.36E-09
720	470375.75	3818776.23	6.00E-09	2.52E-08	2.27E-09	3.34E-08	4.99E-09	1.85E-08	1.63E-09	2.51E-08	5.66E-10	3.24E-09	3.87E-10	4.19E-09	5.15E-10	1.70E-09	1.17E-10	2.33E-09
721	470384.51	3818779.99	5.90E-09	2.48E-08	2.23E-09	3.29E-08	4.91E-09	1.82E-08	1.60E-09	2.47E-08	5.57E-10	3.19E-09	3.81E-10	4.13E-09	5.06E-10	1.67E-09	1.15E-10	2.29E-09
722	470393.27	3818783.75	5.80E-09	2.43E-08	2.19E-09	3.23E-08	4.83E-09	1.79E-08	1.57E-09	2.43E-08	5.47E-10	3.13E-09	3.74E-10	4.05E-09	4.98E-10	1.64E-09	1.13E-10	2.25E-09
723	470472.13	3818817.6	4.88E-09	2.05E-08	1.84E-09	2.72E-08	4.06E-09	1.50E-08	1.32E-09	2.04E-08	4.61E-10	2.64E-09	3.15E-10	3.41E-09	4.19E-10	1.38E-09	9.52E-11	1.89E-09
724	470480.89	3818821.36	4.78E-09	2.01E-08	1.81E-09	2.66E-08	3.98E-09	1.47E-08	1.30E-09	2.00E-08	4.51E-10	2.58E-09	3.08E-10	3.34E-09	4.10E-10	1.35E-09	9.32E-11	1.86E-09
725	470489.66	3818825.12	4.68E-09	1.97E-08	1.77E-09	2.61E-08	3.90E-09	1.44E-08	1.27E-09	1.96E-08	4.42E-10	2.53E-09	3.02E-10	3.28E-09	4.02E-10	1.33E-09	9.14E-11	1.82E-09
726	470498.42	3818828.88	4.59E-09	1.93E-08	1.74E-09	2.56E-08	3.83E-09	1.42E-08	1.25E-09	1.92E-08	4.34E-10	2.48E-09	2.96E-10	3.21E-09	3.94E-10	1.30E-09	8.96E-11	1.78E-09
727	470603.56	3818874.01	3.73E-09	1.57E-08	1.41E-09	2.08E-08	3.11E-09	1.15E-08	1.01E-09	1.56E-08	3.52E-10	2.02E-09	2.41E-10	2.61E-09	3.20E-10	1.06E-09	7.28E-11	1.45E-09
728	470612.33	3818877.77	3.68E-09	1.55E-08	1.39E-09	2.05E-08	3.07E-09	1.14E-08	1.00E-09	1.54E-08	3.48E-10	1.99E-09	2.38E-10	2.58E-09	3.16E-10	1.04E-09	7.19E-11	1.43E-09
729	470621.09	3818881.53	3.64E-09	1.53E-08	1.38E-09	2.03E-08	3.03E-09	1.12E-08	9.89E-10	1.53E-08	3.44E-10	1.97E-09	2.35E-10	2.55E-09	3.13E-10	1.03E-09	7.11E-11	1.41E-09
730	470629.85	3818885.29	3.60E-09	1.51E-08	1.36E-09	2.01E-08	3.00E-09	1.11E-08	9.78E-10	1.51E-08	3.40E-10	1.95E-09	2.32E-10	2.52E-09	3.09E-10	1.02E-09	7.03E-11	1.40E-09
731	470642.17	3818897.9	3.64E-09	1.53E-08	1.38E-09	2.03E-08	3.03E-09	1.12E-08	9.89E-10	1.53E-08	3.44E-10	1.97E-09	2.35E-10	2.55E-09	3.13E-10	1.03E-09	7.11E-11	1.41E-09
732	470645.73	3818906.74	3.72E-09	1.56E-08	1.41E-09	2.07E-08	3.10E-09	1.15E-08	1.01E-09	1.56E-08	3.51E-10	2.01E-09	2.40E-10	2.60E-09	3.19E-10	1.05E-09	7.26E-11	1.44E-09
733	470649.29	3818915.59	3.80E-09	1.60E-08	1.44E-09	2.12E-08	3.17E-09	1.17E-08	1.03E-09	1.59E-08	3.59E-10	2.06E-09	2.45E-10	2.66E-09	3.26E-10	1.08E-09	7.42E-11	1.48E-09
734	470652.86	3818924.43	3.89E-09	1.63E-08	1.47E-09	2.17E-08	3.24E-09	1.20E-08	1.06E-09	1.63E-08	3.68E-10	2.10E-09	2.51E-10	2.72E-09	3.34E-10	1.10E-09	7.60E-11	1.51E-09
735	470656.42	3818933.28	3.99E-09	1.68E-08	1.51E-09	2.23E-08	3.32E-09	1.23E-08	1.08E-09	1.67E-08	3.77E-10	2.16E-09	2.57E-10	2.79E-09	3.43E-10	1.13E-09	7.79E-11	1.55E-09
736	470667.1	3818959.81	4.33E-09	1.82E-08	1.64E-09	2.41E-08	3.61E-09	1.34E-08	1.18E-09	1.81E-08	4.09E-10	2.34E-09	2.79E-10	3.03E-09	3.72E-10	1.23E-09	8.45E-11	1.68E-09
737	470670.66	3818968.66	4.46E-09	1.87E-08	1.69E-09	2.49E-08	3.71E-09	1.38E-08	1.21E-09	1.87E-08	4.21E-10	2.41E-09	2.88E-10	3.12E-09	3.83E-10	1.26E-09	8.70E-11	1.73E-09
738	470674.22	3818977.5	4.60E-09	1.93E-08	1.74E-09	2.56E-08	3.83E-09	1.42E-08	1.25E-09	1.93E-08	4.34E-10	2.49E-09	2.97E-10	3.22E-09	3.95E-10	1.30E-09	8.97E-11	1.79E-09
739	470677.78	3818986.35	4.74E-09	1.99E-08	1.79E-09	2.65E-08	3.95E-09	1.46E-08	1.29E-09	1.99E-08	4.48E-10	2.56E-09	3.06E-10	3.32E-09	4.07E-10	1.34E-09	9.26E-11	1.84E-09
740	470681.34	3818995.19	4.90E-09	2.06E-08	1.85E-09	2.73E-08	4.08E-09	1.51E-08	1.33E-09	2.05E-08	4.63E-10	2.65E-09	3.16E-10	3.43E-09	4.21E-10	1.39E-09	9.56E-11	1.90E-09
741	470684.9	3819004.04	5.07E-09	2.13E-08	1.92E-09	2.83E-08	4.22E-09	1.56E-08	1.38E-09	2.12E-08	4.78E-10	2.74E-09	3.27E-10	3.54E-09	4.35E-10	1.43E-09	9.88E-11	1.97E-09
742	470688.47	3819012.88	5.24E-09	2.20E-08	1.98E-09	2.92E-08	4.36E-09	1.62E-08	1.42E-09	2.20E-08	4.95E-10	2.83E-09	3.38E-10	3.67E-09	4.50E-10	1.48E-09	1.02E-10	2.04E-09
743	470692.03	3819021.73	5.42E-09	2.28E-08	2.05E-09	3.03E-08	4.52E-09	1.67E-08	1.47E-09	2.27E-08	5.12E-10	2.93E-09	3.50E-10	3.79E-09	4.66E-10	1.54E-09	1.06E-10	2.11E-09
744	470695.59	3819030.57	5.62E-09	2.36E-08	2.12E-09	3.13E-08	4.68E-09	1.73E-08	1.53E-09	2.35E-08	5.30E-10	3.04E-09	3.62E-10	3.93E-09	4.82E-10	1.59E-09	1.10E-10	2.18E-09
745	470699.15	3819039.42	5.82E-09	2.44E-08	2.20E-09	3.25E-08	4.85E-09	1.80E-08	1.58E-09	2.44E-08	5.50E-10	3.15E-09	3.75E-10	4.07E-09	5.00E-10	1.65E-09	1.14E-10	2.26E-09
746	470702.71	3819048.26	6.03E-09	2.53E-08	2.28E-09	3.36E-08	5.02E-09	1.86E-08	1.64E-09	2.53E-08	5.70E-10	3.26E-09	3.89E-10	4.22E-09	5.18E-10	1.71E-09	1.18E-10	2.34E-09
747	470706.27	3819057.11	6.25E-09	2.63E-08	2.36E-09	3.49E-08	5.21E-09	1.93E-08	1.70E-09	2.62E-08	5.90E-10	3.38E-09	4.03E-10	4.37E-09	5.37E-10	1.77E-09	1.22E-10	2.43E-09
748	470709.83	3819065.95	6.48E-09	2.72E-08	2.45E-09	3.62E-08	5.40E-09	2.00E-08	1.76E-09	2.72E-08	6.12E-10	3.50E-09	4.18E-10	4.53E-09	5.56E-10	1.83E-09	1.26E-10	2.52E-09
749	470713.39	3819074.8	6.72E-09	2.82E-08	2.54E-09	3.75E-08	5.60E-09	2.07E-08	1.82E-09	2.81E-08	6.34E-10	3.63E-09	4.33E-10	4.70E-09	5.77E-10	1.90E-09	1.31E-10	2.61E-09
750	470716.95	3819083.64	6.96E-09	2.92E-08	2.63E-09	3.88E-08	5.80E-09	2.15E-08	1.89E-09	2.92E-08	6.57E-10	3.76E-09	4.49E-10	4.87E-09	5.98E-10	1.97E-09	1.36E-10	2.70E-09
751	470720.51	3819092.49	7.21E-09	3.03E-08	2.73E-09	4.02E-08	6.01E-09	2.23E-08	1.96E-09	3.02E-08	6.81E-10	3.90E-09	4.65E-10	5.04E-09	6.19E-10	2.04E-09	1.41E-10	2.80E-09
752	470724.08	3819101.33	7.46E-09	3.13E-08	2.82E-09	4.16E-08	6.22E-09	2.30E-08	2.03E-09	3.13E-08	7.05E-10	4.04E-09	4.81E-10	5.22E-09	6.41E-10	2.11E-09	1.46E-10	2.90E-09
753	470727.64	3819110.18	7.72E-09	3.24E-08	2.92E-09	4.31E-08	6.43E-09	2.38E-08	2.10E-09	3.24E-08	7.29E-10	4.18E-09	4.98E-10	5.40E-09	6.63E-10	2.19E-09	1.51E-10	3.00E-09
754	470731.2	3819119.02	7.98E-09	3.35E-08	3.02E-09	4.45E-08	6.65E-09	2.46E-08	2.17E-09	3.35E-08	7.54E-10	4.32E-09	5.15E-10	5.59E-09	6.85E-10	2.26E-09	1.56E-10	3.10E-09
755	470734.76	3819127.87	8.25E-09	3.46E-08	3.12E-09	4.60E-08	6.87E-09	2.55E-08	2.24E-09	3.46E-08	7.79E-10	4.46E-09	5.32E-10	5.77E-09	7.08E-10	2.33E-09	1.61E-10	3.20E-09
756	470738.32	3819136.72	8.51E-09	3.58E-08	3.22E-09	4.75E-08	7.09E-09	2.63E-08	2.31E-09	3.57E-08	8.04E-10	4.60E-09	5.49E-10	5.96E-09	7.31E-10	2.41E-09	1.66E-10	3.31E-09
757	470741.88	3819145.56	8.78E-09	3.69E-08	3.32E-09	4.90E-08	7.31E-09	2.71E-08	2.38E-09	3.68E-08	8.29E-10	4.75E-09	5.66E-10	6.14E-09	7.54E-10	2.49E-09	1.71E-10	3.41E-09
758	470745.44	3819154.41	9.05E-09	3.80E-08	3.42E-09	5.05E-08	7.54E-09	2.79E-08	2.46E-09	3.79E-08	8.55E-10	4.89E-09	5.84E-10	6.33E-09	7.77E-10	2.56E-09	1.77E-10	3.52E-09
759	470749	3819163.25	9.31E-09	3.91E-08	3.52E-09	5.20E-08	7.76E-09	2.87E-08	2.53E-09	3.90E-08	8.80E-10	5.04E-09	6.01E-10	6.52E-09	8.00E-10	2.64E-09	1.82E-10	3.62E-09
760	470752.56	3819172.1	9.58E-09	4.02E-08	3.62E-09	5.34E-08	7.98E-09	2.96E-08	2.60E-09	4.01E-08	9.04E-10	5.18E-09	6.18E-10	6.70E-09	8.22E-10	2.71E-09	1.87E-10	3.72E-09
761	470756.12	3819180.94	9.83E-09	4.13E-08	3.72E-09	5.49E-08	8.19E-09	3.03E-08	2.67E-09	4.12E-08	9.29E-10	5.32E-09	6.34E-10	6.88E-09	8.44E-10	2.78E-09	1.92E-10	3.82E-09

762	470759.69	3819189.79	1.01E-08	4.24E-08	3.81E-09	5.63E-08	8.40E-09	3.11E-08	2.74E-09	4.23E-08	9.52E-10	5.45E-09	6.51E-10	7.06E-09	8.66E-10	2.86E-09	1.97E-10	3.92E-09
763	470763.25	3819198.63	1.03E-08	4.34E-08	3.91E-09	5.76E-08	8.60E-09	3.19E-08	2.80E-09	4.33E-08	9.75E-10	5.58E-09	6.66E-10	7.23E-09	8.87E-10	2.92E-09	2.02E-10	4.01E-09
764	470766.81	3819207.48	1.06E-08	4.44E-08	3.99E-09	5.89E-08	8.80E-09	3.26E-08	2.87E-09	4.43E-08	9.97E-10	5.71E-09	6.81E-10	7.39E-09	9.07E-10	2.99E-09	2.06E-10	4.10E-09
765	470770.37	3819216.32	1.08E-08	4.53E-08	4.08E-09	6.01E-08	8.98E-09	3.33E-08	2.93E-09	4.52E-08	1.02E-09	5.83E-09	6.95E-10	7.54E-09	9.26E-10	3.05E-09	2.10E-10	4.19E-09
766	470773.93	3819225.17	1.10E-08	4.62E-08	4.16E-09	6.13E-08	9.16E-09	3.39E-08	2.98E-09	4.61E-08	1.04E-09	5.94E-09	7.09E-10	7.69E-09	9.44E-10	3.11E-09	2.15E-10	4.27E-09
767	470288.13	3818738.62	6.81E-09	2.86E-08	2.58E-09	3.80E-08	5.67E-09	2.10E-08	1.85E-09	2.85E-08	6.43E-10	3.68E-09	4.39E-10	4.77E-09	5.85E-10	1.93E-09	1.33E-10	2.65E-09
768	470278.57	3818738.48	6.95E-09	2.92E-08	2.63E-09	3.88E-08	5.79E-09	2.15E-08	1.89E-09	2.91E-08	6.57E-10	3.76E-09	4.48E-10	4.86E-09	5.97E-10	1.97E-09	1.36E-10	2.70E-09
769	470269	3818738.35	7.09E-09	2.98E-08	2.68E-09	3.95E-08	5.91E-09	2.19E-08	1.92E-09	2.97E-08	6.69E-10	3.83E-09	4.57E-10	4.96E-09	6.09E-10	2.01E-09	1.38E-10	2.75E-09
770	470259.44	3818738.21	7.22E-09	3.03E-08	2.73E-09	4.03E-08	6.01E-09	2.23E-08	1.96E-09	3.03E-08	6.82E-10	3.90E-09	4.66E-10	5.05E-09	6.20E-10	2.04E-09	1.41E-10	2.80E-09
771	470249.88	3818738.08	7.35E-09	3.09E-08	2.78E-09	4.10E-08	6.13E-09	2.27E-08	2.00E-09	3.08E-08	6.94E-10	3.98E-09	4.74E-10	5.14E-09	6.31E-10	2.08E-09	1.43E-10	2.86E-09
772	470240.32	3818737.94	7.48E-09	3.14E-08	2.83E-09	4.17E-08	6.23E-09	2.31E-08	2.03E-09	3.13E-08	7.06E-10	4.04E-09	4.82E-10	5.23E-09	6.42E-10	2.12E-09	1.46E-10	2.90E-09
773	470230.75	3818737.81	7.59E-09	3.19E-08	2.87E-09	4.23E-08	6.32E-09	2.34E-08	2.06E-09	3.18E-08	7.17E-10	4.10E-09	4.90E-10	5.31E-09	6.52E-10	2.15E-09	1.48E-10	2.95E-09
774	470221.19	3818737.67	7.70E-09	3.23E-08	2.91E-09	4.29E-08	6.41E-09	2.37E-08	2.09E-09	3.22E-08	7.27E-10	4.16E-09	4.96E-10	5.38E-09	6.61E-10	2.18E-09	1.50E-10	2.99E-09
775	470211.63	3818737.54	7.79E-09	3.27E-08	2.94E-09	4.34E-08	6.49E-09	2.40E-08	2.11E-09	3.26E-08	7.35E-10	4.21E-09	5.02E-10	5.45E-09	6.68E-10	2.20E-09	1.52E-10	3.02E-09
776	470202.07	3818737.4	7.86E-09	3.30E-08	2.97E-09	4.39E-08	6.55E-09	2.43E-08	2.13E-09	3.29E-08	7.42E-10	4.25E-09	5.07E-10	5.50E-09	6.75E-10	2.23E-09	1.53E-10	3.05E-09
777	470192.51	3818737.27	7.93E-09	3.33E-08	3.00E-09	4.42E-08	6.60E-09	2.45E-08	2.15E-09	3.32E-08	7.49E-10	4.29E-09	5.11E-10	5.54E-09	6.80E-10	2.24E-09	1.55E-10	3.08E-09
778	470182.94	3818737.13	7.98E-09	3.35E-08	3.02E-09	4.45E-08	6.64E-09	2.46E-08	2.16E-09	3.34E-08	7.53E-10	4.31E-09	5.14E-10	5.58E-09	6.85E-10	2.26E-09	1.56E-10	3.10E-09
779	470173.38	3818737	8.01E-09	3.36E-08	3.03E-09	4.47E-08	6.67E-09	2.47E-08	2.17E-09	3.36E-08	7.56E-10	4.33E-09	5.17E-10	5.60E-09	6.88E-10	2.27E-09	1.56E-10	3.11E-09
780	470163.82	3818736.86	8.03E-09	3.37E-08	3.04E-09	4.48E-08	6.69E-09	2.48E-08	2.18E-09	3.36E-08	7.58E-10	4.34E-09	5.18E-10	5.62E-09	6.89E-10	2.27E-09	1.57E-10	3.12E-09
781	470154.26	3818736.73	8.03E-09	3.37E-08	3.04E-09	4.48E-08	6.69E-09	2.48E-08	2.18E-09	3.37E-08	7.58E-10	4.34E-09	5.18E-10	5.62E-09	6.90E-10	2.27E-09	1.57E-10	3.12E-09
782	470144.69	3818736.59	8.02E-09	3.37E-08	3.03E-09	4.47E-08	6.68E-09	2.48E-08	2.18E-09	3.36E-08	7.57E-10	4.34E-09	5.17E-10	5.61E-09	6.89E-10	2.27E-09	1.57E-10	3.12E-09
783	470135.13	3818736.46	8.00E-09	3.36E-08	3.02E-09	4.46E-08	6.66E-09	2.47E-08	2.17E-09	3.35E-08	7.55E-10	4.32E-09	5.16E-10	5.59E-09	6.86E-10	2.26E-09	1.56E-10	3.11E-09
784	470125.57	3818736.32	7.96E-09	3.34E-08	3.01E-09	4.44E-08	6.63E-09	2.46E-08	2.16E-09	3.33E-08	7.51E-10	4.30E-09	5.13E-10	5.57E-09	6.83E-10	2.25E-09	1.55E-10	3.09E-09
785	470116.01	3818736.19	7.91E-09	3.32E-08	2.99E-09	4.41E-08	6.59E-09	2.44E-08	2.15E-09	3.31E-08	7.47E-10	4.27E-09	5.10E-10	5.53E-09	6.79E-10	2.24E-09	1.54E-10	3.07E-09
786	470297.3	3818702.32	5.93E-09	2.49E-08	2.24E-09	3.31E-08	4.94E-09	1.83E-08	1.61E-09	2.49E-08	5.60E-10	3.21E-09	3.83E-10	4.15E-09	5.09E-10	1.68E-09	1.16E-10	2.30E-09
787	470305.9	3818706.01	5.88E-09	2.47E-08	2.22E-09	3.28E-08	4.89E-09	1.81E-08	1.60E-09	2.46E-08	5.55E-10	3.18E-09	3.79E-10	4.11E-09	5.04E-10	1.66E-09	1.15E-10	2.28E-09
788	470314.5	3818709.7	5.82E-09	2.44E-08	2.20E-09	3.24E-08	4.84E-09	1.79E-08	1.58E-09	2.44E-08	5.49E-10	3.14E-09	3.75E-10	4.07E-09	4.99E-10	1.65E-09	1.13E-10	2.26E-09
789	470323.1	3818713.39	5.75E-09	2.42E-08	2.18E-09	3.21E-08	4.79E-09	1.77E-08	1.56E-09	2.41E-08	5.43E-10	3.11E-09	3.71E-10	4.02E-09	4.94E-10	1.63E-09	1.12E-10	2.23E-09
790	470331.71	3818717.09	5.68E-09	2.39E-08	2.15E-09	3.17E-08	4.73E-09	1.75E-08	1.54E-09	2.38E-08	5.37E-10	3.07E-09	3.67E-10	3.97E-09	4.88E-10	1.61E-09	1.11E-10	2.21E-09
791	470340.31	3818720.78	5.61E-09	2.36E-08	2.12E-09	3.13E-08	4.67E-09	1.73E-08	1.52E-09	2.35E-08	5.30E-10	3.03E-09	3.62E-10	3.92E-09	4.82E-10	1.59E-09	1.09E-10	2.18E-09
792	470348.91	3818724.47	5.54E-09	2.32E-08	2.09E-09	3.09E-08	4.61E-09	1.71E-08	1.50E-09	2.32E-08	5.23E-10	2.99E-09	3.57E-10	3.87E-09	4.75E-10	1.57E-09	1.08E-10	2.15E-09
793	470357.52	3818728.16	5.47E-09	2.30E-08	2.07E-09	3.05E-08	4.55E-09	1.69E-08	1.48E-09	2.29E-08	5.16E-10	2.96E-09	3.53E-10	3.82E-09	4.69E-10	1.55E-09	1.07E-10	2.12E-09
794	470366.12	3818731.86	5.40E-09	2.27E-08	2.04E-09	3.01E-08	4.50E-09	1.67E-08	1.47E-09	2.26E-08	5.10E-10	2.92E-09	3.48E-10	3.78E-09	4.63E-10	1.53E-09	1.05E-10	2.10E-09
795	470469.35	3818776.16	4.44E-09	1.86E-08	1.68E-09	2.47E-08	3.70E-09	1.37E-08	1.20E-09	1.86E-08	4.19E-10	2.40E-09	2.86E-10	3.10E-09	3.81E-10	1.26E-09	8.66E-11	1.72E-09
796	470477.95	3818779.86	4.35E-09	1.83E-08	1.65E-09	2.43E-08	3.63E-09	1.34E-08	1.18E-09	1.82E-08	4.11E-10	2.35E-09	2.81E-10	3.05E-09	3.74E-10	1.23E-09	8.50E-11	1.69E-09
797	470486.56	3818783.55	4.27E-09	1.79E-08	1.62E-09	2.38E-08	3.56E-09	1.32E-08	1.16E-09	1.79E-08	4.03E-10	2.31E-09	2.75E-10	2.99E-09	3.67E-10	1.21E-09	8.33E-11	1.66E-09
798	470495.16	3818787.24	4.19E-09	1.76E-08	1.58E-09	2.34E-08	3.49E-09	1.29E-08	1.14E-09	1.75E-08	3.95E-10	2.26E-09	2.70E-10	2.93E-09	3.60E-10	1.19E-09	8.17E-11	1.63E-09
799	470503.76	3818790.93	4.11E-09	1.73E-08	1.55E-09	2.29E-08	3.42E-09	1.27E-08	1.12E-09	1.72E-08	3.88E-10	2.22E-09	2.65E-10	2.87E-09	3.53E-10	1.16E-09	8.02E-11	1.60E-09
800	470512.37	3818794.63	4.04E-09	1.70E-08	1.53E-09	2.25E-08	3.36E-09	1.25E-08	1.10E-09	1.69E-08	3.81E-10	2.18E-09	2.60E-10	2.82E-09	3.47E-10	1.14E-09	7.88E-11	1.57E-09
801	470624.2	3818842.63	3.24E-09	1.36E-08	1.23E-09	1.81E-08	2.70E-09	1.00E-08	8.80E-10	1.36E-08	3.06E-10	1.75E-09	2.09E-10	2.27E-09	2.78E-10	9.17E-10	6.32E-11	1.26E-09
802	470632.8	3818846.32	3.20E-09	1.34E-08	1.21E-09	1.79E-08	2.67E-09	9.88E-09	8.69E-10	1.34E-08	3.02E-10	1.73E-09	2.06E-10	2.24E-09	2.75E-10	9.06E-10	6.25E-11	1.24E-09
803	470641.41	3818850.01	3.17E-09	1.33E-08	1.20E-09	1.77E-08	2.64E-09	9.77E-09	8.59E-10	1.33E-08	2.99E-10	1.71E-09	2.04E-10	2.21E-09	2.72E-10	8.96E-10	6.18E-11	1.23E-09
804	470650.01	3818853.7	3.13E-09	1.32E-08	1.18E-09	1.75E-08	2.61E-09	9.67E-09	8.50E-10	1.31E-08	2.96E-10	1.69E-09	2.02E-10	2.19E-09	2.69E-10	8.87E-10	6.11E-11	1.22E-09
805	470658.61	3818857.4	3.10E-09	1.30E-08	1.17E-09	1.73E-08	2.58E-09	9.57E-09	8.42E-10	1.30E-08	2.93E-10	1.68E-09	2.00E-10	2.17E-09	2.66E-10	8.78E-10	6.05E-11	1.21E-09
806	470670.71	3818869.77	3.13E-09	1.32E-08	1.18E-09	1.75E-08	2.61E-09	9.66E-09	8.50E-10	1.31E-08	2.96E-10	1.69E-09	2.02E-10	2.19E-09	2.69E-10	8.86E-10	6.11E-11	1.22E-09
807	470674.21	3818878.46	3.19E-09	1.34E-08	1.21E-09	1.78E-08	2.66E-09	9.85E-09	8.67E-10	1.34E-08	3.01E-10	1.73E-09	2.06E-10	2.23E-09	2.74E-10	9.04E-10	6.23E-11	1.24E-09
808	470677.7	3818887.14	3.26E-09	1.37E-08	1.23E-09	1.82E-08	2.71E-09	1.01E-08	8.84E-10	1.36E-08	3.08E-10	1.76E-09	2.10E-10	2.28E-09	2.80E-10	9.22E-10	6.36E-11	1.27E-09
809	470681.2	3818895.83	3.33E-09	1.40E-08	1.26E-09	1.86E-08	2.77E-09	1.03E-08	9.03E-10	1.39E-08	3.14E-10	1.80E-09	2.15E-10	2.33E-09	2.86E-10	9.42E-10	6.49E-11	1.29E-09
810	470684.7	3818904.51	3.40E-09	1.43E-08	1.29E-09	1.90E-08	2.84E-09	1.05E-08	9.24E-10	1.43E-08	3.21E-10	1.84E-09	2.20E-10	2.38E-09	2.92E-10	9.64E-10	6.64E-11	1.32E-09
811	470688.19	3818913.2	3.49E-09	1.46E-08	1.32E-09	1.94E-08	2.90E-09	1.08E-08	9.46E-10	1.46E-08	3.29E-10	1.88E-09	2.25E-10	2.44E-09	2.99E-10	9.87E-10	6.80E-11	1.35E-09
812	470691.69	3818921.88	3.57E-09	1.50E-08	1.35E-09	1.99E-08	2.98E-09	1.10E-08	9.70E-10	1.50E-08	3.37E-10	1.93E-09	2.30E-10	2.50E-09	3.07E-10	1.01E-09	6.97E-11	1.39E-09

813	470695.19	3818930.56	3.67E-09	1.54E-08	1.39E-09	2.05E-08	3.05E-09	1.13E-08	9.96E-10	1.54E-08	3.46E-10	1.98E-09	2.37E-10	2.57E-09	3.15E-10	1.04E-09	7.16E-11	1.42E-09
814	470698.68	3818939.25	3.77E-09	1.58E-08	1.42E-09	2.10E-08	3.14E-09	1.16E-08	1.02E-09	1.58E-08	3.56E-10	2.04E-09	2.43E-10	2.63E-09	3.23E-10	1.07E-09	7.35E-11	1.46E-09
815	470702.18	3818947.93	3.87E-09	1.63E-08	1.46E-09	2.16E-08	3.23E-09	1.20E-08	1.05E-09	1.62E-08	3.66E-10	2.09E-09	2.50E-10	2.71E-09	3.32E-10	1.10E-09	7.56E-11	1.50E-09
816	470705.67	3818956.62	3.99E-09	1.67E-08	1.51E-09	2.22E-08	3.32E-09	1.23E-08	1.08E-09	1.67E-08	3.76E-10	2.15E-09	2.57E-10	2.79E-09	3.42E-10	1.13E-09	7.78E-11	1.55E-09
817	470709.17	3818965.3	4.10E-09	1.72E-08	1.55E-09	2.29E-08	3.42E-09	1.27E-08	1.11E-09	1.72E-08	3.88E-10	2.22E-09	2.65E-10	2.87E-09	3.52E-10	1.16E-09	8.01E-11	1.59E-09
818	470712.67	3818973.99	4.23E-09	1.78E-08	1.60E-09	2.36E-08	3.52E-09	1.31E-08	1.15E-09	1.77E-08	3.99E-10	2.29E-09	2.73E-10	2.96E-09	3.63E-10	1.20E-09	8.25E-11	1.64E-09
819	470716.16	3818982.67	4.36E-09	1.83E-08	1.65E-09	2.43E-08	3.63E-09	1.35E-08	1.18E-09	1.83E-08	4.12E-10	2.36E-09	2.81E-10	3.05E-09	3.74E-10	1.23E-09	8.51E-11	1.69E-09
820	470719.66	3818991.35	4.50E-09	1.89E-08	1.70E-09	2.51E-08	3.75E-09	1.39E-08	1.22E-09	1.89E-08	4.25E-10	2.43E-09	2.90E-10	3.15E-09	3.86E-10	1.27E-09	8.78E-11	1.75E-09
821	470723.16	3819000.04	4.65E-09	1.95E-08	1.76E-09	2.59E-08	3.87E-09	1.43E-08	1.26E-09	1.95E-08	4.39E-10	2.51E-09	3.00E-10	3.25E-09	3.99E-10	1.32E-09	9.07E-11	1.80E-09
822	470726.65	3819008.72	4.80E-09	2.02E-08	1.82E-09	2.68E-08	4.00E-09	1.48E-08	1.30E-09	2.01E-08	4.53E-10	2.60E-09	3.10E-10	3.36E-09	4.12E-10	1.36E-09	9.37E-11	1.86E-09
823	470730.15	3819017.41	4.96E-09	2.08E-08	1.88E-09	2.77E-08	4.13E-09	1.53E-08	1.35E-09	2.08E-08	4.69E-10	2.68E-09	3.20E-10	3.47E-09	4.26E-10	1.40E-09	9.68E-11	1.93E-09
824	470733.64	3819026.09	5.13E-09	2.15E-08	1.94E-09	2.86E-08	4.27E-09	1.58E-08	1.39E-09	2.15E-08	4.84E-10	2.77E-09	3.31E-10	3.59E-09	4.40E-10	1.45E-09	1.00E-10	1.99E-09
825	470737.14	3819034.78	5.31E-09	2.23E-08	2.01E-09	2.96E-08	4.42E-09	1.64E-08	1.44E-09	2.22E-08	5.01E-10	2.87E-09	3.42E-10	3.71E-09	4.55E-10	1.50E-09	1.04E-10	2.06E-09
826	470740.64	3819043.46	5.49E-09	2.30E-08	2.08E-09	3.06E-08	4.57E-09	1.69E-08	1.49E-09	2.30E-08	5.18E-10	2.97E-09	3.54E-10	3.84E-09	4.71E-10	1.55E-09	1.07E-10	2.13E-09
827	470744.13	3819052.14	5.67E-09	2.38E-08	2.15E-09	3.17E-08	4.73E-09	1.75E-08	1.54E-09	2.38E-08	5.36E-10	3.07E-09	3.66E-10	3.97E-09	4.87E-10	1.61E-09	1.11E-10	2.20E-09
828	470747.63	3819060.83	5.87E-09	2.46E-08	2.22E-09	3.27E-08	4.89E-09	1.81E-08	1.59E-09	2.46E-08	5.54E-10	3.17E-09	3.79E-10	4.11E-09	5.04E-10	1.66E-09	1.15E-10	2.28E-09
829	470751.13	3819069.51	6.07E-09	2.55E-08	2.29E-09	3.38E-08	5.05E-09	1.87E-08	1.65E-09	2.54E-08	5.73E-10	3.28E-09	3.91E-10	4.24E-09	5.21E-10	1.72E-09	1.18E-10	2.36E-09
830	470754.62	3819078.2	6.27E-09	2.63E-08	2.37E-09	3.50E-08	5.22E-09	1.94E-08	1.70E-09	2.63E-08	5.92E-10	3.39E-09	4.05E-10	4.39E-09	5.38E-10	1.78E-09	1.22E-10	2.44E-09
831	470758.12	3819086.88	6.48E-09	2.72E-08	2.45E-09	3.61E-08	5.40E-09	2.00E-08	1.76E-09	2.72E-08	6.12E-10	3.50E-09	4.18E-10	4.53E-09	5.56E-10	1.83E-09	1.26E-10	2.52E-09
832	470761.61	3819095.57	6.69E-09	2.81E-08	2.53E-09	3.73E-08	5.57E-09	2.06E-08	1.82E-09	2.80E-08	6.32E-10	3.62E-09	4.32E-10	4.68E-09	5.74E-10	1.89E-09	1.31E-10	2.60E-09
833	470765.11	3819104.25	6.91E-09	2.90E-08	2.61E-09	3.85E-08	5.75E-09	2.13E-08	1.87E-09	2.89E-08	6.52E-10	3.73E-09	4.45E-10	4.83E-09	5.93E-10	1.95E-09	1.35E-10	2.68E-09
834	470768.61	3819112.93	7.12E-09	2.99E-08	2.69E-09	3.97E-08	5.93E-09	2.20E-08	1.93E-09	2.99E-08	6.73E-10	3.85E-09	4.60E-10	4.98E-09	6.12E-10	2.02E-09	1.39E-10	2.77E-09
835	470772.1	3819121.62	7.34E-09	3.08E-08	2.78E-09	4.10E-08	6.12E-09	2.27E-08	1.99E-09	3.08E-08	6.94E-10	3.97E-09	4.74E-10	5.14E-09	6.31E-10	2.08E-09	1.43E-10	2.85E-09
836	470775.6	3819130.3	7.57E-09	3.18E-08	2.86E-09	4.22E-08	6.30E-09	2.33E-08	2.05E-09	3.17E-08	7.14E-10	4.09E-09	4.88E-10	5.29E-09	6.49E-10	2.14E-09	1.48E-10	2.94E-09
837	470779.1	3819138.99	7.79E-09	3.27E-08	2.94E-09	4.34E-08	6.49E-09	2.40E-08	2.11E-09	3.26E-08	7.35E-10	4.21E-09	5.02E-10	5.45E-09	6.68E-10	2.20E-09	1.52E-10	3.02E-09
838	470782.59	3819147.67	8.01E-09	3.36E-08	3.03E-09	4.47E-08	6.67E-09	2.47E-08	2.17E-09	3.36E-08	7.56E-10	4.33E-09	5.16E-10	5.60E-09	6.87E-10	2.27E-09	1.56E-10	3.11E-09
839	470786.09	3819156.36	8.23E-09	3.45E-08	3.11E-09	4.59E-08	6.85E-09	2.54E-08	2.23E-09	3.45E-08	7.77E-10	4.45E-09	5.31E-10	5.75E-09	7.06E-10	2.33E-09	1.61E-10	3.20E-09
840	470789.58	3819165.04	8.44E-09	3.55E-08	3.19E-09	4.71E-08	7.03E-09	2.60E-08	2.29E-09	3.54E-08	7.97E-10	4.56E-09	5.45E-10	5.91E-09	7.25E-10	2.39E-09	1.65E-10	3.28E-09
841	470793.08	3819173.73	8.65E-09	3.63E-08	3.27E-09	4.83E-08	7.21E-09	2.67E-08	2.35E-09	3.63E-08	8.17E-10	4.68E-09	5.58E-10	6.05E-09	7.43E-10	2.45E-09	1.69E-10	3.36E-09
842	470796.58	3819182.41	8.86E-09	3.72E-08	3.35E-09	4.94E-08	7.38E-09	2.73E-08	2.40E-09	3.71E-08	8.37E-10	4.79E-09	5.71E-10	6.20E-09	7.61E-10	2.51E-09	1.73E-10	3.44E-09
843	470800.07	3819191.09	9.06E-09	3.80E-08	3.43E-09	5.05E-08	7.54E-09	2.80E-08	2.46E-09	3.80E-08	8.55E-10	4.90E-09	5.84E-10	6.34E-09	7.78E-10	2.56E-09	1.77E-10	3.52E-09
844	470803.57	3819199.78	9.25E-09	3.88E-08	3.50E-09	5.16E-08	7.70E-09	2.85E-08	2.51E-09	3.88E-08	8.73E-10	5.00E-09	5.97E-10	6.47E-09	7.94E-10	2.62E-09	1.80E-10	3.59E-09
845	470807.07	3819208.46	9.43E-09	3.96E-08	3.57E-09	5.26E-08	7.86E-09	2.91E-08	2.56E-09	3.95E-08	8.91E-10	5.10E-09	6.09E-10	6.60E-09	8.10E-10	2.67E-09	1.84E-10	3.66E-09
846	470810.56	3819217.15	9.61E-09	4.04E-08	3.63E-09	5.36E-08	8.01E-09	2.97E-08	2.61E-09	4.03E-08	9.08E-10	5.20E-09	6.20E-10	6.72E-09	8.25E-10	2.72E-09	1.88E-10	3.73E-09
847	470288.69	3818698.62	5.98E-09	2.51E-08	2.26E-09	3.34E-08	4.98E-09	1.85E-08	1.62E-09	2.51E-08	5.65E-10	3.24E-09	3.86E-10	4.19E-09	5.14E-10	1.69E-09	1.17E-10	2.32E-09
848	470279.13	3818698.49	6.11E-09	2.56E-08	2.31E-09	3.41E-08	5.09E-09	1.88E-08	1.66E-09	2.56E-08	5.77E-10	3.30E-09	3.94E-10	4.27E-09	5.24E-10	1.73E-09	1.19E-10	2.37E-09
849	470269.57	3818698.35	6.23E-09	2.61E-08	2.35E-09	3.47E-08	5.19E-09	1.92E-08	1.69E-09	2.61E-08	5.88E-10	3.37E-09	4.02E-10	4.35E-09	5.34E-10	1.76E-09	1.21E-10	2.42E-09
850	470260.01	3818698.22	6.34E-09	2.66E-08	2.40E-09	3.54E-08	5.28E-09	1.96E-08	1.72E-09	2.66E-08	5.99E-10	3.43E-09	4.09E-10	4.43E-09	5.44E-10	1.79E-09	1.24E-10	2.46E-09
851	470250.44	3818698.08	6.44E-09	2.71E-08	2.44E-09	3.59E-08	5.37E-09	1.99E-08	1.75E-09	2.70E-08	6.08E-10	3.48E-09	4.16E-10	4.51E-09	5.53E-10	1.82E-09	1.26E-10	2.50E-09
852	470240.88	3818697.95	6.54E-09	2.75E-08	2.47E-09	3.65E-08	5.45E-09	2.02E-08	1.78E-09	2.74E-08	6.18E-10	3.54E-09	4.22E-10	4.58E-09	5.62E-10	1.85E-09	1.28E-10	2.54E-09
853	470231.32	3818697.81	6.63E-09	2.78E-08	2.51E-09	3.70E-08	5.52E-09	2.05E-08	1.80E-09	2.78E-08	6.26E-10	3.58E-09	4.28E-10	4.64E-09	5.69E-10	1.88E-09	1.29E-10	2.58E-09
854	470221.76	3818697.68	6.72E-09	2.82E-08	2.54E-09	3.75E-08	5.59E-09	2.07E-08	1.82E-09	2.81E-08	6.34E-10	3.63E-09	4.33E-10	4.70E-09	5.77E-10	1.90E-09	1.31E-10	2.61E-09
855	470212.2	3818697.54	6.79E-09	2.85E-08	2.57E-09	3.79E-08	5.66E-09	2.10E-08	1.84E-09	2.85E-08	6.41E-10	3.67E-09	4.38E-10	4.75E-09	5.83E-10	1.92E-09	1.33E-10	2.64E-09
856	470202.63	3818697.41	6.86E-09	2.88E-08	2.59E-09	3.83E-08	5.71E-09	2.12E-08	1.86E-09	2.87E-08	6.48E-10	3.71E-09	4.42E-10	4.80E-09	5.89E-10	1.94E-09	1.34E-10	2.66E-09
857	470193.07	3818697.27	6.91E-09	2.90E-08	2.61E-09	3.86E-08	5.76E-09	2.13E-08	1.88E-09	2.90E-08	6.53E-10	3.74E-09	4.46E-10	4.84E-09	5.93E-10	1.96E-09	1.35E-10	2.68E-09
858	470183.51	3818697.14	6.96E-09	2.92E-08	2.63E-09	3.88E-08	5.79E-09	2.15E-08	1.89E-09	2.91E-08	6.57E-10	3.76E-09	4.49E-10	4.87E-09	5.97E-10	1.97E-09	1.36E-10	2.70E-09
859	470173.95	3818697	6.99E-09	2.93E-08	2.64E-09	3.90E-08	5.82E-09	2.16E-08	1.90E-09	2.93E-08	6.60E-10	3.78E-09	4.51E-10	4.89E-09	6.00E-10	1.98E-09	1.36E-10	2.71E-09
860	470164.38	3818696.87	7.01E-09	2.94E-08	2.65E-09	3.91E-08	5.84E-09	2.16E-08	1.90E-09	2.94E-08	6.62E-10	3.79E-09	4.52E-10	4.90E-09	6.01E-10	1.98E-09	1.37E-10	2.72E-09
861	470154.82	3818696.73	7.01E-09	2.95E-08	2.65E-09	3.91E-08	5.84E-09	2.16E-08	1.90E-09	2.94E-08	6.62E-10	3.79E-09	4.52E-10	4.91E-09	6.02E-10	1.99E-09	1.37E-10	2.72E-09
862	470145.26	3818696.6	7.01E-09	2.94E-08	2.65E-09	3.91E-08	5.84E-09	2.16E-08	1.90E-09	2.94E-08	6.62E-10	3.79E-09	4.52E-10	4.90E-09	6.02E-10	1.98E-09	1.37E-10	2.72E-09
863	470135.7	3818696.46	6.99E-09	2.93E-08	2.64E-09	3.90E-08	5.82E-09	2.16E-08	1.90E-09	2.93E-08	6.60E-10	3.78E-09	4.51E-10	4.89E-09	6.00E-10	1.98E-09	1.36E-10	2.71E-09

864	470126.14	3818696.33	6.96E-09	2.92E-08	2.63E-09	3.88E-08	5.79E-09	2.15E-08	1.89E-09	2.91E-08	6.57E-10	3.76E-09	4.49E-10	4.87E-09	5.97E-10	1.97E-09	1.36E-10	2.70E-09
865	470116.57	3818696.19	6.91E-09	2.90E-08	2.61E-09	3.85E-08	5.76E-09	2.13E-08	1.88E-09	2.90E-08	6.53E-10	3.74E-09	4.46E-10	4.83E-09	5.93E-10	1.96E-09	1.35E-10	2.68E-09
866	470479.56	3818740.31	3.93E-09	1.65E-08	1.49E-09	2.19E-08	3.27E-09	1.21E-08	1.07E-09	1.65E-08	3.71E-10	2.13E-09	2.54E-10	2.75E-09	3.37E-10	1.11E-09	7.67E-11	1.53E-09
867	470488.21	3818744.02	3.86E-09	1.62E-08	1.46E-09	2.15E-08	3.22E-09	1.19E-08	1.05E-09	1.62E-08	3.65E-10	2.09E-09	2.49E-10	2.70E-09	3.31E-10	1.09E-09	7.53E-11	1.50E-09
868	470496.86	3818747.73	3.79E-09	1.59E-08	1.43E-09	2.11E-08	3.16E-09	1.17E-08	1.03E-09	1.59E-08	3.58E-10	2.05E-09	2.44E-10	2.65E-09	3.25E-10	1.07E-09	7.40E-11	1.47E-09
869	470505.51	3818751.45	3.72E-09	1.56E-08	1.41E-09	2.08E-08	3.10E-09	1.15E-08	1.01E-09	1.56E-08	3.51E-10	2.01E-09	2.40E-10	2.60E-09	3.19E-10	1.05E-09	7.26E-11	1.45E-09
870	470514.16	3818755.16	3.65E-09	1.53E-08	1.38E-09	2.04E-08	3.04E-09	1.13E-08	9.91E-10	1.53E-08	3.45E-10	1.97E-09	2.36E-10	2.55E-09	3.14E-10	1.03E-09	7.13E-11	1.42E-09
871	470522.81	3818758.87	3.58E-09	1.51E-08	1.36E-09	2.00E-08	2.99E-09	1.11E-08	9.73E-10	1.50E-08	3.38E-10	1.94E-09	2.31E-10	2.51E-09	3.08E-10	1.01E-09	6.99E-11	1.39E-09
872	470592.02	3818788.57	3.11E-09	1.31E-08	1.18E-09	1.74E-08	2.59E-09	9.61E-09	8.45E-10	1.30E-08	2.94E-10	1.68E-09	2.01E-10	2.18E-09	2.67E-10	8.81E-10	6.08E-11	1.21E-09
873	470600.67	3818792.29	3.06E-09	1.29E-08	1.16E-09	1.71E-08	2.55E-09	9.45E-09	8.31E-10	1.28E-08	2.89E-10	1.66E-09	1.98E-10	2.14E-09	2.63E-10	8.67E-10	5.98E-11	1.19E-09
874	470609.32	3818796	3.01E-09	1.27E-08	1.14E-09	1.68E-08	2.51E-09	9.30E-09	8.18E-10	1.26E-08	2.85E-10	1.63E-09	1.94E-10	2.11E-09	2.59E-10	8.53E-10	5.88E-11	1.17E-09
875	470617.97	3818799.71	2.97E-09	1.25E-08	1.12E-09	1.66E-08	2.47E-09	9.16E-09	8.06E-10	1.24E-08	2.80E-10	1.60E-09	1.91E-10	2.08E-09	2.55E-10	8.40E-10	5.79E-11	1.15E-09
876	470626.62	3818803.43	2.92E-09	1.23E-08	1.11E-09	1.63E-08	2.44E-09	9.02E-09	7.94E-10	1.22E-08	2.76E-10	1.58E-09	1.89E-10	2.05E-09	2.51E-10	8.28E-10	5.70E-11	1.14E-09
877	470635.27	3818807.14	2.88E-09	1.21E-08	1.09E-09	1.61E-08	2.40E-09	8.89E-09	7.82E-10	1.21E-08	2.72E-10	1.56E-09	1.86E-10	2.02E-09	2.47E-10	8.16E-10	5.62E-11	1.12E-09
878	470643.92	3818810.85	2.84E-09	1.19E-08	1.08E-09	1.59E-08	2.37E-09	8.78E-09	7.72E-10	1.19E-08	2.69E-10	1.54E-09	1.83E-10	1.99E-09	2.44E-10	8.05E-10	5.55E-11	1.10E-09
879	470652.57	3818814.56	2.81E-09	1.18E-08	1.06E-09	1.57E-08	2.34E-09	8.67E-09	7.63E-10	1.18E-08	2.65E-10	1.52E-09	1.81E-10	1.96E-09	2.41E-10	7.95E-10	5.48E-11	1.09E-09
880	470661.22	3818818.28	2.78E-09	1.17E-08	1.05E-09	1.55E-08	2.31E-09	8.57E-09	7.54E-10	1.16E-08	2.62E-10	1.50E-09	1.79E-10	1.94E-09	2.38E-10	7.86E-10	5.42E-11	1.08E-09
881	470669.87	3818821.99	2.75E-09	1.15E-08	1.04E-09	1.53E-08	2.29E-09	8.48E-09	7.46E-10	1.15E-08	2.59E-10	1.49E-09	1.77E-10	1.92E-09	2.36E-10	7.78E-10	5.36E-11	1.07E-09
882	470678.52	3818825.7	2.72E-09	1.14E-08	1.03E-09	1.52E-08	2.27E-09	8.39E-09	7.38E-10	1.14E-08	2.57E-10	1.47E-09	1.75E-10	1.90E-09	2.33E-10	7.70E-10	5.31E-11	1.06E-09
883	470687.17	3818829.41	2.70E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.32E-09	7.32E-10	1.13E-08	2.54E-10	1.46E-09	1.74E-10	1.89E-09	2.31E-10	7.63E-10	5.26E-11	1.05E-09
884	470699.33	3818841.86	2.72E-09	1.14E-08	1.03E-09	1.52E-08	2.27E-09	8.39E-09	7.38E-10	1.14E-08	2.57E-10	1.47E-09	1.75E-10	1.90E-09	2.33E-10	7.70E-10	5.31E-11	1.06E-09
885	470702.85	3818850.59	2.77E-09	1.16E-08	1.05E-09	1.54E-08	2.31E-09	8.55E-09	7.52E-10	1.16E-08	2.62E-10	1.50E-09	1.79E-10	1.94E-09	2.38E-10	7.84E-10	5.40E-11	1.08E-09
886	470706.37	3818859.32	2.82E-09	1.19E-08	1.07E-09	1.58E-08	2.35E-09	8.71E-09	7.67E-10	1.18E-08	2.67E-10	1.53E-09	1.82E-10	1.98E-09	2.42E-10	7.99E-10	5.51E-11	1.10E-09
887	470720.43	3818894.25	3.08E-09	1.29E-08	1.17E-09	1.72E-08	2.57E-09	9.51E-09	8.36E-10	1.29E-08	2.91E-10	1.67E-09	1.99E-10	2.15E-09	2.64E-10	8.72E-10	6.01E-11	1.20E-09
888	470723.94	3818902.99	3.16E-09	1.33E-08	1.19E-09	1.76E-08	2.63E-09	9.74E-09	8.57E-10	1.32E-08	2.98E-10	1.71E-09	2.04E-10	2.21E-09	2.71E-10	8.93E-10	6.16E-11	1.23E-09
889	470727.46	3818911.72	3.24E-09	1.36E-08	1.22E-09	1.81E-08	2.70E-09	9.99E-09	8.79E-10	1.36E-08	3.06E-10	1.75E-09	2.09E-10	2.26E-09	2.78E-10	9.16E-10	6.31E-11	1.26E-09
890	470730.97	3818920.45	3.32E-09	1.39E-08	1.26E-09	1.85E-08	2.77E-09	1.02E-08	9.02E-10	1.39E-08	3.14E-10	1.80E-09	2.14E-10	2.32E-09	2.85E-10	9.40E-10	6.48E-11	1.29E-09
891	470734.49	3818929.18	3.41E-09	1.43E-08	1.29E-09	1.90E-08	2.84E-09	1.05E-08	9.26E-10	1.43E-08	3.22E-10	1.84E-09	2.20E-10	2.39E-09	2.93E-10	9.66E-10	6.66E-11	1.33E-09
892	470738	3818937.91	3.51E-09	1.47E-08	1.33E-09	1.96E-08	2.92E-09	1.08E-08	9.52E-10	1.47E-08	3.31E-10	1.90E-09	2.26E-10	2.45E-09	3.01E-10	9.93E-10	6.85E-11	1.36E-09
893	470741.52	3818946.65	3.61E-09	1.52E-08	1.36E-09	2.01E-08	3.01E-09	1.11E-08	9.80E-10	1.51E-08	3.41E-10	1.95E-09	2.33E-10	2.52E-09	3.10E-10	1.02E-09	7.04E-11	1.40E-09
894	470745.04	3818955.38	3.72E-09	1.56E-08	1.41E-09	2.07E-08	3.10E-09	1.15E-08	1.01E-09	1.56E-08	3.51E-10	2.01E-09	2.40E-10	2.60E-09	3.19E-10	1.05E-09	7.25E-11	1.44E-09
895	470748.55	3818964.11	3.83E-09	1.61E-08	1.45E-09	2.14E-08	3.19E-09	1.18E-08	1.04E-09	1.60E-08	3.61E-10	2.07E-09	2.47E-10	2.68E-09	3.29E-10	1.08E-09	7.47E-11	1.49E-09
896	470752.07	3818972.84	3.95E-09	1.66E-08	1.49E-09	2.20E-08	3.29E-09	1.22E-08	1.07E-09	1.65E-08	3.73E-10	2.13E-09	2.54E-10	2.76E-09	3.39E-10	1.12E-09	7.70E-11	1.53E-09
897	470755.58	3818981.58	4.07E-09	1.71E-08	1.54E-09	2.27E-08	3.39E-09	1.26E-08	1.10E-09	1.71E-08	3.84E-10	2.20E-09	2.62E-10	2.85E-09	3.49E-10	1.15E-09	7.94E-11	1.58E-09
898	470759.1	3818990.31	4.20E-09	1.76E-08	1.59E-09	2.34E-08	3.50E-09	1.30E-08	1.14E-09	1.76E-08	3.96E-10	2.27E-09	2.71E-10	2.94E-09	3.60E-10	1.19E-09	8.19E-11	1.63E-09
899	470762.61	3818999.04	4.33E-09	1.82E-08	1.64E-09	2.42E-08	3.61E-09	1.34E-08	1.18E-09	1.82E-08	4.09E-10	2.34E-09	2.80E-10	3.03E-09	3.72E-10	1.23E-09	8.46E-11	1.68E-09
900	470766.13	3819007.77	4.48E-09	1.88E-08	1.69E-09	2.50E-08	3.73E-09	1.38E-08	1.21E-09	1.88E-08	4.23E-10	2.42E-09	2.89E-10	3.13E-09	3.84E-10	1.27E-09	8.73E-11	1.74E-09
901	470769.64	3819016.5	4.62E-09	1.94E-08	1.75E-09	2.58E-08	3.85E-09	1.43E-08	1.25E-09	1.94E-08	4.36E-10	2.50E-09	2.98E-10	3.23E-09	3.97E-10	1.31E-09	9.02E-11	1.80E-09
902	470773.16	3819025.24	4.77E-09	2.00E-08	1.80E-09	2.66E-08	3.98E-09	1.47E-08	1.30E-09	2.00E-08	4.51E-10	2.58E-09	3.08E-10	3.34E-09	4.10E-10	1.35E-09	9.31E-11	1.85E-09
903	470776.68	3819033.97	4.93E-09	2.07E-08	1.86E-09	2.75E-08	4.11E-09	1.52E-08	1.34E-09	2.07E-08	4.65E-10	2.66E-09	3.18E-10	3.45E-09	4.23E-10	1.40E-09	9.62E-11	1.91E-09
904	470780.19	3819042.7	5.09E-09	2.14E-08	1.92E-09	2.84E-08	4.24E-09	1.57E-08	1.38E-09	2.13E-08	4.81E-10	2.75E-09	3.28E-10	3.56E-09	4.37E-10	1.44E-09	9.93E-11	1.98E-09
905	470783.71	3819051.43	5.26E-09	2.21E-08	1.99E-09	2.93E-08	4.38E-09	1.62E-08	1.43E-09	2.20E-08	4.96E-10	2.84E-09	3.39E-10	3.68E-09	4.51E-10	1.49E-09	1.03E-10	2.04E-09
906	470787.22	3819060.17	5.43E-09	2.28E-08	2.05E-09	3.03E-08	4.52E-09	1.67E-08	1.47E-09	2.27E-08	5.12E-10	2.93E-09	3.50E-10	3.80E-09	4.66E-10	1.54E-09	1.06E-10	2.11E-09
907	470790.74	3819068.9	5.60E-09	2.35E-08	2.12E-09	3.12E-08	4.67E-09	1.73E-08	1.52E-09	2.35E-08	5.29E-10	3.03E-09	3.61E-10	3.92E-09	4.81E-10	1.59E-09	1.09E-10	2.18E-09
908	470794.25	3819077.63	5.78E-09	2.43E-08	2.19E-09	3.22E-08	4.82E-09	1.78E-08	1.57E-09	2.42E-08	5.46E-10	3.13E-09	3.73E-10	4.04E-09	4.96E-10	1.64E-09	1.13E-10	2.25E-09
909	470797.77	3819086.36	5.96E-09	2.50E-08	2.25E-09	3.33E-08	4.97E-09	1.84E-08	1.62E-09	2.50E-08	5.63E-10	3.22E-09	3.85E-10	4.17E-09	5.12E-10	1.69E-09	1.16E-10	2.32E-09
910	470801.28	3819095.09	6.14E-09	2.58E-08	2.32E-09	3.43E-08	5.12E-09	1.90E-08	1.67E-09	2.57E-08	5.80E-10	3.32E-09	3.96E-10	4.30E-09	5.28E-10	1.74E-09	1.20E-10	2.39E-09
911	470804.8	3819103.83	6.33E-09	2.66E-08	2.39E-09	3.53E-08	5.27E-09	1.95E-08	1.72E-09	2.65E-08	5.98E-10	3.42E-09	4.08E-10	4.43E-09	5.43E-10	1.79E-09	1.24E-10	2.46E-09
912	470808.32	3819112.56	6.52E-09	2.74E-08	2.47E-09	3.64E-08	5.43E-09	2.01E-08	1.77E-09	2.73E-08	6.15E-10	3.52E-09	4.20E-10	4.56E-09	5.60E-10	1.84E-09	1.27E-10	2.53E-09
913	470811.83	3819121.29	6.71E-09	2.82E-08	2.54E-09	3.74E-08	5.59E-09	2.07E-08	1.82E-09	2.81E-08	6.33E-10	3.63E-09	4.33E-10	4.69E-09	5.76E-10	1.90E-09	1.31E-10	2.60E-09
914	470815.35	3819130.02	6.89E-09	2.90E-08	2.61E-09	3.85E-08	5.74E-09	2.13E-08	1.87E-09	2.89E-08	6.51E-10	3.73E-09	4.45E-10	4.82E-09	5.92E-10	1.95E-09	1.35E-10	2.68E-09

915	470818.86	3819138.76	7.08E-09	2.97E-08	2.68E-09	3.95E-08	5.90E-09	2.19E-08	1.92E-09	2.97E-08	6.69E-10	3.83E-09	4.57E-10	4.95E-09	6.08E-10	2.00E-09	1.38E-10	2.75E-09
916	470822.38	3819147.49	7.27E-09	3.05E-08	2.75E-09	4.05E-08	6.05E-09	2.24E-08	1.97E-09	3.05E-08	6.86E-10	3.93E-09	4.69E-10	5.09E-09	6.24E-10	2.06E-09	1.42E-10	2.82E-09
917	470825.89	3819156.22	7.45E-09	3.13E-08	2.82E-09	4.16E-08	6.21E-09	2.30E-08	2.02E-09	3.12E-08	7.04E-10	4.03E-09	4.81E-10	5.21E-09	6.40E-10	2.11E-09	1.45E-10	2.90E-09
918	470829.41	3819164.95	7.64E-09	3.21E-08	2.89E-09	4.26E-08	6.36E-09	2.36E-08	2.07E-09	3.20E-08	7.21E-10	4.13E-09	4.93E-10	5.34E-09	6.56E-10	2.16E-09	1.49E-10	2.97E-09
919	470832.92	3819173.69	7.81E-09	3.28E-08	2.95E-09	4.36E-08	6.51E-09	2.41E-08	2.12E-09	3.27E-08	7.38E-10	4.22E-09	5.04E-10	5.46E-09	6.71E-10	2.21E-09	1.52E-10	3.03E-09
920	470836.44	3819182.42	7.98E-09	3.35E-08	3.02E-09	4.45E-08	6.65E-09	2.46E-08	2.17E-09	3.34E-08	7.54E-10	4.32E-09	5.15E-10	5.58E-09	6.85E-10	2.26E-09	1.56E-10	3.10E-09
921	470839.96	3819191.15	8.15E-09	3.42E-08	3.08E-09	4.54E-08	6.79E-09	2.51E-08	2.21E-09	3.41E-08	7.69E-10	4.40E-09	5.25E-10	5.70E-09	6.99E-10	2.31E-09	1.59E-10	3.16E-09
922	470843.47	3819199.88	8.31E-09	3.49E-08	3.14E-09	4.63E-08	6.92E-09	2.56E-08	2.25E-09	3.48E-08	7.84E-10	4.49E-09	5.36E-10	5.81E-09	7.13E-10	2.35E-09	1.62E-10	3.23E-09
923	470846.99	3819208.61	8.46E-09	3.55E-08	3.20E-09	4.72E-08	7.05E-09	2.61E-08	2.30E-09	3.54E-08	7.99E-10	4.57E-09	5.46E-10	5.92E-09	7.26E-10	2.39E-09	1.65E-10	3.29E-09
924	470850.5	3819217.35	8.61E-09	3.61E-08	3.25E-09	4.80E-08	7.17E-09	2.66E-08	2.34E-09	3.61E-08	8.13E-10	4.65E-09	5.55E-10	6.02E-09	7.39E-10	2.44E-09	1.68E-10	3.34E-09
925	470260.57	3818658.22	5.60E-09	2.35E-08	2.12E-09	3.13E-08	4.67E-09	1.73E-08	1.52E-09	2.35E-08	5.29E-10	3.03E-09	3.61E-10	3.92E-09	4.81E-10	1.59E-09	1.09E-10	2.18E-09
926	470251.01	3818658.09	5.69E-09	2.39E-08	2.15E-09	3.17E-08	4.74E-09	1.76E-08	1.54E-09	2.38E-08	5.37E-10	3.08E-09	3.67E-10	3.98E-09	4.88E-10	1.61E-09	1.11E-10	2.21E-09
927	470241.45	3818657.95	5.77E-09	2.42E-08	2.18E-09	3.22E-08	4.80E-09	1.78E-08	1.57E-09	2.42E-08	5.45E-10	3.12E-09	3.72E-10	4.03E-09	4.95E-10	1.63E-09	1.13E-10	2.24E-09
928	470231.88	3818657.82	5.84E-09	2.45E-08	2.21E-09	3.26E-08	4.87E-09	1.80E-08	1.59E-09	2.45E-08	5.52E-10	3.16E-09	3.77E-10	4.09E-09	5.01E-10	1.65E-09	1.14E-10	2.27E-09
929	470222.32	3818657.68	5.91E-09	2.48E-08	2.24E-09	3.30E-08	4.92E-09	1.82E-08	1.60E-09	2.48E-08	5.58E-10	3.20E-09	3.81E-10	4.14E-09	5.08E-10	1.67E-09	1.15E-10	2.30E-09
930	470212.76	3818657.55	5.98E-09	2.51E-08	2.26E-09	3.33E-08	4.98E-09	1.84E-08	1.62E-09	2.50E-08	5.64E-10	3.23E-09	3.86E-10	4.18E-09	5.13E-10	1.69E-09	1.17E-10	2.32E-09
931	470203.2	3818657.41	6.03E-09	2.53E-08	2.28E-09	3.37E-08	5.03E-09	1.86E-08	1.64E-09	2.53E-08	5.70E-10	3.26E-09	3.89E-10	4.22E-09	5.18E-10	1.71E-09	1.18E-10	2.34E-09
932	470193.64	3818657.28	6.08E-09	2.55E-08	2.30E-09	3.39E-08	5.06E-09	1.88E-08	1.65E-09	2.55E-08	5.74E-10	3.28E-09	3.92E-10	4.25E-09	5.22E-10	1.72E-09	1.19E-10	2.36E-09
933	470184.07	3818657.14	6.11E-09	2.56E-08	2.31E-09	3.41E-08	5.09E-09	1.88E-08	1.66E-09	2.56E-08	5.77E-10	3.30E-09	3.94E-10	4.27E-09	5.24E-10	1.73E-09	1.19E-10	2.37E-09
934	470174.51	3818657.01	6.13E-09	2.57E-08	2.32E-09	3.42E-08	5.10E-09	1.89E-08	1.66E-09	2.57E-08	5.79E-10	3.31E-09	3.95E-10	4.29E-09	5.26E-10	1.73E-09	1.20E-10	2.38E-09
935	470164.95	3818656.87	6.14E-09	2.58E-08	2.32E-09	3.43E-08	5.12E-09	1.90E-08	1.67E-09	2.57E-08	5.80E-10	3.32E-09	3.96E-10	4.30E-09	5.27E-10	1.74E-09	1.20E-10	2.39E-09
936	470155.39	3818656.74	6.15E-09	2.58E-08	2.33E-09	3.43E-08	5.12E-09	1.90E-08	1.67E-09	2.58E-08	5.81E-10	3.33E-09	3.97E-10	4.30E-09	5.28E-10	1.74E-09	1.20E-10	2.39E-09
937	470145.82	3818656.6	6.15E-09	2.58E-08	2.33E-09	3.43E-08	5.12E-09	1.90E-08	1.67E-09	2.58E-08	5.81E-10	3.32E-09	3.97E-10	4.30E-09	5.28E-10	1.74E-09	1.20E-10	2.39E-09
938	470136.26	3818656.47	6.14E-09	2.58E-08	2.32E-09	3.42E-08	5.11E-09	1.89E-08	1.67E-09	2.57E-08	5.80E-10	3.32E-09	3.96E-10	4.30E-09	5.27E-10	1.74E-09	1.20E-10	2.38E-09
939	470126.7	3818656.33	6.12E-09	2.57E-08	2.31E-09	3.41E-08	5.10E-09	1.89E-08	1.66E-09	2.56E-08	5.78E-10	3.31E-09	3.95E-10	4.28E-09	5.25E-10	1.73E-09	1.19E-10	2.38E-09
940	470117.14	3818656.2	6.09E-09	2.56E-08	2.30E-09	3.40E-08	5.07E-09	1.88E-08	1.65E-09	2.55E-08	5.75E-10	3.29E-09	3.93E-10	4.26E-09	5.23E-10	1.72E-09	1.19E-10	2.37E-09
941	470489.74	3818704.44	3.51E-09	1.47E-08	1.33E-09	1.96E-08	2.92E-09	1.08E-08	9.52E-10	1.47E-08	3.31E-10	1.90E-09	2.26E-10	2.45E-09	3.01E-10	9.92E-10	6.84E-11	1.36E-09
942	470498.43	3818708.17	3.45E-09	1.45E-08	1.30E-09	1.92E-08	2.87E-09	1.06E-08	9.35E-10	1.44E-08	3.25E-10	1.86E-09	2.22E-10	2.41E-09	2.96E-10	9.75E-10	6.72E-11	1.34E-09
943	470507.12	3818711.9	3.39E-09	1.42E-08	1.28E-09	1.89E-08	2.83E-09	1.05E-08	9.21E-10	1.42E-08	3.20E-10	1.83E-09	2.19E-10	2.37E-09	2.91E-10	9.60E-10	6.62E-11	1.32E-09
944	470515.81	3818715.63	3.34E-09	1.40E-08	1.26E-09	1.86E-08	2.78E-09	1.03E-08	9.07E-10	1.40E-08	3.15E-10	1.81E-09	2.15E-10	2.34E-09	2.87E-10	9.46E-10	6.52E-11	1.30E-09
945	470524.51	3818719.36	3.28E-09	1.38E-08	1.24E-09	1.83E-08	2.73E-09	1.01E-08	8.91E-10	1.38E-08	3.10E-10	1.77E-09	2.12E-10	2.30E-09	2.82E-10	9.29E-10	6.40E-11	1.27E-09
946	470533.2	3818723.09	3.22E-09	1.35E-08	1.22E-09	1.80E-08	2.68E-09	9.95E-09	8.75E-10	1.35E-08	3.04E-10	1.74E-09	2.08E-10	2.25E-09	2.77E-10	9.12E-10	6.29E-11	1.25E-09
947	470541.89	3818726.82	3.17E-09	1.33E-08	1.20E-09	1.77E-08	2.64E-09	9.77E-09	8.60E-10	1.33E-08	2.99E-10	1.71E-09	2.04E-10	2.21E-09	2.72E-10	8.96E-10	6.18E-11	1.23E-09
948	470550.58	3818730.55	3.11E-09	1.31E-08	1.18E-09	1.73E-08	2.59E-09	9.60E-09	8.44E-10	1.30E-08	2.94E-10	1.68E-09	2.01E-10	2.18E-09	2.67E-10	8.80E-10	6.07E-11	1.21E-09
949	470567.97	3818738.01	3.00E-09	1.26E-08	1.13E-09	1.67E-08	2.50E-09	9.26E-09	8.14E-10	1.26E-08	2.83E-10	1.62E-09	1.93E-10	2.10E-09	2.58E-10	8.49E-10	5.85E-11	1.17E-09
950	470576.66	3818741.74	2.95E-09	1.24E-08	1.11E-09	1.64E-08	2.45E-09	9.09E-09	8.00E-10	1.23E-08	2.78E-10	1.59E-09	1.90E-10	2.06E-09	2.53E-10	8.34E-10	5.75E-11	1.14E-09
951	470585.35	3818745.47	2.90E-09	1.22E-08	1.10E-09	1.61E-08	2.41E-09	8.93E-09	7.86E-10	1.21E-08	2.73E-10	1.57E-09	1.87E-10	2.03E-09	2.49E-10	8.20E-10	5.65E-11	1.12E-09
952	470594.04	3818749.21	2.85E-09	1.19E-08	1.08E-09	1.59E-08	2.37E-09	8.78E-09	7.72E-10	1.19E-08	2.69E-10	1.54E-09	1.84E-10	1.99E-09	2.44E-10	8.05E-10	5.55E-11	1.11E-09
953	470602.73	3818752.94	2.80E-09	1.18E-08	1.06E-09	1.56E-08	2.33E-09	8.63E-09	7.59E-10	1.17E-08	2.64E-10	1.51E-09	1.80E-10	1.96E-09	2.40E-10	7.92E-10	5.46E-11	1.09E-09
954	470611.43	3818756.67	2.75E-09	1.16E-08	1.04E-09	1.54E-08	2.29E-09	8.49E-09	7.47E-10	1.15E-08	2.60E-10	1.49E-09	1.78E-10	1.93E-09	2.36E-10	7.79E-10	5.37E-11	1.07E-09
955	470620.12	3818760.4	2.71E-09	1.14E-08	1.02E-09	1.51E-08	2.26E-09	8.36E-09	7.35E-10	1.13E-08	2.56E-10	1.46E-09	1.75E-10	1.89E-09	2.32E-10	7.67E-10	5.28E-11	1.05E-09
956	470628.81	3818764.13	2.67E-09	1.12E-08	1.01E-09	1.49E-08	2.22E-09	8.23E-09	7.24E-10	1.12E-08	2.52E-10	1.44E-09	1.72E-10	1.86E-09	2.29E-10	7.55E-10	5.20E-11	1.04E-09
957	470637.5	3818767.86	2.62E-09	1.10E-08	9.92E-10	1.46E-08	2.19E-09	8.10E-09	7.12E-10	1.10E-08	2.48E-10	1.42E-09	1.69E-10	1.84E-09	2.25E-10	7.43E-10	5.12E-11	1.02E-09
958	470646.19	3818771.59	2.59E-09	1.09E-08	9.78E-10	1.44E-08	2.15E-09	7.98E-09	7.02E-10	1.08E-08	2.44E-10	1.40E-09	1.67E-10	1.81E-09	2.22E-10	7.32E-10	5.05E-11	1.00E-09
959	470654.89	3818775.32	2.55E-09	1.07E-08	9.64E-10	1.42E-08	2.12E-09	7.87E-09	6.92E-10	1.07E-08	2.41E-10	1.38E-09	1.64E-10	1.78E-09	2.19E-10	7.22E-10	4.98E-11	9.91E-10
960	470795.07	3818980.65	3.81E-09	1.60E-08	1.44E-09	2.13E-08	3.18E-09	1.18E-08	1.03E-09	1.60E-08	3.60E-10	2.06E-09	2.46E-10	2.67E-09	3.27E-10	1.08E-09	7.44E-11	1.48E-09
961	470798.6	3818989.43	3.93E-09	1.65E-08	1.49E-09	2.19E-08	3.28E-09	1.21E-08	1.07E-09	1.65E-08	3.71E-10	2.13E-09	2.54E-10	2.75E-09	3.38E-10	1.11E-09	7.67E-11	1.53E-09
962	470802.14	3818998.2	4.06E-09	1.70E-08	1.53E-09	2.26E-08	3.38E-09	1.25E-08	1.10E-09	1.70E-08	3.83E-10	2.19E-09	2.62E-10	2.84E-09	3.48E-10	1.15E-09	7.91E-11	1.58E-09
963	470805.67	3819006.98	4.18E-09	1.76E-08	1.58E-09	2.33E-08	3.48E-09	1.29E-08	1.14E-09	1.75E-08	3.95E-10	2.26E-09	2.70E-10	2.93E-09	3.59E-10	1.18E-09	8.16E-11	1.62E-09
964	470809.2	3819015.75	4.32E-09	1.81E-08	1.63E-09	2.41E-08	3.59E-09	1.33E-08	1.17E-09	1.81E-08	4.08E-10	2.33E-09	2.78E-10	3.02E-09	3.70E-10	1.22E-09	8.42E-11	1.68E-09
965	470812.73	3819024.53	4.45E-09	1.87E-08	1.68E-09	2.48E-08	3.71E-09	1.37E-08	1.21E-09	1.87E-08	4.20E-10	2.41E-09	2.87E-10	3.11E-09	3.82E-10	1.26E-09	8.69E-11	1.73E-09

966	470816.27	3819033.3	4.59E-09	1.93E-08	1.74E-09	2.56E-08	3.82E-09	1.42E-08	1.25E-09	1.92E-08	4.34E-10	2.48E-09	2.96E-10	3.21E-09	3.94E-10	1.30E-09	8.96E-11	1.78E-09
967	470819.8	3819042.07	4.73E-09	1.99E-08	1.79E-09	2.64E-08	3.94E-09	1.46E-08	1.29E-09	1.98E-08	4.47E-10	2.56E-09	3.05E-10	3.31E-09	4.06E-10	1.34E-09	9.24E-11	1.84E-09
968	470823.33	3819050.85	4.88E-09	2.05E-08	1.85E-09	2.72E-08	4.07E-09	1.51E-08	1.33E-09	2.05E-08	4.61E-10	2.64E-09	3.15E-10	3.41E-09	4.19E-10	1.38E-09	9.53E-11	1.90E-09
969	470826.86	3819059.62	5.03E-09	2.11E-08	1.90E-09	2.81E-08	4.19E-09	1.55E-08	1.37E-09	2.11E-08	4.75E-10	2.72E-09	3.25E-10	3.52E-09	4.32E-10	1.42E-09	9.82E-11	1.95E-09
970	470830.4	3819068.4	5.19E-09	2.18E-08	1.96E-09	2.89E-08	4.32E-09	1.60E-08	1.41E-09	2.17E-08	4.90E-10	2.80E-09	3.35E-10	3.63E-09	4.45E-10	1.47E-09	1.01E-10	2.01E-09
971	470833.93	3819077.17	5.34E-09	2.24E-08	2.02E-09	2.98E-08	4.45E-09	1.65E-08	1.45E-09	2.24E-08	5.05E-10	2.89E-09	3.45E-10	3.74E-09	4.59E-10	1.51E-09	1.04E-10	2.08E-09
972	470837.46	3819085.95	5.50E-09	2.31E-08	2.08E-09	3.07E-08	4.58E-09	1.70E-08	1.49E-09	2.31E-08	5.20E-10	2.97E-09	3.55E-10	3.85E-09	4.72E-10	1.56E-09	1.07E-10	2.14E-09
973	470840.99	3819094.72	5.66E-09	2.38E-08	2.14E-09	3.16E-08	4.72E-09	1.75E-08	1.54E-09	2.37E-08	5.35E-10	3.06E-09	3.65E-10	3.96E-09	4.86E-10	1.60E-09	1.10E-10	2.20E-09
974	470844.53	3819103.5	5.82E-09	2.44E-08	2.20E-09	3.25E-08	4.85E-09	1.80E-08	1.58E-09	2.44E-08	5.50E-10	3.15E-09	3.76E-10	4.07E-09	5.00E-10	1.65E-09	1.14E-10	2.26E-09
975	470848.06	3819112.27	5.98E-09	2.51E-08	2.26E-09	3.34E-08	4.98E-09	1.85E-08	1.62E-09	2.51E-08	5.65E-10	3.23E-09	3.86E-10	4.19E-09	5.14E-10	1.69E-09	1.17E-10	2.32E-09
976	470851.59	3819121.04	6.14E-09	2.58E-08	2.32E-09	3.43E-08	5.12E-09	1.90E-08	1.67E-09	2.57E-08	5.80E-10	3.32E-09	3.96E-10	4.30E-09	5.28E-10	1.74E-09	1.20E-10	2.39E-09
977	470855.12	3819129.82	6.31E-09	2.65E-08	2.39E-09	3.52E-08	5.25E-09	1.95E-08	1.71E-09	2.64E-08	5.96E-10	3.41E-09	4.07E-10	4.41E-09	5.41E-10	1.79E-09	1.23E-10	2.45E-09
978	470858.66	3819138.59	6.47E-09	2.72E-08	2.45E-09	3.61E-08	5.39E-09	2.00E-08	1.76E-09	2.71E-08	6.11E-10	3.50E-09	4.17E-10	4.52E-09	5.55E-10	1.83E-09	1.26E-10	2.51E-09
979	470862.19	3819147.37	6.63E-09	2.78E-08	2.51E-09	3.70E-08	5.52E-09	2.04E-08	1.80E-09	2.78E-08	6.26E-10	3.58E-09	4.27E-10	4.64E-09	5.69E-10	1.88E-09	1.29E-10	2.57E-09
980	470865.72	3819156.14	6.78E-09	2.85E-08	2.56E-09	3.78E-08	5.65E-09	2.09E-08	1.84E-09	2.84E-08	6.40E-10	3.67E-09	4.37E-10	4.74E-09	5.82E-10	1.92E-09	1.32E-10	2.63E-09
981	470869.25	3819164.92	6.93E-09	2.91E-08	2.62E-09	3.87E-08	5.78E-09	2.14E-08	1.88E-09	2.91E-08	6.55E-10	3.75E-09	4.47E-10	4.85E-09	5.95E-10	1.96E-09	1.35E-10	2.69E-09
982	470872.79	3819173.69	7.08E-09	2.97E-08	2.68E-09	3.95E-08	5.90E-09	2.19E-08	1.92E-09	2.97E-08	6.69E-10	3.83E-09	4.57E-10	4.95E-09	6.08E-10	2.00E-09	1.38E-10	2.75E-09
983	470876.32	3819182.47	7.22E-09	3.03E-08	2.73E-09	4.03E-08	6.02E-09	2.23E-08	1.96E-09	3.03E-08	6.82E-10	3.91E-09	4.66E-10	5.05E-09	6.20E-10	2.05E-09	1.41E-10	2.81E-09
984	470879.85	3819191.24	7.36E-09	3.09E-08	2.78E-09	4.11E-08	6.13E-09	2.27E-08	2.00E-09	3.09E-08	6.95E-10	3.98E-09	4.75E-10	5.15E-09	6.32E-10	2.08E-09	1.44E-10	2.86E-09
985	470883.38	3819200.01	7.50E-09	3.15E-08	2.84E-09	4.18E-08	6.24E-09	2.31E-08	2.04E-09	3.14E-08	7.08E-10	4.05E-09	4.84E-10	5.24E-09	6.44E-10	2.12E-09	1.46E-10	2.91E-09
986	470886.92	3819208.79	7.63E-09	3.20E-08	2.88E-09	4.25E-08	6.35E-09	2.35E-08	2.07E-09	3.20E-08	7.20E-10	4.12E-09	4.92E-10	5.33E-09	6.55E-10	2.16E-09	1.49E-10	2.96E-09
987	470890.45	3819217.56	7.75E-09	3.25E-08	2.93E-09	4.32E-08	6.45E-09	2.39E-08	2.10E-09	3.25E-08	7.32E-10	4.19E-09	5.00E-10	5.42E-09	6.65E-10	2.19E-09	1.51E-10	3.01E-09
988	470213.32	3818617.55	5.30E-09	2.23E-08	2.00E-09	2.96E-08	4.41E-09	1.64E-08	1.44E-09	2.22E-08	5.00E-10	2.87E-09	3.42E-10	3.71E-09	4.55E-10	1.50E-09	1.03E-10	2.06E-09
989	470203.76	3818617.42	5.35E-09	2.25E-08	2.02E-09	2.98E-08	4.46E-09	1.65E-08	1.45E-09	2.24E-08	5.05E-10	2.89E-09	3.45E-10	3.74E-09	4.59E-10	1.51E-09	1.04E-10	2.08E-09
990	470194.2	3818617.28	5.39E-09	2.26E-08	2.04E-09	3.00E-08	4.49E-09	1.66E-08	1.46E-09	2.26E-08	5.09E-10	2.91E-09	3.47E-10	3.77E-09	4.62E-10	1.52E-09	1.05E-10	2.09E-09
991	470184.64	3818617.15	5.41E-09	2.27E-08	2.05E-09	3.02E-08	4.51E-09	1.67E-08	1.47E-09	2.27E-08	5.11E-10	2.93E-09	3.49E-10	3.79E-09	4.65E-10	1.53E-09	1.06E-10	2.10E-09
992	470175.08	3818617.01	5.43E-09	2.28E-08	2.06E-09	3.03E-08	4.53E-09	1.68E-08	1.48E-09	2.28E-08	5.13E-10	2.94E-09	3.50E-10	3.80E-09	4.66E-10	1.54E-09	1.06E-10	2.11E-09
993	470165.51	3818616.88	5.45E-09	2.29E-08	2.06E-09	3.04E-08	4.54E-09	1.68E-08	1.48E-09	2.28E-08	5.14E-10	2.95E-09	3.51E-10	3.81E-09	4.68E-10	1.54E-09	1.06E-10	2.12E-09
994	470155.95	3818616.74	5.46E-09	2.29E-08	2.06E-09	3.04E-08	4.55E-09	1.68E-08	1.48E-09	2.29E-08	5.15E-10	2.95E-09	3.52E-10	3.82E-09	4.69E-10	1.54E-09	1.06E-10	2.12E-09
995	470146.39	3818616.61	5.46E-09	2.29E-08	2.06E-09	3.04E-08	4.55E-09	1.68E-08	1.48E-09	2.29E-08	5.16E-10	2.95E-09	3.52E-10	3.82E-09	4.69E-10	1.55E-09	1.07E-10	2.12E-09
996	470136.83	3818616.47	5.45E-09	2.29E-08	2.06E-09	3.04E-08	4.54E-09	1.68E-08	1.48E-09	2.29E-08	5.15E-10	2.95E-09	3.52E-10	3.81E-09	4.68E-10	1.54E-09	1.06E-10	2.12E-09
997	470127.26	3818616.34	5.44E-09	2.28E-08	2.06E-09	3.03E-08	4.53E-09	1.68E-08	1.48E-09	2.28E-08	5.14E-10	2.94E-09	3.51E-10	3.81E-09	4.67E-10	1.54E-09	1.06E-10	2.11E-09
998	470117.7	3818616.2	5.42E-09	2.28E-08	2.05E-09	3.02E-08	4.51E-09	1.67E-08	1.47E-09	2.27E-08	5.12E-10	2.93E-09	3.49E-10	3.79E-09	4.65E-10	1.53E-09	1.06E-10	2.10E-09
999	470491.15	3818664.81	3.20E-09	1.34E-08	1.21E-09	1.78E-08	2.66E-09	9.86E-09	8.67E-10	1.34E-08	3.02E-10	1.73E-09	2.06E-10	2.24E-09	2.74E-10	9.04E-10	6.23E-11	1.24E-09
1000	470499.88	3818668.55	3.14E-09	1.32E-08	1.19E-09	1.75E-08	2.62E-09	9.70E-09	8.53E-10	1.32E-08	2.97E-10	1.70E-09	2.03E-10	2.20E-09	2.70E-10	8.90E-10	6.13E-11	1.22E-09
1001	470508.61	3818672.3	3.10E-09	1.30E-08	1.17E-09	1.73E-08	2.58E-09	9.55E-09	8.41E-10	1.30E-08	2.92E-10	1.67E-09	2.00E-10	2.17E-09	2.66E-10	8.76E-10	6.04E-11	1.20E-09
1002	470517.34	3818676.05	3.05E-09	1.28E-08	1.15E-09	1.70E-08	2.54E-09	9.42E-09	8.28E-10	1.28E-08	2.88E-10	1.65E-09	1.97E-10	2.13E-09	2.62E-10	8.64E-10	5.95E-11	1.19E-09
1003	470526.07	3818679.79	3.00E-09	1.26E-08	1.14E-09	1.67E-08	2.50E-09	9.27E-09	8.15E-10	1.26E-08	2.84E-10	1.62E-09	1.94E-10	2.10E-09	2.58E-10	8.50E-10	5.86E-11	1.17E-09
1004	470534.8	3818683.54	2.95E-09	1.24E-08	1.12E-09	1.65E-08	2.46E-09	9.11E-09	8.01E-10	1.24E-08	2.79E-10	1.60E-09	1.90E-10	2.07E-09	2.53E-10	8.36E-10	5.76E-11	1.15E-09
1005	470543.53	3818687.29	2.90E-09	1.22E-08	1.10E-09	1.62E-08	2.42E-09	8.96E-09	7.88E-10	1.22E-08	2.74E-10	1.57E-09	1.87E-10	2.03E-09	2.49E-10	8.22E-10	5.66E-11	1.13E-09
1006	470552.26	3818691.03	2.85E-09	1.20E-08	1.08E-09	1.59E-08	2.38E-09	8.80E-09	7.74E-10	1.20E-08	2.69E-10	1.54E-09	1.84E-10	2.00E-09	2.45E-10	8.07E-10	5.57E-11	1.11E-09
1007	470560.99	3818694.78	2.80E-09	1.18E-08	1.06E-09	1.56E-08	2.34E-09	8.65E-09	7.61E-10	1.17E-08	2.65E-10	1.52E-09	1.81E-10	1.96E-09	2.41E-10	7.94E-10	5.47E-11	1.09E-09
1008	470595.9	3818709.77	2.62E-09	1.10E-08	9.90E-10	1.46E-08	2.18E-09	8.08E-09	7.11E-10	1.10E-08	2.47E-10	1.41E-09	1.69E-10	1.83E-09	2.25E-10	7.41E-10	5.11E-11	1.02E-09
1009	470604.63	3818713.51	2.57E-09	1.08E-08	9.73E-10	1.44E-08	2.14E-09	7.94E-09	6.99E-10	1.08E-08	2.43E-10	1.39E-09	1.66E-10	1.80E-09	2.21E-10	7.28E-10	5.02E-11	1.00E-09
1010	470700.65	3818754.72	2.19E-09	9.19E-09	8.27E-10	1.22E-08	1.82E-09	6.75E-09	5.94E-10	9.17E-09	2.07E-10	1.18E-09	1.41E-10	1.53E-09	1.88E-10	6.19E-10	4.27E-11	8.50E-10
1011	470709.38	3818758.47	2.16E-09	9.08E-09	8.18E-10	1.21E-08	1.80E-09	6.67E-09	5.87E-10	9.06E-09	2.04E-10	1.17E-09	1.39E-10	1.51E-09	1.86E-10	6.12E-10	4.22E-11	8.40E-10
1012	470718.11	3818762.22	2.14E-09	8.99E-09	8.09E-10	1.19E-08	1.78E-09	6.60E-09	5.81E-10	8.97E-09	2.02E-10	1.16E-09	1.38E-10	1.50E-09	1.84E-10	6.06E-10	4.18E-11	8.31E-10
1013	470726.84	3818765.96	2.12E-09	8.90E-09	8.01E-10	1.18E-08	1.76E-09	6.54E-09	5.75E-10	8.88E-09	2.00E-10	1.15E-09	1.37E-10	1.48E-09	1.82E-10	6.00E-10	4.13E-11	8.23E-10
1014	470735.57	3818769.71	2.10E-09	8.82E-09	7.94E-10	1.17E-08	1.75E-09	6.48E-09	5.70E-10	8.80E-09	1.98E-10	1.13E-09	1.35E-10	1.47E-09	1.80E-10	5.94E-10	4.10E-11	8.15E-10
1015	470744.3	3818773.46	2.08E-09	8.74E-09	7.88E-10	1.16E-08	1.73E-09	6.43E-09	5.65E-10	8.73E-09	1.97E-10	1.13E-09	1.34E-10	1.46E-09	1.79E-10	5.89E-10	4.06E-11	8.09E-10
1016	470756.57	3818786.02	2.10E-09	8.82E-09	7.94E-10	1.17E-08	1.75E-09	6.48E-09	5.70E-10	8.80E-09	1.98E-10	1.13E-09	1.35E-10	1.47E-09	1.80E-10	5.94E-10	4.10E-11	8.15E-10

1017	470760.12	3818794.83	2.13E-09	8.96E-09	8.07E-10	1.19E-08	1.78E-09	6.58E-09	5.79E-10	8.94E-09	2.01E-10	1.15E-09	1.38E-10	1.49E-09	1.83E-10	6.04E-10	4.16E-11	8.29E-10
1018	470763.67	3818803.64	2.17E-09	9.12E-09	8.21E-10	1.21E-08	1.81E-09	6.70E-09	5.89E-10	9.10E-09	2.05E-10	1.17E-09	1.40E-10	1.52E-09	1.86E-10	6.14E-10	4.24E-11	8.43E-10
1019	470767.22	3818812.45	2.21E-09	9.28E-09	8.36E-10	1.23E-08	1.84E-09	6.82E-09	6.00E-10	9.26E-09	2.09E-10	1.19E-09	1.43E-10	1.55E-09	1.90E-10	6.26E-10	4.31E-11	8.58E-10
1020	470770.76	3818821.26	2.25E-09	9.46E-09	8.52E-10	1.26E-08	1.88E-09	6.95E-09	6.11E-10	9.44E-09	2.13E-10	1.22E-09	1.45E-10	1.58E-09	1.93E-10	6.38E-10	4.40E-11	8.75E-10
1021	470774.31	3818830.08	2.30E-09	9.65E-09	8.69E-10	1.28E-08	1.91E-09	7.09E-09	6.24E-10	9.63E-09	2.17E-10	1.24E-09	1.48E-10	1.61E-09	1.97E-10	6.50E-10	4.48E-11	8.92E-10
1022	470777.86	3818838.89	2.35E-09	9.85E-09	8.87E-10	1.31E-08	1.95E-09	7.24E-09	6.37E-10	9.83E-09	2.22E-10	1.27E-09	1.51E-10	1.64E-09	2.01E-10	6.64E-10	4.58E-11	9.11E-10
1023	470781.41	3818847.7	2.40E-09	1.01E-08	9.07E-10	1.34E-08	2.00E-09	7.40E-09	6.51E-10	1.00E-08	2.26E-10	1.30E-09	1.55E-10	1.68E-09	2.06E-10	6.79E-10	4.68E-11	9.31E-10
1024	470784.95	3818856.51	2.45E-09	1.03E-08	9.27E-10	1.37E-08	2.04E-09	7.57E-09	6.66E-10	1.03E-08	2.32E-10	1.33E-09	1.58E-10	1.72E-09	2.11E-10	6.94E-10	4.78E-11	9.52E-10
1025	470788.5	3818865.32	2.51E-09	1.05E-08	9.49E-10	1.40E-08	2.09E-09	7.75E-09	6.81E-10	1.05E-08	2.37E-10	1.36E-09	1.62E-10	1.76E-09	2.16E-10	7.11E-10	4.90E-11	9.75E-10
1026	470792.05	3818874.13	2.57E-09	1.08E-08	9.73E-10	1.43E-08	2.14E-09	7.94E-09	6.98E-10	1.08E-08	2.43E-10	1.39E-09	1.66E-10	1.80E-09	2.21E-10	7.28E-10	5.02E-11	9.99E-10
1027	470795.6	3818882.95	2.64E-09	1.11E-08	9.97E-10	1.47E-08	2.20E-09	8.13E-09	7.15E-10	1.10E-08	2.49E-10	1.42E-09	1.70E-10	1.84E-09	2.26E-10	7.46E-10	5.14E-11	1.02E-09
1028	470799.14	3818891.76	2.70E-09	1.14E-08	1.02E-09	1.51E-08	2.25E-09	8.34E-09	7.34E-10	1.13E-08	2.55E-10	1.46E-09	1.74E-10	1.89E-09	2.32E-10	7.65E-10	5.27E-11	1.05E-09
1029	470866.55	3819059.18	4.68E-09	1.96E-08	1.77E-09	2.61E-08	3.90E-09	1.44E-08	1.27E-09	1.96E-08	4.42E-10	2.53E-09	3.02E-10	3.27E-09	4.02E-10	1.32E-09	9.13E-11	1.82E-09
1030	470870.09	3819067.99	4.81E-09	2.02E-08	1.82E-09	2.69E-08	4.01E-09	1.49E-08	1.31E-09	2.02E-08	4.55E-10	2.60E-09	3.11E-10	3.37E-09	4.13E-10	1.36E-09	9.39E-11	1.87E-09
1031	470873.64	3819076.8	4.95E-09	2.08E-08	1.87E-09	2.76E-08	4.12E-09	1.53E-08	1.34E-09	2.07E-08	4.68E-10	2.68E-09	3.19E-10	3.46E-09	4.25E-10	1.40E-09	9.66E-11	1.92E-09
1032	470877.19	3819085.62	5.09E-09	2.14E-08	1.92E-09	2.84E-08	4.24E-09	1.57E-08	1.38E-09	2.13E-08	4.81E-10	2.75E-09	3.28E-10	3.56E-09	4.37E-10	1.44E-09	9.93E-11	1.98E-09
1033	470880.74	3819094.43	5.23E-09	2.20E-08	1.98E-09	2.92E-08	4.35E-09	1.61E-08	1.42E-09	2.19E-08	4.94E-10	2.83E-09	3.37E-10	3.66E-09	4.49E-10	1.48E-09	1.02E-10	2.03E-09
1034	470884.28	3819103.24	5.37E-09	2.25E-08	2.03E-09	2.99E-08	4.47E-09	1.66E-08	1.46E-09	2.25E-08	5.07E-10	2.90E-09	3.46E-10	3.75E-09	4.61E-10	1.52E-09	1.05E-10	2.08E-09
1035	470887.83	3819112.05	5.51E-09	2.31E-08	2.08E-09	3.07E-08	4.59E-09	1.70E-08	1.49E-09	2.31E-08	5.20E-10	2.98E-09	3.55E-10	3.85E-09	4.73E-10	1.56E-09	1.07E-10	2.14E-09
1036	470891.38	3819120.86	5.65E-09	2.37E-08	2.14E-09	3.15E-08	4.70E-09	1.74E-08	1.53E-09	2.37E-08	5.33E-10	3.05E-09	3.64E-10	3.95E-09	4.85E-10	1.60E-09	1.10E-10	2.19E-09
1037	470894.93	3819129.68	5.79E-09	2.43E-08	2.19E-09	3.23E-08	4.82E-09	1.79E-08	1.57E-09	2.43E-08	5.46E-10	3.13E-09	3.73E-10	4.05E-09	4.97E-10	1.64E-09	1.13E-10	2.25E-09
1038	470898.48	3819138.49	5.92E-09	2.49E-08	2.24E-09	3.30E-08	4.93E-09	1.83E-08	1.61E-09	2.48E-08	5.59E-10	3.20E-09	3.82E-10	4.14E-09	5.09E-10	1.68E-09	1.16E-10	2.30E-09
1039	470902.02	3819147.3	6.06E-09	2.54E-08	2.29E-09	3.38E-08	5.05E-09	1.87E-08	1.64E-09	2.54E-08	5.72E-10	3.28E-09	3.91E-10	4.24E-09	5.20E-10	1.72E-09	1.18E-10	2.35E-09
1040	470905.57	3819156.11	6.19E-09	2.60E-08	2.34E-09	3.45E-08	5.16E-09	1.91E-08	1.68E-09	2.59E-08	5.85E-10	3.35E-09	3.99E-10	4.33E-09	5.31E-10	1.75E-09	1.21E-10	2.40E-09
1041	470909.12	3819164.92	6.32E-09	2.65E-08	2.39E-09	3.52E-08	5.26E-09	1.95E-08	1.72E-09	2.65E-08	5.97E-10	3.42E-09	4.08E-10	4.42E-09	5.42E-10	1.79E-09	1.23E-10	2.45E-09
1042	470912.67	3819173.73	6.45E-09	2.71E-08	2.44E-09	3.59E-08	5.37E-09	1.99E-08	1.75E-09	2.70E-08	6.09E-10	3.48E-09	4.16E-10	4.51E-09	5.53E-10	1.82E-09	1.26E-10	2.50E-09
1043	470916.21	3819182.55	6.57E-09	2.76E-08	2.48E-09	3.66E-08	5.47E-09	2.03E-08	1.78E-09	2.75E-08	6.20E-10	3.55E-09	4.24E-10	4.59E-09	5.64E-10	1.86E-09	1.28E-10	2.55E-09
1044	470919.76	3819191.36	6.69E-09	2.81E-08	2.53E-09	3.73E-08	5.57E-09	2.06E-08	1.81E-09	2.80E-08	6.31E-10	3.61E-09	4.31E-10	4.68E-09	5.74E-10	1.89E-09	1.30E-10	2.60E-09
1045	470923.31	3819200.17	6.80E-09	2.86E-08	2.57E-09	3.79E-08	5.66E-09	2.10E-08	1.85E-09	2.85E-08	6.42E-10	3.68E-09	4.39E-10	4.76E-09	5.84E-10	1.92E-09	1.33E-10	2.64E-09
1046	470926.86	3819208.98	6.91E-09	2.90E-08	2.61E-09	3.85E-08	5.75E-09	2.13E-08	1.87E-09	2.89E-08	6.52E-10	3.73E-09	4.45E-10	4.83E-09	5.93E-10	1.95E-09	1.35E-10	2.68E-09
1047	470930.4	3819217.79	7.01E-09	2.94E-08	2.65E-09	3.91E-08	5.84E-09	2.16E-08	1.90E-09	2.94E-08	6.62E-10	3.79E-09	4.52E-10	4.90E-09	6.02E-10	1.98E-09	1.37E-10	2.72E-09
1048	470175.64	3818577.02	4.85E-09	2.04E-08	1.84E-09	2.71E-08	4.04E-09	1.50E-08	1.32E-09	2.03E-08	4.58E-10	2.62E-09	3.13E-10	3.39E-09	4.17E-10	1.37E-09	9.47E-11	1.88E-09
1049	470166.08	3818576.88	4.87E-09	2.04E-08	1.84E-09	2.71E-08	4.05E-09	1.50E-08	1.32E-09	2.04E-08	4.59E-10	2.63E-09	3.14E-10	3.40E-09	4.18E-10	1.38E-09	9.49E-11	1.89E-09
1050	470156.52	3818576.75	4.88E-09	2.05E-08	1.84E-09	2.72E-08	4.06E-09	1.50E-08	1.32E-09	2.04E-08	4.60E-10	2.64E-09	3.15E-10	3.41E-09	4.19E-10	1.38E-09	9.51E-11	1.89E-09
1051	470146.95	3818576.61	4.88E-09	2.05E-08	1.85E-09	2.72E-08	4.06E-09	1.51E-08	1.32E-09	2.04E-08	4.61E-10	2.64E-09	3.15E-10	3.41E-09	4.19E-10	1.38E-09	9.52E-11	1.90E-09
1052	470137.39	3818576.48	4.97E-09	2.09E-08	1.88E-09	2.77E-08	4.14E-09	1.53E-08	1.35E-09	2.08E-08	4.69E-10	2.69E-09	3.20E-10	3.47E-09	4.26E-10	1.41E-09	9.69E-11	1.93E-09
1053	470127.83	3818576.34	4.95E-09	2.08E-08	1.87E-09	2.76E-08	4.12E-09	1.53E-08	1.34E-09	2.07E-08	4.68E-10	2.68E-09	3.19E-10	3.46E-09	4.25E-10	1.40E-09	9.66E-11	1.92E-09
1054	470118.27	3818576.21	4.93E-09	2.07E-08	1.86E-09	2.75E-08	4.10E-09	1.52E-08	1.34E-09	2.06E-08	4.65E-10	2.66E-09	3.18E-10	3.45E-09	4.23E-10	1.39E-09	9.61E-11	1.91E-09
1055	470501.24	3818628.9	2.88E-09	1.21E-08	1.09E-09	1.60E-08	2.40E-09	8.88E-09	7.81E-10	1.21E-08	2.72E-10	1.56E-09	1.86E-10	2.01E-09	2.47E-10	8.15E-10	5.61E-11	1.12E-09
1056	470510	3818632.66	2.83E-09	1.19E-08	1.07E-09	1.58E-08	2.36E-09	8.75E-09	7.69E-10	1.19E-08	2.68E-10	1.53E-09	1.83E-10	1.98E-09	2.43E-10	8.02E-10	5.53E-11	1.10E-09
1057	470518.77	3818636.42	2.79E-09	1.17E-08	1.06E-09	1.56E-08	2.32E-09	8.61E-09	7.57E-10	1.17E-08	2.64E-10	1.51E-09	1.80E-10	1.95E-09	2.40E-10	7.90E-10	5.44E-11	1.08E-09
1058	470527.53	3818640.18	2.75E-09	1.15E-08	1.04E-09	1.53E-08	2.29E-09	8.48E-09	7.46E-10	1.15E-08	2.59E-10	1.48E-09	1.77E-10	1.92E-09	2.36E-10	7.77E-10	5.36E-11	1.07E-09
1059	470536.29	3818643.94	2.71E-09	1.14E-08	1.02E-09	1.51E-08	2.25E-09	8.35E-09	7.34E-10	1.13E-08	2.55E-10	1.46E-09	1.74E-10	1.89E-09	2.32E-10	7.66E-10	5.28E-11	1.05E-09
1060	470545.05	3818647.7	2.67E-09	1.12E-08	1.01E-09	1.49E-08	2.22E-09	8.23E-09	7.24E-10	1.12E-08	2.52E-10	1.44E-09	1.72E-10	1.87E-09	2.29E-10	7.55E-10	5.20E-11	1.04E-09
1061	470553.81	3818651.46	2.63E-09	1.10E-08	9.93E-10	1.46E-08	2.19E-09	8.10E-09	7.13E-10	1.10E-08	2.48E-10	1.42E-09	1.69E-10	1.84E-09	2.25E-10	7.43E-10	5.12E-11	1.02E-09
1062	470562.58	3818655.22	2.58E-09	1.09E-08	9.77E-10	1.44E-08	2.15E-09	7.97E-09	7.01E-10	1.08E-08	2.44E-10	1.40E-09	1.67E-10	1.81E-09	2.22E-10	7.31E-10	5.04E-11	1.00E-09
1063	470571.34	3818658.98	2.54E-09	1.07E-08	9.61E-10	1.42E-08	2.12E-09	7.84E-09	6.90E-10	1.06E-08	2.40E-10	1.37E-09	1.64E-10	1.78E-09	2.18E-10	7.19E-10	4.96E-11	9.87E-10
1064	470580.1	3818662.75	2.50E-09	1.05E-08	9.45E-10	1.39E-08	2.08E-09	7.71E-09	6.79E-10	1.05E-08	2.36E-10	1.35E-09	1.61E-10	1.75E-09	2.15E-10	7.08E-10	4.88E-11	9.71E-10
1065	470667.72	3818700.35	2.13E-09	8.93E-09	8.04E-10	1.19E-08	1.77E-09	6.56E-09	5.77E-10	8.91E-09	2.01E-10	1.15E-09	1.37E-10	1.49E-09	1.82E-10	6.02E-10	4.15E-11	8.26E-10
1066	470676.48	3818704.11	2.09E-09	8.79E-09	7.92E-10	1.17E-08	1.74E-09	6.46E-09	5.68E-10	8.77E-09	1.98E-10	1.13E-09	1.35E-10	1.46E-09	1.80E-10	5.93E-10	4.09E-11	8.13E-10
1067	470685.25	3818707.87	2.06E-09	8.67E-09	7.81E-10	1.15E-08	1.72E-09	6.37E-09	5.60E-10	8.65E-09	1.95E-10	1.12E-09	1.33E-10	1.44E-09	1.77E-10	5.84E-10	4.03E-11	8.02E-10

1068	470694.01	3818711.64	2.04E-09	8.55E-09	7.70E-10	1.14E-08	1.70E-09	6.28E-09	5.53E-10	8.53E-09	1.92E-10	1.10E-09	1.31E-10	1.42E-09	1.75E-10	5.76E-10	3.97E-11	7.91E-10
1069	470702.77	3818715.4	2.01E-09	8.43E-09	7.59E-10	1.12E-08	1.67E-09	6.20E-09	5.45E-10	8.41E-09	1.90E-10	1.09E-09	1.30E-10	1.40E-09	1.72E-10	5.68E-10	3.92E-11	7.80E-10
1070	470711.53	3818719.16	1.98E-09	8.33E-09	7.50E-10	1.11E-08	1.65E-09	6.12E-09	5.38E-10	8.31E-09	1.87E-10	1.07E-09	1.28E-10	1.39E-09	1.70E-10	5.61E-10	3.87E-11	7.70E-10
1071	470720.29	3818722.92	1.96E-09	8.23E-09	7.41E-10	1.09E-08	1.63E-09	6.04E-09	5.32E-10	8.21E-09	1.85E-10	1.06E-09	1.26E-10	1.37E-09	1.68E-10	5.54E-10	3.82E-11	7.61E-10
1072	470729.06	3818726.68	1.94E-09	8.13E-09	7.33E-10	1.08E-08	1.61E-09	5.98E-09	5.26E-10	8.12E-09	1.83E-10	1.05E-09	1.25E-10	1.35E-09	1.66E-10	5.48E-10	3.78E-11	7.52E-10
1073	470737.82	3818730.44	1.92E-09	8.05E-09	7.25E-10	1.07E-08	1.60E-09	5.91E-09	5.20E-10	8.03E-09	1.81E-10	1.04E-09	1.24E-10	1.34E-09	1.65E-10	5.42E-10	3.74E-11	7.44E-10
1074	470746.58	3818734.2	1.90E-09	7.97E-09	7.17E-10	1.06E-08	1.58E-09	5.85E-09	5.15E-10	7.95E-09	1.79E-10	1.03E-09	1.22E-10	1.33E-09	1.63E-10	5.37E-10	3.70E-11	7.37E-10
1075	470755.34	3818737.96	1.88E-09	7.89E-09	7.11E-10	1.05E-08	1.57E-09	5.80E-09	5.10E-10	7.88E-09	1.78E-10	1.02E-09	1.21E-10	1.32E-09	1.61E-10	5.32E-10	3.67E-11	7.30E-10
1076	470764.1	3818741.72	1.86E-09	7.83E-09	7.05E-10	1.04E-08	1.55E-09	5.75E-09	5.06E-10	7.81E-09	1.76E-10	1.01E-09	1.20E-10	1.30E-09	1.60E-10	5.28E-10	3.64E-11	7.24E-10
1077	470772.87	3818745.48	1.85E-09	7.77E-09	6.99E-10	1.03E-08	1.54E-09	5.71E-09	5.02E-10	7.75E-09	1.75E-10	1.00E-09	1.19E-10	1.29E-09	1.59E-10	5.23E-10	3.61E-11	7.18E-10
1078	470785.19	3818758.09	1.86E-09	7.83E-09	7.05E-10	1.04E-08	1.55E-09	5.75E-09	5.06E-10	7.81E-09	1.76E-10	1.01E-09	1.20E-10	1.30E-09	1.60E-10	5.27E-10	3.64E-11	7.24E-10
1079	470788.75	3818766.93	1.89E-09	7.95E-09	7.16E-10	1.06E-08	1.58E-09	5.84E-09	5.14E-10	7.93E-09	1.79E-10	1.02E-09	1.22E-10	1.32E-09	1.62E-10	5.36E-10	3.69E-11	7.35E-10
1080	470792.31	3818775.78	1.92E-09	8.08E-09	7.28E-10	1.07E-08	1.60E-09	5.94E-09	5.22E-10	8.06E-09	1.82E-10	1.04E-09	1.24E-10	1.35E-09	1.65E-10	5.45E-10	3.75E-11	7.47E-10
1081	470795.87	3818784.62	1.96E-09	8.22E-09	7.40E-10	1.09E-08	1.63E-09	6.04E-09	5.31E-10	8.20E-09	1.85E-10	1.06E-09	1.26E-10	1.37E-09	1.68E-10	5.54E-10	3.82E-11	7.60E-10
1082	470799.43	3818793.47	1.99E-09	8.37E-09	7.54E-10	1.11E-08	1.66E-09	6.15E-09	5.41E-10	8.35E-09	1.88E-10	1.08E-09	1.29E-10	1.39E-09	1.71E-10	5.64E-10	3.89E-11	7.74E-10
1083	470802.99	3818802.31	2.03E-09	8.53E-09	7.68E-10	1.13E-08	1.69E-09	6.26E-09	5.51E-10	8.51E-09	1.92E-10	1.10E-09	1.31E-10	1.42E-09	1.74E-10	5.75E-10	3.96E-11	7.89E-10
1084	470806.56	3818811.16	2.07E-09	8.70E-09	7.83E-10	1.15E-08	1.72E-09	6.39E-09	5.62E-10	8.68E-09	1.96E-10	1.12E-09	1.34E-10	1.45E-09	1.78E-10	5.86E-10	4.04E-11	8.04E-10
1085	470810.12	3818820	2.11E-09	8.87E-09	7.99E-10	1.18E-08	1.76E-09	6.52E-09	5.74E-10	8.85E-09	2.00E-10	1.14E-09	1.36E-10	1.48E-09	1.81E-10	5.98E-10	4.12E-11	8.21E-10
1086	470813.68	3818828.85	2.16E-09	9.06E-09	8.16E-10	1.20E-08	1.80E-09	6.66E-09	5.86E-10	9.04E-09	2.04E-10	1.17E-09	1.39E-10	1.51E-09	1.85E-10	6.11E-10	4.21E-11	8.38E-10
1087	470817.24	3818837.69	2.21E-09	9.27E-09	8.34E-10	1.23E-08	1.84E-09	6.81E-09	5.99E-10	9.25E-09	2.08E-10	1.19E-09	1.42E-10	1.54E-09	1.89E-10	6.25E-10	4.31E-11	8.57E-10
1088	470820.8	3818846.54	2.26E-09	9.48E-09	8.54E-10	1.26E-08	1.88E-09	6.97E-09	6.13E-10	9.46E-09	2.13E-10	1.22E-09	1.46E-10	1.58E-09	1.94E-10	6.39E-10	4.40E-11	8.77E-10
1089	470824.36	3818855.38	2.31E-09	9.70E-09	8.74E-10	1.29E-08	1.92E-09	7.13E-09	6.27E-10	9.68E-09	2.18E-10	1.25E-09	1.49E-10	1.62E-09	1.98E-10	6.54E-10	4.51E-11	8.98E-10
1090	470827.92	3818864.23	2.37E-09	9.94E-09	8.95E-10	1.32E-08	1.97E-09	7.30E-09	6.43E-10	9.92E-09	2.24E-10	1.28E-09	1.53E-10	1.66E-09	2.03E-10	6.70E-10	4.62E-11	9.19E-10
1091	470831.48	3818873.08	2.43E-09	1.02E-08	9.18E-10	1.35E-08	2.02E-09	7.49E-09	6.59E-10	1.02E-08	2.29E-10	1.31E-09	1.57E-10	1.70E-09	2.08E-10	6.87E-10	4.74E-11	9.43E-10
1092	470835.04	3818881.92	2.49E-09	1.05E-08	9.41E-10	1.39E-08	2.07E-09	7.68E-09	6.76E-10	1.04E-08	2.35E-10	1.35E-09	1.61E-10	1.74E-09	2.14E-10	7.05E-10	4.86E-11	9.67E-10
1093	470838.6	3818890.77	2.56E-09	1.07E-08	9.66E-10	1.43E-08	2.13E-09	7.88E-09	6.94E-10	1.07E-08	2.41E-10	1.38E-09	1.65E-10	1.79E-09	2.19E-10	7.23E-10	4.99E-11	9.92E-10
1094	470842.17	3818899.61	2.62E-09	1.10E-08	9.92E-10	1.46E-08	2.18E-09	8.09E-09	7.12E-10	1.10E-08	2.48E-10	1.42E-09	1.69E-10	1.83E-09	2.25E-10	7.42E-10	5.12E-11	1.02E-09
1095	470845.73	3818908.46	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.31E-09	7.31E-10	1.13E-08	2.54E-10	1.46E-09	1.74E-10	1.88E-09	2.31E-10	7.63E-10	5.26E-11	1.05E-09
1096	470849.29	3818917.3	2.77E-09	1.16E-08	1.05E-09	1.54E-08	2.31E-09	8.54E-09	7.52E-10	1.16E-08	2.61E-10	1.50E-09	1.79E-10	1.94E-09	2.38E-10	7.84E-10	5.40E-11	1.08E-09
1097	470852.85	3818926.15	2.85E-09	1.20E-08	1.08E-09	1.59E-08	2.37E-09	8.78E-09	7.73E-10	1.19E-08	2.69E-10	1.54E-09	1.84E-10	1.99E-09	2.44E-10	8.06E-10	5.55E-11	1.11E-09
1098	470856.41	3818934.99	2.93E-09	1.23E-08	1.11E-09	1.63E-08	2.44E-09	9.03E-09	7.94E-10	1.23E-08	2.76E-10	1.58E-09	1.89E-10	2.05E-09	2.51E-10	8.28E-10	5.71E-11	1.14E-09
1099	470859.97	3818943.84	3.01E-09	1.26E-08	1.14E-09	1.68E-08	2.51E-09	9.29E-09	8.17E-10	1.26E-08	2.84E-10	1.63E-09	1.94E-10	2.11E-09	2.58E-10	8.52E-10	5.87E-11	1.17E-09
1100	470863.53	3818952.68	3.10E-09	1.30E-08	1.17E-09	1.73E-08	2.58E-09	9.55E-09	8.41E-10	1.30E-08	2.92E-10	1.67E-09	2.00E-10	2.17E-09	2.66E-10	8.76E-10	6.04E-11	1.20E-09
1101	470867.09	3818961.53	3.19E-09	1.34E-08	1.21E-09	1.78E-08	2.65E-09	9.83E-09	8.65E-10	1.34E-08	3.01E-10	1.72E-09	2.06E-10	2.23E-09	2.74E-10	9.02E-10	6.22E-11	1.24E-09
1102	470870.65	3818970.37	3.28E-09	1.38E-08	1.24E-09	1.83E-08	2.73E-09	1.01E-08	8.90E-10	1.37E-08	3.10E-10	1.77E-09	2.12E-10	2.29E-09	2.82E-10	9.28E-10	6.40E-11	1.27E-09
1103	470874.21	3818979.22	3.38E-09	1.42E-08	1.28E-09	1.88E-08	2.81E-09	1.04E-08	9.16E-10	1.41E-08	3.19E-10	1.82E-09	2.18E-10	2.36E-09	2.90E-10	9.56E-10	6.59E-11	1.31E-09
1104	470877.78	3818988.06	3.47E-09	1.46E-08	1.31E-09	1.94E-08	2.89E-09	1.07E-08	9.43E-10	1.46E-08	3.28E-10	1.88E-09	2.24E-10	2.43E-09	2.98E-10	9.83E-10	6.78E-11	1.35E-09
1105	470881.34	3818996.91	3.58E-09	1.50E-08	1.35E-09	1.99E-08	2.98E-09	1.10E-08	9.71E-10	1.50E-08	3.38E-10	1.93E-09	2.31E-10	2.50E-09	3.07E-10	1.01E-09	6.98E-11	1.39E-09
1106	470945.43	3819156.12	5.67E-09	2.38E-08	2.15E-09	3.16E-08	4.73E-09	1.75E-08	1.54E-09	2.38E-08	5.36E-10	3.07E-09	3.66E-10	3.97E-09	4.87E-10	1.61E-09	1.11E-10	2.20E-09
1107	470949	3819164.97	5.78E-09	2.43E-08	2.19E-09	3.23E-08	4.82E-09	1.78E-08	1.57E-09	2.42E-08	5.46E-10	3.13E-09	3.73E-10	4.05E-09	4.96E-10	1.64E-09	1.13E-10	2.25E-09
1108	470952.56	3819173.81	5.89E-09	2.47E-08	2.23E-09	3.29E-08	4.91E-09	1.82E-08	1.60E-09	2.47E-08	5.56E-10	3.18E-09	3.80E-10	4.12E-09	5.06E-10	1.67E-09	1.15E-10	2.29E-09
1109	470956.12	3819182.66	5.99E-09	2.52E-08	2.27E-09	3.34E-08	4.99E-09	1.85E-08	1.63E-09	2.51E-08	5.66E-10	3.24E-09	3.87E-10	4.19E-09	5.15E-10	1.70E-09	1.17E-10	2.33E-09
1110	470959.68	3819191.5	6.09E-09	2.56E-08	2.30E-09	3.40E-08	5.08E-09	1.88E-08	1.65E-09	2.55E-08	5.76E-10	3.29E-09	3.93E-10	4.26E-09	5.23E-10	1.73E-09	1.19E-10	2.37E-09
1111	470963.24	3819200.35	6.19E-09	2.60E-08	2.34E-09	3.45E-08	5.16E-09	1.91E-08	1.68E-09	2.59E-08	5.85E-10	3.35E-09	3.99E-10	4.33E-09	5.31E-10	1.75E-09	1.21E-10	2.40E-09
1112	470966.8	3819209.19	6.28E-09	2.64E-08	2.38E-09	3.50E-08	5.23E-09	1.94E-08	1.71E-09	2.63E-08	5.93E-10	3.40E-09	4.05E-10	4.39E-09	5.39E-10	1.78E-09	1.23E-10	2.44E-09
1113	470970.36	3819218.04	6.37E-09	2.67E-08	2.41E-09	3.55E-08	5.30E-09	1.97E-08	1.73E-09	2.67E-08	6.01E-10	3.44E-09	4.11E-10	4.45E-09	5.47E-10	1.80E-09	1.24E-10	2.47E-09
1114	470157.08	3818536.75	4.38E-09	1.84E-08	1.66E-09	2.44E-08	3.65E-09	1.35E-08	1.19E-09	1.84E-08	4.14E-10	2.37E-09	2.83E-10	3.07E-09	3.76E-10	1.24E-09	8.55E-11	1.70E-09
1115	470147.52	3818536.61	4.39E-09	1.84E-08	1.66E-09	2.45E-08	3.65E-09	1.35E-08	1.19E-09	1.84E-08	4.14E-10	2.37E-09	2.83E-10	3.07E-09	3.77E-10	1.24E-09	8.56E-11	1.70E-09
1116	470137.96	3818536.48	4.47E-09	1.88E-08	1.69E-09	2.49E-08	3.73E-09	1.38E-08	1.21E-09	1.87E-08	4.22E-10	2.42E-09	2.88E-10	3.13E-09	3.84E-10	1.27E-09	8.73E-11	1.74E-09
1117	470128.39	3818536.34	4.46E-09	1.87E-08	1.69E-09	2.49E-08	3.72E-09	1.38E-08	1.21E-09	1.87E-08	4.21E-10	2.41E-09	2.88E-10	3.12E-09	3.83E-10	1.26E-09	8.71E-11	1.73E-09
1118	470118.83	3818536.21	4.44E-09	1.87E-08	1.68E-09	2.48E-08	3.70E-09	1.37E-08	1.21E-09	1.86E-08	4.20E-10	2.40E-09	2.87E-10	3.11E-09	3.81E-10	1.26E-09	8.67E-11	1.73E-09

1119	470543.76	3818566.67	2.29E-09	9.62E-09	8.67E-10	1.28E-08	1.91E-09	7.07E-09	6.22E-10	9.60E-09	2.16E-10	1.24E-09	1.48E-10	1.60E-09	1.97E-10	6.49E-10	4.47E-11	8.90E-10
1120	470552.44	3818570.4	2.26E-09	9.49E-09	8.55E-10	1.26E-08	1.88E-09	6.97E-09	6.14E-10	9.47E-09	2.13E-10	1.22E-09	1.46E-10	1.58E-09	1.94E-10	6.40E-10	4.41E-11	8.78E-10
1121	470561.12	3818574.12	2.23E-09	9.36E-09	8.43E-10	1.24E-08	1.86E-09	6.87E-09	6.05E-10	9.33E-09	2.10E-10	1.20E-09	1.44E-10	1.56E-09	1.91E-10	6.31E-10	4.35E-11	8.65E-10
1122	470569.8	3818577.85	2.20E-09	9.22E-09	8.31E-10	1.22E-08	1.83E-09	6.78E-09	5.96E-10	9.20E-09	2.07E-10	1.19E-09	1.42E-10	1.54E-09	1.89E-10	6.22E-10	4.29E-11	8.53E-10
1123	470578.48	3818581.57	2.16E-09	9.09E-09	8.18E-10	1.21E-08	1.80E-09	6.68E-09	5.87E-10	9.07E-09	2.04E-10	1.17E-09	1.40E-10	1.51E-09	1.86E-10	6.13E-10	4.22E-11	8.41E-10
1124	470587.15	3818585.3	2.13E-09	8.96E-09	8.06E-10	1.19E-08	1.78E-09	6.58E-09	5.79E-10	8.94E-09	2.01E-10	1.15E-09	1.38E-10	1.49E-09	1.83E-10	6.04E-10	4.16E-11	8.28E-10
1125	470595.83	3818589.02	2.10E-09	8.82E-09	7.95E-10	1.17E-08	1.75E-09	6.48E-09	5.70E-10	8.80E-09	1.98E-10	1.14E-09	1.36E-10	1.47E-09	1.80E-10	5.95E-10	4.10E-11	8.16E-10
1126	470604.51	3818592.75	2.07E-09	8.69E-09	7.83E-10	1.15E-08	1.72E-09	6.39E-09	5.62E-10	8.67E-09	1.95E-10	1.12E-09	1.33E-10	1.45E-09	1.78E-10	5.86E-10	4.04E-11	8.04E-10
1127	470613.19	3818596.47	2.04E-09	8.56E-09	7.71E-10	1.14E-08	1.70E-09	6.29E-09	5.53E-10	8.54E-09	1.92E-10	1.10E-09	1.31E-10	1.43E-09	1.75E-10	5.77E-10	3.98E-11	7.92E-10
1128	470621.87	3818600.2	2.01E-09	8.43E-09	7.59E-10	1.12E-08	1.67E-09	6.19E-09	5.45E-10	8.41E-09	1.90E-10	1.09E-09	1.29E-10	1.40E-09	1.72E-10	5.68E-10	3.92E-11	7.80E-10
1129	470673.94	3818622.55	1.83E-09	7.70E-09	6.93E-10	1.02E-08	1.53E-09	5.65E-09	4.97E-10	7.68E-09	1.73E-10	9.91E-10	1.18E-10	1.28E-09	1.57E-10	5.19E-10	3.58E-11	7.12E-10
1130	470682.62	3818626.27	1.81E-09	7.58E-09	6.83E-10	1.01E-08	1.50E-09	5.57E-09	4.90E-10	7.56E-09	1.70E-10	9.76E-10	1.16E-10	1.26E-09	1.55E-10	5.11E-10	3.52E-11	7.01E-10
1131	470691.3	3818630	1.78E-09	7.47E-09	6.73E-10	9.92E-09	1.48E-09	5.49E-09	4.83E-10	7.45E-09	1.68E-10	9.61E-10	1.15E-10	1.24E-09	1.53E-10	5.03E-10	3.47E-11	6.91E-10
1132	470699.98	3818633.72	1.75E-09	7.36E-09	6.63E-10	9.77E-09	1.46E-09	5.41E-09	4.76E-10	7.34E-09	1.65E-10	9.47E-10	1.13E-10	1.23E-09	1.50E-10	4.96E-10	3.42E-11	6.81E-10
1133	470708.66	3818637.45	1.73E-09	7.26E-09	6.53E-10	9.64E-09	1.44E-09	5.33E-09	4.69E-10	7.24E-09	1.63E-10	9.34E-10	1.11E-10	1.21E-09	1.48E-10	4.89E-10	3.37E-11	6.71E-10
1134	470717.33	3818641.17	1.70E-09	7.15E-09	6.44E-10	9.50E-09	1.42E-09	5.26E-09	4.62E-10	7.14E-09	1.61E-10	9.21E-10	1.10E-10	1.19E-09	1.46E-10	4.82E-10	3.32E-11	6.62E-10
1135	470726.01	3818644.9	1.68E-09	7.06E-09	6.35E-10	9.37E-09	1.40E-09	5.19E-09	4.56E-10	7.04E-09	1.59E-10	9.08E-10	1.08E-10	1.18E-09	1.44E-10	4.76E-10	3.28E-11	6.53E-10
1136	470734.69	3818648.62	1.66E-09	6.96E-09	6.27E-10	9.25E-09	1.38E-09	5.12E-09	4.50E-10	6.95E-09	1.57E-10	8.96E-10	1.07E-10	1.16E-09	1.42E-10	4.69E-10	3.24E-11	6.44E-10
1137	470743.37	3818652.35	1.64E-09	6.88E-09	6.19E-10	9.13E-09	1.36E-09	5.05E-09	4.45E-10	6.86E-09	1.55E-10	8.85E-10	1.06E-10	1.15E-09	1.41E-10	4.64E-10	3.20E-11	6.36E-10
1138	470752.05	3818656.07	1.62E-09	6.79E-09	6.12E-10	9.02E-09	1.35E-09	4.99E-09	4.39E-10	6.78E-09	1.53E-10	8.74E-10	1.04E-10	1.13E-09	1.39E-10	4.58E-10	3.16E-11	6.28E-10
1139	470760.73	3818659.8	1.60E-09	6.71E-09	6.04E-10	8.91E-09	1.33E-09	4.93E-09	4.34E-10	6.70E-09	1.51E-10	8.64E-10	1.03E-10	1.12E-09	1.37E-10	4.52E-10	3.12E-11	6.21E-10
1140	470769.41	3818663.52	1.58E-09	6.64E-09	5.98E-10	8.81E-09	1.32E-09	4.88E-09	4.29E-10	6.62E-09	1.49E-10	8.54E-10	1.02E-10	1.11E-09	1.36E-10	4.47E-10	3.08E-11	6.14E-10
1141	470778.08	3818667.25	1.56E-09	6.56E-09	5.91E-10	8.72E-09	1.30E-09	4.82E-09	4.24E-10	6.55E-09	1.48E-10	8.45E-10	1.01E-10	1.09E-09	1.34E-10	4.42E-10	3.05E-11	6.07E-10
1142	470786.76	3818670.97	1.55E-09	6.50E-09	5.85E-10	8.63E-09	1.29E-09	4.77E-09	4.20E-10	6.48E-09	1.46E-10	8.36E-10	9.98E-11	1.08E-09	1.33E-10	4.38E-10	3.02E-11	6.01E-10
1143	470795.44	3818674.69	1.53E-09	6.44E-09	5.80E-10	8.55E-09	1.28E-09	4.73E-09	4.16E-10	6.42E-09	1.45E-10	8.29E-10	9.89E-11	1.07E-09	1.32E-10	4.34E-10	2.99E-11	5.95E-10
1144	470804.12	3818678.42	1.52E-09	6.38E-09	5.74E-10	8.47E-09	1.27E-09	4.69E-09	4.12E-10	6.37E-09	1.43E-10	8.21E-10	9.80E-11	1.06E-09	1.30E-10	4.30E-10	2.96E-11	5.90E-10
1145	470812.8	3818682.14	1.51E-09	6.33E-09	5.70E-10	8.40E-09	1.26E-09	4.65E-09	4.09E-10	6.31E-09	1.42E-10	8.15E-10	9.72E-11	1.05E-09	1.29E-10	4.26E-10	2.94E-11	5.85E-10
1146	470821.48	3818685.87	1.50E-09	6.28E-09	5.65E-10	8.34E-09	1.25E-09	4.61E-09	4.06E-10	6.26E-09	1.41E-10	8.08E-10	9.64E-11	1.05E-09	1.28E-10	4.23E-10	2.92E-11	5.81E-10
1147	470830.16	3818689.59	1.48E-09	6.24E-09	5.62E-10	8.28E-09	1.24E-09	4.58E-09	4.03E-10	6.22E-09	1.40E-10	8.03E-10	9.58E-11	1.04E-09	1.27E-10	4.20E-10	2.90E-11	5.77E-10
1148	470842.36	3818702.08	1.50E-09	6.28E-09	5.65E-10	8.34E-09	1.25E-09	4.61E-09	4.06E-10	6.26E-09	1.41E-10	8.08E-10	9.64E-11	1.05E-09	1.28E-10	4.23E-10	2.92E-11	5.81E-10
1149	470845.89	3818710.84	1.52E-09	6.36E-09	5.73E-10	8.45E-09	1.26E-09	4.68E-09	4.11E-10	6.35E-09	1.43E-10	8.19E-10	9.78E-11	1.06E-09	1.30E-10	4.29E-10	2.96E-11	5.89E-10
1150	470849.42	3818719.6	1.54E-09	6.46E-09	5.82E-10	8.58E-09	1.28E-09	4.75E-09	4.18E-10	6.45E-09	1.45E-10	8.32E-10	9.92E-11	1.08E-09	1.32E-10	4.35E-10	3.00E-11	5.97E-10
1151	470852.94	3818728.36	1.56E-09	6.56E-09	5.91E-10	8.71E-09	1.30E-09	4.82E-09	4.24E-10	6.54E-09	1.47E-10	8.44E-10	1.01E-10	1.09E-09	1.34E-10	4.42E-10	3.05E-11	6.07E-10
1152	470856.47	3818737.12	1.59E-09	6.66E-09	6.00E-10	8.85E-09	1.32E-09	4.90E-09	4.31E-10	6.65E-09	1.50E-10	8.58E-10	1.02E-10	1.11E-09	1.36E-10	4.49E-10	3.10E-11	6.16E-10
1153	470860	3818745.89	1.61E-09	6.78E-09	6.10E-10	9.00E-09	1.34E-09	4.98E-09	4.38E-10	6.76E-09	1.52E-10	8.72E-10	1.04E-10	1.13E-09	1.39E-10	4.57E-10	3.15E-11	6.27E-10
1154	470863.52	3818754.65	1.64E-09	6.89E-09	6.21E-10	9.16E-09	1.37E-09	5.07E-09	4.46E-10	6.88E-09	1.55E-10	8.88E-10	1.06E-10	1.15E-09	1.41E-10	4.65E-10	3.20E-11	6.38E-10
1155	470867.05	3818763.41	1.67E-09	7.02E-09	6.32E-10	9.33E-09	1.39E-09	5.16E-09	4.54E-10	7.01E-09	1.58E-10	9.04E-10	1.08E-10	1.17E-09	1.44E-10	4.73E-10	3.26E-11	6.49E-10
1156	470870.58	3818772.17	1.70E-09	7.15E-09	6.44E-10	9.50E-09	1.42E-09	5.26E-09	4.62E-10	7.14E-09	1.61E-10	9.21E-10	1.10E-10	1.19E-09	1.46E-10	4.82E-10	3.32E-11	6.62E-10
1157	470874.11	3818780.93	1.74E-09	7.29E-09	6.57E-10	9.69E-09	1.45E-09	5.36E-09	4.71E-10	7.28E-09	1.64E-10	9.39E-10	1.12E-10	1.21E-09	1.49E-10	4.92E-10	3.39E-11	6.75E-10
1158	470877.63	3818789.69	1.77E-09	7.44E-09	6.70E-10	9.88E-09	1.48E-09	5.47E-09	4.81E-10	7.43E-09	1.67E-10	9.58E-10	1.14E-10	1.24E-09	1.52E-10	5.02E-10	3.46E-11	6.88E-10
1159	470881.16	3818798.45	1.81E-09	7.60E-09	6.84E-10	1.01E-08	1.51E-09	5.58E-09	4.91E-10	7.58E-09	1.71E-10	9.78E-10	1.17E-10	1.27E-09	1.55E-10	5.12E-10	3.53E-11	7.03E-10
1160	470884.69	3818807.21	1.85E-09	7.76E-09	6.99E-10	1.03E-08	1.54E-09	5.70E-09	5.02E-10	7.75E-09	1.75E-10	9.99E-10	1.19E-10	1.29E-09	1.59E-10	5.23E-10	3.61E-11	7.18E-10
1161	470888.21	3818815.97	1.89E-09	7.94E-09	7.15E-10	1.05E-08	1.57E-09	5.83E-09	5.13E-10	7.92E-09	1.78E-10	1.02E-09	1.22E-10	1.32E-09	1.62E-10	5.35E-10	3.69E-11	7.34E-10
1162	470891.74	3818824.73	1.93E-09	8.11E-09	7.31E-10	1.08E-08	1.61E-09	5.96E-09	5.24E-10	8.10E-09	1.82E-10	1.04E-09	1.25E-10	1.35E-09	1.66E-10	5.47E-10	3.77E-11	7.50E-10
1163	470895.27	3818833.49	1.98E-09	8.30E-09	7.48E-10	1.10E-08	1.65E-09	6.10E-09	5.37E-10	8.28E-09	1.87E-10	1.07E-09	1.27E-10	1.38E-09	1.70E-10	5.60E-10	3.86E-11	7.68E-10
1164	470898.8	3818842.26	2.02E-09	8.50E-09	7.65E-10	1.13E-08	1.69E-09	6.24E-09	5.49E-10	8.48E-09	1.91E-10	1.09E-09	1.31E-10	1.42E-09	1.74E-10	5.73E-10	3.95E-11	7.86E-10
1165	470902.32	3818851.02	2.07E-09	8.70E-09	7.84E-10	1.16E-08	1.73E-09	6.39E-09	5.62E-10	8.68E-09	1.96E-10	1.12E-09	1.34E-10	1.45E-09	1.78E-10	5.87E-10	4.04E-11	8.05E-10
1166	470905.85	3818859.78	2.12E-09	8.91E-09	8.03E-10	1.18E-08	1.77E-09	6.55E-09	5.76E-10	8.89E-09	2.00E-10	1.15E-09	1.37E-10	1.48E-09	1.82E-10	6.01E-10	4.14E-11	8.24E-10
1167	470909.38	3818868.54	2.17E-09	9.13E-09	8.23E-10	1.21E-08	1.81E-09	6.71E-09	5.90E-10	9.11E-09	2.05E-10	1.18E-09	1.40E-10	1.52E-09	1.87E-10	6.16E-10	4.24E-11	8.45E-10
1168	470912.9	3818877.3	2.23E-09	9.36E-09	8.43E-10	1.24E-08	1.86E-09	6.88E-09	6.05E-10	9.34E-09	2.10E-10	1.21E-09	1.44E-10	1.56E-09	1.91E-10	6.31E-10	4.35E-11	8.66E-10
1169	470916.43	3818886.06	2.29E-09	9.60E-09	8.65E-10	1.28E-08	1.90E-09	7.05E-09	6.21E-10	9.58E-09	2.16E-10	1.24E-09	1.47E-10	1.60E-09	1.96E-10	6.47E-10	4.46E-11	8.88E-10

1170	470919.96	3818894.82	2.35E-09	9.85E-09	8.87E-10	1.31E-08	1.95E-09	7.24E-09	6.37E-10	9.83E-09	2.21E-10	1.27E-09	1.51E-10	1.64E-09	2.01E-10	6.64E-10	4.58E-11	9.11E-10
1171	470923.49	3818903.58	2.41E-09	1.01E-08	9.10E-10	1.34E-08	2.00E-09	7.43E-09	6.53E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.68E-09	2.07E-10	6.81E-10	4.70E-11	9.35E-10
1172	470927.01	3818912.34	2.47E-09	1.04E-08	9.34E-10	1.38E-08	2.06E-09	7.62E-09	6.70E-10	1.03E-08	2.33E-10	1.33E-09	1.59E-10	1.73E-09	2.12E-10	6.99E-10	4.82E-11	9.59E-10
1173	470930.54	3818921.1	2.53E-09	1.06E-08	9.59E-10	1.41E-08	2.11E-09	7.82E-09	6.88E-10	1.06E-08	2.39E-10	1.37E-09	1.63E-10	1.77E-09	2.18E-10	7.17E-10	4.95E-11	9.84E-10
1174	470934.07	3818929.86	2.60E-09	1.09E-08	9.84E-10	1.45E-08	2.17E-09	8.03E-09	7.06E-10	1.09E-08	2.46E-10	1.41E-09	1.68E-10	1.82E-09	2.23E-10	7.36E-10	5.08E-11	1.01E-09
1175	470937.59	3818938.63	2.67E-09	1.12E-08	1.01E-09	1.49E-08	2.23E-09	8.24E-09	7.25E-10	1.12E-08	2.52E-10	1.44E-09	1.72E-10	1.87E-09	2.29E-10	7.56E-10	5.21E-11	1.04E-09
1176	470941.12	3818947.39	2.74E-09	1.15E-08	1.04E-09	1.53E-08	2.28E-09	8.46E-09	7.45E-10	1.15E-08	2.59E-10	1.48E-09	1.77E-10	1.92E-09	2.35E-10	7.76E-10	5.35E-11	1.07E-09
1177	470944.65	3818956.15	2.82E-09	1.18E-08	1.07E-09	1.57E-08	2.35E-09	8.69E-09	7.65E-10	1.18E-08	2.66E-10	1.52E-09	1.82E-10	1.97E-09	2.42E-10	7.97E-10	5.50E-11	1.09E-09
1178	470948.17	3818964.91	2.89E-09	1.21E-08	1.09E-09	1.61E-08	2.41E-09	8.93E-09	7.85E-10	1.21E-08	2.73E-10	1.56E-09	1.87E-10	2.02E-09	2.48E-10	8.19E-10	5.64E-11	1.12E-09
1179	470951.7	3818973.67	2.97E-09	1.25E-08	1.12E-09	1.66E-08	2.47E-09	9.17E-09	8.06E-10	1.24E-08	2.80E-10	1.61E-09	1.92E-10	2.08E-09	2.55E-10	8.41E-10	5.80E-11	1.15E-09
1180	470955.23	3818982.43	3.05E-09	1.28E-08	1.15E-09	1.70E-08	2.54E-09	9.41E-09	8.28E-10	1.28E-08	2.88E-10	1.65E-09	1.97E-10	2.13E-09	2.62E-10	8.63E-10	5.95E-11	1.18E-09
1181	470958.76	3818991.19	3.13E-09	1.32E-08	1.18E-09	1.75E-08	2.61E-09	9.66E-09	8.50E-10	1.31E-08	2.96E-10	1.69E-09	2.02E-10	2.19E-09	2.69E-10	8.87E-10	6.11E-11	1.22E-09
1182	470962.28	3818999.95	3.22E-09	1.35E-08	1.22E-09	1.79E-08	2.68E-09	9.92E-09	8.73E-10	1.35E-08	3.04E-10	1.74E-09	2.07E-10	2.25E-09	2.76E-10	9.10E-10	6.27E-11	1.25E-09
1183	470965.81	3819008.71	3.30E-09	1.39E-08	1.25E-09	1.84E-08	2.75E-09	1.02E-08	8.96E-10	1.38E-08	3.12E-10	1.78E-09	2.13E-10	2.31E-09	2.83E-10	9.34E-10	6.44E-11	1.28E-09
1184	470969.34	3819017.47	3.39E-09	1.42E-08	1.28E-09	1.89E-08	2.82E-09	1.05E-08	9.20E-10	1.42E-08	3.20E-10	1.83E-09	2.19E-10	2.37E-09	2.91E-10	9.59E-10	6.61E-11	1.32E-09
1185	470972.86	3819026.23	3.48E-09	1.46E-08	1.31E-09	1.94E-08	2.90E-09	1.07E-08	9.44E-10	1.46E-08	3.28E-10	1.88E-09	2.24E-10	2.43E-09	2.98E-10	9.84E-10	6.78E-11	1.35E-09
1186	470976.39	3819035	3.57E-09	1.50E-08	1.35E-09	1.99E-08	2.97E-09	1.10E-08	9.68E-10	1.49E-08	3.37E-10	1.93E-09	2.30E-10	2.49E-09	3.06E-10	1.01E-09	6.96E-11	1.38E-09
1187	470979.92	3819043.76	3.65E-09	1.53E-08	1.38E-09	2.04E-08	3.04E-09	1.13E-08	9.92E-10	1.53E-08	3.45E-10	1.98E-09	2.36E-10	2.56E-09	3.14E-10	1.03E-09	7.13E-11	1.42E-09
1188	470983.45	3819052.52	3.75E-09	1.57E-08	1.42E-09	2.09E-08	3.12E-09	1.16E-08	1.02E-09	1.57E-08	3.54E-10	2.02E-09	2.42E-10	2.62E-09	3.22E-10	1.06E-09	7.31E-11	1.45E-09
1189	470986.97	3819061.28	3.84E-09	1.61E-08	1.45E-09	2.14E-08	3.20E-09	1.18E-08	1.04E-09	1.61E-08	3.62E-10	2.07E-09	2.48E-10	2.68E-09	3.29E-10	1.09E-09	7.49E-11	1.49E-09
1190	470990.5	3819070.04	3.93E-09	1.65E-08	1.49E-09	2.19E-08	3.27E-09	1.21E-08	1.07E-09	1.65E-08	3.71E-10	2.12E-09	2.53E-10	2.75E-09	3.37E-10	1.11E-09	7.67E-11	1.53E-09
1191	470994.03	3819078.8	4.02E-09	1.69E-08	1.52E-09	2.24E-08	3.35E-09	1.24E-08	1.09E-09	1.69E-08	3.80E-10	2.17E-09	2.59E-10	2.81E-09	3.45E-10	1.14E-09	7.85E-11	1.56E-09
1192	470997.55	3819087.56	4.12E-09	1.73E-08	1.56E-09	2.30E-08	3.43E-09	1.27E-08	1.12E-09	1.72E-08	3.89E-10	2.23E-09	2.65E-10	2.88E-09	3.53E-10	1.17E-09	8.03E-11	1.60E-09
1193	471001.08	3819096.32	4.21E-09	1.77E-08	1.59E-09	2.35E-08	3.51E-09	1.30E-08	1.14E-09	1.76E-08	3.97E-10	2.28E-09	2.71E-10	2.94E-09	3.61E-10	1.19E-09	8.21E-11	1.63E-09
1194	471004.61	3819105.08	4.30E-09	1.81E-08	1.63E-09	2.40E-08	3.58E-09	1.33E-08	1.17E-09	1.80E-08	4.06E-10	2.32E-09	2.77E-10	3.01E-09	3.69E-10	1.22E-09	8.39E-11	1.67E-09
1195	471008.14	3819113.84	4.39E-09	1.84E-08	1.66E-09	2.45E-08	3.66E-09	1.35E-08	1.19E-09	1.84E-08	4.15E-10	2.37E-09	2.83E-10	3.07E-09	3.77E-10	1.24E-09	8.57E-11	1.71E-09
1196	471011.66	3819122.6	4.48E-09	1.88E-08	1.69E-09	2.50E-08	3.73E-09	1.38E-08	1.22E-09	1.88E-08	4.23E-10	2.42E-09	2.89E-10	3.13E-09	3.85E-10	1.27E-09	8.74E-11	1.74E-09
1197	471015.19	3819131.37	4.57E-09	1.92E-08	1.73E-09	2.55E-08	3.81E-09	1.41E-08	1.24E-09	1.91E-08	4.31E-10	2.47E-09	2.95E-10	3.20E-09	3.92E-10	1.29E-09	8.91E-11	1.77E-09
1198	471018.72	3819140.13	4.66E-09	1.96E-08	1.76E-09	2.60E-08	3.88E-09	1.44E-08	1.26E-09	1.95E-08	4.40E-10	2.52E-09	3.00E-10	3.26E-09	4.00E-10	1.32E-09	9.08E-11	1.81E-09
1199	471022.24	3819148.89	4.74E-09	1.99E-08	1.79E-09	2.64E-08	3.95E-09	1.46E-08	1.29E-09	1.99E-08	4.48E-10	2.56E-09	3.06E-10	3.32E-09	4.07E-10	1.34E-09	9.25E-11	1.84E-09
1200	471025.77	3819157.65	4.82E-09	2.03E-08	1.82E-09	2.69E-08	4.02E-09	1.49E-08	1.31E-09	2.02E-08	4.55E-10	2.61E-09	3.11E-10	3.37E-09	4.14E-10	1.37E-09	9.41E-11	1.87E-09
1201	471029.3	3819166.41	4.90E-09	2.06E-08	1.85E-09	2.74E-08	4.08E-09	1.51E-08	1.33E-09	2.05E-08	4.63E-10	2.65E-09	3.16E-10	3.43E-09	4.21E-10	1.39E-09	9.57E-11	1.90E-09
1202	470581.52	3818502.4	1.87E-09	7.86E-09	7.08E-10	1.04E-08	1.56E-09	5.78E-09	5.08E-10	7.85E-09	1.77E-10	1.01E-09	1.21E-10	1.31E-09	1.61E-10	5.30E-10	3.65E-11	7.27E-10
1203	470590.26	3818506.15	1.85E-09	7.76E-09	6.99E-10	1.03E-08	1.54E-09	5.70E-09	5.02E-10	7.74E-09	1.74E-10	9.99E-10	1.19E-10	1.29E-09	1.59E-10	5.23E-10	3.61E-11	7.18E-10
1204	470598.99	3818509.9	1.82E-09	7.66E-09	6.90E-10	1.02E-08	1.52E-09	5.63E-09	4.95E-10	7.64E-09	1.72E-10	9.86E-10	1.18E-10	1.28E-09	1.57E-10	5.16E-10	3.56E-11	7.08E-10
1205	470607.73	3818513.65	1.80E-09	7.55E-09	6.80E-10	1.00E-08	1.50E-09	5.55E-09	4.88E-10	7.54E-09	1.70E-10	9.73E-10	1.16E-10	1.26E-09	1.54E-10	5.09E-10	3.51E-11	6.99E-10
1206	470616.47	3818517.4	1.77E-09	7.45E-09	6.71E-10	9.90E-09	1.48E-09	5.48E-09	4.82E-10	7.44E-09	1.68E-10	9.60E-10	1.14E-10	1.24E-09	1.52E-10	5.02E-10	3.46E-11	6.89E-10
1207	470625.2	3818521.15	1.75E-09	7.35E-09	6.62E-10	9.77E-09	1.46E-09	5.40E-09	4.75E-10	7.34E-09	1.65E-10	9.47E-10	1.13E-10	1.22E-09	1.50E-10	4.96E-10	3.42E-11	6.80E-10
1208	470633.94	3818524.9	1.73E-09	7.25E-09	6.53E-10	9.63E-09	1.44E-09	5.33E-09	4.69E-10	7.23E-09	1.63E-10	9.33E-10	1.11E-10	1.21E-09	1.48E-10	4.89E-10	3.37E-11	6.70E-10
1209	470642.68	3818528.65	1.70E-09	7.15E-09	6.44E-10	9.49E-09	1.42E-09	5.25E-09	4.62E-10	7.13E-09	1.61E-10	9.20E-10	1.10E-10	1.19E-09	1.46E-10	4.82E-10	3.32E-11	6.61E-10
1210	470651.41	3818532.4	1.68E-09	7.05E-09	6.35E-10	9.36E-09	1.40E-09	5.18E-09	4.56E-10	7.03E-09	1.58E-10	9.07E-10	1.08E-10	1.17E-09	1.44E-10	4.75E-10	3.27E-11	6.52E-10
1211	470660.15	3818536.15	1.65E-09	6.95E-09	6.26E-10	9.23E-09	1.38E-09	5.11E-09	4.49E-10	6.93E-09	1.56E-10	8.95E-10	1.07E-10	1.16E-09	1.42E-10	4.68E-10	3.23E-11	6.43E-10
1212	470668.89	3818539.9	1.63E-09	6.85E-09	6.17E-10	9.10E-09	1.36E-09	5.03E-09	4.43E-10	6.84E-09	1.54E-10	8.82E-10	1.05E-10	1.14E-09	1.40E-10	4.62E-10	3.18E-11	6.34E-10
1213	470677.62	3818543.65	1.61E-09	6.75E-09	6.08E-10	8.97E-09	1.34E-09	4.96E-09	4.37E-10	6.74E-09	1.52E-10	8.69E-10	1.04E-10	1.13E-09	1.38E-10	4.55E-10	3.14E-11	6.25E-10
1214	470686.36	3818547.4	1.59E-09	6.66E-09	6.00E-10	8.84E-09	1.32E-09	4.89E-09	4.30E-10	6.64E-09	1.50E-10	8.57E-10	1.02E-10	1.11E-09	1.36E-10	4.49E-10	3.09E-11	6.16E-10
1215	470695.1	3818551.15	1.56E-09	6.56E-09	5.91E-10	8.71E-09	1.30E-09	4.82E-09	4.24E-10	6.55E-09	1.48E-10	8.45E-10	1.01E-10	1.09E-09	1.34E-10	4.42E-10	3.05E-11	6.07E-10
1216	470703.83	3818554.9	1.54E-09	6.47E-09	5.83E-10	8.59E-09	1.28E-09	4.75E-09	4.18E-10	6.45E-09	1.45E-10	8.33E-10	9.94E-11	1.08E-09	1.32E-10	4.36E-10	3.01E-11	5.98E-10
1217	470756.25	3818577.4	1.42E-09	5.94E-09	5.35E-10	7.89E-09	1.18E-09	4.37E-09	3.84E-10	5.93E-09	1.34E-10	7.65E-10	9.13E-11	9.90E-10	1.22E-10	4.01E-10	2.76E-11	5.50E-10
1218	470764.99	3818581.15	1.40E-09	5.87E-09	5.28E-10	7.79E-09	1.16E-09	4.31E-09	3.79E-10	5.85E-09	1.32E-10	7.55E-10	9.01E-11	9.77E-10	1.20E-10	3.95E-10	2.73E-11	5.43E-10
1219	470773.73	3818584.9	1.38E-09	5.79E-09	5.22E-10	7.69E-09	1.15E-09	4.26E-09	3.74E-10	5.78E-09	1.30E-10	7.46E-10	8.90E-11	9.65E-10	1.18E-10	3.90E-10	2.69E-11	5.36E-10
1220	470782.46	3818588.65	1.36E-09	5.72E-09	5.15E-10	7.60E-09	1.13E-09	4.20E-09	3.70E-10	5.71E-09	1.29E-10	7.36E-10	8.78E-11	9.53E-10	1.17E-10	3.86E-10	2.66E-11	5.29E-10

1221	470791.2	3818592.4	1.35E-09	5.65E-09	5.09E-10	7.50E-09	1.12E-09	4.15E-09	3.65E-10	5.64E-09	1.27E-10	7.27E-10	8.68E-11	9.41E-10	1.15E-10	3.81E-10	2.63E-11	5.23E-10
1222	470799.94	3818596.15	1.33E-09	5.58E-09	5.03E-10	7.41E-09	1.11E-09	4.10E-09	3.61E-10	5.57E-09	1.25E-10	7.18E-10	8.57E-11	9.30E-10	1.14E-10	3.76E-10	2.59E-11	5.16E-10
1223	470808.68	3818599.9	1.31E-09	5.52E-09	4.97E-10	7.33E-09	1.09E-09	4.05E-09	3.57E-10	5.51E-09	1.24E-10	7.10E-10	8.47E-11	9.19E-10	1.13E-10	3.72E-10	2.56E-11	5.10E-10
1224	470817.41	3818603.65	1.30E-09	5.46E-09	4.91E-10	7.25E-09	1.08E-09	4.01E-09	3.53E-10	5.45E-09	1.23E-10	7.03E-10	8.38E-11	9.09E-10	1.12E-10	3.68E-10	2.54E-11	5.05E-10
1225	470826.15	3818607.4	1.29E-09	5.40E-09	4.87E-10	7.18E-09	1.07E-09	3.97E-09	3.49E-10	5.39E-09	1.21E-10	6.95E-10	8.30E-11	9.00E-10	1.10E-10	3.64E-10	2.51E-11	5.00E-10
1226	470834.89	3818611.15	1.27E-09	5.35E-09	4.82E-10	7.10E-09	1.06E-09	3.93E-09	3.46E-10	5.34E-09	1.20E-10	6.88E-10	8.21E-11	8.91E-10	1.09E-10	3.60E-10	2.48E-11	4.95E-10
1227	470843.62	3818614.9	1.26E-09	5.30E-09	4.77E-10	7.04E-09	1.05E-09	3.89E-09	3.43E-10	5.29E-09	1.19E-10	6.82E-10	8.14E-11	8.83E-10	1.08E-10	3.57E-10	2.46E-11	4.90E-10
1228	470852.36	3818618.65	1.25E-09	5.25E-09	4.73E-10	6.97E-09	1.04E-09	3.86E-09	3.39E-10	5.24E-09	1.18E-10	6.76E-10	8.06E-11	8.74E-10	1.07E-10	3.54E-10	2.44E-11	4.86E-10
1229	470861.1	3818622.4	1.24E-09	5.21E-09	4.69E-10	6.92E-09	1.03E-09	3.83E-09	3.37E-10	5.20E-09	1.17E-10	6.70E-10	8.00E-11	8.67E-10	1.06E-10	3.51E-10	2.42E-11	4.82E-10
1230	470869.83	3818626.15	1.23E-09	5.17E-09	4.66E-10	6.87E-09	1.03E-09	3.80E-09	3.34E-10	5.16E-09	1.16E-10	6.65E-10	7.94E-11	8.61E-10	1.06E-10	3.48E-10	2.40E-11	4.78E-10
1231	470878.57	3818629.9	1.22E-09	5.13E-09	4.62E-10	6.82E-09	1.02E-09	3.77E-09	3.32E-10	5.12E-09	1.15E-10	6.61E-10	7.88E-11	8.55E-10	1.05E-10	3.46E-10	2.38E-11	4.75E-10
1232	470887.31	3818633.65	1.21E-09	5.10E-09	4.59E-10	6.77E-09	1.01E-09	3.75E-09	3.30E-10	5.09E-09	1.15E-10	6.57E-10	7.83E-11	8.50E-10	1.04E-10	3.44E-10	2.37E-11	4.72E-10
1233	470899.59	3818646.22	1.22E-09	5.13E-09	4.62E-10	6.82E-09	1.02E-09	3.77E-09	3.32E-10	5.12E-09	1.15E-10	6.61E-10	7.88E-11	8.55E-10	1.05E-10	3.46E-10	2.38E-11	4.75E-10
1234	470903.14	3818655.04	1.24E-09	5.20E-09	4.68E-10	6.90E-09	1.03E-09	3.82E-09	3.36E-10	5.19E-09	1.17E-10	6.69E-10	7.98E-11	8.66E-10	1.06E-10	3.50E-10	2.42E-11	4.81E-10
1235	470906.69	3818663.86	1.25E-09	5.27E-09	4.74E-10	7.00E-09	1.04E-09	3.87E-09	3.40E-10	5.26E-09	1.18E-10	6.78E-10	8.09E-11	8.77E-10	1.08E-10	3.55E-10	2.45E-11	4.87E-10
1236	470910.24	3818672.67	1.27E-09	5.34E-09	4.81E-10	7.10E-09	1.06E-09	3.93E-09	3.45E-10	5.33E-09	1.20E-10	6.88E-10	8.21E-11	8.90E-10	1.09E-10	3.60E-10	2.48E-11	4.94E-10
1237	470913.8	3818681.49	1.29E-09	5.42E-09	4.88E-10	7.20E-09	1.08E-09	3.98E-09	3.51E-10	5.41E-09	1.22E-10	6.98E-10	8.33E-11	9.03E-10	1.11E-10	3.66E-10	2.52E-11	5.02E-10
1238	470917.35	3818690.31	1.31E-09	5.51E-09	4.96E-10	7.32E-09	1.09E-09	4.05E-09	3.56E-10	5.50E-09	1.24E-10	7.09E-10	8.46E-11	9.18E-10	1.13E-10	3.71E-10	2.56E-11	5.10E-10
1239	470920.9	3818699.13	1.33E-09	5.60E-09	5.04E-10	7.44E-09	1.11E-09	4.11E-09	3.62E-10	5.59E-09	1.26E-10	7.21E-10	8.60E-11	9.33E-10	1.14E-10	3.77E-10	2.60E-11	5.18E-10
1240	470924.45	3818707.95	1.36E-09	5.69E-09	5.13E-10	7.56E-09	1.13E-09	4.18E-09	3.68E-10	5.68E-09	1.28E-10	7.33E-10	8.74E-11	9.48E-10	1.16E-10	3.84E-10	2.65E-11	5.27E-10
1241	470928	3818716.77	1.38E-09	5.79E-09	5.22E-10	7.69E-09	1.15E-09	4.26E-09	3.74E-10	5.78E-09	1.30E-10	7.46E-10	8.90E-11	9.65E-10	1.18E-10	3.90E-10	2.69E-11	5.36E-10
1242	470931.55	3818725.59	1.40E-09	5.90E-09	5.31E-10	7.83E-09	1.17E-09	4.33E-09	3.81E-10	5.88E-09	1.33E-10	7.59E-10	9.05E-11	9.82E-10	1.21E-10	3.97E-10	2.74E-11	5.45E-10
1243	470935.1	3818734.41	1.43E-09	6.00E-09	5.41E-10	7.98E-09	1.19E-09	4.41E-09	3.88E-10	5.99E-09	1.35E-10	7.73E-10	9.22E-11	1.00E-09	1.23E-10	4.05E-10	2.79E-11	5.55E-10
1244	470938.65	3818743.23	1.46E-09	6.12E-09	5.51E-10	8.13E-09	1.21E-09	4.50E-09	3.96E-10	6.11E-09	1.38E-10	7.88E-10	9.40E-11	1.02E-09	1.25E-10	4.13E-10	2.84E-11	5.66E-10
1245	470942.2	3818752.05	1.49E-09	6.24E-09	5.62E-10	8.29E-09	1.24E-09	4.59E-09	4.04E-10	6.23E-09	1.40E-10	8.04E-10	9.59E-11	1.04E-09	1.28E-10	4.21E-10	2.90E-11	5.78E-10
1246	470945.75	3818760.87	1.52E-09	6.37E-09	5.73E-10	8.46E-09	1.26E-09	4.68E-09	4.12E-10	6.35E-09	1.43E-10	8.20E-10	9.78E-11	1.06E-09	1.30E-10	4.29E-10	2.96E-11	5.89E-10
1247	470949.3	3818769.69	1.55E-09	6.50E-09	5.85E-10	8.63E-09	1.29E-09	4.78E-09	4.20E-10	6.49E-09	1.46E-10	8.37E-10	9.98E-11	1.08E-09	1.33E-10	4.38E-10	3.02E-11	6.01E-10
1248	470952.85	3818778.51	1.58E-09	6.64E-09	5.98E-10	8.81E-09	1.32E-09	4.88E-09	4.29E-10	6.62E-09	1.49E-10	8.54E-10	1.02E-10	1.11E-09	1.36E-10	4.47E-10	3.08E-11	6.14E-10
1249	470956.4	3818787.33	1.61E-09	6.78E-09	6.11E-10	9.00E-09	1.34E-09	4.98E-09	4.38E-10	6.76E-09	1.52E-10	8.73E-10	1.04E-10	1.13E-09	1.39E-10	4.57E-10	3.15E-11	6.27E-10
1250	470959.95	3818796.15	1.65E-09	6.93E-09	6.24E-10	9.20E-09	1.37E-09	5.09E-09	4.48E-10	6.91E-09	1.56E-10	8.92E-10	1.06E-10	1.15E-09	1.42E-10	4.67E-10	3.22E-11	6.41E-10
1251	470963.5	3818804.97	1.69E-09	7.08E-09	6.38E-10	9.41E-09	1.40E-09	5.20E-09	4.58E-10	7.07E-09	1.59E-10	9.12E-10	1.09E-10	1.18E-09	1.45E-10	4.77E-10	3.29E-11	6.55E-10
1252	470967.06	3818813.79	1.72E-09	7.24E-09	6.52E-10	9.62E-09	1.44E-09	5.32E-09	4.68E-10	7.22E-09	1.63E-10	9.32E-10	1.11E-10	1.21E-09	1.48E-10	4.88E-10	3.36E-11	6.70E-10
1253	470970.61	3818822.61	1.76E-09	7.40E-09	6.67E-10	9.83E-09	1.47E-09	5.44E-09	4.78E-10	7.39E-09	1.66E-10	9.53E-10	1.14E-10	1.23E-09	1.51E-10	4.99E-10	3.44E-11	6.85E-10
1254	470974.16	3818831.43	1.80E-09	7.57E-09	6.82E-10	1.01E-08	1.50E-09	5.56E-09	4.89E-10	7.56E-09	1.70E-10	9.75E-10	1.16E-10	1.26E-09	1.55E-10	5.10E-10	3.52E-11	7.00E-10
1255	470977.71	3818840.25	1.84E-09	7.75E-09	6.98E-10	1.03E-08	1.54E-09	5.69E-09	5.01E-10	7.73E-09	1.74E-10	9.97E-10	1.19E-10	1.29E-09	1.58E-10	5.22E-10	3.60E-11	7.17E-10
1256	470981.26	3818849.07	1.89E-09	7.93E-09	7.14E-10	1.05E-08	1.57E-09	5.83E-09	5.13E-10	7.91E-09	1.78E-10	1.02E-09	1.22E-10	1.32E-09	1.62E-10	5.35E-10	3.69E-11	7.34E-10
1257	470984.81	3818857.88	1.93E-09	8.12E-09	7.31E-10	1.08E-08	1.61E-09	5.97E-09	5.25E-10	8.10E-09	1.83E-10	1.05E-09	1.25E-10	1.35E-09	1.66E-10	5.47E-10	3.77E-11	7.51E-10
1258	470988.36	3818866.7	1.98E-09	8.32E-09	7.49E-10	1.11E-08	1.65E-09	6.11E-09	5.38E-10	8.30E-09	1.87E-10	1.07E-09	1.28E-10	1.39E-09	1.70E-10	5.61E-10	3.87E-11	7.70E-10
1259	470991.91	3818875.52	2.03E-09	8.53E-09	7.68E-10	1.13E-08	1.69E-09	6.26E-09	5.51E-10	8.51E-09	1.92E-10	1.10E-09	1.31E-10	1.42E-09	1.74E-10	5.75E-10	3.96E-11	7.89E-10
1260	470995.46	3818884.34	2.08E-09	8.73E-09	7.86E-10	1.16E-08	1.73E-09	6.42E-09	5.65E-10	8.71E-09	1.96E-10	1.12E-09	1.34E-10	1.45E-09	1.79E-10	5.89E-10	4.06E-11	8.08E-10
1261	470999.01	3818893.16	2.13E-09	8.95E-09	8.06E-10	1.19E-08	1.78E-09	6.58E-09	5.79E-10	8.93E-09	2.01E-10	1.15E-09	1.37E-10	1.49E-09	1.83E-10	6.03E-10	4.16E-11	8.28E-10
1262	471002.56	3818901.98	2.18E-09	9.17E-09	8.26E-10	1.22E-08	1.82E-09	6.74E-09	5.93E-10	9.15E-09	2.06E-10	1.18E-09	1.41E-10	1.53E-09	1.88E-10	6.18E-10	4.26E-11	8.49E-10
1263	471006.11	3818910.8	2.24E-09	9.40E-09	8.47E-10	1.25E-08	1.87E-09	6.91E-09	6.08E-10	9.38E-09	2.11E-10	1.21E-09	1.44E-10	1.57E-09	1.92E-10	6.34E-10	4.37E-11	8.70E-10
1264	471009.66	3818919.62	2.30E-09	9.64E-09	8.68E-10	1.28E-08	1.91E-09	7.08E-09	6.23E-10	9.62E-09	2.17E-10	1.24E-09	1.48E-10	1.61E-09	1.97E-10	6.50E-10	4.48E-11	8.92E-10
1265	471013.21	3818928.44	2.35E-09	9.88E-09	8.90E-10	1.31E-08	1.96E-09	7.26E-09	6.39E-10	9.86E-09	2.22E-10	1.27E-09	1.52E-10	1.65E-09	2.02E-10	6.66E-10	4.59E-11	9.14E-10
1266	471016.76	3818937.26	2.41E-09	1.01E-08	9.13E-10	1.35E-08	2.01E-09	7.45E-09	6.55E-10	1.01E-08	2.28E-10	1.30E-09	1.56E-10	1.69E-09	2.07E-10	6.83E-10	4.71E-11	9.37E-10
1267	471020.32	3818946.08	2.47E-09	1.04E-08	9.36E-10	1.38E-08	2.06E-09	7.64E-09	6.72E-10	1.04E-08	2.34E-10	1.34E-09	1.60E-10	1.73E-09	2.12E-10	7.01E-10	4.83E-11	9.61E-10
1268	471023.87	3818954.9	2.54E-09	1.07E-08	9.60E-10	1.42E-08	2.11E-09	7.83E-09	6.89E-10	1.06E-08	2.40E-10	1.37E-09	1.64E-10	1.77E-09	2.18E-10	7.18E-10	4.95E-11	9.86E-10
1269	471027.42	3818963.72	2.60E-09	1.09E-08	9.84E-10	1.45E-08	2.17E-09	8.03E-09	7.06E-10	1.09E-08	2.46E-10	1.41E-09	1.68E-10	1.82E-09	2.23E-10	7.36E-10	5.08E-11	1.01E-09
1270	471030.97	3818972.54	2.67E-09	1.12E-08	1.01E-09	1.49E-08	2.22E-09	8.23E-09	7.24E-10	1.12E-08	2.52E-10	1.44E-09	1.72E-10	1.86E-09	2.29E-10	7.55E-10	5.20E-11	1.04E-09
1271	471034.52	3818981.36	2.73E-09	1.15E-08	1.03E-09	1.52E-08	2.28E-09	8.43E-09	7.41E-10	1.14E-08	2.58E-10	1.48E-09	1.76E-10	1.91E-09	2.34E-10	7.73E-10	5.33E-11	1.06E-09

1272	471038.07	3818990.18	2.80E-09	1.18E-08	1.06E-09	1.56E-08	2.33E-09	8.64E-09	7.60E-10	1.17E-08	2.64E-10	1.51E-09	1.81E-10	1.96E-09	2.40E-10	7.92E-10	5.46E-11	1.09E-09
1273	471048.72	3819016.64	3.01E-09	1.26E-08	1.14E-09	1.68E-08	2.50E-09	9.28E-09	8.16E-10	1.26E-08	2.84E-10	1.63E-09	1.94E-10	2.10E-09	2.58E-10	8.51E-10	5.87E-11	1.17E-09
1274	471052.27	3819025.46	3.08E-09	1.29E-08	1.16E-09	1.72E-08	2.56E-09	9.50E-09	8.36E-10	1.29E-08	2.91E-10	1.66E-09	1.99E-10	2.15E-09	2.64E-10	8.71E-10	6.01E-11	1.20E-09
1275	471055.82	3819034.28	3.15E-09	1.32E-08	1.19E-09	1.76E-08	2.62E-09	9.72E-09	8.55E-10	1.32E-08	2.97E-10	1.70E-09	2.03E-10	2.20E-09	2.70E-10	8.92E-10	6.15E-11	1.22E-09
1276	471059.37	3819043.09	3.22E-09	1.35E-08	1.22E-09	1.80E-08	2.68E-09	9.94E-09	8.75E-10	1.35E-08	3.04E-10	1.74E-09	2.08E-10	2.25E-09	2.77E-10	9.12E-10	6.29E-11	1.25E-09
1277	471062.92	3819051.91	3.30E-09	1.38E-08	1.25E-09	1.84E-08	2.74E-09	1.02E-08	8.95E-10	1.38E-08	3.11E-10	1.78E-09	2.13E-10	2.31E-09	2.83E-10	9.33E-10	6.43E-11	1.28E-09
1278	471066.47	3819060.73	3.37E-09	1.41E-08	1.27E-09	1.88E-08	2.81E-09	1.04E-08	9.14E-10	1.41E-08	3.18E-10	1.82E-09	2.17E-10	2.36E-09	2.89E-10	9.54E-10	6.57E-11	1.31E-09
1279	471070.02	3819069.55	3.44E-09	1.45E-08	1.30E-09	1.92E-08	2.87E-09	1.06E-08	9.34E-10	1.44E-08	3.25E-10	1.86E-09	2.22E-10	2.41E-09	2.96E-10	9.74E-10	6.72E-11	1.34E-09
1280	471073.58	3819078.37	3.51E-09	1.48E-08	1.33E-09	1.96E-08	2.93E-09	1.08E-08	9.54E-10	1.47E-08	3.32E-10	1.90E-09	2.27E-10	2.46E-09	3.02E-10	9.95E-10	6.86E-11	1.37E-09
1281	471077.13	3819087.19	3.59E-09	1.51E-08	1.36E-09	2.00E-08	2.99E-09	1.11E-08	9.74E-10	1.50E-08	3.39E-10	1.94E-09	2.31E-10	2.51E-09	3.08E-10	1.02E-09	7.00E-11	1.39E-09
1282	471080.68	3819096.01	3.66E-09	1.54E-08	1.38E-09	2.04E-08	3.05E-09	1.13E-08	9.93E-10	1.53E-08	3.46E-10	1.98E-09	2.36E-10	2.56E-09	3.14E-10	1.04E-09	7.14E-11	1.42E-09
1283	471084.23	3819104.83	3.73E-09	1.57E-08	1.41E-09	2.08E-08	3.11E-09	1.15E-08	1.01E-09	1.56E-08	3.52E-10	2.02E-09	2.41E-10	2.61E-09	3.20E-10	1.06E-09	7.28E-11	1.45E-09
1284	471087.78	3819113.65	3.80E-09	1.60E-08	1.44E-09	2.12E-08	3.17E-09	1.17E-08	1.03E-09	1.59E-08	3.59E-10	2.05E-09	2.45E-10	2.66E-09	3.26E-10	1.08E-09	7.42E-11	1.48E-09
1285	471091.33	3819122.47	3.87E-09	1.63E-08	1.46E-09	2.16E-08	3.22E-09	1.19E-08	1.05E-09	1.62E-08	3.66E-10	2.09E-09	2.50E-10	2.71E-09	3.32E-10	1.10E-09	7.55E-11	1.50E-09
1286	471094.88	3819131.29	3.94E-09	1.65E-08	1.49E-09	2.20E-08	3.28E-09	1.22E-08	1.07E-09	1.65E-08	3.72E-10	2.13E-09	2.54E-10	2.76E-09	3.38E-10	1.12E-09	7.69E-11	1.53E-09
1287	471105.53	3819157.75	4.13E-09	1.74E-08	1.56E-09	2.31E-08	3.44E-09	1.28E-08	1.12E-09	1.73E-08	3.90E-10	2.23E-09	2.67E-10	2.89E-09	3.55E-10	1.17E-09	8.07E-11	1.61E-09
1288	471109.08	3819166.57	4.19E-09	1.76E-08	1.59E-09	2.34E-08	3.49E-09	1.29E-08	1.14E-09	1.76E-08	3.96E-10	2.27E-09	2.71E-10	2.93E-09	3.60E-10	1.19E-09	8.19E-11	1.63E-09
1289	471112.63	3819175.39	4.25E-09	1.79E-08	1.61E-09	2.37E-08	3.54E-09	1.31E-08	1.15E-09	1.78E-08	4.02E-10	2.30E-09	2.74E-10	2.98E-09	3.65E-10	1.20E-09	8.30E-11	1.65E-09
1290	471116.18	3819184.21	4.31E-09	1.81E-08	1.63E-09	2.40E-08	3.59E-09	1.33E-08	1.17E-09	1.81E-08	4.07E-10	2.33E-09	2.78E-10	3.02E-09	3.70E-10	1.22E-09	8.41E-11	1.67E-09
1291	471119.73	3819193.03	4.37E-09	1.83E-08	1.65E-09	2.44E-08	3.64E-09	1.35E-08	1.19E-09	1.83E-08	4.12E-10	2.36E-09	2.82E-10	3.05E-09	3.75E-10	1.24E-09	8.52E-11	1.70E-09
1292	471123.29	3819201.85	4.42E-09	1.86E-08	1.67E-09	2.46E-08	3.68E-09	1.36E-08	1.20E-09	1.85E-08	4.17E-10	2.39E-09	2.85E-10	3.09E-09	3.79E-10	1.25E-09	8.62E-11	1.72E-09
1293	471126.84	3819210.67	4.47E-09	1.88E-08	1.69E-09	2.49E-08	3.72E-09	1.38E-08	1.21E-09	1.87E-08	4.22E-10	2.41E-09	2.88E-10	3.12E-09	3.83E-10	1.26E-09	8.72E-11	1.74E-09
1294	471130.39	3819219.49	4.51E-09	1.90E-08	1.71E-09	2.52E-08	3.76E-09	1.39E-08	1.23E-09	1.89E-08	4.26E-10	2.44E-09	2.91E-10	3.16E-09	3.87E-10	1.28E-09	8.81E-11	1.75E-09
1295	471133.94	3819228.3	4.56E-09	1.91E-08	1.72E-09	2.54E-08	3.80E-09	1.41E-08	1.24E-09	1.91E-08	4.30E-10	2.46E-09	2.94E-10	3.19E-09	3.91E-10	1.29E-09	8.89E-11	1.77E-09
1296	471137.49	3819237.12	4.60E-09	1.93E-08	1.74E-09	2.56E-08	3.83E-09	1.42E-08	1.25E-09	1.93E-08	4.34E-10	2.49E-09	2.97E-10	3.22E-09	3.95E-10	1.30E-09	8.97E-11	1.79E-09
1297	470293.21	3818378.66	2.65E-09	1.11E-08	1.00E-09	1.48E-08	2.21E-09	8.18E-09	7.20E-10	1.11E-08	2.50E-10	1.43E-09	1.71E-10	1.85E-09	2.28E-10	7.51E-10	5.17E-11	1.03E-09
1298	470283.65	3818378.52	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.30E-09	7.30E-10	1.13E-08	2.54E-10	1.45E-09	1.74E-10	1.88E-09	2.31E-10	7.62E-10	5.25E-11	1.05E-09
1299	470274.09	3818378.39	2.73E-09	1.15E-08	1.03E-09	1.52E-08	2.27E-09	8.42E-09	7.41E-10	1.14E-08	2.58E-10	1.48E-09	1.76E-10	1.91E-09	2.34E-10	7.73E-10	5.33E-11	1.06E-09
1300	470264.52	3818378.25	2.77E-09	1.16E-08	1.05E-09	1.54E-08	2.31E-09	8.54E-09	7.51E-10	1.16E-08	2.61E-10	1.50E-09	1.79E-10	1.94E-09	2.38E-10	7.83E-10	5.40E-11	1.08E-09
1301	470254.96	3818378.12	2.80E-09	1.18E-08	1.06E-09	1.56E-08	2.34E-09	8.65E-09	7.61E-10	1.17E-08	2.65E-10	1.52E-09	1.81E-10	1.96E-09	2.41E-10	7.94E-10	5.47E-11	1.09E-09
1302	470245.4	3818377.98	2.84E-09	1.19E-08	1.07E-09	1.58E-08	2.36E-09	8.75E-09	7.70E-10	1.19E-08	2.68E-10	1.53E-09	1.83E-10	1.98E-09	2.43E-10	8.03E-10	5.53E-11	1.10E-09
1303	470235.84	3818377.85	2.87E-09	1.20E-08	1.08E-09	1.60E-08	2.39E-09	8.85E-09	7.78E-10	1.20E-08	2.71E-10	1.55E-09	1.85E-10	2.01E-09	2.46E-10	8.12E-10	5.59E-11	1.11E-09
1304	470226.27	3818377.71	2.89E-09	1.22E-08	1.09E-09	1.61E-08	2.41E-09	8.93E-09	7.86E-10	1.21E-08	2.73E-10	1.56E-09	1.87E-10	2.02E-09	2.48E-10	8.19E-10	5.65E-11	1.12E-09
1305	470216.71	3818377.58	2.92E-09	1.23E-08	1.10E-09	1.63E-08	2.43E-09	9.01E-09	7.93E-10	1.22E-08	2.76E-10	1.58E-09	1.88E-10	2.04E-09	2.51E-10	8.26E-10	5.70E-11	1.13E-09
1306	470207.15	3818377.44	2.94E-09	1.24E-08	1.11E-09	1.64E-08	2.45E-09	9.08E-09	7.98E-10	1.23E-08	2.78E-10	1.59E-09	1.90E-10	2.06E-09	2.53E-10	8.33E-10	5.74E-11	1.14E-09
1307	470197.59	3818377.31	2.96E-09	1.24E-08	1.12E-09	1.65E-08	2.47E-09	9.14E-09	8.04E-10	1.24E-08	2.80E-10	1.60E-09	1.91E-10	2.07E-09	2.54E-10	8.38E-10	5.78E-11	1.15E-09
1308	470188.03	3818377.17	2.98E-09	1.25E-08	1.13E-09	1.66E-08	2.48E-09	9.18E-09	8.08E-10	1.25E-08	2.81E-10	1.61E-09	1.92E-10	2.08E-09	2.56E-10	8.42E-10	5.81E-11	1.16E-09
1309	470178.46	3818377.04	2.99E-09	1.26E-08	1.13E-09	1.67E-08	2.49E-09	9.22E-09	8.11E-10	1.25E-08	2.82E-10	1.62E-09	1.93E-10	2.09E-09	2.57E-10	8.46E-10	5.83E-11	1.16E-09
1310	470168.9	3818376.9	3.07E-09	1.29E-08	1.16E-09	1.71E-08	2.56E-09	9.48E-09	8.34E-10	1.29E-08	2.90E-10	1.66E-09	1.98E-10	2.15E-09	2.64E-10	8.69E-10	5.99E-11	1.19E-09
1311	470159.34	3818376.77	3.08E-09	1.29E-08	1.17E-09	1.72E-08	2.57E-09	9.52E-09	8.37E-10	1.29E-08	2.91E-10	1.67E-09	1.99E-10	2.16E-09	2.65E-10	8.73E-10	6.02E-11	1.20E-09
1312	470149.78	3818376.63	3.09E-09	1.30E-08	1.17E-09	1.72E-08	2.58E-09	9.54E-09	8.39E-10	1.30E-08	2.92E-10	1.67E-09	1.99E-10	2.16E-09	2.65E-10	8.75E-10	6.03E-11	1.20E-09
1313	470140.21	3818376.5	3.10E-09	1.30E-08	1.17E-09	1.73E-08	2.58E-09	9.55E-09	8.40E-10	1.30E-08	2.92E-10	1.67E-09	2.00E-10	2.17E-09	2.66E-10	8.76E-10	6.04E-11	1.20E-09
1314	470130.65	3818376.36	3.09E-09	1.30E-08	1.17E-09	1.73E-08	2.58E-09	9.55E-09	8.40E-10	1.30E-08	2.92E-10	1.67E-09	2.00E-10	2.16E-09	2.66E-10	8.76E-10	6.04E-11	1.20E-09
1315	470121.09	3818376.23	3.09E-09	1.30E-08	1.17E-09	1.72E-08	2.57E-09	9.53E-09	8.38E-10	1.29E-08	2.92E-10	1.67E-09	1.99E-10	2.16E-09	2.65E-10	8.74E-10	6.02E-11	1.20E-09
1316	470680.9	3818464.58	1.42E-09	5.98E-09	5.39E-10	7.94E-09	1.19E-09	4.40E-09	3.87E-10	5.97E-09	1.34E-10	7.70E-10	9.19E-11	9.96E-10	1.22E-10	4.03E-10	2.78E-11	5.53E-10
1317	470689.69	3818468.35	1.41E-09	5.90E-09	5.32E-10	7.84E-09	1.17E-09	4.34E-09	3.82E-10	5.89E-09	1.33E-10	7.60E-10	9.07E-11	9.83E-10	1.21E-10	3.98E-10	2.74E-11	5.46E-10
1318	470698.47	3818472.12	1.39E-09	5.83E-09	5.25E-10	7.74E-09	1.16E-09	4.28E-09	3.77E-10	5.81E-09	1.31E-10	7.50E-10	8.95E-11	9.70E-10	1.19E-10	3.93E-10	2.71E-11	5.39E-10
1319	470707.26	3818475.89	1.37E-09	5.75E-09	5.17E-10	7.63E-09	1.14E-09	4.22E-09	3.71E-10	5.73E-09	1.29E-10	7.40E-10	8.82E-11	9.57E-10	1.17E-10	3.87E-10	2.67E-11	5.31E-10
1320	470716.04	3818479.66	1.35E-09	5.67E-09	5.11E-10	7.53E-09	1.12E-09	4.17E-09	3.67E-10	5.66E-09	1.28E-10	7.30E-10	8.71E-11	9.45E-10	1.16E-10	3.82E-10	2.63E-11	5.24E-10
1321	470724.83	3818483.43	1.33E-09	5.59E-09	5.04E-10	7.43E-09	1.11E-09	4.11E-09	3.62E-10	5.58E-09	1.26E-10	7.20E-10	8.59E-11	9.32E-10	1.14E-10	3.77E-10	2.60E-11	5.17E-10
1322	470733.61	3818487.2	1.31E-09	5.51E-09	4.97E-10	7.32E-09	1.09E-09	4.05E-09	3.56E-10	5.50E-09	1.24E-10	7.10E-10	8.47E-11	9.19E-10	1.13E-10	3.72E-10	2.56E-11	5.10E-10

1323	470742.4	3818490.97	1.30E-09	5.44E-09	4.90E-10	7.23E-09	1.08E-09	4.00E-09	3.52E-10	5.43E-09	1.22E-10	7.00E-10	8.36E-11	9.06E-10	1.11E-10	3.67E-10	2.53E-11	5.03E-10
1324	470751.18	3818494.75	1.28E-09	5.37E-09	4.83E-10	7.13E-09	1.06E-09	3.94E-09	3.47E-10	5.36E-09	1.21E-10	6.91E-10	8.24E-11	8.94E-10	1.10E-10	3.62E-10	2.49E-11	4.96E-10
1325	470759.97	3818498.52	1.26E-09	5.30E-09	4.77E-10	7.03E-09	1.05E-09	3.89E-09	3.42E-10	5.28E-09	1.19E-10	6.82E-10	8.13E-11	8.82E-10	1.08E-10	3.57E-10	2.46E-11	4.90E-10
1326	470768.75	3818502.29	1.24E-09	5.22E-09	4.70E-10	6.94E-09	1.04E-09	3.84E-09	3.38E-10	5.21E-09	1.17E-10	6.72E-10	8.02E-11	8.70E-10	1.07E-10	3.52E-10	2.43E-11	4.83E-10
1327	470777.54	3818506.06	1.23E-09	5.15E-09	4.64E-10	6.84E-09	1.02E-09	3.79E-09	3.33E-10	5.14E-09	1.16E-10	6.63E-10	7.91E-11	8.58E-10	1.05E-10	3.47E-10	2.39E-11	4.76E-10
1328	470786.33	3818509.83	1.21E-09	5.09E-09	4.58E-10	6.75E-09	1.01E-09	3.74E-09	3.29E-10	5.07E-09	1.14E-10	6.55E-10	7.81E-11	8.47E-10	1.04E-10	3.43E-10	2.36E-11	4.70E-10
1329	470839.04	3818532.45	1.12E-09	4.72E-09	4.25E-10	6.27E-09	9.36E-10	3.47E-09	3.05E-10	4.71E-09	1.06E-10	6.08E-10	7.25E-11	7.86E-10	9.65E-11	3.18E-10	2.19E-11	4.37E-10
1330	470847.82	3818536.22	1.11E-09	4.66E-09	4.20E-10	6.20E-09	9.25E-10	3.43E-09	3.02E-10	4.65E-09	1.05E-10	6.00E-10	7.16E-11	7.77E-10	9.54E-11	3.14E-10	2.17E-11	4.31E-10
1331	470856.61	3818539.99	1.10E-09	4.61E-09	4.15E-10	6.13E-09	9.15E-10	3.39E-09	2.98E-10	4.60E-09	1.04E-10	5.94E-10	7.09E-11	7.68E-10	9.43E-11	3.11E-10	2.14E-11	4.27E-10
1332	470865.39	3818543.77	1.09E-09	4.56E-09	4.11E-10	6.06E-09	9.05E-10	3.35E-09	2.95E-10	4.55E-09	1.03E-10	5.88E-10	7.01E-11	7.60E-10	9.33E-11	3.08E-10	2.12E-11	4.22E-10
1333	470874.18	3818547.54	1.08E-09	4.52E-09	4.07E-10	6.00E-09	8.96E-10	3.32E-09	2.92E-10	4.51E-09	1.02E-10	5.82E-10	6.94E-11	7.53E-10	9.24E-11	3.05E-10	2.10E-11	4.18E-10
1334	470882.97	3818551.31	1.07E-09	4.47E-09	4.03E-10	5.94E-09	8.88E-10	3.29E-09	2.89E-10	4.46E-09	1.01E-10	5.76E-10	6.87E-11	7.45E-10	9.15E-11	3.02E-10	2.08E-11	4.14E-10
1335	470891.75	3818555.08	1.06E-09	4.43E-09	3.99E-10	5.89E-09	8.80E-10	3.26E-09	2.87E-10	4.42E-09	9.97E-11	5.71E-10	6.81E-11	7.39E-10	9.06E-11	2.99E-10	2.06E-11	4.10E-10
1336	470900.54	3818558.85	1.05E-09	4.40E-09	3.96E-10	5.84E-09	8.72E-10	3.23E-09	2.84E-10	4.39E-09	9.89E-11	5.66E-10	6.75E-11	7.32E-10	8.99E-11	2.96E-10	2.04E-11	4.07E-10
1337	470909.32	3818562.62	1.04E-09	4.36E-09	3.93E-10	5.79E-09	8.65E-10	3.20E-09	2.82E-10	4.35E-09	9.80E-11	5.61E-10	6.70E-11	7.26E-10	8.91E-11	2.94E-10	2.03E-11	4.03E-10
1338	470918.11	3818566.39	1.03E-09	4.33E-09	3.90E-10	5.75E-09	8.58E-10	3.18E-09	2.80E-10	4.32E-09	9.73E-11	5.57E-10	6.65E-11	7.21E-10	8.85E-11	2.92E-10	2.01E-11	4.00E-10
1339	470926.89	3818570.16	1.02E-09	4.30E-09	3.87E-10	5.71E-09	8.52E-10	3.16E-09	2.78E-10	4.29E-09	9.66E-11	5.53E-10	6.60E-11	7.16E-10	8.78E-11	2.90E-10	2.00E-11	3.97E-10
1340	470935.68	3818573.93	1.02E-09	4.27E-09	3.85E-10	5.67E-09	8.47E-10	3.14E-09	2.76E-10	4.26E-09	9.60E-11	5.50E-10	6.56E-11	7.11E-10	8.73E-11	2.88E-10	1.98E-11	3.95E-10
1341	470944.46	3818577.7	1.01E-09	4.24E-09	3.82E-10	5.64E-09	8.42E-10	3.12E-09	2.74E-10	4.23E-09	9.54E-11	5.46E-10	6.52E-11	7.07E-10	8.68E-11	2.86E-10	1.97E-11	3.93E-10
1342	470956.82	3818590.34	1.02E-09	4.27E-09	3.85E-10	5.67E-09	8.47E-10	3.14E-09	2.76E-10	4.26E-09	9.60E-11	5.50E-10	6.56E-11	7.11E-10	8.73E-11	2.88E-10	1.98E-11	3.95E-10
1343	470960.39	3818599.21	1.03E-09	4.32E-09	3.89E-10	5.74E-09	8.57E-10	3.17E-09	2.79E-10	4.31E-09	9.71E-11	5.56E-10	6.63E-11	7.19E-10	8.83E-11	2.91E-10	2.01E-11	3.99E-10
1344	470963.96	3818608.08	1.04E-09	4.37E-09	3.94E-10	5.81E-09	8.68E-10	3.21E-09	2.83E-10	4.36E-09	9.84E-11	5.63E-10	6.72E-11	7.29E-10	8.94E-11	2.95E-10	2.03E-11	4.05E-10
1345	470967.53	3818616.95	1.06E-09	4.43E-09	3.99E-10	5.89E-09	8.79E-10	3.26E-09	2.86E-10	4.42E-09	9.96E-11	5.70E-10	6.81E-11	7.38E-10	9.06E-11	2.99E-10	2.06E-11	4.10E-10
1346	470971.1	3818625.82	1.07E-09	4.49E-09	4.04E-10	5.96E-09	8.90E-10	3.30E-09	2.90E-10	4.48E-09	1.01E-10	5.78E-10	6.89E-11	7.48E-10	9.18E-11	3.03E-10	2.09E-11	4.15E-10
1347	470974.67	3818634.69	1.08E-09	4.56E-09	4.10E-10	6.05E-09	9.03E-10	3.35E-09	2.94E-10	4.55E-09	1.02E-10	5.86E-10	7.00E-11	7.59E-10	9.31E-11	3.07E-10	2.12E-11	4.21E-10
1348	470978.24	3818643.55	1.10E-09	4.62E-09	4.16E-10	6.14E-09	9.17E-10	3.40E-09	2.99E-10	4.61E-09	1.04E-10	5.95E-10	7.10E-11	7.70E-10	9.45E-11	3.12E-10	2.15E-11	4.27E-10
1349	470981.81	3818652.42	1.12E-09	4.69E-09	4.23E-10	6.23E-09	9.31E-10	3.45E-09	3.03E-10	4.68E-09	1.06E-10	6.04E-10	7.21E-11	7.82E-10	9.60E-11	3.16E-10	2.18E-11	4.34E-10
1350	470985.38	3818661.29	1.14E-09	4.77E-09	4.29E-10	6.33E-09	9.46E-10	3.50E-09	3.08E-10	4.76E-09	1.07E-10	6.14E-10	7.32E-11	7.94E-10	9.75E-11	3.21E-10	2.22E-11	4.41E-10
1351	470988.95	3818670.16	1.15E-09	4.85E-09	4.36E-10	6.44E-09	9.61E-10	3.56E-09	3.13E-10	4.84E-09	1.09E-10	6.24E-10	7.44E-11	8.07E-10	9.91E-11	3.27E-10	2.25E-11	4.48E-10
1352	470992.52	3818679.03	1.17E-09	4.93E-09	4.44E-10	6.55E-09	9.78E-10	3.62E-09	3.19E-10	4.92E-09	1.11E-10	6.35E-10	7.57E-11	8.21E-10	1.01E-10	3.32E-10	2.29E-11	4.56E-10
1353	470996.09	3818687.9	1.19E-09	5.02E-09	4.52E-10	6.66E-09	9.95E-10	3.69E-09	3.24E-10	5.01E-09	1.13E-10	6.46E-10	7.70E-11	8.36E-10	1.03E-10	3.38E-10	2.33E-11	4.64E-10
1354	470999.67	3818696.77	1.22E-09	5.11E-09	4.60E-10	6.79E-09	1.01E-09	3.75E-09	3.30E-10	5.10E-09	1.15E-10	6.58E-10	7.85E-11	8.51E-10	1.04E-10	3.44E-10	2.37E-11	4.72E-10
1355	471003.24	3818705.64	1.24E-09	5.20E-09	4.69E-10	6.91E-09	1.03E-09	3.82E-09	3.36E-10	5.19E-09	1.17E-10	6.70E-10	7.99E-11	8.67E-10	1.06E-10	3.51E-10	2.42E-11	4.81E-10
1356	471006.81	3818714.5	1.26E-09	5.30E-09	4.77E-10	7.04E-09	1.05E-09	3.90E-09	3.43E-10	5.29E-09	1.19E-10	6.82E-10	8.14E-11	8.83E-10	1.08E-10	3.57E-10	2.46E-11	4.90E-10
1357	471010.38	3818723.37	1.29E-09	5.41E-09	4.87E-10	7.18E-09	1.07E-09	3.97E-09	3.49E-10	5.39E-09	1.22E-10	6.96E-10	8.30E-11	9.00E-10	1.10E-10	3.64E-10	2.51E-11	5.00E-10
1358	471013.95	3818732.24	1.31E-09	5.51E-09	4.97E-10	7.32E-09	1.09E-09	4.05E-09	3.56E-10	5.50E-09	1.24E-10	7.10E-10	8.47E-11	9.19E-10	1.13E-10	3.72E-10	2.56E-11	5.10E-10
1359	471017.52	3818741.11	1.34E-09	5.63E-09	5.07E-10	7.47E-09	1.12E-09	4.13E-09	3.64E-10	5.61E-09	1.27E-10	7.24E-10	8.64E-11	9.37E-10	1.15E-10	3.79E-10	2.61E-11	5.20E-10
1360	471021.09	3818749.98	1.37E-09	5.75E-09	5.17E-10	7.63E-09	1.14E-09	4.22E-09	3.71E-10	5.73E-09	1.29E-10	7.40E-10	8.82E-11	9.57E-10	1.17E-10	3.87E-10	2.67E-11	5.31E-10
1361	471024.66	3818758.85	1.40E-09	5.86E-09	5.28E-10	7.79E-09	1.16E-09	4.31E-09	3.79E-10	5.85E-09	1.32E-10	7.55E-10	9.01E-11	9.77E-10	1.20E-10	3.95E-10	2.72E-11	5.42E-10
1362	471028.23	3818767.72	1.43E-09	5.99E-09	5.39E-10	7.95E-09	1.19E-09	4.40E-09	3.87E-10	5.97E-09	1.35E-10	7.71E-10	9.20E-11	9.97E-10	1.22E-10	4.04E-10	2.78E-11	5.54E-10
1363	471031.8	3818776.59	1.46E-09	6.12E-09	5.51E-10	8.12E-09	1.21E-09	4.49E-09	3.95E-10	6.10E-09	1.38E-10	7.87E-10	9.40E-11	1.02E-09	1.25E-10	4.12E-10	2.84E-11	5.66E-10
1364	471035.37	3818785.45	1.49E-09	6.25E-09	5.63E-10	8.30E-09	1.24E-09	4.59E-09	4.04E-10	6.23E-09	1.40E-10	8.04E-10	9.59E-11	1.04E-09	1.28E-10	4.21E-10	2.90E-11	5.78E-10
1365	471038.94	3818794.32	1.52E-09	6.38E-09	5.75E-10	8.48E-09	1.27E-09	4.69E-09	4.13E-10	6.37E-09	1.44E-10	8.22E-10	9.81E-11	1.06E-09	1.31E-10	4.30E-10	2.97E-11	5.91E-10
1366	471042.51	3818803.19	1.55E-09	6.52E-09	5.87E-10	8.66E-09	1.29E-09	4.79E-09	4.22E-10	6.51E-09	1.47E-10	8.40E-10	1.00E-10	1.09E-09	1.33E-10	4.40E-10	3.03E-11	6.03E-10
1367	471046.08	3818812.06	1.59E-09	6.67E-09	6.00E-10	8.86E-09	1.32E-09	4.90E-09	4.31E-10	6.65E-09	1.50E-10	8.58E-10	1.02E-10	1.11E-09	1.36E-10	4.49E-10	3.10E-11	6.17E-10
1368	471049.65	3818820.93	1.62E-09	6.81E-09	6.14E-10	9.05E-09	1.35E-09	5.01E-09	4.40E-10	6.80E-09	1.53E-10	8.77E-10	1.05E-10	1.14E-09	1.39E-10	4.59E-10	3.17E-11	6.30E-10
1369	471053.22	3818829.8	1.66E-09	6.96E-09	6.27E-10	9.25E-09	1.38E-09	5.12E-09	4.50E-10	6.95E-09	1.57E-10	8.96E-10	1.07E-10	1.16E-09	1.42E-10	4.69E-10	3.24E-11	6.44E-10
1370	471056.79	3818838.67	1.70E-09	7.12E-09	6.41E-10	9.46E-09	1.41E-09	5.23E-09	4.60E-10	7.11E-09	1.60E-10	9.17E-10	1.09E-10	1.19E-09	1.46E-10	4.80E-10	3.31E-11	6.59E-10
1371	471060.36	3818847.54	1.74E-09	7.29E-09	6.56E-10	9.68E-09	1.45E-09	5.35E-09	4.71E-10	7.27E-09	1.64E-10	9.38E-10	1.12E-10	1.21E-09	1.49E-10	4.91E-10	3.39E-11	6.74E-10
1372	471063.93	3818856.4	1.77E-09	7.45E-09	6.71E-10	9.90E-09	1.48E-09	5.48E-09	4.82E-10	7.44E-09	1.68E-10	9.60E-10	1.14E-10	1.24E-09	1.52E-10	5.02E-10	3.46E-11	6.89E-10
1373	471067.5	3818865.27	1.82E-09	7.63E-09	6.87E-10	1.01E-08	1.51E-09	5.61E-09	4.93E-10	7.61E-09	1.72E-10	9.82E-10	1.17E-10	1.27E-09	1.56E-10	5.14E-10	3.55E-11	7.06E-10

1374	471071.07	3818874.14	1.86E-09	7.81E-09	7.03E-10	1.04E-08	1.55E-09	5.74E-09	5.05E-10	7.79E-09	1.76E-10	1.01E-09	1.20E-10	1.30E-09	1.60E-10	5.27E-10	3.63E-11	7.22E-10
1375	471074.65	3818883.01	1.90E-09	8.00E-09	7.20E-10	1.06E-08	1.59E-09	5.88E-09	5.17E-10	7.98E-09	1.80E-10	1.03E-09	1.23E-10	1.33E-09	1.64E-10	5.39E-10	3.72E-11	7.40E-10
1376	471078.22	3818891.88	1.95E-09	8.19E-09	7.37E-10	1.09E-08	1.62E-09	6.02E-09	5.29E-10	8.17E-09	1.84E-10	1.05E-09	1.26E-10	1.36E-09	1.67E-10	5.52E-10	3.80E-11	7.57E-10
1377	471081.79	3818900.75	2.00E-09	8.38E-09	7.55E-10	1.11E-08	1.66E-09	6.16E-09	5.42E-10	8.37E-09	1.89E-10	1.08E-09	1.29E-10	1.40E-09	1.71E-10	5.65E-10	3.90E-11	7.76E-10
1378	471085.36	3818909.62	2.04E-09	8.58E-09	7.73E-10	1.14E-08	1.70E-09	6.31E-09	5.55E-10	8.56E-09	1.93E-10	1.10E-09	1.32E-10	1.43E-09	1.75E-10	5.78E-10	3.99E-11	7.94E-10
1379	471088.93	3818918.49	2.09E-09	8.78E-09	7.91E-10	1.17E-08	1.74E-09	6.45E-09	5.68E-10	8.76E-09	1.97E-10	1.13E-09	1.35E-10	1.46E-09	1.80E-10	5.92E-10	4.08E-11	8.12E-10
1380	471092.5	3818927.35	2.14E-09	8.99E-09	8.10E-10	1.19E-08	1.78E-09	6.61E-09	5.81E-10	8.97E-09	2.02E-10	1.16E-09	1.38E-10	1.50E-09	1.84E-10	6.06E-10	4.18E-11	8.31E-10
1381	471096.07	3818936.22	2.19E-09	9.20E-09	8.29E-10	1.22E-08	1.82E-09	6.76E-09	5.95E-10	9.18E-09	2.07E-10	1.18E-09	1.41E-10	1.53E-09	1.88E-10	6.20E-10	4.27E-11	8.51E-10
1382	471106.78	3818962.83	2.35E-09	9.86E-09	8.88E-10	1.31E-08	1.96E-09	7.24E-09	6.37E-10	9.84E-09	2.22E-10	1.27E-09	1.51E-10	1.64E-09	2.01E-10	6.64E-10	4.58E-11	9.12E-10
1383	471110.35	3818971.7	2.40E-09	1.01E-08	9.08E-10	1.34E-08	2.00E-09	7.41E-09	6.52E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.68E-09	2.06E-10	6.80E-10	4.68E-11	9.32E-10
1384	471113.92	3818980.57	2.46E-09	1.03E-08	9.29E-10	1.37E-08	2.05E-09	7.58E-09	6.67E-10	1.03E-08	2.32E-10	1.33E-09	1.58E-10	1.72E-09	2.11E-10	6.95E-10	4.79E-11	9.54E-10
1385	471117.49	3818989.44	2.51E-09	1.05E-08	9.50E-10	1.40E-08	2.09E-09	7.75E-09	6.82E-10	1.05E-08	2.37E-10	1.36E-09	1.62E-10	1.76E-09	2.16E-10	7.11E-10	4.90E-11	9.76E-10
1386	471121.06	3818998.3	2.57E-09	1.08E-08	9.71E-10	1.43E-08	2.14E-09	7.93E-09	6.97E-10	1.08E-08	2.43E-10	1.39E-09	1.66E-10	1.80E-09	2.21E-10	7.27E-10	5.01E-11	9.98E-10
1387	471124.63	3819007.17	2.63E-09	1.10E-08	9.93E-10	1.46E-08	2.19E-09	8.10E-09	7.13E-10	1.10E-08	2.48E-10	1.42E-09	1.69E-10	1.84E-09	2.25E-10	7.43E-10	5.12E-11	1.02E-09
1388	471128.2	3819016.04	2.68E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.28E-09	7.29E-10	1.12E-08	2.53E-10	1.45E-09	1.73E-10	1.88E-09	2.30E-10	7.60E-10	5.24E-11	1.04E-09
1389	471131.77	3819024.91	2.74E-09	1.15E-08	1.04E-09	1.53E-08	2.28E-09	8.46E-09	7.44E-10	1.15E-08	2.59E-10	1.48E-09	1.77E-10	1.92E-09	2.35E-10	7.76E-10	5.35E-11	1.07E-09
1390	471135.34	3819033.78	2.80E-09	1.18E-08	1.06E-09	1.56E-08	2.33E-09	8.64E-09	7.60E-10	1.17E-08	2.64E-10	1.51E-09	1.81E-10	1.96E-09	2.40E-10	7.93E-10	5.46E-11	1.09E-09
1391	471138.91	3819042.65	2.86E-09	1.20E-08	1.08E-09	1.60E-08	2.38E-09	8.82E-09	7.76E-10	1.20E-08	2.70E-10	1.55E-09	1.84E-10	2.00E-09	2.45E-10	8.09E-10	5.58E-11	1.11E-09
1392	471142.48	3819051.52	2.92E-09	1.23E-08	1.10E-09	1.63E-08	2.43E-09	9.01E-09	7.92E-10	1.22E-08	2.76E-10	1.58E-09	1.88E-10	2.04E-09	2.51E-10	8.26E-10	5.70E-11	1.13E-09
1393	471146.06	3819060.39	2.98E-09	1.25E-08	1.13E-09	1.66E-08	2.48E-09	9.19E-09	8.08E-10	1.25E-08	2.81E-10	1.61E-09	1.92E-10	2.08E-09	2.56E-10	8.43E-10	5.81E-11	1.16E-09
1394	471149.63	3819069.25	3.04E-09	1.27E-08	1.15E-09	1.69E-08	2.53E-09	9.37E-09	8.24E-10	1.27E-08	2.87E-10	1.64E-09	1.96E-10	2.12E-09	2.61E-10	8.59E-10	5.92E-11	1.18E-09
1395	471153.2	3819078.12	3.09E-09	1.30E-08	1.17E-09	1.73E-08	2.58E-09	9.55E-09	8.40E-10	1.30E-08	2.92E-10	1.67E-09	2.00E-10	2.16E-09	2.66E-10	8.76E-10	6.04E-11	1.20E-09
1396	471156.77	3819086.99	3.15E-09	1.32E-08	1.19E-09	1.76E-08	2.62E-09	9.72E-09	8.55E-10	1.32E-08	2.98E-10	1.70E-09	2.03E-10	2.20E-09	2.70E-10	8.92E-10	6.15E-11	1.22E-09
1397	471160.34	3819095.86	3.21E-09	1.35E-08	1.21E-09	1.79E-08	2.67E-09	9.90E-09	8.71E-10	1.34E-08	3.03E-10	1.73E-09	2.07E-10	2.24E-09	2.75E-10	9.08E-10	6.26E-11	1.25E-09
1398	471163.91	3819104.73	3.26E-09	1.37E-08	1.23E-09	1.82E-08	2.72E-09	1.01E-08	8.86E-10	1.37E-08	3.08E-10	1.76E-09	2.11E-10	2.28E-09	2.80E-10	9.24E-10	6.37E-11	1.27E-09
1399	471167.48	3819113.6	3.32E-09	1.39E-08	1.26E-09	1.85E-08	2.76E-09	1.02E-08	9.01E-10	1.39E-08	3.13E-10	1.79E-09	2.14E-10	2.32E-09	2.85E-10	9.40E-10	6.48E-11	1.29E-09
1400	471171.05	3819122.47	3.37E-09	1.42E-08	1.28E-09	1.88E-08	2.81E-09	1.04E-08	9.16E-10	1.41E-08	3.19E-10	1.82E-09	2.18E-10	2.36E-09	2.90E-10	9.55E-10	6.58E-11	1.31E-09
1401	471174.62	3819131.34	3.43E-09	1.44E-08	1.30E-09	1.91E-08	2.86E-09	1.06E-08	9.30E-10	1.44E-08	3.24E-10	1.85E-09	2.21E-10	2.40E-09	2.94E-10	9.70E-10	6.69E-11	1.33E-09
1402	471185.33	3819157.94	3.58E-09	1.50E-08	1.35E-09	2.00E-08	2.98E-09	1.10E-08	9.72E-10	1.50E-08	3.38E-10	1.94E-09	2.31E-10	2.50E-09	3.07E-10	1.01E-09	6.99E-11	1.39E-09
1403	471188.9	3819166.81	3.63E-09	1.52E-08	1.37E-09	2.02E-08	3.02E-09	1.12E-08	9.85E-10	1.52E-08	3.43E-10	1.96E-09	2.34E-10	2.54E-09	3.11E-10	1.03E-09	7.08E-11	1.41E-09
1404	471192.47	3819175.68	3.67E-09	1.54E-08	1.39E-09	2.05E-08	3.06E-09	1.13E-08	9.97E-10	1.54E-08	3.47E-10	1.99E-09	2.37E-10	2.57E-09	3.15E-10	1.04E-09	7.17E-11	1.43E-09
1405	471196.04	3819184.55	3.72E-09	1.56E-08	1.41E-09	2.07E-08	3.10E-09	1.15E-08	1.01E-09	1.56E-08	3.51E-10	2.01E-09	2.40E-10	2.60E-09	3.19E-10	1.05E-09	7.25E-11	1.44E-09
1406	471199.61	3819193.42	3.76E-09	1.58E-08	1.42E-09	2.10E-08	3.13E-09	1.16E-08	1.02E-09	1.58E-08	3.55E-10	2.03E-09	2.43E-10	2.63E-09	3.23E-10	1.06E-09	7.34E-11	1.46E-09
1407	471203.18	3819202.29	3.80E-09	1.60E-08	1.44E-09	2.12E-08	3.16E-09	1.17E-08	1.03E-09	1.59E-08	3.59E-10	2.05E-09	2.45E-10	2.66E-09	3.26E-10	1.08E-09	7.41E-11	1.48E-09
1408	471206.75	3819211.15	3.84E-09	1.61E-08	1.45E-09	2.14E-08	3.20E-09	1.18E-08	1.04E-09	1.61E-08	3.62E-10	2.07E-09	2.48E-10	2.68E-09	3.29E-10	1.09E-09	7.49E-11	1.49E-09
1409	471210.32	3819220.02	3.87E-09	1.63E-08	1.47E-09	2.16E-08	3.23E-09	1.20E-08	1.05E-09	1.62E-08	3.66E-10	2.09E-09	2.50E-10	2.71E-09	3.33E-10	1.10E-09	7.56E-11	1.50E-09
1410	471213.89	3819228.89	3.91E-09	1.64E-08	1.48E-09	2.18E-08	3.25E-09	1.21E-08	1.06E-09	1.64E-08	3.69E-10	2.11E-09	2.52E-10	2.73E-09	3.35E-10	1.11E-09	7.62E-11	1.52E-09
1411	471217.46	3819237.76	3.94E-09	1.65E-08	1.49E-09	2.20E-08	3.28E-09	1.22E-08	1.07E-09	1.65E-08	3.72E-10	2.13E-09	2.54E-10	2.75E-09	3.38E-10	1.11E-09	7.68E-11	1.53E-09
1412	470284.78	3818298.53	2.29E-09	9.63E-09	8.67E-10	1.28E-08	1.91E-09	7.07E-09	6.22E-10	9.61E-09	2.16E-10	1.24E-09	1.48E-10	1.60E-09	1.97E-10	6.49E-10	4.47E-11	8.90E-10
1413	470275.22	3818298.39	2.32E-09	9.76E-09	8.79E-10	1.30E-08	1.94E-09	7.17E-09	6.31E-10	9.74E-09	2.19E-10	1.26E-09	1.50E-10	1.63E-09	1.99E-10	6.58E-10	4.53E-11	9.03E-10
1414	470265.65	3818298.26	2.35E-09	9.89E-09	8.90E-10	1.31E-08	1.96E-09	7.26E-09	6.39E-10	9.86E-09	2.22E-10	1.27E-09	1.52E-10	1.65E-09	2.02E-10	6.66E-10	4.59E-11	9.14E-10
1415	470256.09	3818298.12	2.38E-09	1.00E-08	9.01E-10	1.33E-08	1.98E-09	7.35E-09	6.47E-10	9.98E-09	2.25E-10	1.29E-09	1.54E-10	1.67E-09	2.04E-10	6.74E-10	4.65E-11	9.25E-10
1416	470246.53	3818297.99	2.41E-09	1.01E-08	9.10E-10	1.34E-08	2.00E-09	7.43E-09	6.53E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.68E-09	2.07E-10	6.81E-10	4.70E-11	9.35E-10
1417	470236.97	3818297.85	2.43E-09	1.02E-08	9.19E-10	1.36E-08	2.02E-09	7.50E-09	6.60E-10	1.02E-08	2.29E-10	1.31E-09	1.57E-10	1.70E-09	2.09E-10	6.88E-10	4.74E-11	9.44E-10
1418	470227.4	3818297.72	2.45E-09	1.03E-08	9.27E-10	1.37E-08	2.04E-09	7.57E-09	6.66E-10	1.03E-08	2.32E-10	1.33E-09	1.58E-10	1.72E-09	2.11E-10	6.94E-10	4.78E-11	9.52E-10
1419	470217.84	3818297.58	2.47E-09	1.04E-08	9.36E-10	1.38E-08	2.06E-09	7.63E-09	6.72E-10	1.04E-08	2.34E-10	1.34E-09	1.60E-10	1.73E-09	2.12E-10	7.00E-10	4.83E-11	9.61E-10
1420	470208.28	3818297.45	2.49E-09	1.05E-08	9.43E-10	1.39E-08	2.08E-09	7.70E-09	6.77E-10	1.05E-08	2.36E-10	1.35E-09	1.61E-10	1.75E-09	2.14E-10	7.06E-10	4.87E-11	9.69E-10
1421	470198.72	3818297.31	2.51E-09	1.05E-08	9.50E-10	1.40E-08	2.09E-09	7.75E-09	6.82E-10	1.05E-08	2.37E-10	1.36E-09	1.62E-10	1.76E-09	2.16E-10	7.11E-10	4.90E-11	9.76E-10
1422	470189.16	3818297.18	2.52E-09	1.06E-08	9.55E-10	1.41E-08	2.10E-09	7.79E-09	6.85E-10	1.06E-08	2.38E-10	1.36E-09	1.63E-10	1.77E-09	2.17E-10	7.15E-10	4.93E-11	9.81E-10
1423	470179.59	3818297.04	2.54E-09	1.06E-08	9.59E-10	1.41E-08	2.11E-09	7.82E-09	6.88E-10	1.06E-08	2.39E-10	1.37E-09	1.64E-10	1.77E-09	2.18E-10	7.18E-10	4.95E-11	9.85E-10
1424	470170.03	3818296.91	2.54E-09	1.07E-08	9.62E-10	1.42E-08	2.12E-09	7.85E-09	6.91E-10	1.07E-08	2.40E-10	1.38E-09	1.64E-10	1.78E-09	2.18E-10	7.20E-10	4.96E-11	9.88E-10

1425	470160.47	3818296.77	2.62E-09	1.10E-08	9.91E-10	1.46E-08	2.18E-09	8.09E-09	7.11E-10	1.10E-08	2.47E-10	1.42E-09	1.69E-10	1.83E-09	2.25E-10	7.42E-10	5.11E-11	1.02E-09
1426	470150.91	3818296.64	2.63E-09	1.10E-08	9.95E-10	1.47E-08	2.19E-09	8.12E-09	7.14E-10	1.10E-08	2.48E-10	1.42E-09	1.70E-10	1.84E-09	2.26E-10	7.44E-10	5.13E-11	1.02E-09
1427	470141.34	3818296.5	2.63E-09	1.11E-08	9.96E-10	1.47E-08	2.19E-09	8.13E-09	7.15E-10	1.10E-08	2.49E-10	1.42E-09	1.70E-10	1.84E-09	2.26E-10	7.46E-10	5.14E-11	1.02E-09
1428	470131.78	3818296.37	2.64E-09	1.11E-08	9.97E-10	1.47E-08	2.20E-09	8.13E-09	7.16E-10	1.10E-08	2.49E-10	1.43E-09	1.70E-10	1.84E-09	2.26E-10	7.46E-10	5.14E-11	1.02E-09
1429	470122.22	3818296.23	2.63E-09	1.11E-08	9.96E-10	1.47E-08	2.19E-09	8.13E-09	7.15E-10	1.10E-08	2.49E-10	1.42E-09	1.70E-10	1.84E-09	2.26E-10	7.45E-10	5.14E-11	1.02E-09
1430	470757.59	3818417.02	1.14E-09	4.81E-09	4.33E-10	6.38E-09	9.53E-10	3.53E-09	3.11E-10	4.80E-09	1.08E-10	6.19E-10	7.38E-11	8.01E-10	9.82E-11	3.24E-10	2.23E-11	4.45E-10
1431	470766.31	3818420.76	1.13E-09	4.75E-09	4.27E-10	6.30E-09	9.41E-10	3.49E-09	3.07E-10	4.74E-09	1.07E-10	6.11E-10	7.29E-11	7.90E-10	9.70E-11	3.20E-10	2.20E-11	4.39E-10
1432	470775.03	3818424.5	1.12E-09	4.69E-09	4.22E-10	6.22E-09	9.29E-10	3.44E-09	3.03E-10	4.67E-09	1.05E-10	6.03E-10	7.20E-11	7.80E-10	9.58E-11	3.16E-10	2.18E-11	4.33E-10
1433	470783.75	3818428.25	1.10E-09	4.62E-09	4.16E-10	6.14E-09	9.17E-10	3.40E-09	2.99E-10	4.61E-09	1.04E-10	5.95E-10	7.10E-11	7.70E-10	9.45E-11	3.12E-10	2.15E-11	4.28E-10
1434	470792.47	3818431.99	1.09E-09	4.56E-09	4.11E-10	6.06E-09	9.05E-10	3.35E-09	2.95E-10	4.55E-09	1.03E-10	5.88E-10	7.01E-11	7.60E-10	9.33E-11	3.08E-10	2.12E-11	4.22E-10
1435	470801.19	3818435.73	1.07E-09	4.51E-09	4.06E-10	5.99E-09	8.94E-10	3.31E-09	2.91E-10	4.50E-09	1.01E-10	5.80E-10	6.92E-11	7.51E-10	9.21E-11	3.04E-10	2.09E-11	4.17E-10
1436	470809.91	3818439.47	1.06E-09	4.45E-09	4.01E-10	5.91E-09	8.82E-10	3.27E-09	2.88E-10	4.44E-09	1.00E-10	5.73E-10	6.83E-11	7.41E-10	9.09E-11	3.00E-10	2.07E-11	4.11E-10
1437	470818.63	3818443.22	1.05E-09	4.39E-09	3.96E-10	5.84E-09	8.72E-10	3.23E-09	2.84E-10	4.38E-09	9.88E-11	5.66E-10	6.75E-11	7.32E-10	8.98E-11	2.96E-10	2.04E-11	4.06E-10
1438	470827.35	3818446.96	1.03E-09	4.34E-09	3.91E-10	5.76E-09	8.61E-10	3.19E-09	2.80E-10	4.33E-09	9.76E-11	5.59E-10	6.66E-11	7.23E-10	8.87E-11	2.92E-10	2.02E-11	4.01E-10
1439	470836.07	3818450.7	1.02E-09	4.28E-09	3.86E-10	5.69E-09	8.50E-10	3.15E-09	2.77E-10	4.28E-09	9.63E-11	5.52E-10	6.58E-11	7.14E-10	8.76E-11	2.89E-10	1.99E-11	3.96E-10
1440	470844.79	3818454.44	1.01E-09	4.23E-09	3.81E-10	5.62E-09	8.40E-10	3.11E-09	2.74E-10	4.22E-09	9.52E-11	5.45E-10	6.50E-11	7.05E-10	8.65E-11	2.85E-10	1.97E-11	3.91E-10
1441	470853.51	3818458.19	9.96E-10	4.18E-09	3.77E-10	5.55E-09	8.29E-10	3.07E-09	2.70E-10	4.17E-09	9.40E-11	5.38E-10	6.42E-11	6.96E-10	8.55E-11	2.82E-10	1.94E-11	3.87E-10
1442	470862.23	3818461.93	9.84E-10	4.13E-09	3.72E-10	5.49E-09	8.20E-10	3.04E-09	2.67E-10	4.12E-09	9.29E-11	5.32E-10	6.35E-11	6.88E-10	8.45E-11	2.78E-10	1.92E-11	3.82E-10
1443	470870.95	3818465.67	9.72E-10	4.08E-09	3.68E-10	5.42E-09	8.10E-10	3.00E-09	2.64E-10	4.07E-09	9.18E-11	5.26E-10	6.27E-11	6.80E-10	8.35E-11	2.75E-10	1.90E-11	3.78E-10
1444	470914.54	3818484.38	9.21E-10	3.87E-09	3.48E-10	5.14E-09	7.68E-10	2.84E-09	2.50E-10	3.86E-09	8.70E-11	4.98E-10	5.94E-11	6.45E-10	7.91E-11	2.61E-10	1.80E-11	3.58E-10
1445	470923.26	3818488.13	9.13E-10	3.83E-09	3.45E-10	5.09E-09	7.60E-10	2.82E-09	2.48E-10	3.82E-09	8.62E-11	4.93E-10	5.89E-11	6.38E-10	7.83E-11	2.58E-10	1.78E-11	3.54E-10
1446	470931.98	3818491.87	9.04E-10	3.80E-09	3.42E-10	5.04E-09	7.53E-10	2.79E-09	2.45E-10	3.79E-09	8.54E-11	4.89E-10	5.83E-11	6.33E-10	7.76E-11	2.56E-10	1.76E-11	3.51E-10
1447	470940.7	3818495.61	8.97E-10	3.77E-09	3.39E-10	5.00E-09	7.47E-10	2.77E-09	2.43E-10	3.76E-09	8.47E-11	4.85E-10	5.78E-11	6.27E-10	7.70E-11	2.54E-10	1.75E-11	3.48E-10
1448	470949.42	3818499.35	8.89E-10	3.73E-09	3.36E-10	4.96E-09	7.41E-10	2.74E-09	2.41E-10	3.73E-09	8.40E-11	4.81E-10	5.74E-11	6.22E-10	7.63E-11	2.52E-10	1.74E-11	3.45E-10
1449	470958.14	3818503.1	8.82E-10	3.71E-09	3.34E-10	4.92E-09	7.35E-10	2.72E-09	2.40E-10	3.70E-09	8.33E-11	4.77E-10	5.69E-11	6.17E-10	7.57E-11	2.50E-10	1.72E-11	3.43E-10
1450	470966.86	3818506.84	8.75E-10	3.68E-09	3.31E-10	4.88E-09	7.29E-10	2.70E-09	2.38E-10	3.67E-09	8.27E-11	4.73E-10	5.65E-11	6.12E-10	7.52E-11	2.48E-10	1.71E-11	3.40E-10
1451	470975.58	3818510.58	8.70E-10	3.65E-09	3.29E-10	4.85E-09	7.25E-10	2.68E-09	2.36E-10	3.65E-09	8.22E-11	4.70E-10	5.61E-11	6.09E-10	7.47E-11	2.46E-10	1.70E-11	3.38E-10
1452	470984.3	3818514.32	8.64E-10	3.63E-09	3.27E-10	4.82E-09	7.20E-10	2.67E-09	2.35E-10	3.62E-09	8.16E-11	4.67E-10	5.58E-11	6.05E-10	7.42E-11	2.45E-10	1.69E-11	3.36E-10
1453	470993.02	3818518.07	8.59E-10	3.61E-09	3.25E-10	4.79E-09	7.15E-10	2.65E-09	2.33E-10	3.60E-09	8.11E-11	4.64E-10	5.54E-11	6.01E-10	7.37E-11	2.43E-10	1.68E-11	3.34E-10
1454	471001.74	3818521.81	8.55E-10	3.59E-09	3.23E-10	4.77E-09	7.12E-10	2.64E-09	2.32E-10	3.58E-09	8.07E-11	4.62E-10	5.51E-11	5.98E-10	7.34E-11	2.42E-10	1.67E-11	3.32E-10
1455	471014	3818534.35	8.59E-10	3.61E-09	3.25E-10	4.79E-09	7.15E-10	2.65E-09	2.33E-10	3.60E-09	8.11E-11	4.64E-10	5.54E-11	6.01E-10	7.37E-11	2.43E-10	1.68E-11	3.34E-10
1456	471017.54	3818543.15	8.69E-10	3.65E-09	3.29E-10	4.84E-09	7.23E-10	2.68E-09	2.36E-10	3.64E-09	8.20E-11	4.70E-10	5.60E-11	6.08E-10	7.46E-11	2.46E-10	1.69E-11	3.37E-10
1457	471021.09	3818551.96	8.78E-10	3.69E-09	3.32E-10	4.90E-09	7.32E-10	2.71E-09	2.38E-10	3.68E-09	8.29E-11	4.75E-10	5.66E-11	6.14E-10	7.54E-11	2.49E-10	1.71E-11	3.41E-10
1458	471024.63	3818560.76	8.89E-10	3.73E-09	3.36E-10	4.96E-09	7.40E-10	2.74E-09	2.41E-10	3.72E-09	8.39E-11	4.80E-10	5.73E-11	6.22E-10	7.63E-11	2.52E-10	1.73E-11	3.45E-10
1459	471028.17	3818569.56	9.00E-10	3.78E-09	3.40E-10	5.02E-09	7.50E-10	2.78E-09	2.44E-10	3.77E-09	8.50E-11	4.87E-10	5.81E-11	6.30E-10	7.73E-11	2.55E-10	1.76E-11	3.50E-10
1460	471031.72	3818578.36	9.12E-10	3.83E-09	3.45E-10	5.09E-09	7.59E-10	2.81E-09	2.48E-10	3.82E-09	8.61E-11	4.93E-10	5.88E-11	6.38E-10	7.83E-11	2.58E-10	1.78E-11	3.54E-10
1461	471035.26	3818587.16	9.24E-10	3.88E-09	3.50E-10	5.15E-09	7.70E-10	2.85E-09	2.51E-10	3.87E-09	8.73E-11	5.00E-10	5.96E-11	6.46E-10	7.93E-11	2.62E-10	1.80E-11	3.59E-10
1462	471038.8	3818595.97	9.37E-10	3.93E-09	3.54E-10	5.22E-09	7.80E-10	2.89E-09	2.54E-10	3.92E-09	8.84E-11	5.06E-10	6.04E-11	6.55E-10	8.04E-11	2.65E-10	1.83E-11	3.64E-10
1463	471042.35	3818604.77	9.50E-10	3.99E-09	3.59E-10	5.30E-09	7.92E-10	2.93E-09	2.58E-10	3.98E-09	8.97E-11	5.14E-10	6.13E-11	6.65E-10	8.16E-11	2.69E-10	1.85E-11	3.69E-10
1464	471045.89	3818613.57	9.65E-10	4.05E-09	3.65E-10	5.38E-09	8.04E-10	2.98E-09	2.62E-10	4.04E-09	9.11E-11	5.21E-10	6.22E-11	6.75E-10	8.28E-11	2.73E-10	1.88E-11	3.75E-10
1465	471049.44	3818622.37	9.80E-10	4.11E-09	3.71E-10	5.46E-09	8.16E-10	3.02E-09	2.66E-10	4.11E-09	9.25E-11	5.30E-10	6.32E-11	6.85E-10	8.41E-11	2.77E-10	1.91E-11	3.81E-10
1466	471052.98	3818631.17	9.95E-10	4.18E-09	3.76E-10	5.55E-09	8.29E-10	3.07E-09	2.70E-10	4.17E-09	9.39E-11	5.38E-10	6.42E-11	6.96E-10	8.54E-11	2.82E-10	1.94E-11	3.86E-10
1467	471056.52	3818639.98	1.01E-09	4.25E-09	3.82E-10	5.64E-09	8.42E-10	3.12E-09	2.75E-10	4.24E-09	9.55E-11	5.47E-10	6.52E-11	7.07E-10	8.68E-11	2.86E-10	1.97E-11	3.93E-10
1468	471060.07	3818648.78	1.03E-09	4.32E-09	3.89E-10	5.74E-09	8.57E-10	3.17E-09	2.79E-10	4.31E-09	9.71E-11	5.56E-10	6.63E-11	7.19E-10	8.83E-11	2.91E-10	2.01E-11	3.99E-10
1469	471063.61	3818657.58	1.05E-09	4.39E-09	3.95E-10	5.83E-09	8.71E-10	3.23E-09	2.84E-10	4.38E-09	9.87E-11	5.65E-10	6.74E-11	7.31E-10	8.98E-11	2.96E-10	2.04E-11	4.06E-10
1470	471067.15	3818666.38	1.06E-09	4.47E-09	4.02E-10	5.94E-09	8.86E-10	3.28E-09	2.89E-10	4.46E-09	1.00E-10	5.75E-10	6.86E-11	7.44E-10	9.13E-11	3.01E-10	2.08E-11	4.13E-10
1471	471070.7	3818675.18	1.08E-09	4.55E-09	4.10E-10	6.04E-09	9.02E-10	3.34E-09	2.94E-10	4.54E-09	1.02E-10	5.86E-10	6.99E-11	7.58E-10	9.30E-11	3.07E-10	2.11E-11	4.21E-10
1472	471074.24	3818683.99	1.10E-09	4.63E-09	4.17E-10	6.15E-09	9.19E-10	3.40E-09	2.99E-10	4.62E-09	1.04E-10	5.96E-10	7.12E-11	7.72E-10	9.47E-11	3.12E-10	2.15E-11	4.29E-10
1473	471077.78	3818692.79	1.12E-09	4.72E-09	4.25E-10	6.27E-09	9.36E-10	3.47E-09	3.05E-10	4.71E-09	1.06E-10	6.08E-10	7.25E-11	7.86E-10	9.65E-11	3.18E-10	2.19E-11	4.37E-10
1474	471081.33	3818701.59	1.15E-09	4.81E-09	4.33E-10	6.39E-09	9.54E-10	3.53E-09	3.11E-10	4.80E-09	1.08E-10	6.19E-10	7.39E-11	8.01E-10	9.83E-11	3.24E-10	2.23E-11	4.45E-10
1475	471084.87	3818710.39	1.17E-09	4.90E-09	4.41E-10	6.51E-09	9.72E-10	3.60E-09	3.17E-10	4.89E-09	1.10E-10	6.31E-10	7.53E-11	8.16E-10	1.00E-10	3.30E-10	2.28E-11	4.53E-10

1476	471088.42	3818719.19	1.19E-09	5.00E-09	4.50E-10	6.64E-09	9.91E-10	3.67E-09	3.23E-10	4.99E-09	1.12E-10	6.43E-10	7.67E-11	8.32E-10	1.02E-10	3.37E-10	2.32E-11	4.62E-10
1477	471091.96	3818728	1.21E-09	5.09E-09	4.59E-10	6.77E-09	1.01E-09	3.74E-09	3.29E-10	5.08E-09	1.15E-10	6.56E-10	7.82E-11	8.49E-10	1.04E-10	3.43E-10	2.37E-11	4.71E-10
1478	471095.5	3818736.8	1.24E-09	5.20E-09	4.68E-10	6.90E-09	1.03E-09	3.82E-09	3.36E-10	5.19E-09	1.17E-10	6.69E-10	7.98E-11	8.66E-10	1.06E-10	3.50E-10	2.42E-11	4.81E-10
1479	471099.05	3818745.6	1.26E-09	5.30E-09	4.77E-10	7.04E-09	1.05E-09	3.90E-09	3.43E-10	5.29E-09	1.19E-10	6.82E-10	8.14E-11	8.83E-10	1.08E-10	3.57E-10	2.46E-11	4.90E-10
1480	471102.59	3818754.4	1.29E-09	5.41E-09	4.87E-10	7.18E-09	1.07E-09	3.97E-09	3.50E-10	5.40E-09	1.22E-10	6.96E-10	8.31E-11	9.01E-10	1.11E-10	3.65E-10	2.51E-11	5.00E-10
1481	471106.13	3818763.2	1.31E-09	5.52E-09	4.97E-10	7.33E-09	1.09E-09	4.06E-09	3.57E-10	5.51E-09	1.24E-10	7.11E-10	8.48E-11	9.20E-10	1.13E-10	3.72E-10	2.57E-11	5.11E-10
1482	471109.68	3818772.01	1.34E-09	5.64E-09	5.08E-10	7.49E-09	1.12E-09	4.14E-09	3.64E-10	5.62E-09	1.27E-10	7.25E-10	8.66E-11	9.39E-10	1.15E-10	3.80E-10	2.62E-11	5.21E-10
1483	471113.22	3818780.81	1.37E-09	5.75E-09	5.18E-10	7.64E-09	1.14E-09	4.23E-09	3.72E-10	5.74E-09	1.29E-10	7.40E-10	8.83E-11	9.58E-10	1.18E-10	3.88E-10	2.67E-11	5.32E-10
1484	471138.03	3818842.42	1.59E-09	6.67E-09	6.00E-10	8.86E-09	1.32E-09	4.90E-09	4.31E-10	6.65E-09	1.50E-10	8.58E-10	1.02E-10	1.11E-09	1.36E-10	4.49E-10	3.10E-11	6.17E-10
1485	471141.57	3818851.22	1.62E-09	6.81E-09	6.13E-10	9.05E-09	1.35E-09	5.01E-09	4.40E-10	6.80E-09	1.53E-10	8.77E-10	1.05E-10	1.13E-09	1.39E-10	4.59E-10	3.16E-11	6.30E-10
1486	471145.11	3818860.03	1.66E-09	6.96E-09	6.27E-10	9.25E-09	1.38E-09	5.12E-09	4.50E-10	6.95E-09	1.57E-10	8.96E-10	1.07E-10	1.16E-09	1.42E-10	4.69E-10	3.23E-11	6.44E-10
1487	471148.66	3818868.83	1.69E-09	7.11E-09	6.40E-10	9.44E-09	1.41E-09	5.23E-09	4.60E-10	7.10E-09	1.60E-10	9.15E-10	1.09E-10	1.18E-09	1.45E-10	4.79E-10	3.30E-11	6.58E-10
1488	471152.2	3818877.63	1.73E-09	7.26E-09	6.54E-10	9.65E-09	1.44E-09	5.34E-09	4.70E-10	7.25E-09	1.63E-10	9.35E-10	1.12E-10	1.21E-09	1.48E-10	4.90E-10	3.38E-11	6.72E-10
1489	471155.74	3818886.43	1.77E-09	7.42E-09	6.68E-10	9.86E-09	1.47E-09	5.45E-09	4.80E-10	7.41E-09	1.67E-10	9.55E-10	1.14E-10	1.24E-09	1.52E-10	5.00E-10	3.45E-11	6.86E-10
1490	471159.29	3818895.23	1.81E-09	7.58E-09	6.83E-10	1.01E-08	1.50E-09	5.57E-09	4.90E-10	7.56E-09	1.70E-10	9.76E-10	1.16E-10	1.26E-09	1.55E-10	5.11E-10	3.52E-11	7.01E-10
1491	471162.83	3818904.04	1.84E-09	7.75E-09	6.98E-10	1.03E-08	1.54E-09	5.69E-09	5.01E-10	7.73E-09	1.74E-10	9.97E-10	1.19E-10	1.29E-09	1.58E-10	5.22E-10	3.60E-11	7.17E-10
1492	471166.37	3818912.84	1.89E-09	7.92E-09	7.13E-10	1.05E-08	1.57E-09	5.82E-09	5.12E-10	7.90E-09	1.78E-10	1.02E-09	1.22E-10	1.32E-09	1.62E-10	5.34E-10	3.68E-11	7.32E-10
1493	471169.92	3818921.64	1.93E-09	8.09E-09	7.29E-10	1.07E-08	1.60E-09	5.95E-09	5.23E-10	8.07E-09	1.82E-10	1.04E-09	1.24E-10	1.35E-09	1.65E-10	5.45E-10	3.76E-11	7.48E-10
1494	471173.46	3818930.44	1.97E-09	8.27E-09	7.44E-10	1.10E-08	1.64E-09	6.07E-09	5.34E-10	8.25E-09	1.86E-10	1.06E-09	1.27E-10	1.38E-09	1.69E-10	5.57E-10	3.84E-11	7.65E-10
1495	471180.55	3818948.05	2.05E-09	8.63E-09	7.77E-10	1.15E-08	1.71E-09	6.34E-09	5.58E-10	8.61E-09	1.94E-10	1.11E-09	1.32E-10	1.44E-09	1.76E-10	5.81E-10	4.01E-11	7.98E-10
1496	471184.09	3818956.85	2.10E-09	8.81E-09	7.93E-10	1.17E-08	1.75E-09	6.47E-09	5.69E-10	8.79E-09	1.98E-10	1.13E-09	1.35E-10	1.47E-09	1.80E-10	5.94E-10	4.09E-11	8.15E-10
1497	471187.64	3818965.65	2.14E-09	9.00E-09	8.10E-10	1.20E-08	1.78E-09	6.61E-09	5.82E-10	8.98E-09	2.02E-10	1.16E-09	1.38E-10	1.50E-09	1.84E-10	6.07E-10	4.18E-11	8.32E-10
1498	471191.18	3818974.45	2.19E-09	9.19E-09	8.27E-10	1.22E-08	1.82E-09	6.75E-09	5.94E-10	9.17E-09	2.07E-10	1.18E-09	1.41E-10	1.53E-09	1.88E-10	6.19E-10	4.27E-11	8.50E-10
1499	471194.72	3818983.26	2.23E-09	9.38E-09	8.45E-10	1.25E-08	1.86E-09	6.89E-09	6.06E-10	9.36E-09	2.11E-10	1.21E-09	1.44E-10	1.56E-09	1.92E-10	6.32E-10	4.36E-11	8.68E-10
1500	471198.27	3818992.06	2.28E-09	9.58E-09	8.63E-10	1.27E-08	1.90E-09	7.04E-09	6.19E-10	9.56E-09	2.15E-10	1.23E-09	1.47E-10	1.60E-09	1.96E-10	6.46E-10	4.45E-11	8.86E-10
1501	471201.81	3819000.86	2.33E-09	9.77E-09	8.80E-10	1.30E-08	1.94E-09	7.18E-09	6.32E-10	9.75E-09	2.20E-10	1.26E-09	1.50E-10	1.63E-09	2.00E-10	6.59E-10	4.54E-11	9.04E-10
1502	471205.35	3819009.66	2.37E-09	9.97E-09	8.98E-10	1.32E-08	1.98E-09	7.33E-09	6.45E-10	9.95E-09	2.24E-10	1.28E-09	1.53E-10	1.66E-09	2.04E-10	6.72E-10	4.63E-11	9.22E-10
1503	471208.9	3819018.46	2.42E-09	1.02E-08	9.16E-10	1.35E-08	2.02E-09	7.47E-09	6.57E-10	1.01E-08	2.29E-10	1.31E-09	1.56E-10	1.69E-09	2.08E-10	6.86E-10	4.73E-11	9.41E-10
1504	471212.44	3819027.27	2.47E-09	1.04E-08	9.34E-10	1.38E-08	2.06E-09	7.62E-09	6.70E-10	1.04E-08	2.33E-10	1.34E-09	1.59E-10	1.73E-09	2.12E-10	6.99E-10	4.82E-11	9.59E-10
1505	471215.99	3819036.07	2.52E-09	1.06E-08	9.52E-10	1.40E-08	2.10E-09	7.77E-09	6.83E-10	1.05E-08	2.38E-10	1.36E-09	1.62E-10	1.76E-09	2.16E-10	7.13E-10	4.91E-11	9.78E-10
1506	471219.53	3819044.87	2.56E-09	1.08E-08	9.70E-10	1.43E-08	2.14E-09	7.91E-09	6.96E-10	1.07E-08	2.42E-10	1.39E-09	1.65E-10	1.79E-09	2.20E-10	7.26E-10	5.00E-11	9.96E-10
1507	471223.07	3819053.67	2.61E-09	1.10E-08	9.88E-10	1.46E-08	2.18E-09	8.06E-09	7.09E-10	1.09E-08	2.47E-10	1.41E-09	1.68E-10	1.83E-09	2.24E-10	7.39E-10	5.10E-11	1.01E-09
1508	471226.62	3819062.47	2.66E-09	1.12E-08	1.01E-09	1.48E-08	2.21E-09	8.20E-09	7.22E-10	1.11E-08	2.51E-10	1.44E-09	1.71E-10	1.86E-09	2.28E-10	7.53E-10	5.19E-11	1.03E-09
1509	471230.16	3819071.28	2.71E-09	1.14E-08	1.02E-09	1.51E-08	2.25E-09	8.35E-09	7.34E-10	1.13E-08	2.55E-10	1.46E-09	1.74E-10	1.89E-09	2.32E-10	7.66E-10	5.28E-11	1.05E-09
1510	471233.7	3819080.08	2.75E-09	1.16E-08	1.04E-09	1.53E-08	2.29E-09	8.49E-09	7.47E-10	1.15E-08	2.60E-10	1.49E-09	1.78E-10	1.93E-09	2.36E-10	7.79E-10	5.37E-11	1.07E-09
1511	471237.25	3819088.88	2.80E-09	1.18E-08	1.06E-09	1.56E-08	2.33E-09	8.63E-09	7.59E-10	1.17E-08	2.64E-10	1.51E-09	1.80E-10	1.96E-09	2.40E-10	7.92E-10	5.46E-11	1.09E-09
1512	471240.79	3819097.68	2.84E-09	1.19E-08	1.08E-09	1.59E-08	2.37E-09	8.77E-09	7.72E-10	1.19E-08	2.68E-10	1.54E-09	1.83E-10	1.99E-09	2.44E-10	8.05E-10	5.55E-11	1.10E-09
1513	471244.33	3819106.48	2.89E-09	1.21E-08	1.09E-09	1.61E-08	2.40E-09	8.91E-09	7.84E-10	1.21E-08	2.73E-10	1.56E-09	1.86E-10	2.02E-09	2.48E-10	8.17E-10	5.63E-11	1.12E-09
1514	471247.88	3819115.29	2.93E-09	1.23E-08	1.11E-09	1.63E-08	2.44E-09	9.04E-09	7.95E-10	1.23E-08	2.77E-10	1.58E-09	1.89E-10	2.05E-09	2.52E-10	8.29E-10	5.72E-11	1.14E-09
1515	471251.42	3819124.09	2.97E-09	1.25E-08	1.12E-09	1.66E-08	2.48E-09	9.18E-09	8.07E-10	1.25E-08	2.81E-10	1.61E-09	1.92E-10	2.08E-09	2.55E-10	8.42E-10	5.80E-11	1.16E-09
1516	471262.05	3819150.49	3.10E-09	1.30E-08	1.17E-09	1.73E-08	2.58E-09	9.55E-09	8.40E-10	1.30E-08	2.92E-10	1.67E-09	2.00E-10	2.17E-09	2.66E-10	8.76E-10	6.04E-11	1.20E-09
1517	471265.6	3819159.3	3.13E-09	1.32E-08	1.19E-09	1.75E-08	2.61E-09	9.67E-09	8.51E-10	1.31E-08	2.96E-10	1.69E-09	2.02E-10	2.19E-09	2.69E-10	8.87E-10	6.12E-11	1.22E-09
1518	471269.14	3819168.1	3.17E-09	1.33E-08	1.20E-09	1.77E-08	2.64E-09	9.79E-09	8.61E-10	1.33E-08	2.99E-10	1.71E-09	2.05E-10	2.22E-09	2.72E-10	8.98E-10	6.19E-11	1.23E-09
1519	471272.68	3819176.9	3.21E-09	1.35E-08	1.21E-09	1.79E-08	2.67E-09	9.90E-09	8.71E-10	1.34E-08	3.03E-10	1.73E-09	2.07E-10	2.24E-09	2.75E-10	9.08E-10	6.26E-11	1.25E-09
1520	471276.23	3819185.7	3.24E-09	1.36E-08	1.23E-09	1.81E-08	2.70E-09	1.00E-08	8.80E-10	1.36E-08	3.06E-10	1.75E-09	2.09E-10	2.27E-09	2.78E-10	9.17E-10	6.32E-11	1.26E-09
1521	471279.77	3819194.5	3.27E-09	1.37E-08	1.24E-09	1.83E-08	2.73E-09	1.01E-08	8.89E-10	1.37E-08	3.09E-10	1.77E-09	2.11E-10	2.29E-09	2.81E-10	9.27E-10	6.39E-11	1.27E-09
1522	471283.31	3819203.31	3.30E-09	1.39E-08	1.25E-09	1.84E-08	2.75E-09	1.02E-08	8.97E-10	1.38E-08	3.12E-10	1.79E-09	2.13E-10	2.31E-09	2.84E-10	9.35E-10	6.45E-11	1.28E-09
1523	471286.86	3819212.11	3.33E-09	1.40E-08	1.26E-09	1.86E-08	2.78E-09	1.03E-08	9.05E-10	1.40E-08	3.15E-10	1.80E-09	2.15E-10	2.33E-09	2.86E-10	9.43E-10	6.50E-11	1.29E-09
1524	471290.4	3819220.91	3.36E-09	1.41E-08	1.27E-09	1.87E-08	2.80E-09	1.04E-08	9.12E-10	1.41E-08	3.17E-10	1.82E-09	2.17E-10	2.35E-09	2.88E-10	9.51E-10	6.56E-11	1.31E-09
1525	471293.95	3819229.71	3.39E-09	1.42E-08	1.28E-09	1.89E-08	2.82E-09	1.04E-08	9.19E-10	1.42E-08	3.20E-10	1.83E-09	2.18E-10	2.37E-09	2.91E-10	9.58E-10	6.61E-11	1.32E-09
1526	470266.78	3818218.27	2.03E-09	8.52E-09	7.67E-10	1.13E-08	1.69E-09	6.26E-09	5.51E-10	8.50E-09	1.92E-10	1.10E-09	1.31E-10	1.42E-09	1.74E-10	5.74E-10	3.96E-11	7.88E-10

1527	470257.22	3818218.13	2.05E-09	8.62E-09	7.76E-10	1.14E-08	1.71E-09	6.33E-09	5.57E-10	8.60E-09	1.94E-10	1.11E-09	1.32E-10	1.44E-09	1.76E-10	5.81E-10	4.00E-11	7.97E-10
1528	470247.66	3818218	2.07E-09	8.71E-09	7.85E-10	1.16E-08	1.73E-09	6.40E-09	5.63E-10	8.69E-09	1.96E-10	1.12E-09	1.34E-10	1.45E-09	1.78E-10	5.87E-10	4.05E-11	8.06E-10
1529	470238.1	3818217.86	2.10E-09	8.80E-09	7.93E-10	1.17E-08	1.75E-09	6.47E-09	5.69E-10	8.78E-09	1.98E-10	1.13E-09	1.35E-10	1.47E-09	1.80E-10	5.93E-10	4.09E-11	8.14E-10
1530	470228.53	3818217.73	2.12E-09	8.88E-09	8.00E-10	1.18E-08	1.76E-09	6.53E-09	5.74E-10	8.86E-09	2.00E-10	1.14E-09	1.36E-10	1.48E-09	1.82E-10	5.99E-10	4.13E-11	8.22E-10
1531	470218.97	3818217.59	2.13E-09	8.96E-09	8.07E-10	1.19E-08	1.78E-09	6.58E-09	5.79E-10	8.94E-09	2.01E-10	1.15E-09	1.38E-10	1.49E-09	1.83E-10	6.04E-10	4.16E-11	8.29E-10
1532	470209.41	3818217.46	2.15E-09	9.02E-09	8.13E-10	1.20E-08	1.79E-09	6.63E-09	5.83E-10	9.00E-09	2.03E-10	1.16E-09	1.39E-10	1.50E-09	1.84E-10	6.08E-10	4.19E-11	8.35E-10
1533	470199.85	3818217.32	2.16E-09	9.08E-09	8.18E-10	1.21E-08	1.80E-09	6.68E-09	5.87E-10	9.06E-09	2.04E-10	1.17E-09	1.40E-10	1.51E-09	1.86E-10	6.12E-10	4.22E-11	8.40E-10
1534	470190.28	3818217.19	2.17E-09	9.13E-09	8.22E-10	1.21E-08	1.81E-09	6.71E-09	5.90E-10	9.11E-09	2.05E-10	1.18E-09	1.40E-10	1.52E-09	1.87E-10	6.15E-10	4.24E-11	8.45E-10
1535	470180.72	3818217.05	2.18E-09	9.17E-09	8.26E-10	1.22E-08	1.82E-09	6.74E-09	5.93E-10	9.15E-09	2.06E-10	1.18E-09	1.41E-10	1.53E-09	1.87E-10	6.18E-10	4.26E-11	8.48E-10
1536	470171.16	3818216.92	2.19E-09	9.20E-09	8.29E-10	1.22E-08	1.83E-09	6.76E-09	5.95E-10	9.18E-09	2.07E-10	1.18E-09	1.41E-10	1.53E-09	1.88E-10	6.20E-10	4.28E-11	8.51E-10
1537	470161.6	3818216.78	2.20E-09	9.23E-09	8.31E-10	1.23E-08	1.83E-09	6.78E-09	5.96E-10	9.21E-09	2.07E-10	1.19E-09	1.42E-10	1.54E-09	1.89E-10	6.22E-10	4.29E-11	8.53E-10
1538	470152.04	3818216.65	2.20E-09	9.24E-09	8.32E-10	1.23E-08	1.83E-09	6.79E-09	5.97E-10	9.22E-09	2.08E-10	1.19E-09	1.42E-10	1.54E-09	1.89E-10	6.23E-10	4.29E-11	8.55E-10
1539	470142.47	3818216.51	2.27E-09	9.52E-09	8.57E-10	1.26E-08	1.89E-09	7.00E-09	6.15E-10	9.50E-09	2.14E-10	1.23E-09	1.46E-10	1.59E-09	1.95E-10	6.42E-10	4.42E-11	8.81E-10
1540	470132.91	3818216.38	2.27E-09	9.53E-09	8.58E-10	1.27E-08	1.89E-09	7.00E-09	6.16E-10	9.51E-09	2.14E-10	1.23E-09	1.46E-10	1.59E-09	1.95E-10	6.42E-10	4.43E-11	8.81E-10
1541	470123.35	3818216.24	2.27E-09	9.53E-09	8.58E-10	1.27E-08	1.89E-09	7.00E-09	6.16E-10	9.51E-09	2.14E-10	1.23E-09	1.46E-10	1.59E-09	1.95E-10	6.42E-10	4.43E-11	8.81E-10
1542	470471.84	3818213.89	1.43E-09	6.01E-09	5.41E-10	7.98E-09	1.19E-09	4.42E-09	3.89E-10	6.00E-09	1.35E-10	7.74E-10	9.23E-11	1.00E-09	1.23E-10	4.05E-10	2.79E-11	5.56E-10
1543	470480.6	3818217.66	1.42E-09	5.96E-09	5.37E-10	7.91E-09	1.18E-09	4.38E-09	3.85E-10	5.95E-09	1.34E-10	7.67E-10	9.15E-11	9.93E-10	1.22E-10	4.02E-10	2.77E-11	5.51E-10
1544	470489.36	3818221.42	1.41E-09	5.91E-09	5.32E-10	7.85E-09	1.17E-09	4.34E-09	3.82E-10	5.90E-09	1.33E-10	7.61E-10	9.08E-11	9.84E-10	1.21E-10	3.98E-10	2.75E-11	5.47E-10
1545	470498.13	3818225.18	1.39E-09	5.86E-09	5.28E-10	7.78E-09	1.16E-09	4.30E-09	3.79E-10	5.84E-09	1.32E-10	7.54E-10	9.00E-11	9.76E-10	1.20E-10	3.95E-10	2.72E-11	5.42E-10
1546	470506.89	3818228.94	1.38E-09	5.80E-09	5.23E-10	7.71E-09	1.15E-09	4.26E-09	3.75E-10	5.79E-09	1.30E-10	7.47E-10	8.91E-11	9.67E-10	1.19E-10	3.91E-10	2.70E-11	5.37E-10
1547	470515.65	3818232.7	1.37E-09	5.75E-09	5.18E-10	7.63E-09	1.14E-09	4.22E-09	3.72E-10	5.74E-09	1.29E-10	7.40E-10	8.83E-11	9.58E-10	1.18E-10	3.87E-10	2.67E-11	5.32E-10
1548	470524.41	3818236.46	1.36E-09	5.69E-09	5.13E-10	7.56E-09	1.13E-09	4.18E-09	3.68E-10	5.68E-09	1.28E-10	7.33E-10	8.74E-11	9.48E-10	1.16E-10	3.84E-10	2.65E-11	5.27E-10
1549	470533.17	3818240.22	1.34E-09	5.65E-09	5.09E-10	7.50E-09	1.12E-09	4.15E-09	3.65E-10	5.63E-09	1.27E-10	7.27E-10	8.67E-11	9.41E-10	1.15E-10	3.81E-10	2.62E-11	5.22E-10
1550	470541.94	3818243.98	1.33E-09	5.60E-09	5.04E-10	7.44E-09	1.11E-09	4.11E-09	3.62E-10	5.59E-09	1.26E-10	7.21E-10	8.60E-11	9.33E-10	1.14E-10	3.77E-10	2.60E-11	5.18E-10
1551	470550.7	3818247.74	1.32E-09	5.55E-09	4.99E-10	7.37E-09	1.10E-09	4.08E-09	3.59E-10	5.53E-09	1.25E-10	7.14E-10	8.52E-11	9.24E-10	1.13E-10	3.74E-10	2.58E-11	5.13E-10
1552	470559.46	3818251.5	1.31E-09	5.49E-09	4.95E-10	7.30E-09	1.09E-09	4.04E-09	3.55E-10	5.48E-09	1.24E-10	7.07E-10	8.44E-11	9.15E-10	1.12E-10	3.70E-10	2.55E-11	5.08E-10
1553	470568.22	3818255.26	1.30E-09	5.44E-09	4.90E-10	7.23E-09	1.08E-09	4.00E-09	3.52E-10	5.43E-09	1.22E-10	7.01E-10	8.36E-11	9.07E-10	1.11E-10	3.67E-10	2.53E-11	5.03E-10
1554	470576.99	3818259.02	1.28E-09	5.39E-09	4.86E-10	7.16E-09	1.07E-09	3.96E-09	3.49E-10	5.38E-09	1.21E-10	6.94E-10	8.28E-11	8.98E-10	1.10E-10	3.64E-10	2.51E-11	4.99E-10
1555	470585.75	3818262.78	1.27E-09	5.34E-09	4.81E-10	7.09E-09	1.06E-09	3.93E-09	3.45E-10	5.33E-09	1.20E-10	6.88E-10	8.20E-11	8.90E-10	1.09E-10	3.60E-10	2.48E-11	4.94E-10
1556	470594.51	3818266.55	1.26E-09	5.29E-09	4.77E-10	7.03E-09	1.05E-09	3.89E-09	3.42E-10	5.28E-09	1.19E-10	6.81E-10	8.13E-11	8.82E-10	1.08E-10	3.57E-10	2.46E-11	4.90E-10
1557	470603.27	3818270.31	1.25E-09	5.24E-09	4.72E-10	6.96E-09	1.04E-09	3.85E-09	3.39E-10	5.23E-09	1.18E-10	6.75E-10	8.05E-11	8.73E-10	1.07E-10	3.53E-10	2.44E-11	4.85E-10
1558	470612.03	3818274.07	1.24E-09	5.19E-09	4.67E-10	6.89E-09	1.03E-09	3.81E-09	3.35E-10	5.18E-09	1.17E-10	6.68E-10	7.97E-11	8.64E-10	1.06E-10	3.50E-10	2.41E-11	4.80E-10
1559	470620.8	3818277.83	1.22E-09	5.14E-09	4.63E-10	6.83E-09	1.02E-09	3.78E-09	3.32E-10	5.13E-09	1.16E-10	6.62E-10	7.89E-11	8.56E-10	1.05E-10	3.46E-10	2.39E-11	4.75E-10
1560	470629.56	3818281.59	1.21E-09	5.09E-09	4.58E-10	6.76E-09	1.01E-09	3.74E-09	3.29E-10	5.08E-09	1.14E-10	6.55E-10	7.82E-11	8.48E-10	1.04E-10	3.43E-10	2.37E-11	4.71E-10
1561	470638.32	3818285.35	1.20E-09	5.04E-09	4.54E-10	6.69E-09	1.00E-09	3.70E-09	3.26E-10	5.03E-09	1.13E-10	6.49E-10	7.74E-11	8.39E-10	1.03E-10	3.40E-10	2.34E-11	4.66E-10
1562	470647.08	3818289.11	1.19E-09	4.99E-09	4.49E-10	6.63E-09	9.90E-10	3.67E-09	3.23E-10	4.98E-09	1.12E-10	6.42E-10	7.66E-11	8.31E-10	1.02E-10	3.36E-10	2.32E-11	4.62E-10
1563	470655.84	3818292.87	1.18E-09	4.94E-09	4.45E-10	6.56E-09	9.80E-10	3.63E-09	3.19E-10	4.93E-09	1.11E-10	6.36E-10	7.59E-11	8.23E-10	1.01E-10	3.33E-10	2.30E-11	4.57E-10
1564	470664.61	3818296.63	1.17E-09	4.89E-09	4.41E-10	6.50E-09	9.70E-10	3.59E-09	3.16E-10	4.88E-09	1.10E-10	6.30E-10	7.51E-11	8.15E-10	1.00E-10	3.30E-10	2.27E-11	4.53E-10
1565	470673.37	3818300.39	1.15E-09	4.84E-09	4.36E-10	6.43E-09	9.61E-10	3.56E-09	3.13E-10	4.83E-09	1.09E-10	6.24E-10	7.44E-11	8.07E-10	9.90E-11	3.26E-10	2.25E-11	4.48E-10
1566	470682.13	3818304.15	1.14E-09	4.79E-09	4.32E-10	6.36E-09	9.50E-10	3.52E-09	3.10E-10	4.78E-09	1.08E-10	6.17E-10	7.36E-11	7.98E-10	9.80E-11	3.23E-10	2.23E-11	4.43E-10
1567	470690.89	3818307.91	1.13E-09	4.74E-09	4.27E-10	6.30E-09	9.41E-10	3.48E-09	3.07E-10	4.73E-09	1.07E-10	6.11E-10	7.28E-11	7.90E-10	9.69E-11	3.20E-10	2.20E-11	4.39E-10
1568	470699.65	3818311.67	1.12E-09	4.69E-09	4.23E-10	6.23E-09	9.31E-10	3.45E-09	3.03E-10	4.68E-09	1.06E-10	6.04E-10	7.21E-11	7.82E-10	9.60E-11	3.16E-10	2.18E-11	4.34E-10
1569	470708.42	3818315.44	1.11E-09	4.64E-09	4.18E-10	6.17E-09	9.21E-10	3.41E-09	3.00E-10	4.63E-09	1.04E-10	5.98E-10	7.13E-11	7.73E-10	9.49E-11	3.13E-10	2.16E-11	4.29E-10
1570	470717.18	3818319.2	1.09E-09	4.59E-09	4.14E-10	6.10E-09	9.11E-10	3.37E-09	2.97E-10	4.58E-09	1.03E-10	5.91E-10	7.05E-11	7.65E-10	9.39E-11	3.10E-10	2.13E-11	4.25E-10
1571	470725.94	3818322.96	1.08E-09	4.54E-09	4.09E-10	6.03E-09	9.01E-10	3.34E-09	2.94E-10	4.53E-09	1.02E-10	5.85E-10	6.98E-11	7.57E-10	9.29E-11	3.06E-10	2.11E-11	4.20E-10
1572	470734.7	3818326.72	1.07E-09	4.49E-09	4.05E-10	5.97E-09	8.91E-10	3.30E-09	2.90E-10	4.48E-09	1.01E-10	5.78E-10	6.90E-11	7.48E-10	9.18E-11	3.03E-10	2.09E-11	4.15E-10
1573	470743.46	3818330.48	1.06E-09	4.44E-09	4.00E-10	5.90E-09	8.81E-10	3.26E-09	2.87E-10	4.43E-09	9.99E-11	5.72E-10	6.82E-11	7.40E-10	9.08E-11	2.99E-10	2.06E-11	4.11E-10
1574	470752.23	3818334.24	1.05E-09	4.39E-09	3.96E-10	5.84E-09	8.72E-10	3.23E-09	2.84E-10	4.38E-09	9.88E-11	5.66E-10	6.75E-11	7.32E-10	8.98E-11	2.96E-10	2.04E-11	4.06E-10
1575	470760.99	3818338	1.03E-09	4.34E-09	3.91E-10	5.77E-09	8.61E-10	3.19E-09	2.81E-10	4.33E-09	9.76E-11	5.59E-10	6.67E-11	7.23E-10	8.88E-11	2.93E-10	2.02E-11	4.02E-10
1576	470769.75	3818341.76	1.02E-09	4.29E-09	3.87E-10	5.70E-09	8.52E-10	3.15E-09	2.78E-10	4.28E-09	9.65E-11	5.53E-10	6.59E-11	7.15E-10	8.78E-11	2.89E-10	1.99E-11	3.97E-10
1577	470778.51	3818345.52	1.01E-09	4.24E-09	3.82E-10	5.64E-09	8.42E-10	3.12E-09	2.74E-10	4.23E-09	9.54E-11	5.46E-10	6.52E-11	7.07E-10	8.68E-11	2.86E-10	1.97E-11	3.93E-10

1578	470787.28	3818349.28	9.98E-10	4.19E-09	3.78E-10	5.57E-09	8.32E-10	3.08E-09	2.71E-10	4.18E-09	9.43E-11	5.40E-10	6.44E-11	6.98E-10	8.57E-11	2.83E-10	1.95E-11	3.88E-10
1579	470796.04	3818353.04	9.87E-10	4.14E-09	3.73E-10	5.50E-09	8.22E-10	3.04E-09	2.68E-10	4.13E-09	9.32E-11	5.33E-10	6.36E-11	6.90E-10	8.47E-11	2.79E-10	1.93E-11	3.83E-10
1580	470804.8	3818356.8	9.75E-10	4.09E-09	3.69E-10	5.44E-09	8.12E-10	3.01E-09	2.65E-10	4.09E-09	9.21E-11	5.27E-10	6.29E-11	6.82E-10	8.37E-11	2.76E-10	1.90E-11	3.79E-10
1581	470813.56	3818360.56	9.63E-10	4.04E-09	3.64E-10	5.37E-09	8.02E-10	2.97E-09	2.61E-10	4.03E-09	9.09E-11	5.20E-10	6.21E-11	6.73E-10	8.26E-11	2.72E-10	1.88E-11	3.74E-10
1582	470822.32	3818364.33	9.51E-10	3.99E-09	3.60E-10	5.30E-09	7.92E-10	2.93E-09	2.58E-10	3.98E-09	8.98E-11	5.14E-10	6.13E-11	6.65E-10	8.16E-11	2.69E-10	1.86E-11	3.69E-10
1583	470831.09	3818368.09	9.39E-10	3.94E-09	3.55E-10	5.24E-09	7.82E-10	2.90E-09	2.55E-10	3.94E-09	8.87E-11	5.08E-10	6.06E-11	6.57E-10	8.06E-11	2.66E-10	1.83E-11	3.65E-10
1584	470839.85	3818371.85	9.28E-10	3.90E-09	3.51E-10	5.18E-09	7.73E-10	2.86E-09	2.52E-10	3.89E-09	8.77E-11	5.02E-10	5.99E-11	6.49E-10	7.97E-11	2.63E-10	1.81E-11	3.61E-10
1585	470848.61	3818375.61	9.17E-10	3.85E-09	3.47E-10	5.11E-09	7.64E-10	2.83E-09	2.49E-10	3.84E-09	8.66E-11	4.96E-10	5.91E-11	6.41E-10	7.87E-11	2.59E-10	1.79E-11	3.56E-10
1586	470857.37	3818379.37	9.06E-10	3.80E-09	3.43E-10	5.05E-09	7.54E-10	2.79E-09	2.46E-10	3.79E-09	8.55E-11	4.90E-10	5.84E-11	6.34E-10	7.77E-11	2.56E-10	1.77E-11	3.52E-10
1587	470866.13	3818383.13	8.95E-10	3.76E-09	3.38E-10	4.99E-09	7.45E-10	2.76E-09	2.43E-10	3.75E-09	8.45E-11	4.84E-10	5.77E-11	6.26E-10	7.68E-11	2.53E-10	1.75E-11	3.48E-10
1588	470874.9	3818386.89	8.84E-10	3.71E-09	3.34E-10	4.93E-09	7.36E-10	2.73E-09	2.40E-10	3.70E-09	8.34E-11	4.78E-10	5.70E-11	6.18E-10	7.59E-11	2.50E-10	1.72E-11	3.43E-10
1589	470883.66	3818390.65	8.73E-10	3.67E-09	3.30E-10	4.87E-09	7.27E-10	2.70E-09	2.37E-10	3.66E-09	8.25E-11	4.72E-10	5.63E-11	6.11E-10	7.50E-11	2.47E-10	1.70E-11	3.39E-10
1590	470892.42	3818394.41	8.63E-10	3.62E-09	3.26E-10	4.81E-09	7.19E-10	2.66E-09	2.34E-10	3.62E-09	8.15E-11	4.67E-10	5.57E-11	6.04E-10	7.41E-11	2.44E-10	1.68E-11	3.35E-10
1591	470901.18	3818398.17	8.54E-10	3.58E-09	3.23E-10	4.76E-09	7.11E-10	2.63E-09	2.32E-10	3.58E-09	8.06E-11	4.61E-10	5.51E-11	5.97E-10	7.33E-11	2.42E-10	1.67E-11	3.32E-10
1592	470909.94	3818401.93	8.44E-10	3.54E-09	3.19E-10	4.71E-09	7.03E-10	2.60E-09	2.29E-10	3.54E-09	7.97E-11	4.56E-10	5.44E-11	5.90E-10	7.24E-11	2.39E-10	1.65E-11	3.28E-10
1593	470918.71	3818405.69	8.34E-10	3.50E-09	3.16E-10	4.65E-09	6.95E-10	2.57E-09	2.26E-10	3.50E-09	7.88E-11	4.51E-10	5.38E-11	5.84E-10	7.16E-11	2.36E-10	1.63E-11	3.24E-10
1594	470927.47	3818409.45	8.25E-10	3.47E-09	3.12E-10	4.60E-09	6.87E-10	2.55E-09	2.24E-10	3.46E-09	7.79E-11	4.46E-10	5.32E-11	5.77E-10	7.09E-11	2.34E-10	1.61E-11	3.21E-10
1595	470936.23	3818413.22	8.16E-10	3.43E-09	3.09E-10	4.55E-09	6.80E-10	2.52E-09	2.22E-10	3.42E-09	7.71E-11	4.41E-10	5.27E-11	5.71E-10	7.01E-11	2.31E-10	1.59E-11	3.17E-10
1596	470971.28	3818428.26	7.85E-10	3.30E-09	2.97E-10	4.38E-09	6.54E-10	2.42E-09	2.13E-10	3.29E-09	7.41E-11	4.24E-10	5.06E-11	5.49E-10	6.74E-11	2.22E-10	1.53E-11	3.05E-10
1597	470980.04	3818432.02	7.78E-10	3.27E-09	2.94E-10	4.34E-09	6.48E-10	2.40E-09	2.11E-10	3.26E-09	7.35E-11	4.21E-10	5.02E-11	5.44E-10	6.68E-11	2.20E-10	1.52E-11	3.02E-10
1598	470988.8	3818435.78	7.71E-10	3.24E-09	2.92E-10	4.30E-09	6.42E-10	2.38E-09	2.09E-10	3.23E-09	7.28E-11	4.17E-10	4.97E-11	5.39E-10	6.62E-11	2.18E-10	1.50E-11	3.00E-10
1599	470997.57	3818439.54	7.65E-10	3.21E-09	2.89E-10	4.27E-09	6.37E-10	2.36E-09	2.08E-10	3.21E-09	7.22E-11	4.14E-10	4.93E-11	5.35E-10	6.57E-11	2.17E-10	1.49E-11	2.97E-10
1600	471006.33	3818443.3	7.60E-10	3.19E-09	2.87E-10	4.24E-09	6.33E-10	2.34E-09	2.06E-10	3.18E-09	7.17E-11	4.11E-10	4.90E-11	5.31E-10	6.52E-11	2.15E-10	1.48E-11	2.95E-10
1601	471015.09	3818447.06	7.54E-10	3.17E-09	2.85E-10	4.21E-09	6.28E-10	2.33E-09	2.05E-10	3.16E-09	7.12E-11	4.08E-10	4.86E-11	5.27E-10	6.47E-11	2.13E-10	1.47E-11	2.93E-10
1602	471023.85	3818450.82	7.49E-10	3.14E-09	2.83E-10	4.18E-09	6.23E-10	2.31E-09	2.03E-10	3.14E-09	7.07E-11	4.05E-10	4.83E-11	5.24E-10	6.43E-11	2.12E-10	1.46E-11	2.91E-10
1603	471032.61	3818454.58	7.44E-10	3.12E-09	2.81E-10	4.15E-09	6.19E-10	2.30E-09	2.02E-10	3.12E-09	7.02E-11	4.02E-10	4.80E-11	5.20E-10	6.38E-11	2.11E-10	1.45E-11	2.89E-10
1604	471041.38	3818458.34	7.40E-10	3.11E-09	2.80E-10	4.13E-09	6.16E-10	2.28E-09	2.01E-10	3.10E-09	6.98E-11	4.00E-10	4.77E-11	5.17E-10	6.35E-11	2.09E-10	1.44E-11	2.87E-10
1605	471050.14	3818462.11	7.36E-10	3.09E-09	2.78E-10	4.10E-09	6.13E-10	2.27E-09	2.00E-10	3.08E-09	6.95E-11	3.98E-10	4.74E-11	5.15E-10	6.31E-11	2.08E-10	1.44E-11	2.86E-10
1606	471058.9	3818465.87	7.31E-10	3.07E-09	2.77E-10	4.08E-09	6.09E-10	2.26E-09	1.99E-10	3.06E-09	6.91E-11	3.95E-10	4.72E-11	5.12E-10	6.28E-11	2.07E-10	1.43E-11	2.84E-10
1607	471071.22	3818478.47	7.35E-10	3.09E-09	2.78E-10	4.10E-09	6.12E-10	2.27E-09	1.99E-10	3.08E-09	6.94E-11	3.97E-10	4.74E-11	5.14E-10	6.31E-11	2.08E-10	1.43E-11	2.85E-10
1608	471074.78	3818487.32	7.42E-10	3.12E-09	2.81E-10	4.14E-09	6.18E-10	2.29E-09	2.02E-10	3.11E-09	7.01E-11	4.01E-10	4.79E-11	5.19E-10	6.37E-11	2.10E-10	1.45E-11	2.88E-10
1609	471078.35	3818496.16	7.51E-10	3.15E-09	2.84E-10	4.19E-09	6.25E-10	2.32E-09	2.04E-10	3.15E-09	7.09E-11	4.06E-10	4.84E-11	5.25E-10	6.44E-11	2.12E-10	1.46E-11	2.92E-10
1610	471081.91	3818505.01	7.59E-10	3.19E-09	2.87E-10	4.23E-09	6.32E-10	2.34E-09	2.06E-10	3.18E-09	7.17E-11	4.10E-10	4.89E-11	5.31E-10	6.51E-11	2.15E-10	1.48E-11	2.95E-10
1611	471085.47	3818513.85	7.68E-10	3.22E-09	2.90E-10	4.28E-09	6.39E-10	2.37E-09	2.08E-10	3.22E-09	7.25E-11	4.15E-10	4.95E-11	5.37E-10	6.59E-11	2.17E-10	1.50E-11	2.98E-10
1612	471089.03	3818522.7	7.77E-10	3.26E-09	2.94E-10	4.33E-09	6.47E-10	2.40E-09	2.11E-10	3.25E-09	7.33E-11	4.20E-10	5.01E-11	5.43E-10	6.67E-11	2.20E-10	1.52E-11	3.02E-10
1613	471092.59	3818531.54	7.87E-10	3.30E-09	2.98E-10	4.39E-09	6.55E-10	2.43E-09	2.14E-10	3.30E-09	7.43E-11	4.25E-10	5.08E-11	5.50E-10	6.76E-11	2.23E-10	1.54E-11	3.06E-10
1614	471096.15	3818540.39	7.97E-10	3.35E-09	3.02E-10	4.45E-09	6.64E-10	2.46E-09	2.16E-10	3.34E-09	7.53E-11	4.31E-10	5.14E-11	5.58E-10	6.84E-11	2.26E-10	1.56E-11	3.10E-10
1615	471099.71	3818549.23	8.08E-10	3.39E-09	3.05E-10	4.50E-09	6.73E-10	2.49E-09	2.19E-10	3.38E-09	7.63E-11	4.37E-10	5.21E-11	5.65E-10	6.93E-11	2.29E-10	1.58E-11	3.14E-10
1616	471103.27	3818558.08	8.19E-10	3.44E-09	3.10E-10	4.57E-09	6.82E-10	2.53E-09	2.22E-10	3.43E-09	7.74E-11	4.43E-10	5.28E-11	5.73E-10	7.03E-11	2.32E-10	1.60E-11	3.18E-10
1617	471106.83	3818566.92	8.31E-10	3.49E-09	3.14E-10	4.63E-09	6.92E-10	2.56E-09	2.26E-10	3.48E-09	7.85E-11	4.49E-10	5.36E-11	5.81E-10	7.13E-11	2.35E-10	1.62E-11	3.23E-10
1618	471110.39	3818575.77	8.43E-10	3.54E-09	3.19E-10	4.70E-09	7.02E-10	2.60E-09	2.29E-10	3.53E-09	7.96E-11	4.56E-10	5.44E-11	5.90E-10	7.24E-11	2.39E-10	1.65E-11	3.28E-10
1619	471113.95	3818584.61	8.56E-10	3.59E-09	3.24E-10	4.77E-09	7.13E-10	2.64E-09	2.32E-10	3.59E-09	8.08E-11	4.63E-10	5.52E-11	5.99E-10	7.34E-11	2.42E-10	1.67E-11	3.32E-10
1620	471117.52	3818593.46	8.69E-10	3.65E-09	3.29E-10	4.85E-09	7.24E-10	2.68E-09	2.36E-10	3.64E-09	8.21E-11	4.70E-10	5.61E-11	6.08E-10	7.46E-11	2.46E-10	1.70E-11	3.38E-10
1621	471121.08	3818602.3	8.83E-10	3.71E-09	3.34E-10	4.93E-09	7.36E-10	2.72E-09	2.40E-10	3.70E-09	8.34E-11	4.77E-10	5.70E-11	6.18E-10	7.58E-11	2.50E-10	1.72E-11	3.43E-10
1622	471135.32	3818637.69	9.43E-10	3.96E-09	3.57E-10	5.26E-09	7.86E-10	2.91E-09	2.56E-10	3.95E-09	8.91E-11	5.10E-10	6.08E-11	6.60E-10	8.10E-11	2.67E-10	1.84E-11	3.66E-10
1623	471138.88	3818646.53	9.60E-10	4.03E-09	3.63E-10	5.35E-09	8.00E-10	2.96E-09	2.61E-10	4.02E-09	9.06E-11	5.19E-10	6.19E-11	6.71E-10	8.24E-11	2.72E-10	1.87E-11	3.73E-10
1624	471142.44	3818655.38	9.77E-10	4.10E-09	3.69E-10	5.45E-09	8.14E-10	3.01E-09	2.65E-10	4.09E-09	9.23E-11	5.28E-10	6.30E-11	6.83E-10	8.39E-11	2.77E-10	1.91E-11	3.79E-10
1625	471146	3818664.22	9.94E-10	4.18E-09	3.76E-10	5.55E-09	8.28E-10	3.07E-09	2.70E-10	4.17E-09	9.39E-11	5.37E-10	6.41E-11	6.95E-10	8.53E-11	2.81E-10	1.94E-11	3.86E-10
1626	471149.56	3818673.07	1.01E-09	4.25E-09	3.83E-10	5.64E-09	8.43E-10	3.12E-09	2.75E-10	4.24E-09	9.56E-11	5.47E-10	6.53E-11	7.08E-10	8.69E-11	2.86E-10	1.97E-11	3.93E-10
1627	471153.13	3818681.91	1.03E-09	4.33E-09	3.90E-10	5.75E-09	8.59E-10	3.18E-09	2.80E-10	4.32E-09	9.74E-11	5.57E-10	6.65E-11	7.21E-10	8.85E-11	2.92E-10	2.01E-11	4.01E-10
1628	471156.69	3818690.76	1.05E-09	4.41E-09	3.97E-10	5.86E-09	8.75E-10	3.24E-09	2.85E-10	4.40E-09	9.92E-11	5.68E-10	6.78E-11	7.35E-10	9.02E-11	2.97E-10	2.05E-11	4.08E-10

1629	471160.25	3818699.6	1.07E-09	4.49E-09	4.05E-10	5.97E-09	8.91E-10	3.30E-09	2.90E-10	4.48E-09	1.01E-10	5.78E-10	6.90E-11	7.48E-10	9.18E-11	3.03E-10	2.09E-11	4.15E-10
1630	471163.81	3818708.45	1.09E-09	4.58E-09	4.12E-10	6.08E-09	9.08E-10	3.36E-09	2.96E-10	4.57E-09	1.03E-10	5.89E-10	7.03E-11	7.63E-10	9.36E-11	3.09E-10	2.13E-11	4.23E-10
1631	471167.37	3818717.29	1.11E-09	4.66E-09	4.20E-10	6.20E-09	9.25E-10	3.43E-09	3.02E-10	4.65E-09	1.05E-10	6.00E-10	7.16E-11	7.77E-10	9.54E-11	3.14E-10	2.17E-11	4.31E-10
1632	471170.93	3818726.14	1.13E-09	4.76E-09	4.28E-10	6.32E-09	9.43E-10	3.50E-09	3.07E-10	4.75E-09	1.07E-10	6.12E-10	7.31E-11	7.92E-10	9.72E-11	3.21E-10	2.21E-11	4.40E-10
1633	471174.49	3818734.98	1.15E-09	4.85E-09	4.37E-10	6.44E-09	9.62E-10	3.56E-09	3.13E-10	4.84E-09	1.09E-10	6.24E-10	7.45E-11	8.08E-10	9.91E-11	3.27E-10	2.25E-11	4.49E-10
1634	471178.05	3818743.83	1.18E-09	4.94E-09	4.45E-10	6.57E-09	9.81E-10	3.63E-09	3.20E-10	4.93E-09	1.11E-10	6.36E-10	7.59E-11	8.24E-10	1.01E-10	3.33E-10	2.30E-11	4.57E-10
1635	471181.61	3818752.67	1.20E-09	5.04E-09	4.54E-10	6.70E-09	1.00E-09	3.71E-09	3.26E-10	5.03E-09	1.13E-10	6.49E-10	7.74E-11	8.40E-10	1.03E-10	3.40E-10	2.34E-11	4.66E-10
1636	471185.17	3818761.52	1.22E-09	5.14E-09	4.63E-10	6.83E-09	1.02E-09	3.78E-09	3.32E-10	5.13E-09	1.16E-10	6.62E-10	7.90E-11	8.57E-10	1.05E-10	3.47E-10	2.39E-11	4.76E-10
1637	471188.74	3818770.36	1.25E-09	5.24E-09	4.72E-10	6.96E-09	1.04E-09	3.85E-09	3.39E-10	5.23E-09	1.18E-10	6.75E-10	8.05E-11	8.74E-10	1.07E-10	3.53E-10	2.44E-11	4.85E-10
1638	471192.3	3818779.21	1.27E-09	5.35E-09	4.82E-10	7.11E-09	1.06E-09	3.93E-09	3.46E-10	5.34E-09	1.20E-10	6.89E-10	8.22E-11	8.91E-10	1.09E-10	3.61E-10	2.49E-11	4.95E-10
1639	471195.86	3818788.05	1.30E-09	5.46E-09	4.92E-10	7.25E-09	1.08E-09	4.01E-09	3.53E-10	5.45E-09	1.23E-10	7.03E-10	8.39E-11	9.10E-10	1.12E-10	3.68E-10	2.54E-11	5.05E-10
1640	471199.42	3818796.9	1.33E-09	5.57E-09	5.02E-10	7.40E-09	1.10E-09	4.09E-09	3.60E-10	5.56E-09	1.25E-10	7.17E-10	8.55E-11	9.28E-10	1.14E-10	3.75E-10	2.59E-11	5.15E-10
1641	471202.98	3818805.74	1.35E-09	5.68E-09	5.12E-10	7.55E-09	1.13E-09	4.18E-09	3.67E-10	5.67E-09	1.28E-10	7.31E-10	8.73E-11	9.46E-10	1.16E-10	3.83E-10	2.64E-11	5.26E-10
1642	471206.54	3818814.59	1.38E-09	5.80E-09	5.22E-10	7.70E-09	1.15E-09	4.26E-09	3.75E-10	5.78E-09	1.30E-10	7.46E-10	8.90E-11	9.66E-10	1.19E-10	3.91E-10	2.69E-11	5.36E-10
1643	471210.1	3818823.43	1.41E-09	5.92E-09	5.33E-10	7.86E-09	1.17E-09	4.35E-09	3.82E-10	5.90E-09	1.33E-10	7.61E-10	9.09E-11	9.85E-10	1.21E-10	3.99E-10	2.75E-11	5.47E-10
1644	471213.66	3818832.28	1.44E-09	6.04E-09	5.44E-10	8.02E-09	1.20E-09	4.44E-09	3.90E-10	6.02E-09	1.36E-10	7.77E-10	9.27E-11	1.01E-09	1.23E-10	4.07E-10	2.80E-11	5.58E-10
1645	471217.22	3818841.12	1.47E-09	6.16E-09	5.55E-10	8.18E-09	1.22E-09	4.52E-09	3.98E-10	6.14E-09	1.38E-10	7.93E-10	9.46E-11	1.03E-09	1.26E-10	4.15E-10	2.86E-11	5.70E-10
1646	471220.78	3818849.97	1.50E-09	6.28E-09	5.66E-10	8.35E-09	1.25E-09	4.62E-09	4.06E-10	6.27E-09	1.41E-10	8.09E-10	9.65E-11	1.05E-09	1.28E-10	4.24E-10	2.92E-11	5.81E-10
1647	471224.35	3818858.81	1.53E-09	6.41E-09	5.78E-10	8.52E-09	1.27E-09	4.71E-09	4.15E-10	6.40E-09	1.44E-10	8.26E-10	9.85E-11	1.07E-09	1.31E-10	4.32E-10	2.98E-11	5.93E-10
1648	471227.91	3818867.66	1.56E-09	6.55E-09	5.90E-10	8.69E-09	1.30E-09	4.81E-09	4.23E-10	6.53E-09	1.47E-10	8.43E-10	1.01E-10	1.09E-09	1.34E-10	4.41E-10	3.04E-11	6.05E-10
1649	471231.47	3818876.5	1.59E-09	6.68E-09	6.02E-10	8.87E-09	1.33E-09	4.91E-09	4.32E-10	6.67E-09	1.50E-10	8.60E-10	1.03E-10	1.11E-09	1.37E-10	4.50E-10	3.10E-11	6.18E-10
1650	471235.03	3818885.35	1.62E-09	6.82E-09	6.14E-10	9.05E-09	1.35E-09	5.01E-09	4.41E-10	6.80E-09	1.53E-10	8.78E-10	1.05E-10	1.14E-09	1.39E-10	4.59E-10	3.17E-11	6.31E-10
1651	471238.59	3818894.2	1.66E-09	6.96E-09	6.27E-10	9.24E-09	1.38E-09	5.11E-09	4.50E-10	6.94E-09	1.56E-10	8.96E-10	1.07E-10	1.16E-09	1.42E-10	4.69E-10	3.23E-11	6.44E-10
1652	471242.15	3818903.04	1.69E-09	7.10E-09	6.40E-10	9.43E-09	1.41E-09	5.22E-09	4.59E-10	7.09E-09	1.60E-10	9.14E-10	1.09E-10	1.18E-09	1.45E-10	4.79E-10	3.30E-11	6.57E-10
1653	471245.71	3818911.89	1.73E-09	7.25E-09	6.53E-10	9.63E-09	1.44E-09	5.33E-09	4.69E-10	7.23E-09	1.63E-10	9.33E-10	1.11E-10	1.21E-09	1.48E-10	4.89E-10	3.37E-11	6.70E-10
1654	471249.27	3818920.73	1.76E-09	7.40E-09	6.66E-10	9.82E-09	1.47E-09	5.43E-09	4.78E-10	7.38E-09	1.66E-10	9.52E-10	1.14E-10	1.23E-09	1.51E-10	4.99E-10	3.44E-11	6.84E-10
1655	471252.83	3818929.58	1.80E-09	7.55E-09	6.80E-10	1.00E-08	1.50E-09	5.55E-09	4.88E-10	7.53E-09	1.70E-10	9.72E-10	1.16E-10	1.26E-09	1.54E-10	5.09E-10	3.51E-11	6.98E-10
1656	471263.52	3818956.11	1.91E-09	8.02E-09	7.22E-10	1.06E-08	1.59E-09	5.89E-09	5.18E-10	8.00E-09	1.80E-10	1.03E-09	1.23E-10	1.34E-09	1.64E-10	5.40E-10	3.72E-11	7.41E-10
1657	471267.08	3818964.96	1.95E-09	8.18E-09	7.36E-10	1.09E-08	1.62E-09	6.01E-09	5.29E-10	8.16E-09	1.84E-10	1.05E-09	1.26E-10	1.36E-09	1.67E-10	5.51E-10	3.80E-11	7.56E-10
1658	471270.64	3818973.8	1.99E-09	8.34E-09	7.51E-10	1.11E-08	1.65E-09	6.13E-09	5.39E-10	8.32E-09	1.88E-10	1.07E-09	1.28E-10	1.39E-09	1.70E-10	5.62E-10	3.87E-11	7.71E-10
1659	471274.2	3818982.65	2.02E-09	8.50E-09	7.66E-10	1.13E-08	1.69E-09	6.25E-09	5.50E-10	8.48E-09	1.91E-10	1.09E-09	1.31E-10	1.42E-09	1.74E-10	5.73E-10	3.95E-11	7.86E-10
1660	471277.76	3818991.49	2.06E-09	8.67E-09	7.81E-10	1.15E-08	1.72E-09	6.37E-09	5.60E-10	8.65E-09	1.95E-10	1.12E-09	1.33E-10	1.44E-09	1.77E-10	5.84E-10	4.03E-11	8.02E-10
1661	471281.32	3819000.34	2.10E-09	8.83E-09	7.95E-10	1.17E-08	1.75E-09	6.49E-09	5.71E-10	8.81E-09	1.99E-10	1.14E-09	1.36E-10	1.47E-09	1.81E-10	5.95E-10	4.10E-11	8.17E-10
1662	471284.88	3819009.18	2.14E-09	9.00E-09	8.10E-10	1.20E-08	1.78E-09	6.61E-09	5.82E-10	8.98E-09	2.02E-10	1.16E-09	1.38E-10	1.50E-09	1.84E-10	6.07E-10	4.18E-11	8.32E-10
1663	471288.44	3819018.03	2.18E-09	9.16E-09	8.25E-10	1.22E-08	1.82E-09	6.73E-09	5.92E-10	9.14E-09	2.06E-10	1.18E-09	1.41E-10	1.53E-09	1.87E-10	6.18E-10	4.26E-11	8.47E-10
1664	471313.37	3819079.94	2.45E-09	1.03E-08	9.28E-10	1.37E-08	2.04E-09	7.57E-09	6.66E-10	1.03E-08	2.32E-10	1.33E-09	1.58E-10	1.72E-09	2.11E-10	6.95E-10	4.79E-11	9.53E-10
1665	471316.93	3819088.79	2.49E-09	1.05E-08	9.42E-10	1.39E-08	2.08E-09	7.69E-09	6.76E-10	1.04E-08	2.35E-10	1.35E-09	1.61E-10	1.74E-09	2.14E-10	7.05E-10	4.86E-11	9.68E-10
1666	471320.49	3819097.63	2.53E-09	1.06E-08	9.56E-10	1.41E-08	2.11E-09	7.80E-09	6.86E-10	1.06E-08	2.39E-10	1.37E-09	1.63E-10	1.77E-09	2.17E-10	7.15E-10	4.93E-11	9.82E-10
1667	471324.05	3819106.48	2.56E-09	1.08E-08	9.69E-10	1.43E-08	2.14E-09	7.91E-09	6.96E-10	1.07E-08	2.42E-10	1.39E-09	1.65E-10	1.79E-09	2.20E-10	7.26E-10	5.00E-11	9.96E-10
1668	471327.61	3819115.32	2.60E-09	1.09E-08	9.83E-10	1.45E-08	2.16E-09	8.02E-09	7.05E-10	1.09E-08	2.45E-10	1.40E-09	1.68E-10	1.82E-09	2.23E-10	7.35E-10	5.07E-11	1.01E-09
1669	471331.18	3819124.17	2.63E-09	1.11E-08	9.96E-10	1.47E-08	2.19E-09	8.12E-09	7.15E-10	1.10E-08	2.49E-10	1.42E-09	1.70E-10	1.84E-09	2.26E-10	7.45E-10	5.14E-11	1.02E-09
1670	471334.74	3819133.01	2.67E-09	1.12E-08	1.01E-09	1.49E-08	2.22E-09	8.23E-09	7.24E-10	1.12E-08	2.52E-10	1.44E-09	1.72E-10	1.87E-09	2.29E-10	7.55E-10	5.20E-11	1.04E-09
1671	471341.86	3819150.7	2.73E-09	1.15E-08	1.03E-09	1.52E-08	2.27E-09	8.43E-09	7.41E-10	1.14E-08	2.58E-10	1.48E-09	1.76E-10	1.91E-09	2.34E-10	7.73E-10	5.33E-11	1.06E-09
1672	471345.42	3819159.55	2.76E-09	1.16E-08	1.04E-09	1.54E-08	2.30E-09	8.52E-09	7.50E-10	1.16E-08	2.61E-10	1.49E-09	1.78E-10	1.93E-09	2.37E-10	7.82E-10	5.39E-11	1.07E-09
1673	471348.98	3819168.4	2.79E-09	1.17E-08	1.06E-09	1.56E-08	2.32E-09	8.61E-09	7.58E-10	1.17E-08	2.64E-10	1.51E-09	1.80E-10	1.95E-09	2.40E-10	7.90E-10	5.45E-11	1.08E-09
1674	471352.54	3819177.24	2.82E-09	1.18E-08	1.07E-09	1.57E-08	2.35E-09	8.70E-09	7.65E-10	1.18E-08	2.66E-10	1.52E-09	1.82E-10	1.97E-09	2.42E-10	7.98E-10	5.50E-11	1.10E-09
1675	471356.1	3819186.09	2.85E-09	1.20E-08	1.08E-09	1.59E-08	2.37E-09	8.78E-09	7.73E-10	1.19E-08	2.69E-10	1.54E-09	1.84E-10	1.99E-09	2.44E-10	8.06E-10	5.55E-11	1.11E-09
1676	471359.66	3819194.93	2.87E-09	1.21E-08	1.09E-09	1.60E-08	2.39E-09	8.86E-09	7.80E-10	1.20E-08	2.71E-10	1.55E-09	1.85E-10	2.01E-09	2.47E-10	8.13E-10	5.60E-11	1.12E-09
1677	471363.22	3819203.78	2.90E-09	1.22E-08	1.10E-09	1.62E-08	2.41E-09	8.94E-09	7.86E-10	1.21E-08	2.74E-10	1.57E-09	1.87E-10	2.03E-09	2.49E-10	8.20E-10	5.65E-11	1.13E-09
1678	471366.79	3819212.62	2.92E-09	1.23E-08	1.10E-09	1.63E-08	2.43E-09	9.01E-09	7.93E-10	1.22E-08	2.76E-10	1.58E-09	1.88E-10	2.04E-09	2.51E-10	8.26E-10	5.70E-11	1.13E-09
1679	471370.35	3819221.47	2.94E-09	1.24E-08	1.11E-09	1.64E-08	2.45E-09	9.08E-09	7.98E-10	1.23E-08	2.78E-10	1.59E-09	1.90E-10	2.06E-09	2.53E-10	8.33E-10	5.74E-11	1.14E-09

1680	470248.79	3818138	1.80E-09	7.56E-09	6.81E-10	1.00E-08	1.50E-09	5.55E-09	4.89E-10	7.54E-09	1.70E-10	9.73E-10	1.16E-10	1.26E-09	1.54E-10	5.09E-10	3.51E-11	6.99E-10
1681	470239.22	3818137.87	1.82E-09	7.63E-09	6.87E-10	1.01E-08	1.51E-09	5.61E-09	4.93E-10	7.62E-09	1.72E-10	9.83E-10	1.17E-10	1.27E-09	1.56E-10	5.14E-10	3.55E-11	7.06E-10
1682	470229.66	3818137.73	1.83E-09	7.70E-09	6.93E-10	1.02E-08	1.53E-09	5.66E-09	4.98E-10	7.68E-09	1.73E-10	9.91E-10	1.18E-10	1.28E-09	1.57E-10	5.19E-10	3.58E-11	7.12E-10
1683	470220.1	3818137.6	1.85E-09	7.77E-09	6.99E-10	1.03E-08	1.54E-09	5.71E-09	5.02E-10	7.75E-09	1.75E-10	1.00E-09	1.19E-10	1.29E-09	1.59E-10	5.23E-10	3.61E-11	7.18E-10
1684	470210.54	3818137.46	1.86E-09	7.83E-09	7.05E-10	1.04E-08	1.55E-09	5.75E-09	5.06E-10	7.81E-09	1.76E-10	1.01E-09	1.20E-10	1.30E-09	1.60E-10	5.28E-10	3.64E-11	7.24E-10
1685	470200.98	3818137.33	1.88E-09	7.88E-09	7.10E-10	1.05E-08	1.56E-09	5.79E-09	5.10E-10	7.87E-09	1.77E-10	1.01E-09	1.21E-10	1.31E-09	1.61E-10	5.31E-10	3.66E-11	7.29E-10
1686	470191.41	3818137.19	1.89E-09	7.94E-09	7.15E-10	1.05E-08	1.57E-09	5.83E-09	5.13E-10	7.92E-09	1.78E-10	1.02E-09	1.22E-10	1.32E-09	1.62E-10	5.35E-10	3.69E-11	7.34E-10
1687	470181.85	3818137.06	1.90E-09	7.98E-09	7.19E-10	1.06E-08	1.58E-09	5.87E-09	5.16E-10	7.97E-09	1.80E-10	1.03E-09	1.23E-10	1.33E-09	1.63E-10	5.38E-10	3.71E-11	7.38E-10
1688	470172.29	3818136.92	1.91E-09	8.02E-09	7.22E-10	1.07E-08	1.59E-09	5.89E-09	5.19E-10	8.00E-09	1.80E-10	1.03E-09	1.23E-10	1.34E-09	1.64E-10	5.41E-10	3.73E-11	7.42E-10
1689	470162.73	3818136.79	1.92E-09	8.05E-09	7.25E-10	1.07E-08	1.60E-09	5.92E-09	5.21E-10	8.04E-09	1.81E-10	1.04E-09	1.24E-10	1.34E-09	1.65E-10	5.43E-10	3.74E-11	7.45E-10
1690	470153.16	3818136.65	1.92E-09	8.08E-09	7.27E-10	1.07E-08	1.60E-09	5.93E-09	5.22E-10	8.06E-09	1.82E-10	1.04E-09	1.24E-10	1.35E-09	1.65E-10	5.44E-10	3.75E-11	7.47E-10
1691	470143.6	3818136.52	1.93E-09	8.09E-09	7.29E-10	1.07E-08	1.60E-09	5.95E-09	5.23E-10	8.07E-09	1.82E-10	1.04E-09	1.24E-10	1.35E-09	1.65E-10	5.45E-10	3.76E-11	7.48E-10
1692	470134.04	3818136.38	1.93E-09	8.10E-09	7.29E-10	1.08E-08	1.61E-09	5.95E-09	5.23E-10	8.08E-09	1.82E-10	1.04E-09	1.24E-10	1.35E-09	1.66E-10	5.46E-10	3.76E-11	7.49E-10
1693	470124.48	3818136.25	1.93E-09	8.09E-09	7.29E-10	1.07E-08	1.60E-09	5.95E-09	5.23E-10	8.07E-09	1.82E-10	1.04E-09	1.24E-10	1.35E-09	1.65E-10	5.45E-10	3.76E-11	7.48E-10
1694	470445.74	3818122.22	1.30E-09	5.46E-09	4.92E-10	7.26E-09	1.08E-09	4.01E-09	3.53E-10	5.45E-09	1.23E-10	7.03E-10	8.39E-11	9.10E-10	1.12E-10	3.68E-10	2.54E-11	5.05E-10
1695	470454.45	3818125.95	1.29E-09	5.41E-09	4.87E-10	7.19E-09	1.07E-09	3.98E-09	3.50E-10	5.40E-09	1.22E-10	6.97E-10	8.31E-11	9.01E-10	1.11E-10	3.65E-10	2.51E-11	5.00E-10
1696	470463.16	3818129.69	1.28E-09	5.36E-09	4.83E-10	7.12E-09	1.06E-09	3.94E-09	3.46E-10	5.35E-09	1.21E-10	6.90E-10	8.23E-11	8.93E-10	1.10E-10	3.61E-10	2.49E-11	4.96E-10
1697	470471.86	3818133.43	1.26E-09	5.31E-09	4.78E-10	7.05E-09	1.05E-09	3.90E-09	3.43E-10	5.30E-09	1.19E-10	6.83E-10	8.15E-11	8.84E-10	1.08E-10	3.58E-10	2.47E-11	4.91E-10
1698	470480.57	3818137.16	1.25E-09	5.26E-09	4.74E-10	6.99E-09	1.04E-09	3.87E-09	3.40E-10	5.25E-09	1.18E-10	6.77E-10	8.08E-11	8.76E-10	1.08E-10	3.55E-10	2.44E-11	4.87E-10
1699	470489.28	3818140.9	1.24E-09	5.22E-09	4.70E-10	6.93E-09	1.03E-09	3.83E-09	3.37E-10	5.21E-09	1.17E-10	6.72E-10	8.01E-11	8.69E-10	1.07E-10	3.52E-10	2.42E-11	4.83E-10
1700	470497.98	3818144.64	1.23E-09	5.18E-09	4.66E-10	6.88E-09	1.03E-09	3.80E-09	3.35E-10	5.17E-09	1.16E-10	6.67E-10	7.95E-11	8.62E-10	1.06E-10	3.49E-10	2.41E-11	4.79E-10
1701	470506.69	3818148.38	1.22E-09	5.13E-09	4.62E-10	6.81E-09	1.02E-09	3.77E-09	3.32E-10	5.12E-09	1.15E-10	6.60E-10	7.88E-11	8.54E-10	1.05E-10	3.46E-10	2.38E-11	4.74E-10
1702	470515.4	3818152.11	1.21E-09	5.08E-09	4.57E-10	6.75E-09	1.01E-09	3.73E-09	3.28E-10	5.07E-09	1.14E-10	6.54E-10	7.80E-11	8.46E-10	1.04E-10	3.42E-10	2.36E-11	4.70E-10
1703	470524.1	3818155.85	1.20E-09	5.03E-09	4.53E-10	6.69E-09	9.98E-10	3.70E-09	3.25E-10	5.02E-09	1.13E-10	6.48E-10	7.73E-11	8.38E-10	1.03E-10	3.39E-10	2.34E-11	4.66E-10
1704	470532.81	3818159.59	1.19E-09	4.99E-09	4.50E-10	6.63E-09	9.90E-10	3.67E-09	3.23E-10	4.98E-09	1.12E-10	6.43E-10	7.67E-11	8.32E-10	1.02E-10	3.37E-10	2.32E-11	4.62E-10
1705	470541.52	3818163.32	1.18E-09	4.96E-09	4.46E-10	6.58E-09	9.83E-10	3.64E-09	3.20E-10	4.94E-09	1.11E-10	6.38E-10	7.61E-11	8.26E-10	1.01E-10	3.34E-10	2.30E-11	4.58E-10
1706	470550.22	3818167.06	1.17E-09	4.92E-09	4.43E-10	6.54E-09	9.77E-10	3.62E-09	3.18E-10	4.91E-09	1.11E-10	6.34E-10	7.56E-11	8.20E-10	1.01E-10	3.32E-10	2.29E-11	4.55E-10
1707	470558.93	3818170.8	1.16E-09	4.89E-09	4.40E-10	6.49E-09	9.70E-10	3.59E-09	3.16E-10	4.88E-09	1.10E-10	6.29E-10	7.51E-11	8.14E-10	1.00E-10	3.30E-10	2.27E-11	4.52E-10
1708	470567.64	3818174.54	1.15E-09	4.85E-09	4.36E-10	6.44E-09	9.61E-10	3.56E-09	3.13E-10	4.84E-09	1.09E-10	6.24E-10	7.44E-11	8.07E-10	9.91E-11	3.27E-10	2.25E-11	4.48E-10
1709	470576.34	3818178.27	1.14E-09	4.80E-09	4.33E-10	6.38E-09	9.53E-10	3.53E-09	3.10E-10	4.79E-09	1.08E-10	6.18E-10	7.38E-11	8.00E-10	9.82E-11	3.24E-10	2.23E-11	4.44E-10
1710	470585.05	3818182.01	1.13E-09	4.76E-09	4.29E-10	6.33E-09	9.45E-10	3.50E-09	3.08E-10	4.75E-09	1.07E-10	6.13E-10	7.32E-11	7.93E-10	9.74E-11	3.21E-10	2.21E-11	4.41E-10
1711	470593.76	3818185.75	1.12E-09	4.72E-09	4.25E-10	6.27E-09	9.37E-10	3.47E-09	3.05E-10	4.71E-09	1.06E-10	6.08E-10	7.25E-11	7.87E-10	9.65E-11	3.18E-10	2.19E-11	4.37E-10
1712	470602.46	3818189.48	1.11E-09	4.68E-09	4.22E-10	6.22E-09	9.29E-10	3.44E-09	3.03E-10	4.67E-09	1.05E-10	6.03E-10	7.19E-11	7.80E-10	9.57E-11	3.16E-10	2.18E-11	4.33E-10
1713	470611.17	3818193.22	1.11E-09	4.64E-09	4.18E-10	6.17E-09	9.21E-10	3.41E-09	3.00E-10	4.63E-09	1.04E-10	5.98E-10	7.13E-11	7.73E-10	9.49E-11	3.13E-10	2.16E-11	4.29E-10
1714	470619.88	3818196.96	1.10E-09	4.60E-09	4.14E-10	6.11E-09	9.13E-10	3.38E-09	2.97E-10	4.59E-09	1.03E-10	5.92E-10	7.07E-11	7.66E-10	9.41E-11	3.10E-10	2.14E-11	4.26E-10
1715	470628.58	3818200.69	1.09E-09	4.56E-09	4.11E-10	6.06E-09	9.05E-10	3.35E-09	2.95E-10	4.55E-09	1.03E-10	5.87E-10	7.01E-11	7.60E-10	9.32E-11	3.07E-10	2.12E-11	4.22E-10
1716	470637.29	3818204.43	1.08E-09	4.52E-09	4.07E-10	6.00E-09	8.97E-10	3.32E-09	2.92E-10	4.51E-09	1.02E-10	5.82E-10	6.94E-11	7.53E-10	9.24E-11	3.05E-10	2.10E-11	4.18E-10
1717	470646	3818208.17	1.07E-09	4.48E-09	4.03E-10	5.95E-09	8.89E-10	3.29E-09	2.90E-10	4.47E-09	1.01E-10	5.77E-10	6.88E-11	7.46E-10	9.16E-11	3.02E-10	2.08E-11	4.14E-10
1718	470654.7	3818211.91	1.06E-09	4.44E-09	4.00E-10	5.90E-09	8.81E-10	3.26E-09	2.87E-10	4.43E-09	9.98E-11	5.72E-10	6.82E-11	7.40E-10	9.08E-11	2.99E-10	2.06E-11	4.11E-10
1719	470663.41	3818215.64	1.05E-09	4.40E-09	3.96E-10	5.84E-09	8.73E-10	3.23E-09	2.84E-10	4.39E-09	9.89E-11	5.66E-10	6.76E-11	7.33E-10	8.99E-11	2.97E-10	2.04E-11	4.07E-10
1720	470672.12	3818219.38	1.04E-09	4.36E-09	3.93E-10	5.79E-09	8.65E-10	3.21E-09	2.82E-10	4.35E-09	9.81E-11	5.62E-10	6.70E-11	7.27E-10	8.92E-11	2.94E-10	2.03E-11	4.03E-10
1721	470680.82	3818223.12	1.03E-09	4.32E-09	3.89E-10	5.74E-09	8.57E-10	3.18E-09	2.79E-10	4.31E-09	9.72E-11	5.56E-10	6.64E-11	7.20E-10	8.83E-11	2.91E-10	2.01E-11	4.00E-10
1722	470689.53	3818226.85	1.02E-09	4.28E-09	3.86E-10	5.69E-09	8.49E-10	3.15E-09	2.77E-10	4.27E-09	9.63E-11	5.51E-10	6.58E-11	7.13E-10	8.75E-11	2.89E-10	1.99E-11	3.96E-10
1723	470698.24	3818230.59	1.01E-09	4.24E-09	3.82E-10	5.63E-09	8.41E-10	3.12E-09	2.74E-10	4.23E-09	9.54E-11	5.46E-10	6.51E-11	7.06E-10	8.67E-11	2.86E-10	1.97E-11	3.92E-10
1724	470706.94	3818234.33	1.00E-09	4.20E-09	3.79E-10	5.58E-09	8.34E-10	3.09E-09	2.72E-10	4.19E-09	9.45E-11	5.41E-10	6.46E-11	7.00E-10	8.59E-11	2.83E-10	1.95E-11	3.89E-10
1725	470715.65	3818238.06	9.91E-10	4.16E-09	3.75E-10	5.53E-09	8.26E-10	3.06E-09	2.69E-10	4.15E-09	9.36E-11	5.36E-10	6.39E-11	6.94E-10	8.51E-11	2.81E-10	1.93E-11	3.85E-10
1726	470724.36	3818241.8	9.82E-10	4.12E-09	3.71E-10	5.48E-09	8.18E-10	3.03E-09	2.67E-10	4.11E-09	9.27E-11	5.31E-10	6.33E-11	6.87E-10	8.43E-11	2.78E-10	1.92E-11	3.81E-10
1727	470733.07	3818245.54	9.72E-10	4.08E-09	3.68E-10	5.42E-09	8.10E-10	3.00E-09	2.64E-10	4.07E-09	9.18E-11	5.26E-10	6.27E-11	6.80E-10	8.35E-11	2.75E-10	1.90E-11	3.78E-10
1728	470741.77	3818249.28	9.63E-10	4.04E-09	3.64E-10	5.37E-09	8.02E-10	2.97E-09	2.61E-10	4.03E-09	9.09E-11	5.20E-10	6.21E-11	6.73E-10	8.26E-11	2.72E-10	1.88E-11	3.74E-10
1729	470750.48	3818253.01	9.53E-10	4.00E-09	3.60E-10	5.32E-09	7.94E-10	2.94E-09	2.59E-10	3.99E-09	9.00E-11	5.15E-10	6.15E-11	6.67E-10	8.18E-11	2.70E-10	1.86E-11	3.70E-10
1730	470759.19	3818256.75	9.43E-10	3.96E-09	3.57E-10	5.26E-09	7.86E-10	2.91E-09	2.56E-10	3.95E-09	8.91E-11	5.10E-10	6.08E-11	6.60E-10	8.10E-11	2.67E-10	1.84E-11	3.66E-10

1731	470767.89	3818260.49	9.34E-10	3.92E-09	3.53E-10	5.21E-09	7.78E-10	2.88E-09	2.53E-10	3.91E-09	8.82E-11	5.05E-10	6.02E-11	6.53E-10	8.02E-11	2.64E-10	1.82E-11	3.63E-10
1732	470776.6	3818264.22	9.24E-10	3.88E-09	3.50E-10	5.15E-09	7.70E-10	2.85E-09	2.51E-10	3.87E-09	8.73E-11	5.00E-10	5.96E-11	6.46E-10	7.93E-11	2.62E-10	1.80E-11	3.59E-10
1733	470785.31	3818267.96	9.14E-10	3.84E-09	3.46E-10	5.10E-09	7.61E-10	2.82E-09	2.48E-10	3.83E-09	8.63E-11	4.94E-10	5.89E-11	6.39E-10	7.85E-11	2.59E-10	1.78E-11	3.55E-10
1734	470794.01	3818271.7	9.04E-10	3.80E-09	3.42E-10	5.04E-09	7.53E-10	2.79E-09	2.45E-10	3.79E-09	8.54E-11	4.89E-10	5.83E-11	6.33E-10	7.76E-11	2.56E-10	1.76E-11	3.51E-10
1735	470802.72	3818275.43	8.95E-10	3.76E-09	3.38E-10	4.99E-09	7.45E-10	2.76E-09	2.43E-10	3.75E-09	8.45E-11	4.84E-10	5.77E-11	6.26E-10	7.68E-11	2.53E-10	1.75E-11	3.48E-10
1736	470811.43	3818279.17	8.85E-10	3.72E-09	3.35E-10	4.94E-09	7.37E-10	2.73E-09	2.40E-10	3.71E-09	8.36E-11	4.78E-10	5.71E-11	6.19E-10	7.60E-11	2.51E-10	1.73E-11	3.44E-10
1737	470820.13	3818282.91	8.75E-10	3.68E-09	3.31E-10	4.88E-09	7.29E-10	2.70E-09	2.38E-10	3.67E-09	8.27E-11	4.73E-10	5.65E-11	6.12E-10	7.52E-11	2.48E-10	1.71E-11	3.40E-10
1738	470828.84	3818286.65	8.65E-10	3.63E-09	3.27E-10	4.83E-09	7.21E-10	2.67E-09	2.35E-10	3.63E-09	8.17E-11	4.68E-10	5.58E-11	6.05E-10	7.43E-11	2.45E-10	1.69E-11	3.36E-10
1739	470837.55	3818290.38	8.56E-10	3.59E-09	3.24E-10	4.77E-09	7.13E-10	2.64E-09	2.32E-10	3.59E-09	8.08E-11	4.63E-10	5.52E-11	5.99E-10	7.34E-11	2.42E-10	1.67E-11	3.32E-10
1740	470846.25	3818294.12	8.46E-10	3.55E-09	3.20E-10	4.72E-09	7.05E-10	2.61E-09	2.30E-10	3.54E-09	7.99E-11	4.57E-10	5.46E-11	5.92E-10	7.26E-11	2.39E-10	1.65E-11	3.29E-10
1741	470854.96	3818297.86	8.37E-10	3.52E-09	3.17E-10	4.67E-09	6.97E-10	2.58E-09	2.27E-10	3.51E-09	7.90E-11	4.53E-10	5.40E-11	5.86E-10	7.19E-11	2.37E-10	1.63E-11	3.25E-10
1742	470863.67	3818301.59	8.27E-10	3.47E-09	3.13E-10	4.62E-09	6.89E-10	2.55E-09	2.25E-10	3.47E-09	7.81E-11	4.47E-10	5.34E-11	5.79E-10	7.10E-11	2.34E-10	1.61E-11	3.21E-10
1743	470872.37	3818305.33	8.18E-10	3.43E-09	3.09E-10	4.56E-09	6.81E-10	2.52E-09	2.22E-10	3.43E-09	7.72E-11	4.42E-10	5.28E-11	5.72E-10	7.02E-11	2.31E-10	1.60E-11	3.18E-10
1744	470881.08	3818309.07	8.08E-10	3.39E-09	3.06E-10	4.51E-09	6.73E-10	2.49E-09	2.19E-10	3.39E-09	7.63E-11	4.37E-10	5.21E-11	5.65E-10	6.94E-11	2.29E-10	1.58E-11	3.14E-10
1745	470889.79	3818312.8	7.99E-10	3.35E-09	3.02E-10	4.45E-09	6.65E-10	2.46E-09	2.17E-10	3.35E-09	7.54E-11	4.32E-10	5.15E-11	5.59E-10	6.86E-11	2.26E-10	1.56E-11	3.10E-10
1746	470898.49	3818316.54	7.90E-10	3.32E-09	2.99E-10	4.40E-09	6.58E-10	2.44E-09	2.14E-10	3.31E-09	7.46E-11	4.27E-10	5.09E-11	5.52E-10	6.78E-11	2.24E-10	1.54E-11	3.07E-10
1747	470907.2	3818320.28	7.81E-10	3.28E-09	2.95E-10	4.35E-09	6.50E-10	2.41E-09	2.12E-10	3.27E-09	7.37E-11	4.22E-10	5.04E-11	5.46E-10	6.70E-11	2.21E-10	1.52E-11	3.03E-10
1748	470915.91	3818324.02	7.72E-10	3.24E-09	2.92E-10	4.31E-09	6.43E-10	2.38E-09	2.10E-10	3.23E-09	7.29E-11	4.17E-10	4.98E-11	5.40E-10	6.63E-11	2.18E-10	1.51E-11	3.00E-10
1749	470924.61	3818327.75	7.63E-10	3.20E-09	2.89E-10	4.26E-09	6.35E-10	2.35E-09	2.07E-10	3.20E-09	7.20E-11	4.12E-10	4.92E-11	5.34E-10	6.55E-11	2.16E-10	1.49E-11	2.96E-10
1750	470933.32	3818331.49	7.54E-10	3.17E-09	2.85E-10	4.21E-09	6.28E-10	2.33E-09	2.05E-10	3.16E-09	7.12E-11	4.08E-10	4.86E-11	5.27E-10	6.47E-11	2.13E-10	1.47E-11	2.93E-10
1751	470942.03	3818335.23	7.46E-10	3.13E-09	2.82E-10	4.16E-09	6.21E-10	2.30E-09	2.02E-10	3.13E-09	7.04E-11	4.03E-10	4.81E-11	5.22E-10	6.40E-11	2.11E-10	1.46E-11	2.90E-10
1752	470950.73	3818338.96	7.38E-10	3.10E-09	2.79E-10	4.11E-09	6.14E-10	2.28E-09	2.00E-10	3.09E-09	6.96E-11	3.99E-10	4.76E-11	5.16E-10	6.33E-11	2.09E-10	1.44E-11	2.86E-10
1753	470959.44	3818342.7	7.30E-10	3.07E-09	2.76E-10	4.07E-09	6.08E-10	2.25E-09	1.98E-10	3.06E-09	6.89E-11	3.95E-10	4.71E-11	5.11E-10	6.27E-11	2.07E-10	1.42E-11	2.84E-10
1754	470968.15	3818346.44	7.22E-10	3.03E-09	2.73E-10	4.03E-09	6.01E-10	2.23E-09	1.96E-10	3.02E-09	6.82E-11	3.90E-10	4.66E-11	5.05E-10	6.20E-11	2.04E-10	1.41E-11	2.80E-10
1755	470976.85	3818350.17	7.15E-10	3.00E-09	2.70E-10	3.99E-09	5.95E-10	2.21E-09	1.94E-10	3.00E-09	6.75E-11	3.86E-10	4.61E-11	5.00E-10	6.14E-11	2.02E-10	1.39E-11	2.78E-10
1756	470985.56	3818353.91	7.07E-10	2.97E-09	2.68E-10	3.95E-09	5.89E-10	2.18E-09	1.92E-10	2.96E-09	6.68E-11	3.82E-10	4.56E-11	4.95E-10	6.07E-11	2.00E-10	1.38E-11	2.75E-10
1757	470994.27	3818357.65	7.01E-10	2.94E-09	2.65E-10	3.91E-09	5.83E-10	2.16E-09	1.90E-10	2.94E-09	6.62E-11	3.79E-10	4.52E-11	4.90E-10	6.01E-11	1.98E-10	1.37E-11	2.72E-10
1758	471029.09	3818372.6	6.74E-10	2.83E-09	2.55E-10	3.76E-09	5.62E-10	2.08E-09	1.83E-10	2.83E-09	6.37E-11	3.65E-10	4.35E-11	4.72E-10	5.79E-11	1.91E-10	1.32E-11	2.62E-10
1759	471037.8	3818376.33	6.69E-10	2.81E-09	2.53E-10	3.73E-09	5.57E-10	2.06E-09	1.82E-10	2.80E-09	6.32E-11	3.62E-10	4.31E-11	4.68E-10	5.74E-11	1.89E-10	1.31E-11	2.60E-10
1760	471046.51	3818380.07	6.63E-10	2.79E-09	2.51E-10	3.70E-09	5.53E-10	2.05E-09	1.80E-10	2.78E-09	6.27E-11	3.59E-10	4.28E-11	4.64E-10	5.70E-11	1.88E-10	1.29E-11	2.58E-10
1761	471055.21	3818383.81	6.59E-10	2.77E-09	2.49E-10	3.67E-09	5.49E-10	2.03E-09	1.79E-10	2.76E-09	6.22E-11	3.56E-10	4.25E-11	4.61E-10	5.65E-11	1.86E-10	1.29E-11	2.56E-10
1762	471063.92	3818387.55	6.54E-10	2.75E-09	2.47E-10	3.65E-09	5.45E-10	2.02E-09	1.77E-10	2.74E-09	6.17E-11	3.53E-10	4.22E-11	4.57E-10	5.61E-11	1.85E-10	1.28E-11	2.54E-10
1763	471072.63	3818391.28	6.49E-10	2.73E-09	2.45E-10	3.62E-09	5.41E-10	2.00E-09	1.76E-10	2.72E-09	6.13E-11	3.51E-10	4.19E-11	4.54E-10	5.57E-11	1.84E-10	1.27E-11	2.52E-10
1764	471081.34	3818395.02	6.45E-10	2.71E-09	2.44E-10	3.60E-09	5.37E-10	1.99E-09	1.75E-10	2.70E-09	6.09E-11	3.49E-10	4.16E-11	4.51E-10	5.54E-11	1.83E-10	1.26E-11	2.51E-10
1765	471090.04	3818398.76	6.42E-10	2.69E-09	2.43E-10	3.58E-09	5.34E-10	1.98E-09	1.74E-10	2.69E-09	6.06E-11	3.47E-10	4.14E-11	4.49E-10	5.51E-11	1.82E-10	1.25E-11	2.49E-10
1766	471098.75	3818402.49	6.38E-10	2.68E-09	2.41E-10	3.56E-09	5.31E-10	1.97E-09	1.73E-10	2.67E-09	6.03E-11	3.45E-10	4.12E-11	4.46E-10	5.48E-11	1.81E-10	1.25E-11	2.48E-10
1767	471107.46	3818406.23	6.35E-10	2.67E-09	2.40E-10	3.54E-09	5.29E-10	1.96E-09	1.72E-10	2.66E-09	5.99E-11	3.43E-10	4.09E-11	4.44E-10	5.45E-11	1.80E-10	1.24E-11	2.47E-10
1768	471116.16	3818409.97	6.31E-10	2.65E-09	2.39E-10	3.52E-09	5.26E-10	1.95E-09	1.71E-10	2.64E-09	5.96E-11	3.41E-10	4.07E-11	4.42E-10	5.42E-11	1.79E-10	1.23E-11	2.45E-10
1769	471128.41	3818422.49	6.35E-10	2.67E-09	2.40E-10	3.54E-09	5.29E-10	1.96E-09	1.72E-10	2.66E-09	5.99E-11	3.43E-10	4.09E-11	4.44E-10	5.45E-11	1.80E-10	1.24E-11	2.47E-10
1770	471131.95	3818431.28	6.40E-10	2.69E-09	2.42E-10	3.57E-09	5.33E-10	1.98E-09	1.74E-10	2.68E-09	6.04E-11	3.46E-10	4.13E-11	4.48E-10	5.50E-11	1.81E-10	1.25E-11	2.49E-10
1771	471135.48	3818440.07	6.47E-10	2.72E-09	2.45E-10	3.61E-09	5.39E-10	2.00E-09	1.76E-10	2.71E-09	6.11E-11	3.50E-10	4.17E-11	4.53E-10	5.55E-11	1.83E-10	1.26E-11	2.51E-10
1772	471139.02	3818448.86	6.54E-10	2.75E-09	2.47E-10	3.65E-09	5.45E-10	2.02E-09	1.77E-10	2.74E-09	6.17E-11	3.53E-10	4.22E-11	4.57E-10	5.61E-11	1.85E-10	1.28E-11	2.54E-10
1773	471142.56	3818457.65	6.61E-10	2.77E-09	2.50E-10	3.69E-09	5.50E-10	2.04E-09	1.79E-10	2.77E-09	6.24E-11	3.57E-10	4.26E-11	4.62E-10	5.67E-11	1.87E-10	1.29E-11	2.57E-10
1774	471146.1	3818466.44	6.68E-10	2.81E-09	2.53E-10	3.73E-09	5.57E-10	2.06E-09	1.81E-10	2.80E-09	6.31E-11	3.61E-10	4.31E-11	4.67E-10	5.74E-11	1.89E-10	1.30E-11	2.60E-10
1775	471149.64	3818475.23	6.76E-10	2.84E-09	2.56E-10	3.77E-09	5.63E-10	2.09E-09	1.83E-10	2.83E-09	6.38E-11	3.65E-10	4.36E-11	4.73E-10	5.80E-11	1.91E-10	1.32E-11	2.63E-10
1776	471153.18	3818484.02	6.84E-10	2.87E-09	2.59E-10	3.82E-09	5.70E-10	2.11E-09	1.86E-10	2.87E-09	6.46E-11	3.70E-10	4.41E-11	4.79E-10	5.87E-11	1.94E-10	1.33E-11	2.66E-10
1777	471156.72	3818492.81	6.93E-10	2.91E-09	2.62E-10	3.87E-09	5.77E-10	2.14E-09	1.88E-10	2.90E-09	6.54E-11	3.75E-10	4.47E-11	4.85E-10	5.95E-11	1.96E-10	1.35E-11	2.69E-10
1778	471163.79	3818510.39	7.11E-10	2.99E-09	2.69E-10	3.96E-09	5.92E-10	2.19E-09	1.93E-10	2.98E-09	6.71E-11	3.84E-10	4.58E-11	4.97E-10	6.10E-11	2.01E-10	1.39E-11	2.76E-10
1779	471167.33	3818519.18	7.20E-10	3.03E-09	2.72E-10	4.02E-09	6.00E-10	2.22E-09	1.96E-10	3.02E-09	6.80E-11	3.89E-10	4.65E-11	5.04E-10	6.18E-11	2.04E-10	1.41E-11	2.80E-10
1780	471170.87	3818527.97	7.31E-10	3.07E-09	2.76E-10	4.08E-09	6.09E-10	2.25E-09	1.98E-10	3.06E-09	6.90E-11	3.95E-10	4.71E-11	5.11E-10	6.27E-11	2.07E-10	1.43E-11	2.84E-10
1781	471174.41	3818536.75	7.41E-10	3.11E-09	2.80E-10	4.13E-09	6.17E-10	2.29E-09	2.01E-10	3.10E-09	7.00E-11	4.01E-10	4.78E-11	5.18E-10	6.36E-11	2.10E-10	1.45E-11	2.88E-10

1782	471177.95	3818545.54	7.52E-10	3.16E-09	2.84E-10	4.19E-09	6.26E-10	2.32E-09	2.04E-10	3.15E-09	7.10E-11	4.07E-10	4.85E-11	5.26E-10	6.46E-11	2.13E-10	1.47E-11	2.92E-10
1783	471181.48	3818554.33	7.63E-10	3.20E-09	2.89E-10	4.26E-09	6.35E-10	2.35E-09	2.07E-10	3.20E-09	7.20E-11	4.12E-10	4.92E-11	5.34E-10	6.55E-11	2.16E-10	1.49E-11	2.96E-10
1784	471185.02	3818563.12	7.75E-10	3.25E-09	2.93E-10	4.32E-09	6.45E-10	2.39E-09	2.10E-10	3.25E-09	7.31E-11	4.19E-10	5.00E-11	5.42E-10	6.65E-11	2.19E-10	1.51E-11	3.01E-10
1785	471188.56	3818571.91	7.87E-10	3.30E-09	2.98E-10	4.39E-09	6.55E-10	2.43E-09	2.14E-10	3.30E-09	7.43E-11	4.25E-10	5.08E-11	5.50E-10	6.76E-11	2.23E-10	1.54E-11	3.06E-10
1786	471192.1	3818580.7	7.99E-10	3.36E-09	3.02E-10	4.46E-09	6.66E-10	2.47E-09	2.17E-10	3.35E-09	7.55E-11	4.32E-10	5.16E-11	5.59E-10	6.86E-11	2.26E-10	1.56E-11	3.10E-10
1787	471195.64	3818589.49	8.12E-10	3.41E-09	3.07E-10	4.53E-09	6.77E-10	2.51E-09	2.21E-10	3.40E-09	7.67E-11	4.39E-10	5.24E-11	5.68E-10	6.97E-11	2.30E-10	1.59E-11	3.16E-10
1788	471199.18	3818598.28	8.25E-10	3.47E-09	3.12E-10	4.60E-09	6.87E-10	2.55E-09	2.24E-10	3.46E-09	7.79E-11	4.46E-10	5.32E-11	5.77E-10	7.09E-11	2.34E-10	1.61E-11	3.21E-10
1789	471202.72	3818607.07	8.39E-10	3.52E-09	3.17E-10	4.68E-09	6.99E-10	2.59E-09	2.28E-10	3.52E-09	7.92E-11	4.54E-10	5.41E-11	5.87E-10	7.20E-11	2.38E-10	1.64E-11	3.26E-10
1790	471206.25	3818615.86	8.53E-10	3.58E-09	3.23E-10	4.76E-09	7.10E-10	2.63E-09	2.32E-10	3.57E-09	8.05E-11	4.61E-10	5.50E-11	5.97E-10	7.32E-11	2.41E-10	1.66E-11	3.31E-10
1791	471209.79	3818624.65	8.67E-10	3.64E-09	3.28E-10	4.84E-09	7.22E-10	2.68E-09	2.35E-10	3.63E-09	8.19E-11	4.69E-10	5.59E-11	6.07E-10	7.44E-11	2.45E-10	1.69E-11	3.37E-10
1792	471213.33	3818633.44	8.82E-10	3.71E-09	3.34E-10	4.92E-09	7.35E-10	2.72E-09	2.40E-10	3.70E-09	8.33E-11	4.77E-10	5.69E-11	6.17E-10	7.57E-11	2.50E-10	1.72E-11	3.43E-10
1793	471216.87	3818642.23	8.97E-10	3.77E-09	3.39E-10	5.01E-09	7.48E-10	2.77E-09	2.44E-10	3.76E-09	8.47E-11	4.85E-10	5.79E-11	6.28E-10	7.70E-11	2.54E-10	1.75E-11	3.49E-10
1794	471220.41	3818651.02	9.13E-10	3.84E-09	3.45E-10	5.09E-09	7.61E-10	2.82E-09	2.48E-10	3.83E-09	8.62E-11	4.94E-10	5.89E-11	6.39E-10	7.84E-11	2.58E-10	1.78E-11	3.55E-10
1795	471223.95	3818659.8	9.29E-10	3.90E-09	3.51E-10	5.18E-09	7.74E-10	2.87E-09	2.52E-10	3.89E-09	8.77E-11	5.02E-10	5.99E-11	6.50E-10	7.98E-11	2.63E-10	1.81E-11	3.61E-10
1796	471227.49	3818668.59	9.45E-10	3.97E-09	3.58E-10	5.27E-09	7.88E-10	2.92E-09	2.57E-10	3.96E-09	8.93E-11	5.11E-10	6.10E-11	6.61E-10	8.12E-11	2.68E-10	1.84E-11	3.67E-10
1797	471231.02	3818677.38	9.63E-10	4.04E-09	3.64E-10	5.37E-09	8.02E-10	2.97E-09	2.61E-10	4.03E-09	9.09E-11	5.20E-10	6.21E-11	6.73E-10	8.26E-11	2.72E-10	1.88E-11	3.74E-10
1798	471234.56	3818686.17	9.80E-10	4.11E-09	3.71E-10	5.46E-09	8.16E-10	3.02E-09	2.66E-10	4.11E-09	9.25E-11	5.30E-10	6.32E-11	6.85E-10	8.41E-11	2.77E-10	1.91E-11	3.81E-10
1799	471238.1	3818694.96	9.98E-10	4.19E-09	3.77E-10	5.56E-09	8.31E-10	3.08E-09	2.71E-10	4.18E-09	9.42E-11	5.39E-10	6.43E-11	6.98E-10	8.56E-11	2.82E-10	1.95E-11	3.87E-10
1800	471241.64	3818703.75	1.02E-09	4.27E-09	3.84E-10	5.67E-09	8.46E-10	3.14E-09	2.76E-10	4.26E-09	9.60E-11	5.49E-10	6.55E-11	7.11E-10	8.72E-11	2.88E-10	1.98E-11	3.95E-10
1801	471245.18	3818712.54	1.03E-09	4.35E-09	3.91E-10	5.77E-09	8.62E-10	3.19E-09	2.81E-10	4.34E-09	9.77E-11	5.59E-10	6.67E-11	7.24E-10	8.88E-11	2.93E-10	2.02E-11	4.02E-10
1802	471248.72	3818721.33	1.05E-09	4.43E-09	3.99E-10	5.88E-09	8.78E-10	3.25E-09	2.86E-10	4.42E-09	9.95E-11	5.70E-10	6.80E-11	7.37E-10	9.05E-11	2.98E-10	2.06E-11	4.09E-10
1803	471252.25	3818730.12	1.07E-09	4.51E-09	4.06E-10	5.99E-09	8.94E-10	3.31E-09	2.91E-10	4.50E-09	1.01E-10	5.80E-10	6.93E-11	7.51E-10	9.22E-11	3.04E-10	2.10E-11	4.17E-10
1804	471255.79	3818738.91	1.09E-09	4.59E-09	4.14E-10	6.10E-09	9.11E-10	3.37E-09	2.97E-10	4.58E-09	1.03E-10	5.91E-10	7.05E-11	7.65E-10	9.39E-11	3.10E-10	2.13E-11	4.25E-10
1805	471259.33	3818747.7	1.11E-09	4.68E-09	4.21E-10	6.21E-09	9.28E-10	3.44E-09	3.02E-10	4.67E-09	1.05E-10	6.02E-10	7.19E-11	7.79E-10	9.57E-11	3.15E-10	2.17E-11	4.33E-10
1806	471262.87	3818756.49	1.14E-09	4.77E-09	4.29E-10	6.33E-09	9.46E-10	3.50E-09	3.08E-10	4.76E-09	1.07E-10	6.14E-10	7.32E-11	7.94E-10	9.75E-11	3.21E-10	2.22E-11	4.41E-10
1807	471266.41	3818765.28	1.16E-09	4.86E-09	4.37E-10	6.45E-09	9.64E-10	3.57E-09	3.14E-10	4.85E-09	1.09E-10	6.25E-10	7.46E-11	8.09E-10	9.93E-11	3.27E-10	2.26E-11	4.49E-10
1808	471269.95	3818774.07	1.18E-09	4.95E-09	4.46E-10	6.57E-09	9.82E-10	3.64E-09	3.20E-10	4.94E-09	1.11E-10	6.37E-10	7.60E-11	8.25E-10	1.01E-10	3.34E-10	2.30E-11	4.58E-10
1809	471273.49	3818782.85	1.20E-09	5.05E-09	4.54E-10	6.70E-09	1.00E-09	3.71E-09	3.26E-10	5.03E-09	1.13E-10	6.49E-10	7.75E-11	8.40E-10	1.03E-10	3.40E-10	2.34E-11	4.67E-10
1810	471277.02	3818791.64	1.22E-09	5.14E-09	4.63E-10	6.83E-09	1.02E-09	3.78E-09	3.32E-10	5.13E-09	1.16E-10	6.62E-10	7.89E-11	8.56E-10	1.05E-10	3.46E-10	2.39E-11	4.75E-10
1811	471280.56	3818800.43	1.25E-09	5.24E-09	4.72E-10	6.96E-09	1.04E-09	3.85E-09	3.39E-10	5.23E-09	1.18E-10	6.74E-10	8.05E-11	8.73E-10	1.07E-10	3.53E-10	2.43E-11	4.84E-10
1812	471284.1	3818809.22	1.27E-09	5.34E-09	4.81E-10	7.09E-09	1.06E-09	3.92E-09	3.45E-10	5.33E-09	1.20E-10	6.87E-10	8.20E-11	8.89E-10	1.09E-10	3.60E-10	2.48E-11	4.94E-10
1813	471287.64	3818818.01	1.30E-09	5.44E-09	4.90E-10	7.23E-09	1.08E-09	4.00E-09	3.52E-10	5.43E-09	1.22E-10	7.00E-10	8.36E-11	9.06E-10	1.11E-10	3.67E-10	2.53E-11	5.03E-10
1814	471291.18	3818826.8	1.32E-09	5.54E-09	4.99E-10	7.36E-09	1.10E-09	4.07E-09	3.58E-10	5.53E-09	1.25E-10	7.14E-10	8.51E-11	9.23E-10	1.13E-10	3.74E-10	2.58E-11	5.13E-10
1815	471312.41	3818879.54	1.48E-09	6.22E-09	5.60E-10	8.26E-09	1.23E-09	4.57E-09	4.02E-10	6.21E-09	1.40E-10	8.01E-10	9.55E-11	1.04E-09	1.27E-10	4.19E-10	2.89E-11	5.75E-10
1816	471315.95	3818888.33	1.51E-09	6.34E-09	5.71E-10	8.42E-09	1.26E-09	4.66E-09	4.10E-10	6.32E-09	1.43E-10	8.16E-10	9.74E-11	1.06E-09	1.30E-10	4.27E-10	2.95E-11	5.86E-10
1817	471319.49	3818897.12	1.54E-09	6.46E-09	5.82E-10	8.58E-09	1.28E-09	4.75E-09	4.18E-10	6.45E-09	1.45E-10	8.32E-10	9.93E-11	1.08E-09	1.32E-10	4.36E-10	3.00E-11	5.98E-10
1818	471323.02	3818905.9	1.57E-09	6.59E-09	5.93E-10	8.75E-09	1.31E-09	4.84E-09	4.26E-10	6.57E-09	1.48E-10	8.48E-10	1.01E-10	1.10E-09	1.35E-10	4.44E-10	3.06E-11	6.09E-10
1819	471326.56	3818914.69	1.60E-09	6.71E-09	6.05E-10	8.92E-09	1.33E-09	4.93E-09	4.34E-10	6.70E-09	1.51E-10	8.64E-10	1.03E-10	1.12E-09	1.37E-10	4.53E-10	3.12E-11	6.21E-10
1820	471330.1	3818923.48	1.63E-09	6.84E-09	6.16E-10	9.09E-09	1.36E-09	5.03E-09	4.42E-10	6.83E-09	1.54E-10	8.81E-10	1.05E-10	1.14E-09	1.40E-10	4.61E-10	3.18E-11	6.33E-10
1821	471333.64	3818932.27	1.66E-09	6.97E-09	6.28E-10	9.26E-09	1.38E-09	5.12E-09	4.51E-10	6.96E-09	1.57E-10	8.98E-10	1.07E-10	1.16E-09	1.43E-10	4.70E-10	3.24E-11	6.45E-10
1822	471340.72	3818949.85	1.72E-09	7.24E-09	6.52E-10	9.62E-09	1.44E-09	5.32E-09	4.68E-10	7.22E-09	1.63E-10	9.32E-10	1.11E-10	1.21E-09	1.48E-10	4.88E-10	3.36E-11	6.70E-10
1823	471344.26	3818958.64	1.76E-09	7.38E-09	6.64E-10	9.80E-09	1.46E-09	5.42E-09	4.77E-10	7.36E-09	1.66E-10	9.50E-10	1.13E-10	1.23E-09	1.51E-10	4.97E-10	3.43E-11	6.82E-10
1824	471347.79	3818967.43	1.79E-09	7.51E-09	6.76E-10	9.98E-09	1.49E-09	5.52E-09	4.86E-10	7.49E-09	1.69E-10	9.67E-10	1.15E-10	1.25E-09	1.54E-10	5.06E-10	3.49E-11	6.95E-10
1825	471351.33	3818976.22	1.82E-09	7.65E-09	6.89E-10	1.02E-08	1.52E-09	5.62E-09	4.94E-10	7.63E-09	1.72E-10	9.84E-10	1.17E-10	1.27E-09	1.56E-10	5.15E-10	3.55E-11	7.07E-10
1826	471354.87	3818985.01	1.85E-09	7.78E-09	7.01E-10	1.03E-08	1.54E-09	5.72E-09	5.03E-10	7.77E-09	1.75E-10	1.00E-09	1.20E-10	1.30E-09	1.59E-10	5.25E-10	3.62E-11	7.20E-10
1827	471358.41	3818993.8	1.89E-09	7.92E-09	7.13E-10	1.05E-08	1.57E-09	5.82E-09	5.12E-10	7.90E-09	1.78E-10	1.02E-09	1.22E-10	1.32E-09	1.62E-10	5.34E-10	3.68E-11	7.33E-10
1828	471361.95	3819002.59	1.92E-09	8.06E-09	7.25E-10	1.07E-08	1.60E-09	5.92E-09	5.21E-10	8.04E-09	1.81E-10	1.04E-09	1.24E-10	1.34E-09	1.65E-10	5.43E-10	3.74E-11	7.45E-10
1829	471365.49	3819011.38	1.95E-09	8.19E-09	7.38E-10	1.09E-08	1.63E-09	6.02E-09	5.30E-10	8.18E-09	1.84E-10	1.05E-09	1.26E-10	1.36E-09	1.68E-10	5.52E-10	3.81E-11	7.58E-10
1830	471369.03	3819020.17	1.98E-09	8.33E-09	7.50E-10	1.11E-08	1.65E-09	6.12E-09	5.38E-10	8.31E-09	1.87E-10	1.07E-09	1.28E-10	1.39E-09	1.70E-10	5.61E-10	3.87E-11	7.70E-10
1831	471372.56	3819028.95	2.02E-09	8.47E-09	7.63E-10	1.12E-08	1.68E-09	6.22E-09	5.47E-10	8.45E-09	1.90E-10	1.09E-09	1.30E-10	1.41E-09	1.73E-10	5.71E-10	3.93E-11	7.83E-10
1832	471383.18	3819055.32	2.11E-09	8.87E-09	7.99E-10	1.18E-08	1.76E-09	6.52E-09	5.73E-10	8.85E-09	1.99E-10	1.14E-09	1.36E-10	1.48E-09	1.81E-10	5.98E-10	4.12E-11	8.21E-10

1833	471386.72	3819064.11	2.14E-09	9.00E-09	8.11E-10	1.20E-08	1.79E-09	6.62E-09	5.82E-10	8.98E-09	2.02E-10	1.16E-09	1.38E-10	1.50E-09	1.84E-10	6.07E-10	4.18E-11	8.33E-10
1834	471390.26	3819072.9	2.17E-09	9.13E-09	8.23E-10	1.21E-08	1.81E-09	6.71E-09	5.90E-10	9.11E-09	2.05E-10	1.18E-09	1.40E-10	1.52E-09	1.87E-10	6.16E-10	4.24E-11	8.45E-10
1835	471393.8	3819081.69	2.21E-09	9.26E-09	8.34E-10	1.23E-08	1.84E-09	6.80E-09	5.99E-10	9.24E-09	2.08E-10	1.19E-09	1.42E-10	1.54E-09	1.89E-10	6.24E-10	4.30E-11	8.57E-10
1836	471397.33	3819090.48	2.24E-09	9.39E-09	8.45E-10	1.25E-08	1.86E-09	6.90E-09	6.07E-10	9.37E-09	2.11E-10	1.21E-09	1.44E-10	1.56E-09	1.92E-10	6.33E-10	4.36E-11	8.68E-10
1837	471400.87	3819099.27	2.26E-09	9.51E-09	8.57E-10	1.26E-08	1.89E-09	6.99E-09	6.15E-10	9.49E-09	2.14E-10	1.22E-09	1.46E-10	1.58E-09	1.94E-10	6.41E-10	4.42E-11	8.80E-10
1838	471404.41	3819108.06	2.29E-09	9.63E-09	8.67E-10	1.28E-08	1.91E-09	7.08E-09	6.23E-10	9.61E-09	2.17E-10	1.24E-09	1.48E-10	1.60E-09	1.97E-10	6.49E-10	4.48E-11	8.91E-10
1839	471407.95	3819116.85	2.32E-09	9.75E-09	8.78E-10	1.30E-08	1.93E-09	7.17E-09	6.30E-10	9.73E-09	2.19E-10	1.26E-09	1.50E-10	1.62E-09	1.99E-10	6.57E-10	4.53E-11	9.02E-10
1840	471411.49	3819125.64	2.35E-09	9.87E-09	8.89E-10	1.31E-08	1.96E-09	7.25E-09	6.38E-10	9.85E-09	2.22E-10	1.27E-09	1.52E-10	1.64E-09	2.02E-10	6.65E-10	4.59E-11	9.13E-10
1841	471415.03	3819134.43	2.38E-09	9.98E-09	8.99E-10	1.33E-08	1.98E-09	7.34E-09	6.45E-10	9.96E-09	2.24E-10	1.29E-09	1.53E-10	1.66E-09	2.04E-10	6.73E-10	4.64E-11	9.23E-10
1842	471422.1	3819152.01	2.43E-09	1.02E-08	9.19E-10	1.35E-08	2.02E-09	7.50E-09	6.59E-10	1.02E-08	2.29E-10	1.31E-09	1.57E-10	1.70E-09	2.09E-10	6.88E-10	4.74E-11	9.43E-10
1843	471425.64	3819160.79	2.45E-09	1.03E-08	9.28E-10	1.37E-08	2.04E-09	7.57E-09	6.66E-10	1.03E-08	2.32E-10	1.33E-09	1.58E-10	1.72E-09	2.11E-10	6.95E-10	4.79E-11	9.53E-10
1844	471429.18	3819169.58	2.48E-09	1.04E-08	9.37E-10	1.38E-08	2.06E-09	7.64E-09	6.72E-10	1.04E-08	2.34E-10	1.34E-09	1.60E-10	1.73E-09	2.13E-10	7.01E-10	4.83E-11	9.62E-10
1845	471432.72	3819178.37	2.50E-09	1.05E-08	9.45E-10	1.39E-08	2.08E-09	7.71E-09	6.79E-10	1.05E-08	2.36E-10	1.35E-09	1.61E-10	1.75E-09	2.15E-10	7.08E-10	4.88E-11	9.71E-10
1846	471436.26	3819187.16	2.52E-09	1.06E-08	9.53E-10	1.41E-08	2.10E-09	7.78E-09	6.84E-10	1.06E-08	2.38E-10	1.36E-09	1.63E-10	1.76E-09	2.16E-10	7.14E-10	4.92E-11	9.79E-10
1847	471439.8	3819195.95	2.54E-09	1.07E-08	9.61E-10	1.42E-08	2.12E-09	7.84E-09	6.90E-10	1.06E-08	2.40E-10	1.37E-09	1.64E-10	1.78E-09	2.18E-10	7.19E-10	4.96E-11	9.87E-10
1848	471443.33	3819204.74	2.56E-09	1.08E-08	9.69E-10	1.43E-08	2.13E-09	7.90E-09	6.95E-10	1.07E-08	2.42E-10	1.38E-09	1.65E-10	1.79E-09	2.20E-10	7.25E-10	5.00E-11	9.95E-10
1849	471446.87	3819213.53	2.58E-09	1.08E-08	9.75E-10	1.44E-08	2.15E-09	7.96E-09	7.00E-10	1.08E-08	2.44E-10	1.39E-09	1.66E-10	1.80E-09	2.21E-10	7.30E-10	5.03E-11	1.00E-09
1850	471450.41	3819222.32	2.60E-09	1.09E-08	9.82E-10	1.45E-08	2.16E-09	8.01E-09	7.05E-10	1.09E-08	2.45E-10	1.40E-09	1.68E-10	1.82E-09	2.23E-10	7.35E-10	5.07E-11	1.01E-09
1851	470211.67	3818057.47	1.67E-09	7.03E-09	6.33E-10	9.34E-09	1.39E-09	5.17E-09	4.54E-10	7.01E-09	1.58E-10	9.05E-10	1.08E-10	1.17E-09	1.44E-10	4.74E-10	3.27E-11	6.50E-10
1852	470202.11	3818057.34	1.69E-09	7.10E-09	6.39E-10	9.43E-09	1.41E-09	5.21E-09	4.59E-10	7.08E-09	1.60E-10	9.14E-10	1.09E-10	1.18E-09	1.45E-10	4.78E-10	3.30E-11	6.56E-10
1853	470192.54	3818057.2	1.70E-09	7.15E-09	6.44E-10	9.49E-09	1.42E-09	5.25E-09	4.62E-10	7.13E-09	1.61E-10	9.20E-10	1.10E-10	1.19E-09	1.46E-10	4.82E-10	3.32E-11	6.61E-10
1854	470182.98	3818057.07	1.71E-09	7.19E-09	6.47E-10	9.55E-09	1.43E-09	5.28E-09	4.65E-10	7.17E-09	1.62E-10	9.25E-10	1.10E-10	1.20E-09	1.47E-10	4.85E-10	3.34E-11	6.65E-10
1855	470173.42	3818056.93	1.72E-09	7.22E-09	6.50E-10	9.59E-09	1.43E-09	5.31E-09	4.67E-10	7.20E-09	1.62E-10	9.29E-10	1.11E-10	1.20E-09	1.48E-10	4.87E-10	3.35E-11	6.68E-10
1856	470163.86	3818056.8	1.73E-09	7.26E-09	6.53E-10	9.64E-09	1.44E-09	5.33E-09	4.69E-10	7.24E-09	1.63E-10	9.34E-10	1.11E-10	1.21E-09	1.48E-10	4.89E-10	3.37E-11	6.71E-10
1857	470154.29	3818056.66	1.74E-09	7.29E-09	6.56E-10	9.68E-09	1.45E-09	5.36E-09	4.71E-10	7.27E-09	1.64E-10	9.38E-10	1.12E-10	1.21E-09	1.49E-10	4.91E-10	3.39E-11	6.74E-10
1858	470144.73	3818056.53	1.74E-09	7.32E-09	6.59E-10	9.72E-09	1.45E-09	5.38E-09	4.73E-10	7.30E-09	1.64E-10	9.42E-10	1.12E-10	1.22E-09	1.50E-10	4.93E-10	3.40E-11	6.77E-10
1859	470135.17	3818056.39	1.75E-09	7.33E-09	6.60E-10	9.74E-09	1.45E-09	5.39E-09	4.74E-10	7.31E-09	1.65E-10	9.44E-10	1.13E-10	1.22E-09	1.50E-10	4.94E-10	3.41E-11	6.78E-10
1860	470125.61	3818056.26	1.75E-09	7.33E-09	6.60E-10	9.74E-09	1.45E-09	5.39E-09	4.74E-10	7.31E-09	1.65E-10	9.44E-10	1.13E-10	1.22E-09	1.50E-10	4.94E-10	3.41E-11	6.78E-10
1861	470403.79	3818023.74	1.17E-09	4.93E-09	4.44E-10	6.55E-09	9.78E-10	3.62E-09	3.19E-10	4.92E-09	1.11E-10	6.35E-10	7.58E-11	8.22E-10	1.01E-10	3.32E-10	2.29E-11	4.56E-10
1862	470412.54	3818027.49	1.17E-09	4.90E-09	4.41E-10	6.51E-09	9.72E-10	3.60E-09	3.17E-10	4.89E-09	1.10E-10	6.31E-10	7.52E-11	8.16E-10	1.00E-10	3.30E-10	2.28E-11	4.53E-10
1863	470421.28	3818031.24	1.16E-09	4.86E-09	4.37E-10	6.45E-09	9.64E-10	3.57E-09	3.14E-10	4.85E-09	1.09E-10	6.25E-10	7.46E-11	8.09E-10	9.93E-11	3.27E-10	2.26E-11	4.49E-10
1864	470430.03	3818035	1.15E-09	4.82E-09	4.34E-10	6.40E-09	9.56E-10	3.54E-09	3.11E-10	4.81E-09	1.08E-10	6.20E-10	7.40E-11	8.02E-10	9.85E-11	3.25E-10	2.24E-11	4.46E-10
1865	470438.77	3818038.75	1.14E-09	4.78E-09	4.30E-10	6.35E-09	9.48E-10	3.51E-09	3.09E-10	4.77E-09	1.07E-10	6.15E-10	7.34E-11	7.96E-10	9.77E-11	3.22E-10	2.22E-11	4.42E-10
1866	470447.52	3818042.5	1.15E-09	4.84E-09	4.36E-10	6.43E-09	9.60E-10	3.56E-09	3.13E-10	4.83E-09	1.09E-10	6.23E-10	7.43E-11	8.06E-10	9.89E-11	3.26E-10	2.25E-11	4.48E-10
1867	470456.26	3818046.26	1.14E-09	4.80E-09	4.33E-10	6.38E-09	9.53E-10	3.53E-09	3.10E-10	4.79E-09	1.08E-10	6.18E-10	7.38E-11	8.00E-10	9.82E-11	3.24E-10	2.23E-11	4.44E-10
1868	470465.01	3818050.01	1.13E-09	4.76E-09	4.29E-10	6.32E-09	9.44E-10	3.50E-09	3.08E-10	4.75E-09	1.07E-10	6.13E-10	7.31E-11	7.93E-10	9.73E-11	3.21E-10	2.21E-11	4.40E-10
1869	470473.75	3818053.76	1.12E-09	4.72E-09	4.25E-10	6.26E-09	9.35E-10	3.47E-09	3.05E-10	4.71E-09	1.06E-10	6.07E-10	7.24E-11	7.86E-10	9.64E-11	3.18E-10	2.19E-11	4.36E-10
1870	470482.5	3818057.52	1.11E-09	4.67E-09	4.21E-10	6.21E-09	9.27E-10	3.43E-09	3.02E-10	4.66E-09	1.05E-10	6.02E-10	7.18E-11	7.78E-10	9.55E-11	3.15E-10	2.17E-11	4.32E-10
1871	470491.24	3818061.27	1.10E-09	4.63E-09	4.17E-10	6.15E-09	9.19E-10	3.40E-09	2.99E-10	4.62E-09	1.04E-10	5.96E-10	7.12E-11	7.72E-10	9.47E-11	3.12E-10	2.15E-11	4.29E-10
1872	470499.99	3818065.02	1.09E-09	4.59E-09	4.14E-10	6.10E-09	9.11E-10	3.37E-09	2.97E-10	4.58E-09	1.03E-10	5.91E-10	7.05E-11	7.65E-10	9.39E-11	3.10E-10	2.13E-11	4.25E-10
1873	470508.73	3818068.78	1.08E-09	4.55E-09	4.10E-10	6.04E-09	9.02E-10	3.34E-09	2.94E-10	4.54E-09	1.02E-10	5.86E-10	6.99E-11	7.58E-10	9.30E-11	3.07E-10	2.11E-11	4.21E-10
1874	470517.48	3818072.53	1.07E-09	4.51E-09	4.06E-10	5.99E-09	8.94E-10	3.31E-09	2.91E-10	4.50E-09	1.01E-10	5.80E-10	6.92E-11	7.51E-10	9.21E-11	3.04E-10	2.09E-11	4.17E-10
1875	470526.22	3818076.28	1.06E-09	4.46E-09	4.02E-10	5.93E-09	8.85E-10	3.28E-09	2.89E-10	4.45E-09	1.00E-10	5.75E-10	6.86E-11	7.43E-10	9.12E-11	3.01E-10	2.07E-11	4.13E-10
1876	470534.96	3818080.04	1.05E-09	4.43E-09	3.99E-10	5.88E-09	8.78E-10	3.25E-09	2.86E-10	4.42E-09	9.95E-11	5.70E-10	6.80E-11	7.37E-10	9.05E-11	2.98E-10	2.06E-11	4.09E-10
1877	470543.71	3818083.79	1.05E-09	4.39E-09	3.95E-10	5.83E-09	8.71E-10	3.23E-09	2.84E-10	4.38E-09	9.87E-11	5.65E-10	6.74E-11	7.31E-10	8.98E-11	2.96E-10	2.04E-11	4.06E-10
1878	470552.45	3818087.54	1.04E-09	4.36E-09	3.93E-10	5.79E-09	8.65E-10	3.20E-09	2.82E-10	4.35E-09	9.80E-11	5.61E-10	6.70E-11	7.26E-10	8.91E-11	2.94E-10	2.03E-11	4.03E-10
1879	470561.2	3818091.3	1.03E-09	4.33E-09	3.90E-10	5.75E-09	8.58E-10	3.18E-09	2.80E-10	4.32E-09	9.73E-11	5.57E-10	6.65E-11	7.21E-10	8.85E-11	2.92E-10	2.01E-11	4.00E-10
1880	470569.94	3818095.05	1.02E-09	4.30E-09	3.87E-10	5.71E-09	8.52E-10	3.16E-09	2.78E-10	4.29E-09	9.66E-11	5.53E-10	6.60E-11	7.16E-10	8.78E-11	2.90E-10	2.00E-11	3.97E-10
1881	470578.69	3818098.8	1.02E-09	4.27E-09	3.84E-10	5.67E-09	8.46E-10	3.14E-09	2.76E-10	4.26E-09	9.60E-11	5.49E-10	6.55E-11	7.11E-10	8.72E-11	2.88E-10	1.98E-11	3.95E-10
1882	470587.43	3818102.56	1.01E-09	4.24E-09	3.82E-10	5.63E-09	8.41E-10	3.11E-09	2.74E-10	4.23E-09	9.53E-11	5.46E-10	6.51E-11	7.06E-10	8.66E-11	2.86E-10	1.97E-11	3.92E-10
1883	470596.18	3818106.31	1.00E-09	4.21E-09	3.79E-10	5.59E-09	8.35E-10	3.09E-09	2.72E-10	4.20E-09	9.47E-11	5.42E-10	6.47E-11	7.01E-10	8.61E-11	2.84E-10	1.96E-11	3.89E-10

1884	470604.92	3818110.06	9.96E-10	4.18E-09	3.77E-10	5.56E-09	8.30E-10	3.07E-09	2.70E-10	4.17E-09	9.41E-11	5.39E-10	6.43E-11	6.97E-10	8.55E-11	2.82E-10	1.94E-11	3.87E-10
1885	470613.67	3818113.82	9.89E-10	4.15E-09	3.74E-10	5.51E-09	8.24E-10	3.05E-09	2.68E-10	4.14E-09	9.34E-11	5.34E-10	6.38E-11	6.92E-10	8.49E-11	2.80E-10	1.93E-11	3.84E-10
1886	470622.41	3818117.57	9.80E-10	4.12E-09	3.71E-10	5.47E-09	8.17E-10	3.03E-09	2.66E-10	4.11E-09	9.26E-11	5.30E-10	6.32E-11	6.86E-10	8.42E-11	2.78E-10	1.91E-11	3.81E-10
1887	470631.16	3818121.32	9.73E-10	4.09E-09	3.68E-10	5.43E-09	8.10E-10	3.00E-09	2.64E-10	4.08E-09	9.19E-11	5.26E-10	6.28E-11	6.81E-10	8.35E-11	2.75E-10	1.90E-11	3.78E-10
1888	470639.9	3818125.08	9.65E-10	4.05E-09	3.65E-10	5.38E-09	8.04E-10	2.98E-09	2.62E-10	4.04E-09	9.11E-11	5.21E-10	6.22E-11	6.75E-10	8.28E-11	2.73E-10	1.88E-11	3.75E-10
1889	470648.65	3818128.83	9.56E-10	4.02E-09	3.62E-10	5.33E-09	7.97E-10	2.95E-09	2.60E-10	4.01E-09	9.03E-11	5.17E-10	6.17E-11	6.69E-10	8.21E-11	2.71E-10	1.87E-11	3.71E-10
1890	470657.39	3818132.58	9.49E-10	3.98E-09	3.59E-10	5.29E-09	7.90E-10	2.93E-09	2.58E-10	3.98E-09	8.96E-11	5.13E-10	6.12E-11	6.64E-10	8.15E-11	2.69E-10	1.85E-11	3.69E-10
1891	470666.14	3818136.34	9.41E-10	3.95E-09	3.56E-10	5.25E-09	7.84E-10	2.90E-09	2.56E-10	3.94E-09	8.89E-11	5.09E-10	6.07E-11	6.58E-10	8.08E-11	2.66E-10	1.84E-11	3.66E-10
1892	470674.88	3818140.09	9.34E-10	3.92E-09	3.53E-10	5.21E-09	7.78E-10	2.88E-09	2.53E-10	3.91E-09	8.82E-11	5.05E-10	6.02E-11	6.53E-10	8.02E-11	2.64E-10	1.82E-11	3.63E-10
1893	470683.63	3818143.84	9.26E-10	3.89E-09	3.50E-10	5.17E-09	7.72E-10	2.86E-09	2.51E-10	3.88E-09	8.75E-11	5.01E-10	5.97E-11	6.48E-10	7.95E-11	2.62E-10	1.81E-11	3.60E-10
1894	470692.37	3818147.6	9.19E-10	3.86E-09	3.47E-10	5.12E-09	7.65E-10	2.83E-09	2.49E-10	3.85E-09	8.68E-11	4.97E-10	5.93E-11	6.43E-10	7.89E-11	2.60E-10	1.79E-11	3.57E-10
1895	470701.11	3818151.35	9.11E-10	3.83E-09	3.45E-10	5.08E-09	7.59E-10	2.81E-09	2.47E-10	3.82E-09	8.60E-11	4.93E-10	5.88E-11	6.37E-10	7.82E-11	2.58E-10	1.78E-11	3.54E-10
1896	470709.86	3818155.1	9.04E-10	3.79E-09	3.42E-10	5.04E-09	7.53E-10	2.79E-09	2.45E-10	3.79E-09	8.53E-11	4.88E-10	5.83E-11	6.32E-10	7.76E-11	2.56E-10	1.76E-11	3.51E-10
1897	470718.6	3818158.85	8.95E-10	3.76E-09	3.39E-10	4.99E-09	7.46E-10	2.76E-09	2.43E-10	3.75E-09	8.46E-11	4.84E-10	5.78E-11	6.26E-10	7.69E-11	2.53E-10	1.75E-11	3.48E-10
1898	470727.35	3818162.61	8.88E-10	3.73E-09	3.36E-10	4.95E-09	7.39E-10	2.74E-09	2.41E-10	3.72E-09	8.38E-11	4.80E-10	5.73E-11	6.21E-10	7.62E-11	2.51E-10	1.73E-11	3.45E-10
1899	470736.09	3818166.36	8.80E-10	3.70E-09	3.33E-10	4.91E-09	7.33E-10	2.72E-09	2.39E-10	3.69E-09	8.31E-11	4.76E-10	5.68E-11	6.16E-10	7.56E-11	2.49E-10	1.72E-11	3.42E-10
1900	470744.84	3818170.11	8.72E-10	3.66E-09	3.30E-10	4.86E-09	7.26E-10	2.69E-09	2.37E-10	3.65E-09	8.23E-11	4.71E-10	5.62E-11	6.10E-10	7.49E-11	2.47E-10	1.70E-11	3.39E-10
1901	470753.58	3818173.87	8.64E-10	3.63E-09	3.27E-10	4.82E-09	7.20E-10	2.67E-09	2.35E-10	3.62E-09	8.16E-11	4.67E-10	5.58E-11	6.05E-10	7.42E-11	2.45E-10	1.69E-11	3.36E-10
1902	470762.33	3818177.62	8.57E-10	3.60E-09	3.24E-10	4.78E-09	7.14E-10	2.64E-09	2.33E-10	3.59E-09	8.09E-11	4.63E-10	5.53E-11	5.99E-10	7.36E-11	2.43E-10	1.67E-11	3.33E-10
1903	470771.07	3818181.37	8.49E-10	3.56E-09	3.21E-10	4.73E-09	7.07E-10	2.62E-09	2.30E-10	3.56E-09	8.01E-11	4.59E-10	5.47E-11	5.94E-10	7.29E-11	2.40E-10	1.66E-11	3.30E-10
1904	470779.82	3818185.13	8.41E-10	3.53E-09	3.18E-10	4.69E-09	7.01E-10	2.60E-09	2.28E-10	3.52E-09	7.94E-11	4.55E-10	5.43E-11	5.88E-10	7.22E-11	2.38E-10	1.64E-11	3.27E-10
1905	470788.56	3818188.88	8.33E-10	3.50E-09	3.15E-10	4.65E-09	6.94E-10	2.57E-09	2.26E-10	3.49E-09	7.87E-11	4.50E-10	5.37E-11	5.83E-10	7.15E-11	2.36E-10	1.63E-11	3.24E-10
1906	470797.31	3818192.63	8.25E-10	3.47E-09	3.12E-10	4.60E-09	6.87E-10	2.55E-09	2.24E-10	3.46E-09	7.79E-11	4.46E-10	5.32E-11	5.77E-10	7.09E-11	2.34E-10	1.61E-11	3.21E-10
1907	470806.05	3818196.39	8.17E-10	3.43E-09	3.09E-10	4.56E-09	6.81E-10	2.52E-09	2.22E-10	3.42E-09	7.72E-11	4.42E-10	5.27E-11	5.72E-10	7.01E-11	2.31E-10	1.59E-11	3.17E-10
1908	470814.8	3818200.14	8.10E-10	3.40E-09	3.06E-10	4.52E-09	6.74E-10	2.50E-09	2.20E-10	3.39E-09	7.65E-11	4.38E-10	5.22E-11	5.66E-10	6.95E-11	2.29E-10	1.58E-11	3.14E-10
1909	470823.54	3818203.89	8.01E-10	3.37E-09	3.03E-10	4.47E-09	6.67E-10	2.47E-09	2.18E-10	3.36E-09	7.57E-11	4.33E-10	5.17E-11	5.61E-10	6.88E-11	2.27E-10	1.56E-11	3.11E-10
1910	470832.29	3818207.65	7.93E-10	3.33E-09	3.00E-10	4.42E-09	6.61E-10	2.45E-09	2.15E-10	3.32E-09	7.49E-11	4.29E-10	5.12E-11	5.55E-10	6.81E-11	2.25E-10	1.55E-11	3.08E-10
1911	470841.03	3818211.4	7.85E-10	3.30E-09	2.97E-10	4.38E-09	6.54E-10	2.42E-09	2.13E-10	3.29E-09	7.41E-11	4.24E-10	5.06E-11	5.49E-10	6.74E-11	2.22E-10	1.53E-11	3.05E-10
1912	470849.78	3818215.15	7.77E-10	3.26E-09	2.94E-10	4.33E-09	6.47E-10	2.40E-09	2.11E-10	3.25E-09	7.33E-11	4.20E-10	5.01E-11	5.43E-10	6.67E-11	2.20E-10	1.52E-11	3.02E-10
1913	470858.52	3818218.91	7.68E-10	3.23E-09	2.91E-10	4.29E-09	6.40E-10	2.37E-09	2.09E-10	3.22E-09	7.26E-11	4.15E-10	4.96E-11	5.38E-10	6.60E-11	2.18E-10	1.50E-11	2.98E-10
1914	470867.26	3818222.66	7.60E-10	3.19E-09	2.88E-10	4.24E-09	6.33E-10	2.35E-09	2.06E-10	3.19E-09	7.18E-11	4.11E-10	4.90E-11	5.32E-10	6.53E-11	2.15E-10	1.48E-11	2.95E-10
1915	470876.01	3818226.41	7.53E-10	3.16E-09	2.85E-10	4.20E-09	6.27E-10	2.32E-09	2.04E-10	3.15E-09	7.11E-11	4.07E-10	4.85E-11	5.27E-10	6.46E-11	2.13E-10	1.47E-11	2.92E-10
1916	470884.75	3818230.17	7.44E-10	3.13E-09	2.82E-10	4.15E-09	6.20E-10	2.30E-09	2.02E-10	3.12E-09	7.03E-11	4.02E-10	4.80E-11	5.21E-10	6.39E-11	2.11E-10	1.45E-11	2.89E-10
1917	470893.5	3818233.92	7.36E-10	3.09E-09	2.78E-10	4.11E-09	6.13E-10	2.27E-09	2.00E-10	3.08E-09	6.95E-11	3.98E-10	4.75E-11	5.15E-10	6.32E-11	2.08E-10	1.44E-11	2.86E-10
1918	470902.24	3818237.67	7.28E-10	3.06E-09	2.75E-10	4.06E-09	6.06E-10	2.25E-09	1.98E-10	3.05E-09	6.87E-11	3.94E-10	4.70E-11	5.09E-10	6.25E-11	2.06E-10	1.42E-11	2.83E-10
1919	470910.99	3818241.43	7.20E-10	3.02E-09	2.72E-10	4.01E-09	5.99E-10	2.22E-09	1.95E-10	3.02E-09	6.80E-11	3.89E-10	4.64E-11	5.03E-10	6.18E-11	2.04E-10	1.40E-11	2.80E-10
1920	470919.73	3818245.18	7.12E-10	2.99E-09	2.69E-10	3.97E-09	5.93E-10	2.20E-09	1.93E-10	2.98E-09	6.73E-11	3.85E-10	4.59E-11	4.98E-10	6.11E-11	2.02E-10	1.39E-11	2.77E-10
1921	470928.48	3818248.93	7.04E-10	2.96E-09	2.66E-10	3.93E-09	5.86E-10	2.17E-09	1.91E-10	2.95E-09	6.65E-11	3.81E-10	4.54E-11	4.92E-10	6.04E-11	1.99E-10	1.37E-11	2.73E-10
1922	470937.22	3818252.69	6.96E-10	2.92E-09	2.63E-10	3.88E-09	5.80E-10	2.15E-09	1.89E-10	2.92E-09	6.58E-11	3.76E-10	4.49E-11	4.87E-10	5.98E-11	1.97E-10	1.36E-11	2.70E-10
1923	470945.97	3818256.44	6.89E-10	2.89E-09	2.61E-10	3.84E-09	5.74E-10	2.13E-09	1.87E-10	2.89E-09	6.50E-11	3.72E-10	4.44E-11	4.82E-10	5.91E-11	1.95E-10	1.34E-11	2.68E-10
1924	470954.71	3818260.19	6.81E-10	2.86E-09	2.58E-10	3.80E-09	5.67E-10	2.10E-09	1.85E-10	2.85E-09	6.43E-11	3.68E-10	4.39E-11	4.77E-10	5.85E-11	1.93E-10	1.33E-11	2.65E-10
1925	470963.46	3818263.95	6.74E-10	2.83E-09	2.55E-10	3.76E-09	5.61E-10	2.08E-09	1.83E-10	2.82E-09	6.36E-11	3.64E-10	4.35E-11	4.71E-10	5.78E-11	1.91E-10	1.31E-11	2.62E-10
1926	470972.2	3818267.7	6.66E-10	2.80E-09	2.52E-10	3.72E-09	5.55E-10	2.06E-09	1.81E-10	2.79E-09	6.29E-11	3.60E-10	4.30E-11	4.66E-10	5.72E-11	1.89E-10	1.30E-11	2.59E-10
1927	470980.95	3818271.45	6.59E-10	2.77E-09	2.49E-10	3.67E-09	5.49E-10	2.03E-09	1.79E-10	2.76E-09	6.22E-11	3.56E-10	4.25E-11	4.61E-10	5.65E-11	1.86E-10	1.29E-11	2.56E-10
1928	470989.69	3818275.21	6.52E-10	2.74E-09	2.47E-10	3.64E-09	5.43E-10	2.01E-09	1.77E-10	2.73E-09	6.15E-11	3.52E-10	4.20E-11	4.56E-10	5.60E-11	1.84E-10	1.27E-11	2.53E-10
1929	470998.44	3818278.96	6.45E-10	2.71E-09	2.44E-10	3.60E-09	5.37E-10	1.99E-09	1.75E-10	2.70E-09	6.09E-11	3.49E-10	4.16E-11	4.51E-10	5.54E-11	1.83E-10	1.26E-11	2.51E-10
1930	471007.18	3818282.71	6.38E-10	2.68E-09	2.41E-10	3.56E-09	5.31E-10	1.97E-09	1.73E-10	2.67E-09	6.03E-11	3.45E-10	4.12E-11	4.46E-10	5.48E-11	1.81E-10	1.25E-11	2.48E-10
1931	471015.93	3818286.47	6.31E-10	2.65E-09	2.39E-10	3.52E-09	5.26E-10	1.95E-09	1.71E-10	2.64E-09	5.96E-11	3.41E-10	4.07E-11	4.42E-10	5.42E-11	1.79E-10	1.23E-11	2.45E-10
1932	471024.67	3818290.22	6.25E-10	2.62E-09	2.36E-10	3.49E-09	5.21E-10	1.93E-09	1.70E-10	2.62E-09	5.90E-11	3.38E-10	4.03E-11	4.37E-10	5.37E-11	1.77E-10	1.22E-11	2.43E-10
1933	471033.41	3818293.97	6.19E-10	2.60E-09	2.34E-10	3.45E-09	5.15E-10	1.91E-09	1.68E-10	2.59E-09	5.84E-11	3.35E-10	3.99E-11	4.33E-10	5.31E-11	1.75E-10	1.21E-11	2.40E-10
1934	471068.39	3818308.99	5.96E-10	2.50E-09	2.25E-10	3.32E-09	4.96E-10	1.84E-09	1.62E-10	2.50E-09	5.62E-11	3.22E-10	3.84E-11	4.17E-10	5.11E-11	1.69E-10	1.16E-11	2.31E-10

1935	471077.14	3818312.74	5.91E-10	2.48E-09	2.23E-10	3.29E-09	4.92E-10	1.82E-09	1.60E-10	2.48E-09	5.58E-11	3.19E-10	3.81E-11	4.13E-10	5.07E-11	1.67E-10	1.15E-11	2.29E-10
1936	471085.88	3818316.49	5.86E-10	2.46E-09	2.22E-10	3.27E-09	4.88E-10	1.81E-09	1.59E-10	2.46E-09	5.53E-11	3.17E-10	3.78E-11	4.10E-10	5.03E-11	1.66E-10	1.14E-11	2.28E-10
1937	471094.63	3818320.25	5.81E-10	2.44E-09	2.20E-10	3.24E-09	4.84E-10	1.79E-09	1.58E-10	2.44E-09	5.49E-11	3.14E-10	3.75E-11	4.07E-10	4.99E-11	1.64E-10	1.13E-11	2.26E-10
1938	471103.37	3818324	5.77E-10	2.42E-09	2.18E-10	3.22E-09	4.81E-10	1.78E-09	1.57E-10	2.42E-09	5.45E-11	3.12E-10	3.72E-11	4.04E-10	4.95E-11	1.63E-10	1.13E-11	2.24E-10
1939	471112.12	3818327.75	5.73E-10	2.41E-09	2.17E-10	3.20E-09	4.77E-10	1.77E-09	1.56E-10	2.40E-09	5.41E-11	3.10E-10	3.70E-11	4.01E-10	4.92E-11	1.62E-10	1.12E-11	2.23E-10
1940	471120.86	3818331.51	5.69E-10	2.39E-09	2.15E-10	3.17E-09	4.74E-10	1.76E-09	1.54E-10	2.38E-09	5.37E-11	3.07E-10	3.67E-11	3.98E-10	4.88E-11	1.61E-10	1.11E-11	2.21E-10
1941	471129.61	3818335.26	5.65E-10	2.37E-09	2.14E-10	3.15E-09	4.71E-10	1.74E-09	1.53E-10	2.37E-09	5.34E-11	3.06E-10	3.65E-11	3.95E-10	4.85E-11	1.60E-10	1.10E-11	2.20E-10
1942	471138.35	3818339.01	5.62E-10	2.36E-09	2.13E-10	3.13E-09	4.68E-10	1.73E-09	1.53E-10	2.35E-09	5.31E-11	3.04E-10	3.62E-11	3.93E-10	4.82E-11	1.59E-10	1.10E-11	2.18E-10
1943	471147.1	3818342.77	5.58E-10	2.35E-09	2.11E-10	3.12E-09	4.65E-10	1.72E-09	1.52E-10	2.34E-09	5.27E-11	3.02E-10	3.60E-11	3.91E-10	4.79E-11	1.58E-10	1.09E-11	2.17E-10
1944	471155.84	3818346.52	5.56E-10	2.33E-09	2.10E-10	3.10E-09	4.63E-10	1.71E-09	1.51E-10	2.33E-09	5.25E-11	3.00E-10	3.58E-11	3.89E-10	4.77E-11	1.57E-10	1.08E-11	2.16E-10
1945	471164.59	3818350.27	5.53E-10	2.32E-09	2.09E-10	3.08E-09	4.61E-10	1.71E-09	1.50E-10	2.32E-09	5.22E-11	2.99E-10	3.57E-11	3.87E-10	4.75E-11	1.57E-10	1.08E-11	2.15E-10
1946	471173.33	3818354.03	5.51E-10	2.31E-09	2.08E-10	3.07E-09	4.59E-10	1.70E-09	1.50E-10	2.31E-09	5.20E-11	2.98E-10	3.55E-11	3.85E-10	4.73E-11	1.56E-10	1.08E-11	2.14E-10
1947	471185.63	3818366.61	5.53E-10	2.32E-09	2.09E-10	3.08E-09	4.61E-10	1.71E-09	1.50E-10	2.32E-09	5.22E-11	2.99E-10	3.57E-11	3.87E-10	4.75E-11	1.57E-10	1.08E-11	2.15E-10
1948	471189.18	3818375.44	5.58E-10	2.35E-09	2.11E-10	3.12E-09	4.65E-10	1.72E-09	1.52E-10	2.34E-09	5.27E-11	3.02E-10	3.60E-11	3.91E-10	4.79E-11	1.58E-10	1.09E-11	2.17E-10
1949	471192.74	3818384.26	5.63E-10	2.37E-09	2.13E-10	3.14E-09	4.69E-10	1.74E-09	1.53E-10	2.36E-09	5.32E-11	3.05E-10	3.63E-11	3.94E-10	4.84E-11	1.59E-10	1.10E-11	2.19E-10
1950	471196.29	3818393.09	5.69E-10	2.39E-09	2.15E-10	3.17E-09	4.74E-10	1.76E-09	1.54E-10	2.38E-09	5.37E-11	3.07E-10	3.67E-11	3.98E-10	4.88E-11	1.61E-10	1.11E-11	2.21E-10
1951	471199.85	3818401.92	5.75E-10	2.41E-09	2.17E-10	3.21E-09	4.79E-10	1.77E-09	1.56E-10	2.41E-09	5.43E-11	3.11E-10	3.71E-11	4.02E-10	4.94E-11	1.63E-10	1.12E-11	2.23E-10
1952	471203.4	3818410.75	5.80E-10	2.44E-09	2.20E-10	3.24E-09	4.83E-10	1.79E-09	1.58E-10	2.43E-09	5.48E-11	3.14E-10	3.74E-11	4.06E-10	4.98E-11	1.64E-10	1.13E-11	2.25E-10
1953	471206.95	3818419.57	5.87E-10	2.47E-09	2.22E-10	3.28E-09	4.89E-10	1.81E-09	1.59E-10	2.46E-09	5.55E-11	3.17E-10	3.79E-11	4.11E-10	5.04E-11	1.66E-10	1.15E-11	2.28E-10
1954	471217.61	3818446.06	6.08E-10	2.55E-09	2.30E-10	3.39E-09	5.06E-10	1.88E-09	1.65E-10	2.55E-09	5.74E-11	3.29E-10	3.92E-11	4.25E-10	5.22E-11	1.72E-10	1.19E-11	2.36E-10
1955	471221.17	3818454.89	6.15E-10	2.58E-09	2.33E-10	3.43E-09	5.13E-10	1.90E-09	1.67E-10	2.58E-09	5.81E-11	3.33E-10	3.97E-11	4.31E-10	5.28E-11	1.74E-10	1.20E-11	2.39E-10
1956	471224.72	3818463.71	6.24E-10	2.62E-09	2.36E-10	3.48E-09	5.19E-10	1.92E-09	1.69E-10	2.61E-09	5.89E-11	3.37E-10	4.02E-11	4.36E-10	5.35E-11	1.77E-10	1.22E-11	2.42E-10
1957	471228.28	3818472.54	6.32E-10	2.65E-09	2.39E-10	3.52E-09	5.26E-10	1.95E-09	1.72E-10	2.65E-09	5.97E-11	3.42E-10	4.08E-11	4.42E-10	5.42E-11	1.79E-10	1.23E-11	2.45E-10
1958	471231.83	3818481.37	6.40E-10	2.69E-09	2.42E-10	3.57E-09	5.33E-10	1.98E-09	1.74E-10	2.68E-09	6.04E-11	3.46E-10	4.13E-11	4.48E-10	5.50E-11	1.81E-10	1.25E-11	2.49E-10
1959	471235.38	3818490.2	6.49E-10	2.73E-09	2.45E-10	3.62E-09	5.41E-10	2.00E-09	1.76E-10	2.72E-09	6.13E-11	3.51E-10	4.19E-11	4.54E-10	5.57E-11	1.84E-10	1.27E-11	2.52E-10
1960	471238.94	3818499.02	6.58E-10	2.76E-09	2.49E-10	3.67E-09	5.48E-10	2.03E-09	1.79E-10	2.76E-09	6.21E-11	3.56E-10	4.24E-11	4.60E-10	5.65E-11	1.86E-10	1.28E-11	2.56E-10
1961	471242.49	3818507.85	6.68E-10	2.80E-09	2.52E-10	3.72E-09	5.56E-10	2.06E-09	1.81E-10	2.80E-09	6.30E-11	3.61E-10	4.31E-11	4.67E-10	5.73E-11	1.89E-10	1.30E-11	2.59E-10
1962	471246.05	3818516.68	6.77E-10	2.84E-09	2.56E-10	3.78E-09	5.64E-10	2.09E-09	1.84E-10	2.84E-09	6.39E-11	3.66E-10	4.37E-11	4.74E-10	5.81E-11	1.92E-10	1.32E-11	2.63E-10
1963	471249.6	3818525.51	6.87E-10	2.89E-09	2.60E-10	3.83E-09	5.73E-10	2.12E-09	1.87E-10	2.88E-09	6.49E-11	3.72E-10	4.43E-11	4.81E-10	5.90E-11	1.95E-10	1.34E-11	2.67E-10
1964	471253.15	3818534.33	6.98E-10	2.93E-09	2.64E-10	3.89E-09	5.81E-10	2.15E-09	1.89E-10	2.92E-09	6.59E-11	3.77E-10	4.50E-11	4.88E-10	5.99E-11	1.98E-10	1.36E-11	2.71E-10
1965	471256.71	3818543.16	7.08E-10	2.97E-09	2.68E-10	3.95E-09	5.90E-10	2.18E-09	1.92E-10	2.97E-09	6.69E-11	3.83E-10	4.57E-11	4.95E-10	6.08E-11	2.00E-10	1.38E-11	2.75E-10
1966	471260.26	3818551.99	7.20E-10	3.02E-09	2.72E-10	4.01E-09	5.99E-10	2.22E-09	1.95E-10	3.02E-09	6.80E-11	3.89E-10	4.64E-11	5.03E-10	6.18E-11	2.04E-10	1.40E-11	2.80E-10
1967	471263.82	3818560.82	7.31E-10	3.07E-09	2.76E-10	4.08E-09	6.09E-10	2.25E-09	1.98E-10	3.06E-09	6.90E-11	3.95E-10	4.71E-11	5.11E-10	6.27E-11	2.07E-10	1.43E-11	2.84E-10
1968	471267.37	3818569.64	7.42E-10	3.12E-09	2.81E-10	4.14E-09	6.18E-10	2.29E-09	2.02E-10	3.11E-09	7.01E-11	4.01E-10	4.79E-11	5.19E-10	6.37E-11	2.10E-10	1.45E-11	2.88E-10
1969	471270.92	3818578.47	7.54E-10	3.17E-09	2.85E-10	4.21E-09	6.28E-10	2.33E-09	2.05E-10	3.16E-09	7.12E-11	4.08E-10	4.86E-11	5.27E-10	6.47E-11	2.13E-10	1.47E-11	2.93E-10
1970	471274.48	3818587.3	7.66E-10	3.22E-09	2.90E-10	4.27E-09	6.38E-10	2.36E-09	2.08E-10	3.21E-09	7.24E-11	4.14E-10	4.94E-11	5.36E-10	6.58E-11	2.17E-10	1.50E-11	2.98E-10
1971	471278.03	3818596.13	7.79E-10	3.27E-09	2.95E-10	4.34E-09	6.49E-10	2.40E-09	2.11E-10	3.26E-09	7.35E-11	4.21E-10	5.02E-11	5.45E-10	6.69E-11	2.20E-10	1.52E-11	3.02E-10
1972	471281.59	3818604.96	7.92E-10	3.33E-09	2.99E-10	4.42E-09	6.59E-10	2.44E-09	2.15E-10	3.32E-09	7.48E-11	4.28E-10	5.11E-11	5.54E-10	6.80E-11	2.24E-10	1.54E-11	3.08E-10
1973	471285.14	3818613.78	8.05E-10	3.38E-09	3.04E-10	4.49E-09	6.70E-10	2.48E-09	2.18E-10	3.37E-09	7.60E-11	4.35E-10	5.19E-11	5.63E-10	6.91E-11	2.28E-10	1.57E-11	3.13E-10
1974	471288.69	3818622.61	8.19E-10	3.44E-09	3.10E-10	4.57E-09	6.82E-10	2.53E-09	2.22E-10	3.43E-09	7.73E-11	4.42E-10	5.28E-11	5.73E-10	7.03E-11	2.32E-10	1.60E-11	3.18E-10
1975	471292.25	3818631.44	8.32E-10	3.50E-09	3.15E-10	4.64E-09	6.93E-10	2.57E-09	2.26E-10	3.49E-09	7.86E-11	4.50E-10	5.37E-11	5.82E-10	7.14E-11	2.36E-10	1.62E-11	3.23E-10
1976	471313.57	3818684.4	9.22E-10	3.87E-09	3.49E-10	5.14E-09	7.68E-10	2.85E-09	2.50E-10	3.86E-09	8.71E-11	4.99E-10	5.95E-11	6.45E-10	7.92E-11	2.61E-10	1.80E-11	3.58E-10
1977	471317.13	3818693.23	9.38E-10	3.94E-09	3.55E-10	5.23E-09	7.81E-10	2.89E-09	2.55E-10	3.93E-09	8.86E-11	5.07E-10	6.05E-11	6.56E-10	8.05E-11	2.65E-10	1.83E-11	3.64E-10
1978	471320.68	3818702.06	9.55E-10	4.01E-09	3.61E-10	5.33E-09	7.96E-10	2.95E-09	2.59E-10	4.00E-09	9.02E-11	5.16E-10	6.16E-11	6.68E-10	8.20E-11	2.70E-10	1.86E-11	3.71E-10
1979	471324.23	3818710.89	9.72E-10	4.08E-09	3.67E-10	5.42E-09	8.09E-10	3.00E-09	2.64E-10	4.07E-09	9.17E-11	5.25E-10	6.27E-11	6.80E-10	8.34E-11	2.75E-10	1.90E-11	3.77E-10
1980	471327.79	3818719.71	9.89E-10	4.15E-09	3.74E-10	5.52E-09	8.24E-10	3.05E-09	2.69E-10	4.15E-09	9.34E-11	5.35E-10	6.38E-11	6.92E-10	8.49E-11	2.80E-10	1.93E-11	3.84E-10
1981	471331.34	3818728.54	1.01E-09	4.23E-09	3.81E-10	5.61E-09	8.38E-10	3.11E-09	2.73E-10	4.22E-09	9.50E-11	5.44E-10	6.49E-11	7.04E-10	8.64E-11	2.85E-10	1.96E-11	3.91E-10
1982	471334.89	3818737.37	1.03E-09	4.30E-09	3.88E-10	5.72E-09	8.54E-10	3.16E-09	2.78E-10	4.30E-09	9.68E-11	5.54E-10	6.61E-11	7.17E-10	8.80E-11	2.90E-10	2.00E-11	3.98E-10
1983	471338.45	3818746.2	1.04E-09	4.38E-09	3.95E-10	5.82E-09	8.69E-10	3.22E-09	2.83E-10	4.37E-09	9.85E-11	5.64E-10	6.73E-11	7.30E-10	8.96E-11	2.95E-10	2.04E-11	4.05E-10
1984	471342	3818755.03	1.06E-09	4.46E-09	4.02E-10	5.93E-09	8.85E-10	3.28E-09	2.89E-10	4.45E-09	1.00E-10	5.75E-10	6.86E-11	7.43E-10	9.12E-11	3.01E-10	2.07E-11	4.13E-10
1985	471345.56	3818763.85	1.08E-09	4.54E-09	4.09E-10	6.03E-09	9.01E-10	3.34E-09	2.94E-10	4.53E-09	1.02E-10	5.85E-10	6.98E-11	7.57E-10	9.29E-11	3.06E-10	2.11E-11	4.20E-10

1986	471349.11	3818772.68	1.10E-09	4.63E-09	4.17E-10	6.15E-09	9.18E-10	3.40E-09	2.99E-10	4.62E-09	1.04E-10	5.96E-10	7.11E-11	7.71E-10	9.46E-11	3.12E-10	2.15E-11	4.28E-10
1987	471352.66	3818781.51	1.12E-09	4.71E-09	4.24E-10	6.26E-09	9.34E-10	3.46E-09	3.05E-10	4.70E-09	1.06E-10	6.06E-10	7.24E-11	7.85E-10	9.63E-11	3.18E-10	2.19E-11	4.36E-10
1988	471356.22	3818790.34	1.14E-09	4.80E-09	4.32E-10	6.37E-09	9.52E-10	3.53E-09	3.10E-10	4.79E-09	1.08E-10	6.18E-10	7.37E-11	7.99E-10	9.81E-11	3.23E-10	2.23E-11	4.44E-10
1989	471359.77	3818799.16	1.16E-09	4.89E-09	4.40E-10	6.49E-09	9.69E-10	3.59E-09	3.16E-10	4.88E-09	1.10E-10	6.29E-10	7.51E-11	8.14E-10	9.99E-11	3.29E-10	2.27E-11	4.52E-10
1990	471363.33	3818807.99	1.18E-09	4.98E-09	4.48E-10	6.61E-09	9.87E-10	3.66E-09	3.22E-10	4.97E-09	1.12E-10	6.41E-10	7.64E-11	8.29E-10	1.02E-10	3.35E-10	2.31E-11	4.60E-10
1991	471366.88	3818816.82	1.21E-09	5.07E-09	4.56E-10	6.73E-09	1.01E-09	3.72E-09	3.28E-10	5.06E-09	1.14E-10	6.52E-10	7.78E-11	8.44E-10	1.04E-10	3.42E-10	2.35E-11	4.69E-10
1992	471370.43	3818825.65	1.23E-09	5.16E-09	4.65E-10	6.86E-09	1.02E-09	3.79E-09	3.34E-10	5.15E-09	1.16E-10	6.65E-10	7.93E-11	8.60E-10	1.06E-10	3.48E-10	2.40E-11	4.78E-10
1993	471373.99	3818834.47	1.25E-09	5.26E-09	4.74E-10	6.98E-09	1.04E-09	3.86E-09	3.40E-10	5.25E-09	1.18E-10	6.77E-10	8.08E-11	8.76E-10	1.07E-10	3.54E-10	2.44E-11	4.86E-10
1994	471381.1	3818852.13	1.30E-09	5.45E-09	4.91E-10	7.24E-09	1.08E-09	4.01E-09	3.53E-10	5.44E-09	1.23E-10	7.02E-10	8.38E-11	9.09E-10	1.11E-10	3.68E-10	2.53E-11	5.04E-10
1995	471384.65	3818860.96	1.32E-09	5.56E-09	5.00E-10	7.38E-09	1.10E-09	4.08E-09	3.59E-10	5.54E-09	1.25E-10	7.15E-10	8.53E-11	9.25E-10	1.14E-10	3.74E-10	2.58E-11	5.14E-10
1996	471388.2	3818869.78	1.35E-09	5.66E-09	5.10E-10	7.52E-09	1.12E-09	4.16E-09	3.66E-10	5.65E-09	1.27E-10	7.28E-10	8.69E-11	9.43E-10	1.16E-10	3.81E-10	2.63E-11	5.23E-10
1997	471391.76	3818878.61	1.37E-09	5.76E-09	5.19E-10	7.65E-09	1.14E-09	4.23E-09	3.72E-10	5.75E-09	1.30E-10	7.42E-10	8.85E-11	9.60E-10	1.18E-10	3.88E-10	2.68E-11	5.33E-10
1998	471395.31	3818887.44	1.40E-09	5.87E-09	5.29E-10	7.80E-09	1.16E-09	4.31E-09	3.79E-10	5.86E-09	1.32E-10	7.56E-10	9.01E-11	9.78E-10	1.20E-10	3.96E-10	2.73E-11	5.43E-10
1999	471398.87	3818896.27	1.42E-09	5.98E-09	5.38E-10	7.94E-09	1.19E-09	4.39E-09	3.86E-10	5.96E-09	1.34E-10	7.69E-10	9.18E-11	9.95E-10	1.22E-10	4.03E-10	2.78E-11	5.53E-10
2000	471402.42	3818905.1	1.45E-09	6.09E-09	5.48E-10	8.08E-09	1.21E-09	4.47E-09	3.93E-10	6.07E-09	1.37E-10	7.83E-10	9.35E-11	1.01E-09	1.24E-10	4.10E-10	2.83E-11	5.63E-10
2001	471405.97	3818913.92	1.48E-09	6.19E-09	5.58E-10	8.23E-09	1.23E-09	4.55E-09	4.00E-10	6.18E-09	1.39E-10	7.97E-10	9.51E-11	1.03E-09	1.27E-10	4.18E-10	2.88E-11	5.73E-10
2002	471409.53	3818922.75	1.50E-09	6.31E-09	5.68E-10	8.38E-09	1.25E-09	4.63E-09	4.08E-10	6.29E-09	1.42E-10	8.12E-10	9.69E-11	1.05E-09	1.29E-10	4.25E-10	2.93E-11	5.83E-10
2003	471413.08	3818931.58	1.53E-09	6.42E-09	5.78E-10	8.52E-09	1.27E-09	4.71E-09	4.15E-10	6.40E-09	1.44E-10	8.26E-10	9.86E-11	1.07E-09	1.31E-10	4.33E-10	2.98E-11	5.93E-10
2004	471420.19	3818949.23	1.58E-09	6.64E-09	5.98E-10	8.82E-09	1.32E-09	4.88E-09	4.29E-10	6.63E-09	1.49E-10	8.55E-10	1.02E-10	1.11E-09	1.36E-10	4.48E-10	3.09E-11	6.14E-10
2005	471423.74	3818958.06	1.61E-09	6.76E-09	6.08E-10	8.97E-09	1.34E-09	4.96E-09	4.37E-10	6.74E-09	1.52E-10	8.70E-10	1.04E-10	1.13E-09	1.38E-10	4.55E-10	3.14E-11	6.25E-10
2006	471427.3	3818966.89	1.64E-09	6.87E-09	6.19E-10	9.13E-09	1.36E-09	5.05E-09	4.44E-10	6.86E-09	1.55E-10	8.85E-10	1.06E-10	1.14E-09	1.40E-10	4.63E-10	3.19E-11	6.36E-10
2007	471430.85	3818975.72	1.66E-09	6.99E-09	6.29E-10	9.28E-09	1.39E-09	5.13E-09	4.52E-10	6.97E-09	1.57E-10	8.99E-10	1.07E-10	1.16E-09	1.43E-10	4.71E-10	3.25E-11	6.46E-10
2008	471434.41	3818984.54	1.69E-09	7.10E-09	6.40E-10	9.43E-09	1.41E-09	5.22E-09	4.59E-10	7.09E-09	1.60E-10	9.14E-10	1.09E-10	1.18E-09	1.45E-10	4.79E-10	3.30E-11	6.57E-10
2009	471437.96	3818993.37	1.72E-09	7.22E-09	6.50E-10	9.59E-09	1.43E-09	5.30E-09	4.67E-10	7.20E-09	1.62E-10	9.29E-10	1.11E-10	1.20E-09	1.48E-10	4.86E-10	3.35E-11	6.68E-10
2010	471441.51	3819002.2	1.75E-09	7.33E-09	6.60E-10	9.74E-09	1.45E-09	5.39E-09	4.74E-10	7.32E-09	1.65E-10	9.44E-10	1.13E-10	1.22E-09	1.50E-10	4.94E-10	3.41E-11	6.78E-10
2011	471445.07	3819011.03	1.77E-09	7.45E-09	6.71E-10	9.89E-09	1.48E-09	5.47E-09	4.81E-10	7.43E-09	1.67E-10	9.59E-10	1.14E-10	1.24E-09	1.52E-10	5.02E-10	3.46E-11	6.89E-10
2012	471448.62	3819019.85	1.80E-09	7.56E-09	6.81E-10	1.00E-08	1.50E-09	5.56E-09	4.89E-10	7.55E-09	1.70E-10	9.74E-10	1.16E-10	1.26E-09	1.55E-10	5.10E-10	3.51E-11	7.00E-10
2013	471452.18	3819028.68	1.83E-09	7.68E-09	6.92E-10	1.02E-08	1.52E-09	5.64E-09	4.96E-10	7.66E-09	1.73E-10	9.88E-10	1.18E-10	1.28E-09	1.57E-10	5.18E-10	3.57E-11	7.10E-10
2014	471462.84	3819055.17	1.91E-09	8.02E-09	7.22E-10	1.07E-08	1.59E-09	5.89E-09	5.18E-10	8.00E-09	1.80E-10	1.03E-09	1.23E-10	1.34E-09	1.64E-10	5.40E-10	3.73E-11	7.42E-10
2015	471466.39	3819063.99	1.94E-09	8.13E-09	7.32E-10	1.08E-08	1.61E-09	5.97E-09	5.25E-10	8.11E-09	1.83E-10	1.05E-09	1.25E-10	1.35E-09	1.66E-10	5.48E-10	3.78E-11	7.52E-10
2016	471469.94	3819072.82	1.96E-09	8.24E-09	7.42E-10	1.09E-08	1.63E-09	6.05E-09	5.32E-10	8.22E-09	1.85E-10	1.06E-09	1.27E-10	1.37E-09	1.68E-10	5.55E-10	3.83E-11	7.62E-10
2017	471473.5	3819081.65	1.99E-09	8.34E-09	7.51E-10	1.11E-08	1.65E-09	6.13E-09	5.39E-10	8.33E-09	1.88E-10	1.07E-09	1.28E-10	1.39E-09	1.71E-10	5.62E-10	3.88E-11	7.72E-10
2018	471477.05	3819090.48	2.01E-09	8.45E-09	7.61E-10	1.12E-08	1.68E-09	6.21E-09	5.46E-10	8.43E-09	1.90E-10	1.09E-09	1.30E-10	1.41E-09	1.73E-10	5.69E-10	3.93E-11	7.81E-10
2019	471480.61	3819099.3	2.04E-09	8.55E-09	7.70E-10	1.14E-08	1.70E-09	6.28E-09	5.53E-10	8.53E-09	1.92E-10	1.10E-09	1.31E-10	1.42E-09	1.75E-10	5.76E-10	3.97E-11	7.91E-10
2020	471484.16	3819108.13	2.06E-09	8.65E-09	7.79E-10	1.15E-08	1.72E-09	6.36E-09	5.59E-10	8.63E-09	1.95E-10	1.11E-09	1.33E-10	1.44E-09	1.77E-10	5.83E-10	4.02E-11	8.00E-10
2021	471487.71	3819116.96	2.08E-09	8.75E-09	7.88E-10	1.16E-08	1.74E-09	6.43E-09	5.66E-10	8.73E-09	1.97E-10	1.13E-09	1.34E-10	1.46E-09	1.79E-10	5.90E-10	4.07E-11	8.09E-10
2022	471491.27	3819125.79	2.11E-09	8.85E-09	7.97E-10	1.17E-08	1.75E-09	6.50E-09	5.72E-10	8.83E-09	1.99E-10	1.14E-09	1.36E-10	1.47E-09	1.81E-10	5.96E-10	4.11E-11	8.18E-10
2023	471494.82	3819134.61	2.13E-09	8.94E-09	8.05E-10	1.19E-08	1.77E-09	6.57E-09	5.78E-10	8.92E-09	2.01E-10	1.15E-09	1.37E-10	1.49E-09	1.83E-10	6.03E-10	4.15E-11	8.27E-10
2024	471501.93	3819152.27	2.17E-09	9.12E-09	8.21E-10	1.21E-08	1.81E-09	6.70E-09	5.89E-10	9.10E-09	2.05E-10	1.17E-09	1.40E-10	1.52E-09	1.86E-10	6.14E-10	4.24E-11	8.43E-10
2025	471505.48	3819161.1	2.19E-09	9.20E-09	8.29E-10	1.22E-08	1.83E-09	6.76E-09	5.95E-10	9.18E-09	2.07E-10	1.18E-09	1.41E-10	1.53E-09	1.88E-10	6.20E-10	4.28E-11	8.51E-10
2026	471509.04	3819169.92	2.21E-09	9.28E-09	8.36E-10	1.23E-08	1.84E-09	6.82E-09	6.00E-10	9.26E-09	2.09E-10	1.20E-09	1.43E-10	1.55E-09	1.90E-10	6.26E-10	4.31E-11	8.59E-10
2027	471512.59	3819178.75	2.23E-09	9.36E-09	8.43E-10	1.24E-08	1.86E-09	6.88E-09	6.05E-10	9.34E-09	2.10E-10	1.21E-09	1.44E-10	1.56E-09	1.91E-10	6.31E-10	4.35E-11	8.66E-10
2028	471516.15	3819187.58	2.25E-09	9.44E-09	8.50E-10	1.25E-08	1.87E-09	6.93E-09	6.10E-10	9.42E-09	2.12E-10	1.21E-09	1.45E-10	1.57E-09	1.93E-10	6.36E-10	4.38E-11	8.73E-10
2029	471519.7	3819196.41	2.26E-09	9.51E-09	8.56E-10	1.26E-08	1.89E-09	6.98E-09	6.14E-10	9.48E-09	2.14E-10	1.22E-09	1.46E-10	1.58E-09	1.94E-10	6.41E-10	4.42E-11	8.79E-10
2030	471523.25	3819205.24	2.28E-09	9.57E-09	8.62E-10	1.27E-08	1.90E-09	7.04E-09	6.19E-10	9.55E-09	2.15E-10	1.23E-09	1.47E-10	1.59E-09	1.96E-10	6.45E-10	4.45E-11	8.86E-10
2031	471526.81	3819214.06	2.30E-09	9.64E-09	8.68E-10	1.28E-08	1.91E-09	7.08E-09	6.23E-10	9.62E-09	2.17E-10	1.24E-09	1.48E-10	1.61E-09	1.97E-10	6.50E-10	4.48E-11	8.91E-10
2032	471530.36	3819222.89	2.31E-09	9.70E-09	8.73E-10	1.29E-08	1.92E-09	7.13E-09	6.27E-10	9.68E-09	2.18E-10	1.25E-09	1.49E-10	1.62E-09	1.98E-10	6.54E-10	4.51E-11	8.97E-10
2033	470184.11	3817977.08	1.53E-09	6.41E-09	5.77E-10	8.51E-09	1.27E-09	4.71E-09	4.14E-10	6.40E-09	1.44E-10	8.25E-10	9.85E-11	1.07E-09	1.31E-10	4.32E-10	2.98E-11	5.93E-10
2034	470174.55	3817976.94	1.54E-09	6.45E-09	5.81E-10	8.56E-09	1.28E-09	4.74E-09	4.17E-10	6.43E-09	1.45E-10	8.30E-10	9.90E-11	1.07E-09	1.32E-10	4.35E-10	3.00E-11	5.96E-10
2035	470164.99	3817976.81	1.54E-09	6.49E-09	5.84E-10	8.61E-09	1.29E-09	4.77E-09	4.19E-10	6.47E-09	1.46E-10	8.35E-10	9.96E-11	1.08E-09	1.33E-10	4.37E-10	3.01E-11	6.00E-10
2036	470155.42	3817976.67	1.55E-09	6.51E-09	5.87E-10	8.65E-09	1.29E-09	4.79E-09	4.21E-10	6.50E-09	1.46E-10	8.39E-10	1.00E-10	1.09E-09	1.33E-10	4.39E-10	3.03E-11	6.03E-10

2037	470145.86	3817976.54	1.56E-09	6.54E-09	5.89E-10	8.68E-09	1.30E-09	4.80E-09	4.23E-10	6.52E-09	1.47E-10	8.42E-10	1.00E-10	1.09E-09	1.34E-10	4.41E-10	3.04E-11	6.05E-10
2038	470136.3	3817976.4	1.56E-09	6.55E-09	5.90E-10	8.71E-09	1.30E-09	4.82E-09	4.24E-10	6.54E-09	1.47E-10	8.44E-10	1.01E-10	1.09E-09	1.34E-10	4.42E-10	3.05E-11	6.06E-10
2039	470126.74	3817976.27	1.56E-09	6.56E-09	5.91E-10	8.71E-09	1.30E-09	4.82E-09	4.24E-10	6.55E-09	1.48E-10	8.45E-10	1.01E-10	1.09E-09	1.34E-10	4.42E-10	3.05E-11	6.07E-10
2040	470370.21	3817928.85	1.09E-09	4.59E-09	4.13E-10	6.10E-09	9.10E-10	3.37E-09	2.97E-10	4.58E-09	1.03E-10	5.91E-10	7.05E-11	7.65E-10	9.38E-11	3.09E-10	2.13E-11	4.25E-10
2041	470378.99	3817932.61	1.08E-09	4.54E-09	4.09E-10	6.03E-09	9.00E-10	3.33E-09	2.93E-10	4.53E-09	1.02E-10	5.84E-10	6.97E-11	7.56E-10	9.28E-11	3.06E-10	2.11E-11	4.20E-10
2042	470387.77	3817936.38	1.07E-09	4.49E-09	4.04E-10	5.96E-09	8.90E-10	3.30E-09	2.90E-10	4.48E-09	1.01E-10	5.78E-10	6.89E-11	7.47E-10	9.17E-11	3.02E-10	2.08E-11	4.15E-10
2043	470396.55	3817940.15	1.06E-09	4.44E-09	4.00E-10	5.90E-09	8.81E-10	3.26E-09	2.87E-10	4.43E-09	9.99E-11	5.72E-10	6.82E-11	7.40E-10	9.08E-11	2.99E-10	2.06E-11	4.11E-10
2044	470405.33	3817943.92	1.05E-09	4.40E-09	3.96E-10	5.85E-09	8.73E-10	3.24E-09	2.85E-10	4.39E-09	9.90E-11	5.67E-10	6.76E-11	7.33E-10	9.00E-11	2.97E-10	2.05E-11	4.07E-10
2045	470414.11	3817947.68	1.04E-09	4.37E-09	3.93E-10	5.80E-09	8.66E-10	3.21E-09	2.82E-10	4.36E-09	9.82E-11	5.62E-10	6.70E-11	7.27E-10	8.92E-11	2.94E-10	2.03E-11	4.04E-10
2046	470422.88	3817951.45	1.03E-09	4.33E-09	3.90E-10	5.76E-09	8.60E-10	3.18E-09	2.80E-10	4.32E-09	9.74E-11	5.58E-10	6.66E-11	7.22E-10	8.86E-11	2.92E-10	2.01E-11	4.01E-10
2047	470431.66	3817955.22	1.03E-09	4.30E-09	3.88E-10	5.72E-09	8.54E-10	3.16E-09	2.78E-10	4.30E-09	9.68E-11	5.54E-10	6.61E-11	7.17E-10	8.80E-11	2.90E-10	2.00E-11	3.98E-10
2048	470440.44	3817958.99	1.02E-09	4.28E-09	3.85E-10	5.68E-09	8.48E-10	3.14E-09	2.76E-10	4.27E-09	9.62E-11	5.50E-10	6.57E-11	7.12E-10	8.74E-11	2.88E-10	1.99E-11	3.95E-10
2049	470449.22	3817962.76	1.01E-09	4.25E-09	3.82E-10	5.64E-09	8.42E-10	3.12E-09	2.75E-10	4.24E-09	9.55E-11	5.47E-10	6.52E-11	7.07E-10	8.68E-11	2.86E-10	1.97E-11	3.93E-10
2050	470458	3817966.52	1.03E-09	4.31E-09	3.88E-10	5.72E-09	8.54E-10	3.17E-09	2.78E-10	4.30E-09	9.69E-11	5.55E-10	6.62E-11	7.18E-10	8.81E-11	2.90E-10	2.00E-11	3.98E-10
2051	470466.78	3817970.29	1.02E-09	4.28E-09	3.85E-10	5.68E-09	8.48E-10	3.14E-09	2.76E-10	4.27E-09	9.62E-11	5.50E-10	6.57E-11	7.12E-10	8.74E-11	2.88E-10	1.99E-11	3.95E-10
2052	470475.56	3817974.06	1.01E-09	4.24E-09	3.82E-10	5.63E-09	8.41E-10	3.12E-09	2.74E-10	4.23E-09	9.54E-11	5.46E-10	6.51E-11	7.06E-10	8.67E-11	2.86E-10	1.97E-11	3.92E-10
2053	470484.33	3817977.83	1.00E-09	4.20E-09	3.79E-10	5.58E-09	8.34E-10	3.09E-09	2.72E-10	4.19E-09	9.45E-11	5.41E-10	6.46E-11	7.00E-10	8.59E-11	2.83E-10	1.95E-11	3.89E-10
2054	470493.11	3817981.6	9.92E-10	4.17E-09	3.75E-10	5.53E-09	8.26E-10	3.06E-09	2.69E-10	4.16E-09	9.37E-11	5.36E-10	6.40E-11	6.94E-10	8.52E-11	2.81E-10	1.94E-11	3.85E-10
2055	470501.89	3817985.36	9.83E-10	4.13E-09	3.72E-10	5.48E-09	8.19E-10	3.03E-09	2.67E-10	4.12E-09	9.28E-11	5.32E-10	6.34E-11	6.88E-10	8.44E-11	2.78E-10	1.92E-11	3.82E-10
2056	470510.67	3817989.13	9.75E-10	4.09E-09	3.69E-10	5.44E-09	8.12E-10	3.01E-09	2.65E-10	4.09E-09	9.21E-11	5.27E-10	6.29E-11	6.82E-10	8.37E-11	2.76E-10	1.90E-11	3.79E-10
2057	470519.45	3817992.9	9.67E-10	4.06E-09	3.66E-10	5.39E-09	8.05E-10	2.98E-09	2.62E-10	4.05E-09	9.13E-11	5.23E-10	6.24E-11	6.76E-10	8.30E-11	2.74E-10	1.89E-11	3.75E-10
2058	470528.23	3817996.67	9.59E-10	4.03E-09	3.63E-10	5.35E-09	7.99E-10	2.96E-09	2.60E-10	4.02E-09	9.06E-11	5.19E-10	6.19E-11	6.71E-10	8.23E-11	2.72E-10	1.87E-11	3.73E-10
2059	470537	3818000.43	9.51E-10	3.99E-09	3.60E-10	5.30E-09	7.92E-10	2.93E-09	2.58E-10	3.98E-09	8.98E-11	5.14E-10	6.13E-11	6.65E-10	8.16E-11	2.69E-10	1.86E-11	3.69E-10
2060	470545.78	3818004.2	9.43E-10	3.96E-09	3.57E-10	5.26E-09	7.85E-10	2.91E-09	2.56E-10	3.95E-09	8.90E-11	5.10E-10	6.08E-11	6.59E-10	8.09E-11	2.67E-10	1.84E-11	3.66E-10
2061	470554.56	3818007.97	9.34E-10	3.92E-09	3.53E-10	5.21E-09	7.78E-10	2.88E-09	2.54E-10	3.92E-09	8.82E-11	5.05E-10	6.03E-11	6.54E-10	8.02E-11	2.65E-10	1.82E-11	3.63E-10
2062	470563.34	3818011.74	9.27E-10	3.89E-09	3.51E-10	5.17E-09	7.72E-10	2.86E-09	2.52E-10	3.88E-09	8.75E-11	5.01E-10	5.98E-11	6.48E-10	7.96E-11	2.62E-10	1.81E-11	3.60E-10
2063	470572.12	3818015.51	9.19E-10	3.86E-09	3.48E-10	5.13E-09	7.66E-10	2.84E-09	2.50E-10	3.85E-09	8.68E-11	4.97E-10	5.93E-11	6.43E-10	7.89E-11	2.60E-10	1.79E-11	3.57E-10
2064	470580.9	3818019.27	9.12E-10	3.83E-09	3.45E-10	5.09E-09	7.59E-10	2.81E-09	2.48E-10	3.82E-09	8.61E-11	4.93E-10	5.88E-11	6.38E-10	7.83E-11	2.58E-10	1.78E-11	3.54E-10
2065	470589.68	3818023.04	9.04E-10	3.80E-09	3.42E-10	5.04E-09	7.53E-10	2.79E-09	2.45E-10	3.79E-09	8.54E-11	4.89E-10	5.83E-11	6.33E-10	7.76E-11	2.56E-10	1.76E-11	3.51E-10
2066	470598.45	3818026.81	8.97E-10	3.77E-09	3.39E-10	5.01E-09	7.48E-10	2.77E-09	2.44E-10	3.76E-09	8.47E-11	4.85E-10	5.79E-11	6.28E-10	7.70E-11	2.54E-10	1.75E-11	3.49E-10
2067	470607.23	3818030.58	8.91E-10	3.74E-09	3.37E-10	4.97E-09	7.42E-10	2.75E-09	2.42E-10	3.73E-09	8.42E-11	4.82E-10	5.75E-11	6.23E-10	7.65E-11	2.52E-10	1.74E-11	3.46E-10
2068	470616.01	3818034.34	8.85E-10	3.72E-09	3.35E-10	4.94E-09	7.37E-10	2.73E-09	2.40E-10	3.71E-09	8.36E-11	4.78E-10	5.71E-11	6.19E-10	7.60E-11	2.51E-10	1.73E-11	3.44E-10
2069	470624.79	3818038.11	8.79E-10	3.69E-09	3.32E-10	4.90E-09	7.32E-10	2.71E-09	2.39E-10	3.68E-09	8.30E-11	4.75E-10	5.67E-11	6.15E-10	7.54E-11	2.49E-10	1.71E-11	3.41E-10
2070	470633.57	3818041.88	8.73E-10	3.67E-09	3.30E-10	4.87E-09	7.27E-10	2.70E-09	2.37E-10	3.66E-09	8.25E-11	4.72E-10	5.63E-11	6.11E-10	7.50E-11	2.47E-10	1.70E-11	3.39E-10
2071	470642.35	3818045.65	8.67E-10	3.64E-09	3.28E-10	4.84E-09	7.22E-10	2.68E-09	2.35E-10	3.63E-09	8.19E-11	4.69E-10	5.59E-11	6.07E-10	7.44E-11	2.45E-10	1.69E-11	3.37E-10
2072	470651.12	3818049.42	8.62E-10	3.62E-09	3.26E-10	4.81E-09	7.18E-10	2.66E-09	2.34E-10	3.61E-09	8.14E-11	4.66E-10	5.56E-11	6.03E-10	7.40E-11	2.44E-10	1.68E-11	3.35E-10
2073	470659.9	3818053.18	8.55E-10	3.59E-09	3.23E-10	4.77E-09	7.12E-10	2.64E-09	2.32E-10	3.58E-09	8.07E-11	4.62E-10	5.51E-11	5.98E-10	7.34E-11	2.42E-10	1.67E-11	3.32E-10
2074	470668.68	3818056.95	8.49E-10	3.56E-09	3.21E-10	4.73E-09	7.07E-10	2.62E-09	2.30E-10	3.56E-09	8.01E-11	4.59E-10	5.47E-11	5.94E-10	7.29E-11	2.40E-10	1.66E-11	3.30E-10
2075	470677.46	3818060.72	8.43E-10	3.54E-09	3.19E-10	4.70E-09	7.02E-10	2.60E-09	2.29E-10	3.53E-09	7.96E-11	4.55E-10	5.43E-11	5.89E-10	7.23E-11	2.38E-10	1.64E-11	3.27E-10
2076	470686.24	3818064.49	8.36E-10	3.51E-09	3.16E-10	4.66E-09	6.97E-10	2.58E-09	2.27E-10	3.50E-09	7.90E-11	4.52E-10	5.39E-11	5.85E-10	7.18E-11	2.37E-10	1.63E-11	3.25E-10
2077	470695.02	3818068.25	8.30E-10	3.49E-09	3.14E-10	4.63E-09	6.91E-10	2.56E-09	2.25E-10	3.48E-09	7.84E-11	4.49E-10	5.35E-11	5.81E-10	7.13E-11	2.35E-10	1.62E-11	3.22E-10
2078	470703.8	3818072.02	8.24E-10	3.46E-09	3.12E-10	4.60E-09	6.86E-10	2.54E-09	2.24E-10	3.45E-09	7.78E-11	4.45E-10	5.31E-11	5.76E-10	7.07E-11	2.33E-10	1.61E-11	3.20E-10
2079	470712.57	3818075.79	8.18E-10	3.43E-09	3.09E-10	4.56E-09	6.81E-10	2.52E-09	2.22E-10	3.43E-09	7.72E-11	4.42E-10	5.28E-11	5.72E-10	7.02E-11	2.31E-10	1.60E-11	3.18E-10
2080	470721.35	3818079.56	8.11E-10	3.41E-09	3.07E-10	4.52E-09	6.75E-10	2.50E-09	2.20E-10	3.40E-09	7.66E-11	4.38E-10	5.23E-11	5.67E-10	6.96E-11	2.30E-10	1.58E-11	3.15E-10
2081	470730.13	3818083.33	8.04E-10	3.38E-09	3.04E-10	4.49E-09	6.70E-10	2.48E-09	2.18E-10	3.37E-09	7.59E-11	4.35E-10	5.19E-11	5.63E-10	6.90E-11	2.28E-10	1.57E-11	3.12E-10
2082	470738.91	3818087.09	7.97E-10	3.35E-09	3.02E-10	4.45E-09	6.64E-10	2.46E-09	2.16E-10	3.34E-09	7.53E-11	4.31E-10	5.14E-11	5.58E-10	6.84E-11	2.26E-10	1.56E-11	3.10E-10
2083	470747.69	3818090.86	7.92E-10	3.33E-09	2.99E-10	4.42E-09	6.59E-10	2.44E-09	2.15E-10	3.32E-09	7.48E-11	4.28E-10	5.11E-11	5.54E-10	6.80E-11	2.24E-10	1.54E-11	3.08E-10
2084	470756.47	3818094.63	7.86E-10	3.30E-09	2.97E-10	4.39E-09	6.55E-10	2.43E-09	2.13E-10	3.29E-09	7.42E-11	4.25E-10	5.07E-11	5.50E-10	6.75E-11	2.23E-10	1.53E-11	3.05E-10
2085	470765.24	3818098.4	7.80E-10	3.28E-09	2.95E-10	4.35E-09	6.50E-10	2.41E-09	2.12E-10	3.27E-09	7.37E-11	4.22E-10	5.03E-11	5.46E-10	6.70E-11	2.21E-10	1.52E-11	3.03E-10
2086	470774.02	3818102.16	7.73E-10	3.25E-09	2.92E-10	4.31E-09	6.44E-10	2.39E-09	2.10E-10	3.24E-09	7.30E-11	4.18E-10	4.99E-11	5.41E-10	6.64E-11	2.19E-10	1.51E-11	3.00E-10
2087	470782.8	3818105.93	7.67E-10	3.22E-09	2.90E-10	4.28E-09	6.39E-10	2.37E-09	2.08E-10	3.21E-09	7.24E-11	4.15E-10	4.95E-11	5.37E-10	6.58E-11	2.17E-10	1.50E-11	2.98E-10

2088	470791.58	3818109.7	7.60E-10	3.19E-09	2.88E-10	4.24E-09	6.33E-10	2.35E-09	2.06E-10	3.19E-09	7.18E-11	4.11E-10	4.90E-11	5.32E-10	6.53E-11	2.15E-10	1.48E-11	2.95E-10
2089	470800.36	3818113.47	7.54E-10	3.17E-09	2.85E-10	4.21E-09	6.28E-10	2.33E-09	2.05E-10	3.16E-09	7.12E-11	4.08E-10	4.86E-11	5.27E-10	6.47E-11	2.13E-10	1.47E-11	2.93E-10
2090	470809.14	3818117.24	7.47E-10	3.14E-09	2.83E-10	4.17E-09	6.22E-10	2.31E-09	2.03E-10	3.13E-09	7.06E-11	4.04E-10	4.82E-11	5.23E-10	6.41E-11	2.11E-10	1.46E-11	2.90E-10
2091	470817.92	3818121	7.41E-10	3.11E-09	2.80E-10	4.13E-09	6.17E-10	2.29E-09	2.01E-10	3.10E-09	7.00E-11	4.01E-10	4.78E-11	5.18E-10	6.36E-11	2.10E-10	1.45E-11	2.88E-10
2092	470826.69	3818124.77	7.34E-10	3.08E-09	2.78E-10	4.09E-09	6.11E-10	2.27E-09	1.99E-10	3.08E-09	6.93E-11	3.97E-10	4.74E-11	5.14E-10	6.30E-11	2.08E-10	1.43E-11	2.85E-10
2093	470835.47	3818128.54	7.28E-10	3.06E-09	2.75E-10	4.06E-09	6.06E-10	2.25E-09	1.98E-10	3.05E-09	6.87E-11	3.94E-10	4.70E-11	5.09E-10	6.25E-11	2.06E-10	1.42E-11	2.83E-10
2094	470844.25	3818132.31	7.21E-10	3.03E-09	2.73E-10	4.02E-09	6.01E-10	2.23E-09	1.96E-10	3.02E-09	6.81E-11	3.90E-10	4.65E-11	5.04E-10	6.19E-11	2.04E-10	1.41E-11	2.80E-10
2095	470853.03	3818136.07	7.14E-10	3.00E-09	2.70E-10	3.98E-09	5.95E-10	2.20E-09	1.94E-10	2.99E-09	6.74E-11	3.86E-10	4.61E-11	5.00E-10	6.13E-11	2.02E-10	1.39E-11	2.77E-10
2096	470861.81	3818139.84	7.08E-10	2.97E-09	2.68E-10	3.95E-09	5.90E-10	2.18E-09	1.92E-10	2.97E-09	6.69E-11	3.83E-10	4.57E-11	4.95E-10	6.08E-11	2.00E-10	1.38E-11	2.75E-10
2097	470870.59	3818143.61	7.01E-10	2.94E-09	2.65E-10	3.91E-09	5.84E-10	2.16E-09	1.90E-10	2.94E-09	6.62E-11	3.79E-10	4.52E-11	4.91E-10	6.02E-11	1.98E-10	1.37E-11	2.72E-10
2098	470879.37	3818147.38	6.94E-10	2.92E-09	2.63E-10	3.87E-09	5.78E-10	2.14E-09	1.88E-10	2.91E-09	6.56E-11	3.75E-10	4.48E-11	4.86E-10	5.96E-11	1.97E-10	1.35E-11	2.70E-10
2099	470888.14	3818151.15	6.87E-10	2.89E-09	2.60E-10	3.83E-09	5.73E-10	2.12E-09	1.87E-10	2.88E-09	6.49E-11	3.72E-10	4.43E-11	4.81E-10	5.90E-11	1.95E-10	1.34E-11	2.67E-10
2100	470896.92	3818154.91	6.81E-10	2.86E-09	2.57E-10	3.80E-09	5.67E-10	2.10E-09	1.85E-10	2.85E-09	6.43E-11	3.68E-10	4.39E-11	4.76E-10	5.84E-11	1.93E-10	1.33E-11	2.64E-10
2101	470905.7	3818158.68	6.74E-10	2.83E-09	2.55E-10	3.76E-09	5.61E-10	2.08E-09	1.83E-10	2.82E-09	6.36E-11	3.64E-10	4.35E-11	4.71E-10	5.78E-11	1.91E-10	1.31E-11	2.62E-10
2102	470914.48	3818162.45	6.66E-10	2.80E-09	2.52E-10	3.72E-09	5.55E-10	2.06E-09	1.81E-10	2.79E-09	6.29E-11	3.60E-10	4.30E-11	4.66E-10	5.72E-11	1.89E-10	1.30E-11	2.59E-10
2103	470923.26	3818166.22	6.59E-10	2.77E-09	2.49E-10	3.68E-09	5.49E-10	2.03E-09	1.79E-10	2.76E-09	6.23E-11	3.56E-10	4.25E-11	4.61E-10	5.66E-11	1.87E-10	1.29E-11	2.56E-10
2104	470932.04	3818169.98	6.52E-10	2.74E-09	2.47E-10	3.64E-09	5.43E-10	2.01E-09	1.77E-10	2.73E-09	6.15E-11	3.52E-10	4.20E-11	4.56E-10	5.60E-11	1.84E-10	1.27E-11	2.53E-10
2105	470940.81	3818173.75	6.44E-10	2.70E-09	2.43E-10	3.59E-09	5.36E-10	1.99E-09	1.75E-10	2.70E-09	6.08E-11	3.48E-10	4.15E-11	4.50E-10	5.52E-11	1.82E-10	1.26E-11	2.50E-10
2106	470949.59	3818177.52	6.35E-10	2.67E-09	2.40E-10	3.54E-09	5.29E-10	1.96E-09	1.72E-10	2.66E-09	6.00E-11	3.43E-10	4.10E-11	4.44E-10	5.45E-11	1.80E-10	1.24E-11	2.47E-10
2107	470958.37	3818181.29	6.28E-10	2.64E-09	2.38E-10	3.51E-09	5.23E-10	1.94E-09	1.71E-10	2.63E-09	5.93E-11	3.40E-10	4.05E-11	4.40E-10	5.40E-11	1.78E-10	1.23E-11	2.44E-10
2108	470967.15	3818185.06	6.22E-10	2.61E-09	2.35E-10	3.47E-09	5.18E-10	1.92E-09	1.69E-10	2.60E-09	5.87E-11	3.36E-10	4.01E-11	4.35E-10	5.34E-11	1.76E-10	1.21E-11	2.41E-10
2109	470975.93	3818188.82	6.15E-10	2.58E-09	2.32E-10	3.43E-09	5.12E-10	1.90E-09	1.67E-10	2.58E-09	5.81E-11	3.32E-10	3.97E-11	4.30E-10	5.28E-11	1.74E-10	1.20E-11	2.39E-10
2110	470984.71	3818192.59	6.09E-10	2.56E-09	2.30E-10	3.39E-09	5.07E-10	1.88E-09	1.65E-10	2.55E-09	5.75E-11	3.29E-10	3.93E-11	4.26E-10	5.22E-11	1.72E-10	1.19E-11	2.36E-10
2111	470993.49	3818196.36	6.02E-10	2.53E-09	2.28E-10	3.36E-09	5.02E-10	1.86E-09	1.64E-10	2.52E-09	5.69E-11	3.26E-10	3.89E-11	4.21E-10	5.17E-11	1.71E-10	1.18E-11	2.34E-10
2112	471002.26	3818200.13	5.97E-10	2.51E-09	2.26E-10	3.33E-09	4.97E-10	1.84E-09	1.62E-10	2.50E-09	5.64E-11	3.23E-10	3.85E-11	4.18E-10	5.12E-11	1.69E-10	1.16E-11	2.32E-10
2113	471011.04	3818203.9	5.91E-10	2.48E-09	2.23E-10	3.29E-09	4.92E-10	1.82E-09	1.60E-10	2.48E-09	5.58E-11	3.19E-10	3.81E-11	4.13E-10	5.07E-11	1.67E-10	1.15E-11	2.29E-10
2114	471019.82	3818207.66	5.85E-10	2.45E-09	2.21E-10	3.26E-09	4.87E-10	1.80E-09	1.59E-10	2.45E-09	5.52E-11	3.16E-10	3.77E-11	4.09E-10	5.02E-11	1.65E-10	1.14E-11	2.27E-10
2115	471028.6	3818211.43	5.78E-10	2.43E-09	2.19E-10	3.23E-09	4.82E-10	1.78E-09	1.57E-10	2.42E-09	5.46E-11	3.13E-10	3.73E-11	4.05E-10	4.97E-11	1.64E-10	1.13E-11	2.25E-10
2116	471037.38	3818215.2	5.72E-10	2.40E-09	2.16E-10	3.19E-09	4.77E-10	1.77E-09	1.55E-10	2.40E-09	5.40E-11	3.09E-10	3.69E-11	4.00E-10	4.91E-11	1.62E-10	1.12E-11	2.22E-10
2117	471046.16	3818218.97	5.67E-10	2.38E-09	2.15E-10	3.16E-09	4.73E-10	1.75E-09	1.54E-10	2.38E-09	5.36E-11	3.07E-10	3.66E-11	3.97E-10	4.87E-11	1.61E-10	1.11E-11	2.20E-10
2118	471054.93	3818222.73	5.63E-10	2.36E-09	2.13E-10	3.14E-09	4.69E-10	1.74E-09	1.53E-10	2.36E-09	5.31E-11	3.04E-10	3.63E-11	3.94E-10	4.83E-11	1.59E-10	1.10E-11	2.19E-10
2119	471063.71	3818226.5	5.57E-10	2.34E-09	2.11E-10	3.11E-09	4.64E-10	1.72E-09	1.51E-10	2.33E-09	5.26E-11	3.01E-10	3.59E-11	3.90E-10	4.78E-11	1.58E-10	1.09E-11	2.16E-10
2120	471072.49	3818230.27	5.52E-10	2.32E-09	2.09E-10	3.08E-09	4.59E-10	1.70E-09	1.50E-10	2.31E-09	5.21E-11	2.98E-10	3.56E-11	3.86E-10	4.74E-11	1.56E-10	1.08E-11	2.14E-10
2121	471107.61	3818245.34	5.32E-10	2.23E-09	2.01E-10	2.97E-09	4.43E-10	1.64E-09	1.44E-10	2.23E-09	5.02E-11	2.87E-10	3.43E-11	3.72E-10	4.56E-11	1.51E-10	1.04E-11	2.07E-10
2122	471116.38	3818249.11	5.27E-10	2.21E-09	1.99E-10	2.94E-09	4.39E-10	1.63E-09	1.43E-10	2.21E-09	4.98E-11	2.85E-10	3.40E-11	3.69E-10	4.52E-11	1.49E-10	1.03E-11	2.05E-10
2123	471125.16	3818252.88	5.23E-10	2.20E-09	1.98E-10	2.92E-09	4.35E-10	1.61E-09	1.42E-10	2.19E-09	4.94E-11	2.83E-10	3.37E-11	3.66E-10	4.49E-11	1.48E-10	1.02E-11	2.03E-10
2124	471133.94	3818256.64	5.19E-10	2.18E-09	1.96E-10	2.89E-09	4.32E-10	1.60E-09	1.41E-10	2.17E-09	4.90E-11	2.80E-10	3.35E-11	3.63E-10	4.45E-11	1.47E-10	1.01E-11	2.01E-10
2125	471142.72	3818260.41	5.15E-10	2.16E-09	1.95E-10	2.87E-09	4.29E-10	1.59E-09	1.40E-10	2.16E-09	4.86E-11	2.78E-10	3.32E-11	3.60E-10	4.42E-11	1.46E-10	1.00E-11	2.00E-10
2126	471151.5	3818264.18	5.10E-10	2.14E-09	1.93E-10	2.85E-09	4.25E-10	1.58E-09	1.39E-10	2.14E-09	4.82E-11	2.76E-10	3.29E-11	3.57E-10	4.38E-11	1.44E-10	9.96E-12	1.98E-10
2127	471160.28	3818267.95	5.07E-10	2.13E-09	1.92E-10	2.83E-09	4.22E-10	1.56E-09	1.38E-10	2.12E-09	4.79E-11	2.74E-10	3.27E-11	3.55E-10	4.35E-11	1.44E-10	9.89E-12	1.97E-10
2128	471169.05	3818271.72	5.04E-10	2.11E-09	1.90E-10	2.81E-09	4.19E-10	1.55E-09	1.37E-10	2.11E-09	4.76E-11	2.72E-10	3.25E-11	3.52E-10	4.32E-11	1.43E-10	9.83E-12	1.96E-10
2129	471177.83	3818275.48	5.00E-10	2.10E-09	1.89E-10	2.79E-09	4.17E-10	1.54E-09	1.36E-10	2.10E-09	4.72E-11	2.70E-10	3.23E-11	3.50E-10	4.29E-11	1.42E-10	9.76E-12	1.94E-10
2130	471186.61	3818279.25	4.97E-10	2.09E-09	1.88E-10	2.77E-09	4.14E-10	1.53E-09	1.35E-10	2.08E-09	4.70E-11	2.69E-10	3.21E-11	3.48E-10	4.27E-11	1.41E-10	9.71E-12	1.93E-10
2131	471195.39	3818283.02	4.95E-10	2.08E-09	1.87E-10	2.76E-09	4.12E-10	1.53E-09	1.34E-10	2.07E-09	4.67E-11	2.67E-10	3.19E-11	3.46E-10	4.25E-11	1.40E-10	9.65E-12	1.92E-10
2132	471204.17	3818286.79	4.92E-10	2.07E-09	1.86E-10	2.74E-09	4.10E-10	1.52E-09	1.34E-10	2.06E-09	4.65E-11	2.66E-10	3.17E-11	3.44E-10	4.22E-11	1.39E-10	9.60E-12	1.91E-10
2133	471212.95	3818290.55	4.89E-10	2.05E-09	1.85E-10	2.73E-09	4.07E-10	1.51E-09	1.33E-10	2.05E-09	4.62E-11	2.64E-10	3.16E-11	3.42E-10	4.20E-11	1.38E-10	9.55E-12	1.90E-10
2134	471221.73	3818294.32	4.87E-10	2.05E-09	1.84E-10	2.72E-09	4.06E-10	1.50E-09	1.32E-10	2.04E-09	4.60E-11	2.63E-10	3.14E-11	3.41E-10	4.18E-11	1.38E-10	9.51E-12	1.89E-10
2135	471230.5	3818298.09	4.85E-10	2.04E-09	1.83E-10	2.71E-09	4.04E-10	1.50E-09	1.32E-10	2.03E-09	4.58E-11	2.62E-10	3.13E-11	3.39E-10	4.16E-11	1.37E-10	9.47E-12	1.88E-10
2136	471242.85	3818310.72	4.87E-10	2.05E-09	1.84E-10	2.72E-09	4.06E-10	1.50E-09	1.32E-10	2.04E-09	4.60E-11	2.63E-10	3.14E-11	3.41E-10	4.18E-11	1.38E-10	9.51E-12	1.89E-10
2137	471246.42	3818319.58	4.91E-10	2.06E-09	1.86E-10	2.74E-09	4.09E-10	1.52E-09	1.33E-10	2.06E-09	4.64E-11	2.66E-10	3.17E-11	3.44E-10	4.22E-11	1.39E-10	9.59E-12	1.91E-10
2138	471249.99	3818328.44	4.95E-10	2.08E-09	1.87E-10	2.76E-09	4.13E-10	1.53E-09	1.34E-10	2.08E-09	4.68E-11	2.68E-10	3.20E-11	3.47E-10	4.25E-11	1.40E-10	9.67E-12	1.92E-10

2139	471253.55	3818337.3	5.00E-10	2.10E-09	1.89E-10	2.79E-09	4.17E-10	1.54E-09	1.36E-10	2.10E-09	4.72E-11	2.70E-10	3.23E-11	3.50E-10	4.29E-11	1.42E-10	9.76E-12	1.94E-10
2140	471257.12	3818346.17	5.05E-10	2.12E-09	1.91E-10	2.82E-09	4.21E-10	1.56E-09	1.37E-10	2.12E-09	4.77E-11	2.73E-10	3.26E-11	3.53E-10	4.34E-11	1.43E-10	9.85E-12	1.96E-10
2141	471260.69	3818355.03	5.10E-10	2.14E-09	1.93E-10	2.84E-09	4.25E-10	1.57E-09	1.38E-10	2.14E-09	4.81E-11	2.76E-10	3.29E-11	3.57E-10	4.38E-11	1.44E-10	9.95E-12	1.98E-10
2142	471264.26	3818363.89	5.15E-10	2.16E-09	1.95E-10	2.87E-09	4.29E-10	1.59E-09	1.40E-10	2.16E-09	4.87E-11	2.79E-10	3.32E-11	3.60E-10	4.42E-11	1.46E-10	1.01E-11	2.00E-10
2143	471267.82	3818372.75	5.21E-10	2.19E-09	1.97E-10	2.90E-09	4.34E-10	1.61E-09	1.41E-10	2.18E-09	4.92E-11	2.82E-10	3.36E-11	3.64E-10	4.47E-11	1.47E-10	1.02E-11	2.02E-10
2144	471271.39	3818381.61	5.26E-10	2.21E-09	1.99E-10	2.94E-09	4.38E-10	1.62E-09	1.43E-10	2.21E-09	4.97E-11	2.84E-10	3.39E-11	3.68E-10	4.52E-11	1.49E-10	1.03E-11	2.04E-10
2145	471274.96	3818390.47	5.32E-10	2.24E-09	2.01E-10	2.97E-09	4.43E-10	1.64E-09	1.45E-10	2.23E-09	5.03E-11	2.88E-10	3.43E-11	3.72E-10	4.57E-11	1.51E-10	1.04E-11	2.07E-10
2146	471278.53	3818399.34	5.39E-10	2.26E-09	2.04E-10	3.00E-09	4.49E-10	1.66E-09	1.46E-10	2.26E-09	5.09E-11	2.91E-10	3.47E-11	3.77E-10	4.62E-11	1.52E-10	1.05E-11	2.09E-10
2147	471282.09	3818408.2	5.45E-10	2.29E-09	2.06E-10	3.04E-09	4.54E-10	1.68E-09	1.48E-10	2.28E-09	5.14E-11	2.94E-10	3.51E-11	3.81E-10	4.68E-11	1.54E-10	1.06E-11	2.12E-10
2148	471285.66	3818417.06	5.52E-10	2.32E-09	2.09E-10	3.08E-09	4.59E-10	1.70E-09	1.50E-10	2.31E-09	5.21E-11	2.98E-10	3.56E-11	3.86E-10	4.74E-11	1.56E-10	1.08E-11	2.14E-10
2149	471289.23	3818425.92	5.58E-10	2.35E-09	2.11E-10	3.12E-09	4.65E-10	1.72E-09	1.52E-10	2.34E-09	5.27E-11	3.02E-10	3.60E-11	3.91E-10	4.79E-11	1.58E-10	1.09E-11	2.17E-10
2150	471314.2	3818487.95	6.15E-10	2.58E-09	2.32E-10	3.43E-09	5.12E-10	1.90E-09	1.67E-10	2.58E-09	5.81E-11	3.32E-10	3.97E-11	4.30E-10	5.28E-11	1.74E-10	1.20E-11	2.39E-10
2151	471317.77	3818496.82	6.24E-10	2.62E-09	2.36E-10	3.48E-09	5.19E-10	1.92E-09	1.69E-10	2.61E-09	5.89E-11	3.37E-10	4.02E-11	4.36E-10	5.35E-11	1.77E-10	1.22E-11	2.42E-10
2152	471321.34	3818505.68	6.33E-10	2.66E-09	2.39E-10	3.53E-09	5.27E-10	1.95E-09	1.72E-10	2.65E-09	5.97E-11	3.42E-10	4.08E-11	4.43E-10	5.43E-11	1.79E-10	1.23E-11	2.46E-10
2153	471324.91	3818514.54	6.42E-10	2.70E-09	2.43E-10	3.58E-09	5.35E-10	1.98E-09	1.74E-10	2.69E-09	6.06E-11	3.47E-10	4.14E-11	4.49E-10	5.51E-11	1.82E-10	1.25E-11	2.49E-10
2154	471328.47	3818523.4	6.52E-10	2.74E-09	2.47E-10	3.64E-09	5.43E-10	2.01E-09	1.77E-10	2.73E-09	6.15E-11	3.52E-10	4.20E-11	4.56E-10	5.60E-11	1.84E-10	1.27E-11	2.53E-10
2155	471332.04	3818532.26	6.61E-10	2.78E-09	2.50E-10	3.69E-09	5.51E-10	2.04E-09	1.80E-10	2.77E-09	6.25E-11	3.58E-10	4.27E-11	4.63E-10	5.68E-11	1.87E-10	1.29E-11	2.57E-10
2156	471335.61	3818541.12	6.72E-10	2.82E-09	2.54E-10	3.75E-09	5.59E-10	2.07E-09	1.82E-10	2.81E-09	6.34E-11	3.63E-10	4.33E-11	4.70E-10	5.77E-11	1.90E-10	1.31E-11	2.61E-10
2157	471339.18	3818549.99	6.82E-10	2.86E-09	2.58E-10	3.80E-09	5.68E-10	2.10E-09	1.85E-10	2.86E-09	6.44E-11	3.69E-10	4.40E-11	4.77E-10	5.85E-11	1.93E-10	1.33E-11	2.65E-10
2158	471342.74	3818558.85	6.93E-10	2.91E-09	2.62E-10	3.87E-09	5.77E-10	2.14E-09	1.88E-10	2.90E-09	6.54E-11	3.75E-10	4.47E-11	4.85E-10	5.95E-11	1.96E-10	1.35E-11	2.69E-10
2159	471346.31	3818567.71	7.04E-10	2.96E-09	2.66E-10	3.93E-09	5.86E-10	2.17E-09	1.91E-10	2.95E-09	6.65E-11	3.81E-10	4.54E-11	4.92E-10	6.04E-11	1.99E-10	1.37E-11	2.73E-10
2160	471349.88	3818576.57	7.15E-10	3.00E-09	2.70E-10	3.99E-09	5.95E-10	2.21E-09	1.94E-10	3.00E-09	6.75E-11	3.86E-10	4.61E-11	5.00E-10	6.14E-11	2.02E-10	1.39E-11	2.78E-10
2161	471353.45	3818585.43	7.26E-10	3.05E-09	2.75E-10	4.05E-09	6.05E-10	2.24E-09	1.97E-10	3.04E-09	6.85E-11	3.92E-10	4.68E-11	5.08E-10	6.23E-11	2.05E-10	1.42E-11	2.82E-10
2162	471357.01	3818594.29	7.38E-10	3.10E-09	2.79E-10	4.11E-09	6.14E-10	2.28E-09	2.00E-10	3.09E-09	6.96E-11	3.99E-10	4.76E-11	5.16E-10	6.33E-11	2.09E-10	1.44E-11	2.86E-10
2163	471360.58	3818603.16	7.50E-10	3.15E-09	2.84E-10	4.18E-09	6.25E-10	2.31E-09	2.04E-10	3.14E-09	7.08E-11	4.05E-10	4.84E-11	5.25E-10	6.44E-11	2.12E-10	1.46E-11	2.91E-10
2164	471364.15	3818612.02	7.62E-10	3.20E-09	2.88E-10	4.25E-09	6.34E-10	2.35E-09	2.07E-10	3.19E-09	7.19E-11	4.12E-10	4.91E-11	5.33E-10	6.54E-11	2.16E-10	1.49E-11	2.96E-10
2165	471367.72	3818620.88	7.74E-10	3.25E-09	2.93E-10	4.32E-09	6.45E-10	2.39E-09	2.10E-10	3.24E-09	7.31E-11	4.18E-10	4.99E-11	5.41E-10	6.64E-11	2.19E-10	1.51E-11	3.01E-10
2166	471371.29	3818629.74	7.87E-10	3.30E-09	2.98E-10	4.39E-09	6.55E-10	2.43E-09	2.14E-10	3.30E-09	7.43E-11	4.25E-10	5.08E-11	5.50E-10	6.76E-11	2.23E-10	1.54E-11	3.06E-10
2167	471374.85	3818638.6	8.00E-10	3.36E-09	3.03E-10	4.46E-09	6.66E-10	2.47E-09	2.17E-10	3.35E-09	7.55E-11	4.32E-10	5.16E-11	5.60E-10	6.87E-11	2.26E-10	1.56E-11	3.11E-10
2168	471378.42	3818647.46	8.13E-10	3.41E-09	3.07E-10	4.53E-09	6.77E-10	2.51E-09	2.21E-10	3.41E-09	7.68E-11	4.40E-10	5.24E-11	5.69E-10	6.98E-11	2.30E-10	1.59E-11	3.16E-10
2169	471381.99	3818656.33	8.27E-10	3.47E-09	3.13E-10	4.61E-09	6.89E-10	2.55E-09	2.24E-10	3.46E-09	7.81E-11	4.47E-10	5.33E-11	5.78E-10	7.10E-11	2.34E-10	1.61E-11	3.21E-10
2170	471385.56	3818665.19	8.40E-10	3.53E-09	3.18E-10	4.69E-09	7.00E-10	2.59E-09	2.28E-10	3.52E-09	7.94E-11	4.54E-10	5.42E-11	5.88E-10	7.22E-11	2.38E-10	1.64E-11	3.26E-10
2171	471389.12	3818674.05	8.55E-10	3.59E-09	3.23E-10	4.77E-09	7.12E-10	2.64E-09	2.32E-10	3.58E-09	8.07E-11	4.62E-10	5.51E-11	5.98E-10	7.34E-11	2.42E-10	1.67E-11	3.32E-10
2172	471392.69	3818682.91	8.69E-10	3.65E-09	3.29E-10	4.85E-09	7.24E-10	2.68E-09	2.36E-10	3.64E-09	8.21E-11	4.70E-10	5.61E-11	6.08E-10	7.46E-11	2.46E-10	1.70E-11	3.38E-10
2173	471396.26	3818691.77	8.84E-10	3.71E-09	3.34E-10	4.93E-09	7.36E-10	2.73E-09	2.40E-10	3.70E-09	8.34E-11	4.78E-10	5.70E-11	6.18E-10	7.59E-11	2.50E-10	1.72E-11	3.43E-10
2174	471399.83	3818700.63	8.99E-10	3.77E-09	3.40E-10	5.01E-09	7.49E-10	2.77E-09	2.44E-10	3.77E-09	8.49E-11	4.86E-10	5.80E-11	6.29E-10	7.72E-11	2.54E-10	1.75E-11	3.49E-10
2175	471403.39	3818709.5	9.14E-10	3.84E-09	3.46E-10	5.10E-09	7.61E-10	2.82E-09	2.48E-10	3.83E-09	8.63E-11	4.94E-10	5.89E-11	6.39E-10	7.85E-11	2.59E-10	1.78E-11	3.55E-10
2176	471406.96	3818718.36	9.30E-10	3.90E-09	3.52E-10	5.19E-09	7.74E-10	2.87E-09	2.52E-10	3.90E-09	8.78E-11	5.03E-10	6.00E-11	6.50E-10	7.98E-11	2.63E-10	1.81E-11	3.61E-10
2177	471410.53	3818727.22	9.46E-10	3.97E-09	3.58E-10	5.28E-09	7.88E-10	2.92E-09	2.57E-10	3.96E-09	8.93E-11	5.11E-10	6.10E-11	6.62E-10	8.12E-11	2.68E-10	1.85E-11	3.67E-10
2178	471414.1	3818736.08	9.63E-10	4.04E-09	3.64E-10	5.37E-09	8.02E-10	2.97E-09	2.61E-10	4.03E-09	9.09E-11	5.20E-10	6.21E-11	6.73E-10	8.26E-11	2.72E-10	1.88E-11	3.74E-10
2179	471417.66	3818744.94	9.79E-10	4.11E-09	3.70E-10	5.46E-09	8.16E-10	3.02E-09	2.66E-10	4.10E-09	9.25E-11	5.29E-10	6.32E-11	6.85E-10	8.40E-11	2.77E-10	1.91E-11	3.80E-10
2180	471421.23	3818753.8	9.96E-10	4.18E-09	3.77E-10	5.56E-09	8.30E-10	3.07E-09	2.70E-10	4.17E-09	9.41E-11	5.39E-10	6.43E-11	6.97E-10	8.55E-11	2.82E-10	1.94E-11	3.87E-10
2181	471424.8	3818762.67	1.01E-09	4.26E-09	3.84E-10	5.66E-09	8.45E-10	3.13E-09	2.75E-10	4.25E-09	9.58E-11	5.48E-10	6.54E-11	7.09E-10	8.71E-11	2.87E-10	1.98E-11	3.94E-10
2182	471428.37	3818771.53	1.03E-09	4.33E-09	3.90E-10	5.76E-09	8.60E-10	3.18E-09	2.80E-10	4.32E-09	9.74E-11	5.58E-10	6.66E-11	7.22E-10	8.86E-11	2.92E-10	2.01E-11	4.01E-10
2183	471431.94	3818780.39	1.05E-09	4.41E-09	3.97E-10	5.86E-09	8.74E-10	3.24E-09	2.85E-10	4.40E-09	9.91E-11	5.67E-10	6.77E-11	7.34E-10	9.01E-11	2.97E-10	2.05E-11	4.08E-10
2184	471435.5	3818789.25	1.07E-09	4.49E-09	4.04E-10	5.96E-09	8.90E-10	3.30E-09	2.90E-10	4.48E-09	1.01E-10	5.78E-10	6.89E-11	7.47E-10	9.17E-11	3.02E-10	2.08E-11	4.15E-10
2185	471439.07	3818798.11	1.09E-09	4.57E-09	4.11E-10	6.07E-09	9.06E-10	3.36E-09	2.95E-10	4.56E-09	1.03E-10	5.88E-10	7.01E-11	7.61E-10	9.34E-11	3.08E-10	2.12E-11	4.22E-10
2186	471442.64	3818806.97	1.11E-09	4.65E-09	4.19E-10	6.17E-09	9.22E-10	3.42E-09	3.00E-10	4.64E-09	1.05E-10	5.98E-10	7.14E-11	7.74E-10	9.50E-11	3.13E-10	2.16E-11	4.30E-10
2187	471446.21	3818815.84	1.13E-09	4.73E-09	4.26E-10	6.28E-09	9.38E-10	3.47E-09	3.06E-10	4.72E-09	1.06E-10	6.09E-10	7.26E-11	7.88E-10	9.67E-11	3.19E-10	2.20E-11	4.37E-10
2188	471449.77	3818824.7	1.15E-09	4.81E-09	4.34E-10	6.39E-09	9.55E-10	3.54E-09	3.11E-10	4.80E-09	1.08E-10	6.20E-10	7.39E-11	8.02E-10	9.84E-11	3.25E-10	2.24E-11	4.45E-10
2189	471453.34	3818833.56	1.17E-09	4.90E-09	4.41E-10	6.51E-09	9.72E-10	3.60E-09	3.17E-10	4.89E-09	1.10E-10	6.31E-10	7.52E-11	8.16E-10	1.00E-10	3.30E-10	2.28E-11	4.53E-10

2190	471460.48	3818851.28	1.21E-09	5.07E-09	4.57E-10	6.74E-09	1.01E-09	3.73E-09	3.28E-10	5.06E-09	1.14E-10	6.53E-10	7.79E-11	8.45E-10	1.04E-10	3.42E-10	2.36E-11	4.69E-10
2191	471464.04	3818860.14	1.23E-09	5.16E-09	4.65E-10	6.86E-09	1.02E-09	3.79E-09	3.34E-10	5.15E-09	1.16E-10	6.65E-10	7.93E-11	8.60E-10	1.06E-10	3.48E-10	2.40E-11	4.78E-10
2192	471467.61	3818869.01	1.25E-09	5.25E-09	4.73E-10	6.98E-09	1.04E-09	3.86E-09	3.40E-10	5.24E-09	1.18E-10	6.76E-10	8.07E-11	8.75E-10	1.07E-10	3.54E-10	2.44E-11	4.86E-10
2193	471471.18	3818877.87	1.27E-09	5.34E-09	4.81E-10	7.10E-09	1.06E-09	3.93E-09	3.45E-10	5.33E-09	1.20E-10	6.88E-10	8.21E-11	8.90E-10	1.09E-10	3.60E-10	2.48E-11	4.94E-10
2194	471474.75	3818886.73	1.29E-09	5.44E-09	4.90E-10	7.22E-09	1.08E-09	4.00E-09	3.51E-10	5.43E-09	1.22E-10	7.00E-10	8.35E-11	9.06E-10	1.11E-10	3.66E-10	2.53E-11	5.03E-10
2195	471478.31	3818895.59	1.32E-09	5.53E-09	4.98E-10	7.35E-09	1.10E-09	4.07E-09	3.58E-10	5.52E-09	1.24E-10	7.12E-10	8.50E-11	9.22E-10	1.13E-10	3.73E-10	2.57E-11	5.12E-10
2196	471481.88	3818904.45	1.34E-09	5.63E-09	5.07E-10	7.47E-09	1.12E-09	4.13E-09	3.64E-10	5.61E-09	1.27E-10	7.24E-10	8.64E-11	9.37E-10	1.15E-10	3.79E-10	2.61E-11	5.20E-10
2197	471485.45	3818913.31	1.36E-09	5.72E-09	5.15E-10	7.60E-09	1.13E-09	4.20E-09	3.70E-10	5.71E-09	1.29E-10	7.37E-10	8.79E-11	9.53E-10	1.17E-10	3.86E-10	2.66E-11	5.29E-10
2198	471489.02	3818922.18	1.39E-09	5.82E-09	5.24E-10	7.73E-09	1.15E-09	4.27E-09	3.76E-10	5.80E-09	1.31E-10	7.49E-10	8.93E-11	9.69E-10	1.19E-10	3.92E-10	2.70E-11	5.38E-10
2199	471492.59	3818931.04	1.41E-09	5.92E-09	5.33E-10	7.86E-09	1.17E-09	4.35E-09	3.82E-10	5.90E-09	1.33E-10	7.61E-10	9.09E-11	9.85E-10	1.21E-10	3.99E-10	2.75E-11	5.47E-10
2200	471499.72	3818948.76	1.46E-09	6.11E-09	5.50E-10	8.12E-09	1.21E-09	4.49E-09	3.95E-10	6.10E-09	1.37E-10	7.87E-10	9.39E-11	1.02E-09	1.25E-10	4.12E-10	2.84E-11	5.65E-10
2201	471503.29	3818957.62	1.48E-09	6.21E-09	5.59E-10	8.25E-09	1.23E-09	4.56E-09	4.01E-10	6.20E-09	1.40E-10	7.99E-10	9.54E-11	1.03E-09	1.27E-10	4.19E-10	2.89E-11	5.74E-10
2202	471506.86	3818966.49	1.50E-09	6.31E-09	5.68E-10	8.38E-09	1.25E-09	4.64E-09	4.08E-10	6.30E-09	1.42E-10	8.12E-10	9.69E-11	1.05E-09	1.29E-10	4.25E-10	2.93E-11	5.84E-10
2203	471510.42	3818975.35	1.53E-09	6.41E-09	5.77E-10	8.51E-09	1.27E-09	4.71E-09	4.14E-10	6.39E-09	1.44E-10	8.25E-10	9.84E-11	1.07E-09	1.31E-10	4.32E-10	2.98E-11	5.93E-10
2204	471513.99	3818984.21	1.55E-09	6.51E-09	5.86E-10	8.64E-09	1.29E-09	4.78E-09	4.21E-10	6.49E-09	1.46E-10	8.38E-10	9.99E-11	1.08E-09	1.33E-10	4.39E-10	3.02E-11	6.02E-10
2205	471517.56	3818993.07	1.57E-09	6.60E-09	5.95E-10	8.77E-09	1.31E-09	4.85E-09	4.27E-10	6.59E-09	1.48E-10	8.50E-10	1.01E-10	1.10E-09	1.35E-10	4.45E-10	3.07E-11	6.11E-10
2206	471521.13	3819001.93	1.60E-09	6.70E-09	6.04E-10	8.91E-09	1.33E-09	4.93E-09	4.33E-10	6.69E-09	1.51E-10	8.63E-10	1.03E-10	1.12E-09	1.37E-10	4.52E-10	3.12E-11	6.20E-10
2207	471524.69	3819010.79	1.62E-09	6.80E-09	6.13E-10	9.04E-09	1.35E-09	5.00E-09	4.40E-10	6.79E-09	1.53E-10	8.76E-10	1.04E-10	1.13E-09	1.39E-10	4.59E-10	3.16E-11	6.29E-10
2208	471528.26	3819019.66	1.64E-09	6.90E-09	6.21E-10	9.17E-09	1.37E-09	5.07E-09	4.46E-10	6.89E-09	1.55E-10	8.88E-10	1.06E-10	1.15E-09	1.41E-10	4.65E-10	3.21E-11	6.38E-10
2209	471531.83	3819028.52	1.67E-09	7.00E-09	6.30E-10	9.29E-09	1.39E-09	5.14E-09	4.52E-10	6.98E-09	1.57E-10	9.01E-10	1.07E-10	1.17E-09	1.43E-10	4.72E-10	3.25E-11	6.47E-10
2210	471542.53	3819055.1	1.73E-09	7.28E-09	6.55E-10	9.67E-09	1.44E-09	5.35E-09	4.70E-10	7.26E-09	1.64E-10	9.37E-10	1.12E-10	1.21E-09	1.49E-10	4.91E-10	3.38E-11	6.73E-10
2211	471546.1	3819063.96	1.76E-09	7.37E-09	6.64E-10	9.79E-09	1.46E-09	5.42E-09	4.77E-10	7.36E-09	1.66E-10	9.49E-10	1.13E-10	1.23E-09	1.51E-10	4.97E-10	3.43E-11	6.82E-10
2212	471549.67	3819072.83	1.78E-09	7.46E-09	6.72E-10	9.91E-09	1.48E-09	5.48E-09	4.82E-10	7.45E-09	1.68E-10	9.61E-10	1.15E-10	1.24E-09	1.53E-10	5.03E-10	3.47E-11	6.90E-10
2213	471553.24	3819081.69	1.80E-09	7.55E-09	6.80E-10	1.00E-08	1.50E-09	5.55E-09	4.88E-10	7.54E-09	1.70E-10	9.73E-10	1.16E-10	1.26E-09	1.54E-10	5.09E-10	3.51E-11	6.99E-10
2214	471556.8	3819090.55	1.82E-09	7.64E-09	6.88E-10	1.02E-08	1.52E-09	5.62E-09	4.94E-10	7.63E-09	1.72E-10	9.84E-10	1.17E-10	1.27E-09	1.56E-10	5.15E-10	3.55E-11	7.07E-10
2215	471560.37	3819099.41	1.84E-09	7.73E-09	6.96E-10	1.03E-08	1.53E-09	5.68E-09	5.00E-10	7.71E-09	1.74E-10	9.95E-10	1.19E-10	1.29E-09	1.58E-10	5.21E-10	3.59E-11	7.15E-10
2216	471563.94	3819108.27	1.86E-09	7.81E-09	7.04E-10	1.04E-08	1.55E-09	5.74E-09	5.05E-10	7.80E-09	1.76E-10	1.01E-09	1.20E-10	1.30E-09	1.60E-10	5.27E-10	3.63E-11	7.23E-10
2217	471567.51	3819117.13	1.88E-09	7.89E-09	7.11E-10	1.05E-08	1.57E-09	5.80E-09	5.10E-10	7.88E-09	1.78E-10	1.02E-09	1.21E-10	1.32E-09	1.61E-10	5.32E-10	3.67E-11	7.30E-10
2218	471571.07	3819126	1.90E-09	7.98E-09	7.18E-10	1.06E-08	1.58E-09	5.86E-09	5.16E-10	7.96E-09	1.79E-10	1.03E-09	1.22E-10	1.33E-09	1.63E-10	5.38E-10	3.71E-11	7.38E-10
2219	471574.64	3819134.86	1.92E-09	8.05E-09	7.25E-10	1.07E-08	1.60E-09	5.92E-09	5.21E-10	8.04E-09	1.81E-10	1.04E-09	1.24E-10	1.34E-09	1.65E-10	5.43E-10	3.74E-11	7.45E-10
2220	471581.78	3819152.58	1.95E-09	8.20E-09	7.38E-10	1.09E-08	1.63E-09	6.03E-09	5.30E-10	8.18E-09	1.84E-10	1.06E-09	1.26E-10	1.37E-09	1.68E-10	5.53E-10	3.81E-11	7.58E-10
2221	471585.34	3819161.44	1.97E-09	8.27E-09	7.45E-10	1.10E-08	1.64E-09	6.08E-09	5.35E-10	8.25E-09	1.86E-10	1.06E-09	1.27E-10	1.38E-09	1.69E-10	5.58E-10	3.84E-11	7.65E-10
2222	471588.91	3819170.3	1.99E-09	8.34E-09	7.51E-10	1.11E-08	1.65E-09	6.13E-09	5.39E-10	8.32E-09	1.88E-10	1.07E-09	1.28E-10	1.39E-09	1.70E-10	5.62E-10	3.87E-11	7.71E-10
2223	471592.48	3819179.17	2.00E-09	8.40E-09	7.57E-10	1.12E-08	1.67E-09	6.18E-09	5.43E-10	8.39E-09	1.89E-10	1.08E-09	1.29E-10	1.40E-09	1.72E-10	5.67E-10	3.91E-11	7.77E-10
2224	471596.05	3819188.03	2.02E-09	8.47E-09	7.62E-10	1.12E-08	1.68E-09	6.22E-09	5.47E-10	8.45E-09	1.90E-10	1.09E-09	1.30E-10	1.41E-09	1.73E-10	5.71E-10	3.93E-11	7.83E-10
2225	471599.61	3819196.89	2.03E-09	8.52E-09	7.68E-10	1.13E-08	1.69E-09	6.26E-09	5.51E-10	8.50E-09	1.92E-10	1.10E-09	1.31E-10	1.42E-09	1.74E-10	5.74E-10	3.96E-11	7.88E-10
2226	471603.18	3819205.75	2.04E-09	8.58E-09	7.72E-10	1.14E-08	1.70E-09	6.30E-09	5.54E-10	8.56E-09	1.93E-10	1.10E-09	1.32E-10	1.43E-09	1.75E-10	5.78E-10	3.99E-11	7.93E-10
2227	471606.75	3819214.61	2.06E-09	8.63E-09	7.77E-10	1.15E-08	1.71E-09	6.34E-09	5.58E-10	8.61E-09	1.94E-10	1.11E-09	1.33E-10	1.44E-09	1.76E-10	5.82E-10	4.01E-11	7.98E-10
2228	471610.32	3819223.47	2.07E-09	8.68E-09	7.82E-10	1.15E-08	1.72E-09	6.38E-09	5.61E-10	8.66E-09	1.95E-10	1.12E-09	1.33E-10	1.45E-09	1.77E-10	5.85E-10	4.03E-11	8.03E-10
2229	470146.99	3817896.54	1.40E-09	5.87E-09	5.28E-10	7.79E-09	1.16E-09	4.31E-09	3.79E-10	5.85E-09	1.32E-10	7.55E-10	9.01E-11	9.77E-10	1.20E-10	3.95E-10	2.73E-11	5.43E-10
2230	470137.43	3817896.41	1.40E-09	5.88E-09	5.30E-10	7.81E-09	1.17E-09	4.32E-09	3.80E-10	5.87E-09	1.32E-10	7.57E-10	9.04E-11	9.80E-10	1.20E-10	3.97E-10	2.73E-11	5.44E-10
2231	470127.87	3817896.27	1.40E-09	5.89E-09	5.31E-10	7.83E-09	1.17E-09	4.33E-09	3.81E-10	5.88E-09	1.32E-10	7.58E-10	9.05E-11	9.81E-10	1.20E-10	3.97E-10	2.74E-11	5.45E-10
2232	470309.85	3817822.46	1.06E-09	4.46E-09	4.01E-10	5.92E-09	8.84E-10	3.28E-09	2.88E-10	4.45E-09	1.00E-10	5.74E-10	6.85E-11	7.42E-10	9.11E-11	3.00E-10	2.07E-11	4.12E-10
2233	470318.58	3817826.21	1.05E-09	4.42E-09	3.98E-10	5.87E-09	8.77E-10	3.25E-09	2.86E-10	4.41E-09	9.94E-11	5.69E-10	6.79E-11	7.36E-10	9.04E-11	2.98E-10	2.05E-11	4.09E-10
2234	470327.31	3817829.95	1.04E-09	4.39E-09	3.95E-10	5.82E-09	8.70E-10	3.22E-09	2.83E-10	4.38E-09	9.86E-11	5.65E-10	6.74E-11	7.30E-10	8.96E-11	2.96E-10	2.04E-11	4.06E-10
2235	470336.04	3817833.7	1.04E-09	4.35E-09	3.92E-10	5.78E-09	8.63E-10	3.20E-09	2.81E-10	4.34E-09	9.78E-11	5.60E-10	6.68E-11	7.25E-10	8.89E-11	2.93E-10	2.02E-11	4.02E-10
2236	470344.77	3817837.45	1.03E-09	4.32E-09	3.89E-10	5.74E-09	8.57E-10	3.18E-09	2.79E-10	4.31E-09	9.72E-11	5.56E-10	6.64E-11	7.20E-10	8.83E-11	2.91E-10	2.01E-11	4.00E-10
2237	470353.5	3817841.2	1.02E-09	4.29E-09	3.87E-10	5.70E-09	8.52E-10	3.15E-09	2.78E-10	4.28E-09	9.65E-11	5.53E-10	6.59E-11	7.15E-10	8.78E-11	2.89E-10	1.99E-11	3.97E-10
2238	470362.24	3817844.94	1.02E-09	4.29E-09	3.87E-10	5.70E-09	8.52E-10	3.15E-09	2.78E-10	4.28E-09	9.65E-11	5.53E-10	6.59E-11	7.15E-10	8.78E-11	2.89E-10	1.99E-11	3.97E-10
2239	470370.97	3817848.69	1.01E-09	4.26E-09	3.84E-10	5.66E-09	8.45E-10	3.13E-09	2.75E-10	4.25E-09	9.58E-11	5.49E-10	6.55E-11	7.10E-10	8.71E-11	2.87E-10	1.98E-11	3.94E-10
2240	470379.7	3817852.44	1.01E-09	4.23E-09	3.81E-10	5.62E-09	8.40E-10	3.11E-09	2.74E-10	4.22E-09	9.52E-11	5.45E-10	6.50E-11	7.05E-10	8.65E-11	2.85E-10	1.97E-11	3.91E-10

2241	470388.43	3817856.19	1.00E-09	4.20E-09	3.78E-10	5.58E-09	8.33E-10	3.09E-09	2.72E-10	4.19E-09	9.45E-11	5.41E-10	6.45E-11	7.00E-10	8.59E-11	2.83E-10	1.95E-11	3.89E-10
2242	470397.16	3817859.93	9.93E-10	4.17E-09	3.75E-10	5.54E-09	8.27E-10	3.06E-09	2.70E-10	4.16E-09	9.37E-11	5.37E-10	6.40E-11	6.94E-10	8.52E-11	2.81E-10	1.94E-11	3.86E-10
2243	470405.89	3817863.68	9.85E-10	4.13E-09	3.72E-10	5.49E-09	8.20E-10	3.04E-09	2.67E-10	4.13E-09	9.30E-11	5.32E-10	6.35E-11	6.89E-10	8.45E-11	2.79E-10	1.92E-11	3.82E-10
2244	470414.62	3817867.43	9.77E-10	4.10E-09	3.69E-10	5.45E-09	8.14E-10	3.01E-09	2.65E-10	4.09E-09	9.23E-11	5.28E-10	6.30E-11	6.83E-10	8.39E-11	2.77E-10	1.91E-11	3.79E-10
2245	470423.35	3817871.18	9.69E-10	4.07E-09	3.67E-10	5.41E-09	8.08E-10	2.99E-09	2.63E-10	4.06E-09	9.15E-11	5.24E-10	6.25E-11	6.78E-10	8.32E-11	2.74E-10	1.89E-11	3.77E-10
2246	470432.09	3817874.93	9.62E-10	4.04E-09	3.64E-10	5.37E-09	8.01E-10	2.97E-09	2.61E-10	4.03E-09	9.08E-11	5.20E-10	6.20E-11	6.73E-10	8.26E-11	2.72E-10	1.88E-11	3.74E-10
2247	470440.82	3817878.67	9.54E-10	4.01E-09	3.61E-10	5.32E-09	7.94E-10	2.94E-09	2.59E-10	4.00E-09	9.01E-11	5.16E-10	6.15E-11	6.67E-10	8.19E-11	2.70E-10	1.86E-11	3.70E-10
2248	470449.55	3817882.42	9.45E-10	3.97E-09	3.57E-10	5.27E-09	7.87E-10	2.92E-09	2.56E-10	3.96E-09	8.92E-11	5.11E-10	6.09E-11	6.61E-10	8.11E-11	2.67E-10	1.84E-11	3.67E-10
2249	470458.28	3817886.17	9.36E-10	3.93E-09	3.54E-10	5.22E-09	7.80E-10	2.89E-09	2.54E-10	3.92E-09	8.84E-11	5.06E-10	6.04E-11	6.55E-10	8.03E-11	2.65E-10	1.83E-11	3.64E-10
2250	470467.01	3817889.92	9.28E-10	3.90E-09	3.51E-10	5.17E-09	7.73E-10	2.86E-09	2.52E-10	3.89E-09	8.76E-11	5.01E-10	5.98E-11	6.49E-10	7.96E-11	2.63E-10	1.81E-11	3.60E-10
2251	470475.74	3817893.66	9.19E-10	3.86E-09	3.48E-10	5.13E-09	7.66E-10	2.84E-09	2.50E-10	3.85E-09	8.68E-11	4.97E-10	5.93E-11	6.43E-10	7.89E-11	2.60E-10	1.79E-11	3.57E-10
2252	470484.47	3817897.41	9.12E-10	3.83E-09	3.45E-10	5.09E-09	7.59E-10	2.81E-09	2.48E-10	3.82E-09	8.61E-11	4.93E-10	5.88E-11	6.38E-10	7.83E-11	2.58E-10	1.78E-11	3.54E-10
2253	470493.21	3817901.16	9.04E-10	3.79E-09	3.42E-10	5.04E-09	7.53E-10	2.79E-09	2.45E-10	3.79E-09	8.53E-11	4.88E-10	5.83E-11	6.32E-10	7.76E-11	2.56E-10	1.76E-11	3.51E-10
2254	470501.94	3817904.91	8.96E-10	3.76E-09	3.39E-10	5.00E-09	7.46E-10	2.77E-09	2.43E-10	3.75E-09	8.46E-11	4.84E-10	5.78E-11	6.27E-10	7.69E-11	2.54E-10	1.75E-11	3.48E-10
2255	470510.67	3817908.65	8.89E-10	3.73E-09	3.36E-10	4.96E-09	7.40E-10	2.74E-09	2.41E-10	3.72E-09	8.39E-11	4.80E-10	5.73E-11	6.22E-10	7.63E-11	2.52E-10	1.73E-11	3.45E-10
2256	470519.4	3817912.4	8.81E-10	3.70E-09	3.33E-10	4.91E-09	7.34E-10	2.72E-09	2.39E-10	3.69E-09	8.32E-11	4.76E-10	5.68E-11	6.16E-10	7.56E-11	2.49E-10	1.72E-11	3.42E-10
2257	470528.13	3817916.15	8.73E-10	3.67E-09	3.30E-10	4.87E-09	7.27E-10	2.70E-09	2.37E-10	3.66E-09	8.25E-11	4.72E-10	5.63E-11	6.11E-10	7.50E-11	2.47E-10	1.70E-11	3.39E-10
2258	470536.86	3817919.9	8.65E-10	3.63E-09	3.27E-10	4.83E-09	7.21E-10	2.67E-09	2.35E-10	3.63E-09	8.17E-11	4.68E-10	5.58E-11	6.05E-10	7.43E-11	2.45E-10	1.69E-11	3.36E-10
2259	470545.59	3817923.64	8.58E-10	3.60E-09	3.24E-10	4.78E-09	7.14E-10	2.65E-09	2.33E-10	3.59E-09	8.10E-11	4.64E-10	5.53E-11	6.00E-10	7.36E-11	2.43E-10	1.67E-11	3.33E-10
2260	470554.32	3817927.39	8.51E-10	3.57E-09	3.22E-10	4.75E-09	7.09E-10	2.63E-09	2.31E-10	3.56E-09	8.03E-11	4.60E-10	5.49E-11	5.95E-10	7.30E-11	2.41E-10	1.66E-11	3.30E-10
2261	470563.06	3817931.14	8.44E-10	3.54E-09	3.19E-10	4.71E-09	7.03E-10	2.60E-09	2.29E-10	3.54E-09	7.97E-11	4.56E-10	5.44E-11	5.90E-10	7.24E-11	2.39E-10	1.65E-11	3.28E-10
2262	470571.79	3817934.89	8.37E-10	3.52E-09	3.17E-10	4.67E-09	6.97E-10	2.58E-09	2.27E-10	3.51E-09	7.90E-11	4.53E-10	5.40E-11	5.86E-10	7.19E-11	2.37E-10	1.63E-11	3.25E-10
2263	470580.52	3817938.63	8.31E-10	3.49E-09	3.14E-10	4.63E-09	6.92E-10	2.56E-09	2.26E-10	3.48E-09	7.85E-11	4.49E-10	5.36E-11	5.81E-10	7.13E-11	2.35E-10	1.62E-11	3.23E-10
2264	470589.25	3817942.38	8.24E-10	3.46E-09	3.12E-10	4.60E-09	6.86E-10	2.54E-09	2.24E-10	3.45E-09	7.78E-11	4.45E-10	5.31E-11	5.76E-10	7.07E-11	2.33E-10	1.61E-11	3.20E-10
2265	470597.98	3817946.13	8.17E-10	3.43E-09	3.09E-10	4.56E-09	6.81E-10	2.52E-09	2.22E-10	3.42E-09	7.72E-11	4.42E-10	5.27E-11	5.72E-10	7.01E-11	2.31E-10	1.59E-11	3.17E-10
2266	470606.71	3817949.88	8.11E-10	3.41E-09	3.07E-10	4.52E-09	6.75E-10	2.50E-09	2.20E-10	3.40E-09	7.66E-11	4.38E-10	5.23E-11	5.67E-10	6.96E-11	2.30E-10	1.58E-11	3.15E-10
2267	470615.44	3817953.62	8.05E-10	3.38E-09	3.04E-10	4.49E-09	6.70E-10	2.48E-09	2.18E-10	3.37E-09	7.60E-11	4.35E-10	5.19E-11	5.63E-10	6.91E-11	2.28E-10	1.57E-11	3.13E-10
2268	470624.18	3817957.37	7.99E-10	3.35E-09	3.02E-10	4.45E-09	6.65E-10	2.46E-09	2.17E-10	3.35E-09	7.54E-11	4.32E-10	5.15E-11	5.59E-10	6.86E-11	2.26E-10	1.56E-11	3.10E-10
2269	470632.91	3817961.12	7.92E-10	3.33E-09	3.00E-10	4.42E-09	6.60E-10	2.45E-09	2.15E-10	3.32E-09	7.48E-11	4.28E-10	5.11E-11	5.54E-10	6.80E-11	2.24E-10	1.55E-11	3.08E-10
2270	470641.64	3817964.87	7.87E-10	3.30E-09	2.98E-10	4.39E-09	6.55E-10	2.43E-09	2.14E-10	3.30E-09	7.43E-11	4.25E-10	5.08E-11	5.50E-10	6.76E-11	2.23E-10	1.54E-11	3.06E-10
2271	470650.37	3817968.61	7.81E-10	3.28E-09	2.96E-10	4.36E-09	6.51E-10	2.41E-09	2.12E-10	3.27E-09	7.38E-11	4.22E-10	5.04E-11	5.47E-10	6.71E-11	2.21E-10	1.52E-11	3.04E-10
2272	470659.1	3817972.36	7.76E-10	3.26E-09	2.93E-10	4.33E-09	6.46E-10	2.39E-09	2.11E-10	3.25E-09	7.33E-11	4.19E-10	5.01E-11	5.43E-10	6.66E-11	2.20E-10	1.51E-11	3.01E-10
2273	470667.83	3817976.11	7.70E-10	3.23E-09	2.91E-10	4.29E-09	6.41E-10	2.38E-09	2.09E-10	3.23E-09	7.27E-11	4.16E-10	4.97E-11	5.39E-10	6.61E-11	2.18E-10	1.50E-11	2.99E-10
2274	470676.56	3817979.86	7.64E-10	3.21E-09	2.89E-10	4.26E-09	6.37E-10	2.36E-09	2.07E-10	3.20E-09	7.22E-11	4.13E-10	4.93E-11	5.35E-10	6.56E-11	2.16E-10	1.49E-11	2.97E-10
2275	470685.29	3817983.6	7.58E-10	3.18E-09	2.87E-10	4.23E-09	6.31E-10	2.34E-09	2.06E-10	3.18E-09	7.16E-11	4.10E-10	4.89E-11	5.30E-10	6.51E-11	2.15E-10	1.48E-11	2.94E-10
2276	470694.03	3817987.35	7.53E-10	3.16E-09	2.85E-10	4.20E-09	6.27E-10	2.32E-09	2.04E-10	3.15E-09	7.11E-11	4.07E-10	4.85E-11	5.27E-10	6.46E-11	2.13E-10	1.47E-11	2.92E-10
2277	470702.76	3817991.1	7.47E-10	3.14E-09	2.83E-10	4.17E-09	6.22E-10	2.31E-09	2.03E-10	3.13E-09	7.06E-11	4.04E-10	4.82E-11	5.23E-10	6.41E-11	2.11E-10	1.46E-11	2.90E-10
2278	470711.49	3817994.85	7.42E-10	3.12E-09	2.81E-10	4.14E-09	6.18E-10	2.29E-09	2.02E-10	3.11E-09	7.01E-11	4.01E-10	4.79E-11	5.19E-10	6.37E-11	2.10E-10	1.45E-11	2.88E-10
2279	470720.22	3817998.6	7.36E-10	3.09E-09	2.78E-10	4.11E-09	6.13E-10	2.27E-09	2.00E-10	3.08E-09	6.95E-11	3.98E-10	4.75E-11	5.15E-10	6.32E-11	2.08E-10	1.44E-11	2.86E-10
2280	470728.95	3818002.34	7.31E-10	3.07E-09	2.76E-10	4.08E-09	6.09E-10	2.25E-09	1.98E-10	3.06E-09	6.90E-11	3.95E-10	4.71E-11	5.11E-10	6.27E-11	2.07E-10	1.43E-11	2.84E-10
2281	470737.68	3818006.09	7.25E-10	3.05E-09	2.74E-10	4.04E-09	6.04E-10	2.24E-09	1.97E-10	3.04E-09	6.85E-11	3.92E-10	4.68E-11	5.07E-10	6.23E-11	2.05E-10	1.42E-11	2.82E-10
2282	470746.41	3818009.84	7.20E-10	3.02E-09	2.72E-10	4.01E-09	5.99E-10	2.22E-09	1.95E-10	3.02E-09	6.80E-11	3.89E-10	4.64E-11	5.03E-10	6.18E-11	2.04E-10	1.40E-11	2.80E-10
2283	470755.15	3818013.59	7.14E-10	3.00E-09	2.70E-10	3.98E-09	5.95E-10	2.20E-09	1.94E-10	2.99E-09	6.74E-11	3.86E-10	4.61E-11	5.00E-10	6.13E-11	2.02E-10	1.39E-11	2.77E-10
2284	470763.88	3818017.33	7.09E-10	2.98E-09	2.68E-10	3.95E-09	5.90E-10	2.19E-09	1.92E-10	2.97E-09	6.69E-11	3.83E-10	4.57E-11	4.96E-10	6.08E-11	2.01E-10	1.38E-11	2.75E-10
2285	470772.61	3818021.08	7.03E-10	2.95E-09	2.66E-10	3.92E-09	5.86E-10	2.17E-09	1.91E-10	2.95E-09	6.64E-11	3.80E-10	4.54E-11	4.92E-10	6.04E-11	1.99E-10	1.37E-11	2.73E-10
2286	470781.34	3818024.83	6.98E-10	2.93E-09	2.64E-10	3.89E-09	5.81E-10	2.15E-09	1.89E-10	2.92E-09	6.59E-11	3.77E-10	4.50E-11	4.88E-10	5.99E-11	1.98E-10	1.36E-11	2.71E-10
2287	470790.07	3818028.58	6.93E-10	2.91E-09	2.62E-10	3.87E-09	5.77E-10	2.14E-09	1.88E-10	2.90E-09	6.54E-11	3.75E-10	4.47E-11	4.85E-10	5.95E-11	1.96E-10	1.35E-11	2.69E-10
2288	470798.8	3818032.32	6.88E-10	2.89E-09	2.60E-10	3.84E-09	5.73E-10	2.12E-09	1.87E-10	2.88E-09	6.50E-11	3.72E-10	4.44E-11	4.81E-10	5.91E-11	1.95E-10	1.34E-11	2.67E-10
2289	470807.53	3818036.07	6.83E-10	2.87E-09	2.58E-10	3.81E-09	5.69E-10	2.11E-09	1.86E-10	2.86E-09	6.45E-11	3.69E-10	4.41E-11	4.78E-10	5.87E-11	1.93E-10	1.33E-11	2.65E-10
2290	470816.26	3818039.82	6.79E-10	2.85E-09	2.57E-10	3.78E-09	5.65E-10	2.09E-09	1.84E-10	2.84E-09	6.41E-11	3.67E-10	4.38E-11	4.75E-10	5.83E-11	1.92E-10	1.32E-11	2.64E-10
2291	470825	3818043.57	6.74E-10	2.83E-09	2.55E-10	3.76E-09	5.61E-10	2.08E-09	1.83E-10	2.82E-09	6.36E-11	3.64E-10	4.35E-11	4.71E-10	5.78E-11	1.91E-10	1.31E-11	2.62E-10

2292	470833.73	3818047.31	6.69E-10	2.81E-09	2.53E-10	3.73E-09	5.57E-10	2.06E-09	1.82E-10	2.80E-09	6.32E-11	3.62E-10	4.31E-11	4.68E-10	5.74E-11	1.89E-10	1.31E-11	2.60E-10
2293	470842.46	3818051.06	6.63E-10	2.79E-09	2.51E-10	3.70E-09	5.53E-10	2.05E-09	1.80E-10	2.78E-09	6.27E-11	3.59E-10	4.28E-11	4.64E-10	5.70E-11	1.88E-10	1.29E-11	2.58E-10
2294	470851.19	3818054.81	6.58E-10	2.76E-09	2.49E-10	3.67E-09	5.48E-10	2.03E-09	1.79E-10	2.76E-09	6.21E-11	3.56E-10	4.24E-11	4.60E-10	5.65E-11	1.86E-10	1.28E-11	2.56E-10
2295	470859.92	3818058.56	6.52E-10	2.74E-09	2.47E-10	3.64E-09	5.43E-10	2.01E-09	1.77E-10	2.73E-09	6.16E-11	3.53E-10	4.21E-11	4.56E-10	5.60E-11	1.85E-10	1.27E-11	2.53E-10
2296	470868.65	3818062.3	6.48E-10	2.72E-09	2.45E-10	3.61E-09	5.39E-10	2.00E-09	1.76E-10	2.71E-09	6.12E-11	3.50E-10	4.18E-11	4.53E-10	5.56E-11	1.83E-10	1.26E-11	2.52E-10
2297	470877.38	3818066.05	6.42E-10	2.70E-09	2.43E-10	3.58E-09	5.35E-10	1.98E-09	1.74E-10	2.69E-09	6.06E-11	3.47E-10	4.14E-11	4.49E-10	5.51E-11	1.82E-10	1.25E-11	2.49E-10
2298	470886.12	3818069.8	6.37E-10	2.67E-09	2.41E-10	3.55E-09	5.30E-10	1.96E-09	1.73E-10	2.67E-09	6.01E-11	3.44E-10	4.11E-11	4.45E-10	5.47E-11	1.80E-10	1.24E-11	2.47E-10
2299	470894.85	3818073.55	6.32E-10	2.65E-09	2.39E-10	3.52E-09	5.26E-10	1.95E-09	1.72E-10	2.65E-09	5.97E-11	3.42E-10	4.08E-11	4.42E-10	5.42E-11	1.79E-10	1.23E-11	2.45E-10
2300	470903.58	3818077.29	6.26E-10	2.63E-09	2.37E-10	3.49E-09	5.22E-10	1.93E-09	1.70E-10	2.62E-09	5.92E-11	3.39E-10	4.04E-11	4.38E-10	5.38E-11	1.77E-10	1.22E-11	2.43E-10
2301	470912.31	3818081.04	6.21E-10	2.61E-09	2.35E-10	3.46E-09	5.17E-10	1.92E-09	1.69E-10	2.60E-09	5.86E-11	3.36E-10	4.01E-11	4.34E-10	5.33E-11	1.76E-10	1.21E-11	2.41E-10
2302	470921.04	3818084.79	6.15E-10	2.58E-09	2.33E-10	3.43E-09	5.13E-10	1.90E-09	1.67E-10	2.58E-09	5.81E-11	3.33E-10	3.97E-11	4.31E-10	5.28E-11	1.74E-10	1.20E-11	2.39E-10
2303	470929.77	3818088.54	6.11E-10	2.56E-09	2.31E-10	3.41E-09	5.09E-10	1.88E-09	1.66E-10	2.56E-09	5.77E-11	3.30E-10	3.94E-11	4.27E-10	5.24E-11	1.73E-10	1.19E-11	2.37E-10
2304	470938.5	3818092.28	6.05E-10	2.54E-09	2.29E-10	3.38E-09	5.04E-10	1.87E-09	1.64E-10	2.54E-09	5.71E-11	3.27E-10	3.90E-11	4.23E-10	5.19E-11	1.71E-10	1.18E-11	2.35E-10
2305	470947.24	3818096.03	6.00E-10	2.52E-09	2.27E-10	3.34E-09	4.99E-10	1.85E-09	1.63E-10	2.51E-09	5.66E-11	3.24E-10	3.87E-11	4.19E-10	5.15E-11	1.70E-10	1.17E-11	2.33E-10
2306	470955.97	3818099.78	5.93E-10	2.49E-09	2.24E-10	3.31E-09	4.94E-10	1.83E-09	1.61E-10	2.49E-09	5.60E-11	3.21E-10	3.83E-11	4.15E-10	5.09E-11	1.68E-10	1.16E-11	2.31E-10
2307	470964.7	3818103.53	5.87E-10	2.47E-09	2.22E-10	3.28E-09	4.89E-10	1.81E-09	1.59E-10	2.46E-09	5.55E-11	3.17E-10	3.79E-11	4.11E-10	5.04E-11	1.66E-10	1.15E-11	2.28E-10
2308	470973.43	3818107.27	5.81E-10	2.44E-09	2.20E-10	3.24E-09	4.84E-10	1.79E-09	1.58E-10	2.44E-09	5.49E-11	3.14E-10	3.75E-11	4.07E-10	4.99E-11	1.64E-10	1.13E-11	2.26E-10
2309	470982.16	3818111.02	5.75E-10	2.41E-09	2.17E-10	3.21E-09	4.79E-10	1.77E-09	1.56E-10	2.41E-09	5.43E-11	3.11E-10	3.71E-11	4.02E-10	4.94E-11	1.63E-10	1.12E-11	2.23E-10
2310	470990.89	3818114.77	5.68E-10	2.39E-09	2.15E-10	3.17E-09	4.73E-10	1.75E-09	1.54E-10	2.38E-09	5.36E-11	3.07E-10	3.66E-11	3.97E-10	4.88E-11	1.61E-10	1.11E-11	2.21E-10
2311	470999.62	3818118.52	5.62E-10	2.36E-09	2.13E-10	3.13E-09	4.68E-10	1.73E-09	1.53E-10	2.35E-09	5.31E-11	3.04E-10	3.62E-11	3.93E-10	4.82E-11	1.59E-10	1.10E-11	2.18E-10
2312	471008.35	3818122.26	5.55E-10	2.33E-09	2.10E-10	3.10E-09	4.62E-10	1.71E-09	1.51E-10	2.33E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.16E-10
2313	471017.09	3818126.01	5.50E-10	2.31E-09	2.08E-10	3.07E-09	4.58E-10	1.70E-09	1.49E-10	2.31E-09	5.20E-11	2.97E-10	3.55E-11	3.85E-10	4.72E-11	1.56E-10	1.07E-11	2.14E-10
2314	471025.82	3818129.76	5.45E-10	2.29E-09	2.06E-10	3.04E-09	4.54E-10	1.68E-09	1.48E-10	2.29E-09	5.15E-11	2.95E-10	3.52E-11	3.82E-10	4.68E-11	1.54E-10	1.06E-11	2.12E-10
2315	471034.55	3818133.51	5.41E-10	2.27E-09	2.04E-10	3.02E-09	4.50E-10	1.67E-09	1.47E-10	2.27E-09	5.11E-11	2.92E-10	3.49E-11	3.78E-10	4.64E-11	1.53E-10	1.05E-11	2.10E-10
2316	471043.28	3818137.26	5.37E-10	2.25E-09	2.03E-10	2.99E-09	4.47E-10	1.66E-09	1.46E-10	2.25E-09	5.07E-11	2.90E-10	3.46E-11	3.75E-10	4.61E-11	1.52E-10	1.05E-11	2.08E-10
2317	471052.01	3818141	5.31E-10	2.23E-09	2.01E-10	2.96E-09	4.42E-10	1.64E-09	1.44E-10	2.23E-09	5.01E-11	2.87E-10	3.43E-11	3.71E-10	4.56E-11	1.50E-10	1.04E-11	2.06E-10
2318	471060.74	3818144.75	5.26E-10	2.21E-09	1.99E-10	2.93E-09	4.38E-10	1.62E-09	1.43E-10	2.20E-09	4.96E-11	2.84E-10	3.39E-11	3.68E-10	4.51E-11	1.49E-10	1.03E-11	2.04E-10
2319	471069.47	3818148.5	5.20E-10	2.18E-09	1.97E-10	2.90E-09	4.33E-10	1.60E-09	1.41E-10	2.18E-09	4.91E-11	2.81E-10	3.35E-11	3.64E-10	4.46E-11	1.47E-10	1.01E-11	2.02E-10
2320	471078.21	3818152.25	5.15E-10	2.16E-09	1.95E-10	2.87E-09	4.29E-10	1.59E-09	1.40E-10	2.16E-09	4.87E-11	2.79E-10	3.32E-11	3.60E-10	4.42E-11	1.46E-10	1.01E-11	2.00E-10
2321	471086.94	3818155.99	5.10E-10	2.14E-09	1.93E-10	2.84E-09	4.25E-10	1.57E-09	1.38E-10	2.14E-09	4.81E-11	2.76E-10	3.29E-11	3.57E-10	4.38E-11	1.44E-10	9.95E-12	1.98E-10
2322	471095.67	3818159.74	5.05E-10	2.12E-09	1.91E-10	2.82E-09	4.21E-10	1.56E-09	1.37E-10	2.12E-09	4.77E-11	2.73E-10	3.26E-11	3.53E-10	4.34E-11	1.43E-10	9.85E-12	1.96E-10
2323	471104.4	3818163.49	5.00E-10	2.10E-09	1.89E-10	2.79E-09	4.17E-10	1.54E-09	1.36E-10	2.10E-09	4.72E-11	2.70E-10	3.23E-11	3.50E-10	4.29E-11	1.42E-10	9.76E-12	1.94E-10
2324	471139.32	3818178.48	4.82E-10	2.02E-09	1.82E-10	2.69E-09	4.01E-10	1.49E-09	1.31E-10	2.02E-09	4.55E-11	2.60E-10	3.11E-11	3.37E-10	4.13E-11	1.36E-10	9.40E-12	1.87E-10
2325	471148.06	3818182.23	4.78E-10	2.01E-09	1.81E-10	2.66E-09	3.98E-10	1.47E-09	1.30E-10	2.00E-09	4.51E-11	2.58E-10	3.08E-11	3.34E-10	4.10E-11	1.35E-10	9.32E-12	1.85E-10
2326	471156.79	3818185.97	4.73E-10	1.99E-09	1.79E-10	2.64E-09	3.94E-10	1.46E-09	1.29E-10	1.98E-09	4.47E-11	2.56E-10	3.05E-11	3.31E-10	4.06E-11	1.34E-10	9.24E-12	1.84E-10
2327	471165.52	3818189.72	4.69E-10	1.97E-09	1.77E-10	2.62E-09	3.91E-10	1.45E-09	1.27E-10	1.97E-09	4.43E-11	2.54E-10	3.03E-11	3.28E-10	4.03E-11	1.33E-10	9.16E-12	1.82E-10
2328	471174.25	3818193.47	4.65E-10	1.95E-09	1.76E-10	2.59E-09	3.87E-10	1.44E-09	1.26E-10	1.95E-09	4.39E-11	2.51E-10	3.00E-11	3.25E-10	3.99E-11	1.32E-10	9.08E-12	1.81E-10
2329	471182.98	3818197.22	4.62E-10	1.94E-09	1.75E-10	2.58E-09	3.85E-10	1.42E-09	1.25E-10	1.93E-09	4.36E-11	2.50E-10	2.98E-11	3.23E-10	3.96E-11	1.31E-10	9.01E-12	1.79E-10
2330	471191.71	3818200.96	4.58E-10	1.92E-09	1.73E-10	2.56E-09	3.82E-10	1.41E-09	1.24E-10	1.92E-09	4.33E-11	2.48E-10	2.96E-11	3.21E-10	3.93E-11	1.30E-10	8.94E-12	1.78E-10
2331	471200.44	3818204.71	4.55E-10	1.91E-09	1.72E-10	2.54E-09	3.79E-10	1.40E-09	1.23E-10	1.91E-09	4.30E-11	2.46E-10	2.93E-11	3.18E-10	3.91E-11	1.29E-10	8.88E-12	1.77E-10
2332	471209.18	3818208.46	4.52E-10	1.90E-09	1.71E-10	2.52E-09	3.77E-10	1.40E-09	1.23E-10	1.89E-09	4.27E-11	2.44E-10	2.92E-11	3.16E-10	3.88E-11	1.28E-10	8.82E-12	1.76E-10
2333	471217.91	3818212.21	4.49E-10	1.88E-09	1.70E-10	2.50E-09	3.74E-10	1.38E-09	1.22E-10	1.88E-09	4.24E-11	2.43E-10	2.89E-11	3.14E-10	3.85E-11	1.27E-10	8.76E-12	1.74E-10
2334	471226.64	3818215.95	4.46E-10	1.87E-09	1.69E-10	2.49E-09	3.71E-10	1.38E-09	1.21E-10	1.87E-09	4.21E-11	2.41E-10	2.88E-11	3.12E-10	3.83E-11	1.26E-10	8.70E-12	1.73E-10
2335	471235.37	3818219.7	4.43E-10	1.86E-09	1.68E-10	2.47E-09	3.69E-10	1.37E-09	1.20E-10	1.86E-09	4.19E-11	2.40E-10	2.86E-11	3.10E-10	3.80E-11	1.25E-10	8.65E-12	1.72E-10
2336	471244.1	3818223.45	4.41E-10	1.85E-09	1.67E-10	2.46E-09	3.67E-10	1.36E-09	1.20E-10	1.85E-09	4.17E-11	2.38E-10	2.85E-11	3.09E-10	3.79E-11	1.25E-10	8.61E-12	1.71E-10
2337	471252.83	3818227.2	4.38E-10	1.84E-09	1.66E-10	2.45E-09	3.65E-10	1.35E-09	1.19E-10	1.84E-09	4.14E-11	2.37E-10	2.83E-11	3.07E-10	3.76E-11	1.24E-10	8.55E-12	1.70E-10
2338	471261.56	3818230.94	4.36E-10	1.83E-09	1.65E-10	2.43E-09	3.63E-10	1.35E-09	1.18E-10	1.83E-09	4.12E-11	2.36E-10	2.81E-11	3.05E-10	3.75E-11	1.24E-10	8.51E-12	1.69E-10
2339	471270.29	3818234.69	4.34E-10	1.82E-09	1.64E-10	2.42E-09	3.62E-10	1.34E-09	1.18E-10	1.82E-09	4.10E-11	2.35E-10	2.80E-11	3.04E-10	3.73E-11	1.23E-10	8.47E-12	1.69E-10
2340	471279.03	3818238.44	4.32E-10	1.82E-09	1.63E-10	2.41E-09	3.60E-10	1.33E-09	1.17E-10	1.81E-09	4.08E-11	2.34E-10	2.79E-11	3.02E-10	3.71E-11	1.22E-10	8.43E-12	1.68E-10
2341	471287.76	3818242.19	4.31E-10	1.81E-09	1.63E-10	2.40E-09	3.59E-10	1.33E-09	1.17E-10	1.81E-09	4.07E-11	2.33E-10	2.78E-11	3.01E-10	3.70E-11	1.22E-10	8.41E-12	1.67E-10
2342	471300.04	3818254.75	4.32E-10	1.82E-09	1.63E-10	2.41E-09	3.60E-10	1.33E-09	1.17E-10	1.81E-09	4.08E-11	2.34E-10	2.79E-11	3.02E-10	3.71E-11	1.22E-10	8.43E-12	1.68E-10

2343	471303.59	3818263.56	4.36E-10	1.83E-09	1.65E-10	2.43E-09	3.63E-10	1.34E-09	1.18E-10	1.83E-09	4.11E-11	2.36E-10	2.81E-11	3.05E-10	3.74E-11	1.23E-10	8.50E-12	1.69E-10
2344	471307.13	3818272.38	4.39E-10	1.84E-09	1.66E-10	2.45E-09	3.66E-10	1.35E-09	1.19E-10	1.84E-09	4.15E-11	2.37E-10	2.83E-11	3.07E-10	3.77E-11	1.24E-10	8.57E-12	1.71E-10
2345	471310.68	3818281.19	4.43E-10	1.86E-09	1.68E-10	2.47E-09	3.69E-10	1.37E-09	1.20E-10	1.86E-09	4.19E-11	2.40E-10	2.86E-11	3.10E-10	3.80E-11	1.25E-10	8.65E-12	1.72E-10
2346	471314.23	3818290.01	4.47E-10	1.88E-09	1.69E-10	2.49E-09	3.72E-10	1.38E-09	1.21E-10	1.87E-09	4.22E-11	2.41E-10	2.88E-11	3.12E-10	3.83E-11	1.26E-10	8.72E-12	1.73E-10
2347	471317.78	3818298.82	4.51E-10	1.89E-09	1.70E-10	2.51E-09	3.75E-10	1.39E-09	1.22E-10	1.89E-09	4.26E-11	2.44E-10	2.91E-11	3.15E-10	3.87E-11	1.28E-10	8.80E-12	1.75E-10
2348	471321.33	3818307.63	4.56E-10	1.91E-09	1.72E-10	2.54E-09	3.79E-10	1.41E-09	1.24E-10	1.91E-09	4.30E-11	2.46E-10	2.94E-11	3.19E-10	3.91E-11	1.29E-10	8.89E-12	1.77E-10
2349	471324.88	3818316.45	4.60E-10	1.93E-09	1.74E-10	2.56E-09	3.83E-10	1.42E-09	1.25E-10	1.93E-09	4.34E-11	2.49E-10	2.97E-11	3.22E-10	3.95E-11	1.30E-10	8.97E-12	1.79E-10
2350	471328.43	3818325.26	4.64E-10	1.95E-09	1.76E-10	2.59E-09	3.87E-10	1.43E-09	1.26E-10	1.95E-09	4.39E-11	2.51E-10	3.00E-11	3.25E-10	3.99E-11	1.31E-10	9.06E-12	1.80E-10
2351	471331.97	3818334.08	4.69E-10	1.97E-09	1.77E-10	2.62E-09	3.91E-10	1.45E-09	1.27E-10	1.97E-09	4.43E-11	2.54E-10	3.03E-11	3.28E-10	4.03E-11	1.33E-10	9.16E-12	1.82E-10
2352	471335.52	3818342.89	4.75E-10	1.99E-09	1.80E-10	2.65E-09	3.95E-10	1.47E-09	1.29E-10	1.99E-09	4.48E-11	2.57E-10	3.06E-11	3.32E-10	4.08E-11	1.34E-10	9.26E-12	1.84E-10
2353	471339.07	3818351.7	4.80E-10	2.01E-09	1.81E-10	2.67E-09	3.99E-10	1.48E-09	1.30E-10	2.01E-09	4.53E-11	2.59E-10	3.09E-11	3.35E-10	4.12E-11	1.36E-10	9.36E-12	1.86E-10
2354	471342.62	3818360.52	4.85E-10	2.04E-09	1.83E-10	2.71E-09	4.04E-10	1.50E-09	1.32E-10	2.03E-09	4.58E-11	2.62E-10	3.13E-11	3.39E-10	4.16E-11	1.37E-10	9.47E-12	1.88E-10
2355	471346.17	3818369.33	4.91E-10	2.06E-09	1.86E-10	2.74E-09	4.09E-10	1.52E-09	1.33E-10	2.06E-09	4.64E-11	2.66E-10	3.17E-11	3.44E-10	4.22E-11	1.39E-10	9.59E-12	1.91E-10
2356	471349.72	3818378.15	4.97E-10	2.09E-09	1.88E-10	2.77E-09	4.14E-10	1.53E-09	1.35E-10	2.08E-09	4.69E-11	2.69E-10	3.20E-11	3.47E-10	4.26E-11	1.41E-10	9.69E-12	1.93E-10
2357	471353.26	3818386.96	5.03E-10	2.11E-09	1.90E-10	2.81E-09	4.19E-10	1.55E-09	1.37E-10	2.11E-09	4.75E-11	2.72E-10	3.24E-11	3.52E-10	4.32E-11	1.42E-10	9.81E-12	1.95E-10
2358	471356.81	3818395.77	5.10E-10	2.14E-09	1.93E-10	2.84E-09	4.25E-10	1.57E-09	1.38E-10	2.14E-09	4.81E-11	2.76E-10	3.29E-11	3.57E-10	4.38E-11	1.44E-10	9.95E-12	1.98E-10
2359	471360.36	3818404.59	5.16E-10	2.17E-09	1.95E-10	2.88E-09	4.30E-10	1.59E-09	1.40E-10	2.16E-09	4.87E-11	2.79E-10	3.33E-11	3.61E-10	4.43E-11	1.46E-10	1.01E-11	2.00E-10
2360	471363.91	3818413.4	5.23E-10	2.20E-09	1.98E-10	2.92E-09	4.35E-10	1.61E-09	1.42E-10	2.19E-09	4.94E-11	2.83E-10	3.37E-11	3.66E-10	4.49E-11	1.48E-10	1.02E-11	2.03E-10
2361	471367.46	3818422.22	5.30E-10	2.22E-09	2.00E-10	2.95E-09	4.41E-10	1.63E-09	1.44E-10	2.22E-09	5.00E-11	2.86E-10	3.42E-11	3.71E-10	4.55E-11	1.50E-10	1.03E-11	2.06E-10
2362	471378.1	3818448.66	5.52E-10	2.32E-09	2.09E-10	3.08E-09	4.59E-10	1.70E-09	1.50E-10	2.31E-09	5.21E-11	2.98E-10	3.56E-11	3.86E-10	4.74E-11	1.56E-10	1.08E-11	2.14E-10
2363	471381.65	3818457.47	5.59E-10	2.35E-09	2.11E-10	3.12E-09	4.66E-10	1.73E-09	1.52E-10	2.34E-09	5.28E-11	3.02E-10	3.61E-11	3.91E-10	4.80E-11	1.58E-10	1.09E-11	2.17E-10
2364	471385.2	3818466.29	5.67E-10	2.38E-09	2.15E-10	3.16E-09	4.73E-10	1.75E-09	1.54E-10	2.38E-09	5.36E-11	3.07E-10	3.66E-11	3.97E-10	4.87E-11	1.61E-10	1.11E-11	2.20E-10
2365	471388.75	3818475.1	5.75E-10	2.41E-09	2.17E-10	3.21E-09	4.79E-10	1.77E-09	1.56E-10	2.41E-09	5.43E-11	3.11E-10	3.71E-11	4.02E-10	4.94E-11	1.63E-10	1.12E-11	2.23E-10
2366	471392.3	3818483.92	5.83E-10	2.45E-09	2.21E-10	3.25E-09	4.86E-10	1.80E-09	1.58E-10	2.44E-09	5.51E-11	3.15E-10	3.76E-11	4.08E-10	5.01E-11	1.65E-10	1.14E-11	2.27E-10
2367	471395.85	3818492.73	5.92E-10	2.49E-09	2.24E-10	3.30E-09	4.93E-10	1.83E-09	1.61E-10	2.48E-09	5.59E-11	3.20E-10	3.82E-11	4.14E-10	5.08E-11	1.68E-10	1.16E-11	2.30E-10
2368	471399.4	3818501.54	6.00E-10	2.52E-09	2.27E-10	3.35E-09	5.00E-10	1.85E-09	1.63E-10	2.52E-09	5.67E-11	3.25E-10	3.87E-11	4.20E-10	5.15E-11	1.70E-10	1.17E-11	2.33E-10
2369	471402.94	3818510.36	6.09E-10	2.56E-09	2.30E-10	3.40E-09	5.07E-10	1.88E-09	1.65E-10	2.55E-09	5.75E-11	3.29E-10	3.93E-11	4.26E-10	5.23E-11	1.72E-10	1.19E-11	2.37E-10
2370	471406.49	3818519.17	6.18E-10	2.60E-09	2.34E-10	3.45E-09	5.15E-10	1.91E-09	1.68E-10	2.59E-09	5.84E-11	3.34E-10	3.99E-11	4.32E-10	5.31E-11	1.75E-10	1.21E-11	2.40E-10
2371	471410.04	3818527.99	6.27E-10	2.63E-09	2.37E-10	3.50E-09	5.22E-10	1.94E-09	1.70E-10	2.63E-09	5.92E-11	3.39E-10	4.04E-11	4.39E-10	5.38E-11	1.78E-10	1.22E-11	2.44E-10
2372	471413.59	3818536.8	6.37E-10	2.67E-09	2.41E-10	3.55E-09	5.30E-10	1.96E-09	1.73E-10	2.67E-09	6.01E-11	3.44E-10	4.11E-11	4.45E-10	5.47E-11	1.80E-10	1.24E-11	2.47E-10
2373	471417.14	3818545.62	6.46E-10	2.71E-09	2.44E-10	3.60E-09	5.38E-10	1.99E-09	1.75E-10	2.71E-09	6.10E-11	3.49E-10	4.17E-11	4.52E-10	5.55E-11	1.83E-10	1.26E-11	2.51E-10
2374	471420.69	3818554.43	6.56E-10	2.75E-09	2.48E-10	3.66E-09	5.46E-10	2.02E-09	1.78E-10	2.75E-09	6.19E-11	3.55E-10	4.23E-11	4.59E-10	5.63E-11	1.86E-10	1.28E-11	2.55E-10
2375	471424.23	3818563.24	6.66E-10	2.79E-09	2.52E-10	3.71E-09	5.54E-10	2.05E-09	1.81E-10	2.79E-09	6.28E-11	3.60E-10	4.29E-11	4.66E-10	5.71E-11	1.88E-10	1.30E-11	2.59E-10
2376	471427.78	3818572.06	6.76E-10	2.84E-09	2.56E-10	3.77E-09	5.63E-10	2.09E-09	1.83E-10	2.83E-09	6.38E-11	3.65E-10	4.36E-11	4.73E-10	5.80E-11	1.91E-10	1.32E-11	2.63E-10
2377	471431.33	3818580.87	6.86E-10	2.88E-09	2.59E-10	3.83E-09	5.71E-10	2.12E-09	1.86E-10	2.87E-09	6.48E-11	3.71E-10	4.43E-11	4.80E-10	5.89E-11	1.94E-10	1.34E-11	2.66E-10
2378	471434.88	3818589.69	6.97E-10	2.93E-09	2.64E-10	3.89E-09	5.81E-10	2.15E-09	1.89E-10	2.92E-09	6.58E-11	3.77E-10	4.50E-11	4.88E-10	5.98E-11	1.97E-10	1.36E-11	2.71E-10
2379	471438.43	3818598.5	7.07E-10	2.97E-09	2.68E-10	3.95E-09	5.89E-10	2.18E-09	1.92E-10	2.96E-09	6.68E-11	3.82E-10	4.56E-11	4.95E-10	6.07E-11	2.00E-10	1.38E-11	2.75E-10
2380	471441.98	3818607.31	7.18E-10	3.02E-09	2.72E-10	4.01E-09	5.98E-10	2.22E-09	1.95E-10	3.01E-09	6.78E-11	3.88E-10	4.63E-11	5.03E-10	6.17E-11	2.03E-10	1.40E-11	2.79E-10
2381	471445.53	3818616.13	7.30E-10	3.07E-09	2.76E-10	4.07E-09	6.08E-10	2.25E-09	1.98E-10	3.06E-09	6.89E-11	3.95E-10	4.71E-11	5.11E-10	6.27E-11	2.07E-10	1.42E-11	2.84E-10
2382	471449.07	3818624.94	7.41E-10	3.11E-09	2.80E-10	4.13E-09	6.17E-10	2.29E-09	2.01E-10	3.10E-09	7.00E-11	4.01E-10	4.78E-11	5.18E-10	6.36E-11	2.10E-10	1.45E-11	2.88E-10
2383	471452.62	3818633.76	7.53E-10	3.16E-09	2.85E-10	4.20E-09	6.27E-10	2.32E-09	2.04E-10	3.15E-09	7.11E-11	4.07E-10	4.85E-11	5.27E-10	6.46E-11	2.13E-10	1.47E-11	2.92E-10
2384	471456.17	3818642.57	7.65E-10	3.21E-09	2.89E-10	4.27E-09	6.37E-10	2.36E-09	2.08E-10	3.21E-09	7.22E-11	4.14E-10	4.93E-11	5.35E-10	6.57E-11	2.17E-10	1.49E-11	2.97E-10
2385	471459.72	3818651.38	7.77E-10	3.26E-09	2.94E-10	4.33E-09	6.47E-10	2.40E-09	2.11E-10	3.25E-09	7.33E-11	4.20E-10	5.01E-11	5.43E-10	6.67E-11	2.20E-10	1.52E-11	3.02E-10
2386	471463.27	3818660.2	7.89E-10	3.31E-09	2.98E-10	4.40E-09	6.57E-10	2.43E-09	2.14E-10	3.31E-09	7.45E-11	4.27E-10	5.09E-11	5.52E-10	6.77E-11	2.23E-10	1.54E-11	3.06E-10
2387	471466.82	3818669.01	8.02E-10	3.37E-09	3.03E-10	4.47E-09	6.68E-10	2.47E-09	2.18E-10	3.36E-09	7.57E-11	4.34E-10	5.17E-11	5.61E-10	6.89E-11	2.27E-10	1.57E-11	3.12E-10
2388	471470.37	3818677.83	8.15E-10	3.42E-09	3.08E-10	4.55E-09	6.79E-10	2.52E-09	2.21E-10	3.42E-09	7.70E-11	4.41E-10	5.26E-11	5.70E-10	7.00E-11	2.31E-10	1.59E-11	3.17E-10
2389	471473.91	3818686.64	8.28E-10	3.48E-09	3.13E-10	4.62E-09	6.90E-10	2.56E-09	2.25E-10	3.47E-09	7.82E-11	4.48E-10	5.34E-11	5.79E-10	7.11E-11	2.34E-10	1.62E-11	3.22E-10
2390	471477.46	3818695.46	8.41E-10	3.53E-09	3.18E-10	4.69E-09	7.01E-10	2.60E-09	2.28E-10	3.52E-09	7.94E-11	4.55E-10	5.43E-11	5.88E-10	7.22E-11	2.38E-10	1.64E-11	3.27E-10
2391	471481.01	3818704.27	8.55E-10	3.59E-09	3.23E-10	4.77E-09	7.12E-10	2.64E-09	2.32E-10	3.58E-09	8.07E-11	4.62E-10	5.51E-11	5.98E-10	7.34E-11	2.42E-10	1.67E-11	3.32E-10
2392	471484.56	3818713.08	8.69E-10	3.65E-09	3.29E-10	4.85E-09	7.24E-10	2.68E-09	2.36E-10	3.64E-09	8.21E-11	4.70E-10	5.61E-11	6.08E-10	7.46E-11	2.46E-10	1.70E-11	3.38E-10
2393	471488.11	3818721.9	8.84E-10	3.71E-09	3.34E-10	4.93E-09	7.36E-10	2.73E-09	2.40E-10	3.70E-09	8.34E-11	4.78E-10	5.70E-11	6.18E-10	7.59E-11	2.50E-10	1.72E-11	3.43E-10

2394	471491.66	3818730.71	8.98E-10	3.77E-09	3.40E-10	5.01E-09	7.48E-10	2.77E-09	2.44E-10	3.76E-09	8.48E-11	4.86E-10	5.79E-11	6.28E-10	7.71E-11	2.54E-10	1.75E-11	3.49E-10
2395	471495.2	3818739.53	9.13E-10	3.84E-09	3.45E-10	5.09E-09	7.61E-10	2.82E-09	2.48E-10	3.83E-09	8.62E-11	4.94E-10	5.89E-11	6.39E-10	7.84E-11	2.58E-10	1.78E-11	3.55E-10
2396	471498.75	3818748.34	9.28E-10	3.90E-09	3.51E-10	5.18E-09	7.73E-10	2.86E-09	2.52E-10	3.89E-09	8.77E-11	5.02E-10	5.99E-11	6.49E-10	7.97E-11	2.63E-10	1.81E-11	3.61E-10
2397	471502.3	3818757.15	9.43E-10	3.96E-09	3.57E-10	5.26E-09	7.86E-10	2.91E-09	2.56E-10	3.95E-09	8.91E-11	5.10E-10	6.08E-11	6.60E-10	8.10E-11	2.67E-10	1.84E-11	3.66E-10
2398	471505.85	3818765.97	9.59E-10	4.03E-09	3.63E-10	5.35E-09	7.99E-10	2.96E-09	2.60E-10	4.02E-09	9.06E-11	5.19E-10	6.19E-11	6.71E-10	8.23E-11	2.72E-10	1.87E-11	3.73E-10
2399	471509.4	3818774.78	9.76E-10	4.10E-09	3.69E-10	5.44E-09	8.13E-10	3.01E-09	2.65E-10	4.09E-09	9.21E-11	5.27E-10	6.29E-11	6.82E-10	8.38E-11	2.76E-10	1.90E-11	3.79E-10
2400	471512.95	3818783.6	9.92E-10	4.17E-09	3.75E-10	5.53E-09	8.26E-10	3.06E-09	2.69E-10	4.16E-09	9.37E-11	5.36E-10	6.40E-11	6.94E-10	8.52E-11	2.81E-10	1.94E-11	3.85E-10
2401	471516.5	3818792.41	1.01E-09	4.24E-09	3.81E-10	5.63E-09	8.40E-10	3.11E-09	2.74E-10	4.23E-09	9.52E-11	5.45E-10	6.51E-11	7.06E-10	8.66E-11	2.85E-10	1.97E-11	3.92E-10
2402	471520.04	3818801.22	1.03E-09	4.31E-09	3.88E-10	5.72E-09	8.54E-10	3.17E-09	2.78E-10	4.30E-09	9.69E-11	5.55E-10	6.62E-11	7.18E-10	8.81E-11	2.90E-10	2.00E-11	3.98E-10
2403	471523.59	3818810.04	1.04E-09	4.38E-09	3.94E-10	5.82E-09	8.69E-10	3.22E-09	2.83E-10	4.37E-09	9.85E-11	5.64E-10	6.73E-11	7.30E-10	8.95E-11	2.95E-10	2.03E-11	4.05E-10
2404	471527.14	3818818.85	1.06E-09	4.45E-09	4.01E-10	5.92E-09	8.84E-10	3.27E-09	2.88E-10	4.44E-09	1.00E-10	5.73E-10	6.84E-11	7.42E-10	9.11E-11	3.00E-10	2.07E-11	4.12E-10
2405	471530.69	3818827.67	1.08E-09	4.53E-09	4.08E-10	6.02E-09	8.98E-10	3.33E-09	2.93E-10	4.52E-09	1.02E-10	5.83E-10	6.96E-11	7.54E-10	9.26E-11	3.05E-10	2.10E-11	4.19E-10
2406	471541.34	3818854.11	1.13E-09	4.76E-09	4.29E-10	6.32E-09	9.44E-10	3.50E-09	3.08E-10	4.75E-09	1.07E-10	6.13E-10	7.31E-11	7.93E-10	9.73E-11	3.21E-10	2.21E-11	4.40E-10
2407	471544.88	3818862.92	1.15E-09	4.84E-09	4.36E-10	6.43E-09	9.60E-10	3.55E-09	3.13E-10	4.83E-09	1.09E-10	6.23E-10	7.43E-11	8.06E-10	9.89E-11	3.26E-10	2.25E-11	4.47E-10
2408	471548.43	3818871.74	1.17E-09	4.92E-09	4.43E-10	6.53E-09	9.76E-10	3.61E-09	3.18E-10	4.91E-09	1.11E-10	6.33E-10	7.55E-11	8.19E-10	1.01E-10	3.32E-10	2.29E-11	4.55E-10
2409	471551.98	3818880.55	1.19E-09	5.00E-09	4.50E-10	6.64E-09	9.92E-10	3.67E-09	3.23E-10	4.99E-09	1.12E-10	6.44E-10	7.68E-11	8.33E-10	1.02E-10	3.37E-10	2.32E-11	4.62E-10
2410	471555.53	3818889.37	1.21E-09	5.08E-09	4.57E-10	6.75E-09	1.01E-09	3.73E-09	3.28E-10	5.07E-09	1.14E-10	6.54E-10	7.80E-11	8.46E-10	1.04E-10	3.42E-10	2.36E-11	4.70E-10
2411	471559.08	3818898.18	1.23E-09	5.16E-09	4.65E-10	6.86E-09	1.02E-09	3.79E-09	3.34E-10	5.15E-09	1.16E-10	6.65E-10	7.93E-11	8.60E-10	1.06E-10	3.48E-10	2.40E-11	4.78E-10
2412	471562.63	3818906.99	1.25E-09	5.24E-09	4.72E-10	6.96E-09	1.04E-09	3.85E-09	3.39E-10	5.23E-09	1.18E-10	6.75E-10	8.05E-11	8.74E-10	1.07E-10	3.53E-10	2.44E-11	4.85E-10
2413	471566.17	3818915.81	1.27E-09	5.33E-09	4.80E-10	7.08E-09	1.06E-09	3.91E-09	3.44E-10	5.32E-09	1.20E-10	6.86E-10	8.18E-11	8.87E-10	1.09E-10	3.59E-10	2.48E-11	4.93E-10
2414	471569.72	3818924.62	1.29E-09	5.41E-09	4.87E-10	7.19E-09	1.07E-09	3.98E-09	3.50E-10	5.40E-09	1.22E-10	6.97E-10	8.31E-11	9.01E-10	1.11E-10	3.65E-10	2.51E-11	5.00E-10
2415	471573.27	3818933.44	1.31E-09	5.50E-09	4.95E-10	7.30E-09	1.09E-09	4.04E-09	3.55E-10	5.49E-09	1.24E-10	7.08E-10	8.44E-11	9.16E-10	1.12E-10	3.71E-10	2.55E-11	5.08E-10
2416	471580.37	3818951.06	1.35E-09	5.66E-09	5.10E-10	7.52E-09	1.12E-09	4.16E-09	3.66E-10	5.65E-09	1.27E-10	7.29E-10	8.70E-11	9.44E-10	1.16E-10	3.82E-10	2.63E-11	5.24E-10
2417	471583.92	3818959.88	1.37E-09	5.75E-09	5.18E-10	7.64E-09	1.14E-09	4.23E-09	3.72E-10	5.74E-09	1.29E-10	7.40E-10	8.83E-11	9.58E-10	1.18E-10	3.88E-10	2.67E-11	5.32E-10
2418	471587.47	3818968.69	1.39E-09	5.83E-09	5.25E-10	7.75E-09	1.16E-09	4.29E-09	3.77E-10	5.82E-09	1.31E-10	7.51E-10	8.96E-11	9.72E-10	1.19E-10	3.93E-10	2.71E-11	5.40E-10
2419	471591.01	3818977.51	1.41E-09	5.92E-09	5.33E-10	7.86E-09	1.17E-09	4.35E-09	3.83E-10	5.91E-09	1.33E-10	7.62E-10	9.09E-11	9.86E-10	1.21E-10	3.99E-10	2.75E-11	5.48E-10
2420	471594.56	3818986.32	1.43E-09	6.00E-09	5.41E-10	7.98E-09	1.19E-09	4.41E-09	3.88E-10	5.99E-09	1.35E-10	7.73E-10	9.22E-11	1.00E-09	1.23E-10	4.05E-10	2.79E-11	5.55E-10
2421	471598.11	3818995.14	1.45E-09	6.09E-09	5.48E-10	8.09E-09	1.21E-09	4.47E-09	3.94E-10	6.07E-09	1.37E-10	7.84E-10	9.35E-11	1.01E-09	1.24E-10	4.10E-10	2.83E-11	5.63E-10
2422	471601.66	3819003.95	1.47E-09	6.17E-09	5.56E-10	8.20E-09	1.22E-09	4.54E-09	3.99E-10	6.16E-09	1.39E-10	7.94E-10	9.48E-11	1.03E-09	1.26E-10	4.16E-10	2.87E-11	5.71E-10
2423	471605.21	3819012.76	1.49E-09	6.26E-09	5.63E-10	8.31E-09	1.24E-09	4.60E-09	4.04E-10	6.24E-09	1.41E-10	8.05E-10	9.61E-11	1.04E-09	1.28E-10	4.22E-10	2.91E-11	5.79E-10
2424	471608.76	3819021.58	1.51E-09	6.34E-09	5.71E-10	8.42E-09	1.26E-09	4.66E-09	4.10E-10	6.32E-09	1.43E-10	8.16E-10	9.74E-11	1.06E-09	1.30E-10	4.27E-10	2.95E-11	5.86E-10
2425	471612.31	3819030.39	1.53E-09	6.42E-09	5.78E-10	8.53E-09	1.27E-09	4.72E-09	4.15E-10	6.41E-09	1.44E-10	8.26E-10	9.86E-11	1.07E-09	1.31E-10	4.33E-10	2.98E-11	5.94E-10
2426	471622.95	3819056.83	1.59E-09	6.66E-09	6.00E-10	8.84E-09	1.32E-09	4.89E-09	4.30E-10	6.64E-09	1.50E-10	8.57E-10	1.02E-10	1.11E-09	1.36E-10	4.49E-10	3.09E-11	6.16E-10
2427	471626.5	3819065.65	1.60E-09	6.74E-09	6.07E-10	8.95E-09	1.34E-09	4.95E-09	4.35E-10	6.72E-09	1.51E-10	8.67E-10	1.03E-10	1.12E-09	1.38E-10	4.54E-10	3.13E-11	6.23E-10
2428	471630.05	3819074.46	1.62E-09	6.81E-09	6.13E-10	9.05E-09	1.35E-09	5.01E-09	4.40E-10	6.80E-09	1.53E-10	8.77E-10	1.05E-10	1.13E-09	1.39E-10	4.59E-10	3.16E-11	6.30E-10
2429	471633.6	3819083.28	1.64E-09	6.89E-09	6.20E-10	9.15E-09	1.37E-09	5.06E-09	4.45E-10	6.87E-09	1.55E-10	8.86E-10	1.06E-10	1.15E-09	1.41E-10	4.64E-10	3.20E-11	6.37E-10
2430	471637.14	3819092.09	1.66E-09	6.96E-09	6.27E-10	9.24E-09	1.38E-09	5.11E-09	4.50E-10	6.94E-09	1.56E-10	8.96E-10	1.07E-10	1.16E-09	1.42E-10	4.69E-10	3.23E-11	6.44E-10
2431	471640.69	3819100.91	1.67E-09	7.03E-09	6.33E-10	9.34E-09	1.39E-09	5.17E-09	4.54E-10	7.01E-09	1.58E-10	9.05E-10	1.08E-10	1.17E-09	1.44E-10	4.74E-10	3.27E-11	6.50E-10
2432	471644.24	3819109.72	1.69E-09	7.10E-09	6.39E-10	9.43E-09	1.41E-09	5.22E-09	4.59E-10	7.08E-09	1.60E-10	9.14E-10	1.09E-10	1.18E-09	1.45E-10	4.79E-10	3.30E-11	6.57E-10
2433	471647.79	3819118.53	1.71E-09	7.17E-09	6.46E-10	9.52E-09	1.42E-09	5.27E-09	4.63E-10	7.15E-09	1.61E-10	9.23E-10	1.10E-10	1.19E-09	1.47E-10	4.83E-10	3.33E-11	6.63E-10
2434	471651.34	3819127.35	1.72E-09	7.23E-09	6.52E-10	9.61E-09	1.44E-09	5.32E-09	4.68E-10	7.22E-09	1.63E-10	9.31E-10	1.11E-10	1.21E-09	1.48E-10	4.88E-10	3.36E-11	6.69E-10
2435	471654.89	3819136.16	1.74E-09	7.30E-09	6.57E-10	9.69E-09	1.45E-09	5.36E-09	4.72E-10	7.28E-09	1.64E-10	9.40E-10	1.12E-10	1.22E-09	1.49E-10	4.92E-10	3.39E-11	6.75E-10
2436	471661.98	3819153.79	1.77E-09	7.42E-09	6.68E-10	9.85E-09	1.47E-09	5.45E-09	4.80E-10	7.40E-09	1.67E-10	9.55E-10	1.14E-10	1.24E-09	1.52E-10	5.00E-10	3.45E-11	6.86E-10
2437	471665.53	3819162.6	1.78E-09	7.48E-09	6.73E-10	9.93E-09	1.48E-09	5.49E-09	4.83E-10	7.46E-09	1.68E-10	9.63E-10	1.15E-10	1.25E-09	1.53E-10	5.04E-10	3.47E-11	6.92E-10
2438	471669.08	3819171.42	1.79E-09	7.53E-09	6.78E-10	1.00E-08	1.49E-09	5.53E-09	4.87E-10	7.52E-09	1.69E-10	9.70E-10	1.16E-10	1.25E-09	1.54E-10	5.08E-10	3.50E-11	6.97E-10
2439	471672.63	3819180.23	1.81E-09	7.59E-09	6.83E-10	1.01E-08	1.50E-09	5.57E-09	4.90E-10	7.57E-09	1.71E-10	9.77E-10	1.17E-10	1.26E-09	1.55E-10	5.11E-10	3.52E-11	7.02E-10
2440	471676.18	3819189.05	1.82E-09	7.64E-09	6.88E-10	1.01E-08	1.51E-09	5.61E-09	4.94E-10	7.62E-09	1.72E-10	9.83E-10	1.17E-10	1.27E-09	1.56E-10	5.15E-10	3.55E-11	7.06E-10
2441	471679.73	3819197.86	1.83E-09	7.68E-09	6.92E-10	1.02E-08	1.52E-09	5.65E-09	4.97E-10	7.67E-09	1.73E-10	9.89E-10	1.18E-10	1.28E-09	1.57E-10	5.18E-10	3.57E-11	7.11E-10
2442	471683.28	3819206.67	1.84E-09	7.73E-09	6.96E-10	1.03E-08	1.53E-09	5.68E-09	5.00E-10	7.71E-09	1.74E-10	9.95E-10	1.19E-10	1.29E-09	1.58E-10	5.21E-10	3.59E-11	7.15E-10
2443	471686.82	3819215.49	1.85E-09	7.77E-09	7.00E-10	1.03E-08	1.54E-09	5.71E-09	5.03E-10	7.76E-09	1.75E-10	1.00E-09	1.19E-10	1.29E-09	1.59E-10	5.24E-10	3.61E-11	7.19E-10
2444	471690.37	3819224.3	1.86E-09	7.81E-09	7.04E-10	1.04E-08	1.55E-09	5.74E-09	5.05E-10	7.80E-09	1.76E-10	1.01E-09	1.20E-10	1.30E-09	1.60E-10	5.27E-10	3.63E-11	7.23E-10

2445	470301.12	3817818.71	1.07E-09	4.49E-09	4.05E-10	5.97E-09	8.92E-10	3.30E-09	2.91E-10	4.48E-09	1.01E-10	5.79E-10	6.90E-11	7.49E-10	9.19E-11	3.03E-10	2.09E-11	4.16E-10
2446	470291.55	3817818.58	1.09E-09	4.56E-09	4.10E-10	6.05E-09	9.04E-10	3.35E-09	2.95E-10	4.55E-09	1.02E-10	5.87E-10	7.00E-11	7.59E-10	9.32E-11	3.07E-10	2.12E-11	4.22E-10
2447	470281.99	3817818.44	1.10E-09	4.62E-09	4.16E-10	6.14E-09	9.17E-10	3.40E-09	2.99E-10	4.61E-09	1.04E-10	5.95E-10	7.10E-11	7.70E-10	9.45E-11	3.12E-10	2.15E-11	4.27E-10
2448	470272.43	3817818.31	1.12E-09	4.69E-09	4.22E-10	6.22E-09	9.29E-10	3.44E-09	3.03E-10	4.67E-09	1.05E-10	6.03E-10	7.20E-11	7.80E-10	9.58E-11	3.16E-10	2.18E-11	4.33E-10
2449	470262.87	3817818.17	1.13E-09	4.75E-09	4.28E-10	6.31E-09	9.42E-10	3.49E-09	3.07E-10	4.74E-09	1.07E-10	6.11E-10	7.29E-11	7.91E-10	9.71E-11	3.20E-10	2.21E-11	4.39E-10
2450	470253.3	3817818.04	1.15E-09	4.81E-09	4.33E-10	6.39E-09	9.54E-10	3.54E-09	3.11E-10	4.80E-09	1.08E-10	6.19E-10	7.39E-11	8.02E-10	9.84E-11	3.24E-10	2.24E-11	4.45E-10
2451	470243.74	3817817.9	1.16E-09	4.88E-09	4.39E-10	6.48E-09	9.67E-10	3.58E-09	3.15E-10	4.86E-09	1.10E-10	6.28E-10	7.49E-11	8.12E-10	9.97E-11	3.29E-10	2.27E-11	4.51E-10
2452	470234.18	3817817.77	1.18E-09	4.94E-09	4.44E-10	6.56E-09	9.79E-10	3.63E-09	3.19E-10	4.92E-09	1.11E-10	6.35E-10	7.58E-11	8.22E-10	1.01E-10	3.33E-10	2.29E-11	4.57E-10
2453	470224.62	3817817.63	1.19E-09	4.99E-09	4.50E-10	6.63E-09	9.90E-10	3.67E-09	3.23E-10	4.98E-09	1.12E-10	6.43E-10	7.67E-11	8.32E-10	1.02E-10	3.37E-10	2.32E-11	4.62E-10
2454	470215.06	3817817.5	1.20E-09	5.05E-09	4.55E-10	6.71E-09	1.00E-09	3.71E-09	3.26E-10	5.04E-09	1.14E-10	6.50E-10	7.76E-11	8.41E-10	1.03E-10	3.40E-10	2.35E-11	4.67E-10
2455	470205.49	3817817.36	1.22E-09	5.10E-09	4.60E-10	6.78E-09	1.01E-09	3.75E-09	3.30E-10	5.09E-09	1.15E-10	6.57E-10	7.84E-11	8.50E-10	1.04E-10	3.44E-10	2.37E-11	4.72E-10
2456	470195.93	3817817.23	1.23E-09	5.15E-09	4.64E-10	6.84E-09	1.02E-09	3.79E-09	3.33E-10	5.14E-09	1.16E-10	6.63E-10	7.91E-11	8.58E-10	1.05E-10	3.47E-10	2.39E-11	4.76E-10
2457	470311.01	3817742.48	9.62E-10	4.04E-09	3.64E-10	5.37E-09	8.01E-10	2.97E-09	2.61E-10	4.03E-09	9.08E-11	5.20E-10	6.20E-11	6.73E-10	8.26E-11	2.72E-10	1.88E-11	3.74E-10
2458	470319.77	3817746.24	9.53E-10	4.00E-09	3.60E-10	5.32E-09	7.94E-10	2.94E-09	2.59E-10	3.99E-09	9.00E-11	5.15E-10	6.15E-11	6.67E-10	8.18E-11	2.70E-10	1.86E-11	3.70E-10
2459	470328.53	3817750	9.45E-10	3.97E-09	3.57E-10	5.27E-09	7.87E-10	2.92E-09	2.56E-10	3.96E-09	8.92E-11	5.11E-10	6.09E-11	6.61E-10	8.11E-11	2.67E-10	1.84E-11	3.67E-10
2460	470337.29	3817753.76	9.37E-10	3.93E-09	3.54E-10	5.22E-09	7.80E-10	2.89E-09	2.54E-10	3.92E-09	8.84E-11	5.06E-10	6.04E-11	6.55E-10	8.04E-11	2.65E-10	1.83E-11	3.64E-10
2461	470346.06	3817757.52	9.29E-10	3.90E-09	3.51E-10	5.18E-09	7.74E-10	2.87E-09	2.52E-10	3.89E-09	8.77E-11	5.02E-10	5.99E-11	6.50E-10	7.98E-11	2.63E-10	1.81E-11	3.61E-10
2462	470354.82	3817761.28	9.21E-10	3.87E-09	3.48E-10	5.14E-09	7.68E-10	2.84E-09	2.50E-10	3.86E-09	8.70E-11	4.98E-10	5.94E-11	6.45E-10	7.91E-11	2.61E-10	1.80E-11	3.58E-10
2463	470363.58	3817765.04	9.15E-10	3.84E-09	3.46E-10	5.10E-09	7.62E-10	2.82E-09	2.48E-10	3.83E-09	8.64E-11	4.94E-10	5.90E-11	6.40E-10	7.85E-11	2.59E-10	1.78E-11	3.55E-10
2464	470372.34	3817768.81	9.08E-10	3.81E-09	3.43E-10	5.06E-09	7.56E-10	2.80E-09	2.46E-10	3.80E-09	8.57E-11	4.91E-10	5.85E-11	6.35E-10	7.79E-11	2.57E-10	1.77E-11	3.53E-10
2465	470381.1	3817772.57	9.01E-10	3.78E-09	3.41E-10	5.02E-09	7.50E-10	2.78E-09	2.45E-10	3.77E-09	8.51E-11	4.87E-10	5.81E-11	6.30E-10	7.73E-11	2.55E-10	1.76E-11	3.50E-10
2466	470389.87	3817776.33	8.94E-10	3.75E-09	3.38E-10	4.99E-09	7.45E-10	2.76E-09	2.43E-10	3.75E-09	8.44E-11	4.83E-10	5.77E-11	6.25E-10	7.67E-11	2.53E-10	1.74E-11	3.47E-10
2467	470398.63	3817780.09	8.99E-10	3.77E-09	3.40E-10	5.01E-09	7.49E-10	2.77E-09	2.44E-10	3.77E-09	8.49E-11	4.86E-10	5.80E-11	6.29E-10	7.72E-11	2.54E-10	1.75E-11	3.49E-10
2468	470407.39	3817783.85	8.93E-10	3.75E-09	3.38E-10	4.98E-09	7.43E-10	2.75E-09	2.42E-10	3.74E-09	8.43E-11	4.83E-10	5.76E-11	6.24E-10	7.66E-11	2.53E-10	1.74E-11	3.47E-10
2469	470416.15	3817787.61	8.85E-10	3.72E-09	3.35E-10	4.94E-09	7.37E-10	2.73E-09	2.40E-10	3.71E-09	8.36E-11	4.78E-10	5.71E-11	6.19E-10	7.60E-11	2.51E-10	1.73E-11	3.44E-10
2470	470424.91	3817791.37	8.77E-10	3.68E-09	3.32E-10	4.89E-09	7.30E-10	2.71E-09	2.38E-10	3.67E-09	8.28E-11	4.74E-10	5.66E-11	6.13E-10	7.53E-11	2.48E-10	1.71E-11	3.41E-10
2471	470433.68	3817795.13	8.69E-10	3.65E-09	3.29E-10	4.85E-09	7.24E-10	2.68E-09	2.36E-10	3.64E-09	8.21E-11	4.70E-10	5.61E-11	6.08E-10	7.46E-11	2.46E-10	1.70E-11	3.38E-10
2472	470442.44	3817798.89	8.62E-10	3.62E-09	3.26E-10	4.81E-09	7.18E-10	2.66E-09	2.34E-10	3.61E-09	8.14E-11	4.66E-10	5.56E-11	6.03E-10	7.40E-11	2.44E-10	1.68E-11	3.35E-10
2473	470451.2	3817802.65	8.55E-10	3.59E-09	3.23E-10	4.77E-09	7.12E-10	2.64E-09	2.32E-10	3.58E-09	8.07E-11	4.62E-10	5.51E-11	5.98E-10	7.34E-11	2.42E-10	1.67E-11	3.32E-10
2474	470459.96	3817806.41	8.47E-10	3.56E-09	3.20E-10	4.73E-09	7.06E-10	2.61E-09	2.30E-10	3.55E-09	8.00E-11	4.58E-10	5.47E-11	5.93E-10	7.27E-11	2.40E-10	1.65E-11	3.29E-10
2475	470468.72	3817810.17	8.40E-10	3.53E-09	3.18E-10	4.68E-09	6.99E-10	2.59E-09	2.28E-10	3.52E-09	7.93E-11	4.54E-10	5.42E-11	5.87E-10	7.21E-11	2.38E-10	1.64E-11	3.26E-10
2476	470477.49	3817813.93	8.32E-10	3.50E-09	3.15E-10	4.64E-09	6.93E-10	2.57E-09	2.26E-10	3.49E-09	7.86E-11	4.50E-10	5.37E-11	5.82E-10	7.14E-11	2.36E-10	1.62E-11	3.23E-10
2477	470486.25	3817817.7	8.25E-10	3.47E-09	3.12E-10	4.60E-09	6.87E-10	2.55E-09	2.24E-10	3.46E-09	7.79E-11	4.46E-10	5.32E-11	5.77E-10	7.09E-11	2.34E-10	1.61E-11	3.21E-10
2478	470495.01	3817821.46	8.19E-10	3.44E-09	3.10E-10	4.57E-09	6.82E-10	2.53E-09	2.22E-10	3.43E-09	7.73E-11	4.42E-10	5.28E-11	5.73E-10	7.03E-11	2.32E-10	1.60E-11	3.18E-10
2479	470503.77	3817825.22	8.12E-10	3.41E-09	3.07E-10	4.53E-09	6.76E-10	2.50E-09	2.20E-10	3.40E-09	7.66E-11	4.39E-10	5.24E-11	5.68E-10	6.97E-11	2.30E-10	1.58E-11	3.15E-10
2480	470512.54	3817828.98	8.05E-10	3.38E-09	3.04E-10	4.49E-09	6.70E-10	2.48E-09	2.18E-10	3.37E-09	7.60E-11	4.35E-10	5.19E-11	5.63E-10	6.91E-11	2.28E-10	1.57E-11	3.13E-10
2481	470521.3	3817832.74	7.98E-10	3.35E-09	3.02E-10	4.45E-09	6.65E-10	2.46E-09	2.17E-10	3.34E-09	7.53E-11	4.31E-10	5.15E-11	5.58E-10	6.85E-11	2.26E-10	1.56E-11	3.10E-10
2482	470530.06	3817836.5	7.92E-10	3.33E-09	2.99E-10	4.42E-09	6.59E-10	2.44E-09	2.15E-10	3.32E-09	7.48E-11	4.28E-10	5.11E-11	5.54E-10	6.80E-11	2.24E-10	1.54E-11	3.08E-10
2483	470538.82	3817840.26	7.85E-10	3.30E-09	2.97E-10	4.38E-09	6.54E-10	2.42E-09	2.13E-10	3.29E-09	7.41E-11	4.24E-10	5.06E-11	5.49E-10	6.74E-11	2.22E-10	1.53E-11	3.05E-10
2484	470547.58	3817844.02	7.79E-10	3.27E-09	2.95E-10	4.34E-09	6.49E-10	2.40E-09	2.11E-10	3.26E-09	7.35E-11	4.21E-10	5.02E-11	5.45E-10	6.69E-11	2.20E-10	1.52E-11	3.02E-10
2485	470556.35	3817847.78	7.73E-10	3.24E-09	2.92E-10	4.31E-09	6.43E-10	2.38E-09	2.10E-10	3.24E-09	7.30E-11	4.18E-10	4.98E-11	5.40E-10	6.63E-11	2.19E-10	1.51E-11	3.00E-10
2486	470565.11	3817851.54	7.66E-10	3.22E-09	2.90E-10	4.27E-09	6.38E-10	2.36E-09	2.08E-10	3.21E-09	7.23E-11	4.14E-10	4.94E-11	5.36E-10	6.57E-11	2.17E-10	1.49E-11	2.97E-10
2487	470573.87	3817855.3	7.60E-10	3.19E-09	2.87E-10	4.24E-09	6.33E-10	2.34E-09	2.06E-10	3.18E-09	7.17E-11	4.11E-10	4.90E-11	5.31E-10	6.52E-11	2.15E-10	1.48E-11	2.95E-10
2488	470582.63	3817859.06	7.53E-10	3.16E-09	2.85E-10	4.20E-09	6.27E-10	2.32E-09	2.04E-10	3.15E-09	7.11E-11	4.07E-10	4.85E-11	5.27E-10	6.46E-11	2.13E-10	1.47E-11	2.92E-10
2489	470591.39	3817862.82	7.47E-10	3.14E-09	2.83E-10	4.17E-09	6.22E-10	2.31E-09	2.03E-10	3.13E-09	7.06E-11	4.04E-10	4.82E-11	5.23E-10	6.41E-11	2.11E-10	1.46E-11	2.90E-10
2490	470600.16	3817866.59	7.42E-10	3.11E-09	2.80E-10	4.14E-09	6.18E-10	2.29E-09	2.01E-10	3.11E-09	7.00E-11	4.01E-10	4.78E-11	5.19E-10	6.37E-11	2.10E-10	1.45E-11	2.88E-10
2491	470608.92	3817870.35	7.36E-10	3.09E-09	2.78E-10	4.11E-09	6.13E-10	2.27E-09	2.00E-10	3.08E-09	6.95E-11	3.98E-10	4.75E-11	5.15E-10	6.32E-11	2.08E-10	1.44E-11	2.86E-10
2492	470617.68	3817874.11	7.31E-10	3.07E-09	2.76E-10	4.08E-09	6.09E-10	2.25E-09	1.98E-10	3.06E-09	6.90E-11	3.95E-10	4.71E-11	5.11E-10	6.27E-11	2.07E-10	1.43E-11	2.84E-10
2493	470626.44	3817877.87	7.25E-10	3.05E-09	2.74E-10	4.04E-09	6.04E-10	2.24E-09	1.97E-10	3.04E-09	6.85E-11	3.92E-10	4.68E-11	5.07E-10	6.23E-11	2.05E-10	1.42E-11	2.82E-10
2494	470635.2	3817881.63	7.19E-10	3.02E-09	2.72E-10	4.01E-09	5.99E-10	2.22E-09	1.95E-10	3.01E-09	6.79E-11	3.89E-10	4.64E-11	5.03E-10	6.17E-11	2.04E-10	1.40E-11	2.79E-10
2495	470643.97	3817885.39	7.14E-10	3.00E-09	2.70E-10	3.98E-09	5.94E-10	2.20E-09	1.94E-10	2.99E-09	6.74E-11	3.86E-10	4.60E-11	4.99E-10	6.13E-11	2.02E-10	1.39E-11	2.77E-10

2496	470652.73	3817889.15	7.08E-10	2.97E-09	2.68E-10	3.95E-09	5.90E-10	2.18E-09	1.92E-10	2.97E-09	6.69E-11	3.83E-10	4.57E-11	4.95E-10	6.08E-11	2.00E-10	1.38E-11	2.75E-10
2497	470661.49	3817892.91	7.03E-10	2.95E-09	2.66E-10	3.92E-09	5.85E-10	2.17E-09	1.91E-10	2.94E-09	6.63E-11	3.80E-10	4.53E-11	4.91E-10	6.03E-11	1.99E-10	1.37E-11	2.73E-10
2498	470670.25	3817896.67	6.98E-10	2.93E-09	2.64E-10	3.89E-09	5.81E-10	2.15E-09	1.89E-10	2.92E-09	6.59E-11	3.77E-10	4.50E-11	4.88E-10	5.99E-11	1.98E-10	1.36E-11	2.71E-10
2499	470679.01	3817900.43	6.92E-10	2.91E-09	2.62E-10	3.86E-09	5.77E-10	2.14E-09	1.88E-10	2.90E-09	6.54E-11	3.74E-10	4.47E-11	4.84E-10	5.94E-11	1.96E-10	1.35E-11	2.69E-10
2500	470687.78	3817904.19	6.87E-10	2.89E-09	2.60E-10	3.83E-09	5.73E-10	2.12E-09	1.87E-10	2.88E-09	6.49E-11	3.72E-10	4.43E-11	4.81E-10	5.90E-11	1.95E-10	1.34E-11	2.67E-10
2501	470696.54	3817907.95	6.83E-10	2.87E-09	2.58E-10	3.81E-09	5.69E-10	2.11E-09	1.86E-10	2.86E-09	6.45E-11	3.69E-10	4.41E-11	4.78E-10	5.87E-11	1.93E-10	1.33E-11	2.65E-10
2502	470705.3	3817911.71	6.79E-10	2.85E-09	2.57E-10	3.79E-09	5.66E-10	2.10E-09	1.84E-10	2.85E-09	6.41E-11	3.67E-10	4.38E-11	4.75E-10	5.83E-11	1.92E-10	1.33E-11	2.64E-10
2503	470714.06	3817915.48	6.74E-10	2.83E-09	2.55E-10	3.76E-09	5.62E-10	2.08E-09	1.83E-10	2.83E-09	6.37E-11	3.65E-10	4.35E-11	4.72E-10	5.79E-11	1.91E-10	1.32E-11	2.62E-10
2504	470722.83	3817919.24	6.70E-10	2.82E-09	2.54E-10	3.74E-09	5.58E-10	2.07E-09	1.82E-10	2.81E-09	6.33E-11	3.62E-10	4.32E-11	4.69E-10	5.75E-11	1.90E-10	1.31E-11	2.60E-10
2505	470731.59	3817923	6.66E-10	2.80E-09	2.52E-10	3.72E-09	5.55E-10	2.06E-09	1.81E-10	2.79E-09	6.29E-11	3.60E-10	4.30E-11	4.66E-10	5.72E-11	1.89E-10	1.30E-11	2.59E-10
2506	470740.35	3817926.76	6.62E-10	2.78E-09	2.50E-10	3.69E-09	5.51E-10	2.04E-09	1.80E-10	2.77E-09	6.25E-11	3.58E-10	4.27E-11	4.63E-10	5.68E-11	1.87E-10	1.29E-11	2.57E-10
2507	470749.11	3817930.52	6.57E-10	2.76E-09	2.49E-10	3.67E-09	5.47E-10	2.03E-09	1.78E-10	2.75E-09	6.21E-11	3.55E-10	4.24E-11	4.60E-10	5.64E-11	1.86E-10	1.28E-11	2.55E-10
2508	470757.87	3817934.28	6.52E-10	2.74E-09	2.47E-10	3.64E-09	5.43E-10	2.01E-09	1.77E-10	2.73E-09	6.16E-11	3.53E-10	4.21E-11	4.56E-10	5.60E-11	1.85E-10	1.27E-11	2.53E-10
2509	470766.64	3817938.04	6.48E-10	2.72E-09	2.45E-10	3.61E-09	5.39E-10	2.00E-09	1.76E-10	2.71E-09	6.12E-11	3.50E-10	4.18E-11	4.53E-10	5.56E-11	1.83E-10	1.26E-11	2.52E-10
2510	470775.4	3817941.8	6.43E-10	2.70E-09	2.43E-10	3.59E-09	5.35E-10	1.98E-09	1.75E-10	2.69E-09	6.07E-11	3.48E-10	4.15E-11	4.50E-10	5.52E-11	1.82E-10	1.25E-11	2.50E-10
2511	470784.16	3817945.56	6.39E-10	2.68E-09	2.42E-10	3.56E-09	5.32E-10	1.97E-09	1.73E-10	2.68E-09	6.03E-11	3.45E-10	4.12E-11	4.47E-10	5.48E-11	1.81E-10	1.25E-11	2.48E-10
2512	470792.92	3817949.32	6.35E-10	2.67E-09	2.40E-10	3.54E-09	5.29E-10	1.96E-09	1.72E-10	2.66E-09	6.00E-11	3.43E-10	4.10E-11	4.44E-10	5.45E-11	1.80E-10	1.24E-11	2.47E-10
2513	470801.68	3817953.08	6.31E-10	2.65E-09	2.39E-10	3.52E-09	5.26E-10	1.95E-09	1.71E-10	2.64E-09	5.96E-11	3.41E-10	4.07E-11	4.42E-10	5.42E-11	1.79E-10	1.23E-11	2.45E-10
2514	470810.45	3817956.84	6.27E-10	2.63E-09	2.37E-10	3.50E-09	5.22E-10	1.94E-09	1.70E-10	2.63E-09	5.92E-11	3.39E-10	4.04E-11	4.39E-10	5.38E-11	1.78E-10	1.22E-11	2.44E-10
2515	470819.21	3817960.6	6.23E-10	2.62E-09	2.36E-10	3.47E-09	5.19E-10	1.92E-09	1.69E-10	2.61E-09	5.88E-11	3.37E-10	4.02E-11	4.36E-10	5.35E-11	1.76E-10	1.22E-11	2.42E-10
2516	470827.97	3817964.37	6.19E-10	2.60E-09	2.34E-10	3.45E-09	5.15E-10	1.91E-09	1.68E-10	2.59E-09	5.84E-11	3.35E-10	3.99E-11	4.33E-10	5.31E-11	1.75E-10	1.21E-11	2.40E-10
2517	470836.73	3817968.13	6.15E-10	2.58E-09	2.32E-10	3.43E-09	5.12E-10	1.90E-09	1.67E-10	2.58E-09	5.81E-11	3.32E-10	3.97E-11	4.30E-10	5.28E-11	1.74E-10	1.20E-11	2.39E-10
2518	470845.49	3817971.89	6.10E-10	2.56E-09	2.31E-10	3.40E-09	5.08E-10	1.88E-09	1.66E-10	2.56E-09	5.76E-11	3.30E-10	3.93E-11	4.27E-10	5.24E-11	1.73E-10	1.19E-11	2.37E-10
2519	470854.26	3817975.65	6.06E-10	2.54E-09	2.29E-10	3.38E-09	5.05E-10	1.87E-09	1.64E-10	2.54E-09	5.72E-11	3.28E-10	3.91E-11	4.24E-10	5.20E-11	1.71E-10	1.18E-11	2.35E-10
2520	470863.02	3817979.41	6.01E-10	2.52E-09	2.27E-10	3.35E-09	5.01E-10	1.85E-09	1.63E-10	2.52E-09	5.68E-11	3.25E-10	3.88E-11	4.20E-10	5.16E-11	1.70E-10	1.17E-11	2.33E-10
2521	470871.78	3817983.17	5.96E-10	2.50E-09	2.25E-10	3.33E-09	4.97E-10	1.84E-09	1.62E-10	2.50E-09	5.63E-11	3.22E-10	3.85E-11	4.17E-10	5.12E-11	1.69E-10	1.16E-11	2.32E-10
2522	470880.54	3817986.93	5.91E-10	2.48E-09	2.24E-10	3.30E-09	4.93E-10	1.83E-09	1.61E-10	2.48E-09	5.58E-11	3.20E-10	3.81E-11	4.14E-10	5.08E-11	1.67E-10	1.15E-11	2.30E-10
2523	470889.3	3817990.69	5.87E-10	2.47E-09	2.22E-10	3.28E-09	4.89E-10	1.81E-09	1.59E-10	2.46E-09	5.55E-11	3.17E-10	3.79E-11	4.11E-10	5.04E-11	1.66E-10	1.15E-11	2.28E-10
2524	470898.07	3817994.45	5.83E-10	2.45E-09	2.20E-10	3.25E-09	4.85E-10	1.80E-09	1.58E-10	2.44E-09	5.50E-11	3.15E-10	3.76E-11	4.07E-10	5.00E-11	1.65E-10	1.14E-11	2.26E-10
2525	470906.83	3817998.21	5.78E-10	2.43E-09	2.19E-10	3.23E-09	4.82E-10	1.78E-09	1.57E-10	2.42E-09	5.46E-11	3.13E-10	3.73E-11	4.05E-10	4.97E-11	1.64E-10	1.13E-11	2.25E-10
2526	470915.59	3818001.97	5.74E-10	2.41E-09	2.17E-10	3.20E-09	4.78E-10	1.77E-09	1.56E-10	2.40E-09	5.42E-11	3.10E-10	3.70E-11	4.01E-10	4.92E-11	1.62E-10	1.12E-11	2.23E-10
2527	470924.35	3818005.73	5.69E-10	2.39E-09	2.15E-10	3.17E-09	4.74E-10	1.76E-09	1.54E-10	2.38E-09	5.37E-11	3.07E-10	3.67E-11	3.98E-10	4.88E-11	1.61E-10	1.11E-11	2.21E-10
2528	470933.12	3818009.49	5.64E-10	2.37E-09	2.13E-10	3.15E-09	4.70E-10	1.74E-09	1.53E-10	2.36E-09	5.33E-11	3.05E-10	3.64E-11	3.95E-10	4.84E-11	1.60E-10	1.10E-11	2.19E-10
2529	470941.88	3818013.26	5.60E-10	2.35E-09	2.12E-10	3.12E-09	4.66E-10	1.73E-09	1.52E-10	2.35E-09	5.29E-11	3.03E-10	3.61E-11	3.92E-10	4.81E-11	1.58E-10	1.09E-11	2.17E-10
2530	470950.64	3818017.02	5.56E-10	2.33E-09	2.10E-10	3.10E-09	4.63E-10	1.71E-09	1.51E-10	2.33E-09	5.25E-11	3.00E-10	3.58E-11	3.89E-10	4.77E-11	1.57E-10	1.08E-11	2.16E-10
2531	470959.4	3818020.78	5.51E-10	2.31E-09	2.08E-10	3.07E-09	4.59E-10	1.70E-09	1.50E-10	2.31E-09	5.20E-11	2.98E-10	3.55E-11	3.85E-10	4.73E-11	1.56E-10	1.08E-11	2.14E-10
2532	470968.16	3818024.54	5.46E-10	2.29E-09	2.07E-10	3.05E-09	4.55E-10	1.69E-09	1.48E-10	2.29E-09	5.16E-11	2.95E-10	3.52E-11	3.82E-10	4.69E-11	1.55E-10	1.07E-11	2.12E-10
2533	470976.93	3818028.3	5.41E-10	2.27E-09	2.05E-10	3.02E-09	4.51E-10	1.67E-09	1.47E-10	2.27E-09	5.11E-11	2.93E-10	3.49E-11	3.79E-10	4.65E-11	1.53E-10	1.06E-11	2.10E-10
2534	470985.69	3818032.06	5.37E-10	2.26E-09	2.03E-10	3.00E-09	4.47E-10	1.66E-09	1.46E-10	2.25E-09	5.07E-11	2.90E-10	3.47E-11	3.76E-10	4.61E-11	1.52E-10	1.05E-11	2.09E-10
2535	470994.45	3818035.82	5.34E-10	2.24E-09	2.02E-10	2.98E-09	4.45E-10	1.65E-09	1.45E-10	2.24E-09	5.04E-11	2.89E-10	3.44E-11	3.73E-10	4.58E-11	1.51E-10	1.04E-11	2.07E-10
2536	471003.21	3818039.58	5.30E-10	2.22E-09	2.00E-10	2.95E-09	4.41E-10	1.63E-09	1.44E-10	2.22E-09	5.00E-11	2.86E-10	3.42E-11	3.71E-10	4.55E-11	1.50E-10	1.03E-11	2.06E-10
2537	471011.97	3818043.34	5.24E-10	2.20E-09	1.98E-10	2.92E-09	4.37E-10	1.62E-09	1.42E-10	2.20E-09	4.95E-11	2.83E-10	3.38E-11	3.67E-10	4.50E-11	1.48E-10	1.02E-11	2.04E-10
2538	471020.74	3818047.1	5.19E-10	2.18E-09	1.96E-10	2.90E-09	4.33E-10	1.60E-09	1.41E-10	2.18E-09	4.90E-11	2.81E-10	3.35E-11	3.63E-10	4.46E-11	1.47E-10	1.01E-11	2.02E-10
2539	471029.5	3818050.86	5.15E-10	2.16E-09	1.95E-10	2.87E-09	4.29E-10	1.59E-09	1.40E-10	2.16E-09	4.86E-11	2.78E-10	3.32E-11	3.60E-10	4.42E-11	1.46E-10	1.00E-11	2.00E-10
2540	471038.26	3818054.62	5.10E-10	2.14E-09	1.93E-10	2.84E-09	4.25E-10	1.57E-09	1.38E-10	2.14E-09	4.81E-11	2.76E-10	3.29E-11	3.57E-10	4.38E-11	1.44E-10	9.95E-12	1.98E-10
2541	471047.02	3818058.38	5.04E-10	2.12E-09	1.91E-10	2.81E-09	4.20E-10	1.56E-09	1.37E-10	2.11E-09	4.76E-11	2.73E-10	3.25E-11	3.53E-10	4.33E-11	1.43E-10	9.84E-12	1.96E-10
2542	471055.78	3818062.15	4.99E-10	2.10E-09	1.89E-10	2.79E-09	4.16E-10	1.54E-09	1.36E-10	2.09E-09	4.72E-11	2.70E-10	3.22E-11	3.49E-10	4.29E-11	1.41E-10	9.75E-12	1.94E-10
2543	471064.55	3818065.91	4.95E-10	2.08E-09	1.87E-10	2.76E-09	4.12E-10	1.53E-09	1.34E-10	2.07E-09	4.67E-11	2.67E-10	3.19E-11	3.46E-10	4.25E-11	1.40E-10	9.65E-12	1.92E-10
2544	471073.31	3818069.67	4.90E-10	2.06E-09	1.85E-10	2.73E-09	4.08E-10	1.51E-09	1.33E-10	2.05E-09	4.63E-11	2.65E-10	3.16E-11	3.43E-10	4.21E-11	1.39E-10	9.56E-12	1.90E-10
2545	471082.07	3818073.43	4.85E-10	2.04E-09	1.83E-10	2.71E-09	4.04E-10	1.50E-09	1.32E-10	2.03E-09	4.58E-11	2.62E-10	3.13E-11	3.39E-10	4.16E-11	1.37E-10	9.47E-12	1.88E-10
2546	471090.83	3818077.19	4.80E-10	2.02E-09	1.82E-10	2.68E-09	4.00E-10	1.48E-09	1.30E-10	2.01E-09	4.54E-11	2.60E-10	3.10E-11	3.36E-10	4.12E-11	1.36E-10	9.37E-12	1.87E-10

2547	471099.59	3818080.95	4.75E-10	2.00E-09	1.80E-10	2.65E-09	3.96E-10	1.47E-09	1.29E-10	1.99E-09	4.49E-11	2.57E-10	3.07E-11	3.33E-10	4.08E-11	1.35E-10	9.28E-12	1.85E-10
2548	471108.36	3818084.71	4.71E-10	1.98E-09	1.78E-10	2.63E-09	3.92E-10	1.45E-09	1.28E-10	1.97E-09	4.44E-11	2.54E-10	3.04E-11	3.29E-10	4.04E-11	1.33E-10	9.18E-12	1.83E-10
2549	471117.12	3818088.47	4.67E-10	1.96E-09	1.76E-10	2.60E-09	3.89E-10	1.44E-09	1.27E-10	1.95E-09	4.41E-11	2.52E-10	3.01E-11	3.26E-10	4.01E-11	1.32E-10	9.10E-12	1.81E-10
2550	471125.88	3818092.23	4.62E-10	1.94E-09	1.75E-10	2.58E-09	3.85E-10	1.42E-09	1.25E-10	1.93E-09	4.36E-11	2.50E-10	2.98E-11	3.23E-10	3.96E-11	1.31E-10	9.01E-12	1.79E-10
2551	471169.69	3818111.04	4.40E-10	1.85E-09	1.67E-10	2.46E-09	3.67E-10	1.36E-09	1.20E-10	1.85E-09	4.16E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.25E-10	8.59E-12	1.71E-10
2552	471178.45	3818114.8	4.36E-10	1.83E-09	1.65E-10	2.43E-09	3.63E-10	1.35E-09	1.18E-10	1.83E-09	4.12E-11	2.36E-10	2.81E-11	3.05E-10	3.75E-11	1.24E-10	8.51E-12	1.69E-10
2553	471187.22	3818118.56	4.32E-10	1.82E-09	1.63E-10	2.41E-09	3.60E-10	1.33E-09	1.17E-10	1.81E-09	4.08E-11	2.34E-10	2.79E-11	3.02E-10	3.71E-11	1.22E-10	8.43E-12	1.68E-10
2554	471195.98	3818122.32	4.29E-10	1.80E-09	1.62E-10	2.39E-09	3.57E-10	1.32E-09	1.16E-10	1.80E-09	4.05E-11	2.32E-10	2.77E-11	3.00E-10	3.68E-11	1.21E-10	8.37E-12	1.67E-10
2555	471204.74	3818126.08	4.25E-10	1.78E-09	1.61E-10	2.37E-09	3.54E-10	1.31E-09	1.15E-10	1.78E-09	4.01E-11	2.30E-10	2.74E-11	2.97E-10	3.65E-11	1.20E-10	8.29E-12	1.65E-10
2556	471213.5	3818129.84	4.21E-10	1.77E-09	1.59E-10	2.35E-09	3.51E-10	1.30E-09	1.14E-10	1.77E-09	3.98E-11	2.28E-10	2.72E-11	2.95E-10	3.62E-11	1.19E-10	8.22E-12	1.64E-10
2557	471222.26	3818133.6	4.18E-10	1.75E-09	1.58E-10	2.33E-09	3.48E-10	1.29E-09	1.13E-10	1.75E-09	3.95E-11	2.26E-10	2.70E-11	2.92E-10	3.59E-11	1.18E-10	8.15E-12	1.62E-10
2558	471231.03	3818137.36	4.14E-10	1.74E-09	1.57E-10	2.31E-09	3.45E-10	1.28E-09	1.12E-10	1.74E-09	3.91E-11	2.24E-10	2.67E-11	2.90E-10	3.56E-11	1.17E-10	8.09E-12	1.61E-10
2559	471239.79	3818141.12	4.12E-10	1.73E-09	1.56E-10	2.30E-09	3.43E-10	1.27E-09	1.12E-10	1.72E-09	3.89E-11	2.23E-10	2.66E-11	2.88E-10	3.53E-11	1.17E-10	8.03E-12	1.60E-10
2560	471248.55	3818144.88	4.09E-10	1.72E-09	1.55E-10	2.28E-09	3.41E-10	1.26E-09	1.11E-10	1.71E-09	3.86E-11	2.21E-10	2.64E-11	2.86E-10	3.51E-11	1.16E-10	7.98E-12	1.59E-10
2561	471257.31	3818148.64	4.05E-10	1.70E-09	1.53E-10	2.26E-09	3.38E-10	1.25E-09	1.10E-10	1.70E-09	3.83E-11	2.19E-10	2.62E-11	2.84E-10	3.48E-11	1.15E-10	7.91E-12	1.57E-10
2562	471266.07	3818152.4	4.03E-10	1.69E-09	1.52E-10	2.25E-09	3.35E-10	1.24E-09	1.09E-10	1.69E-09	3.80E-11	2.18E-10	2.60E-11	2.82E-10	3.46E-11	1.14E-10	7.86E-12	1.56E-10
2563	471274.84	3818156.16	4.01E-10	1.68E-09	1.52E-10	2.23E-09	3.34E-10	1.24E-09	1.09E-10	1.68E-09	3.78E-11	2.17E-10	2.58E-11	2.80E-10	3.44E-11	1.13E-10	7.82E-12	1.56E-10
2564	471283.6	3818159.93	3.98E-10	1.67E-09	1.51E-10	2.22E-09	3.31E-10	1.23E-09	1.08E-10	1.67E-09	3.76E-11	2.15E-10	2.57E-11	2.78E-10	3.42E-11	1.13E-10	7.77E-12	1.55E-10
2565	471292.36	3818163.69	3.96E-10	1.66E-09	1.50E-10	2.21E-09	3.30E-10	1.22E-09	1.07E-10	1.66E-09	3.74E-11	2.14E-10	2.55E-11	2.77E-10	3.40E-11	1.12E-10	7.72E-12	1.54E-10
2566	471301.12	3818167.45	3.94E-10	1.65E-09	1.49E-10	2.20E-09	3.28E-10	1.22E-09	1.07E-10	1.65E-09	3.72E-11	2.13E-10	2.54E-11	2.75E-10	3.38E-11	1.11E-10	7.68E-12	1.53E-10
2567	471309.89	3818171.21	3.92E-10	1.65E-09	1.48E-10	2.19E-09	3.26E-10	1.21E-09	1.06E-10	1.64E-09	3.70E-11	2.12E-10	2.53E-11	2.74E-10	3.36E-11	1.11E-10	7.64E-12	1.52E-10
2568	471318.65	3818174.97	3.90E-10	1.64E-09	1.47E-10	2.17E-09	3.25E-10	1.20E-09	1.06E-10	1.63E-09	3.68E-11	2.11E-10	2.51E-11	2.73E-10	3.35E-11	1.10E-10	7.60E-12	1.51E-10
2569	471327.41	3818178.73	3.88E-10	1.63E-09	1.47E-10	2.16E-09	3.23E-10	1.20E-09	1.05E-10	1.62E-09	3.66E-11	2.10E-10	2.50E-11	2.71E-10	3.33E-11	1.10E-10	7.56E-12	1.51E-10
2570	471336.17	3818182.49	3.86E-10	1.62E-09	1.46E-10	2.15E-09	3.22E-10	1.19E-09	1.05E-10	1.62E-09	3.65E-11	2.09E-10	2.49E-11	2.70E-10	3.32E-11	1.09E-10	7.54E-12	1.50E-10
2571	471344.93	3818186.25	3.85E-10	1.62E-09	1.46E-10	2.15E-09	3.21E-10	1.19E-09	1.04E-10	1.61E-09	3.63E-11	2.08E-10	2.48E-11	2.69E-10	3.30E-11	1.09E-10	7.51E-12	1.50E-10
2572	471357.26	3818198.86	3.86E-10	1.62E-09	1.46E-10	2.15E-09	3.22E-10	1.19E-09	1.05E-10	1.62E-09	3.65E-11	2.09E-10	2.49E-11	2.70E-10	3.32E-11	1.09E-10	7.54E-12	1.50E-10
2573	471360.82	3818207.7	3.89E-10	1.63E-09	1.47E-10	2.17E-09	3.24E-10	1.20E-09	1.06E-10	1.63E-09	3.67E-11	2.10E-10	2.51E-11	2.72E-10	3.34E-11	1.10E-10	7.59E-12	1.51E-10
2574	471364.38	3818216.55	3.92E-10	1.65E-09	1.48E-10	2.19E-09	3.26E-10	1.21E-09	1.06E-10	1.64E-09	3.70E-11	2.12E-10	2.53E-11	2.74E-10	3.36E-11	1.11E-10	7.64E-12	1.52E-10
2575	471367.94	3818225.39	3.95E-10	1.66E-09	1.49E-10	2.20E-09	3.29E-10	1.22E-09	1.07E-10	1.66E-09	3.73E-11	2.14E-10	2.55E-11	2.76E-10	3.39E-11	1.12E-10	7.71E-12	1.53E-10
2576	471371.5	3818234.24	3.99E-10	1.67E-09	1.51E-10	2.22E-09	3.32E-10	1.23E-09	1.08E-10	1.67E-09	3.76E-11	2.15E-10	2.57E-11	2.79E-10	3.42E-11	1.13E-10	7.78E-12	1.55E-10
2577	471375.06	3818243.08	4.02E-10	1.69E-09	1.52E-10	2.24E-09	3.35E-10	1.24E-09	1.09E-10	1.68E-09	3.80E-11	2.17E-10	2.59E-11	2.81E-10	3.45E-11	1.14E-10	7.85E-12	1.56E-10
2578	471378.62	3818251.93	4.05E-10	1.70E-09	1.53E-10	2.26E-09	3.38E-10	1.25E-09	1.10E-10	1.70E-09	3.83E-11	2.19E-10	2.62E-11	2.84E-10	3.48E-11	1.15E-10	7.91E-12	1.57E-10
2579	471382.18	3818260.77	4.10E-10	1.72E-09	1.55E-10	2.28E-09	3.41E-10	1.26E-09	1.11E-10	1.72E-09	3.87E-11	2.21E-10	2.64E-11	2.87E-10	3.52E-11	1.16E-10	7.99E-12	1.59E-10
2580	471385.74	3818269.62	4.13E-10	1.73E-09	1.56E-10	2.30E-09	3.44E-10	1.27E-09	1.12E-10	1.73E-09	3.90E-11	2.23E-10	2.66E-11	2.89E-10	3.55E-11	1.17E-10	8.06E-12	1.60E-10
2581	471389.31	3818278.46	4.18E-10	1.75E-09	1.58E-10	2.33E-09	3.48E-10	1.29E-09	1.13E-10	1.75E-09	3.95E-11	2.26E-10	2.70E-11	2.92E-10	3.59E-11	1.18E-10	8.15E-12	1.62E-10
2582	471392.87	3818287.31	4.22E-10	1.77E-09	1.60E-10	2.35E-09	3.51E-10	1.30E-09	1.15E-10	1.77E-09	3.98E-11	2.28E-10	2.72E-11	2.95E-10	3.62E-11	1.19E-10	8.23E-12	1.64E-10
2583	471396.43	3818296.15	4.26E-10	1.79E-09	1.61E-10	2.38E-09	3.55E-10	1.31E-09	1.16E-10	1.79E-09	4.02E-11	2.30E-10	2.75E-11	2.98E-10	3.66E-11	1.21E-10	8.31E-12	1.65E-10
2584	471399.99	3818305	4.31E-10	1.81E-09	1.63E-10	2.40E-09	3.59E-10	1.33E-09	1.17E-10	1.81E-09	4.07E-11	2.33E-10	2.78E-11	3.01E-10	3.70E-11	1.22E-10	8.41E-12	1.67E-10
2585	471403.55	3818313.84	4.36E-10	1.83E-09	1.65E-10	2.43E-09	3.63E-10	1.34E-09	1.18E-10	1.83E-09	4.11E-11	2.36E-10	2.81E-11	3.05E-10	3.74E-11	1.23E-10	8.50E-12	1.69E-10
2586	471407.11	3818322.69	4.40E-10	1.85E-09	1.67E-10	2.46E-09	3.67E-10	1.36E-09	1.20E-10	1.85E-09	4.16E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.25E-10	8.59E-12	1.71E-10
2587	471410.67	3818331.53	4.46E-10	1.87E-09	1.69E-10	2.49E-09	3.71E-10	1.38E-09	1.21E-10	1.87E-09	4.21E-11	2.41E-10	2.88E-11	3.12E-10	3.83E-11	1.26E-10	8.70E-12	1.73E-10
2588	471414.23	3818340.38	4.51E-10	1.90E-09	1.71E-10	2.52E-09	3.76E-10	1.39E-09	1.23E-10	1.89E-09	4.26E-11	2.44E-10	2.91E-11	3.16E-10	3.88E-11	1.28E-10	8.81E-12	1.75E-10
2589	471417.79	3818349.22	4.57E-10	1.92E-09	1.73E-10	2.55E-09	3.81E-10	1.41E-09	1.24E-10	1.91E-09	4.31E-11	2.47E-10	2.95E-11	3.20E-10	3.92E-11	1.29E-10	8.92E-12	1.77E-10
2590	471421.35	3818358.07	4.62E-10	1.94E-09	1.75E-10	2.58E-09	3.85E-10	1.43E-09	1.26E-10	1.94E-09	4.37E-11	2.50E-10	2.98E-11	3.23E-10	3.97E-11	1.31E-10	9.02E-12	1.80E-10
2591	471424.92	3818366.91	4.68E-10	1.97E-09	1.77E-10	2.61E-09	3.90E-10	1.44E-09	1.27E-10	1.96E-09	4.42E-11	2.53E-10	3.02E-11	3.27E-10	4.02E-11	1.32E-10	9.13E-12	1.82E-10
2592	471428.48	3818375.76	4.74E-10	1.99E-09	1.79E-10	2.64E-09	3.95E-10	1.46E-09	1.29E-10	1.99E-09	4.48E-11	2.56E-10	3.06E-11	3.32E-10	4.07E-11	1.34E-10	9.25E-12	1.84E-10
2593	471432.04	3818384.61	4.80E-10	2.02E-09	1.82E-10	2.68E-09	4.00E-10	1.48E-09	1.30E-10	2.01E-09	4.54E-11	2.60E-10	3.10E-11	3.36E-10	4.12E-11	1.36E-10	9.37E-12	1.87E-10
2594	471435.6	3818393.45	4.86E-10	2.04E-09	1.84E-10	2.71E-09	4.05E-10	1.50E-09	1.32E-10	2.04E-09	4.59E-11	2.63E-10	3.14E-11	3.40E-10	4.18E-11	1.38E-10	9.49E-12	1.89E-10
2595	471439.16	3818402.3	4.93E-10	2.07E-09	1.86E-10	2.75E-09	4.10E-10	1.52E-09	1.34E-10	2.06E-09	4.65E-11	2.66E-10	3.18E-11	3.45E-10	4.23E-11	1.39E-10	9.61E-12	1.91E-10
2596	471442.72	3818411.14	4.99E-10	2.10E-09	1.89E-10	2.79E-09	4.16E-10	1.54E-09	1.36E-10	2.09E-09	4.72E-11	2.70E-10	3.22E-11	3.49E-10	4.29E-11	1.41E-10	9.75E-12	1.94E-10
2597	471446.28	3818419.99	5.06E-10	2.13E-09	1.91E-10	2.82E-09	4.22E-10	1.56E-09	1.37E-10	2.12E-09	4.78E-11	2.74E-10	3.27E-11	3.54E-10	4.35E-11	1.43E-10	9.88E-12	1.97E-10

2598	471449.84	3818428.83	5.13E-10	2.16E-09	1.94E-10	2.86E-09	4.27E-10	1.58E-09	1.39E-10	2.15E-09	4.85E-11	2.77E-10	3.31E-11	3.59E-10	4.41E-11	1.45E-10	1.00E-11	1.99E-10
2599	471460.53	3818455.37	5.34E-10	2.24E-09	2.02E-10	2.98E-09	4.45E-10	1.65E-09	1.45E-10	2.24E-09	5.05E-11	2.89E-10	3.45E-11	3.74E-10	4.59E-11	1.51E-10	1.04E-11	2.08E-10
2600	471464.09	3818464.21	5.42E-10	2.28E-09	2.05E-10	3.02E-09	4.51E-10	1.67E-09	1.47E-10	2.27E-09	5.12E-11	2.93E-10	3.50E-11	3.79E-10	4.65E-11	1.53E-10	1.06E-11	2.11E-10
2601	471467.65	3818473.06	5.50E-10	2.31E-09	2.08E-10	3.07E-09	4.58E-10	1.70E-09	1.49E-10	2.30E-09	5.19E-11	2.97E-10	3.54E-11	3.84E-10	4.72E-11	1.56E-10	1.07E-11	2.13E-10
2602	471471.21	3818481.9	5.57E-10	2.34E-09	2.11E-10	3.11E-09	4.64E-10	1.72E-09	1.51E-10	2.33E-09	5.26E-11	3.01E-10	3.59E-11	3.90E-10	4.78E-11	1.58E-10	1.09E-11	2.16E-10
2603	471474.77	3818490.75	5.65E-10	2.37E-09	2.14E-10	3.15E-09	4.71E-10	1.74E-09	1.53E-10	2.37E-09	5.34E-11	3.06E-10	3.65E-11	3.95E-10	4.85E-11	1.60E-10	1.10E-11	2.20E-10
2604	471478.33	3818499.59	5.73E-10	2.41E-09	2.17E-10	3.20E-09	4.77E-10	1.77E-09	1.56E-10	2.40E-09	5.41E-11	3.10E-10	3.70E-11	4.01E-10	4.92E-11	1.62E-10	1.12E-11	2.23E-10
2605	471481.89	3818508.44	5.81E-10	2.44E-09	2.20E-10	3.24E-09	4.84E-10	1.79E-09	1.58E-10	2.44E-09	5.49E-11	3.14E-10	3.75E-11	4.07E-10	4.99E-11	1.64E-10	1.13E-11	2.26E-10
2606	471485.45	3818517.28	5.89E-10	2.48E-09	2.23E-10	3.29E-09	4.91E-10	1.82E-09	1.60E-10	2.47E-09	5.57E-11	3.19E-10	3.80E-11	4.12E-10	5.06E-11	1.67E-10	1.15E-11	2.29E-10
2607	471489.01	3818526.13	5.98E-10	2.51E-09	2.26E-10	3.34E-09	4.98E-10	1.85E-09	1.62E-10	2.51E-09	5.65E-11	3.23E-10	3.86E-11	4.19E-10	5.14E-11	1.69E-10	1.17E-11	2.32E-10
2608	471492.57	3818534.97	6.07E-10	2.55E-09	2.29E-10	3.38E-09	5.05E-10	1.87E-09	1.65E-10	2.54E-09	5.73E-11	3.28E-10	3.91E-11	4.24E-10	5.21E-11	1.72E-10	1.18E-11	2.36E-10
2609	471496.14	3818543.82	6.15E-10	2.58E-09	2.33E-10	3.43E-09	5.13E-10	1.90E-09	1.67E-10	2.58E-09	5.81E-11	3.33E-10	3.97E-11	4.31E-10	5.28E-11	1.74E-10	1.20E-11	2.39E-10
2610	471499.7	3818552.66	6.24E-10	2.62E-09	2.36E-10	3.48E-09	5.20E-10	1.93E-09	1.69E-10	2.62E-09	5.90E-11	3.38E-10	4.03E-11	4.37E-10	5.36E-11	1.77E-10	1.22E-11	2.43E-10
2611	471503.26	3818561.51	6.33E-10	2.66E-09	2.40E-10	3.53E-09	5.27E-10	1.95E-09	1.72E-10	2.65E-09	5.98E-11	3.42E-10	4.08E-11	4.43E-10	5.44E-11	1.79E-10	1.24E-11	2.46E-10
2612	471506.82	3818570.35	6.43E-10	2.70E-09	2.43E-10	3.59E-09	5.35E-10	1.98E-09	1.75E-10	2.69E-09	6.07E-11	3.48E-10	4.15E-11	4.50E-10	5.52E-11	1.82E-10	1.25E-11	2.50E-10
2613	471510.38	3818579.2	6.52E-10	2.74E-09	2.47E-10	3.64E-09	5.43E-10	2.01E-09	1.77E-10	2.73E-09	6.16E-11	3.53E-10	4.21E-11	4.56E-10	5.60E-11	1.85E-10	1.27E-11	2.53E-10
2614	471513.94	3818588.04	6.62E-10	2.78E-09	2.50E-10	3.69E-09	5.51E-10	2.04E-09	1.80E-10	2.77E-09	6.25E-11	3.58E-10	4.27E-11	4.63E-10	5.68E-11	1.87E-10	1.29E-11	2.57E-10
2615	471517.5	3818596.89	6.72E-10	2.82E-09	2.54E-10	3.75E-09	5.59E-10	2.07E-09	1.82E-10	2.81E-09	6.34E-11	3.63E-10	4.33E-11	4.70E-10	5.77E-11	1.90E-10	1.31E-11	2.61E-10
2616	471521.06	3818605.73	6.82E-10	2.86E-09	2.58E-10	3.80E-09	5.68E-10	2.10E-09	1.85E-10	2.86E-09	6.44E-11	3.69E-10	4.40E-11	4.77E-10	5.85E-11	1.93E-10	1.33E-11	2.65E-10
2617	471524.62	3818614.58	6.92E-10	2.91E-09	2.62E-10	3.86E-09	5.77E-10	2.14E-09	1.88E-10	2.90E-09	6.54E-11	3.74E-10	4.47E-11	4.84E-10	5.94E-11	1.96E-10	1.35E-11	2.69E-10
2618	471528.18	3818623.42	7.03E-10	2.95E-09	2.66E-10	3.92E-09	5.85E-10	2.17E-09	1.91E-10	2.94E-09	6.63E-11	3.80E-10	4.53E-11	4.91E-10	6.03E-11	1.99E-10	1.37E-11	2.73E-10
2619	471531.75	3818632.27	7.14E-10	3.00E-09	2.70E-10	3.98E-09	5.94E-10	2.20E-09	1.94E-10	2.99E-09	6.74E-11	3.86E-10	4.60E-11	4.99E-10	6.13E-11	2.02E-10	1.39E-11	2.77E-10
2620	471535.31	3818641.11	7.25E-10	3.04E-09	2.74E-10	4.04E-09	6.03E-10	2.24E-09	1.97E-10	3.04E-09	6.84E-11	3.92E-10	4.67E-11	5.07E-10	6.22E-11	2.05E-10	1.41E-11	2.81E-10
2621	471538.87	3818649.96	7.36E-10	3.09E-09	2.78E-10	4.10E-09	6.13E-10	2.27E-09	2.00E-10	3.08E-09	6.95E-11	3.98E-10	4.74E-11	5.15E-10	6.31E-11	2.08E-10	1.44E-11	2.86E-10
2622	471542.43	3818658.81	7.46E-10	3.13E-09	2.82E-10	4.16E-09	6.22E-10	2.30E-09	2.03E-10	3.13E-09	7.05E-11	4.04E-10	4.81E-11	5.22E-10	6.41E-11	2.11E-10	1.46E-11	2.90E-10
2623	471545.99	3818667.65	7.58E-10	3.18E-09	2.87E-10	4.23E-09	6.31E-10	2.34E-09	2.06E-10	3.18E-09	7.16E-11	4.10E-10	4.89E-11	5.30E-10	6.51E-11	2.15E-10	1.48E-11	2.94E-10
2624	471549.55	3818676.5	7.70E-10	3.23E-09	2.91E-10	4.29E-09	6.41E-10	2.38E-09	2.09E-10	3.23E-09	7.27E-11	4.16E-10	4.97E-11	5.39E-10	6.61E-11	2.18E-10	1.50E-11	2.99E-10
2625	471553.11	3818685.34	7.82E-10	3.28E-09	2.96E-10	4.36E-09	6.51E-10	2.41E-09	2.12E-10	3.28E-09	7.39E-11	4.23E-10	5.04E-11	5.47E-10	6.71E-11	2.21E-10	1.53E-11	3.04E-10
2626	471556.67	3818694.19	7.95E-10	3.34E-09	3.00E-10	4.43E-09	6.62E-10	2.45E-09	2.16E-10	3.33E-09	7.50E-11	4.30E-10	5.12E-11	5.56E-10	6.82E-11	2.25E-10	1.55E-11	3.09E-10
2627	471560.23	3818703.03	8.07E-10	3.39E-09	3.05E-10	4.50E-09	6.72E-10	2.49E-09	2.19E-10	3.38E-09	7.62E-11	4.36E-10	5.20E-11	5.64E-10	6.93E-11	2.28E-10	1.57E-11	3.13E-10
2628	471563.79	3818711.88	8.20E-10	3.44E-09	3.10E-10	4.57E-09	6.83E-10	2.53E-09	2.23E-10	3.44E-09	7.74E-11	4.43E-10	5.29E-11	5.74E-10	7.04E-11	2.32E-10	1.60E-11	3.18E-10
2629	471567.36	3818720.72	8.33E-10	3.50E-09	3.15E-10	4.65E-09	6.94E-10	2.57E-09	2.26E-10	3.49E-09	7.87E-11	4.50E-10	5.37E-11	5.83E-10	7.15E-11	2.36E-10	1.63E-11	3.24E-10
2630	471570.92	3818729.57	8.46E-10	3.55E-09	3.20E-10	4.72E-09	7.05E-10	2.61E-09	2.30E-10	3.54E-09	7.99E-11	4.57E-10	5.46E-11	5.92E-10	7.26E-11	2.39E-10	1.65E-11	3.29E-10
2631	471574.48	3818738.41	8.60E-10	3.61E-09	3.25E-10	4.80E-09	7.16E-10	2.65E-09	2.33E-10	3.60E-09	8.12E-11	4.65E-10	5.54E-11	6.01E-10	7.38E-11	2.43E-10	1.68E-11	3.34E-10
2632	471578.04	3818747.26	8.73E-10	3.67E-09	3.30E-10	4.87E-09	7.27E-10	2.70E-09	2.37E-10	3.66E-09	8.25E-11	4.72E-10	5.63E-11	6.11E-10	7.50E-11	2.47E-10	1.70E-11	3.39E-10
2633	471581.6	3818756.1	8.88E-10	3.73E-09	3.36E-10	4.95E-09	7.39E-10	2.74E-09	2.41E-10	3.72E-09	8.38E-11	4.80E-10	5.73E-11	6.21E-10	7.62E-11	2.51E-10	1.73E-11	3.45E-10
2634	471585.16	3818764.95	9.02E-10	3.79E-09	3.41E-10	5.03E-09	7.51E-10	2.78E-09	2.45E-10	3.78E-09	8.51E-11	4.87E-10	5.81E-11	6.31E-10	7.74E-11	2.55E-10	1.76E-11	3.50E-10
2635	471588.72	3818773.79	9.17E-10	3.85E-09	3.47E-10	5.11E-09	7.64E-10	2.83E-09	2.49E-10	3.84E-09	8.66E-11	4.96E-10	5.91E-11	6.41E-10	7.87E-11	2.59E-10	1.79E-11	3.56E-10
2636	471592.28	3818782.64	9.31E-10	3.91E-09	3.52E-10	5.19E-09	7.76E-10	2.87E-09	2.53E-10	3.90E-09	8.79E-11	5.03E-10	6.01E-11	6.51E-10	7.99E-11	2.64E-10	1.82E-11	3.62E-10
2637	471595.84	3818791.48	9.46E-10	3.97E-09	3.58E-10	5.28E-09	7.88E-10	2.92E-09	2.57E-10	3.96E-09	8.93E-11	5.11E-10	6.10E-11	6.62E-10	8.12E-11	2.68E-10	1.85E-11	3.67E-10
2638	471599.4	3818800.33	9.61E-10	4.04E-09	3.64E-10	5.36E-09	8.01E-10	2.97E-09	2.61E-10	4.03E-09	9.08E-11	5.20E-10	6.20E-11	6.72E-10	8.25E-11	2.72E-10	1.88E-11	3.73E-10
2639	471602.97	3818809.17	9.77E-10	4.10E-09	3.69E-10	5.45E-09	8.14E-10	3.01E-09	2.65E-10	4.09E-09	9.23E-11	5.28E-10	6.30E-11	6.83E-10	8.39E-11	2.77E-10	1.91E-11	3.79E-10
2640	471606.53	3818818.02	9.93E-10	4.17E-09	3.75E-10	5.54E-09	8.27E-10	3.06E-09	2.70E-10	4.16E-09	9.37E-11	5.37E-10	6.40E-11	6.94E-10	8.52E-11	2.81E-10	1.94E-11	3.86E-10
2641	471610.09	3818826.86	1.01E-09	4.24E-09	3.81E-10	5.63E-09	8.40E-10	3.11E-09	2.74E-10	4.23E-09	9.52E-11	5.45E-10	6.51E-11	7.06E-10	8.66E-11	2.85E-10	1.97E-11	3.92E-10
2642	471620.77	3818853.4	1.06E-09	4.44E-09	4.00E-10	5.90E-09	8.81E-10	3.26E-09	2.87E-10	4.43E-09	9.98E-11	5.72E-10	6.82E-11	7.40E-10	9.08E-11	2.99E-10	2.06E-11	4.11E-10
2643	471624.33	3818862.24	1.07E-09	4.51E-09	4.06E-10	5.99E-09	8.95E-10	3.32E-09	2.92E-10	4.50E-09	1.01E-10	5.81E-10	6.93E-11	7.52E-10	9.22E-11	3.04E-10	2.10E-11	4.17E-10
2644	471627.89	3818871.09	1.09E-09	4.58E-09	4.13E-10	6.08E-09	9.09E-10	3.37E-09	2.96E-10	4.57E-09	1.03E-10	5.90E-10	7.04E-11	7.63E-10	9.37E-11	3.09E-10	2.13E-11	4.24E-10
2645	471631.45	3818879.93	1.11E-09	4.65E-09	4.19E-10	6.18E-09	9.23E-10	3.42E-09	3.01E-10	4.64E-09	1.05E-10	5.99E-10	7.15E-11	7.75E-10	9.51E-11	3.14E-10	2.16E-11	4.30E-10
2646	471635.01	3818888.78	1.13E-09	4.73E-09	4.26E-10	6.28E-09	9.37E-10	3.47E-09	3.05E-10	4.71E-09	1.06E-10	6.08E-10	7.26E-11	7.87E-10	9.66E-11	3.19E-10	2.20E-11	4.37E-10
2647	471638.58	3818897.62	1.14E-09	4.80E-09	4.32E-10	6.37E-09	9.52E-10	3.53E-09	3.10E-10	4.79E-09	1.08E-10	6.18E-10	7.37E-11	7.99E-10	9.81E-11	3.23E-10	2.23E-11	4.44E-10
2648	471642.14	3818906.47	1.16E-09	4.87E-09	4.39E-10	6.47E-09	9.66E-10	3.58E-09	3.15E-10	4.86E-09	1.09E-10	6.27E-10	7.48E-11	8.11E-10	9.95E-11	3.28E-10	2.26E-11	4.50E-10

2649	471645.7	3818915.31	1.18E-09	4.94E-09	4.45E-10	6.57E-09	9.81E-10	3.63E-09	3.20E-10	4.93E-09	1.11E-10	6.36E-10	7.59E-11	8.24E-10	1.01E-10	3.33E-10	2.30E-11	4.57E-10
2650	471649.26	3818924.16	1.19E-09	5.02E-09	4.52E-10	6.66E-09	9.95E-10	3.69E-09	3.24E-10	5.01E-09	1.13E-10	6.46E-10	7.70E-11	8.36E-10	1.03E-10	3.38E-10	2.33E-11	4.64E-10
2651	471652.82	3818933.01	1.21E-09	5.09E-09	4.58E-10	6.76E-09	1.01E-09	3.74E-09	3.29E-10	5.08E-09	1.14E-10	6.55E-10	7.82E-11	8.48E-10	1.04E-10	3.43E-10	2.37E-11	4.71E-10
2652	471659.94	3818950.7	1.25E-09	5.24E-09	4.72E-10	6.96E-09	1.04E-09	3.85E-09	3.39E-10	5.23E-09	1.18E-10	6.74E-10	8.05E-11	8.73E-10	1.07E-10	3.53E-10	2.43E-11	4.84E-10
2653	471663.5	3818959.54	1.26E-09	5.31E-09	4.78E-10	7.05E-09	1.05E-09	3.90E-09	3.43E-10	5.30E-09	1.19E-10	6.84E-10	8.16E-11	8.85E-10	1.09E-10	3.58E-10	2.47E-11	4.91E-10
2654	471667.06	3818968.39	1.28E-09	5.39E-09	4.85E-10	7.15E-09	1.07E-09	3.96E-09	3.48E-10	5.37E-09	1.21E-10	6.93E-10	8.27E-11	8.97E-10	1.10E-10	3.63E-10	2.50E-11	4.98E-10
2655	471670.62	3818977.23	1.30E-09	5.46E-09	4.91E-10	7.25E-09	1.08E-09	4.01E-09	3.53E-10	5.45E-09	1.23E-10	7.03E-10	8.38E-11	9.09E-10	1.12E-10	3.68E-10	2.54E-11	5.05E-10
2656	471674.19	3818986.08	1.32E-09	5.53E-09	4.98E-10	7.35E-09	1.10E-09	4.07E-09	3.58E-10	5.52E-09	1.24E-10	7.12E-10	8.50E-11	9.22E-10	1.13E-10	3.73E-10	2.57E-11	5.12E-10
2657	471677.75	3818994.92	1.33E-09	5.60E-09	5.05E-10	7.44E-09	1.11E-09	4.12E-09	3.62E-10	5.59E-09	1.26E-10	7.21E-10	8.61E-11	9.34E-10	1.15E-10	3.78E-10	2.60E-11	5.18E-10
2658	471681.31	3819003.77	1.35E-09	5.68E-09	5.11E-10	7.54E-09	1.13E-09	4.17E-09	3.67E-10	5.66E-09	1.28E-10	7.31E-10	8.72E-11	9.46E-10	1.16E-10	3.83E-10	2.64E-11	5.25E-10
2659	471684.87	3819012.61	1.37E-09	5.75E-09	5.18E-10	7.63E-09	1.14E-09	4.22E-09	3.72E-10	5.74E-09	1.29E-10	7.40E-10	8.83E-11	9.58E-10	1.18E-10	3.87E-10	2.67E-11	5.32E-10
2660	471688.43	3819021.46	1.39E-09	5.82E-09	5.24E-10	7.73E-09	1.15E-09	4.27E-09	3.76E-10	5.80E-09	1.31E-10	7.49E-10	8.93E-11	9.69E-10	1.19E-10	3.92E-10	2.70E-11	5.38E-10
2661	471691.99	3819030.3	1.40E-09	5.89E-09	5.30E-10	7.82E-09	1.17E-09	4.33E-09	3.81E-10	5.88E-09	1.32E-10	7.58E-10	9.05E-11	9.81E-10	1.20E-10	3.97E-10	2.74E-11	5.45E-10
2662	471702.67	3819056.84	1.45E-09	6.09E-09	5.49E-10	8.09E-09	1.21E-09	4.48E-09	3.94E-10	6.08E-09	1.37E-10	7.84E-10	9.36E-11	1.01E-09	1.25E-10	4.11E-10	2.83E-11	5.63E-10
2663	471706.23	3819065.68	1.47E-09	6.16E-09	5.55E-10	8.18E-09	1.22E-09	4.52E-09	3.98E-10	6.14E-09	1.38E-10	7.93E-10	9.46E-11	1.03E-09	1.26E-10	4.15E-10	2.86E-11	5.70E-10
2664	471709.79	3819074.53	1.48E-09	6.22E-09	5.60E-10	8.27E-09	1.23E-09	4.57E-09	4.02E-10	6.21E-09	1.40E-10	8.01E-10	9.56E-11	1.04E-09	1.27E-10	4.19E-10	2.89E-11	5.76E-10
2665	471713.36	3819083.37	1.50E-09	6.29E-09	5.66E-10	8.35E-09	1.25E-09	4.62E-09	4.06E-10	6.27E-09	1.41E-10	8.09E-10	9.66E-11	1.05E-09	1.29E-10	4.24E-10	2.92E-11	5.81E-10
2666	471716.92	3819092.22	1.51E-09	6.35E-09	5.72E-10	8.43E-09	1.26E-09	4.66E-09	4.10E-10	6.33E-09	1.43E-10	8.17E-10	9.75E-11	1.06E-09	1.30E-10	4.28E-10	2.95E-11	5.87E-10
2667	471720.48	3819101.06	1.53E-09	6.41E-09	5.77E-10	8.51E-09	1.27E-09	4.71E-09	4.14E-10	6.39E-09	1.44E-10	8.25E-10	9.84E-11	1.07E-09	1.31E-10	4.32E-10	2.98E-11	5.93E-10
2668	471724.04	3819109.91	1.54E-09	6.47E-09	5.83E-10	8.59E-09	1.28E-09	4.75E-09	4.18E-10	6.45E-09	1.45E-10	8.33E-10	9.94E-11	1.08E-09	1.32E-10	4.36E-10	3.01E-11	5.98E-10
2669	471727.6	3819118.75	1.55E-09	6.53E-09	5.88E-10	8.67E-09	1.29E-09	4.80E-09	4.22E-10	6.51E-09	1.47E-10	8.40E-10	1.00E-10	1.09E-09	1.33E-10	4.40E-10	3.03E-11	6.04E-10
2670	471731.16	3819127.6	1.57E-09	6.58E-09	5.93E-10	8.74E-09	1.31E-09	4.84E-09	4.25E-10	6.57E-09	1.48E-10	8.47E-10	1.01E-10	1.10E-09	1.35E-10	4.44E-10	3.06E-11	6.09E-10
2671	471741.84	3819154.13	1.60E-09	6.74E-09	6.07E-10	8.95E-09	1.34E-09	4.95E-09	4.36E-10	6.72E-09	1.52E-10	8.68E-10	1.04E-10	1.12E-09	1.38E-10	4.54E-10	3.13E-11	6.23E-10
2672	471745.4	3819162.98	1.62E-09	6.79E-09	6.11E-10	9.01E-09	1.35E-09	4.99E-09	4.39E-10	6.77E-09	1.53E-10	8.73E-10	1.04E-10	1.13E-09	1.39E-10	4.57E-10	3.15E-11	6.28E-10
2673	471748.97	3819171.82	1.63E-09	6.83E-09	6.15E-10	9.07E-09	1.35E-09	5.02E-09	4.42E-10	6.82E-09	1.54E-10	8.79E-10	1.05E-10	1.14E-09	1.40E-10	4.60E-10	3.17E-11	6.32E-10
2674	471752.53	3819180.67	1.64E-09	6.88E-09	6.19E-10	9.13E-09	1.36E-09	5.05E-09	4.45E-10	6.86E-09	1.55E-10	8.85E-10	1.06E-10	1.15E-09	1.41E-10	4.64E-10	3.20E-11	6.36E-10
2675	471756.09	3819189.51	1.65E-09	6.92E-09	6.23E-10	9.19E-09	1.37E-09	5.09E-09	4.47E-10	6.91E-09	1.56E-10	8.91E-10	1.06E-10	1.15E-09	1.41E-10	4.66E-10	3.22E-11	6.40E-10
2676	471759.65	3819198.36	1.66E-09	6.96E-09	6.27E-10	9.25E-09	1.38E-09	5.12E-09	4.50E-10	6.95E-09	1.57E-10	8.96E-10	1.07E-10	1.16E-09	1.42E-10	4.69E-10	3.23E-11	6.44E-10
2677	471763.21	3819207.21	1.67E-09	7.00E-09	6.31E-10	9.30E-09	1.39E-09	5.14E-09	4.53E-10	6.99E-09	1.57E-10	9.01E-10	1.08E-10	1.17E-09	1.43E-10	4.72E-10	3.25E-11	6.48E-10
2678	471766.77	3819216.05	1.68E-09	7.04E-09	6.34E-10	9.35E-09	1.40E-09	5.17E-09	4.55E-10	7.02E-09	1.58E-10	9.06E-10	1.08E-10	1.17E-09	1.44E-10	4.74E-10	3.27E-11	6.51E-10
2679	471770.33	3819224.9	1.68E-09	7.07E-09	6.37E-10	9.40E-09	1.40E-09	5.20E-09	4.57E-10	7.06E-09	1.59E-10	9.11E-10	1.09E-10	1.18E-09	1.45E-10	4.77E-10	3.29E-11	6.54E-10
2680	470302.24	3817738.72	9.72E-10	4.08E-09	3.67E-10	5.42E-09	8.09E-10	3.00E-09	2.64E-10	4.07E-09	9.17E-11	5.25E-10	6.27E-11	6.80E-10	8.34E-11	2.75E-10	1.90E-11	3.77E-10
2681	470292.68	3817738.58	9.86E-10	4.14E-09	3.73E-10	5.50E-09	8.21E-10	3.04E-09	2.68E-10	4.13E-09	9.31E-11	5.33E-10	6.36E-11	6.90E-10	8.46E-11	2.79E-10	1.92E-11	3.83E-10
2682	470283.12	3817738.45	9.99E-10	4.20E-09	3.78E-10	5.57E-09	8.32E-10	3.08E-09	2.71E-10	4.19E-09	9.43E-11	5.40E-10	6.44E-11	6.99E-10	8.58E-11	2.83E-10	1.95E-11	3.88E-10
2683	470273.56	3817738.31	1.01E-09	4.25E-09	3.83E-10	5.65E-09	8.44E-10	3.12E-09	2.75E-10	4.24E-09	9.56E-11	5.47E-10	6.53E-11	7.08E-10	8.69E-11	2.87E-10	1.98E-11	3.93E-10
2684	470264	3817738.18	1.03E-09	4.31E-09	3.88E-10	5.72E-09	8.54E-10	3.17E-09	2.78E-10	4.30E-09	9.69E-11	5.55E-10	6.62E-11	7.18E-10	8.81E-11	2.90E-10	2.00E-11	3.98E-10
2685	470254.43	3817738.04	1.04E-09	4.37E-09	3.93E-10	5.80E-09	8.66E-10	3.21E-09	2.82E-10	4.36E-09	9.82E-11	5.62E-10	6.70E-11	7.27E-10	8.92E-11	2.94E-10	2.03E-11	4.04E-10
2686	470244.87	3817737.91	1.05E-09	4.42E-09	3.98E-10	5.87E-09	8.77E-10	3.25E-09	2.86E-10	4.41E-09	9.94E-11	5.69E-10	6.79E-11	7.36E-10	9.04E-11	2.98E-10	2.05E-11	4.09E-10
2687	470235.31	3817737.77	1.07E-09	4.47E-09	4.03E-10	5.94E-09	8.88E-10	3.29E-09	2.89E-10	4.46E-09	1.01E-10	5.76E-10	6.87E-11	7.45E-10	9.15E-11	3.02E-10	2.08E-11	4.14E-10
2688	470225.75	3817737.64	1.08E-09	4.53E-09	4.08E-10	6.01E-09	8.98E-10	3.33E-09	2.93E-10	4.52E-09	1.02E-10	5.83E-10	6.95E-11	7.54E-10	9.25E-11	3.05E-10	2.10E-11	4.19E-10
2689	470216.18	3817737.5	1.09E-09	4.58E-09	4.12E-10	6.08E-09	9.08E-10	3.36E-09	2.96E-10	4.57E-09	1.03E-10	5.89E-10	7.03E-11	7.63E-10	9.36E-11	3.09E-10	2.13E-11	4.23E-10
2690	470206.62	3817737.37	1.10E-09	4.62E-09	4.16E-10	6.14E-09	9.17E-10	3.40E-09	2.99E-10	4.61E-09	1.04E-10	5.95E-10	7.10E-11	7.70E-10	9.45E-11	3.12E-10	2.15E-11	4.28E-10
2691	470197.06	3817737.23	1.11E-09	4.67E-09	4.20E-10	6.20E-09	9.26E-10	3.43E-09	3.02E-10	4.66E-09	1.05E-10	6.01E-10	7.17E-11	7.78E-10	9.54E-11	3.15E-10	2.17E-11	4.32E-10
2692	470187.5	3817737.1	1.12E-09	4.71E-09	4.24E-10	6.25E-09	9.34E-10	3.46E-09	3.04E-10	4.70E-09	1.06E-10	6.06E-10	7.23E-11	7.84E-10	9.62E-11	3.17E-10	2.19E-11	4.35E-10
2693	470177.94	3817736.96	1.13E-09	4.74E-09	4.27E-10	6.30E-09	9.41E-10	3.48E-09	3.07E-10	4.73E-09	1.07E-10	6.11E-10	7.28E-11	7.90E-10	9.69E-11	3.20E-10	2.20E-11	4.39E-10
2694	470168.37	3817736.83	1.14E-09	4.77E-09	4.30E-10	6.34E-09	9.47E-10	3.51E-09	3.09E-10	4.76E-09	1.07E-10	6.15E-10	7.33E-11	7.95E-10	9.76E-11	3.22E-10	2.22E-11	4.42E-10
2695	470158.81	3817736.69	1.14E-09	4.80E-09	4.33E-10	6.38E-09	9.53E-10	3.53E-09	3.10E-10	4.79E-09	1.08E-10	6.18E-10	7.38E-11	8.00E-10	9.82E-11	3.24E-10	2.23E-11	4.44E-10
2696	470095.19	3819211.76	1.21E-07	5.08E-07	4.58E-08	6.75E-07	1.01E-07	3.73E-07	3.28E-08	5.07E-07	1.14E-08	6.54E-08	7.80E-09	8.46E-08	1.04E-08	3.43E-08	2.36E-09	4.70E-08
2697	470088.24	3819204.57	1.01E-07	4.26E-07	3.84E-08	5.66E-07	8.45E-08	3.13E-07	2.75E-08	4.25E-07	9.58E-09	5.48E-08	6.54E-09	7.10E-08	8.71E-09	2.87E-08	1.98E-09	3.94E-08
2698	470070.39	3819208.92	7.91E-08	3.32E-07	2.99E-08	4.41E-07	6.59E-08	2.44E-07	2.15E-08	3.31E-07	7.47E-09	4.28E-08	5.10E-09	5.53E-08	6.79E-09	2.24E-08	1.54E-09	3.07E-08
2699	470083.07	3819196.68	8.84E-08	3.71E-07	3.34E-08	4.93E-07	7.36E-08	2.73E-07	2.40E-08	3.70E-07	8.35E-09	4.78E-08	5.70E-09	6.18E-08	7.59E-09	2.50E-08	1.72E-09	3.43E-08

2700	470091.93	3819193.17	9.74E-08	4.09E-07	3.68E-08	5.43E-07	8.11E-08	3.00E-07	2.64E-08	4.08E-07	9.19E-09	5.26E-08	6.28E-09	6.81E-08	8.36E-09	2.76E-08	1.90E-09	3.78E-08
2701	470100.79	3819189.66	1.06E-07	4.46E-07	4.01E-08	5.92E-07	8.84E-08	3.27E-07	2.88E-08	4.45E-07	1.00E-08	5.74E-08	6.84E-09	7.42E-08	9.11E-09	3.00E-08	2.07E-09	4.12E-08
2702	470059.94	3819209.77	6.80E-08	2.85E-07	2.57E-08	3.79E-07	5.66E-08	2.10E-07	1.85E-08	2.85E-07	6.42E-09	3.67E-08	4.38E-09	4.75E-08	5.84E-09	1.92E-08	1.33E-09	2.64E-08
2703	470063.6	3819201.38	6.89E-08	2.89E-07	2.61E-08	3.84E-07	5.74E-08	2.13E-07	1.87E-08	2.89E-07	6.51E-09	3.73E-08	4.45E-09	4.82E-08	5.92E-09	1.95E-08	1.34E-09	2.68E-08
2704	470075.76	3819189.63	7.61E-08	3.20E-07	2.88E-08	4.25E-07	6.34E-08	2.35E-07	2.07E-08	3.19E-07	7.19E-09	4.12E-08	4.91E-09	5.33E-08	6.54E-09	2.16E-08	1.49E-09	2.96E-08
2705	470084.27	3819186.26	8.31E-08	3.49E-07	3.14E-08	4.63E-07	6.92E-08	2.56E-07	2.26E-08	3.48E-07	7.85E-09	4.49E-08	5.36E-09	5.81E-08	7.13E-09	2.35E-08	1.62E-09	3.23E-08
2706	470092.78	3819182.89	9.00E-08	3.78E-07	3.40E-08	5.02E-07	7.49E-08	2.78E-07	2.44E-08	3.77E-07	8.49E-09	4.86E-08	5.80E-09	6.29E-08	7.72E-09	2.55E-08	1.76E-09	3.49E-08
2707	470101.29	3819179.52	9.64E-08	4.05E-07	3.65E-08	5.38E-07	8.03E-08	2.98E-07	2.62E-08	4.04E-07	9.10E-09	5.21E-08	6.22E-09	6.74E-08	8.28E-09	2.73E-08	1.88E-09	3.74E-08
2708	470049.63	3819210.27	5.88E-08	2.47E-07	2.23E-08	3.28E-07	4.90E-08	1.82E-07	1.60E-08	2.47E-07	5.56E-09	3.18E-08	3.79E-09	4.12E-08	5.05E-09	1.67E-08	1.15E-09	2.29E-08
2709	470056.75	3819193.96	6.07E-08	2.55E-07	2.29E-08	3.38E-07	5.05E-08	1.87E-07	1.65E-08	2.54E-07	5.73E-09	3.28E-08	3.91E-09	4.24E-08	5.21E-09	1.72E-08	1.18E-09	2.36E-08
2710	470068.58	3819182.53	6.65E-08	2.79E-07	2.51E-08	3.71E-07	5.54E-08	2.05E-07	1.80E-08	2.79E-07	6.28E-09	3.59E-08	4.29E-09	4.65E-08	5.71E-09	1.88E-08	1.30E-09	2.58E-08
2711	470085.12	3819175.98	7.75E-08	3.26E-07	2.93E-08	4.32E-07	6.46E-08	2.39E-07	2.10E-08	3.25E-07	7.32E-09	4.19E-08	5.00E-09	5.42E-08	6.66E-09	2.19E-08	1.51E-09	3.01E-08
2712	470039.42	3819210.57	5.13E-08	2.15E-07	1.94E-08	2.86E-07	4.27E-08	1.58E-07	1.39E-08	2.15E-07	4.84E-09	2.77E-08	3.31E-09	3.59E-08	4.40E-09	1.45E-08	1.00E-09	1.99E-08
2713	470046.39	3819194.59	5.33E-08	2.24E-07	2.01E-08	2.97E-07	4.44E-08	1.64E-07	1.45E-08	2.23E-07	5.03E-09	2.88E-08	3.44E-09	3.73E-08	4.57E-09	1.51E-08	1.04E-09	2.07E-08
2714	470061.46	3819175.4	5.86E-08	2.46E-07	2.22E-08	3.27E-07	4.88E-08	1.81E-07	1.59E-08	2.46E-07	5.54E-09	3.17E-08	3.78E-09	4.10E-08	5.03E-09	1.66E-08	1.14E-09	2.28E-08
2715	470077.67	3819168.99	6.77E-08	2.84E-07	2.56E-08	3.78E-07	5.64E-08	2.09E-07	1.84E-08	2.84E-07	6.39E-09	3.66E-08	4.37E-09	4.74E-08	5.81E-09	1.92E-08	1.32E-09	2.63E-08
2716	470093.87	3819162.57	7.63E-08	3.20E-07	2.89E-08	4.25E-07	6.35E-08	2.35E-07	2.07E-08	3.20E-07	7.20E-09	4.12E-08	4.92E-09	5.34E-08	6.55E-09	2.16E-08	1.49E-09	2.96E-08
2717	470029.26	3819210.75	4.50E-08	1.89E-07	1.70E-08	2.51E-07	3.75E-08	1.39E-07	1.22E-08	1.88E-07	4.25E-09	2.43E-08	2.90E-09	3.15E-08	3.86E-09	1.27E-08	8.78E-10	1.75E-08
2718	470036.12	3819195.02	4.69E-08	1.97E-07	1.77E-08	2.62E-07	3.91E-08	1.45E-07	1.27E-08	1.97E-07	4.43E-09	2.54E-08	3.03E-09	3.28E-08	4.03E-09	1.33E-08	9.16E-10	1.82E-08
2719	470042.98	3819179.29	4.82E-08	2.02E-07	1.82E-08	2.69E-07	4.02E-08	1.49E-07	1.31E-08	2.02E-07	4.55E-09	2.61E-08	3.11E-09	3.37E-08	4.14E-09	1.36E-08	9.41E-10	1.87E-08
2720	470054.38	3819168.26	5.22E-08	2.19E-07	1.97E-08	2.91E-07	4.35E-08	1.61E-07	1.42E-08	2.19E-07	4.93E-09	2.82E-08	3.37E-09	3.65E-08	4.48E-09	1.48E-08	1.02E-09	2.03E-08
2721	470070.34	3819161.95	5.97E-08	2.51E-07	2.26E-08	3.33E-07	4.97E-08	1.84E-07	1.62E-08	2.50E-07	5.64E-09	3.23E-08	3.85E-09	4.18E-08	5.13E-09	1.69E-08	1.17E-09	2.32E-08
2722	470086.29	3819155.63	6.70E-08	2.81E-07	2.53E-08	3.74E-07	5.58E-08	2.07E-07	1.82E-08	2.81E-07	6.33E-09	3.62E-08	4.32E-09	4.69E-08	5.75E-09	1.90E-08	1.31E-09	2.60E-08
2723	470020.4	3819207.92	4.00E-08	1.68E-07	1.51E-08	2.23E-07	3.33E-08	1.24E-07	1.09E-08	1.68E-07	3.78E-09	2.16E-08	2.58E-09	2.80E-08	3.44E-09	1.13E-08	7.81E-10	1.56E-08
2724	470024.21	3819199.19	4.11E-08	1.73E-07	1.55E-08	2.29E-07	3.42E-08	1.27E-07	1.12E-08	1.72E-07	3.88E-09	2.22E-08	2.65E-09	2.87E-08	3.53E-09	1.16E-08	8.02E-10	1.60E-08
2725	470028.02	3819190.45	4.20E-08	1.77E-07	1.59E-08	2.34E-07	3.50E-08	1.30E-07	1.14E-08	1.76E-07	3.97E-09	2.27E-08	2.71E-09	2.94E-08	3.61E-09	1.19E-08	8.20E-10	1.63E-08
2726	470031.83	3819181.71	4.28E-08	1.80E-07	1.62E-08	2.39E-07	3.57E-08	1.32E-07	1.16E-08	1.79E-07	4.04E-09	2.31E-08	2.76E-09	2.99E-08	3.67E-09	1.21E-08	8.35E-10	1.66E-08
2727	470035.65	3819172.97	4.34E-08	1.82E-07	1.64E-08	2.42E-07	3.61E-08	1.34E-07	1.18E-08	1.82E-07	4.09E-09	2.34E-08	2.80E-09	3.03E-08	3.72E-09	1.23E-08	8.46E-10	1.68E-08
2728	470048.32	3819160.72	4.71E-08	1.98E-07	1.78E-08	2.63E-07	3.92E-08	1.45E-07	1.28E-08	1.97E-07	4.45E-09	2.55E-08	3.04E-09	3.29E-08	4.04E-09	1.33E-08	9.19E-10	1.83E-08
2729	470057.18	3819157.21	5.06E-08	2.13E-07	1.92E-08	2.82E-07	4.22E-08	1.56E-07	1.37E-08	2.12E-07	4.78E-09	2.74E-08	3.27E-09	3.54E-08	4.35E-09	1.43E-08	9.88E-10	1.97E-08
2730	470066.05	3819153.7	5.42E-08	2.28E-07	2.05E-08	3.03E-07	4.52E-08	1.67E-07	1.47E-08	2.27E-07	5.12E-09	2.93E-08	3.50E-09	3.79E-08	4.66E-09	1.54E-08	1.06E-09	2.11E-08
2731	470074.91	3819150.19	5.78E-08	2.43E-07	2.19E-08	3.22E-07	4.81E-08	1.78E-07	1.57E-08	2.42E-07	5.46E-09	3.12E-08	3.73E-09	4.04E-08	4.96E-09	1.64E-08	1.13E-09	2.24E-08
2732	470083.77	3819146.68	6.12E-08	2.57E-07	2.31E-08	3.41E-07	5.09E-08	1.89E-07	1.66E-08	2.56E-07	5.78E-09	3.31E-08	3.95E-09	4.28E-08	5.25E-09	1.73E-08	1.19E-09	2.38E-08
2733	470092.64	3819143.17	6.42E-08	2.70E-07	2.43E-08	3.58E-07	5.35E-08	1.98E-07	1.74E-08	2.69E-07	6.06E-09	3.47E-08	4.14E-09	4.49E-08	5.51E-09	1.82E-08	1.25E-09	2.49E-08
2734	470101.5	3819139.66	6.69E-08	2.81E-07	2.53E-08	3.73E-07	5.57E-08	2.06E-07	1.82E-08	2.80E-07	6.31E-09	3.61E-08	4.31E-09	4.68E-08	5.74E-09	1.89E-08	1.30E-09	2.60E-08
2735	469999.95	3819208.57	3.16E-08	1.33E-07	1.19E-08	1.76E-07	2.63E-08	9.75E-08	8.57E-09	1.32E-07	2.98E-09	1.71E-08	2.04E-09	2.21E-08	2.71E-09	8.94E-09	6.16E-10	1.23E-08
2736	470003.61	3819200.18	3.25E-08	1.36E-07	1.23E-08	1.81E-07	2.71E-08	1.00E-07	8.82E-09	1.36E-07	3.07E-09	1.76E-08	2.09E-09	2.27E-08	2.79E-09	9.19E-09	6.34E-10	1.26E-08
2737	470007.27	3819191.79	3.33E-08	1.40E-07	1.26E-08	1.86E-07	2.78E-08	1.03E-07	9.05E-09	1.40E-07	3.15E-09	1.80E-08	2.15E-09	2.33E-08	2.86E-09	9.44E-09	6.50E-10	1.29E-08
2738	470010.92	3819183.41	3.41E-08	1.43E-07	1.29E-08	1.90E-07	2.84E-08	1.05E-07	9.26E-09	1.43E-07	3.22E-09	1.84E-08	2.20E-09	2.39E-08	2.93E-09	9.65E-09	6.66E-10	1.32E-08
2739	470014.58	3819175.02	3.48E-08	1.46E-07	1.32E-08	1.94E-07	2.90E-08	1.07E-07	9.44E-09	1.46E-07	3.28E-09	1.88E-08	2.24E-09	2.43E-08	2.99E-09	9.85E-09	6.79E-10	1.35E-08
2740	470018.24	3819166.63	3.53E-08	1.48E-07	1.34E-08	1.97E-07	2.94E-08	1.09E-07	9.59E-09	1.48E-07	3.34E-09	1.91E-08	2.28E-09	2.47E-08	3.03E-09	1.00E-08	6.89E-10	1.37E-08
2741	470021.9	3819158.24	3.56E-08	1.50E-07	1.35E-08	1.99E-07	2.97E-08	1.10E-07	9.68E-09	1.49E-07	3.37E-09	1.93E-08	2.30E-09	2.49E-08	3.06E-09	1.01E-08	6.95E-10	1.38E-08
2742	470034.07	3819146.48	3.83E-08	1.61E-07	1.45E-08	2.13E-07	3.19E-08	1.18E-07	1.04E-08	1.60E-07	3.61E-09	2.07E-08	2.47E-09	2.68E-08	3.29E-09	1.08E-08	7.47E-10	1.49E-08
2743	470042.58	3819143.11	4.08E-08	1.71E-07	1.54E-08	2.28E-07	3.40E-08	1.26E-07	1.11E-08	1.71E-07	3.85E-09	2.21E-08	2.63E-09	2.85E-08	3.50E-09	1.15E-08	7.96E-10	1.58E-08
2744	470051.08	3819139.74	4.33E-08	1.82E-07	1.64E-08	2.42E-07	3.61E-08	1.34E-07	1.18E-08	1.82E-07	4.09E-09	2.34E-08	2.80E-09	3.03E-08	3.72E-09	1.23E-08	8.46E-10	1.68E-08
2745	470059.59	3819136.37	4.60E-08	1.93E-07	1.74E-08	2.56E-07	3.83E-08	1.42E-07	1.25E-08	1.93E-07	4.34E-09	2.48E-08	2.96E-09	3.21E-08	3.94E-09	1.30E-08	8.97E-10	1.78E-08
2746	470068.1	3819133	4.85E-08	2.04E-07	1.83E-08	2.71E-07	4.04E-08	1.50E-07	1.32E-08	2.03E-07	4.58E-09	2.62E-08	3.13E-09	3.39E-08	4.16E-09	1.37E-08	9.47E-10	1.88E-08
2747	470076.61	3819129.63	5.09E-08	2.14E-07	1.93E-08	2.84E-07	4.24E-08	1.57E-07	1.38E-08	2.13E-07	4.81E-09	2.75E-08	3.28E-09	3.56E-08	4.37E-09	1.44E-08	9.94E-10	1.98E-08
2748	470085.12	3819126.26	5.31E-08	2.23E-07	2.01E-08	2.96E-07	4.42E-08	1.64E-07	1.44E-08	2.23E-07	5.01E-09	2.87E-08	3.43E-09	3.71E-08	4.56E-09	1.50E-08	1.04E-09	2.06E-08
2749	470093.63	3819122.89	5.50E-08	2.31E-07	2.08E-08	3.07E-07	4.58E-08	1.70E-07	1.49E-08	2.31E-07	5.20E-09	2.98E-08	3.55E-09	3.85E-08	4.72E-09	1.56E-08	1.07E-09	2.14E-08
2750	470102.14	3819119.52	5.67E-08	2.38E-07	2.15E-08	3.16E-07	4.72E-08	1.75E-07	1.54E-08	2.38E-07	5.36E-09	3.07E-08	3.66E-09	3.97E-08	4.87E-09	1.61E-08	1.11E-09	2.20E-08

2751	469979.65	3819208.87	2.54E-08	1.07E-07	9.59E-09	1.42E-07	2.11E-08	7.83E-08	6.89E-09	1.06E-07	2.40E-09	1.37E-08	1.64E-09	1.77E-08	2.18E-09	7.18E-09	4.95E-10	9.85E-09
2752	469986.76	3819192.56	2.68E-08	1.13E-07	1.01E-08	1.50E-07	2.23E-08	8.28E-08	7.28E-09	1.12E-07	2.53E-09	1.45E-08	1.73E-09	1.88E-08	2.30E-09	7.59E-09	5.23E-10	1.04E-08
2753	469993.88	3819176.25	2.82E-08	1.18E-07	1.07E-08	1.57E-07	2.35E-08	8.69E-08	7.65E-09	1.18E-07	2.66E-09	1.52E-08	1.82E-09	1.97E-08	2.42E-09	7.98E-09	5.50E-10	1.09E-08
2754	470000.99	3819159.94	2.92E-08	1.23E-07	1.10E-08	1.63E-07	2.43E-08	9.01E-08	7.93E-09	1.22E-07	2.76E-09	1.58E-08	1.88E-09	2.04E-08	2.51E-09	8.27E-09	5.70E-10	1.13E-08
2755	470008.1	3819143.63	2.98E-08	1.25E-07	1.13E-08	1.66E-07	2.48E-08	9.19E-08	8.08E-09	1.25E-07	2.81E-09	1.61E-08	1.92E-09	2.08E-08	2.56E-09	8.43E-09	5.81E-10	1.16E-08
2756	470019.93	3819132.19	3.18E-08	1.34E-07	1.20E-08	1.77E-07	2.65E-08	9.81E-08	8.63E-09	1.33E-07	3.00E-09	1.72E-08	2.05E-09	2.22E-08	2.73E-09	9.00E-09	6.20E-10	1.23E-08
2757	470036.48	3819125.64	3.56E-08	1.50E-07	1.35E-08	1.99E-07	2.97E-08	1.10E-07	9.67E-09	1.49E-07	3.37E-09	1.93E-08	2.30E-09	2.49E-08	3.06E-09	1.01E-08	6.95E-10	1.38E-08
2758	470053.02	3819119.09	3.95E-08	1.66E-07	1.49E-08	2.20E-07	3.29E-08	1.22E-07	1.07E-08	1.65E-07	3.73E-09	2.13E-08	2.54E-09	2.76E-08	3.39E-09	1.12E-08	7.70E-10	1.53E-08
2759	470069.56	3819112.54	4.30E-08	1.81E-07	1.63E-08	2.40E-07	3.58E-08	1.33E-07	1.17E-08	1.80E-07	4.06E-09	2.33E-08	2.78E-09	3.01E-08	3.69E-09	1.22E-08	8.40E-10	1.67E-08
2760	469960.24	3819207.13	2.08E-08	8.75E-08	7.88E-09	1.16E-07	1.74E-08	6.43E-08	5.66E-09	8.73E-08	1.97E-09	1.13E-08	1.34E-09	1.46E-08	1.79E-09	5.90E-09	4.07E-10	8.09E-09
2761	469963.99	3819198.52	2.15E-08	9.02E-08	8.12E-09	1.20E-07	1.79E-08	6.63E-08	5.83E-09	9.00E-08	2.03E-09	1.16E-08	1.39E-09	1.50E-08	1.84E-09	6.08E-09	4.19E-10	8.34E-09
2762	469967.74	3819189.92	2.21E-08	9.29E-08	8.37E-09	1.23E-07	1.84E-08	6.83E-08	6.01E-09	9.27E-08	2.09E-09	1.20E-08	1.43E-09	1.55E-08	1.90E-09	6.26E-09	4.32E-10	8.60E-09
2763	469971.5	3819181.31	2.28E-08	9.56E-08	8.61E-09	1.27E-07	1.90E-08	7.03E-08	6.18E-09	9.54E-08	2.15E-09	1.23E-08	1.47E-09	1.59E-08	1.95E-09	6.44E-09	4.44E-10	8.84E-09
2764	469975.25	3819172.71	2.34E-08	9.82E-08	8.84E-09	1.30E-07	1.95E-08	7.21E-08	6.35E-09	9.80E-08	2.21E-09	1.26E-08	1.51E-09	1.64E-08	2.01E-09	6.62E-09	4.56E-10	9.08E-09
2765	469979	3819164.11	2.39E-08	1.00E-07	9.05E-09	1.33E-07	1.99E-08	7.38E-08	6.50E-09	1.00E-07	2.26E-09	1.29E-08	1.54E-09	1.67E-08	2.05E-09	6.77E-09	4.67E-10	9.29E-09
2766	469982.75	3819155.5	2.44E-08	1.02E-07	9.22E-09	1.36E-07	2.03E-08	7.52E-08	6.62E-09	1.02E-07	2.30E-09	1.32E-08	1.57E-09	1.71E-08	2.09E-09	6.90E-09	4.76E-10	9.47E-09
2767	469986.5	3819146.9	2.47E-08	1.04E-07	9.36E-09	1.38E-07	2.06E-08	7.64E-08	6.72E-09	1.04E-07	2.34E-09	1.34E-08	1.60E-09	1.73E-08	2.12E-09	7.01E-09	4.83E-10	9.61E-09
2768	469990.26	3819138.3	2.50E-08	1.05E-07	9.47E-09	1.40E-07	2.08E-08	7.72E-08	6.79E-09	1.05E-07	2.36E-09	1.35E-08	1.61E-09	1.75E-08	2.15E-09	7.09E-09	4.88E-10	9.72E-09
2769	469994.01	3819129.69	2.53E-08	1.06E-07	9.56E-09	1.41E-07	2.11E-08	7.80E-08	6.86E-09	1.06E-07	2.39E-09	1.37E-08	1.63E-09	1.77E-08	2.17E-09	7.16E-09	4.93E-10	9.82E-09
2770	470006.49	3819117.63	2.70E-08	1.14E-07	1.02E-08	1.51E-07	2.25E-08	8.34E-08	7.34E-09	1.13E-07	2.55E-09	1.46E-08	1.74E-09	1.89E-08	2.32E-09	7.65E-09	5.28E-10	1.05E-08
2771	470015.21	3819114.18	2.86E-08	1.20E-07	1.08E-08	1.60E-07	2.38E-08	8.84E-08	7.77E-09	1.20E-07	2.70E-09	1.55E-08	1.85E-09	2.00E-08	2.46E-09	8.10E-09	5.59E-10	1.11E-08
2772	470058.85	3819096.89	3.64E-08	1.53E-07	1.38E-08	2.03E-07	3.03E-08	1.12E-07	9.87E-09	1.52E-07	3.43E-09	1.97E-08	2.35E-09	2.54E-08	3.12E-09	1.03E-08	7.10E-10	1.41E-08
2773	470067.57	3819093.44	3.77E-08	1.58E-07	1.43E-08	2.10E-07	3.14E-08	1.16E-07	1.02E-08	1.58E-07	3.56E-09	2.04E-08	2.43E-09	2.64E-08	3.24E-09	1.07E-08	7.36E-10	1.47E-08
2774	470076.3	3819089.98	3.90E-08	1.64E-07	1.47E-08	2.17E-07	3.24E-08	1.20E-07	1.06E-08	1.63E-07	3.68E-09	2.11E-08	2.51E-09	2.73E-08	3.34E-09	1.10E-08	7.60E-10	1.51E-08
2775	470085.03	3819086.52	4.01E-08	1.68E-07	1.52E-08	2.23E-07	3.34E-08	1.24E-07	1.09E-08	1.68E-07	3.78E-09	2.17E-08	2.58E-09	2.80E-08	3.44E-09	1.13E-08	7.82E-10	1.56E-08
2776	470093.76	3819083.07	4.10E-08	1.72E-07	1.55E-08	2.29E-07	3.41E-08	1.27E-07	1.11E-08	1.72E-07	3.87E-09	2.22E-08	2.64E-09	2.87E-08	3.52E-09	1.16E-08	8.00E-10	1.59E-08
2777	470102.48	3819079.61	4.17E-08	1.75E-07	1.58E-08	2.33E-07	3.48E-08	1.29E-07	1.13E-08	1.75E-07	3.94E-09	2.26E-08	2.69E-09	2.92E-08	3.58E-09	1.18E-08	8.14E-10	1.62E-08
2778	469939.96	3819207.37	1.72E-08	7.23E-08	6.51E-09	9.61E-08	1.43E-08	5.32E-08	4.68E-09	7.22E-08	1.63E-09	9.31E-09	1.11E-09	1.20E-08	1.48E-09	4.88E-09	3.36E-10	6.69E-09
2779	469943.62	3819198.98	1.77E-08	7.45E-08	6.71E-09	9.90E-08	1.48E-08	5.47E-08	4.82E-09	7.43E-08	1.68E-09	9.59E-09	1.14E-09	1.24E-08	1.52E-09	5.02E-09	3.46E-10	6.89E-09
2780	469947.28	3819190.59	1.83E-08	7.67E-08	6.91E-09	1.02E-07	1.52E-08	5.64E-08	4.96E-09	7.66E-08	1.73E-09	9.88E-09	1.18E-09	1.28E-08	1.57E-09	5.17E-09	3.57E-10	7.10E-09
2781	469950.94	3819182.2	1.88E-08	7.90E-08	7.11E-09	1.05E-07	1.57E-08	5.80E-08	5.11E-09	7.88E-08	1.78E-09	1.02E-08	1.21E-09	1.32E-08	1.61E-09	5.32E-09	3.67E-10	7.31E-09
2782	469954.59	3819173.82	1.93E-08	8.12E-08	7.31E-09	1.08E-07	1.61E-08	5.97E-08	5.25E-09	8.10E-08	1.83E-09	1.05E-08	1.25E-09	1.35E-08	1.66E-09	5.47E-09	3.77E-10	7.51E-09
2783	469958.25	3819165.43	1.98E-08	8.33E-08	7.50E-09	1.11E-07	1.65E-08	6.12E-08	5.39E-09	8.31E-08	1.87E-09	1.07E-08	1.28E-09	1.39E-08	1.70E-09	5.62E-09	3.87E-10	7.71E-09
2784	469961.91	3819157.04	2.03E-08	8.53E-08	7.68E-09	1.13E-07	1.69E-08	6.27E-08	5.52E-09	8.51E-08	1.92E-09	1.10E-08	1.31E-09	1.42E-08	1.74E-09	5.75E-09	3.96E-10	7.89E-09
2785	469965.57	3819148.65	2.07E-08	8.71E-08	7.84E-09	1.16E-07	1.73E-08	6.40E-08	5.63E-09	8.69E-08	1.96E-09	1.12E-08	1.34E-09	1.45E-08	1.78E-09	5.87E-09	4.05E-10	8.05E-09
2786	469969.23	3819140.26	2.11E-08	8.86E-08	7.98E-09	1.18E-07	1.76E-08	6.51E-08	5.73E-09	8.84E-08	1.99E-09	1.14E-08	1.36E-09	1.48E-08	1.81E-09	5.97E-09	4.12E-10	8.20E-09
2787	469972.89	3819131.87	2.14E-08	8.98E-08	8.09E-09	1.19E-07	1.78E-08	6.60E-08	5.81E-09	8.96E-08	2.02E-09	1.16E-08	1.38E-09	1.50E-08	1.84E-09	6.06E-09	4.17E-10	8.31E-09
2788	469976.54	3819123.48	2.16E-08	9.08E-08	8.18E-09	1.21E-07	1.80E-08	6.67E-08	5.87E-09	9.06E-08	2.04E-09	1.17E-08	1.40E-09	1.51E-08	1.86E-09	6.12E-09	4.22E-10	8.40E-09
2789	469980.2	3819115.1	2.18E-08	9.16E-08	8.25E-09	1.22E-07	1.82E-08	6.73E-08	5.92E-09	9.14E-08	2.06E-09	1.18E-08	1.41E-09	1.53E-08	1.87E-09	6.18E-09	4.26E-10	8.47E-09
2790	470009.39	3819096.6	2.57E-08	1.08E-07	9.71E-09	1.43E-07	2.14E-08	7.93E-08	6.97E-09	1.08E-07	2.43E-09	1.39E-08	1.66E-09	1.80E-08	2.20E-09	7.27E-09	5.01E-10	9.98E-09
2791	470017.9	3819093.23	2.69E-08	1.13E-07	1.02E-08	1.50E-07	2.24E-08	8.31E-08	7.31E-09	1.13E-07	2.54E-09	1.46E-08	1.74E-09	1.88E-08	2.31E-09	7.63E-09	5.26E-10	1.05E-08
2792	470026.4	3819089.86	2.82E-08	1.18E-07	1.07E-08	1.57E-07	2.35E-08	8.69E-08	7.65E-09	1.18E-07	2.66E-09	1.52E-08	1.82E-09	1.97E-08	2.42E-09	7.98E-09	5.50E-10	1.09E-08
2793	470034.91	3819086.49	2.94E-08	1.23E-07	1.11E-08	1.64E-07	2.45E-08	9.07E-08	7.98E-09	1.23E-07	2.77E-09	1.59E-08	1.90E-09	2.06E-08	2.52E-09	8.32E-09	5.73E-10	1.14E-08
2794	470043.42	3819083.12	3.06E-08	1.28E-07	1.16E-08	1.70E-07	2.55E-08	9.43E-08	8.29E-09	1.28E-07	2.89E-09	1.65E-08	1.97E-09	2.14E-08	2.62E-09	8.65E-09	5.96E-10	1.19E-08
2795	470051.93	3819079.75	3.17E-08	1.33E-07	1.20E-08	1.77E-07	2.64E-08	9.77E-08	8.60E-09	1.33E-07	2.99E-09	1.71E-08	2.04E-09	2.22E-08	2.72E-09	8.96E-09	6.18E-10	1.23E-08
2796	470060.44	3819076.38	3.27E-08	1.37E-07	1.24E-08	1.82E-07	2.72E-08	1.01E-07	8.88E-09	1.37E-07	3.09E-09	1.77E-08	2.11E-09	2.29E-08	2.81E-09	9.26E-09	6.38E-10	1.27E-08
2797	470068.95	3819073.01	3.37E-08	1.41E-07	1.27E-08	1.88E-07	2.80E-08	1.04E-07	9.14E-09	1.41E-07	3.18E-09	1.82E-08	2.17E-09	2.35E-08	2.89E-09	9.53E-09	6.57E-10	1.31E-08
2798	470077.46	3819069.64	3.45E-08	1.45E-07	1.31E-08	1.93E-07	2.88E-08	1.07E-07	9.37E-09	1.45E-07	3.26E-09	1.87E-08	2.23E-09	2.41E-08	2.96E-09	9.77E-09	6.74E-10	1.34E-08
2799	470085.97	3819066.27	3.53E-08	1.48E-07	1.33E-08	1.97E-07	2.94E-08	1.09E-07	9.57E-09	1.48E-07	3.33E-09	1.91E-08	2.27E-09	2.47E-08	3.03E-09	9.98E-09	6.88E-10	1.37E-08
2800	470094.47	3819062.9	3.59E-08	1.51E-07	1.36E-08	2.00E-07	2.99E-08	1.11E-07	9.74E-09	1.50E-07	3.39E-09	1.94E-08	2.31E-09	2.51E-08	3.08E-09	1.02E-08	7.00E-10	1.39E-08
2801	470102.98	3819059.53	3.63E-08	1.53E-07	1.37E-08	2.03E-07	3.03E-08	1.12E-07	9.86E-09	1.52E-07	3.43E-09	1.96E-08	2.34E-09	2.54E-08	3.12E-09	1.03E-08	7.09E-10	1.41E-08

2802	469920.42	3819205.92	1.45E-08	6.08E-08	5.47E-09	8.07E-08	1.21E-08	4.47E-08	3.93E-09	6.07E-08	1.37E-09	7.83E-09	9.34E-10	1.01E-08	1.24E-09	4.10E-09	2.82E-10	5.62E-09
2803	469924.23	3819197.18	1.49E-08	6.27E-08	5.65E-09	8.33E-08	1.24E-08	4.61E-08	4.06E-09	6.26E-08	1.41E-09	8.08E-09	9.64E-10	1.05E-08	1.28E-09	4.23E-09	2.92E-10	5.80E-09
2804	469928.04	3819188.45	1.54E-08	6.47E-08	5.83E-09	8.59E-08	1.28E-08	4.75E-08	4.18E-09	6.45E-08	1.45E-09	8.33E-09	9.94E-10	1.08E-08	1.32E-09	4.36E-09	3.01E-10	5.98E-09
2805	469931.85	3819179.71	1.59E-08	6.67E-08	6.01E-09	8.86E-08	1.32E-08	4.90E-08	4.31E-09	6.65E-08	1.50E-09	8.58E-09	1.02E-09	1.11E-08	1.36E-09	4.49E-09	3.10E-10	6.17E-09
2806	469935.67	3819170.97	1.64E-08	6.87E-08	6.18E-09	9.12E-08	1.36E-08	5.05E-08	4.44E-09	6.85E-08	1.54E-09	8.84E-09	1.05E-09	1.14E-08	1.40E-09	4.63E-09	3.19E-10	6.35E-09
2807	469939.48	3819162.23	1.68E-08	7.06E-08	6.36E-09	9.38E-08	1.40E-08	5.19E-08	4.56E-09	7.05E-08	1.59E-09	9.09E-09	1.08E-09	1.18E-08	1.44E-09	4.76E-09	3.28E-10	6.53E-09
2808	469943.29	3819153.49	1.73E-08	7.25E-08	6.53E-09	9.63E-08	1.44E-08	5.33E-08	4.69E-09	7.23E-08	1.63E-09	9.33E-09	1.11E-09	1.21E-08	1.48E-09	4.89E-09	3.37E-10	6.70E-09
2809	469947.1	3819144.75	1.77E-08	7.42E-08	6.69E-09	9.86E-08	1.47E-08	5.45E-08	4.80E-09	7.41E-08	1.67E-09	9.56E-09	1.14E-09	1.24E-08	1.52E-09	5.00E-09	3.45E-10	6.87E-09
2810	469950.91	3819136.02	1.81E-08	7.58E-08	6.83E-09	1.01E-07	1.50E-08	5.57E-08	4.90E-09	7.57E-08	1.71E-09	9.76E-09	1.16E-09	1.26E-08	1.55E-09	5.11E-09	3.52E-10	7.01E-09
2811	469954.72	3819127.28	1.84E-08	7.71E-08	6.94E-09	1.02E-07	1.53E-08	5.66E-08	4.98E-09	7.69E-08	1.73E-09	9.92E-09	1.18E-09	1.28E-08	1.58E-09	5.20E-09	3.58E-10	7.13E-09
2812	469958.53	3819118.54	1.86E-08	7.81E-08	7.04E-09	1.04E-07	1.55E-08	5.74E-08	5.05E-09	7.80E-08	1.76E-09	1.01E-08	1.20E-09	1.30E-08	1.60E-09	5.27E-09	3.63E-10	7.23E-09
2813	469978.83	3819088.82	2.02E-08	8.47E-08	7.63E-09	1.12E-07	1.68E-08	6.22E-08	5.47E-09	8.45E-08	1.90E-09	1.09E-08	1.30E-09	1.41E-08	1.73E-09	5.71E-09	3.93E-10	7.83E-09
2814	469987.69	3819085.3	2.12E-08	8.91E-08	8.03E-09	1.18E-07	1.77E-08	6.55E-08	5.76E-09	8.89E-08	2.00E-09	1.15E-08	1.37E-09	1.48E-08	1.82E-09	6.01E-09	4.14E-10	8.24E-09
2815	469996.55	3819081.79	2.23E-08	9.36E-08	8.43E-09	1.24E-07	1.86E-08	6.88E-08	6.05E-09	9.34E-08	2.10E-09	1.20E-08	1.44E-09	1.56E-08	1.91E-09	6.31E-09	4.35E-10	8.66E-09
2816	470005.42	3819078.28	2.34E-08	9.81E-08	8.83E-09	1.30E-07	1.95E-08	7.21E-08	6.34E-09	9.79E-08	2.21E-09	1.26E-08	1.51E-09	1.63E-08	2.00E-09	6.61E-09	4.56E-10	9.07E-09
2817	470014.28	3819074.77	2.44E-08	1.03E-07	9.23E-09	1.36E-07	2.03E-08	7.53E-08	6.63E-09	1.02E-07	2.30E-09	1.32E-08	1.57E-09	1.71E-08	2.10E-09	6.91E-09	4.76E-10	9.48E-09
2818	470023.14	3819071.26	2.54E-08	1.07E-07	9.62E-09	1.42E-07	2.12E-08	7.85E-08	6.90E-09	1.07E-07	2.40E-09	1.38E-08	1.64E-09	1.78E-08	2.18E-09	7.20E-09	4.96E-10	9.88E-09
2819	470032.01	3819067.75	2.64E-08	1.11E-07	1.00E-08	1.47E-07	2.20E-08	8.16E-08	7.18E-09	1.11E-07	2.50E-09	1.43E-08	1.70E-09	1.85E-08	2.27E-09	7.48E-09	5.16E-10	1.03E-08
2820	470040.87	3819064.24	2.74E-08	1.15E-07	1.04E-08	1.53E-07	2.28E-08	8.45E-08	7.43E-09	1.15E-07	2.59E-09	1.48E-08	1.77E-09	1.92E-08	2.35E-09	7.75E-09	5.34E-10	1.06E-08
2821	470049.73	3819060.73	2.83E-08	1.19E-07	1.07E-08	1.58E-07	2.36E-08	8.73E-08	7.68E-09	1.19E-07	2.67E-09	1.53E-08	1.82E-09	1.98E-08	2.43E-09	8.01E-09	5.52E-10	1.10E-08
2822	470058.59	3819057.22	2.91E-08	1.22E-07	1.10E-08	1.62E-07	2.42E-08	8.98E-08	7.90E-09	1.22E-07	2.75E-09	1.57E-08	1.88E-09	2.04E-08	2.50E-09	8.24E-09	5.68E-10	1.13E-08
2823	470067.46	3819053.71	2.99E-08	1.25E-07	1.13E-08	1.67E-07	2.49E-08	9.22E-08	8.11E-09	1.25E-07	2.82E-09	1.61E-08	1.93E-09	2.09E-08	2.56E-09	8.45E-09	5.83E-10	1.16E-08
2824	470076.32	3819050.2	3.05E-08	1.28E-07	1.15E-08	1.70E-07	2.54E-08	9.42E-08	8.29E-09	1.28E-07	2.88E-09	1.65E-08	1.97E-09	2.14E-08	2.62E-09	8.64E-09	5.96E-10	1.19E-08
2825	470085.18	3819046.69	3.11E-08	1.31E-07	1.18E-08	1.73E-07	2.59E-08	9.59E-08	8.44E-09	1.30E-07	2.94E-09	1.68E-08	2.01E-09	2.17E-08	2.67E-09	8.80E-09	6.07E-10	1.21E-08
2826	470094.05	3819043.18	3.15E-08	1.32E-07	1.19E-08	1.76E-07	2.63E-08	9.73E-08	8.56E-09	1.32E-07	2.98E-09	1.70E-08	2.03E-09	2.21E-08	2.71E-09	8.93E-09	6.15E-10	1.22E-08
2827	470102.91	3819039.67	3.19E-08	1.34E-07	1.21E-08	1.78E-07	2.65E-08	9.83E-08	8.65E-09	1.34E-07	3.01E-09	1.72E-08	2.06E-09	2.23E-08	2.74E-09	9.02E-09	6.22E-10	1.24E-08
2828	469900.17	3819206.1	1.22E-08	5.13E-08	4.62E-09	6.81E-08	1.02E-08	3.77E-08	3.32E-09	5.12E-08	1.15E-09	6.60E-09	7.88E-10	8.54E-09	1.05E-09	3.46E-09	2.38E-10	4.74E-09
2829	469903.9	3819197.56	1.26E-08	5.30E-08	4.77E-09	7.04E-08	1.05E-08	3.89E-08	3.42E-09	5.29E-08	1.19E-09	6.82E-09	8.14E-10	8.82E-09	1.08E-09	3.57E-09	2.46E-10	4.90E-09
2830	469907.62	3819189.02	1.30E-08	5.45E-08	4.91E-09	7.24E-08	1.08E-08	4.00E-08	3.52E-09	5.44E-08	1.23E-09	7.01E-09	8.37E-10	9.08E-09	1.11E-09	3.67E-09	2.53E-10	5.04E-09
2831	469911.35	3819180.47	1.33E-08	5.60E-08	5.05E-09	7.44E-08	1.11E-08	4.12E-08	3.62E-09	5.59E-08	1.26E-09	7.21E-09	8.61E-10	9.33E-09	1.15E-09	3.78E-09	2.60E-10	5.18E-09
2832	469915.08	3819171.93	1.37E-08	5.76E-08	5.19E-09	7.66E-08	1.14E-08	4.24E-08	3.73E-09	5.75E-08	1.30E-09	7.42E-09	8.85E-10	9.60E-09	1.18E-09	3.89E-09	2.68E-10	5.33E-09
2833	469918.8	3819163.38	1.41E-08	5.93E-08	5.34E-09	7.88E-08	1.18E-08	4.36E-08	3.83E-09	5.92E-08	1.33E-09	7.64E-09	9.11E-10	9.88E-09	1.21E-09	4.00E-09	2.76E-10	5.49E-09
2834	469922.53	3819154.84	1.45E-08	6.10E-08	5.50E-09	8.11E-08	1.21E-08	4.48E-08	3.95E-09	6.09E-08	1.37E-09	7.86E-09	9.37E-10	1.02E-08	1.25E-09	4.11E-09	2.84E-10	5.65E-09
2835	469926.26	3819146.3	1.49E-08	6.27E-08	5.65E-09	8.33E-08	1.24E-08	4.61E-08	4.05E-09	6.26E-08	1.41E-09	8.07E-09	9.63E-10	1.04E-08	1.28E-09	4.23E-09	2.91E-10	5.80E-09
2836	469929.98	3819137.75	1.53E-08	6.43E-08	5.79E-09	8.54E-08	1.27E-08	4.72E-08	4.16E-09	6.41E-08	1.45E-09	8.27E-09	9.87E-10	1.07E-08	1.31E-09	4.33E-09	2.99E-10	5.95E-09
2837	469933.71	3819129.21	1.56E-08	6.56E-08	5.90E-09	8.71E-08	1.30E-08	4.82E-08	4.24E-09	6.54E-08	1.47E-09	8.44E-09	1.01E-09	1.09E-08	1.34E-09	4.42E-09	3.05E-10	6.06E-09
2838	469937.43	3819120.66	1.59E-08	6.67E-08	6.00E-09	8.86E-08	1.32E-08	4.90E-08	4.31E-09	6.65E-08	1.50E-09	8.58E-09	1.02E-09	1.11E-08	1.36E-09	4.49E-09	3.10E-10	6.17E-09
2839	469941.16	3819112.12	1.61E-08	6.77E-08	6.09E-09	8.99E-08	1.34E-08	4.97E-08	4.37E-09	6.75E-08	1.52E-09	8.71E-09	1.04E-09	1.13E-08	1.38E-09	4.56E-09	3.14E-10	6.26E-09
2840	469948.61	3819095.03	1.65E-08	6.94E-08	6.25E-09	9.22E-08	1.38E-08	5.10E-08	4.49E-09	6.92E-08	1.56E-09	8.93E-09	1.07E-09	1.16E-08	1.42E-09	4.68E-09	3.22E-10	6.42E-09
2841	469952.34	3819086.49	1.67E-08	7.01E-08	6.31E-09	9.30E-08	1.39E-08	5.15E-08	4.53E-09	6.99E-08	1.58E-09	9.02E-09	1.08E-09	1.17E-08	1.43E-09	4.72E-09	3.25E-10	6.48E-09
2842	469964.73	3819074.51	1.76E-08	7.41E-08	6.67E-09	9.84E-08	1.47E-08	5.44E-08	4.79E-09	7.39E-08	1.67E-09	9.54E-09	1.14E-09	1.23E-08	1.51E-09	4.99E-09	3.44E-10	6.85E-09
2843	469973.4	3819071.08	1.85E-08	7.77E-08	7.00E-09	1.03E-07	1.54E-08	5.71E-08	5.02E-09	7.75E-08	1.75E-09	1.00E-08	1.19E-09	1.29E-08	1.59E-09	5.24E-09	3.61E-10	7.19E-09
2844	469982.06	3819067.65	1.94E-08	8.13E-08	7.32E-09	1.08E-07	1.61E-08	5.97E-08	5.26E-09	8.11E-08	1.83E-09	1.05E-08	1.25E-09	1.35E-08	1.66E-09	5.48E-09	3.78E-10	7.52E-09
2845	469990.73	3819064.21	2.02E-08	8.49E-08	7.65E-09	1.13E-07	1.68E-08	6.24E-08	5.49E-09	8.47E-08	1.91E-09	1.09E-08	1.30E-09	1.41E-08	1.74E-09	5.72E-09	3.95E-10	7.85E-09
2846	469999.4	3819060.78	2.11E-08	8.85E-08	7.97E-09	1.18E-07	1.76E-08	6.50E-08	5.72E-09	8.83E-08	1.99E-09	1.14E-08	1.36E-09	1.47E-08	1.81E-09	5.97E-09	4.11E-10	8.19E-09
2847	470008.06	3819057.35	2.19E-08	9.20E-08	8.29E-09	1.22E-07	1.83E-08	6.76E-08	5.95E-09	9.18E-08	2.07E-09	1.18E-08	1.41E-09	1.53E-08	1.88E-09	6.20E-09	4.28E-10	8.51E-09
2848	470016.73	3819053.92	2.27E-08	9.55E-08	8.60E-09	1.27E-07	1.89E-08	7.02E-08	6.17E-09	9.53E-08	2.15E-09	1.23E-08	1.47E-09	1.59E-08	1.95E-09	6.44E-09	4.44E-10	8.83E-09
2849	470025.39	3819050.49	2.35E-08	9.88E-08	8.90E-09	1.31E-07	1.96E-08	7.26E-08	6.39E-09	9.86E-08	2.22E-09	1.27E-08	1.52E-09	1.65E-08	2.02E-09	6.66E-09	4.59E-10	9.14E-09
2850	470034.06	3819047.05	2.43E-08	1.02E-07	9.18E-09	1.35E-07	2.02E-08	7.49E-08	6.59E-09	1.02E-07	2.29E-09	1.31E-08	1.57E-09	1.70E-08	2.08E-09	6.87E-09	4.74E-10	9.43E-09
2851	470042.73	3819043.62	2.50E-08	1.05E-07	9.45E-09	1.39E-07	2.08E-08	7.71E-08	6.78E-09	1.05E-07	2.36E-09	1.35E-08	1.61E-09	1.75E-08	2.15E-09	7.07E-09	4.88E-10	9.71E-09
2852	470051.39	3819040.19	2.57E-08	1.08E-07	9.70E-09	1.43E-07	2.14E-08	7.92E-08	6.96E-09	1.07E-07	2.42E-09	1.39E-08	1.65E-09	1.79E-08	2.20E-09	7.26E-09	5.01E-10	9.96E-09

2853	470060.06	3819036.76	2.63E-08	1.10E-07	9.93E-09	1.46E-07	2.19E-08	8.10E-08	7.13E-09	1.10E-07	2.48E-09	1.42E-08	1.69E-09	1.84E-08	2.25E-09	7.43E-09	5.12E-10	1.02E-08
2854	470068.72	3819033.32	2.68E-08	1.13E-07	1.01E-08	1.49E-07	2.23E-08	8.27E-08	7.27E-09	1.12E-07	2.53E-09	1.45E-08	1.73E-09	1.87E-08	2.30E-09	7.58E-09	5.23E-10	1.04E-08
2855	470077.39	3819029.89	2.73E-08	1.14E-07	1.03E-08	1.52E-07	2.27E-08	8.41E-08	7.40E-09	1.14E-07	2.57E-09	1.47E-08	1.76E-09	1.91E-08	2.34E-09	7.72E-09	5.32E-10	1.06E-08
2856	470086.06	3819026.46	2.76E-08	1.16E-07	1.05E-08	1.54E-07	2.30E-08	8.53E-08	7.51E-09	1.16E-07	2.61E-09	1.49E-08	1.78E-09	1.93E-08	2.37E-09	7.83E-09	5.39E-10	1.07E-08
2857	470094.72	3819023.03	2.79E-08	1.17E-07	1.06E-08	1.56E-07	2.33E-08	8.62E-08	7.59E-09	1.17E-07	2.64E-09	1.51E-08	1.80E-09	1.95E-08	2.40E-09	7.91E-09	5.45E-10	1.09E-08
2858	470103.39	3819019.59	2.82E-08	1.18E-07	1.06E-08	1.57E-07	2.35E-08	8.69E-08	7.64E-09	1.18E-07	2.66E-09	1.52E-08	1.82E-09	1.97E-08	2.42E-09	7.97E-09	5.49E-10	1.09E-08
2859	469880.55	3819204.85	1.04E-08	4.38E-08	3.95E-09	5.82E-08	8.69E-09	3.22E-08	2.83E-09	4.37E-08	9.86E-10	5.64E-09	6.73E-10	7.30E-09	8.96E-10	2.95E-09	2.04E-10	4.05E-09
2860	469884.4	3819196.01	1.08E-08	4.52E-08	4.07E-09	6.01E-08	8.97E-09	3.32E-08	2.92E-09	4.51E-08	1.02E-09	5.82E-09	6.95E-10	7.54E-09	9.25E-10	3.05E-09	2.10E-10	4.18E-09
2861	469888.25	3819187.18	1.11E-08	4.66E-08	4.20E-09	6.19E-08	9.24E-09	3.42E-08	3.01E-09	4.65E-08	1.05E-09	6.00E-09	7.16E-10	7.76E-09	9.52E-10	3.14E-09	2.16E-10	4.31E-09
2862	469892.1	3819178.35	1.14E-08	4.79E-08	4.32E-09	6.37E-08	9.51E-09	3.52E-08	3.10E-09	4.78E-08	1.08E-09	6.17E-09	7.36E-10	7.99E-09	9.80E-10	3.23E-09	2.23E-10	4.43E-09
2863	469895.95	3819169.52	1.17E-08	4.93E-08	4.44E-09	6.55E-08	9.78E-09	3.62E-08	3.19E-09	4.92E-08	1.11E-09	6.35E-09	7.57E-10	8.21E-09	1.01E-09	3.32E-09	2.29E-10	4.56E-09
2864	469899.81	3819160.69	1.21E-08	5.08E-08	4.57E-09	6.74E-08	1.01E-08	3.73E-08	3.28E-09	5.06E-08	1.14E-09	6.53E-09	7.80E-10	8.45E-09	1.04E-09	3.42E-09	2.36E-10	4.69E-09
2865	469903.66	3819151.86	1.25E-08	5.23E-08	4.71E-09	6.95E-08	1.04E-08	3.84E-08	3.38E-09	5.22E-08	1.18E-09	6.73E-09	8.03E-10	8.71E-09	1.07E-09	3.53E-09	2.43E-10	4.84E-09
2866	469907.51	3819143.03	1.28E-08	5.38E-08	4.85E-09	7.15E-08	1.07E-08	3.95E-08	3.48E-09	5.37E-08	1.21E-09	6.93E-09	8.26E-10	8.96E-09	1.10E-09	3.63E-09	2.50E-10	4.98E-09
2867	469911.36	3819134.2	1.32E-08	5.53E-08	4.98E-09	7.34E-08	1.10E-08	4.06E-08	3.57E-09	5.51E-08	1.24E-09	7.11E-09	8.49E-10	9.21E-09	1.13E-09	3.73E-09	2.57E-10	5.11E-09
2868	469915.21	3819125.37	1.35E-08	5.66E-08	5.10E-09	7.52E-08	1.12E-08	4.16E-08	3.66E-09	5.65E-08	1.27E-09	7.28E-09	8.69E-10	9.43E-09	1.16E-09	3.81E-09	2.63E-10	5.23E-09
2869	469919.06	3819116.54	1.38E-08	5.78E-08	5.20E-09	7.67E-08	1.15E-08	4.25E-08	3.73E-09	5.76E-08	1.30E-09	7.44E-09	8.87E-10	9.62E-09	1.18E-09	3.89E-09	2.68E-10	5.34E-09
2870	469930.61	3819090.05	1.45E-08	6.07E-08	5.47E-09	8.06E-08	1.20E-08	4.46E-08	3.92E-09	6.06E-08	1.36E-09	7.81E-09	9.32E-10	1.01E-08	1.24E-09	4.09E-09	2.82E-10	5.61E-09
2871	469934.46	3819081.22	1.46E-08	6.14E-08	5.53E-09	8.16E-08	1.22E-08	4.51E-08	3.97E-09	6.13E-08	1.38E-09	7.91E-09	9.44E-10	1.02E-08	1.26E-09	4.14E-09	2.85E-10	5.68E-09
2872	469938.31	3819072.39	1.48E-08	6.20E-08	5.58E-09	8.24E-08	1.23E-08	4.56E-08	4.01E-09	6.19E-08	1.39E-09	7.98E-09	9.52E-10	1.03E-08	1.27E-09	4.18E-09	2.88E-10	5.74E-09
2873	469951.12	3819060.02	1.56E-08	6.55E-08	5.90E-09	8.70E-08	1.30E-08	4.81E-08	4.24E-09	6.54E-08	1.47E-09	8.43E-09	1.01E-09	1.09E-08	1.34E-09	4.42E-09	3.04E-10	6.06E-09
2874	469960.08	3819056.47	1.63E-08	6.86E-08	6.18E-09	9.12E-08	1.36E-08	5.04E-08	4.44E-09	6.85E-08	1.54E-09	8.84E-09	1.05E-09	1.14E-08	1.40E-09	4.63E-09	3.19E-10	6.35E-09
2875	469969.03	3819052.92	1.71E-08	7.18E-08	6.46E-09	9.53E-08	1.42E-08	5.27E-08	4.64E-09	7.16E-08	1.61E-09	9.24E-09	1.10E-09	1.20E-08	1.47E-09	4.84E-09	3.33E-10	6.64E-09
2876	469977.99	3819049.37	1.78E-08	7.49E-08	6.74E-09	9.95E-08	1.49E-08	5.50E-08	4.84E-09	7.47E-08	1.68E-09	9.64E-09	1.15E-09	1.25E-08	1.53E-09	5.05E-09	3.48E-10	6.93E-09
2877	469986.95	3819045.83	1.86E-08	7.80E-08	7.02E-09	1.04E-07	1.55E-08	5.73E-08	5.04E-09	7.78E-08	1.75E-09	1.00E-08	1.20E-09	1.30E-08	1.59E-09	5.26E-09	3.62E-10	7.21E-09
2878	469995.9	3819042.28	1.93E-08	8.10E-08	7.29E-09	1.08E-07	1.61E-08	5.95E-08	5.24E-09	8.08E-08	1.82E-09	1.04E-08	1.24E-09	1.35E-08	1.66E-09	5.46E-09	3.76E-10	7.49E-09
2879	470004.86	3819038.73	2.00E-08	8.40E-08	7.56E-09	1.12E-07	1.67E-08	6.17E-08	5.43E-09	8.38E-08	1.89E-09	1.08E-08	1.29E-09	1.40E-08	1.72E-09	5.66E-09	3.90E-10	7.76E-09
2880	470013.82	3819035.18	2.07E-08	8.69E-08	7.82E-09	1.15E-07	1.72E-08	6.38E-08	5.61E-09	8.67E-08	1.95E-09	1.12E-08	1.33E-09	1.45E-08	1.78E-09	5.85E-09	4.04E-10	8.03E-09
2881	470022.77	3819031.64	2.13E-08	8.96E-08	8.07E-09	1.19E-07	1.78E-08	6.59E-08	5.79E-09	8.95E-08	2.02E-09	1.15E-08	1.38E-09	1.49E-08	1.83E-09	6.04E-09	4.17E-10	8.29E-09
2882	470031.73	3819028.09	2.20E-08	9.23E-08	8.31E-09	1.23E-07	1.83E-08	6.78E-08	5.96E-09	9.21E-08	2.07E-09	1.19E-08	1.42E-09	1.54E-08	1.89E-09	6.22E-09	4.29E-10	8.53E-09
2883	470040.69	3819024.54	2.26E-08	9.47E-08	8.53E-09	1.26E-07	1.88E-08	6.96E-08	6.12E-09	9.45E-08	2.13E-09	1.22E-08	1.45E-09	1.58E-08	1.94E-09	6.38E-09	4.40E-10	8.76E-09
2884	470049.64	3819021	2.31E-08	9.70E-08	8.73E-09	1.29E-07	1.92E-08	7.12E-08	6.27E-09	9.67E-08	2.18E-09	1.25E-08	1.49E-09	1.62E-08	1.98E-09	6.54E-09	4.51E-10	8.97E-09
2885	470058.6	3819017.45	2.36E-08	9.90E-08	8.92E-09	1.31E-07	1.96E-08	7.27E-08	6.40E-09	9.88E-08	2.23E-09	1.27E-08	1.52E-09	1.65E-08	2.02E-09	6.67E-09	4.60E-10	9.16E-09
2886	470067.56	3819013.9	2.40E-08	1.01E-07	9.08E-09	1.34E-07	2.00E-08	7.41E-08	6.52E-09	1.01E-07	2.27E-09	1.30E-08	1.55E-09	1.68E-08	2.06E-09	6.79E-09	4.68E-10	9.32E-09
2887	470076.51	3819010.35	2.44E-08	1.02E-07	9.21E-09	1.36E-07	2.03E-08	7.52E-08	6.61E-09	1.02E-07	2.30E-09	1.32E-08	1.57E-09	1.70E-08	2.09E-09	6.90E-09	4.75E-10	9.46E-09
2888	470085.47	3819006.81	2.47E-08	1.04E-07	9.33E-09	1.38E-07	2.05E-08	7.61E-08	6.69E-09	1.03E-07	2.33E-09	1.33E-08	1.59E-09	1.73E-08	2.12E-09	6.98E-09	4.81E-10	9.58E-09
2889	470094.43	3819003.26	2.49E-08	1.04E-07	9.41E-09	1.39E-07	2.07E-08	7.68E-08	6.75E-09	1.04E-07	2.35E-09	1.34E-08	1.60E-09	1.74E-08	2.14E-09	7.04E-09	4.85E-10	9.66E-09
2890	470103.38	3818999.71	2.50E-08	1.05E-07	9.46E-09	1.40E-07	2.08E-08	7.72E-08	6.79E-09	1.05E-07	2.36E-09	1.35E-08	1.61E-09	1.75E-08	2.15E-09	7.08E-09	4.88E-10	9.72E-09
2891	469860.33	3819204.97	8.98E-09	3.77E-08	3.40E-09	5.01E-08	7.48E-09	2.77E-08	2.44E-09	3.76E-08	8.48E-10	4.86E-09	5.79E-10	6.28E-09	7.71E-10	2.54E-09	1.75E-10	3.49E-09
2892	469864.1	3819196.32	9.23E-09	3.88E-08	3.49E-09	5.15E-08	7.69E-09	2.85E-08	2.51E-09	3.87E-08	8.71E-10	4.99E-09	5.95E-10	6.46E-09	7.92E-10	2.61E-09	1.80E-10	3.58E-09
2893	469867.87	3819187.66	9.49E-09	3.99E-08	3.59E-09	5.29E-08	7.91E-09	2.93E-08	2.58E-09	3.98E-08	8.96E-10	5.13E-09	6.12E-10	6.64E-09	8.15E-10	2.69E-09	1.85E-10	3.69E-09
2894	469871.65	3819179.01	9.77E-09	4.10E-08	3.70E-09	5.45E-08	8.14E-09	3.02E-08	2.65E-09	4.10E-08	9.23E-10	5.28E-09	6.30E-10	6.84E-09	8.39E-10	2.77E-09	1.91E-10	3.80E-09
2895	469875.42	3819170.35	1.01E-08	4.23E-08	3.81E-09	5.61E-08	8.38E-09	3.11E-08	2.73E-09	4.22E-08	9.50E-10	5.44E-09	6.49E-10	7.04E-09	8.64E-10	2.85E-09	1.96E-10	3.91E-09
2896	469879.2	3819161.7	1.04E-08	4.35E-08	3.92E-09	5.78E-08	8.63E-09	3.20E-08	2.81E-09	4.34E-08	9.78E-10	5.60E-09	6.68E-10	7.24E-09	8.89E-10	2.93E-09	2.02E-10	4.02E-09
2897	469882.97	3819153.04	1.07E-08	4.48E-08	4.03E-09	5.94E-08	8.88E-09	3.29E-08	2.89E-09	4.47E-08	1.01E-09	5.76E-09	6.87E-10	7.45E-09	9.15E-10	3.02E-09	2.08E-10	4.14E-09
2898	469886.75	3819144.39	1.10E-08	4.60E-08	4.14E-09	6.11E-08	9.13E-09	3.38E-08	2.97E-09	4.59E-08	1.03E-09	5.92E-09	7.07E-10	7.66E-09	9.41E-10	3.10E-09	2.14E-10	4.26E-09
2899	469890.52	3819135.73	1.13E-08	4.73E-08	4.26E-09	6.28E-08	9.37E-09	3.47E-08	3.05E-09	4.72E-08	1.06E-09	6.08E-09	7.26E-10	7.87E-09	9.66E-10	3.19E-09	2.20E-10	4.37E-09
2900	469894.3	3819127.08	1.15E-08	4.85E-08	4.36E-09	6.44E-08	9.61E-09	3.56E-08	3.13E-09	4.84E-08	1.09E-09	6.24E-09	7.44E-10	8.07E-09	9.91E-10	3.27E-09	2.25E-10	4.48E-09
2901	469898.07	3819118.42	1.18E-08	4.96E-08	4.47E-09	6.59E-08	9.84E-09	3.65E-08	3.21E-09	4.95E-08	1.12E-09	6.39E-09	7.62E-10	8.27E-09	1.01E-09	3.34E-09	2.31E-10	4.59E-09
2902	469901.85	3819109.77	1.21E-08	5.07E-08	4.57E-09	6.74E-08	1.01E-08	3.73E-08	3.28E-09	5.06E-08	1.14E-09	6.53E-09	7.79E-10	8.45E-09	1.04E-09	3.42E-09	2.36E-10	4.69E-09
2903	469909.39	3819092.46	1.25E-08	5.27E-08	4.74E-09	6.99E-08	1.04E-08	3.87E-08	3.40E-09	5.25E-08	1.18E-09	6.78E-09	8.09E-10	8.77E-09	1.08E-09	3.55E-09	2.45E-10	4.87E-09

2904	469913.17	3819083.8	1.27E-08	5.35E-08	4.82E-09	7.10E-08	1.06E-08	3.93E-08	3.46E-09	5.34E-08	1.20E-09	6.89E-09	8.22E-10	8.91E-09	1.09E-09	3.61E-09	2.49E-10	4.95E-09
2905	469916.94	3819075.15	1.29E-08	5.42E-08	4.88E-09	7.20E-08	1.08E-08	3.98E-08	3.50E-09	5.41E-08	1.22E-09	6.98E-09	8.33E-10	9.03E-09	1.11E-09	3.65E-09	2.52E-10	5.01E-09
2906	469920.72	3819066.49	1.31E-08	5.48E-08	4.94E-09	7.28E-08	1.09E-08	4.03E-08	3.54E-09	5.47E-08	1.23E-09	7.06E-09	8.42E-10	9.13E-09	1.12E-09	3.69E-09	2.55E-10	5.07E-09
2907	469924.49	3819057.84	1.32E-08	5.53E-08	4.98E-09	7.34E-08	1.10E-08	4.06E-08	3.57E-09	5.52E-08	1.24E-09	7.12E-09	8.49E-10	9.21E-09	1.13E-09	3.73E-09	2.57E-10	5.11E-09
2908	469937.05	3819045.7	1.39E-08	5.82E-08	5.24E-09	7.73E-08	1.15E-08	4.28E-08	3.76E-09	5.81E-08	1.31E-09	7.49E-09	8.94E-10	9.70E-09	1.19E-09	3.92E-09	2.71E-10	5.38E-09
2909	469945.82	3819042.23	1.45E-08	6.08E-08	5.48E-09	8.08E-08	1.21E-08	4.47E-08	3.93E-09	6.07E-08	1.37E-09	7.83E-09	9.34E-10	1.01E-08	1.24E-09	4.10E-09	2.82E-10	5.62E-09
2910	469954.6	3819038.75	1.51E-08	6.34E-08	5.71E-09	8.42E-08	1.26E-08	4.66E-08	4.10E-09	6.33E-08	1.43E-09	8.16E-09	9.74E-10	1.06E-08	1.30E-09	4.27E-09	2.95E-10	5.86E-09
2911	469963.38	3819035.27	1.57E-08	6.60E-08	5.94E-09	8.76E-08	1.31E-08	4.85E-08	4.26E-09	6.58E-08	1.48E-09	8.49E-09	1.01E-09	1.10E-08	1.35E-09	4.45E-09	3.07E-10	6.10E-09
2912	469972.16	3819031.8	1.63E-08	6.85E-08	6.17E-09	9.09E-08	1.36E-08	5.03E-08	4.43E-09	6.83E-08	1.54E-09	8.81E-09	1.05E-09	1.14E-08	1.40E-09	4.62E-09	3.18E-10	6.33E-09
2913	469980.94	3819028.32	1.69E-08	7.09E-08	6.39E-09	9.42E-08	1.41E-08	5.21E-08	4.58E-09	7.08E-08	1.59E-09	9.13E-09	1.09E-09	1.18E-08	1.45E-09	4.78E-09	3.30E-10	6.56E-09
2914	469989.72	3819024.84	1.74E-08	7.33E-08	6.60E-09	9.73E-08	1.45E-08	5.38E-08	4.74E-09	7.31E-08	1.65E-09	9.43E-09	1.13E-09	1.22E-08	1.50E-09	4.94E-09	3.40E-10	6.78E-09
2915	469998.5	3819021.37	1.80E-08	7.57E-08	6.82E-09	1.01E-07	1.50E-08	5.57E-08	4.90E-09	7.56E-08	1.70E-09	9.75E-09	1.16E-09	1.26E-08	1.55E-09	5.10E-09	3.52E-10	7.01E-09
2916	470007.28	3819017.89	1.86E-08	7.82E-08	7.04E-09	1.04E-07	1.55E-08	5.74E-08	5.05E-09	7.80E-08	1.76E-09	1.01E-08	1.20E-09	1.30E-08	1.60E-09	5.27E-09	3.63E-10	7.23E-09
2917	470016.05	3819014.41	1.92E-08	8.05E-08	7.25E-09	1.07E-07	1.60E-08	5.92E-08	5.20E-09	8.03E-08	1.81E-09	1.04E-08	1.24E-09	1.34E-08	1.65E-09	5.43E-09	3.74E-10	7.45E-09
2918	470024.83	3819010.94	1.97E-08	8.27E-08	7.45E-09	1.10E-07	1.64E-08	6.08E-08	5.35E-09	8.25E-08	1.86E-09	1.06E-08	1.27E-09	1.38E-08	1.69E-09	5.57E-09	3.84E-10	7.65E-09
2919	470033.61	3819007.46	2.02E-08	8.47E-08	7.63E-09	1.12E-07	1.68E-08	6.22E-08	5.47E-09	8.45E-08	1.90E-09	1.09E-08	1.30E-09	1.41E-08	1.73E-09	5.71E-09	3.93E-10	7.83E-09
2920	470042.39	3819003.98	2.06E-08	8.65E-08	7.79E-09	1.15E-07	1.72E-08	6.36E-08	5.59E-09	8.63E-08	1.95E-09	1.11E-08	1.33E-09	1.44E-08	1.77E-09	5.83E-09	4.02E-10	8.00E-09
2921	470051.17	3819000.5	2.10E-08	8.82E-08	7.94E-09	1.17E-07	1.75E-08	6.48E-08	5.70E-09	8.80E-08	1.98E-09	1.14E-08	1.35E-09	1.47E-08	1.80E-09	5.95E-09	4.10E-10	8.16E-09
2922	470059.95	3818997.03	2.14E-08	8.97E-08	8.08E-09	1.19E-07	1.78E-08	6.59E-08	5.80E-09	8.95E-08	2.02E-09	1.15E-08	1.38E-09	1.49E-08	1.83E-09	6.05E-09	4.17E-10	8.30E-09
2923	469840.14	3819205	7.82E-09	3.28E-08	2.96E-09	4.36E-08	6.51E-09	2.41E-08	2.12E-09	3.28E-08	7.38E-10	4.23E-09	5.04E-10	5.47E-09	6.71E-10	2.21E-09	1.53E-10	3.04E-09
2924	469843.85	3819196.49	8.02E-09	3.37E-08	3.03E-09	4.47E-08	6.68E-09	2.47E-08	2.18E-09	3.36E-08	7.57E-10	4.33E-09	5.17E-10	5.61E-09	6.88E-10	2.27E-09	1.56E-10	3.11E-09
2925	469847.56	3819187.98	8.23E-09	3.46E-08	3.11E-09	4.59E-08	6.86E-09	2.54E-08	2.23E-09	3.45E-08	7.77E-10	4.45E-09	5.31E-10	5.76E-09	7.07E-10	2.33E-09	1.61E-10	3.20E-09
2926	469851.27	3819179.47	8.46E-09	3.55E-08	3.20E-09	4.72E-08	7.05E-09	2.61E-08	2.30E-09	3.55E-08	7.99E-10	4.57E-09	5.46E-10	5.92E-09	7.26E-10	2.39E-09	1.65E-10	3.29E-09
2927	469854.99	3819170.96	8.70E-09	3.65E-08	3.29E-09	4.85E-08	7.25E-09	2.68E-08	2.36E-09	3.65E-08	8.22E-10	4.70E-09	5.61E-10	6.09E-09	7.47E-10	2.46E-09	1.70E-10	3.38E-09
2928	469858.7	3819162.45	8.95E-09	3.76E-08	3.38E-09	4.99E-08	7.45E-09	2.76E-08	2.43E-09	3.75E-08	8.45E-10	4.84E-09	5.77E-10	6.26E-09	7.68E-10	2.53E-09	1.75E-10	3.48E-09
2929	469862.41	3819153.94	9.20E-09	3.86E-08	3.48E-09	5.13E-08	7.66E-09	2.84E-08	2.50E-09	3.86E-08	8.69E-10	4.97E-09	5.93E-10	6.44E-09	7.90E-10	2.60E-09	1.80E-10	3.57E-09
2930	469866.12	3819145.43	9.46E-09	3.97E-08	3.58E-09	5.28E-08	7.88E-09	2.92E-08	2.57E-09	3.96E-08	8.93E-10	5.11E-09	6.10E-10	6.62E-09	8.12E-10	2.68E-09	1.85E-10	3.67E-09
2931	469869.83	3819136.92	9.72E-09	4.08E-08	3.67E-09	5.42E-08	8.09E-09	3.00E-08	2.64E-09	4.07E-08	9.17E-10	5.25E-09	6.27E-10	6.80E-09	8.34E-10	2.75E-09	1.90E-10	3.77E-09
2932	469873.54	3819128.41	9.97E-09	4.19E-08	3.77E-09	5.56E-08	8.30E-09	3.08E-08	2.71E-09	4.18E-08	9.42E-10	5.39E-09	6.43E-10	6.97E-09	8.56E-10	2.82E-09	1.95E-10	3.87E-09
2933	469877.25	3819119.9	1.02E-08	4.29E-08	3.87E-09	5.70E-08	8.51E-09	3.15E-08	2.77E-09	4.28E-08	9.65E-10	5.53E-09	6.59E-10	7.15E-09	8.77E-10	2.89E-09	1.99E-10	3.97E-09
2934	469880.97	3819111.39	1.05E-08	4.39E-08	3.96E-09	5.84E-08	8.71E-09	3.23E-08	2.84E-09	4.38E-08	9.88E-10	5.66E-09	6.75E-10	7.32E-09	8.98E-10	2.96E-09	2.04E-10	4.06E-09
2935	469888.39	3819094.37	1.09E-08	4.58E-08	4.13E-09	6.08E-08	9.09E-09	3.37E-08	2.96E-09	4.57E-08	1.03E-09	5.90E-09	7.04E-10	7.63E-09	9.36E-10	3.09E-09	2.13E-10	4.24E-09
2936	469892.1	3819085.86	1.11E-08	4.67E-08	4.20E-09	6.20E-08	9.25E-09	3.43E-08	3.02E-09	4.65E-08	1.05E-09	6.01E-09	7.17E-10	7.77E-09	9.54E-10	3.14E-09	2.17E-10	4.31E-09
2937	469895.81	3819077.35	1.13E-08	4.74E-08	4.27E-09	6.30E-08	9.40E-09	3.48E-08	3.07E-09	4.73E-08	1.07E-09	6.10E-09	7.28E-10	7.90E-09	9.69E-10	3.20E-09	2.20E-10	4.39E-09
2938	469899.52	3819068.84	1.15E-08	4.81E-08	4.33E-09	6.39E-08	9.54E-09	3.53E-08	3.11E-09	4.80E-08	1.08E-09	6.19E-09	7.39E-10	8.01E-09	9.83E-10	3.24E-09	2.24E-10	4.45E-09
2939	469903.23	3819060.33	1.16E-08	4.87E-08	4.39E-09	6.47E-08	9.66E-09	3.58E-08	3.15E-09	4.86E-08	1.10E-09	6.27E-09	7.48E-10	8.11E-09	9.95E-10	3.28E-09	2.26E-10	4.50E-09
2940	469906.95	3819051.82	1.17E-08	4.92E-08	4.43E-09	6.54E-08	9.76E-09	3.62E-08	3.18E-09	4.91E-08	1.11E-09	6.33E-09	7.56E-10	8.20E-09	1.01E-09	3.32E-09	2.29E-10	4.55E-09
2941	469910.66	3819043.31	1.18E-08	4.96E-08	4.47E-09	6.59E-08	9.84E-09	3.65E-08	3.21E-09	4.95E-08	1.12E-09	6.39E-09	7.62E-10	8.26E-09	1.01E-09	3.34E-09	2.31E-10	4.59E-09
2942	469923	3819031.38	1.24E-08	5.21E-08	4.69E-09	6.92E-08	1.03E-08	3.83E-08	3.37E-09	5.20E-08	1.17E-09	6.70E-09	8.00E-10	8.67E-09	1.06E-09	3.51E-09	2.42E-10	4.82E-09
2943	469931.63	3819027.96	1.29E-08	5.42E-08	4.88E-09	7.20E-08	1.08E-08	3.99E-08	3.51E-09	5.41E-08	1.22E-09	6.98E-09	8.33E-10	9.03E-09	1.11E-09	3.66E-09	2.52E-10	5.02E-09
2944	469940.26	3819024.54	1.34E-08	5.64E-08	5.08E-09	7.49E-08	1.12E-08	4.14E-08	3.65E-09	5.63E-08	1.27E-09	7.26E-09	8.66E-10	9.40E-09	1.15E-09	3.80E-09	2.62E-10	5.22E-09
2945	469948.9	3819021.12	1.40E-08	5.86E-08	5.28E-09	7.78E-08	1.16E-08	4.30E-08	3.79E-09	5.85E-08	1.32E-09	7.54E-09	9.00E-10	9.76E-09	1.20E-09	3.95E-09	2.72E-10	5.42E-09
2946	469957.53	3819017.71	1.45E-08	6.07E-08	5.47E-09	8.07E-08	1.20E-08	4.46E-08	3.93E-09	6.06E-08	1.37E-09	7.82E-09	9.33E-10	1.01E-08	1.24E-09	4.09E-09	2.82E-10	5.62E-09
2947	469966.16	3819014.29	1.50E-08	6.28E-08	5.65E-09	8.34E-08	1.25E-08	4.61E-08	4.06E-09	6.26E-08	1.41E-09	8.08E-09	9.64E-10	1.05E-08	1.28E-09	4.23E-09	2.92E-10	5.81E-09
2948	469974.79	3819010.87	1.54E-08	6.48E-08	5.83E-09	8.60E-08	1.28E-08	4.76E-08	4.19E-09	6.46E-08	1.46E-09	8.34E-09	9.95E-10	1.08E-08	1.32E-09	4.36E-09	3.01E-10	5.99E-09
2949	469983.42	3819007.45	1.59E-08	6.67E-08	6.01E-09	8.86E-08	1.32E-08	4.90E-08	4.31E-09	6.65E-08	1.50E-09	8.59E-09	1.02E-09	1.11E-08	1.36E-09	4.50E-09	3.10E-10	6.17E-09
2950	469992.06	3819004.03	1.63E-08	6.87E-08	6.18E-09	9.12E-08	1.36E-08	5.04E-08	4.44E-09	6.85E-08	1.54E-09	8.84E-09	1.05E-09	1.14E-08	1.40E-09	4.63E-09	3.19E-10	6.35E-09
2951	470000.69	3819000.61	1.68E-08	7.07E-08	6.36E-09	9.39E-08	1.40E-08	5.19E-08	4.57E-09	7.05E-08	1.59E-09	9.10E-09	1.09E-09	1.18E-08	1.44E-09	4.76E-09	3.28E-10	6.54E-09
2952	470009.32	3818997.19	1.73E-08	7.26E-08	6.54E-09	9.65E-08	1.44E-08	5.34E-08	4.69E-09	7.25E-08	1.63E-09	9.35E-09	1.12E-09	1.21E-08	1.48E-09	4.90E-09	3.37E-10	6.72E-09
2953	470061.11	3818976.68	1.94E-08	8.15E-08	7.34E-09	1.08E-07	1.62E-08	5.99E-08	5.27E-09	8.13E-08	1.83E-09	1.05E-08	1.25E-09	1.36E-08	1.67E-09	5.49E-09	3.79E-10	7.54E-09
2954	470069.74	3818973.26	1.96E-08	8.24E-08	7.42E-09	1.09E-07	1.64E-08	6.06E-08	5.33E-09	8.23E-08	1.85E-09	1.06E-08	1.27E-09	1.37E-08	1.69E-09	5.56E-09	3.83E-10	7.63E-09

2955	470078.37	3818969.84	1.98E-08	8.32E-08	7.49E-09	1.11E-07	1.65E-08	6.12E-08	5.38E-09	8.30E-08	1.87E-09	1.07E-08	1.28E-09	1.39E-08	1.70E-09	5.61E-09	3.87E-10	7.70E-09
2956	470087.01	3818966.42	2.00E-08	8.39E-08	7.55E-09	1.11E-07	1.66E-08	6.16E-08	5.42E-09	8.37E-08	1.89E-09	1.08E-08	1.29E-09	1.40E-08	1.71E-09	5.65E-09	3.90E-10	7.76E-09
2957	470095.64	3818963.01	2.01E-08	8.44E-08	7.60E-09	1.12E-07	1.67E-08	6.20E-08	5.46E-09	8.42E-08	1.90E-09	1.09E-08	1.30E-09	1.41E-08	1.73E-09	5.69E-09	3.92E-10	7.81E-09
2958	470104.27	3818959.59	2.02E-08	8.47E-08	7.63E-09	1.13E-07	1.68E-08	6.23E-08	5.48E-09	8.45E-08	1.91E-09	1.09E-08	1.30E-09	1.41E-08	1.73E-09	5.71E-09	3.94E-10	7.84E-09
2959	469820.44	3819203.92	6.88E-09	2.89E-08	2.60E-09	3.84E-08	5.73E-09	2.12E-08	1.87E-09	2.88E-08	6.50E-10	3.72E-09	4.44E-10	4.81E-09	5.91E-10	1.95E-09	1.34E-10	2.67E-09
2960	469843.31	3819151.49	8.09E-09	3.40E-08	3.06E-09	4.51E-08	6.73E-09	2.49E-08	2.19E-09	3.39E-08	7.63E-10	4.37E-09	5.21E-10	5.66E-09	6.94E-10	2.29E-09	1.58E-10	3.14E-09
2961	469847.12	3819142.75	8.31E-09	3.49E-08	3.14E-09	4.64E-08	6.93E-09	2.57E-08	2.26E-09	3.48E-08	7.85E-10	4.49E-09	5.36E-10	5.82E-09	7.14E-10	2.35E-09	1.62E-10	3.23E-09
2962	469850.93	3819134.01	8.55E-09	3.59E-08	3.23E-09	4.77E-08	7.12E-09	2.64E-08	2.32E-09	3.58E-08	8.07E-10	4.62E-09	5.51E-10	5.98E-09	7.34E-10	2.42E-09	1.67E-10	3.32E-09
2963	469854.74	3819125.28	8.78E-09	3.69E-08	3.32E-09	4.90E-08	7.31E-09	2.71E-08	2.38E-09	3.68E-08	8.29E-10	4.75E-09	5.66E-10	6.14E-09	7.54E-10	2.48E-09	1.71E-10	3.41E-09
2964	469858.55	3819116.54	9.01E-09	3.78E-08	3.41E-09	5.02E-08	7.50E-09	2.78E-08	2.44E-09	3.77E-08	8.50E-10	4.87E-09	5.81E-10	6.30E-09	7.73E-10	2.55E-09	1.76E-10	3.50E-09
2965	469869.98	3819090.32	9.65E-09	4.05E-08	3.65E-09	5.38E-08	8.04E-09	2.98E-08	2.62E-09	4.04E-08	9.11E-10	5.22E-09	6.22E-10	6.75E-09	8.28E-10	2.73E-09	1.88E-10	3.75E-09
2966	469873.79	3819081.59	9.84E-09	4.13E-08	3.72E-09	5.49E-08	8.20E-09	3.04E-08	2.67E-09	4.12E-08	9.29E-10	5.32E-09	6.35E-10	6.89E-09	8.45E-10	2.79E-09	1.92E-10	3.82E-09
2967	469877.6	3819072.85	1.00E-08	4.21E-08	3.79E-09	5.59E-08	8.35E-09	3.09E-08	2.72E-09	4.20E-08	9.46E-10	5.42E-09	6.46E-10	7.01E-09	8.60E-10	2.84E-09	1.96E-10	3.89E-09
2968	469881.42	3819064.11	1.02E-08	4.28E-08	3.85E-09	5.68E-08	8.48E-09	3.14E-08	2.76E-09	4.27E-08	9.62E-10	5.51E-09	6.57E-10	7.12E-09	8.74E-10	2.88E-09	1.99E-10	3.96E-09
2969	469885.23	3819055.37	1.03E-08	4.34E-08	3.91E-09	5.76E-08	8.61E-09	3.19E-08	2.80E-09	4.33E-08	9.76E-10	5.58E-09	6.66E-10	7.23E-09	8.87E-10	2.92E-09	2.02E-10	4.01E-09
2970	469889.04	3819046.63	1.05E-08	4.39E-08	3.95E-09	5.83E-08	8.71E-09	3.23E-08	2.84E-09	4.38E-08	9.88E-10	5.65E-09	6.75E-10	7.32E-09	8.98E-10	2.96E-09	2.04E-10	4.06E-09
2971	469892.85	3819037.89	1.06E-08	4.44E-08	4.00E-09	5.89E-08	8.80E-09	3.26E-08	2.87E-09	4.43E-08	9.98E-10	5.71E-09	6.81E-10	7.39E-09	9.07E-10	2.99E-09	2.06E-10	4.10E-09
2972	469896.66	3819029.16	1.07E-08	4.47E-08	4.03E-09	5.94E-08	8.87E-09	3.29E-08	2.89E-09	4.46E-08	1.01E-09	5.76E-09	6.87E-10	7.45E-09	9.14E-10	3.02E-09	2.08E-10	4.14E-09
2973	469909.33	3819016.91	1.12E-08	4.69E-08	4.22E-09	6.23E-08	9.30E-09	3.45E-08	3.03E-09	4.68E-08	1.05E-09	6.04E-09	7.21E-10	7.81E-09	9.59E-10	3.16E-09	2.18E-10	4.34E-09
2974	469918.2	3819013.4	1.16E-08	4.88E-08	4.40E-09	6.48E-08	9.68E-09	3.59E-08	3.16E-09	4.87E-08	1.10E-09	6.28E-09	7.50E-10	8.13E-09	9.98E-10	3.29E-09	2.27E-10	4.51E-09
2975	469927.06	3819009.89	1.21E-08	5.07E-08	4.57E-09	6.73E-08	1.01E-08	3.73E-08	3.28E-09	5.06E-08	1.14E-09	6.53E-09	7.79E-10	8.45E-09	1.04E-09	3.42E-09	2.36E-10	4.69E-09
2976	469935.92	3819006.38	1.25E-08	5.26E-08	4.73E-09	6.98E-08	1.04E-08	3.86E-08	3.40E-09	5.25E-08	1.18E-09	6.77E-09	8.07E-10	8.76E-09	1.07E-09	3.54E-09	2.44E-10	4.86E-09
2977	469944.79	3819002.87	1.30E-08	5.44E-08	4.90E-09	7.23E-08	1.08E-08	4.00E-08	3.52E-09	5.43E-08	1.22E-09	7.01E-09	8.36E-10	9.07E-09	1.11E-09	3.67E-09	2.53E-10	5.04E-09
2978	469953.65	3818999.36	1.34E-08	5.63E-08	5.07E-09	7.48E-08	1.12E-08	4.14E-08	3.64E-09	5.62E-08	1.27E-09	7.24E-09	8.64E-10	9.37E-09	1.15E-09	3.79E-09	2.61E-10	5.21E-09
2979	469962.51	3818995.85	1.38E-08	5.81E-08	5.23E-09	7.71E-08	1.15E-08	4.27E-08	3.75E-09	5.79E-08	1.31E-09	7.48E-09	8.92E-10	9.67E-09	1.19E-09	3.91E-09	2.70E-10	5.37E-09
2980	470006.83	3818978.29	1.59E-08	6.66E-08	6.00E-09	8.85E-08	1.32E-08	4.89E-08	4.30E-09	6.64E-08	1.50E-09	8.57E-09	1.02E-09	1.11E-08	1.36E-09	4.49E-09	3.09E-10	6.16E-09
2981	470015.69	3818974.78	1.62E-08	6.82E-08	6.14E-09	9.05E-08	1.35E-08	5.01E-08	4.41E-09	6.80E-08	1.53E-09	8.78E-09	1.05E-09	1.14E-08	1.39E-09	4.59E-09	3.17E-10	6.31E-09
2982	470024.55	3818971.27	1.66E-08	6.96E-08	6.27E-09	9.24E-08	1.38E-08	5.11E-08	4.50E-09	6.94E-08	1.57E-09	8.96E-09	1.07E-09	1.16E-08	1.42E-09	4.69E-09	3.23E-10	6.44E-09
2983	470051.14	3818960.74	1.74E-08	7.31E-08	6.58E-09	9.71E-08	1.45E-08	5.37E-08	4.72E-09	7.29E-08	1.64E-09	9.41E-09	1.12E-09	1.22E-08	1.49E-09	4.93E-09	3.40E-10	6.76E-09
2984	470060.01	3818957.23	1.76E-08	7.40E-08	6.66E-09	9.83E-08	1.47E-08	5.44E-08	4.78E-09	7.38E-08	1.66E-09	9.53E-09	1.14E-09	1.23E-08	1.51E-09	4.99E-09	3.44E-10	6.84E-09
2985	470068.87	3818953.72	1.78E-08	7.48E-08	6.73E-09	9.93E-08	1.48E-08	5.49E-08	4.83E-09	7.46E-08	1.68E-09	9.63E-09	1.15E-09	1.25E-08	1.53E-09	5.04E-09	3.47E-10	6.92E-09
2986	470077.73	3818950.21	1.80E-08	7.54E-08	6.79E-09	1.00E-07	1.50E-08	5.54E-08	4.87E-09	7.52E-08	1.70E-09	9.70E-09	1.16E-09	1.26E-08	1.54E-09	5.08E-09	3.50E-10	6.97E-09
2987	470086.6	3818946.7	1.81E-08	7.59E-08	6.84E-09	1.01E-07	1.51E-08	5.58E-08	4.91E-09	7.58E-08	1.71E-09	9.77E-09	1.17E-09	1.26E-08	1.55E-09	5.12E-09	3.53E-10	7.02E-09
2988	470095.46	3818943.19	1.82E-08	7.63E-08	6.87E-09	1.01E-07	1.51E-08	5.61E-08	4.93E-09	7.62E-08	1.72E-09	9.83E-09	1.17E-09	1.27E-08	1.56E-09	5.14E-09	3.55E-10	7.06E-09
2989	470104.32	3818939.68	1.82E-08	7.65E-08	6.89E-09	1.02E-07	1.52E-08	5.62E-08	4.95E-09	7.64E-08	1.72E-09	9.85E-09	1.18E-09	1.27E-08	1.56E-09	5.16E-09	3.56E-10	7.08E-09
2990	469780.54	3819202.92	5.42E-09	2.28E-08	2.05E-09	3.02E-08	4.51E-09	1.67E-08	1.47E-09	2.27E-08	5.12E-10	2.93E-09	3.49E-10	3.79E-09	4.65E-10	1.53E-09	1.06E-10	2.10E-09
2991	469784.37	3819194.12	5.54E-09	2.32E-08	2.09E-09	3.09E-08	4.61E-09	1.71E-08	1.50E-09	2.32E-08	5.23E-10	2.99E-09	3.57E-10	3.87E-09	4.75E-10	1.57E-09	1.08E-10	2.15E-09
2992	469788.21	3819185.32	5.67E-09	2.38E-08	2.14E-09	3.16E-08	4.72E-09	1.75E-08	1.54E-09	2.37E-08	5.35E-10	3.06E-09	3.65E-10	3.96E-09	4.86E-10	1.60E-09	1.11E-10	2.20E-09
2993	469792.05	3819176.52	5.81E-09	2.44E-08	2.20E-09	3.24E-08	4.84E-09	1.79E-08	1.58E-09	2.43E-08	5.48E-10	3.14E-09	3.75E-10	4.06E-09	4.99E-10	1.64E-09	1.13E-10	2.26E-09
2994	469795.89	3819167.71	5.96E-09	2.50E-08	2.25E-09	3.32E-08	4.96E-09	1.84E-08	1.62E-09	2.50E-08	5.63E-10	3.22E-09	3.84E-10	4.17E-09	5.12E-10	1.69E-09	1.16E-10	2.31E-09
2995	469799.73	3819158.91	6.12E-09	2.57E-08	2.31E-09	3.41E-08	5.10E-09	1.89E-08	1.66E-09	2.56E-08	5.78E-10	3.31E-09	3.95E-10	4.28E-09	5.25E-10	1.73E-09	1.19E-10	2.38E-09
2996	469803.57	3819150.11	6.29E-09	2.64E-08	2.38E-09	3.51E-08	5.24E-09	1.94E-08	1.71E-09	2.63E-08	5.94E-10	3.40E-09	4.05E-10	4.40E-09	5.40E-10	1.78E-09	1.23E-10	2.44E-09
2997	469807.41	3819141.3	6.46E-09	2.71E-08	2.44E-09	3.60E-08	5.38E-09	1.99E-08	1.75E-09	2.71E-08	6.10E-10	3.49E-09	4.17E-10	4.52E-09	5.54E-10	1.83E-09	1.26E-10	2.51E-09
2998	469811.25	3819132.5	6.63E-09	2.78E-08	2.51E-09	3.70E-08	5.52E-09	2.05E-08	1.80E-09	2.78E-08	6.26E-10	3.58E-09	4.28E-10	4.64E-09	5.69E-10	1.88E-09	1.29E-10	2.58E-09
2999	469815.09	3819123.7	6.80E-09	2.86E-08	2.57E-09	3.79E-08	5.66E-09	2.10E-08	1.85E-09	2.85E-08	6.42E-10	3.68E-09	4.39E-10	4.76E-09	5.84E-10	1.92E-09	1.33E-10	2.64E-09
3000	469818.93	3819114.9	6.97E-09	2.93E-08	2.64E-09	3.89E-08	5.81E-09	2.15E-08	1.89E-09	2.92E-08	6.59E-10	3.77E-09	4.50E-10	4.88E-09	5.99E-10	1.97E-09	1.36E-10	2.71E-09
3001	469822.76	3819106.09	7.15E-09	3.00E-08	2.70E-09	3.99E-08	5.96E-09	2.21E-08	1.94E-09	3.00E-08	6.75E-10	3.87E-09	4.61E-10	5.00E-09	6.14E-10	2.02E-09	1.40E-10	2.78E-09
3002	469845.8	3819053.28	8.17E-09	3.43E-08	3.09E-09	4.56E-08	6.81E-09	2.52E-08	2.22E-09	3.43E-08	7.72E-10	4.42E-09	5.27E-10	5.72E-09	7.02E-10	2.31E-09	1.60E-10	3.18E-09
3003	469849.64	3819044.47	8.31E-09	3.49E-08	3.14E-09	4.63E-08	6.92E-09	2.56E-08	2.26E-09	3.48E-08	7.85E-10	4.49E-09	5.36E-10	5.81E-09	7.13E-10	2.35E-09	1.62E-10	3.23E-09
3004	469853.48	3819035.67	8.43E-09	3.54E-08	3.19E-09	4.70E-08	7.02E-09	2.60E-08	2.29E-09	3.53E-08	7.96E-10	4.56E-09	5.44E-10	5.90E-09	7.24E-10	2.39E-09	1.65E-10	3.28E-09
3005	469857.32	3819026.87	8.54E-09	3.59E-08	3.23E-09	4.76E-08	7.11E-09	2.64E-08	2.32E-09	3.58E-08	8.07E-10	4.62E-09	5.51E-10	5.98E-09	7.33E-10	2.42E-09	1.67E-10	3.32E-09

3006	469861.15	3819018.06	8.64E-09	3.63E-08	3.27E-09	4.82E-08	7.19E-09	2.67E-08	2.34E-09	3.62E-08	8.16E-10	4.67E-09	5.57E-10	6.04E-09	7.42E-10	2.45E-09	1.69E-10	3.36E-09
3007	469864.99	3819009.26	8.72E-09	3.66E-08	3.30E-09	4.86E-08	7.26E-09	2.69E-08	2.37E-09	3.65E-08	8.23E-10	4.71E-09	5.62E-10	6.10E-09	7.48E-10	2.47E-09	1.70E-10	3.39E-09
3008	469868.83	3819000.46	8.79E-09	3.69E-08	3.32E-09	4.90E-08	7.32E-09	2.71E-08	2.39E-09	3.68E-08	8.30E-10	4.75E-09	5.67E-10	6.15E-09	7.54E-10	2.49E-09	1.71E-10	3.41E-09
3009	469908.39	3818977.51	1.02E-08	4.28E-08	3.86E-09	5.69E-08	8.50E-09	3.15E-08	2.77E-09	4.28E-08	9.63E-10	5.52E-09	6.58E-10	7.14E-09	8.76E-10	2.89E-09	1.99E-10	3.96E-09
3010	469917.32	3818973.97	1.05E-08	4.42E-08	3.98E-09	5.87E-08	8.77E-09	3.25E-08	2.86E-09	4.41E-08	9.95E-10	5.69E-09	6.79E-10	7.37E-09	9.04E-10	2.98E-09	2.06E-10	4.09E-09
3011	469926.24	3818970.44	1.09E-08	4.56E-08	4.11E-09	6.06E-08	9.05E-09	3.35E-08	2.95E-09	4.55E-08	1.03E-09	5.87E-09	7.01E-10	7.60E-09	9.32E-10	3.07E-09	2.12E-10	4.22E-09
3012	469935.17	3818966.9	1.12E-08	4.70E-08	4.23E-09	6.24E-08	9.32E-09	3.45E-08	3.04E-09	4.69E-08	1.06E-09	6.05E-09	7.22E-10	7.83E-09	9.61E-10	3.17E-09	2.18E-10	4.35E-09
3013	469944.1	3818963.36	1.15E-08	4.84E-08	4.36E-09	6.43E-08	9.60E-09	3.55E-08	3.13E-09	4.83E-08	1.09E-09	6.23E-09	7.43E-10	8.06E-09	9.89E-10	3.26E-09	2.25E-10	4.47E-09
3014	469953.03	3818959.83	1.18E-08	4.97E-08	4.48E-09	6.60E-08	9.86E-09	3.65E-08	3.21E-09	4.96E-08	1.12E-09	6.40E-09	7.64E-10	8.28E-09	1.02E-09	3.35E-09	2.31E-10	4.60E-09
3015	469961.96	3818956.29	1.22E-08	5.10E-08	4.60E-09	6.78E-08	1.01E-08	3.75E-08	3.30E-09	5.09E-08	1.15E-09	6.57E-09	7.84E-10	8.50E-09	1.04E-09	3.44E-09	2.37E-10	4.72E-09
3016	469970.89	3818952.76	1.25E-08	5.23E-08	4.71E-09	6.95E-08	1.04E-08	3.84E-08	3.38E-09	5.22E-08	1.18E-09	6.73E-09	8.03E-10	8.71E-09	1.07E-09	3.53E-09	2.43E-10	4.84E-09
3017	469979.82	3818949.22	1.28E-08	5.35E-08	4.82E-09	7.11E-08	1.06E-08	3.93E-08	3.46E-09	5.34E-08	1.20E-09	6.89E-09	8.22E-10	8.92E-09	1.09E-09	3.61E-09	2.49E-10	4.95E-09
3018	469988.75	3818945.68	1.30E-08	5.48E-08	4.93E-09	7.27E-08	1.09E-08	4.02E-08	3.54E-09	5.46E-08	1.23E-09	7.05E-09	8.41E-10	9.12E-09	1.12E-09	3.69E-09	2.54E-10	5.07E-09
3019	469997.68	3818942.15	1.33E-08	5.60E-08	5.04E-09	7.43E-08	1.11E-08	4.11E-08	3.62E-09	5.58E-08	1.26E-09	7.20E-09	8.59E-10	9.32E-09	1.14E-09	3.77E-09	2.60E-10	5.18E-09
3020	470006.6	3818938.61	1.36E-08	5.71E-08	5.14E-09	7.58E-08	1.13E-08	4.19E-08	3.69E-09	5.69E-08	1.28E-09	7.35E-09	8.76E-10	9.50E-09	1.17E-09	3.85E-09	2.65E-10	5.28E-09
3021	470015.53	3818935.07	1.38E-08	5.81E-08	5.23E-09	7.72E-08	1.15E-08	4.27E-08	3.75E-09	5.80E-08	1.31E-09	7.48E-09	8.92E-10	9.68E-09	1.19E-09	3.92E-09	2.70E-10	5.37E-09
3022	470024.46	3818931.54	1.41E-08	5.90E-08	5.31E-09	7.84E-08	1.17E-08	4.34E-08	3.81E-09	5.89E-08	1.33E-09	7.60E-09	9.06E-10	9.83E-09	1.21E-09	3.98E-09	2.74E-10	5.46E-09
3023	470051.25	3818920.93	1.46E-08	6.13E-08	5.52E-09	8.14E-08	1.22E-08	4.50E-08	3.96E-09	6.11E-08	1.38E-09	7.89E-09	9.41E-10	1.02E-08	1.25E-09	4.13E-09	2.85E-10	5.67E-09
3024	470060.18	3818917.39	1.47E-08	6.18E-08	5.57E-09	8.21E-08	1.23E-08	4.54E-08	4.00E-09	6.17E-08	1.39E-09	7.96E-09	9.50E-10	1.03E-08	1.26E-09	4.17E-09	2.87E-10	5.72E-09
3025	470069.11	3818913.86	1.48E-08	6.23E-08	5.61E-09	8.27E-08	1.24E-08	4.58E-08	4.03E-09	6.22E-08	1.40E-09	8.02E-09	9.57E-10	1.04E-08	1.27E-09	4.20E-09	2.89E-10	5.76E-09
3026	470078.03	3818910.32	1.49E-08	6.26E-08	5.64E-09	8.32E-08	1.24E-08	4.60E-08	4.05E-09	6.25E-08	1.41E-09	8.06E-09	9.62E-10	1.04E-08	1.28E-09	4.22E-09	2.91E-10	5.79E-09
3027	470086.96	3818906.78	1.50E-08	6.29E-08	5.66E-09	8.35E-08	1.25E-08	4.62E-08	4.07E-09	6.28E-08	1.41E-09	8.10E-09	9.66E-10	1.05E-08	1.29E-09	4.24E-09	2.92E-10	5.82E-09
3028	470095.89	3818903.25	1.50E-08	6.30E-08	5.68E-09	8.37E-08	1.25E-08	4.63E-08	4.07E-09	6.29E-08	1.42E-09	8.11E-09	9.68E-10	1.05E-08	1.29E-09	4.25E-09	2.93E-10	5.83E-09
3029	470104.82	3818899.71	1.50E-08	6.30E-08	5.67E-09	8.37E-08	1.25E-08	4.63E-08	4.07E-09	6.29E-08	1.42E-09	8.11E-09	9.68E-10	1.05E-08	1.29E-09	4.25E-09	2.93E-10	5.83E-09
3030	469740.24	3819202.83	4.36E-09	1.83E-08	1.65E-09	2.43E-08	3.63E-09	1.35E-08	1.18E-09	1.83E-08	4.12E-10	2.36E-09	2.81E-10	3.05E-09	3.74E-10	1.23E-09	8.50E-11	1.69E-09
3031	469743.97	3819194.26	4.44E-09	1.86E-08	1.68E-09	2.48E-08	3.70E-09	1.37E-08	1.20E-09	1.86E-08	4.19E-10	2.40E-09	2.86E-10	3.10E-09	3.81E-10	1.26E-09	8.66E-11	1.72E-09
3032	469747.71	3819185.69	4.53E-09	1.90E-08	1.71E-09	2.52E-08	3.77E-09	1.40E-08	1.23E-09	1.90E-08	4.27E-10	2.45E-09	2.92E-10	3.17E-09	3.89E-10	1.28E-09	8.83E-11	1.76E-09
3033	469751.45	3819177.12	4.62E-09	1.94E-08	1.75E-09	2.58E-08	3.85E-09	1.43E-08	1.26E-09	1.94E-08	4.37E-10	2.50E-09	2.98E-10	3.23E-09	3.97E-10	1.31E-09	9.02E-11	1.80E-09
3034	469755.19	3819168.55	4.73E-09	1.99E-08	1.79E-09	2.64E-08	3.94E-09	1.46E-08	1.28E-09	1.98E-08	4.46E-10	2.56E-09	3.05E-10	3.31E-09	4.06E-10	1.34E-09	9.23E-11	1.84E-09
3035	469758.92	3819159.98	4.84E-09	2.03E-08	1.83E-09	2.70E-08	4.03E-09	1.49E-08	1.31E-09	2.03E-08	4.57E-10	2.62E-09	3.12E-10	3.39E-09	4.15E-10	1.37E-09	9.44E-11	1.88E-09
3036	469762.66	3819151.41	4.96E-09	2.08E-08	1.88E-09	2.77E-08	4.13E-09	1.53E-08	1.35E-09	2.08E-08	4.68E-10	2.68E-09	3.20E-10	3.47E-09	4.26E-10	1.40E-09	9.68E-11	1.93E-09
3037	469766.4	3819142.84	5.08E-09	2.13E-08	1.92E-09	2.83E-08	4.23E-09	1.57E-08	1.38E-09	2.13E-08	4.80E-10	2.75E-09	3.28E-10	3.56E-09	4.36E-10	1.44E-09	9.92E-11	1.97E-09
3038	469770.13	3819134.27	5.21E-09	2.19E-08	1.97E-09	2.91E-08	4.34E-09	1.61E-08	1.41E-09	2.18E-08	4.92E-10	2.82E-09	3.36E-10	3.64E-09	4.47E-10	1.47E-09	1.02E-10	2.02E-09
3039	469773.87	3819125.7	5.33E-09	2.24E-08	2.02E-09	2.98E-08	4.44E-09	1.65E-08	1.45E-09	2.24E-08	5.04E-10	2.88E-09	3.44E-10	3.73E-09	4.58E-10	1.51E-09	1.04E-10	2.07E-09
3040	469777.61	3819117.14	5.46E-09	2.29E-08	2.06E-09	3.04E-08	4.55E-09	1.68E-08	1.48E-09	2.29E-08	5.15E-10	2.95E-09	3.52E-10	3.82E-09	4.69E-10	1.55E-09	1.07E-10	2.12E-09
3041	469781.34	3819108.57	5.58E-09	2.35E-08	2.11E-09	3.11E-08	4.65E-09	1.72E-08	1.52E-09	2.34E-08	5.27E-10	3.02E-09	3.60E-10	3.91E-09	4.79E-10	1.58E-09	1.09E-10	2.17E-09
3042	469785.08	3819100	5.72E-09	2.40E-08	2.16E-09	3.19E-08	4.77E-09	1.77E-08	1.55E-09	2.40E-08	5.40E-10	3.09E-09	3.69E-10	4.00E-09	4.91E-10	1.62E-09	1.12E-10	2.22E-09
3043	469788.82	3819091.43	5.86E-09	2.46E-08	2.22E-09	3.27E-08	4.88E-09	1.81E-08	1.59E-09	2.46E-08	5.54E-10	3.17E-09	3.78E-10	4.10E-09	5.03E-10	1.66E-09	1.14E-10	2.28E-09
3044	469792.56	3819082.86	6.00E-09	2.52E-08	2.27E-09	3.35E-08	5.00E-09	1.85E-08	1.63E-09	2.52E-08	5.67E-10	3.25E-09	3.87E-10	4.20E-09	5.15E-10	1.70E-09	1.17E-10	2.33E-09
3045	469796.29	3819074.29	6.14E-09	2.58E-08	2.32E-09	3.43E-08	5.11E-09	1.89E-08	1.67E-09	2.57E-08	5.80E-10	3.32E-09	3.96E-10	4.30E-09	5.27E-10	1.74E-09	1.20E-10	2.39E-09
3046	469800.03	3819065.72	6.28E-09	2.64E-08	2.37E-09	3.50E-08	5.23E-09	1.94E-08	1.70E-09	2.63E-08	5.93E-10	3.39E-09	4.05E-10	4.39E-09	5.39E-10	1.78E-09	1.22E-10	2.44E-09
3047	469803.77	3819057.15	6.41E-09	2.69E-08	2.42E-09	3.57E-08	5.34E-09	1.98E-08	1.74E-09	2.68E-08	6.05E-10	3.46E-09	4.13E-10	4.48E-09	5.50E-10	1.81E-09	1.25E-10	2.49E-09
3048	469807.5	3819048.58	6.53E-09	2.74E-08	2.47E-09	3.64E-08	5.44E-09	2.02E-08	1.77E-09	2.74E-08	6.17E-10	3.53E-09	4.21E-10	4.57E-09	5.61E-10	1.85E-09	1.28E-10	2.54E-09
3049	469811.24	3819040.01	6.66E-09	2.80E-08	2.52E-09	3.71E-08	5.54E-09	2.05E-08	1.81E-09	2.79E-08	6.29E-10	3.60E-09	4.29E-10	4.66E-09	5.71E-10	1.88E-09	1.30E-10	2.59E-09
3050	469814.98	3819031.44	6.78E-09	2.85E-08	2.56E-09	3.78E-08	5.64E-09	2.09E-08	1.84E-09	2.84E-08	6.40E-10	3.66E-09	4.37E-10	4.74E-09	5.82E-10	1.92E-09	1.32E-10	2.63E-09
3051	469818.72	3819022.88	6.89E-09	2.89E-08	2.61E-09	3.84E-08	5.74E-09	2.13E-08	1.87E-09	2.89E-08	6.50E-10	3.72E-09	4.44E-10	4.82E-09	5.91E-10	1.95E-09	1.34E-10	2.68E-09
3052	469822.45	3819014.31	6.99E-09	2.94E-08	2.64E-09	3.90E-08	5.82E-09	2.16E-08	1.90E-09	2.93E-08	6.60E-10	3.78E-09	4.51E-10	4.89E-09	6.00E-10	1.98E-09	1.36E-10	2.72E-09
3053	469826.19	3819005.74	7.08E-09	2.97E-08	2.68E-09	3.95E-08	5.90E-09	2.18E-08	1.92E-09	2.97E-08	6.69E-10	3.83E-09	4.57E-10	4.95E-09	6.08E-10	2.00E-09	1.38E-10	2.75E-09
3054	469841.14	3818971.46	7.33E-09	3.08E-08	2.77E-09	4.09E-08	6.11E-09	2.26E-08	1.99E-09	3.07E-08	6.93E-10	3.96E-09	4.73E-10	5.13E-09	6.30E-10	2.08E-09	1.43E-10	2.85E-09
3055	469853.57	3818959.45	7.64E-09	3.21E-08	2.89E-09	4.26E-08	6.36E-09	2.36E-08	2.07E-09	3.20E-08	7.21E-10	4.13E-09	4.93E-10	5.34E-09	6.55E-10	2.16E-09	1.49E-10	2.97E-09
3056	469862.26	3818956.01	7.89E-09	3.32E-08	2.99E-09	4.40E-08	6.58E-09	2.44E-08	2.14E-09	3.31E-08	7.45E-10	4.27E-09	5.09E-10	5.52E-09	6.78E-10	2.23E-09	1.54E-10	3.07E-09

3057	469870.95	3818952.57	8.16E-09	3.42E-08	3.08E-09	4.55E-08	6.79E-09	2.52E-08	2.21E-09	3.42E-08	7.70E-10	4.41E-09	5.26E-10	5.70E-09	7.00E-10	2.31E-09	1.59E-10	3.17E-09
3058	469879.64	3818949.12	8.42E-09	3.53E-08	3.18E-09	4.69E-08	7.01E-09	2.60E-08	2.28E-09	3.53E-08	7.95E-10	4.55E-09	5.43E-10	5.89E-09	7.22E-10	2.38E-09	1.64E-10	3.27E-09
3059	469888.33	3818945.68	8.67E-09	3.64E-08	3.28E-09	4.84E-08	7.22E-09	2.68E-08	2.35E-09	3.63E-08	8.19E-10	4.69E-09	5.59E-10	6.07E-09	7.45E-10	2.46E-09	1.69E-10	3.37E-09
3060	469897.02	3818942.24	8.93E-09	3.75E-08	3.38E-09	4.98E-08	7.44E-09	2.76E-08	2.42E-09	3.74E-08	8.43E-10	4.83E-09	5.76E-10	6.25E-09	7.67E-10	2.53E-09	1.74E-10	3.47E-09
3061	469905.72	3818938.8	9.18E-09	3.86E-08	3.47E-09	5.12E-08	7.65E-09	2.83E-08	2.49E-09	3.85E-08	8.67E-10	4.96E-09	5.92E-10	6.42E-09	7.88E-10	2.60E-09	1.79E-10	3.57E-09
3062	469914.41	3818935.35	9.43E-09	3.96E-08	3.57E-09	5.26E-08	7.86E-09	2.91E-08	2.56E-09	3.95E-08	8.91E-10	5.10E-09	6.08E-10	6.60E-09	8.10E-10	2.67E-09	1.84E-10	3.66E-09
3063	469923.1	3818931.91	9.68E-09	4.06E-08	3.66E-09	5.40E-08	8.06E-09	2.99E-08	2.63E-09	4.05E-08	9.14E-10	5.23E-09	6.24E-10	6.77E-09	8.31E-10	2.74E-09	1.89E-10	3.76E-09
3064	469931.79	3818928.47	9.92E-09	4.16E-08	3.75E-09	5.53E-08	8.26E-09	3.06E-08	2.69E-09	4.15E-08	9.36E-10	5.36E-09	6.40E-10	6.94E-09	8.51E-10	2.81E-09	1.93E-10	3.85E-09
3065	469940.48	3818925.03	1.01E-08	4.26E-08	3.84E-09	5.66E-08	8.45E-09	3.13E-08	2.75E-09	4.25E-08	9.58E-10	5.49E-09	6.55E-10	7.10E-09	8.71E-10	2.87E-09	1.98E-10	3.94E-09
3066	469949.17	3818921.58	1.04E-08	4.36E-08	3.92E-09	5.79E-08	8.64E-09	3.20E-08	2.82E-09	4.35E-08	9.79E-10	5.61E-09	6.69E-10	7.26E-09	8.90E-10	2.94E-09	2.02E-10	4.03E-09
3067	469957.87	3818918.14	1.06E-08	4.45E-08	4.01E-09	5.91E-08	8.82E-09	3.27E-08	2.87E-09	4.44E-08	1.00E-09	5.72E-09	6.83E-10	7.41E-09	9.09E-10	3.00E-09	2.07E-10	4.11E-09
3068	469966.56	3818914.7	1.08E-08	4.54E-08	4.09E-09	6.03E-08	9.01E-09	3.34E-08	2.93E-09	4.53E-08	1.02E-09	5.84E-09	6.97E-10	7.56E-09	9.28E-10	3.06E-09	2.11E-10	4.20E-09
3069	469975.25	3818911.26	1.10E-08	4.63E-08	4.17E-09	6.15E-08	9.19E-09	3.40E-08	2.99E-09	4.62E-08	1.04E-09	5.96E-09	7.11E-10	7.71E-09	9.47E-10	3.12E-09	2.15E-10	4.28E-09
3070	469983.94	3818907.81	1.12E-08	4.72E-08	4.25E-09	6.27E-08	9.36E-09	3.47E-08	3.05E-09	4.71E-08	1.06E-09	6.07E-09	7.25E-10	7.86E-09	9.65E-10	3.18E-09	2.19E-10	4.36E-09
3071	469992.63	3818904.37	1.14E-08	4.80E-08	4.32E-09	6.38E-08	9.52E-09	3.53E-08	3.10E-09	4.79E-08	1.08E-09	6.18E-09	7.37E-10	8.00E-09	9.81E-10	3.24E-09	2.23E-10	4.44E-09
3072	470001.32	3818900.93	1.16E-08	4.87E-08	4.39E-09	6.47E-08	9.67E-09	3.58E-08	3.15E-09	4.86E-08	1.10E-09	6.27E-09	7.48E-10	8.12E-09	9.96E-10	3.28E-09	2.26E-10	4.51E-09
3073	470010.02	3818897.49	1.18E-08	4.94E-08	4.45E-09	6.56E-08	9.80E-09	3.63E-08	3.19E-09	4.93E-08	1.11E-09	6.36E-09	7.59E-10	8.23E-09	1.01E-09	3.33E-09	2.30E-10	4.57E-09
3074	470018.71	3818894.04	1.19E-08	5.00E-08	4.51E-09	6.65E-08	9.93E-09	3.68E-08	3.23E-09	4.99E-08	1.13E-09	6.44E-09	7.69E-10	8.34E-09	1.02E-09	3.37E-09	2.33E-10	4.63E-09
3075	470027.4	3818890.6	1.21E-08	5.06E-08	4.56E-09	6.72E-08	1.00E-08	3.72E-08	3.27E-09	5.05E-08	1.14E-09	6.52E-09	7.78E-10	8.43E-09	1.03E-09	3.41E-09	2.35E-10	4.68E-09
3076	470044.78	3818883.72	1.23E-08	5.16E-08	4.65E-09	6.86E-08	1.02E-08	3.79E-08	3.34E-09	5.15E-08	1.16E-09	6.65E-09	7.93E-10	8.60E-09	1.06E-09	3.48E-09	2.40E-10	4.77E-09
3077	470053.47	3818880.27	1.24E-08	5.20E-08	4.68E-09	6.91E-08	1.03E-08	3.82E-08	3.36E-09	5.19E-08	1.17E-09	6.70E-09	7.99E-10	8.67E-09	1.06E-09	3.51E-09	2.42E-10	4.81E-09
3078	470062.16	3818876.83	1.25E-08	5.24E-08	4.71E-09	6.95E-08	1.04E-08	3.85E-08	3.38E-09	5.22E-08	1.18E-09	6.74E-09	8.04E-10	8.72E-09	1.07E-09	3.53E-09	2.43E-10	4.84E-09
3079	470070.86	3818873.39	1.25E-08	5.26E-08	4.74E-09	6.99E-08	1.04E-08	3.87E-08	3.40E-09	5.25E-08	1.18E-09	6.77E-09	8.08E-10	8.76E-09	1.08E-09	3.55E-09	2.44E-10	4.87E-09
3080	470079.55	3818869.95	1.26E-08	5.28E-08	4.75E-09	7.01E-08	1.05E-08	3.88E-08	3.41E-09	5.27E-08	1.19E-09	6.80E-09	8.11E-10	8.79E-09	1.08E-09	3.56E-09	2.45E-10	4.88E-09
3081	470088.24	3818866.51	1.26E-08	5.29E-08	4.76E-09	7.02E-08	1.05E-08	3.89E-08	3.42E-09	5.28E-08	1.19E-09	6.81E-09	8.12E-10	8.81E-09	1.08E-09	3.56E-09	2.46E-10	4.89E-09
3082	470096.93	3818863.06	1.26E-08	5.29E-08	4.76E-09	7.03E-08	1.05E-08	3.89E-08	3.42E-09	5.28E-08	1.19E-09	6.81E-09	8.12E-10	8.81E-09	1.08E-09	3.57E-09	2.46E-10	4.89E-09
3083	470105.62	3818859.62	1.26E-08	5.28E-08	4.76E-09	7.01E-08	1.05E-08	3.88E-08	3.41E-09	5.27E-08	1.19E-09	6.80E-09	8.11E-10	8.80E-09	1.08E-09	3.56E-09	2.45E-10	4.88E-09
3084	469704.1	3819193.19	3.64E-09	1.53E-08	1.38E-09	2.03E-08	3.03E-09	1.12E-08	9.89E-10	1.53E-08	3.44E-10	1.97E-09	2.35E-10	2.55E-09	3.13E-10	1.03E-09	7.11E-11	1.41E-09
3085	469707.86	3819184.56	3.70E-09	1.56E-08	1.40E-09	2.07E-08	3.09E-09	1.14E-08	1.01E-09	1.55E-08	3.50E-10	2.00E-09	2.39E-10	2.59E-09	3.18E-10	1.05E-09	7.23E-11	1.44E-09
3086	469711.63	3819175.92	3.77E-09	1.59E-08	1.43E-09	2.11E-08	3.14E-09	1.16E-08	1.02E-09	1.58E-08	3.56E-10	2.04E-09	2.43E-10	2.64E-09	3.24E-10	1.07E-09	7.37E-11	1.47E-09
3087	469715.4	3819167.28	3.85E-09	1.62E-08	1.46E-09	2.15E-08	3.21E-09	1.19E-08	1.05E-09	1.61E-08	3.64E-10	2.08E-09	2.48E-10	2.69E-09	3.31E-10	1.09E-09	7.52E-11	1.50E-09
3088	469719.16	3819158.65	3.93E-09	1.65E-08	1.49E-09	2.19E-08	3.28E-09	1.21E-08	1.07E-09	1.65E-08	3.72E-10	2.13E-09	2.54E-10	2.75E-09	3.38E-10	1.11E-09	7.68E-11	1.53E-09
3089	469722.93	3819150.01	4.02E-09	1.69E-08	1.52E-09	2.24E-08	3.35E-09	1.24E-08	1.09E-09	1.69E-08	3.80E-10	2.17E-09	2.59E-10	2.81E-09	3.45E-10	1.14E-09	7.85E-11	1.56E-09
3090	469726.69	3819141.38	4.12E-09	1.73E-08	1.56E-09	2.30E-08	3.43E-09	1.27E-08	1.12E-09	1.72E-08	3.89E-10	2.23E-09	2.65E-10	2.88E-09	3.53E-10	1.17E-09	8.03E-11	1.60E-09
3091	469730.46	3819132.74	4.21E-09	1.77E-08	1.59E-09	2.35E-08	3.51E-09	1.30E-08	1.14E-09	1.77E-08	3.98E-10	2.28E-09	2.72E-10	2.95E-09	3.62E-10	1.19E-09	8.22E-11	1.64E-09
3092	469734.23	3819124.11	4.32E-09	1.81E-08	1.63E-09	2.41E-08	3.60E-09	1.33E-08	1.17E-09	1.81E-08	4.08E-10	2.33E-09	2.78E-10	3.02E-09	3.71E-10	1.22E-09	8.42E-11	1.68E-09
3093	469737.99	3819115.47	4.42E-09	1.86E-08	1.67E-09	2.47E-08	3.69E-09	1.37E-08	1.20E-09	1.85E-08	4.18E-10	2.39E-09	2.85E-10	3.10E-09	3.80E-10	1.25E-09	8.63E-11	1.72E-09
3094	469741.76	3819106.84	4.53E-09	1.90E-08	1.71E-09	2.53E-08	3.78E-09	1.40E-08	1.23E-09	1.90E-08	4.28E-10	2.45E-09	2.92E-10	3.17E-09	3.89E-10	1.28E-09	8.85E-11	1.76E-09
3095	469745.52	3819098.2	4.64E-09	1.95E-08	1.75E-09	2.59E-08	3.86E-09	1.43E-08	1.26E-09	1.94E-08	4.38E-10	2.51E-09	2.99E-10	3.24E-09	3.98E-10	1.31E-09	9.05E-11	1.80E-09
3096	469749.29	3819089.57	4.74E-09	1.99E-08	1.79E-09	2.64E-08	3.95E-09	1.46E-08	1.29E-09	1.99E-08	4.48E-10	2.56E-09	3.06E-10	3.32E-09	4.07E-10	1.34E-09	9.25E-11	1.84E-09
3097	469753.06	3819080.93	4.85E-09	2.03E-08	1.83E-09	2.70E-08	4.04E-09	1.50E-08	1.32E-09	2.03E-08	4.58E-10	2.62E-09	3.13E-10	3.39E-09	4.16E-10	1.37E-09	9.45E-11	1.88E-09
3098	469756.82	3819072.3	4.96E-09	2.08E-08	1.87E-09	2.76E-08	4.13E-09	1.53E-08	1.35E-09	2.08E-08	4.68E-10	2.68E-09	3.20E-10	3.47E-09	4.25E-10	1.40E-09	9.67E-11	1.92E-09
3099	469760.59	3819063.66	5.07E-09	2.13E-08	1.92E-09	2.83E-08	4.22E-09	1.56E-08	1.38E-09	2.12E-08	4.79E-10	2.74E-09	3.27E-10	3.55E-09	4.35E-10	1.43E-09	9.89E-11	1.97E-09
3100	469764.35	3819055.02	5.18E-09	2.18E-08	1.96E-09	2.89E-08	4.32E-09	1.60E-08	1.41E-09	2.17E-08	4.89E-10	2.80E-09	3.34E-10	3.62E-09	4.45E-10	1.47E-09	1.01E-10	2.01E-09
3101	469768.12	3819046.39	5.29E-09	2.22E-08	2.00E-09	2.95E-08	4.41E-09	1.63E-08	1.44E-09	2.22E-08	5.00E-10	2.86E-09	3.41E-10	3.70E-09	4.54E-10	1.50E-09	1.03E-10	2.06E-09
3102	469771.89	3819037.75	5.40E-09	2.27E-08	2.04E-09	3.01E-08	4.50E-09	1.67E-08	1.47E-09	2.26E-08	5.10E-10	2.92E-09	3.48E-10	3.78E-09	4.64E-10	1.53E-09	1.05E-10	2.10E-09
3103	469775.65	3819029.12	5.50E-09	2.31E-08	2.08E-09	3.07E-08	4.58E-09	1.70E-08	1.49E-09	2.31E-08	5.20E-10	2.98E-09	3.55E-10	3.85E-09	4.72E-10	1.56E-09	1.07E-10	2.14E-09
3104	469779.42	3819020.48	5.60E-09	2.35E-08	2.12E-09	3.13E-08	4.67E-09	1.73E-08	1.52E-09	2.35E-08	5.29E-10	3.03E-09	3.61E-10	3.92E-09	4.81E-10	1.59E-09	1.09E-10	2.18E-09
3105	469783.18	3819011.85	5.70E-09	2.39E-08	2.16E-09	3.18E-08	4.75E-09	1.76E-08	1.55E-09	2.39E-08	5.38E-10	3.08E-09	3.68E-10	3.99E-09	4.89E-10	1.61E-09	1.11E-10	2.21E-09
3106	469786.95	3819003.21	5.79E-09	2.43E-08	2.19E-09	3.23E-08	4.82E-09	1.79E-08	1.57E-09	2.43E-08	5.47E-10	3.13E-09	3.73E-10	4.05E-09	4.97E-10	1.64E-09	1.13E-10	2.25E-09
3107	469798.25	3818977.31	6.02E-09	2.53E-08	2.28E-09	3.36E-08	5.01E-09	1.86E-08	1.63E-09	2.52E-08	5.68E-10	3.25E-09	3.88E-10	4.21E-09	5.17E-10	1.70E-09	1.17E-10	2.34E-09

3108	469802.01	3818968.67	6.08E-09	2.55E-08	2.30E-09	3.39E-08	5.07E-09	1.88E-08	1.65E-09	2.55E-08	5.74E-10	3.29E-09	3.92E-10	4.26E-09	5.22E-10	1.72E-09	1.19E-10	2.36E-09
3109	469805.78	3818960.04	6.14E-09	2.58E-08	2.32E-09	3.43E-08	5.11E-09	1.89E-08	1.67E-09	2.57E-08	5.80E-10	3.32E-09	3.96E-10	4.30E-09	5.27E-10	1.74E-09	1.20E-10	2.39E-09
3110	469809.55	3818951.4	6.19E-09	2.60E-08	2.34E-09	3.45E-08	5.16E-09	1.91E-08	1.68E-09	2.59E-08	5.84E-10	3.35E-09	3.99E-10	4.33E-09	5.31E-10	1.75E-09	1.21E-10	2.40E-09
3111	469813.31	3818942.76	6.22E-09	2.61E-08	2.35E-09	3.47E-08	5.18E-09	1.92E-08	1.69E-09	2.61E-08	5.88E-10	3.36E-09	4.01E-10	4.35E-09	5.34E-10	1.76E-09	1.21E-10	2.42E-09
3112	469825.84	3818930.66	6.46E-09	2.71E-08	2.44E-09	3.60E-08	5.38E-09	1.99E-08	1.75E-09	2.71E-08	6.10E-10	3.49E-09	4.17E-10	4.52E-09	5.55E-10	1.83E-09	1.26E-10	2.51E-09
3113	469843.35	3818923.72	6.89E-09	2.89E-08	2.60E-09	3.84E-08	5.74E-09	2.13E-08	1.87E-09	2.89E-08	6.50E-10	3.72E-09	4.44E-10	4.82E-09	5.91E-10	1.95E-09	1.34E-10	2.68E-09
3114	469852.11	3818920.25	7.09E-09	2.98E-08	2.68E-09	3.96E-08	5.91E-09	2.19E-08	1.93E-09	2.97E-08	6.70E-10	3.83E-09	4.58E-10	4.96E-09	6.09E-10	2.01E-09	1.38E-10	2.76E-09
3115	469860.87	3818916.78	7.30E-09	3.07E-08	2.76E-09	4.07E-08	6.08E-09	2.25E-08	1.98E-09	3.06E-08	6.89E-10	3.95E-09	4.71E-10	5.11E-09	6.27E-10	2.07E-09	1.42E-10	2.84E-09
3116	469869.63	3818913.32	7.51E-09	3.15E-08	2.84E-09	4.19E-08	6.25E-09	2.32E-08	2.04E-09	3.15E-08	7.09E-10	4.06E-09	4.84E-10	5.25E-09	6.44E-10	2.13E-09	1.46E-10	2.92E-09
3117	469878.39	3818909.85	7.71E-09	3.24E-08	2.92E-09	4.30E-08	6.42E-09	2.38E-08	2.09E-09	3.23E-08	7.28E-10	4.17E-09	4.97E-10	5.39E-09	6.62E-10	2.18E-09	1.50E-10	2.99E-09
3118	469887.15	3818906.38	7.91E-09	3.32E-08	2.99E-09	4.41E-08	6.59E-09	2.44E-08	2.15E-09	3.31E-08	7.47E-10	4.27E-09	5.10E-10	5.53E-09	6.79E-10	2.24E-09	1.54E-10	3.07E-09
3119	469895.91	3818902.91	8.10E-09	3.40E-08	3.06E-09	4.52E-08	6.75E-09	2.50E-08	2.20E-09	3.39E-08	7.65E-10	4.38E-09	5.23E-10	5.67E-09	6.96E-10	2.29E-09	1.58E-10	3.15E-09
3120	469904.67	3818899.44	8.29E-09	3.48E-08	3.14E-09	4.63E-08	6.91E-09	2.56E-08	2.25E-09	3.47E-08	7.83E-10	4.48E-09	5.35E-10	5.80E-09	7.12E-10	2.35E-09	1.62E-10	3.22E-09
3121	469913.42	3818895.97	8.48E-09	3.56E-08	3.21E-09	4.73E-08	7.06E-09	2.62E-08	2.30E-09	3.55E-08	8.01E-10	4.58E-09	5.47E-10	5.93E-09	7.28E-10	2.40E-09	1.65E-10	3.29E-09
3122	469922.18	3818892.5	8.66E-09	3.64E-08	3.28E-09	4.83E-08	7.21E-09	2.67E-08	2.35E-09	3.63E-08	8.18E-10	4.68E-09	5.59E-10	6.06E-09	7.43E-10	2.45E-09	1.69E-10	3.36E-09
3123	469930.94	3818889.03	8.84E-09	3.71E-08	3.34E-09	4.93E-08	7.36E-09	2.73E-08	2.40E-09	3.70E-08	8.34E-10	4.78E-09	5.70E-10	6.18E-09	7.59E-10	2.50E-09	1.72E-10	3.43E-09
3124	469939.7	3818885.56	9.01E-09	3.78E-08	3.41E-09	5.02E-08	7.50E-09	2.78E-08	2.44E-09	3.77E-08	8.50E-10	4.87E-09	5.81E-10	6.30E-09	7.73E-10	2.55E-09	1.76E-10	3.50E-09
3125	469948.46	3818882.09	9.17E-09	3.85E-08	3.47E-09	5.11E-08	7.64E-09	2.83E-08	2.49E-09	3.84E-08	8.66E-10	4.96E-09	5.91E-10	6.41E-09	7.87E-10	2.60E-09	1.79E-10	3.56E-09
3126	469957.22	3818878.62	9.33E-09	3.92E-08	3.53E-09	5.20E-08	7.77E-09	2.88E-08	2.53E-09	3.91E-08	8.81E-10	5.04E-09	6.02E-10	6.52E-09	8.01E-10	2.64E-09	1.82E-10	3.62E-09
3127	469965.98	3818875.16	9.49E-09	3.98E-08	3.59E-09	5.29E-08	7.90E-09	2.93E-08	2.58E-09	3.98E-08	8.96E-10	5.13E-09	6.12E-10	6.64E-09	8.14E-10	2.69E-09	1.85E-10	3.69E-09
3128	469974.74	3818871.69	9.65E-09	4.05E-08	3.65E-09	5.38E-08	8.03E-09	2.98E-08	2.62E-09	4.04E-08	9.11E-10	5.21E-09	6.22E-10	6.75E-09	8.28E-10	2.73E-09	1.88E-10	3.75E-09
3129	469983.5	3818868.22	9.80E-09	4.11E-08	3.71E-09	5.46E-08	8.16E-09	3.02E-08	2.66E-09	4.11E-08	9.25E-10	5.30E-09	6.32E-10	6.85E-09	8.41E-10	2.77E-09	1.91E-10	3.81E-09
3130	469992.25	3818864.75	9.94E-09	4.17E-08	3.76E-09	5.54E-08	8.28E-09	3.07E-08	2.70E-09	4.16E-08	9.38E-10	5.37E-09	6.41E-10	6.95E-09	8.53E-10	2.81E-09	1.94E-10	3.86E-09
3131	470001.01	3818861.28	1.01E-08	4.23E-08	3.81E-09	5.61E-08	8.38E-09	3.10E-08	2.73E-09	4.22E-08	9.50E-10	5.44E-09	6.49E-10	7.04E-09	8.64E-10	2.85E-09	1.96E-10	3.91E-09
3132	470009.77	3818857.81	1.02E-08	4.27E-08	3.85E-09	5.68E-08	8.48E-09	3.14E-08	2.76E-09	4.26E-08	9.61E-10	5.50E-09	6.56E-10	7.12E-09	8.74E-10	2.88E-09	1.99E-10	3.95E-09
3133	470018.53	3818854.34	1.03E-08	4.32E-08	3.89E-09	5.73E-08	8.56E-09	3.17E-08	2.79E-09	4.31E-08	9.71E-10	5.56E-09	6.63E-10	7.19E-09	8.83E-10	2.91E-09	2.01E-10	3.99E-09
3134	470027.29	3818850.87	1.04E-08	4.36E-08	3.93E-09	5.79E-08	8.65E-09	3.20E-08	2.82E-09	4.35E-08	9.80E-10	5.61E-09	6.69E-10	7.26E-09	8.91E-10	2.94E-09	2.03E-10	4.03E-09
3135	470044.81	3818843.93	1.05E-08	4.43E-08	3.99E-09	5.88E-08	8.78E-09	3.25E-08	2.86E-09	4.42E-08	9.95E-10	5.70E-09	6.80E-10	7.37E-09	9.05E-10	2.98E-09	2.06E-10	4.09E-09
3136	470053.57	3818840.47	1.06E-08	4.45E-08	4.01E-09	5.92E-08	8.83E-09	3.27E-08	2.88E-09	4.44E-08	1.00E-09	5.73E-09	6.84E-10	7.42E-09	9.10E-10	3.00E-09	2.07E-10	4.12E-09
3137	470062.33	3818837	1.07E-08	4.48E-08	4.03E-09	5.94E-08	8.88E-09	3.29E-08	2.89E-09	4.47E-08	1.01E-09	5.76E-09	6.87E-10	7.45E-09	9.15E-10	3.02E-09	2.08E-10	4.14E-09
3138	470071.08	3818833.53	1.07E-08	4.49E-08	4.04E-09	5.96E-08	8.91E-09	3.30E-08	2.90E-09	4.48E-08	1.01E-09	5.78E-09	6.90E-10	7.48E-09	9.18E-10	3.03E-09	2.09E-10	4.15E-09
3139	470079.84	3818830.06	1.07E-08	4.50E-08	4.05E-09	5.98E-08	8.93E-09	3.31E-08	2.91E-09	4.49E-08	1.01E-09	5.79E-09	6.91E-10	7.50E-09	9.20E-10	3.03E-09	2.09E-10	4.16E-09
3140	470088.6	3818826.59	1.07E-08	4.50E-08	4.06E-09	5.98E-08	8.93E-09	3.31E-08	2.91E-09	4.49E-08	1.01E-09	5.80E-09	6.92E-10	7.50E-09	9.21E-10	3.04E-09	2.09E-10	4.17E-09
3141	470097.36	3818823.12	1.07E-08	4.50E-08	4.05E-09	5.98E-08	8.92E-09	3.31E-08	2.91E-09	4.49E-08	1.01E-09	5.79E-09	6.91E-10	7.49E-09	9.20E-10	3.03E-09	2.09E-10	4.16E-09
3142	470106.12	3818819.65	1.07E-08	4.49E-08	4.04E-09	5.96E-08	8.90E-09	3.30E-08	2.90E-09	4.48E-08	1.01E-09	5.78E-09	6.89E-10	7.48E-09	9.18E-10	3.03E-09	2.09E-10	4.15E-09
3143	469656.62	3819209.55	2.96E-09	1.24E-08	1.12E-09	1.65E-08	2.47E-09	9.14E-09	8.04E-10	1.24E-08	2.80E-10	1.60E-09	1.91E-10	2.07E-09	2.54E-10	8.38E-10	5.78E-11	1.15E-09
3144	469660.41	3819200.86	3.00E-09	1.26E-08	1.13E-09	1.67E-08	2.50E-09	9.25E-09	8.14E-10	1.26E-08	2.83E-10	1.62E-09	1.93E-10	2.10E-09	2.57E-10	8.49E-10	5.85E-11	1.16E-09
3145	469664.2	3819192.17	3.04E-09	1.28E-08	1.15E-09	1.70E-08	2.53E-09	9.38E-09	8.25E-10	1.27E-08	2.87E-10	1.64E-09	1.96E-10	2.13E-09	2.61E-10	8.60E-10	5.93E-11	1.18E-09
3146	469667.99	3819183.48	3.08E-09	1.30E-08	1.17E-09	1.72E-08	2.57E-09	9.52E-09	8.37E-10	1.29E-08	2.91E-10	1.67E-09	1.99E-10	2.16E-09	2.65E-10	8.73E-10	6.02E-11	1.20E-09
3147	469671.78	3819174.79	3.14E-09	1.32E-08	1.19E-09	1.75E-08	2.61E-09	9.68E-09	8.51E-10	1.31E-08	2.96E-10	1.70E-09	2.02E-10	2.19E-09	2.69E-10	8.88E-10	6.12E-11	1.22E-09
3148	469675.57	3819166.09	3.19E-09	1.34E-08	1.21E-09	1.78E-08	2.66E-09	9.85E-09	8.67E-10	1.34E-08	3.01E-10	1.73E-09	2.06E-10	2.23E-09	2.74E-10	9.04E-10	6.23E-11	1.24E-09
3149	469705.9	3819096.57	3.79E-09	1.59E-08	1.43E-09	2.12E-08	3.16E-09	1.17E-08	1.03E-09	1.59E-08	3.58E-10	2.05E-09	2.45E-10	2.65E-09	3.26E-10	1.07E-09	7.40E-11	1.47E-09
3150	469709.69	3819087.88	3.88E-09	1.63E-08	1.47E-09	2.16E-08	3.23E-09	1.20E-08	1.05E-09	1.62E-08	3.66E-10	2.10E-09	2.50E-10	2.71E-09	3.33E-10	1.10E-09	7.57E-11	1.51E-09
3151	469713.48	3819079.19	3.96E-09	1.66E-08	1.50E-09	2.21E-08	3.30E-09	1.22E-08	1.08E-09	1.66E-08	3.74E-10	2.14E-09	2.56E-10	2.77E-09	3.40E-10	1.12E-09	7.73E-11	1.54E-09
3152	469717.27	3819070.49	4.05E-09	1.70E-08	1.53E-09	2.26E-08	3.38E-09	1.25E-08	1.10E-09	1.70E-08	3.83E-10	2.19E-09	2.61E-10	2.83E-09	3.48E-10	1.15E-09	7.91E-11	1.57E-09
3153	469721.06	3819061.8	4.15E-09	1.74E-08	1.57E-09	2.31E-08	3.45E-09	1.28E-08	1.13E-09	1.74E-08	3.92E-10	2.24E-09	2.67E-10	2.90E-09	3.56E-10	1.17E-09	8.09E-11	1.61E-09
3154	469724.85	3819053.11	4.24E-09	1.78E-08	1.60E-09	2.37E-08	3.53E-09	1.31E-08	1.15E-09	1.78E-08	4.00E-10	2.29E-09	2.74E-10	2.97E-09	3.64E-10	1.20E-09	8.27E-11	1.65E-09
3155	469728.64	3819044.42	4.33E-09	1.82E-08	1.64E-09	2.42E-08	3.61E-09	1.34E-08	1.18E-09	1.82E-08	4.09E-10	2.34E-09	2.80E-10	3.03E-09	3.72E-10	1.23E-09	8.46E-11	1.68E-09
3156	469732.43	3819035.73	4.43E-09	1.86E-08	1.67E-09	2.47E-08	3.69E-09	1.37E-08	1.20E-09	1.85E-08	4.18E-10	2.39E-09	2.86E-10	3.10E-09	3.80E-10	1.25E-09	8.64E-11	1.72E-09
3157	469736.22	3819027.04	4.52E-09	1.90E-08	1.71E-09	2.52E-08	3.76E-09	1.39E-08	1.23E-09	1.89E-08	4.27E-10	2.44E-09	2.91E-10	3.16E-09	3.88E-10	1.28E-09	8.82E-11	1.75E-09
3158	469740.01	3819018.35	4.61E-09	1.93E-08	1.74E-09	2.57E-08	3.84E-09	1.42E-08	1.25E-09	1.93E-08	4.35E-10	2.49E-09	2.97E-10	3.22E-09	3.96E-10	1.30E-09	8.99E-11	1.79E-09

3159	469743.8	3819009.66	4.69E-09	1.97E-08	1.77E-09	2.62E-08	3.91E-09	1.45E-08	1.27E-09	1.96E-08	4.43E-10	2.53E-09	3.02E-10	3.28E-09	4.03E-10	1.33E-09	9.15E-11	1.82E-09
3160	469747.59	3819000.97	4.77E-09	2.00E-08	1.80E-09	2.66E-08	3.97E-09	1.47E-08	1.29E-09	2.00E-08	4.50E-10	2.58E-09	3.07E-10	3.33E-09	4.09E-10	1.35E-09	9.30E-11	1.85E-09
3161	469758.96	3818974.89	4.99E-09	2.09E-08	1.89E-09	2.78E-08	4.15E-09	1.54E-08	1.35E-09	2.09E-08	4.71E-10	2.69E-09	3.22E-10	3.49E-09	4.28E-10	1.41E-09	9.73E-11	1.94E-09
3162	469762.75	3818966.2	5.05E-09	2.12E-08	1.91E-09	2.82E-08	4.21E-09	1.56E-08	1.37E-09	2.12E-08	4.77E-10	2.73E-09	3.26E-10	3.53E-09	4.34E-10	1.43E-09	9.86E-11	1.96E-09
3163	469766.54	3818957.51	5.11E-09	2.15E-08	1.93E-09	2.85E-08	4.26E-09	1.58E-08	1.39E-09	2.14E-08	4.83E-10	2.76E-09	3.30E-10	3.58E-09	4.39E-10	1.45E-09	9.97E-11	1.99E-09
3164	469770.33	3818948.82	5.17E-09	2.17E-08	1.95E-09	2.88E-08	4.30E-09	1.59E-08	1.40E-09	2.17E-08	4.88E-10	2.79E-09	3.33E-10	3.62E-09	4.44E-10	1.46E-09	1.01E-10	2.01E-09
3165	469774.12	3818940.13	5.22E-09	2.19E-08	1.97E-09	2.91E-08	4.35E-09	1.61E-08	1.42E-09	2.19E-08	4.93E-10	2.82E-09	3.37E-10	3.65E-09	4.48E-10	1.48E-09	1.02E-10	2.03E-09
3166	469777.91	3818931.44	5.27E-09	2.21E-08	1.99E-09	2.94E-08	4.39E-09	1.62E-08	1.43E-09	2.21E-08	4.97E-10	2.85E-09	3.40E-10	3.68E-09	4.52E-10	1.49E-09	1.03E-10	2.05E-09
3167	469781.7	3818922.75	5.31E-09	2.23E-08	2.01E-09	2.96E-08	4.42E-09	1.64E-08	1.44E-09	2.22E-08	5.01E-10	2.87E-09	3.42E-10	3.71E-09	4.55E-10	1.50E-09	1.04E-10	2.06E-09
3168	469785.49	3818914.06	5.34E-09	2.24E-08	2.02E-09	2.98E-08	4.45E-09	1.65E-08	1.45E-09	2.24E-08	5.04E-10	2.89E-09	3.44E-10	3.74E-09	4.58E-10	1.51E-09	1.04E-10	2.07E-09
3169	469798.1	3818901.88	5.53E-09	2.32E-08	2.09E-09	3.09E-08	4.61E-09	1.71E-08	1.50E-09	2.32E-08	5.23E-10	2.99E-09	3.57E-10	3.87E-09	4.75E-10	1.57E-09	1.08E-10	2.15E-09
3170	469806.91	3818898.38	5.70E-09	2.39E-08	2.16E-09	3.18E-08	4.75E-09	1.76E-08	1.55E-09	2.39E-08	5.38E-10	3.08E-09	3.68E-10	3.99E-09	4.89E-10	1.61E-09	1.11E-10	2.21E-09
3171	469815.73	3818894.89	5.87E-09	2.46E-08	2.22E-09	3.27E-08	4.89E-09	1.81E-08	1.59E-09	2.46E-08	5.54E-10	3.17E-09	3.78E-10	4.10E-09	5.04E-10	1.66E-09	1.14E-10	2.28E-09
3172	469824.54	3818891.4	6.03E-09	2.53E-08	2.28E-09	3.37E-08	5.03E-09	1.86E-08	1.64E-09	2.53E-08	5.70E-10	3.26E-09	3.89E-10	4.22E-09	5.18E-10	1.71E-09	1.18E-10	2.34E-09
3173	469842.17	3818884.42	6.37E-09	2.67E-08	2.41E-09	3.55E-08	5.30E-09	1.96E-08	1.73E-09	2.67E-08	6.01E-10	3.44E-09	4.11E-10	4.45E-09	5.46E-10	1.80E-09	1.24E-10	2.47E-09
3174	469850.99	3818880.93	6.53E-09	2.74E-08	2.47E-09	3.64E-08	5.44E-09	2.02E-08	1.77E-09	2.74E-08	6.17E-10	3.53E-09	4.21E-10	4.57E-09	5.61E-10	1.85E-09	1.27E-10	2.54E-09
3175	469859.8	3818877.44	6.69E-09	2.81E-08	2.53E-09	3.73E-08	5.58E-09	2.07E-08	1.82E-09	2.80E-08	6.32E-10	3.62E-09	4.32E-10	4.68E-09	5.75E-10	1.89E-09	1.31E-10	2.60E-09
3176	469868.62	3818873.94	6.85E-09	2.88E-08	2.59E-09	3.82E-08	5.71E-09	2.11E-08	1.86E-09	2.87E-08	6.47E-10	3.70E-09	4.42E-10	4.79E-09	5.88E-10	1.94E-09	1.34E-10	2.66E-09
3177	469877.43	3818870.45	7.01E-09	2.94E-08	2.65E-09	3.91E-08	5.84E-09	2.16E-08	1.90E-09	2.94E-08	6.62E-10	3.79E-09	4.52E-10	4.90E-09	6.02E-10	1.98E-09	1.37E-10	2.72E-09
3178	469886.25	3818866.96	7.17E-09	3.01E-08	2.71E-09	4.00E-08	5.97E-09	2.21E-08	1.95E-09	3.00E-08	6.77E-10	3.87E-09	4.62E-10	5.01E-09	6.15E-10	2.03E-09	1.40E-10	2.78E-09
3179	469895.06	3818863.47	7.32E-09	3.07E-08	2.77E-09	4.08E-08	6.10E-09	2.26E-08	1.99E-09	3.07E-08	6.91E-10	3.96E-09	4.72E-10	5.12E-09	6.28E-10	2.07E-09	1.43E-10	2.84E-09
3180	469903.88	3818859.98	7.47E-09	3.14E-08	2.82E-09	4.16E-08	6.22E-09	2.30E-08	2.03E-09	3.13E-08	7.05E-10	4.04E-09	4.82E-10	5.22E-09	6.41E-10	2.11E-09	1.46E-10	2.90E-09
3181	469912.69	3818856.49	7.60E-09	3.19E-08	2.88E-09	4.24E-08	6.33E-09	2.35E-08	2.06E-09	3.19E-08	7.18E-10	4.11E-09	4.90E-10	5.32E-09	6.53E-10	2.15E-09	1.48E-10	2.95E-09
3182	469921.51	3818853	7.74E-09	3.25E-08	2.93E-09	4.32E-08	6.45E-09	2.39E-08	2.10E-09	3.24E-08	7.31E-10	4.18E-09	4.99E-10	5.42E-09	6.65E-10	2.19E-09	1.51E-10	3.01E-09
3183	469930.32	3818849.5	7.88E-09	3.31E-08	2.98E-09	4.39E-08	6.56E-09	2.43E-08	2.14E-09	3.30E-08	7.44E-10	4.26E-09	5.08E-10	5.51E-09	6.76E-10	2.23E-09	1.54E-10	3.06E-09
3184	469939.14	3818846.01	8.00E-09	3.36E-08	3.03E-09	4.46E-08	6.66E-09	2.47E-08	2.17E-09	3.35E-08	7.56E-10	4.33E-09	5.16E-10	5.60E-09	6.87E-10	2.26E-09	1.56E-10	3.11E-09
3185	469947.95	3818842.52	8.12E-09	3.41E-08	3.07E-09	4.53E-08	6.77E-09	2.51E-08	2.20E-09	3.40E-08	7.67E-10	4.39E-09	5.24E-10	5.68E-09	6.97E-10	2.30E-09	1.58E-10	3.15E-09
3186	469956.77	3818839.03	8.24E-09	3.46E-08	3.12E-09	4.60E-08	6.86E-09	2.54E-08	2.24E-09	3.45E-08	7.78E-10	4.45E-09	5.31E-10	5.76E-09	7.07E-10	2.33E-09	1.61E-10	3.20E-09
3187	469965.58	3818835.54	8.36E-09	3.51E-08	3.16E-09	4.66E-08	6.96E-09	2.58E-08	2.27E-09	3.50E-08	7.89E-10	4.52E-09	5.39E-10	5.85E-09	7.17E-10	2.37E-09	1.63E-10	3.25E-09
3188	469974.4	3818832.05	8.47E-09	3.56E-08	3.21E-09	4.73E-08	7.06E-09	2.62E-08	2.30E-09	3.55E-08	8.00E-10	4.58E-09	5.47E-10	5.93E-09	7.28E-10	2.40E-09	1.65E-10	3.29E-09
3189	469983.22	3818828.56	8.59E-09	3.61E-08	3.25E-09	4.79E-08	7.15E-09	2.65E-08	2.33E-09	3.60E-08	8.11E-10	4.64E-09	5.54E-10	6.01E-09	7.37E-10	2.43E-09	1.68E-10	3.34E-09
3190	469992.03	3818825.07	8.69E-09	3.65E-08	3.29E-09	4.85E-08	7.24E-09	2.68E-08	2.36E-09	3.64E-08	8.21E-10	4.70E-09	5.61E-10	6.08E-09	7.46E-10	2.46E-09	1.70E-10	3.38E-09
3191	470000.85	3818821.57	8.78E-09	3.69E-08	3.32E-09	4.90E-08	7.31E-09	2.71E-08	2.38E-09	3.68E-08	8.29E-10	4.75E-09	5.66E-10	6.14E-09	7.54E-10	2.49E-09	1.71E-10	3.41E-09
3192	470009.66	3818818.08	8.86E-09	3.72E-08	3.35E-09	4.94E-08	7.38E-09	2.74E-08	2.41E-09	3.71E-08	8.37E-10	4.79E-09	5.72E-10	6.20E-09	7.61E-10	2.51E-09	1.73E-10	3.44E-09
3193	470018.48	3818814.59	8.94E-09	3.75E-08	3.38E-09	4.99E-08	7.45E-09	2.76E-08	2.43E-09	3.75E-08	8.44E-10	4.83E-09	5.77E-10	6.25E-09	7.68E-10	2.53E-09	1.74E-10	3.47E-09
3194	470027.29	3818811.1	9.01E-09	3.78E-08	3.41E-09	5.03E-08	7.51E-09	2.78E-08	2.45E-09	3.78E-08	8.51E-10	4.87E-09	5.81E-10	6.30E-09	7.74E-10	2.55E-09	1.76E-10	3.50E-09
3195	470044.92	3818804.12	9.12E-09	3.83E-08	3.45E-09	5.09E-08	7.60E-09	2.81E-08	2.48E-09	3.82E-08	8.61E-10	4.93E-09	5.88E-10	6.38E-09	7.83E-10	2.58E-09	1.78E-10	3.54E-09
3196	470053.74	3818800.63	9.16E-09	3.85E-08	3.46E-09	5.11E-08	7.63E-09	2.83E-08	2.49E-09	3.84E-08	8.65E-10	4.95E-09	5.91E-10	6.41E-09	7.86E-10	2.59E-09	1.79E-10	3.56E-09
3197	470062.55	3818797.13	9.19E-09	3.86E-08	3.47E-09	5.12E-08	7.65E-09	2.84E-08	2.49E-09	3.85E-08	8.68E-10	4.97E-09	5.93E-10	6.43E-09	7.89E-10	2.60E-09	1.79E-10	3.57E-09
3198	470071.37	3818793.64	9.21E-09	3.87E-08	3.48E-09	5.13E-08	7.67E-09	2.84E-08	2.50E-09	3.86E-08	8.69E-10	4.98E-09	5.94E-10	6.44E-09	7.90E-10	2.61E-09	1.80E-10	3.58E-09
3199	470080.18	3818790.15	9.21E-09	3.87E-08	3.48E-09	5.14E-08	7.67E-09	2.84E-08	2.50E-09	3.86E-08	8.70E-10	4.98E-09	5.94E-10	6.44E-09	7.91E-10	2.61E-09	1.80E-10	3.58E-09
3200	470089	3818786.66	9.20E-09	3.87E-08	3.48E-09	5.13E-08	7.67E-09	2.84E-08	2.50E-09	3.86E-08	8.69E-10	4.98E-09	5.94E-10	6.44E-09	7.90E-10	2.61E-09	1.80E-10	3.58E-09
3201	470097.81	3818783.17	9.19E-09	3.86E-08	3.47E-09	5.12E-08	7.65E-09	2.83E-08	2.49E-09	3.85E-08	8.67E-10	4.97E-09	5.92E-10	6.43E-09	7.89E-10	2.60E-09	1.79E-10	3.57E-09
3202	470106.63	3818779.68	9.15E-09	3.84E-08	3.46E-09	5.11E-08	7.62E-09	2.82E-08	2.48E-09	3.84E-08	8.64E-10	4.95E-09	5.90E-10	6.40E-09	7.86E-10	2.59E-09	1.79E-10	3.56E-09
3203	469616.67	3819208.65	2.50E-09	1.05E-08	9.47E-10	1.40E-08	2.09E-09	7.73E-09	6.80E-10	1.05E-08	2.36E-10	1.35E-09	1.61E-10	1.75E-09	2.15E-10	7.09E-10	4.89E-11	9.72E-10
3204	469620.48	3819199.92	2.53E-09	1.06E-08	9.56E-10	1.41E-08	2.11E-09	7.80E-09	6.86E-10	1.06E-08	2.39E-10	1.37E-09	1.63E-10	1.77E-09	2.17E-10	7.15E-10	4.93E-11	9.82E-10
3205	469624.29	3819191.18	2.56E-09	1.07E-08	9.67E-10	1.43E-08	2.13E-09	7.89E-09	6.94E-10	1.07E-08	2.41E-10	1.38E-09	1.65E-10	1.79E-09	2.19E-10	7.24E-10	4.99E-11	9.93E-10
3206	469628.1	3819182.44	2.59E-09	1.09E-08	9.79E-10	1.44E-08	2.16E-09	7.99E-09	7.03E-10	1.08E-08	2.44E-10	1.40E-09	1.67E-10	1.81E-09	2.22E-10	7.33E-10	5.05E-11	1.01E-09
3207	469631.92	3819173.7	2.63E-09	1.10E-08	9.94E-10	1.47E-08	2.19E-09	8.11E-09	7.13E-10	1.10E-08	2.48E-10	1.42E-09	1.69E-10	1.84E-09	2.26E-10	7.44E-10	5.13E-11	1.02E-09
3208	469635.73	3819164.96	2.67E-09	1.12E-08	1.01E-09	1.49E-08	2.22E-09	8.24E-09	7.25E-10	1.12E-08	2.52E-10	1.44E-09	1.72E-10	1.87E-09	2.29E-10	7.56E-10	5.21E-11	1.04E-09
3209	469639.54	3819156.23	2.72E-09	1.14E-08	1.03E-09	1.52E-08	2.26E-09	8.39E-09	7.38E-10	1.14E-08	2.57E-10	1.47E-09	1.75E-10	1.90E-09	2.33E-10	7.69E-10	5.30E-11	1.06E-09

3210	469643.35	3819147.49	2.77E-09	1.16E-08	1.05E-09	1.55E-08	2.31E-09	8.55E-09	7.52E-10	1.16E-08	2.62E-10	1.50E-09	1.79E-10	1.94E-09	2.38E-10	7.84E-10	5.41E-11	1.08E-09
3211	469647.16	3819138.75	2.83E-09	1.19E-08	1.07E-09	1.58E-08	2.35E-09	8.72E-09	7.67E-10	1.18E-08	2.67E-10	1.53E-09	1.82E-10	1.98E-09	2.43E-10	8.00E-10	5.52E-11	1.10E-09
3212	469650.97	3819130.01	2.89E-09	1.21E-08	1.09E-09	1.61E-08	2.40E-09	8.91E-09	7.84E-10	1.21E-08	2.73E-10	1.56E-09	1.86E-10	2.02E-09	2.48E-10	8.17E-10	5.63E-11	1.12E-09
3213	469654.78	3819121.27	2.95E-09	1.24E-08	1.12E-09	1.65E-08	2.46E-09	9.11E-09	8.01E-10	1.24E-08	2.79E-10	1.60E-09	1.90E-10	2.06E-09	2.53E-10	8.35E-10	5.76E-11	1.15E-09
3214	469658.59	3819112.53	3.02E-09	1.27E-08	1.14E-09	1.68E-08	2.51E-09	9.31E-09	8.19E-10	1.26E-08	2.85E-10	1.63E-09	1.95E-10	2.11E-09	2.59E-10	8.54E-10	5.89E-11	1.17E-09
3215	469662.4	3819103.8	3.08E-09	1.30E-08	1.17E-09	1.72E-08	2.57E-09	9.52E-09	8.37E-10	1.29E-08	2.91E-10	1.67E-09	1.99E-10	2.16E-09	2.65E-10	8.73E-10	6.02E-11	1.20E-09
3216	469666.21	3819095.06	3.15E-09	1.32E-08	1.19E-09	1.76E-08	2.62E-09	9.72E-09	8.55E-10	1.32E-08	2.97E-10	1.70E-09	2.03E-10	2.20E-09	2.70E-10	8.91E-10	6.14E-11	1.22E-09
3217	469670.02	3819086.32	3.21E-09	1.35E-08	1.22E-09	1.79E-08	2.68E-09	9.92E-09	8.73E-10	1.35E-08	3.04E-10	1.74E-09	2.07E-10	2.25E-09	2.76E-10	9.10E-10	6.27E-11	1.25E-09
3218	469673.83	3819077.58	3.28E-09	1.38E-08	1.24E-09	1.83E-08	2.73E-09	1.01E-08	8.91E-10	1.38E-08	3.10E-10	1.77E-09	2.12E-10	2.30E-09	2.82E-10	9.29E-10	6.40E-11	1.27E-09
3219	469677.64	3819068.84	3.36E-09	1.41E-08	1.27E-09	1.87E-08	2.80E-09	1.04E-08	9.11E-10	1.41E-08	3.17E-10	1.81E-09	2.17E-10	2.35E-09	2.88E-10	9.50E-10	6.55E-11	1.30E-09
3220	469704.32	3819007.68	3.89E-09	1.63E-08	1.47E-09	2.17E-08	3.24E-09	1.20E-08	1.05E-09	1.63E-08	3.67E-10	2.10E-09	2.51E-10	2.72E-09	3.34E-10	1.10E-09	7.58E-11	1.51E-09
3221	469708.13	3818998.94	3.96E-09	1.66E-08	1.50E-09	2.21E-08	3.30E-09	1.22E-08	1.07E-09	1.66E-08	3.74E-10	2.14E-09	2.55E-10	2.77E-09	3.40E-10	1.12E-09	7.72E-11	1.54E-09
3222	469715.75	3818981.46	4.10E-09	1.72E-08	1.55E-09	2.28E-08	3.41E-09	1.26E-08	1.11E-09	1.72E-08	3.87E-10	2.21E-09	2.64E-10	2.87E-09	3.52E-10	1.16E-09	7.99E-11	1.59E-09
3223	469719.56	3818972.72	4.16E-09	1.75E-08	1.57E-09	2.32E-08	3.47E-09	1.28E-08	1.13E-09	1.74E-08	3.93E-10	2.25E-09	2.69E-10	2.91E-09	3.57E-10	1.18E-09	8.13E-11	1.62E-09
3224	469723.37	3818963.99	4.23E-09	1.78E-08	1.60E-09	2.36E-08	3.52E-09	1.31E-08	1.15E-09	1.77E-08	3.99E-10	2.29E-09	2.73E-10	2.96E-09	3.63E-10	1.20E-09	8.25E-11	1.64E-09
3225	469727.19	3818955.25	4.29E-09	1.80E-08	1.62E-09	2.39E-08	3.57E-09	1.32E-08	1.16E-09	1.80E-08	4.05E-10	2.32E-09	2.77E-10	3.00E-09	3.68E-10	1.21E-09	8.37E-11	1.67E-09
3226	469731	3818946.51	4.35E-09	1.83E-08	1.64E-09	2.43E-08	3.62E-09	1.34E-08	1.18E-09	1.82E-08	4.11E-10	2.35E-09	2.81E-10	3.04E-09	3.73E-10	1.23E-09	8.49E-11	1.69E-09
3227	469734.81	3818937.77	4.40E-09	1.85E-08	1.67E-09	2.46E-08	3.67E-09	1.36E-08	1.20E-09	1.85E-08	4.16E-10	2.38E-09	2.84E-10	3.08E-09	3.78E-10	1.25E-09	8.59E-11	1.71E-09
3228	469738.62	3818929.03	4.45E-09	1.87E-08	1.68E-09	2.48E-08	3.71E-09	1.37E-08	1.21E-09	1.87E-08	4.21E-10	2.41E-09	2.87E-10	3.12E-09	3.82E-10	1.26E-09	8.69E-11	1.73E-09
3229	469742.43	3818920.29	4.50E-09	1.89E-08	1.70E-09	2.51E-08	3.75E-09	1.39E-08	1.22E-09	1.89E-08	4.25E-10	2.43E-09	2.90E-10	3.15E-09	3.86E-10	1.27E-09	8.78E-11	1.75E-09
3230	469746.24	3818911.56	4.53E-09	1.90E-08	1.71E-09	2.53E-08	3.78E-09	1.40E-08	1.23E-09	1.90E-08	4.28E-10	2.45E-09	2.92E-10	3.17E-09	3.89E-10	1.28E-09	8.85E-11	1.76E-09
3231	469750.05	3818902.82	4.57E-09	1.92E-08	1.73E-09	2.55E-08	3.80E-09	1.41E-08	1.24E-09	1.91E-08	4.31E-10	2.47E-09	2.95E-10	3.19E-09	3.92E-10	1.29E-09	8.91E-11	1.77E-09
3232	469753.86	3818894.08	4.60E-09	1.93E-08	1.74E-09	2.56E-08	3.83E-09	1.42E-08	1.25E-09	1.93E-08	4.34E-10	2.48E-09	2.96E-10	3.22E-09	3.95E-10	1.30E-09	8.97E-11	1.79E-09
3233	469757.67	3818885.34	4.63E-09	1.94E-08	1.75E-09	2.58E-08	3.85E-09	1.43E-08	1.26E-09	1.94E-08	4.37E-10	2.50E-09	2.98E-10	3.24E-09	3.97E-10	1.31E-09	9.03E-11	1.80E-09
3234	469770.35	3818873.09	4.79E-09	2.01E-08	1.81E-09	2.67E-08	3.99E-09	1.48E-08	1.30E-09	2.01E-08	4.52E-10	2.59E-09	3.09E-10	3.35E-09	4.11E-10	1.35E-09	9.34E-11	1.86E-09
3235	469779.21	3818869.58	4.92E-09	2.07E-08	1.86E-09	2.75E-08	4.10E-09	1.52E-08	1.34E-09	2.06E-08	4.65E-10	2.66E-09	3.17E-10	3.44E-09	4.23E-10	1.39E-09	9.60E-11	1.91E-09
3236	469788.07	3818866.07	5.06E-09	2.13E-08	1.91E-09	2.82E-08	4.22E-09	1.56E-08	1.37E-09	2.12E-08	4.78E-10	2.74E-09	3.27E-10	3.54E-09	4.35E-10	1.43E-09	9.88E-11	1.97E-09
3237	469796.94	3818862.56	5.20E-09	2.19E-08	1.97E-09	2.90E-08	4.33E-09	1.61E-08	1.41E-09	2.18E-08	4.91E-10	2.81E-09	3.36E-10	3.64E-09	4.47E-10	1.47E-09	1.02E-10	2.02E-09
3238	469805.8	3818859.05	5.34E-09	2.24E-08	2.02E-09	2.98E-08	4.45E-09	1.65E-08	1.45E-09	2.24E-08	5.05E-10	2.89E-09	3.45E-10	3.74E-09	4.59E-10	1.51E-09	1.04E-10	2.08E-09
3239	469814.66	3818855.54	5.48E-09	2.30E-08	2.07E-09	3.06E-08	4.56E-09	1.69E-08	1.49E-09	2.30E-08	5.17E-10	2.96E-09	3.53E-10	3.83E-09	4.70E-10	1.55E-09	1.07E-10	2.13E-09
3240	469823.52	3818852.03	5.61E-09	2.36E-08	2.12E-09	3.13E-08	4.67E-09	1.73E-08	1.52E-09	2.35E-08	5.30E-10	3.03E-09	3.62E-10	3.93E-09	4.82E-10	1.59E-09	1.10E-10	2.18E-09
3241	469850.11	3818841.5	6.00E-09	2.52E-08	2.27E-09	3.35E-08	5.00E-09	1.85E-08	1.63E-09	2.51E-08	5.67E-10	3.24E-09	3.87E-10	4.20E-09	5.15E-10	1.70E-09	1.17E-10	2.33E-09
3242	469858.98	3818837.99	6.12E-09	2.57E-08	2.32E-09	3.42E-08	5.10E-09	1.89E-08	1.66E-09	2.57E-08	5.78E-10	3.31E-09	3.95E-10	4.28E-09	5.26E-10	1.73E-09	1.20E-10	2.38E-09
3243	469867.84	3818834.48	6.25E-09	2.62E-08	2.36E-09	3.48E-08	5.20E-09	1.93E-08	1.70E-09	2.62E-08	5.90E-10	3.38E-09	4.03E-10	4.37E-09	5.36E-10	1.77E-09	1.22E-10	2.43E-09
3244	469876.7	3818830.97	6.36E-09	2.67E-08	2.41E-09	3.55E-08	5.30E-09	1.96E-08	1.73E-09	2.67E-08	6.01E-10	3.44E-09	4.10E-10	4.45E-09	5.46E-10	1.80E-09	1.24E-10	2.47E-09
3245	469885.57	3818827.46	6.48E-09	2.72E-08	2.45E-09	3.61E-08	5.40E-09	2.00E-08	1.76E-09	2.71E-08	6.12E-10	3.50E-09	4.18E-10	4.53E-09	5.56E-10	1.83E-09	1.26E-10	2.52E-09
3246	469894.43	3818823.95	6.59E-09	2.77E-08	2.49E-09	3.68E-08	5.49E-09	2.03E-08	1.79E-09	2.76E-08	6.22E-10	3.56E-09	4.25E-10	4.61E-09	5.66E-10	1.87E-09	1.29E-10	2.56E-09
3247	469903.29	3818820.44	6.70E-09	2.81E-08	2.53E-09	3.74E-08	5.58E-09	2.07E-08	1.82E-09	2.81E-08	6.33E-10	3.62E-09	4.32E-10	4.69E-09	5.75E-10	1.90E-09	1.31E-10	2.60E-09
3248	469912.16	3818816.93	6.82E-09	2.86E-08	2.58E-09	3.80E-08	5.68E-09	2.10E-08	1.85E-09	2.86E-08	6.44E-10	3.68E-09	4.40E-10	4.77E-09	5.85E-10	1.93E-09	1.33E-10	2.65E-09
3249	469921.02	3818813.42	6.92E-09	2.91E-08	2.62E-09	3.86E-08	5.77E-09	2.14E-08	1.88E-09	2.90E-08	6.54E-10	3.74E-09	4.47E-10	4.84E-09	5.94E-10	1.96E-09	1.35E-10	2.69E-09
3250	469929.88	3818809.91	7.03E-09	2.95E-08	2.66E-09	3.92E-08	5.86E-09	2.17E-08	1.91E-09	2.95E-08	6.64E-10	3.80E-09	4.54E-10	4.92E-09	6.04E-10	1.99E-09	1.37E-10	2.73E-09
3251	469938.75	3818806.4	7.13E-09	2.99E-08	2.70E-09	3.97E-08	5.94E-09	2.20E-08	1.93E-09	2.99E-08	6.73E-10	3.85E-09	4.60E-10	4.99E-09	6.12E-10	2.02E-09	1.39E-10	2.77E-09
3252	469947.61	3818802.89	7.22E-09	3.03E-08	2.73E-09	4.03E-08	6.01E-09	2.23E-08	1.96E-09	3.02E-08	6.82E-10	3.90E-09	4.66E-10	5.05E-09	6.20E-10	2.04E-09	1.41E-10	2.80E-09
3253	469956.47	3818799.38	7.30E-09	3.07E-08	2.76E-09	4.07E-08	6.08E-09	2.25E-08	1.98E-09	3.06E-08	6.90E-10	3.95E-09	4.71E-10	5.11E-09	6.27E-10	2.07E-09	1.43E-10	2.84E-09
3254	469965.33	3818795.87	7.39E-09	3.10E-08	2.80E-09	4.12E-08	6.16E-09	2.28E-08	2.01E-09	3.10E-08	6.98E-10	4.00E-09	4.77E-10	5.17E-09	6.35E-10	2.09E-09	1.44E-10	2.87E-09
3255	469974.2	3818792.36	7.48E-09	3.14E-08	2.83E-09	4.17E-08	6.23E-09	2.31E-08	2.03E-09	3.13E-08	7.06E-10	4.04E-09	4.82E-10	5.23E-09	6.42E-10	2.12E-09	1.46E-10	2.90E-09
3256	469983.06	3818788.85	7.55E-09	3.17E-08	2.86E-09	4.21E-08	6.29E-09	2.33E-08	2.05E-09	3.17E-08	7.13E-10	4.08E-09	4.87E-10	5.28E-09	6.48E-10	2.14E-09	1.47E-10	2.93E-09
3257	469991.92	3818785.33	7.62E-09	3.20E-08	2.88E-09	4.25E-08	6.35E-09	2.35E-08	2.07E-09	3.19E-08	7.20E-10	4.12E-09	4.92E-10	5.33E-09	6.54E-10	2.16E-09	1.49E-10	2.96E-09
3258	470000.79	3818781.82	7.69E-09	3.23E-08	2.91E-09	4.29E-08	6.40E-09	2.37E-08	2.09E-09	3.22E-08	7.26E-10	4.16E-09	4.96E-10	5.38E-09	6.60E-10	2.18E-09	1.50E-10	2.99E-09
3259	470009.65	3818778.31	7.74E-09	3.25E-08	2.93E-09	4.32E-08	6.45E-09	2.39E-08	2.10E-09	3.25E-08	7.31E-10	4.19E-09	5.00E-10	5.42E-09	6.65E-10	2.19E-09	1.51E-10	3.01E-09
3260	470018.51	3818774.8	7.80E-09	3.27E-08	2.95E-09	4.35E-08	6.50E-09	2.41E-08	2.12E-09	3.27E-08	7.36E-10	4.22E-09	5.03E-10	5.46E-09	6.69E-10	2.21E-09	1.52E-10	3.03E-09

3261	470027.38	3818771.29	7.85E-09	3.30E-08	2.97E-09	4.38E-08	6.54E-09	2.42E-08	2.13E-09	3.29E-08	7.41E-10	4.24E-09	5.06E-10	5.49E-09	6.74E-10	2.22E-09	1.53E-10	3.05E-09
3262	470045.1	3818764.27	7.93E-09	3.33E-08	3.00E-09	4.42E-08	6.61E-09	2.45E-08	2.15E-09	3.32E-08	7.49E-10	4.29E-09	5.11E-10	5.55E-09	6.81E-10	2.24E-09	1.55E-10	3.08E-09
3263	470107.15	3818739.7	7.95E-09	3.34E-08	3.00E-09	4.43E-08	6.62E-09	2.45E-08	2.16E-09	3.33E-08	7.50E-10	4.30E-09	5.12E-10	5.56E-09	6.82E-10	2.25E-09	1.55E-10	3.09E-09
3264	469607.5	3819303.32	2.81E-09	1.18E-08	1.06E-09	1.57E-08	2.34E-09	8.67E-09	7.63E-10	1.18E-08	2.65E-10	1.52E-09	1.81E-10	1.97E-09	2.41E-10	7.95E-10	5.48E-11	1.09E-09
3265	469607.31	3819312.96	2.87E-09	1.21E-08	1.09E-09	1.60E-08	2.39E-09	8.86E-09	7.80E-10	1.20E-08	2.71E-10	1.55E-09	1.85E-10	2.01E-09	2.47E-10	8.13E-10	5.60E-11	1.12E-09
3266	469607.12	3819322.61	2.94E-09	1.23E-08	1.11E-09	1.64E-08	2.45E-09	9.07E-09	7.98E-10	1.23E-08	2.78E-10	1.59E-09	1.90E-10	2.06E-09	2.52E-10	8.32E-10	5.74E-11	1.14E-09
3267	469606.93	3819332.26	3.01E-09	1.27E-08	1.14E-09	1.68E-08	2.51E-09	9.30E-09	8.18E-10	1.26E-08	2.84E-10	1.63E-09	1.94E-10	2.11E-09	2.59E-10	8.53E-10	5.88E-11	1.17E-09
3268	469606.73	3819341.91	3.09E-09	1.30E-08	1.17E-09	1.72E-08	2.57E-09	9.54E-09	8.39E-10	1.30E-08	2.92E-10	1.67E-09	1.99E-10	2.16E-09	2.65E-10	8.75E-10	6.03E-11	1.20E-09
3269	469606.54	3819351.56	3.17E-09	1.33E-08	1.20E-09	1.77E-08	2.64E-09	9.79E-09	8.62E-10	1.33E-08	3.00E-10	1.72E-09	2.05E-10	2.22E-09	2.72E-10	8.98E-10	6.19E-11	1.23E-09
3270	469606.35	3819361.21	3.26E-09	1.37E-08	1.23E-09	1.82E-08	2.72E-09	1.01E-08	8.86E-10	1.37E-08	3.08E-10	1.76E-09	2.10E-10	2.28E-09	2.80E-10	9.24E-10	6.37E-11	1.27E-09
3271	469606.15	3819370.85	3.36E-09	1.41E-08	1.27E-09	1.87E-08	2.80E-09	1.04E-08	9.12E-10	1.41E-08	3.17E-10	1.82E-09	2.17E-10	2.35E-09	2.88E-10	9.50E-10	6.55E-11	1.30E-09
3272	469605.96	3819380.5	3.46E-09	1.45E-08	1.31E-09	1.93E-08	2.88E-09	1.07E-08	9.39E-10	1.45E-08	3.27E-10	1.87E-09	2.23E-10	2.42E-09	2.97E-10	9.79E-10	6.75E-11	1.34E-09
3273	469605.77	3819390.15	3.57E-09	1.50E-08	1.35E-09	1.99E-08	2.97E-09	1.10E-08	9.68E-10	1.49E-08	3.37E-10	1.93E-09	2.30E-10	2.49E-09	3.06E-10	1.01E-09	6.96E-11	1.38E-09
3274	469605.57	3819399.8	3.68E-09	1.54E-08	1.39E-09	2.05E-08	3.06E-09	1.13E-08	9.98E-10	1.54E-08	3.47E-10	1.99E-09	2.37E-10	2.57E-09	3.16E-10	1.04E-09	7.17E-11	1.43E-09
3275	469605.38	3819409.45	3.80E-09	1.59E-08	1.44E-09	2.12E-08	3.16E-09	1.17E-08	1.03E-09	1.59E-08	3.59E-10	2.05E-09	2.45E-10	2.66E-09	3.26E-10	1.07E-09	7.41E-11	1.48E-09
3276	469605.19	3819419.09	3.93E-09	1.65E-08	1.49E-09	2.19E-08	3.27E-09	1.21E-08	1.07E-09	1.65E-08	3.71E-10	2.12E-09	2.53E-10	2.75E-09	3.37E-10	1.11E-09	7.67E-11	1.53E-09
3277	469604.99	3819428.74	4.07E-09	1.71E-08	1.54E-09	2.27E-08	3.39E-09	1.26E-08	1.10E-09	1.70E-08	3.84E-10	2.20E-09	2.62E-10	2.85E-09	3.49E-10	1.15E-09	7.94E-11	1.58E-09
3278	469604.8	3819438.39	4.21E-09	1.77E-08	1.59E-09	2.35E-08	3.51E-09	1.30E-08	1.14E-09	1.76E-08	3.97E-10	2.28E-09	2.72E-10	2.94E-09	3.61E-10	1.19E-09	8.21E-11	1.63E-09
3279	469576.72	3819207.77	2.16E-09	9.06E-09	8.16E-10	1.20E-08	1.80E-09	6.66E-09	5.86E-10	9.04E-09	2.04E-10	1.17E-09	1.39E-10	1.51E-09	1.85E-10	6.11E-10	4.21E-11	8.38E-10
3280	469580.54	3819198.99	2.17E-09	9.13E-09	8.22E-10	1.21E-08	1.81E-09	6.71E-09	5.90E-10	9.11E-09	2.05E-10	1.18E-09	1.40E-10	1.52E-09	1.87E-10	6.15E-10	4.24E-11	8.45E-10
3281	469584.37	3819190.21	2.19E-09	9.21E-09	8.30E-10	1.22E-08	1.83E-09	6.77E-09	5.96E-10	9.19E-09	2.07E-10	1.19E-09	1.42E-10	1.53E-09	1.88E-10	6.21E-10	4.28E-11	8.52E-10
3282	469588.2	3819181.44	2.22E-09	9.32E-09	8.39E-10	1.24E-08	1.85E-09	6.84E-09	6.02E-10	9.29E-09	2.09E-10	1.20E-09	1.43E-10	1.55E-09	1.90E-10	6.28E-10	4.33E-11	8.62E-10
3283	469592.03	3819172.66	2.24E-09	9.43E-09	8.49E-10	1.25E-08	1.87E-09	6.93E-09	6.09E-10	9.41E-09	2.12E-10	1.21E-09	1.45E-10	1.57E-09	1.93E-10	6.35E-10	4.38E-11	8.72E-10
3284	469595.86	3819163.88	2.28E-09	9.55E-09	8.60E-10	1.27E-08	1.90E-09	7.02E-09	6.18E-10	9.53E-09	2.15E-10	1.23E-09	1.47E-10	1.59E-09	1.95E-10	6.44E-10	4.44E-11	8.84E-10
3285	469599.69	3819155.1	2.31E-09	9.70E-09	8.73E-10	1.29E-08	1.92E-09	7.13E-09	6.27E-10	9.68E-09	2.18E-10	1.25E-09	1.49E-10	1.62E-09	1.98E-10	6.54E-10	4.51E-11	8.97E-10
3286	469603.51	3819146.32	2.35E-09	9.85E-09	8.87E-10	1.31E-08	1.95E-09	7.24E-09	6.37E-10	9.83E-09	2.22E-10	1.27E-09	1.51E-10	1.64E-09	2.01E-10	6.64E-10	4.58E-11	9.11E-10
3287	469607.34	3819137.54	2.39E-09	1.00E-08	9.03E-10	1.33E-08	1.99E-09	7.37E-09	6.48E-10	1.00E-08	2.25E-10	1.29E-09	1.54E-10	1.67E-09	2.05E-10	6.76E-10	4.66E-11	9.27E-10
3288	469611.17	3819128.76	2.43E-09	1.02E-08	9.20E-10	1.36E-08	2.03E-09	7.50E-09	6.60E-10	1.02E-08	2.30E-10	1.31E-09	1.57E-10	1.70E-09	2.09E-10	6.88E-10	4.74E-11	9.44E-10
3289	469615	3819119.98	2.48E-09	1.04E-08	9.37E-10	1.38E-08	2.06E-09	7.65E-09	6.73E-10	1.04E-08	2.34E-10	1.34E-09	1.60E-10	1.73E-09	2.13E-10	7.01E-10	4.84E-11	9.63E-10
3290	469618.83	3819111.21	2.53E-09	1.06E-08	9.56E-10	1.41E-08	2.11E-09	7.80E-09	6.86E-10	1.06E-08	2.39E-10	1.37E-09	1.63E-10	1.77E-09	2.17E-10	7.16E-10	4.93E-11	9.82E-10
3291	469622.66	3819102.43	2.58E-09	1.08E-08	9.76E-10	1.44E-08	2.15E-09	7.96E-09	7.01E-10	1.08E-08	2.44E-10	1.40E-09	1.66E-10	1.81E-09	2.22E-10	7.31E-10	5.04E-11	1.00E-09
3292	469626.49	3819093.65	2.64E-09	1.11E-08	9.97E-10	1.47E-08	2.20E-09	8.13E-09	7.16E-10	1.10E-08	2.49E-10	1.43E-09	1.70E-10	1.84E-09	2.26E-10	7.46E-10	5.14E-11	1.02E-09
3293	469630.31	3819084.87	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.31E-09	7.31E-10	1.13E-08	2.54E-10	1.46E-09	1.74E-10	1.88E-09	2.31E-10	7.62E-10	5.26E-11	1.05E-09
3294	469634.14	3819076.09	2.75E-09	1.16E-08	1.04E-09	1.54E-08	2.29E-09	8.50E-09	7.47E-10	1.15E-08	2.60E-10	1.49E-09	1.78E-10	1.93E-09	2.36E-10	7.79E-10	5.37E-11	1.07E-09
3295	469637.97	3819067.31	2.81E-09	1.18E-08	1.06E-09	1.57E-08	2.34E-09	8.68E-09	7.64E-10	1.18E-08	2.66E-10	1.52E-09	1.82E-10	1.97E-09	2.42E-10	7.97E-10	5.49E-11	1.09E-09
3296	469641.8	3819058.53	2.88E-09	1.21E-08	1.09E-09	1.60E-08	2.40E-09	8.88E-09	7.81E-10	1.21E-08	2.72E-10	1.56E-09	1.86E-10	2.01E-09	2.47E-10	8.15E-10	5.61E-11	1.12E-09
3297	469645.63	3819049.75	2.94E-09	1.24E-08	1.11E-09	1.64E-08	2.45E-09	9.08E-09	7.98E-10	1.23E-08	2.78E-10	1.59E-09	1.90E-10	2.06E-09	2.53E-10	8.33E-10	5.74E-11	1.14E-09
3298	469649.46	3819040.97	3.00E-09	1.26E-08	1.14E-09	1.68E-08	2.50E-09	9.27E-09	8.15E-10	1.26E-08	2.84E-10	1.62E-09	1.94E-10	2.10E-09	2.58E-10	8.50E-10	5.86E-11	1.17E-09
3299	469653.29	3819032.2	3.06E-09	1.29E-08	1.16E-09	1.71E-08	2.55E-09	9.46E-09	8.32E-10	1.28E-08	2.89E-10	1.66E-09	1.98E-10	2.14E-09	2.63E-10	8.67E-10	5.98E-11	1.19E-09
3300	469657.11	3819023.42	3.12E-09	1.31E-08	1.18E-09	1.74E-08	2.60E-09	9.64E-09	8.48E-10	1.31E-08	2.95E-10	1.69E-09	2.02E-10	2.19E-09	2.68E-10	8.84E-10	6.10E-11	1.21E-09
3301	469660.94	3819014.64	3.19E-09	1.34E-08	1.21E-09	1.78E-08	2.65E-09	9.83E-09	8.65E-10	1.34E-08	3.01E-10	1.72E-09	2.06E-10	2.23E-09	2.74E-10	9.02E-10	6.22E-11	1.24E-09
3302	469664.77	3819005.86	3.25E-09	1.37E-08	1.23E-09	1.81E-08	2.71E-09	1.00E-08	8.83E-10	1.36E-08	3.07E-10	1.76E-09	2.10E-10	2.27E-09	2.79E-10	9.20E-10	6.34E-11	1.26E-09
3303	469668.6	3818997.08	3.32E-09	1.39E-08	1.25E-09	1.85E-08	2.76E-09	1.02E-08	9.00E-10	1.39E-08	3.13E-10	1.79E-09	2.14E-10	2.32E-09	2.85E-10	9.39E-10	6.47E-11	1.29E-09
3304	469672.43	3818988.3	3.38E-09	1.42E-08	1.28E-09	1.89E-08	2.82E-09	1.04E-08	9.18E-10	1.42E-08	3.19E-10	1.83E-09	2.18E-10	2.36E-09	2.90E-10	9.57E-10	6.60E-11	1.31E-09
3305	469676.26	3818979.52	3.45E-09	1.45E-08	1.31E-09	1.93E-08	2.88E-09	1.07E-08	9.37E-10	1.45E-08	3.26E-10	1.87E-09	2.23E-10	2.42E-09	2.96E-10	9.77E-10	6.74E-11	1.34E-09
3306	469706.89	3818909.29	3.86E-09	1.62E-08	1.46E-09	2.15E-08	3.22E-09	1.19E-08	1.05E-09	1.62E-08	3.65E-10	2.09E-09	2.49E-10	2.70E-09	3.32E-10	1.09E-09	7.54E-11	1.50E-09
3307	469710.71	3818900.51	3.90E-09	1.64E-08	1.48E-09	2.18E-08	3.25E-09	1.20E-08	1.06E-09	1.63E-08	3.68E-10	2.11E-09	2.52E-10	2.73E-09	3.35E-10	1.10E-09	7.61E-11	1.52E-09
3308	469714.54	3818891.73	3.94E-09	1.65E-08	1.49E-09	2.20E-08	3.28E-09	1.21E-08	1.07E-09	1.65E-08	3.72E-10	2.13E-09	2.54E-10	2.75E-09	3.38E-10	1.11E-09	7.68E-11	1.53E-09
3309	469718.37	3818882.96	3.97E-09	1.67E-08	1.50E-09	2.21E-08	3.31E-09	1.23E-08	1.08E-09	1.66E-08	3.75E-10	2.15E-09	2.56E-10	2.78E-09	3.41E-10	1.12E-09	7.75E-11	1.54E-09
3310	469722.2	3818874.18	4.00E-09	1.68E-08	1.51E-09	2.23E-08	3.33E-09	1.23E-08	1.09E-09	1.68E-08	3.78E-10	2.16E-09	2.58E-10	2.80E-09	3.43E-10	1.13E-09	7.81E-11	1.55E-09
3311	469726.03	3818865.4	4.03E-09	1.69E-08	1.52E-09	2.25E-08	3.36E-09	1.24E-08	1.09E-09	1.69E-08	3.80E-10	2.18E-09	2.60E-10	2.82E-09	3.46E-10	1.14E-09	7.86E-11	1.56E-09

3312	469729.86	3818856.62	4.05E-09	1.70E-08	1.53E-09	2.26E-08	3.37E-09	1.25E-08	1.10E-09	1.70E-08	3.82E-10	2.19E-09	2.61E-10	2.83E-09	3.48E-10	1.15E-09	7.90E-11	1.57E-09
3313	469742.59	3818844.31	4.18E-09	1.76E-08	1.58E-09	2.33E-08	3.48E-09	1.29E-08	1.14E-09	1.75E-08	3.95E-10	2.26E-09	2.70E-10	2.93E-09	3.59E-10	1.18E-09	8.16E-11	1.63E-09
3314	469751.49	3818840.79	4.30E-09	1.81E-08	1.63E-09	2.40E-08	3.58E-09	1.33E-08	1.17E-09	1.80E-08	4.06E-10	2.32E-09	2.77E-10	3.01E-09	3.69E-10	1.22E-09	8.39E-11	1.67E-09
3315	469760.4	3818837.26	4.41E-09	1.85E-08	1.67E-09	2.46E-08	3.68E-09	1.36E-08	1.20E-09	1.85E-08	4.17E-10	2.39E-09	2.85E-10	3.09E-09	3.79E-10	1.25E-09	8.61E-11	1.71E-09
3316	469769.3	3818833.73	4.53E-09	1.90E-08	1.71E-09	2.52E-08	3.77E-09	1.40E-08	1.23E-09	1.90E-08	4.27E-10	2.45E-09	2.92E-10	3.17E-09	3.89E-10	1.28E-09	8.83E-11	1.76E-09
3317	469778.21	3818830.21	4.64E-09	1.95E-08	1.75E-09	2.59E-08	3.86E-09	1.43E-08	1.26E-09	1.94E-08	4.38E-10	2.51E-09	2.99E-10	3.24E-09	3.98E-10	1.31E-09	9.05E-11	1.80E-09
3318	469787.11	3818826.68	4.75E-09	1.99E-08	1.79E-09	2.65E-08	3.95E-09	1.46E-08	1.29E-09	1.99E-08	4.48E-10	2.57E-09	3.06E-10	3.32E-09	4.07E-10	1.34E-09	9.26E-11	1.84E-09
3319	469796.02	3818823.15	4.86E-09	2.04E-08	1.84E-09	2.71E-08	4.04E-09	1.50E-08	1.32E-09	2.03E-08	4.59E-10	2.63E-09	3.13E-10	3.40E-09	4.17E-10	1.37E-09	9.48E-11	1.89E-09
3320	469804.92	3818819.63	4.97E-09	2.09E-08	1.88E-09	2.77E-08	4.14E-09	1.53E-08	1.35E-09	2.08E-08	4.69E-10	2.69E-09	3.20E-10	3.47E-09	4.26E-10	1.41E-09	9.69E-11	1.93E-09
3321	469813.82	3818816.1	5.08E-09	2.13E-08	1.92E-09	2.83E-08	4.23E-09	1.57E-08	1.38E-09	2.13E-08	4.79E-10	2.74E-09	3.27E-10	3.55E-09	4.36E-10	1.44E-09	9.90E-11	1.97E-09
3322	469822.73	3818812.57	5.18E-09	2.18E-08	1.96E-09	2.89E-08	4.31E-09	1.60E-08	1.41E-09	2.17E-08	4.89E-10	2.80E-09	3.34E-10	3.62E-09	4.45E-10	1.47E-09	1.01E-10	2.01E-09
3323	469849.44	3818801.99	5.48E-09	2.30E-08	2.07E-09	3.06E-08	4.56E-09	1.69E-08	1.49E-09	2.30E-08	5.17E-10	2.96E-09	3.53E-10	3.83E-09	4.70E-10	1.55E-09	1.07E-10	2.13E-09
3324	469858.35	3818798.47	5.58E-09	2.34E-08	2.11E-09	3.11E-08	4.65E-09	1.72E-08	1.51E-09	2.34E-08	5.27E-10	3.02E-09	3.60E-10	3.90E-09	4.79E-10	1.58E-09	1.09E-10	2.17E-09
3325	469867.25	3818794.94	5.67E-09	2.38E-08	2.14E-09	3.16E-08	4.72E-09	1.75E-08	1.54E-09	2.38E-08	5.36E-10	3.07E-09	3.66E-10	3.97E-09	4.87E-10	1.61E-09	1.11E-10	2.20E-09
3326	469876.15	3818791.41	5.76E-09	2.42E-08	2.18E-09	3.21E-08	4.80E-09	1.78E-08	1.56E-09	2.41E-08	5.44E-10	3.11E-09	3.72E-10	4.03E-09	4.94E-10	1.63E-09	1.12E-10	2.24E-09
3327	469885.06	3818787.89	5.85E-09	2.46E-08	2.21E-09	3.26E-08	4.87E-09	1.80E-08	1.59E-09	2.45E-08	5.52E-10	3.16E-09	3.77E-10	4.09E-09	5.02E-10	1.66E-09	1.14E-10	2.27E-09
3328	469893.96	3818784.36	5.93E-09	2.49E-08	2.24E-09	3.31E-08	4.94E-09	1.83E-08	1.61E-09	2.49E-08	5.60E-10	3.21E-09	3.83E-10	4.15E-09	5.09E-10	1.68E-09	1.16E-10	2.30E-09
3329	469902.87	3818780.83	6.04E-09	2.54E-08	2.28E-09	3.37E-08	5.03E-09	1.86E-08	1.64E-09	2.53E-08	5.70E-10	3.26E-09	3.90E-10	4.22E-09	5.18E-10	1.71E-09	1.18E-10	2.35E-09
3330	469911.77	3818777.31	6.13E-09	2.57E-08	2.32E-09	3.42E-08	5.10E-09	1.89E-08	1.66E-09	2.57E-08	5.79E-10	3.31E-09	3.95E-10	4.29E-09	5.26E-10	1.73E-09	1.20E-10	2.38E-09
3331	469920.68	3818773.78	6.21E-09	2.61E-08	2.35E-09	3.46E-08	5.17E-09	1.92E-08	1.69E-09	2.60E-08	5.87E-10	3.36E-09	4.01E-10	4.34E-09	5.33E-10	1.76E-09	1.21E-10	2.41E-09
3332	469929.58	3818770.25	6.29E-09	2.64E-08	2.38E-09	3.51E-08	5.24E-09	1.94E-08	1.71E-09	2.64E-08	5.94E-10	3.40E-09	4.06E-10	4.40E-09	5.40E-10	1.78E-09	1.23E-10	2.44E-09
3333	469938.49	3818766.73	6.36E-09	2.67E-08	2.41E-09	3.55E-08	5.30E-09	1.96E-08	1.73E-09	2.67E-08	6.01E-10	3.44E-09	4.10E-10	4.45E-09	5.46E-10	1.80E-09	1.24E-10	2.47E-09
3334	469947.39	3818763.2	6.43E-09	2.70E-08	2.43E-09	3.59E-08	5.36E-09	1.98E-08	1.75E-09	2.70E-08	6.07E-10	3.48E-09	4.15E-10	4.50E-09	5.52E-10	1.82E-09	1.26E-10	2.50E-09
3335	470054.24	3818720.88	7.00E-09	2.94E-08	2.65E-09	3.90E-08	5.83E-09	2.16E-08	1.90E-09	2.93E-08	6.61E-10	3.78E-09	4.51E-10	4.90E-09	6.01E-10	1.98E-09	1.37E-10	2.72E-09
3336	470063.15	3818717.35	7.01E-09	2.94E-08	2.65E-09	3.91E-08	5.84E-09	2.16E-08	1.90E-09	2.94E-08	6.62E-10	3.79E-09	4.52E-10	4.91E-09	6.02E-10	1.98E-09	1.37E-10	2.72E-09
3337	470072.05	3818713.83	7.02E-09	2.95E-08	2.65E-09	3.91E-08	5.84E-09	2.17E-08	1.90E-09	2.94E-08	6.63E-10	3.79E-09	4.53E-10	4.91E-09	6.02E-10	1.99E-09	1.37E-10	2.73E-09
3338	470080.96	3818710.3	7.01E-09	2.94E-08	2.65E-09	3.91E-08	5.84E-09	2.16E-08	1.90E-09	2.94E-08	6.62E-10	3.79E-09	4.52E-10	4.90E-09	6.02E-10	1.98E-09	1.37E-10	2.72E-09
3339	470089.86	3818706.77	7.00E-09	2.94E-08	2.65E-09	3.90E-08	5.83E-09	2.16E-08	1.90E-09	2.93E-08	6.61E-10	3.78E-09	4.51E-10	4.90E-09	6.01E-10	1.98E-09	1.37E-10	2.72E-09
3340	470098.76	3818703.25	6.98E-09	2.93E-08	2.64E-09	3.89E-08	5.81E-09	2.15E-08	1.89E-09	2.92E-08	6.59E-10	3.77E-09	4.50E-10	4.88E-09	5.99E-10	1.97E-09	1.36E-10	2.71E-09
3341	470107.67	3818699.72	6.95E-09	2.92E-08	2.63E-09	3.87E-08	5.79E-09	2.14E-08	1.89E-09	2.91E-08	6.56E-10	3.76E-09	4.48E-10	4.86E-09	5.96E-10	1.97E-09	1.36E-10	2.70E-09
3342	469567.71	3819292.87	2.38E-09	9.98E-09	8.99E-10	1.33E-08	1.98E-09	7.33E-09	6.45E-10	9.96E-09	2.24E-10	1.28E-09	1.53E-10	1.66E-09	2.04E-10	6.73E-10	4.64E-11	9.23E-10
3343	469567.51	3819302.52	2.42E-09	1.02E-08	9.17E-10	1.35E-08	2.02E-09	7.48E-09	6.58E-10	1.02E-08	2.29E-10	1.31E-09	1.56E-10	1.70E-09	2.08E-10	6.86E-10	4.73E-11	9.42E-10
3344	469567.32	3819312.16	2.47E-09	1.04E-08	9.36E-10	1.38E-08	2.06E-09	7.64E-09	6.72E-10	1.04E-08	2.34E-10	1.34E-09	1.60E-10	1.73E-09	2.12E-10	7.01E-10	4.83E-11	9.61E-10
3345	469567.13	3819321.81	2.53E-09	1.06E-08	9.57E-10	1.41E-08	2.11E-09	7.81E-09	6.87E-10	1.06E-08	2.39E-10	1.37E-09	1.63E-10	1.77E-09	2.17E-10	7.16E-10	4.94E-11	9.83E-10
3346	469566.93	3819331.46	2.59E-09	1.09E-08	9.79E-10	1.44E-08	2.16E-09	7.99E-09	7.03E-10	1.08E-08	2.44E-10	1.40E-09	1.67E-10	1.81E-09	2.22E-10	7.33E-10	5.05E-11	1.01E-09
3347	469566.74	3819341.11	2.65E-09	1.11E-08	1.00E-09	1.48E-08	2.21E-09	8.18E-09	7.20E-10	1.11E-08	2.50E-10	1.43E-09	1.71E-10	1.85E-09	2.28E-10	7.50E-10	5.17E-11	1.03E-09
3348	469566.55	3819350.76	2.72E-09	1.14E-08	1.03E-09	1.52E-08	2.26E-09	8.39E-09	7.38E-10	1.14E-08	2.57E-10	1.47E-09	1.75E-10	1.90E-09	2.33E-10	7.69E-10	5.30E-11	1.06E-09
3349	469566.35	3819360.4	2.79E-09	1.17E-08	1.05E-09	1.56E-08	2.32E-09	8.60E-09	7.57E-10	1.17E-08	2.63E-10	1.51E-09	1.80E-10	1.95E-09	2.39E-10	7.89E-10	5.44E-11	1.08E-09
3350	469566.16	3819370.05	2.86E-09	1.20E-08	1.08E-09	1.60E-08	2.39E-09	8.84E-09	7.77E-10	1.20E-08	2.70E-10	1.55E-09	1.85E-10	2.00E-09	2.46E-10	8.11E-10	5.59E-11	1.11E-09
3351	469565.97	3819379.7	2.94E-09	1.24E-08	1.11E-09	1.64E-08	2.45E-09	9.08E-09	7.99E-10	1.23E-08	2.78E-10	1.59E-09	1.90E-10	2.06E-09	2.53E-10	8.33E-10	5.74E-11	1.14E-09
3352	469565.77	3819389.35	3.03E-09	1.27E-08	1.14E-09	1.69E-08	2.52E-09	9.34E-09	8.22E-10	1.27E-08	2.86E-10	1.64E-09	1.95E-10	2.12E-09	2.60E-10	8.57E-10	5.91E-11	1.18E-09
3353	469565.58	3819399	3.12E-09	1.31E-08	1.18E-09	1.74E-08	2.60E-09	9.61E-09	8.46E-10	1.31E-08	2.94E-10	1.68E-09	2.01E-10	2.18E-09	2.67E-10	8.82E-10	6.08E-11	1.21E-09
3354	469565.39	3819408.65	3.21E-09	1.35E-08	1.21E-09	1.79E-08	2.67E-09	9.91E-09	8.71E-10	1.35E-08	3.03E-10	1.74E-09	2.07E-10	2.25E-09	2.76E-10	9.09E-10	6.26E-11	1.25E-09
3355	469565.19	3819418.29	3.31E-09	1.39E-08	1.25E-09	1.85E-08	2.76E-09	1.02E-08	9.00E-10	1.39E-08	3.13E-10	1.79E-09	2.14E-10	2.32E-09	2.84E-10	9.38E-10	6.47E-11	1.29E-09
3356	469565	3819427.94	3.42E-09	1.44E-08	1.29E-09	1.91E-08	2.85E-09	1.06E-08	9.29E-10	1.43E-08	3.23E-10	1.85E-09	2.21E-10	2.39E-09	2.94E-10	9.69E-10	6.68E-11	1.33E-09
3357	469564.81	3819437.59	3.54E-09	1.49E-08	1.34E-09	1.97E-08	2.95E-09	1.09E-08	9.60E-10	1.48E-08	3.34E-10	1.91E-09	2.28E-10	2.47E-09	3.04E-10	1.00E-09	6.90E-11	1.37E-09
3358	469536.75	3819206.9	1.88E-09	7.89E-09	7.11E-10	1.05E-08	1.57E-09	5.80E-09	5.10E-10	7.87E-09	1.77E-10	1.02E-09	1.21E-10	1.31E-09	1.61E-10	5.32E-10	3.67E-11	7.30E-10
3359	469540.6	3819198.09	1.89E-09	7.94E-09	7.15E-10	1.05E-08	1.58E-09	5.83E-09	5.13E-10	7.92E-09	1.79E-10	1.02E-09	1.22E-10	1.32E-09	1.62E-10	5.35E-10	3.69E-11	7.34E-10
3360	469544.44	3819189.27	1.91E-09	8.00E-09	7.21E-10	1.06E-08	1.59E-09	5.88E-09	5.17E-10	7.98E-09	1.80E-10	1.03E-09	1.23E-10	1.33E-09	1.64E-10	5.39E-10	3.72E-11	7.40E-10
3361	469548.29	3819180.46	1.92E-09	8.07E-09	7.27E-10	1.07E-08	1.60E-09	5.93E-09	5.22E-10	8.06E-09	1.82E-10	1.04E-09	1.24E-10	1.34E-09	1.65E-10	5.44E-10	3.75E-11	7.47E-10
3362	469552.13	3819171.64	1.94E-09	8.15E-09	7.34E-10	1.08E-08	1.62E-09	5.99E-09	5.27E-10	8.14E-09	1.83E-10	1.05E-09	1.25E-10	1.36E-09	1.67E-10	5.50E-10	3.79E-11	7.54E-10

3363	469555.97	3819162.83	1.96E-09	8.25E-09	7.43E-10	1.10E-08	1.64E-09	6.06E-09	5.33E-10	8.23E-09	1.85E-10	1.06E-09	1.27E-10	1.37E-09	1.69E-10	5.56E-10	3.83E-11	7.63E-10
3364	469559.82	3819154.02	1.99E-09	8.35E-09	7.52E-10	1.11E-08	1.66E-09	6.14E-09	5.40E-10	8.33E-09	1.88E-10	1.07E-09	1.28E-10	1.39E-09	1.71E-10	5.63E-10	3.88E-11	7.72E-10
3365	469563.66	3819145.2	2.02E-09	8.47E-09	7.63E-10	1.12E-08	1.68E-09	6.22E-09	5.47E-10	8.45E-09	1.90E-10	1.09E-09	1.30E-10	1.41E-09	1.73E-10	5.71E-10	3.93E-11	7.83E-10
3366	469567.51	3819136.39	2.05E-09	8.60E-09	7.75E-10	1.14E-08	1.71E-09	6.32E-09	5.56E-10	8.58E-09	1.93E-10	1.11E-09	1.32E-10	1.43E-09	1.76E-10	5.80E-10	4.00E-11	7.95E-10
3367	469571.35	3819127.57	2.08E-09	8.74E-09	7.88E-10	1.16E-08	1.73E-09	6.43E-09	5.65E-10	8.73E-09	1.97E-10	1.13E-09	1.34E-10	1.46E-09	1.79E-10	5.89E-10	4.06E-11	8.09E-10
3368	469575.19	3819118.76	2.12E-09	8.90E-09	8.01E-10	1.18E-08	1.76E-09	6.54E-09	5.75E-10	8.88E-09	2.00E-10	1.15E-09	1.37E-10	1.48E-09	1.82E-10	6.00E-10	4.13E-11	8.23E-10
3369	469579.04	3819109.95	2.16E-09	9.06E-09	8.16E-10	1.20E-08	1.80E-09	6.66E-09	5.86E-10	9.04E-09	2.04E-10	1.17E-09	1.39E-10	1.51E-09	1.85E-10	6.11E-10	4.21E-11	8.38E-10
3370	469582.88	3819101.13	2.20E-09	9.23E-09	8.31E-10	1.23E-08	1.83E-09	6.78E-09	5.97E-10	9.21E-09	2.08E-10	1.19E-09	1.42E-10	1.54E-09	1.89E-10	6.22E-10	4.29E-11	8.54E-10
3371	469586.73	3819092.32	2.24E-09	9.41E-09	8.47E-10	1.25E-08	1.87E-09	6.91E-09	6.08E-10	9.39E-09	2.12E-10	1.21E-09	1.44E-10	1.57E-09	1.92E-10	6.34E-10	4.37E-11	8.70E-10
3372	469590.57	3819083.5	2.29E-09	9.60E-09	8.65E-10	1.28E-08	1.90E-09	7.05E-09	6.21E-10	9.58E-09	2.16E-10	1.24E-09	1.47E-10	1.60E-09	1.96E-10	6.47E-10	4.46E-11	8.88E-10
3373	469594.41	3819074.69	2.33E-09	9.80E-09	8.83E-10	1.30E-08	1.94E-09	7.20E-09	6.34E-10	9.78E-09	2.20E-10	1.26E-09	1.51E-10	1.63E-09	2.00E-10	6.61E-10	4.55E-11	9.07E-10
3374	469598.26	3819065.87	2.38E-09	1.00E-08	9.01E-10	1.33E-08	1.98E-09	7.35E-09	6.46E-10	9.98E-09	2.25E-10	1.29E-09	1.54E-10	1.67E-09	2.04E-10	6.74E-10	4.65E-11	9.25E-10
3375	469602.1	3819057.06	2.43E-09	1.02E-08	9.19E-10	1.36E-08	2.02E-09	7.50E-09	6.60E-10	1.02E-08	2.29E-10	1.31E-09	1.57E-10	1.70E-09	2.09E-10	6.88E-10	4.74E-11	9.44E-10
3376	469605.95	3819048.25	2.48E-09	1.04E-08	9.38E-10	1.38E-08	2.07E-09	7.65E-09	6.73E-10	1.04E-08	2.34E-10	1.34E-09	1.60E-10	1.73E-09	2.13E-10	7.02E-10	4.84E-11	9.63E-10
3377	469609.79	3819039.43	2.53E-09	1.06E-08	9.58E-10	1.41E-08	2.11E-09	7.82E-09	6.88E-10	1.06E-08	2.39E-10	1.37E-09	1.63E-10	1.77E-09	2.17E-10	7.17E-10	4.94E-11	9.84E-10
3378	469613.63	3819030.62	2.59E-09	1.09E-08	9.78E-10	1.44E-08	2.16E-09	7.98E-09	7.02E-10	1.08E-08	2.44E-10	1.40E-09	1.67E-10	1.81E-09	2.22E-10	7.32E-10	5.05E-11	1.00E-09
3379	469617.48	3819021.8	2.64E-09	1.11E-08	9.99E-10	1.47E-08	2.20E-09	8.15E-09	7.17E-10	1.11E-08	2.49E-10	1.43E-09	1.70E-10	1.85E-09	2.27E-10	7.48E-10	5.15E-11	1.03E-09
3380	469621.32	3819012.99	2.70E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.32E-09	7.32E-10	1.13E-08	2.54E-10	1.46E-09	1.74E-10	1.89E-09	2.31E-10	7.63E-10	5.26E-11	1.05E-09
3381	469625.16	3819004.18	2.75E-09	1.16E-08	1.04E-09	1.53E-08	2.29E-09	8.49E-09	7.47E-10	1.15E-08	2.60E-10	1.49E-09	1.77E-10	1.92E-09	2.36E-10	7.79E-10	5.37E-11	1.07E-09
3382	469629.01	3818995.36	2.81E-09	1.18E-08	1.06E-09	1.57E-08	2.34E-09	8.66E-09	7.62E-10	1.18E-08	2.65E-10	1.52E-09	1.81E-10	1.96E-09	2.41E-10	7.94E-10	5.48E-11	1.09E-09
3383	469632.85	3818986.55	2.86E-09	1.20E-08	1.08E-09	1.60E-08	2.38E-09	8.83E-09	7.77E-10	1.20E-08	2.70E-10	1.55E-09	1.85E-10	2.00E-09	2.46E-10	8.10E-10	5.58E-11	1.11E-09
3384	469636.7	3818977.73	2.93E-09	1.23E-08	1.11E-09	1.63E-08	2.44E-09	9.03E-09	7.94E-10	1.23E-08	2.76E-10	1.58E-09	1.89E-10	2.05E-09	2.51E-10	8.28E-10	5.71E-11	1.14E-09
3385	469640.54	3818968.92	2.98E-09	1.25E-08	1.13E-09	1.66E-08	2.48E-09	9.18E-09	8.08E-10	1.25E-08	2.81E-10	1.61E-09	1.92E-10	2.08E-09	2.56E-10	8.42E-10	5.81E-11	1.16E-09
3386	469644.38	3818960.1	3.03E-09	1.27E-08	1.14E-09	1.69E-08	2.52E-09	9.34E-09	8.21E-10	1.27E-08	2.86E-10	1.64E-09	1.95E-10	2.12E-09	2.60E-10	8.56E-10	5.90E-11	1.18E-09
3387	469648.23	3818951.29	3.08E-09	1.29E-08	1.16E-09	1.72E-08	2.56E-09	9.49E-09	8.35E-10	1.29E-08	2.90E-10	1.66E-09	1.98E-10	2.15E-09	2.64E-10	8.71E-10	6.00E-11	1.19E-09
3388	469652.07	3818942.48	3.13E-09	1.31E-08	1.18E-09	1.74E-08	2.60E-09	9.64E-09	8.48E-10	1.31E-08	2.95E-10	1.69E-09	2.02E-10	2.19E-09	2.68E-10	8.85E-10	6.10E-11	1.21E-09
3389	469655.92	3818933.66	3.17E-09	1.33E-08	1.20E-09	1.77E-08	2.64E-09	9.79E-09	8.61E-10	1.33E-08	3.00E-10	1.72E-09	2.05E-10	2.22E-09	2.72E-10	8.98E-10	6.19E-11	1.23E-09
3390	469659.76	3818924.85	3.22E-09	1.35E-08	1.22E-09	1.80E-08	2.68E-09	9.93E-09	8.74E-10	1.35E-08	3.04E-10	1.74E-09	2.08E-10	2.25E-09	2.76E-10	9.11E-10	6.28E-11	1.25E-09
3391	469714.83	3818815.54	3.68E-09	1.54E-08	1.39E-09	2.05E-08	3.06E-09	1.13E-08	9.98E-10	1.54E-08	3.47E-10	1.99E-09	2.37E-10	2.57E-09	3.16E-10	1.04E-09	7.17E-11	1.43E-09
3392	469723.77	3818812	3.77E-09	1.58E-08	1.43E-09	2.10E-08	3.14E-09	1.16E-08	1.02E-09	1.58E-08	3.56E-10	2.04E-09	2.43E-10	2.64E-09	3.24E-10	1.07E-09	7.36E-11	1.47E-09
3393	469732.71	3818808.46	3.87E-09	1.62E-08	1.46E-09	2.16E-08	3.22E-09	1.19E-08	1.05E-09	1.62E-08	3.65E-10	2.09E-09	2.50E-10	2.71E-09	3.32E-10	1.10E-09	7.55E-11	1.50E-09
3394	469741.65	3818804.91	3.96E-09	1.66E-08	1.50E-09	2.21E-08	3.30E-09	1.22E-08	1.08E-09	1.66E-08	3.74E-10	2.14E-09	2.56E-10	2.77E-09	3.40E-10	1.12E-09	7.73E-11	1.54E-09
3395	469750.59	3818801.37	4.05E-09	1.70E-08	1.53E-09	2.26E-08	3.38E-09	1.25E-08	1.10E-09	1.70E-08	3.83E-10	2.19E-09	2.62E-10	2.84E-09	3.48E-10	1.15E-09	7.91E-11	1.57E-09
3396	469759.53	3818797.83	4.15E-09	1.74E-08	1.57E-09	2.31E-08	3.45E-09	1.28E-08	1.13E-09	1.74E-08	3.92E-10	2.24E-09	2.68E-10	2.90E-09	3.56E-10	1.17E-09	8.09E-11	1.61E-09
3397	469768.47	3818794.29	4.24E-09	1.78E-08	1.60E-09	2.36E-08	3.53E-09	1.31E-08	1.15E-09	1.78E-08	4.00E-10	2.29E-09	2.73E-10	2.97E-09	3.64E-10	1.20E-09	8.27E-11	1.65E-09
3398	469777.41	3818790.75	4.33E-09	1.82E-08	1.64E-09	2.42E-08	3.61E-09	1.34E-08	1.18E-09	1.82E-08	4.09E-10	2.34E-09	2.79E-10	3.03E-09	3.72E-10	1.23E-09	8.45E-11	1.68E-09
3399	469786.35	3818787.21	4.42E-09	1.86E-08	1.67E-09	2.47E-08	3.68E-09	1.36E-08	1.20E-09	1.85E-08	4.18E-10	2.39E-09	2.85E-10	3.09E-09	3.80E-10	1.25E-09	8.63E-11	1.72E-09
3400	469795.29	3818783.67	4.51E-09	1.89E-08	1.71E-09	2.52E-08	3.76E-09	1.39E-08	1.22E-09	1.89E-08	4.26E-10	2.44E-09	2.91E-10	3.15E-09	3.87E-10	1.28E-09	8.80E-11	1.75E-09
3401	469804.23	3818780.13	4.59E-09	1.93E-08	1.74E-09	2.56E-08	3.83E-09	1.42E-08	1.25E-09	1.93E-08	4.34E-10	2.48E-09	2.96E-10	3.21E-09	3.94E-10	1.30E-09	8.96E-11	1.78E-09
3402	469813.17	3818776.59	4.68E-09	1.96E-08	1.77E-09	2.61E-08	3.90E-09	1.44E-08	1.27E-09	1.96E-08	4.42E-10	2.53E-09	3.02E-10	3.27E-09	4.01E-10	1.32E-09	9.13E-11	1.82E-09
3403	469822.11	3818773.05	4.76E-09	2.00E-08	1.80E-09	2.66E-08	3.97E-09	1.47E-08	1.29E-09	2.00E-08	4.50E-10	2.57E-09	3.07E-10	3.33E-09	4.09E-10	1.35E-09	9.29E-11	1.85E-09
3404	469848.93	3818762.42	5.01E-09	2.10E-08	1.89E-09	2.79E-08	4.17E-09	1.54E-08	1.36E-09	2.10E-08	4.73E-10	2.71E-09	3.23E-10	3.50E-09	4.30E-10	1.42E-09	9.77E-11	1.94E-09
3405	470054.56	3818680.98	6.17E-09	2.59E-08	2.33E-09	3.44E-08	5.14E-09	1.90E-08	1.68E-09	2.59E-08	5.83E-10	3.34E-09	3.98E-10	4.32E-09	5.30E-10	1.75E-09	1.20E-10	2.40E-09
3406	470063.5	3818677.44	6.18E-09	2.60E-08	2.34E-09	3.45E-08	5.15E-09	1.91E-08	1.68E-09	2.59E-08	5.84E-10	3.34E-09	3.99E-10	4.32E-09	5.31E-10	1.75E-09	1.21E-10	2.40E-09
3407	470072.44	3818673.9	6.18E-09	2.60E-08	2.34E-09	3.45E-08	5.15E-09	1.91E-08	1.68E-09	2.59E-08	5.84E-10	3.34E-09	3.99E-10	4.33E-09	5.31E-10	1.75E-09	1.21E-10	2.40E-09
3408	470081.38	3818670.36	6.18E-09	2.60E-08	2.34E-09	3.45E-08	5.15E-09	1.91E-08	1.68E-09	2.59E-08	5.84E-10	3.34E-09	3.99E-10	4.32E-09	5.31E-10	1.75E-09	1.21E-10	2.40E-09
3409	470090.32	3818666.82	6.17E-09	2.59E-08	2.33E-09	3.44E-08	5.14E-09	1.90E-08	1.67E-09	2.58E-08	5.83E-10	3.33E-09	3.98E-10	4.32E-09	5.30E-10	1.75E-09	1.20E-10	2.40E-09
3410	470099.26	3818663.28	6.15E-09	2.58E-08	2.33E-09	3.43E-08	5.12E-09	1.90E-08	1.67E-09	2.58E-08	5.81E-10	3.32E-09	3.97E-10	4.30E-09	5.28E-10	1.74E-09	1.20E-10	2.39E-09
3411	470108.2	3818659.74	6.12E-09	2.57E-08	2.32E-09	3.42E-08	5.10E-09	1.89E-08	1.66E-09	2.57E-08	5.78E-10	3.31E-09	3.95E-10	4.28E-09	5.26E-10	1.73E-09	1.20E-10	2.38E-09
3412	469527.71	3819292.07	2.07E-09	8.69E-09	7.83E-10	1.15E-08	1.72E-09	6.39E-09	5.62E-10	8.67E-09	1.95E-10	1.12E-09	1.33E-10	1.45E-09	1.78E-10	5.86E-10	4.04E-11	8.04E-10
3413	469527.52	3819301.71	2.11E-09	8.86E-09	7.98E-10	1.18E-08	1.76E-09	6.51E-09	5.73E-10	8.84E-09	1.99E-10	1.14E-09	1.36E-10	1.48E-09	1.81E-10	5.97E-10	4.12E-11	8.19E-10

3414	469527.33	3819311.36	2.15E-09	9.05E-09	8.15E-10	1.20E-08	1.79E-09	6.65E-09	5.85E-10	9.03E-09	2.03E-10	1.16E-09	1.39E-10	1.51E-09	1.85E-10	6.10E-10	4.20E-11	8.37E-10
3415	469527.13	3819321.01	2.20E-09	9.24E-09	8.32E-10	1.23E-08	1.83E-09	6.79E-09	5.97E-10	9.22E-09	2.08E-10	1.19E-09	1.42E-10	1.54E-09	1.89E-10	6.23E-10	4.29E-11	8.55E-10
3416	469526.94	3819330.66	2.25E-09	9.44E-09	8.50E-10	1.25E-08	1.87E-09	6.94E-09	6.10E-10	9.42E-09	2.12E-10	1.22E-09	1.45E-10	1.57E-09	1.93E-10	6.36E-10	4.39E-11	8.73E-10
3417	469526.75	3819340.31	2.30E-09	9.66E-09	8.70E-10	1.28E-08	1.92E-09	7.09E-09	6.24E-10	9.63E-09	2.17E-10	1.24E-09	1.48E-10	1.61E-09	1.97E-10	6.51E-10	4.49E-11	8.93E-10
3418	469526.55	3819349.96	2.35E-09	9.88E-09	8.90E-10	1.31E-08	1.96E-09	7.26E-09	6.39E-10	9.86E-09	2.22E-10	1.27E-09	1.52E-10	1.65E-09	2.02E-10	6.66E-10	4.59E-11	9.14E-10
3419	469526.36	3819359.6	2.41E-09	1.01E-08	9.12E-10	1.34E-08	2.01E-09	7.44E-09	6.54E-10	1.01E-08	2.28E-10	1.30E-09	1.56E-10	1.69E-09	2.07E-10	6.82E-10	4.70E-11	9.36E-10
3420	469526.17	3819369.25	2.47E-09	1.04E-08	9.35E-10	1.38E-08	2.06E-09	7.63E-09	6.71E-10	1.04E-08	2.33E-10	1.34E-09	1.59E-10	1.73E-09	2.12E-10	7.00E-10	4.82E-11	9.60E-10
3421	469525.98	3819378.9	2.54E-09	1.06E-08	9.59E-10	1.41E-08	2.11E-09	7.82E-09	6.88E-10	1.06E-08	2.39E-10	1.37E-09	1.64E-10	1.77E-09	2.18E-10	7.18E-10	4.95E-11	9.85E-10
3422	469525.78	3819388.55	2.60E-09	1.09E-08	9.84E-10	1.45E-08	2.17E-09	8.03E-09	7.06E-10	1.09E-08	2.46E-10	1.41E-09	1.68E-10	1.82E-09	2.23E-10	7.37E-10	5.08E-11	1.01E-09
3423	469525.59	3819398.2	2.67E-09	1.12E-08	1.01E-09	1.49E-08	2.23E-09	8.25E-09	7.26E-10	1.12E-08	2.52E-10	1.45E-09	1.72E-10	1.87E-09	2.29E-10	7.57E-10	5.22E-11	1.04E-09
3424	469525.4	3819407.84	2.75E-09	1.15E-08	1.04E-09	1.53E-08	2.29E-09	8.48E-09	7.46E-10	1.15E-08	2.59E-10	1.49E-09	1.77E-10	1.92E-09	2.36E-10	7.78E-10	5.36E-11	1.07E-09
3425	469525.2	3819417.49	2.83E-09	1.19E-08	1.07E-09	1.58E-08	2.36E-09	8.74E-09	7.68E-10	1.19E-08	2.67E-10	1.53E-09	1.83E-10	1.98E-09	2.43E-10	8.01E-10	5.52E-11	1.10E-09
3426	469525.01	3819427.14	2.92E-09	1.23E-08	1.10E-09	1.63E-08	2.43E-09	9.00E-09	7.92E-10	1.22E-08	2.76E-10	1.58E-09	1.88E-10	2.04E-09	2.51E-10	8.26E-10	5.69E-11	1.13E-09
3427	469524.82	3819436.79	3.01E-09	1.26E-08	1.14E-09	1.68E-08	2.51E-09	9.29E-09	8.17E-10	1.26E-08	2.84E-10	1.63E-09	1.94E-10	2.11E-09	2.58E-10	8.52E-10	5.87E-11	1.17E-09
3428	469500.65	3819197.19	1.66E-09	6.97E-09	6.28E-10	9.26E-09	1.38E-09	5.12E-09	4.51E-10	6.96E-09	1.57E-10	8.98E-10	1.07E-10	1.16E-09	1.43E-10	4.70E-10	3.24E-11	6.45E-10
3429	469504.5	3819188.35	1.67E-09	7.01E-09	6.32E-10	9.31E-09	1.39E-09	5.15E-09	4.53E-10	7.00E-09	1.58E-10	9.03E-10	1.08E-10	1.17E-09	1.43E-10	4.73E-10	3.26E-11	6.49E-10
3430	469508.36	3819179.5	1.68E-09	7.06E-09	6.36E-10	9.38E-09	1.40E-09	5.19E-09	4.57E-10	7.05E-09	1.59E-10	9.09E-10	1.09E-10	1.18E-09	1.44E-10	4.76E-10	3.28E-11	6.53E-10
3431	469512.22	3819170.66	1.70E-09	7.13E-09	6.42E-10	9.46E-09	1.41E-09	5.24E-09	4.61E-10	7.11E-09	1.60E-10	9.17E-10	1.09E-10	1.19E-09	1.46E-10	4.80E-10	3.31E-11	6.59E-10
3432	469516.08	3819161.81	1.71E-09	7.19E-09	6.47E-10	9.55E-09	1.43E-09	5.28E-09	4.65E-10	7.17E-09	1.62E-10	9.25E-10	1.10E-10	1.20E-09	1.47E-10	4.85E-10	3.34E-11	6.65E-10
3433	469519.93	3819152.97	1.73E-09	7.26E-09	6.53E-10	9.64E-09	1.44E-09	5.33E-09	4.69E-10	7.24E-09	1.63E-10	9.34E-10	1.11E-10	1.21E-09	1.48E-10	4.89E-10	3.37E-11	6.71E-10
3434	469523.79	3819144.12	1.75E-09	7.33E-09	6.60E-10	9.74E-09	1.45E-09	5.39E-09	4.74E-10	7.32E-09	1.65E-10	9.44E-10	1.13E-10	1.22E-09	1.50E-10	4.94E-10	3.41E-11	6.78E-10
3435	469527.65	3819135.28	1.77E-09	7.42E-09	6.68E-10	9.85E-09	1.47E-09	5.45E-09	4.80E-10	7.40E-09	1.67E-10	9.55E-10	1.14E-10	1.24E-09	1.52E-10	5.00E-10	3.45E-11	6.86E-10
3436	469531.51	3819126.43	1.79E-09	7.53E-09	6.78E-10	1.00E-08	1.49E-09	5.53E-09	4.87E-10	7.51E-09	1.69E-10	9.69E-10	1.16E-10	1.25E-09	1.54E-10	5.07E-10	3.50E-11	6.96E-10
3437	469535.36	3819117.59	1.82E-09	7.64E-09	6.88E-10	1.02E-08	1.52E-09	5.62E-09	4.94E-10	7.63E-09	1.72E-10	9.84E-10	1.17E-10	1.27E-09	1.56E-10	5.15E-10	3.55E-11	7.07E-10
3438	469539.22	3819108.74	1.85E-09	7.77E-09	7.00E-10	1.03E-08	1.54E-09	5.71E-09	5.03E-10	7.76E-09	1.75E-10	1.00E-09	1.19E-10	1.29E-09	1.59E-10	5.24E-10	3.61E-11	7.19E-10
3439	469543.08	3819099.9	1.88E-09	7.91E-09	7.13E-10	1.05E-08	1.57E-09	5.81E-09	5.11E-10	7.89E-09	1.78E-10	1.02E-09	1.22E-10	1.32E-09	1.62E-10	5.33E-10	3.68E-11	7.32E-10
3440	469546.94	3819091.05	1.92E-09	8.06E-09	7.26E-10	1.07E-08	1.60E-09	5.92E-09	5.21E-10	8.04E-09	1.81E-10	1.04E-09	1.24E-10	1.34E-09	1.65E-10	5.43E-10	3.74E-11	7.45E-10
3441	469550.79	3819082.21	1.96E-09	8.21E-09	7.40E-10	1.09E-08	1.63E-09	6.03E-09	5.31E-10	8.19E-09	1.85E-10	1.06E-09	1.26E-10	1.37E-09	1.68E-10	5.53E-10	3.82E-11	7.60E-10
3442	469554.65	3819073.36	1.99E-09	8.37E-09	7.54E-10	1.11E-08	1.66E-09	6.15E-09	5.41E-10	8.35E-09	1.88E-10	1.08E-09	1.29E-10	1.39E-09	1.71E-10	5.64E-10	3.89E-11	7.74E-10
3443	469558.51	3819064.52	2.03E-09	8.54E-09	7.69E-10	1.13E-08	1.69E-09	6.27E-09	5.52E-10	8.52E-09	1.92E-10	1.10E-09	1.31E-10	1.42E-09	1.75E-10	5.75E-10	3.97E-11	7.90E-10
3444	469562.37	3819055.67	2.07E-09	8.71E-09	7.84E-10	1.16E-08	1.73E-09	6.40E-09	5.63E-10	8.69E-09	1.96E-10	1.12E-09	1.34E-10	1.45E-09	1.78E-10	5.87E-10	4.05E-11	8.06E-10
3445	469566.22	3819046.83	2.12E-09	8.89E-09	8.01E-10	1.18E-08	1.76E-09	6.53E-09	5.75E-10	8.87E-09	2.00E-10	1.14E-09	1.37E-10	1.48E-09	1.82E-10	5.99E-10	4.13E-11	8.22E-10
3446	469570.08	3819037.98	2.15E-09	9.04E-09	8.14E-10	1.20E-08	1.79E-09	6.64E-09	5.84E-10	9.02E-09	2.03E-10	1.16E-09	1.39E-10	1.51E-09	1.85E-10	6.09E-10	4.20E-11	8.36E-10
3447	469573.94	3819029.13	2.20E-09	9.23E-09	8.31E-10	1.23E-08	1.83E-09	6.78E-09	5.97E-10	9.21E-09	2.08E-10	1.19E-09	1.42E-10	1.54E-09	1.89E-10	6.22E-10	4.29E-11	8.54E-10
3448	469577.8	3819020.29	2.25E-09	9.43E-09	8.49E-10	1.25E-08	1.87E-09	6.93E-09	6.10E-10	9.41E-09	2.12E-10	1.21E-09	1.45E-10	1.57E-09	1.93E-10	6.36E-10	4.38E-11	8.72E-10
3449	469581.65	3819011.44	2.30E-09	9.64E-09	8.68E-10	1.28E-08	1.91E-09	7.09E-09	6.23E-10	9.62E-09	2.17E-10	1.24E-09	1.48E-10	1.61E-09	1.97E-10	6.50E-10	4.48E-11	8.92E-10
3450	469585.51	3819002.6	2.35E-09	9.86E-09	8.88E-10	1.31E-08	1.96E-09	7.25E-09	6.37E-10	9.84E-09	2.22E-10	1.27E-09	1.51E-10	1.64E-09	2.02E-10	6.65E-10	4.58E-11	9.12E-10
3451	469589.37	3818993.75	2.40E-09	1.01E-08	9.07E-10	1.34E-08	2.00E-09	7.40E-09	6.51E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.68E-09	2.06E-10	6.79E-10	4.68E-11	9.32E-10
3452	469593.23	3818984.91	2.45E-09	1.03E-08	9.27E-10	1.37E-08	2.04E-09	7.56E-09	6.65E-10	1.03E-08	2.31E-10	1.32E-09	1.58E-10	1.71E-09	2.10E-10	6.94E-10	4.78E-11	9.52E-10
3453	469597.08	3818976.06	2.50E-09	1.05E-08	9.44E-10	1.39E-08	2.08E-09	7.71E-09	6.78E-10	1.05E-08	2.36E-10	1.35E-09	1.61E-10	1.75E-09	2.14E-10	7.07E-10	4.87E-11	9.70E-10
3454	469600.94	3818967.22	2.54E-09	1.07E-08	9.62E-10	1.42E-08	2.12E-09	7.85E-09	6.90E-10	1.07E-08	2.40E-10	1.37E-09	1.64E-10	1.78E-09	2.18E-10	7.20E-10	4.96E-11	9.88E-10
3455	469604.8	3818958.37	2.59E-09	1.09E-08	9.79E-10	1.44E-08	2.16E-09	7.99E-09	7.03E-10	1.08E-08	2.44E-10	1.40E-09	1.67E-10	1.81E-09	2.22E-10	7.33E-10	5.05E-11	1.01E-09
3456	469608.66	3818949.53	2.63E-09	1.11E-08	9.96E-10	1.47E-08	2.19E-09	8.12E-09	7.15E-10	1.10E-08	2.49E-10	1.42E-09	1.70E-10	1.84E-09	2.26E-10	7.45E-10	5.14E-11	1.02E-09
3457	469612.51	3818940.68	2.68E-09	1.12E-08	1.01E-09	1.49E-08	2.23E-09	8.26E-09	7.27E-10	1.12E-08	2.53E-10	1.45E-09	1.73E-10	1.87E-09	2.30E-10	7.58E-10	5.22E-11	1.04E-09
3458	469616.37	3818931.84	2.72E-09	1.14E-08	1.03E-09	1.52E-08	2.27E-09	8.39E-09	7.38E-10	1.14E-08	2.57E-10	1.47E-09	1.75E-10	1.90E-09	2.33E-10	7.70E-10	5.31E-11	1.06E-09
3459	469705.01	3818779.66	3.42E-09	1.43E-08	1.29E-09	1.91E-08	2.85E-09	1.05E-08	9.27E-10	1.43E-08	3.23E-10	1.85E-09	2.20E-10	2.39E-09	2.93E-10	9.67E-10	6.67E-11	1.33E-09
3460	469713.98	3818776.1	3.50E-09	1.47E-08	1.32E-09	1.95E-08	2.91E-09	1.08E-08	9.49E-10	1.46E-08	3.30E-10	1.89E-09	2.25E-10	2.45E-09	3.00E-10	9.89E-10	6.82E-11	1.36E-09
3461	469722.95	3818772.55	3.58E-09	1.50E-08	1.35E-09	1.99E-08	2.98E-09	1.10E-08	9.71E-10	1.50E-08	3.38E-10	1.93E-09	2.31E-10	2.50E-09	3.07E-10	1.01E-09	6.98E-11	1.39E-09
3462	469731.92	3818769	3.65E-09	1.53E-08	1.38E-09	2.04E-08	3.04E-09	1.13E-08	9.92E-10	1.53E-08	3.45E-10	1.98E-09	2.36E-10	2.56E-09	3.14E-10	1.03E-09	7.13E-11	1.42E-09
3463	469740.89	3818765.44	3.73E-09	1.57E-08	1.41E-09	2.08E-08	3.11E-09	1.15E-08	1.01E-09	1.56E-08	3.52E-10	2.02E-09	2.41E-10	2.61E-09	3.20E-10	1.06E-09	7.28E-11	1.45E-09
3464	469812.67	3818737.02	4.31E-09	1.81E-08	1.63E-09	2.41E-08	3.59E-09	1.33E-08	1.17E-09	1.81E-08	4.07E-10	2.33E-09	2.78E-10	3.02E-09	3.70E-10	1.22E-09	8.42E-11	1.68E-09

3465	469821.64	3818733.46	4.38E-09	1.84E-08	1.66E-09	2.44E-08	3.65E-09	1.35E-08	1.19E-09	1.84E-08	4.14E-10	2.37E-09	2.83E-10	3.06E-09	3.76E-10	1.24E-09	8.55E-11	1.70E-09
3466	469830.61	3818729.91	4.44E-09	1.87E-08	1.68E-09	2.48E-08	3.70E-09	1.37E-08	1.21E-09	1.86E-08	4.20E-10	2.40E-09	2.87E-10	3.11E-09	3.81E-10	1.26E-09	8.67E-11	1.73E-09
3467	469839.58	3818726.36	4.50E-09	1.89E-08	1.70E-09	2.51E-08	3.75E-09	1.39E-08	1.22E-09	1.89E-08	4.25E-10	2.44E-09	2.91E-10	3.15E-09	3.87E-10	1.28E-09	8.79E-11	1.75E-09
3468	469848.55	3818722.8	4.56E-09	1.92E-08	1.73E-09	2.55E-08	3.80E-09	1.41E-08	1.24E-09	1.91E-08	4.31E-10	2.47E-09	2.94E-10	3.19E-09	3.92E-10	1.29E-09	8.91E-11	1.77E-09
3469	469857.52	3818719.25	4.62E-09	1.94E-08	1.75E-09	2.58E-08	3.85E-09	1.43E-08	1.26E-09	1.94E-08	4.37E-10	2.50E-09	2.98E-10	3.23E-09	3.97E-10	1.31E-09	9.02E-11	1.80E-09
3470	469866.5	3818715.7	4.68E-09	1.97E-08	1.77E-09	2.61E-08	3.90E-09	1.45E-08	1.27E-09	1.96E-08	4.42E-10	2.53E-09	3.02E-10	3.28E-09	4.02E-10	1.33E-09	9.14E-11	1.82E-09
3471	469875.47	3818712.14	4.74E-09	1.99E-08	1.79E-09	2.64E-08	3.95E-09	1.46E-08	1.29E-09	1.99E-08	4.47E-10	2.56E-09	3.06E-10	3.31E-09	4.07E-10	1.34E-09	9.24E-11	1.84E-09
3472	469884.44	3818708.59	4.79E-09	2.01E-08	1.81E-09	2.67E-08	3.99E-09	1.48E-08	1.30E-09	2.01E-08	4.52E-10	2.59E-09	3.09E-10	3.35E-09	4.11E-10	1.36E-09	9.34E-11	1.86E-09
3473	469893.41	3818705.04	4.84E-09	2.03E-08	1.83E-09	2.70E-08	4.03E-09	1.49E-08	1.31E-09	2.03E-08	4.57E-10	2.62E-09	3.12E-10	3.38E-09	4.15E-10	1.37E-09	9.44E-11	1.88E-09
3474	469902.38	3818701.48	4.89E-09	2.05E-08	1.85E-09	2.73E-08	4.07E-09	1.51E-08	1.33E-09	2.05E-08	4.62E-10	2.64E-09	3.15E-10	3.42E-09	4.20E-10	1.38E-09	9.54E-11	1.90E-09
3475	469911.35	3818697.93	4.94E-09	2.07E-08	1.87E-09	2.75E-08	4.11E-09	1.52E-08	1.34E-09	2.07E-08	4.66E-10	2.67E-09	3.18E-10	3.45E-09	4.24E-10	1.40E-09	9.63E-11	1.92E-09
3476	470010.04	3818658.84	5.37E-09	2.26E-08	2.03E-09	3.00E-08	4.47E-09	1.66E-08	1.46E-09	2.25E-08	5.07E-10	2.90E-09	3.46E-10	3.76E-09	4.61E-10	1.52E-09	1.05E-10	2.09E-09
3477	470019.01	3818655.29	5.41E-09	2.27E-08	2.05E-09	3.02E-08	4.51E-09	1.67E-08	1.47E-09	2.27E-08	5.11E-10	2.92E-09	3.49E-10	3.78E-09	4.64E-10	1.53E-09	1.06E-10	2.10E-09
3478	470027.99	3818651.74	5.44E-09	2.28E-08	2.06E-09	3.03E-08	4.53E-09	1.68E-08	1.48E-09	2.28E-08	5.13E-10	2.94E-09	3.51E-10	3.80E-09	4.67E-10	1.54E-09	1.06E-10	2.11E-09
3479	470036.96	3818648.18	5.46E-09	2.29E-08	2.06E-09	3.04E-08	4.55E-09	1.68E-08	1.48E-09	2.29E-08	5.15E-10	2.95E-09	3.52E-10	3.82E-09	4.69E-10	1.54E-09	1.06E-10	2.12E-09
3480	470045.93	3818644.63	5.48E-09	2.30E-08	2.07E-09	3.06E-08	4.56E-09	1.69E-08	1.49E-09	2.30E-08	5.17E-10	2.96E-09	3.53E-10	3.83E-09	4.70E-10	1.55E-09	1.07E-10	2.13E-09
3481	470054.9	3818641.08	5.50E-09	2.31E-08	2.08E-09	3.07E-08	4.58E-09	1.70E-08	1.49E-09	2.30E-08	5.19E-10	2.97E-09	3.55E-10	3.85E-09	4.72E-10	1.56E-09	1.07E-10	2.14E-09
3482	470063.87	3818637.52	5.52E-09	2.32E-08	2.09E-09	3.08E-08	4.59E-09	1.70E-08	1.50E-09	2.31E-08	5.21E-10	2.98E-09	3.56E-10	3.86E-09	4.73E-10	1.56E-09	1.08E-10	2.14E-09
3483	470072.84	3818633.97	5.53E-09	2.32E-08	2.09E-09	3.08E-08	4.61E-09	1.71E-08	1.50E-09	2.32E-08	5.22E-10	2.99E-09	3.57E-10	3.87E-09	4.75E-10	1.57E-09	1.08E-10	2.15E-09
3484	470081.82	3818630.42	5.50E-09	2.31E-08	2.08E-09	3.07E-08	4.58E-09	1.70E-08	1.49E-09	2.31E-08	5.20E-10	2.97E-09	3.55E-10	3.85E-09	4.72E-10	1.56E-09	1.07E-10	2.14E-09
3485	470090.79	3818626.86	5.49E-09	2.31E-08	2.08E-09	3.06E-08	4.57E-09	1.69E-08	1.49E-09	2.30E-08	5.18E-10	2.97E-09	3.54E-10	3.84E-09	4.71E-10	1.55E-09	1.07E-10	2.13E-09
3486	470099.76	3818623.31	5.53E-09	2.32E-08	2.09E-09	3.09E-08	4.61E-09	1.71E-08	1.50E-09	2.32E-08	5.22E-10	2.99E-09	3.57E-10	3.87E-09	4.75E-10	1.57E-09	1.08E-10	2.15E-09
3487	470108.73	3818619.76	5.52E-09	2.32E-08	2.09E-09	3.08E-08	4.60E-09	1.70E-08	1.50E-09	2.31E-08	5.21E-10	2.98E-09	3.56E-10	3.86E-09	4.74E-10	1.56E-09	1.08E-10	2.14E-09
3488	469488.69	3819243.02	1.68E-09	7.06E-09	6.36E-10	9.38E-09	1.40E-09	5.19E-09	4.56E-10	7.05E-09	1.59E-10	9.09E-10	1.08E-10	1.18E-09	1.44E-10	4.76E-10	3.28E-11	6.53E-10
3489	469488.49	3819252.67	1.70E-09	7.16E-09	6.45E-10	9.51E-09	1.42E-09	5.26E-09	4.63E-10	7.14E-09	1.61E-10	9.21E-10	1.10E-10	1.19E-09	1.46E-10	4.82E-10	3.33E-11	6.62E-10
3490	469488.3	3819262.32	1.73E-09	7.26E-09	6.54E-10	9.64E-09	1.44E-09	5.33E-09	4.69E-10	7.24E-09	1.63E-10	9.34E-10	1.11E-10	1.21E-09	1.48E-10	4.89E-10	3.37E-11	6.71E-10
3491	469488.11	3819271.97	1.76E-09	7.37E-09	6.64E-10	9.79E-09	1.46E-09	5.42E-09	4.76E-10	7.35E-09	1.66E-10	9.49E-10	1.13E-10	1.23E-09	1.51E-10	4.97E-10	3.42E-11	6.82E-10
3492	469487.92	3819281.62	1.78E-09	7.49E-09	6.75E-10	9.95E-09	1.49E-09	5.50E-09	4.84E-10	7.47E-09	1.68E-10	9.64E-10	1.15E-10	1.25E-09	1.53E-10	5.05E-10	3.48E-11	6.93E-10
3493	469487.72	3819291.27	1.82E-09	7.63E-09	6.87E-10	1.01E-08	1.51E-09	5.61E-09	4.93E-10	7.61E-09	1.72E-10	9.82E-10	1.17E-10	1.27E-09	1.56E-10	5.14E-10	3.55E-11	7.06E-10
3494	469487.53	3819300.91	1.85E-09	7.78E-09	7.01E-10	1.03E-08	1.54E-09	5.72E-09	5.03E-10	7.77E-09	1.75E-10	1.00E-09	1.20E-10	1.30E-09	1.59E-10	5.25E-10	3.62E-11	7.20E-10
3495	469487.34	3819310.56	1.89E-09	7.95E-09	7.16E-10	1.06E-08	1.58E-09	5.84E-09	5.14E-10	7.93E-09	1.79E-10	1.02E-09	1.22E-10	1.32E-09	1.62E-10	5.36E-10	3.69E-11	7.35E-10
3496	469487.14	3819320.21	1.93E-09	8.11E-09	7.31E-10	1.08E-08	1.61E-09	5.96E-09	5.24E-10	8.10E-09	1.82E-10	1.04E-09	1.25E-10	1.35E-09	1.66E-10	5.47E-10	3.77E-11	7.50E-10
3497	469486.95	3819329.86	1.97E-09	8.28E-09	7.46E-10	1.10E-08	1.64E-09	6.08E-09	5.35E-10	8.26E-09	1.86E-10	1.07E-09	1.27E-10	1.38E-09	1.69E-10	5.58E-10	3.85E-11	7.66E-10
3498	469486.76	3819339.51	2.01E-09	8.46E-09	7.62E-10	1.12E-08	1.68E-09	6.21E-09	5.47E-10	8.44E-09	1.90E-10	1.09E-09	1.30E-10	1.41E-09	1.73E-10	5.70E-10	3.93E-11	7.82E-10
3499	469486.56	3819349.15	2.06E-09	8.64E-09	7.78E-10	1.15E-08	1.71E-09	6.35E-09	5.59E-10	8.62E-09	1.94E-10	1.11E-09	1.33E-10	1.44E-09	1.77E-10	5.83E-10	4.02E-11	7.99E-10
3500	469486.37	3819358.8	2.10E-09	8.84E-09	7.96E-10	1.17E-08	1.75E-09	6.50E-09	5.71E-10	8.82E-09	1.99E-10	1.14E-09	1.36E-10	1.47E-09	1.81E-10	5.96E-10	4.11E-11	8.18E-10
3501	469486.18	3819368.45	2.15E-09	9.05E-09	8.15E-10	1.20E-08	1.79E-09	6.65E-09	5.85E-10	9.03E-09	2.03E-10	1.16E-09	1.39E-10	1.51E-09	1.85E-10	6.10E-10	4.20E-11	8.37E-10
3502	469485.98	3819378.1	2.21E-09	9.27E-09	8.34E-10	1.23E-08	1.84E-09	6.81E-09	5.99E-10	9.25E-09	2.08E-10	1.19E-09	1.42E-10	1.54E-09	1.89E-10	6.25E-10	4.31E-11	8.57E-10
3503	469485.79	3819387.75	2.26E-09	9.49E-09	8.55E-10	1.26E-08	1.88E-09	6.98E-09	6.14E-10	9.47E-09	2.13E-10	1.22E-09	1.46E-10	1.58E-09	1.94E-10	6.40E-10	4.41E-11	8.78E-10
3504	469485.6	3819397.4	2.32E-09	9.74E-09	8.77E-10	1.29E-08	1.93E-09	7.15E-09	6.29E-10	9.71E-09	2.19E-10	1.25E-09	1.50E-10	1.62E-09	1.99E-10	6.56E-10	4.52E-11	9.00E-10
3505	469485.4	3819407.04	2.38E-09	9.99E-09	8.99E-10	1.33E-08	1.98E-09	7.34E-09	6.46E-10	9.96E-09	2.25E-10	1.29E-09	1.53E-10	1.66E-09	2.04E-10	6.73E-10	4.64E-11	9.24E-10
3506	469485.21	3819416.69	2.44E-09	1.03E-08	9.23E-10	1.36E-08	2.03E-09	7.53E-09	6.63E-10	1.02E-08	2.31E-10	1.32E-09	1.57E-10	1.71E-09	2.10E-10	6.91E-10	4.76E-11	9.48E-10
3507	469485.02	3819426.34	2.51E-09	1.05E-08	9.48E-10	1.40E-08	2.09E-09	7.74E-09	6.81E-10	1.05E-08	2.37E-10	1.36E-09	1.62E-10	1.75E-09	2.15E-10	7.10E-10	4.89E-11	9.74E-10
3508	469484.82	3819435.99	2.58E-09	1.08E-08	9.75E-10	1.44E-08	2.15E-09	7.95E-09	7.00E-10	1.08E-08	2.43E-10	1.39E-09	1.66E-10	1.80E-09	2.21E-10	7.29E-10	5.03E-11	1.00E-09
3509	469502.23	3819101.05	1.60E-09	6.71E-09	6.04E-10	8.91E-09	1.33E-09	4.93E-09	4.34E-10	6.69E-09	1.51E-10	8.63E-10	1.03E-10	1.12E-09	1.37E-10	4.52E-10	3.12E-11	6.20E-10
3510	469506.03	3819092.35	1.63E-09	6.83E-09	6.15E-10	9.07E-09	1.35E-09	5.02E-09	4.41E-10	6.81E-09	1.54E-10	8.79E-10	1.05E-10	1.14E-09	1.40E-10	4.60E-10	3.17E-11	6.32E-10
3511	469509.83	3819083.64	1.69E-09	7.08E-09	6.38E-10	9.40E-09	1.40E-09	5.20E-09	4.58E-10	7.06E-09	1.59E-10	9.11E-10	1.09E-10	1.18E-09	1.45E-10	4.77E-10	3.29E-11	6.55E-10
3512	469513.62	3819074.94	1.69E-09	7.10E-09	6.39E-10	9.43E-09	1.41E-09	5.21E-09	4.59E-10	7.08E-09	1.60E-10	9.14E-10	1.09E-10	1.18E-09	1.45E-10	4.78E-10	3.30E-11	6.56E-10
3513	469517.42	3819066.23	1.72E-09	7.23E-09	6.51E-10	9.60E-09	1.43E-09	5.31E-09	4.67E-10	7.21E-09	1.63E-10	9.31E-10	1.11E-10	1.20E-09	1.48E-10	4.87E-10	3.36E-11	6.69E-10
3514	469521.21	3819057.53	1.76E-09	7.37E-09	6.64E-10	9.79E-09	1.46E-09	5.42E-09	4.77E-10	7.36E-09	1.66E-10	9.49E-10	1.13E-10	1.23E-09	1.51E-10	4.97E-10	3.43E-11	6.82E-10
3515	469525.01	3819048.82	1.79E-09	7.53E-09	6.78E-10	1.00E-08	1.49E-09	5.53E-09	4.87E-10	7.51E-09	1.69E-10	9.69E-10	1.16E-10	1.25E-09	1.54E-10	5.07E-10	3.50E-11	6.96E-10

3516	469528.81	3819040.12	1.83E-09	7.69E-09	6.93E-10	1.02E-08	1.53E-09	5.65E-09	4.97E-10	7.67E-09	1.73E-10	9.90E-10	1.18E-10	1.28E-09	1.57E-10	5.18E-10	3.57E-11	7.11E-10
3517	469532.6	3819031.41	1.87E-09	7.85E-09	7.07E-10	1.04E-08	1.56E-09	5.77E-09	5.08E-10	7.83E-09	1.77E-10	1.01E-09	1.21E-10	1.31E-09	1.60E-10	5.29E-10	3.65E-11	7.26E-10
3518	469536.4	3819022.71	1.91E-09	8.02E-09	7.22E-10	1.06E-08	1.59E-09	5.89E-09	5.18E-10	8.00E-09	1.80E-10	1.03E-09	1.23E-10	1.34E-09	1.64E-10	5.40E-10	3.72E-11	7.41E-10
3519	469540.2	3819014	1.95E-09	8.18E-09	7.37E-10	1.09E-08	1.62E-09	6.01E-09	5.29E-10	8.16E-09	1.84E-10	1.05E-09	1.26E-10	1.36E-09	1.67E-10	5.51E-10	3.80E-11	7.57E-10
3520	469543.99	3819005.3	1.99E-09	8.35E-09	7.52E-10	1.11E-08	1.66E-09	6.13E-09	5.40E-10	8.33E-09	1.88E-10	1.07E-09	1.28E-10	1.39E-09	1.71E-10	5.63E-10	3.88E-11	7.72E-10
3521	469547.79	3818996.59	2.03E-09	8.52E-09	7.67E-10	1.13E-08	1.69E-09	6.26E-09	5.51E-10	8.50E-09	1.92E-10	1.10E-09	1.31E-10	1.42E-09	1.74E-10	5.74E-10	3.96E-11	7.88E-10
3522	469551.59	3818987.89	2.07E-09	8.70E-09	7.83E-10	1.16E-08	1.73E-09	6.39E-09	5.62E-10	8.68E-09	1.96E-10	1.12E-09	1.34E-10	1.45E-09	1.78E-10	5.86E-10	4.04E-11	8.05E-10
3523	469555.38	3818979.18	2.12E-09	8.88E-09	8.00E-10	1.18E-08	1.76E-09	6.53E-09	5.74E-10	8.86E-09	2.00E-10	1.14E-09	1.36E-10	1.48E-09	1.82E-10	5.99E-10	4.13E-11	8.22E-10
3524	469559.18	3818970.48	2.16E-09	9.06E-09	8.16E-10	1.20E-08	1.80E-09	6.66E-09	5.86E-10	9.04E-09	2.04E-10	1.17E-09	1.39E-10	1.51E-09	1.85E-10	6.11E-10	4.21E-11	8.38E-10
3525	469562.98	3818961.77	2.20E-09	9.25E-09	8.33E-10	1.23E-08	1.83E-09	6.79E-09	5.98E-10	9.23E-09	2.08E-10	1.19E-09	1.42E-10	1.54E-09	1.89E-10	6.23E-10	4.30E-11	8.55E-10
3526	469566.77	3818953.07	2.24E-09	9.42E-09	8.48E-10	1.25E-08	1.87E-09	6.92E-09	6.09E-10	9.40E-09	2.12E-10	1.21E-09	1.45E-10	1.57E-09	1.93E-10	6.35E-10	4.38E-11	8.71E-10
3527	469570.57	3818944.36	2.28E-09	9.59E-09	8.63E-10	1.27E-08	1.90E-09	7.04E-09	6.20E-10	9.56E-09	2.16E-10	1.23E-09	1.47E-10	1.60E-09	1.96E-10	6.46E-10	4.45E-11	8.87E-10
3528	469574.36	3818935.66	2.32E-09	9.74E-09	8.78E-10	1.29E-08	1.93E-09	7.16E-09	6.30E-10	9.72E-09	2.19E-10	1.25E-09	1.50E-10	1.62E-09	1.99E-10	6.57E-10	4.53E-11	9.01E-10
3529	469578.16	3818926.95	2.36E-09	9.90E-09	8.92E-10	1.31E-08	1.96E-09	7.27E-09	6.40E-10	9.88E-09	2.23E-10	1.27E-09	1.52E-10	1.65E-09	2.02E-10	6.67E-10	4.60E-11	9.16E-10
3530	469646.5	3818770.26	2.82E-09	1.19E-08	1.07E-09	1.58E-08	2.35E-09	8.71E-09	7.67E-10	1.18E-08	2.67E-10	1.53E-09	1.82E-10	1.98E-09	2.42E-10	7.99E-10	5.51E-11	1.10E-09
3531	469659.12	3818758.06	2.90E-09	1.22E-08	1.10E-09	1.62E-08	2.42E-09	8.95E-09	7.87E-10	1.21E-08	2.74E-10	1.57E-09	1.87E-10	2.03E-09	2.49E-10	8.21E-10	5.66E-11	1.13E-09
3532	469667.95	3818754.56	2.97E-09	1.25E-08	1.12E-09	1.65E-08	2.47E-09	9.15E-09	8.05E-10	1.24E-08	2.80E-10	1.60E-09	1.91E-10	2.07E-09	2.55E-10	8.40E-10	5.79E-11	1.15E-09
3533	469676.78	3818751.06	3.03E-09	1.27E-08	1.15E-09	1.69E-08	2.53E-09	9.36E-09	8.23E-10	1.27E-08	2.86E-10	1.64E-09	1.96E-10	2.12E-09	2.60E-10	8.58E-10	5.92E-11	1.18E-09
3534	469712.1	3818737.07	3.30E-09	1.39E-08	1.25E-09	1.84E-08	2.75E-09	1.02E-08	8.97E-10	1.38E-08	3.12E-10	1.79E-09	2.13E-10	2.31E-09	2.84E-10	9.35E-10	6.45E-11	1.28E-09
3535	469720.93	3818733.58	3.37E-09	1.42E-08	1.27E-09	1.88E-08	2.81E-09	1.04E-08	9.15E-10	1.41E-08	3.18E-10	1.82E-09	2.17E-10	2.36E-09	2.89E-10	9.54E-10	6.57E-11	1.31E-09
3536	469729.76	3818730.08	3.43E-09	1.44E-08	1.30E-09	1.91E-08	2.86E-09	1.06E-08	9.32E-10	1.44E-08	3.24E-10	1.86E-09	2.21E-10	2.40E-09	2.95E-10	9.72E-10	6.70E-11	1.33E-09
3537	469738.59	3818726.58	3.50E-09	1.47E-08	1.32E-09	1.95E-08	2.91E-09	1.08E-08	9.49E-10	1.46E-08	3.30E-10	1.89E-09	2.25E-10	2.45E-09	3.00E-10	9.89E-10	6.82E-11	1.36E-09
3538	469747.42	3818723.08	3.56E-09	1.49E-08	1.35E-09	1.98E-08	2.96E-09	1.10E-08	9.66E-10	1.49E-08	3.36E-10	1.92E-09	2.30E-10	2.49E-09	3.06E-10	1.01E-09	6.94E-11	1.38E-09
3539	469756.25	3818719.59	3.62E-09	1.52E-08	1.37E-09	2.02E-08	3.01E-09	1.12E-08	9.82E-10	1.52E-08	3.42E-10	1.96E-09	2.33E-10	2.53E-09	3.11E-10	1.02E-09	7.06E-11	1.41E-09
3540	469765.08	3818716.09	3.68E-09	1.54E-08	1.39E-09	2.05E-08	3.06E-09	1.13E-08	9.98E-10	1.54E-08	3.47E-10	1.99E-09	2.37E-10	2.57E-09	3.16E-10	1.04E-09	7.17E-11	1.43E-09
3541	469773.91	3818712.59	3.73E-09	1.57E-08	1.41E-09	2.08E-08	3.11E-09	1.15E-08	1.01E-09	1.56E-08	3.52E-10	2.02E-09	2.41E-10	2.61E-09	3.20E-10	1.06E-09	7.28E-11	1.45E-09
3542	469782.74	3818709.1	3.79E-09	1.59E-08	1.43E-09	2.11E-08	3.15E-09	1.17E-08	1.03E-09	1.59E-08	3.58E-10	2.05E-09	2.44E-10	2.65E-09	3.25E-10	1.07E-09	7.39E-11	1.47E-09
3543	469791.57	3818705.6	3.85E-09	1.62E-08	1.45E-09	2.15E-08	3.20E-09	1.19E-08	1.04E-09	1.61E-08	3.63E-10	2.08E-09	2.48E-10	2.69E-09	3.30E-10	1.09E-09	7.50E-11	1.49E-09
3544	469800.4	3818702.1	3.90E-09	1.64E-08	1.48E-09	2.18E-08	3.25E-09	1.20E-08	1.06E-09	1.64E-08	3.69E-10	2.11E-09	2.52E-10	2.73E-09	3.35E-10	1.10E-09	7.61E-11	1.52E-09
3545	469809.23	3818698.6	3.96E-09	1.66E-08	1.50E-09	2.21E-08	3.30E-09	1.22E-08	1.07E-09	1.66E-08	3.74E-10	2.14E-09	2.55E-10	2.77E-09	3.40E-10	1.12E-09	7.72E-11	1.54E-09
3546	469818.06	3818695.11	4.01E-09	1.68E-08	1.52E-09	2.24E-08	3.34E-09	1.24E-08	1.09E-09	1.68E-08	3.79E-10	2.17E-09	2.59E-10	2.80E-09	3.44E-10	1.13E-09	7.82E-11	1.56E-09
3547	469826.89	3818691.61	4.06E-09	1.70E-08	1.53E-09	2.26E-08	3.38E-09	1.25E-08	1.10E-09	1.70E-08	3.83E-10	2.19E-09	2.62E-10	2.84E-09	3.48E-10	1.15E-09	7.92E-11	1.58E-09
3548	469835.72	3818688.11	4.10E-09	1.72E-08	1.55E-09	2.29E-08	3.42E-09	1.27E-08	1.11E-09	1.72E-08	3.88E-10	2.22E-09	2.65E-10	2.87E-09	3.52E-10	1.16E-09	8.01E-11	1.59E-09
3549	469844.55	3818684.62	4.15E-09	1.74E-08	1.57E-09	2.31E-08	3.46E-09	1.28E-08	1.13E-09	1.74E-08	3.92E-10	2.24E-09	2.68E-10	2.90E-09	3.56E-10	1.17E-09	8.10E-11	1.61E-09
3550	469853.38	3818681.12	4.19E-09	1.76E-08	1.59E-09	2.34E-08	3.49E-09	1.29E-08	1.14E-09	1.76E-08	3.96E-10	2.27E-09	2.70E-10	2.93E-09	3.60E-10	1.19E-09	8.18E-11	1.63E-09
3551	469862.21	3818677.62	4.24E-09	1.78E-08	1.60E-09	2.36E-08	3.53E-09	1.31E-08	1.15E-09	1.78E-08	4.00E-10	2.29E-09	2.73E-10	2.96E-09	3.64E-10	1.20E-09	8.27E-11	1.65E-09
3552	469871.04	3818674.12	4.28E-09	1.80E-08	1.62E-09	2.39E-08	3.56E-09	1.32E-08	1.16E-09	1.79E-08	4.04E-10	2.31E-09	2.76E-10	2.99E-09	3.67E-10	1.21E-09	8.35E-11	1.66E-09
3553	469879.87	3818670.63	4.32E-09	1.82E-08	1.63E-09	2.41E-08	3.60E-09	1.33E-08	1.17E-09	1.81E-08	4.08E-10	2.34E-09	2.79E-10	3.02E-09	3.71E-10	1.22E-09	8.43E-11	1.68E-09
3554	469888.69	3818667.13	4.36E-09	1.83E-08	1.65E-09	2.43E-08	3.63E-09	1.35E-08	1.18E-09	1.83E-08	4.12E-10	2.36E-09	2.81E-10	3.05E-09	3.74E-10	1.23E-09	8.51E-11	1.69E-09
3555	469897.52	3818663.63	4.40E-09	1.85E-08	1.66E-09	2.45E-08	3.66E-09	1.36E-08	1.19E-09	1.84E-08	4.15E-10	2.38E-09	2.84E-10	3.08E-09	3.78E-10	1.25E-09	8.59E-11	1.71E-09
3556	469906.35	3818660.14	4.44E-09	1.86E-08	1.68E-09	2.48E-08	3.70E-09	1.37E-08	1.20E-09	1.86E-08	4.19E-10	2.40E-09	2.86E-10	3.10E-09	3.81E-10	1.26E-09	8.66E-11	1.72E-09
3557	469915.18	3818656.64	4.48E-09	1.88E-08	1.69E-09	2.50E-08	3.73E-09	1.38E-08	1.22E-09	1.88E-08	4.23E-10	2.42E-09	2.89E-10	3.13E-09	3.84E-10	1.27E-09	8.74E-11	1.74E-09
3558	469950.5	3818642.65	4.62E-09	1.94E-08	1.75E-09	2.58E-08	3.85E-09	1.43E-08	1.25E-09	1.94E-08	4.36E-10	2.50E-09	2.98E-10	3.23E-09	3.96E-10	1.31E-09	9.01E-11	1.79E-09
3559	469959.33	3818639.15	4.65E-09	1.95E-08	1.76E-09	2.59E-08	3.87E-09	1.43E-08	1.26E-09	1.95E-08	4.39E-10	2.51E-09	3.00E-10	3.25E-09	3.99E-10	1.32E-09	9.07E-11	1.81E-09
3560	469968.16	3818635.66	4.68E-09	1.96E-08	1.77E-09	2.61E-08	3.90E-09	1.44E-08	1.27E-09	1.96E-08	4.42E-10	2.53E-09	3.02E-10	3.27E-09	4.02E-10	1.32E-09	9.13E-11	1.82E-09
3561	469976.99	3818632.16	4.71E-09	1.98E-08	1.78E-09	2.63E-08	3.92E-09	1.45E-08	1.28E-09	1.97E-08	4.45E-10	2.55E-09	3.04E-10	3.29E-09	4.04E-10	1.33E-09	9.19E-11	1.83E-09
3562	469985.82	3818628.66	4.74E-09	1.99E-08	1.79E-09	2.64E-08	3.94E-09	1.46E-08	1.29E-09	1.98E-08	4.47E-10	2.56E-09	3.05E-10	3.31E-09	4.07E-10	1.34E-09	9.24E-11	1.84E-09
3563	469994.65	3818625.17	4.76E-09	2.00E-08	1.80E-09	2.66E-08	3.97E-09	1.47E-08	1.29E-09	2.00E-08	4.50E-10	2.58E-09	3.07E-10	3.33E-09	4.09E-10	1.35E-09	9.30E-11	1.85E-09
3564	470003.48	3818621.67	4.79E-09	2.01E-08	1.81E-09	2.67E-08	3.99E-09	1.48E-08	1.30E-09	2.01E-08	4.52E-10	2.59E-09	3.09E-10	3.35E-09	4.11E-10	1.36E-09	9.35E-11	1.86E-09
3565	470012.31	3818618.17	4.82E-09	2.02E-08	1.82E-09	2.69E-08	4.01E-09	1.49E-08	1.31E-09	2.02E-08	4.55E-10	2.60E-09	3.11E-10	3.37E-09	4.14E-10	1.36E-09	9.40E-11	1.87E-09
3566	470021.14	3818614.67	4.84E-09	2.03E-08	1.83E-09	2.70E-08	4.03E-09	1.49E-08	1.31E-09	2.03E-08	4.57E-10	2.62E-09	3.12E-10	3.39E-09	4.16E-10	1.37E-09	9.45E-11	1.88E-09

3567	470029.97	3818611.18	4.87E-09	2.04E-08	1.84E-09	2.71E-08	4.05E-09	1.50E-08	1.32E-09	2.04E-08	4.60E-10	2.63E-09	3.14E-10	3.40E-09	4.18E-10	1.38E-09	9.50E-11	1.89E-09
3568	470038.8	3818607.68	4.89E-09	2.05E-08	1.85E-09	2.73E-08	4.07E-09	1.51E-08	1.33E-09	2.05E-08	4.62E-10	2.64E-09	3.15E-10	3.42E-09	4.20E-10	1.38E-09	9.54E-11	1.90E-09
3569	470047.63	3818604.18	4.91E-09	2.06E-08	1.86E-09	2.74E-08	4.09E-09	1.51E-08	1.33E-09	2.06E-08	4.64E-10	2.65E-09	3.17E-10	3.43E-09	4.21E-10	1.39E-09	9.58E-11	1.91E-09
3570	470056.46	3818600.69	4.93E-09	2.07E-08	1.86E-09	2.75E-08	4.10E-09	1.52E-08	1.34E-09	2.06E-08	4.65E-10	2.66E-09	3.18E-10	3.45E-09	4.23E-10	1.39E-09	9.61E-11	1.91E-09
3571	470065.29	3818597.19	4.94E-09	2.08E-08	1.87E-09	2.76E-08	4.12E-09	1.52E-08	1.34E-09	2.07E-08	4.67E-10	2.67E-09	3.19E-10	3.46E-09	4.24E-10	1.40E-09	9.64E-11	1.92E-09
3572	470074.12	3818593.69	4.95E-09	2.08E-08	1.87E-09	2.76E-08	4.12E-09	1.53E-08	1.34E-09	2.07E-08	4.68E-10	2.68E-09	3.19E-10	3.46E-09	4.25E-10	1.40E-09	9.66E-11	1.92E-09
3573	470082.95	3818590.19	4.96E-09	2.08E-08	1.88E-09	2.77E-08	4.13E-09	1.53E-08	1.35E-09	2.08E-08	4.68E-10	2.68E-09	3.20E-10	3.47E-09	4.26E-10	1.40E-09	9.67E-11	1.93E-09
3574	470091.78	3818586.7	4.96E-09	2.08E-08	1.88E-09	2.77E-08	4.13E-09	1.53E-08	1.35E-09	2.08E-08	4.68E-10	2.68E-09	3.20E-10	3.47E-09	4.26E-10	1.40E-09	9.68E-11	1.93E-09
3575	470100.61	3818583.2	4.96E-09	2.08E-08	1.87E-09	2.76E-08	4.13E-09	1.53E-08	1.35E-09	2.08E-08	4.68E-10	2.68E-09	3.20E-10	3.47E-09	4.25E-10	1.40E-09	9.67E-11	1.93E-09
3576	470109.44	3818579.7	4.94E-09	2.08E-08	1.87E-09	2.76E-08	4.12E-09	1.53E-08	1.34E-09	2.07E-08	4.67E-10	2.67E-09	3.19E-10	3.46E-09	4.24E-10	1.40E-09	9.65E-11	1.92E-09
3577	469448.7	3819242.22	1.50E-09	6.28E-09	5.65E-10	8.34E-09	1.25E-09	4.61E-09	4.06E-10	6.26E-09	1.41E-10	8.08E-10	9.64E-11	1.05E-09	1.28E-10	4.23E-10	2.92E-11	5.81E-10
3578	469448.5	3819251.87	1.51E-09	6.36E-09	5.73E-10	8.45E-09	1.26E-09	4.67E-09	4.11E-10	6.35E-09	1.43E-10	8.19E-10	9.77E-11	1.06E-09	1.30E-10	4.29E-10	2.96E-11	5.88E-10
3579	469448.31	3819261.52	1.54E-09	6.45E-09	5.81E-10	8.57E-09	1.28E-09	4.74E-09	4.17E-10	6.44E-09	1.45E-10	8.30E-10	9.91E-11	1.07E-09	1.32E-10	4.35E-10	3.00E-11	5.97E-10
3580	469448.12	3819271.17	1.56E-09	6.55E-09	5.90E-10	8.70E-09	1.30E-09	4.81E-09	4.23E-10	6.53E-09	1.47E-10	8.43E-10	1.01E-10	1.09E-09	1.34E-10	4.41E-10	3.04E-11	6.06E-10
3581	469447.92	3819280.82	1.58E-09	6.65E-09	5.99E-10	8.84E-09	1.32E-09	4.89E-09	4.30E-10	6.64E-09	1.50E-10	8.56E-10	1.02E-10	1.11E-09	1.36E-10	4.48E-10	3.09E-11	6.15E-10
3582	469447.73	3819290.46	1.61E-09	6.77E-09	6.10E-10	8.99E-09	1.34E-09	4.98E-09	4.38E-10	6.76E-09	1.52E-10	8.72E-10	1.04E-10	1.13E-09	1.38E-10	4.56E-10	3.15E-11	6.26E-10
3583	469447.54	3819300.11	1.64E-09	6.90E-09	6.21E-10	9.16E-09	1.37E-09	5.07E-09	4.46E-10	6.88E-09	1.55E-10	8.88E-10	1.06E-10	1.15E-09	1.41E-10	4.65E-10	3.20E-11	6.38E-10
3584	469447.34	3819309.76	1.68E-09	7.04E-09	6.34E-10	9.35E-09	1.40E-09	5.17E-09	4.55E-10	7.02E-09	1.58E-10	9.06E-10	1.08E-10	1.17E-09	1.44E-10	4.74E-10	3.27E-11	6.51E-10
3585	469447.15	3819319.41	1.71E-09	7.18E-09	6.46E-10	9.53E-09	1.42E-09	5.27E-09	4.64E-10	7.16E-09	1.61E-10	9.24E-10	1.10E-10	1.20E-09	1.47E-10	4.84E-10	3.33E-11	6.64E-10
3586	469446.96	3819329.06	1.74E-09	7.32E-09	6.59E-10	9.72E-09	1.45E-09	5.38E-09	4.73E-10	7.30E-09	1.65E-10	9.42E-10	1.12E-10	1.22E-09	1.50E-10	4.93E-10	3.40E-11	6.77E-10
3587	469446.76	3819338.71	1.78E-09	7.47E-09	6.72E-10	9.92E-09	1.48E-09	5.49E-09	4.83E-10	7.45E-09	1.68E-10	9.61E-10	1.15E-10	1.24E-09	1.53E-10	5.03E-10	3.47E-11	6.90E-10
3588	469446.57	3819348.35	1.81E-09	7.62E-09	6.86E-10	1.01E-08	1.51E-09	5.60E-09	4.93E-10	7.60E-09	1.71E-10	9.81E-10	1.17E-10	1.27E-09	1.56E-10	5.14E-10	3.54E-11	7.05E-10
3589	469446.38	3819358	1.85E-09	7.79E-09	7.01E-10	1.03E-08	1.54E-09	5.72E-09	5.03E-10	7.77E-09	1.75E-10	1.00E-09	1.20E-10	1.30E-09	1.59E-10	5.25E-10	3.62E-11	7.20E-10
3590	469446.18	3819367.65	1.90E-09	7.96E-09	7.17E-10	1.06E-08	1.58E-09	5.85E-09	5.14E-10	7.94E-09	1.79E-10	1.02E-09	1.22E-10	1.33E-09	1.63E-10	5.36E-10	3.70E-11	7.36E-10
3591	469445.99	3819377.3	1.94E-09	8.14E-09	7.33E-10	1.08E-08	1.61E-09	5.98E-09	5.26E-10	8.12E-09	1.83E-10	1.05E-09	1.25E-10	1.36E-09	1.66E-10	5.49E-10	3.78E-11	7.53E-10
3592	469445.8	3819386.95	1.98E-09	8.33E-09	7.50E-10	1.11E-08	1.65E-09	6.12E-09	5.38E-10	8.31E-09	1.87E-10	1.07E-09	1.28E-10	1.39E-09	1.70E-10	5.61E-10	3.87E-11	7.70E-10
3593	469445.6	3819396.59	2.03E-09	8.52E-09	7.68E-10	1.13E-08	1.69E-09	6.26E-09	5.51E-10	8.50E-09	1.92E-10	1.10E-09	1.31E-10	1.42E-09	1.74E-10	5.74E-10	3.96E-11	7.88E-10
3594	469445.41	3819406.24	2.08E-09	8.73E-09	7.86E-10	1.16E-08	1.73E-09	6.42E-09	5.64E-10	8.71E-09	1.96E-10	1.12E-09	1.34E-10	1.45E-09	1.78E-10	5.88E-10	4.06E-11	8.07E-10
3595	469445.22	3819415.89	2.13E-09	8.94E-09	8.05E-10	1.19E-08	1.77E-09	6.57E-09	5.78E-10	8.92E-09	2.01E-10	1.15E-09	1.37E-10	1.49E-09	1.83E-10	6.03E-10	4.16E-11	8.27E-10
3596	469445.03	3819425.54	2.18E-09	9.17E-09	8.26E-10	1.22E-08	1.82E-09	6.74E-09	5.93E-10	9.15E-09	2.06E-10	1.18E-09	1.41E-10	1.53E-09	1.87E-10	6.18E-10	4.26E-11	8.48E-10
3597	469444.83	3819435.19	2.24E-09	9.40E-09	8.47E-10	1.25E-08	1.87E-09	6.91E-09	6.08E-10	9.38E-09	2.11E-10	1.21E-09	1.44E-10	1.57E-09	1.92E-10	6.34E-10	4.37E-11	8.70E-10
3598	469454.82	3819117.27	1.35E-09	5.67E-09	5.11E-10	7.54E-09	1.13E-09	4.17E-09	3.67E-10	5.66E-09	1.28E-10	7.30E-10	8.71E-11	9.45E-10	1.16E-10	3.82E-10	2.64E-11	5.25E-10
3599	469458.63	3819108.53	1.37E-09	5.75E-09	5.18E-10	7.63E-09	1.14E-09	4.22E-09	3.72E-10	5.74E-09	1.29E-10	7.40E-10	8.83E-11	9.58E-10	1.18E-10	3.87E-10	2.67E-11	5.32E-10
3600	469462.44	3819099.79	1.39E-09	5.83E-09	5.25E-10	7.75E-09	1.16E-09	4.29E-09	3.77E-10	5.82E-09	1.31E-10	7.51E-10	8.96E-11	9.72E-10	1.19E-10	3.93E-10	2.71E-11	5.40E-10
3601	469466.25	3819091.05	1.41E-09	5.93E-09	5.34E-10	7.87E-09	1.18E-09	4.36E-09	3.83E-10	5.91E-09	1.33E-10	7.63E-10	9.10E-11	9.87E-10	1.21E-10	3.99E-10	2.75E-11	5.48E-10
3602	469470.06	3819082.32	1.43E-09	6.02E-09	5.43E-10	8.00E-09	1.19E-09	4.43E-09	3.89E-10	6.01E-09	1.35E-10	7.76E-10	9.25E-11	1.00E-09	1.23E-10	4.06E-10	2.80E-11	5.57E-10
3603	469473.87	3819073.58	1.46E-09	6.13E-09	5.52E-10	8.14E-09	1.22E-09	4.50E-09	3.96E-10	6.11E-09	1.38E-10	7.89E-10	9.41E-11	1.02E-09	1.25E-10	4.13E-10	2.85E-11	5.67E-10
3604	469477.68	3819064.84	1.49E-09	6.25E-09	5.63E-10	8.30E-09	1.24E-09	4.59E-09	4.04E-10	6.24E-09	1.41E-10	8.04E-10	9.60E-11	1.04E-09	1.28E-10	4.21E-10	2.90E-11	5.78E-10
3605	469500.55	3819012.41	1.69E-09	7.08E-09	6.37E-10	9.40E-09	1.40E-09	5.20E-09	4.57E-10	7.06E-09	1.59E-10	9.11E-10	1.09E-10	1.18E-09	1.45E-10	4.77E-10	3.29E-11	6.55E-10
3606	469504.36	3819003.67	1.72E-09	7.22E-09	6.50E-10	9.59E-09	1.43E-09	5.30E-09	4.67E-10	7.20E-09	1.62E-10	9.29E-10	1.11E-10	1.20E-09	1.48E-10	4.86E-10	3.35E-11	6.68E-10
3607	469508.17	3818994.93	1.75E-09	7.36E-09	6.63E-10	9.78E-09	1.46E-09	5.41E-09	4.76E-10	7.35E-09	1.66E-10	9.48E-10	1.13E-10	1.23E-09	1.50E-10	4.96E-10	3.42E-11	6.81E-10
3608	469511.98	3818986.2	1.79E-09	7.51E-09	6.76E-10	9.97E-09	1.49E-09	5.52E-09	4.85E-10	7.49E-09	1.69E-10	9.67E-10	1.15E-10	1.25E-09	1.53E-10	5.06E-10	3.49E-11	6.94E-10
3609	469515.79	3818977.46	1.83E-09	7.67E-09	6.91E-10	1.02E-08	1.52E-09	5.64E-09	4.96E-10	7.65E-09	1.72E-10	9.87E-10	1.18E-10	1.28E-09	1.57E-10	5.17E-10	3.56E-11	7.09E-10
3610	469519.6	3818968.72	1.86E-09	7.83E-09	7.05E-10	1.04E-08	1.55E-09	5.75E-09	5.06E-10	7.81E-09	1.76E-10	1.01E-09	1.20E-10	1.30E-09	1.60E-10	5.28E-10	3.64E-11	7.24E-10
3611	469523.41	3818959.98	1.90E-09	7.99E-09	7.19E-10	1.06E-08	1.58E-09	5.87E-09	5.16E-10	7.97E-09	1.80E-10	1.03E-09	1.23E-10	1.33E-09	1.63E-10	5.38E-10	3.71E-11	7.39E-10
3612	469527.23	3818951.24	1.94E-09	8.14E-09	7.33E-10	1.08E-08	1.62E-09	5.98E-09	5.26E-10	8.12E-09	1.83E-10	1.05E-09	1.25E-10	1.36E-09	1.66E-10	5.49E-10	3.78E-11	7.53E-10
3613	469531.04	3818942.51	1.98E-09	8.30E-09	7.47E-10	1.10E-08	1.65E-09	6.10E-09	5.36E-10	8.28E-09	1.87E-10	1.07E-09	1.27E-10	1.38E-09	1.70E-10	5.59E-10	3.85E-11	7.67E-10
3614	469534.85	3818933.77	2.01E-09	8.45E-09	7.61E-10	1.12E-08	1.68E-09	6.21E-09	5.46E-10	8.43E-09	1.90E-10	1.09E-09	1.30E-10	1.41E-09	1.73E-10	5.69E-10	3.93E-11	7.81E-10
3615	469538.66	3818925.03	2.05E-09	8.60E-09	7.74E-10	1.14E-08	1.71E-09	6.32E-09	5.56E-10	8.58E-09	1.93E-10	1.11E-09	1.32E-10	1.43E-09	1.76E-10	5.80E-10	3.99E-11	7.95E-10
3616	469607.25	3818767.74	2.50E-09	1.05E-08	9.44E-10	1.39E-08	2.08E-09	7.71E-09	6.78E-10	1.05E-08	2.36E-10	1.35E-09	1.61E-10	1.75E-09	2.14E-10	7.07E-10	4.87E-11	9.70E-10
3617	469611.06	3818759	2.51E-09	1.05E-08	9.49E-10	1.40E-08	2.09E-09	7.74E-09	6.81E-10	1.05E-08	2.37E-10	1.36E-09	1.62E-10	1.76E-09	2.15E-10	7.10E-10	4.90E-11	9.75E-10

3618	469614.87	3818750.27	2.52E-09	1.06E-08	9.53E-10	1.41E-08	2.10E-09	7.78E-09	6.84E-10	1.06E-08	2.38E-10	1.36E-09	1.63E-10	1.76E-09	2.16E-10	7.13E-10	4.92E-11	9.79E-10
3619	469618.68	3818741.53	2.53E-09	1.06E-08	9.57E-10	1.41E-08	2.11E-09	7.81E-09	6.87E-10	1.06E-08	2.39E-10	1.37E-09	1.63E-10	1.77E-09	2.17E-10	7.17E-10	4.94E-11	9.83E-10
3620	469631.36	3818729.28	2.60E-09	1.09E-08	9.84E-10	1.45E-08	2.17E-09	8.03E-09	7.07E-10	1.09E-08	2.46E-10	1.41E-09	1.68E-10	1.82E-09	2.23E-10	7.37E-10	5.08E-11	1.01E-09
3621	469640.22	3818725.77	2.66E-09	1.12E-08	1.01E-09	1.48E-08	2.22E-09	8.21E-09	7.23E-10	1.12E-08	2.51E-10	1.44E-09	1.72E-10	1.86E-09	2.29E-10	7.54E-10	5.19E-11	1.03E-09
3622	469649.08	3818722.26	2.72E-09	1.14E-08	1.03E-09	1.52E-08	2.27E-09	8.40E-09	7.39E-10	1.14E-08	2.57E-10	1.47E-09	1.76E-10	1.90E-09	2.34E-10	7.70E-10	5.31E-11	1.06E-09
3623	469657.95	3818718.75	2.78E-09	1.17E-08	1.05E-09	1.55E-08	2.32E-09	8.58E-09	7.54E-10	1.16E-08	2.62E-10	1.50E-09	1.79E-10	1.94E-09	2.39E-10	7.87E-10	5.42E-11	1.08E-09
3624	469666.81	3818715.24	2.84E-09	1.19E-08	1.07E-09	1.58E-08	2.36E-09	8.75E-09	7.70E-10	1.19E-08	2.68E-10	1.53E-09	1.83E-10	1.98E-09	2.44E-10	8.03E-10	5.54E-11	1.10E-09
3625	469675.67	3818711.73	2.89E-09	1.22E-08	1.09E-09	1.61E-08	2.41E-09	8.93E-09	7.86E-10	1.21E-08	2.73E-10	1.56E-09	1.87E-10	2.02E-09	2.48E-10	8.19E-10	5.65E-11	1.12E-09
3626	469711.13	3818697.69	3.11E-09	1.31E-08	1.18E-09	1.74E-08	2.59E-09	9.61E-09	8.45E-10	1.30E-08	2.94E-10	1.68E-09	2.01E-10	2.18E-09	2.67E-10	8.82E-10	6.08E-11	1.21E-09
3627	469719.99	3818694.18	3.17E-09	1.33E-08	1.20E-09	1.77E-08	2.64E-09	9.77E-09	8.59E-10	1.33E-08	2.99E-10	1.71E-09	2.04E-10	2.21E-09	2.72E-10	8.96E-10	6.18E-11	1.23E-09
3628	469728.85	3818690.67	3.22E-09	1.35E-08	1.22E-09	1.80E-08	2.68E-09	9.94E-09	8.74E-10	1.35E-08	3.04E-10	1.74E-09	2.08E-10	2.25E-09	2.76E-10	9.11E-10	6.28E-11	1.25E-09
3629	469737.72	3818687.15	3.27E-09	1.37E-08	1.24E-09	1.83E-08	2.73E-09	1.01E-08	8.88E-10	1.37E-08	3.09E-10	1.77E-09	2.11E-10	2.29E-09	2.81E-10	9.26E-10	6.39E-11	1.27E-09
3630	469746.58	3818683.64	3.32E-09	1.40E-08	1.26E-09	1.85E-08	2.77E-09	1.03E-08	9.02E-10	1.39E-08	3.14E-10	1.80E-09	2.14E-10	2.33E-09	2.85E-10	9.41E-10	6.49E-11	1.29E-09
3631	469755.44	3818680.13	3.37E-09	1.42E-08	1.28E-09	1.88E-08	2.81E-09	1.04E-08	9.15E-10	1.41E-08	3.18E-10	1.82E-09	2.17E-10	2.36E-09	2.89E-10	9.54E-10	6.58E-11	1.31E-09
3632	469764.31	3818676.62	3.42E-09	1.44E-08	1.29E-09	1.91E-08	2.85E-09	1.05E-08	9.28E-10	1.43E-08	3.23E-10	1.85E-09	2.20E-10	2.39E-09	2.93E-10	9.67E-10	6.67E-11	1.33E-09
3633	469773.17	3818673.11	3.46E-09	1.45E-08	1.31E-09	1.93E-08	2.88E-09	1.07E-08	9.40E-10	1.45E-08	3.27E-10	1.87E-09	2.23E-10	2.42E-09	2.97E-10	9.80E-10	6.76E-11	1.35E-09
3634	469782.03	3818669.6	3.51E-09	1.47E-08	1.33E-09	1.96E-08	2.92E-09	1.08E-08	9.53E-10	1.47E-08	3.31E-10	1.90E-09	2.26E-10	2.45E-09	3.01E-10	9.93E-10	6.85E-11	1.36E-09
3635	469790.9	3818666.09	3.55E-09	1.49E-08	1.34E-09	1.98E-08	2.96E-09	1.10E-08	9.64E-10	1.49E-08	3.35E-10	1.92E-09	2.29E-10	2.49E-09	3.05E-10	1.01E-09	6.93E-11	1.38E-09
3636	469799.76	3818662.58	3.60E-09	1.51E-08	1.36E-09	2.01E-08	2.99E-09	1.11E-08	9.76E-10	1.51E-08	3.40E-10	1.94E-09	2.32E-10	2.51E-09	3.09E-10	1.02E-09	7.02E-11	1.40E-09
3637	469808.62	3818659.07	3.63E-09	1.53E-08	1.37E-09	2.03E-08	3.03E-09	1.12E-08	9.87E-10	1.52E-08	3.43E-10	1.97E-09	2.34E-10	2.54E-09	3.12E-10	1.03E-09	7.09E-11	1.41E-09
3638	469817.48	3818655.56	3.68E-09	1.54E-08	1.39E-09	2.05E-08	3.06E-09	1.13E-08	9.98E-10	1.54E-08	3.47E-10	1.99E-09	2.37E-10	2.57E-09	3.16E-10	1.04E-09	7.18E-11	1.43E-09
3639	469826.35	3818652.05	3.72E-09	1.56E-08	1.41E-09	2.08E-08	3.10E-09	1.15E-08	1.01E-09	1.56E-08	3.51E-10	2.01E-09	2.40E-10	2.60E-09	3.19E-10	1.05E-09	7.26E-11	1.45E-09
3640	469835.21	3818648.54	3.76E-09	1.58E-08	1.42E-09	2.10E-08	3.13E-09	1.16E-08	1.02E-09	1.58E-08	3.55E-10	2.03E-09	2.43E-10	2.63E-09	3.23E-10	1.06E-09	7.34E-11	1.46E-09
3641	469844.07	3818645.03	3.80E-09	1.60E-08	1.44E-09	2.12E-08	3.16E-09	1.17E-08	1.03E-09	1.59E-08	3.59E-10	2.05E-09	2.45E-10	2.66E-09	3.26E-10	1.08E-09	7.41E-11	1.48E-09
3642	469852.94	3818641.52	3.84E-09	1.61E-08	1.45E-09	2.14E-08	3.20E-09	1.18E-08	1.04E-09	1.61E-08	3.62E-10	2.07E-09	2.47E-10	2.68E-09	3.29E-10	1.09E-09	7.48E-11	1.49E-09
3643	469861.8	3818638.01	3.87E-09	1.63E-08	1.46E-09	2.16E-08	3.23E-09	1.20E-08	1.05E-09	1.62E-08	3.66E-10	2.09E-09	2.50E-10	2.71E-09	3.32E-10	1.10E-09	7.56E-11	1.50E-09
3644	469870.66	3818634.5	3.91E-09	1.64E-08	1.48E-09	2.18E-08	3.26E-09	1.21E-08	1.06E-09	1.64E-08	3.69E-10	2.11E-09	2.52E-10	2.73E-09	3.36E-10	1.11E-09	7.63E-11	1.52E-09
3645	469879.53	3818630.99	3.94E-09	1.66E-08	1.49E-09	2.20E-08	3.28E-09	1.22E-08	1.07E-09	1.65E-08	3.72E-10	2.13E-09	2.54E-10	2.76E-09	3.38E-10	1.12E-09	7.69E-11	1.53E-09
3646	469888.39	3818627.48	3.97E-09	1.67E-08	1.50E-09	2.22E-08	3.31E-09	1.23E-08	1.08E-09	1.66E-08	3.75E-10	2.15E-09	2.56E-10	2.78E-09	3.41E-10	1.12E-09	7.75E-11	1.54E-09
3647	469897.25	3818623.97	4.00E-09	1.68E-08	1.51E-09	2.23E-08	3.33E-09	1.24E-08	1.09E-09	1.68E-08	3.78E-10	2.16E-09	2.58E-10	2.80E-09	3.44E-10	1.13E-09	7.81E-11	1.55E-09
3648	469906.12	3818620.46	4.04E-09	1.69E-08	1.53E-09	2.25E-08	3.36E-09	1.25E-08	1.10E-09	1.69E-08	3.81E-10	2.18E-09	2.60E-10	2.82E-09	3.46E-10	1.14E-09	7.87E-11	1.57E-09
3649	469914.98	3818616.95	4.07E-09	1.71E-08	1.54E-09	2.27E-08	3.39E-09	1.26E-08	1.10E-09	1.70E-08	3.84E-10	2.20E-09	2.62E-10	2.85E-09	3.49E-10	1.15E-09	7.94E-11	1.58E-09
3650	469959.3	3818599.4	4.19E-09	1.76E-08	1.59E-09	2.34E-08	3.49E-09	1.29E-08	1.14E-09	1.76E-08	3.96E-10	2.27E-09	2.70E-10	2.93E-09	3.60E-10	1.19E-09	8.18E-11	1.63E-09
3651	469968.16	3818595.89	4.22E-09	1.77E-08	1.60E-09	2.35E-08	3.51E-09	1.30E-08	1.15E-09	1.77E-08	3.98E-10	2.28E-09	2.72E-10	2.95E-09	3.62E-10	1.19E-09	8.23E-11	1.64E-09
3652	469977.02	3818592.38	4.25E-09	1.78E-08	1.61E-09	2.37E-08	3.54E-09	1.31E-08	1.15E-09	1.78E-08	4.01E-10	2.30E-09	2.74E-10	2.97E-09	3.65E-10	1.20E-09	8.29E-11	1.65E-09
3653	469985.88	3818588.86	4.28E-09	1.80E-08	1.62E-09	2.39E-08	3.56E-09	1.32E-08	1.16E-09	1.79E-08	4.04E-10	2.31E-09	2.76E-10	2.99E-09	3.67E-10	1.21E-09	8.35E-11	1.66E-09
3654	469994.75	3818585.35	4.30E-09	1.81E-08	1.63E-09	2.40E-08	3.58E-09	1.33E-08	1.17E-09	1.80E-08	4.06E-10	2.33E-09	2.78E-10	3.01E-09	3.69E-10	1.22E-09	8.40E-11	1.67E-09
3655	470003.61	3818581.84	4.33E-09	1.82E-08	1.64E-09	2.41E-08	3.60E-09	1.34E-08	1.17E-09	1.81E-08	4.09E-10	2.34E-09	2.79E-10	3.03E-09	3.71E-10	1.22E-09	8.44E-11	1.68E-09
3656	470012.47	3818578.33	4.35E-09	1.83E-08	1.65E-09	2.43E-08	3.63E-09	1.34E-08	1.18E-09	1.82E-08	4.11E-10	2.35E-09	2.81E-10	3.04E-09	3.74E-10	1.23E-09	8.49E-11	1.69E-09
3657	470021.34	3818574.82	4.38E-09	1.84E-08	1.66E-09	2.44E-08	3.65E-09	1.35E-08	1.19E-09	1.83E-08	4.13E-10	2.37E-09	2.82E-10	3.06E-09	3.76E-10	1.24E-09	8.54E-11	1.70E-09
3658	470030.2	3818571.31	4.40E-09	1.85E-08	1.66E-09	2.45E-08	3.66E-09	1.36E-08	1.19E-09	1.84E-08	4.15E-10	2.38E-09	2.84E-10	3.08E-09	3.78E-10	1.25E-09	8.58E-11	1.71E-09
3659	470039.06	3818567.8	4.42E-09	1.86E-08	1.67E-09	2.46E-08	3.68E-09	1.36E-08	1.20E-09	1.85E-08	4.17E-10	2.39E-09	2.85E-10	3.09E-09	3.79E-10	1.25E-09	8.62E-11	1.72E-09
3660	470047.93	3818564.29	4.43E-09	1.86E-08	1.68E-09	2.47E-08	3.69E-09	1.37E-08	1.20E-09	1.86E-08	4.19E-10	2.40E-09	2.86E-10	3.10E-09	3.81E-10	1.25E-09	8.65E-11	1.72E-09
3661	470056.79	3818560.78	4.45E-09	1.87E-08	1.68E-09	2.48E-08	3.70E-09	1.37E-08	1.21E-09	1.86E-08	4.20E-10	2.40E-09	2.87E-10	3.11E-09	3.82E-10	1.26E-09	8.68E-11	1.73E-09
3662	470065.65	3818557.27	4.46E-09	1.87E-08	1.69E-09	2.49E-08	3.71E-09	1.38E-08	1.21E-09	1.87E-08	4.21E-10	2.41E-09	2.88E-10	3.12E-09	3.83E-10	1.26E-09	8.70E-11	1.73E-09
3663	470074.52	3818553.76	4.47E-09	1.88E-08	1.69E-09	2.49E-08	3.72E-09	1.38E-08	1.21E-09	1.87E-08	4.22E-10	2.42E-09	2.88E-10	3.13E-09	3.84E-10	1.26E-09	8.72E-11	1.74E-09
3664	470083.38	3818550.25	4.47E-09	1.88E-08	1.69E-09	2.50E-08	3.73E-09	1.38E-08	1.21E-09	1.87E-08	4.22E-10	2.42E-09	2.89E-10	3.13E-09	3.84E-10	1.27E-09	8.73E-11	1.74E-09
3665	470092.24	3818546.74	4.47E-09	1.88E-08	1.69E-09	2.50E-08	3.73E-09	1.38E-08	1.21E-09	1.87E-08	4.22E-10	2.42E-09	2.89E-10	3.13E-09	3.84E-10	1.27E-09	8.73E-11	1.74E-09
3666	470101.11	3818543.23	4.47E-09	1.88E-08	1.69E-09	2.49E-08	3.72E-09	1.38E-08	1.21E-09	1.87E-08	4.22E-10	2.42E-09	2.88E-10	3.13E-09	3.84E-10	1.27E-09	8.72E-11	1.74E-09
3667	470109.97	3818539.72	4.46E-09	1.87E-08	1.69E-09	2.49E-08	3.71E-09	1.38E-08	1.21E-09	1.87E-08	4.21E-10	2.41E-09	2.88E-10	3.12E-09	3.83E-10	1.26E-09	8.70E-11	1.73E-09
3668	469408.7	3819241.42	1.33E-09	5.60E-09	5.05E-10	7.44E-09	1.11E-09	4.12E-09	3.62E-10	5.59E-09	1.26E-10	7.21E-10	8.61E-11	9.34E-10	1.15E-10	3.78E-10	2.60E-11	5.18E-10

3669	469408.51	3819251.07	1.36E-09	5.69E-09	5.12E-10	7.56E-09	1.13E-09	4.18E-09	3.68E-10	5.68E-09	1.28E-10	7.33E-10	8.74E-11	9.48E-10	1.16E-10	3.84E-10	2.64E-11	5.26E-10
3670	469408.32	3819260.72	1.37E-09	5.77E-09	5.20E-10	7.67E-09	1.15E-09	4.24E-09	3.73E-10	5.76E-09	1.30E-10	7.43E-10	8.87E-11	9.62E-10	1.18E-10	3.89E-10	2.68E-11	5.34E-10
3671	469408.12	3819270.37	1.40E-09	5.86E-09	5.28E-10	7.78E-09	1.16E-09	4.31E-09	3.79E-10	5.85E-09	1.32E-10	7.54E-10	9.00E-11	9.76E-10	1.20E-10	3.95E-10	2.72E-11	5.42E-10
3672	469407.93	3819280.02	1.42E-09	5.95E-09	5.36E-10	7.90E-09	1.18E-09	4.37E-09	3.85E-10	5.94E-09	1.34E-10	7.66E-10	9.14E-11	9.91E-10	1.22E-10	4.01E-10	2.76E-11	5.50E-10
3673	469407.74	3819289.66	1.44E-09	6.05E-09	5.45E-10	8.03E-09	1.20E-09	4.44E-09	3.91E-10	6.03E-09	1.36E-10	7.79E-10	9.29E-11	1.01E-09	1.24E-10	4.08E-10	2.81E-11	5.59E-10
3674	469407.54	3819299.31	1.46E-09	6.15E-09	5.54E-10	8.17E-09	1.22E-09	4.52E-09	3.97E-10	6.14E-09	1.38E-10	7.92E-10	9.44E-11	1.02E-09	1.26E-10	4.14E-10	2.86E-11	5.69E-10
3675	469407.35	3819308.96	1.49E-09	6.26E-09	5.63E-10	8.31E-09	1.24E-09	4.60E-09	4.04E-10	6.24E-09	1.41E-10	8.05E-10	9.61E-11	1.04E-09	1.28E-10	4.22E-10	2.91E-11	5.79E-10
3676	469407.16	3819318.61	1.52E-09	6.37E-09	5.73E-10	8.46E-09	1.26E-09	4.68E-09	4.12E-10	6.35E-09	1.43E-10	8.20E-10	9.78E-11	1.06E-09	1.30E-10	4.29E-10	2.96E-11	5.89E-10
3677	469406.97	3819328.26	1.55E-09	6.49E-09	5.84E-10	8.62E-09	1.29E-09	4.77E-09	4.19E-10	6.47E-09	1.46E-10	8.35E-10	9.97E-11	1.08E-09	1.33E-10	4.37E-10	3.01E-11	6.00E-10
3678	469406.77	3819337.91	1.57E-09	6.61E-09	5.96E-10	8.78E-09	1.31E-09	4.86E-09	4.27E-10	6.60E-09	1.49E-10	8.51E-10	1.02E-10	1.10E-09	1.35E-10	4.46E-10	3.07E-11	6.12E-10
3679	469406.58	3819347.55	1.61E-09	6.74E-09	6.07E-10	8.95E-09	1.34E-09	4.95E-09	4.36E-10	6.73E-09	1.52E-10	8.68E-10	1.04E-10	1.12E-09	1.38E-10	4.54E-10	3.13E-11	6.24E-10
3680	469406.39	3819357.2	1.64E-09	6.89E-09	6.21E-10	9.15E-09	1.37E-09	5.06E-09	4.46E-10	6.88E-09	1.55E-10	8.87E-10	1.06E-10	1.15E-09	1.41E-10	4.65E-10	3.20E-11	6.37E-10
3681	469406.19	3819366.85	1.68E-09	7.04E-09	6.34E-10	9.36E-09	1.40E-09	5.18E-09	4.55E-10	7.03E-09	1.58E-10	9.07E-10	1.08E-10	1.17E-09	1.44E-10	4.75E-10	3.27E-11	6.52E-10
3682	469406	3819376.5	1.72E-09	7.21E-09	6.49E-10	9.57E-09	1.43E-09	5.30E-09	4.66E-10	7.19E-09	1.62E-10	9.28E-10	1.11E-10	1.20E-09	1.47E-10	4.86E-10	3.35E-11	6.67E-10
3683	469405.81	3819386.15	1.75E-09	7.36E-09	6.63E-10	9.78E-09	1.46E-09	5.41E-09	4.76E-10	7.35E-09	1.66E-10	9.48E-10	1.13E-10	1.23E-09	1.51E-10	4.96E-10	3.42E-11	6.81E-10
3684	469405.61	3819395.79	1.79E-09	7.53E-09	6.78E-10	1.00E-08	1.49E-09	5.53E-09	4.86E-10	7.51E-09	1.69E-10	9.69E-10	1.16E-10	1.25E-09	1.54E-10	5.07E-10	3.50E-11	6.96E-10
3685	469405.42	3819405.44	1.83E-09	7.70E-09	6.93E-10	1.02E-08	1.53E-09	5.65E-09	4.97E-10	7.68E-09	1.73E-10	9.91E-10	1.18E-10	1.28E-09	1.57E-10	5.19E-10	3.58E-11	7.12E-10
3686	469405.23	3819415.09	1.88E-09	7.87E-09	7.09E-10	1.05E-08	1.56E-09	5.79E-09	5.09E-10	7.86E-09	1.77E-10	1.01E-09	1.21E-10	1.31E-09	1.61E-10	5.31E-10	3.66E-11	7.28E-10
3687	469405.03	3819424.74	1.92E-09	8.06E-09	7.26E-10	1.07E-08	1.60E-09	5.92E-09	5.21E-10	8.04E-09	1.81E-10	1.04E-09	1.24E-10	1.34E-09	1.65E-10	5.43E-10	3.74E-11	7.45E-10
3688	469404.84	3819434.39	1.97E-09	8.25E-09	7.43E-10	1.10E-08	1.64E-09	6.06E-09	5.33E-10	8.23E-09	1.86E-10	1.06E-09	1.27E-10	1.37E-09	1.69E-10	5.56E-10	3.83E-11	7.63E-10
3689	469375.13	3819114.99	1.06E-09	4.47E-09	4.02E-10	5.93E-09	8.86E-10	3.28E-09	2.89E-10	4.46E-09	1.00E-10	5.75E-10	6.86E-11	7.44E-10	9.13E-11	3.01E-10	2.08E-11	4.13E-10
3690	469378.97	3819106.2	1.07E-09	4.51E-09	4.06E-10	5.99E-09	8.95E-10	3.32E-09	2.92E-10	4.50E-09	1.01E-10	5.81E-10	6.93E-11	7.52E-10	9.22E-11	3.04E-10	2.10E-11	4.17E-10
3691	469382.8	3819097.4	1.09E-09	4.57E-09	4.11E-10	6.07E-09	9.06E-10	3.36E-09	2.95E-10	4.56E-09	1.03E-10	5.88E-10	7.01E-11	7.61E-10	9.34E-11	3.08E-10	2.12E-11	4.22E-10
3692	469386.64	3819088.61	1.10E-09	4.63E-09	4.17E-10	6.15E-09	9.18E-10	3.40E-09	2.99E-10	4.62E-09	1.04E-10	5.96E-10	7.11E-11	7.71E-10	9.46E-11	3.12E-10	2.15E-11	4.28E-10
3693	469390.47	3819079.81	1.12E-09	4.69E-09	4.23E-10	6.23E-09	9.31E-10	3.45E-09	3.03E-10	4.68E-09	1.06E-10	6.04E-10	7.21E-11	7.82E-10	9.60E-11	3.16E-10	2.18E-11	4.34E-10
3694	469394.31	3819071.02	1.13E-09	4.76E-09	4.28E-10	6.32E-09	9.43E-10	3.50E-09	3.07E-10	4.75E-09	1.07E-10	6.12E-10	7.31E-11	7.92E-10	9.72E-11	3.21E-10	2.21E-11	4.40E-10
3695	469398.14	3819062.22	1.15E-09	4.82E-09	4.34E-10	6.40E-09	9.56E-10	3.54E-09	3.12E-10	4.81E-09	1.08E-10	6.21E-10	7.40E-11	8.03E-10	9.85E-11	3.25E-10	2.24E-11	4.46E-10
3696	469401.98	3819053.43	1.17E-09	4.89E-09	4.41E-10	6.50E-09	9.70E-10	3.59E-09	3.16E-10	4.88E-09	1.10E-10	6.30E-10	7.51E-11	8.15E-10	1.00E-10	3.30E-10	2.27E-11	4.53E-10
3697	469405.81	3819044.63	1.18E-09	4.97E-09	4.48E-10	6.60E-09	9.86E-10	3.65E-09	3.21E-10	4.96E-09	1.12E-10	6.40E-10	7.63E-11	8.28E-10	1.02E-10	3.35E-10	2.31E-11	4.60E-10
3698	469409.65	3819035.84	1.21E-09	5.06E-09	4.56E-10	6.72E-09	1.00E-09	3.72E-09	3.27E-10	5.05E-09	1.14E-10	6.52E-10	7.78E-11	8.43E-10	1.03E-10	3.41E-10	2.35E-11	4.68E-10
3699	469413.48	3819027.05	1.23E-09	5.16E-09	4.65E-10	6.86E-09	1.02E-09	3.79E-09	3.34E-10	5.15E-09	1.16E-10	6.65E-10	7.93E-11	8.60E-10	1.06E-10	3.48E-10	2.40E-11	4.78E-10
3700	469417.32	3819018.25	1.25E-09	5.27E-09	4.74E-10	7.00E-09	1.04E-09	3.87E-09	3.40E-10	5.26E-09	1.18E-10	6.78E-10	8.09E-11	8.77E-10	1.08E-10	3.55E-10	2.45E-11	4.87E-10
3701	469421.16	3819009.46	1.28E-09	5.37E-09	4.84E-10	7.14E-09	1.07E-09	3.95E-09	3.47E-10	5.36E-09	1.21E-10	6.92E-10	8.25E-11	8.95E-10	1.10E-10	3.62E-10	2.50E-11	4.97E-10
3702	469424.99	3819000.66	1.31E-09	5.49E-09	4.94E-10	7.29E-09	1.09E-09	4.03E-09	3.55E-10	5.47E-09	1.23E-10	7.06E-10	8.43E-11	9.14E-10	1.12E-10	3.70E-10	2.55E-11	5.07E-10
3703	469428.83	3818991.87	1.33E-09	5.60E-09	5.04E-10	7.44E-09	1.11E-09	4.12E-09	3.62E-10	5.59E-09	1.26E-10	7.21E-10	8.60E-11	9.33E-10	1.15E-10	3.78E-10	2.60E-11	5.18E-10
3704	469432.66	3818983.07	1.36E-09	5.72E-09	5.15E-10	7.59E-09	1.13E-09	4.20E-09	3.70E-10	5.70E-09	1.29E-10	7.36E-10	8.78E-11	9.52E-10	1.17E-10	3.85E-10	2.66E-11	5.29E-10
3705	469436.5	3818974.28	1.39E-09	5.83E-09	5.25E-10	7.74E-09	1.16E-09	4.28E-09	3.77E-10	5.82E-09	1.31E-10	7.50E-10	8.95E-11	9.71E-10	1.19E-10	3.93E-10	2.71E-11	5.39E-10
3706	469440.33	3818965.48	1.41E-09	5.94E-09	5.35E-10	7.89E-09	1.18E-09	4.37E-09	3.84E-10	5.93E-09	1.34E-10	7.65E-10	9.13E-11	9.90E-10	1.21E-10	4.00E-10	2.76E-11	5.50E-10
3707	469444.17	3818956.69	1.44E-09	6.06E-09	5.46E-10	8.05E-09	1.20E-09	4.45E-09	3.92E-10	6.05E-09	1.36E-10	7.80E-10	9.31E-11	1.01E-09	1.24E-10	4.08E-10	2.82E-11	5.60E-10
3708	469448	3818947.89	1.47E-09	6.19E-09	5.57E-10	8.22E-09	1.23E-09	4.55E-09	4.00E-10	6.17E-09	1.39E-10	7.96E-10	9.50E-11	1.03E-09	1.26E-10	4.17E-10	2.87E-11	5.72E-10
3709	469451.84	3818939.1	1.50E-09	6.31E-09	5.69E-10	8.38E-09	1.25E-09	4.64E-09	4.08E-10	6.30E-09	1.42E-10	8.13E-10	9.70E-11	1.05E-09	1.29E-10	4.26E-10	2.93E-11	5.84E-10
3710	469455.67	3818930.31	1.53E-09	6.44E-09	5.80E-10	8.55E-09	1.28E-09	4.73E-09	4.16E-10	6.42E-09	1.45E-10	8.29E-10	9.89E-11	1.07E-09	1.32E-10	4.34E-10	2.99E-11	5.95E-10
3711	469459.51	3818921.51	1.56E-09	6.56E-09	5.91E-10	8.71E-09	1.30E-09	4.82E-09	4.24E-10	6.55E-09	1.48E-10	8.45E-10	1.01E-10	1.09E-09	1.34E-10	4.42E-10	3.05E-11	6.07E-10
3712	469463.35	3818912.72	1.59E-09	6.68E-09	6.02E-10	8.87E-09	1.33E-09	4.91E-09	4.32E-10	6.67E-09	1.50E-10	8.60E-10	1.03E-10	1.11E-09	1.37E-10	4.50E-10	3.10E-11	6.18E-10
3713	469467.18	3818903.92	1.62E-09	6.80E-09	6.13E-10	9.04E-09	1.35E-09	5.00E-09	4.40E-10	6.79E-09	1.53E-10	8.76E-10	1.04E-10	1.13E-09	1.39E-10	4.59E-10	3.16E-11	6.29E-10
3714	469471.02	3818895.13	1.65E-09	6.92E-09	6.23E-10	9.19E-09	1.37E-09	5.09E-09	4.47E-10	6.91E-09	1.56E-10	8.91E-10	1.06E-10	1.15E-09	1.41E-10	4.66E-10	3.22E-11	6.40E-10
3715	469474.85	3818886.33	1.67E-09	7.03E-09	6.33E-10	9.34E-09	1.40E-09	5.17E-09	4.55E-10	7.02E-09	1.58E-10	9.05E-10	1.08E-10	1.17E-09	1.44E-10	4.74E-10	3.27E-11	6.51E-10
3716	469478.69	3818877.54	1.70E-09	7.14E-09	6.43E-10	9.49E-09	1.42E-09	5.25E-09	4.62E-10	7.13E-09	1.61E-10	9.19E-10	1.10E-10	1.19E-09	1.46E-10	4.81E-10	3.32E-11	6.61E-10
3717	469482.52	3818868.74	1.73E-09	7.25E-09	6.53E-10	9.63E-09	1.44E-09	5.33E-09	4.69E-10	7.23E-09	1.63E-10	9.33E-10	1.11E-10	1.21E-09	1.48E-10	4.89E-10	3.37E-11	6.70E-10
3718	469547.72	3818719.24	2.04E-09	8.55E-09	7.70E-10	1.14E-08	1.70E-09	6.28E-09	5.52E-10	8.53E-09	1.92E-10	1.10E-09	1.31E-10	1.42E-09	1.75E-10	5.76E-10	3.97E-11	7.90E-10
3719	469551.56	3818710.44	2.05E-09	8.60E-09	7.74E-10	1.14E-08	1.71E-09	6.32E-09	5.56E-10	8.58E-09	1.93E-10	1.11E-09	1.32E-10	1.43E-09	1.76E-10	5.80E-10	3.99E-11	7.95E-10

3720	469555.39	3818701.65	2.06E-09	8.65E-09	7.79E-10	1.15E-08	1.72E-09	6.36E-09	5.59E-10	8.63E-09	1.95E-10	1.11E-09	1.33E-10	1.44E-09	1.77E-10	5.83E-10	4.02E-11	8.00E-10
3721	469559.23	3818692.85	2.07E-09	8.70E-09	7.83E-10	1.16E-08	1.73E-09	6.39E-09	5.62E-10	8.68E-09	1.96E-10	1.12E-09	1.34E-10	1.45E-09	1.78E-10	5.86E-10	4.04E-11	8.05E-10
3722	469563.07	3818684.06	2.08E-09	8.74E-09	7.87E-10	1.16E-08	1.73E-09	6.42E-09	5.65E-10	8.72E-09	1.97E-10	1.12E-09	1.34E-10	1.46E-09	1.79E-10	5.89E-10	4.06E-11	8.08E-10
3723	469575.82	3818671.73	2.13E-09	8.95E-09	8.06E-10	1.19E-08	1.78E-09	6.58E-09	5.78E-10	8.93E-09	2.01E-10	1.15E-09	1.37E-10	1.49E-09	1.83E-10	6.03E-10	4.16E-11	8.28E-10
3724	469584.74	3818668.2	2.17E-09	9.13E-09	8.22E-10	1.21E-08	1.81E-09	6.71E-09	5.90E-10	9.11E-09	2.05E-10	1.18E-09	1.40E-10	1.52E-09	1.87E-10	6.15E-10	4.24E-11	8.45E-10
3725	469593.66	3818664.66	2.22E-09	9.31E-09	8.39E-10	1.24E-08	1.85E-09	6.84E-09	6.02E-10	9.29E-09	2.09E-10	1.20E-09	1.43E-10	1.55E-09	1.90E-10	6.28E-10	4.33E-11	8.61E-10
3726	469602.58	3818661.13	2.26E-09	9.50E-09	8.55E-10	1.26E-08	1.88E-09	6.98E-09	6.14E-10	9.48E-09	2.14E-10	1.22E-09	1.46E-10	1.58E-09	1.94E-10	6.40E-10	4.41E-11	8.79E-10
3727	469611.5	3818657.6	2.31E-09	9.69E-09	8.72E-10	1.29E-08	1.92E-09	7.12E-09	6.26E-10	9.67E-09	2.18E-10	1.25E-09	1.49E-10	1.61E-09	1.98E-10	6.53E-10	4.50E-11	8.96E-10
3728	469620.42	3818654.07	2.35E-09	9.87E-09	8.89E-10	1.31E-08	1.96E-09	7.25E-09	6.38E-10	9.85E-09	2.22E-10	1.27E-09	1.52E-10	1.64E-09	2.02E-10	6.65E-10	4.59E-11	9.13E-10
3729	469629.34	3818650.53	2.39E-09	1.01E-08	9.05E-10	1.34E-08	1.99E-09	7.39E-09	6.50E-10	1.00E-08	2.26E-10	1.29E-09	1.54E-10	1.67E-09	2.06E-10	6.78E-10	4.67E-11	9.30E-10
3730	469638.26	3818647	2.44E-09	1.02E-08	9.21E-10	1.36E-08	2.03E-09	7.52E-09	6.61E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.70E-09	2.09E-10	6.90E-10	4.75E-11	9.46E-10
3731	469647.18	3818643.47	2.48E-09	1.04E-08	9.37E-10	1.38E-08	2.06E-09	7.64E-09	6.73E-10	1.04E-08	2.34E-10	1.34E-09	1.60E-10	1.73E-09	2.13E-10	7.01E-10	4.83E-11	9.62E-10
3732	469656.1	3818639.93	2.52E-09	1.06E-08	9.52E-10	1.40E-08	2.10E-09	7.77E-09	6.84E-10	1.06E-08	2.38E-10	1.36E-09	1.62E-10	1.76E-09	2.16E-10	7.13E-10	4.91E-11	9.78E-10
3733	469665.02	3818636.4	2.56E-09	1.07E-08	9.67E-10	1.43E-08	2.13E-09	7.89E-09	6.94E-10	1.07E-08	2.42E-10	1.38E-09	1.65E-10	1.79E-09	2.20E-10	7.24E-10	4.99E-11	9.93E-10
3734	469673.94	3818632.87	2.60E-09	1.09E-08	9.82E-10	1.45E-08	2.16E-09	8.01E-09	7.05E-10	1.09E-08	2.45E-10	1.40E-09	1.67E-10	1.82E-09	2.23E-10	7.35E-10	5.07E-11	1.01E-09
3735	469709.63	3818618.74	2.74E-09	1.15E-08	1.04E-09	1.53E-08	2.29E-09	8.47E-09	7.45E-10	1.15E-08	2.59E-10	1.48E-09	1.77E-10	1.92E-09	2.36E-10	7.77E-10	5.36E-11	1.07E-09
3736	469718.55	3818615.2	2.78E-09	1.17E-08	1.05E-09	1.55E-08	2.32E-09	8.58E-09	7.55E-10	1.17E-08	2.63E-10	1.50E-09	1.79E-10	1.95E-09	2.39E-10	7.87E-10	5.43E-11	1.08E-09
3737	469727.47	3818611.67	2.82E-09	1.18E-08	1.06E-09	1.57E-08	2.34E-09	8.69E-09	7.64E-10	1.18E-08	2.66E-10	1.52E-09	1.82E-10	1.97E-09	2.42E-10	7.97E-10	5.49E-11	1.09E-09
3738	469780.99	3818590.47	3.01E-09	1.26E-08	1.14E-09	1.68E-08	2.51E-09	9.29E-09	8.18E-10	1.26E-08	2.84E-10	1.63E-09	1.94E-10	2.11E-09	2.59E-10	8.53E-10	5.88E-11	1.17E-09
3739	469789.91	3818586.94	3.04E-09	1.28E-08	1.15E-09	1.70E-08	2.53E-09	9.38E-09	8.25E-10	1.27E-08	2.87E-10	1.64E-09	1.96E-10	2.13E-09	2.61E-10	8.61E-10	5.93E-11	1.18E-09
3740	469798.83	3818583.41	3.07E-09	1.29E-08	1.16E-09	1.71E-08	2.56E-09	9.47E-09	8.33E-10	1.29E-08	2.90E-10	1.66E-09	1.98E-10	2.15E-09	2.64E-10	8.69E-10	5.99E-11	1.19E-09
3741	469807.75	3818579.87	3.10E-09	1.30E-08	1.17E-09	1.73E-08	2.58E-09	9.57E-09	8.42E-10	1.30E-08	2.93E-10	1.68E-09	2.00E-10	2.17E-09	2.66E-10	8.78E-10	6.05E-11	1.20E-09
3742	469816.67	3818576.34	3.13E-09	1.31E-08	1.18E-09	1.75E-08	2.61E-09	9.65E-09	8.49E-10	1.31E-08	2.95E-10	1.69E-09	2.02E-10	2.19E-09	2.69E-10	8.86E-10	6.10E-11	1.22E-09
3743	469825.59	3818572.81	3.16E-09	1.33E-08	1.19E-09	1.76E-08	2.63E-09	9.74E-09	8.57E-10	1.32E-08	2.98E-10	1.71E-09	2.04E-10	2.21E-09	2.71E-10	8.93E-10	6.16E-11	1.23E-09
3744	469834.51	3818569.27	3.18E-09	1.34E-08	1.20E-09	1.77E-08	2.65E-09	9.82E-09	8.64E-10	1.33E-08	3.00E-10	1.72E-09	2.05E-10	2.23E-09	2.73E-10	9.01E-10	6.21E-11	1.24E-09
3745	469843.43	3818565.74	3.21E-09	1.35E-08	1.21E-09	1.79E-08	2.67E-09	9.90E-09	8.71E-10	1.34E-08	3.03E-10	1.73E-09	2.07E-10	2.24E-09	2.75E-10	9.08E-10	6.26E-11	1.25E-09
3746	469852.35	3818562.21	3.23E-09	1.36E-08	1.22E-09	1.80E-08	2.69E-09	9.97E-09	8.77E-10	1.35E-08	3.05E-10	1.75E-09	2.08E-10	2.26E-09	2.77E-10	9.15E-10	6.31E-11	1.26E-09
3747	469861.27	3818558.67	3.25E-09	1.37E-08	1.23E-09	1.82E-08	2.71E-09	1.00E-08	8.84E-10	1.36E-08	3.07E-10	1.76E-09	2.10E-10	2.28E-09	2.79E-10	9.21E-10	6.35E-11	1.26E-09
3748	469870.19	3818555.14	3.28E-09	1.38E-08	1.24E-09	1.83E-08	2.73E-09	1.01E-08	8.90E-10	1.37E-08	3.09E-10	1.77E-09	2.11E-10	2.29E-09	2.81E-10	9.28E-10	6.40E-11	1.27E-09
3749	469879.11	3818551.61	3.30E-09	1.39E-08	1.25E-09	1.84E-08	2.75E-09	1.02E-08	8.96E-10	1.38E-08	3.12E-10	1.78E-09	2.13E-10	2.31E-09	2.83E-10	9.34E-10	6.44E-11	1.28E-09
3750	469888.03	3818548.08	3.32E-09	1.40E-08	1.26E-09	1.85E-08	2.77E-09	1.03E-08	9.02E-10	1.39E-08	3.14E-10	1.80E-09	2.14E-10	2.32E-09	2.85E-10	9.41E-10	6.48E-11	1.29E-09
3751	469896.95	3818544.54	3.34E-09	1.40E-08	1.26E-09	1.86E-08	2.78E-09	1.03E-08	9.07E-10	1.40E-08	3.16E-10	1.81E-09	2.16E-10	2.34E-09	2.87E-10	9.46E-10	6.52E-11	1.30E-09
3752	469905.87	3818541.01	3.36E-09	1.41E-08	1.27E-09	1.87E-08	2.80E-09	1.04E-08	9.12E-10	1.41E-08	3.17E-10	1.82E-09	2.17E-10	2.35E-09	2.88E-10	9.51E-10	6.56E-11	1.31E-09
3753	469914.79	3818537.48	3.38E-09	1.42E-08	1.28E-09	1.88E-08	2.81E-09	1.04E-08	9.17E-10	1.42E-08	3.19E-10	1.83E-09	2.18E-10	2.36E-09	2.90E-10	9.56E-10	6.59E-11	1.31E-09
3754	469959.4	3818519.81	3.47E-09	1.46E-08	1.31E-09	1.94E-08	2.89E-09	1.07E-08	9.42E-10	1.45E-08	3.28E-10	1.88E-09	2.24E-10	2.43E-09	2.98E-10	9.82E-10	6.77E-11	1.35E-09
3755	469968.32	3818516.28	3.49E-09	1.47E-08	1.32E-09	1.95E-08	2.91E-09	1.08E-08	9.47E-10	1.46E-08	3.30E-10	1.89E-09	2.25E-10	2.44E-09	3.00E-10	9.88E-10	6.81E-11	1.36E-09
3756	469977.24	3818512.75	3.51E-09	1.47E-08	1.33E-09	1.96E-08	2.92E-09	1.08E-08	9.53E-10	1.47E-08	3.32E-10	1.90E-09	2.26E-10	2.46E-09	3.01E-10	9.94E-10	6.85E-11	1.36E-09
3757	469986.16	3818509.21	3.53E-09	1.48E-08	1.34E-09	1.97E-08	2.94E-09	1.09E-08	9.59E-10	1.48E-08	3.34E-10	1.91E-09	2.28E-10	2.47E-09	3.03E-10	1.00E-09	6.90E-11	1.37E-09
3758	469995.08	3818505.68	3.55E-09	1.49E-08	1.34E-09	1.98E-08	2.96E-09	1.10E-08	9.65E-10	1.49E-08	3.36E-10	1.92E-09	2.29E-10	2.49E-09	3.05E-10	1.01E-09	6.94E-11	1.38E-09
3759	470004	3818502.15	3.57E-09	1.50E-08	1.35E-09	1.99E-08	2.97E-09	1.10E-08	9.69E-10	1.50E-08	3.37E-10	1.93E-09	2.30E-10	2.50E-09	3.07E-10	1.01E-09	6.97E-11	1.39E-09
3760	470012.92	3818498.61	3.59E-09	1.51E-08	1.36E-09	2.00E-08	2.99E-09	1.11E-08	9.74E-10	1.50E-08	3.39E-10	1.94E-09	2.31E-10	2.51E-09	3.08E-10	1.02E-09	7.00E-11	1.39E-09
3761	470021.84	3818495.08	3.60E-09	1.51E-08	1.36E-09	2.01E-08	3.00E-09	1.11E-08	9.78E-10	1.51E-08	3.40E-10	1.95E-09	2.32E-10	2.52E-09	3.09E-10	1.02E-09	7.03E-11	1.40E-09
3762	470030.76	3818491.55	3.62E-09	1.52E-08	1.37E-09	2.02E-08	3.01E-09	1.12E-08	9.82E-10	1.52E-08	3.42E-10	1.96E-09	2.33E-10	2.53E-09	3.11E-10	1.02E-09	7.06E-11	1.41E-09
3763	470039.68	3818488.01	3.63E-09	1.53E-08	1.37E-09	2.03E-08	3.03E-09	1.12E-08	9.86E-10	1.52E-08	3.43E-10	1.96E-09	2.34E-10	2.54E-09	3.12E-10	1.03E-09	7.09E-11	1.41E-09
3764	470048.6	3818484.48	3.65E-09	1.53E-08	1.38E-09	2.03E-08	3.04E-09	1.13E-08	9.90E-10	1.53E-08	3.44E-10	1.97E-09	2.35E-10	2.55E-09	3.13E-10	1.03E-09	7.12E-11	1.42E-09
3765	470057.52	3818480.95	3.66E-09	1.54E-08	1.39E-09	2.04E-08	3.05E-09	1.13E-08	9.94E-10	1.53E-08	3.46E-10	1.98E-09	2.36E-10	2.56E-09	3.14E-10	1.04E-09	7.15E-11	1.42E-09
3766	470066.44	3818477.42	3.68E-09	1.54E-08	1.39E-09	2.05E-08	3.06E-09	1.13E-08	9.98E-10	1.54E-08	3.47E-10	1.99E-09	2.37E-10	2.57E-09	3.16E-10	1.04E-09	7.17E-11	1.43E-09
3767	470075.36	3818473.88	3.69E-09	1.55E-08	1.39E-09	2.06E-08	3.07E-09	1.14E-08	1.00E-09	1.55E-08	3.48E-10	1.99E-09	2.38E-10	2.58E-09	3.17E-10	1.04E-09	7.20E-11	1.43E-09
3768	470084.28	3818470.35	3.69E-09	1.55E-08	1.40E-09	2.06E-08	3.08E-09	1.14E-08	1.00E-09	1.55E-08	3.49E-10	2.00E-09	2.38E-10	2.58E-09	3.17E-10	1.05E-09	7.21E-11	1.43E-09
3769	470093.2	3818466.82	3.69E-09	1.55E-08	1.40E-09	2.06E-08	3.08E-09	1.14E-08	1.00E-09	1.55E-08	3.49E-10	2.00E-09	2.38E-10	2.58E-09	3.17E-10	1.05E-09	7.21E-11	1.43E-09
3770	470102.12	3818463.28	3.69E-09	1.55E-08	1.40E-09	2.06E-08	3.07E-09	1.14E-08	1.00E-09	1.55E-08	3.49E-10	2.00E-09	2.38E-10	2.58E-09	3.17E-10	1.04E-09	7.20E-11	1.43E-09

3771	469328.72	3819239.82	1.09E-09	4.56E-09	4.11E-10	6.06E-09	9.05E-10	3.35E-09	2.95E-10	4.55E-09	1.03E-10	5.88E-10	7.01E-11	7.60E-10	9.33E-11	3.08E-10	2.12E-11	4.22E-10
3772	469328.53	3819249.47	1.10E-09	4.62E-09	4.16E-10	6.14E-09	9.17E-10	3.40E-09	2.99E-10	4.61E-09	1.04E-10	5.95E-10	7.10E-11	7.70E-10	9.45E-11	3.12E-10	2.15E-11	4.27E-10
3773	469328.33	3819259.12	1.12E-09	4.69E-09	4.22E-10	6.22E-09	9.29E-10	3.44E-09	3.03E-10	4.67E-09	1.05E-10	6.03E-10	7.20E-11	7.80E-10	9.58E-11	3.16E-10	2.18E-11	4.33E-10
3774	469328.14	3819268.77	1.13E-09	4.75E-09	4.28E-10	6.31E-09	9.42E-10	3.49E-09	3.07E-10	4.74E-09	1.07E-10	6.12E-10	7.30E-11	7.91E-10	9.71E-11	3.20E-10	2.21E-11	4.39E-10
3775	469327.95	3819278.41	1.15E-09	4.82E-09	4.34E-10	6.41E-09	9.57E-10	3.54E-09	3.12E-10	4.81E-09	1.08E-10	6.21E-10	7.41E-11	8.03E-10	9.86E-11	3.25E-10	2.24E-11	4.46E-10
3776	469327.75	3819288.06	1.17E-09	4.90E-09	4.41E-10	6.51E-09	9.72E-10	3.60E-09	3.17E-10	4.89E-09	1.10E-10	6.31E-10	7.52E-11	8.16E-10	1.00E-10	3.30E-10	2.28E-11	4.53E-10
3777	469327.56	3819297.71	1.19E-09	4.98E-09	4.49E-10	6.62E-09	9.88E-10	3.66E-09	3.22E-10	4.97E-09	1.12E-10	6.41E-10	7.65E-11	8.30E-10	1.02E-10	3.36E-10	2.31E-11	4.61E-10
3778	469327.37	3819307.36	1.21E-09	5.07E-09	4.56E-10	6.73E-09	1.01E-09	3.72E-09	3.28E-10	5.06E-09	1.14E-10	6.52E-10	7.78E-11	8.44E-10	1.04E-10	3.42E-10	2.35E-11	4.69E-10
3779	469327.17	3819317.01	1.23E-09	5.16E-09	4.64E-10	6.85E-09	1.02E-09	3.79E-09	3.33E-10	5.15E-09	1.16E-10	6.64E-10	7.92E-11	8.59E-10	1.05E-10	3.48E-10	2.40E-11	4.77E-10
3780	469326.98	3819326.66	1.25E-09	5.25E-09	4.73E-10	6.97E-09	1.04E-09	3.86E-09	3.39E-10	5.24E-09	1.18E-10	6.75E-10	8.06E-11	8.74E-10	1.07E-10	3.54E-10	2.44E-11	4.85E-10
3781	469326.79	3819336.3	1.27E-09	5.34E-09	4.81E-10	7.09E-09	1.06E-09	3.92E-09	3.45E-10	5.33E-09	1.20E-10	6.87E-10	8.20E-11	8.89E-10	1.09E-10	3.60E-10	2.48E-11	4.94E-10
3782	469326.59	3819345.95	1.29E-09	5.43E-09	4.89E-10	7.22E-09	1.08E-09	3.99E-09	3.51E-10	5.42E-09	1.22E-10	7.00E-10	8.35E-11	9.05E-10	1.11E-10	3.66E-10	2.52E-11	5.03E-10
3783	469326.4	3819355.6	1.32E-09	5.53E-09	4.98E-10	7.35E-09	1.10E-09	4.07E-09	3.58E-10	5.52E-09	1.24E-10	7.12E-10	8.50E-11	9.22E-10	1.13E-10	3.73E-10	2.57E-11	5.12E-10
3784	469326.21	3819365.25	1.34E-09	5.64E-09	5.08E-10	7.49E-09	1.12E-09	4.14E-09	3.64E-10	5.62E-09	1.27E-10	7.25E-10	8.66E-11	9.39E-10	1.15E-10	3.80E-10	2.62E-11	5.21E-10
3785	469326.02	3819374.9	1.37E-09	5.74E-09	5.17E-10	7.62E-09	1.14E-09	4.22E-09	3.71E-10	5.73E-09	1.29E-10	7.39E-10	8.82E-11	9.56E-10	1.17E-10	3.87E-10	2.67E-11	5.31E-10
3786	469325.82	3819384.54	1.39E-09	5.85E-09	5.27E-10	7.77E-09	1.16E-09	4.30E-09	3.78E-10	5.84E-09	1.32E-10	7.53E-10	8.99E-11	9.75E-10	1.20E-10	3.94E-10	2.72E-11	5.41E-10
3787	469325.63	3819394.19	1.42E-09	5.97E-09	5.37E-10	7.93E-09	1.18E-09	4.38E-09	3.86E-10	5.95E-09	1.34E-10	7.68E-10	9.16E-11	9.94E-10	1.22E-10	4.02E-10	2.77E-11	5.52E-10
3788	469325.44	3819403.84	1.45E-09	6.09E-09	5.48E-10	8.08E-09	1.21E-09	4.47E-09	3.93E-10	6.07E-09	1.37E-10	7.83E-10	9.35E-11	1.01E-09	1.24E-10	4.10E-10	2.83E-11	5.63E-10
3789	469325.24	3819413.49	1.48E-09	6.21E-09	5.59E-10	8.25E-09	1.23E-09	4.56E-09	4.01E-10	6.20E-09	1.40E-10	7.99E-10	9.54E-11	1.03E-09	1.27E-10	4.19E-10	2.89E-11	5.74E-10
3790	469325.05	3819423.14	1.51E-09	6.34E-09	5.71E-10	8.42E-09	1.26E-09	4.66E-09	4.10E-10	6.32E-09	1.43E-10	8.16E-10	9.74E-11	1.06E-09	1.30E-10	4.27E-10	2.95E-11	5.86E-10
3791	469324.86	3819432.79	1.54E-09	6.47E-09	5.83E-10	8.60E-09	1.28E-09	4.76E-09	4.19E-10	6.46E-09	1.46E-10	8.33E-10	9.94E-11	1.08E-09	1.32E-10	4.36E-10	3.01E-11	5.99E-10
3792	469295.39	3819112.83	8.58E-10	3.60E-09	3.24E-10	4.78E-09	7.14E-10	2.65E-09	2.33E-10	3.59E-09	8.10E-11	4.64E-10	5.53E-11	6.00E-10	7.36E-11	2.43E-10	1.67E-11	3.33E-10
3793	469299.25	3819103.99	8.62E-10	3.62E-09	3.26E-10	4.81E-09	7.18E-10	2.66E-09	2.34E-10	3.61E-09	8.14E-11	4.66E-10	5.56E-11	6.03E-10	7.40E-11	2.44E-10	1.68E-11	3.35E-10
3794	469303.1	3819095.15	8.70E-10	3.65E-09	3.29E-10	4.85E-09	7.25E-10	2.68E-09	2.36E-10	3.65E-09	8.22E-11	4.70E-10	5.61E-11	6.09E-10	7.47E-11	2.46E-10	1.70E-11	3.38E-10
3795	469306.96	3819086.31	8.79E-10	3.69E-09	3.32E-10	4.90E-09	7.32E-10	2.71E-09	2.39E-10	3.68E-09	8.30E-11	4.75E-10	5.67E-11	6.15E-10	7.54E-11	2.49E-10	1.71E-11	3.41E-10
3796	469310.81	3819077.47	8.88E-10	3.73E-09	3.36E-10	4.95E-09	7.39E-10	2.74E-09	2.41E-10	3.72E-09	8.38E-11	4.80E-10	5.73E-11	6.21E-10	7.62E-11	2.51E-10	1.73E-11	3.45E-10
3797	469314.67	3819068.63	8.99E-10	3.77E-09	3.40E-10	5.01E-09	7.49E-10	2.77E-09	2.44E-10	3.77E-09	8.49E-11	4.86E-10	5.80E-11	6.29E-10	7.72E-11	2.54E-10	1.75E-11	3.49E-10
3798	469318.52	3819059.79	9.10E-10	3.82E-09	3.44E-10	5.08E-09	7.58E-10	2.81E-09	2.47E-10	3.82E-09	8.60E-11	4.92E-10	5.87E-11	6.37E-10	7.82E-11	2.58E-10	1.78E-11	3.54E-10
3799	469322.38	3819050.95	9.23E-10	3.88E-09	3.49E-10	5.15E-09	7.69E-10	2.85E-09	2.51E-10	3.87E-09	8.72E-11	4.99E-10	5.96E-11	6.46E-10	7.93E-11	2.61E-10	1.80E-11	3.59E-10
3800	469326.24	3819042.1	9.37E-10	3.94E-09	3.54E-10	5.23E-09	7.81E-10	2.89E-09	2.54E-10	3.93E-09	8.85E-11	5.07E-10	6.05E-11	6.56E-10	8.05E-11	2.65E-10	1.83E-11	3.64E-10
3801	469330.09	3819033.26	9.52E-10	4.00E-09	3.60E-10	5.31E-09	7.93E-10	2.94E-09	2.59E-10	3.99E-09	8.99E-11	5.15E-10	6.14E-11	6.66E-10	8.18E-11	2.70E-10	1.86E-11	3.70E-10
3802	469333.95	3819024.42	9.68E-10	4.07E-09	3.66E-10	5.40E-09	8.06E-10	2.99E-09	2.63E-10	4.06E-09	9.14E-11	5.23E-10	6.24E-11	6.77E-10	8.31E-11	2.74E-10	1.89E-11	3.76E-10
3803	469337.8	3819015.58	9.85E-10	4.14E-09	3.73E-10	5.50E-09	8.21E-10	3.04E-09	2.67E-10	4.13E-09	9.30E-11	5.33E-10	6.35E-11	6.89E-10	8.46E-11	2.79E-10	1.92E-11	3.83E-10
3804	469341.66	3819006.74	1.00E-09	4.20E-09	3.78E-10	5.58E-09	8.33E-10	3.09E-09	2.72E-10	4.19E-09	9.45E-11	5.41E-10	6.45E-11	7.00E-10	8.59E-11	2.83E-10	1.95E-11	3.89E-10
3805	469345.51	3818997.9	1.02E-09	4.27E-09	3.85E-10	5.67E-09	8.47E-10	3.14E-09	2.76E-10	4.26E-09	9.60E-11	5.50E-10	6.56E-11	7.11E-10	8.73E-11	2.88E-10	1.98E-11	3.95E-10
3806	469349.37	3818989.06	1.03E-09	4.35E-09	3.91E-10	5.77E-09	8.62E-10	3.19E-09	2.81E-10	4.34E-09	9.77E-11	5.59E-10	6.67E-11	7.24E-10	8.88E-11	2.93E-10	2.02E-11	4.02E-10
3807	469353.22	3818980.22	1.05E-09	4.43E-09	3.99E-10	5.88E-09	8.78E-10	3.25E-09	2.86E-10	4.42E-09	9.96E-11	5.70E-10	6.80E-11	7.38E-10	9.05E-11	2.99E-10	2.06E-11	4.10E-10
3808	469357.08	3818971.38	1.08E-09	4.52E-09	4.07E-10	6.00E-09	8.96E-10	3.32E-09	2.92E-10	4.51E-09	1.02E-10	5.82E-10	6.94E-11	7.53E-10	9.24E-11	3.05E-10	2.10E-11	4.18E-10
3809	469360.94	3818962.54	1.10E-09	4.61E-09	4.15E-10	6.12E-09	9.14E-10	3.39E-09	2.98E-10	4.60E-09	1.04E-10	5.93E-10	7.08E-11	7.68E-10	9.42E-11	3.11E-10	2.14E-11	4.26E-10
3810	469364.79	3818953.69	1.12E-09	4.71E-09	4.24E-10	6.25E-09	9.33E-10	3.46E-09	3.04E-10	4.69E-09	1.06E-10	6.06E-10	7.23E-11	7.84E-10	9.62E-11	3.17E-10	2.19E-11	4.35E-10
3811	469368.65	3818944.85	1.14E-09	4.80E-09	4.33E-10	6.38E-09	9.53E-10	3.53E-09	3.10E-10	4.79E-09	1.08E-10	6.18E-10	7.38E-11	8.00E-10	9.82E-11	3.24E-10	2.23E-11	4.44E-10
3812	469372.5	3818936.01	1.17E-09	4.90E-09	4.41E-10	6.51E-09	9.72E-10	3.60E-09	3.17E-10	4.89E-09	1.10E-10	6.31E-10	7.53E-11	8.16E-10	1.00E-10	3.30E-10	2.28E-11	4.53E-10
3813	469376.36	3818927.17	1.19E-09	5.00E-09	4.50E-10	6.64E-09	9.92E-10	3.68E-09	3.23E-10	4.99E-09	1.12E-10	6.44E-10	7.68E-11	8.33E-10	1.02E-10	3.37E-10	2.32E-11	4.63E-10
3814	469380.21	3818918.33	1.21E-09	5.10E-09	4.59E-10	6.77E-09	1.01E-09	3.75E-09	3.29E-10	5.09E-09	1.15E-10	6.56E-10	7.83E-11	8.49E-10	1.04E-10	3.44E-10	2.37E-11	4.71E-10
3815	469384.07	3818909.49	1.24E-09	5.20E-09	4.68E-10	6.90E-09	1.03E-09	3.82E-09	3.36E-10	5.18E-09	1.17E-10	6.69E-10	7.98E-11	8.65E-10	1.06E-10	3.50E-10	2.41E-11	4.80E-10
3816	469387.93	3818900.65	1.26E-09	5.29E-09	4.76E-10	7.03E-09	1.05E-09	3.89E-09	3.42E-10	5.28E-09	1.19E-10	6.81E-10	8.13E-11	8.81E-10	1.08E-10	3.57E-10	2.46E-11	4.89E-10
3817	469391.78	3818891.81	1.28E-09	5.39E-09	4.85E-10	7.16E-09	1.07E-09	3.96E-09	3.48E-10	5.38E-09	1.21E-10	6.94E-10	8.28E-11	8.98E-10	1.10E-10	3.63E-10	2.50E-11	4.99E-10
3818	469395.64	3818882.97	1.31E-09	5.49E-09	4.95E-10	7.29E-09	1.09E-09	4.04E-09	3.55E-10	5.48E-09	1.23E-10	7.07E-10	8.43E-11	9.15E-10	1.12E-10	3.70E-10	2.55E-11	5.08E-10
3819	469399.49	3818874.13	1.33E-09	5.59E-09	5.03E-10	7.42E-09	1.11E-09	4.11E-09	3.61E-10	5.58E-09	1.26E-10	7.20E-10	8.59E-11	9.31E-10	1.14E-10	3.77E-10	2.60E-11	5.17E-10
3820	469403.35	3818865.28	1.35E-09	5.69E-09	5.12E-10	7.55E-09	1.13E-09	4.18E-09	3.68E-10	5.68E-09	1.28E-10	7.32E-10	8.74E-11	9.47E-10	1.16E-10	3.83E-10	2.64E-11	5.26E-10
3821	469407.2	3818856.44	1.38E-09	5.78E-09	5.21E-10	7.68E-09	1.15E-09	4.25E-09	3.74E-10	5.77E-09	1.30E-10	7.44E-10	8.88E-11	9.63E-10	1.18E-10	3.90E-10	2.69E-11	5.35E-10

3822	469411.06	3818847.6	1.40E-09	5.87E-09	5.28E-10	7.79E-09	1.16E-09	4.31E-09	3.79E-10	5.85E-09	1.32E-10	7.55E-10	9.01E-11	9.77E-10	1.20E-10	3.95E-10	2.73E-11	5.43E-10
3823	469414.91	3818838.76	1.42E-09	5.95E-09	5.36E-10	7.91E-09	1.18E-09	4.37E-09	3.85E-10	5.94E-09	1.34E-10	7.66E-10	9.14E-11	9.92E-10	1.22E-10	4.01E-10	2.77E-11	5.51E-10
3824	469418.77	3818829.92	1.44E-09	6.04E-09	5.44E-10	8.02E-09	1.20E-09	4.44E-09	3.90E-10	6.02E-09	1.36E-10	7.77E-10	9.27E-11	1.01E-09	1.23E-10	4.07E-10	2.80E-11	5.58E-10
3825	469422.63	3818821.08	1.46E-09	6.12E-09	5.51E-10	8.13E-09	1.21E-09	4.50E-09	3.96E-10	6.11E-09	1.38E-10	7.88E-10	9.40E-11	1.02E-09	1.25E-10	4.13E-10	2.84E-11	5.66E-10
3826	469426.48	3818812.24	1.48E-09	6.20E-09	5.58E-10	8.23E-09	1.23E-09	4.55E-09	4.01E-10	6.18E-09	1.39E-10	7.98E-10	9.52E-11	1.03E-09	1.27E-10	4.18E-10	2.88E-11	5.73E-10
3827	469430.34	3818803.4	1.49E-09	6.27E-09	5.65E-10	8.33E-09	1.24E-09	4.61E-09	4.05E-10	6.26E-09	1.41E-10	8.07E-10	9.63E-11	1.04E-09	1.28E-10	4.23E-10	2.91E-11	5.80E-10
3828	469434.19	3818794.56	1.51E-09	6.34E-09	5.71E-10	8.43E-09	1.26E-09	4.66E-09	4.10E-10	6.33E-09	1.43E-10	8.17E-10	9.74E-11	1.06E-09	1.30E-10	4.28E-10	2.95E-11	5.87E-10
3829	469438.05	3818785.72	1.53E-09	6.42E-09	5.78E-10	8.52E-09	1.27E-09	4.71E-09	4.15E-10	6.40E-09	1.44E-10	8.26E-10	9.86E-11	1.07E-09	1.31E-10	4.33E-10	2.98E-11	5.93E-10
3830	469441.9	3818776.88	1.54E-09	6.49E-09	5.84E-10	8.61E-09	1.29E-09	4.77E-09	4.19E-10	6.47E-09	1.46E-10	8.35E-10	9.96E-11	1.08E-09	1.33E-10	4.37E-10	3.01E-11	6.00E-10
3831	469445.76	3818768.03	1.56E-09	6.55E-09	5.90E-10	8.70E-09	1.30E-09	4.81E-09	4.23E-10	6.53E-09	1.47E-10	8.43E-10	1.01E-10	1.09E-09	1.34E-10	4.41E-10	3.04E-11	6.06E-10
3832	469449.62	3818759.19	1.57E-09	6.61E-09	5.96E-10	8.78E-09	1.31E-09	4.86E-09	4.27E-10	6.60E-09	1.49E-10	8.51E-10	1.02E-10	1.10E-09	1.35E-10	4.46E-10	3.07E-11	6.12E-10
3833	469453.47	3818750.35	1.59E-09	6.67E-09	6.01E-10	8.86E-09	1.32E-09	4.90E-09	4.31E-10	6.66E-09	1.50E-10	8.59E-10	1.02E-10	1.11E-09	1.36E-10	4.50E-10	3.10E-11	6.17E-10
3834	469457.33	3818741.51	1.60E-09	6.72E-09	6.06E-10	8.93E-09	1.33E-09	4.94E-09	4.35E-10	6.71E-09	1.51E-10	8.66E-10	1.03E-10	1.12E-09	1.37E-10	4.53E-10	3.12E-11	6.22E-10
3835	469461.18	3818732.67	1.61E-09	6.78E-09	6.10E-10	9.00E-09	1.34E-09	4.98E-09	4.38E-10	6.76E-09	1.52E-10	8.72E-10	1.04E-10	1.13E-09	1.39E-10	4.57E-10	3.15E-11	6.27E-10
3836	469465.04	3818723.83	1.63E-09	6.83E-09	6.15E-10	9.07E-09	1.35E-09	5.02E-09	4.41E-10	6.81E-09	1.54E-10	8.79E-10	1.05E-10	1.14E-09	1.40E-10	4.60E-10	3.17E-11	6.32E-10
3837	469468.89	3818714.99	1.64E-09	6.88E-09	6.19E-10	9.13E-09	1.36E-09	5.05E-09	4.45E-10	6.86E-09	1.55E-10	8.85E-10	1.06E-10	1.15E-09	1.41E-10	4.64E-10	3.20E-11	6.36E-10
3838	469472.75	3818706.15	1.65E-09	6.92E-09	6.24E-10	9.20E-09	1.37E-09	5.09E-09	4.48E-10	6.91E-09	1.56E-10	8.91E-10	1.06E-10	1.15E-09	1.42E-10	4.67E-10	3.22E-11	6.40E-10
3839	469476.61	3818697.31	1.66E-09	6.97E-09	6.28E-10	9.26E-09	1.38E-09	5.12E-09	4.51E-10	6.95E-09	1.57E-10	8.97E-10	1.07E-10	1.16E-09	1.42E-10	4.70E-10	3.24E-11	6.45E-10
3840	469480.46	3818688.47	1.67E-09	7.02E-09	6.32E-10	9.32E-09	1.39E-09	5.16E-09	4.54E-10	7.00E-09	1.58E-10	9.04E-10	1.08E-10	1.17E-09	1.43E-10	4.73E-10	3.26E-11	6.49E-10
3841	469484.32	3818679.62	1.68E-09	7.06E-09	6.35E-10	9.37E-09	1.40E-09	5.19E-09	4.56E-10	7.04E-09	1.59E-10	9.08E-10	1.08E-10	1.18E-09	1.44E-10	4.76E-10	3.28E-11	6.53E-10
3842	469503.59	3818635.42	1.72E-09	7.23E-09	6.52E-10	9.61E-09	1.44E-09	5.32E-09	4.68E-10	7.22E-09	1.63E-10	9.31E-10	1.11E-10	1.21E-09	1.48E-10	4.88E-10	3.36E-11	6.69E-10
3843	469507.45	3818626.58	1.73E-09	7.27E-09	6.55E-10	9.66E-09	1.44E-09	5.34E-09	4.70E-10	7.26E-09	1.64E-10	9.36E-10	1.12E-10	1.21E-09	1.49E-10	4.90E-10	3.38E-11	6.73E-10
3844	469520.27	3818614.19	1.77E-09	7.44E-09	6.70E-10	9.88E-09	1.48E-09	5.47E-09	4.81E-10	7.43E-09	1.67E-10	9.58E-10	1.14E-10	1.24E-09	1.52E-10	5.02E-10	3.46E-11	6.88E-10
3845	469529.24	3818610.63	1.81E-09	7.59E-09	6.83E-10	1.01E-08	1.50E-09	5.57E-09	4.90E-10	7.57E-09	1.71E-10	9.77E-10	1.17E-10	1.26E-09	1.55E-10	5.11E-10	3.52E-11	7.02E-10
3846	469538.21	3818607.08	1.84E-09	7.73E-09	6.96E-10	1.03E-08	1.53E-09	5.68E-09	5.00E-10	7.72E-09	1.74E-10	9.96E-10	1.19E-10	1.29E-09	1.58E-10	5.21E-10	3.59E-11	7.15E-10
3847	469547.18	3818603.53	1.88E-09	7.88E-09	7.09E-10	1.05E-08	1.56E-09	5.79E-09	5.09E-10	7.86E-09	1.77E-10	1.01E-09	1.21E-10	1.31E-09	1.61E-10	5.31E-10	3.66E-11	7.29E-10
3848	469556.14	3818599.98	1.91E-09	8.02E-09	7.22E-10	1.07E-08	1.59E-09	5.89E-09	5.19E-10	8.00E-09	1.80E-10	1.03E-09	1.23E-10	1.34E-09	1.64E-10	5.41E-10	3.73E-11	7.42E-10
3849	469565.11	3818596.43	1.94E-09	8.16E-09	7.35E-10	1.08E-08	1.62E-09	6.00E-09	5.28E-10	8.14E-09	1.84E-10	1.05E-09	1.25E-10	1.36E-09	1.67E-10	5.50E-10	3.79E-11	7.55E-10
3850	469574.08	3818592.88	1.98E-09	8.31E-09	7.48E-10	1.10E-08	1.65E-09	6.11E-09	5.37E-10	8.29E-09	1.87E-10	1.07E-09	1.28E-10	1.38E-09	1.70E-10	5.60E-10	3.86E-11	7.69E-10
3851	469583.05	3818589.32	2.01E-09	8.46E-09	7.62E-10	1.12E-08	1.68E-09	6.21E-09	5.47E-10	8.44E-09	1.90E-10	1.09E-09	1.30E-10	1.41E-09	1.73E-10	5.70E-10	3.93E-11	7.82E-10
3852	469592.01	3818585.77	2.05E-09	8.60E-09	7.74E-10	1.14E-08	1.71E-09	6.32E-09	5.56E-10	8.58E-09	1.93E-10	1.11E-09	1.32E-10	1.43E-09	1.76E-10	5.80E-10	3.99E-11	7.95E-10
3853	469600.98	3818582.22	2.08E-09	8.73E-09	7.86E-10	1.16E-08	1.73E-09	6.42E-09	5.65E-10	8.71E-09	1.96E-10	1.12E-09	1.34E-10	1.45E-09	1.79E-10	5.89E-10	4.06E-11	8.08E-10
3854	469609.95	3818578.67	2.11E-09	8.87E-09	7.98E-10	1.18E-08	1.76E-09	6.51E-09	5.73E-10	8.85E-09	1.99E-10	1.14E-09	1.36E-10	1.48E-09	1.81E-10	5.98E-10	4.12E-11	8.20E-10
3855	469618.91	3818575.12	2.14E-09	8.99E-09	8.10E-10	1.19E-08	1.78E-09	6.61E-09	5.81E-10	8.97E-09	2.02E-10	1.16E-09	1.38E-10	1.50E-09	1.84E-10	6.06E-10	4.18E-11	8.32E-10
3856	469627.88	3818571.57	2.17E-09	9.12E-09	8.22E-10	1.21E-08	1.81E-09	6.70E-09	5.90E-10	9.10E-09	2.05E-10	1.17E-09	1.40E-10	1.52E-09	1.86E-10	6.15E-10	4.24E-11	8.44E-10
3857	469636.85	3818568.01	2.20E-09	9.24E-09	8.32E-10	1.23E-08	1.83E-09	6.79E-09	5.97E-10	9.22E-09	2.08E-10	1.19E-09	1.42E-10	1.54E-09	1.89E-10	6.23E-10	4.29E-11	8.55E-10
3858	469645.82	3818564.46	2.23E-09	9.35E-09	8.42E-10	1.24E-08	1.86E-09	6.87E-09	6.05E-10	9.33E-09	2.10E-10	1.20E-09	1.44E-10	1.56E-09	1.91E-10	6.30E-10	4.35E-11	8.65E-10
3859	469654.78	3818560.91	2.25E-09	9.46E-09	8.52E-10	1.26E-08	1.88E-09	6.95E-09	6.12E-10	9.44E-09	2.13E-10	1.22E-09	1.45E-10	1.58E-09	1.93E-10	6.38E-10	4.40E-11	8.75E-10
3860	469663.75	3818557.36	2.28E-09	9.57E-09	8.62E-10	1.27E-08	1.90E-09	7.03E-09	6.19E-10	9.55E-09	2.15E-10	1.23E-09	1.47E-10	1.59E-09	1.96E-10	6.45E-10	4.45E-11	8.85E-10
3861	469672.72	3818553.81	2.30E-09	9.68E-09	8.71E-10	1.29E-08	1.92E-09	7.11E-09	6.25E-10	9.65E-09	2.18E-10	1.25E-09	1.49E-10	1.61E-09	1.98E-10	6.52E-10	4.50E-11	8.95E-10
3862	469708.59	3818539.6	2.41E-09	1.01E-08	9.10E-10	1.34E-08	2.00E-09	7.43E-09	6.53E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.68E-09	2.07E-10	6.81E-10	4.70E-11	9.35E-10
3863	469717.56	3818536.05	2.43E-09	1.02E-08	9.20E-10	1.36E-08	2.03E-09	7.51E-09	6.61E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.70E-09	2.09E-10	6.89E-10	4.75E-11	9.45E-10
3864	469726.52	3818532.5	2.46E-09	1.03E-08	9.29E-10	1.37E-08	2.05E-09	7.58E-09	6.67E-10	1.03E-08	2.32E-10	1.33E-09	1.58E-10	1.72E-09	2.11E-10	6.95E-10	4.79E-11	9.54E-10
3865	469735.49	3818528.95	2.48E-09	1.04E-08	9.38E-10	1.38E-08	2.07E-09	7.65E-09	6.73E-10	1.04E-08	2.34E-10	1.34E-09	1.60E-10	1.73E-09	2.13E-10	7.02E-10	4.84E-11	9.63E-10
3866	469744.46	3818525.39	2.50E-09	1.05E-08	9.47E-10	1.40E-08	2.08E-09	7.72E-09	6.79E-10	1.05E-08	2.36E-10	1.35E-09	1.61E-10	1.75E-09	2.15E-10	7.08E-10	4.88E-11	9.72E-10
3867	469753.43	3818521.84	2.53E-09	1.06E-08	9.55E-10	1.41E-08	2.10E-09	7.80E-09	6.86E-10	1.06E-08	2.39E-10	1.37E-09	1.63E-10	1.77E-09	2.17E-10	7.15E-10	4.93E-11	9.81E-10
3868	469762.39	3818518.29	2.55E-09	1.07E-08	9.64E-10	1.42E-08	2.12E-09	7.87E-09	6.92E-10	1.07E-08	2.41E-10	1.38E-09	1.64E-10	1.78E-09	2.19E-10	7.21E-10	4.97E-11	9.90E-10
3869	469771.36	3818514.74	2.57E-09	1.08E-08	9.73E-10	1.43E-08	2.14E-09	7.94E-09	6.98E-10	1.08E-08	2.43E-10	1.39E-09	1.66E-10	1.80E-09	2.21E-10	7.28E-10	5.02E-11	9.99E-10
3870	469780.33	3818511.19	2.59E-09	1.09E-08	9.81E-10	1.45E-08	2.16E-09	8.00E-09	7.04E-10	1.09E-08	2.45E-10	1.40E-09	1.67E-10	1.81E-09	2.23E-10	7.34E-10	5.06E-11	1.01E-09
3871	469789.3	3818507.64	2.61E-09	1.10E-08	9.89E-10	1.46E-08	2.18E-09	8.07E-09	7.10E-10	1.10E-08	2.47E-10	1.41E-09	1.69E-10	1.83E-09	2.24E-10	7.40E-10	5.10E-11	1.02E-09
3872	469798.26	3818504.08	2.64E-09	1.11E-08	9.97E-10	1.47E-08	2.20E-09	8.13E-09	7.16E-10	1.10E-08	2.49E-10	1.43E-09	1.70E-10	1.84E-09	2.26E-10	7.46E-10	5.14E-11	1.02E-09

3873	469807.23	3818500.53	2.66E-09	1.12E-08	1.00E-09	1.48E-08	2.21E-09	8.20E-09	7.21E-10	1.11E-08	2.51E-10	1.44E-09	1.71E-10	1.86E-09	2.28E-10	7.52E-10	5.18E-11	1.03E-09
3874	469816.2	3818496.98	2.68E-09	1.12E-08	1.01E-09	1.49E-08	2.23E-09	8.26E-09	7.27E-10	1.12E-08	2.53E-10	1.45E-09	1.73E-10	1.87E-09	2.30E-10	7.58E-10	5.23E-11	1.04E-09
3875	469825.17	3818493.43	2.70E-09	1.13E-08	1.02E-09	1.51E-08	2.25E-09	8.33E-09	7.33E-10	1.13E-08	2.55E-10	1.46E-09	1.74E-10	1.89E-09	2.32E-10	7.64E-10	5.27E-11	1.05E-09
3876	469834.13	3818489.88	2.72E-09	1.14E-08	1.03E-09	1.52E-08	2.26E-09	8.38E-09	7.38E-10	1.14E-08	2.57E-10	1.47E-09	1.75E-10	1.90E-09	2.33E-10	7.69E-10	5.30E-11	1.06E-09
3877	469843.1	3818486.33	2.73E-09	1.15E-08	1.03E-09	1.53E-08	2.28E-09	8.44E-09	7.42E-10	1.15E-08	2.58E-10	1.48E-09	1.76E-10	1.91E-09	2.35E-10	7.74E-10	5.34E-11	1.06E-09
3878	469852.07	3818482.78	2.75E-09	1.16E-08	1.04E-09	1.54E-08	2.29E-09	8.49E-09	7.47E-10	1.15E-08	2.60E-10	1.49E-09	1.78E-10	1.93E-09	2.36E-10	7.79E-10	5.37E-11	1.07E-09
3879	469861.04	3818479.22	2.77E-09	1.16E-08	1.05E-09	1.54E-08	2.31E-09	8.55E-09	7.52E-10	1.16E-08	2.62E-10	1.50E-09	1.79E-10	1.94E-09	2.38E-10	7.84E-10	5.40E-11	1.08E-09
3880	469870	3818475.67	2.79E-09	1.17E-08	1.05E-09	1.55E-08	2.32E-09	8.60E-09	7.57E-10	1.17E-08	2.63E-10	1.51E-09	1.80E-10	1.95E-09	2.39E-10	7.89E-10	5.44E-11	1.08E-09
3881	469878.97	3818472.12	2.80E-09	1.18E-08	1.06E-09	1.56E-08	2.33E-09	8.64E-09	7.60E-10	1.17E-08	2.64E-10	1.51E-09	1.81E-10	1.96E-09	2.40E-10	7.93E-10	5.46E-11	1.09E-09
3882	469887.94	3818468.57	2.81E-09	1.18E-08	1.06E-09	1.57E-08	2.34E-09	8.68E-09	7.64E-10	1.18E-08	2.66E-10	1.52E-09	1.81E-10	1.97E-09	2.41E-10	7.96E-10	5.49E-11	1.09E-09
3883	469896.9	3818465.02	2.82E-09	1.19E-08	1.07E-09	1.58E-08	2.35E-09	8.72E-09	7.67E-10	1.18E-08	2.67E-10	1.53E-09	1.82E-10	1.98E-09	2.42E-10	8.00E-10	5.51E-11	1.10E-09
3884	469905.87	3818461.47	2.84E-09	1.19E-08	1.07E-09	1.58E-08	2.36E-09	8.75E-09	7.70E-10	1.19E-08	2.68E-10	1.53E-09	1.83E-10	1.98E-09	2.43E-10	8.03E-10	5.53E-11	1.10E-09
3885	469914.84	3818457.91	2.85E-09	1.20E-08	1.08E-09	1.59E-08	2.37E-09	8.78E-09	7.73E-10	1.19E-08	2.69E-10	1.54E-09	1.84E-10	1.99E-09	2.44E-10	8.06E-10	5.55E-11	1.11E-09
3886	470031.42	3818411.74	3.03E-09	1.27E-08	1.15E-09	1.69E-08	2.52E-09	9.35E-09	8.22E-10	1.27E-08	2.86E-10	1.64E-09	1.95E-10	2.12E-09	2.60E-10	8.58E-10	5.91E-11	1.18E-09
3887	470040.38	3818408.19	3.05E-09	1.28E-08	1.15E-09	1.70E-08	2.54E-09	9.40E-09	8.27E-10	1.28E-08	2.88E-10	1.65E-09	1.96E-10	2.13E-09	2.61E-10	8.62E-10	5.94E-11	1.18E-09
3888	470049.35	3818404.64	3.06E-09	1.29E-08	1.16E-09	1.71E-08	2.55E-09	9.44E-09	8.31E-10	1.28E-08	2.89E-10	1.65E-09	1.97E-10	2.14E-09	2.63E-10	8.66E-10	5.97E-11	1.19E-09
3889	470058.32	3818401.09	3.08E-09	1.29E-08	1.16E-09	1.72E-08	2.56E-09	9.49E-09	8.35E-10	1.29E-08	2.90E-10	1.66E-09	1.98E-10	2.15E-09	2.64E-10	8.71E-10	6.00E-11	1.19E-09
3890	470067.29	3818397.54	3.09E-09	1.30E-08	1.17E-09	1.72E-08	2.57E-09	9.53E-09	8.38E-10	1.29E-08	2.92E-10	1.67E-09	1.99E-10	2.16E-09	2.65E-10	8.74E-10	6.03E-11	1.20E-09
3891	470076.25	3818393.98	3.10E-09	1.30E-08	1.17E-09	1.73E-08	2.58E-09	9.56E-09	8.41E-10	1.30E-08	2.92E-10	1.67E-09	2.00E-10	2.17E-09	2.66E-10	8.77E-10	6.04E-11	1.20E-09
3892	470085.22	3818390.43	3.10E-09	1.30E-08	1.17E-09	1.73E-08	2.59E-09	9.58E-09	8.43E-10	1.30E-08	2.93E-10	1.68E-09	2.00E-10	2.17E-09	2.66E-10	8.79E-10	6.06E-11	1.21E-09
3893	470094.19	3818386.88	3.11E-09	1.31E-08	1.18E-09	1.73E-08	2.59E-09	9.59E-09	8.44E-10	1.30E-08	2.93E-10	1.68E-09	2.00E-10	2.17E-09	2.67E-10	8.80E-10	6.06E-11	1.21E-09
3894	470103.16	3818383.33	3.11E-09	1.30E-08	1.17E-09	1.73E-08	2.59E-09	9.59E-09	8.43E-10	1.30E-08	2.93E-10	1.68E-09	2.00E-10	2.17E-09	2.67E-10	8.79E-10	6.06E-11	1.21E-09
3895	470112.12	3818379.78	3.10E-09	1.30E-08	1.17E-09	1.73E-08	2.58E-09	9.56E-09	8.41E-10	1.30E-08	2.93E-10	1.68E-09	2.00E-10	2.17E-09	2.66E-10	8.77E-10	6.05E-11	1.20E-09
3896	469248.74	3819238.22	8.91E-10	3.74E-09	3.37E-10	4.97E-09	7.42E-10	2.75E-09	2.42E-10	3.73E-09	8.41E-11	4.81E-10	5.74E-11	6.23E-10	7.65E-11	2.52E-10	1.74E-11	3.46E-10
3897	469248.54	3819247.87	9.04E-10	3.80E-09	3.42E-10	5.04E-09	7.53E-10	2.79E-09	2.45E-10	3.79E-09	8.54E-11	4.89E-10	5.83E-11	6.33E-10	7.76E-11	2.56E-10	1.76E-11	3.51E-10
3898	469248.35	3819257.52	9.19E-10	3.86E-09	3.47E-10	5.12E-09	7.65E-10	2.83E-09	2.49E-10	3.85E-09	8.68E-11	4.97E-10	5.93E-11	6.43E-10	7.89E-11	2.60E-10	1.79E-11	3.57E-10
3899	469248.16	3819267.16	9.34E-10	3.92E-09	3.53E-10	5.21E-09	7.78E-10	2.88E-09	2.53E-10	3.91E-09	8.82E-11	5.05E-10	6.02E-11	6.53E-10	8.02E-11	2.64E-10	1.82E-11	3.63E-10
3900	469247.96	3819276.81	9.50E-10	3.99E-09	3.59E-10	5.30E-09	7.91E-10	2.93E-09	2.58E-10	3.98E-09	8.97E-11	5.13E-10	6.12E-11	6.64E-10	8.15E-11	2.69E-10	1.85E-11	3.69E-10
3901	469247.77	3819286.46	9.68E-10	4.07E-09	3.66E-10	5.40E-09	8.06E-10	2.99E-09	2.63E-10	4.06E-09	9.14E-11	5.23E-10	6.24E-11	6.77E-10	8.31E-11	2.74E-10	1.89E-11	3.76E-10
3902	469247.58	3819296.11	9.82E-10	4.13E-09	3.72E-10	5.48E-09	8.18E-10	3.03E-09	2.67E-10	4.12E-09	9.28E-11	5.31E-10	6.34E-11	6.87E-10	8.43E-11	2.78E-10	1.92E-11	3.82E-10
3903	469247.38	3819305.76	9.97E-10	4.19E-09	3.77E-10	5.56E-09	8.30E-10	3.08E-09	2.71E-10	4.18E-09	9.41E-11	5.39E-10	6.43E-11	6.97E-10	8.56E-11	2.82E-10	1.95E-11	3.87E-10
3904	469247.19	3819315.41	1.01E-09	4.25E-09	3.83E-10	5.65E-09	8.44E-10	3.12E-09	2.75E-10	4.24E-09	9.56E-11	5.47E-10	6.53E-11	7.08E-10	8.69E-11	2.87E-10	1.98E-11	3.93E-10
3905	469247	3819325.05	1.03E-09	4.32E-09	3.89E-10	5.74E-09	8.57E-10	3.17E-09	2.79E-10	4.31E-09	9.71E-11	5.56E-10	6.63E-11	7.19E-10	8.83E-11	2.91E-10	2.01E-11	3.99E-10
3906	469246.8	3819334.7	1.04E-09	4.39E-09	3.95E-10	5.83E-09	8.70E-10	3.22E-09	2.84E-10	4.38E-09	9.87E-11	5.65E-10	6.74E-11	7.31E-10	8.97E-11	2.96E-10	2.04E-11	4.06E-10
3907	469246.61	3819344.35	1.06E-09	4.46E-09	4.01E-10	5.92E-09	8.84E-10	3.28E-09	2.88E-10	4.45E-09	1.00E-10	5.74E-10	6.85E-11	7.42E-10	9.11E-11	3.00E-10	2.07E-11	4.12E-10
3908	469246.42	3819354	1.08E-09	4.53E-09	4.08E-10	6.02E-09	8.99E-10	3.33E-09	2.93E-10	4.52E-09	1.02E-10	5.83E-10	6.96E-11	7.55E-10	9.26E-11	3.05E-10	2.11E-11	4.19E-10
3909	469246.22	3819363.65	1.10E-09	4.61E-09	4.15E-10	6.12E-09	9.14E-10	3.39E-09	2.98E-10	4.60E-09	1.04E-10	5.93E-10	7.08E-11	7.68E-10	9.42E-11	3.11E-10	2.14E-11	4.26E-10
3910	469246.03	3819373.29	1.12E-09	4.69E-09	4.22E-10	6.23E-09	9.30E-10	3.44E-09	3.03E-10	4.68E-09	1.05E-10	6.03E-10	7.20E-11	7.81E-10	9.58E-11	3.16E-10	2.18E-11	4.34E-10
3911	469245.84	3819382.94	1.14E-09	4.77E-09	4.30E-10	6.34E-09	9.47E-10	3.51E-09	3.09E-10	4.76E-09	1.07E-10	6.15E-10	7.33E-11	7.95E-10	9.76E-11	3.22E-10	2.22E-11	4.42E-10
3912	469245.65	3819392.59	1.16E-09	4.86E-09	4.38E-10	6.46E-09	9.65E-10	3.57E-09	3.14E-10	4.85E-09	1.09E-10	6.26E-10	7.47E-11	8.10E-10	9.94E-11	3.28E-10	2.26E-11	4.50E-10
3913	469245.45	3819402.24	1.18E-09	4.96E-09	4.46E-10	6.58E-09	9.83E-10	3.64E-09	3.20E-10	4.94E-09	1.11E-10	6.38E-10	7.61E-11	8.26E-10	1.01E-10	3.34E-10	2.30E-11	4.58E-10
3914	469245.26	3819411.89	1.20E-09	5.05E-09	4.54E-10	6.70E-09	1.00E-09	3.71E-09	3.26E-10	5.03E-09	1.13E-10	6.49E-10	7.75E-11	8.40E-10	1.03E-10	3.40E-10	2.34E-11	4.67E-10
3915	469245.07	3819421.54	1.22E-09	5.14E-09	4.63E-10	6.83E-09	1.02E-09	3.78E-09	3.32E-10	5.13E-09	1.16E-10	6.62E-10	7.89E-11	8.56E-10	1.05E-10	3.46E-10	2.39E-11	4.75E-10
3916	469244.87	3819431.18	1.25E-09	5.24E-09	4.71E-10	6.95E-09	1.04E-09	3.85E-09	3.38E-10	5.22E-09	1.18E-10	6.74E-10	8.04E-11	8.72E-10	1.07E-10	3.53E-10	2.43E-11	4.84E-10
3917	469176.78	3819199.8	7.20E-10	3.02E-09	2.72E-10	4.01E-09	5.99E-10	2.22E-09	1.95E-10	3.02E-09	6.80E-11	3.89E-10	4.64E-11	5.03E-10	6.18E-11	2.04E-10	1.40E-11	2.80E-10
3918	469180.6	3819191.04	7.16E-10	3.01E-09	2.71E-10	3.99E-09	5.96E-10	2.21E-09	1.94E-10	3.00E-09	6.76E-11	3.87E-10	4.62E-11	5.01E-10	6.14E-11	2.03E-10	1.40E-11	2.78E-10
3919	469184.42	3819182.28	7.12E-10	2.99E-09	2.69E-10	3.97E-09	5.93E-10	2.20E-09	1.93E-10	2.98E-09	6.73E-11	3.85E-10	4.59E-11	4.98E-10	6.11E-11	2.02E-10	1.39E-11	2.77E-10
3920	469188.24	3819173.52	7.09E-10	2.98E-09	2.68E-10	3.96E-09	5.91E-10	2.19E-09	1.93E-10	2.97E-09	6.70E-11	3.84E-10	4.58E-11	4.96E-10	6.09E-11	2.01E-10	1.38E-11	2.76E-10
3921	469192.06	3819164.75	7.07E-10	2.97E-09	2.68E-10	3.95E-09	5.89E-10	2.18E-09	1.92E-10	2.96E-09	6.68E-11	3.82E-10	4.56E-11	4.95E-10	6.07E-11	2.00E-10	1.38E-11	2.75E-10
3922	469195.89	3819155.99	7.06E-10	2.96E-09	2.67E-10	3.94E-09	5.88E-10	2.18E-09	1.92E-10	2.96E-09	6.67E-11	3.82E-10	4.55E-11	4.94E-10	6.06E-11	2.00E-10	1.38E-11	2.74E-10
3923	469199.71	3819147.23	7.05E-10	2.96E-09	2.67E-10	3.93E-09	5.87E-10	2.18E-09	1.91E-10	2.96E-09	6.66E-11	3.81E-10	4.55E-11	4.93E-10	6.05E-11	2.00E-10	1.38E-11	2.74E-10

3924	469203.53	3819138.47	7.05E-10	2.96E-09	2.67E-10	3.93E-09	5.87E-10	2.18E-09	1.91E-10	2.96E-09	6.66E-11	3.81E-10	4.55E-11	4.93E-10	6.05E-11	2.00E-10	1.38E-11	2.74E-10
3925	469207.35	3819129.71	7.07E-10	2.97E-09	2.67E-10	3.94E-09	5.89E-10	2.18E-09	1.92E-10	2.96E-09	6.67E-11	3.82E-10	4.56E-11	4.94E-10	6.07E-11	2.00E-10	1.38E-11	2.74E-10
3926	469211.17	3819120.95	7.08E-10	2.97E-09	2.68E-10	3.95E-09	5.90E-10	2.18E-09	1.92E-10	2.97E-09	6.69E-11	3.83E-10	4.57E-11	4.95E-10	6.08E-11	2.00E-10	1.38E-11	2.75E-10
3927	469214.99	3819112.18	7.11E-10	2.99E-09	2.69E-10	3.96E-09	5.92E-10	2.19E-09	1.93E-10	2.98E-09	6.71E-11	3.84E-10	4.58E-11	4.97E-10	6.10E-11	2.01E-10	1.39E-11	2.76E-10
3928	469218.81	3819103.42	7.14E-10	3.00E-09	2.70E-10	3.98E-09	5.94E-10	2.20E-09	1.94E-10	2.99E-09	6.74E-11	3.86E-10	4.60E-11	4.99E-10	6.13E-11	2.02E-10	1.39E-11	2.77E-10
3929	469222.63	3819094.66	7.18E-10	3.01E-09	2.71E-10	4.00E-09	5.98E-10	2.21E-09	1.95E-10	3.01E-09	6.78E-11	3.88E-10	4.63E-11	5.02E-10	6.16E-11	2.03E-10	1.40E-11	2.79E-10
3930	469226.45	3819085.9	7.22E-10	3.03E-09	2.73E-10	4.03E-09	6.02E-10	2.23E-09	1.96E-10	3.03E-09	6.82E-11	3.91E-10	4.66E-11	5.05E-10	6.20E-11	2.05E-10	1.41E-11	2.81E-10
3931	469230.27	3819077.14	7.28E-10	3.06E-09	2.75E-10	4.06E-09	6.06E-10	2.25E-09	1.98E-10	3.05E-09	6.87E-11	3.94E-10	4.70E-11	5.09E-10	6.25E-11	2.06E-10	1.42E-11	2.83E-10
3932	469234.09	3819068.38	7.33E-10	3.08E-09	2.77E-10	4.09E-09	6.10E-10	2.26E-09	1.99E-10	3.07E-09	6.92E-11	3.96E-10	4.73E-11	5.13E-10	6.29E-11	2.07E-10	1.43E-11	2.85E-10
3933	469237.92	3819059.62	7.38E-10	3.10E-09	2.79E-10	4.12E-09	6.15E-10	2.28E-09	2.00E-10	3.09E-09	6.97E-11	3.99E-10	4.76E-11	5.16E-10	6.34E-11	2.09E-10	1.44E-11	2.87E-10
3934	469241.74	3819050.85	7.44E-10	3.13E-09	2.82E-10	4.15E-09	6.20E-10	2.30E-09	2.02E-10	3.12E-09	7.03E-11	4.02E-10	4.80E-11	5.21E-10	6.39E-11	2.11E-10	1.45E-11	2.89E-10
3935	469245.56	3819042.09	7.53E-10	3.16E-09	2.85E-10	4.20E-09	6.27E-10	2.32E-09	2.04E-10	3.15E-09	7.11E-11	4.07E-10	4.85E-11	5.27E-10	6.46E-11	2.13E-10	1.47E-11	2.92E-10
3936	469249.38	3819033.33	7.63E-10	3.20E-09	2.89E-10	4.26E-09	6.35E-10	2.35E-09	2.07E-10	3.20E-09	7.20E-11	4.12E-10	4.92E-11	5.34E-10	6.55E-11	2.16E-10	1.49E-11	2.96E-10
3937	469253.2	3819024.57	7.73E-10	3.24E-09	2.92E-10	4.31E-09	6.43E-10	2.38E-09	2.10E-10	3.24E-09	7.30E-11	4.18E-10	4.98E-11	5.40E-10	6.63E-11	2.19E-10	1.51E-11	3.00E-10
3938	469272.3	3818980.76	8.35E-10	3.51E-09	3.16E-10	4.66E-09	6.95E-10	2.58E-09	2.27E-10	3.50E-09	7.88E-11	4.51E-10	5.39E-11	5.84E-10	7.17E-11	2.36E-10	1.63E-11	3.24E-10
3939	469276.13	3818972	8.50E-10	3.57E-09	3.21E-10	4.74E-09	7.08E-10	2.62E-09	2.31E-10	3.56E-09	8.03E-11	4.60E-10	5.48E-11	5.95E-10	7.30E-11	2.41E-10	1.66E-11	3.30E-10
3940	469279.95	3818963.24	8.65E-10	3.63E-09	3.27E-10	4.83E-09	7.21E-10	2.67E-09	2.35E-10	3.63E-09	8.17E-11	4.68E-10	5.58E-11	6.05E-10	7.43E-11	2.45E-10	1.69E-11	3.36E-10
3941	469283.77	3818954.48	8.82E-10	3.70E-09	3.33E-10	4.92E-09	7.34E-10	2.72E-09	2.39E-10	3.69E-09	8.33E-11	4.77E-10	5.69E-11	6.17E-10	7.57E-11	2.50E-10	1.72E-11	3.42E-10
3942	469287.59	3818945.72	8.98E-10	3.77E-09	3.40E-10	5.01E-09	7.48E-10	2.77E-09	2.44E-10	3.76E-09	8.48E-11	4.86E-10	5.79E-11	6.28E-10	7.71E-11	2.54E-10	1.75E-11	3.49E-10
3943	469291.41	3818936.96	9.15E-10	3.84E-09	3.46E-10	5.11E-09	7.62E-10	2.82E-09	2.48E-10	3.84E-09	8.64E-11	4.95E-10	5.90E-11	6.40E-10	7.86E-11	2.59E-10	1.79E-11	3.56E-10
3944	469295.23	3818928.19	9.34E-10	3.92E-09	3.53E-10	5.21E-09	7.78E-10	2.88E-09	2.53E-10	3.91E-09	8.82E-11	5.05E-10	6.02E-11	6.53E-10	8.02E-11	2.64E-10	1.82E-11	3.63E-10
3945	469299.05	3818919.43	9.51E-10	3.99E-09	3.60E-10	5.30E-09	7.92E-10	2.93E-09	2.58E-10	3.98E-09	8.98E-11	5.14E-10	6.13E-11	6.65E-10	8.16E-11	2.69E-10	1.86E-11	3.69E-10
3946	469302.87	3818910.67	9.68E-10	4.07E-09	3.66E-10	5.40E-09	8.06E-10	2.99E-09	2.63E-10	4.06E-09	9.14E-11	5.23E-10	6.24E-11	6.77E-10	8.31E-11	2.74E-10	1.89E-11	3.76E-10
3947	469306.69	3818901.91	9.86E-10	4.14E-09	3.73E-10	5.50E-09	8.21E-10	3.04E-09	2.68E-10	4.13E-09	9.31E-11	5.33E-10	6.36E-11	6.90E-10	8.46E-11	2.79E-10	1.92E-11	3.83E-10
3948	469310.51	3818893.15	1.00E-09	4.22E-09	3.80E-10	5.60E-09	8.37E-10	3.10E-09	2.73E-10	4.21E-09	9.48E-11	5.43E-10	6.48E-11	7.03E-10	8.62E-11	2.84E-10	1.96E-11	3.90E-10
3949	469314.34	3818884.39	1.02E-09	4.30E-09	3.87E-10	5.71E-09	8.53E-10	3.16E-09	2.78E-10	4.29E-09	9.67E-11	5.54E-10	6.61E-11	7.17E-10	8.79E-11	2.90E-10	2.00E-11	3.98E-10
3950	469318.16	3818875.62	1.04E-09	4.39E-09	3.95E-10	5.82E-09	8.70E-10	3.22E-09	2.83E-10	4.38E-09	9.86E-11	5.65E-10	6.74E-11	7.30E-10	8.96E-11	2.96E-10	2.04E-11	4.06E-10
3951	469321.98	3818866.86	1.06E-09	4.47E-09	4.02E-10	5.93E-09	8.86E-10	3.28E-09	2.89E-10	4.46E-09	1.00E-10	5.75E-10	6.86E-11	7.44E-10	9.13E-11	3.01E-10	2.08E-11	4.13E-10
3952	469325.8	3818858.1	1.08E-09	4.55E-09	4.10E-10	6.04E-09	9.02E-10	3.34E-09	2.94E-10	4.54E-09	1.02E-10	5.86E-10	6.99E-11	7.58E-10	9.30E-11	3.07E-10	2.11E-11	4.21E-10
3953	469329.62	3818849.34	1.10E-09	4.63E-09	4.17E-10	6.15E-09	9.19E-10	3.40E-09	2.99E-10	4.62E-09	1.04E-10	5.96E-10	7.12E-11	7.72E-10	9.47E-11	3.12E-10	2.15E-11	4.29E-10
3954	469333.44	3818840.58	1.12E-09	4.71E-09	4.24E-10	6.26E-09	9.34E-10	3.46E-09	3.05E-10	4.70E-09	1.06E-10	6.06E-10	7.24E-11	7.85E-10	9.63E-11	3.18E-10	2.19E-11	4.36E-10
3955	469337.26	3818831.82	1.14E-09	4.79E-09	4.31E-10	6.36E-09	9.50E-10	3.52E-09	3.10E-10	4.78E-09	1.08E-10	6.16E-10	7.36E-11	7.98E-10	9.79E-11	3.23E-10	2.23E-11	4.43E-10
3956	469341.08	3818823.06	1.16E-09	4.86E-09	4.38E-10	6.46E-09	9.65E-10	3.57E-09	3.14E-10	4.85E-09	1.09E-10	6.26E-10	7.47E-11	8.10E-10	9.94E-11	3.28E-10	2.26E-11	4.50E-10
3957	469344.9	3818814.29	1.18E-09	4.94E-09	4.44E-10	6.56E-09	9.79E-10	3.63E-09	3.19E-10	4.92E-09	1.11E-10	6.35E-10	7.58E-11	8.22E-10	1.01E-10	3.33E-10	2.29E-11	4.57E-10
3958	469348.72	3818805.53	1.19E-09	5.01E-09	4.51E-10	6.65E-09	9.93E-10	3.68E-09	3.24E-10	5.00E-09	1.13E-10	6.45E-10	7.69E-11	8.34E-10	1.02E-10	3.38E-10	2.33E-11	4.63E-10
3959	469352.54	3818796.77	1.21E-09	5.08E-09	4.57E-10	6.74E-09	1.01E-09	3.73E-09	3.28E-10	5.07E-09	1.14E-10	6.54E-10	7.80E-11	8.46E-10	1.04E-10	3.42E-10	2.36E-11	4.70E-10
3960	469356.37	3818788.01	1.23E-09	5.15E-09	4.63E-10	6.83E-09	1.02E-09	3.78E-09	3.33E-10	5.13E-09	1.16E-10	6.62E-10	7.90E-11	8.57E-10	1.05E-10	3.47E-10	2.39E-11	4.76E-10
3961	469360.19	3818779.25	1.24E-09	5.21E-09	4.69E-10	6.92E-09	1.03E-09	3.83E-09	3.37E-10	5.20E-09	1.17E-10	6.71E-10	8.00E-11	8.68E-10	1.06E-10	3.51E-10	2.42E-11	4.82E-10
3962	469364.01	3818770.49	1.25E-09	5.27E-09	4.75E-10	7.00E-09	1.05E-09	3.87E-09	3.41E-10	5.26E-09	1.19E-10	6.78E-10	8.09E-11	8.78E-10	1.08E-10	3.55E-10	2.45E-11	4.87E-10
3963	469367.83	3818761.73	1.27E-09	5.33E-09	4.80E-10	7.08E-09	1.06E-09	3.91E-09	3.44E-10	5.32E-09	1.20E-10	6.86E-10	8.18E-11	8.87E-10	1.09E-10	3.59E-10	2.48E-11	4.93E-10
3964	469371.65	3818752.96	1.28E-09	5.38E-09	4.85E-10	7.15E-09	1.07E-09	3.95E-09	3.48E-10	5.37E-09	1.21E-10	6.93E-10	8.27E-11	8.97E-10	1.10E-10	3.63E-10	2.50E-11	4.98E-10
3965	469375.47	3818744.2	1.29E-09	5.43E-09	4.89E-10	7.22E-09	1.08E-09	3.99E-09	3.51E-10	5.42E-09	1.22E-10	7.00E-10	8.35E-11	9.05E-10	1.11E-10	3.66E-10	2.52E-11	5.03E-10
3966	469379.29	3818735.44	1.31E-09	5.48E-09	4.94E-10	7.28E-09	1.09E-09	4.03E-09	3.54E-10	5.47E-09	1.23E-10	7.06E-10	8.42E-11	9.13E-10	1.12E-10	3.70E-10	2.55E-11	5.07E-10
3967	469383.11	3818726.68	1.32E-09	5.53E-09	4.98E-10	7.34E-09	1.10E-09	4.06E-09	3.57E-10	5.52E-09	1.24E-10	7.12E-10	8.49E-11	9.21E-10	1.13E-10	3.73E-10	2.57E-11	5.11E-10
3968	469386.93	3818717.92	1.33E-09	5.57E-09	5.02E-10	7.40E-09	1.11E-09	4.09E-09	3.60E-10	5.56E-09	1.25E-10	7.17E-10	8.56E-11	9.28E-10	1.14E-10	3.76E-10	2.59E-11	5.15E-10
3969	469390.75	3818709.16	1.34E-09	5.62E-09	5.06E-10	7.46E-09	1.11E-09	4.13E-09	3.63E-10	5.60E-09	1.26E-10	7.23E-10	8.63E-11	9.35E-10	1.15E-10	3.79E-10	2.61E-11	5.19E-10
3970	469394.58	3818700.4	1.35E-09	5.66E-09	5.09E-10	7.51E-09	1.12E-09	4.16E-09	3.66E-10	5.64E-09	1.27E-10	7.28E-10	8.69E-11	9.42E-10	1.16E-10	3.81E-10	2.63E-11	5.23E-10
3971	469398.4	3818691.63	1.36E-09	5.69E-09	5.13E-10	7.56E-09	1.13E-09	4.18E-09	3.68E-10	5.68E-09	1.28E-10	7.33E-10	8.74E-11	9.48E-10	1.16E-10	3.84E-10	2.65E-11	5.27E-10
3972	469402.22	3818682.87	1.36E-09	5.73E-09	5.16E-10	7.61E-09	1.14E-09	4.21E-09	3.70E-10	5.72E-09	1.29E-10	7.37E-10	8.80E-11	9.54E-10	1.17E-10	3.86E-10	2.66E-11	5.30E-10
3973	469406.04	3818674.11	1.37E-09	5.76E-09	5.19E-10	7.65E-09	1.14E-09	4.23E-09	3.72E-10	5.75E-09	1.30E-10	7.42E-10	8.85E-11	9.60E-10	1.18E-10	3.88E-10	2.68E-11	5.33E-10
3974	469409.86	3818665.35	1.38E-09	5.79E-09	5.22E-10	7.70E-09	1.15E-09	4.26E-09	3.75E-10	5.78E-09	1.30E-10	7.46E-10	8.90E-11	9.65E-10	1.18E-10	3.91E-10	2.69E-11	5.36E-10

3975	469413.68	3818656.59	1.39E-09	5.83E-09	5.25E-10	7.75E-09	1.16E-09	4.29E-09	3.77E-10	5.82E-09	1.31E-10	7.51E-10	8.96E-11	9.71E-10	1.19E-10	3.93E-10	2.71E-11	5.39E-10
3976	469417.5	3818647.83	1.40E-09	5.86E-09	5.28E-10	7.78E-09	1.16E-09	4.31E-09	3.79E-10	5.85E-09	1.32E-10	7.54E-10	9.00E-11	9.76E-10	1.20E-10	3.95E-10	2.72E-11	5.42E-10
3977	469421.32	3818639.07	1.40E-09	5.89E-09	5.30E-10	7.82E-09	1.17E-09	4.33E-09	3.81E-10	5.88E-09	1.32E-10	7.58E-10	9.05E-11	9.81E-10	1.20E-10	3.97E-10	2.74E-11	5.45E-10
3978	469425.14	3818630.3	1.41E-09	5.92E-09	5.33E-10	7.86E-09	1.17E-09	4.35E-09	3.83E-10	5.91E-09	1.33E-10	7.62E-10	9.09E-11	9.86E-10	1.21E-10	3.99E-10	2.75E-11	5.47E-10
3979	469428.96	3818621.54	1.42E-09	5.95E-09	5.36E-10	7.90E-09	1.18E-09	4.37E-09	3.85E-10	5.94E-09	1.34E-10	7.66E-10	9.14E-11	9.91E-10	1.22E-10	4.01E-10	2.76E-11	5.50E-10
3980	469432.79	3818612.78	1.42E-09	5.98E-09	5.39E-10	7.94E-09	1.19E-09	4.40E-09	3.87E-10	5.97E-09	1.34E-10	7.70E-10	9.19E-11	9.96E-10	1.22E-10	4.03E-10	2.78E-11	5.53E-10
3981	469436.61	3818604.02	1.43E-09	6.01E-09	5.42E-10	7.99E-09	1.19E-09	4.42E-09	3.89E-10	6.00E-09	1.35E-10	7.74E-10	9.24E-11	1.00E-09	1.23E-10	4.05E-10	2.79E-11	5.56E-10
3982	469440.43	3818595.26	1.44E-09	6.04E-09	5.44E-10	8.02E-09	1.20E-09	4.44E-09	3.90E-10	6.03E-09	1.36E-10	7.77E-10	9.28E-11	1.01E-09	1.23E-10	4.07E-10	2.81E-11	5.59E-10
3983	469444.25	3818586.5	1.45E-09	6.07E-09	5.47E-10	8.07E-09	1.20E-09	4.46E-09	3.93E-10	6.06E-09	1.37E-10	7.82E-10	9.33E-11	1.01E-09	1.24E-10	4.09E-10	2.82E-11	5.62E-10
3984	469448.07	3818577.73	1.45E-09	6.11E-09	5.50E-10	8.11E-09	1.21E-09	4.49E-09	3.95E-10	6.09E-09	1.37E-10	7.86E-10	9.38E-11	1.02E-09	1.25E-10	4.12E-10	2.84E-11	5.65E-10
3985	469451.89	3818568.97	1.46E-09	6.13E-09	5.52E-10	8.15E-09	1.22E-09	4.51E-09	3.97E-10	6.12E-09	1.38E-10	7.90E-10	9.42E-11	1.02E-09	1.25E-10	4.13E-10	2.85E-11	5.67E-10
3986	469464.6	3818556.69	1.50E-09	6.28E-09	5.65E-10	8.34E-09	1.25E-09	4.61E-09	4.06E-10	6.26E-09	1.41E-10	8.08E-10	9.64E-11	1.05E-09	1.28E-10	4.23E-10	2.92E-11	5.81E-10
3987	469473.48	3818553.17	1.52E-09	6.40E-09	5.76E-10	8.50E-09	1.27E-09	4.70E-09	4.14E-10	6.39E-09	1.44E-10	8.24E-10	9.83E-11	1.07E-09	1.31E-10	4.31E-10	2.97E-11	5.92E-10
3988	469482.37	3818549.65	1.55E-09	6.52E-09	5.87E-10	8.66E-09	1.29E-09	4.79E-09	4.21E-10	6.51E-09	1.47E-10	8.39E-10	1.00E-10	1.09E-09	1.33E-10	4.39E-10	3.03E-11	6.03E-10
3989	469509.03	3818539.09	1.64E-09	6.87E-09	6.19E-10	9.13E-09	1.36E-09	5.05E-09	4.44E-10	6.86E-09	1.55E-10	8.85E-10	1.06E-10	1.14E-09	1.40E-10	4.63E-10	3.19E-11	6.36E-10
3990	469517.92	3818535.57	1.66E-09	6.99E-09	6.29E-10	9.28E-09	1.39E-09	5.13E-09	4.52E-10	6.97E-09	1.57E-10	8.99E-10	1.07E-10	1.16E-09	1.43E-10	4.71E-10	3.25E-11	6.46E-10
3991	469526.81	3818532.05	1.69E-09	7.09E-09	6.39E-10	9.42E-09	1.41E-09	5.21E-09	4.59E-10	7.08E-09	1.60E-10	9.13E-10	1.09E-10	1.18E-09	1.45E-10	4.78E-10	3.30E-11	6.56E-10
3992	469535.69	3818528.53	1.71E-09	7.20E-09	6.48E-10	9.56E-09	1.43E-09	5.29E-09	4.65E-10	7.18E-09	1.62E-10	9.27E-10	1.11E-10	1.20E-09	1.47E-10	4.85E-10	3.35E-11	6.66E-10
3993	469544.58	3818525.01	1.74E-09	7.30E-09	6.58E-10	9.70E-09	1.45E-09	5.37E-09	4.72E-10	7.29E-09	1.64E-10	9.40E-10	1.12E-10	1.22E-09	1.49E-10	4.92E-10	3.39E-11	6.76E-10
3994	469553.47	3818521.5	1.76E-09	7.41E-09	6.67E-10	9.84E-09	1.47E-09	5.44E-09	4.79E-10	7.39E-09	1.67E-10	9.54E-10	1.14E-10	1.23E-09	1.51E-10	4.99E-10	3.44E-11	6.85E-10
3995	469562.35	3818517.98	1.79E-09	7.51E-09	6.76E-10	9.97E-09	1.49E-09	5.52E-09	4.85E-10	7.49E-09	1.69E-10	9.67E-10	1.15E-10	1.25E-09	1.53E-10	5.06E-10	3.49E-11	6.94E-10
3996	469571.24	3818514.46	1.81E-09	7.61E-09	6.85E-10	1.01E-08	1.51E-09	5.59E-09	4.92E-10	7.59E-09	1.71E-10	9.80E-10	1.17E-10	1.27E-09	1.56E-10	5.13E-10	3.54E-11	7.04E-10
3997	469580.13	3818510.94	1.83E-09	7.70E-09	6.93E-10	1.02E-08	1.53E-09	5.66E-09	4.98E-10	7.68E-09	1.73E-10	9.91E-10	1.18E-10	1.28E-09	1.57E-10	5.19E-10	3.58E-11	7.12E-10
3998	469589.01	3818507.42	1.85E-09	7.79E-09	7.01E-10	1.03E-08	1.54E-09	5.72E-09	5.03E-10	7.77E-09	1.75E-10	1.00E-09	1.20E-10	1.30E-09	1.59E-10	5.25E-10	3.62E-11	7.20E-10
3999	469597.9	3818503.9	1.88E-09	7.87E-09	7.09E-10	1.05E-08	1.56E-09	5.79E-09	5.09E-10	7.86E-09	1.77E-10	1.01E-09	1.21E-10	1.31E-09	1.61E-10	5.31E-10	3.66E-11	7.28E-10
4000	469606.79	3818500.38	1.89E-09	7.96E-09	7.16E-10	1.06E-08	1.58E-09	5.85E-09	5.14E-10	7.94E-09	1.79E-10	1.02E-09	1.22E-10	1.33E-09	1.63E-10	5.36E-10	3.70E-11	7.36E-10
4001	469615.67	3818496.86	1.91E-09	8.04E-09	7.24E-10	1.07E-08	1.59E-09	5.90E-09	5.19E-10	8.02E-09	1.81E-10	1.03E-09	1.23E-10	1.34E-09	1.64E-10	5.42E-10	3.73E-11	7.43E-10
4002	469624.56	3818493.34	1.93E-09	8.11E-09	7.31E-10	1.08E-08	1.61E-09	5.96E-09	5.24E-10	8.10E-09	1.82E-10	1.04E-09	1.25E-10	1.35E-09	1.66E-10	5.47E-10	3.77E-11	7.50E-10
4003	469633.45	3818489.82	1.95E-09	8.19E-09	7.38E-10	1.09E-08	1.62E-09	6.02E-09	5.30E-10	8.17E-09	1.84E-10	1.05E-09	1.26E-10	1.36E-09	1.67E-10	5.52E-10	3.81E-11	7.58E-10
4004	469642.33	3818486.3	1.97E-09	8.27E-09	7.45E-10	1.10E-08	1.64E-09	6.08E-09	5.35E-10	8.25E-09	1.86E-10	1.06E-09	1.27E-10	1.38E-09	1.69E-10	5.58E-10	3.84E-11	7.65E-10
4005	469651.22	3818482.78	1.99E-09	8.35E-09	7.52E-10	1.11E-08	1.66E-09	6.13E-09	5.40E-10	8.33E-09	1.88E-10	1.07E-09	1.28E-10	1.39E-09	1.71E-10	5.63E-10	3.88E-11	7.72E-10
4006	469660.11	3818479.26	2.00E-09	8.42E-09	7.58E-10	1.12E-08	1.67E-09	6.19E-09	5.44E-10	8.40E-09	1.89E-10	1.08E-09	1.29E-10	1.40E-09	1.72E-10	5.67E-10	3.91E-11	7.79E-10
4007	469668.99	3818475.74	2.02E-09	8.50E-09	7.65E-10	1.13E-08	1.69E-09	6.25E-09	5.49E-10	8.48E-09	1.91E-10	1.09E-09	1.31E-10	1.42E-09	1.74E-10	5.73E-10	3.95E-11	7.86E-10
4008	469677.88	3818472.22	2.04E-09	8.58E-09	7.73E-10	1.14E-08	1.70E-09	6.31E-09	5.55E-10	8.56E-09	1.93E-10	1.10E-09	1.32E-10	1.43E-09	1.75E-10	5.79E-10	3.99E-11	7.94E-10
4009	469713.43	3818458.14	2.12E-09	8.90E-09	8.01E-10	1.18E-08	1.76E-09	6.54E-09	5.75E-10	8.88E-09	2.00E-10	1.15E-09	1.37E-10	1.48E-09	1.82E-10	6.00E-10	4.13E-11	8.23E-10
4010	469722.31	3818454.62	2.14E-09	8.98E-09	8.09E-10	1.19E-08	1.78E-09	6.60E-09	5.80E-10	8.96E-09	2.02E-10	1.16E-09	1.38E-10	1.50E-09	1.84E-10	6.05E-10	4.17E-11	8.30E-10
4011	469731.2	3818451.1	2.16E-09	9.05E-09	8.15E-10	1.20E-08	1.80E-09	6.65E-09	5.85E-10	9.03E-09	2.04E-10	1.17E-09	1.39E-10	1.51E-09	1.85E-10	6.10E-10	4.21E-11	8.37E-10
4012	469740.09	3818447.58	2.17E-09	9.13E-09	8.22E-10	1.21E-08	1.81E-09	6.71E-09	5.90E-10	9.11E-09	2.05E-10	1.18E-09	1.40E-10	1.52E-09	1.87E-10	6.15E-10	4.24E-11	8.44E-10
4013	469748.97	3818444.06	2.19E-09	9.20E-09	8.29E-10	1.22E-08	1.83E-09	6.76E-09	5.95E-10	9.18E-09	2.07E-10	1.18E-09	1.41E-10	1.53E-09	1.88E-10	6.20E-10	4.28E-11	8.51E-10
4014	469757.86	3818440.54	2.21E-09	9.27E-09	8.35E-10	1.23E-08	1.84E-09	6.82E-09	6.00E-10	9.25E-09	2.09E-10	1.19E-09	1.42E-10	1.54E-09	1.90E-10	6.25E-10	4.31E-11	8.58E-10
4015	469828.96	3818412.38	2.33E-09	9.81E-09	8.83E-10	1.30E-08	1.94E-09	7.20E-09	6.34E-10	9.78E-09	2.20E-10	1.26E-09	1.51E-10	1.63E-09	2.00E-10	6.61E-10	4.56E-11	9.07E-10
4016	469837.84	3818408.86	2.35E-09	9.85E-09	8.87E-10	1.31E-08	1.95E-09	7.24E-09	6.37E-10	9.83E-09	2.21E-10	1.27E-09	1.51E-10	1.64E-09	2.01E-10	6.64E-10	4.58E-11	9.11E-10
4017	469846.73	3818405.34	2.36E-09	9.89E-09	8.91E-10	1.31E-08	1.96E-09	7.27E-09	6.39E-10	9.87E-09	2.22E-10	1.27E-09	1.52E-10	1.65E-09	2.02E-10	6.67E-10	4.60E-11	9.15E-10
4018	469855.62	3818401.82	2.37E-09	9.93E-09	8.94E-10	1.32E-08	1.97E-09	7.30E-09	6.42E-10	9.91E-09	2.23E-10	1.28E-09	1.53E-10	1.65E-09	2.03E-10	6.69E-10	4.61E-11	9.19E-10
4019	469864.5	3818398.31	2.37E-09	9.97E-09	8.98E-10	1.32E-08	1.98E-09	7.33E-09	6.44E-10	9.95E-09	2.24E-10	1.28E-09	1.53E-10	1.66E-09	2.04E-10	6.72E-10	4.63E-11	9.22E-10
4020	469873.39	3818394.79	2.38E-09	1.00E-08	9.01E-10	1.33E-08	1.98E-09	7.35E-09	6.47E-10	9.98E-09	2.25E-10	1.29E-09	1.54E-10	1.67E-09	2.04E-10	6.74E-10	4.65E-11	9.25E-10
4021	469882.28	3818391.27	2.39E-09	1.00E-08	9.04E-10	1.33E-08	1.99E-09	7.37E-09	6.49E-10	1.00E-08	2.26E-10	1.29E-09	1.54E-10	1.67E-09	2.05E-10	6.76E-10	4.66E-11	9.28E-10
4022	469891.16	3818387.75	2.40E-09	1.01E-08	9.06E-10	1.34E-08	2.00E-09	7.40E-09	6.51E-10	1.00E-08	2.26E-10	1.30E-09	1.55E-10	1.68E-09	2.06E-10	6.78E-10	4.68E-11	9.31E-10
4023	469900.05	3818384.23	2.40E-09	1.01E-08	9.09E-10	1.34E-08	2.00E-09	7.42E-09	6.53E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.68E-09	2.06E-10	6.81E-10	4.69E-11	9.34E-10
4024	469908.94	3818380.71	2.41E-09	1.01E-08	9.12E-10	1.35E-08	2.01E-09	7.44E-09	6.55E-10	1.01E-08	2.28E-10	1.30E-09	1.56E-10	1.69E-09	2.07E-10	6.83E-10	4.71E-11	9.37E-10
4025	469917.82	3818377.19	2.42E-09	1.02E-08	9.15E-10	1.35E-08	2.02E-09	7.47E-09	6.57E-10	1.01E-08	2.29E-10	1.31E-09	1.56E-10	1.69E-09	2.08E-10	6.85E-10	4.72E-11	9.40E-10

4026	469926.71	3818373.67	2.43E-09	1.02E-08	9.19E-10	1.35E-08	2.02E-09	7.50E-09	6.59E-10	1.02E-08	2.29E-10	1.31E-09	1.57E-10	1.70E-09	2.09E-10	6.88E-10	4.74E-11	9.43E-10
4027	469935.6	3818370.15	2.44E-09	1.02E-08	9.22E-10	1.36E-08	2.03E-09	7.52E-09	6.62E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.71E-09	2.09E-10	6.90E-10	4.76E-11	9.47E-10
4028	469944.48	3818366.63	2.45E-09	1.03E-08	9.26E-10	1.37E-08	2.04E-09	7.55E-09	6.64E-10	1.03E-08	2.31E-10	1.32E-09	1.58E-10	1.71E-09	2.10E-10	6.93E-10	4.78E-11	9.51E-10
4029	469953.37	3818363.11	2.46E-09	1.03E-08	9.29E-10	1.37E-08	2.05E-09	7.58E-09	6.67E-10	1.03E-08	2.32E-10	1.33E-09	1.59E-10	1.72E-09	2.11E-10	6.96E-10	4.80E-11	9.55E-10
4030	469962.26	3818359.59	2.47E-09	1.04E-08	9.34E-10	1.38E-08	2.06E-09	7.62E-09	6.70E-10	1.03E-08	2.33E-10	1.33E-09	1.59E-10	1.73E-09	2.12E-10	6.99E-10	4.82E-11	9.59E-10
4031	469971.14	3818356.07	2.48E-09	1.04E-08	9.38E-10	1.38E-08	2.07E-09	7.66E-09	6.73E-10	1.04E-08	2.34E-10	1.34E-09	1.60E-10	1.74E-09	2.13E-10	7.02E-10	4.84E-11	9.64E-10
4032	469980.03	3818352.55	2.49E-09	1.05E-08	9.43E-10	1.39E-08	2.08E-09	7.70E-09	6.77E-10	1.05E-08	2.36E-10	1.35E-09	1.61E-10	1.75E-09	2.14E-10	7.06E-10	4.87E-11	9.69E-10
4033	469988.92	3818349.03	2.51E-09	1.05E-08	9.49E-10	1.40E-08	2.09E-09	7.74E-09	6.81E-10	1.05E-08	2.37E-10	1.36E-09	1.62E-10	1.75E-09	2.15E-10	7.10E-10	4.89E-11	9.74E-10
4034	469997.8	3818345.51	2.52E-09	1.06E-08	9.54E-10	1.41E-08	2.10E-09	7.79E-09	6.85E-10	1.06E-08	2.38E-10	1.36E-09	1.63E-10	1.76E-09	2.17E-10	7.14E-10	4.92E-11	9.80E-10
4035	470006.69	3818341.99	2.54E-09	1.07E-08	9.60E-10	1.42E-08	2.11E-09	7.83E-09	6.89E-10	1.06E-08	2.40E-10	1.37E-09	1.64E-10	1.78E-09	2.18E-10	7.19E-10	4.95E-11	9.86E-10
4036	470033.35	3818331.43	2.59E-09	1.09E-08	9.80E-10	1.45E-08	2.16E-09	7.99E-09	7.03E-10	1.09E-08	2.45E-10	1.40E-09	1.67E-10	1.81E-09	2.22E-10	7.33E-10	5.06E-11	1.01E-09
4037	470042.24	3818327.91	2.61E-09	1.10E-08	9.86E-10	1.45E-08	2.17E-09	8.05E-09	7.08E-10	1.09E-08	2.46E-10	1.41E-09	1.68E-10	1.82E-09	2.24E-10	7.38E-10	5.09E-11	1.01E-09
4038	470051.13	3818324.39	2.62E-09	1.10E-08	9.92E-10	1.46E-08	2.18E-09	8.09E-09	7.12E-10	1.10E-08	2.48E-10	1.42E-09	1.69E-10	1.83E-09	2.25E-10	7.42E-10	5.12E-11	1.02E-09
4039	470060.01	3818320.87	2.63E-09	1.11E-08	9.96E-10	1.47E-08	2.19E-09	8.13E-09	7.15E-10	1.10E-08	2.49E-10	1.42E-09	1.70E-10	1.84E-09	2.26E-10	7.46E-10	5.14E-11	1.02E-09
4040	470068.9	3818317.35	2.64E-09	1.11E-08	1.00E-09	1.47E-08	2.20E-09	8.16E-09	7.18E-10	1.11E-08	2.50E-10	1.43E-09	1.71E-10	1.85E-09	2.27E-10	7.49E-10	5.16E-11	1.03E-09
4041	470077.79	3818313.83	2.65E-09	1.11E-08	1.00E-09	1.48E-08	2.21E-09	8.18E-09	7.20E-10	1.11E-08	2.50E-10	1.43E-09	1.71E-10	1.85E-09	2.28E-10	7.51E-10	5.17E-11	1.03E-09
4042	470086.67	3818310.31	2.66E-09	1.12E-08	1.00E-09	1.48E-08	2.21E-09	8.20E-09	7.21E-10	1.11E-08	2.51E-10	1.44E-09	1.71E-10	1.86E-09	2.28E-10	7.52E-10	5.18E-11	1.03E-09
4043	470095.56	3818306.79	2.66E-09	1.12E-08	1.00E-09	1.48E-08	2.21E-09	8.20E-09	7.21E-10	1.11E-08	2.51E-10	1.44E-09	1.71E-10	1.86E-09	2.28E-10	7.52E-10	5.18E-11	1.03E-09
4044	470104.45	3818303.27	2.65E-09	1.11E-08	1.00E-09	1.48E-08	2.21E-09	8.19E-09	7.20E-10	1.11E-08	2.50E-10	1.43E-09	1.71E-10	1.86E-09	2.28E-10	7.51E-10	5.18E-11	1.03E-09
4045	470113.33	3818299.75	2.64E-09	1.11E-08	1.00E-09	1.48E-08	2.20E-09	8.16E-09	7.18E-10	1.11E-08	2.50E-10	1.43E-09	1.71E-10	1.85E-09	2.27E-10	7.49E-10	5.16E-11	1.03E-09
4046	469168.75	3819236.62	7.54E-10	3.17E-09	2.85E-10	4.21E-09	6.28E-10	2.33E-09	2.05E-10	3.16E-09	7.12E-11	4.08E-10	4.86E-11	5.27E-10	6.47E-11	2.13E-10	1.47E-11	2.93E-10
4047	469168.56	3819246.27	7.66E-10	3.22E-09	2.90E-10	4.27E-09	6.38E-10	2.36E-09	2.08E-10	3.21E-09	7.24E-11	4.14E-10	4.94E-11	5.36E-10	6.58E-11	2.17E-10	1.50E-11	2.98E-10
4048	469168.37	3819255.92	7.79E-10	3.27E-09	2.95E-10	4.34E-09	6.49E-10	2.40E-09	2.11E-10	3.26E-09	7.35E-11	4.21E-10	5.02E-11	5.45E-10	6.69E-11	2.20E-10	1.52E-11	3.02E-10
4049	469168.17	3819265.56	7.91E-10	3.32E-09	2.99E-10	4.41E-09	6.59E-10	2.44E-09	2.15E-10	3.31E-09	7.47E-11	4.28E-10	5.10E-11	5.53E-10	6.79E-11	2.24E-10	1.54E-11	3.07E-10
4050	469167.98	3819275.21	8.03E-10	3.37E-09	3.04E-10	4.48E-09	6.69E-10	2.48E-09	2.18E-10	3.37E-09	7.59E-11	4.34E-10	5.18E-11	5.62E-10	6.90E-11	2.27E-10	1.57E-11	3.12E-10
4051	469167.79	3819284.86	8.16E-10	3.43E-09	3.09E-10	4.55E-09	6.79E-10	2.52E-09	2.21E-10	3.42E-09	7.70E-11	4.41E-10	5.26E-11	5.71E-10	7.00E-11	2.31E-10	1.59E-11	3.17E-10
4052	469167.59	3819294.51	8.29E-10	3.48E-09	3.13E-10	4.62E-09	6.90E-10	2.56E-09	2.25E-10	3.47E-09	7.83E-11	4.48E-10	5.35E-11	5.80E-10	7.12E-11	2.35E-10	1.62E-11	3.22E-10
4053	469167.4	3819304.16	8.41E-10	3.53E-09	3.18E-10	4.69E-09	7.01E-10	2.60E-09	2.28E-10	3.52E-09	7.94E-11	4.55E-10	5.43E-11	5.88E-10	7.22E-11	2.38E-10	1.64E-11	3.27E-10
4054	469167.21	3819313.8	8.53E-10	3.58E-09	3.23E-10	4.76E-09	7.10E-10	2.63E-09	2.32E-10	3.57E-09	8.05E-11	4.61E-10	5.50E-11	5.97E-10	7.32E-11	2.41E-10	1.66E-11	3.31E-10
4055	469167.01	3819323.45	8.65E-10	3.63E-09	3.27E-10	4.83E-09	7.21E-10	2.67E-09	2.35E-10	3.63E-09	8.17E-11	4.68E-10	5.58E-11	6.05E-10	7.43E-11	2.45E-10	1.69E-11	3.36E-10
4056	469166.82	3819333.1	8.77E-10	3.68E-09	3.32E-10	4.89E-09	7.30E-10	2.71E-09	2.38E-10	3.67E-09	8.28E-11	4.74E-10	5.66E-11	6.13E-10	7.53E-11	2.48E-10	1.71E-11	3.41E-10
4057	469166.63	3819342.75	8.89E-10	3.73E-09	3.36E-10	4.96E-09	7.40E-10	2.74E-09	2.41E-10	3.72E-09	8.39E-11	4.80E-10	5.73E-11	6.22E-10	7.63E-11	2.52E-10	1.73E-11	3.45E-10
4058	469166.43	3819352.4	9.04E-10	3.80E-09	3.42E-10	5.04E-09	7.53E-10	2.79E-09	2.45E-10	3.79E-09	8.54E-11	4.89E-10	5.83E-11	6.33E-10	7.76E-11	2.56E-10	1.76E-11	3.51E-10
4059	469166.24	3819362.05	9.18E-10	3.86E-09	3.47E-10	5.12E-09	7.65E-10	2.83E-09	2.49E-10	3.85E-09	8.67E-11	4.96E-10	5.92E-11	6.42E-10	7.88E-11	2.60E-10	1.79E-11	3.57E-10
4060	469166.05	3819371.69	9.32E-10	3.91E-09	3.52E-10	5.20E-09	7.76E-10	2.88E-09	2.53E-10	3.90E-09	8.80E-11	5.04E-10	6.01E-11	6.52E-10	8.00E-11	2.64E-10	1.82E-11	3.62E-10
4061	469165.85	3819381.34	9.48E-10	3.98E-09	3.58E-10	5.28E-09	7.89E-10	2.92E-09	2.57E-10	3.97E-09	8.95E-11	5.12E-10	6.11E-11	6.63E-10	8.13E-11	2.68E-10	1.85E-11	3.68E-10
4062	469165.66	3819390.99	9.63E-10	4.05E-09	3.64E-10	5.37E-09	8.02E-10	2.97E-09	2.61E-10	4.04E-09	9.10E-11	5.21E-10	6.21E-11	6.74E-10	8.27E-11	2.73E-10	1.88E-11	3.74E-10
4063	469165.47	3819400.64	9.80E-10	4.12E-09	3.71E-10	5.47E-09	8.17E-10	3.03E-09	2.66E-10	4.11E-09	9.26E-11	5.30E-10	6.32E-11	6.86E-10	8.42E-11	2.78E-10	1.91E-11	3.81E-10
4064	469165.27	3819410.29	9.97E-10	4.19E-09	3.77E-10	5.56E-09	8.30E-10	3.08E-09	2.71E-10	4.18E-09	9.41E-11	5.39E-10	6.43E-11	6.97E-10	8.56E-11	2.82E-10	1.95E-11	3.87E-10
4065	469165.08	3819419.93	1.01E-09	4.26E-09	3.83E-10	5.65E-09	8.44E-10	3.13E-09	2.75E-10	4.25E-09	9.57E-11	5.48E-10	6.54E-11	7.09E-10	8.70E-11	2.87E-10	1.98E-11	3.94E-10
4066	469164.89	3819429.58	1.03E-09	4.33E-09	3.90E-10	5.75E-09	8.58E-10	3.18E-09	2.80E-10	4.32E-09	9.73E-11	5.57E-10	6.65E-11	7.21E-10	8.85E-11	2.92E-10	2.01E-11	4.00E-10
4067	469096.83	3819198.12	6.18E-10	2.60E-09	2.34E-10	3.45E-09	5.15E-10	1.91E-09	1.68E-10	2.59E-09	5.84E-11	3.34E-10	3.99E-11	4.32E-10	5.31E-11	1.75E-10	1.21E-11	2.40E-10
4068	469100.67	3819189.31	6.14E-10	2.58E-09	2.32E-10	3.43E-09	5.11E-10	1.89E-09	1.67E-10	2.57E-09	5.80E-11	3.32E-10	3.96E-11	4.30E-10	5.27E-11	1.74E-10	1.20E-11	2.39E-10
4069	469104.51	3819180.51	6.10E-10	2.56E-09	2.31E-10	3.40E-09	5.08E-10	1.88E-09	1.66E-10	2.56E-09	5.76E-11	3.30E-10	3.93E-11	4.27E-10	5.24E-11	1.73E-10	1.19E-11	2.37E-10
4070	469108.35	3819171.71	6.07E-10	2.55E-09	2.29E-10	3.38E-09	5.05E-10	1.87E-09	1.65E-10	2.54E-09	5.73E-11	3.28E-10	3.91E-11	4.24E-10	5.21E-11	1.72E-10	1.18E-11	2.36E-10
4071	469112.19	3819162.9	6.04E-10	2.54E-09	2.28E-10	3.37E-09	5.03E-10	1.86E-09	1.64E-10	2.53E-09	5.70E-11	3.26E-10	3.89E-11	4.22E-10	5.18E-11	1.71E-10	1.18E-11	2.35E-10
4072	469116.03	3819154.1	6.01E-10	2.52E-09	2.27E-10	3.35E-09	5.01E-10	1.85E-09	1.63E-10	2.52E-09	5.68E-11	3.25E-10	3.88E-11	4.20E-10	5.16E-11	1.70E-10	1.17E-11	2.33E-10
4073	469119.87	3819145.3	5.98E-10	2.51E-09	2.26E-10	3.34E-09	4.98E-10	1.85E-09	1.62E-10	2.51E-09	5.65E-11	3.23E-10	3.86E-11	4.19E-10	5.14E-11	1.69E-10	1.17E-11	2.32E-10
4074	469123.71	3819136.49	5.96E-10	2.50E-09	2.25E-10	3.33E-09	4.97E-10	1.84E-09	1.62E-10	2.50E-09	5.63E-11	3.22E-10	3.85E-11	4.17E-10	5.12E-11	1.69E-10	1.16E-11	2.32E-10
4075	469127.54	3819127.69	5.96E-10	2.50E-09	2.25E-10	3.33E-09	4.97E-10	1.84E-09	1.62E-10	2.50E-09	5.63E-11	3.22E-10	3.85E-11	4.17E-10	5.12E-11	1.69E-10	1.16E-11	2.32E-10
4076	469131.38	3819118.89	5.96E-10	2.50E-09	2.25E-10	3.33E-09	4.97E-10	1.84E-09	1.62E-10	2.50E-09	5.63E-11	3.22E-10	3.85E-11	4.17E-10	5.12E-11	1.69E-10	1.16E-11	2.32E-10

4077	469135.22	3819110.09	5.97E-10	2.51E-09	2.26E-10	3.33E-09	4.97E-10	1.84E-09	1.62E-10	2.50E-09	5.64E-11	3.23E-10	3.85E-11	4.18E-10	5.12E-11	1.69E-10	1.16E-11	2.32E-10
4078	469139.06	3819101.28	5.98E-10	2.51E-09	2.26E-10	3.33E-09	4.98E-10	1.84E-09	1.62E-10	2.50E-09	5.64E-11	3.23E-10	3.85E-11	4.18E-10	5.13E-11	1.69E-10	1.17E-11	2.32E-10
4079	469142.9	3819092.48	6.00E-10	2.52E-09	2.27E-10	3.34E-09	4.99E-10	1.85E-09	1.63E-10	2.51E-09	5.66E-11	3.24E-10	3.87E-11	4.19E-10	5.15E-11	1.70E-10	1.17E-11	2.33E-10
4080	469146.74	3819083.68	6.02E-10	2.53E-09	2.28E-10	3.36E-09	5.02E-10	1.86E-09	1.64E-10	2.52E-09	5.69E-11	3.26E-10	3.89E-11	4.21E-10	5.17E-11	1.71E-10	1.18E-11	2.34E-10
4081	469150.58	3819074.87	6.06E-10	2.54E-09	2.29E-10	3.38E-09	5.05E-10	1.87E-09	1.64E-10	2.54E-09	5.72E-11	3.28E-10	3.91E-11	4.24E-10	5.20E-11	1.71E-10	1.18E-11	2.35E-10
4082	469154.42	3819066.07	6.10E-10	2.56E-09	2.31E-10	3.40E-09	5.08E-10	1.88E-09	1.66E-10	2.56E-09	5.76E-11	3.30E-10	3.93E-11	4.27E-10	5.24E-11	1.73E-10	1.19E-11	2.37E-10
4083	469158.26	3819057.27	6.14E-10	2.58E-09	2.32E-10	3.43E-09	5.11E-10	1.89E-09	1.67E-10	2.57E-09	5.80E-11	3.32E-10	3.96E-11	4.30E-10	5.27E-11	1.74E-10	1.20E-11	2.39E-10
4084	469162.1	3819048.47	6.19E-10	2.60E-09	2.34E-10	3.45E-09	5.15E-10	1.91E-09	1.68E-10	2.59E-09	5.84E-11	3.35E-10	3.99E-11	4.33E-10	5.31E-11	1.75E-10	1.21E-11	2.40E-10
4085	469165.94	3819039.66	6.25E-10	2.62E-09	2.36E-10	3.49E-09	5.21E-10	1.93E-09	1.70E-10	2.62E-09	5.90E-11	3.38E-10	4.03E-11	4.37E-10	5.37E-11	1.77E-10	1.22E-11	2.43E-10
4086	469169.77	3819030.86	6.31E-10	2.65E-09	2.39E-10	3.52E-09	5.26E-10	1.95E-09	1.71E-10	2.64E-09	5.96E-11	3.41E-10	4.07E-11	4.42E-10	5.42E-11	1.79E-10	1.23E-11	2.45E-10
4087	469173.61	3819022.06	6.38E-10	2.68E-09	2.41E-10	3.56E-09	5.31E-10	1.97E-09	1.73E-10	2.67E-09	6.03E-11	3.45E-10	4.12E-11	4.46E-10	5.48E-11	1.81E-10	1.25E-11	2.48E-10
4088	469177.45	3819013.25	6.45E-10	2.71E-09	2.44E-10	3.60E-09	5.37E-10	1.99E-09	1.75E-10	2.70E-09	6.09E-11	3.49E-10	4.16E-11	4.51E-10	5.54E-11	1.83E-10	1.26E-11	2.51E-10
4089	469181.29	3819004.45	6.53E-10	2.74E-09	2.47E-10	3.64E-09	5.44E-10	2.02E-09	1.77E-10	2.74E-09	6.17E-11	3.53E-10	4.21E-11	4.57E-10	5.61E-11	1.85E-10	1.27E-11	2.54E-10
4090	469185.13	3818995.65	6.62E-10	2.78E-09	2.50E-10	3.69E-09	5.51E-10	2.04E-09	1.80E-10	2.77E-09	6.25E-11	3.58E-10	4.27E-11	4.63E-10	5.68E-11	1.87E-10	1.29E-11	2.57E-10
4091	469188.97	3818986.85	6.71E-10	2.82E-09	2.54E-10	3.74E-09	5.59E-10	2.07E-09	1.82E-10	2.81E-09	6.34E-11	3.63E-10	4.33E-11	4.69E-10	5.76E-11	1.90E-10	1.31E-11	2.61E-10
4092	469192.81	3818978.04	6.80E-10	2.86E-09	2.57E-10	3.79E-09	5.66E-10	2.10E-09	1.85E-10	2.85E-09	6.42E-11	3.68E-10	4.39E-11	4.76E-10	5.84E-11	1.92E-10	1.33E-11	2.64E-10
4093	469196.65	3818969.24	6.90E-10	2.90E-09	2.61E-10	3.85E-09	5.75E-10	2.13E-09	1.87E-10	2.89E-09	6.52E-11	3.73E-10	4.45E-11	4.83E-10	5.93E-11	1.95E-10	1.35E-11	2.68E-10
4094	469200.49	3818960.44	7.01E-10	2.94E-09	2.65E-10	3.91E-09	5.84E-10	2.16E-09	1.90E-10	2.94E-09	6.62E-11	3.79E-10	4.52E-11	4.91E-10	6.02E-11	1.98E-10	1.37E-11	2.72E-10
4095	469204.33	3818951.63	7.12E-10	2.99E-09	2.69E-10	3.97E-09	5.93E-10	2.20E-09	1.93E-10	2.98E-09	6.73E-11	3.85E-10	4.59E-11	4.98E-10	6.11E-11	2.02E-10	1.39E-11	2.77E-10
4096	469208.16	3818942.83	7.24E-10	3.04E-09	2.74E-10	4.04E-09	6.03E-10	2.23E-09	1.96E-10	3.03E-09	6.84E-11	3.91E-10	4.67E-11	5.06E-10	6.21E-11	2.05E-10	1.41E-11	2.81E-10
4097	469212	3818934.03	7.35E-10	3.09E-09	2.78E-10	4.10E-09	6.12E-10	2.27E-09	1.99E-10	3.08E-09	6.94E-11	3.97E-10	4.74E-11	5.14E-10	6.31E-11	2.08E-10	1.43E-11	2.85E-10
4098	469215.84	3818925.23	7.47E-10	3.14E-09	2.83E-10	4.17E-09	6.22E-10	2.31E-09	2.03E-10	3.13E-09	7.06E-11	4.04E-10	4.82E-11	5.23E-10	6.41E-11	2.11E-10	1.46E-11	2.90E-10
4099	469219.68	3818916.42	7.61E-10	3.20E-09	2.88E-10	4.24E-09	6.34E-10	2.35E-09	2.07E-10	3.19E-09	7.19E-11	4.11E-10	4.91E-11	5.32E-10	6.53E-11	2.15E-10	1.48E-11	2.96E-10
4100	469223.52	3818907.62	7.75E-10	3.26E-09	2.93E-10	4.32E-09	6.46E-10	2.39E-09	2.10E-10	3.25E-09	7.32E-11	4.19E-10	5.00E-11	5.42E-10	6.66E-11	2.19E-10	1.51E-11	3.01E-10
4101	469227.36	3818898.82	7.90E-10	3.32E-09	2.99E-10	4.41E-09	6.58E-10	2.44E-09	2.15E-10	3.31E-09	7.46E-11	4.27E-10	5.10E-11	5.53E-10	6.79E-11	2.24E-10	1.54E-11	3.07E-10
4102	469231.2	3818890.01	8.05E-10	3.38E-09	3.05E-10	4.49E-09	6.71E-10	2.49E-09	2.19E-10	3.38E-09	7.61E-11	4.35E-10	5.20E-11	5.63E-10	6.91E-11	2.28E-10	1.57E-11	3.13E-10
4103	469235.04	3818881.21	8.21E-10	3.45E-09	3.11E-10	4.58E-09	6.84E-10	2.53E-09	2.23E-10	3.44E-09	7.76E-11	4.44E-10	5.30E-11	5.74E-10	7.05E-11	2.32E-10	1.60E-11	3.19E-10
4104	469238.88	3818872.41	8.37E-10	3.52E-09	3.17E-10	4.67E-09	6.97E-10	2.58E-09	2.27E-10	3.51E-09	7.90E-11	4.53E-10	5.40E-11	5.86E-10	7.19E-11	2.37E-10	1.63E-11	3.25E-10
4105	469242.72	3818863.61	8.54E-10	3.58E-09	3.23E-10	4.76E-09	7.11E-10	2.63E-09	2.32E-10	3.58E-09	8.06E-11	4.61E-10	5.51E-11	5.97E-10	7.33E-11	2.42E-10	1.67E-11	3.32E-10
4106	469246.55	3818854.8	8.69E-10	3.65E-09	3.29E-10	4.85E-09	7.24E-10	2.68E-09	2.36E-10	3.64E-09	8.21E-11	4.70E-10	5.61E-11	6.08E-10	7.46E-11	2.46E-10	1.70E-11	3.38E-10
4107	469250.39	3818846	8.86E-10	3.72E-09	3.35E-10	4.94E-09	7.38E-10	2.73E-09	2.40E-10	3.71E-09	8.36E-11	4.79E-10	5.71E-11	6.20E-10	7.60E-11	2.51E-10	1.73E-11	3.44E-10
4108	469254.23	3818837.2	9.02E-10	3.79E-09	3.41E-10	5.03E-09	7.52E-10	2.78E-09	2.45E-10	3.78E-09	8.52E-11	4.88E-10	5.82E-11	6.31E-10	7.75E-11	2.55E-10	1.76E-11	3.50E-10
4109	469277.27	3818784.38	9.97E-10	4.19E-09	3.77E-10	5.56E-09	8.30E-10	3.08E-09	2.71E-10	4.18E-09	9.41E-11	5.39E-10	6.43E-11	6.97E-10	8.56E-11	2.82E-10	1.95E-11	3.87E-10
4110	469281.11	3818775.58	1.01E-09	4.25E-09	3.82E-10	5.64E-09	8.42E-10	3.12E-09	2.75E-10	4.24E-09	9.55E-11	5.47E-10	6.52E-11	7.07E-10	8.68E-11	2.86E-10	1.97E-11	3.93E-10
4111	469284.95	3818766.77	1.03E-09	4.31E-09	3.88E-10	5.72E-09	8.54E-10	3.17E-09	2.78E-10	4.30E-09	9.69E-11	5.55E-10	6.62E-11	7.18E-10	8.81E-11	2.90E-10	2.00E-11	3.98E-10
4112	469288.78	3818757.97	1.04E-09	4.37E-09	3.93E-10	5.80E-09	8.66E-10	3.21E-09	2.82E-10	4.36E-09	9.82E-11	5.62E-10	6.70E-11	7.27E-10	8.92E-11	2.94E-10	2.03E-11	4.04E-10
4113	469292.62	3818749.17	1.05E-09	4.42E-09	3.98E-10	5.87E-09	8.77E-10	3.25E-09	2.86E-10	4.41E-09	9.94E-11	5.69E-10	6.79E-11	7.36E-10	9.04E-11	2.98E-10	2.05E-11	4.09E-10
4114	469296.46	3818740.36	1.06E-09	4.47E-09	4.03E-10	5.94E-09	8.87E-10	3.29E-09	2.89E-10	4.46E-09	1.01E-10	5.76E-10	6.87E-11	7.45E-10	9.14E-11	3.01E-10	2.08E-11	4.14E-10
4115	469300.3	3818731.56	1.08E-09	4.52E-09	4.07E-10	6.00E-09	8.97E-10	3.32E-09	2.92E-10	4.51E-09	1.02E-10	5.82E-10	6.94E-11	7.53E-10	9.24E-11	3.05E-10	2.10E-11	4.18E-10
4116	469304.14	3818722.76	1.09E-09	4.57E-09	4.11E-10	6.07E-09	9.06E-10	3.36E-09	2.95E-10	4.56E-09	1.03E-10	5.88E-10	7.01E-11	7.61E-10	9.34E-11	3.08E-10	2.12E-11	4.22E-10
4117	469307.98	3818713.96	1.10E-09	4.61E-09	4.15E-10	6.12E-09	9.14E-10	3.39E-09	2.98E-10	4.60E-09	1.04E-10	5.93E-10	7.08E-11	7.67E-10	9.42E-11	3.11E-10	2.14E-11	4.26E-10
4118	469311.82	3818705.15	1.11E-09	4.65E-09	4.19E-10	6.18E-09	9.22E-10	3.42E-09	3.01E-10	4.64E-09	1.05E-10	5.99E-10	7.14E-11	7.75E-10	9.51E-11	3.13E-10	2.16E-11	4.30E-10
4119	469315.66	3818696.35	1.12E-09	4.69E-09	4.22E-10	6.23E-09	9.30E-10	3.44E-09	3.03E-10	4.68E-09	1.05E-10	6.03E-10	7.20E-11	7.81E-10	9.58E-11	3.16E-10	2.18E-11	4.34E-10
4120	469319.5	3818687.55	1.12E-09	4.72E-09	4.25E-10	6.27E-09	9.37E-10	3.47E-09	3.05E-10	4.71E-09	1.06E-10	6.08E-10	7.25E-11	7.87E-10	9.65E-11	3.18E-10	2.19E-11	4.37E-10
4121	469323.34	3818678.74	1.13E-09	4.76E-09	4.28E-10	6.32E-09	9.43E-10	3.50E-09	3.07E-10	4.75E-09	1.07E-10	6.12E-10	7.31E-11	7.92E-10	9.72E-11	3.21E-10	2.21E-11	4.40E-10
4122	469327.17	3818669.94	1.14E-09	4.79E-09	4.31E-10	6.36E-09	9.50E-10	3.52E-09	3.10E-10	4.78E-09	1.08E-10	6.16E-10	7.36E-11	7.98E-10	9.79E-11	3.23E-10	2.23E-11	4.43E-10
4123	469331.01	3818661.14	1.15E-09	4.82E-09	4.34E-10	6.40E-09	9.56E-10	3.54E-09	3.11E-10	4.81E-09	1.08E-10	6.20E-10	7.40E-11	8.02E-10	9.85E-11	3.25E-10	2.24E-11	4.46E-10
4124	469334.85	3818652.34	1.15E-09	4.85E-09	4.36E-10	6.44E-09	9.61E-10	3.56E-09	3.13E-10	4.84E-09	1.09E-10	6.24E-10	7.44E-11	8.07E-10	9.91E-11	3.27E-10	2.25E-11	4.48E-10
4125	469338.69	3818643.53	1.16E-09	4.88E-09	4.39E-10	6.48E-09	9.67E-10	3.58E-09	3.15E-10	4.86E-09	1.10E-10	6.28E-10	7.49E-11	8.12E-10	9.97E-11	3.29E-10	2.27E-11	4.51E-10
4126	469342.53	3818634.73	1.17E-09	4.90E-09	4.41E-10	6.51E-09	9.72E-10	3.60E-09	3.17E-10	4.89E-09	1.10E-10	6.31E-10	7.53E-11	8.16E-10	1.00E-10	3.30E-10	2.28E-11	4.53E-10
4127	469346.37	3818625.93	1.17E-09	4.93E-09	4.44E-10	6.54E-09	9.77E-10	3.62E-09	3.18E-10	4.92E-09	1.11E-10	6.34E-10	7.57E-11	8.21E-10	1.01E-10	3.32E-10	2.29E-11	4.56E-10

4128	469350.21	3818617.12	1.18E-09	4.95E-09	4.46E-10	6.57E-09	9.82E-10	3.64E-09	3.20E-10	4.94E-09	1.11E-10	6.37E-10	7.60E-11	8.25E-10	1.01E-10	3.34E-10	2.30E-11	4.58E-10
4129	469354.05	3818608.32	1.18E-09	4.97E-09	4.48E-10	6.61E-09	9.86E-10	3.65E-09	3.21E-10	4.96E-09	1.12E-10	6.40E-10	7.64E-11	8.28E-10	1.02E-10	3.35E-10	2.31E-11	4.60E-10
4130	469357.89	3818599.52	1.19E-09	5.00E-09	4.50E-10	6.64E-09	9.92E-10	3.67E-09	3.23E-10	4.99E-09	1.12E-10	6.44E-10	7.68E-11	8.33E-10	1.02E-10	3.37E-10	2.32E-11	4.62E-10
4131	469361.73	3818590.72	1.20E-09	5.02E-09	4.52E-10	6.67E-09	9.96E-10	3.69E-09	3.25E-10	5.01E-09	1.13E-10	6.46E-10	7.71E-11	8.37E-10	1.03E-10	3.39E-10	2.33E-11	4.65E-10
4132	469365.56	3818581.91	1.20E-09	5.04E-09	4.54E-10	6.69E-09	1.00E-09	3.70E-09	3.26E-10	5.03E-09	1.13E-10	6.49E-10	7.74E-11	8.39E-10	1.03E-10	3.40E-10	2.34E-11	4.66E-10
4133	469369.4	3818573.11	1.20E-09	5.06E-09	4.55E-10	6.72E-09	1.00E-09	3.72E-09	3.27E-10	5.05E-09	1.14E-10	6.51E-10	7.77E-11	8.42E-10	1.03E-10	3.41E-10	2.35E-11	4.68E-10
4134	469373.24	3818564.31	1.21E-09	5.08E-09	4.57E-10	6.74E-09	1.01E-09	3.73E-09	3.28E-10	5.07E-09	1.14E-10	6.54E-10	7.80E-11	8.46E-10	1.04E-10	3.42E-10	2.36E-11	4.70E-10
4135	469377.08	3818555.5	1.22E-09	5.10E-09	4.60E-10	6.78E-09	1.01E-09	3.75E-09	3.30E-10	5.09E-09	1.15E-10	6.57E-10	7.84E-11	8.50E-10	1.04E-10	3.44E-10	2.37E-11	4.72E-10
4136	469380.92	3818546.7	1.22E-09	5.13E-09	4.62E-10	6.81E-09	1.02E-09	3.77E-09	3.32E-10	5.12E-09	1.15E-10	6.60E-10	7.88E-11	8.54E-10	1.05E-10	3.46E-10	2.38E-11	4.74E-10
4137	469384.76	3818537.9	1.23E-09	5.15E-09	4.64E-10	6.85E-09	1.02E-09	3.79E-09	3.33E-10	5.14E-09	1.16E-10	6.64E-10	7.92E-11	8.59E-10	1.05E-10	3.47E-10	2.40E-11	4.77E-10
4138	469388.6	3818529.09	1.23E-09	5.18E-09	4.66E-10	6.88E-09	1.03E-09	3.80E-09	3.35E-10	5.17E-09	1.16E-10	6.67E-10	7.95E-11	8.62E-10	1.06E-10	3.49E-10	2.41E-11	4.79E-10
4139	469392.44	3818520.29	1.24E-09	5.20E-09	4.68E-10	6.90E-09	1.03E-09	3.82E-09	3.36E-10	5.19E-09	1.17E-10	6.69E-10	7.98E-11	8.66E-10	1.06E-10	3.50E-10	2.42E-11	4.81E-10
4140	469396.28	3818511.49	1.24E-09	5.22E-09	4.70E-10	6.93E-09	1.03E-09	3.83E-09	3.37E-10	5.21E-09	1.17E-10	6.72E-10	8.01E-11	8.69E-10	1.07E-10	3.52E-10	2.42E-11	4.83E-10
4141	469409.05	3818499.15	1.27E-09	5.35E-09	4.82E-10	7.10E-09	1.06E-09	3.93E-09	3.46E-10	5.34E-09	1.20E-10	6.88E-10	8.21E-11	8.91E-10	1.09E-10	3.60E-10	2.48E-11	4.95E-10
4142	469417.97	3818495.61	1.30E-09	5.45E-09	4.91E-10	7.24E-09	1.08E-09	4.00E-09	3.52E-10	5.44E-09	1.23E-10	7.01E-10	8.37E-11	9.08E-10	1.11E-10	3.67E-10	2.53E-11	5.04E-10
4143	469426.9	3818492.08	1.32E-09	5.54E-09	4.99E-10	7.36E-09	1.10E-09	4.07E-09	3.58E-10	5.53E-09	1.25E-10	7.14E-10	8.51E-11	9.23E-10	1.13E-10	3.74E-10	2.58E-11	5.13E-10
4144	469435.83	3818488.54	1.34E-09	5.64E-09	5.08E-10	7.49E-09	1.12E-09	4.14E-09	3.64E-10	5.63E-09	1.27E-10	7.26E-10	8.66E-11	9.39E-10	1.15E-10	3.80E-10	2.62E-11	5.22E-10
4145	469444.76	3818485	1.37E-09	5.73E-09	5.16E-10	7.62E-09	1.14E-09	4.21E-09	3.71E-10	5.72E-09	1.29E-10	7.38E-10	8.81E-11	9.55E-10	1.17E-10	3.86E-10	2.66E-11	5.30E-10
4146	469453.69	3818481.47	1.39E-09	5.83E-09	5.25E-10	7.75E-09	1.16E-09	4.29E-09	3.77E-10	5.82E-09	1.31E-10	7.51E-10	8.96E-11	9.71E-10	1.19E-10	3.93E-10	2.71E-11	5.39E-10
4147	469462.62	3818477.93	1.41E-09	5.93E-09	5.34E-10	7.88E-09	1.18E-09	4.36E-09	3.83E-10	5.92E-09	1.33E-10	7.63E-10	9.11E-11	9.88E-10	1.21E-10	4.00E-10	2.76E-11	5.48E-10
4148	469471.55	3818474.4	1.43E-09	6.02E-09	5.43E-10	8.00E-09	1.19E-09	4.43E-09	3.89E-10	6.01E-09	1.35E-10	7.76E-10	9.25E-11	1.00E-09	1.23E-10	4.06E-10	2.80E-11	5.57E-10
4149	469480.48	3818470.86	1.46E-09	6.12E-09	5.51E-10	8.13E-09	1.21E-09	4.50E-09	3.96E-10	6.11E-09	1.38E-10	7.88E-10	9.40E-11	1.02E-09	1.25E-10	4.13E-10	2.84E-11	5.66E-10
4150	469507.26	3818460.25	1.52E-09	6.37E-09	5.74E-10	8.46E-09	1.26E-09	4.68E-09	4.12E-10	6.36E-09	1.43E-10	8.20E-10	9.79E-11	1.06E-09	1.30E-10	4.30E-10	2.96E-11	5.89E-10
4151	469516.19	3818456.71	1.54E-09	6.45E-09	5.81E-10	8.57E-09	1.28E-09	4.74E-09	4.17E-10	6.44E-09	1.45E-10	8.30E-10	9.91E-11	1.07E-09	1.32E-10	4.35E-10	3.00E-11	5.97E-10
4152	469525.12	3818453.18	1.55E-09	6.53E-09	5.88E-10	8.67E-09	1.29E-09	4.80E-09	4.22E-10	6.51E-09	1.47E-10	8.40E-10	1.00E-10	1.09E-09	1.33E-10	4.40E-10	3.03E-11	6.04E-10
4153	469534.05	3818449.64	1.57E-09	6.60E-09	5.94E-10	8.76E-09	1.31E-09	4.85E-09	4.26E-10	6.58E-09	1.48E-10	8.49E-10	1.01E-10	1.10E-09	1.35E-10	4.45E-10	3.06E-11	6.10E-10
4154	469542.98	3818446.1	1.59E-09	6.66E-09	6.00E-10	8.85E-09	1.32E-09	4.90E-09	4.31E-10	6.65E-09	1.50E-10	8.58E-10	1.02E-10	1.11E-09	1.36E-10	4.49E-10	3.10E-11	6.16E-10
4155	469551.91	3818442.57	1.60E-09	6.73E-09	6.06E-10	8.94E-09	1.33E-09	4.94E-09	4.35E-10	6.71E-09	1.51E-10	8.66E-10	1.03E-10	1.12E-09	1.38E-10	4.53E-10	3.13E-11	6.22E-10
4156	469560.83	3818439.03	1.62E-09	6.79E-09	6.12E-10	9.02E-09	1.35E-09	4.99E-09	4.39E-10	6.78E-09	1.53E-10	8.74E-10	1.04E-10	1.13E-09	1.39E-10	4.58E-10	3.16E-11	6.28E-10
4157	469569.76	3818435.5	1.63E-09	6.85E-09	6.17E-10	9.10E-09	1.36E-09	5.03E-09	4.43E-10	6.84E-09	1.54E-10	8.82E-10	1.05E-10	1.14E-09	1.40E-10	4.62E-10	3.18E-11	6.34E-10
4158	469659.05	3818400.13	1.78E-09	7.47E-09	6.72E-10	9.92E-09	1.48E-09	5.49E-09	4.83E-10	7.45E-09	1.68E-10	9.61E-10	1.15E-10	1.24E-09	1.53E-10	5.03E-10	3.47E-11	6.90E-10
4159	469667.98	3818396.6	1.79E-09	7.53E-09	6.78E-10	1.00E-08	1.49E-09	5.53E-09	4.87E-10	7.51E-09	1.69E-10	9.69E-10	1.16E-10	1.25E-09	1.54E-10	5.07E-10	3.50E-11	6.96E-10
4160	469676.91	3818393.06	1.81E-09	7.59E-09	6.83E-10	1.01E-08	1.51E-09	5.58E-09	4.91E-10	7.57E-09	1.71E-10	9.77E-10	1.17E-10	1.26E-09	1.55E-10	5.12E-10	3.53E-11	7.02E-10
4161	469712.62	3818378.91	1.87E-09	7.84E-09	7.06E-10	1.04E-08	1.55E-09	5.76E-09	5.07E-10	7.82E-09	1.76E-10	1.01E-09	1.20E-10	1.31E-09	1.60E-10	5.28E-10	3.64E-11	7.25E-10
4162	469721.55	3818375.38	1.88E-09	7.90E-09	7.11E-10	1.05E-08	1.57E-09	5.81E-09	5.11E-10	7.88E-09	1.78E-10	1.02E-09	1.21E-10	1.32E-09	1.62E-10	5.33E-10	3.67E-11	7.31E-10
4163	469730.48	3818371.84	1.90E-09	7.97E-09	7.17E-10	1.06E-08	1.58E-09	5.85E-09	5.15E-10	7.95E-09	1.79E-10	1.03E-09	1.22E-10	1.33E-09	1.63E-10	5.37E-10	3.70E-11	7.37E-10
4164	469739.41	3818368.3	1.91E-09	8.03E-09	7.23E-10	1.07E-08	1.59E-09	5.90E-09	5.19E-10	8.01E-09	1.81E-10	1.03E-09	1.23E-10	1.34E-09	1.64E-10	5.41E-10	3.73E-11	7.42E-10
4165	469748.34	3818364.77	1.93E-09	8.08E-09	7.28E-10	1.07E-08	1.60E-09	5.94E-09	5.23E-10	8.07E-09	1.82E-10	1.04E-09	1.24E-10	1.35E-09	1.65E-10	5.45E-10	3.76E-11	7.48E-10
4166	469757.27	3818361.23	1.94E-09	8.14E-09	7.33E-10	1.08E-08	1.62E-09	5.98E-09	5.26E-10	8.12E-09	1.83E-10	1.05E-09	1.25E-10	1.36E-09	1.66E-10	5.49E-10	3.78E-11	7.53E-10
4167	469766.2	3818357.7	1.95E-09	8.20E-09	7.38E-10	1.09E-08	1.63E-09	6.03E-09	5.30E-10	8.18E-09	1.84E-10	1.06E-09	1.26E-10	1.37E-09	1.68E-10	5.53E-10	3.81E-11	7.58E-10
4168	469775.13	3818354.16	1.97E-09	8.26E-09	7.44E-10	1.10E-08	1.64E-09	6.07E-09	5.34E-10	8.24E-09	1.86E-10	1.06E-09	1.27E-10	1.38E-09	1.69E-10	5.57E-10	3.84E-11	7.64E-10
4169	469784.05	3818350.62	1.98E-09	8.31E-09	7.48E-10	1.10E-08	1.65E-09	6.10E-09	5.37E-10	8.29E-09	1.87E-10	1.07E-09	1.28E-10	1.38E-09	1.70E-10	5.60E-10	3.86E-11	7.68E-10
4170	469792.98	3818347.09	1.99E-09	8.35E-09	7.52E-10	1.11E-08	1.66E-09	6.14E-09	5.40E-10	8.33E-09	1.88E-10	1.07E-09	1.28E-10	1.39E-09	1.71E-10	5.63E-10	3.88E-11	7.72E-10
4171	469801.91	3818343.55	2.00E-09	8.39E-09	7.56E-10	1.11E-08	1.66E-09	6.17E-09	5.43E-10	8.37E-09	1.89E-10	1.08E-09	1.29E-10	1.40E-09	1.72E-10	5.66E-10	3.90E-11	7.76E-10
4172	469810.84	3818340.01	2.01E-09	8.44E-09	7.60E-10	1.12E-08	1.67E-09	6.20E-09	5.45E-10	8.42E-09	1.90E-10	1.09E-09	1.30E-10	1.41E-09	1.72E-10	5.69E-10	3.92E-11	7.80E-10
4173	469819.77	3818336.48	2.02E-09	8.47E-09	7.63E-10	1.13E-08	1.68E-09	6.23E-09	5.48E-10	8.46E-09	1.91E-10	1.09E-09	1.30E-10	1.41E-09	1.73E-10	5.71E-10	3.94E-11	7.84E-10
4174	469828.7	3818332.94	2.03E-09	8.51E-09	7.66E-10	1.13E-08	1.69E-09	6.25E-09	5.50E-10	8.49E-09	1.91E-10	1.09E-09	1.31E-10	1.42E-09	1.74E-10	5.73E-10	3.95E-11	7.87E-10
4175	469837.63	3818329.4	2.03E-09	8.54E-09	7.69E-10	1.13E-08	1.69E-09	6.27E-09	5.52E-10	8.52E-09	1.92E-10	1.10E-09	1.31E-10	1.42E-09	1.75E-10	5.75E-10	3.97E-11	7.90E-10
4176	469846.56	3818325.87	2.04E-09	8.57E-09	7.71E-10	1.14E-08	1.70E-09	6.29E-09	5.54E-10	8.55E-09	1.93E-10	1.10E-09	1.32E-10	1.43E-09	1.75E-10	5.77E-10	3.98E-11	7.92E-10
4177	469855.48	3818322.33	2.05E-09	8.59E-09	7.74E-10	1.14E-08	1.70E-09	6.31E-09	5.55E-10	8.57E-09	1.93E-10	1.11E-09	1.32E-10	1.43E-09	1.76E-10	5.79E-10	3.99E-11	7.94E-10
4178	469864.41	3818318.8	2.05E-09	8.61E-09	7.76E-10	1.14E-08	1.71E-09	6.33E-09	5.57E-10	8.59E-09	1.94E-10	1.11E-09	1.32E-10	1.43E-09	1.76E-10	5.80E-10	4.00E-11	7.97E-10

4179	469873.34	3818315.26	2.06E-09	8.63E-09	7.77E-10	1.15E-08	1.71E-09	6.34E-09	5.58E-10	8.61E-09	1.94E-10	1.11E-09	1.33E-10	1.44E-09	1.76E-10	5.82E-10	4.01E-11	7.98E-10
4180	469882.27	3818311.72	2.06E-09	8.65E-09	7.79E-10	1.15E-08	1.72E-09	6.36E-09	5.59E-10	8.63E-09	1.95E-10	1.11E-09	1.33E-10	1.44E-09	1.77E-10	5.83E-10	4.02E-11	8.00E-10
4181	469891.2	3818308.19	2.07E-09	8.67E-09	7.81E-10	1.15E-08	1.72E-09	6.37E-09	5.61E-10	8.65E-09	1.95E-10	1.12E-09	1.33E-10	1.44E-09	1.77E-10	5.85E-10	4.03E-11	8.02E-10
4182	469900.13	3818304.65	2.07E-09	8.69E-09	7.83E-10	1.15E-08	1.72E-09	6.39E-09	5.62E-10	8.67E-09	1.95E-10	1.12E-09	1.34E-10	1.45E-09	1.78E-10	5.86E-10	4.04E-11	8.04E-10
4183	469909.06	3818301.11	2.08E-09	8.72E-09	7.85E-10	1.16E-08	1.73E-09	6.41E-09	5.64E-10	8.70E-09	1.96E-10	1.12E-09	1.34E-10	1.45E-09	1.78E-10	5.88E-10	4.05E-11	8.07E-10
4184	469917.99	3818297.58	2.09E-09	8.76E-09	7.89E-10	1.16E-08	1.74E-09	6.44E-09	5.66E-10	8.74E-09	1.97E-10	1.13E-09	1.35E-10	1.46E-09	1.79E-10	5.90E-10	4.07E-11	8.10E-10
4185	469926.92	3818294.04	2.10E-09	8.80E-09	7.93E-10	1.17E-08	1.75E-09	6.47E-09	5.69E-10	8.78E-09	1.98E-10	1.13E-09	1.35E-10	1.47E-09	1.80E-10	5.93E-10	4.09E-11	8.14E-10
4186	469935.84	3818290.51	2.11E-09	8.84E-09	7.96E-10	1.17E-08	1.75E-09	6.50E-09	5.72E-10	8.82E-09	1.99E-10	1.14E-09	1.36E-10	1.47E-09	1.81E-10	5.96E-10	4.11E-11	8.18E-10
4187	469944.77	3818286.97	2.12E-09	8.88E-09	8.00E-10	1.18E-08	1.76E-09	6.53E-09	5.74E-10	8.86E-09	2.00E-10	1.14E-09	1.36E-10	1.48E-09	1.82E-10	5.99E-10	4.13E-11	8.22E-10
4188	469953.7	3818283.43	2.12E-09	8.92E-09	8.04E-10	1.19E-08	1.77E-09	6.56E-09	5.77E-10	8.90E-09	2.01E-10	1.15E-09	1.37E-10	1.49E-09	1.82E-10	6.01E-10	4.15E-11	8.25E-10
4189	469962.63	3818279.9	2.14E-09	8.97E-09	8.08E-10	1.19E-08	1.78E-09	6.59E-09	5.80E-10	8.95E-09	2.02E-10	1.15E-09	1.38E-10	1.49E-09	1.83E-10	6.05E-10	4.17E-11	8.30E-10
4190	469971.56	3818276.36	2.15E-09	9.02E-09	8.12E-10	1.20E-08	1.79E-09	6.63E-09	5.83E-10	9.00E-09	2.03E-10	1.16E-09	1.39E-10	1.50E-09	1.84E-10	6.08E-10	4.19E-11	8.34E-10
4191	469980.49	3818272.82	2.16E-09	9.07E-09	8.17E-10	1.21E-08	1.80E-09	6.67E-09	5.87E-10	9.05E-09	2.04E-10	1.17E-09	1.39E-10	1.51E-09	1.85E-10	6.12E-10	4.22E-11	8.39E-10
4192	469989.42	3818269.29	2.17E-09	9.13E-09	8.22E-10	1.21E-08	1.81E-09	6.71E-09	5.90E-10	9.11E-09	2.05E-10	1.18E-09	1.40E-10	1.52E-09	1.87E-10	6.15E-10	4.24E-11	8.44E-10
4193	469998.35	3818265.75	2.19E-09	9.20E-09	8.29E-10	1.22E-08	1.83E-09	6.76E-09	5.95E-10	9.18E-09	2.07E-10	1.18E-09	1.41E-10	1.53E-09	1.88E-10	6.20E-10	4.28E-11	8.51E-10
4194	470007.27	3818262.21	2.21E-09	9.27E-09	8.35E-10	1.23E-08	1.84E-09	6.82E-09	6.00E-10	9.25E-09	2.09E-10	1.19E-09	1.42E-10	1.54E-09	1.90E-10	6.25E-10	4.31E-11	8.58E-10
4195	470034.06	3818251.61	2.25E-09	9.47E-09	8.53E-10	1.26E-08	1.88E-09	6.96E-09	6.12E-10	9.45E-09	2.13E-10	1.22E-09	1.45E-10	1.58E-09	1.94E-10	6.38E-10	4.40E-11	8.76E-10
4196	470042.99	3818248.07	2.27E-09	9.52E-09	8.58E-10	1.26E-08	1.89E-09	7.00E-09	6.16E-10	9.50E-09	2.14E-10	1.23E-09	1.46E-10	1.59E-09	1.95E-10	6.42E-10	4.42E-11	8.81E-10
4197	470051.92	3818244.53	2.28E-09	9.57E-09	8.62E-10	1.27E-08	1.90E-09	7.03E-09	6.19E-10	9.55E-09	2.15E-10	1.23E-09	1.47E-10	1.59E-09	1.96E-10	6.45E-10	4.45E-11	8.85E-10
4198	470060.85	3818241	2.29E-09	9.61E-09	8.66E-10	1.28E-08	1.91E-09	7.06E-09	6.21E-10	9.59E-09	2.16E-10	1.24E-09	1.48E-10	1.60E-09	1.96E-10	6.48E-10	4.47E-11	8.89E-10
4199	470069.78	3818237.46	2.30E-09	9.64E-09	8.68E-10	1.28E-08	1.91E-09	7.08E-09	6.23E-10	9.62E-09	2.17E-10	1.24E-09	1.48E-10	1.61E-09	1.97E-10	6.50E-10	4.48E-11	8.91E-10
4200	470078.7	3818233.92	2.30E-09	9.65E-09	8.69E-10	1.28E-08	1.91E-09	7.09E-09	6.24E-10	9.63E-09	2.17E-10	1.24E-09	1.48E-10	1.61E-09	1.97E-10	6.51E-10	4.48E-11	8.93E-10
4201	470087.63	3818230.39	2.30E-09	9.65E-09	8.69E-10	1.28E-08	1.91E-09	7.09E-09	6.24E-10	9.63E-09	2.17E-10	1.24E-09	1.48E-10	1.61E-09	1.97E-10	6.51E-10	4.48E-11	8.93E-10
4202	470096.56	3818226.85	2.30E-09	9.64E-09	8.68E-10	1.28E-08	1.91E-09	7.08E-09	6.23E-10	9.62E-09	2.17E-10	1.24E-09	1.48E-10	1.61E-09	1.97E-10	6.50E-10	4.48E-11	8.91E-10
4203	470105.49	3818223.31	2.29E-09	9.61E-09	8.66E-10	1.28E-08	1.91E-09	7.06E-09	6.21E-10	9.59E-09	2.16E-10	1.24E-09	1.48E-10	1.60E-09	1.96E-10	6.48E-10	4.47E-11	8.89E-10
4204	470114.42	3818219.78	2.28E-09	9.57E-09	8.62E-10	1.27E-08	1.90E-09	7.04E-09	6.19E-10	9.55E-09	2.15E-10	1.23E-09	1.47E-10	1.59E-09	1.96E-10	6.45E-10	4.45E-11	8.86E-10
4205	469078.55	3819055.02	5.19E-10	2.18E-09	1.96E-10	2.89E-09	4.32E-10	1.60E-09	1.41E-10	2.17E-09	4.90E-11	2.80E-10	3.35E-11	3.63E-10	4.45E-11	1.47E-10	1.01E-11	2.01E-10
4206	469082.41	3819046.19	5.21E-10	2.19E-09	1.97E-10	2.90E-09	4.34E-10	1.61E-09	1.41E-10	2.18E-09	4.92E-11	2.82E-10	3.36E-11	3.64E-10	4.47E-11	1.47E-10	1.02E-11	2.02E-10
4207	469086.26	3819037.35	5.25E-10	2.20E-09	1.99E-10	2.93E-09	4.37E-10	1.62E-09	1.42E-10	2.20E-09	4.96E-11	2.84E-10	3.39E-11	3.67E-10	4.51E-11	1.49E-10	1.02E-11	2.04E-10
4208	469090.12	3819028.51	5.28E-10	2.22E-09	2.00E-10	2.95E-09	4.40E-10	1.63E-09	1.43E-10	2.21E-09	4.99E-11	2.86E-10	3.41E-11	3.70E-10	4.54E-11	1.50E-10	1.03E-11	2.05E-10
4209	469093.97	3819019.67	5.34E-10	2.24E-09	2.02E-10	2.98E-09	4.45E-10	1.65E-09	1.45E-10	2.24E-09	5.04E-11	2.89E-10	3.44E-11	3.73E-10	4.58E-11	1.51E-10	1.04E-11	2.07E-10
4210	469097.83	3819010.83	5.39E-10	2.26E-09	2.04E-10	3.00E-09	4.49E-10	1.66E-09	1.46E-10	2.26E-09	5.09E-11	2.91E-10	3.47E-11	3.77E-10	4.62E-11	1.52E-10	1.05E-11	2.09E-10
4211	469101.68	3819001.99	5.44E-10	2.28E-09	2.06E-10	3.03E-09	4.53E-10	1.68E-09	1.48E-10	2.28E-09	5.14E-11	2.94E-10	3.51E-11	3.81E-10	4.67E-11	1.54E-10	1.06E-11	2.11E-10
4212	469105.54	3818993.15	5.50E-10	2.31E-09	2.08E-10	3.07E-09	4.58E-10	1.70E-09	1.49E-10	2.30E-09	5.19E-11	2.97E-10	3.54E-11	3.84E-10	4.72E-11	1.56E-10	1.07E-11	2.13E-10
4213	469109.39	3818984.32	5.55E-10	2.33E-09	2.10E-10	3.10E-09	4.62E-10	1.71E-09	1.51E-10	2.33E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.16E-10
4214	469113.24	3818975.48	5.62E-10	2.36E-09	2.13E-10	3.13E-09	4.68E-10	1.73E-09	1.53E-10	2.35E-09	5.31E-11	3.04E-10	3.62E-11	3.93E-10	4.82E-11	1.59E-10	1.10E-11	2.18E-10
4215	469117.1	3818966.64	5.69E-10	2.39E-09	2.15E-10	3.18E-09	4.74E-10	1.76E-09	1.55E-10	2.39E-09	5.38E-11	3.08E-10	3.67E-11	3.98E-10	4.89E-11	1.61E-10	1.11E-11	2.21E-10
4216	469120.95	3818957.8	5.77E-10	2.42E-09	2.18E-10	3.22E-09	4.81E-10	1.78E-09	1.57E-10	2.42E-09	5.45E-11	3.12E-10	3.72E-11	4.04E-10	4.95E-11	1.63E-10	1.13E-11	2.24E-10
4217	469124.81	3818948.96	5.85E-10	2.46E-09	2.21E-10	3.26E-09	4.87E-10	1.81E-09	1.59E-10	2.45E-09	5.53E-11	3.16E-10	3.77E-11	4.09E-10	5.02E-11	1.66E-10	1.14E-11	2.27E-10
4218	469128.66	3818940.12	5.93E-10	2.49E-09	2.24E-10	3.31E-09	4.94E-10	1.83E-09	1.61E-10	2.49E-09	5.60E-11	3.21E-10	3.83E-11	4.15E-10	5.09E-11	1.68E-10	1.16E-11	2.31E-10
4219	469132.52	3818931.28	6.03E-10	2.53E-09	2.28E-10	3.36E-09	5.02E-10	1.86E-09	1.64E-10	2.53E-09	5.69E-11	3.26E-10	3.89E-11	4.22E-10	5.18E-11	1.71E-10	1.18E-11	2.34E-10
4220	469136.37	3818922.45	6.13E-10	2.57E-09	2.32E-10	3.42E-09	5.10E-10	1.89E-09	1.66E-10	2.57E-09	5.79E-11	3.31E-10	3.95E-11	4.29E-10	5.26E-11	1.73E-10	1.20E-11	2.38E-10
4221	469140.23	3818913.61	6.23E-10	2.62E-09	2.36E-10	3.47E-09	5.19E-10	1.92E-09	1.69E-10	2.61E-09	5.88E-11	3.37E-10	4.02E-11	4.36E-10	5.35E-11	1.76E-10	1.22E-11	2.42E-10
4222	469144.08	3818904.77	6.33E-10	2.66E-09	2.40E-10	3.53E-09	5.27E-10	1.95E-09	1.72E-10	2.65E-09	5.98E-11	3.42E-10	4.08E-11	4.43E-10	5.44E-11	1.79E-10	1.24E-11	2.46E-10
4223	469147.94	3818895.93	6.44E-10	2.71E-09	2.44E-10	3.59E-09	5.37E-10	1.99E-09	1.75E-10	2.70E-09	6.08E-11	3.48E-10	4.16E-11	4.51E-10	5.53E-11	1.82E-10	1.26E-11	2.50E-10
4224	469151.79	3818887.09	6.55E-10	2.75E-09	2.48E-10	3.65E-09	5.45E-10	2.02E-09	1.78E-10	2.74E-09	6.18E-11	3.54E-10	4.22E-11	4.58E-10	5.62E-11	1.85E-10	1.28E-11	2.54E-10
4225	469155.65	3818878.25	6.66E-10	2.79E-09	2.52E-10	3.71E-09	5.54E-10	2.05E-09	1.81E-10	2.79E-09	6.28E-11	3.60E-10	4.29E-11	4.66E-10	5.71E-11	1.88E-10	1.30E-11	2.59E-10
4226	469159.5	3818869.41	6.77E-10	2.84E-09	2.56E-10	3.78E-09	5.64E-10	2.09E-09	1.84E-10	2.84E-09	6.39E-11	3.66E-10	4.37E-11	4.74E-10	5.81E-11	1.92E-10	1.32E-11	2.63E-10
4227	469163.35	3818860.58	6.90E-10	2.90E-09	2.61E-10	3.85E-09	5.74E-10	2.13E-09	1.87E-10	2.89E-09	6.51E-11	3.73E-10	4.45E-11	4.82E-10	5.92E-11	1.95E-10	1.35E-11	2.68E-10
4228	469167.21	3818851.74	7.03E-10	2.95E-09	2.66E-10	3.92E-09	5.85E-10	2.17E-09	1.91E-10	2.94E-09	6.63E-11	3.80E-10	4.53E-11	4.91E-10	6.03E-11	1.99E-10	1.37E-11	2.73E-10
4229	469171.06	3818842.9	7.16E-10	3.01E-09	2.71E-10	4.00E-09	5.97E-10	2.21E-09	1.94E-10	3.00E-09	6.76E-11	3.87E-10	4.62E-11	5.01E-10	6.15E-11	2.03E-10	1.40E-11	2.78E-10

4230	469174.92	3818834.06	7.30E-10	3.07E-09	2.76E-10	4.07E-09	6.08E-10	2.25E-09	1.98E-10	3.06E-09	6.89E-11	3.95E-10	4.71E-11	5.11E-10	6.27E-11	2.07E-10	1.42E-11	2.84E-10
4231	469178.77	3818825.22	7.44E-10	3.12E-09	2.81E-10	4.15E-09	6.19E-10	2.30E-09	2.02E-10	3.12E-09	7.02E-11	4.02E-10	4.80E-11	5.20E-10	6.38E-11	2.11E-10	1.45E-11	2.89E-10
4232	469182.63	3818816.38	7.57E-10	3.18E-09	2.86E-10	4.22E-09	6.31E-10	2.34E-09	2.06E-10	3.17E-09	7.15E-11	4.09E-10	4.89E-11	5.30E-10	6.50E-11	2.14E-10	1.48E-11	2.94E-10
4233	469186.48	3818807.54	7.72E-10	3.24E-09	2.92E-10	4.31E-09	6.43E-10	2.38E-09	2.10E-10	3.23E-09	7.29E-11	4.17E-10	4.98E-11	5.40E-10	6.63E-11	2.18E-10	1.51E-11	3.00E-10
4234	469190.34	3818798.7	7.86E-10	3.30E-09	2.97E-10	4.39E-09	6.55E-10	2.43E-09	2.13E-10	3.29E-09	7.42E-11	4.25E-10	5.07E-11	5.50E-10	6.75E-11	2.23E-10	1.53E-11	3.05E-10
4235	469194.19	3818789.87	8.00E-10	3.36E-09	3.03E-10	4.46E-09	6.66E-10	2.47E-09	2.17E-10	3.35E-09	7.55E-11	4.32E-10	5.16E-11	5.60E-10	6.87E-11	2.26E-10	1.56E-11	3.11E-10
4236	469198.05	3818781.03	8.14E-10	3.42E-09	3.08E-10	4.54E-09	6.78E-10	2.51E-09	2.21E-10	3.41E-09	7.68E-11	4.40E-10	5.25E-11	5.69E-10	6.99E-11	2.30E-10	1.59E-11	3.16E-10
4237	469201.9	3818772.19	8.27E-10	3.47E-09	3.13E-10	4.62E-09	6.89E-10	2.55E-09	2.25E-10	3.47E-09	7.81E-11	4.47E-10	5.34E-11	5.79E-10	7.10E-11	2.34E-10	1.61E-11	3.21E-10
4238	469205.76	3818763.35	8.40E-10	3.53E-09	3.18E-10	4.69E-09	7.00E-10	2.59E-09	2.28E-10	3.52E-09	7.94E-11	4.54E-10	5.42E-11	5.88E-10	7.22E-11	2.38E-10	1.64E-11	3.26E-10
4239	469209.61	3818754.51	8.54E-10	3.58E-09	3.23E-10	4.76E-09	7.11E-10	2.63E-09	2.32E-10	3.58E-09	8.06E-11	4.61E-10	5.51E-11	5.97E-10	7.33E-11	2.42E-10	1.67E-11	3.32E-10
4240	469213.46	3818745.67	8.67E-10	3.64E-09	3.28E-10	4.83E-09	7.22E-10	2.67E-09	2.35E-10	3.63E-09	8.18E-11	4.68E-10	5.59E-11	6.06E-10	7.44E-11	2.45E-10	1.69E-11	3.37E-10
4241	469217.32	3818736.83	8.79E-10	3.69E-09	3.32E-10	4.90E-09	7.32E-10	2.71E-09	2.39E-10	3.68E-09	8.30E-11	4.75E-10	5.67E-11	6.15E-10	7.54E-11	2.49E-10	1.71E-11	3.41E-10
4242	469221.17	3818728	8.91E-10	3.74E-09	3.37E-10	4.97E-09	7.42E-10	2.75E-09	2.42E-10	3.73E-09	8.42E-11	4.82E-10	5.75E-11	6.23E-10	7.65E-11	2.52E-10	1.74E-11	3.46E-10
4243	469225.03	3818719.16	9.02E-10	3.79E-09	3.41E-10	5.03E-09	7.52E-10	2.78E-09	2.45E-10	3.78E-09	8.52E-11	4.88E-10	5.82E-11	6.31E-10	7.75E-11	2.55E-10	1.76E-11	3.50E-10
4244	469228.88	3818710.32	9.14E-10	3.84E-09	3.46E-10	5.10E-09	7.61E-10	2.82E-09	2.48E-10	3.83E-09	8.63E-11	4.94E-10	5.89E-11	6.39E-10	7.85E-11	2.59E-10	1.78E-11	3.55E-10
4245	469232.74	3818701.48	9.24E-10	3.88E-09	3.50E-10	5.15E-09	7.70E-10	2.85E-09	2.51E-10	3.87E-09	8.73E-11	5.00E-10	5.96E-11	6.46E-10	7.93E-11	2.62E-10	1.80E-11	3.59E-10
4246	469236.59	3818692.64	9.34E-10	3.92E-09	3.53E-10	5.21E-09	7.78E-10	2.88E-09	2.53E-10	3.91E-09	8.82E-11	5.05E-10	6.02E-11	6.53E-10	8.02E-11	2.64E-10	1.82E-11	3.63E-10
4247	469240.45	3818683.8	9.43E-10	3.96E-09	3.57E-10	5.26E-09	7.86E-10	2.91E-09	2.56E-10	3.95E-09	8.91E-11	5.10E-10	6.08E-11	6.60E-10	8.10E-11	2.67E-10	1.84E-11	3.66E-10
4248	469244.3	3818674.96	9.52E-10	4.00E-09	3.60E-10	5.31E-09	7.93E-10	2.94E-09	2.58E-10	3.99E-09	8.99E-11	5.14E-10	6.14E-11	6.66E-10	8.17E-11	2.69E-10	1.86E-11	3.70E-10
4249	469248.16	3818666.13	9.60E-10	4.03E-09	3.63E-10	5.35E-09	8.00E-10	2.96E-09	2.61E-10	4.02E-09	9.06E-11	5.19E-10	6.19E-11	6.71E-10	8.24E-11	2.72E-10	1.87E-11	3.73E-10
4250	469252.01	3818657.29	9.67E-10	4.06E-09	3.66E-10	5.39E-09	8.05E-10	2.98E-09	2.62E-10	4.05E-09	9.13E-11	5.23E-10	6.24E-11	6.76E-10	8.30E-11	2.74E-10	1.89E-11	3.75E-10
4251	469255.87	3818648.45	9.74E-10	4.09E-09	3.68E-10	5.43E-09	8.11E-10	3.00E-09	2.64E-10	4.08E-09	9.19E-11	5.26E-10	6.28E-11	6.81E-10	8.36E-11	2.76E-10	1.90E-11	3.78E-10
4252	469278.99	3818595.42	1.00E-09	4.22E-09	3.80E-10	5.60E-09	8.37E-10	3.10E-09	2.73E-10	4.21E-09	9.48E-11	5.43E-10	6.48E-11	7.03E-10	8.62E-11	2.84E-10	1.96E-11	3.90E-10
4253	469282.85	3818586.58	1.01E-09	4.24E-09	3.82E-10	5.63E-09	8.41E-10	3.11E-09	2.74E-10	4.23E-09	9.53E-11	5.46E-10	6.51E-11	7.06E-10	8.66E-11	2.86E-10	1.97E-11	3.92E-10
4254	469286.7	3818577.74	1.01E-09	4.26E-09	3.83E-10	5.65E-09	8.44E-10	3.13E-09	2.75E-10	4.25E-09	9.57E-11	5.48E-10	6.54E-11	7.09E-10	8.70E-11	2.87E-10	1.98E-11	3.94E-10
4255	469290.56	3818568.9	1.02E-09	4.27E-09	3.85E-10	5.68E-09	8.48E-10	3.14E-09	2.76E-10	4.26E-09	9.61E-11	5.50E-10	6.56E-11	7.12E-10	8.73E-11	2.88E-10	1.99E-11	3.95E-10
4256	469294.41	3818560.06	1.02E-09	4.28E-09	3.86E-10	5.69E-09	8.50E-10	3.15E-09	2.77E-10	4.28E-09	9.63E-11	5.52E-10	6.58E-11	7.14E-10	8.76E-11	2.89E-10	1.99E-11	3.96E-10
4257	469298.27	3818551.22	1.02E-09	4.30E-09	3.87E-10	5.71E-09	8.52E-10	3.16E-09	2.78E-10	4.29E-09	9.66E-11	5.53E-10	6.60E-11	7.16E-10	8.78E-11	2.90E-10	2.00E-11	3.97E-10
4258	469302.12	3818542.39	1.03E-09	4.31E-09	3.88E-10	5.72E-09	8.55E-10	3.17E-09	2.79E-10	4.30E-09	9.69E-11	5.55E-10	6.62E-11	7.18E-10	8.81E-11	2.91E-10	2.00E-11	3.99E-10
4259	469305.98	3818533.55	1.03E-09	4.32E-09	3.89E-10	5.74E-09	8.58E-10	3.18E-09	2.80E-10	4.32E-09	9.72E-11	5.57E-10	6.64E-11	7.20E-10	8.84E-11	2.92E-10	2.01E-11	4.00E-10
4260	469309.83	3818524.71	1.03E-09	4.35E-09	3.91E-10	5.77E-09	8.62E-10	3.19E-09	2.81E-10	4.34E-09	9.77E-11	5.59E-10	6.67E-11	7.24E-10	8.88E-11	2.93E-10	2.02E-11	4.02E-10
4261	469313.68	3818515.87	1.04E-09	4.36E-09	3.93E-10	5.79E-09	8.65E-10	3.21E-09	2.82E-10	4.35E-09	9.81E-11	5.62E-10	6.70E-11	7.27E-10	8.92E-11	2.94E-10	2.03E-11	4.03E-10
4262	469317.54	3818507.03	1.04E-09	4.38E-09	3.94E-10	5.82E-09	8.69E-10	3.22E-09	2.83E-10	4.37E-09	9.85E-11	5.64E-10	6.73E-11	7.30E-10	8.95E-11	2.95E-10	2.03E-11	4.05E-10
4263	469321.39	3818498.19	1.05E-09	4.40E-09	3.96E-10	5.84E-09	8.73E-10	3.23E-09	2.84E-10	4.39E-09	9.89E-11	5.66E-10	6.76E-11	7.33E-10	8.99E-11	2.97E-10	2.04E-11	4.07E-10
4264	469325.25	3818489.35	1.05E-09	4.42E-09	3.98E-10	5.87E-09	8.77E-10	3.25E-09	2.86E-10	4.41E-09	9.95E-11	5.69E-10	6.79E-11	7.37E-10	9.04E-11	2.98E-10	2.06E-11	4.09E-10
4265	469329.1	3818480.51	1.06E-09	4.45E-09	4.00E-10	5.90E-09	8.82E-10	3.27E-09	2.87E-10	4.44E-09	1.00E-10	5.72E-10	6.83E-11	7.41E-10	9.09E-11	3.00E-10	2.07E-11	4.11E-10
4266	469332.96	3818471.68	1.06E-09	4.47E-09	4.02E-10	5.93E-09	8.86E-10	3.28E-09	2.89E-10	4.46E-09	1.00E-10	5.75E-10	6.86E-11	7.44E-10	9.13E-11	3.01E-10	2.08E-11	4.13E-10
4267	469336.81	3818462.84	1.07E-09	4.48E-09	4.03E-10	5.95E-09	8.89E-10	3.29E-09	2.90E-10	4.47E-09	1.01E-10	5.77E-10	6.88E-11	7.46E-10	9.16E-11	3.02E-10	2.08E-11	4.14E-10
4268	469340.67	3818454	1.07E-09	4.50E-09	4.05E-10	5.97E-09	8.92E-10	3.30E-09	2.91E-10	4.49E-09	1.01E-10	5.79E-10	6.91E-11	7.49E-10	9.19E-11	3.03E-10	2.09E-11	4.16E-10
4269	469353.49	3818441.61	1.10E-09	4.60E-09	4.14E-10	6.11E-09	9.12E-10	3.38E-09	2.97E-10	4.59E-09	1.03E-10	5.92E-10	7.06E-11	7.66E-10	9.40E-11	3.10E-10	2.14E-11	4.25E-10
4270	469362.45	3818438.06	1.11E-09	4.68E-09	4.22E-10	6.22E-09	9.29E-10	3.44E-09	3.03E-10	4.67E-09	1.05E-10	6.03E-10	7.19E-11	7.80E-10	9.57E-11	3.16E-10	2.18E-11	4.33E-10
4271	469371.42	3818434.51	1.14E-09	4.77E-09	4.29E-10	6.33E-09	9.46E-10	3.50E-09	3.08E-10	4.76E-09	1.07E-10	6.14E-10	7.32E-11	7.94E-10	9.75E-11	3.21E-10	2.22E-11	4.41E-10
4272	469380.38	3818430.96	1.16E-09	4.85E-09	4.37E-10	6.44E-09	9.62E-10	3.57E-09	3.14E-10	4.84E-09	1.09E-10	6.25E-10	7.45E-11	8.08E-10	9.92E-11	3.27E-10	2.25E-11	4.49E-10
4273	469389.35	3818427.41	1.18E-09	4.94E-09	4.44E-10	6.56E-09	9.79E-10	3.63E-09	3.19E-10	4.92E-09	1.11E-10	6.35E-10	7.58E-11	8.22E-10	1.01E-10	3.33E-10	2.29E-11	4.57E-10
4274	469470.03	3818395.45	1.33E-09	5.59E-09	5.04E-10	7.43E-09	1.11E-09	4.11E-09	3.62E-10	5.58E-09	1.26E-10	7.20E-10	8.59E-11	9.32E-10	1.14E-10	3.77E-10	2.60E-11	5.17E-10
4275	469479	3818391.9	1.35E-09	5.66E-09	5.09E-10	7.51E-09	1.12E-09	4.16E-09	3.66E-10	5.64E-09	1.27E-10	7.28E-10	8.69E-11	9.42E-10	1.16E-10	3.81E-10	2.63E-11	5.23E-10
4276	469487.96	3818388.35	1.36E-09	5.71E-09	5.14E-10	7.58E-09	1.13E-09	4.20E-09	3.69E-10	5.70E-09	1.28E-10	7.35E-10	8.77E-11	9.51E-10	1.17E-10	3.85E-10	2.65E-11	5.28E-10
4277	469496.93	3818384.8	1.37E-09	5.76E-09	5.19E-10	7.65E-09	1.14E-09	4.23E-09	3.72E-10	5.75E-09	1.30E-10	7.42E-10	8.85E-11	9.60E-10	1.18E-10	3.88E-10	2.68E-11	5.33E-10
4278	469505.89	3818381.25	1.38E-09	5.81E-09	5.24E-10	7.72E-09	1.15E-09	4.27E-09	3.76E-10	5.80E-09	1.31E-10	7.48E-10	8.93E-11	9.69E-10	1.19E-10	3.92E-10	2.70E-11	5.38E-10
4279	469514.86	3818377.7	1.40E-09	5.86E-09	5.28E-10	7.78E-09	1.16E-09	4.31E-09	3.79E-10	5.85E-09	1.32E-10	7.54E-10	9.00E-11	9.76E-10	1.20E-10	3.95E-10	2.72E-11	5.42E-10
4280	469523.82	3818374.15	1.41E-09	5.91E-09	5.32E-10	7.85E-09	1.17E-09	4.34E-09	3.82E-10	5.90E-09	1.33E-10	7.61E-10	9.08E-11	9.84E-10	1.21E-10	3.98E-10	2.75E-11	5.47E-10

4281	469532.79	3818370.6	1.42E-09	5.95E-09	5.36E-10	7.91E-09	1.18E-09	4.37E-09	3.85E-10	5.94E-09	1.34E-10	7.66E-10	9.14E-11	9.92E-10	1.22E-10	4.01E-10	2.77E-11	5.51E-10
4282	469541.75	3818367.04	1.43E-09	6.00E-09	5.40E-10	7.97E-09	1.19E-09	4.41E-09	3.88E-10	5.99E-09	1.35E-10	7.72E-10	9.21E-11	9.99E-10	1.23E-10	4.04E-10	2.79E-11	5.55E-10
4283	469550.72	3818363.49	1.44E-09	6.05E-09	5.44E-10	8.03E-09	1.20E-09	4.44E-09	3.91E-10	6.03E-09	1.36E-10	7.78E-10	9.28E-11	1.01E-09	1.24E-10	4.07E-10	2.81E-11	5.59E-10
4284	469559.68	3818359.94	1.45E-09	6.09E-09	5.48E-10	8.09E-09	1.21E-09	4.47E-09	3.94E-10	6.07E-09	1.37E-10	7.84E-10	9.35E-11	1.01E-09	1.24E-10	4.10E-10	2.83E-11	5.63E-10
4285	469568.65	3818356.39	1.46E-09	6.13E-09	5.52E-10	8.14E-09	1.22E-09	4.50E-09	3.96E-10	6.11E-09	1.38E-10	7.89E-10	9.41E-11	1.02E-09	1.25E-10	4.13E-10	2.85E-11	5.67E-10
4286	469577.61	3818352.84	1.47E-09	6.18E-09	5.57E-10	8.21E-09	1.23E-09	4.54E-09	4.00E-10	6.17E-09	1.39E-10	7.96E-10	9.49E-11	1.03E-09	1.26E-10	4.17E-10	2.87E-11	5.72E-10
4287	469586.58	3818349.29	1.48E-09	6.23E-09	5.61E-10	8.27E-09	1.24E-09	4.58E-09	4.03E-10	6.22E-09	1.40E-10	8.02E-10	9.57E-11	1.04E-09	1.27E-10	4.20E-10	2.89E-11	5.76E-10
4288	469595.54	3818345.74	1.50E-09	6.28E-09	5.66E-10	8.34E-09	1.25E-09	4.62E-09	4.06E-10	6.27E-09	1.41E-10	8.09E-10	9.65E-11	1.05E-09	1.28E-10	4.23E-10	2.92E-11	5.81E-10
4289	469604.51	3818342.19	1.51E-09	6.33E-09	5.70E-10	8.40E-09	1.26E-09	4.65E-09	4.09E-10	6.31E-09	1.42E-10	8.15E-10	9.72E-11	1.05E-09	1.29E-10	4.26E-10	2.94E-11	5.85E-10
4290	469613.47	3818338.64	1.52E-09	6.38E-09	5.74E-10	8.47E-09	1.27E-09	4.69E-09	4.12E-10	6.37E-09	1.43E-10	8.21E-10	9.80E-11	1.06E-09	1.30E-10	4.30E-10	2.96E-11	5.90E-10
4291	469622.44	3818335.09	1.53E-09	6.43E-09	5.79E-10	8.54E-09	1.28E-09	4.73E-09	4.16E-10	6.42E-09	1.45E-10	8.28E-10	9.88E-11	1.07E-09	1.31E-10	4.33E-10	2.99E-11	5.95E-10
4292	469631.4	3818331.54	1.55E-09	6.49E-09	5.84E-10	8.62E-09	1.29E-09	4.77E-09	4.19E-10	6.47E-09	1.46E-10	8.35E-10	9.97E-11	1.08E-09	1.33E-10	4.37E-10	3.01E-11	6.00E-10
4293	469640.37	3818327.99	1.56E-09	6.54E-09	5.89E-10	8.68E-09	1.30E-09	4.80E-09	4.23E-10	6.52E-09	1.47E-10	8.42E-10	1.00E-10	1.09E-09	1.34E-10	4.41E-10	3.04E-11	6.05E-10
4294	469649.33	3818324.44	1.57E-09	6.59E-09	5.93E-10	8.75E-09	1.31E-09	4.84E-09	4.26E-10	6.57E-09	1.48E-10	8.48E-10	1.01E-10	1.10E-09	1.35E-10	4.44E-10	3.06E-11	6.09E-10
4295	469658.3	3818320.89	1.58E-09	6.64E-09	5.98E-10	8.82E-09	1.32E-09	4.88E-09	4.29E-10	6.63E-09	1.49E-10	8.55E-10	1.02E-10	1.11E-09	1.36E-10	4.48E-10	3.09E-11	6.15E-10
4296	469667.26	3818317.34	1.59E-09	6.70E-09	6.03E-10	8.89E-09	1.33E-09	4.92E-09	4.33E-10	6.68E-09	1.51E-10	8.62E-10	1.03E-10	1.12E-09	1.37E-10	4.51E-10	3.11E-11	6.19E-10
4297	469676.23	3818313.78	1.61E-09	6.75E-09	6.08E-10	8.96E-09	1.34E-09	4.96E-09	4.36E-10	6.73E-09	1.52E-10	8.69E-10	1.04E-10	1.12E-09	1.38E-10	4.55E-10	3.14E-11	6.24E-10
4298	469712.09	3818299.58	1.66E-09	6.96E-09	6.27E-10	9.24E-09	1.38E-09	5.11E-09	4.50E-10	6.94E-09	1.56E-10	8.96E-10	1.07E-10	1.16E-09	1.42E-10	4.69E-10	3.23E-11	6.44E-10
4299	469721.05	3818296.03	1.67E-09	7.01E-09	6.31E-10	9.31E-09	1.39E-09	5.15E-09	4.53E-10	6.99E-09	1.58E-10	9.02E-10	1.08E-10	1.17E-09	1.43E-10	4.72E-10	3.26E-11	6.48E-10
4300	469730.02	3818292.48	1.68E-09	7.06E-09	6.36E-10	9.38E-09	1.40E-09	5.19E-09	4.56E-10	7.04E-09	1.59E-10	9.09E-10	1.08E-10	1.18E-09	1.44E-10	4.76E-10	3.28E-11	6.53E-10
4301	469738.98	3818288.93	1.69E-09	7.11E-09	6.40E-10	9.44E-09	1.41E-09	5.22E-09	4.59E-10	7.09E-09	1.60E-10	9.15E-10	1.09E-10	1.18E-09	1.45E-10	4.79E-10	3.30E-11	6.57E-10
4302	469747.95	3818285.38	1.70E-09	7.16E-09	6.45E-10	9.51E-09	1.42E-09	5.26E-09	4.63E-10	7.14E-09	1.61E-10	9.21E-10	1.10E-10	1.19E-09	1.46E-10	4.82E-10	3.33E-11	6.62E-10
4303	469756.91	3818281.83	1.71E-09	7.20E-09	6.48E-10	9.56E-09	1.43E-09	5.29E-09	4.65E-10	7.18E-09	1.62E-10	9.27E-10	1.11E-10	1.20E-09	1.47E-10	4.85E-10	3.34E-11	6.66E-10
4304	469765.88	3818278.28	1.72E-09	7.23E-09	6.52E-10	9.61E-09	1.44E-09	5.32E-09	4.68E-10	7.22E-09	1.63E-10	9.31E-10	1.11E-10	1.21E-09	1.48E-10	4.88E-10	3.36E-11	6.69E-10
4305	469774.84	3818274.73	1.73E-09	7.27E-09	6.55E-10	9.66E-09	1.44E-09	5.34E-09	4.70E-10	7.25E-09	1.63E-10	9.36E-10	1.12E-10	1.21E-09	1.49E-10	4.90E-10	3.38E-11	6.72E-10
4306	469783.81	3818271.18	1.74E-09	7.30E-09	6.58E-10	9.70E-09	1.45E-09	5.37E-09	4.72E-10	7.29E-09	1.64E-10	9.40E-10	1.12E-10	1.22E-09	1.49E-10	4.92E-10	3.39E-11	6.76E-10
4307	469792.77	3818267.63	1.75E-09	7.33E-09	6.60E-10	9.74E-09	1.45E-09	5.39E-09	4.74E-10	7.32E-09	1.65E-10	9.44E-10	1.13E-10	1.22E-09	1.50E-10	4.94E-10	3.41E-11	6.78E-10
4308	469801.74	3818264.07	1.75E-09	7.36E-09	6.63E-10	9.77E-09	1.46E-09	5.41E-09	4.76E-10	7.34E-09	1.65E-10	9.47E-10	1.13E-10	1.23E-09	1.50E-10	4.96E-10	3.42E-11	6.81E-10
4309	469810.7	3818260.52	1.76E-09	7.38E-09	6.65E-10	9.81E-09	1.46E-09	5.43E-09	4.77E-10	7.37E-09	1.66E-10	9.51E-10	1.13E-10	1.23E-09	1.51E-10	4.98E-10	3.43E-11	6.83E-10
4310	469819.67	3818256.97	1.76E-09	7.40E-09	6.67E-10	9.84E-09	1.47E-09	5.44E-09	4.79E-10	7.39E-09	1.67E-10	9.53E-10	1.14E-10	1.23E-09	1.51E-10	4.99E-10	3.44E-11	6.85E-10
4311	469828.63	3818253.42	1.77E-09	7.43E-09	6.69E-10	9.86E-09	1.47E-09	5.46E-09	4.80E-10	7.41E-09	1.67E-10	9.56E-10	1.14E-10	1.24E-09	1.52E-10	5.00E-10	3.45E-11	6.87E-10
4312	469837.6	3818249.87	1.77E-09	7.45E-09	6.70E-10	9.89E-09	1.48E-09	5.47E-09	4.81E-10	7.43E-09	1.67E-10	9.58E-10	1.14E-10	1.24E-09	1.52E-10	5.02E-10	3.46E-11	6.89E-10
4313	469846.56	3818246.32	1.78E-09	7.46E-09	6.72E-10	9.91E-09	1.48E-09	5.48E-09	4.82E-10	7.44E-09	1.68E-10	9.60E-10	1.15E-10	1.24E-09	1.52E-10	5.03E-10	3.47E-11	6.90E-10
4314	469855.53	3818242.77	1.78E-09	7.48E-09	6.73E-10	9.93E-09	1.48E-09	5.49E-09	4.83E-10	7.46E-09	1.68E-10	9.63E-10	1.15E-10	1.25E-09	1.53E-10	5.04E-10	3.47E-11	6.92E-10
4315	469864.49	3818239.22	1.78E-09	7.49E-09	6.75E-10	9.95E-09	1.49E-09	5.51E-09	4.84E-10	7.48E-09	1.69E-10	9.65E-10	1.15E-10	1.25E-09	1.53E-10	5.05E-10	3.48E-11	6.93E-10
4316	469873.46	3818235.67	1.79E-09	7.51E-09	6.76E-10	9.97E-09	1.49E-09	5.52E-09	4.85E-10	7.49E-09	1.69E-10	9.67E-10	1.15E-10	1.25E-09	1.53E-10	5.06E-10	3.49E-11	6.94E-10
4317	469882.42	3818232.12	1.79E-09	7.53E-09	6.78E-10	1.00E-08	1.49E-09	5.53E-09	4.87E-10	7.51E-09	1.69E-10	9.69E-10	1.16E-10	1.25E-09	1.54E-10	5.07E-10	3.50E-11	6.96E-10
4318	469891.39	3818228.57	1.80E-09	7.55E-09	6.80E-10	1.00E-08	1.50E-09	5.55E-09	4.88E-10	7.54E-09	1.70E-10	9.72E-10	1.16E-10	1.26E-09	1.54E-10	5.09E-10	3.51E-11	6.98E-10
4319	469900.35	3818225.02	1.81E-09	7.58E-09	6.83E-10	1.01E-08	1.50E-09	5.57E-09	4.90E-10	7.56E-09	1.70E-10	9.76E-10	1.16E-10	1.26E-09	1.55E-10	5.11E-10	3.52E-11	7.01E-10
4320	469909.32	3818221.47	1.81E-09	7.62E-09	6.86E-10	1.01E-08	1.51E-09	5.60E-09	4.92E-10	7.60E-09	1.71E-10	9.80E-10	1.17E-10	1.27E-09	1.56E-10	5.13E-10	3.54E-11	7.04E-10
4321	469918.28	3818217.92	1.82E-09	7.65E-09	6.89E-10	1.02E-08	1.52E-09	5.62E-09	4.95E-10	7.64E-09	1.72E-10	9.85E-10	1.18E-10	1.27E-09	1.56E-10	5.16E-10	3.56E-11	7.08E-10
4322	469927.25	3818214.36	1.83E-09	7.69E-09	6.93E-10	1.02E-08	1.53E-09	5.65E-09	4.97E-10	7.67E-09	1.73E-10	9.90E-10	1.18E-10	1.28E-09	1.57E-10	5.18E-10	3.57E-11	7.11E-10
4323	469936.21	3818210.81	1.84E-09	7.72E-09	6.96E-10	1.03E-08	1.53E-09	5.68E-09	4.99E-10	7.71E-09	1.74E-10	9.94E-10	1.19E-10	1.29E-09	1.58E-10	5.21E-10	3.59E-11	7.14E-10
4324	469945.18	3818207.26	1.85E-09	7.76E-09	6.99E-10	1.03E-08	1.54E-09	5.70E-09	5.02E-10	7.75E-09	1.75E-10	9.99E-10	1.19E-10	1.29E-09	1.59E-10	5.23E-10	3.61E-11	7.18E-10
4325	469954.14	3818203.71	1.86E-09	7.81E-09	7.03E-10	1.04E-08	1.55E-09	5.74E-09	5.05E-10	7.79E-09	1.76E-10	1.01E-09	1.20E-10	1.30E-09	1.60E-10	5.26E-10	3.63E-11	7.22E-10
4326	469963.11	3818200.16	1.87E-09	7.86E-09	7.08E-10	1.04E-08	1.56E-09	5.78E-09	5.08E-10	7.85E-09	1.77E-10	1.01E-09	1.21E-10	1.31E-09	1.61E-10	5.30E-10	3.65E-11	7.27E-10
4327	469972.07	3818196.61	1.89E-09	7.93E-09	7.14E-10	1.05E-08	1.57E-09	5.82E-09	5.12E-10	7.91E-09	1.78E-10	1.02E-09	1.22E-10	1.32E-09	1.62E-10	5.34E-10	3.68E-11	7.33E-10
4328	469981.04	3818193.06	1.90E-09	7.99E-09	7.19E-10	1.06E-08	1.58E-09	5.87E-09	5.16E-10	7.97E-09	1.80E-10	1.03E-09	1.23E-10	1.33E-09	1.63E-10	5.38E-10	3.71E-11	7.39E-10
4329	469990	3818189.51	1.92E-09	8.05E-09	7.25E-10	1.07E-08	1.60E-09	5.91E-09	5.20E-10	8.03E-09	1.81E-10	1.04E-09	1.24E-10	1.34E-09	1.65E-10	5.42E-10	3.74E-11	7.44E-10
4330	469998.97	3818185.96	1.93E-09	8.11E-09	7.30E-10	1.08E-08	1.61E-09	5.96E-09	5.24E-10	8.09E-09	1.82E-10	1.04E-09	1.25E-10	1.35E-09	1.66E-10	5.47E-10	3.77E-11	7.50E-10
4331	470007.93	3818182.41	1.95E-09	8.17E-09	7.36E-10	1.08E-08	1.62E-09	6.00E-09	5.28E-10	8.15E-09	1.84E-10	1.05E-09	1.25E-10	1.36E-09	1.67E-10	5.51E-10	3.80E-11	7.56E-10

4332	470043.79	3818168.21	1.99E-09	8.36E-09	7.53E-10	1.11E-08	1.66E-09	6.15E-09	5.41E-10	8.35E-09	1.88E-10	1.08E-09	1.28E-10	1.39E-09	1.71E-10	5.64E-10	3.89E-11	7.74E-10
4333	470052.76	3818164.66	2.00E-09	8.40E-09	7.56E-10	1.12E-08	1.67E-09	6.17E-09	5.43E-10	8.38E-09	1.89E-10	1.08E-09	1.29E-10	1.40E-09	1.72E-10	5.66E-10	3.90E-11	7.77E-10
4334	470061.72	3818161.1	2.00E-09	8.42E-09	7.58E-10	1.12E-08	1.67E-09	6.19E-09	5.44E-10	8.40E-09	1.89E-10	1.08E-09	1.29E-10	1.40E-09	1.72E-10	5.67E-10	3.91E-11	7.79E-10
4335	470070.69	3818157.55	2.01E-09	8.43E-09	7.59E-10	1.12E-08	1.67E-09	6.19E-09	5.45E-10	8.41E-09	1.90E-10	1.08E-09	1.29E-10	1.40E-09	1.72E-10	5.68E-10	3.92E-11	7.79E-10
4336	470079.65	3818154	2.01E-09	8.42E-09	7.59E-10	1.12E-08	1.67E-09	6.19E-09	5.45E-10	8.41E-09	1.89E-10	1.08E-09	1.29E-10	1.40E-09	1.72E-10	5.68E-10	3.91E-11	7.79E-10
4337	470088.62	3818150.45	1.96E-09	8.22E-09	7.40E-10	1.09E-08	1.63E-09	6.04E-09	5.31E-10	8.20E-09	1.85E-10	1.06E-09	1.26E-10	1.37E-09	1.68E-10	5.54E-10	3.82E-11	7.60E-10
4338	470097.58	3818146.9	1.95E-09	8.20E-09	7.38E-10	1.09E-08	1.63E-09	6.03E-09	5.30E-10	8.18E-09	1.84E-10	1.06E-09	1.26E-10	1.37E-09	1.68E-10	5.53E-10	3.81E-11	7.58E-10
4339	470106.55	3818143.35	1.95E-09	8.17E-09	7.36E-10	1.09E-08	1.62E-09	6.00E-09	5.28E-10	8.15E-09	1.84E-10	1.05E-09	1.26E-10	1.36E-09	1.67E-10	5.51E-10	3.80E-11	7.56E-10
4340	470115.51	3818139.8	1.94E-09	8.13E-09	7.33E-10	1.08E-08	1.61E-09	5.98E-09	5.26E-10	8.12E-09	1.83E-10	1.05E-09	1.25E-10	1.35E-09	1.66E-10	5.48E-10	3.78E-11	7.52E-10
4341	469008.78	3819233.42	5.63E-10	2.36E-09	2.13E-10	3.14E-09	4.69E-10	1.74E-09	1.53E-10	2.36E-09	5.31E-11	3.04E-10	3.63E-11	3.94E-10	4.83E-11	1.59E-10	1.10E-11	2.19E-10
4342	469008.59	3819243.06	5.73E-10	2.41E-09	2.17E-10	3.20E-09	4.77E-10	1.77E-09	1.56E-10	2.40E-09	5.41E-11	3.10E-10	3.70E-11	4.01E-10	4.92E-11	1.62E-10	1.12E-11	2.23E-10
4343	469008.4	3819252.71	5.83E-10	2.45E-09	2.20E-10	3.25E-09	4.85E-10	1.80E-09	1.58E-10	2.44E-09	5.50E-11	3.15E-10	3.76E-11	4.07E-10	5.00E-11	1.65E-10	1.14E-11	2.26E-10
4344	469008.2	3819262.36	5.92E-10	2.49E-09	2.24E-10	3.30E-09	4.93E-10	1.83E-09	1.61E-10	2.48E-09	5.59E-11	3.20E-10	3.82E-11	4.14E-10	5.08E-11	1.68E-10	1.16E-11	2.30E-10
4345	469008.01	3819272.01	6.01E-10	2.52E-09	2.27E-10	3.35E-09	5.01E-10	1.85E-09	1.63E-10	2.52E-09	5.68E-11	3.25E-10	3.88E-11	4.20E-10	5.16E-11	1.70E-10	1.17E-11	2.33E-10
4346	469007.82	3819281.66	6.11E-10	2.56E-09	2.31E-10	3.41E-09	5.09E-10	1.88E-09	1.66E-10	2.56E-09	5.77E-11	3.30E-10	3.94E-11	4.27E-10	5.24E-11	1.73E-10	1.19E-11	2.37E-10
4347	469007.62	3819291.3	6.20E-10	2.60E-09	2.34E-10	3.46E-09	5.16E-10	1.91E-09	1.68E-10	2.60E-09	5.85E-11	3.35E-10	4.00E-11	4.33E-10	5.32E-11	1.75E-10	1.21E-11	2.41E-10
4348	469007.43	3819300.95	6.28E-10	2.64E-09	2.38E-10	3.51E-09	5.23E-10	1.94E-09	1.71E-10	2.63E-09	5.93E-11	3.40E-10	4.05E-11	4.40E-10	5.40E-11	1.78E-10	1.23E-11	2.44E-10
4349	469007.24	3819310.6	6.37E-10	2.67E-09	2.41E-10	3.55E-09	5.30E-10	1.96E-09	1.73E-10	2.67E-09	6.01E-11	3.44E-10	4.11E-11	4.45E-10	5.47E-11	1.80E-10	1.24E-11	2.47E-10
4350	469007.05	3819320.25	6.45E-10	2.71E-09	2.44E-10	3.60E-09	5.37E-10	1.99E-09	1.75E-10	2.70E-09	6.09E-11	3.49E-10	4.16E-11	4.51E-10	5.54E-11	1.83E-10	1.26E-11	2.51E-10
4351	469006.85	3819329.9	6.53E-10	2.74E-09	2.47E-10	3.64E-09	5.44E-10	2.02E-09	1.77E-10	2.74E-09	6.17E-11	3.53E-10	4.21E-11	4.57E-10	5.61E-11	1.85E-10	1.27E-11	2.54E-10
4352	469006.66	3819339.55	6.60E-10	2.77E-09	2.50E-10	3.68E-09	5.50E-10	2.04E-09	1.79E-10	2.77E-09	6.23E-11	3.57E-10	4.26E-11	4.62E-10	5.67E-11	1.87E-10	1.29E-11	2.56E-10
4353	469006.47	3819349.19	6.68E-10	2.80E-09	2.52E-10	3.72E-09	5.56E-10	2.06E-09	1.81E-10	2.80E-09	6.30E-11	3.61E-10	4.31E-11	4.67E-10	5.73E-11	1.89E-10	1.30E-11	2.59E-10
4354	469006.27	3819358.84	6.74E-10	2.83E-09	2.55E-10	3.76E-09	5.62E-10	2.08E-09	1.83E-10	2.83E-09	6.37E-11	3.65E-10	4.35E-11	4.72E-10	5.79E-11	1.91E-10	1.32E-11	2.62E-10
4355	469006.08	3819368.49	6.81E-10	2.86E-09	2.58E-10	3.80E-09	5.67E-10	2.10E-09	1.85E-10	2.85E-09	6.43E-11	3.68E-10	4.39E-11	4.77E-10	5.85E-11	1.93E-10	1.33E-11	2.65E-10
4356	469005.89	3819378.14	6.87E-10	2.89E-09	2.60E-10	3.83E-09	5.73E-10	2.12E-09	1.87E-10	2.88E-09	6.49E-11	3.72E-10	4.43E-11	4.81E-10	5.90E-11	1.95E-10	1.34E-11	2.67E-10
4357	469005.69	3819387.79	6.94E-10	2.91E-09	2.62E-10	3.87E-09	5.78E-10	2.14E-09	1.88E-10	2.91E-09	6.55E-11	3.75E-10	4.47E-11	4.85E-10	5.95E-11	1.96E-10	1.35E-11	2.69E-10
4358	469005.5	3819397.43	7.01E-10	2.94E-09	2.65E-10	3.91E-09	5.83E-10	2.16E-09	1.90E-10	2.94E-09	6.62E-11	3.79E-10	4.52E-11	4.90E-10	6.01E-11	1.98E-10	1.37E-11	2.72E-10
4359	469005.31	3819407.08	7.18E-10	3.01E-09	2.71E-10	4.00E-09	5.98E-10	2.21E-09	1.95E-10	3.01E-09	6.78E-11	3.88E-10	4.63E-11	5.02E-10	6.16E-11	2.03E-10	1.40E-11	2.79E-10
4360	469005.11	3819416.73	7.27E-10	3.05E-09	2.75E-10	4.06E-09	6.06E-10	2.24E-09	1.97E-10	3.05E-09	6.87E-11	3.93E-10	4.69E-11	5.09E-10	6.24E-11	2.06E-10	1.42E-11	2.82E-10
4361	469004.92	3819426.38	7.38E-10	3.10E-09	2.79E-10	4.11E-09	6.14E-10	2.28E-09	2.00E-10	3.09E-09	6.96E-11	3.99E-10	4.76E-11	5.16E-10	6.33E-11	2.09E-10	1.44E-11	2.86E-10
4362	469078.44	3818870.28	5.54E-10	2.33E-09	2.09E-10	3.09E-09	4.61E-10	1.71E-09	1.50E-10	2.32E-09	5.23E-11	2.99E-10	3.57E-11	3.87E-10	4.75E-11	1.57E-10	1.08E-11	2.15E-10
4363	469082.27	3818861.5	5.63E-10	2.37E-09	2.13E-10	3.14E-09	4.69E-10	1.74E-09	1.53E-10	2.36E-09	5.32E-11	3.05E-10	3.63E-11	3.94E-10	4.84E-11	1.59E-10	1.10E-11	2.19E-10
4364	469086.09	3818852.73	5.73E-10	2.41E-09	2.17E-10	3.20E-09	4.77E-10	1.77E-09	1.56E-10	2.40E-09	5.41E-11	3.10E-10	3.70E-11	4.01E-10	4.92E-11	1.62E-10	1.12E-11	2.23E-10
4365	469089.92	3818843.95	5.84E-10	2.45E-09	2.21E-10	3.26E-09	4.86E-10	1.80E-09	1.58E-10	2.45E-09	5.51E-11	3.16E-10	3.77E-11	4.08E-10	5.01E-11	1.65E-10	1.14E-11	2.27E-10
4366	469093.75	3818835.18	5.94E-10	2.50E-09	2.25E-10	3.31E-09	4.95E-10	1.83E-09	1.61E-10	2.49E-09	5.61E-11	3.21E-10	3.83E-11	4.16E-10	5.10E-11	1.68E-10	1.16E-11	2.31E-10
4367	469097.58	3818826.4	6.04E-10	2.54E-09	2.28E-10	3.37E-09	5.03E-10	1.86E-09	1.64E-10	2.53E-09	5.70E-11	3.26E-10	3.89E-11	4.22E-10	5.18E-11	1.71E-10	1.18E-11	2.35E-10
4368	469101.4	3818817.63	6.14E-10	2.58E-09	2.32E-10	3.43E-09	5.11E-10	1.89E-09	1.67E-10	2.57E-09	5.80E-11	3.32E-10	3.96E-11	4.30E-10	5.27E-11	1.74E-10	1.20E-11	2.39E-10
4369	469105.23	3818808.85	6.25E-10	2.62E-09	2.36E-10	3.49E-09	5.21E-10	1.93E-09	1.70E-10	2.62E-09	5.90E-11	3.38E-10	4.03E-11	4.37E-10	5.37E-11	1.77E-10	1.22E-11	2.43E-10
4370	469109.06	3818800.08	6.36E-10	2.67E-09	2.41E-10	3.55E-09	5.30E-10	1.96E-09	1.73E-10	2.67E-09	6.01E-11	3.44E-10	4.10E-11	4.45E-10	5.46E-11	1.80E-10	1.24E-11	2.47E-10
4371	469112.88	3818791.3	6.48E-10	2.72E-09	2.45E-10	3.62E-09	5.40E-10	2.00E-09	1.76E-10	2.72E-09	6.12E-11	3.51E-10	4.18E-11	4.54E-10	5.57E-11	1.84E-10	1.27E-11	2.52E-10
4372	469116.71	3818782.53	6.60E-10	2.77E-09	2.50E-10	3.68E-09	5.50E-10	2.04E-09	1.79E-10	2.77E-09	6.23E-11	3.57E-10	4.26E-11	4.62E-10	5.67E-11	1.87E-10	1.29E-11	2.56E-10
4373	469120.54	3818773.75	6.72E-10	2.82E-09	2.54E-10	3.75E-09	5.60E-10	2.07E-09	1.83E-10	2.82E-09	6.35E-11	3.63E-10	4.34E-11	4.70E-10	5.77E-11	1.90E-10	1.31E-11	2.61E-10
4374	469124.36	3818764.97	6.84E-10	2.87E-09	2.59E-10	3.82E-09	5.70E-10	2.11E-09	1.86E-10	2.87E-09	6.46E-11	3.70E-10	4.41E-11	4.79E-10	5.87E-11	1.94E-10	1.33E-11	2.66E-10
4375	469128.19	3818756.2	6.96E-10	2.92E-09	2.63E-10	3.88E-09	5.80E-10	2.15E-09	1.89E-10	2.92E-09	6.58E-11	3.76E-10	4.49E-11	4.87E-10	5.98E-11	1.97E-10	1.36E-11	2.70E-10
4376	469132.02	3818747.42	7.09E-10	2.98E-09	2.68E-10	3.95E-09	5.90E-10	2.19E-09	1.92E-10	2.97E-09	6.69E-11	3.83E-10	4.57E-11	4.96E-10	6.08E-11	2.01E-10	1.38E-11	2.75E-10
4377	469135.85	3818738.65	7.20E-10	3.03E-09	2.72E-10	4.02E-09	6.00E-10	2.22E-09	1.96E-10	3.02E-09	6.80E-11	3.89E-10	4.65E-11	5.04E-10	6.18E-11	2.04E-10	1.41E-11	2.80E-10
4378	469139.67	3818729.87	7.32E-10	3.07E-09	2.77E-10	4.08E-09	6.10E-10	2.26E-09	1.99E-10	3.07E-09	6.91E-11	3.96E-10	4.72E-11	5.12E-10	6.28E-11	2.07E-10	1.43E-11	2.84E-10
4379	469143.5	3818721.1	7.43E-10	3.12E-09	2.81E-10	4.14E-09	6.19E-10	2.29E-09	2.02E-10	3.11E-09	7.02E-11	4.02E-10	4.79E-11	5.20E-10	6.38E-11	2.10E-10	1.45E-11	2.89E-10
4380	469147.33	3818712.32	7.55E-10	3.17E-09	2.85E-10	4.21E-09	6.29E-10	2.33E-09	2.05E-10	3.16E-09	7.13E-11	4.08E-10	4.87E-11	5.28E-10	6.48E-11	2.14E-10	1.47E-11	2.93E-10
4381	469151.15	3818703.55	7.65E-10	3.21E-09	2.89E-10	4.27E-09	6.37E-10	2.36E-09	2.08E-10	3.21E-09	7.22E-11	4.14E-10	4.93E-11	5.35E-10	6.57E-11	2.17E-10	1.49E-11	2.97E-10
4382	469154.98	3818694.77	7.75E-10	3.26E-09	2.93E-10	4.32E-09	6.46E-10	2.39E-09	2.10E-10	3.25E-09	7.32E-11	4.19E-10	5.00E-11	5.42E-10	6.66E-11	2.19E-10	1.51E-11	3.01E-10

4383	469158.81	3818686	7.86E-10	3.30E-09	2.97E-10	4.38E-09	6.54E-10	2.42E-09	2.13E-10	3.29E-09	7.42E-11	4.25E-10	5.07E-11	5.50E-10	6.74E-11	2.22E-10	1.53E-11	3.05E-10
4384	469162.63	3818677.22	7.95E-10	3.34E-09	3.01E-10	4.44E-09	6.62E-10	2.45E-09	2.16E-10	3.33E-09	7.51E-11	4.30E-10	5.13E-11	5.56E-10	6.83E-11	2.25E-10	1.55E-11	3.09E-10
4385	469166.46	3818668.45	8.04E-10	3.38E-09	3.04E-10	4.49E-09	6.70E-10	2.48E-09	2.18E-10	3.37E-09	7.59E-11	4.35E-10	5.19E-11	5.63E-10	6.90E-11	2.28E-10	1.57E-11	3.12E-10
4386	469170.29	3818659.67	8.13E-10	3.41E-09	3.07E-10	4.53E-09	6.77E-10	2.51E-09	2.21E-10	3.41E-09	7.68E-11	4.40E-10	5.24E-11	5.69E-10	6.98E-11	2.30E-10	1.59E-11	3.16E-10
4387	469174.12	3818650.9	8.21E-10	3.45E-09	3.10E-10	4.58E-09	6.83E-10	2.53E-09	2.23E-10	3.44E-09	7.75E-11	4.44E-10	5.29E-11	5.74E-10	7.04E-11	2.32E-10	1.60E-11	3.19E-10
4388	469177.94	3818642.12	8.28E-10	3.48E-09	3.13E-10	4.62E-09	6.90E-10	2.56E-09	2.25E-10	3.47E-09	7.82E-11	4.48E-10	5.34E-11	5.79E-10	7.11E-11	2.34E-10	1.62E-11	3.22E-10
4389	469181.77	3818633.34	8.35E-10	3.51E-09	3.16E-10	4.66E-09	6.95E-10	2.58E-09	2.27E-10	3.50E-09	7.88E-11	4.51E-10	5.39E-11	5.84E-10	7.17E-11	2.36E-10	1.63E-11	3.24E-10
4390	469185.6	3818624.57	8.41E-10	3.53E-09	3.18E-10	4.69E-09	7.01E-10	2.60E-09	2.28E-10	3.52E-09	7.94E-11	4.55E-10	5.43E-11	5.88E-10	7.22E-11	2.38E-10	1.64E-11	3.27E-10
4391	469189.42	3818615.79	8.47E-10	3.56E-09	3.20E-10	4.73E-09	7.06E-10	2.61E-09	2.30E-10	3.55E-09	8.00E-11	4.58E-10	5.47E-11	5.93E-10	7.27E-11	2.40E-10	1.65E-11	3.29E-10
4392	469193.25	3818607.02	8.53E-10	3.58E-09	3.23E-10	4.76E-09	7.10E-10	2.63E-09	2.32E-10	3.57E-09	8.05E-11	4.61E-10	5.50E-11	5.97E-10	7.32E-11	2.41E-10	1.66E-11	3.31E-10
4393	469197.08	3818598.24	8.58E-10	3.60E-09	3.24E-10	4.78E-09	7.14E-10	2.65E-09	2.33E-10	3.59E-09	8.10E-11	4.64E-10	5.53E-11	6.00E-10	7.36E-11	2.43E-10	1.67E-11	3.33E-10
4394	469200.91	3818589.47	8.62E-10	3.62E-09	3.26E-10	4.81E-09	7.18E-10	2.66E-09	2.34E-10	3.61E-09	8.14E-11	4.66E-10	5.56E-11	6.03E-10	7.40E-11	2.44E-10	1.68E-11	3.35E-10
4395	469204.73	3818580.69	8.66E-10	3.64E-09	3.27E-10	4.83E-09	7.21E-10	2.67E-09	2.35E-10	3.63E-09	8.18E-11	4.68E-10	5.58E-11	6.06E-10	7.43E-11	2.45E-10	1.69E-11	3.36E-10
4396	469208.56	3818571.92	8.69E-10	3.65E-09	3.29E-10	4.85E-09	7.24E-10	2.68E-09	2.36E-10	3.64E-09	8.21E-11	4.70E-10	5.61E-11	6.08E-10	7.46E-11	2.46E-10	1.70E-11	3.38E-10
4397	469212.39	3818563.14	8.73E-10	3.67E-09	3.30E-10	4.87E-09	7.27E-10	2.69E-09	2.37E-10	3.66E-09	8.24E-11	4.72E-10	5.63E-11	6.10E-10	7.49E-11	2.47E-10	1.70E-11	3.39E-10
4398	469216.21	3818554.37	8.76E-10	3.68E-09	3.31E-10	4.89E-09	7.30E-10	2.70E-09	2.38E-10	3.67E-09	8.27E-11	4.74E-10	5.65E-11	6.13E-10	7.52E-11	2.48E-10	1.71E-11	3.40E-10
4399	469220.04	3818545.59	8.79E-10	3.69E-09	3.32E-10	4.90E-09	7.32E-10	2.71E-09	2.39E-10	3.68E-09	8.30E-11	4.75E-10	5.67E-11	6.15E-10	7.54E-11	2.49E-10	1.71E-11	3.41E-10
4400	469223.87	3818536.82	8.82E-10	3.70E-09	3.33E-10	4.92E-09	7.34E-10	2.72E-09	2.39E-10	3.69E-09	8.33E-11	4.77E-10	5.69E-11	6.17E-10	7.57E-11	2.50E-10	1.72E-11	3.42E-10
4401	469227.69	3818528.04	8.84E-10	3.71E-09	3.34E-10	4.93E-09	7.36E-10	2.73E-09	2.40E-10	3.70E-09	8.34E-11	4.78E-10	5.70E-11	6.18E-10	7.59E-11	2.50E-10	1.72E-11	3.43E-10
4402	469231.52	3818519.26	8.86E-10	3.72E-09	3.35E-10	4.94E-09	7.38E-10	2.74E-09	2.41E-10	3.71E-09	8.37E-11	4.79E-10	5.72E-11	6.20E-10	7.61E-11	2.51E-10	1.73E-11	3.44E-10
4403	469235.35	3818510.49	8.89E-10	3.73E-09	3.36E-10	4.96E-09	7.41E-10	2.74E-09	2.41E-10	3.73E-09	8.40E-11	4.81E-10	5.74E-11	6.22E-10	7.63E-11	2.52E-10	1.74E-11	3.45E-10
4404	469239.18	3818501.71	8.92E-10	3.75E-09	3.37E-10	4.97E-09	7.43E-10	2.75E-09	2.42E-10	3.74E-09	8.42E-11	4.82E-10	5.75E-11	6.24E-10	7.66E-11	2.52E-10	1.74E-11	3.46E-10
4405	469243	3818492.94	8.93E-10	3.75E-09	3.38E-10	4.98E-09	7.44E-10	2.76E-09	2.42E-10	3.74E-09	8.44E-11	4.83E-10	5.76E-11	6.25E-10	7.67E-11	2.53E-10	1.74E-11	3.47E-10
4406	469246.83	3818484.16	8.95E-10	3.76E-09	3.39E-10	4.99E-09	7.46E-10	2.76E-09	2.43E-10	3.75E-09	8.46E-11	4.84E-10	5.78E-11	6.26E-10	7.69E-11	2.53E-10	1.75E-11	3.48E-10
4407	469250.66	3818475.39	8.97E-10	3.77E-09	3.39E-10	5.01E-09	7.48E-10	2.77E-09	2.44E-10	3.76E-09	8.47E-11	4.85E-10	5.79E-11	6.28E-10	7.70E-11	2.54E-10	1.75E-11	3.49E-10
4408	469254.48	3818466.61	9.00E-10	3.78E-09	3.40E-10	5.02E-09	7.50E-10	2.78E-09	2.44E-10	3.77E-09	8.50E-11	4.87E-10	5.81E-11	6.30E-10	7.73E-11	2.55E-10	1.76E-11	3.50E-10
4409	469258.31	3818457.84	9.04E-10	3.80E-09	3.42E-10	5.04E-09	7.53E-10	2.79E-09	2.45E-10	3.79E-09	8.54E-11	4.89E-10	5.83E-11	6.33E-10	7.76E-11	2.56E-10	1.76E-11	3.51E-10
4410	469297.83	3818384.11	9.52E-10	4.00E-09	3.60E-10	5.31E-09	7.93E-10	2.94E-09	2.59E-10	3.99E-09	8.99E-11	5.15E-10	6.14E-11	6.66E-10	8.18E-11	2.70E-10	1.86E-11	3.70E-10
4411	469306.73	3818380.58	9.69E-10	4.07E-09	3.66E-10	5.40E-09	8.07E-10	2.99E-09	2.63E-10	4.06E-09	9.15E-11	5.24E-10	6.25E-11	6.78E-10	8.32E-11	2.74E-10	1.89E-11	3.76E-10
4412	469315.63	3818377.06	9.85E-10	4.14E-09	3.73E-10	5.50E-09	8.21E-10	3.04E-09	2.67E-10	4.13E-09	9.30E-11	5.33E-10	6.35E-11	6.89E-10	8.46E-11	2.79E-10	1.92E-11	3.83E-10
4413	469324.53	3818373.53	1.00E-09	4.21E-09	3.79E-10	5.59E-09	8.34E-10	3.09E-09	2.72E-10	4.20E-09	9.46E-11	5.42E-10	6.46E-11	7.01E-10	8.60E-11	2.84E-10	1.95E-11	3.89E-10
4414	469333.43	3818370.01	1.02E-09	4.28E-09	3.85E-10	5.68E-09	8.49E-10	3.14E-09	2.77E-10	4.27E-09	9.62E-11	5.51E-10	6.57E-11	7.13E-10	8.75E-11	2.88E-10	1.99E-11	3.96E-10
4415	469342.33	3818366.48	1.04E-09	4.35E-09	3.92E-10	5.77E-09	8.62E-10	3.19E-09	2.81E-10	4.34E-09	9.78E-11	5.60E-10	6.68E-11	7.24E-10	8.89E-11	2.93E-10	2.02E-11	4.02E-10
4416	469351.23	3818362.96	1.05E-09	4.42E-09	3.98E-10	5.87E-09	8.76E-10	3.25E-09	2.86E-10	4.41E-09	9.93E-11	5.69E-10	6.78E-11	7.36E-10	9.03E-11	2.98E-10	2.05E-11	4.09E-10
4417	469360.13	3818359.43	1.07E-09	4.48E-09	4.04E-10	5.95E-09	8.89E-10	3.29E-09	2.90E-10	4.47E-09	1.01E-10	5.77E-10	6.89E-11	7.47E-10	9.17E-11	3.02E-10	2.08E-11	4.15E-10
4418	469369.03	3818355.91	1.08E-09	4.54E-09	4.09E-10	6.03E-09	9.01E-10	3.34E-09	2.94E-10	4.53E-09	1.02E-10	5.85E-10	6.98E-11	7.57E-10	9.29E-11	3.06E-10	2.11E-11	4.20E-10
4419	469377.94	3818352.38	1.10E-09	4.61E-09	4.15E-10	6.12E-09	9.14E-10	3.39E-09	2.98E-10	4.60E-09	1.04E-10	5.93E-10	7.08E-11	7.67E-10	9.42E-11	3.11E-10	2.14E-11	4.26E-10
4420	469386.84	3818348.86	1.11E-09	4.66E-09	4.20E-10	6.20E-09	9.25E-10	3.43E-09	3.02E-10	4.65E-09	1.05E-10	6.00E-10	7.16E-11	7.77E-10	9.54E-11	3.14E-10	2.17E-11	4.31E-10
4421	469395.74	3818345.33	1.13E-09	4.73E-09	4.26E-10	6.28E-09	9.37E-10	3.47E-09	3.05E-10	4.71E-09	1.06E-10	6.08E-10	7.26E-11	7.87E-10	9.66E-11	3.19E-10	2.20E-11	4.37E-10
4422	469404.64	3818341.81	1.14E-09	4.78E-09	4.30E-10	6.35E-09	9.48E-10	3.51E-09	3.09E-10	4.77E-09	1.07E-10	6.15E-10	7.34E-11	7.96E-10	9.77E-11	3.22E-10	2.22E-11	4.42E-10
4423	469413.54	3818338.28	1.15E-09	4.83E-09	4.35E-10	6.42E-09	9.59E-10	3.55E-09	3.13E-10	4.82E-09	1.09E-10	6.22E-10	7.43E-11	8.05E-10	9.88E-11	3.26E-10	2.25E-11	4.47E-10
4424	469422.44	3818334.76	1.16E-09	4.88E-09	4.40E-10	6.49E-09	9.69E-10	3.59E-09	3.16E-10	4.87E-09	1.10E-10	6.29E-10	7.50E-11	8.14E-10	9.98E-11	3.29E-10	2.27E-11	4.52E-10
4425	469431.34	3818331.23	1.17E-09	4.93E-09	4.44E-10	6.55E-09	9.78E-10	3.62E-09	3.19E-10	4.92E-09	1.11E-10	6.35E-10	7.57E-11	8.21E-10	1.01E-10	3.32E-10	2.29E-11	4.56E-10
4426	469440.24	3818327.7	1.19E-09	4.98E-09	4.48E-10	6.61E-09	9.88E-10	3.66E-09	3.22E-10	4.97E-09	1.12E-10	6.41E-10	7.65E-11	8.29E-10	1.02E-10	3.36E-10	2.31E-11	4.61E-10
4427	469449.14	3818324.18	1.20E-09	5.02E-09	4.52E-10	6.67E-09	9.96E-10	3.69E-09	3.25E-10	5.01E-09	1.13E-10	6.46E-10	7.71E-11	8.37E-10	1.03E-10	3.39E-10	2.33E-11	4.65E-10
4428	469458.04	3818320.65	1.20E-09	5.06E-09	4.56E-10	6.72E-09	1.00E-09	3.72E-09	3.27E-10	5.05E-09	1.14E-10	6.51E-10	7.77E-11	8.43E-10	1.03E-10	3.41E-10	2.35E-11	4.68E-10
4429	469466.94	3818317.13	1.21E-09	5.10E-09	4.59E-10	6.77E-09	1.01E-09	3.75E-09	3.29E-10	5.09E-09	1.15E-10	6.56E-10	7.83E-11	8.49E-10	1.04E-10	3.44E-10	2.37E-11	4.71E-10
4430	469475.84	3818313.6	1.22E-09	5.13E-09	4.62E-10	6.82E-09	1.02E-09	3.77E-09	3.32E-10	5.12E-09	1.15E-10	6.61E-10	7.89E-11	8.55E-10	1.05E-10	3.46E-10	2.39E-11	4.75E-10
4431	469484.75	3818310.08	1.23E-09	5.17E-09	4.66E-10	6.87E-09	1.03E-09	3.80E-09	3.34E-10	5.16E-09	1.16E-10	6.65E-10	7.94E-11	8.61E-10	1.06E-10	3.48E-10	2.40E-11	4.78E-10
4432	469493.65	3818306.55	1.24E-09	5.20E-09	4.69E-10	6.91E-09	1.03E-09	3.82E-09	3.36E-10	5.19E-09	1.17E-10	6.70E-10	7.99E-11	8.67E-10	1.06E-10	3.51E-10	2.42E-11	4.81E-10
4433	469502.55	3818303.03	1.25E-09	5.24E-09	4.71E-10	6.95E-09	1.04E-09	3.85E-09	3.38E-10	5.22E-09	1.18E-10	6.74E-10	8.04E-11	8.72E-10	1.07E-10	3.53E-10	2.43E-11	4.84E-10

4434	469511.45	3818299.5	1.25E-09	5.27E-09	4.75E-10	7.00E-09	1.05E-09	3.87E-09	3.41E-10	5.26E-09	1.19E-10	6.78E-10	8.09E-11	8.78E-10	1.08E-10	3.55E-10	2.45E-11	4.87E-10
4435	469520.35	3818295.98	1.26E-09	5.31E-09	4.78E-10	7.05E-09	1.05E-09	3.90E-09	3.43E-10	5.30E-09	1.19E-10	6.84E-10	8.16E-11	8.85E-10	1.09E-10	3.58E-10	2.47E-11	4.91E-10
4436	469529.25	3818292.45	1.27E-09	5.35E-09	4.82E-10	7.11E-09	1.06E-09	3.93E-09	3.46E-10	5.34E-09	1.20E-10	6.89E-10	8.22E-11	8.91E-10	1.09E-10	3.61E-10	2.49E-11	4.95E-10
4437	469538.15	3818288.93	1.28E-09	5.39E-09	4.85E-10	7.16E-09	1.07E-09	3.96E-09	3.48E-10	5.38E-09	1.21E-10	6.94E-10	8.28E-11	8.98E-10	1.10E-10	3.63E-10	2.50E-11	4.98E-10
4438	469547.05	3818285.4	1.29E-09	5.43E-09	4.89E-10	7.21E-09	1.08E-09	3.99E-09	3.51E-10	5.41E-09	1.22E-10	6.98E-10	8.33E-11	9.04E-10	1.11E-10	3.66E-10	2.52E-11	5.02E-10
4439	469555.95	3818281.88	1.30E-09	5.46E-09	4.92E-10	7.26E-09	1.08E-09	4.01E-09	3.53E-10	5.45E-09	1.23E-10	7.03E-10	8.39E-11	9.10E-10	1.12E-10	3.68E-10	2.54E-11	5.05E-10
4440	469564.85	3818278.35	1.31E-09	5.50E-09	4.96E-10	7.31E-09	1.09E-09	4.04E-09	3.56E-10	5.49E-09	1.24E-10	7.08E-10	8.45E-11	9.17E-10	1.12E-10	3.71E-10	2.56E-11	5.09E-10
4441	469573.75	3818274.83	1.32E-09	5.55E-09	4.99E-10	7.37E-09	1.10E-09	4.08E-09	3.59E-10	5.53E-09	1.25E-10	7.14E-10	8.52E-11	9.24E-10	1.13E-10	3.74E-10	2.58E-11	5.13E-10
4442	469582.66	3818271.3	1.33E-09	5.59E-09	5.03E-10	7.42E-09	1.11E-09	4.11E-09	3.61E-10	5.57E-09	1.26E-10	7.19E-10	8.58E-11	9.31E-10	1.14E-10	3.77E-10	2.60E-11	5.17E-10
4443	469591.56	3818267.77	1.34E-09	5.63E-09	5.07E-10	7.47E-09	1.12E-09	4.13E-09	3.64E-10	5.61E-09	1.27E-10	7.24E-10	8.64E-11	9.37E-10	1.15E-10	3.79E-10	2.61E-11	5.20E-10
4444	469600.46	3818264.25	1.35E-09	5.67E-09	5.11E-10	7.53E-09	1.12E-09	4.17E-09	3.67E-10	5.66E-09	1.28E-10	7.30E-10	8.71E-11	9.45E-10	1.16E-10	3.82E-10	2.63E-11	5.24E-10
4445	469609.36	3818260.72	1.36E-09	5.71E-09	5.15E-10	7.59E-09	1.13E-09	4.20E-09	3.69E-10	5.70E-09	1.28E-10	7.36E-10	8.78E-11	9.52E-10	1.17E-10	3.85E-10	2.65E-11	5.28E-10
4446	469618.26	3818257.2	1.37E-09	5.76E-09	5.18E-10	7.65E-09	1.14E-09	4.23E-09	3.72E-10	5.74E-09	1.29E-10	7.41E-10	8.84E-11	9.59E-10	1.18E-10	3.88E-10	2.67E-11	5.32E-10
4447	469627.16	3818253.67	1.38E-09	5.80E-09	5.23E-10	7.71E-09	1.15E-09	4.26E-09	3.75E-10	5.79E-09	1.30E-10	7.47E-10	8.91E-11	9.67E-10	1.19E-10	3.91E-10	2.70E-11	5.37E-10
4448	469636.06	3818250.15	1.39E-09	5.85E-09	5.27E-10	7.77E-09	1.16E-09	4.30E-09	3.78E-10	5.84E-09	1.32E-10	7.53E-10	8.99E-11	9.75E-10	1.20E-10	3.94E-10	2.72E-11	5.41E-10
4449	469644.96	3818246.62	1.41E-09	5.90E-09	5.32E-10	7.84E-09	1.17E-09	4.34E-09	3.82E-10	5.89E-09	1.33E-10	7.60E-10	9.07E-11	9.83E-10	1.21E-10	3.98E-10	2.74E-11	5.46E-10
4450	469653.86	3818243.1	1.42E-09	5.95E-09	5.36E-10	7.91E-09	1.18E-09	4.37E-09	3.85E-10	5.94E-09	1.34E-10	7.66E-10	9.14E-11	9.92E-10	1.22E-10	4.01E-10	2.77E-11	5.51E-10
4451	469662.76	3818239.57	1.43E-09	6.00E-09	5.40E-10	7.97E-09	1.19E-09	4.41E-09	3.88E-10	5.99E-09	1.35E-10	7.73E-10	9.22E-11	1.00E-09	1.23E-10	4.05E-10	2.79E-11	5.55E-10
4452	469671.66	3818236.05	1.44E-09	6.05E-09	5.44E-10	8.03E-09	1.20E-09	4.44E-09	3.91E-10	6.03E-09	1.36E-10	7.78E-10	9.28E-11	1.01E-09	1.24E-10	4.07E-10	2.81E-11	5.59E-10
4453	469716.17	3818218.42	1.49E-09	6.24E-09	5.62E-10	8.29E-09	1.24E-09	4.59E-09	4.04E-10	6.23E-09	1.40E-10	8.04E-10	9.59E-11	1.04E-09	1.28E-10	4.21E-10	2.90E-11	5.78E-10
4454	469725.07	3818214.9	1.50E-09	6.28E-09	5.66E-10	8.34E-09	1.25E-09	4.62E-09	4.06E-10	6.27E-09	1.41E-10	8.09E-10	9.65E-11	1.05E-09	1.28E-10	4.23E-10	2.92E-11	5.81E-10
4455	469733.97	3818211.37	1.50E-09	6.32E-09	5.69E-10	8.39E-09	1.25E-09	4.64E-09	4.08E-10	6.30E-09	1.42E-10	8.13E-10	9.70E-11	1.05E-09	1.29E-10	4.26E-10	2.93E-11	5.84E-10
4456	469742.87	3818207.84	1.51E-09	6.35E-09	5.72E-10	8.43E-09	1.26E-09	4.67E-09	4.10E-10	6.34E-09	1.43E-10	8.17E-10	9.75E-11	1.06E-09	1.30E-10	4.28E-10	2.95E-11	5.87E-10
4457	469751.77	3818204.32	1.52E-09	6.38E-09	5.75E-10	8.48E-09	1.27E-09	4.69E-09	4.13E-10	6.37E-09	1.44E-10	8.22E-10	9.80E-11	1.06E-09	1.30E-10	4.30E-10	2.97E-11	5.90E-10
4458	469760.67	3818200.79	1.53E-09	6.41E-09	5.77E-10	8.51E-09	1.27E-09	4.71E-09	4.14E-10	6.39E-09	1.44E-10	8.25E-10	9.84E-11	1.07E-09	1.31E-10	4.32E-10	2.98E-11	5.93E-10
4459	469769.57	3818197.27	1.53E-09	6.43E-09	5.79E-10	8.54E-09	1.28E-09	4.73E-09	4.16E-10	6.42E-09	1.45E-10	8.28E-10	9.88E-11	1.07E-09	1.31E-10	4.33E-10	2.99E-11	5.95E-10
4460	469778.47	3818193.74	1.54E-09	6.45E-09	5.81E-10	8.57E-09	1.28E-09	4.74E-09	4.17E-10	6.44E-09	1.45E-10	8.30E-10	9.91E-11	1.07E-09	1.32E-10	4.35E-10	3.00E-11	5.97E-10
4461	469787.37	3818190.22	1.54E-09	6.47E-09	5.83E-10	8.60E-09	1.28E-09	4.76E-09	4.18E-10	6.46E-09	1.46E-10	8.33E-10	9.94E-11	1.08E-09	1.32E-10	4.36E-10	3.01E-11	5.99E-10
4462	469796.28	3818186.69	1.55E-09	6.49E-09	5.84E-10	8.62E-09	1.29E-09	4.77E-09	4.19E-10	6.47E-09	1.46E-10	8.35E-10	9.97E-11	1.08E-09	1.33E-10	4.37E-10	3.01E-11	6.00E-10
4463	469805.18	3818183.17	1.55E-09	6.50E-09	5.86E-10	8.64E-09	1.29E-09	4.78E-09	4.20E-10	6.49E-09	1.46E-10	8.37E-10	9.99E-11	1.08E-09	1.33E-10	4.38E-10	3.02E-11	6.01E-10
4464	469814.08	3818179.64	1.55E-09	6.52E-09	5.87E-10	8.66E-09	1.29E-09	4.79E-09	4.21E-10	6.51E-09	1.47E-10	8.39E-10	1.00E-10	1.09E-09	1.33E-10	4.39E-10	3.03E-11	6.03E-10
4465	469822.98	3818176.12	1.56E-09	6.54E-09	5.89E-10	8.68E-09	1.30E-09	4.80E-09	4.23E-10	6.52E-09	1.47E-10	8.42E-10	1.00E-10	1.09E-09	1.34E-10	4.41E-10	3.04E-11	6.05E-10
4466	469831.88	3818172.59	1.56E-09	6.56E-09	5.91E-10	8.71E-09	1.30E-09	4.82E-09	4.24E-10	6.54E-09	1.47E-10	8.44E-10	1.01E-10	1.09E-09	1.34E-10	4.42E-10	3.05E-11	6.07E-10
4467	469840.78	3818169.07	1.57E-09	6.58E-09	5.92E-10	8.74E-09	1.30E-09	4.83E-09	4.25E-10	6.56E-09	1.48E-10	8.47E-10	1.01E-10	1.10E-09	1.34E-10	4.43E-10	3.06E-11	6.08E-10
4468	469849.68	3818165.54	1.57E-09	6.59E-09	5.94E-10	8.76E-09	1.31E-09	4.84E-09	4.26E-10	6.58E-09	1.48E-10	8.49E-10	1.01E-10	1.10E-09	1.35E-10	4.44E-10	3.06E-11	6.10E-10
4469	469858.58	3818162.02	1.57E-09	6.61E-09	5.96E-10	8.78E-09	1.31E-09	4.86E-09	4.27E-10	6.60E-09	1.49E-10	8.51E-10	1.02E-10	1.10E-09	1.35E-10	4.46E-10	3.07E-11	6.12E-10
4470	469867.48	3818158.49	1.58E-09	6.64E-09	5.98E-10	8.81E-09	1.32E-09	4.88E-09	4.29E-10	6.62E-09	1.49E-10	8.54E-10	1.02E-10	1.11E-09	1.36E-10	4.47E-10	3.08E-11	6.14E-10
4471	469876.38	3818154.97	1.59E-09	6.66E-09	6.00E-10	8.85E-09	1.32E-09	4.89E-09	4.31E-10	6.65E-09	1.50E-10	8.58E-10	1.02E-10	1.11E-09	1.36E-10	4.49E-10	3.10E-11	6.16E-10
4472	469885.28	3818151.44	1.59E-09	6.68E-09	6.02E-10	8.88E-09	1.33E-09	4.91E-09	4.32E-10	6.67E-09	1.50E-10	8.61E-10	1.03E-10	1.11E-09	1.37E-10	4.51E-10	3.11E-11	6.18E-10
4473	469894.19	3818147.92	1.60E-09	6.71E-09	6.05E-10	8.92E-09	1.33E-09	4.93E-09	4.34E-10	6.70E-09	1.51E-10	8.64E-10	1.03E-10	1.12E-09	1.37E-10	4.53E-10	3.12E-11	6.21E-10
4474	469903.09	3818144.39	1.60E-09	6.74E-09	6.07E-10	8.95E-09	1.34E-09	4.95E-09	4.36E-10	6.72E-09	1.52E-10	8.68E-10	1.04E-10	1.12E-09	1.38E-10	4.54E-10	3.13E-11	6.23E-10
4475	469911.99	3818140.86	1.61E-09	6.77E-09	6.10E-10	8.99E-09	1.34E-09	4.98E-09	4.38E-10	6.76E-09	1.52E-10	8.72E-10	1.04E-10	1.13E-09	1.38E-10	4.56E-10	3.15E-11	6.26E-10
4476	469920.89	3818137.34	1.62E-09	6.81E-09	6.13E-10	9.04E-09	1.35E-09	5.00E-09	4.40E-10	6.79E-09	1.53E-10	8.76E-10	1.05E-10	1.13E-09	1.39E-10	4.59E-10	3.16E-11	6.30E-10
4477	469929.79	3818133.81	1.63E-09	6.85E-09	6.17E-10	9.10E-09	1.36E-09	5.03E-09	4.43E-10	6.84E-09	1.54E-10	8.82E-10	1.05E-10	1.14E-09	1.40E-10	4.62E-10	3.18E-11	6.34E-10
4478	469938.69	3818130.29	1.64E-09	6.89E-09	6.21E-10	9.15E-09	1.37E-09	5.06E-09	4.46E-10	6.88E-09	1.55E-10	8.87E-10	1.06E-10	1.15E-09	1.41E-10	4.65E-10	3.20E-11	6.37E-10
4479	469947.59	3818126.76	1.65E-09	6.94E-09	6.25E-10	9.21E-09	1.38E-09	5.10E-09	4.48E-10	6.92E-09	1.56E-10	8.93E-10	1.07E-10	1.16E-09	1.42E-10	4.67E-10	3.22E-11	6.41E-10
4480	469956.49	3818123.24	1.66E-09	6.98E-09	6.29E-10	9.27E-09	1.38E-09	5.13E-09	4.51E-10	6.97E-09	1.57E-10	8.99E-10	1.07E-10	1.16E-09	1.43E-10	4.71E-10	3.24E-11	6.46E-10
4481	469965.39	3818119.71	1.67E-09	7.03E-09	6.33E-10	9.34E-09	1.39E-09	5.17E-09	4.54E-10	7.01E-09	1.58E-10	9.05E-10	1.08E-10	1.17E-09	1.44E-10	4.74E-10	3.27E-11	6.50E-10
4482	469974.29	3818116.19	1.69E-09	7.08E-09	6.37E-10	9.40E-09	1.40E-09	5.20E-09	4.57E-10	7.06E-09	1.59E-10	9.11E-10	1.09E-10	1.18E-09	1.45E-10	4.77E-10	3.29E-11	6.55E-10
4483	469983.19	3818112.66	1.70E-09	7.12E-09	6.41E-10	9.46E-09	1.41E-09	5.23E-09	4.60E-10	7.11E-09	1.60E-10	9.17E-10	1.09E-10	1.19E-09	1.46E-10	4.80E-10	3.31E-11	6.59E-10
4484	469992.09	3818109.14	1.71E-09	7.17E-09	6.46E-10	9.52E-09	1.42E-09	5.27E-09	4.63E-10	7.15E-09	1.61E-10	9.23E-10	1.10E-10	1.19E-09	1.47E-10	4.83E-10	3.33E-11	6.63E-10

4485	470001	3818105.61	1.72E-09	7.22E-09	6.50E-10	9.59E-09	1.43E-09	5.31E-09	4.67E-10	7.20E-09	1.62E-10	9.29E-10	1.11E-10	1.20E-09	1.48E-10	4.87E-10	3.35E-11	6.68E-10
4486	470009.9	3818102.09	1.73E-09	7.27E-09	6.55E-10	9.66E-09	1.44E-09	5.34E-09	4.70E-10	7.25E-09	1.63E-10	9.36E-10	1.12E-10	1.21E-09	1.49E-10	4.90E-10	3.38E-11	6.72E-10
4487	470018.8	3818098.56	1.74E-09	7.31E-09	6.59E-10	9.71E-09	1.45E-09	5.37E-09	4.73E-10	7.30E-09	1.64E-10	9.41E-10	1.12E-10	1.22E-09	1.49E-10	4.93E-10	3.40E-11	6.76E-10
4488	470045.5	3818087.99	1.76E-09	7.40E-09	6.67E-10	9.83E-09	1.47E-09	5.44E-09	4.78E-10	7.39E-09	1.66E-10	9.53E-10	1.14E-10	1.23E-09	1.51E-10	4.99E-10	3.44E-11	6.85E-10
4489	470054.4	3818084.46	1.77E-09	7.42E-09	6.68E-10	9.86E-09	1.47E-09	5.45E-09	4.80E-10	7.41E-09	1.67E-10	9.55E-10	1.14E-10	1.24E-09	1.52E-10	5.00E-10	3.45E-11	6.86E-10
4490	470063.3	3818080.93	1.77E-09	7.43E-09	6.69E-10	9.87E-09	1.47E-09	5.46E-09	4.81E-10	7.42E-09	1.67E-10	9.57E-10	1.14E-10	1.24E-09	1.52E-10	5.01E-10	3.45E-11	6.88E-10
4491	470072.2	3818077.41	1.77E-09	7.44E-09	6.70E-10	9.88E-09	1.48E-09	5.47E-09	4.81E-10	7.42E-09	1.67E-10	9.58E-10	1.14E-10	1.24E-09	1.52E-10	5.01E-10	3.46E-11	6.88E-10
4492	470081.1	3818073.88	1.77E-09	7.44E-09	6.70E-10	9.88E-09	1.48E-09	5.47E-09	4.81E-10	7.42E-09	1.67E-10	9.58E-10	1.14E-10	1.24E-09	1.52E-10	5.01E-10	3.46E-11	6.88E-10
4493	470090	3818070.36	1.77E-09	7.43E-09	6.69E-10	9.87E-09	1.47E-09	5.46E-09	4.81E-10	7.42E-09	1.67E-10	9.57E-10	1.14E-10	1.24E-09	1.52E-10	5.01E-10	3.45E-11	6.88E-10
4494	470098.91	3818066.83	1.77E-09	7.42E-09	6.68E-10	9.85E-09	1.47E-09	5.45E-09	4.80E-10	7.40E-09	1.67E-10	9.55E-10	1.14E-10	1.24E-09	1.52E-10	5.00E-10	3.45E-11	6.86E-10
4495	470107.81	3818063.31	1.76E-09	7.39E-09	6.66E-10	9.82E-09	1.47E-09	5.43E-09	4.78E-10	7.38E-09	1.66E-10	9.52E-10	1.14E-10	1.23E-09	1.51E-10	4.98E-10	3.44E-11	6.84E-10
4496	470116.71	3818059.78	1.75E-09	7.36E-09	6.63E-10	9.78E-09	1.46E-09	5.41E-09	4.76E-10	7.35E-09	1.66E-10	9.48E-10	1.13E-10	1.23E-09	1.51E-10	4.96E-10	3.42E-11	6.81E-10
4497	468928.8	3819231.81	4.95E-10	2.08E-09	1.87E-10	2.76E-09	4.13E-10	1.53E-09	1.34E-10	2.08E-09	4.68E-11	2.68E-10	3.20E-11	3.47E-10	4.25E-11	1.40E-10	9.67E-12	1.92E-10
4498	468928.61	3819241.46	5.04E-10	2.11E-09	1.90E-10	2.81E-09	4.19E-10	1.55E-09	1.37E-10	2.11E-09	4.76E-11	2.72E-10	3.25E-11	3.52E-10	4.32E-11	1.43E-10	9.83E-12	1.96E-10
4499	468928.41	3819251.11	5.12E-10	2.15E-09	1.94E-10	2.85E-09	4.26E-10	1.58E-09	1.39E-10	2.14E-09	4.83E-11	2.77E-10	3.30E-11	3.58E-10	4.39E-11	1.45E-10	9.99E-12	1.99E-10
4500	468928.22	3819260.76	5.20E-10	2.18E-09	1.97E-10	2.90E-09	4.33E-10	1.60E-09	1.41E-10	2.18E-09	4.91E-11	2.81E-10	3.35E-11	3.64E-10	4.46E-11	1.47E-10	1.01E-11	2.02E-10
4501	468928.03	3819270.41	5.29E-10	2.22E-09	2.00E-10	2.95E-09	4.41E-10	1.63E-09	1.44E-10	2.22E-09	5.00E-11	2.86E-10	3.41E-11	3.70E-10	4.54E-11	1.50E-10	1.03E-11	2.05E-10
4502	468927.83	3819280.06	5.37E-10	2.26E-09	2.03E-10	3.00E-09	4.47E-10	1.66E-09	1.46E-10	2.25E-09	5.07E-11	2.90E-10	3.47E-11	3.76E-10	4.61E-11	1.52E-10	1.05E-11	2.09E-10
4503	468927.64	3819289.7	5.45E-10	2.29E-09	2.06E-10	3.04E-09	4.54E-10	1.68E-09	1.48E-10	2.28E-09	5.14E-11	2.94E-10	3.51E-11	3.81E-10	4.68E-11	1.54E-10	1.06E-11	2.12E-10
4504	468927.45	3819299.35	5.52E-10	2.32E-09	2.09E-10	3.08E-09	4.60E-10	1.70E-09	1.50E-10	2.31E-09	5.22E-11	2.99E-10	3.56E-11	3.86E-10	4.74E-11	1.56E-10	1.08E-11	2.15E-10
4505	468927.25	3819309	5.60E-10	2.35E-09	2.12E-10	3.12E-09	4.66E-10	1.73E-09	1.52E-10	2.35E-09	5.29E-11	3.03E-10	3.61E-11	3.92E-10	4.81E-11	1.58E-10	1.09E-11	2.17E-10
4506	468927.06	3819318.65	5.67E-10	2.38E-09	2.14E-10	3.16E-09	4.72E-10	1.75E-09	1.54E-10	2.37E-09	5.35E-11	3.06E-10	3.66E-11	3.96E-10	4.87E-11	1.60E-10	1.11E-11	2.20E-10
4507	468926.87	3819328.3	5.74E-10	2.41E-09	2.17E-10	3.20E-09	4.78E-10	1.77E-09	1.56E-10	2.40E-09	5.42E-11	3.10E-10	3.70E-11	4.01E-10	4.92E-11	1.62E-10	1.12E-11	2.23E-10
4508	468926.68	3819337.94	5.80E-10	2.44E-09	2.20E-10	3.24E-09	4.83E-10	1.79E-09	1.58E-10	2.43E-09	5.48E-11	3.14E-10	3.74E-11	4.06E-10	4.98E-11	1.64E-10	1.13E-11	2.25E-10
4509	468926.48	3819347.59	5.87E-10	2.46E-09	2.22E-10	3.27E-09	4.89E-10	1.81E-09	1.59E-10	2.46E-09	5.54E-11	3.17E-10	3.78E-11	4.10E-10	5.04E-11	1.66E-10	1.14E-11	2.28E-10
4510	468926.29	3819357.24	5.92E-10	2.49E-09	2.24E-10	3.30E-09	4.93E-10	1.83E-09	1.61E-10	2.48E-09	5.59E-11	3.20E-10	3.82E-11	4.14E-10	5.08E-11	1.68E-10	1.16E-11	2.30E-10
4511	468926.1	3819366.89	5.98E-10	2.51E-09	2.26E-10	3.33E-09	4.98E-10	1.84E-09	1.62E-10	2.50E-09	5.64E-11	3.23E-10	3.85E-11	4.18E-10	5.13E-11	1.69E-10	1.17E-11	2.32E-10
4512	468925.9	3819376.54	6.02E-10	2.53E-09	2.28E-10	3.36E-09	5.02E-10	1.86E-09	1.64E-10	2.52E-09	5.69E-11	3.26E-10	3.89E-11	4.21E-10	5.17E-11	1.71E-10	1.18E-11	2.34E-10
4513	468925.71	3819386.19	6.07E-10	2.55E-09	2.30E-10	3.39E-09	5.06E-10	1.87E-09	1.65E-10	2.54E-09	5.73E-11	3.28E-10	3.92E-11	4.25E-10	5.21E-11	1.72E-10	1.18E-11	2.36E-10
4514	468925.52	3819395.83	6.12E-10	2.57E-09	2.31E-10	3.41E-09	5.10E-10	1.89E-09	1.66E-10	2.56E-09	5.78E-11	3.31E-10	3.95E-11	4.28E-10	5.25E-11	1.73E-10	1.19E-11	2.38E-10
4515	468925.32	3819405.48	6.16E-10	2.59E-09	2.33E-10	3.44E-09	5.13E-10	1.90E-09	1.67E-10	2.58E-09	5.82E-11	3.33E-10	3.97E-11	4.31E-10	5.29E-11	1.74E-10	1.20E-11	2.39E-10
4516	468925.13	3819415.13	6.21E-10	2.61E-09	2.35E-10	3.46E-09	5.17E-10	1.92E-09	1.69E-10	2.60E-09	5.86E-11	3.36E-10	4.01E-11	4.34E-10	5.33E-11	1.76E-10	1.21E-11	2.41E-10
4517	468924.94	3819424.78	6.26E-10	2.63E-09	2.37E-10	3.49E-09	5.21E-10	1.93E-09	1.70E-10	2.62E-09	5.91E-11	3.38E-10	4.04E-11	4.38E-10	5.37E-11	1.77E-10	1.22E-11	2.43E-10
4518	469075.84	3818691.24	6.48E-10	2.72E-09	2.45E-10	3.61E-09	5.39E-10	2.00E-09	1.76E-10	2.71E-09	6.12E-11	3.50E-10	4.18E-11	4.53E-10	5.56E-11	1.83E-10	1.26E-11	2.52E-10
4519	469079.68	3818682.43	6.57E-10	2.76E-09	2.49E-10	3.67E-09	5.47E-10	2.03E-09	1.78E-10	2.75E-09	6.21E-11	3.55E-10	4.24E-11	4.60E-10	5.64E-11	1.86E-10	1.28E-11	2.55E-10
4520	469083.52	3818673.62	6.68E-10	2.80E-09	2.52E-10	3.72E-09	5.56E-10	2.06E-09	1.81E-10	2.80E-09	6.30E-11	3.61E-10	4.31E-11	4.67E-10	5.73E-11	1.89E-10	1.30E-11	2.59E-10
4521	469087.36	3818664.82	6.77E-10	2.84E-09	2.56E-10	3.78E-09	5.64E-10	2.09E-09	1.84E-10	2.84E-09	6.39E-11	3.66E-10	4.37E-11	4.74E-10	5.81E-11	1.92E-10	1.32E-11	2.63E-10
4522	469091.2	3818656.01	6.86E-10	2.88E-09	2.59E-10	3.83E-09	5.71E-10	2.12E-09	1.86E-10	2.87E-09	6.48E-11	3.71E-10	4.43E-11	4.80E-10	5.89E-11	1.94E-10	1.34E-11	2.66E-10
4523	469095.05	3818647.2	6.95E-10	2.92E-09	2.63E-10	3.88E-09	5.79E-10	2.14E-09	1.89E-10	2.91E-09	6.56E-11	3.76E-10	4.48E-11	4.86E-10	5.97E-11	1.97E-10	1.36E-11	2.70E-10
4524	469098.89	3818638.39	7.03E-10	2.95E-09	2.66E-10	3.92E-09	5.86E-10	2.17E-09	1.91E-10	2.95E-09	6.64E-11	3.80E-10	4.54E-11	4.92E-10	6.04E-11	1.99E-10	1.37E-11	2.73E-10
4525	469102.73	3818629.58	7.11E-10	2.99E-09	2.69E-10	3.97E-09	5.93E-10	2.20E-09	1.93E-10	2.98E-09	6.72E-11	3.85E-10	4.59E-11	4.98E-10	6.11E-11	2.01E-10	1.39E-11	2.76E-10
4526	469106.57	3818620.78	7.19E-10	3.02E-09	2.72E-10	4.01E-09	5.99E-10	2.22E-09	1.95E-10	3.01E-09	6.79E-11	3.89E-10	4.64E-11	5.03E-10	6.17E-11	2.04E-10	1.40E-11	2.79E-10
4527	469137.3	3818550.31	7.60E-10	3.19E-09	2.88E-10	4.24E-09	6.33E-10	2.35E-09	2.06E-10	3.19E-09	7.18E-11	4.11E-10	4.90E-11	5.32E-10	6.53E-11	2.15E-10	1.48E-11	2.95E-10
4528	469141.14	3818541.5	7.64E-10	3.21E-09	2.89E-10	4.26E-09	6.36E-10	2.36E-09	2.07E-10	3.20E-09	7.21E-11	4.13E-10	4.93E-11	5.34E-10	6.56E-11	2.16E-10	1.49E-11	2.97E-10
4529	469144.98	3818532.69	7.66E-10	3.22E-09	2.90E-10	4.27E-09	6.38E-10	2.36E-09	2.08E-10	3.21E-09	7.24E-11	4.14E-10	4.94E-11	5.36E-10	6.58E-11	2.17E-10	1.50E-11	2.98E-10
4530	469148.82	3818523.89	7.69E-10	3.23E-09	2.91E-10	4.29E-09	6.41E-10	2.37E-09	2.09E-10	3.22E-09	7.26E-11	4.16E-10	4.96E-11	5.38E-10	6.60E-11	2.18E-10	1.50E-11	2.99E-10
4531	469152.66	3818515.08	7.71E-10	3.24E-09	2.92E-10	4.30E-09	6.42E-10	2.38E-09	2.09E-10	3.23E-09	7.28E-11	4.17E-10	4.97E-11	5.39E-10	6.62E-11	2.18E-10	1.50E-11	3.00E-10
4532	469156.51	3818506.27	7.73E-10	3.25E-09	2.92E-10	4.31E-09	6.44E-10	2.39E-09	2.10E-10	3.24E-09	7.30E-11	4.18E-10	4.99E-11	5.41E-10	6.64E-11	2.19E-10	1.51E-11	3.00E-10
4533	469160.35	3818497.46	7.75E-10	3.25E-09	2.93E-10	4.32E-09	6.45E-10	2.39E-09	2.10E-10	3.25E-09	7.31E-11	4.19E-10	5.00E-11	5.42E-10	6.65E-11	2.19E-10	1.51E-11	3.01E-10
4534	469164.19	3818488.65	7.77E-10	3.26E-09	2.94E-10	4.33E-09	6.47E-10	2.40E-09	2.11E-10	3.25E-09	7.33E-11	4.20E-10	5.01E-11	5.43E-10	6.67E-11	2.20E-10	1.52E-11	3.02E-10
4535	469168.03	3818479.85	7.78E-10	3.27E-09	2.94E-10	4.34E-09	6.48E-10	2.40E-09	2.11E-10	3.26E-09	7.35E-11	4.21E-10	5.02E-11	5.44E-10	6.68E-11	2.20E-10	1.52E-11	3.02E-10

4536	469171.87	3818471.04	7.79E-10	3.27E-09	2.95E-10	4.35E-09	6.49E-10	2.41E-09	2.12E-10	3.27E-09	7.36E-11	4.21E-10	5.03E-11	5.45E-10	6.69E-11	2.21E-10	1.52E-11	3.03E-10
4537	469175.71	3818462.23	7.81E-10	3.28E-09	2.95E-10	4.35E-09	6.50E-10	2.41E-09	2.12E-10	3.27E-09	7.37E-11	4.22E-10	5.04E-11	5.46E-10	6.70E-11	2.21E-10	1.52E-11	3.03E-10
4538	469179.55	3818453.42	7.83E-10	3.29E-09	2.96E-10	4.37E-09	6.52E-10	2.42E-09	2.13E-10	3.28E-09	7.39E-11	4.23E-10	5.05E-11	5.48E-10	6.72E-11	2.22E-10	1.53E-11	3.04E-10
4539	469183.39	3818444.61	7.85E-10	3.30E-09	2.97E-10	4.38E-09	6.54E-10	2.42E-09	2.13E-10	3.29E-09	7.41E-11	4.24E-10	5.06E-11	5.49E-10	6.74E-11	2.22E-10	1.53E-11	3.05E-10
4540	469187.24	3818435.81	7.86E-10	3.30E-09	2.97E-10	4.38E-09	6.54E-10	2.42E-09	2.13E-10	3.29E-09	7.42E-11	4.25E-10	5.07E-11	5.50E-10	6.74E-11	2.22E-10	1.53E-11	3.05E-10
4541	469191.08	3818427	7.87E-10	3.30E-09	2.98E-10	4.39E-09	6.55E-10	2.43E-09	2.14E-10	3.30E-09	7.43E-11	4.25E-10	5.08E-11	5.50E-10	6.76E-11	2.23E-10	1.54E-11	3.06E-10
4542	469206.44	3818391.77	7.97E-10	3.35E-09	3.01E-10	4.44E-09	6.63E-10	2.46E-09	2.16E-10	3.34E-09	7.52E-11	4.31E-10	5.14E-11	5.57E-10	6.84E-11	2.25E-10	1.55E-11	3.09E-10
4543	469210.28	3818382.96	7.99E-10	3.36E-09	3.02E-10	4.46E-09	6.66E-10	2.47E-09	2.17E-10	3.35E-09	7.55E-11	4.32E-10	5.16E-11	5.59E-10	6.86E-11	2.26E-10	1.56E-11	3.10E-10
4544	469214.13	3818374.15	8.02E-10	3.37E-09	3.03E-10	4.47E-09	6.68E-10	2.47E-09	2.18E-10	3.36E-09	7.57E-11	4.34E-10	5.17E-11	5.61E-10	6.89E-11	2.27E-10	1.57E-11	3.12E-10
4545	469217.97	3818365.34	8.05E-10	3.38E-09	3.05E-10	4.49E-09	6.71E-10	2.49E-09	2.19E-10	3.38E-09	7.61E-11	4.35E-10	5.20E-11	5.63E-10	6.91E-11	2.28E-10	1.57E-11	3.13E-10
4546	469221.81	3818356.53	8.09E-10	3.40E-09	3.06E-10	4.51E-09	6.74E-10	2.50E-09	2.20E-10	3.39E-09	7.64E-11	4.37E-10	5.22E-11	5.66E-10	6.94E-11	2.29E-10	1.58E-11	3.14E-10
4547	469225.65	3818347.72	8.14E-10	3.42E-09	3.08E-10	4.54E-09	6.78E-10	2.51E-09	2.21E-10	3.41E-09	7.68E-11	4.40E-10	5.25E-11	5.69E-10	6.99E-11	2.30E-10	1.59E-11	3.16E-10
4548	469229.49	3818338.92	8.18E-10	3.43E-09	3.09E-10	4.56E-09	6.81E-10	2.52E-09	2.22E-10	3.43E-09	7.72E-11	4.42E-10	5.28E-11	5.72E-10	7.02E-11	2.31E-10	1.60E-11	3.18E-10
4549	469242.27	3818326.57	8.35E-10	3.51E-09	3.16E-10	4.66E-09	6.95E-10	2.58E-09	2.27E-10	3.50E-09	7.88E-11	4.51E-10	5.39E-11	5.84E-10	7.17E-11	2.36E-10	1.63E-11	3.24E-10
4550	469251.2	3818323.03	8.49E-10	3.57E-09	3.21E-10	4.74E-09	7.07E-10	2.62E-09	2.31E-10	3.56E-09	8.02E-11	4.59E-10	5.48E-11	5.94E-10	7.29E-11	2.40E-10	1.66E-11	3.30E-10
4551	469260.13	3818319.49	8.64E-10	3.63E-09	3.27E-10	4.82E-09	7.19E-10	2.67E-09	2.34E-10	3.62E-09	8.16E-11	4.67E-10	5.57E-11	6.04E-10	7.42E-11	2.45E-10	1.69E-11	3.36E-10
4552	469269.07	3818315.95	8.78E-10	3.69E-09	3.32E-10	4.90E-09	7.32E-10	2.71E-09	2.38E-10	3.68E-09	8.29E-11	4.75E-10	5.66E-11	6.14E-10	7.54E-11	2.49E-10	1.71E-11	3.41E-10
4553	469278	3818312.42	8.93E-10	3.75E-09	3.38E-10	4.98E-09	7.43E-10	2.75E-09	2.42E-10	3.74E-09	8.43E-11	4.83E-10	5.76E-11	6.24E-10	7.66E-11	2.53E-10	1.74E-11	3.47E-10
4554	469286.94	3818308.88	9.06E-10	3.81E-09	3.43E-10	5.06E-09	7.55E-10	2.80E-09	2.46E-10	3.80E-09	8.56E-11	4.90E-10	5.85E-11	6.34E-10	7.78E-11	2.57E-10	1.77E-11	3.52E-10
4555	469295.87	3818305.34	9.21E-10	3.87E-09	3.48E-10	5.14E-09	7.67E-10	2.84E-09	2.50E-10	3.86E-09	8.69E-11	4.98E-10	5.94E-11	6.44E-10	7.90E-11	2.61E-10	1.80E-11	3.58E-10
4556	469304.8	3818301.8	9.34E-10	3.92E-09	3.53E-10	5.21E-09	7.78E-10	2.88E-09	2.54E-10	3.92E-09	8.82E-11	5.05E-10	6.03E-11	6.54E-10	8.02E-11	2.65E-10	1.82E-11	3.63E-10
4557	469313.74	3818298.26	9.48E-10	3.98E-09	3.58E-10	5.28E-09	7.89E-10	2.92E-09	2.57E-10	3.97E-09	8.95E-11	5.12E-10	6.11E-11	6.63E-10	8.13E-11	2.68E-10	1.85E-11	3.68E-10
4558	469322.67	3818294.72	9.61E-10	4.03E-09	3.63E-10	5.36E-09	8.00E-10	2.96E-09	2.61E-10	4.02E-09	9.07E-11	5.19E-10	6.20E-11	6.72E-10	8.25E-11	2.72E-10	1.87E-11	3.73E-10
4559	469331.61	3818291.19	9.73E-10	4.09E-09	3.68E-10	5.43E-09	8.10E-10	3.00E-09	2.64E-10	4.08E-09	9.19E-11	5.26E-10	6.28E-11	6.81E-10	8.35E-11	2.75E-10	1.90E-11	3.78E-10
4560	469340.54	3818287.65	9.85E-10	4.13E-09	3.72E-10	5.49E-09	8.20E-10	3.04E-09	2.67E-10	4.13E-09	9.30E-11	5.32E-10	6.35E-11	6.89E-10	8.45E-11	2.79E-10	1.92E-11	3.82E-10
4561	469349.47	3818284.11	9.96E-10	4.18E-09	3.77E-10	5.55E-09	8.29E-10	3.07E-09	2.70E-10	4.17E-09	9.40E-11	5.38E-10	6.42E-11	6.96E-10	8.55E-11	2.82E-10	1.94E-11	3.87E-10
4562	469358.41	3818280.57	1.01E-09	4.23E-09	3.81E-10	5.61E-09	8.38E-10	3.11E-09	2.73E-10	4.22E-09	9.50E-11	5.44E-10	6.49E-11	7.04E-10	8.64E-11	2.85E-10	1.96E-11	3.91E-10
4563	469367.34	3818277.03	1.02E-09	4.27E-09	3.84E-10	5.67E-09	8.46E-10	3.14E-09	2.76E-10	4.26E-09	9.60E-11	5.49E-10	6.55E-11	7.11E-10	8.72E-11	2.88E-10	1.98E-11	3.95E-10
4564	469376.28	3818273.49	1.03E-09	4.31E-09	3.88E-10	5.72E-09	8.54E-10	3.17E-09	2.78E-10	4.30E-09	9.69E-11	5.55E-10	6.62E-11	7.18E-10	8.81E-11	2.90E-10	2.00E-11	3.98E-10
4565	469385.21	3818269.96	1.03E-09	4.34E-09	3.91E-10	5.77E-09	8.61E-10	3.19E-09	2.81E-10	4.33E-09	9.76E-11	5.59E-10	6.67E-11	7.23E-10	8.88E-11	2.93E-10	2.02E-11	4.02E-10
4566	469394.14	3818266.42	1.04E-09	4.38E-09	3.94E-10	5.81E-09	8.68E-10	3.22E-09	2.83E-10	4.37E-09	9.84E-11	5.63E-10	6.72E-11	7.29E-10	8.95E-11	2.95E-10	2.03E-11	4.05E-10
4567	469403.08	3818262.88	1.05E-09	4.41E-09	3.98E-10	5.86E-09	8.76E-10	3.24E-09	2.85E-10	4.40E-09	9.93E-11	5.68E-10	6.78E-11	7.35E-10	9.02E-11	2.98E-10	2.05E-11	4.08E-10
4568	469412.01	3818259.34	1.06E-09	4.45E-09	4.01E-10	5.91E-09	8.82E-10	3.27E-09	2.88E-10	4.44E-09	1.00E-10	5.73E-10	6.83E-11	7.41E-10	9.09E-11	3.00E-10	2.07E-11	4.11E-10
4569	469420.95	3818255.8	1.07E-09	4.48E-09	4.04E-10	5.95E-09	8.89E-10	3.29E-09	2.90E-10	4.47E-09	1.01E-10	5.77E-10	6.89E-11	7.47E-10	9.17E-11	3.02E-10	2.08E-11	4.15E-10
4570	469429.88	3818252.26	1.07E-09	4.51E-09	4.06E-10	5.99E-09	8.94E-10	3.31E-09	2.91E-10	4.50E-09	1.01E-10	5.80E-10	6.93E-11	7.51E-10	9.22E-11	3.04E-10	2.10E-11	4.17E-10
4571	469438.81	3818248.72	1.08E-09	4.54E-09	4.08E-10	6.02E-09	8.99E-10	3.33E-09	2.93E-10	4.53E-09	1.02E-10	5.84E-10	6.97E-11	7.55E-10	9.27E-11	3.06E-10	2.11E-11	4.19E-10
4572	469447.75	3818245.19	1.09E-09	4.56E-09	4.11E-10	6.06E-09	9.05E-10	3.35E-09	2.95E-10	4.55E-09	1.03E-10	5.87E-10	7.01E-11	7.60E-10	9.32E-11	3.07E-10	2.12E-11	4.22E-10
4573	469456.68	3818241.65	1.09E-09	4.59E-09	4.13E-10	6.09E-09	9.10E-10	3.37E-09	2.97E-10	4.58E-09	1.03E-10	5.90E-10	7.05E-11	7.64E-10	9.38E-11	3.09E-10	2.13E-11	4.24E-10
4574	469465.62	3818238.11	1.10E-09	4.61E-09	4.15E-10	6.13E-09	9.15E-10	3.39E-09	2.98E-10	4.60E-09	1.04E-10	5.94E-10	7.09E-11	7.68E-10	9.43E-11	3.11E-10	2.14E-11	4.27E-10
4575	469474.55	3818234.57	1.10E-09	4.64E-09	4.18E-10	6.16E-09	9.19E-10	3.41E-09	3.00E-10	4.63E-09	1.04E-10	5.97E-10	7.12E-11	7.72E-10	9.48E-11	3.12E-10	2.15E-11	4.29E-10
4576	469483.49	3818231.03	1.11E-09	4.66E-09	4.20E-10	6.20E-09	9.25E-10	3.43E-09	3.02E-10	4.65E-09	1.05E-10	6.00E-10	7.16E-11	7.77E-10	9.54E-11	3.14E-10	2.17E-11	4.31E-10
4577	469492.42	3818227.49	1.12E-09	4.70E-09	4.23E-10	6.24E-09	9.32E-10	3.45E-09	3.04E-10	4.69E-09	1.06E-10	6.05E-10	7.22E-11	7.83E-10	9.61E-11	3.17E-10	2.18E-11	4.35E-10
4578	469501.35	3818223.96	1.13E-09	4.73E-09	4.26E-10	6.29E-09	9.39E-10	3.48E-09	3.06E-10	4.72E-09	1.06E-10	6.09E-10	7.27E-11	7.89E-10	9.68E-11	3.19E-10	2.20E-11	4.38E-10
4579	469510.29	3818220.42	1.14E-09	4.77E-09	4.30E-10	6.34E-09	9.46E-10	3.51E-09	3.08E-10	4.76E-09	1.07E-10	6.14E-10	7.33E-11	7.95E-10	9.75E-11	3.22E-10	2.22E-11	4.41E-10
4580	469519.22	3818216.88	1.14E-09	4.80E-09	4.32E-10	6.38E-09	9.52E-10	3.53E-09	3.10E-10	4.79E-09	1.08E-10	6.18E-10	7.37E-11	8.00E-10	9.81E-11	3.24E-10	2.23E-11	4.44E-10
4581	469528.16	3818213.34	1.15E-09	4.83E-09	4.35E-10	6.42E-09	9.58E-10	3.55E-09	3.12E-10	4.82E-09	1.09E-10	6.22E-10	7.42E-11	8.05E-10	9.88E-11	3.26E-10	2.25E-11	4.47E-10
4582	469537.09	3818209.8	1.16E-09	4.87E-09	4.38E-10	6.46E-09	9.65E-10	3.58E-09	3.15E-10	4.86E-09	1.09E-10	6.26E-10	7.47E-11	8.11E-10	9.95E-11	3.28E-10	2.26E-11	4.50E-10
4583	469546.02	3818206.26	1.17E-09	4.90E-09	4.41E-10	6.51E-09	9.72E-10	3.60E-09	3.17E-10	4.89E-09	1.10E-10	6.31E-10	7.53E-11	8.16E-10	1.00E-10	3.30E-10	2.28E-11	4.53E-10
4584	469554.96	3818202.73	1.18E-09	4.94E-09	4.44E-10	6.56E-09	9.79E-10	3.63E-09	3.19E-10	4.92E-09	1.11E-10	6.35E-10	7.58E-11	8.22E-10	1.01E-10	3.33E-10	2.29E-11	4.57E-10
4585	469563.89	3818199.19	1.18E-09	4.97E-09	4.48E-10	6.61E-09	9.86E-10	3.65E-09	3.21E-10	4.96E-09	1.12E-10	6.40E-10	7.64E-11	8.28E-10	1.02E-10	3.35E-10	2.31E-11	4.60E-10
4586	469572.83	3818195.65	1.19E-09	5.01E-09	4.51E-10	6.65E-09	9.94E-10	3.68E-09	3.24E-10	5.00E-09	1.13E-10	6.45E-10	7.70E-11	8.35E-10	1.02E-10	3.38E-10	2.33E-11	4.63E-10

4587	469581.76	3818192.11	1.20E-09	5.06E-09	4.55E-10	6.72E-09	1.00E-09	3.72E-09	3.27E-10	5.05E-09	1.14E-10	6.51E-10	7.77E-11	8.42E-10	1.03E-10	3.41E-10	2.35E-11	4.68E-10
4588	469590.69	3818188.57	1.21E-09	5.10E-09	4.59E-10	6.77E-09	1.01E-09	3.75E-09	3.30E-10	5.09E-09	1.15E-10	6.57E-10	7.83E-11	8.50E-10	1.04E-10	3.44E-10	2.37E-11	4.72E-10
4589	469599.63	3818185.03	1.23E-09	5.15E-09	4.63E-10	6.83E-09	1.02E-09	3.78E-09	3.33E-10	5.13E-09	1.16E-10	6.62E-10	7.90E-11	8.57E-10	1.05E-10	3.47E-10	2.39E-11	4.76E-10
4590	469608.56	3818181.49	1.23E-09	5.18E-09	4.67E-10	6.88E-09	1.03E-09	3.81E-09	3.35E-10	5.17E-09	1.17E-10	6.67E-10	7.96E-11	8.63E-10	1.06E-10	3.49E-10	2.41E-11	4.79E-10
4591	469617.5	3818177.96	1.24E-09	5.22E-09	4.70E-10	6.94E-09	1.04E-09	3.84E-09	3.38E-10	5.21E-09	1.17E-10	6.72E-10	8.02E-11	8.70E-10	1.07E-10	3.52E-10	2.43E-11	4.83E-10
4592	469626.43	3818174.42	1.25E-09	5.26E-09	4.74E-10	6.99E-09	1.04E-09	3.87E-09	3.40E-10	5.25E-09	1.18E-10	6.77E-10	8.08E-11	8.76E-10	1.08E-10	3.55E-10	2.44E-11	4.87E-10
4593	469635.36	3818170.88	1.26E-09	5.30E-09	4.77E-10	7.04E-09	1.05E-09	3.90E-09	3.43E-10	5.29E-09	1.19E-10	6.82E-10	8.14E-11	8.83E-10	1.08E-10	3.57E-10	2.46E-11	4.90E-10
4594	469644.3	3818167.34	1.27E-09	5.34E-09	4.81E-10	7.09E-09	1.06E-09	3.92E-09	3.45E-10	5.33E-09	1.20E-10	6.87E-10	8.20E-11	8.89E-10	1.09E-10	3.60E-10	2.48E-11	4.94E-10
4595	469653.23	3818163.8	1.28E-09	5.38E-09	4.84E-10	7.14E-09	1.07E-09	3.95E-09	3.48E-10	5.36E-09	1.21E-10	6.92E-10	8.26E-11	8.96E-10	1.10E-10	3.62E-10	2.50E-11	4.97E-10
4596	469662.17	3818160.26	1.29E-09	5.41E-09	4.88E-10	7.19E-09	1.07E-09	3.98E-09	3.50E-10	5.40E-09	1.22E-10	6.97E-10	8.32E-11	9.02E-10	1.11E-10	3.65E-10	2.52E-11	5.01E-10
4597	469671.1	3818156.73	1.30E-09	5.45E-09	4.91E-10	7.24E-09	1.08E-09	4.01E-09	3.52E-10	5.44E-09	1.23E-10	7.02E-10	8.37E-11	9.08E-10	1.11E-10	3.67E-10	2.53E-11	5.04E-10
4598	469680.03	3818153.19	1.31E-09	5.49E-09	4.94E-10	7.29E-09	1.09E-09	4.03E-09	3.55E-10	5.47E-09	1.23E-10	7.06E-10	8.43E-11	9.14E-10	1.12E-10	3.70E-10	2.55E-11	5.07E-10
4599	469715.77	3818139.03	1.34E-09	5.61E-09	5.05E-10	7.45E-09	1.11E-09	4.12E-09	3.63E-10	5.60E-09	1.26E-10	7.23E-10	8.62E-11	9.35E-10	1.15E-10	3.78E-10	2.61E-11	5.19E-10
4600	469724.7	3818135.49	1.34E-09	5.64E-09	5.08E-10	7.49E-09	1.12E-09	4.14E-09	3.64E-10	5.63E-09	1.27E-10	7.26E-10	8.66E-11	9.39E-10	1.15E-10	3.80E-10	2.62E-11	5.22E-10
4601	469733.64	3818131.96	1.35E-09	5.66E-09	5.10E-10	7.52E-09	1.12E-09	4.16E-09	3.66E-10	5.65E-09	1.27E-10	7.28E-10	8.69E-11	9.43E-10	1.16E-10	3.81E-10	2.63E-11	5.23E-10
4602	469742.57	3818128.42	1.35E-09	5.68E-09	5.11E-10	7.54E-09	1.13E-09	4.17E-09	3.67E-10	5.67E-09	1.28E-10	7.31E-10	8.72E-11	9.46E-10	1.16E-10	3.83E-10	2.64E-11	5.25E-10
4603	469751.51	3818124.88	1.36E-09	5.70E-09	5.13E-10	7.57E-09	1.13E-09	4.19E-09	3.68E-10	5.68E-09	1.28E-10	7.33E-10	8.75E-11	9.49E-10	1.16E-10	3.84E-10	2.65E-11	5.27E-10
4604	469760.44	3818121.34	1.36E-09	5.72E-09	5.15E-10	7.59E-09	1.13E-09	4.20E-09	3.70E-10	5.70E-09	1.29E-10	7.36E-10	8.78E-11	9.52E-10	1.17E-10	3.85E-10	2.66E-11	5.29E-10
4605	469769.37	3818117.8	1.37E-09	5.73E-09	5.16E-10	7.62E-09	1.14E-09	4.21E-09	3.71E-10	5.72E-09	1.29E-10	7.38E-10	8.81E-11	9.55E-10	1.17E-10	3.86E-10	2.66E-11	5.30E-10
4606	469778.31	3818114.26	1.37E-09	5.75E-09	5.18E-10	7.64E-09	1.14E-09	4.23E-09	3.72E-10	5.74E-09	1.29E-10	7.40E-10	8.83E-11	9.58E-10	1.18E-10	3.88E-10	2.67E-11	5.32E-10
4607	469787.24	3818110.73	1.37E-09	5.77E-09	5.19E-10	7.66E-09	1.14E-09	4.24E-09	3.73E-10	5.75E-09	1.30E-10	7.42E-10	8.86E-11	9.60E-10	1.18E-10	3.89E-10	2.68E-11	5.33E-10
4608	469796.18	3818107.19	1.38E-09	5.78E-09	5.20E-10	7.67E-09	1.15E-09	4.24E-09	3.73E-10	5.76E-09	1.30E-10	7.44E-10	8.87E-11	9.62E-10	1.18E-10	3.89E-10	2.68E-11	5.34E-10
4609	469805.11	3818103.65	1.38E-09	5.79E-09	5.22E-10	7.69E-09	1.15E-09	4.26E-09	3.74E-10	5.78E-09	1.30E-10	7.46E-10	8.90E-11	9.65E-10	1.18E-10	3.90E-10	2.69E-11	5.36E-10
4610	469814.05	3818100.11	1.38E-09	5.81E-09	5.23E-10	7.72E-09	1.15E-09	4.27E-09	3.75E-10	5.80E-09	1.31E-10	7.48E-10	8.92E-11	9.68E-10	1.19E-10	3.92E-10	2.70E-11	5.37E-10
4611	469822.98	3818096.57	1.39E-09	5.82E-09	5.24E-10	7.73E-09	1.15E-09	4.28E-09	3.76E-10	5.81E-09	1.31E-10	7.50E-10	8.94E-11	9.70E-10	1.19E-10	3.92E-10	2.71E-11	5.39E-10
4612	469831.91	3818093.03	1.39E-09	5.84E-09	5.26E-10	7.75E-09	1.16E-09	4.29E-09	3.77E-10	5.82E-09	1.31E-10	7.51E-10	8.97E-11	9.72E-10	1.19E-10	3.93E-10	2.71E-11	5.40E-10
4613	469840.85	3818089.5	1.39E-09	5.85E-09	5.27E-10	7.78E-09	1.16E-09	4.30E-09	3.78E-10	5.84E-09	1.32E-10	7.54E-10	8.99E-11	9.75E-10	1.20E-10	3.95E-10	2.72E-11	5.42E-10
4614	469849.78	3818085.96	1.40E-09	5.87E-09	5.28E-10	7.79E-09	1.16E-09	4.31E-09	3.79E-10	5.85E-09	1.32E-10	7.55E-10	9.01E-11	9.77E-10	1.20E-10	3.95E-10	2.73E-11	5.43E-10
4615	469858.72	3818082.42	1.40E-09	5.88E-09	5.30E-10	7.81E-09	1.17E-09	4.32E-09	3.80E-10	5.87E-09	1.32E-10	7.57E-10	9.04E-11	9.80E-10	1.20E-10	3.97E-10	2.73E-11	5.44E-10
4616	469867.65	3818078.88	1.41E-09	5.90E-09	5.31E-10	7.84E-09	1.17E-09	4.34E-09	3.81E-10	5.89E-09	1.33E-10	7.60E-10	9.06E-11	9.83E-10	1.21E-10	3.98E-10	2.74E-11	5.46E-10
4617	469876.58	3818075.34	1.41E-09	5.92E-09	5.33E-10	7.87E-09	1.17E-09	4.35E-09	3.83E-10	5.91E-09	1.33E-10	7.63E-10	9.10E-11	9.87E-10	1.21E-10	3.99E-10	2.75E-11	5.48E-10
4618	469885.52	3818071.8	1.42E-09	5.95E-09	5.36E-10	7.90E-09	1.18E-09	4.37E-09	3.85E-10	5.94E-09	1.34E-10	7.66E-10	9.14E-11	9.91E-10	1.22E-10	4.01E-10	2.76E-11	5.50E-10
4619	469894.45	3818068.26	1.42E-09	5.98E-09	5.38E-10	7.94E-09	1.19E-09	4.39E-09	3.86E-10	5.96E-09	1.34E-10	7.69E-10	9.18E-11	9.95E-10	1.22E-10	4.03E-10	2.78E-11	5.53E-10
4620	469903.39	3818064.73	1.43E-09	6.00E-09	5.41E-10	7.98E-09	1.19E-09	4.41E-09	3.88E-10	5.99E-09	1.35E-10	7.73E-10	9.22E-11	1.00E-09	1.23E-10	4.05E-10	2.79E-11	5.55E-10
4621	469912.32	3818061.19	1.44E-09	6.04E-09	5.44E-10	8.02E-09	1.20E-09	4.44E-09	3.90E-10	6.02E-09	1.36E-10	7.77E-10	9.27E-11	1.01E-09	1.23E-10	4.07E-10	2.80E-11	5.58E-10
4622	469921.25	3818057.65	1.45E-09	6.08E-09	5.47E-10	8.07E-09	1.21E-09	4.47E-09	3.93E-10	6.06E-09	1.37E-10	7.82E-10	9.33E-11	1.01E-09	1.24E-10	4.10E-10	2.82E-11	5.62E-10
4623	469930.19	3818054.11	1.46E-09	6.12E-09	5.51E-10	8.13E-09	1.21E-09	4.50E-09	3.96E-10	6.11E-09	1.38E-10	7.88E-10	9.40E-11	1.02E-09	1.25E-10	4.13E-10	2.84E-11	5.66E-10
4624	469939.12	3818050.57	1.46E-09	6.15E-09	5.54E-10	8.17E-09	1.22E-09	4.52E-09	3.98E-10	6.14E-09	1.38E-10	7.92E-10	9.45E-11	1.02E-09	1.26E-10	4.15E-10	2.86E-11	5.69E-10
4625	469948.06	3818047.03	1.47E-09	6.18E-09	5.57E-10	8.21E-09	1.23E-09	4.54E-09	4.00E-10	6.17E-09	1.39E-10	7.96E-10	9.50E-11	1.03E-09	1.26E-10	4.17E-10	2.87E-11	5.72E-10
4626	469956.99	3818043.5	1.48E-09	6.22E-09	5.60E-10	8.26E-09	1.23E-09	4.57E-09	4.02E-10	6.20E-09	1.40E-10	8.00E-10	9.55E-11	1.04E-09	1.27E-10	4.19E-10	2.89E-11	5.75E-10
4627	469965.92	3818039.96	1.49E-09	6.26E-09	5.64E-10	8.31E-09	1.24E-09	4.60E-09	4.05E-10	6.24E-09	1.41E-10	8.06E-10	9.61E-11	1.04E-09	1.28E-10	4.22E-10	2.91E-11	5.79E-10
4628	469974.86	3818036.42	1.50E-09	6.30E-09	5.67E-10	8.37E-09	1.25E-09	4.63E-09	4.07E-10	6.29E-09	1.42E-10	8.11E-10	9.68E-11	1.05E-09	1.29E-10	4.25E-10	2.93E-11	5.83E-10
4629	469983.79	3818032.88	1.51E-09	6.35E-09	5.72E-10	8.43E-09	1.26E-09	4.66E-09	4.10E-10	6.33E-09	1.43E-10	8.17E-10	9.75E-11	1.06E-09	1.30E-10	4.28E-10	2.95E-11	5.87E-10
4630	469992.73	3818029.34	1.52E-09	6.39E-09	5.76E-10	8.49E-09	1.27E-09	4.70E-09	4.13E-10	6.38E-09	1.44E-10	8.23E-10	9.82E-11	1.07E-09	1.31E-10	4.31E-10	2.97E-11	5.91E-10
4631	470001.66	3818025.8	1.53E-09	6.43E-09	5.79E-10	8.54E-09	1.28E-09	4.73E-09	4.16E-10	6.42E-09	1.45E-10	8.28E-10	9.88E-11	1.07E-09	1.31E-10	4.33E-10	2.99E-11	5.95E-10
4632	470010.59	3818022.27	1.54E-09	6.47E-09	5.83E-10	8.59E-09	1.28E-09	4.75E-09	4.18E-10	6.45E-09	1.45E-10	8.33E-10	9.94E-11	1.08E-09	1.32E-10	4.36E-10	3.01E-11	5.98E-10
4633	470019.53	3818018.73	1.55E-09	6.51E-09	5.86E-10	8.64E-09	1.29E-09	4.78E-09	4.21E-10	6.49E-09	1.46E-10	8.38E-10	9.99E-11	1.08E-09	1.33E-10	4.39E-10	3.02E-11	6.02E-10
4634	470046.33	3818008.11	1.57E-09	6.59E-09	5.94E-10	8.76E-09	1.31E-09	4.84E-09	4.26E-10	6.58E-09	1.48E-10	8.49E-10	1.01E-10	1.10E-09	1.35E-10	4.44E-10	3.06E-11	6.10E-10
4635	470055.26	3818004.57	1.57E-09	6.61E-09	5.96E-10	8.78E-09	1.31E-09	4.86E-09	4.27E-10	6.60E-09	1.49E-10	8.51E-10	1.02E-10	1.10E-09	1.35E-10	4.46E-10	3.07E-11	6.12E-10
4636	470064.2	3818001.03	1.58E-09	6.63E-09	5.97E-10	8.81E-09	1.31E-09	4.87E-09	4.29E-10	6.62E-09	1.49E-10	8.53E-10	1.02E-10	1.10E-09	1.36E-10	4.47E-10	3.08E-11	6.13E-10
4637	470073.13	3817997.5	1.58E-09	6.64E-09	5.98E-10	8.82E-09	1.32E-09	4.88E-09	4.29E-10	6.62E-09	1.49E-10	8.55E-10	1.02E-10	1.11E-09	1.36E-10	4.47E-10	3.08E-11	6.14E-10

4638	470082.07	3817993.96	1.58E-09	6.64E-09	5.98E-10	8.82E-09	1.32E-09	4.88E-09	4.29E-10	6.63E-09	1.49E-10	8.55E-10	1.02E-10	1.11E-09	1.36E-10	4.48E-10	3.09E-11	6.15E-10
4639	470091	3817990.42	1.58E-09	6.64E-09	5.98E-10	8.82E-09	1.32E-09	4.88E-09	4.29E-10	6.63E-09	1.49E-10	8.55E-10	1.02E-10	1.11E-09	1.36E-10	4.48E-10	3.09E-11	6.15E-10
4640	470099.93	3817986.88	1.58E-09	6.63E-09	5.97E-10	8.81E-09	1.32E-09	4.87E-09	4.29E-10	6.62E-09	1.49E-10	8.54E-10	1.02E-10	1.10E-09	1.36E-10	4.47E-10	3.08E-11	6.13E-10
4641	470108.87	3817983.34	1.58E-09	6.62E-09	5.96E-10	8.79E-09	1.31E-09	4.86E-09	4.28E-10	6.60E-09	1.49E-10	8.52E-10	1.02E-10	1.10E-09	1.35E-10	4.46E-10	3.07E-11	6.12E-10
4642	470117.8	3817979.8	1.57E-09	6.59E-09	5.93E-10	8.75E-09	1.31E-09	4.84E-09	4.26E-10	6.57E-09	1.48E-10	8.48E-10	1.01E-10	1.10E-09	1.35E-10	4.44E-10	3.06E-11	6.09E-10
4643	468848.82	3819230.21	4.39E-10	1.84E-09	1.66E-10	2.45E-09	3.66E-10	1.35E-09	1.19E-10	1.84E-09	4.15E-11	2.37E-10	2.83E-11	3.07E-10	3.77E-11	1.24E-10	8.57E-12	1.71E-10
4644	468848.62	3819239.86	4.47E-10	1.88E-09	1.69E-10	2.49E-09	3.72E-10	1.38E-09	1.21E-10	1.87E-09	4.22E-11	2.41E-10	2.88E-11	3.12E-10	3.83E-11	1.26E-10	8.72E-12	1.73E-10
4645	468848.43	3819249.51	4.55E-10	1.91E-09	1.72E-10	2.54E-09	3.79E-10	1.40E-09	1.23E-10	1.91E-09	4.30E-11	2.46E-10	2.93E-11	3.18E-10	3.91E-11	1.29E-10	8.88E-12	1.77E-10
4646	468848.24	3819259.16	4.62E-10	1.94E-09	1.75E-10	2.58E-09	3.85E-10	1.43E-09	1.26E-10	1.94E-09	4.37E-11	2.50E-10	2.98E-11	3.23E-10	3.97E-11	1.31E-10	9.02E-12	1.80E-10
4647	468848.04	3819268.81	4.69E-10	1.97E-09	1.77E-10	2.62E-09	3.91E-10	1.45E-09	1.27E-10	1.97E-09	4.43E-11	2.54E-10	3.03E-11	3.28E-10	4.03E-11	1.33E-10	9.16E-12	1.82E-10
4648	468847.85	3819278.45	4.77E-10	2.00E-09	1.80E-10	2.66E-09	3.97E-10	1.47E-09	1.29E-10	2.00E-09	4.50E-11	2.58E-10	3.08E-11	3.34E-10	4.09E-11	1.35E-10	9.30E-12	1.85E-10
4649	468847.66	3819288.1	4.84E-10	2.03E-09	1.83E-10	2.70E-09	4.03E-10	1.49E-09	1.31E-10	2.03E-09	4.57E-11	2.61E-10	3.12E-11	3.38E-10	4.15E-11	1.37E-10	9.44E-12	1.88E-10
4650	468847.46	3819297.75	4.91E-10	2.06E-09	1.86E-10	2.74E-09	4.09E-10	1.52E-09	1.33E-10	2.06E-09	4.64E-11	2.66E-10	3.17E-11	3.44E-10	4.22E-11	1.39E-10	9.59E-12	1.91E-10
4651	468847.27	3819307.4	4.97E-10	2.09E-09	1.88E-10	2.77E-09	4.14E-10	1.53E-09	1.35E-10	2.08E-09	4.70E-11	2.69E-10	3.21E-11	3.48E-10	4.27E-11	1.41E-10	9.71E-12	1.93E-10
4652	468847.08	3819317.05	5.04E-10	2.12E-09	1.91E-10	2.81E-09	4.20E-10	1.56E-09	1.37E-10	2.11E-09	4.76E-11	2.73E-10	3.25E-11	3.53E-10	4.33E-11	1.43E-10	9.84E-12	1.96E-10
4653	468846.88	3819326.69	5.10E-10	2.14E-09	1.93E-10	2.84E-09	4.25E-10	1.57E-09	1.38E-10	2.14E-09	4.81E-11	2.76E-10	3.29E-11	3.57E-10	4.38E-11	1.44E-10	9.95E-12	1.98E-10
4654	468846.69	3819336.34	5.15E-10	2.16E-09	1.95E-10	2.87E-09	4.29E-10	1.59E-09	1.40E-10	2.16E-09	4.87E-11	2.79E-10	3.32E-11	3.60E-10	4.42E-11	1.46E-10	1.01E-11	2.00E-10
4655	468846.5	3819345.99	5.20E-10	2.18E-09	1.97E-10	2.90E-09	4.33E-10	1.60E-09	1.41E-10	2.18E-09	4.91E-11	2.81E-10	3.35E-11	3.64E-10	4.46E-11	1.47E-10	1.01E-11	2.02E-10
4656	468846.3	3819355.64	5.25E-10	2.20E-09	1.99E-10	2.93E-09	4.37E-10	1.62E-09	1.42E-10	2.20E-09	4.96E-11	2.84E-10	3.39E-11	3.67E-10	4.51E-11	1.49E-10	1.02E-11	2.04E-10
4657	468846.11	3819365.29	5.29E-10	2.22E-09	2.00E-10	2.95E-09	4.41E-10	1.63E-09	1.44E-10	2.22E-09	5.00E-11	2.86E-10	3.41E-11	3.70E-10	4.54E-11	1.50E-10	1.03E-11	2.05E-10
4658	468845.92	3819374.94	5.33E-10	2.24E-09	2.02E-10	2.97E-09	4.44E-10	1.65E-09	1.45E-10	2.23E-09	5.03E-11	2.88E-10	3.44E-11	3.73E-10	4.58E-11	1.51E-10	1.04E-11	2.07E-10
4659	468845.73	3819384.58	5.37E-10	2.26E-09	2.03E-10	3.00E-09	4.47E-10	1.66E-09	1.46E-10	2.25E-09	5.07E-11	2.90E-10	3.47E-11	3.76E-10	4.61E-11	1.52E-10	1.05E-11	2.09E-10
4660	468845.53	3819394.23	5.41E-10	2.27E-09	2.04E-10	3.02E-09	4.50E-10	1.67E-09	1.47E-10	2.27E-09	5.11E-11	2.92E-10	3.49E-11	3.78E-10	4.64E-11	1.53E-10	1.05E-11	2.10E-10
4661	468845.34	3819403.88	5.44E-10	2.28E-09	2.06E-10	3.03E-09	4.53E-10	1.68E-09	1.48E-10	2.28E-09	5.14E-11	2.94E-10	3.51E-11	3.81E-10	4.67E-11	1.54E-10	1.06E-11	2.11E-10
4662	468845.15	3819413.53	5.48E-10	2.30E-09	2.07E-10	3.05E-09	4.56E-10	1.69E-09	1.49E-10	2.29E-09	5.17E-11	2.96E-10	3.53E-11	3.83E-10	4.70E-11	1.55E-10	1.07E-11	2.13E-10
4663	468844.95	3819423.18	5.50E-10	2.31E-09	2.08E-10	3.07E-09	4.58E-10	1.70E-09	1.49E-10	2.31E-09	5.20E-11	2.97E-10	3.55E-11	3.85E-10	4.72E-11	1.56E-10	1.07E-11	2.14E-10
4664	469127.64	3818387.47	6.95E-10	2.92E-09	2.63E-10	3.88E-09	5.79E-10	2.14E-09	1.89E-10	2.91E-09	6.56E-11	3.76E-10	4.48E-11	4.86E-10	5.97E-11	1.97E-10	1.36E-11	2.70E-10
4665	469131.49	3818378.63	6.96E-10	2.92E-09	2.63E-10	3.88E-09	5.79E-10	2.15E-09	1.89E-10	2.92E-09	6.57E-11	3.76E-10	4.49E-11	4.87E-10	5.97E-11	1.97E-10	1.36E-11	2.70E-10
4666	469135.34	3818369.79	6.96E-10	2.92E-09	2.63E-10	3.88E-09	5.79E-10	2.15E-09	1.89E-10	2.92E-09	6.57E-11	3.76E-10	4.49E-11	4.87E-10	5.97E-11	1.97E-10	1.36E-11	2.70E-10
4667	469139.2	3818360.95	6.96E-10	2.92E-09	2.63E-10	3.88E-09	5.80E-10	2.15E-09	1.89E-10	2.92E-09	6.58E-11	3.76E-10	4.49E-11	4.87E-10	5.98E-11	1.97E-10	1.36E-11	2.70E-10
4668	469143.05	3818352.12	6.98E-10	2.93E-09	2.64E-10	3.90E-09	5.82E-10	2.16E-09	1.90E-10	2.93E-09	6.60E-11	3.78E-10	4.51E-11	4.89E-10	6.00E-11	1.98E-10	1.36E-11	2.71E-10
4669	469146.91	3818343.28	7.01E-10	2.94E-09	2.65E-10	3.91E-09	5.83E-10	2.16E-09	1.90E-10	2.94E-09	6.62E-11	3.79E-10	4.52E-11	4.90E-10	6.01E-11	1.98E-10	1.37E-11	2.72E-10
4670	469150.76	3818334.44	7.03E-10	2.95E-09	2.66E-10	3.92E-09	5.86E-10	2.17E-09	1.91E-10	2.95E-09	6.64E-11	3.80E-10	4.54E-11	4.92E-10	6.04E-11	1.99E-10	1.37E-11	2.73E-10
4671	469154.61	3818325.61	7.06E-10	2.96E-09	2.67E-10	3.94E-09	5.88E-10	2.18E-09	1.92E-10	2.96E-09	6.67E-11	3.82E-10	4.55E-11	4.94E-10	6.06E-11	2.00E-10	1.38E-11	2.74E-10
4672	469158.47	3818316.77	7.09E-10	2.98E-09	2.68E-10	3.96E-09	5.91E-10	2.19E-09	1.93E-10	2.97E-09	6.70E-11	3.84E-10	4.58E-11	4.96E-10	6.09E-11	2.01E-10	1.38E-11	2.76E-10
4673	469162.32	3818307.93	7.13E-10	2.99E-09	2.70E-10	3.98E-09	5.94E-10	2.20E-09	1.94E-10	2.99E-09	6.73E-11	3.85E-10	4.60E-11	4.99E-10	6.12E-11	2.02E-10	1.39E-11	2.77E-10
4674	469166.18	3818299.09	7.17E-10	3.01E-09	2.71E-10	4.00E-09	5.97E-10	2.21E-09	1.95E-10	3.00E-09	6.77E-11	3.88E-10	4.62E-11	5.02E-10	6.15E-11	2.03E-10	1.40E-11	2.78E-10
4675	469170.03	3818290.26	7.20E-10	3.03E-09	2.72E-10	4.02E-09	6.00E-10	2.22E-09	1.96E-10	3.02E-09	6.80E-11	3.89E-10	4.65E-11	5.04E-10	6.18E-11	2.04E-10	1.41E-11	2.80E-10
4676	469173.88	3818281.42	7.23E-10	3.04E-09	2.73E-10	4.03E-09	6.02E-10	2.23E-09	1.96E-10	3.03E-09	6.83E-11	3.91E-10	4.66E-11	5.06E-10	6.21E-11	2.05E-10	1.41E-11	2.81E-10
4677	469186.7	3818269.03	7.38E-10	3.10E-09	2.79E-10	4.11E-09	6.14E-10	2.28E-09	2.00E-10	3.09E-09	6.96E-11	3.99E-10	4.76E-11	5.16E-10	6.33E-11	2.09E-10	1.44E-11	2.86E-10
4678	469195.66	3818265.48	7.50E-10	3.15E-09	2.84E-10	4.18E-09	6.25E-10	2.31E-09	2.04E-10	3.14E-09	7.08E-11	4.05E-10	4.84E-11	5.25E-10	6.44E-11	2.12E-10	1.46E-11	2.91E-10
4679	469204.63	3818261.93	7.62E-10	3.20E-09	2.88E-10	4.25E-09	6.35E-10	2.35E-09	2.07E-10	3.19E-09	7.20E-11	4.12E-10	4.92E-11	5.33E-10	6.54E-11	2.16E-10	1.49E-11	2.96E-10
4680	469213.59	3818258.38	7.75E-10	3.26E-09	2.93E-10	4.32E-09	6.46E-10	2.39E-09	2.10E-10	3.25E-09	7.32E-11	4.19E-10	5.00E-11	5.42E-10	6.66E-11	2.19E-10	1.51E-11	3.01E-10
4681	469222.55	3818254.83	7.88E-10	3.31E-09	2.98E-10	4.40E-09	6.57E-10	2.43E-09	2.14E-10	3.30E-09	7.44E-11	4.26E-10	5.08E-11	5.51E-10	6.77E-11	2.23E-10	1.54E-11	3.06E-10
4682	469231.52	3818251.28	8.01E-10	3.37E-09	3.03E-10	4.47E-09	6.67E-10	2.47E-09	2.18E-10	3.36E-09	7.57E-11	4.33E-10	5.17E-11	5.61E-10	6.88E-11	2.27E-10	1.56E-11	3.11E-10
4683	469240.48	3818247.73	8.14E-10	3.42E-09	3.08E-10	4.54E-09	6.78E-10	2.51E-09	2.21E-10	3.41E-09	7.68E-11	4.40E-10	5.25E-11	5.69E-10	6.99E-11	2.30E-10	1.59E-11	3.16E-10
4684	469249.44	3818244.18	8.25E-10	3.47E-09	3.12E-10	4.60E-09	6.87E-10	2.55E-09	2.24E-10	3.46E-09	7.79E-11	4.46E-10	5.32E-11	5.77E-10	7.09E-11	2.34E-10	1.61E-11	3.21E-10
4685	469258.41	3818240.63	8.36E-10	3.51E-09	3.16E-10	4.66E-09	6.97E-10	2.58E-09	2.27E-10	3.50E-09	7.90E-11	4.52E-10	5.39E-11	5.85E-10	7.18E-11	2.37E-10	1.63E-11	3.25E-10
4686	469267.37	3818237.08	8.47E-10	3.56E-09	3.20E-10	4.73E-09	7.06E-10	2.61E-09	2.30E-10	3.55E-09	8.00E-11	4.58E-10	5.47E-11	5.93E-10	7.27E-11	2.40E-10	1.65E-11	3.29E-10
4687	469276.34	3818233.53	8.59E-10	3.61E-09	3.25E-10	4.79E-09	7.15E-10	2.65E-09	2.33E-10	3.60E-09	8.11E-11	4.64E-10	5.54E-11	6.01E-10	7.37E-11	2.43E-10	1.68E-11	3.34E-10
4688	469285.3	3818229.98	8.70E-10	3.65E-09	3.29E-10	4.85E-09	7.25E-10	2.68E-09	2.36E-10	3.65E-09	8.22E-11	4.70E-10	5.61E-11	6.09E-10	7.47E-11	2.46E-10	1.70E-11	3.38E-10

4689	469294.26	3818226.43	8.80E-10	3.70E-09	3.33E-10	4.91E-09	7.33E-10	2.72E-09	2.39E-10	3.69E-09	8.31E-11	4.76E-10	5.68E-11	6.16E-10	7.56E-11	2.49E-10	1.72E-11	3.42E-10
4690	469303.23	3818222.88	8.90E-10	3.74E-09	3.37E-10	4.96E-09	7.41E-10	2.75E-09	2.42E-10	3.73E-09	8.40E-11	4.81E-10	5.74E-11	6.22E-10	7.64E-11	2.52E-10	1.74E-11	3.46E-10
4691	469312.19	3818219.33	8.99E-10	3.77E-09	3.40E-10	5.01E-09	7.49E-10	2.77E-09	2.44E-10	3.77E-09	8.49E-11	4.86E-10	5.80E-11	6.29E-10	7.72E-11	2.54E-10	1.75E-11	3.49E-10
4692	469321.15	3818215.78	9.07E-10	3.81E-09	3.43E-10	5.06E-09	7.55E-10	2.80E-09	2.46E-10	3.80E-09	8.57E-11	4.90E-10	5.85E-11	6.34E-10	7.79E-11	2.57E-10	1.77E-11	3.52E-10
4693	469330.12	3818212.23	9.15E-10	3.84E-09	3.46E-10	5.11E-09	7.62E-10	2.82E-09	2.48E-10	3.84E-09	8.64E-11	4.95E-10	5.90E-11	6.40E-10	7.86E-11	2.59E-10	1.79E-11	3.56E-10
4694	469339.08	3818208.68	9.22E-10	3.87E-09	3.49E-10	5.14E-09	7.68E-10	2.85E-09	2.50E-10	3.86E-09	8.71E-11	4.99E-10	5.95E-11	6.45E-10	7.92E-11	2.61E-10	1.80E-11	3.58E-10
4695	469348.04	3818205.13	9.28E-10	3.90E-09	3.51E-10	5.18E-09	7.73E-10	2.86E-09	2.52E-10	3.89E-09	8.77E-11	5.02E-10	5.99E-11	6.49E-10	7.97E-11	2.63E-10	1.81E-11	3.61E-10
4696	469357.01	3818201.58	9.34E-10	3.92E-09	3.53E-10	5.21E-09	7.78E-10	2.88E-09	2.54E-10	3.92E-09	8.82E-11	5.05E-10	6.03E-11	6.54E-10	8.02E-11	2.65E-10	1.82E-11	3.63E-10
4697	469365.97	3818198.03	9.40E-10	3.95E-09	3.55E-10	5.24E-09	7.83E-10	2.90E-09	2.55E-10	3.94E-09	8.88E-11	5.08E-10	6.06E-11	6.58E-10	8.07E-11	2.66E-10	1.83E-11	3.65E-10
4698	469374.93	3818194.48	9.45E-10	3.97E-09	3.58E-10	5.27E-09	7.88E-10	2.92E-09	2.57E-10	3.96E-09	8.93E-11	5.11E-10	6.10E-11	6.61E-10	8.12E-11	2.68E-10	1.84E-11	3.67E-10
4699	469383.9	3818190.93	9.50E-10	3.99E-09	3.59E-10	5.30E-09	7.92E-10	2.93E-09	2.58E-10	3.98E-09	8.97E-11	5.14E-10	6.13E-11	6.65E-10	8.16E-11	2.69E-10	1.85E-11	3.69E-10
4700	469392.86	3818187.38	9.55E-10	4.01E-09	3.61E-10	5.33E-09	7.96E-10	2.95E-09	2.59E-10	4.00E-09	9.02E-11	5.16E-10	6.16E-11	6.68E-10	8.20E-11	2.70E-10	1.86E-11	3.71E-10
4701	469401.82	3818183.83	9.60E-10	4.03E-09	3.63E-10	5.35E-09	8.00E-10	2.96E-09	2.61E-10	4.02E-09	9.06E-11	5.19E-10	6.19E-11	6.71E-10	8.24E-11	2.72E-10	1.87E-11	3.73E-10
4702	469410.79	3818180.28	9.65E-10	4.05E-09	3.65E-10	5.38E-09	8.04E-10	2.98E-09	2.62E-10	4.04E-09	9.11E-11	5.21E-10	6.22E-11	6.75E-10	8.28E-11	2.73E-10	1.88E-11	3.75E-10
4703	469419.75	3818176.73	9.69E-10	4.07E-09	3.66E-10	5.40E-09	8.07E-10	2.99E-09	2.63E-10	4.06E-09	9.15E-11	5.24E-10	6.25E-11	6.78E-10	8.32E-11	2.74E-10	1.89E-11	3.76E-10
4704	469428.71	3818173.18	9.75E-10	4.09E-09	3.69E-10	5.44E-09	8.12E-10	3.01E-09	2.65E-10	4.09E-09	9.21E-11	5.27E-10	6.29E-11	6.82E-10	8.37E-11	2.76E-10	1.90E-11	3.79E-10
4705	469437.68	3818169.63	9.81E-10	4.12E-09	3.71E-10	5.47E-09	8.17E-10	3.03E-09	2.66E-10	4.11E-09	9.26E-11	5.30E-10	6.33E-11	6.86E-10	8.42E-11	2.78E-10	1.91E-11	3.81E-10
4706	469446.64	3818166.08	9.87E-10	4.15E-09	3.73E-10	5.51E-09	8.22E-10	3.05E-09	2.68E-10	4.14E-09	9.32E-11	5.34E-10	6.37E-11	6.91E-10	8.48E-11	2.79E-10	1.93E-11	3.83E-10
4707	469455.6	3818162.53	9.93E-10	4.17E-09	3.76E-10	5.54E-09	8.28E-10	3.07E-09	2.70E-10	4.16E-09	9.38E-11	5.37E-10	6.41E-11	6.95E-10	8.53E-11	2.81E-10	1.94E-11	3.86E-10
4708	469464.57	3818158.98	9.99E-10	4.20E-09	3.78E-10	5.57E-09	8.32E-10	3.08E-09	2.71E-10	4.19E-09	9.43E-11	5.40E-10	6.44E-11	6.99E-10	8.58E-11	2.83E-10	1.95E-11	3.88E-10
4709	469473.53	3818155.43	1.00E-09	4.22E-09	3.80E-10	5.60E-09	8.37E-10	3.10E-09	2.73E-10	4.21E-09	9.48E-11	5.43E-10	6.48E-11	7.03E-10	8.62E-11	2.84E-10	1.96E-11	3.90E-10
4710	469482.5	3818151.88	1.01E-09	4.24E-09	3.82E-10	5.64E-09	8.42E-10	3.12E-09	2.74E-10	4.23E-09	9.54E-11	5.46E-10	6.52E-11	7.07E-10	8.68E-11	2.86E-10	1.97E-11	3.93E-10
4711	469491.46	3818148.33	1.02E-09	4.27E-09	3.85E-10	5.68E-09	8.48E-10	3.14E-09	2.76E-10	4.26E-09	9.61E-11	5.50E-10	6.56E-11	7.12E-10	8.73E-11	2.88E-10	1.99E-11	3.95E-10
4712	469500.42	3818144.78	1.02E-09	4.30E-09	3.87E-10	5.71E-09	8.53E-10	3.16E-09	2.78E-10	4.29E-09	9.67E-11	5.53E-10	6.60E-11	7.16E-10	8.79E-11	2.90E-10	2.00E-11	3.98E-10
4713	469509.39	3818141.23	1.03E-09	4.33E-09	3.90E-10	5.75E-09	8.59E-10	3.18E-09	2.80E-10	4.32E-09	9.74E-11	5.57E-10	6.65E-11	7.21E-10	8.85E-11	2.92E-10	2.01E-11	4.01E-10
4714	469518.35	3818137.68	1.04E-09	4.37E-09	3.93E-10	5.80E-09	8.66E-10	3.21E-09	2.82E-10	4.36E-09	9.82E-11	5.62E-10	6.70E-11	7.27E-10	8.92E-11	2.94E-10	2.03E-11	4.04E-10
4715	469527.31	3818134.13	1.05E-09	4.40E-09	3.96E-10	5.85E-09	8.73E-10	3.24E-09	2.85E-10	4.39E-09	9.90E-11	5.67E-10	6.76E-11	7.33E-10	9.00E-11	2.97E-10	2.05E-11	4.07E-10
4716	469536.28	3818130.58	1.06E-09	4.44E-09	4.00E-10	5.90E-09	8.81E-10	3.26E-09	2.87E-10	4.43E-09	9.98E-11	5.72E-10	6.82E-11	7.40E-10	9.08E-11	2.99E-10	2.06E-11	4.11E-10
4717	469545.24	3818127.03	1.07E-09	4.48E-09	4.03E-10	5.95E-09	8.88E-10	3.29E-09	2.89E-10	4.47E-09	1.01E-10	5.76E-10	6.88E-11	7.46E-10	9.15E-11	3.02E-10	2.08E-11	4.14E-10
4718	469554.2	3818123.48	1.07E-09	4.51E-09	4.06E-10	5.99E-09	8.94E-10	3.31E-09	2.91E-10	4.50E-09	1.01E-10	5.80E-10	6.93E-11	7.51E-10	9.22E-11	3.04E-10	2.10E-11	4.17E-10
4719	469563.17	3818119.93	1.08E-09	4.54E-09	4.09E-10	6.03E-09	9.01E-10	3.34E-09	2.94E-10	4.53E-09	1.02E-10	5.85E-10	6.98E-11	7.57E-10	9.29E-11	3.06E-10	2.11E-11	4.20E-10
4720	469572.13	3818116.38	1.09E-09	4.58E-09	4.12E-10	6.08E-09	9.08E-10	3.36E-09	2.96E-10	4.57E-09	1.03E-10	5.89E-10	7.03E-11	7.63E-10	9.36E-11	3.09E-10	2.13E-11	4.23E-10
4721	469581.09	3818112.83	1.10E-09	4.61E-09	4.15E-10	6.13E-09	9.15E-10	3.39E-09	2.98E-10	4.60E-09	1.04E-10	5.94E-10	7.09E-11	7.68E-10	9.43E-11	3.11E-10	2.14E-11	4.27E-10
4722	469590.06	3818109.28	1.11E-09	4.65E-09	4.19E-10	6.17E-09	9.22E-10	3.42E-09	3.00E-10	4.64E-09	1.05E-10	5.98E-10	7.14E-11	7.74E-10	9.50E-11	3.13E-10	2.16E-11	4.30E-10
4723	469599.02	3818105.73	1.11E-09	4.68E-09	4.22E-10	6.22E-09	9.29E-10	3.44E-09	3.03E-10	4.67E-09	1.05E-10	6.03E-10	7.19E-11	7.80E-10	9.57E-11	3.16E-10	2.18E-11	4.33E-10
4724	469607.98	3818102.18	1.12E-09	4.72E-09	4.25E-10	6.27E-09	9.36E-10	3.47E-09	3.05E-10	4.71E-09	1.06E-10	6.08E-10	7.25E-11	7.86E-10	9.65E-11	3.18E-10	2.19E-11	4.37E-10
4725	469616.95	3818098.63	1.13E-09	4.76E-09	4.28E-10	6.32E-09	9.43E-10	3.50E-09	3.07E-10	4.75E-09	1.07E-10	6.12E-10	7.31E-11	7.92E-10	9.72E-11	3.21E-10	2.21E-11	4.40E-10
4726	469625.91	3818095.08	1.14E-09	4.79E-09	4.32E-10	6.36E-09	9.50E-10	3.52E-09	3.10E-10	4.78E-09	1.08E-10	6.17E-10	7.36E-11	7.98E-10	9.80E-11	3.23E-10	2.23E-11	4.43E-10
4727	469634.87	3818091.53	1.15E-09	4.82E-09	4.34E-10	6.41E-09	9.57E-10	3.54E-09	3.12E-10	4.81E-09	1.08E-10	6.21E-10	7.41E-11	8.03E-10	9.86E-11	3.25E-10	2.24E-11	4.46E-10
4728	469643.84	3818087.98	1.16E-09	4.86E-09	4.37E-10	6.45E-09	9.63E-10	3.57E-09	3.14E-10	4.84E-09	1.09E-10	6.25E-10	7.46E-11	8.09E-10	9.92E-11	3.27E-10	2.26E-11	4.49E-10
4729	469652.8	3818084.43	1.16E-09	4.88E-09	4.40E-10	6.49E-09	9.69E-10	3.59E-09	3.16E-10	4.87E-09	1.10E-10	6.29E-10	7.50E-11	8.14E-10	9.98E-11	3.29E-10	2.27E-11	4.52E-10
4730	469661.77	3818080.88	1.17E-09	4.91E-09	4.42E-10	6.52E-09	9.74E-10	3.61E-09	3.17E-10	4.90E-09	1.10E-10	6.32E-10	7.54E-11	8.18E-10	1.00E-10	3.31E-10	2.28E-11	4.54E-10
4731	469670.73	3818077.33	1.18E-09	4.94E-09	4.45E-10	6.56E-09	9.80E-10	3.63E-09	3.19E-10	4.93E-09	1.11E-10	6.36E-10	7.59E-11	8.23E-10	1.01E-10	3.33E-10	2.29E-11	4.57E-10
4732	469679.69	3818073.78	1.18E-09	4.96E-09	4.47E-10	6.59E-09	9.84E-10	3.65E-09	3.21E-10	4.95E-09	1.12E-10	6.39E-10	7.62E-11	8.26E-10	1.01E-10	3.34E-10	2.31E-11	4.59E-10
4733	469715.55	3818059.58	1.20E-09	5.05E-09	4.54E-10	6.70E-09	1.00E-09	3.71E-09	3.26E-10	5.03E-09	1.13E-10	6.49E-10	7.75E-11	8.40E-10	1.03E-10	3.40E-10	2.34E-11	4.67E-10
4734	469724.51	3818056.03	1.21E-09	5.06E-09	4.56E-10	6.72E-09	1.00E-09	3.72E-09	3.27E-10	5.05E-09	1.14E-10	6.52E-10	7.78E-11	8.43E-10	1.03E-10	3.41E-10	2.35E-11	4.68E-10
4735	469733.47	3818052.48	1.21E-09	5.08E-09	4.57E-10	6.74E-09	1.01E-09	3.73E-09	3.28E-10	5.07E-09	1.14E-10	6.54E-10	7.80E-11	8.46E-10	1.04E-10	3.42E-10	2.36E-11	4.70E-10
4736	469742.44	3818048.93	1.21E-09	5.09E-09	4.58E-10	6.76E-09	1.01E-09	3.74E-09	3.29E-10	5.08E-09	1.14E-10	6.55E-10	7.82E-11	8.48E-10	1.04E-10	3.43E-10	2.37E-11	4.71E-10
4737	469751.4	3818045.38	1.22E-09	5.11E-09	4.60E-10	6.78E-09	1.01E-09	3.75E-09	3.30E-10	5.09E-09	1.15E-10	6.57E-10	7.84E-11	8.50E-10	1.04E-10	3.44E-10	2.37E-11	4.72E-10
4738	469760.36	3818041.83	1.22E-09	5.12E-09	4.61E-10	6.80E-09	1.01E-09	3.76E-09	3.31E-10	5.11E-09	1.15E-10	6.59E-10	7.86E-11	8.52E-10	1.05E-10	3.45E-10	2.38E-11	4.73E-10
4739	469769.33	3818038.28	1.22E-09	5.13E-09	4.62E-10	6.81E-09	1.02E-09	3.77E-09	3.32E-10	5.12E-09	1.15E-10	6.60E-10	7.88E-11	8.54E-10	1.05E-10	3.46E-10	2.38E-11	4.74E-10

4740	469778.29	3818034.73	1.22E-09	5.14E-09	4.63E-10	6.83E-09	1.02E-09	3.78E-09	3.32E-10	5.13E-09	1.16E-10	6.62E-10	7.89E-11	8.56E-10	1.05E-10	3.46E-10	2.39E-11	4.75E-10
4741	469787.25	3818031.18	1.23E-09	5.15E-09	4.64E-10	6.84E-09	1.02E-09	3.78E-09	3.33E-10	5.14E-09	1.16E-10	6.63E-10	7.91E-11	8.58E-10	1.05E-10	3.47E-10	2.39E-11	4.76E-10
4742	469796.22	3818027.63	1.23E-09	5.16E-09	4.64E-10	6.85E-09	1.02E-09	3.79E-09	3.33E-10	5.15E-09	1.16E-10	6.64E-10	7.92E-11	8.59E-10	1.05E-10	3.48E-10	2.40E-11	4.77E-10
4743	469805.18	3818024.08	1.23E-09	5.17E-09	4.65E-10	6.86E-09	1.02E-09	3.80E-09	3.34E-10	5.15E-09	1.16E-10	6.65E-10	7.93E-11	8.61E-10	1.06E-10	3.48E-10	2.40E-11	4.78E-10
4744	469814.14	3818020.53	1.23E-09	5.17E-09	4.66E-10	6.87E-09	1.03E-09	3.80E-09	3.34E-10	5.16E-09	1.16E-10	6.66E-10	7.94E-11	8.62E-10	1.06E-10	3.49E-10	2.40E-11	4.78E-10
4745	469823.11	3818016.98	1.23E-09	5.18E-09	4.67E-10	6.88E-09	1.03E-09	3.81E-09	3.35E-10	5.17E-09	1.16E-10	6.67E-10	7.96E-11	8.63E-10	1.06E-10	3.49E-10	2.41E-11	4.79E-10
4746	469832.07	3818013.43	1.24E-09	5.19E-09	4.68E-10	6.90E-09	1.03E-09	3.82E-09	3.36E-10	5.18E-09	1.17E-10	6.68E-10	7.97E-11	8.65E-10	1.06E-10	3.50E-10	2.41E-11	4.80E-10
4747	469841.03	3818009.88	1.24E-09	5.20E-09	4.68E-10	6.91E-09	1.03E-09	3.82E-09	3.36E-10	5.19E-09	1.17E-10	6.69E-10	7.99E-11	8.66E-10	1.06E-10	3.51E-10	2.42E-11	4.81E-10
4748	469850	3818006.33	1.24E-09	5.22E-09	4.70E-10	6.93E-09	1.03E-09	3.83E-09	3.37E-10	5.20E-09	1.17E-10	6.71E-10	8.01E-11	8.69E-10	1.07E-10	3.52E-10	2.42E-11	4.82E-10
4749	469858.96	3818002.78	1.25E-09	5.23E-09	4.71E-10	6.95E-09	1.04E-09	3.84E-09	3.38E-10	5.22E-09	1.18E-10	6.74E-10	8.04E-11	8.72E-10	1.07E-10	3.53E-10	2.43E-11	4.84E-10
4750	469867.93	3817999.23	1.25E-09	5.25E-09	4.73E-10	6.97E-09	1.04E-09	3.86E-09	3.39E-10	5.24E-09	1.18E-10	6.75E-10	8.06E-11	8.74E-10	1.07E-10	3.54E-10	2.44E-11	4.85E-10
4751	469876.89	3817995.68	1.25E-09	5.26E-09	4.74E-10	6.99E-09	1.04E-09	3.87E-09	3.40E-10	5.25E-09	1.18E-10	6.77E-10	8.08E-11	8.76E-10	1.08E-10	3.55E-10	2.44E-11	4.87E-10
4752	469885.85	3817992.13	1.26E-09	5.28E-09	4.76E-10	7.01E-09	1.05E-09	3.88E-09	3.41E-10	5.27E-09	1.19E-10	6.80E-10	8.11E-11	8.80E-10	1.08E-10	3.56E-10	2.45E-11	4.88E-10
4753	469894.82	3817988.58	1.26E-09	5.30E-09	4.78E-10	7.05E-09	1.05E-09	3.90E-09	3.43E-10	5.29E-09	1.19E-10	6.83E-10	8.15E-11	8.84E-10	1.08E-10	3.58E-10	2.46E-11	4.91E-10
4754	469903.78	3817985.03	1.27E-09	5.33E-09	4.80E-10	7.08E-09	1.06E-09	3.92E-09	3.45E-10	5.32E-09	1.20E-10	6.87E-10	8.19E-11	8.88E-10	1.09E-10	3.59E-10	2.48E-11	4.93E-10
4755	469912.74	3817981.48	1.28E-09	5.37E-09	4.83E-10	7.13E-09	1.06E-09	3.94E-09	3.47E-10	5.35E-09	1.21E-10	6.91E-10	8.24E-11	8.94E-10	1.10E-10	3.62E-10	2.49E-11	4.96E-10
4756	469921.71	3817977.93	1.29E-09	5.40E-09	4.86E-10	7.17E-09	1.07E-09	3.97E-09	3.49E-10	5.39E-09	1.21E-10	6.95E-10	8.29E-11	8.99E-10	1.10E-10	3.64E-10	2.51E-11	4.99E-10
4757	469930.67	3817974.38	1.29E-09	5.43E-09	4.89E-10	7.22E-09	1.08E-09	3.99E-09	3.51E-10	5.42E-09	1.22E-10	7.00E-10	8.35E-11	9.05E-10	1.11E-10	3.66E-10	2.52E-11	5.03E-10
4758	469939.63	3817970.83	1.30E-09	5.47E-09	4.93E-10	7.27E-09	1.09E-09	4.02E-09	3.54E-10	5.46E-09	1.23E-10	7.05E-10	8.41E-11	9.12E-10	1.12E-10	3.69E-10	2.54E-11	5.06E-10
4759	469948.6	3817967.28	1.31E-09	5.52E-09	4.97E-10	7.33E-09	1.09E-09	4.05E-09	3.57E-10	5.51E-09	1.24E-10	7.10E-10	8.47E-11	9.19E-10	1.13E-10	3.72E-10	2.56E-11	5.10E-10
4760	469957.56	3817963.73	1.33E-09	5.57E-09	5.01E-10	7.39E-09	1.10E-09	4.09E-09	3.60E-10	5.55E-09	1.25E-10	7.17E-10	8.55E-11	9.27E-10	1.14E-10	3.75E-10	2.59E-11	5.15E-10
4761	469966.52	3817960.18	1.34E-09	5.61E-09	5.05E-10	7.45E-09	1.11E-09	4.12E-09	3.62E-10	5.59E-09	1.26E-10	7.22E-10	8.61E-11	9.34E-10	1.15E-10	3.78E-10	2.61E-11	5.19E-10
4762	469975.49	3817956.63	1.34E-09	5.65E-09	5.09E-10	7.50E-09	1.12E-09	4.15E-09	3.65E-10	5.63E-09	1.27E-10	7.27E-10	8.67E-11	9.41E-10	1.15E-10	3.81E-10	2.62E-11	5.22E-10
4763	469984.45	3817953.07	1.35E-09	5.69E-09	5.12E-10	7.55E-09	1.13E-09	4.18E-09	3.68E-10	5.68E-09	1.28E-10	7.32E-10	8.74E-11	9.47E-10	1.16E-10	3.83E-10	2.64E-11	5.26E-10
4764	469993.41	3817949.52	1.36E-09	5.73E-09	5.16E-10	7.61E-09	1.14E-09	4.21E-09	3.70E-10	5.72E-09	1.29E-10	7.37E-10	8.80E-11	9.54E-10	1.17E-10	3.86E-10	2.66E-11	5.30E-10
4765	470002.38	3817945.97	1.37E-09	5.76E-09	5.19E-10	7.65E-09	1.14E-09	4.23E-09	3.72E-10	5.75E-09	1.30E-10	7.41E-10	8.85E-11	9.59E-10	1.18E-10	3.88E-10	2.68E-11	5.33E-10
4766	470011.34	3817942.42	1.38E-09	5.79E-09	5.22E-10	7.70E-09	1.15E-09	4.26E-09	3.75E-10	5.78E-09	1.30E-10	7.46E-10	8.90E-11	9.65E-10	1.18E-10	3.91E-10	2.69E-11	5.36E-10
4767	470020.3	3817938.87	1.39E-09	5.83E-09	5.25E-10	7.74E-09	1.16E-09	4.28E-09	3.77E-10	5.81E-09	1.31E-10	7.50E-10	8.95E-11	9.70E-10	1.19E-10	3.93E-10	2.71E-11	5.39E-10
4768	470047.19	3817928.22	1.41E-09	5.92E-09	5.33E-10	7.86E-09	1.17E-09	4.35E-09	3.83E-10	5.91E-09	1.33E-10	7.62E-10	9.09E-11	9.86E-10	1.21E-10	3.99E-10	2.75E-11	5.48E-10
4769	470056.16	3817924.67	1.42E-09	5.94E-09	5.35E-10	7.89E-09	1.18E-09	4.37E-09	3.84E-10	5.93E-09	1.34E-10	7.65E-10	9.13E-11	9.90E-10	1.22E-10	4.01E-10	2.76E-11	5.50E-10
4770	470065.12	3817921.12	1.42E-09	5.96E-09	5.37E-10	7.91E-09	1.18E-09	4.38E-09	3.85E-10	5.95E-09	1.34E-10	7.67E-10	9.15E-11	9.93E-10	1.22E-10	4.02E-10	2.77E-11	5.51E-10
4771	470074.09	3817917.57	1.42E-09	5.97E-09	5.38E-10	7.93E-09	1.18E-09	4.39E-09	3.86E-10	5.96E-09	1.34E-10	7.69E-10	9.17E-11	9.94E-10	1.22E-10	4.02E-10	2.77E-11	5.52E-10
4772	470083.05	3817914.02	1.42E-09	5.97E-09	5.38E-10	7.93E-09	1.18E-09	4.39E-09	3.86E-10	5.96E-09	1.34E-10	7.69E-10	9.17E-11	9.95E-10	1.22E-10	4.03E-10	2.78E-11	5.52E-10
4773	470092.01	3817910.47	1.42E-09	5.97E-09	5.38E-10	7.93E-09	1.18E-09	4.39E-09	3.86E-10	5.96E-09	1.34E-10	7.69E-10	9.17E-11	9.94E-10	1.22E-10	4.02E-10	2.77E-11	5.52E-10
4774	470100.98	3817906.92	1.42E-09	5.96E-09	5.37E-10	7.92E-09	1.18E-09	4.38E-09	3.85E-10	5.95E-09	1.34E-10	7.67E-10	9.16E-11	9.93E-10	1.22E-10	4.02E-10	2.77E-11	5.51E-10
4775	470109.94	3817903.37	1.42E-09	5.95E-09	5.36E-10	7.90E-09	1.18E-09	4.37E-09	3.84E-10	5.93E-09	1.34E-10	7.66E-10	9.13E-11	9.91E-10	1.22E-10	4.01E-10	2.76E-11	5.50E-10
4776	470118.9	3817899.82	1.41E-09	5.92E-09	5.33E-10	7.87E-09	1.17E-09	4.35E-09	3.83E-10	5.91E-09	1.33E-10	7.63E-10	9.10E-11	9.87E-10	1.21E-10	3.99E-10	2.75E-11	5.48E-10
4777	468768.83	3819228.61	3.92E-10	1.65E-09	1.48E-10	2.19E-09	3.27E-10	1.21E-09	1.07E-10	1.64E-09	3.71E-11	2.12E-10	2.53E-11	2.75E-10	3.37E-11	1.11E-10	7.66E-12	1.52E-10
4778	468768.64	3819238.26	3.99E-10	1.68E-09	1.51E-10	2.23E-09	3.33E-10	1.23E-09	1.08E-10	1.67E-09	3.77E-11	2.16E-10	2.58E-11	2.79E-10	3.43E-11	1.13E-10	7.79E-12	1.55E-10
4779	468768.45	3819247.91	4.07E-10	1.71E-09	1.54E-10	2.27E-09	3.39E-10	1.26E-09	1.10E-10	1.70E-09	3.84E-11	2.20E-10	2.62E-11	2.85E-10	3.49E-11	1.15E-10	7.94E-12	1.58E-10
4780	468768.25	3819257.56	4.14E-10	1.74E-09	1.56E-10	2.31E-09	3.45E-10	1.28E-09	1.12E-10	1.73E-09	3.91E-11	2.24E-10	2.67E-11	2.89E-10	3.55E-11	1.17E-10	8.07E-12	1.61E-10
4781	468768.06	3819267.2	4.21E-10	1.77E-09	1.59E-10	2.35E-09	3.50E-10	1.30E-09	1.14E-10	1.76E-09	3.97E-11	2.27E-10	2.71E-11	2.94E-10	3.61E-11	1.19E-10	8.21E-12	1.63E-10
4782	468767.87	3819276.85	4.27E-10	1.80E-09	1.62E-10	2.38E-09	3.56E-10	1.32E-09	1.16E-10	1.79E-09	4.04E-11	2.31E-10	2.76E-11	2.99E-10	3.67E-11	1.21E-10	8.34E-12	1.66E-10
4783	468767.67	3819286.5	4.34E-10	1.82E-09	1.64E-10	2.42E-09	3.61E-10	1.34E-09	1.18E-10	1.82E-09	4.09E-11	2.34E-10	2.80E-11	3.03E-10	3.72E-11	1.23E-10	8.46E-12	1.68E-10
4784	468767.48	3819296.15	4.40E-10	1.85E-09	1.66E-10	2.45E-09	3.66E-10	1.36E-09	1.19E-10	1.84E-09	4.15E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.24E-10	8.58E-12	1.71E-10
4785	468767.29	3819305.8	4.46E-10	1.87E-09	1.69E-10	2.49E-09	3.71E-10	1.38E-09	1.21E-10	1.87E-09	4.21E-11	2.41E-10	2.88E-11	3.12E-10	3.83E-11	1.26E-10	8.70E-12	1.73E-10
4786	468767.09	3819315.45	4.51E-10	1.90E-09	1.71E-10	2.52E-09	3.76E-10	1.39E-09	1.23E-10	1.89E-09	4.26E-11	2.44E-10	2.91E-11	3.16E-10	3.88E-11	1.28E-10	8.81E-12	1.75E-10
4787	468766.9	3819325.09	4.57E-10	1.92E-09	1.73E-10	2.55E-09	3.81E-10	1.41E-09	1.24E-10	1.91E-09	4.31E-11	2.47E-10	2.95E-11	3.20E-10	3.92E-11	1.29E-10	8.92E-12	1.77E-10
4788	468766.71	3819334.74	4.62E-10	1.94E-09	1.75E-10	2.58E-09	3.85E-10	1.42E-09	1.25E-10	1.93E-09	4.36E-11	2.50E-10	2.98E-11	3.23E-10	3.96E-11	1.31E-10	9.01E-12	1.79E-10
4789	468766.51	3819344.39	4.66E-10	1.96E-09	1.76E-10	2.60E-09	3.88E-10	1.44E-09	1.26E-10	1.95E-09	4.40E-11	2.52E-10	3.00E-11	3.26E-10	4.00E-11	1.32E-10	9.09E-12	1.81E-10
4790	468766.32	3819354.04	4.70E-10	1.97E-09	1.78E-10	2.62E-09	3.91E-10	1.45E-09	1.28E-10	1.97E-09	4.44E-11	2.54E-10	3.03E-11	3.29E-10	4.03E-11	1.33E-10	9.17E-12	1.83E-10

4791	468766.13	3819363.69	4.74E-10	1.99E-09	1.79E-10	2.64E-09	3.95E-10	1.46E-09	1.29E-10	1.99E-09	4.48E-11	2.56E-10	3.06E-11	3.32E-10	4.07E-11	1.34E-10	9.25E-12	1.84E-10
4792	468765.93	3819373.33	4.78E-10	2.01E-09	1.81E-10	2.66E-09	3.98E-10	1.47E-09	1.30E-10	2.00E-09	4.51E-11	2.58E-10	3.08E-11	3.34E-10	4.10E-11	1.35E-10	9.32E-12	1.85E-10
4793	468765.74	3819382.98	4.81E-10	2.02E-09	1.82E-10	2.68E-09	4.01E-10	1.48E-09	1.31E-10	2.02E-09	4.54E-11	2.60E-10	3.10E-11	3.36E-10	4.13E-11	1.36E-10	9.38E-12	1.87E-10
4794	468765.55	3819392.63	4.84E-10	2.03E-09	1.83E-10	2.70E-09	4.03E-10	1.49E-09	1.31E-10	2.03E-09	4.57E-11	2.61E-10	3.12E-11	3.38E-10	4.15E-11	1.37E-10	9.44E-12	1.88E-10
4795	468765.35	3819402.28	4.86E-10	2.04E-09	1.84E-10	2.71E-09	4.05E-10	1.50E-09	1.32E-10	2.04E-09	4.59E-11	2.63E-10	3.14E-11	3.40E-10	4.18E-11	1.38E-10	9.49E-12	1.89E-10
4796	468765.16	3819411.93	4.89E-10	2.05E-09	1.85E-10	2.72E-09	4.07E-10	1.51E-09	1.33E-10	2.05E-09	4.61E-11	2.64E-10	3.15E-11	3.42E-10	4.19E-11	1.38E-10	9.53E-12	1.90E-10
4797	468764.97	3819421.58	4.90E-10	2.06E-09	1.85E-10	2.73E-09	4.08E-10	1.51E-09	1.33E-10	2.05E-09	4.63E-11	2.65E-10	3.16E-11	3.43E-10	4.21E-11	1.39E-10	9.56E-12	1.90E-10
4798	468696.9	3819190.14	3.34E-10	1.40E-09	1.26E-10	1.86E-09	2.78E-10	1.03E-09	9.07E-11	1.40E-09	3.16E-11	1.81E-10	2.16E-11	2.34E-10	2.87E-11	9.46E-11	6.52E-12	1.30E-10
4799	468700.73	3819181.36	3.30E-10	1.39E-09	1.25E-10	1.84E-09	2.75E-10	1.02E-09	8.96E-11	1.38E-09	3.12E-11	1.78E-10	2.13E-11	2.31E-10	2.83E-11	9.34E-11	6.44E-12	1.28E-10
4800	468704.56	3819172.58	3.27E-10	1.37E-09	1.24E-10	1.82E-09	2.72E-10	1.01E-09	8.87E-11	1.37E-09	3.08E-11	1.77E-10	2.11E-11	2.28E-10	2.80E-11	9.24E-11	6.37E-12	1.27E-10
4801	468708.39	3819163.79	3.23E-10	1.36E-09	1.22E-10	1.80E-09	2.69E-10	9.97E-10	8.77E-11	1.35E-09	3.05E-11	1.75E-10	2.08E-11	2.26E-10	2.77E-11	9.15E-11	6.31E-12	1.26E-10
4802	468712.22	3819155.01	3.20E-10	1.35E-09	1.21E-10	1.79E-09	2.67E-10	9.89E-10	8.70E-11	1.34E-09	3.03E-11	1.73E-10	2.07E-11	2.24E-10	2.75E-11	9.07E-11	6.25E-12	1.24E-10
4803	468716.05	3819146.22	3.17E-10	1.33E-09	1.20E-10	1.77E-09	2.64E-10	9.78E-10	8.60E-11	1.33E-09	2.99E-11	1.71E-10	2.04E-11	2.22E-10	2.72E-11	8.97E-11	6.19E-12	1.23E-10
4804	468719.88	3819137.44	3.14E-10	1.32E-09	1.19E-10	1.75E-09	2.62E-10	9.70E-10	8.53E-11	1.32E-09	2.97E-11	1.70E-10	2.03E-11	2.20E-10	2.70E-11	8.89E-11	6.13E-12	1.22E-10
4805	468723.71	3819128.65	3.12E-10	1.31E-09	1.18E-10	1.74E-09	2.60E-10	9.63E-10	8.47E-11	1.31E-09	2.95E-11	1.69E-10	2.01E-11	2.18E-10	2.68E-11	8.84E-11	6.09E-12	1.21E-10
4806	468727.54	3819119.87	3.10E-10	1.30E-09	1.17E-10	1.73E-09	2.58E-10	9.57E-10	8.42E-11	1.30E-09	2.93E-11	1.68E-10	2.00E-11	2.17E-10	2.66E-11	8.78E-11	6.05E-12	1.20E-10
4807	468731.38	3819111.08	3.09E-10	1.30E-09	1.17E-10	1.72E-09	2.57E-10	9.53E-10	8.38E-11	1.29E-09	2.92E-11	1.67E-10	1.99E-11	2.16E-10	2.65E-11	8.74E-11	6.02E-12	1.20E-10
4808	469045.52	3818390.75	6.17E-10	2.59E-09	2.33E-10	3.44E-09	5.14E-10	1.90E-09	1.67E-10	2.58E-09	5.82E-11	3.33E-10	3.98E-11	4.31E-10	5.30E-11	1.75E-10	1.20E-11	2.40E-10
4809	469049.35	3818381.96	6.17E-10	2.59E-09	2.34E-10	3.44E-09	5.14E-10	1.91E-09	1.68E-10	2.59E-09	5.83E-11	3.34E-10	3.98E-11	4.32E-10	5.30E-11	1.75E-10	1.20E-11	2.40E-10
4810	469053.18	3818373.18	6.17E-10	2.59E-09	2.34E-10	3.44E-09	5.14E-10	1.91E-09	1.68E-10	2.59E-09	5.83E-11	3.34E-10	3.98E-11	4.32E-10	5.30E-11	1.75E-10	1.20E-11	2.40E-10
4811	469057.01	3818364.39	6.17E-10	2.59E-09	2.34E-10	3.44E-09	5.14E-10	1.91E-09	1.68E-10	2.59E-09	5.83E-11	3.34E-10	3.98E-11	4.32E-10	5.30E-11	1.75E-10	1.20E-11	2.40E-10
4812	469060.85	3818355.61	6.17E-10	2.59E-09	2.33E-10	3.44E-09	5.14E-10	1.90E-09	1.67E-10	2.58E-09	5.82E-11	3.33E-10	3.98E-11	4.31E-10	5.30E-11	1.75E-10	1.20E-11	2.40E-10
4813	469064.68	3818346.83	6.17E-10	2.59E-09	2.34E-10	3.44E-09	5.14E-10	1.91E-09	1.68E-10	2.59E-09	5.83E-11	3.34E-10	3.98E-11	4.32E-10	5.30E-11	1.75E-10	1.20E-11	2.40E-10
4814	469068.51	3818338.04	6.18E-10	2.60E-09	2.34E-10	3.45E-09	5.15E-10	1.91E-09	1.68E-10	2.59E-09	5.84E-11	3.34E-10	3.99E-11	4.32E-10	5.31E-11	1.75E-10	1.21E-11	2.40E-10
4815	469072.34	3818329.26	6.19E-10	2.60E-09	2.34E-10	3.45E-09	5.15E-10	1.91E-09	1.68E-10	2.59E-09	5.84E-11	3.35E-10	3.99E-11	4.33E-10	5.31E-11	1.75E-10	1.21E-11	2.40E-10
4816	469076.17	3818320.47	6.20E-10	2.60E-09	2.34E-10	3.46E-09	5.16E-10	1.91E-09	1.68E-10	2.60E-09	5.85E-11	3.35E-10	4.00E-11	4.33E-10	5.32E-11	1.75E-10	1.21E-11	2.41E-10
4817	469080	3818311.69	6.21E-10	2.61E-09	2.35E-10	3.46E-09	5.17E-10	1.92E-09	1.69E-10	2.60E-09	5.86E-11	3.36E-10	4.01E-11	4.34E-10	5.33E-11	1.76E-10	1.21E-11	2.41E-10
4818	469083.83	3818302.9	6.22E-10	2.61E-09	2.35E-10	3.47E-09	5.18E-10	1.92E-09	1.69E-10	2.61E-09	5.88E-11	3.36E-10	4.01E-11	4.35E-10	5.34E-11	1.76E-10	1.21E-11	2.42E-10
4819	469087.66	3818294.12	6.24E-10	2.62E-09	2.36E-10	3.48E-09	5.20E-10	1.93E-09	1.69E-10	2.62E-09	5.90E-11	3.38E-10	4.03E-11	4.37E-10	5.36E-11	1.77E-10	1.22E-11	2.43E-10
4820	469091.49	3818285.33	6.25E-10	2.62E-09	2.36E-10	3.49E-09	5.21E-10	1.93E-09	1.70E-10	2.62E-09	5.90E-11	3.38E-10	4.03E-11	4.37E-10	5.37E-11	1.77E-10	1.22E-11	2.43E-10
4821	469095.32	3818276.55	6.26E-10	2.63E-09	2.37E-10	3.49E-09	5.22E-10	1.93E-09	1.70E-10	2.62E-09	5.92E-11	3.39E-10	4.04E-11	4.38E-10	5.38E-11	1.77E-10	1.22E-11	2.43E-10
4822	469099.16	3818267.76	6.28E-10	2.64E-09	2.38E-10	3.51E-09	5.23E-10	1.94E-09	1.71E-10	2.63E-09	5.93E-11	3.40E-10	4.05E-11	4.40E-10	5.40E-11	1.78E-10	1.23E-11	2.44E-10
4823	469102.99	3818258.98	6.31E-10	2.65E-09	2.38E-10	3.52E-09	5.25E-10	1.95E-09	1.71E-10	2.64E-09	5.95E-11	3.41E-10	4.07E-11	4.41E-10	5.41E-11	1.78E-10	1.23E-11	2.45E-10
4824	469106.82	3818250.2	6.34E-10	2.66E-09	2.40E-10	3.54E-09	5.28E-10	1.96E-09	1.72E-10	2.66E-09	5.99E-11	3.43E-10	4.09E-11	4.43E-10	5.44E-11	1.79E-10	1.24E-11	2.46E-10
4825	469110.65	3818241.41	6.37E-10	2.68E-09	2.41E-10	3.56E-09	5.31E-10	1.97E-09	1.73E-10	2.67E-09	6.02E-11	3.45E-10	4.11E-11	4.46E-10	5.47E-11	1.80E-10	1.24E-11	2.48E-10
4826	469114.48	3818232.63	6.41E-10	2.69E-09	2.42E-10	3.57E-09	5.34E-10	1.98E-09	1.74E-10	2.69E-09	6.05E-11	3.46E-10	4.13E-11	4.48E-10	5.50E-11	1.81E-10	1.25E-11	2.49E-10
4827	469118.31	3818223.84	6.45E-10	2.71E-09	2.44E-10	3.60E-09	5.37E-10	1.99E-09	1.75E-10	2.70E-09	6.09E-11	3.49E-10	4.16E-11	4.51E-10	5.54E-11	1.83E-10	1.26E-11	2.51E-10
4828	469131.05	3818211.53	6.59E-10	2.77E-09	2.49E-10	3.68E-09	5.49E-10	2.03E-09	1.79E-10	2.76E-09	6.23E-11	3.56E-10	4.25E-11	4.61E-10	5.66E-11	1.87E-10	1.29E-11	2.56E-10
4829	469139.96	3818208	6.70E-10	2.81E-09	2.53E-10	3.73E-09	5.58E-10	2.07E-09	1.82E-10	2.81E-09	6.32E-11	3.62E-10	4.32E-11	4.68E-10	5.75E-11	1.90E-10	1.31E-11	2.60E-10
4830	469148.87	3818204.47	6.81E-10	2.86E-09	2.57E-10	3.80E-09	5.67E-10	2.10E-09	1.85E-10	2.85E-09	6.43E-11	3.68E-10	4.39E-11	4.76E-10	5.84E-11	1.93E-10	1.33E-11	2.64E-10
4831	469157.78	3818200.94	6.91E-10	2.90E-09	2.61E-10	3.85E-09	5.75E-10	2.13E-09	1.88E-10	2.90E-09	6.52E-11	3.74E-10	4.46E-11	4.83E-10	5.93E-11	1.96E-10	1.35E-11	2.68E-10
4832	469166.69	3818197.41	7.02E-10	2.95E-09	2.65E-10	3.91E-09	5.85E-10	2.17E-09	1.91E-10	2.94E-09	6.63E-11	3.79E-10	4.53E-11	4.91E-10	6.03E-11	1.99E-10	1.37E-11	2.73E-10
4833	469175.6	3818193.88	7.13E-10	2.99E-09	2.70E-10	3.98E-09	5.94E-10	2.20E-09	1.94E-10	2.99E-09	6.73E-11	3.85E-10	4.60E-11	4.99E-10	6.12E-11	2.02E-10	1.39E-11	2.77E-10
4834	469184.51	3818190.35	7.24E-10	3.04E-09	2.74E-10	4.04E-09	6.03E-10	2.23E-09	1.96E-10	3.03E-09	6.84E-11	3.91E-10	4.67E-11	5.06E-10	6.21E-11	2.05E-10	1.41E-11	2.81E-10
4835	469193.42	3818186.83	7.35E-10	3.09E-09	2.78E-10	4.10E-09	6.12E-10	2.27E-09	1.99E-10	3.08E-09	6.94E-11	3.97E-10	4.74E-11	5.14E-10	6.31E-11	2.08E-10	1.43E-11	2.85E-10
4836	469202.33	3818183.3	7.45E-10	3.13E-09	2.82E-10	4.16E-09	6.21E-10	2.30E-09	2.02E-10	3.12E-09	7.04E-11	4.03E-10	4.81E-11	5.21E-10	6.40E-11	2.11E-10	1.45E-11	2.89E-10
4837	469211.24	3818179.77	7.55E-10	3.17E-09	2.85E-10	4.21E-09	6.29E-10	2.33E-09	2.05E-10	3.16E-09	7.13E-11	4.08E-10	4.87E-11	5.28E-10	6.48E-11	2.14E-10	1.47E-11	2.93E-10
4838	469220.15	3818176.24	7.64E-10	3.21E-09	2.89E-10	4.26E-09	6.37E-10	2.36E-09	2.07E-10	3.20E-09	7.22E-11	4.13E-10	4.93E-11	5.35E-10	6.56E-11	2.16E-10	1.49E-11	2.97E-10
4839	469229.06	3818172.71	7.74E-10	3.25E-09	2.93E-10	4.32E-09	6.45E-10	2.39E-09	2.10E-10	3.24E-09	7.31E-11	4.18E-10	4.99E-11	5.41E-10	6.64E-11	2.19E-10	1.51E-11	3.01E-10
4840	469237.97	3818169.18	7.82E-10	3.28E-09	2.96E-10	4.36E-09	6.51E-10	2.41E-09	2.12E-10	3.28E-09	7.39E-11	4.23E-10	5.04E-11	5.47E-10	6.71E-11	2.21E-10	1.53E-11	3.04E-10
4841	469246.89	3818165.65	7.90E-10	3.32E-09	2.99E-10	4.41E-09	6.58E-10	2.44E-09	2.15E-10	3.31E-09	7.46E-11	4.27E-10	5.10E-11	5.53E-10	6.79E-11	2.24E-10	1.54E-11	3.07E-10

4842	469255.8	3818162.12	7.99E-10	3.35E-09	3.02E-10	4.45E-09	6.65E-10	2.46E-09	2.17E-10	3.35E-09	7.54E-11	4.32E-10	5.15E-11	5.59E-10	6.86E-11	2.26E-10	1.56E-11	3.10E-10
4843	469264.71	3818158.59	8.05E-10	3.38E-09	3.05E-10	4.49E-09	6.71E-10	2.49E-09	2.19E-10	3.38E-09	7.61E-11	4.35E-10	5.20E-11	5.63E-10	6.91E-11	2.28E-10	1.57E-11	3.13E-10
4844	469273.62	3818155.06	8.12E-10	3.41E-09	3.07E-10	4.53E-09	6.77E-10	2.51E-09	2.21E-10	3.40E-09	7.67E-11	4.39E-10	5.24E-11	5.68E-10	6.97E-11	2.30E-10	1.59E-11	3.16E-10
4845	469282.53	3818151.54	8.19E-10	3.44E-09	3.10E-10	4.57E-09	6.82E-10	2.53E-09	2.22E-10	3.43E-09	7.73E-11	4.42E-10	5.28E-11	5.73E-10	7.03E-11	2.32E-10	1.60E-11	3.18E-10
4846	469291.44	3818148.01	8.24E-10	3.46E-09	3.12E-10	4.60E-09	6.86E-10	2.54E-09	2.24E-10	3.45E-09	7.78E-11	4.45E-10	5.31E-11	5.76E-10	7.07E-11	2.33E-10	1.61E-11	3.20E-10
4847	469300.35	3818144.48	8.29E-10	3.48E-09	3.13E-10	4.62E-09	6.90E-10	2.56E-09	2.25E-10	3.47E-09	7.83E-11	4.48E-10	5.35E-11	5.80E-10	7.12E-11	2.35E-10	1.62E-11	3.22E-10
4848	469309.26	3818140.95	8.34E-10	3.50E-09	3.15E-10	4.65E-09	6.94E-10	2.57E-09	2.26E-10	3.49E-09	7.87E-11	4.51E-10	5.38E-11	5.83E-10	7.16E-11	2.36E-10	1.63E-11	3.24E-10
4849	469318.17	3818137.42	8.38E-10	3.52E-09	3.17E-10	4.67E-09	6.98E-10	2.59E-09	2.27E-10	3.51E-09	7.91E-11	4.53E-10	5.40E-11	5.86E-10	7.19E-11	2.37E-10	1.63E-11	3.25E-10
4850	469327.08	3818133.89	8.42E-10	3.54E-09	3.18E-10	4.70E-09	7.01E-10	2.60E-09	2.29E-10	3.53E-09	7.95E-11	4.55E-10	5.43E-11	5.89E-10	7.23E-11	2.38E-10	1.64E-11	3.27E-10
4851	469335.99	3818130.36	8.47E-10	3.56E-09	3.20E-10	4.72E-09	7.05E-10	2.61E-09	2.30E-10	3.55E-09	8.00E-11	4.58E-10	5.46E-11	5.92E-10	7.27E-11	2.40E-10	1.65E-11	3.29E-10
4852	469344.9	3818126.83	8.51E-10	3.58E-09	3.22E-10	4.75E-09	7.09E-10	2.63E-09	2.31E-10	3.57E-09	8.04E-11	4.60E-10	5.49E-11	5.96E-10	7.31E-11	2.41E-10	1.66E-11	3.31E-10
4853	469353.81	3818123.3	8.56E-10	3.59E-09	3.24E-10	4.77E-09	7.13E-10	2.64E-09	2.32E-10	3.59E-09	8.08E-11	4.63E-10	5.52E-11	5.99E-10	7.34E-11	2.42E-10	1.67E-11	3.32E-10
4854	469362.72	3818119.77	8.60E-10	3.61E-09	3.25E-10	4.80E-09	7.17E-10	2.65E-09	2.34E-10	3.61E-09	8.12E-11	4.65E-10	5.55E-11	6.02E-10	7.39E-11	2.44E-10	1.68E-11	3.34E-10
4855	469371.63	3818116.25	8.64E-10	3.63E-09	3.27E-10	4.82E-09	7.19E-10	2.67E-09	2.34E-10	3.62E-09	8.16E-11	4.67E-10	5.57E-11	6.04E-10	7.42E-11	2.45E-10	1.69E-11	3.36E-10
4856	469380.54	3818112.72	8.67E-10	3.64E-09	3.28E-10	4.84E-09	7.22E-10	2.68E-09	2.35E-10	3.63E-09	8.19E-11	4.69E-10	5.59E-11	6.07E-10	7.44E-11	2.45E-10	1.69E-11	3.37E-10
4857	469389.45	3818109.19	8.71E-10	3.66E-09	3.29E-10	4.86E-09	7.25E-10	2.69E-09	2.36E-10	3.65E-09	8.22E-11	4.71E-10	5.62E-11	6.09E-10	7.47E-11	2.46E-10	1.70E-11	3.38E-10
4858	469398.36	3818105.66	8.75E-10	3.67E-09	3.31E-10	4.88E-09	7.29E-10	2.70E-09	2.37E-10	3.67E-09	8.26E-11	4.73E-10	5.64E-11	6.12E-10	7.51E-11	2.48E-10	1.71E-11	3.40E-10
4859	469407.27	3818102.13	8.79E-10	3.69E-09	3.32E-10	4.90E-09	7.32E-10	2.71E-09	2.39E-10	3.68E-09	8.30E-11	4.75E-10	5.67E-11	6.15E-10	7.54E-11	2.49E-10	1.71E-11	3.41E-10
4860	469416.18	3818098.6	8.83E-10	3.71E-09	3.34E-10	4.93E-09	7.36E-10	2.72E-09	2.40E-10	3.70E-09	8.34E-11	4.77E-10	5.70E-11	6.18E-10	7.58E-11	2.50E-10	1.72E-11	3.43E-10
4861	469425.09	3818095.07	8.88E-10	3.73E-09	3.36E-10	4.95E-09	7.39E-10	2.74E-09	2.41E-10	3.72E-09	8.38E-11	4.80E-10	5.73E-11	6.21E-10	7.62E-11	2.51E-10	1.73E-11	3.45E-10
4862	469434	3818091.54	8.93E-10	3.75E-09	3.38E-10	4.98E-09	7.43E-10	2.75E-09	2.42E-10	3.74E-09	8.43E-11	4.83E-10	5.76E-11	6.24E-10	7.66E-11	2.53E-10	1.74E-11	3.47E-10
4863	469442.91	3818088.01	8.97E-10	3.77E-09	3.39E-10	5.01E-09	7.48E-10	2.77E-09	2.44E-10	3.76E-09	8.47E-11	4.85E-10	5.79E-11	6.28E-10	7.70E-11	2.54E-10	1.75E-11	3.49E-10
4864	469451.82	3818084.48	9.04E-10	3.79E-09	3.42E-10	5.04E-09	7.53E-10	2.79E-09	2.45E-10	3.79E-09	8.53E-11	4.88E-10	5.83E-11	6.32E-10	7.76E-11	2.56E-10	1.76E-11	3.51E-10
4865	469460.73	3818080.96	9.10E-10	3.82E-09	3.44E-10	5.08E-09	7.58E-10	2.81E-09	2.47E-10	3.82E-09	8.60E-11	4.92E-10	5.87E-11	6.37E-10	7.82E-11	2.58E-10	1.78E-11	3.54E-10
4866	469469.64	3818077.43	9.17E-10	3.85E-09	3.47E-10	5.12E-09	7.64E-10	2.83E-09	2.49E-10	3.84E-09	8.66E-11	4.96E-10	5.92E-11	6.42E-10	7.87E-11	2.60E-10	1.79E-11	3.56E-10
4867	469478.55	3818073.9	9.25E-10	3.88E-09	3.50E-10	5.16E-09	7.70E-10	2.85E-09	2.51E-10	3.88E-09	8.73E-11	5.00E-10	5.97E-11	6.47E-10	7.94E-11	2.62E-10	1.80E-11	3.59E-10
4868	469487.46	3818070.37	9.32E-10	3.91E-09	3.52E-10	5.20E-09	7.76E-10	2.88E-09	2.53E-10	3.90E-09	8.80E-11	5.04E-10	6.01E-11	6.52E-10	8.00E-11	2.64E-10	1.82E-11	3.62E-10
4869	469496.37	3818066.84	9.39E-10	3.94E-09	3.55E-10	5.24E-09	7.82E-10	2.90E-09	2.55E-10	3.93E-09	8.86E-11	5.07E-10	6.05E-11	6.57E-10	8.06E-11	2.66E-10	1.83E-11	3.65E-10
4870	469505.28	3818063.31	9.45E-10	3.97E-09	3.58E-10	5.27E-09	7.88E-10	2.92E-09	2.57E-10	3.96E-09	8.93E-11	5.11E-10	6.10E-11	6.61E-10	8.12E-11	2.68E-10	1.84E-11	3.67E-10
4871	469514.19	3818059.78	9.52E-10	4.00E-09	3.60E-10	5.31E-09	7.93E-10	2.94E-09	2.59E-10	3.99E-09	8.99E-11	5.15E-10	6.14E-11	6.66E-10	8.18E-11	2.70E-10	1.86E-11	3.70E-10
4872	469523.1	3818056.25	9.59E-10	4.03E-09	3.63E-10	5.35E-09	7.99E-10	2.96E-09	2.60E-10	4.02E-09	9.06E-11	5.19E-10	6.19E-11	6.71E-10	8.23E-11	2.72E-10	1.87E-11	3.73E-10
4873	469532.01	3818052.72	9.67E-10	4.06E-09	3.66E-10	5.39E-09	8.05E-10	2.98E-09	2.62E-10	4.05E-09	9.13E-11	5.23E-10	6.24E-11	6.76E-10	8.30E-11	2.74E-10	1.89E-11	3.75E-10
4874	469540.92	3818049.19	9.74E-10	4.09E-09	3.68E-10	5.43E-09	8.12E-10	3.01E-09	2.64E-10	4.08E-09	9.20E-11	5.27E-10	6.28E-11	6.82E-10	8.36E-11	2.76E-10	1.90E-11	3.78E-10
4875	469549.83	3818045.67	9.82E-10	4.13E-09	3.72E-10	5.48E-09	8.18E-10	3.03E-09	2.67E-10	4.12E-09	9.28E-11	5.31E-10	6.34E-11	6.87E-10	8.43E-11	2.78E-10	1.92E-11	3.82E-10
4876	469558.74	3818042.14	9.91E-10	4.16E-09	3.75E-10	5.53E-09	8.25E-10	3.06E-09	2.69E-10	4.15E-09	9.36E-11	5.36E-10	6.39E-11	6.93E-10	8.51E-11	2.80E-10	1.93E-11	3.85E-10
4877	469567.65	3818038.61	9.98E-10	4.19E-09	3.78E-10	5.57E-09	8.32E-10	3.08E-09	2.71E-10	4.18E-09	9.43E-11	5.40E-10	6.44E-11	6.98E-10	8.57E-11	2.83E-10	1.95E-11	3.88E-10
4878	469576.56	3818035.08	1.01E-09	4.22E-09	3.80E-10	5.61E-09	8.38E-10	3.10E-09	2.73E-10	4.21E-09	9.50E-11	5.44E-10	6.49E-11	7.04E-10	8.63E-11	2.85E-10	1.96E-11	3.91E-10
4879	469585.47	3818031.55	1.01E-09	4.25E-09	3.83E-10	5.65E-09	8.44E-10	3.12E-09	2.75E-10	4.24E-09	9.56E-11	5.47E-10	6.53E-11	7.08E-10	8.69E-11	2.87E-10	1.98E-11	3.93E-10
4880	469594.38	3818028.02	1.02E-09	4.28E-09	3.85E-10	5.68E-09	8.49E-10	3.14E-09	2.77E-10	4.27E-09	9.62E-11	5.51E-10	6.57E-11	7.13E-10	8.75E-11	2.88E-10	1.99E-11	3.96E-10
4881	469603.29	3818024.49	1.03E-09	4.31E-09	3.88E-10	5.72E-09	8.54E-10	3.17E-09	2.78E-10	4.30E-09	9.69E-11	5.55E-10	6.62E-11	7.18E-10	8.81E-11	2.90E-10	2.00E-11	3.98E-10
4882	469612.2	3818020.96	1.03E-09	4.33E-09	3.90E-10	5.76E-09	8.60E-10	3.18E-09	2.80E-10	4.32E-09	9.74E-11	5.58E-10	6.66E-11	7.22E-10	8.86E-11	2.92E-10	2.01E-11	4.01E-10
4883	469621.11	3818017.43	1.04E-09	4.36E-09	3.93E-10	5.79E-09	8.65E-10	3.20E-09	2.82E-10	4.35E-09	9.80E-11	5.61E-10	6.70E-11	7.26E-10	8.91E-11	2.94E-10	2.03E-11	4.03E-10
4884	469630.02	3818013.9	1.04E-09	4.38E-09	3.95E-10	5.82E-09	8.69E-10	3.22E-09	2.83E-10	4.37E-09	9.85E-11	5.64E-10	6.73E-11	7.30E-10	8.96E-11	2.95E-10	2.04E-11	4.05E-10
4885	469638.93	3818010.38	1.05E-09	4.41E-09	3.97E-10	5.85E-09	8.74E-10	3.24E-09	2.85E-10	4.40E-09	9.91E-11	5.67E-10	6.77E-11	7.34E-10	9.01E-11	2.97E-10	2.05E-11	4.07E-10
4886	469647.84	3818006.85	1.05E-09	4.43E-09	3.99E-10	5.88E-09	8.78E-10	3.25E-09	2.86E-10	4.42E-09	9.96E-11	5.70E-10	6.80E-11	7.38E-10	9.05E-11	2.99E-10	2.06E-11	4.10E-10
4887	469656.75	3818003.32	1.06E-09	4.45E-09	4.01E-10	5.91E-09	8.82E-10	3.27E-09	2.88E-10	4.44E-09	1.00E-10	5.73E-10	6.83E-11	7.41E-10	9.09E-11	3.00E-10	2.07E-11	4.11E-10
4888	469665.66	3817999.79	1.06E-09	4.47E-09	4.02E-10	5.94E-09	8.86E-10	3.28E-09	2.89E-10	4.46E-09	1.00E-10	5.75E-10	6.86E-11	7.44E-10	9.13E-11	3.01E-10	2.08E-11	4.13E-10
4889	469674.58	3817996.26	1.07E-09	4.49E-09	4.04E-10	5.96E-09	8.90E-10	3.30E-09	2.90E-10	4.48E-09	1.01E-10	5.78E-10	6.89E-11	7.47E-10	9.17E-11	3.02E-10	2.08E-11	4.15E-10
4890	469710.22	3817982.14	1.08E-09	4.54E-09	4.09E-10	6.03E-09	9.00E-10	3.33E-09	2.93E-10	4.53E-09	1.02E-10	5.84E-10	6.97E-11	7.56E-10	9.28E-11	3.06E-10	2.11E-11	4.20E-10
4891	469719.13	3817978.61	1.08E-09	4.55E-09	4.09E-10	6.04E-09	9.02E-10	3.34E-09	2.94E-10	4.54E-09	1.02E-10	5.85E-10	6.98E-11	7.57E-10	9.29E-11	3.06E-10	2.11E-11	4.21E-10
4892	469728.04	3817975.09	1.08E-09	4.56E-09	4.10E-10	6.05E-09	9.03E-10	3.35E-09	2.94E-10	4.55E-09	1.02E-10	5.86E-10	7.00E-11	7.59E-10	9.31E-11	3.07E-10	2.12E-11	4.21E-10

4893	469736.95	3817971.56	1.09E-09	4.56E-09	4.11E-10	6.06E-09	9.05E-10	3.35E-09	2.95E-10	4.55E-09	1.03E-10	5.88E-10	7.01E-11	7.60E-10	9.33E-11	3.08E-10	2.12E-11	4.22E-10
4894	469745.86	3817968.03	1.09E-09	4.57E-09	4.12E-10	6.07E-09	9.06E-10	3.36E-09	2.95E-10	4.56E-09	1.03E-10	5.88E-10	7.02E-11	7.61E-10	9.34E-11	3.08E-10	2.12E-11	4.23E-10
4895	469754.77	3817964.5	1.09E-09	4.58E-09	4.12E-10	6.08E-09	9.07E-10	3.36E-09	2.96E-10	4.57E-09	1.03E-10	5.89E-10	7.03E-11	7.62E-10	9.35E-11	3.08E-10	2.13E-11	4.23E-10
4896	469763.68	3817960.97	1.09E-09	4.58E-09	4.13E-10	6.08E-09	9.09E-10	3.37E-09	2.96E-10	4.57E-09	1.03E-10	5.90E-10	7.04E-11	7.63E-10	9.37E-11	3.09E-10	2.13E-11	4.24E-10
4897	469772.59	3817957.44	1.09E-09	4.58E-09	4.13E-10	6.09E-09	9.09E-10	3.37E-09	2.96E-10	4.57E-09	1.03E-10	5.90E-10	7.04E-11	7.64E-10	9.37E-11	3.09E-10	2.13E-11	4.24E-10
4898	469781.5	3817953.91	1.09E-09	4.59E-09	4.13E-10	6.10E-09	9.10E-10	3.37E-09	2.97E-10	4.58E-09	1.03E-10	5.91E-10	7.05E-11	7.65E-10	9.38E-11	3.09E-10	2.13E-11	4.25E-10
4899	469790.41	3817950.38	1.09E-09	4.60E-09	4.14E-10	6.10E-09	9.11E-10	3.38E-09	2.97E-10	4.59E-09	1.03E-10	5.92E-10	7.06E-11	7.66E-10	9.39E-11	3.10E-10	2.14E-11	4.25E-10
4900	469799.32	3817946.85	1.10E-09	4.60E-09	4.14E-10	6.11E-09	9.12E-10	3.38E-09	2.97E-10	4.59E-09	1.03E-10	5.92E-10	7.06E-11	7.66E-10	9.40E-11	3.10E-10	2.14E-11	4.25E-10
4901	469808.23	3817943.33	1.10E-09	4.61E-09	4.15E-10	6.12E-09	9.14E-10	3.39E-09	2.98E-10	4.60E-09	1.04E-10	5.93E-10	7.08E-11	7.67E-10	9.42E-11	3.11E-10	2.14E-11	4.26E-10
4902	469817.14	3817939.8	1.10E-09	4.61E-09	4.15E-10	6.13E-09	9.15E-10	3.39E-09	2.98E-10	4.60E-09	1.04E-10	5.94E-10	7.09E-11	7.68E-10	9.43E-11	3.11E-10	2.14E-11	4.27E-10
4903	469826.05	3817936.27	1.10E-09	4.62E-09	4.16E-10	6.14E-09	9.17E-10	3.40E-09	2.99E-10	4.61E-09	1.04E-10	5.95E-10	7.10E-11	7.70E-10	9.45E-11	3.12E-10	2.15E-11	4.28E-10
4904	469834.96	3817932.74	1.10E-09	4.64E-09	4.18E-10	6.16E-09	9.19E-10	3.41E-09	3.00E-10	4.63E-09	1.04E-10	5.97E-10	7.12E-11	7.72E-10	9.48E-11	3.12E-10	2.15E-11	4.29E-10
4905	469843.87	3817929.21	1.11E-09	4.65E-09	4.19E-10	6.17E-09	9.22E-10	3.42E-09	3.00E-10	4.64E-09	1.05E-10	5.98E-10	7.14E-11	7.74E-10	9.50E-11	3.13E-10	2.16E-11	4.30E-10
4906	469852.78	3817925.68	1.11E-09	4.66E-09	4.20E-10	6.19E-09	9.24E-10	3.42E-09	3.01E-10	4.65E-09	1.05E-10	6.00E-10	7.16E-11	7.76E-10	9.52E-11	3.14E-10	2.16E-11	4.31E-10
4907	469861.69	3817922.15	1.11E-09	4.67E-09	4.21E-10	6.21E-09	9.27E-10	3.43E-09	3.02E-10	4.66E-09	1.05E-10	6.02E-10	7.18E-11	7.78E-10	9.55E-11	3.15E-10	2.17E-11	4.32E-10
4908	469870.6	3817918.62	1.12E-09	4.69E-09	4.23E-10	6.23E-09	9.31E-10	3.45E-09	3.03E-10	4.68E-09	1.06E-10	6.04E-10	7.21E-11	7.82E-10	9.60E-11	3.16E-10	2.18E-11	4.34E-10
4909	469879.51	3817915.09	1.12E-09	4.72E-09	4.25E-10	6.26E-09	9.35E-10	3.47E-09	3.05E-10	4.71E-09	1.06E-10	6.07E-10	7.24E-11	7.86E-10	9.64E-11	3.18E-10	2.19E-11	4.36E-10
4910	469888.42	3817911.56	1.13E-09	4.74E-09	4.27E-10	6.29E-09	9.39E-10	3.48E-09	3.06E-10	4.73E-09	1.07E-10	6.10E-10	7.28E-11	7.89E-10	9.68E-11	3.19E-10	2.20E-11	4.38E-10
4911	469897.33	3817908.04	1.13E-09	4.76E-09	4.29E-10	6.32E-09	9.44E-10	3.50E-09	3.08E-10	4.75E-09	1.07E-10	6.13E-10	7.31E-11	7.93E-10	9.73E-11	3.21E-10	2.21E-11	4.40E-10
4912	469906.24	3817904.51	1.14E-09	4.79E-09	4.32E-10	6.36E-09	9.50E-10	3.52E-09	3.10E-10	4.78E-09	1.08E-10	6.17E-10	7.36E-11	7.98E-10	9.80E-11	3.23E-10	2.23E-11	4.43E-10
4913	469915.15	3817900.98	1.15E-09	4.83E-09	4.35E-10	6.41E-09	9.57E-10	3.55E-09	3.12E-10	4.82E-09	1.09E-10	6.21E-10	7.41E-11	8.04E-10	9.87E-11	3.25E-10	2.24E-11	4.46E-10
4914	469924.06	3817897.45	1.16E-09	4.86E-09	4.38E-10	6.46E-09	9.65E-10	3.57E-09	3.14E-10	4.85E-09	1.09E-10	6.26E-10	7.47E-11	8.10E-10	9.94E-11	3.28E-10	2.26E-11	4.50E-10
4915	469977.52	3817876.27	1.21E-09	5.08E-09	4.57E-10	6.74E-09	1.01E-09	3.73E-09	3.28E-10	5.07E-09	1.14E-10	6.54E-10	7.80E-11	8.46E-10	1.04E-10	3.42E-10	2.36E-11	4.70E-10
4916	469986.43	3817872.75	1.22E-09	5.12E-09	4.61E-10	6.80E-09	1.02E-09	3.76E-09	3.31E-10	5.11E-09	1.15E-10	6.59E-10	7.86E-11	8.53E-10	1.05E-10	3.45E-10	2.38E-11	4.74E-10
4917	469995.34	3817869.22	1.23E-09	5.16E-09	4.65E-10	6.86E-09	1.02E-09	3.79E-09	3.34E-10	5.15E-09	1.16E-10	6.65E-10	7.93E-11	8.60E-10	1.06E-10	3.48E-10	2.40E-11	4.78E-10
4918	470004.25	3817865.69	1.24E-09	5.20E-09	4.69E-10	6.91E-09	1.03E-09	3.82E-09	3.36E-10	5.19E-09	1.17E-10	6.70E-10	7.99E-11	8.67E-10	1.06E-10	3.51E-10	2.42E-11	4.81E-10
4919	470013.16	3817862.16	1.25E-09	5.24E-09	4.72E-10	6.96E-09	1.04E-09	3.85E-09	3.39E-10	5.23E-09	1.18E-10	6.75E-10	8.05E-11	8.74E-10	1.07E-10	3.53E-10	2.44E-11	4.85E-10
4920	470022.07	3817858.63	1.26E-09	5.28E-09	4.75E-10	7.01E-09	1.05E-09	3.88E-09	3.41E-10	5.27E-09	1.19E-10	6.79E-10	8.11E-11	8.79E-10	1.08E-10	3.56E-10	2.45E-11	4.88E-10
4921	470048.8	3817848.04	1.28E-09	5.36E-09	4.83E-10	7.12E-09	1.06E-09	3.94E-09	3.47E-10	5.35E-09	1.21E-10	6.90E-10	8.24E-11	8.93E-10	1.10E-10	3.61E-10	2.49E-11	4.96E-10
4922	470057.71	3817844.51	1.28E-09	5.38E-09	4.84E-10	7.14E-09	1.07E-09	3.95E-09	3.48E-10	5.37E-09	1.21E-10	6.92E-10	8.26E-11	8.96E-10	1.10E-10	3.63E-10	2.50E-11	4.98E-10
4923	470066.62	3817840.98	1.28E-09	5.39E-09	4.86E-10	7.16E-09	1.07E-09	3.96E-09	3.49E-10	5.38E-09	1.21E-10	6.94E-10	8.28E-11	8.98E-10	1.10E-10	3.64E-10	2.51E-11	4.99E-10
4924	470075.53	3817837.46	1.29E-09	5.40E-09	4.86E-10	7.17E-09	1.07E-09	3.97E-09	3.49E-10	5.39E-09	1.21E-10	6.95E-10	8.29E-11	8.99E-10	1.10E-10	3.64E-10	2.51E-11	4.99E-10
4925	470084.44	3817833.93	1.29E-09	5.40E-09	4.86E-10	7.17E-09	1.07E-09	3.97E-09	3.49E-10	5.39E-09	1.21E-10	6.95E-10	8.29E-11	8.99E-10	1.10E-10	3.64E-10	2.51E-11	4.99E-10
4926	470093.35	3817830.4	1.29E-09	5.40E-09	4.86E-10	7.17E-09	1.07E-09	3.97E-09	3.49E-10	5.39E-09	1.21E-10	6.95E-10	8.29E-11	8.99E-10	1.10E-10	3.64E-10	2.51E-11	4.99E-10
4927	470102.27	3817826.87	1.28E-09	5.39E-09	4.85E-10	7.16E-09	1.07E-09	3.96E-09	3.48E-10	5.38E-09	1.21E-10	6.94E-10	8.28E-11	8.98E-10	1.10E-10	3.63E-10	2.50E-11	4.99E-10
4928	468688.85	3819227.01	3.54E-10	1.49E-09	1.34E-10	1.97E-09	2.95E-10	1.09E-09	9.61E-11	1.48E-09	3.34E-11	1.91E-10	2.28E-11	2.48E-10	3.04E-11	1.00E-10	6.91E-12	1.38E-10
4929	468688.66	3819236.66	3.60E-10	1.51E-09	1.36E-10	2.01E-09	3.00E-10	1.11E-09	9.78E-11	1.51E-09	3.40E-11	1.95E-10	2.32E-11	2.52E-10	3.09E-11	1.02E-10	7.03E-12	1.40E-10
4930	468688.46	3819246.31	3.66E-10	1.54E-09	1.39E-10	2.04E-09	3.05E-10	1.13E-09	9.95E-11	1.54E-09	3.46E-11	1.98E-10	2.36E-11	2.56E-10	3.15E-11	1.04E-10	7.15E-12	1.42E-10
4931	468688.27	3819255.95	3.73E-10	1.56E-09	1.41E-10	2.08E-09	3.10E-10	1.15E-09	1.01E-10	1.56E-09	3.52E-11	2.01E-10	2.40E-11	2.61E-10	3.20E-11	1.05E-10	7.27E-12	1.45E-10
4932	468688.08	3819265.6	3.79E-10	1.59E-09	1.43E-10	2.12E-09	3.16E-10	1.17E-09	1.03E-10	1.59E-09	3.58E-11	2.05E-10	2.45E-11	2.65E-10	3.26E-11	1.07E-10	7.40E-12	1.47E-10
4933	468687.88	3819275.25	3.86E-10	1.62E-09	1.46E-10	2.15E-09	3.21E-10	1.19E-09	1.05E-10	1.62E-09	3.64E-11	2.08E-10	2.49E-11	2.70E-10	3.31E-11	1.09E-10	7.52E-12	1.50E-10
4934	468687.69	3819284.9	3.92E-10	1.65E-09	1.48E-10	2.19E-09	3.26E-10	1.21E-09	1.06E-10	1.64E-09	3.70E-11	2.12E-10	2.53E-11	2.74E-10	3.36E-11	1.11E-10	7.64E-12	1.52E-10
4935	468687.5	3819294.55	3.97E-10	1.67E-09	1.50E-10	2.22E-09	3.31E-10	1.23E-09	1.08E-10	1.66E-09	3.75E-11	2.15E-10	2.56E-11	2.78E-10	3.41E-11	1.12E-10	7.75E-12	1.54E-10
4936	468687.3	3819304.2	4.03E-10	1.69E-09	1.52E-10	2.25E-09	3.35E-10	1.24E-09	1.09E-10	1.69E-09	3.80E-11	2.18E-10	2.60E-11	2.82E-10	3.46E-11	1.14E-10	7.86E-12	1.56E-10
4937	468687.11	3819313.84	4.08E-10	1.71E-09	1.54E-10	2.27E-09	3.39E-10	1.26E-09	1.11E-10	1.71E-09	3.85E-11	2.20E-10	2.63E-11	2.85E-10	3.50E-11	1.15E-10	7.95E-12	1.58E-10
4938	468686.92	3819323.49	4.12E-10	1.73E-09	1.56E-10	2.30E-09	3.43E-10	1.27E-09	1.12E-10	1.73E-09	3.89E-11	2.23E-10	2.66E-11	2.88E-10	3.54E-11	1.17E-10	8.05E-12	1.60E-10
4939	468686.72	3819333.14	4.17E-10	1.75E-09	1.58E-10	2.33E-09	3.47E-10	1.29E-09	1.13E-10	1.75E-09	3.94E-11	2.26E-10	2.69E-11	2.92E-10	3.58E-11	1.18E-10	8.14E-12	1.62E-10
4940	468686.53	3819342.79	4.21E-10	1.77E-09	1.59E-10	2.35E-09	3.51E-10	1.30E-09	1.14E-10	1.77E-09	3.98E-11	2.28E-10	2.72E-11	2.95E-10	3.62E-11	1.19E-10	8.22E-12	1.64E-10
4941	468686.34	3819352.44	4.25E-10	1.78E-09	1.61E-10	2.37E-09	3.54E-10	1.31E-09	1.15E-10	1.78E-09	4.01E-11	2.30E-10	2.74E-11	2.97E-10	3.65E-11	1.20E-10	8.29E-12	1.65E-10
4942	468686.14	3819362.08	4.28E-10	1.80E-09	1.62E-10	2.39E-09	3.57E-10	1.32E-09	1.16E-10	1.79E-09	4.04E-11	2.31E-10	2.76E-11	2.99E-10	3.68E-11	1.21E-10	8.35E-12	1.66E-10
4943	468685.95	3819371.73	4.31E-10	1.81E-09	1.63E-10	2.40E-09	3.59E-10	1.33E-09	1.17E-10	1.81E-09	4.07E-11	2.33E-10	2.78E-11	3.01E-10	3.70E-11	1.22E-10	8.41E-12	1.67E-10

4944	468685.76	3819381.38	4.34E-10	1.82E-09	1.64E-10	2.42E-09	3.61E-10	1.34E-09	1.18E-10	1.82E-09	4.09E-11	2.34E-10	2.80E-11	3.03E-10	3.72E-11	1.23E-10	8.46E-12	1.68E-10
4945	468685.56	3819391.03	4.36E-10	1.83E-09	1.65E-10	2.43E-09	3.63E-10	1.34E-09	1.18E-10	1.83E-09	4.11E-11	2.36E-10	2.81E-11	3.05E-10	3.74E-11	1.23E-10	8.50E-12	1.69E-10
4946	468685.37	3819400.68	4.38E-10	1.84E-09	1.66E-10	2.44E-09	3.65E-10	1.35E-09	1.19E-10	1.83E-09	4.13E-11	2.37E-10	2.82E-11	3.06E-10	3.76E-11	1.24E-10	8.54E-12	1.70E-10
4947	468685.18	3819410.33	4.40E-10	1.85E-09	1.66E-10	2.45E-09	3.66E-10	1.36E-09	1.19E-10	1.84E-09	4.15E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.24E-10	8.58E-12	1.71E-10
4948	468684.98	3819419.97	4.41E-10	1.85E-09	1.67E-10	2.46E-09	3.67E-10	1.36E-09	1.20E-10	1.85E-09	4.17E-11	2.38E-10	2.85E-11	3.09E-10	3.79E-11	1.25E-10	8.61E-12	1.71E-10
4949	468616.94	3819188.49	3.02E-10	1.27E-09	1.14E-10	1.68E-09	2.51E-10	9.32E-10	8.20E-11	1.26E-09	2.85E-11	1.63E-10	1.95E-11	2.11E-10	2.59E-11	8.55E-11	5.89E-12	1.17E-10
4950	468620.78	3819179.68	2.98E-10	1.25E-09	1.13E-10	1.66E-09	2.49E-10	9.21E-10	8.10E-11	1.25E-09	2.82E-11	1.61E-10	1.93E-11	2.09E-10	2.56E-11	8.45E-11	5.82E-12	1.16E-10
4951	468624.62	3819170.87	2.96E-10	1.24E-09	1.12E-10	1.65E-09	2.46E-10	9.12E-10	8.03E-11	1.24E-09	2.79E-11	1.60E-10	1.91E-11	2.07E-10	2.54E-11	8.37E-11	5.77E-12	1.15E-10
4952	468628.46	3819162.05	2.92E-10	1.23E-09	1.11E-10	1.63E-09	2.43E-10	9.02E-10	7.93E-11	1.22E-09	2.76E-11	1.58E-10	1.89E-11	2.04E-10	2.51E-11	8.27E-11	5.70E-12	1.14E-10
4953	468632.31	3819153.24	2.89E-10	1.21E-09	1.09E-10	1.61E-09	2.41E-10	8.91E-10	7.84E-11	1.21E-09	2.73E-11	1.56E-10	1.86E-11	2.02E-10	2.48E-11	8.18E-11	5.64E-12	1.12E-10
4954	468636.15	3819144.43	2.86E-10	1.20E-09	1.08E-10	1.60E-09	2.38E-10	8.83E-10	7.77E-11	1.20E-09	2.70E-11	1.55E-10	1.85E-11	2.00E-10	2.46E-11	8.10E-11	5.58E-12	1.11E-10
4955	468639.99	3819135.62	2.83E-10	1.19E-09	1.07E-10	1.58E-09	2.36E-10	8.74E-10	7.69E-11	1.19E-09	2.68E-11	1.53E-10	1.83E-11	1.98E-10	2.43E-11	8.02E-11	5.53E-12	1.10E-10
4956	468643.84	3819126.81	2.81E-10	1.18E-09	1.06E-10	1.57E-09	2.34E-10	8.68E-10	7.64E-11	1.18E-09	2.66E-11	1.52E-10	1.81E-11	1.97E-10	2.41E-11	7.96E-11	5.49E-12	1.09E-10
4957	468647.68	3819118	2.79E-10	1.17E-09	1.06E-10	1.56E-09	2.33E-10	8.62E-10	7.58E-11	1.17E-09	2.64E-11	1.51E-10	1.80E-11	1.95E-10	2.40E-11	7.90E-11	5.45E-12	1.08E-10
4958	468651.52	3819109.18	2.78E-10	1.17E-09	1.05E-10	1.55E-09	2.31E-10	8.57E-10	7.54E-11	1.16E-09	2.62E-11	1.50E-10	1.79E-11	1.94E-10	2.39E-11	7.87E-11	5.42E-12	1.08E-10
4959	468655.36	3819100.37	2.76E-10	1.16E-09	1.04E-10	1.54E-09	2.30E-10	8.51E-10	7.49E-11	1.16E-09	2.60E-11	1.49E-10	1.78E-11	1.93E-10	2.37E-11	7.81E-11	5.38E-12	1.07E-10
4960	468659.21	3819091.56	2.75E-10	1.16E-09	1.04E-10	1.53E-09	2.29E-10	8.49E-10	7.47E-11	1.15E-09	2.60E-11	1.49E-10	1.77E-11	1.92E-10	2.36E-11	7.79E-11	5.37E-12	1.07E-10
4961	468663.05	3819082.75	2.74E-10	1.15E-09	1.04E-10	1.53E-09	2.28E-10	8.45E-10	7.43E-11	1.15E-09	2.59E-11	1.48E-10	1.77E-11	1.91E-10	2.35E-11	7.75E-11	5.34E-12	1.06E-10
4962	468666.89	3819073.94	2.73E-10	1.15E-09	1.03E-10	1.52E-09	2.27E-10	8.43E-10	7.41E-11	1.14E-09	2.58E-11	1.48E-10	1.76E-11	1.91E-10	2.34E-11	7.73E-11	5.33E-12	1.06E-10
4963	468670.74	3819065.13	2.72E-10	1.14E-09	1.03E-10	1.52E-09	2.27E-10	8.41E-10	7.39E-11	1.14E-09	2.57E-11	1.47E-10	1.76E-11	1.91E-10	2.34E-11	7.71E-11	5.31E-12	1.06E-10
4964	468674.58	3819056.31	2.72E-10	1.14E-09	1.03E-10	1.52E-09	2.27E-10	8.41E-10	7.39E-11	1.14E-09	2.57E-11	1.47E-10	1.76E-11	1.91E-10	2.34E-11	7.71E-11	5.31E-12	1.06E-10
4965	468678.42	3819047.5	2.72E-10	1.14E-09	1.03E-10	1.52E-09	2.26E-10	8.38E-10	7.38E-11	1.14E-09	2.57E-11	1.47E-10	1.75E-11	1.90E-10	2.33E-11	7.69E-11	5.30E-12	1.06E-10
4966	468682.26	3819038.69	2.72E-10	1.14E-09	1.03E-10	1.52E-09	2.26E-10	8.38E-10	7.38E-11	1.14E-09	2.57E-11	1.47E-10	1.75E-11	1.90E-10	2.33E-11	7.69E-11	5.30E-12	1.06E-10
4967	468686.11	3819029.88	2.71E-10	1.14E-09	1.02E-10	1.51E-09	2.26E-10	8.36E-10	7.36E-11	1.14E-09	2.56E-11	1.47E-10	1.75E-11	1.90E-10	2.33E-11	7.67E-11	5.29E-12	1.05E-10
4968	468689.95	3819021.07	2.71E-10	1.14E-09	1.02E-10	1.51E-09	2.26E-10	8.36E-10	7.36E-11	1.14E-09	2.56E-11	1.47E-10	1.75E-11	1.90E-10	2.33E-11	7.67E-11	5.29E-12	1.05E-10
4969	468693.79	3819012.26	2.71E-10	1.14E-09	1.02E-10	1.51E-09	2.26E-10	8.36E-10	7.36E-11	1.14E-09	2.56E-11	1.47E-10	1.75E-11	1.90E-10	2.33E-11	7.67E-11	5.29E-12	1.05E-10
4970	468697.64	3819003.45	2.72E-10	1.14E-09	1.03E-10	1.52E-09	2.26E-10	8.38E-10	7.38E-11	1.14E-09	2.57E-11	1.47E-10	1.75E-11	1.90E-10	2.33E-11	7.69E-11	5.30E-12	1.06E-10
4971	468701.48	3818994.63	2.72E-10	1.14E-09	1.03E-10	1.52E-09	2.27E-10	8.41E-10	7.39E-11	1.14E-09	2.57E-11	1.47E-10	1.76E-11	1.91E-10	2.34E-11	7.71E-11	5.31E-12	1.06E-10
4972	468705.32	3818985.82	2.73E-10	1.15E-09	1.03E-10	1.52E-09	2.27E-10	8.43E-10	7.41E-11	1.14E-09	2.58E-11	1.48E-10	1.76E-11	1.91E-10	2.34E-11	7.73E-11	5.33E-12	1.06E-10
4973	468709.16	3818977.01	2.74E-10	1.15E-09	1.04E-10	1.53E-09	2.28E-10	8.45E-10	7.43E-11	1.15E-09	2.59E-11	1.48E-10	1.77E-11	1.91E-10	2.35E-11	7.75E-11	5.34E-12	1.06E-10
4974	468713.01	3818968.2	2.74E-10	1.15E-09	1.04E-10	1.53E-09	2.29E-10	8.47E-10	7.45E-11	1.15E-09	2.59E-11	1.48E-10	1.77E-11	1.92E-10	2.36E-11	7.77E-11	5.36E-12	1.07E-10
4975	468716.85	3818959.39	2.76E-10	1.16E-09	1.04E-10	1.54E-09	2.30E-10	8.51E-10	7.49E-11	1.16E-09	2.60E-11	1.49E-10	1.78E-11	1.93E-10	2.37E-11	7.81E-11	5.38E-12	1.07E-10
4976	468720.69	3818950.58	2.77E-10	1.16E-09	1.05E-10	1.54E-09	2.30E-10	8.53E-10	7.51E-11	1.16E-09	2.61E-11	1.49E-10	1.78E-11	1.93E-10	2.37E-11	7.83E-11	5.40E-12	1.07E-10
4977	468724.54	3818941.76	2.77E-10	1.16E-09	1.05E-10	1.55E-09	2.31E-10	8.55E-10	7.52E-11	1.16E-09	2.62E-11	1.50E-10	1.79E-11	1.94E-10	2.38E-11	7.85E-11	5.41E-12	1.08E-10
4978	468728.38	3818932.95	2.79E-10	1.17E-09	1.05E-10	1.55E-09	2.32E-10	8.60E-10	7.56E-11	1.17E-09	2.63E-11	1.51E-10	1.80E-11	1.95E-10	2.39E-11	7.88E-11	5.44E-12	1.08E-10
4979	468732.22	3818924.14	2.79E-10	1.17E-09	1.06E-10	1.56E-09	2.33E-10	8.62E-10	7.58E-11	1.17E-09	2.64E-11	1.51E-10	1.80E-11	1.95E-10	2.40E-11	7.90E-11	5.45E-12	1.08E-10
4980	468736.06	3818915.33	2.81E-10	1.18E-09	1.06E-10	1.57E-09	2.34E-10	8.68E-10	7.64E-11	1.18E-09	2.66E-11	1.52E-10	1.81E-11	1.97E-10	2.41E-11	7.96E-11	5.49E-12	1.09E-10
4981	468966.63	3818386.63	5.55E-10	2.33E-09	2.10E-10	3.10E-09	4.62E-10	1.71E-09	1.51E-10	2.33E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.16E-10
4982	468970.48	3818377.82	5.55E-10	2.33E-09	2.10E-10	3.10E-09	4.62E-10	1.71E-09	1.51E-10	2.33E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.16E-10
4983	468974.32	3818369.01	5.55E-10	2.33E-09	2.10E-10	3.10E-09	4.62E-10	1.71E-09	1.51E-10	2.33E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.16E-10
4984	468978.16	3818360.2	5.55E-10	2.33E-09	2.10E-10	3.10E-09	4.62E-10	1.71E-09	1.51E-10	2.33E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.16E-10
4985	468982.01	3818351.39	5.54E-10	2.33E-09	2.10E-10	3.09E-09	4.62E-10	1.71E-09	1.50E-10	2.32E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.15E-10
4986	468985.85	3818342.57	5.54E-10	2.33E-09	2.10E-10	3.09E-09	4.62E-10	1.71E-09	1.50E-10	2.32E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.15E-10
4987	468989.69	3818333.76	5.54E-10	2.33E-09	2.10E-10	3.09E-09	4.62E-10	1.71E-09	1.50E-10	2.32E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.15E-10
4988	468993.53	3818324.95	5.54E-10	2.33E-09	2.09E-10	3.09E-09	4.61E-10	1.71E-09	1.50E-10	2.32E-09	5.23E-11	2.99E-10	3.57E-11	3.87E-10	4.75E-11	1.57E-10	1.08E-11	2.15E-10
4989	468997.38	3818316.14	5.53E-10	2.32E-09	2.09E-10	3.08E-09	4.61E-10	1.71E-09	1.50E-10	2.32E-09	5.22E-11	2.99E-10	3.57E-11	3.87E-10	4.75E-11	1.57E-10	1.08E-11	2.15E-10
4990	469001.22	3818307.33	5.53E-10	2.32E-09	2.09E-10	3.08E-09	4.61E-10	1.71E-09	1.50E-10	2.32E-09	5.22E-11	2.99E-10	3.57E-11	3.87E-10	4.75E-11	1.57E-10	1.08E-11	2.15E-10
4991	469005.06	3818298.52	5.53E-10	2.32E-09	2.09E-10	3.08E-09	4.61E-10	1.71E-09	1.50E-10	2.32E-09	5.22E-11	2.99E-10	3.57E-11	3.87E-10	4.75E-11	1.57E-10	1.08E-11	2.15E-10
4992	469008.9	3818289.71	5.53E-10	2.32E-09	2.09E-10	3.08E-09	4.61E-10	1.71E-09	1.50E-10	2.32E-09	5.22E-11	2.99E-10	3.57E-11	3.87E-10	4.75E-11	1.57E-10	1.08E-11	2.15E-10
4993	469012.75	3818280.89	5.54E-10	2.33E-09	2.09E-10	3.09E-09	4.61E-10	1.71E-09	1.50E-10	2.32E-09	5.23E-11	2.99E-10	3.57E-11	3.87E-10	4.75E-11	1.57E-10	1.08E-11	2.15E-10
4994	469016.59	3818272.08	5.54E-10	2.33E-09	2.10E-10	3.09E-09	4.62E-10	1.71E-09	1.50E-10	2.32E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.15E-10

4995	469020.43	3818263.27	5.54E-10	2.33E-09	2.10E-10	3.09E-09	4.62E-10	1.71E-09	1.50E-10	2.32E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.15E-10
4996	469024.28	3818254.46	5.54E-10	2.33E-09	2.10E-10	3.09E-09	4.62E-10	1.71E-09	1.50E-10	2.32E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.15E-10
4997	469028.12	3818245.65	5.55E-10	2.33E-09	2.10E-10	3.10E-09	4.62E-10	1.71E-09	1.51E-10	2.33E-09	5.24E-11	3.00E-10	3.58E-11	3.88E-10	4.76E-11	1.57E-10	1.08E-11	2.16E-10
4998	469031.96	3818236.84	5.56E-10	2.33E-09	2.10E-10	3.10E-09	4.63E-10	1.71E-09	1.51E-10	2.33E-09	5.25E-11	3.00E-10	3.58E-11	3.89E-10	4.77E-11	1.57E-10	1.08E-11	2.16E-10
4999	469035.8	3818228.02	5.58E-10	2.34E-09	2.11E-10	3.11E-09	4.65E-10	1.72E-09	1.51E-10	2.34E-09	5.27E-11	3.02E-10	3.60E-11	3.90E-10	4.79E-11	1.58E-10	1.09E-11	2.17E-10
5000	469039.65	3818219.21	5.60E-10	2.35E-09	2.12E-10	3.12E-09	4.66E-10	1.73E-09	1.52E-10	2.35E-09	5.29E-11	3.03E-10	3.61E-11	3.92E-10	4.81E-11	1.58E-10	1.09E-11	2.17E-10
5001	469043.49	3818210.4	5.62E-10	2.36E-09	2.13E-10	3.13E-09	4.68E-10	1.73E-09	1.53E-10	2.35E-09	5.31E-11	3.04E-10	3.62E-11	3.93E-10	4.82E-11	1.59E-10	1.10E-11	2.18E-10
5002	469047.33	3818201.59	5.64E-10	2.37E-09	2.13E-10	3.15E-09	4.70E-10	1.74E-09	1.53E-10	2.36E-09	5.33E-11	3.05E-10	3.64E-11	3.95E-10	4.84E-11	1.60E-10	1.10E-11	2.19E-10
5003	469051.18	3818192.78	5.67E-10	2.38E-09	2.14E-10	3.16E-09	4.72E-10	1.75E-09	1.54E-10	2.37E-09	5.35E-11	3.06E-10	3.66E-11	3.96E-10	4.87E-11	1.60E-10	1.11E-11	2.20E-10
5004	469055.02	3818183.97	5.70E-10	2.39E-09	2.16E-10	3.18E-09	4.75E-10	1.76E-09	1.55E-10	2.39E-09	5.38E-11	3.08E-10	3.68E-11	3.99E-10	4.89E-11	1.61E-10	1.11E-11	2.21E-10
5005	469058.86	3818175.15	5.73E-10	2.41E-09	2.17E-10	3.20E-09	4.77E-10	1.77E-09	1.56E-10	2.40E-09	5.41E-11	3.10E-10	3.70E-11	4.01E-10	4.92E-11	1.62E-10	1.12E-11	2.23E-10
5006	469062.7	3818166.34	5.76E-10	2.42E-09	2.18E-10	3.21E-09	4.80E-10	1.78E-09	1.56E-10	2.41E-09	5.44E-11	3.12E-10	3.72E-11	4.03E-10	4.95E-11	1.63E-10	1.12E-11	2.24E-10
5007	469075.48	3818153.99	5.89E-10	2.48E-09	2.23E-10	3.29E-09	4.91E-10	1.82E-09	1.60E-10	2.47E-09	5.57E-11	3.19E-10	3.80E-11	4.12E-10	5.06E-11	1.67E-10	1.15E-11	2.29E-10
5008	469084.42	3818150.45	5.99E-10	2.52E-09	2.27E-10	3.34E-09	4.99E-10	1.85E-09	1.63E-10	2.51E-09	5.66E-11	3.24E-10	3.86E-11	4.19E-10	5.14E-11	1.70E-10	1.17E-11	2.33E-10
5009	469093.36	3818146.91	6.09E-10	2.56E-09	2.30E-10	3.39E-09	5.07E-10	1.88E-09	1.65E-10	2.55E-09	5.75E-11	3.29E-10	3.93E-11	4.26E-10	5.22E-11	1.72E-10	1.19E-11	2.36E-10
5010	469102.3	3818143.37	6.18E-10	2.60E-09	2.34E-10	3.45E-09	5.15E-10	1.91E-09	1.68E-10	2.59E-09	5.84E-11	3.34E-10	3.99E-11	4.32E-10	5.31E-11	1.75E-10	1.21E-11	2.40E-10
5011	469111.24	3818139.83	6.28E-10	2.64E-09	2.37E-10	3.50E-09	5.23E-10	1.94E-09	1.70E-10	2.63E-09	5.93E-11	3.39E-10	4.05E-11	4.39E-10	5.39E-11	1.78E-10	1.22E-11	2.44E-10
5012	469120.17	3818136.29	6.38E-10	2.68E-09	2.41E-10	3.56E-09	5.31E-10	1.97E-09	1.73E-10	2.67E-09	6.03E-11	3.45E-10	4.12E-11	4.46E-10	5.48E-11	1.81E-10	1.25E-11	2.48E-10
5013	469129.11	3818132.75	6.48E-10	2.72E-09	2.45E-10	3.61E-09	5.39E-10	2.00E-09	1.76E-10	2.71E-09	6.12E-11	3.50E-10	4.18E-11	4.53E-10	5.56E-11	1.83E-10	1.26E-11	2.52E-10
5014	469138.05	3818129.21	6.57E-10	2.76E-09	2.48E-10	3.66E-09	5.47E-10	2.03E-09	1.78E-10	2.75E-09	6.20E-11	3.55E-10	4.24E-11	4.59E-10	5.64E-11	1.86E-10	1.28E-11	2.55E-10
5015	469146.99	3818125.67	6.66E-10	2.80E-09	2.52E-10	3.72E-09	5.55E-10	2.06E-09	1.81E-10	2.79E-09	6.29E-11	3.60E-10	4.30E-11	4.66E-10	5.72E-11	1.89E-10	1.30E-11	2.59E-10
5016	469155.92	3818122.13	6.75E-10	2.84E-09	2.55E-10	3.77E-09	5.62E-10	2.08E-09	1.83E-10	2.83E-09	6.38E-11	3.65E-10	4.35E-11	4.72E-10	5.80E-11	1.91E-10	1.32E-11	2.62E-10
5017	469164.86	3818118.59	6.84E-10	2.87E-09	2.59E-10	3.82E-09	5.70E-10	2.11E-09	1.86E-10	2.87E-09	6.46E-11	3.70E-10	4.41E-11	4.79E-10	5.87E-11	1.94E-10	1.33E-11	2.66E-10
5018	469173.8	3818115.05	6.92E-10	2.91E-09	2.62E-10	3.86E-09	5.77E-10	2.14E-09	1.88E-10	2.90E-09	6.54E-11	3.74E-10	4.47E-11	4.84E-10	5.94E-11	1.96E-10	1.35E-11	2.69E-10
5019	469182.74	3818111.51	7.00E-10	2.94E-09	2.65E-10	3.90E-09	5.83E-10	2.16E-09	1.90E-10	2.93E-09	6.61E-11	3.78E-10	4.51E-11	4.90E-10	6.01E-11	1.98E-10	1.37E-11	2.72E-10
5020	469191.67	3818107.97	7.07E-10	2.97E-09	2.68E-10	3.95E-09	5.89E-10	2.18E-09	1.92E-10	2.96E-09	6.68E-11	3.82E-10	4.56E-11	4.95E-10	6.07E-11	2.00E-10	1.38E-11	2.75E-10
5021	469200.61	3818104.43	7.14E-10	3.00E-09	2.70E-10	3.98E-09	5.95E-10	2.20E-09	1.94E-10	2.99E-09	6.74E-11	3.86E-10	4.61E-11	5.00E-10	6.13E-11	2.02E-10	1.39E-11	2.77E-10
5022	469209.55	3818100.89	7.20E-10	3.03E-09	2.72E-10	4.02E-09	6.00E-10	2.22E-09	1.96E-10	3.02E-09	6.80E-11	3.89E-10	4.65E-11	5.04E-10	6.18E-11	2.04E-10	1.41E-11	2.80E-10
5023	469218.49	3818097.35	7.27E-10	3.05E-09	2.75E-10	4.05E-09	6.05E-10	2.24E-09	1.97E-10	3.04E-09	6.86E-11	3.93E-10	4.69E-11	5.08E-10	6.24E-11	2.06E-10	1.42E-11	2.82E-10
5024	469227.42	3818093.81	7.32E-10	3.07E-09	2.77E-10	4.08E-09	6.10E-10	2.26E-09	1.99E-10	3.07E-09	6.91E-11	3.96E-10	4.72E-11	5.12E-10	6.28E-11	2.07E-10	1.43E-11	2.84E-10
5025	469236.36	3818090.27	7.37E-10	3.09E-09	2.79E-10	4.11E-09	6.14E-10	2.27E-09	2.00E-10	3.09E-09	6.96E-11	3.98E-10	4.75E-11	5.15E-10	6.33E-11	2.09E-10	1.44E-11	2.86E-10
5026	469245.3	3818086.73	7.42E-10	3.11E-09	2.80E-10	4.14E-09	6.18E-10	2.29E-09	2.01E-10	3.11E-09	7.00E-11	4.01E-10	4.78E-11	5.19E-10	6.37E-11	2.10E-10	1.45E-11	2.88E-10
5027	469254.24	3818083.19	7.46E-10	3.13E-09	2.82E-10	4.16E-09	6.22E-10	2.30E-09	2.03E-10	3.13E-09	7.05E-11	4.04E-10	4.81E-11	5.22E-10	6.41E-11	2.11E-10	1.46E-11	2.90E-10
5028	469263.18	3818079.65	7.51E-10	3.15E-09	2.84E-10	4.19E-09	6.25E-10	2.32E-09	2.04E-10	3.15E-09	7.09E-11	4.06E-10	4.84E-11	5.25E-10	6.44E-11	2.12E-10	1.46E-11	2.92E-10
5029	469272.11	3818076.11	7.55E-10	3.17E-09	2.85E-10	4.21E-09	6.29E-10	2.33E-09	2.05E-10	3.16E-09	7.13E-11	4.08E-10	4.87E-11	5.28E-10	6.48E-11	2.14E-10	1.47E-11	2.93E-10
5030	469281.05	3818072.57	7.57E-10	3.18E-09	2.86E-10	4.22E-09	6.31E-10	2.34E-09	2.06E-10	3.17E-09	7.15E-11	4.09E-10	4.89E-11	5.30E-10	6.50E-11	2.14E-10	1.48E-11	2.94E-10
5031	469289.99	3818069.04	7.61E-10	3.20E-09	2.88E-10	4.24E-09	6.34E-10	2.35E-09	2.07E-10	3.19E-09	7.19E-11	4.11E-10	4.91E-11	5.32E-10	6.53E-11	2.15E-10	1.48E-11	2.96E-10
5032	469298.93	3818065.5	7.64E-10	3.21E-09	2.89E-10	4.26E-09	6.37E-10	2.36E-09	2.07E-10	3.20E-09	7.22E-11	4.13E-10	4.93E-11	5.35E-10	6.56E-11	2.16E-10	1.49E-11	2.97E-10
5033	469307.86	3818061.96	7.67E-10	3.22E-09	2.90E-10	4.28E-09	6.39E-10	2.37E-09	2.08E-10	3.21E-09	7.24E-11	4.15E-10	4.95E-11	5.37E-10	6.58E-11	2.17E-10	1.50E-11	2.98E-10
5034	469316.8	3818058.42	7.70E-10	3.23E-09	2.91E-10	4.29E-09	6.41E-10	2.38E-09	2.09E-10	3.23E-09	7.27E-11	4.16E-10	4.97E-11	5.39E-10	6.61E-11	2.18E-10	1.50E-11	2.99E-10
5035	469325.74	3818054.88	7.72E-10	3.24E-09	2.92E-10	4.31E-09	6.43E-10	2.38E-09	2.10E-10	3.23E-09	7.29E-11	4.17E-10	4.98E-11	5.40E-10	6.63E-11	2.18E-10	1.51E-11	3.00E-10
5036	469334.68	3818051.34	7.75E-10	3.25E-09	2.93E-10	4.32E-09	6.45E-10	2.39E-09	2.10E-10	3.25E-09	7.31E-11	4.19E-10	5.00E-11	5.42E-10	6.65E-11	2.19E-10	1.51E-11	3.01E-10
5037	469343.61	3818047.8	7.77E-10	3.26E-09	2.94E-10	4.34E-09	6.47E-10	2.40E-09	2.11E-10	3.26E-09	7.34E-11	4.20E-10	5.01E-11	5.44E-10	6.67E-11	2.20E-10	1.52E-11	3.02E-10
5038	469352.55	3818044.26	7.81E-10	3.28E-09	2.95E-10	4.35E-09	6.50E-10	2.41E-09	2.12E-10	3.27E-09	7.37E-11	4.22E-10	5.04E-11	5.46E-10	6.70E-11	2.21E-10	1.52E-11	3.03E-10
5039	469361.49	3818040.72	7.84E-10	3.29E-09	2.97E-10	4.37E-09	6.53E-10	2.42E-09	2.13E-10	3.29E-09	7.41E-11	4.24E-10	5.06E-11	5.49E-10	6.73E-11	2.22E-10	1.53E-11	3.05E-10
5040	469370.43	3818037.18	7.88E-10	3.31E-09	2.98E-10	4.40E-09	6.57E-10	2.43E-09	2.14E-10	3.30E-09	7.44E-11	4.26E-10	5.08E-11	5.51E-10	6.77E-11	2.23E-10	1.54E-11	3.06E-10
5041	469379.36	3818033.64	7.93E-10	3.33E-09	3.00E-10	4.42E-09	6.61E-10	2.45E-09	2.15E-10	3.32E-09	7.49E-11	4.29E-10	5.12E-11	5.55E-10	6.81E-11	2.25E-10	1.55E-11	3.08E-10
5042	469388.3	3818030.1	7.99E-10	3.35E-09	3.02E-10	4.45E-09	6.65E-10	2.46E-09	2.17E-10	3.35E-09	7.54E-11	4.32E-10	5.15E-11	5.59E-10	6.86E-11	2.26E-10	1.56E-11	3.10E-10
5043	469397.24	3818026.56	8.03E-10	3.37E-09	3.04E-10	4.48E-09	6.69E-10	2.48E-09	2.18E-10	3.36E-09	7.58E-11	4.34E-10	5.18E-11	5.62E-10	6.89E-11	2.27E-10	1.57E-11	3.12E-10
5044	469406.18	3818023.02	8.07E-10	3.39E-09	3.05E-10	4.50E-09	6.72E-10	2.49E-09	2.19E-10	3.38E-09	7.62E-11	4.36E-10	5.20E-11	5.64E-10	6.93E-11	2.28E-10	1.57E-11	3.13E-10
5045	469415.11	3818019.48	8.12E-10	3.41E-09	3.07E-10	4.53E-09	6.76E-10	2.50E-09	2.20E-10	3.40E-09	7.66E-11	4.39E-10	5.24E-11	5.68E-10	6.97E-11	2.30E-10	1.58E-11	3.15E-10

5046	469424.05	3818015.94	8.17E-10	3.43E-09	3.09E-10	4.56E-09	6.81E-10	2.52E-09	2.22E-10	3.42E-09	7.72E-11	4.42E-10	5.27E-11	5.72E-10	7.01E-11	2.31E-10	1.59E-11	3.17E-10
5047	469432.99	3818012.4	8.23E-10	3.45E-09	3.11E-10	4.59E-09	6.85E-10	2.54E-09	2.23E-10	3.45E-09	7.77E-11	4.45E-10	5.31E-11	5.75E-10	7.06E-11	2.33E-10	1.61E-11	3.20E-10
5048	469441.93	3818008.86	8.28E-10	3.48E-09	3.13E-10	4.62E-09	6.90E-10	2.56E-09	2.25E-10	3.47E-09	7.82E-11	4.48E-10	5.34E-11	5.79E-10	7.11E-11	2.34E-10	1.62E-11	3.22E-10
5049	469450.87	3818005.32	8.34E-10	3.50E-09	3.15E-10	4.65E-09	6.94E-10	2.57E-09	2.26E-10	3.49E-09	7.87E-11	4.51E-10	5.38E-11	5.83E-10	7.16E-11	2.36E-10	1.63E-11	3.24E-10
5050	469459.8	3818001.78	8.40E-10	3.53E-09	3.18E-10	4.69E-09	7.00E-10	2.59E-09	2.28E-10	3.52E-09	7.94E-11	4.54E-10	5.42E-11	5.88E-10	7.22E-11	2.38E-10	1.64E-11	3.26E-10
5051	469468.74	3817998.24	8.48E-10	3.56E-09	3.21E-10	4.73E-09	7.06E-10	2.62E-09	2.30E-10	3.55E-09	8.01E-11	4.58E-10	5.47E-11	5.93E-10	7.28E-11	2.40E-10	1.65E-11	3.29E-10
5052	469477.68	3817994.7	8.55E-10	3.59E-09	3.23E-10	4.77E-09	7.12E-10	2.64E-09	2.32E-10	3.58E-09	8.07E-11	4.62E-10	5.51E-11	5.98E-10	7.34E-11	2.42E-10	1.67E-11	3.32E-10
5053	469486.62	3817991.16	8.61E-10	3.62E-09	3.26E-10	4.80E-09	7.17E-10	2.66E-09	2.34E-10	3.61E-09	8.13E-11	4.65E-10	5.55E-11	6.02E-10	7.39E-11	2.44E-10	1.68E-11	3.34E-10
5054	469495.55	3817987.62	8.67E-10	3.64E-09	3.28E-10	4.84E-09	7.22E-10	2.68E-09	2.35E-10	3.63E-09	8.19E-11	4.69E-10	5.59E-11	6.07E-10	7.44E-11	2.45E-10	1.69E-11	3.37E-10
5055	469504.49	3817984.08	8.73E-10	3.67E-09	3.30E-10	4.87E-09	7.27E-10	2.70E-09	2.37E-10	3.66E-09	8.25E-11	4.72E-10	5.63E-11	6.11E-10	7.50E-11	2.47E-10	1.70E-11	3.39E-10
5056	469513.43	3817980.54	8.80E-10	3.69E-09	3.33E-10	4.91E-09	7.33E-10	2.71E-09	2.39E-10	3.69E-09	8.31E-11	4.76E-10	5.67E-11	6.15E-10	7.55E-11	2.49E-10	1.72E-11	3.42E-10
5057	469522.37	3817977	8.86E-10	3.72E-09	3.35E-10	4.94E-09	7.38E-10	2.74E-09	2.41E-10	3.71E-09	8.37E-11	4.79E-10	5.72E-11	6.20E-10	7.61E-11	2.51E-10	1.73E-11	3.44E-10
5058	469531.3	3817973.46	8.93E-10	3.75E-09	3.38E-10	4.98E-09	7.44E-10	2.76E-09	2.42E-10	3.74E-09	8.44E-11	4.83E-10	5.76E-11	6.25E-10	7.67E-11	2.53E-10	1.74E-11	3.47E-10
5059	469540.24	3817969.92	9.00E-10	3.78E-09	3.40E-10	5.02E-09	7.50E-10	2.78E-09	2.44E-10	3.77E-09	8.50E-11	4.87E-10	5.81E-11	6.30E-10	7.73E-11	2.55E-10	1.76E-11	3.50E-10
5060	469549.18	3817966.38	9.06E-10	3.81E-09	3.43E-10	5.06E-09	7.55E-10	2.80E-09	2.46E-10	3.80E-09	8.56E-11	4.90E-10	5.85E-11	6.34E-10	7.78E-11	2.57E-10	1.77E-11	3.52E-10
5061	469558.12	3817962.84	9.13E-10	3.83E-09	3.45E-10	5.09E-09	7.60E-10	2.82E-09	2.48E-10	3.82E-09	8.62E-11	4.93E-10	5.89E-11	6.38E-10	7.83E-11	2.58E-10	1.78E-11	3.54E-10
5062	469567.05	3817959.3	9.18E-10	3.86E-09	3.47E-10	5.12E-09	7.65E-10	2.83E-09	2.49E-10	3.85E-09	8.67E-11	4.96E-10	5.92E-11	6.42E-10	7.88E-11	2.60E-10	1.79E-11	3.57E-10
5063	469575.99	3817955.76	9.24E-10	3.88E-09	3.50E-10	5.15E-09	7.70E-10	2.85E-09	2.51E-10	3.87E-09	8.73E-11	5.00E-10	5.96E-11	6.46E-10	7.93E-11	2.62E-10	1.80E-11	3.59E-10
5064	469584.93	3817952.22	9.30E-10	3.90E-09	3.52E-10	5.19E-09	7.74E-10	2.87E-09	2.52E-10	3.90E-09	8.78E-11	5.03E-10	6.00E-11	6.50E-10	7.98E-11	2.63E-10	1.81E-11	3.61E-10
5065	469593.87	3817948.68	9.35E-10	3.93E-09	3.54E-10	5.22E-09	7.79E-10	2.89E-09	2.54E-10	3.92E-09	8.83E-11	5.06E-10	6.03E-11	6.54E-10	8.03E-11	2.65E-10	1.82E-11	3.63E-10
5066	469602.8	3817945.14	9.40E-10	3.95E-09	3.55E-10	5.24E-09	7.83E-10	2.90E-09	2.55E-10	3.94E-09	8.88E-11	5.08E-10	6.06E-11	6.58E-10	8.07E-11	2.66E-10	1.83E-11	3.65E-10
5067	469611.74	3817941.6	9.45E-10	3.97E-09	3.57E-10	5.27E-09	7.87E-10	2.92E-09	2.56E-10	3.96E-09	8.92E-11	5.11E-10	6.09E-11	6.61E-10	8.11E-11	2.67E-10	1.84E-11	3.67E-10
5068	469620.68	3817938.06	9.50E-10	3.99E-09	3.59E-10	5.30E-09	7.91E-10	2.93E-09	2.58E-10	3.98E-09	8.97E-11	5.13E-10	6.12E-11	6.64E-10	8.15E-11	2.69E-10	1.85E-11	3.69E-10
5069	469629.62	3817934.52	9.54E-10	4.01E-09	3.61E-10	5.32E-09	7.94E-10	2.94E-09	2.59E-10	4.00E-09	9.01E-11	5.16E-10	6.15E-11	6.67E-10	8.19E-11	2.70E-10	1.86E-11	3.70E-10
5070	469638.56	3817930.98	9.58E-10	4.02E-09	3.62E-10	5.34E-09	7.98E-10	2.96E-09	2.60E-10	4.01E-09	9.04E-11	5.18E-10	6.18E-11	6.70E-10	8.22E-11	2.71E-10	1.87E-11	3.72E-10
5071	469647.49	3817927.44	9.62E-10	4.04E-09	3.64E-10	5.37E-09	8.01E-10	2.97E-09	2.61E-10	4.03E-09	9.08E-11	5.20E-10	6.20E-11	6.73E-10	8.26E-11	2.72E-10	1.88E-11	3.74E-10
5072	469656.43	3817923.9	9.65E-10	4.05E-09	3.65E-10	5.38E-09	8.04E-10	2.98E-09	2.62E-10	4.05E-09	9.12E-11	5.22E-10	6.23E-11	6.75E-10	8.29E-11	2.73E-10	1.88E-11	3.75E-10
5073	469665.37	3817920.36	9.68E-10	4.07E-09	3.66E-10	5.40E-09	8.06E-10	2.99E-09	2.63E-10	4.06E-09	9.14E-11	5.23E-10	6.24E-11	6.77E-10	8.31E-11	2.74E-10	1.89E-11	3.76E-10
5074	469674.31	3817916.82	9.70E-10	4.07E-09	3.67E-10	5.41E-09	8.08E-10	2.99E-09	2.63E-10	4.07E-09	9.16E-11	5.24E-10	6.26E-11	6.79E-10	8.33E-11	2.75E-10	1.89E-11	3.77E-10
5075	469683.24	3817913.28	9.72E-10	4.08E-09	3.68E-10	5.42E-09	8.10E-10	3.00E-09	2.64E-10	4.07E-09	9.18E-11	5.26E-10	6.27E-11	6.80E-10	8.35E-11	2.75E-10	1.90E-11	3.78E-10
5076	469710.06	3817902.66	9.76E-10	4.10E-09	3.69E-10	5.45E-09	8.13E-10	3.01E-09	2.65E-10	4.09E-09	9.22E-11	5.28E-10	6.30E-11	6.83E-10	8.38E-11	2.76E-10	1.91E-11	3.79E-10
5077	469754.74	3817884.96	9.79E-10	4.11E-09	3.70E-10	5.46E-09	8.16E-10	3.02E-09	2.66E-10	4.10E-09	9.25E-11	5.29E-10	6.32E-11	6.85E-10	8.40E-11	2.77E-10	1.91E-11	3.80E-10
5078	469763.68	3817881.42	9.79E-10	4.11E-09	3.70E-10	5.46E-09	8.16E-10	3.02E-09	2.66E-10	4.10E-09	9.25E-11	5.29E-10	6.32E-11	6.85E-10	8.40E-11	2.77E-10	1.91E-11	3.80E-10
5079	469772.62	3817877.88	9.80E-10	4.11E-09	3.71E-10	5.46E-09	8.16E-10	3.02E-09	2.66E-10	4.11E-09	9.25E-11	5.30E-10	6.32E-11	6.85E-10	8.41E-11	2.77E-10	1.91E-11	3.81E-10
5080	469781.56	3817874.34	9.80E-10	4.12E-09	3.71E-10	5.47E-09	8.17E-10	3.03E-09	2.66E-10	4.11E-09	9.26E-11	5.30E-10	6.32E-11	6.86E-10	8.42E-11	2.78E-10	1.91E-11	3.81E-10
5081	469790.5	3817870.8	9.81E-10	4.12E-09	3.71E-10	5.47E-09	8.17E-10	3.03E-09	2.66E-10	4.11E-09	9.26E-11	5.30E-10	6.33E-11	6.86E-10	8.42E-11	2.78E-10	1.91E-11	3.81E-10
5082	469799.43	3817867.26	9.82E-10	4.12E-09	3.71E-10	5.48E-09	8.18E-10	3.03E-09	2.67E-10	4.11E-09	9.27E-11	5.31E-10	6.33E-11	6.87E-10	8.43E-11	2.78E-10	1.92E-11	3.81E-10
5083	469808.37	3817863.72	9.83E-10	4.13E-09	3.72E-10	5.48E-09	8.19E-10	3.03E-09	2.67E-10	4.12E-09	9.28E-11	5.32E-10	6.34E-11	6.88E-10	8.44E-11	2.78E-10	1.92E-11	3.82E-10
5084	469817.31	3817860.18	9.85E-10	4.13E-09	3.72E-10	5.49E-09	8.20E-10	3.04E-09	2.67E-10	4.13E-09	9.30E-11	5.32E-10	6.35E-11	6.89E-10	8.45E-11	2.79E-10	1.92E-11	3.82E-10
5085	469826.25	3817856.64	9.87E-10	4.14E-09	3.73E-10	5.50E-09	8.22E-10	3.04E-09	2.68E-10	4.13E-09	9.32E-11	5.33E-10	6.36E-11	6.90E-10	8.47E-11	2.79E-10	1.93E-11	3.83E-10
5086	469835.18	3817853.1	9.89E-10	4.15E-09	3.74E-10	5.51E-09	8.24E-10	3.05E-09	2.68E-10	4.14E-09	9.34E-11	5.34E-10	6.38E-11	6.92E-10	8.49E-11	2.80E-10	1.93E-11	3.84E-10
5087	469844.12	3817849.56	9.91E-10	4.16E-09	3.75E-10	5.53E-09	8.26E-10	3.06E-09	2.69E-10	4.15E-09	9.36E-11	5.36E-10	6.39E-11	6.94E-10	8.51E-11	2.81E-10	1.93E-11	3.85E-10
5088	469853.06	3817846.02	9.93E-10	4.17E-09	3.76E-10	5.54E-09	8.28E-10	3.07E-09	2.70E-10	4.16E-09	9.38E-11	5.37E-10	6.41E-11	6.95E-10	8.53E-11	2.81E-10	1.94E-11	3.86E-10
5089	469862	3817842.48	9.96E-10	4.18E-09	3.77E-10	5.56E-09	8.30E-10	3.07E-09	2.70E-10	4.17E-09	9.41E-11	5.39E-10	6.43E-11	6.97E-10	8.55E-11	2.82E-10	1.94E-11	3.87E-10
5090	469870.93	3817838.95	1.00E-09	4.20E-09	3.78E-10	5.58E-09	8.33E-10	3.09E-09	2.72E-10	4.19E-09	9.45E-11	5.41E-10	6.45E-11	7.00E-10	8.59E-11	2.83E-10	1.95E-11	3.89E-10
5091	469879.87	3817835.41	1.01E-09	4.22E-09	3.80E-10	5.61E-09	8.38E-10	3.10E-09	2.73E-10	4.21E-09	9.50E-11	5.44E-10	6.49E-11	7.04E-10	8.63E-11	2.85E-10	1.96E-11	3.91E-10
5092	469888.81	3817831.87	1.01E-09	4.25E-09	3.83E-10	5.64E-09	8.43E-10	3.12E-09	2.75E-10	4.24E-09	9.56E-11	5.47E-10	6.53E-11	7.08E-10	8.69E-11	2.86E-10	1.97E-11	3.93E-10
5093	469897.75	3817828.33	1.02E-09	4.28E-09	3.85E-10	5.68E-09	8.48E-10	3.14E-09	2.76E-10	4.27E-09	9.62E-11	5.50E-10	6.57E-11	7.12E-10	8.74E-11	2.88E-10	1.99E-11	3.95E-10
5094	469906.68	3817824.79	1.02E-09	4.30E-09	3.87E-10	5.71E-09	8.53E-10	3.16E-09	2.78E-10	4.29E-09	9.67E-11	5.54E-10	6.61E-11	7.17E-10	8.79E-11	2.90E-10	2.00E-11	3.98E-10
5095	469915.62	3817821.25	1.03E-09	4.33E-09	3.90E-10	5.75E-09	8.58E-10	3.18E-09	2.80E-10	4.32E-09	9.73E-11	5.57E-10	6.65E-11	7.21E-10	8.85E-11	2.92E-10	2.01E-11	4.00E-10
5096	469924.56	3817817.71	1.04E-09	4.36E-09	3.93E-10	5.79E-09	8.65E-10	3.20E-09	2.82E-10	4.35E-09	9.80E-11	5.61E-10	6.70E-11	7.26E-10	8.91E-11	2.94E-10	2.03E-11	4.03E-10

5097	469933.5	3817814.17	1.05E-09	4.39E-09	3.96E-10	5.84E-09	8.72E-10	3.23E-09	2.84E-10	4.38E-09	9.88E-11	5.66E-10	6.75E-11	7.32E-10	8.98E-11	2.96E-10	2.04E-11	4.06E-10
5098	469942.43	3817810.63	1.06E-09	4.44E-09	4.00E-10	5.89E-09	8.80E-10	3.26E-09	2.87E-10	4.43E-09	9.98E-11	5.71E-10	6.82E-11	7.39E-10	9.07E-11	2.99E-10	2.06E-11	4.10E-10
5099	469951.37	3817807.09	1.07E-09	4.48E-09	4.03E-10	5.95E-09	8.89E-10	3.29E-09	2.90E-10	4.47E-09	1.01E-10	5.77E-10	6.88E-11	7.46E-10	9.16E-11	3.02E-10	2.08E-11	4.14E-10
5100	469960.31	3817803.55	1.08E-09	4.52E-09	4.07E-10	6.01E-09	8.97E-10	3.32E-09	2.92E-10	4.51E-09	1.02E-10	5.82E-10	6.95E-11	7.54E-10	9.25E-11	3.05E-10	2.10E-11	4.18E-10
5101	469969.25	3817800.01	1.09E-09	4.57E-09	4.12E-10	6.07E-09	9.06E-10	3.36E-09	2.95E-10	4.56E-09	1.03E-10	5.88E-10	7.02E-11	7.61E-10	9.34E-11	3.08E-10	2.12E-11	4.23E-10
5102	469978.19	3817796.47	1.10E-09	4.61E-09	4.15E-10	6.13E-09	9.15E-10	3.39E-09	2.98E-10	4.60E-09	1.04E-10	5.94E-10	7.09E-11	7.68E-10	9.43E-11	3.11E-10	2.14E-11	4.27E-10
5103	469987.12	3817792.93	1.11E-09	4.66E-09	4.20E-10	6.19E-09	9.24E-10	3.42E-09	3.01E-10	4.65E-09	1.05E-10	6.00E-10	7.16E-11	7.76E-10	9.52E-11	3.14E-10	2.16E-11	4.31E-10
5104	469996.06	3817789.39	1.12E-09	4.70E-09	4.23E-10	6.24E-09	9.31E-10	3.45E-09	3.04E-10	4.69E-09	1.06E-10	6.05E-10	7.21E-11	7.82E-10	9.60E-11	3.17E-10	2.18E-11	4.34E-10
5105	470022.87	3817778.77	1.14E-09	4.80E-09	4.33E-10	6.38E-09	9.53E-10	3.53E-09	3.10E-10	4.79E-09	1.08E-10	6.18E-10	7.38E-11	8.00E-10	9.82E-11	3.24E-10	2.23E-11	4.44E-10
5106	470031.81	3817775.23	1.15E-09	4.83E-09	4.35E-10	6.42E-09	9.59E-10	3.55E-09	3.13E-10	4.82E-09	1.09E-10	6.22E-10	7.43E-11	8.05E-10	9.88E-11	3.26E-10	2.25E-11	4.47E-10
5107	470040.75	3817771.69	1.16E-09	4.86E-09	4.38E-10	6.46E-09	9.65E-10	3.57E-09	3.14E-10	4.85E-09	1.09E-10	6.26E-10	7.47E-11	8.10E-10	9.94E-11	3.28E-10	2.26E-11	4.50E-10
5108	470049.69	3817768.15	1.16E-09	4.89E-09	4.40E-10	6.49E-09	9.69E-10	3.59E-09	3.16E-10	4.88E-09	1.10E-10	6.29E-10	7.51E-11	8.14E-10	9.99E-11	3.29E-10	2.27E-11	4.52E-10
5109	470058.62	3817764.61	1.17E-09	4.90E-09	4.42E-10	6.51E-09	9.73E-10	3.60E-09	3.17E-10	4.89E-09	1.10E-10	6.31E-10	7.53E-11	8.17E-10	1.00E-10	3.31E-10	2.28E-11	4.54E-10
5110	470067.56	3817761.07	1.17E-09	4.92E-09	4.43E-10	6.53E-09	9.75E-10	3.61E-09	3.18E-10	4.90E-09	1.11E-10	6.33E-10	7.55E-11	8.19E-10	1.00E-10	3.31E-10	2.28E-11	4.55E-10
5111	468608.86	3819225.41	3.20E-10	1.35E-09	1.21E-10	1.79E-09	2.67E-10	9.89E-10	8.70E-11	1.34E-09	3.03E-11	1.73E-10	2.07E-11	2.24E-10	2.75E-11	9.07E-11	6.25E-12	1.24E-10
5112	468608.67	3819235.06	3.27E-10	1.37E-09	1.24E-10	1.82E-09	2.72E-10	1.01E-09	8.87E-11	1.37E-09	3.08E-11	1.77E-10	2.11E-11	2.28E-10	2.80E-11	9.24E-11	6.37E-12	1.27E-10
5113	468608.48	3819244.7	3.33E-10	1.40E-09	1.26E-10	1.86E-09	2.77E-10	1.03E-09	9.03E-11	1.39E-09	3.14E-11	1.80E-10	2.15E-11	2.33E-10	2.86E-11	9.42E-11	6.49E-12	1.29E-10
5114	468608.28	3819254.35	3.38E-10	1.42E-09	1.28E-10	1.89E-09	2.82E-10	1.04E-09	9.18E-11	1.42E-09	3.19E-11	1.83E-10	2.18E-11	2.37E-10	2.90E-11	9.57E-11	6.60E-12	1.31E-10
5115	468608.09	3819264	3.44E-10	1.45E-09	1.30E-10	1.92E-09	2.87E-10	1.06E-09	9.35E-11	1.44E-09	3.25E-11	1.86E-10	2.22E-11	2.41E-10	2.96E-11	9.75E-11	6.72E-12	1.34E-10
5116	468607.9	3819273.65	3.50E-10	1.47E-09	1.32E-10	1.95E-09	2.91E-10	1.08E-09	9.50E-11	1.47E-09	3.30E-11	1.89E-10	2.26E-11	2.45E-10	3.00E-11	9.90E-11	6.83E-12	1.36E-10
5117	468607.71	3819283.3	3.55E-10	1.49E-09	1.34E-10	1.98E-09	2.96E-10	1.10E-09	9.65E-11	1.49E-09	3.36E-11	1.92E-10	2.29E-11	2.49E-10	3.05E-11	1.01E-10	6.93E-12	1.38E-10
5118	468607.51	3819292.95	3.60E-10	1.51E-09	1.36E-10	2.01E-09	3.00E-10	1.11E-09	9.78E-11	1.51E-09	3.40E-11	1.95E-10	2.32E-11	2.52E-10	3.09E-11	1.02E-10	7.03E-12	1.40E-10
5119	468607.32	3819302.59	3.65E-10	1.53E-09	1.38E-10	2.04E-09	3.04E-10	1.13E-09	9.91E-11	1.53E-09	3.45E-11	1.97E-10	2.35E-11	2.55E-10	3.13E-11	1.03E-10	7.12E-12	1.42E-10
5120	468607.13	3819312.24	3.70E-10	1.55E-09	1.40E-10	2.06E-09	3.08E-10	1.14E-09	1.00E-10	1.55E-09	3.49E-11	2.00E-10	2.39E-11	2.59E-10	3.17E-11	1.05E-10	7.22E-12	1.44E-10
5121	468606.93	3819321.89	3.74E-10	1.57E-09	1.41E-10	2.09E-09	3.11E-10	1.15E-09	1.02E-10	1.57E-09	3.53E-11	2.02E-10	2.41E-11	2.62E-10	3.21E-11	1.06E-10	7.30E-12	1.45E-10
5122	468606.74	3819331.54	3.78E-10	1.59E-09	1.43E-10	2.11E-09	3.15E-10	1.17E-09	1.03E-10	1.58E-09	3.57E-11	2.04E-10	2.44E-11	2.64E-10	3.25E-11	1.07E-10	7.38E-12	1.47E-10
5123	468606.55	3819341.19	3.82E-10	1.60E-09	1.45E-10	2.13E-09	3.18E-10	1.18E-09	1.04E-10	1.60E-09	3.61E-11	2.07E-10	2.46E-11	2.67E-10	3.28E-11	1.08E-10	7.46E-12	1.48E-10
5124	468606.35	3819350.83	3.86E-10	1.62E-09	1.46E-10	2.15E-09	3.21E-10	1.19E-09	1.05E-10	1.62E-09	3.64E-11	2.08E-10	2.49E-11	2.70E-10	3.31E-11	1.09E-10	7.52E-12	1.50E-10
5125	468606.16	3819360.48	3.89E-10	1.63E-09	1.47E-10	2.17E-09	3.24E-10	1.20E-09	1.06E-10	1.63E-09	3.67E-11	2.10E-10	2.51E-11	2.72E-10	3.34E-11	1.10E-10	7.59E-12	1.51E-10
5126	468605.97	3819370.13	3.92E-10	1.65E-09	1.48E-10	2.19E-09	3.26E-10	1.21E-09	1.06E-10	1.64E-09	3.70E-11	2.12E-10	2.53E-11	2.74E-10	3.36E-11	1.11E-10	7.64E-12	1.52E-10
5127	468605.77	3819379.78	3.94E-10	1.65E-09	1.49E-10	2.20E-09	3.28E-10	1.22E-09	1.07E-10	1.65E-09	3.72E-11	2.13E-10	2.54E-11	2.75E-10	3.38E-11	1.11E-10	7.68E-12	1.53E-10
5128	468605.58	3819389.43	3.96E-10	1.66E-09	1.50E-10	2.21E-09	3.30E-10	1.22E-09	1.07E-10	1.66E-09	3.74E-11	2.14E-10	2.55E-11	2.77E-10	3.40E-11	1.12E-10	7.72E-12	1.54E-10
5129	468605.39	3819399.08	3.98E-10	1.67E-09	1.51E-10	2.22E-09	3.31E-10	1.23E-09	1.08E-10	1.67E-09	3.76E-11	2.15E-10	2.57E-11	2.78E-10	3.42E-11	1.13E-10	7.77E-12	1.55E-10
5130	468605.19	3819408.72	3.99E-10	1.68E-09	1.51E-10	2.23E-09	3.33E-10	1.23E-09	1.08E-10	1.67E-09	3.77E-11	2.16E-10	2.58E-11	2.79E-10	3.43E-11	1.13E-10	7.79E-12	1.55E-10
5131	468605	3819418.37	4.00E-10	1.68E-09	1.51E-10	2.23E-09	3.33E-10	1.23E-09	1.09E-10	1.68E-09	3.78E-11	2.16E-10	2.58E-11	2.80E-10	3.43E-11	1.13E-10	7.80E-12	1.55E-10
5132	470093.02	3819664.65	7.90E-08	3.32E-07	2.99E-08	4.41E-07	6.58E-08	2.44E-07	2.15E-08	3.31E-07	7.46E-09	4.27E-08	5.10E-09	5.53E-08	6.79E-09	2.24E-08	1.54E-09	3.07E-08
5133	470084.4	3819660.93	7.86E-08	3.30E-07	2.97E-08	4.38E-07	6.55E-08	2.43E-07	2.13E-08	3.29E-07	7.42E-09	4.25E-08	5.07E-09	5.50E-08	6.75E-09	2.22E-08	1.53E-09	3.05E-08
5134	470075.78	3819657.2	7.79E-08	3.27E-07	2.95E-08	4.34E-07	6.49E-08	2.40E-07	2.11E-08	3.26E-07	7.36E-09	4.21E-08	5.02E-09	5.45E-08	6.69E-09	2.20E-08	1.52E-09	3.03E-08
5135	470067.17	3819653.47	7.70E-08	3.23E-07	2.91E-08	4.29E-07	6.41E-08	2.37E-07	2.09E-08	3.22E-07	7.27E-09	4.16E-08	4.96E-09	5.38E-08	6.61E-09	2.18E-08	1.50E-09	2.99E-08
5136	470101.64	3819668.38	7.92E-08	3.33E-07	3.00E-08	4.42E-07	6.60E-08	2.44E-07	2.15E-08	3.32E-07	7.48E-09	4.28E-08	5.11E-09	5.54E-08	6.80E-09	2.24E-08	1.55E-09	3.08E-08
5137	470111.33	3819668.51	8.08E-08	3.39E-07	3.06E-08	4.51E-07	6.73E-08	2.49E-07	2.19E-08	3.39E-07	7.63E-09	4.37E-08	5.21E-09	5.65E-08	6.94E-09	2.29E-08	1.58E-09	3.14E-08
5138	470121.03	3819668.65	8.22E-08	3.45E-07	3.11E-08	4.58E-07	6.84E-08	2.54E-07	2.23E-08	3.44E-07	7.76E-09	4.44E-08	5.30E-09	5.75E-08	7.05E-09	2.33E-08	1.60E-09	3.19E-08
5139	470130.73	3819668.78	8.32E-08	3.50E-07	3.15E-08	4.64E-07	6.93E-08	2.57E-07	2.26E-08	3.49E-07	7.86E-09	4.50E-08	5.37E-09	5.82E-08	7.15E-09	2.36E-08	1.62E-09	3.23E-08
5140	470140.43	3819668.92	8.40E-08	3.53E-07	3.18E-08	4.68E-07	7.00E-08	2.59E-07	2.28E-08	3.52E-07	7.93E-09	4.54E-08	5.42E-09	5.88E-08	7.21E-09	2.38E-08	1.64E-09	3.26E-08
5141	470150.12	3819669.05	8.44E-08	3.55E-07	3.19E-08	4.71E-07	7.03E-08	2.61E-07	2.29E-08	3.54E-07	7.97E-09	4.56E-08	5.45E-09	5.91E-08	7.25E-09	2.39E-08	1.65E-09	3.28E-08
5142	470159.82	3819669.19	8.45E-08	3.55E-07	3.20E-08	4.71E-07	7.04E-08	2.61E-07	2.29E-08	3.54E-07	7.98E-09	4.57E-08	5.45E-09	5.91E-08	7.26E-09	2.39E-08	1.65E-09	3.28E-08
5143	470169.52	3819669.32	8.43E-08	3.54E-07	3.19E-08	4.70E-07	7.02E-08	2.60E-07	2.29E-08	3.53E-07	7.96E-09	4.56E-08	5.44E-09	5.90E-08	7.24E-09	2.39E-08	1.65E-09	3.27E-08
5144	470179.22	3819669.46	8.38E-08	3.52E-07	3.17E-08	4.67E-07	6.98E-08	2.58E-07	2.27E-08	3.51E-07	7.91E-09	4.53E-08	5.40E-09	5.86E-08	7.19E-09	2.37E-08	1.63E-09	3.25E-08
5145	470188.91	3819669.59	8.29E-08	3.48E-07	3.14E-08	4.62E-07	6.91E-08	2.56E-07	2.25E-08	3.47E-07	7.83E-09	4.48E-08	5.35E-09	5.80E-08	7.12E-09	2.35E-08	1.62E-09	3.22E-08
5146	470198.61	3819669.73	8.17E-08	3.43E-07	3.09E-08	4.56E-07	6.81E-08	2.52E-07	2.22E-08	3.43E-07	7.72E-09	4.42E-08	5.27E-09	5.72E-08	7.02E-09	2.31E-08	1.60E-09	3.18E-08
5147	470208.31	3819669.86	8.03E-08	3.37E-07	3.04E-08	4.48E-07	6.69E-08	2.48E-07	2.18E-08	3.37E-07	7.59E-09	4.34E-08	5.18E-09	5.62E-08	6.90E-09	2.27E-08	1.57E-09	3.12E-08

5148	470218	3819670	7.87E-08	3.30E-07	2.97E-08	4.39E-07	6.55E-08	2.43E-07	2.14E-08	3.30E-07	7.43E-09	4.25E-08	5.07E-09	5.50E-08	6.75E-09	2.23E-08	1.53E-09	3.06E-08
5149	470227.7	3819670.13	7.68E-08	3.22E-07	2.90E-08	4.28E-07	6.40E-08	2.37E-07	2.08E-08	3.22E-07	7.25E-09	4.15E-08	4.95E-09	5.37E-08	6.59E-09	2.17E-08	1.50E-09	2.98E-08
5150	470237.4	3819670.27	7.47E-08	3.14E-07	2.83E-08	4.17E-07	6.22E-08	2.31E-07	2.03E-08	3.13E-07	7.06E-09	4.04E-08	4.82E-09	5.23E-08	6.42E-09	2.12E-08	1.46E-09	2.90E-08
5151	470247.1	3819670.4	7.25E-08	3.05E-07	2.74E-08	4.05E-07	6.04E-08	2.24E-07	1.97E-08	3.04E-07	6.85E-09	3.92E-08	4.68E-09	5.08E-08	6.23E-09	2.05E-08	1.42E-09	2.82E-08
5152	470256.79	3819670.54	7.03E-08	2.95E-07	2.66E-08	3.92E-07	5.85E-08	2.17E-07	1.91E-08	2.94E-07	6.63E-09	3.80E-08	4.53E-09	4.91E-08	6.03E-09	1.99E-08	1.37E-09	2.73E-08
5153	470266.49	3819670.67	6.79E-08	2.85E-07	2.57E-08	3.79E-07	5.66E-08	2.10E-07	1.84E-08	2.85E-07	6.41E-09	3.67E-08	4.38E-09	4.75E-08	5.83E-09	1.92E-08	1.32E-09	2.64E-08
5154	470092.9	3819684.72	7.15E-08	3.00E-07	2.70E-08	3.99E-07	5.95E-08	2.20E-07	1.94E-08	2.99E-07	6.75E-09	3.86E-08	4.61E-09	5.00E-08	6.13E-09	2.02E-08	1.39E-09	2.78E-08
5155	470084.44	3819681.06	7.12E-08	2.99E-07	2.69E-08	3.97E-07	5.93E-08	2.20E-07	1.93E-08	2.98E-07	6.72E-09	3.85E-08	4.59E-09	4.98E-08	6.11E-09	2.02E-08	1.39E-09	2.77E-08
5156	470075.98	3819677.4	7.07E-08	2.97E-07	2.68E-08	3.95E-07	5.89E-08	2.18E-07	1.92E-08	2.96E-07	6.68E-09	3.82E-08	4.56E-09	4.95E-08	6.07E-09	2.00E-08	1.38E-09	2.75E-08
5157	470067.52	3819673.74	7.01E-08	2.94E-07	2.65E-08	3.91E-07	5.84E-08	2.16E-07	1.90E-08	2.94E-07	6.62E-09	3.79E-08	4.52E-09	4.90E-08	6.02E-09	1.98E-08	1.37E-09	2.72E-08
5158	470059.05	3819670.08	6.93E-08	2.91E-07	2.62E-08	3.86E-07	5.77E-08	2.14E-07	1.88E-08	2.90E-07	6.54E-09	3.74E-08	4.47E-09	4.84E-08	5.94E-09	1.96E-08	1.35E-09	2.69E-08
5159	470050.59	3819666.42	6.82E-08	2.86E-07	2.58E-08	3.80E-07	5.68E-08	2.11E-07	1.85E-08	2.86E-07	6.44E-09	3.69E-08	4.40E-09	4.77E-08	5.86E-09	1.93E-08	1.33E-09	2.65E-08
5160	470042.13	3819662.77	6.70E-08	2.81E-07	2.53E-08	3.74E-07	5.58E-08	2.07E-07	1.82E-08	2.81E-07	6.33E-09	3.62E-08	4.32E-09	4.69E-08	5.75E-09	1.90E-08	1.31E-09	2.60E-08
5161	470033.67	3819659.11	6.56E-08	2.76E-07	2.48E-08	3.66E-07	5.47E-08	2.03E-07	1.78E-08	2.75E-07	6.20E-09	3.55E-08	4.23E-09	4.59E-08	5.63E-09	1.86E-08	1.28E-09	2.55E-08
5162	470025.21	3819655.45	6.41E-08	2.69E-07	2.43E-08	3.58E-07	5.34E-08	1.98E-07	1.74E-08	2.69E-07	6.05E-09	3.47E-08	4.14E-09	4.49E-08	5.50E-09	1.81E-08	1.25E-09	2.49E-08
5163	470016.75	3819651.79	6.25E-08	2.62E-07	2.36E-08	3.49E-07	5.21E-08	1.93E-07	1.70E-08	2.62E-07	5.90E-09	3.38E-08	4.03E-09	4.37E-08	5.37E-09	1.77E-08	1.22E-09	2.43E-08
5164	470101.36	3819688.38	7.15E-08	3.00E-07	2.70E-08	3.99E-07	5.95E-08	2.21E-07	1.94E-08	3.00E-07	6.75E-09	3.86E-08	4.61E-09	5.00E-08	6.14E-09	2.02E-08	1.40E-09	2.78E-08
5165	470111.06	3819688.51	7.28E-08	3.06E-07	2.75E-08	4.06E-07	6.06E-08	2.25E-07	1.97E-08	3.05E-07	6.87E-09	3.93E-08	4.69E-09	5.09E-08	6.25E-09	2.06E-08	1.42E-09	2.83E-08
5166	470120.75	3819688.65	7.38E-08	3.10E-07	2.79E-08	4.12E-07	6.15E-08	2.28E-07	2.00E-08	3.09E-07	6.97E-09	3.99E-08	4.76E-09	5.16E-08	6.33E-09	2.09E-08	1.44E-09	2.87E-08
5167	470130.45	3819688.78	7.46E-08	3.13E-07	2.82E-08	4.16E-07	6.21E-08	2.30E-07	2.02E-08	3.13E-07	7.04E-09	4.03E-08	4.81E-09	5.22E-08	6.40E-09	2.11E-08	1.46E-09	2.90E-08
5168	470140.15	3819688.92	7.51E-08	3.16E-07	2.84E-08	4.19E-07	6.26E-08	2.32E-07	2.04E-08	3.15E-07	7.09E-09	4.06E-08	4.85E-09	5.26E-08	6.45E-09	2.13E-08	1.47E-09	2.92E-08
5169	470149.85	3819689.05	7.54E-08	3.17E-07	2.85E-08	4.21E-07	6.28E-08	2.33E-07	2.05E-08	3.16E-07	7.12E-09	4.08E-08	4.86E-09	5.27E-08	6.47E-09	2.13E-08	1.47E-09	2.93E-08
5170	470159.54	3819689.19	7.54E-08	3.17E-07	2.85E-08	4.21E-07	6.28E-08	2.33E-07	2.05E-08	3.16E-07	7.12E-09	4.08E-08	4.86E-09	5.28E-08	6.47E-09	2.13E-08	1.47E-09	2.93E-08
5171	470169.24	3819689.32	7.52E-08	3.16E-07	2.84E-08	4.19E-07	6.26E-08	2.32E-07	2.04E-08	3.15E-07	7.10E-09	4.06E-08	4.85E-09	5.26E-08	6.45E-09	2.13E-08	1.47E-09	2.92E-08
5172	470178.94	3819689.46	7.46E-08	3.13E-07	2.82E-08	4.16E-07	6.22E-08	2.30E-07	2.03E-08	3.13E-07	7.05E-09	4.03E-08	4.81E-09	5.22E-08	6.41E-09	2.11E-08	1.46E-09	2.90E-08
5173	470188.63	3819689.59	7.39E-08	3.10E-07	2.79E-08	4.12E-07	6.15E-08	2.28E-07	2.01E-08	3.10E-07	6.98E-09	3.99E-08	4.76E-09	5.17E-08	6.34E-09	2.09E-08	1.44E-09	2.87E-08
5174	470198.33	3819689.73	7.29E-08	3.06E-07	2.76E-08	4.06E-07	6.07E-08	2.25E-07	1.98E-08	3.05E-07	6.88E-09	3.94E-08	4.70E-09	5.10E-08	6.25E-09	2.06E-08	1.42E-09	2.83E-08
5175	470208.03	3819689.86	7.16E-08	3.01E-07	2.71E-08	4.00E-07	5.97E-08	2.21E-07	1.94E-08	3.00E-07	6.77E-09	3.87E-08	4.62E-09	5.01E-08	6.15E-09	2.03E-08	1.40E-09	2.78E-08
5176	470217.73	3819690	7.02E-08	2.95E-07	2.66E-08	3.92E-07	5.85E-08	2.17E-07	1.91E-08	2.94E-07	6.63E-09	3.80E-08	4.53E-09	4.91E-08	6.03E-09	1.99E-08	1.37E-09	2.73E-08
5177	470227.42	3819690.13	6.86E-08	2.88E-07	2.60E-08	3.83E-07	5.72E-08	2.12E-07	1.86E-08	2.88E-07	6.48E-09	3.71E-08	4.43E-09	4.80E-08	5.89E-09	1.94E-08	1.34E-09	2.67E-08
5178	470237.12	3819690.27	6.69E-08	2.81E-07	2.53E-08	3.73E-07	5.57E-08	2.07E-07	1.82E-08	2.80E-07	6.32E-09	3.62E-08	4.32E-09	4.68E-08	5.74E-09	1.89E-08	1.31E-09	2.60E-08
5179	470246.82	3819690.4	6.51E-08	2.73E-07	2.46E-08	3.63E-07	5.42E-08	2.01E-07	1.77E-08	2.73E-07	6.15E-09	3.52E-08	4.20E-09	4.55E-08	5.59E-09	1.84E-08	1.27E-09	2.53E-08
5180	470256.51	3819690.54	6.32E-08	2.65E-07	2.39E-08	3.52E-07	5.26E-08	1.95E-07	1.71E-08	2.65E-07	5.96E-09	3.41E-08	4.07E-09	4.42E-08	5.42E-09	1.79E-08	1.23E-09	2.45E-08
5181	470266.21	3819690.67	6.12E-08	2.57E-07	2.31E-08	3.41E-07	5.10E-08	1.89E-07	1.66E-08	2.56E-07	5.78E-09	3.31E-08	3.95E-09	4.28E-08	5.25E-09	1.73E-08	1.19E-09	2.38E-08
5182	470092.35	3819704.6	6.49E-08	2.73E-07	2.45E-08	3.62E-07	5.41E-08	2.00E-07	1.76E-08	2.72E-07	6.13E-09	3.51E-08	4.19E-09	4.54E-08	5.57E-09	1.84E-08	1.27E-09	2.52E-08
5183	470083.62	3819700.82	6.48E-08	2.72E-07	2.45E-08	3.61E-07	5.39E-08	2.00E-07	1.76E-08	2.71E-07	6.11E-09	3.50E-08	4.18E-09	4.53E-08	5.56E-09	1.83E-08	1.26E-09	2.52E-08
5184	470074.89	3819697.05	6.44E-08	2.71E-07	2.44E-08	3.59E-07	5.37E-08	1.99E-07	1.75E-08	2.70E-07	6.08E-09	3.48E-08	4.16E-09	4.51E-08	5.53E-09	1.82E-08	1.26E-09	2.50E-08
5185	470066.16	3819693.28	6.39E-08	2.68E-07	2.42E-08	3.57E-07	5.32E-08	1.97E-07	1.74E-08	2.68E-07	6.04E-09	3.46E-08	4.12E-09	4.47E-08	5.49E-09	1.81E-08	1.25E-09	2.48E-08
5186	470057.43	3819689.5	6.32E-08	2.66E-07	2.39E-08	3.53E-07	5.27E-08	1.95E-07	1.72E-08	2.65E-07	5.97E-09	3.42E-08	4.08E-09	4.42E-08	5.43E-09	1.79E-08	1.23E-09	2.46E-08
5187	470048.7	3819685.73	6.24E-08	2.62E-07	2.36E-08	3.48E-07	5.20E-08	1.93E-07	1.69E-08	2.61E-07	5.89E-09	3.37E-08	4.02E-09	4.36E-08	5.36E-09	1.77E-08	1.22E-09	2.42E-08
5188	470039.97	3819681.95	6.14E-08	2.58E-07	2.32E-08	3.42E-07	5.11E-08	1.89E-07	1.67E-08	2.57E-07	5.80E-09	3.32E-08	3.96E-09	4.29E-08	5.27E-09	1.74E-08	1.20E-09	2.38E-08
5189	470031.24	3819678.18	6.02E-08	2.53E-07	2.28E-08	3.36E-07	5.02E-08	1.86E-07	1.64E-08	2.52E-07	5.69E-09	3.26E-08	3.89E-09	4.21E-08	5.17E-09	1.71E-08	1.18E-09	2.34E-08
5190	470022.51	3819674.4	5.90E-08	2.48E-07	2.23E-08	3.29E-07	4.91E-08	1.82E-07	1.60E-08	2.47E-07	5.57E-09	3.19E-08	3.80E-09	4.13E-08	5.06E-09	1.67E-08	1.15E-09	2.29E-08
5191	470013.78	3819670.63	5.76E-08	2.42E-07	2.18E-08	3.21E-07	4.80E-08	1.78E-07	1.56E-08	2.41E-07	5.44E-09	3.11E-08	3.72E-09	4.03E-08	4.94E-09	1.63E-08	1.12E-09	2.24E-08
5192	470005.06	3819666.85	5.61E-08	2.36E-07	2.12E-08	3.13E-07	4.68E-08	1.73E-07	1.52E-08	2.35E-07	5.30E-09	3.03E-08	3.62E-09	3.93E-08	4.82E-09	1.59E-08	1.10E-09	2.18E-08
5193	469996.33	3819663.08	5.46E-08	2.29E-07	2.06E-08	3.04E-07	4.55E-08	1.68E-07	1.48E-08	2.29E-07	5.15E-09	2.95E-08	3.52E-09	3.82E-08	4.69E-09	1.55E-08	1.07E-09	2.12E-08
5194	469987.6	3819659.3	5.30E-08	2.22E-07	2.00E-08	2.95E-07	4.41E-08	1.63E-07	1.44E-08	2.22E-07	5.00E-09	2.86E-08	3.42E-09	3.71E-08	4.55E-09	1.50E-08	1.03E-09	2.06E-08
5195	470101.08	3819708.37	6.48E-08	2.72E-07	2.45E-08	3.62E-07	5.40E-08	2.00E-07	1.76E-08	2.72E-07	6.12E-09	3.51E-08	4.18E-09	4.54E-08	5.57E-09	1.84E-08	1.27E-09	2.52E-08
5196	470110.78	3819708.51	6.58E-08	2.76E-07	2.49E-08	3.67E-07	5.48E-08	2.03E-07	1.79E-08	2.76E-07	6.22E-09	3.56E-08	4.25E-09	4.60E-08	5.65E-09	1.86E-08	1.28E-09	2.56E-08
5197	470120.48	3819708.64	6.66E-08	2.80E-07	2.52E-08	3.72E-07	5.55E-08	2.06E-07	1.81E-08	2.79E-07	6.29E-09	3.60E-08	4.30E-09	4.66E-08	5.72E-09	1.89E-08	1.30E-09	2.59E-08
5198	470130.17	3819708.78	6.72E-08	2.82E-07	2.54E-08	3.75E-07	5.60E-08	2.07E-07	1.82E-08	2.82E-07	6.35E-09	3.63E-08	4.34E-09	4.70E-08	5.77E-09	1.90E-08	1.31E-09	2.61E-08

5199	470139.87	3819708.91	6.76E-08	2.84E-07	2.56E-08	3.77E-07	5.63E-08	2.09E-07	1.84E-08	2.83E-07	6.38E-09	3.66E-08	4.36E-09	4.73E-08	5.80E-09	1.91E-08	1.32E-09	2.63E-08
5200	470149.57	3819709.05	6.78E-08	2.85E-07	2.56E-08	3.78E-07	5.65E-08	2.09E-07	1.84E-08	2.84E-07	6.40E-09	3.66E-08	4.37E-09	4.74E-08	5.82E-09	1.92E-08	1.32E-09	2.63E-08
5201	470159.26	3819709.18	6.77E-08	2.84E-07	2.56E-08	3.78E-07	5.64E-08	2.09E-07	1.84E-08	2.84E-07	6.39E-09	3.66E-08	4.37E-09	4.74E-08	5.81E-09	1.92E-08	1.32E-09	2.63E-08
5202	470168.96	3819709.32	6.74E-08	2.83E-07	2.55E-08	3.76E-07	5.62E-08	2.08E-07	1.83E-08	2.83E-07	6.37E-09	3.65E-08	4.35E-09	4.72E-08	5.79E-09	1.91E-08	1.32E-09	2.62E-08
5203	470178.66	3819709.45	6.70E-08	2.81E-07	2.53E-08	3.73E-07	5.58E-08	2.07E-07	1.82E-08	2.81E-07	6.32E-09	3.62E-08	4.32E-09	4.68E-08	5.75E-09	1.90E-08	1.31E-09	2.60E-08
5204	470188.36	3819709.59	6.63E-08	2.78E-07	2.51E-08	3.70E-07	5.52E-08	2.04E-07	1.80E-08	2.78E-07	6.26E-09	3.58E-08	4.27E-09	4.64E-08	5.69E-09	1.88E-08	1.29E-09	2.57E-08
5205	470198.05	3819709.72	6.54E-08	2.75E-07	2.47E-08	3.65E-07	5.45E-08	2.02E-07	1.77E-08	2.74E-07	6.17E-09	3.53E-08	4.22E-09	4.57E-08	5.61E-09	1.85E-08	1.28E-09	2.54E-08
5206	470207.75	3819709.86	6.43E-08	2.70E-07	2.43E-08	3.59E-07	5.36E-08	1.98E-07	1.75E-08	2.70E-07	6.07E-09	3.48E-08	4.15E-09	4.50E-08	5.52E-09	1.82E-08	1.26E-09	2.50E-08
5207	470217.45	3819709.99	6.31E-08	2.65E-07	2.39E-08	3.52E-07	5.26E-08	1.95E-07	1.71E-08	2.64E-07	5.96E-09	3.41E-08	4.07E-09	4.41E-08	5.42E-09	1.79E-08	1.23E-09	2.45E-08
5208	470227.14	3819710.13	6.18E-08	2.59E-07	2.34E-08	3.44E-07	5.14E-08	1.91E-07	1.68E-08	2.59E-07	5.83E-09	3.34E-08	3.98E-09	4.32E-08	5.30E-09	1.75E-08	1.21E-09	2.40E-08
5209	470236.84	3819710.26	6.03E-08	2.53E-07	2.28E-08	3.36E-07	5.02E-08	1.86E-07	1.64E-08	2.53E-07	5.69E-09	3.26E-08	3.89E-09	4.22E-08	5.18E-09	1.71E-08	1.18E-09	2.34E-08
5210	470246.54	3819710.4	5.87E-08	2.47E-07	2.22E-08	3.28E-07	4.89E-08	1.81E-07	1.59E-08	2.46E-07	5.55E-09	3.18E-08	3.79E-09	4.11E-08	5.04E-09	1.66E-08	1.15E-09	2.28E-08
5211	470256.24	3819710.53	5.71E-08	2.40E-07	2.16E-08	3.19E-07	4.76E-08	1.76E-07	1.55E-08	2.39E-07	5.39E-09	3.09E-08	3.68E-09	4.00E-08	4.90E-09	1.62E-08	1.11E-09	2.22E-08
5212	470265.93	3819710.67	5.54E-08	2.33E-07	2.10E-08	3.09E-07	4.62E-08	1.71E-07	1.51E-08	2.32E-07	5.24E-09	3.00E-08	3.58E-09	3.88E-08	4.76E-09	1.57E-08	1.08E-09	2.15E-08
5213	470092.22	3819724.66	5.92E-08	2.49E-07	2.24E-08	3.30E-07	4.93E-08	1.83E-07	1.61E-08	2.48E-07	5.59E-09	3.20E-08	3.82E-09	4.14E-08	5.08E-09	1.68E-08	1.15E-09	2.30E-08
5214	470083.64	3819720.95	5.92E-08	2.48E-07	2.24E-08	3.30E-07	4.93E-08	1.83E-07	1.61E-08	2.48E-07	5.59E-09	3.20E-08	3.82E-09	4.14E-08	5.08E-09	1.67E-08	1.15E-09	2.30E-08
5215	470075.05	3819717.24	5.90E-08	2.48E-07	2.23E-08	3.29E-07	4.91E-08	1.82E-07	1.60E-08	2.47E-07	5.57E-09	3.19E-08	3.80E-09	4.12E-08	5.06E-09	1.67E-08	1.15E-09	2.29E-08
5216	470066.47	3819713.53	5.86E-08	2.46E-07	2.22E-08	3.27E-07	4.88E-08	1.81E-07	1.59E-08	2.46E-07	5.53E-09	3.17E-08	3.78E-09	4.10E-08	5.03E-09	1.66E-08	1.14E-09	2.28E-08
5217	470014.97	3819691.25	5.38E-08	2.26E-07	2.03E-08	3.00E-07	4.48E-08	1.66E-07	1.46E-08	2.25E-07	5.08E-09	2.91E-08	3.47E-09	3.76E-08	4.61E-09	1.52E-08	1.05E-09	2.09E-08
5218	470006.38	3819687.54	5.26E-08	2.21E-07	1.99E-08	2.93E-07	4.38E-08	1.62E-07	1.43E-08	2.20E-07	4.97E-09	2.84E-08	3.39E-09	3.68E-08	4.51E-09	1.49E-08	1.03E-09	2.04E-08
5219	469997.8	3819683.83	5.14E-08	2.16E-07	1.94E-08	2.86E-07	4.28E-08	1.58E-07	1.39E-08	2.15E-07	4.85E-09	2.78E-08	3.31E-09	3.59E-08	4.41E-09	1.45E-08	1.00E-09	1.99E-08
5220	469989.22	3819680.12	5.00E-08	2.10E-07	1.89E-08	2.79E-07	4.17E-08	1.54E-07	1.36E-08	2.10E-07	4.73E-09	2.71E-08	3.23E-09	3.50E-08	4.30E-09	1.42E-08	9.77E-10	1.94E-08
5221	469980.63	3819676.41	4.87E-08	2.04E-07	1.84E-08	2.72E-07	4.06E-08	1.50E-07	1.32E-08	2.04E-07	4.60E-09	2.63E-08	3.14E-09	3.41E-08	4.18E-09	1.38E-08	9.50E-10	1.89E-08
5222	470100.8	3819728.37	5.90E-08	2.48E-07	2.23E-08	3.29E-07	4.92E-08	1.82E-07	1.60E-08	2.47E-07	5.57E-09	3.19E-08	3.81E-09	4.13E-08	5.07E-09	1.67E-08	1.15E-09	2.29E-08
5223	470110.5	3819728.51	5.98E-08	2.51E-07	2.26E-08	3.33E-07	4.98E-08	1.85E-07	1.62E-08	2.51E-07	5.65E-09	3.23E-08	3.86E-09	4.18E-08	5.13E-09	1.69E-08	1.17E-09	2.32E-08
5224	470120.2	3819728.64	6.04E-08	2.54E-07	2.28E-08	3.37E-07	5.03E-08	1.86E-07	1.64E-08	2.53E-07	5.70E-09	3.27E-08	3.90E-09	4.23E-08	5.19E-09	1.71E-08	1.18E-09	2.35E-08
5225	470129.89	3819728.78	6.09E-08	2.56E-07	2.30E-08	3.39E-07	5.07E-08	1.88E-07	1.65E-08	2.55E-07	5.75E-09	3.29E-08	3.93E-09	4.26E-08	5.22E-09	1.72E-08	1.19E-09	2.36E-08
5226	470139.59	3819728.91	6.11E-08	2.57E-07	2.31E-08	3.41E-07	5.09E-08	1.89E-07	1.66E-08	2.56E-07	5.77E-09	3.30E-08	3.94E-09	4.28E-08	5.25E-09	1.73E-08	1.19E-09	2.37E-08
5227	470149.29	3819729.05	6.12E-08	2.57E-07	2.31E-08	3.41E-07	5.10E-08	1.89E-07	1.66E-08	2.56E-07	5.78E-09	3.31E-08	3.95E-09	4.28E-08	5.25E-09	1.73E-08	1.19E-09	2.38E-08
5228	470158.99	3819729.18	6.11E-08	2.57E-07	2.31E-08	3.41E-07	5.09E-08	1.89E-07	1.66E-08	2.56E-07	5.77E-09	3.30E-08	3.94E-09	4.27E-08	5.25E-09	1.73E-08	1.19E-09	2.37E-08
5229	470168.68	3819729.32	6.08E-08	2.55E-07	2.30E-08	3.39E-07	5.07E-08	1.88E-07	1.65E-08	2.55E-07	5.74E-09	3.29E-08	3.92E-09	4.25E-08	5.22E-09	1.72E-08	1.19E-09	2.36E-08
5230	470178.38	3819729.45	6.04E-08	2.53E-07	2.28E-08	3.37E-07	5.03E-08	1.86E-07	1.64E-08	2.53E-07	5.70E-09	3.26E-08	3.89E-09	4.22E-08	5.18E-09	1.71E-08	1.18E-09	2.34E-08
5231	470188.08	3819729.59	5.97E-08	2.51E-07	2.26E-08	3.33E-07	4.98E-08	1.84E-07	1.62E-08	2.50E-07	5.64E-09	3.23E-08	3.85E-09	4.18E-08	5.13E-09	1.69E-08	1.17E-09	2.32E-08
5232	470197.77	3819729.72	5.90E-08	2.48E-07	2.23E-08	3.29E-07	4.91E-08	1.82E-07	1.60E-08	2.47E-07	5.57E-09	3.19E-08	3.80E-09	4.12E-08	5.06E-09	1.67E-08	1.15E-09	2.29E-08
5233	470207.47	3819729.86	5.80E-08	2.44E-07	2.19E-08	3.24E-07	4.83E-08	1.79E-07	1.58E-08	2.43E-07	5.48E-09	3.14E-08	3.74E-09	4.06E-08	4.98E-09	1.64E-08	1.13E-09	2.25E-08
5234	470217.17	3819729.99	5.70E-08	2.39E-07	2.16E-08	3.18E-07	4.75E-08	1.76E-07	1.55E-08	2.39E-07	5.38E-09	3.08E-08	3.68E-09	3.99E-08	4.89E-09	1.61E-08	1.11E-09	2.21E-08
5235	470226.87	3819730.13	5.58E-08	2.34E-07	2.11E-08	3.11E-07	4.65E-08	1.72E-07	1.52E-08	2.34E-07	5.27E-09	3.02E-08	3.60E-09	3.91E-08	4.79E-09	1.58E-08	1.09E-09	2.17E-08
5236	470236.56	3819730.26	5.46E-08	2.29E-07	2.06E-08	3.05E-07	4.55E-08	1.68E-07	1.48E-08	2.29E-07	5.16E-09	2.95E-08	3.52E-09	3.82E-08	4.69E-09	1.55E-08	1.07E-09	2.12E-08
5237	470246.26	3819730.4	5.33E-08	2.24E-07	2.02E-08	2.97E-07	4.44E-08	1.64E-07	1.45E-08	2.23E-07	5.03E-09	2.88E-08	3.44E-09	3.73E-08	4.58E-09	1.51E-08	1.04E-09	2.07E-08
5238	470255.96	3819730.53	5.19E-08	2.18E-07	1.96E-08	2.90E-07	4.33E-08	1.60E-07	1.41E-08	2.18E-07	4.90E-09	2.81E-08	3.35E-09	3.63E-08	4.46E-09	1.47E-08	1.01E-09	2.02E-08
5239	470265.66	3819730.67	5.05E-08	2.12E-07	1.91E-08	2.82E-07	4.21E-08	1.56E-07	1.37E-08	2.12E-07	4.77E-09	2.73E-08	3.26E-09	3.53E-08	4.34E-09	1.43E-08	9.86E-10	1.96E-08
5240	470091.71	3819744.56	5.42E-08	2.28E-07	2.05E-08	3.02E-07	4.51E-08	1.67E-07	1.47E-08	2.27E-07	5.12E-09	2.93E-08	3.49E-09	3.79E-08	4.65E-09	1.53E-08	1.06E-09	2.10E-08
5241	470082.9	3819740.75	5.42E-08	2.28E-07	2.05E-08	3.02E-07	4.52E-08	1.67E-07	1.47E-08	2.27E-07	5.12E-09	2.93E-08	3.50E-09	3.79E-08	4.66E-09	1.53E-08	1.06E-09	2.11E-08
5242	470074.08	3819736.94	5.41E-08	2.27E-07	2.05E-08	3.02E-07	4.51E-08	1.67E-07	1.47E-08	2.27E-07	5.11E-09	2.93E-08	3.49E-09	3.79E-08	4.65E-09	1.53E-08	1.06E-09	2.10E-08
5243	470065.27	3819733.13	5.39E-08	2.26E-07	2.04E-08	3.00E-07	4.49E-08	1.66E-07	1.46E-08	2.26E-07	5.09E-09	2.91E-08	3.47E-09	3.77E-08	4.62E-09	1.52E-08	1.05E-09	2.09E-08
5244	470100.52	3819748.37	5.40E-08	2.27E-07	2.04E-08	3.01E-07	4.50E-08	1.67E-07	1.47E-08	2.26E-07	5.10E-09	2.92E-08	3.48E-09	3.78E-08	4.63E-09	1.53E-08	1.05E-09	2.10E-08
5245	470110.22	3819748.51	5.46E-08	2.29E-07	2.06E-08	3.04E-07	4.55E-08	1.68E-07	1.48E-08	2.29E-07	5.16E-09	2.95E-08	3.52E-09	3.82E-08	4.69E-09	1.55E-08	1.07E-09	2.12E-08
5246	470119.92	3819748.64	5.51E-08	2.31E-07	2.08E-08	3.07E-07	4.59E-08	1.70E-07	1.50E-08	2.31E-07	5.20E-09	2.98E-08	3.55E-09	3.85E-08	4.73E-09	1.56E-08	1.07E-09	2.14E-08
5247	470129.62	3819748.78	5.54E-08	2.33E-07	2.10E-08	3.09E-07	4.61E-08	1.71E-07	1.50E-08	2.32E-07	5.23E-09	3.00E-08	3.57E-09	3.88E-08	4.76E-09	1.57E-08	1.08E-09	2.15E-08
5248	470139.31	3819748.91	5.56E-08	2.33E-07	2.10E-08	3.10E-07	4.63E-08	1.72E-07	1.51E-08	2.33E-07	5.25E-09	3.00E-08	3.59E-09	3.89E-08	4.77E-09	1.57E-08	1.08E-09	2.16E-08
5249	470149.01	3819749.05	5.56E-08	2.34E-07	2.10E-08	3.10E-07	4.63E-08	1.72E-07	1.51E-08	2.33E-07	5.25E-09	3.01E-08	3.59E-09	3.89E-08	4.77E-09	1.57E-08	1.09E-09	2.16E-08

5250	470158.71	3819749.18	5.55E-08	2.33E-07	2.10E-08	3.09E-07	4.62E-08	1.71E-07	1.51E-08	2.32E-07	5.24E-09	3.00E-08	3.58E-09	3.88E-08	4.76E-09	1.57E-08	1.08E-09	2.15E-08
5251	470168.4	3819749.32	5.52E-08	2.32E-07	2.09E-08	3.08E-07	4.60E-08	1.70E-07	1.50E-08	2.31E-07	5.21E-09	2.98E-08	3.56E-09	3.86E-08	4.74E-09	1.56E-08	1.08E-09	2.14E-08
5252	470178.1	3819749.45	5.48E-08	2.30E-07	2.07E-08	3.05E-07	4.56E-08	1.69E-07	1.49E-08	2.29E-07	5.17E-09	2.96E-08	3.53E-09	3.83E-08	4.70E-09	1.55E-08	1.07E-09	2.13E-08
5253	470187.8	3819749.59	5.42E-08	2.28E-07	2.05E-08	3.02E-07	4.51E-08	1.67E-07	1.47E-08	2.27E-07	5.12E-09	2.93E-08	3.50E-09	3.79E-08	4.65E-09	1.53E-08	1.06E-09	2.11E-08
5254	470197.5	3819749.72	5.35E-08	2.25E-07	2.02E-08	2.98E-07	4.46E-08	1.65E-07	1.45E-08	2.24E-07	5.05E-09	2.89E-08	3.45E-09	3.74E-08	4.59E-09	1.51E-08	1.04E-09	2.08E-08
5255	470207.19	3819749.86	5.27E-08	2.21E-07	1.99E-08	2.94E-07	4.39E-08	1.63E-07	1.43E-08	2.21E-07	4.98E-09	2.85E-08	3.40E-09	3.69E-08	4.52E-09	1.49E-08	1.03E-09	2.05E-08
5256	470216.89	3819749.99	5.18E-08	2.17E-07	1.96E-08	2.89E-07	4.31E-08	1.60E-07	1.41E-08	2.17E-07	4.89E-09	2.80E-08	3.34E-09	3.62E-08	4.45E-09	1.47E-08	1.01E-09	2.01E-08
5257	470226.59	3819750.13	5.08E-08	2.13E-07	1.92E-08	2.83E-07	4.23E-08	1.57E-07	1.38E-08	2.13E-07	4.80E-09	2.75E-08	3.28E-09	3.55E-08	4.36E-09	1.44E-08	9.91E-10	1.97E-08
5258	470236.29	3819750.26	4.97E-08	2.09E-07	1.88E-08	2.77E-07	4.14E-08	1.53E-07	1.35E-08	2.08E-07	4.69E-09	2.69E-08	3.21E-09	3.48E-08	4.27E-09	1.41E-08	9.70E-10	1.93E-08
5259	470245.98	3819750.4	4.86E-08	2.04E-07	1.84E-08	2.71E-07	4.05E-08	1.50E-07	1.32E-08	2.04E-07	4.59E-09	2.63E-08	3.13E-09	3.40E-08	4.17E-09	1.38E-08	9.48E-10	1.89E-08
5260	470255.68	3819750.53	4.74E-08	1.99E-07	1.79E-08	2.64E-07	3.95E-08	1.46E-07	1.29E-08	1.99E-07	4.48E-09	2.56E-08	3.06E-09	3.32E-08	4.07E-09	1.34E-08	9.25E-10	1.84E-08
5261	470265.38	3819750.67	4.62E-08	1.94E-07	1.75E-08	2.58E-07	3.85E-08	1.42E-07	1.25E-08	1.93E-07	4.36E-09	2.50E-08	2.98E-09	3.23E-08	3.96E-09	1.31E-08	9.01E-10	1.79E-08
5262	470091.09	3819784.53	4.60E-08	1.93E-07	1.74E-08	2.56E-07	3.83E-08	1.42E-07	1.25E-08	1.93E-07	4.34E-09	2.48E-08	2.96E-09	3.21E-08	3.95E-09	1.30E-08	8.97E-10	1.78E-08
5263	470082.21	3819780.69	4.61E-08	1.93E-07	1.74E-08	2.57E-07	3.84E-08	1.42E-07	1.25E-08	1.93E-07	4.35E-09	2.49E-08	2.97E-09	3.22E-08	3.95E-09	1.30E-08	8.99E-10	1.79E-08
5264	470073.33	3819776.85	4.61E-08	1.93E-07	1.74E-08	2.57E-07	3.84E-08	1.42E-07	1.25E-08	1.93E-07	4.35E-09	2.49E-08	2.97E-09	3.22E-08	3.95E-09	1.30E-08	8.99E-10	1.79E-08
5265	470064.45	3819773.01	4.60E-08	1.93E-07	1.74E-08	2.56E-07	3.83E-08	1.42E-07	1.25E-08	1.93E-07	4.34E-09	2.48E-08	2.96E-09	3.22E-08	3.95E-09	1.30E-08	8.97E-10	1.79E-08
5266	470099.97	3819788.37	4.57E-08	1.92E-07	1.73E-08	2.55E-07	3.81E-08	1.41E-07	1.24E-08	1.92E-07	4.32E-09	2.47E-08	2.95E-09	3.20E-08	3.93E-09	1.29E-08	8.92E-10	1.78E-08
5267	470109.66	3819788.5	4.61E-08	1.94E-07	1.74E-08	2.57E-07	3.84E-08	1.42E-07	1.25E-08	1.93E-07	4.35E-09	2.49E-08	2.97E-09	3.23E-08	3.96E-09	1.31E-08	9.00E-10	1.79E-08
5268	470119.36	3819788.64	4.64E-08	1.95E-07	1.75E-08	2.59E-07	3.86E-08	1.43E-07	1.26E-08	1.94E-07	4.38E-09	2.51E-08	2.99E-09	3.25E-08	3.98E-09	1.31E-08	9.05E-10	1.80E-08
5269	470129.06	3819788.77	4.66E-08	1.96E-07	1.76E-08	2.60E-07	3.88E-08	1.44E-07	1.26E-08	1.95E-07	4.40E-09	2.52E-08	3.00E-09	3.26E-08	4.00E-09	1.32E-08	9.09E-10	1.81E-08
5270	470138.76	3819788.91	4.66E-08	1.96E-07	1.76E-08	2.60E-07	3.88E-08	1.44E-07	1.27E-08	1.95E-07	4.40E-09	2.52E-08	3.01E-09	3.26E-08	4.00E-09	1.32E-08	9.10E-10	1.81E-08
5271	470148.45	3819789.04	4.66E-08	1.96E-07	1.76E-08	2.60E-07	3.88E-08	1.44E-07	1.26E-08	1.95E-07	4.40E-09	2.52E-08	3.00E-09	3.26E-08	4.00E-09	1.32E-08	9.09E-10	1.81E-08
5272	470158.15	3819789.18	4.64E-08	1.95E-07	1.76E-08	2.59E-07	3.87E-08	1.43E-07	1.26E-08	1.95E-07	4.38E-09	2.51E-08	2.99E-09	3.25E-08	3.98E-09	1.31E-08	9.06E-10	1.80E-08
5273	470167.85	3819789.31	4.62E-08	1.94E-07	1.75E-08	2.57E-07	3.84E-08	1.42E-07	1.25E-08	1.93E-07	4.36E-09	2.49E-08	2.98E-09	3.23E-08	3.96E-09	1.31E-08	9.00E-10	1.79E-08
5274	470177.54	3819789.45	4.58E-08	1.92E-07	1.73E-08	2.55E-07	3.81E-08	1.41E-07	1.24E-08	1.92E-07	4.32E-09	2.47E-08	2.95E-09	3.20E-08	3.93E-09	1.30E-08	8.93E-10	1.78E-08
5275	470187.24	3819789.58	4.53E-08	1.90E-07	1.71E-08	2.53E-07	3.77E-08	1.40E-07	1.23E-08	1.90E-07	4.28E-09	2.45E-08	2.92E-09	3.17E-08	3.89E-09	1.28E-08	8.84E-10	1.76E-08
5276	470196.94	3819789.72	4.48E-08	1.88E-07	1.69E-08	2.50E-07	3.73E-08	1.38E-07	1.21E-08	1.88E-07	4.23E-09	2.42E-08	2.89E-09	3.13E-08	3.84E-09	1.27E-08	8.73E-10	1.74E-08
5277	470206.64	3819789.85	4.41E-08	1.85E-07	1.67E-08	2.46E-07	3.67E-08	1.36E-07	1.20E-08	1.85E-07	4.17E-09	2.38E-08	2.85E-09	3.09E-08	3.79E-09	1.25E-08	8.61E-10	1.71E-08
5278	470216.33	3819789.99	4.34E-08	1.82E-07	1.64E-08	2.42E-07	3.62E-08	1.34E-07	1.18E-08	1.82E-07	4.10E-09	2.35E-08	2.80E-09	3.04E-08	3.73E-09	1.23E-08	8.47E-10	1.69E-08
5279	470226.03	3819790.12	4.26E-08	1.79E-07	1.61E-08	2.38E-07	3.55E-08	1.32E-07	1.16E-08	1.79E-07	4.03E-09	2.30E-08	2.75E-09	2.98E-08	3.66E-09	1.21E-08	8.32E-10	1.66E-08
5280	470235.73	3819790.26	4.18E-08	1.76E-07	1.58E-08	2.33E-07	3.48E-08	1.29E-07	1.14E-08	1.75E-07	3.95E-09	2.26E-08	2.70E-09	2.92E-08	3.59E-09	1.18E-08	8.16E-10	1.62E-08
5281	470245.43	3819790.39	4.09E-08	1.72E-07	1.55E-08	2.28E-07	3.41E-08	1.26E-07	1.11E-08	1.72E-07	3.87E-09	2.21E-08	2.64E-09	2.86E-08	3.51E-09	1.16E-08	7.99E-10	1.59E-08
5282	470255.12	3819790.53	4.00E-08	1.68E-07	1.51E-08	2.23E-07	3.33E-08	1.24E-07	1.09E-08	1.68E-07	3.78E-09	2.16E-08	2.58E-09	2.80E-08	3.44E-09	1.13E-08	7.81E-10	1.56E-08
5283	470264.82	3819790.66	3.91E-08	1.64E-07	1.48E-08	2.18E-07	3.26E-08	1.21E-07	1.06E-08	1.64E-07	3.69E-09	2.11E-08	2.52E-09	2.74E-08	3.36E-09	1.11E-08	7.63E-10	1.52E-08
5284	470090.77	3819824.63	3.95E-08	1.66E-07	1.49E-08	2.20E-07	3.29E-08	1.22E-07	1.07E-08	1.65E-07	3.73E-09	2.14E-08	2.55E-09	2.76E-08	3.39E-09	1.12E-08	7.71E-10	1.53E-08
5285	470082.12	3819820.89	3.97E-08	1.67E-07	1.50E-08	2.21E-07	3.30E-08	1.22E-07	1.08E-08	1.66E-07	3.74E-09	2.14E-08	2.56E-09	2.77E-08	3.40E-09	1.12E-08	7.74E-10	1.54E-08
5286	470073.48	3819817.15	3.97E-08	1.67E-07	1.50E-08	2.22E-07	3.31E-08	1.23E-07	1.08E-08	1.66E-07	3.75E-09	2.15E-08	2.56E-09	2.78E-08	3.41E-09	1.12E-08	7.75E-10	1.54E-08
5287	470064.84	3819813.41	3.97E-08	1.67E-07	1.50E-08	2.22E-07	3.31E-08	1.23E-07	1.08E-08	1.66E-07	3.75E-09	2.15E-08	2.56E-09	2.78E-08	3.41E-09	1.12E-08	7.75E-10	1.54E-08
5288	470099.41	3819828.36	3.93E-08	1.65E-07	1.48E-08	2.19E-07	3.27E-08	1.21E-07	1.07E-08	1.64E-07	3.71E-09	2.12E-08	2.53E-09	2.75E-08	3.37E-09	1.11E-08	7.66E-10	1.52E-08
5289	470109.11	3819828.5	3.95E-08	1.66E-07	1.49E-08	2.20E-07	3.29E-08	1.22E-07	1.07E-08	1.65E-07	3.73E-09	2.13E-08	2.55E-09	2.76E-08	3.39E-09	1.12E-08	7.71E-10	1.53E-08
5290	470118.8	3819828.63	3.97E-08	1.67E-07	1.50E-08	2.21E-07	3.30E-08	1.22E-07	1.08E-08	1.66E-07	3.74E-09	2.14E-08	2.56E-09	2.77E-08	3.40E-09	1.12E-08	7.74E-10	1.54E-08
5291	470128.5	3819828.77	3.97E-08	1.67E-07	1.50E-08	2.22E-07	3.31E-08	1.23E-07	1.08E-08	1.66E-07	3.75E-09	2.15E-08	2.56E-09	2.78E-08	3.41E-09	1.12E-08	7.75E-10	1.54E-08
5292	470138.2	3819828.9	3.97E-08	1.67E-07	1.50E-08	2.22E-07	3.31E-08	1.23E-07	1.08E-08	1.66E-07	3.75E-09	2.15E-08	2.56E-09	2.78E-08	3.41E-09	1.12E-08	7.75E-10	1.54E-08
5293	470147.9	3819829.04	3.96E-08	1.66E-07	1.50E-08	2.21E-07	3.30E-08	1.22E-07	1.08E-08	1.66E-07	3.74E-09	2.14E-08	2.56E-09	2.77E-08	3.40E-09	1.12E-08	7.73E-10	1.54E-08
5294	470157.59	3819829.17	3.95E-08	1.66E-07	1.49E-08	2.20E-07	3.29E-08	1.22E-07	1.07E-08	1.65E-07	3.73E-09	2.13E-08	2.55E-09	2.76E-08	3.39E-09	1.12E-08	7.70E-10	1.53E-08
5295	470167.29	3819829.31	3.92E-08	1.65E-07	1.48E-08	2.19E-07	3.27E-08	1.21E-07	1.06E-08	1.64E-07	3.70E-09	2.12E-08	2.53E-09	2.74E-08	3.37E-09	1.11E-08	7.65E-10	1.52E-08
5296	470176.99	3819829.44	3.89E-08	1.63E-07	1.47E-08	2.17E-07	3.24E-08	1.20E-07	1.06E-08	1.63E-07	3.67E-09	2.10E-08	2.51E-09	2.72E-08	3.34E-09	1.10E-08	7.59E-10	1.51E-08
5297	470186.69	3819829.58	3.85E-08	1.62E-07	1.46E-08	2.15E-07	3.21E-08	1.19E-07	1.04E-08	1.61E-07	3.63E-09	2.08E-08	2.48E-09	2.69E-08	3.30E-09	1.09E-08	7.51E-10	1.50E-08
5298	470196.38	3819829.71	3.80E-08	1.60E-07	1.44E-08	2.12E-07	3.17E-08	1.17E-07	1.03E-08	1.59E-07	3.59E-09	2.06E-08	2.45E-09	2.66E-08	3.27E-09	1.08E-08	7.42E-10	1.48E-08
5299	470206.08	3819829.85	3.75E-08	1.58E-07	1.42E-08	2.09E-07	3.13E-08	1.16E-07	1.02E-08	1.57E-07	3.54E-09	2.03E-08	2.42E-09	2.62E-08	3.22E-09	1.06E-08	7.32E-10	1.46E-08
5300	470215.78	3819829.98	3.70E-08	1.55E-07	1.40E-08	2.06E-07	3.08E-08	1.14E-07	1.00E-08	1.55E-07	3.49E-09	2.00E-08	2.38E-09	2.59E-08	3.17E-09	1.05E-08	7.21E-10	1.44E-08

5301	470225.47	3819830.12	3.63E-08	1.53E-07	1.37E-08	2.03E-07	3.03E-08	1.12E-07	9.87E-09	1.52E-07	3.43E-09	1.96E-08	2.34E-09	2.54E-08	3.12E-09	1.03E-08	7.09E-10	1.41E-08
5302	470235.17	3819830.25	3.57E-08	1.50E-07	1.35E-08	1.99E-07	2.97E-08	1.10E-07	9.69E-09	1.50E-07	3.37E-09	1.93E-08	2.30E-09	2.50E-08	3.06E-09	1.01E-08	6.97E-10	1.39E-08
5303	470244.87	3819830.39	3.50E-08	1.47E-07	1.32E-08	1.95E-07	2.92E-08	1.08E-07	9.51E-09	1.47E-07	3.31E-09	1.89E-08	2.26E-09	2.45E-08	3.01E-09	9.91E-09	6.83E-10	1.36E-08
5304	470254.57	3819830.52	3.43E-08	1.44E-07	1.30E-08	1.91E-07	2.86E-08	1.06E-07	9.32E-09	1.44E-07	3.24E-09	1.86E-08	2.21E-09	2.40E-08	2.95E-09	9.71E-09	6.70E-10	1.33E-08
5305	470264.26	3819830.66	3.36E-08	1.41E-07	1.27E-08	1.87E-07	2.80E-08	1.04E-07	9.12E-09	1.41E-07	3.17E-09	1.82E-08	2.17E-09	2.35E-08	2.88E-09	9.51E-09	6.56E-10	1.30E-08
5306	470090.14	3819864.59	3.43E-08	1.44E-07	1.30E-08	1.91E-07	2.86E-08	1.06E-07	9.31E-09	1.44E-07	3.24E-09	1.85E-08	2.21E-09	2.40E-08	2.95E-09	9.71E-09	6.69E-10	1.33E-08
5307	470081.43	3819860.83	3.45E-08	1.45E-07	1.30E-08	1.92E-07	2.87E-08	1.06E-07	9.36E-09	1.45E-07	3.26E-09	1.86E-08	2.22E-09	2.41E-08	2.96E-09	9.76E-09	6.73E-10	1.34E-08
5308	470072.72	3819857.06	3.46E-08	1.45E-07	1.31E-08	1.93E-07	2.88E-08	1.07E-07	9.39E-09	1.45E-07	3.27E-09	1.87E-08	2.23E-09	2.42E-08	2.97E-09	9.79E-09	6.75E-10	1.34E-08
5309	470064.01	3819853.29	3.46E-08	1.45E-07	1.31E-08	1.93E-07	2.89E-08	1.07E-07	9.40E-09	1.45E-07	3.27E-09	1.87E-08	2.23E-09	2.42E-08	2.97E-09	9.81E-09	6.76E-10	1.35E-08
5310	470098.85	3819868.36	3.41E-08	1.43E-07	1.29E-08	1.90E-07	2.84E-08	1.05E-07	9.25E-09	1.43E-07	3.22E-09	1.84E-08	2.20E-09	2.38E-08	2.93E-09	9.64E-09	6.65E-10	1.32E-08
5311	470108.55	3819868.49	3.42E-08	1.44E-07	1.29E-08	1.91E-07	2.85E-08	1.06E-07	9.29E-09	1.43E-07	3.23E-09	1.85E-08	2.21E-09	2.39E-08	2.94E-09	9.69E-09	6.68E-10	1.33E-08
5312	470118.25	3819868.63	3.43E-08	1.44E-07	1.30E-08	1.91E-07	2.86E-08	1.06E-07	9.31E-09	1.44E-07	3.24E-09	1.85E-08	2.21E-09	2.40E-08	2.94E-09	9.71E-09	6.69E-10	1.33E-08
5313	470127.95	3819868.76	3.43E-08	1.44E-07	1.30E-08	1.91E-07	2.86E-08	1.06E-07	9.32E-09	1.44E-07	3.24E-09	1.86E-08	2.21E-09	2.40E-08	2.95E-09	9.72E-09	6.70E-10	1.33E-08
5314	470137.64	3819868.9	3.43E-08	1.44E-07	1.30E-08	1.91E-07	2.86E-08	1.06E-07	9.30E-09	1.44E-07	3.24E-09	1.85E-08	2.21E-09	2.40E-08	2.94E-09	9.70E-09	6.69E-10	1.33E-08
5315	470147.34	3819869.03	3.42E-08	1.43E-07	1.29E-08	1.91E-07	2.85E-08	1.05E-07	9.28E-09	1.43E-07	3.23E-09	1.85E-08	2.20E-09	2.39E-08	2.93E-09	9.67E-09	6.67E-10	1.33E-08
5316	470157.04	3819869.17	3.40E-08	1.43E-07	1.29E-08	1.90E-07	2.83E-08	1.05E-07	9.23E-09	1.42E-07	3.21E-09	1.84E-08	2.19E-09	2.38E-08	2.92E-09	9.62E-09	6.63E-10	1.32E-08
5317	470166.73	3819869.3	3.38E-08	1.42E-07	1.28E-08	1.88E-07	2.81E-08	1.04E-07	9.17E-09	1.41E-07	3.19E-09	1.83E-08	2.18E-09	2.36E-08	2.90E-09	9.56E-09	6.59E-10	1.31E-08
5318	470176.43	3819869.44	3.35E-08	1.41E-07	1.27E-08	1.87E-07	2.79E-08	1.03E-07	9.09E-09	1.40E-07	3.16E-09	1.81E-08	2.16E-09	2.34E-08	2.87E-09	9.48E-09	6.53E-10	1.30E-08
5319	470186.13	3819869.57	3.31E-08	1.39E-07	1.25E-08	1.85E-07	2.76E-08	1.02E-07	9.00E-09	1.39E-07	3.13E-09	1.79E-08	2.14E-09	2.32E-08	2.85E-09	9.38E-09	6.47E-10	1.29E-08
5320	470195.83	3819869.71	3.28E-08	1.38E-07	1.24E-08	1.83E-07	2.73E-08	1.01E-07	8.89E-09	1.37E-07	3.09E-09	1.77E-08	2.11E-09	2.29E-08	2.81E-09	9.27E-09	6.39E-10	1.27E-08
5321	470205.52	3819869.84	3.23E-08	1.36E-07	1.22E-08	1.80E-07	2.69E-08	9.98E-08	8.78E-09	1.35E-07	3.05E-09	1.75E-08	2.09E-09	2.26E-08	2.78E-09	9.15E-09	6.31E-10	1.26E-08
5322	470215.22	3819869.98	3.19E-08	1.34E-07	1.20E-08	1.78E-07	2.65E-08	9.83E-08	8.65E-09	1.33E-07	3.01E-09	1.72E-08	2.05E-09	2.23E-08	2.73E-09	9.02E-09	6.22E-10	1.24E-08
5323	470224.92	3819870.11	3.13E-08	1.32E-07	1.19E-08	1.75E-07	2.61E-08	9.67E-08	8.51E-09	1.31E-07	2.96E-09	1.69E-08	2.02E-09	2.19E-08	2.69E-09	8.87E-09	6.12E-10	1.22E-08
5324	470234.61	3819870.25	3.08E-08	1.29E-07	1.17E-08	1.72E-07	2.57E-08	9.51E-08	8.37E-09	1.29E-07	2.91E-09	1.67E-08	1.99E-09	2.16E-08	2.65E-09	8.72E-09	6.01E-10	1.20E-08
5325	470244.31	3819870.38	3.03E-08	1.27E-07	1.15E-08	1.69E-07	2.52E-08	9.35E-08	8.22E-09	1.27E-07	2.86E-09	1.64E-08	1.95E-09	2.12E-08	2.60E-09	8.57E-09	5.91E-10	1.18E-08
5326	470254.01	3819870.52	2.97E-08	1.25E-07	1.12E-08	1.66E-07	2.48E-08	9.17E-08	8.07E-09	1.25E-07	2.81E-09	1.61E-08	1.92E-09	2.08E-08	2.55E-09	8.41E-09	5.80E-10	1.15E-08
5327	470263.71	3819870.65	2.92E-08	1.22E-07	1.10E-08	1.63E-07	2.43E-08	9.00E-08	7.92E-09	1.22E-07	2.75E-09	1.58E-08	1.88E-09	2.04E-08	2.50E-09	8.25E-09	5.69E-10	1.13E-08
5328	470089.53	3819904.56	3.01E-08	1.26E-07	1.14E-08	1.68E-07	2.51E-08	9.28E-08	8.17E-09	1.26E-07	2.84E-09	1.63E-08	1.94E-09	2.10E-08	2.58E-09	8.52E-09	5.87E-10	1.17E-08
5329	470080.76	3819900.77	3.03E-08	1.27E-07	1.14E-08	1.69E-07	2.52E-08	9.34E-08	8.21E-09	1.27E-07	2.86E-09	1.64E-08	1.95E-09	2.12E-08	2.60E-09	8.57E-09	5.90E-10	1.18E-08
5330	470072	3819896.98	3.04E-08	1.28E-07	1.15E-08	1.69E-07	2.53E-08	9.38E-08	8.25E-09	1.27E-07	2.87E-09	1.64E-08	1.96E-09	2.13E-08	2.61E-09	8.60E-09	5.93E-10	1.18E-08
5331	470063.23	3819893.19	3.05E-08	1.28E-07	1.15E-08	1.70E-07	2.54E-08	9.40E-08	8.27E-09	1.28E-07	2.88E-09	1.65E-08	1.96E-09	2.13E-08	2.61E-09	8.62E-09	5.94E-10	1.18E-08
5332	470098.3	3819908.36	2.99E-08	1.25E-07	1.13E-08	1.67E-07	2.49E-08	9.22E-08	8.11E-09	1.25E-07	2.82E-09	1.61E-08	1.93E-09	2.09E-08	2.56E-09	8.45E-09	5.83E-10	1.16E-08
5333	470107.99	3819908.49	3.00E-08	1.26E-07	1.13E-08	1.67E-07	2.49E-08	9.24E-08	8.13E-09	1.26E-07	2.83E-09	1.62E-08	1.93E-09	2.10E-08	2.57E-09	8.48E-09	5.84E-10	1.16E-08
5334	470117.69	3819908.63	3.00E-08	1.26E-07	1.13E-08	1.67E-07	2.50E-08	9.25E-08	8.14E-09	1.26E-07	2.83E-09	1.62E-08	1.93E-09	2.10E-08	2.57E-09	8.49E-09	5.85E-10	1.16E-08
5335	470127.39	3819908.76	3.00E-08	1.26E-07	1.13E-08	1.67E-07	2.50E-08	9.25E-08	8.14E-09	1.26E-07	2.83E-09	1.62E-08	1.93E-09	2.10E-08	2.57E-09	8.48E-09	5.85E-10	1.16E-08
5336	470137.09	3819908.9	2.99E-08	1.26E-07	1.13E-08	1.67E-07	2.49E-08	9.23E-08	8.12E-09	1.25E-07	2.82E-09	1.62E-08	1.93E-09	2.09E-08	2.57E-09	8.46E-09	5.83E-10	1.16E-08
5337	470146.78	3819909.03	2.98E-08	1.25E-07	1.13E-08	1.66E-07	2.48E-08	9.19E-08	8.09E-09	1.25E-07	2.81E-09	1.61E-08	1.92E-09	2.08E-08	2.56E-09	8.43E-09	5.81E-10	1.16E-08
5338	470156.48	3819909.17	2.96E-08	1.24E-07	1.12E-08	1.65E-07	2.47E-08	9.14E-08	8.04E-09	1.24E-07	2.80E-09	1.60E-08	1.91E-09	2.07E-08	2.54E-09	8.38E-09	5.78E-10	1.15E-08
5339	470166.18	3819909.3	2.94E-08	1.24E-07	1.11E-08	1.64E-07	2.45E-08	9.08E-08	7.98E-09	1.23E-07	2.78E-09	1.59E-08	1.90E-09	2.06E-08	2.52E-09	8.33E-09	5.74E-10	1.14E-08
5340	470175.87	3819909.44	2.92E-08	1.22E-07	1.10E-08	1.63E-07	2.43E-08	9.00E-08	7.92E-09	1.22E-07	2.75E-09	1.58E-08	1.88E-09	2.04E-08	2.50E-09	8.25E-09	5.69E-10	1.13E-08
5341	470185.57	3819909.57	2.89E-08	1.21E-07	1.09E-08	1.61E-07	2.40E-08	8.91E-08	7.84E-09	1.21E-07	2.73E-09	1.56E-08	1.86E-09	2.02E-08	2.48E-09	8.17E-09	5.63E-10	1.12E-08
5342	470195.27	3819909.71	2.85E-08	1.20E-07	1.08E-08	1.59E-07	2.38E-08	8.81E-08	7.75E-09	1.20E-07	2.70E-09	1.54E-08	1.84E-09	2.00E-08	2.45E-09	8.08E-09	5.57E-10	1.11E-08
5343	470204.97	3819909.84	2.82E-08	1.18E-07	1.07E-08	1.57E-07	2.35E-08	8.70E-08	7.65E-09	1.18E-07	2.66E-09	1.52E-08	1.82E-09	1.97E-08	2.42E-09	7.98E-09	5.50E-10	1.09E-08
5344	470214.66	3819909.98	2.78E-08	1.17E-07	1.05E-08	1.55E-07	2.32E-08	8.58E-08	7.55E-09	1.16E-07	2.62E-09	1.50E-08	1.79E-09	1.94E-08	2.39E-09	7.87E-09	5.42E-10	1.08E-08
5345	470224.36	3819910.11	2.74E-08	1.15E-07	1.04E-08	1.53E-07	2.28E-08	8.45E-08	7.43E-09	1.15E-07	2.59E-09	1.48E-08	1.77E-09	1.92E-08	2.35E-09	7.75E-09	5.34E-10	1.06E-08
5346	470234.06	3819910.25	2.69E-08	1.13E-07	1.02E-08	1.50E-07	2.24E-08	8.32E-08	7.32E-09	1.13E-07	2.54E-09	1.46E-08	1.74E-09	1.89E-08	2.31E-09	7.63E-09	5.26E-10	1.05E-08
5347	470243.76	3819910.38	2.65E-08	1.11E-07	1.00E-08	1.48E-07	2.21E-08	8.18E-08	7.20E-09	1.11E-07	2.50E-09	1.43E-08	1.71E-09	1.85E-08	2.28E-09	7.50E-09	5.17E-10	1.03E-08
5348	470253.45	3819910.52	2.61E-08	1.09E-07	9.86E-09	1.45E-07	2.17E-08	8.04E-08	7.07E-09	1.09E-07	2.46E-09	1.41E-08	1.68E-09	1.82E-08	2.24E-09	7.38E-09	5.09E-10	1.01E-08
5349	470263.15	3819910.65	2.56E-08	1.08E-07	9.68E-09	1.43E-07	2.13E-08	7.90E-08	6.95E-09	1.07E-07	2.42E-09	1.38E-08	1.65E-09	1.79E-08	2.20E-09	7.25E-09	5.00E-10	9.94E-09
5350	470088.93	3819944.54	2.66E-08	1.12E-07	1.01E-08	1.49E-07	2.22E-08	8.22E-08	7.23E-09	1.12E-07	2.51E-09	1.44E-08	1.72E-09	1.86E-08	2.29E-09	7.54E-09	5.20E-10	1.03E-08
5351	470080.11	3819940.73	2.68E-08	1.13E-07	1.01E-08	1.49E-07	2.23E-08	8.27E-08	7.27E-09	1.12E-07	2.53E-09	1.45E-08	1.73E-09	1.87E-08	2.30E-09	7.58E-09	5.23E-10	1.04E-08

5352	470071.3	3819936.92	2.69E-08	1.13E-07	1.02E-08	1.50E-07	2.24E-08	8.31E-08	7.31E-09	1.13E-07	2.54E-09	1.46E-08	1.74E-09	1.88E-08	2.31E-09	7.62E-09	5.25E-10	1.05E-08
5353	470062.49	3819933.11	2.70E-08	1.13E-07	1.02E-08	1.51E-07	2.25E-08	8.34E-08	7.34E-09	1.13E-07	2.55E-09	1.46E-08	1.74E-09	1.89E-08	2.32E-09	7.65E-09	5.27E-10	1.05E-08
5354	469608.31	3819447.33	4.41E-09	1.85E-08	1.67E-09	2.46E-08	3.68E-09	1.36E-08	1.20E-09	1.85E-08	4.17E-10	2.39E-09	2.85E-10	3.09E-09	3.79E-10	1.25E-09	8.61E-11	1.71E-09
5355	470097.74	3819948.35	2.64E-08	1.11E-07	9.99E-09	1.47E-07	2.20E-08	8.15E-08	7.17E-09	1.11E-07	2.49E-09	1.43E-08	1.70E-09	1.85E-08	2.27E-09	7.48E-09	5.15E-10	1.03E-08
5356	470107.44	3819948.49	2.65E-08	1.11E-07	1.00E-08	1.48E-07	2.20E-08	8.16E-08	7.18E-09	1.11E-07	2.50E-09	1.43E-08	1.71E-09	1.85E-08	2.27E-09	7.49E-09	5.16E-10	1.03E-08
5357	470117.13	3819948.62	2.65E-08	1.11E-07	1.00E-08	1.48E-07	2.20E-08	8.16E-08	7.18E-09	1.11E-07	2.50E-09	1.43E-08	1.71E-09	1.85E-08	2.27E-09	7.49E-09	5.16E-10	1.03E-08
5358	470126.83	3819948.76	2.64E-08	1.11E-07	9.99E-09	1.47E-07	2.20E-08	8.15E-08	7.17E-09	1.11E-07	2.49E-09	1.43E-08	1.70E-09	1.85E-08	2.27E-09	7.48E-09	5.15E-10	1.03E-08
5359	470136.53	3819948.89	2.63E-08	1.11E-07	9.96E-09	1.47E-07	2.19E-08	8.13E-08	7.15E-09	1.10E-07	2.49E-09	1.42E-08	1.70E-09	1.84E-08	2.26E-09	7.45E-09	5.14E-10	1.02E-08
5360	470146.23	3819949.03	2.62E-08	1.10E-07	9.92E-09	1.46E-07	2.18E-08	8.09E-08	7.12E-09	1.10E-07	2.48E-09	1.42E-08	1.69E-09	1.83E-08	2.25E-09	7.42E-09	5.12E-10	1.02E-08
5361	470155.92	3819949.16	2.61E-08	1.09E-07	9.86E-09	1.45E-07	2.17E-08	8.04E-08	7.07E-09	1.09E-07	2.46E-09	1.41E-08	1.68E-09	1.82E-08	2.24E-09	7.38E-09	5.09E-10	1.01E-08
5362	470165.62	3819949.3	2.59E-08	1.09E-07	9.78E-09	1.44E-07	2.15E-08	7.98E-08	7.02E-09	1.08E-07	2.44E-09	1.40E-08	1.67E-09	1.81E-08	2.22E-09	7.32E-09	5.05E-10	1.00E-08
5363	470175.32	3819949.43	2.56E-08	1.08E-07	9.70E-09	1.43E-07	2.14E-08	7.91E-08	6.96E-09	1.07E-07	2.42E-09	1.39E-08	1.65E-09	1.79E-08	2.20E-09	7.26E-09	5.00E-10	9.96E-09
5364	470185.01	3819949.57	2.54E-08	1.07E-07	9.61E-09	1.42E-07	2.12E-08	7.84E-08	6.89E-09	1.06E-07	2.40E-09	1.37E-08	1.64E-09	1.78E-08	2.18E-09	7.19E-09	4.96E-10	9.87E-09
5365	470194.71	3819949.7	2.51E-08	1.06E-07	9.50E-09	1.40E-07	2.09E-08	7.75E-08	6.82E-09	1.05E-07	2.37E-09	1.36E-08	1.62E-09	1.76E-08	2.16E-09	7.11E-09	4.90E-10	9.76E-09
5366	470204.41	3819949.84	2.48E-08	1.04E-07	9.39E-09	1.38E-07	2.07E-08	7.66E-08	6.74E-09	1.04E-07	2.34E-09	1.34E-08	1.60E-09	1.74E-08	2.13E-09	7.03E-09	4.84E-10	9.64E-09
5367	470214.11	3819949.97	2.45E-08	1.03E-07	9.27E-09	1.37E-07	2.04E-08	7.56E-08	6.65E-09	1.03E-07	2.31E-09	1.32E-08	1.58E-09	1.71E-08	2.10E-09	6.94E-09	4.78E-10	9.52E-09
5368	470223.8	3819950.11	2.42E-08	1.01E-07	9.14E-09	1.35E-07	2.01E-08	7.46E-08	6.56E-09	1.01E-07	2.28E-09	1.31E-08	1.56E-09	1.69E-08	2.07E-09	6.84E-09	4.72E-10	9.39E-09
5369	470233.5	3819950.24	2.38E-08	1.00E-07	9.01E-09	1.33E-07	1.98E-08	7.35E-08	6.46E-09	9.98E-08	2.25E-09	1.29E-08	1.54E-09	1.67E-08	2.04E-09	6.74E-09	4.65E-10	9.25E-09
5370	470243.2	3819950.38	2.34E-08	9.84E-08	8.86E-09	1.31E-07	1.95E-08	7.23E-08	6.36E-09	9.82E-08	2.21E-09	1.27E-08	1.51E-09	1.64E-08	2.01E-09	6.63E-09	4.57E-10	9.10E-09
5371	470252.9	3819950.51	2.31E-08	9.68E-08	8.72E-09	1.29E-07	1.92E-08	7.12E-08	6.26E-09	9.66E-08	2.18E-09	1.25E-08	1.49E-09	1.61E-08	1.98E-09	6.53E-09	4.50E-10	8.96E-09
5372	470262.59	3819950.65	2.27E-08	9.52E-08	8.57E-09	1.26E-07	1.89E-08	7.00E-08	6.15E-09	9.50E-08	2.14E-09	1.23E-08	1.46E-09	1.59E-08	1.95E-09	6.42E-09	4.42E-10	8.81E-09
5373	470088.33	3819984.52	2.37E-08	9.96E-08	8.97E-09	1.32E-07	1.98E-08	7.32E-08	6.44E-09	9.94E-08	2.24E-09	1.28E-08	1.53E-09	1.66E-08	2.04E-09	6.71E-09	4.63E-10	9.21E-09
5374	470079.47	3819980.69	2.39E-08	1.00E-07	9.03E-09	1.33E-07	1.99E-08	7.37E-08	6.48E-09	1.00E-07	2.26E-09	1.29E-08	1.54E-09	1.67E-08	2.05E-09	6.76E-09	4.66E-10	9.28E-09
5375	470070.62	3819976.86	2.40E-08	1.01E-07	9.09E-09	1.34E-07	2.00E-08	7.41E-08	6.52E-09	1.01E-07	2.27E-09	1.30E-08	1.55E-09	1.68E-08	2.06E-09	6.80E-09	4.69E-10	9.33E-09
5376	470061.76	3819973.03	2.41E-08	1.01E-07	9.13E-09	1.35E-07	2.01E-08	7.45E-08	6.55E-09	1.01E-07	2.28E-09	1.30E-08	1.56E-09	1.69E-08	2.07E-09	6.83E-09	4.71E-10	9.37E-09
5377	469607.12	3819545.34	6.16E-09	2.58E-08	2.33E-09	3.43E-08	5.13E-09	1.90E-08	1.67E-09	2.58E-08	5.81E-10	3.33E-09	3.97E-10	4.31E-09	5.28E-10	1.74E-09	1.20E-10	2.39E-09
5378	469603.6	3819536.36	5.88E-09	2.47E-08	2.22E-09	3.28E-08	4.89E-09	1.81E-08	1.59E-09	2.46E-08	5.55E-10	3.18E-09	3.79E-10	4.11E-09	5.04E-10	1.66E-09	1.15E-10	2.28E-09
5379	469600.07	3819527.38	5.60E-09	2.35E-08	2.12E-09	3.13E-08	4.67E-09	1.73E-08	1.52E-09	2.35E-08	5.29E-10	3.03E-09	3.61E-10	3.92E-09	4.81E-10	1.59E-09	1.09E-10	2.18E-09
5380	469596.54	3819518.4	5.35E-09	2.25E-08	2.02E-09	2.98E-08	4.45E-09	1.65E-08	1.45E-09	2.24E-08	5.05E-10	2.89E-09	3.45E-10	3.74E-09	4.59E-10	1.51E-09	1.04E-10	2.08E-09
5381	469593.02	3819509.42	5.10E-09	2.14E-08	1.93E-09	2.85E-08	4.25E-09	1.57E-08	1.39E-09	2.14E-08	4.82E-10	2.76E-09	3.29E-10	3.57E-09	4.38E-10	1.44E-09	9.96E-11	1.98E-09
5382	469589.49	3819500.45	4.87E-09	2.05E-08	1.84E-09	2.72E-08	4.06E-09	1.50E-08	1.32E-09	2.04E-08	4.60E-10	2.63E-09	3.14E-10	3.41E-09	4.18E-10	1.38E-09	9.51E-11	1.89E-09
5383	469585.97	3819491.47	4.65E-09	1.95E-08	1.76E-09	2.59E-08	3.87E-09	1.43E-08	1.26E-09	1.95E-08	4.39E-10	2.51E-09	3.00E-10	3.25E-09	3.99E-10	1.32E-09	9.07E-11	1.81E-09
5384	469582.44	3819482.49	4.44E-09	1.86E-08	1.68E-09	2.47E-08	3.70E-09	1.37E-08	1.20E-09	1.86E-08	4.19E-10	2.40E-09	2.86E-10	3.10E-09	3.81E-10	1.26E-09	8.66E-11	1.72E-09
5385	469578.91	3819473.51	4.24E-09	1.78E-08	1.60E-09	2.36E-08	3.53E-09	1.31E-08	1.15E-09	1.77E-08	4.00E-10	2.29E-09	2.73E-10	2.96E-09	3.64E-10	1.20E-09	8.27E-11	1.65E-09
5386	469575.39	3819464.53	4.05E-09	1.70E-08	1.53E-09	2.26E-08	3.37E-09	1.25E-08	1.10E-09	1.70E-08	3.82E-10	2.19E-09	2.61E-10	2.83E-09	3.47E-10	1.15E-09	7.89E-11	1.57E-09
5387	469571.86	3819455.55	3.87E-09	1.62E-08	1.46E-09	2.16E-08	3.22E-09	1.19E-08	1.05E-09	1.62E-08	3.65E-10	2.09E-09	2.49E-10	2.70E-09	3.32E-10	1.09E-09	7.54E-11	1.50E-09
5388	469568.33	3819446.57	3.70E-09	1.55E-08	1.40E-09	2.06E-08	3.08E-09	1.14E-08	1.00E-09	1.55E-08	3.49E-10	2.00E-09	2.38E-10	2.59E-09	3.17E-10	1.05E-09	7.21E-11	1.44E-09
5389	470097.18	3819988.35	2.35E-08	9.87E-08	8.89E-09	1.31E-07	1.96E-08	7.26E-08	6.38E-09	9.85E-08	2.22E-09	1.27E-08	1.52E-09	1.64E-08	2.02E-09	6.66E-09	4.59E-10	9.13E-09
5390	470106.88	3819988.48	2.35E-08	9.88E-08	8.90E-09	1.31E-07	1.96E-08	7.26E-08	6.39E-09	9.86E-08	2.22E-09	1.27E-08	1.52E-09	1.65E-08	2.02E-09	6.66E-09	4.59E-10	9.14E-09
5391	470116.58	3819988.62	2.35E-08	9.87E-08	8.89E-09	1.31E-07	1.96E-08	7.25E-08	6.38E-09	9.85E-08	2.22E-09	1.27E-08	1.52E-09	1.64E-08	2.02E-09	6.65E-09	4.59E-10	9.13E-09
5392	470126.27	3819988.75	2.35E-08	9.85E-08	8.87E-09	1.31E-07	1.95E-08	7.24E-08	6.37E-09	9.83E-08	2.21E-09	1.27E-08	1.51E-09	1.64E-08	2.01E-09	6.64E-09	4.58E-10	9.11E-09
5393	470135.97	3819988.89	2.34E-08	9.82E-08	8.84E-09	1.30E-07	1.95E-08	7.21E-08	6.35E-09	9.79E-08	2.21E-09	1.26E-08	1.51E-09	1.64E-08	2.01E-09	6.62E-09	4.56E-10	9.08E-09
5394	470145.67	3819989.02	2.33E-08	9.77E-08	8.80E-09	1.30E-07	1.94E-08	7.18E-08	6.31E-09	9.75E-08	2.20E-09	1.26E-08	1.50E-09	1.63E-08	2.00E-09	6.58E-09	4.54E-10	9.03E-09
5395	470155.37	3819989.16	2.31E-08	9.71E-08	8.74E-09	1.29E-07	1.93E-08	7.13E-08	6.27E-09	9.68E-08	2.18E-09	1.25E-08	1.49E-09	1.62E-08	1.98E-09	6.54E-09	4.51E-10	8.98E-09
5396	470165.06	3819989.29	2.29E-08	9.63E-08	8.68E-09	1.28E-07	1.91E-08	7.08E-08	6.23E-09	9.61E-08	2.17E-09	1.24E-08	1.48E-09	1.60E-08	1.97E-09	6.49E-09	4.48E-10	8.91E-09
5397	470174.76	3819989.43	2.27E-08	9.55E-08	8.60E-09	1.27E-07	1.89E-08	7.02E-08	6.17E-09	9.53E-08	2.15E-09	1.23E-08	1.47E-09	1.59E-08	1.95E-09	6.44E-09	4.44E-10	8.83E-09
5398	470184.46	3819989.56	2.25E-08	9.46E-08	8.52E-09	1.26E-07	1.88E-08	6.95E-08	6.11E-09	9.44E-08	2.13E-09	1.22E-08	1.45E-09	1.58E-08	1.93E-09	6.37E-09	4.39E-10	8.75E-09
5399	470194.16	3819989.7	2.23E-08	9.36E-08	8.43E-09	1.24E-07	1.86E-08	6.88E-08	6.05E-09	9.34E-08	2.10E-09	1.20E-08	1.44E-09	1.56E-08	1.91E-09	6.31E-09	4.35E-10	8.65E-09
5400	470203.85	3819989.83	2.20E-08	9.25E-08	8.33E-09	1.23E-07	1.83E-08	6.80E-08	5.98E-09	9.23E-08	2.08E-09	1.19E-08	1.42E-09	1.54E-08	1.89E-09	6.23E-09	4.30E-10	8.55E-09
5401	470213.55	3819989.97	2.18E-08	9.13E-08	8.23E-09	1.21E-07	1.81E-08	6.71E-08	5.90E-09	9.11E-08	2.05E-09	1.18E-08	1.40E-09	1.52E-08	1.87E-09	6.16E-09	4.24E-10	8.45E-09
5402	470223.25	3819990.1	2.15E-08	9.01E-08	8.12E-09	1.20E-07	1.79E-08	6.62E-08	5.83E-09	8.99E-08	2.03E-09	1.16E-08	1.38E-09	1.50E-08	1.84E-09	6.08E-09	4.19E-10	8.34E-09

5403	470232.94	3819990.24	2.12E-08	8.89E-08	8.01E-09	1.18E-07	1.76E-08	6.53E-08	5.75E-09	8.87E-08	2.00E-09	1.14E-08	1.37E-09	1.48E-08	1.82E-09	5.99E-09	4.13E-10	8.22E-09
5404	470242.64	3819990.37	2.09E-08	8.76E-08	7.89E-09	1.16E-07	1.74E-08	6.44E-08	5.66E-09	8.74E-08	1.97E-09	1.13E-08	1.35E-09	1.46E-08	1.79E-09	5.91E-09	4.07E-10	8.10E-09
5405	470252.34	3819990.51	2.05E-08	8.63E-08	7.77E-09	1.15E-07	1.71E-08	6.34E-08	5.58E-09	8.61E-08	1.94E-09	1.11E-08	1.33E-09	1.44E-08	1.76E-09	5.82E-09	4.01E-10	7.98E-09
5406	470262.04	3819990.64	2.02E-08	8.49E-08	7.65E-09	1.13E-07	1.68E-08	6.24E-08	5.49E-09	8.48E-08	1.91E-09	1.09E-08	1.30E-09	1.41E-08	1.74E-09	5.73E-09	3.95E-10	7.86E-09
5407	470069.96	3820016.81	2.16E-08	9.07E-08	8.17E-09	1.20E-07	1.80E-08	6.67E-08	5.86E-09	9.05E-08	2.04E-09	1.17E-08	1.39E-09	1.51E-08	1.85E-09	6.12E-09	4.22E-10	8.39E-09
5408	470061.07	3820012.97	2.17E-08	9.12E-08	8.21E-09	1.21E-07	1.81E-08	6.70E-08	5.89E-09	9.10E-08	2.05E-09	1.17E-08	1.40E-09	1.52E-08	1.86E-09	6.15E-09	4.24E-10	8.43E-09
5409	469595.63	3819617.1	7.15E-09	3.00E-08	2.70E-09	3.99E-08	5.96E-09	2.21E-08	1.94E-09	3.00E-08	6.75E-10	3.87E-09	4.61E-10	5.00E-09	6.14E-10	2.02E-09	1.40E-10	2.78E-09
5410	469592.09	3819608.08	6.87E-09	2.88E-08	2.60E-09	3.83E-08	5.72E-09	2.12E-08	1.86E-09	2.88E-08	6.49E-10	3.71E-09	4.43E-10	4.81E-09	5.90E-10	1.94E-09	1.34E-10	2.67E-09
5411	469588.54	3819599.07	6.59E-09	2.77E-08	2.49E-09	3.68E-08	5.49E-09	2.03E-08	1.79E-09	2.76E-08	6.23E-10	3.56E-09	4.25E-10	4.61E-09	5.66E-10	1.87E-09	1.29E-10	2.56E-09
5412	469585	3819590.05	6.32E-09	2.66E-08	2.39E-09	3.53E-08	5.27E-09	1.95E-08	1.72E-09	2.65E-08	5.97E-10	3.42E-09	4.08E-10	4.42E-09	5.43E-10	1.79E-09	1.23E-10	2.46E-09
5413	469581.46	3819581.04	6.07E-09	2.55E-08	2.29E-09	3.38E-08	5.05E-09	1.87E-08	1.65E-09	2.54E-08	5.73E-10	3.28E-09	3.91E-10	4.24E-09	5.21E-10	1.72E-09	1.18E-10	2.36E-09
5414	469577.92	3819572.02	5.82E-09	2.44E-08	2.20E-09	3.24E-08	4.84E-09	1.79E-08	1.58E-09	2.44E-08	5.49E-10	3.14E-09	3.75E-10	4.07E-09	4.99E-10	1.65E-09	1.13E-10	2.26E-09
5415	469574.38	3819563.01	5.57E-09	2.34E-08	2.11E-09	3.11E-08	4.64E-09	1.72E-08	1.51E-09	2.33E-08	5.26E-10	3.01E-09	3.59E-10	3.90E-09	4.78E-10	1.58E-09	1.09E-10	2.16E-09
5416	469570.84	3819553.99	5.33E-09	2.24E-08	2.02E-09	2.97E-08	4.44E-09	1.64E-08	1.45E-09	2.23E-08	5.03E-10	2.88E-09	3.44E-10	3.73E-09	4.58E-10	1.51E-09	1.04E-10	2.07E-09
5417	469567.3	3819544.98	5.10E-09	2.14E-08	1.93E-09	2.84E-08	4.25E-09	1.57E-08	1.38E-09	2.14E-08	4.82E-10	2.76E-09	3.29E-10	3.57E-09	4.38E-10	1.44E-09	9.95E-11	1.98E-09
5418	469563.76	3819535.96	4.88E-09	2.05E-08	1.84E-09	2.72E-08	4.06E-09	1.51E-08	1.32E-09	2.04E-08	4.61E-10	2.64E-09	3.15E-10	3.41E-09	4.19E-10	1.38E-09	9.52E-11	1.89E-09
5419	469560.22	3819526.94	4.66E-09	1.96E-08	1.76E-09	2.60E-08	3.88E-09	1.44E-08	1.27E-09	1.95E-08	4.40E-10	2.52E-09	3.01E-10	3.26E-09	4.00E-10	1.32E-09	9.10E-11	1.81E-09
5420	469556.68	3819517.93	4.46E-09	1.87E-08	1.69E-09	2.49E-08	3.71E-09	1.38E-08	1.21E-09	1.87E-08	4.21E-10	2.41E-09	2.88E-10	3.12E-09	3.83E-10	1.26E-09	8.70E-11	1.73E-09
5421	469553.14	3819508.91	4.26E-09	1.79E-08	1.61E-09	2.38E-08	3.55E-09	1.32E-08	1.16E-09	1.79E-08	4.03E-10	2.30E-09	2.75E-10	2.98E-09	3.66E-10	1.21E-09	8.32E-11	1.66E-09
5422	469549.6	3819499.9	4.08E-09	1.71E-08	1.54E-09	2.27E-08	3.40E-09	1.26E-08	1.11E-09	1.71E-08	3.85E-10	2.20E-09	2.63E-10	2.85E-09	3.50E-10	1.15E-09	7.95E-11	1.58E-09
5423	469546.06	3819490.88	3.90E-09	1.64E-08	1.47E-09	2.17E-08	3.25E-09	1.20E-08	1.06E-09	1.63E-08	3.68E-10	2.11E-09	2.51E-10	2.73E-09	3.35E-10	1.10E-09	7.61E-11	1.51E-09
5424	469542.52	3819481.87	3.73E-09	1.57E-08	1.41E-09	2.08E-08	3.11E-09	1.15E-08	1.01E-09	1.56E-08	3.52E-10	2.02E-09	2.41E-10	2.61E-09	3.20E-10	1.06E-09	7.28E-11	1.45E-09
5425	469538.98	3819472.85	3.57E-09	1.50E-08	1.35E-09	1.99E-08	2.97E-09	1.10E-08	9.69E-10	1.50E-08	3.37E-10	1.93E-09	2.30E-10	2.50E-09	3.06E-10	1.01E-09	6.96E-11	1.39E-09
5426	469535.44	3819463.84	3.42E-09	1.43E-08	1.29E-09	1.91E-08	2.85E-09	1.05E-08	9.27E-10	1.43E-08	3.23E-10	1.85E-09	2.20E-10	2.39E-09	2.93E-10	9.67E-10	6.67E-11	1.33E-09
5427	469531.9	3819454.82	3.27E-09	1.37E-08	1.24E-09	1.83E-08	2.73E-09	1.01E-08	8.88E-10	1.37E-08	3.09E-10	1.77E-09	2.11E-10	2.29E-09	2.81E-10	9.26E-10	6.39E-11	1.27E-09
5428	469528.36	3819445.8	3.14E-09	1.32E-08	1.19E-09	1.75E-08	2.61E-09	9.68E-09	8.52E-10	1.31E-08	2.96E-10	1.70E-09	2.02E-10	2.19E-09	2.69E-10	8.88E-10	6.12E-11	1.22E-09
5429	470087.33	3820064.56	1.92E-08	8.08E-08	7.27E-09	1.07E-07	1.60E-08	5.93E-08	5.22E-09	8.06E-08	1.82E-09	1.04E-08	1.24E-09	1.35E-08	1.65E-09	5.44E-09	3.75E-10	7.47E-09
5430	470078.58	3820060.78	1.94E-08	8.14E-08	7.33E-09	1.08E-07	1.61E-08	5.98E-08	5.26E-09	8.12E-08	1.83E-09	1.05E-08	1.25E-09	1.36E-08	1.66E-09	5.49E-09	3.78E-10	7.53E-09
5431	470069.84	3820057	1.95E-08	8.20E-08	7.38E-09	1.09E-07	1.63E-08	6.02E-08	5.30E-09	8.18E-08	1.84E-09	1.06E-08	1.26E-09	1.37E-08	1.68E-09	5.52E-09	3.81E-10	7.58E-09
5432	470061.1	3820053.22	1.96E-08	8.24E-08	7.42E-09	1.09E-07	1.63E-08	6.06E-08	5.33E-09	8.22E-08	1.85E-09	1.06E-08	1.27E-09	1.37E-08	1.68E-09	5.56E-09	3.83E-10	7.62E-09
5433	470052.35	3820049.44	1.97E-08	8.28E-08	7.45E-09	1.10E-07	1.64E-08	6.08E-08	5.35E-09	8.26E-08	1.86E-09	1.07E-08	1.27E-09	1.38E-08	1.69E-09	5.58E-09	3.85E-10	7.66E-09
5434	469667.66	3819883.08	1.14E-08	4.81E-08	4.33E-09	6.38E-08	9.53E-09	3.53E-08	3.11E-09	4.80E-08	1.08E-09	6.19E-09	7.38E-10	8.01E-09	9.83E-10	3.24E-09	2.23E-10	4.45E-09
5435	469655.44	3819870.44	1.11E-08	4.67E-08	4.21E-09	6.21E-08	9.27E-09	3.43E-08	3.02E-09	4.66E-08	1.05E-09	6.02E-09	7.18E-10	7.79E-09	9.56E-10	3.15E-09	2.17E-10	4.32E-09
5436	469651.95	3819861.57	1.11E-08	4.65E-08	4.18E-09	6.17E-08	9.22E-09	3.41E-08	3.00E-09	4.64E-08	1.04E-09	5.98E-09	7.14E-10	7.74E-09	9.50E-10	3.13E-09	2.16E-10	4.30E-09
5437	469648.47	3819852.7	1.10E-08	4.61E-08	4.16E-09	6.13E-08	9.15E-09	3.39E-08	2.98E-09	4.60E-08	1.04E-09	5.94E-09	7.09E-10	7.69E-09	9.43E-10	3.11E-09	2.14E-10	4.27E-09
5438	469644.99	3819843.84	1.09E-08	4.58E-08	4.12E-09	6.08E-08	9.08E-09	3.36E-08	2.96E-09	4.57E-08	1.03E-09	5.89E-09	7.03E-10	7.63E-09	9.36E-10	3.09E-09	2.13E-10	4.23E-09
5439	469557.94	3819622.18	6.10E-09	2.56E-08	2.31E-09	3.40E-08	5.08E-09	1.88E-08	1.66E-09	2.56E-08	5.76E-10	3.30E-09	3.94E-10	4.27E-09	5.24E-10	1.73E-09	1.19E-10	2.37E-09
5440	469554.46	3819613.31	5.87E-09	2.47E-08	2.22E-09	3.28E-08	4.89E-09	1.81E-08	1.59E-09	2.46E-08	5.55E-10	3.18E-09	3.79E-10	4.11E-09	5.04E-10	1.66E-09	1.15E-10	2.28E-09
5441	469550.98	3819604.45	5.65E-09	2.37E-08	2.14E-09	3.15E-08	4.71E-09	1.74E-08	1.53E-09	2.37E-08	5.34E-10	3.05E-09	3.64E-10	3.95E-09	4.85E-10	1.60E-09	1.10E-10	2.19E-09
5442	469547.5	3819595.58	5.43E-09	2.28E-08	2.05E-09	3.03E-08	4.52E-09	1.68E-08	1.47E-09	2.28E-08	5.13E-10	2.94E-09	3.50E-10	3.80E-09	4.66E-10	1.54E-09	1.06E-10	2.11E-09
5443	469544.02	3819586.72	5.22E-09	2.19E-08	1.97E-09	2.91E-08	4.35E-09	1.61E-08	1.42E-09	2.19E-08	4.93E-10	2.82E-09	3.37E-10	3.65E-09	4.48E-10	1.48E-09	1.02E-10	2.03E-09
5444	469540.53	3819577.85	5.01E-09	2.10E-08	1.89E-09	2.79E-08	4.17E-09	1.55E-08	1.36E-09	2.10E-08	4.73E-10	2.71E-09	3.23E-10	3.50E-09	4.30E-10	1.42E-09	9.78E-11	1.95E-09
5445	469537.05	3819568.98	4.81E-09	2.02E-08	1.82E-09	2.68E-08	4.00E-09	1.48E-08	1.30E-09	2.01E-08	4.54E-10	2.60E-09	3.10E-10	3.36E-09	4.13E-10	1.36E-09	9.38E-11	1.87E-09
5446	469533.57	3819560.12	4.61E-09	1.93E-08	1.74E-09	2.57E-08	3.84E-09	1.42E-08	1.25E-09	1.93E-08	4.35E-10	2.49E-09	2.97E-10	3.22E-09	3.96E-10	1.30E-09	8.99E-11	1.79E-09
5447	469530.09	3819551.25	4.41E-09	1.85E-08	1.67E-09	2.46E-08	3.68E-09	1.36E-08	1.20E-09	1.85E-08	4.17E-10	2.39E-09	2.85E-10	3.09E-09	3.79E-10	1.25E-09	8.61E-11	1.71E-09
5448	469526.61	3819542.38	4.23E-09	1.78E-08	1.60E-09	2.36E-08	3.52E-09	1.31E-08	1.15E-09	1.77E-08	3.99E-10	2.29E-09	2.73E-10	2.96E-09	3.63E-10	1.20E-09	8.25E-11	1.64E-09
5449	469523.12	3819533.52	4.05E-09	1.70E-08	1.53E-09	2.26E-08	3.37E-09	1.25E-08	1.10E-09	1.70E-08	3.83E-10	2.19E-09	2.61E-10	2.83E-09	3.48E-10	1.15E-09	7.91E-11	1.57E-09
5450	469519.64	3819524.65	3.88E-09	1.63E-08	1.47E-09	2.16E-08	3.23E-09	1.20E-08	1.05E-09	1.63E-08	3.66E-10	2.10E-09	2.50E-10	2.71E-09	3.33E-10	1.10E-09	7.57E-11	1.51E-09
5451	469516.16	3819515.79	3.72E-09	1.56E-08	1.41E-09	2.07E-08	3.10E-09	1.15E-08	1.01E-09	1.56E-08	3.51E-10	2.01E-09	2.40E-10	2.60E-09	3.19E-10	1.05E-09	7.25E-11	1.44E-09
5452	469512.68	3819506.92	3.56E-09	1.50E-08	1.35E-09	1.99E-08	2.97E-09	1.10E-08	9.67E-10	1.49E-08	3.36E-10	1.93E-09	2.30E-10	2.49E-09	3.06E-10	1.01E-09	6.95E-11	1.38E-09
5453	469509.2	3819498.05	3.41E-09	1.43E-08	1.29E-09	1.90E-08	2.84E-09	1.05E-08	9.26E-10	1.43E-08	3.22E-10	1.84E-09	2.20E-10	2.39E-09	2.93E-10	9.66E-10	6.66E-11	1.33E-09

5454	469505.72	3819489.19	3.28E-09	1.38E-08	1.24E-09	1.83E-08	2.73E-09	1.01E-08	8.89E-10	1.37E-08	3.09E-10	1.77E-09	2.11E-10	2.29E-09	2.81E-10	9.27E-10	6.39E-11	1.27E-09
5455	469502.23	3819480.32	3.15E-09	1.32E-08	1.19E-09	1.76E-08	2.62E-09	9.71E-09	8.54E-10	1.32E-08	2.97E-10	1.70E-09	2.03E-10	2.20E-09	2.70E-10	8.91E-10	6.14E-11	1.22E-09
5456	469498.75	3819471.45	3.02E-09	1.27E-08	1.14E-09	1.69E-08	2.52E-09	9.33E-09	8.21E-10	1.27E-08	2.85E-10	1.63E-09	1.95E-10	2.11E-09	2.60E-10	8.56E-10	5.90E-11	1.17E-09
5457	469495.27	3819462.59	2.90E-09	1.22E-08	1.10E-09	1.62E-08	2.42E-09	8.96E-09	7.88E-10	1.22E-08	2.74E-10	1.57E-09	1.87E-10	2.03E-09	2.49E-10	8.22E-10	5.67E-11	1.13E-09
5458	469491.79	3819453.72	2.79E-09	1.17E-08	1.05E-09	1.56E-08	2.32E-09	8.60E-09	7.57E-10	1.17E-08	2.63E-10	1.51E-09	1.80E-10	1.95E-09	2.39E-10	7.89E-10	5.44E-11	1.08E-09
5459	469488.31	3819444.85	2.68E-09	1.13E-08	1.01E-09	1.49E-08	2.23E-09	8.27E-09	7.27E-10	1.12E-08	2.53E-10	1.45E-09	1.73E-10	1.87E-09	2.30E-10	7.59E-10	5.23E-11	1.04E-09
5460	470096.07	3820068.34	1.91E-08	8.00E-08	7.21E-09	1.06E-07	1.59E-08	5.88E-08	5.17E-09	7.99E-08	1.80E-09	1.03E-08	1.23E-09	1.33E-08	1.64E-09	5.40E-09	3.72E-10	7.40E-09
5461	470105.77	3820068.47	1.90E-08	8.00E-08	7.20E-09	1.06E-07	1.59E-08	5.87E-08	5.17E-09	7.98E-08	1.80E-09	1.03E-08	1.23E-09	1.33E-08	1.63E-09	5.39E-09	3.71E-10	7.40E-09
5462	470115.46	3820068.61	1.90E-08	7.98E-08	7.18E-09	1.06E-07	1.58E-08	5.86E-08	5.16E-09	7.96E-08	1.79E-09	1.03E-08	1.23E-09	1.33E-08	1.63E-09	5.38E-09	3.71E-10	7.38E-09
5463	470125.16	3820068.74	1.89E-08	7.95E-08	7.16E-09	1.06E-07	1.58E-08	5.84E-08	5.14E-09	7.93E-08	1.79E-09	1.02E-08	1.22E-09	1.32E-08	1.62E-09	5.36E-09	3.69E-10	7.35E-09
5464	470134.86	3820068.88	1.88E-08	7.91E-08	7.12E-09	1.05E-07	1.57E-08	5.81E-08	5.11E-09	7.89E-08	1.78E-09	1.02E-08	1.22E-09	1.32E-08	1.62E-09	5.33E-09	3.68E-10	7.32E-09
5465	470144.56	3820069.01	1.87E-08	7.86E-08	7.08E-09	1.04E-07	1.56E-08	5.78E-08	5.08E-09	7.85E-08	1.77E-09	1.01E-08	1.21E-09	1.31E-08	1.61E-09	5.30E-09	3.65E-10	7.27E-09
5466	470154.25	3820069.15	1.86E-08	7.81E-08	7.03E-09	1.04E-07	1.55E-08	5.74E-08	5.05E-09	7.79E-08	1.76E-09	1.01E-08	1.20E-09	1.30E-08	1.60E-09	5.26E-09	3.63E-10	7.22E-09
5467	470163.95	3820069.28	1.84E-08	7.74E-08	6.97E-09	1.03E-07	1.54E-08	5.69E-08	5.01E-09	7.73E-08	1.74E-09	9.97E-09	1.19E-09	1.29E-08	1.58E-09	5.22E-09	3.60E-10	7.16E-09
5468	470173.65	3820069.42	1.83E-08	7.68E-08	6.91E-09	1.02E-07	1.52E-08	5.64E-08	4.96E-09	7.66E-08	1.73E-09	9.88E-09	1.18E-09	1.28E-08	1.57E-09	5.17E-09	3.57E-10	7.10E-09
5469	470183.34	3820069.55	1.81E-08	7.60E-08	6.85E-09	1.01E-07	1.51E-08	5.59E-08	4.91E-09	7.59E-08	1.71E-09	9.79E-09	1.17E-09	1.27E-08	1.55E-09	5.12E-09	3.53E-10	7.03E-09
5470	470193.04	3820069.69	1.79E-08	7.52E-08	6.78E-09	9.99E-08	1.49E-08	5.53E-08	4.86E-09	7.51E-08	1.69E-09	9.69E-09	1.16E-09	1.25E-08	1.54E-09	5.07E-09	3.50E-10	6.96E-09
5471	470202.74	3820069.82	1.77E-08	7.44E-08	6.70E-09	9.88E-08	1.48E-08	5.47E-08	4.81E-09	7.42E-08	1.67E-09	9.58E-09	1.14E-09	1.24E-08	1.52E-09	5.02E-09	3.46E-10	6.88E-09
5472	470212.44	3820069.96	1.75E-08	7.35E-08	6.62E-09	9.77E-08	1.46E-08	5.40E-08	4.75E-09	7.34E-08	1.65E-09	9.46E-09	1.13E-09	1.22E-08	1.50E-09	4.96E-09	3.42E-10	6.80E-09
5473	470222.13	3820070.09	1.73E-08	7.26E-08	6.54E-09	9.64E-08	1.44E-08	5.34E-08	4.69E-09	7.24E-08	1.63E-09	9.35E-09	1.12E-09	1.21E-08	1.48E-09	4.89E-09	3.37E-10	6.72E-09
5474	470231.83	3820070.23	1.71E-08	7.17E-08	6.45E-09	9.52E-08	1.42E-08	5.27E-08	4.63E-09	7.15E-08	1.61E-09	9.23E-09	1.10E-09	1.19E-08	1.46E-09	4.83E-09	3.33E-10	6.63E-09
5475	470241.53	3820070.36	1.68E-08	7.07E-08	6.37E-09	9.40E-08	1.40E-08	5.20E-08	4.57E-09	7.06E-08	1.59E-09	9.11E-09	1.09E-09	1.18E-08	1.45E-09	4.77E-09	3.29E-10	6.54E-09
5476	470251.23	3820070.5	1.66E-08	6.98E-08	6.28E-09	9.27E-08	1.38E-08	5.13E-08	4.51E-09	6.96E-08	1.57E-09	8.98E-09	1.07E-09	1.16E-08	1.43E-09	4.70E-09	3.24E-10	6.45E-09
5477	470260.92	3820070.63	1.64E-08	6.88E-08	6.20E-09	9.14E-08	1.37E-08	5.06E-08	4.45E-09	6.87E-08	1.55E-09	8.86E-09	1.06E-09	1.15E-08	1.41E-09	4.64E-09	3.20E-10	6.37E-09
5478	470086.73	3820104.54	1.75E-08	7.33E-08	6.60E-09	9.74E-08	1.45E-08	5.39E-08	4.74E-09	7.32E-08	1.65E-09	9.44E-09	1.13E-09	1.22E-08	1.50E-09	4.94E-09	3.41E-10	6.78E-09
5479	470077.95	3820100.74	1.76E-08	7.39E-08	6.66E-09	9.82E-08	1.47E-08	5.43E-08	4.78E-09	7.38E-08	1.66E-09	9.52E-09	1.14E-09	1.23E-08	1.51E-09	4.98E-09	3.44E-10	6.84E-09
5480	470069.17	3820096.95	1.77E-08	7.45E-08	6.71E-09	9.89E-08	1.48E-08	5.47E-08	4.81E-09	7.43E-08	1.67E-09	9.59E-09	1.14E-09	1.24E-08	1.52E-09	5.02E-09	3.46E-10	6.89E-09
5481	470060.39	3820093.15	1.78E-08	7.49E-08	6.75E-09	9.95E-08	1.49E-08	5.51E-08	4.84E-09	7.48E-08	1.69E-09	9.65E-09	1.15E-09	1.25E-08	1.53E-09	5.05E-09	3.48E-10	6.93E-09
5482	470051.61	3820089.35	1.79E-08	7.53E-08	6.78E-09	1.00E-07	1.49E-08	5.54E-08	4.87E-09	7.52E-08	1.69E-09	9.70E-09	1.16E-09	1.25E-08	1.54E-09	5.08E-09	3.50E-10	6.97E-09
5483	470042.83	3820085.56	1.80E-08	7.56E-08	6.81E-09	1.00E-07	1.50E-08	5.56E-08	4.89E-09	7.54E-08	1.70E-09	9.73E-09	1.16E-09	1.26E-08	1.55E-09	5.10E-09	3.51E-10	6.99E-09
5484	470034.05	3820081.76	1.81E-08	7.58E-08	6.83E-09	1.01E-07	1.50E-08	5.57E-08	4.90E-09	7.56E-08	1.70E-09	9.76E-09	1.16E-09	1.26E-08	1.55E-09	5.11E-09	3.52E-10	7.01E-09
5485	470025.27	3820077.96	1.81E-08	7.59E-08	6.84E-09	1.01E-07	1.51E-08	5.58E-08	4.91E-09	7.58E-08	1.71E-09	9.77E-09	1.17E-09	1.26E-08	1.55E-09	5.12E-09	3.53E-10	7.02E-09
5486	470016.49	3820074.16	1.81E-08	7.60E-08	6.84E-09	1.01E-07	1.51E-08	5.58E-08	4.91E-09	7.58E-08	1.71E-09	9.78E-09	1.17E-09	1.27E-08	1.55E-09	5.12E-09	3.53E-10	7.03E-09
5487	470007.71	3820070.37	1.81E-08	7.59E-08	6.84E-09	1.01E-07	1.51E-08	5.58E-08	4.91E-09	7.57E-08	1.71E-09	9.77E-09	1.17E-09	1.26E-08	1.55E-09	5.12E-09	3.53E-10	7.02E-09
5488	469998.93	3820066.57	1.80E-08	7.58E-08	6.82E-09	1.01E-07	1.50E-08	5.57E-08	4.90E-09	7.56E-08	1.70E-09	9.75E-09	1.16E-09	1.26E-08	1.55E-09	5.11E-09	3.52E-10	7.01E-09
5489	469990.15	3820062.77	1.80E-08	7.55E-08	6.80E-09	1.00E-07	1.50E-08	5.55E-08	4.88E-09	7.54E-08	1.70E-09	9.73E-09	1.16E-09	1.26E-08	1.54E-09	5.09E-09	3.51E-10	6.99E-09
5490	469981.37	3820058.98	1.79E-08	7.53E-08	6.78E-09	9.99E-08	1.49E-08	5.53E-08	4.86E-09	7.51E-08	1.69E-09	9.69E-09	1.16E-09	1.25E-08	1.54E-09	5.07E-09	3.50E-10	6.96E-09
5491	469972.59	3820055.18	1.78E-08	7.49E-08	6.74E-09	9.95E-08	1.49E-08	5.50E-08	4.84E-09	7.47E-08	1.68E-09	9.64E-09	1.15E-09	1.25E-08	1.53E-09	5.05E-09	3.48E-10	6.93E-09
5492	469963.81	3820051.38	1.77E-08	7.44E-08	6.70E-09	9.89E-08	1.48E-08	5.47E-08	4.81E-09	7.43E-08	1.67E-09	9.58E-09	1.14E-09	1.24E-08	1.52E-09	5.02E-09	3.46E-10	6.89E-09
5493	469665.28	3819922.29	1.10E-08	4.64E-08	4.17E-09	6.16E-08	9.19E-09	3.41E-08	3.00E-09	4.62E-08	1.04E-09	5.97E-09	7.12E-10	7.72E-09	9.47E-10	3.12E-09	2.15E-10	4.29E-09
5494	469656.5	3819918.49	1.08E-08	4.54E-08	4.09E-09	6.03E-08	9.01E-09	3.34E-08	2.94E-09	4.53E-08	1.02E-09	5.85E-09	6.98E-10	7.57E-09	9.29E-10	3.06E-09	2.11E-10	4.20E-09
5495	469647.72	3819914.7	1.06E-08	4.45E-08	4.01E-09	5.91E-08	8.83E-09	3.27E-08	2.88E-09	4.44E-08	1.00E-09	5.73E-09	6.84E-10	7.41E-09	9.10E-10	3.00E-09	2.07E-10	4.12E-09
5496	469638.94	3819910.9	1.04E-08	4.36E-08	3.93E-09	5.79E-08	8.65E-09	3.20E-08	2.82E-09	4.35E-08	9.80E-10	5.61E-09	6.69E-10	7.26E-09	8.91E-10	2.94E-09	2.03E-10	4.03E-09
5497	469626.66	3819898.2	1.01E-08	4.24E-08	3.82E-09	5.64E-08	8.42E-09	3.12E-08	2.74E-09	4.24E-08	9.54E-10	5.46E-09	6.52E-10	7.07E-09	8.68E-10	2.86E-09	1.97E-10	3.93E-09
5498	469623.16	3819889.3	1.00E-08	4.22E-08	3.80E-09	5.60E-08	8.37E-09	3.10E-08	2.73E-09	4.21E-08	9.49E-10	5.43E-09	6.48E-10	7.03E-09	8.63E-10	2.84E-09	1.96E-10	3.90E-09
5499	469619.67	3819880.39	9.98E-09	4.19E-08	3.77E-09	5.57E-08	8.31E-09	3.08E-08	2.71E-09	4.18E-08	9.43E-10	5.40E-09	6.44E-10	6.98E-09	8.57E-10	2.83E-09	1.95E-10	3.88E-09
5500	469616.17	3819871.49	9.91E-09	4.16E-08	3.75E-09	5.52E-08	8.25E-09	3.06E-08	2.69E-09	4.15E-08	9.35E-10	5.35E-09	6.39E-10	6.93E-09	8.50E-10	2.80E-09	1.93E-10	3.85E-09
5501	469612.67	3819862.58	9.82E-09	4.12E-08	3.71E-09	5.48E-08	8.18E-09	3.03E-08	2.67E-09	4.12E-08	9.27E-10	5.31E-09	6.33E-10	6.87E-09	8.43E-10	2.78E-09	1.92E-10	3.81E-09
5502	469609.18	3819853.68	9.73E-09	4.09E-08	3.68E-09	5.43E-08	8.10E-09	3.00E-08	2.64E-09	4.08E-08	9.19E-10	5.26E-09	6.28E-10	6.81E-09	8.35E-10	2.75E-09	1.90E-10	3.78E-09
5503	469605.68	3819844.78	9.63E-09	4.04E-08	3.64E-09	5.37E-08	8.02E-09	2.97E-08	2.61E-09	4.03E-08	9.09E-10	5.21E-09	6.21E-10	6.74E-09	8.27E-10	2.73E-09	1.88E-10	3.74E-09
5504	469518.26	3819622.17	5.16E-09	2.17E-08	1.95E-09	2.88E-08	4.30E-09	1.59E-08	1.40E-09	2.16E-08	4.87E-10	2.79E-09	3.33E-10	3.61E-09	4.43E-10	1.46E-09	1.01E-10	2.00E-09

5505	469514.77	3819613.27	4.96E-09	2.08E-08	1.88E-09	2.77E-08	4.13E-09	1.53E-08	1.35E-09	2.08E-08	4.69E-10	2.68E-09	3.20E-10	3.47E-09	4.26E-10	1.40E-09	9.68E-11	1.93E-09
5506	469511.27	3819604.37	4.77E-09	2.01E-08	1.81E-09	2.66E-08	3.98E-09	1.47E-08	1.30E-09	2.00E-08	4.51E-10	2.58E-09	3.08E-10	3.34E-09	4.10E-10	1.35E-09	9.32E-11	1.85E-09
5507	469507.77	3819595.46	4.59E-09	1.93E-08	1.74E-09	2.56E-08	3.82E-09	1.42E-08	1.25E-09	1.92E-08	4.34E-10	2.48E-09	2.96E-10	3.21E-09	3.94E-10	1.30E-09	8.96E-11	1.78E-09
5508	469504.28	3819586.56	4.41E-09	1.85E-08	1.67E-09	2.46E-08	3.68E-09	1.36E-08	1.20E-09	1.85E-08	4.17E-10	2.39E-09	2.85E-10	3.09E-09	3.79E-10	1.25E-09	8.61E-11	1.71E-09
5509	469500.78	3819577.65	4.23E-09	1.78E-08	1.60E-09	2.36E-08	3.53E-09	1.31E-08	1.15E-09	1.77E-08	4.00E-10	2.29E-09	2.73E-10	2.96E-09	3.63E-10	1.20E-09	8.26E-11	1.64E-09
5510	469497.28	3819568.75	4.06E-09	1.70E-08	1.54E-09	2.26E-08	3.38E-09	1.25E-08	1.10E-09	1.70E-08	3.83E-10	2.19E-09	2.62E-10	2.84E-09	3.48E-10	1.15E-09	7.92E-11	1.58E-09
5511	469493.79	3819559.84	3.89E-09	1.63E-08	1.47E-09	2.17E-08	3.24E-09	1.20E-08	1.06E-09	1.63E-08	3.67E-10	2.10E-09	2.51E-10	2.72E-09	3.34E-10	1.10E-09	7.59E-11	1.51E-09
5512	469490.29	3819550.94	3.73E-09	1.57E-08	1.41E-09	2.08E-08	3.11E-09	1.15E-08	1.01E-09	1.56E-08	3.53E-10	2.02E-09	2.41E-10	2.61E-09	3.20E-10	1.06E-09	7.28E-11	1.45E-09
5513	469486.79	3819542.04	3.58E-09	1.50E-08	1.36E-09	2.00E-08	2.98E-09	1.11E-08	9.73E-10	1.50E-08	3.38E-10	1.94E-09	2.31E-10	2.51E-09	3.08E-10	1.01E-09	6.99E-11	1.39E-09
5514	469483.3	3819533.13	3.44E-09	1.44E-08	1.30E-09	1.92E-08	2.86E-09	1.06E-08	9.33E-10	1.44E-08	3.25E-10	1.86E-09	2.22E-10	2.41E-09	2.95E-10	9.73E-10	6.71E-11	1.34E-09
5515	469479.8	3819524.23	3.30E-09	1.39E-08	1.25E-09	1.84E-08	2.75E-09	1.02E-08	8.96E-10	1.38E-08	3.12E-10	1.78E-09	2.13E-10	2.31E-09	2.83E-10	9.34E-10	6.44E-11	1.28E-09
5516	469476.3	3819515.32	3.17E-09	1.33E-08	1.20E-09	1.77E-08	2.64E-09	9.78E-09	8.60E-10	1.33E-08	2.99E-10	1.71E-09	2.04E-10	2.22E-09	2.72E-10	8.97E-10	6.18E-11	1.23E-09
5517	469472.81	3819506.42	3.04E-09	1.28E-08	1.15E-09	1.70E-08	2.53E-09	9.39E-09	8.26E-10	1.28E-08	2.87E-10	1.65E-09	1.96E-10	2.13E-09	2.61E-10	8.61E-10	5.94E-11	1.18E-09
5518	469469.31	3819497.52	2.92E-09	1.23E-08	1.11E-09	1.63E-08	2.43E-09	9.02E-09	7.93E-10	1.22E-08	2.76E-10	1.58E-09	1.89E-10	2.04E-09	2.51E-10	8.27E-10	5.70E-11	1.14E-09
5519	469465.81	3819488.61	2.81E-09	1.18E-08	1.06E-09	1.57E-08	2.34E-09	8.67E-09	7.63E-10	1.18E-08	2.65E-10	1.52E-09	1.81E-10	1.96E-09	2.41E-10	7.95E-10	5.48E-11	1.09E-09
5520	469462.32	3819479.71	2.70E-09	1.13E-08	1.02E-09	1.51E-08	2.25E-09	8.34E-09	7.33E-10	1.13E-08	2.55E-10	1.46E-09	1.74E-10	1.89E-09	2.32E-10	7.65E-10	5.27E-11	1.05E-09
5521	469458.82	3819470.8	2.60E-09	1.09E-08	9.83E-10	1.45E-08	2.16E-09	8.02E-09	7.05E-10	1.09E-08	2.45E-10	1.40E-09	1.68E-10	1.82E-09	2.23E-10	7.35E-10	5.07E-11	1.01E-09
5522	469455.32	3819461.9	2.50E-09	1.05E-08	9.46E-10	1.39E-08	2.08E-09	7.72E-09	6.79E-10	1.05E-08	2.36E-10	1.35E-09	1.61E-10	1.75E-09	2.15E-10	7.08E-10	4.88E-11	9.71E-10
5523	469451.83	3819453	2.41E-09	1.01E-08	9.11E-10	1.34E-08	2.01E-09	7.43E-09	6.54E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.69E-09	2.07E-10	6.82E-10	4.70E-11	9.36E-10
5524	469448.33	3819444.09	2.32E-09	9.75E-09	8.78E-10	1.30E-08	1.93E-09	7.16E-09	6.30E-10	9.73E-09	2.19E-10	1.26E-09	1.50E-10	1.62E-09	1.99E-10	6.57E-10	4.53E-11	9.02E-10
5525	470095.51	3820108.34	1.73E-08	7.27E-08	6.54E-09	9.65E-08	1.44E-08	5.34E-08	4.70E-09	7.25E-08	1.63E-09	9.35E-09	1.12E-09	1.21E-08	1.49E-09	4.90E-09	3.38E-10	6.72E-09
5526	470105.21	3820108.47	1.73E-08	7.25E-08	6.53E-09	9.63E-08	1.44E-08	5.33E-08	4.69E-09	7.24E-08	1.63E-09	9.33E-09	1.11E-09	1.21E-08	1.48E-09	4.89E-09	3.37E-10	6.71E-09
5527	470114.91	3820108.61	1.72E-08	7.23E-08	6.51E-09	9.60E-08	1.43E-08	5.31E-08	4.67E-09	7.21E-08	1.63E-09	9.31E-09	1.11E-09	1.20E-08	1.48E-09	4.87E-09	3.36E-10	6.69E-09
5528	470124.6	3820108.74	1.71E-08	7.20E-08	6.48E-09	9.56E-08	1.43E-08	5.29E-08	4.65E-09	7.18E-08	1.62E-09	9.27E-09	1.11E-09	1.20E-08	1.47E-09	4.85E-09	3.35E-10	6.66E-09
5529	470134.3	3820108.88	1.71E-08	7.16E-08	6.45E-09	9.51E-08	1.42E-08	5.26E-08	4.63E-09	7.15E-08	1.61E-09	9.22E-09	1.10E-09	1.19E-08	1.46E-09	4.83E-09	3.33E-10	6.63E-09
5530	470144	3820109.01	1.70E-08	7.12E-08	6.41E-09	9.46E-08	1.41E-08	5.23E-08	4.60E-09	7.10E-08	1.60E-09	9.17E-09	1.09E-09	1.19E-08	1.46E-09	4.80E-09	3.31E-10	6.59E-09
5531	470153.7	3820109.15	1.68E-08	7.07E-08	6.37E-09	9.39E-08	1.40E-08	5.20E-08	4.57E-09	7.06E-08	1.59E-09	9.10E-09	1.09E-09	1.18E-08	1.45E-09	4.77E-09	3.29E-10	6.54E-09
5532	470163.39	3820109.28	1.67E-08	7.02E-08	6.32E-09	9.32E-08	1.39E-08	5.15E-08	4.53E-09	7.00E-08	1.58E-09	9.03E-09	1.08E-09	1.17E-08	1.43E-09	4.73E-09	3.26E-10	6.49E-09
5533	470173.09	3820109.42	1.66E-08	6.95E-08	6.26E-09	9.24E-08	1.38E-08	5.11E-08	4.49E-09	6.94E-08	1.56E-09	8.95E-09	1.07E-09	1.16E-08	1.42E-09	4.69E-09	3.23E-10	6.43E-09
5534	470182.79	3820109.55	1.64E-08	6.89E-08	6.20E-09	9.15E-08	1.37E-08	5.06E-08	4.45E-09	6.87E-08	1.55E-09	8.86E-09	1.06E-09	1.15E-08	1.41E-09	4.64E-09	3.20E-10	6.37E-09
5535	470192.48	3820109.69	1.62E-08	6.81E-08	6.14E-09	9.05E-08	1.35E-08	5.01E-08	4.40E-09	6.80E-08	1.53E-09	8.77E-09	1.05E-09	1.14E-08	1.39E-09	4.59E-09	3.17E-10	6.30E-09
5536	470202.18	3820109.82	1.60E-08	6.74E-08	6.07E-09	8.95E-08	1.34E-08	4.95E-08	4.36E-09	6.72E-08	1.52E-09	8.68E-09	1.04E-09	1.12E-08	1.38E-09	4.54E-09	3.13E-10	6.23E-09
5537	470211.88	3820109.96	1.59E-08	6.66E-08	6.00E-09	8.85E-08	1.32E-08	4.90E-08	4.31E-09	6.65E-08	1.50E-09	8.58E-09	1.02E-09	1.11E-08	1.36E-09	4.49E-09	3.10E-10	6.16E-09
5538	470221.58	3820110.09	1.57E-08	6.59E-08	5.93E-09	8.75E-08	1.31E-08	4.84E-08	4.26E-09	6.57E-08	1.48E-09	8.48E-09	1.01E-09	1.10E-08	1.35E-09	4.44E-09	3.06E-10	6.09E-09
5539	470231.27	3820110.23	1.55E-08	6.51E-08	5.86E-09	8.64E-08	1.29E-08	4.78E-08	4.21E-09	6.49E-08	1.46E-09	8.38E-09	9.99E-10	1.08E-08	1.33E-09	4.39E-09	3.02E-10	6.02E-09
5540	470240.97	3820110.36	1.53E-08	6.42E-08	5.78E-09	8.53E-08	1.27E-08	4.72E-08	4.15E-09	6.41E-08	1.44E-09	8.27E-09	9.86E-10	1.07E-08	1.31E-09	4.33E-09	2.98E-10	5.94E-09
5541	470250.67	3820110.5	1.51E-08	6.34E-08	5.71E-09	8.42E-08	1.26E-08	4.66E-08	4.10E-09	6.32E-08	1.43E-09	8.16E-09	9.73E-10	1.06E-08	1.30E-09	4.27E-09	2.94E-10	5.86E-09
5542	470260.37	3820110.63	1.49E-08	6.25E-08	5.63E-09	8.30E-08	1.24E-08	4.59E-08	4.04E-09	6.24E-08	1.41E-09	8.05E-09	9.60E-10	1.04E-08	1.28E-09	4.21E-09	2.91E-10	5.78E-09
5543	470086.14	3820144.52	1.59E-08	6.69E-08	6.03E-09	8.89E-08	1.33E-08	4.92E-08	4.33E-09	6.68E-08	1.50E-09	8.61E-09	1.03E-09	1.11E-08	1.37E-09	4.51E-09	3.11E-10	6.19E-09
5544	470077.33	3820140.71	1.61E-08	6.75E-08	6.08E-09	8.97E-08	1.34E-08	4.96E-08	4.36E-09	6.74E-08	1.52E-09	8.69E-09	1.04E-09	1.12E-08	1.38E-09	4.55E-09	3.14E-10	6.24E-09
5545	470068.52	3820136.9	1.62E-08	6.80E-08	6.12E-09	9.03E-08	1.35E-08	5.00E-08	4.40E-09	6.79E-08	1.53E-09	8.76E-09	1.04E-09	1.13E-08	1.39E-09	4.58E-09	3.16E-10	6.29E-09
5546	470059.7	3820133.09	1.63E-08	6.85E-08	6.16E-09	9.09E-08	1.36E-08	5.03E-08	4.43E-09	6.83E-08	1.54E-09	8.81E-09	1.05E-09	1.14E-08	1.40E-09	4.61E-09	3.18E-10	6.33E-09
5547	470050.89	3820129.28	1.64E-08	6.88E-08	6.20E-09	9.14E-08	1.37E-08	5.06E-08	4.45E-09	6.87E-08	1.55E-09	8.86E-09	1.06E-09	1.15E-08	1.41E-09	4.64E-09	3.20E-10	6.37E-09
5548	470042.07	3820125.46	1.65E-08	6.91E-08	6.23E-09	9.18E-08	1.37E-08	5.08E-08	4.47E-09	6.90E-08	1.55E-09	8.90E-09	1.06E-09	1.15E-08	1.41E-09	4.66E-09	3.21E-10	6.39E-09
5549	470033.26	3820121.65	1.65E-08	6.94E-08	6.25E-09	9.21E-08	1.38E-08	5.10E-08	4.48E-09	6.92E-08	1.56E-09	8.93E-09	1.07E-09	1.16E-08	1.42E-09	4.68E-09	3.22E-10	6.42E-09
5550	470024.45	3820117.84	1.66E-08	6.95E-08	6.26E-09	9.23E-08	1.38E-08	5.11E-08	4.49E-09	6.94E-08	1.56E-09	8.95E-09	1.07E-09	1.16E-08	1.42E-09	4.69E-09	3.23E-10	6.43E-09
5551	470015.63	3820114.03	1.66E-08	6.96E-08	6.27E-09	9.24E-08	1.38E-08	5.11E-08	4.50E-09	6.94E-08	1.56E-09	8.96E-09	1.07E-09	1.16E-08	1.42E-09	4.69E-09	3.23E-10	6.44E-09
5552	470006.82	3820110.22	1.66E-08	6.96E-08	6.27E-09	9.24E-08	1.38E-08	5.11E-08	4.50E-09	6.94E-08	1.56E-09	8.96E-09	1.07E-09	1.16E-08	1.42E-09	4.69E-09	3.23E-10	6.44E-09
5553	469998.01	3820106.41	1.66E-08	6.95E-08	6.26E-09	9.23E-08	1.38E-08	5.11E-08	4.49E-09	6.94E-08	1.56E-09	8.95E-09	1.07E-09	1.16E-08	1.42E-09	4.69E-09	3.23E-10	6.43E-09
5554	469989.19	3820102.6	1.65E-08	6.94E-08	6.25E-09	9.21E-08	1.38E-08	5.10E-08	4.48E-09	6.92E-08	1.56E-09	8.93E-09	1.07E-09	1.16E-08	1.42E-09	4.68E-09	3.22E-10	6.42E-09
5555	469980.38	3820098.79	1.65E-08	6.92E-08	6.23E-09	9.19E-08	1.37E-08	5.08E-08	4.47E-09	6.90E-08	1.56E-09	8.90E-09	1.06E-09	1.15E-08	1.41E-09	4.66E-09	3.21E-10	6.40E-09

5556	469971.57	3820094.98	1.64E-08	6.89E-08	6.20E-09	9.15E-08	1.37E-08	5.06E-08	4.45E-09	6.87E-08	1.55E-09	8.87E-09	1.06E-09	1.15E-08	1.41E-09	4.64E-09	3.20E-10	6.37E-09
5557	469962.75	3820091.16	1.63E-08	6.85E-08	6.17E-09	9.10E-08	1.36E-08	5.04E-08	4.43E-09	6.84E-08	1.54E-09	8.82E-09	1.05E-09	1.14E-08	1.40E-09	4.62E-09	3.18E-10	6.34E-09
5558	469953.94	3820087.35	1.62E-08	6.81E-08	6.14E-09	9.05E-08	1.35E-08	5.01E-08	4.40E-09	6.80E-08	1.53E-09	8.77E-09	1.05E-09	1.13E-08	1.39E-09	4.59E-09	3.17E-10	6.30E-09
5559	469945.13	3820083.54	1.61E-08	6.77E-08	6.09E-09	8.99E-08	1.34E-08	4.97E-08	4.37E-09	6.75E-08	1.52E-09	8.71E-09	1.04E-09	1.13E-08	1.38E-09	4.56E-09	3.14E-10	6.26E-09
5560	469936.31	3820079.73	1.60E-08	6.72E-08	6.05E-09	8.92E-08	1.33E-08	4.94E-08	4.34E-09	6.70E-08	1.51E-09	8.65E-09	1.03E-09	1.12E-08	1.37E-09	4.53E-09	3.12E-10	6.21E-09
5561	469927.5	3820075.92	1.59E-08	6.66E-08	6.00E-09	8.85E-08	1.32E-08	4.90E-08	4.31E-09	6.65E-08	1.50E-09	8.58E-09	1.02E-09	1.11E-08	1.36E-09	4.49E-09	3.10E-10	6.16E-09
5562	469918.68	3820072.11	1.57E-08	6.60E-08	5.95E-09	8.77E-08	1.31E-08	4.85E-08	4.27E-09	6.59E-08	1.48E-09	8.50E-09	1.01E-09	1.10E-08	1.35E-09	4.45E-09	3.07E-10	6.11E-09
5563	469909.87	3820068.3	1.56E-08	6.54E-08	5.89E-09	8.69E-08	1.30E-08	4.81E-08	4.23E-09	6.53E-08	1.47E-09	8.42E-09	1.00E-09	1.09E-08	1.34E-09	4.41E-09	3.04E-10	6.05E-09
5564	469901.06	3820064.49	1.54E-08	6.48E-08	5.83E-09	8.60E-08	1.28E-08	4.76E-08	4.19E-09	6.46E-08	1.46E-09	8.34E-09	9.95E-10	1.08E-08	1.32E-09	4.36E-09	3.01E-10	5.99E-09
5565	469892.24	3820060.67	1.53E-08	6.41E-08	5.77E-09	8.51E-08	1.27E-08	4.71E-08	4.14E-09	6.39E-08	1.44E-09	8.25E-09	9.84E-10	1.07E-08	1.31E-09	4.32E-09	2.98E-10	5.93E-09
5566	469883.43	3820056.86	1.51E-08	6.34E-08	5.71E-09	8.42E-08	1.26E-08	4.66E-08	4.10E-09	6.32E-08	1.42E-09	8.16E-09	9.73E-10	1.06E-08	1.30E-09	4.27E-09	2.94E-10	5.86E-09
5567	469874.62	3820053.05	1.49E-08	6.26E-08	5.64E-09	8.32E-08	1.24E-08	4.60E-08	4.05E-09	6.25E-08	1.41E-09	8.06E-09	9.62E-10	1.04E-08	1.28E-09	4.22E-09	2.91E-10	5.79E-09
5568	469865.8	3820049.24	1.47E-08	6.19E-08	5.57E-09	8.22E-08	1.23E-08	4.55E-08	4.00E-09	6.18E-08	1.39E-09	7.97E-09	9.51E-10	1.03E-08	1.27E-09	4.17E-09	2.88E-10	5.73E-09
5569	469671.91	3819965.39	1.08E-08	4.53E-08	4.08E-09	6.01E-08	8.98E-09	3.33E-08	2.93E-09	4.52E-08	1.02E-09	5.83E-09	6.95E-10	7.54E-09	9.25E-10	3.05E-09	2.10E-10	4.19E-09
5570	469663.09	3819961.58	1.06E-08	4.45E-08	4.01E-09	5.91E-08	8.82E-09	3.27E-08	2.88E-09	4.44E-08	1.00E-09	5.73E-09	6.83E-10	7.41E-09	9.09E-10	3.00E-09	2.07E-10	4.11E-09
5571	469654.28	3819957.77	1.04E-08	4.37E-08	3.94E-09	5.80E-08	8.67E-09	3.21E-08	2.82E-09	4.36E-08	9.83E-10	5.63E-09	6.71E-10	7.28E-09	8.93E-10	2.95E-09	2.03E-10	4.04E-09
5572	469645.46	3819953.96	1.02E-08	4.29E-08	3.86E-09	5.70E-08	8.51E-09	3.15E-08	2.77E-09	4.28E-08	9.65E-10	5.52E-09	6.59E-10	7.15E-09	8.77E-10	2.89E-09	1.99E-10	3.97E-09
5573	469636.65	3819950.15	1.00E-08	4.21E-08	3.79E-09	5.59E-08	8.35E-09	3.09E-08	2.72E-09	4.20E-08	9.47E-10	5.42E-09	6.47E-10	7.02E-09	8.61E-10	2.84E-09	1.96E-10	3.90E-09
5574	469627.84	3819946.34	9.84E-09	4.13E-08	3.72E-09	5.49E-08	8.20E-09	3.04E-08	2.67E-09	4.12E-08	9.29E-10	5.32E-09	6.35E-10	6.88E-09	8.45E-10	2.78E-09	1.92E-10	3.82E-09
5575	469619.02	3819942.53	9.65E-09	4.05E-08	3.65E-09	5.38E-08	8.04E-09	2.98E-08	2.62E-09	4.04E-08	9.11E-10	5.22E-09	6.22E-10	6.75E-09	8.28E-10	2.73E-09	1.88E-10	3.75E-09
5576	469610.21	3819938.72	9.46E-09	3.97E-08	3.58E-09	5.28E-08	7.88E-09	2.92E-08	2.57E-09	3.96E-08	8.93E-10	5.11E-09	6.10E-10	6.62E-09	8.12E-10	2.68E-09	1.85E-10	3.67E-09
5577	469597.89	3819925.97	9.22E-09	3.87E-08	3.49E-09	5.14E-08	7.68E-09	2.85E-08	2.50E-09	3.86E-08	8.71E-10	4.99E-09	5.95E-10	6.45E-09	7.92E-10	2.61E-09	1.80E-10	3.58E-09
5578	469594.38	3819917.03	9.17E-09	3.85E-08	3.47E-09	5.12E-08	7.64E-09	2.83E-08	2.49E-09	3.84E-08	8.66E-10	4.96E-09	5.92E-10	6.42E-09	7.87E-10	2.60E-09	1.79E-10	3.56E-09
5579	469590.87	3819908.09	9.11E-09	3.83E-08	3.45E-09	5.08E-08	7.59E-09	2.81E-08	2.47E-09	3.82E-08	8.61E-10	4.93E-09	5.88E-10	6.38E-09	7.82E-10	2.58E-09	1.78E-10	3.54E-09
5580	469587.36	3819899.15	9.05E-09	3.80E-08	3.42E-09	5.05E-08	7.54E-09	2.79E-08	2.46E-09	3.79E-08	8.54E-10	4.89E-09	5.84E-10	6.33E-09	7.77E-10	2.56E-09	1.77E-10	3.51E-09
5581	469583.85	3819890.21	8.97E-09	3.77E-08	3.39E-09	5.01E-08	7.48E-09	2.77E-08	2.44E-09	3.76E-08	8.48E-10	4.85E-09	5.79E-10	6.28E-09	7.70E-10	2.54E-09	1.75E-10	3.49E-09
5582	469580.34	3819881.28	8.89E-09	3.74E-08	3.36E-09	4.96E-08	7.41E-09	2.74E-08	2.41E-09	3.73E-08	8.40E-10	4.81E-09	5.74E-10	6.22E-09	7.64E-10	2.52E-09	1.74E-10	3.45E-09
5583	469576.83	3819872.34	8.81E-09	3.70E-08	3.33E-09	4.91E-08	7.34E-09	2.72E-08	2.39E-09	3.69E-08	8.32E-10	4.76E-09	5.68E-10	6.16E-09	7.56E-10	2.49E-09	1.72E-10	3.42E-09
5584	469573.32	3819863.4	8.71E-09	3.66E-08	3.30E-09	4.86E-08	7.26E-09	2.69E-08	2.37E-09	3.65E-08	8.23E-10	4.71E-09	5.62E-10	6.10E-09	7.48E-10	2.47E-09	1.70E-10	3.38E-09
5585	469569.81	3819854.46	8.61E-09	3.62E-08	3.26E-09	4.80E-08	7.17E-09	2.66E-08	2.34E-09	3.61E-08	8.13E-10	4.66E-09	5.55E-10	6.02E-09	7.39E-10	2.44E-09	1.68E-10	3.35E-09
5586	469566.3	3819845.53	8.50E-09	3.57E-08	3.22E-09	4.74E-08	7.08E-09	2.62E-08	2.31E-09	3.56E-08	8.03E-10	4.60E-09	5.48E-10	5.95E-09	7.30E-10	2.41E-09	1.66E-10	3.30E-09
5587	469478.55	3819622.08	4.39E-09	1.84E-08	1.66E-09	2.45E-08	3.66E-09	1.36E-08	1.19E-09	1.84E-08	4.15E-10	2.37E-09	2.83E-10	3.07E-09	3.77E-10	1.24E-09	8.57E-11	1.71E-09
5588	469475.04	3819613.14	4.23E-09	1.77E-08	1.60E-09	2.36E-08	3.52E-09	1.30E-08	1.15E-09	1.77E-08	3.99E-10	2.28E-09	2.73E-10	2.96E-09	3.63E-10	1.20E-09	8.24E-11	1.64E-09
5589	469471.53	3819604.21	4.07E-09	1.71E-08	1.54E-09	2.27E-08	3.39E-09	1.25E-08	1.10E-09	1.70E-08	3.84E-10	2.20E-09	2.62E-10	2.84E-09	3.49E-10	1.15E-09	7.93E-11	1.58E-09
5590	469468.02	3819595.27	3.91E-09	1.64E-08	1.48E-09	2.18E-08	3.26E-09	1.21E-08	1.06E-09	1.64E-08	3.69E-10	2.11E-09	2.52E-10	2.74E-09	3.36E-10	1.11E-09	7.63E-11	1.52E-09
5591	469464.51	3819586.33	3.76E-09	1.58E-08	1.42E-09	2.10E-08	3.13E-09	1.16E-08	1.02E-09	1.58E-08	3.55E-10	2.03E-09	2.43E-10	2.63E-09	3.23E-10	1.06E-09	7.34E-11	1.46E-09
5592	469461	3819577.39	3.61E-09	1.52E-08	1.37E-09	2.01E-08	3.01E-09	1.11E-08	9.81E-10	1.51E-08	3.41E-10	1.95E-09	2.33E-10	2.53E-09	3.10E-10	1.02E-09	7.05E-11	1.40E-09
5593	469457.49	3819568.45	3.47E-09	1.46E-08	1.31E-09	1.93E-08	2.89E-09	1.07E-08	9.41E-10	1.45E-08	3.27E-10	1.87E-09	2.24E-10	2.43E-09	2.98E-10	9.82E-10	6.77E-11	1.35E-09
5594	469453.98	3819559.52	3.33E-09	1.40E-08	1.26E-09	1.86E-08	2.77E-09	1.03E-08	9.03E-10	1.39E-08	3.14E-10	1.80E-09	2.15E-10	2.33E-09	2.86E-10	9.42E-10	6.49E-11	1.29E-09
5595	469450.47	3819550.58	3.20E-09	1.34E-08	1.21E-09	1.78E-08	2.66E-09	9.86E-09	8.68E-10	1.34E-08	3.02E-10	1.73E-09	2.06E-10	2.24E-09	2.74E-10	9.05E-10	6.24E-11	1.24E-09
5596	469446.96	3819541.64	3.07E-09	1.29E-08	1.16E-09	1.71E-08	2.56E-09	9.48E-09	8.34E-10	1.29E-08	2.90E-10	1.66E-09	1.98E-10	2.15E-09	2.64E-10	8.70E-10	5.99E-11	1.19E-09
5597	469443.45	3819532.7	2.95E-09	1.24E-08	1.12E-09	1.65E-08	2.46E-09	9.11E-09	8.02E-10	1.24E-08	2.79E-10	1.60E-09	1.90E-10	2.07E-09	2.54E-10	8.36E-10	5.76E-11	1.15E-09
5598	469439.94	3819523.77	2.84E-09	1.19E-08	1.07E-09	1.58E-08	2.36E-09	8.76E-09	7.71E-10	1.19E-08	2.68E-10	1.53E-09	1.83E-10	1.99E-09	2.44E-10	8.04E-10	5.54E-11	1.10E-09
5599	469436.43	3819514.83	2.73E-09	1.15E-08	1.03E-09	1.52E-08	2.27E-09	8.42E-09	7.41E-10	1.14E-08	2.58E-10	1.48E-09	1.76E-10	1.91E-09	2.34E-10	7.73E-10	5.33E-11	1.06E-09
5600	469432.92	3819505.89	2.63E-09	1.10E-08	9.93E-10	1.46E-08	2.19E-09	8.10E-09	7.13E-10	1.10E-08	2.48E-10	1.42E-09	1.69E-10	1.84E-09	2.25E-10	7.43E-10	5.12E-11	1.02E-09
5601	469429.41	3819496.95	2.53E-09	1.06E-08	9.56E-10	1.41E-08	2.11E-09	7.80E-09	6.86E-10	1.06E-08	2.39E-10	1.37E-09	1.63E-10	1.77E-09	2.17E-10	7.16E-10	4.93E-11	9.82E-10
5602	469425.9	3819488.01	2.43E-09	1.02E-08	9.21E-10	1.36E-08	2.03E-09	7.51E-09	6.61E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.70E-09	2.09E-10	6.89E-10	4.75E-11	9.46E-10
5603	469422.39	3819479.08	2.35E-09	9.85E-09	8.87E-10	1.31E-08	1.95E-09	7.24E-09	6.37E-10	9.83E-09	2.21E-10	1.27E-09	1.51E-10	1.64E-09	2.01E-10	6.64E-10	4.58E-11	9.11E-10
5604	469418.88	3819470.14	2.26E-09	9.49E-09	8.55E-10	1.26E-08	1.88E-09	6.98E-09	6.14E-10	9.47E-09	2.13E-10	1.22E-09	1.46E-10	1.58E-09	1.94E-10	6.40E-10	4.41E-11	8.78E-10
5605	469415.37	3819461.2	2.18E-09	9.16E-09	8.25E-10	1.22E-08	1.82E-09	6.73E-09	5.92E-10	9.14E-09	2.06E-10	1.18E-09	1.41E-10	1.53E-09	1.87E-10	6.17E-10	4.26E-11	8.47E-10
5606	469411.86	3819452.26	2.10E-09	8.84E-09	7.96E-10	1.17E-08	1.75E-09	6.50E-09	5.71E-10	8.82E-09	1.99E-10	1.14E-09	1.36E-10	1.47E-09	1.81E-10	5.96E-10	4.11E-11	8.18E-10

5607	469408.35	3819443.32	2.03E-09	8.54E-09	7.69E-10	1.13E-08	1.69E-09	6.27E-09	5.52E-10	8.52E-09	1.92E-10	1.10E-09	1.31E-10	1.42E-09	1.75E-10	5.75E-10	3.97E-11	7.90E-10
5608	470094.96	3820148.33	1.58E-08	6.63E-08	5.97E-09	8.80E-08	1.31E-08	4.87E-08	4.28E-09	6.61E-08	1.49E-09	8.53E-09	1.02E-09	1.10E-08	1.35E-09	4.47E-09	3.08E-10	6.13E-09
5609	470104.65	3820148.47	1.57E-08	6.61E-08	5.95E-09	8.78E-08	1.31E-08	4.86E-08	4.27E-09	6.59E-08	1.49E-09	8.51E-09	1.02E-09	1.10E-08	1.35E-09	4.45E-09	3.07E-10	6.11E-09
5610	470114.35	3820148.6	1.57E-08	6.59E-08	5.93E-09	8.75E-08	1.31E-08	4.84E-08	4.26E-09	6.57E-08	1.48E-09	8.48E-09	1.01E-09	1.10E-08	1.35E-09	4.44E-09	3.06E-10	6.09E-09
5611	470124.05	3820148.74	1.56E-08	6.56E-08	5.90E-09	8.71E-08	1.30E-08	4.82E-08	4.24E-09	6.54E-08	1.47E-09	8.44E-09	1.01E-09	1.09E-08	1.34E-09	4.42E-09	3.05E-10	6.06E-09
5612	470133.74	3820148.87	1.55E-08	6.52E-08	5.87E-09	8.66E-08	1.29E-08	4.79E-08	4.22E-09	6.51E-08	1.47E-09	8.39E-09	1.00E-09	1.09E-08	1.33E-09	4.40E-09	3.03E-10	6.03E-09
5613	470143.44	3820149.01	1.54E-08	6.48E-08	5.84E-09	8.61E-08	1.29E-08	4.76E-08	4.19E-09	6.47E-08	1.46E-09	8.34E-09	9.95E-10	1.08E-08	1.32E-09	4.37E-09	3.01E-10	5.99E-09
5614	470153.14	3820149.14	1.53E-08	6.43E-08	5.79E-09	8.54E-08	1.28E-08	4.73E-08	4.16E-09	6.42E-08	1.45E-09	8.28E-09	9.88E-10	1.07E-08	1.31E-09	4.34E-09	2.99E-10	5.95E-09
5615	470162.84	3820149.28	1.52E-08	6.38E-08	5.74E-09	8.47E-08	1.27E-08	4.69E-08	4.12E-09	6.36E-08	1.43E-09	8.21E-09	9.80E-10	1.06E-08	1.30E-09	4.30E-09	2.96E-10	5.90E-09
5616	470172.53	3820149.41	1.51E-08	6.32E-08	5.69E-09	8.40E-08	1.25E-08	4.65E-08	4.09E-09	6.31E-08	1.42E-09	8.14E-09	9.71E-10	1.05E-08	1.29E-09	4.26E-09	2.94E-10	5.85E-09
5617	470182.23	3820149.55	1.49E-08	6.26E-08	5.64E-09	8.32E-08	1.24E-08	4.60E-08	4.05E-09	6.25E-08	1.41E-09	8.06E-09	9.62E-10	1.04E-08	1.28E-09	4.22E-09	2.91E-10	5.79E-09
5618	470191.93	3820149.68	1.48E-08	6.20E-08	5.58E-09	8.23E-08	1.23E-08	4.56E-08	4.01E-09	6.19E-08	1.39E-09	7.98E-09	9.52E-10	1.03E-08	1.27E-09	4.18E-09	2.88E-10	5.73E-09
5619	470201.63	3820149.82	1.46E-08	6.13E-08	5.52E-09	8.15E-08	1.22E-08	4.51E-08	3.97E-09	6.12E-08	1.38E-09	7.90E-09	9.42E-10	1.02E-08	1.25E-09	4.13E-09	2.85E-10	5.67E-09
5620	470211.32	3820149.95	1.44E-08	6.07E-08	5.46E-09	8.06E-08	1.20E-08	4.46E-08	3.92E-09	6.05E-08	1.36E-09	7.81E-09	9.32E-10	1.01E-08	1.24E-09	4.09E-09	2.82E-10	5.61E-09
5621	470221.02	3820150.09	1.43E-08	5.99E-08	5.40E-09	7.96E-08	1.19E-08	4.41E-08	3.88E-09	5.98E-08	1.35E-09	7.72E-09	9.21E-10	9.99E-09	1.23E-09	4.04E-09	2.79E-10	5.54E-09
5622	470230.72	3820150.22	1.41E-08	5.92E-08	5.33E-09	7.87E-08	1.17E-08	4.35E-08	3.83E-09	5.91E-08	1.33E-09	7.62E-09	9.10E-10	9.87E-09	1.21E-09	3.99E-09	2.75E-10	5.48E-09
5623	470240.41	3820150.36	1.39E-08	5.85E-08	5.27E-09	7.77E-08	1.16E-08	4.30E-08	3.78E-09	5.84E-08	1.32E-09	7.53E-09	8.99E-10	9.75E-09	1.20E-09	3.94E-09	2.72E-10	5.41E-09
5624	470250.11	3820150.49	1.38E-08	5.78E-08	5.20E-09	7.68E-08	1.15E-08	4.25E-08	3.74E-09	5.77E-08	1.30E-09	7.44E-09	8.88E-10	9.63E-09	1.18E-09	3.90E-09	2.69E-10	5.35E-09
5625	470259.81	3820150.63	1.36E-08	5.71E-08	5.14E-09	7.58E-08	1.13E-08	4.19E-08	3.69E-09	5.69E-08	1.28E-09	7.35E-09	8.77E-10	9.51E-09	1.17E-09	3.85E-09	2.65E-10	5.28E-09
5626	470049.49	3820209.15	1.38E-08	5.81E-08	5.23E-09	7.72E-08	1.15E-08	4.27E-08	3.76E-09	5.80E-08	1.31E-09	7.48E-09	8.93E-10	9.68E-09	1.19E-09	3.92E-09	2.70E-10	5.38E-09
5627	470040.62	3820205.31	1.39E-08	5.84E-08	5.26E-09	7.76E-08	1.16E-08	4.29E-08	3.78E-09	5.83E-08	1.31E-09	7.52E-09	8.97E-10	9.73E-09	1.19E-09	3.94E-09	2.71E-10	5.40E-09
5628	470031.75	3820201.47	1.40E-08	5.87E-08	5.28E-09	7.79E-08	1.16E-08	4.31E-08	3.79E-09	5.86E-08	1.32E-09	7.55E-09	9.01E-10	9.78E-09	1.20E-09	3.96E-09	2.73E-10	5.43E-09
5629	470022.88	3820197.64	1.40E-08	5.89E-08	5.30E-09	7.82E-08	1.17E-08	4.33E-08	3.81E-09	5.88E-08	1.32E-09	7.58E-09	9.04E-10	9.81E-09	1.20E-09	3.97E-09	2.74E-10	5.45E-09
5630	470014.01	3820193.8	1.41E-08	5.90E-08	5.32E-09	7.84E-08	1.17E-08	4.34E-08	3.82E-09	5.89E-08	1.33E-09	7.60E-09	9.07E-10	9.83E-09	1.21E-09	3.98E-09	2.74E-10	5.46E-09
5631	470005.14	3820189.97	1.41E-08	5.91E-08	5.32E-09	7.85E-08	1.17E-08	4.34E-08	3.82E-09	5.90E-08	1.33E-09	7.61E-09	9.08E-10	9.85E-09	1.21E-09	3.98E-09	2.75E-10	5.47E-09
5632	469996.27	3820186.13	1.41E-08	5.91E-08	5.33E-09	7.86E-08	1.17E-08	4.35E-08	3.82E-09	5.90E-08	1.33E-09	7.61E-09	9.08E-10	9.85E-09	1.21E-09	3.99E-09	2.75E-10	5.47E-09
5633	469987.4	3820182.29	1.41E-08	5.91E-08	5.32E-09	7.85E-08	1.17E-08	4.34E-08	3.82E-09	5.90E-08	1.33E-09	7.61E-09	9.08E-10	9.85E-09	1.21E-09	3.98E-09	2.75E-10	5.47E-09
5634	469978.53	3820178.46	1.41E-08	5.90E-08	5.32E-09	7.84E-08	1.17E-08	4.34E-08	3.82E-09	5.89E-08	1.33E-09	7.60E-09	9.07E-10	9.83E-09	1.21E-09	3.98E-09	2.74E-10	5.46E-09
5635	469969.66	3820174.62	1.40E-08	5.89E-08	5.30E-09	7.82E-08	1.17E-08	4.33E-08	3.81E-09	5.88E-08	1.32E-09	7.58E-09	9.05E-10	9.81E-09	1.20E-09	3.97E-09	2.74E-10	5.45E-09
5636	469960.79	3820170.79	1.40E-08	5.87E-08	5.29E-09	7.80E-08	1.16E-08	4.31E-08	3.79E-09	5.86E-08	1.32E-09	7.56E-09	9.02E-10	9.78E-09	1.20E-09	3.96E-09	2.73E-10	5.43E-09
5637	469951.92	3820166.95	1.39E-08	5.85E-08	5.26E-09	7.76E-08	1.16E-08	4.30E-08	3.78E-09	5.83E-08	1.31E-09	7.53E-09	8.98E-10	9.74E-09	1.19E-09	3.94E-09	2.72E-10	5.41E-09
5638	469943.05	3820163.12	1.38E-08	5.82E-08	5.24E-09	7.72E-08	1.15E-08	4.27E-08	3.76E-09	5.80E-08	1.31E-09	7.49E-09	8.93E-10	9.69E-09	1.19E-09	3.92E-09	2.70E-10	5.38E-09
5639	469934.17	3820159.28	1.38E-08	5.78E-08	5.21E-09	7.68E-08	1.15E-08	4.25E-08	3.74E-09	5.77E-08	1.30E-09	7.44E-09	8.88E-10	9.63E-09	1.18E-09	3.90E-09	2.69E-10	5.35E-09
5640	469925.3	3820155.44	1.37E-08	5.74E-08	5.17E-09	7.63E-08	1.14E-08	4.22E-08	3.71E-09	5.73E-08	1.29E-09	7.39E-09	8.82E-10	9.57E-09	1.17E-09	3.87E-09	2.67E-10	5.31E-09
5641	469916.43	3820151.61	1.36E-08	5.70E-08	5.14E-09	7.58E-08	1.13E-08	4.19E-08	3.69E-09	5.69E-08	1.28E-09	7.34E-09	8.76E-10	9.50E-09	1.17E-09	3.84E-09	2.65E-10	5.28E-09
5642	469907.56	3820147.77	1.35E-08	5.66E-08	5.10E-09	7.52E-08	1.12E-08	4.16E-08	3.66E-09	5.65E-08	1.27E-09	7.29E-09	8.69E-10	9.43E-09	1.16E-09	3.81E-09	2.63E-10	5.23E-09
5643	469898.69	3820143.94	1.34E-08	5.61E-08	5.05E-09	7.45E-08	1.11E-08	4.12E-08	3.63E-09	5.60E-08	1.26E-09	7.22E-09	8.62E-10	9.35E-09	1.15E-09	3.78E-09	2.61E-10	5.19E-09
5644	469889.82	3820140.1	1.32E-08	5.56E-08	5.01E-09	7.39E-08	1.10E-08	4.09E-08	3.60E-09	5.55E-08	1.25E-09	7.16E-09	8.54E-10	9.27E-09	1.14E-09	3.75E-09	2.58E-10	5.15E-09
5645	469880.95	3820136.27	1.31E-08	5.51E-08	4.96E-09	7.32E-08	1.09E-08	4.05E-08	3.56E-09	5.50E-08	1.24E-09	7.10E-09	8.47E-10	9.18E-09	1.13E-09	3.72E-09	2.56E-10	5.10E-09
5646	469872.08	3820132.43	1.30E-08	5.46E-08	4.92E-09	7.25E-08	1.08E-08	4.01E-08	3.53E-09	5.45E-08	1.23E-09	7.03E-09	8.38E-10	9.09E-09	1.12E-09	3.68E-09	2.54E-10	5.05E-09
5647	469863.21	3820128.59	1.29E-08	5.40E-08	4.87E-09	7.18E-08	1.07E-08	3.97E-08	3.49E-09	5.39E-08	1.21E-09	6.96E-09	8.30E-10	9.00E-09	1.10E-09	3.64E-09	2.51E-10	5.00E-09
5648	469854.34	3820124.76	1.27E-08	5.34E-08	4.81E-09	7.10E-08	1.06E-08	3.93E-08	3.45E-09	5.33E-08	1.20E-09	6.88E-09	8.21E-10	8.90E-09	1.09E-09	3.60E-09	2.48E-10	4.94E-09
5649	469845.47	3820120.92	1.26E-08	5.29E-08	4.76E-09	7.02E-08	1.05E-08	3.88E-08	3.42E-09	5.27E-08	1.19E-09	6.80E-09	8.12E-10	8.80E-09	1.08E-09	3.56E-09	2.46E-10	4.89E-09
5650	469836.6	3820117.09	1.24E-08	5.23E-08	4.71E-09	6.94E-08	1.04E-08	3.84E-08	3.38E-09	5.21E-08	1.18E-09	6.73E-09	8.03E-10	8.70E-09	1.07E-09	3.52E-09	2.43E-10	4.83E-09
5651	469827.73	3820113.25	1.23E-08	5.17E-08	4.65E-09	6.86E-08	1.02E-08	3.80E-08	3.34E-09	5.15E-08	1.16E-09	6.65E-09	7.93E-10	8.60E-09	1.06E-09	3.48E-09	2.40E-10	4.78E-09
5652	469818.86	3820109.41	1.22E-08	5.11E-08	4.60E-09	6.78E-08	1.01E-08	3.75E-08	3.30E-09	5.09E-08	1.15E-09	6.57E-09	7.84E-10	8.50E-09	1.04E-09	3.44E-09	2.37E-10	4.72E-09
5653	469809.99	3820105.58	1.20E-08	5.04E-08	4.54E-09	6.70E-08	1.00E-08	3.71E-08	3.26E-09	5.03E-08	1.13E-09	6.49E-09	7.75E-10	8.40E-09	1.03E-09	3.40E-09	2.34E-10	4.66E-09
5654	469801.12	3820101.74	1.19E-08	4.98E-08	4.49E-09	6.62E-08	9.88E-09	3.66E-08	3.22E-09	4.97E-08	1.12E-09	6.42E-09	7.65E-10	8.30E-09	1.02E-09	3.36E-09	2.32E-10	4.61E-09
5655	469792.25	3820097.91	1.17E-08	4.92E-08	4.43E-09	6.54E-08	9.76E-09	3.62E-08	3.18E-09	4.91E-08	1.11E-09	6.34E-09	7.56E-10	8.20E-09	1.01E-09	3.32E-09	2.29E-10	4.55E-09
5656	469783.38	3820094.07	1.16E-08	4.86E-08	4.38E-09	6.46E-08	9.65E-09	3.57E-08	3.14E-09	4.85E-08	1.09E-09	6.26E-09	7.47E-10	8.10E-09	9.94E-10	3.28E-09	2.26E-10	4.50E-09
5657	469774.51	3820090.24	1.14E-08	4.80E-08	4.33E-09	6.38E-08	9.53E-09	3.53E-08	3.11E-09	4.79E-08	1.08E-09	6.18E-09	7.38E-10	8.00E-09	9.82E-10	3.24E-09	2.23E-10	4.44E-09

5658	469765.64	3820086.4	1.13E-08	4.75E-08	4.27E-09	6.30E-08	9.41E-09	3.49E-08	3.07E-09	4.73E-08	1.07E-09	6.11E-09	7.29E-10	7.90E-09	9.70E-10	3.20E-09	2.20E-10	4.39E-09
5659	469756.77	3820082.56	1.12E-08	4.69E-08	4.22E-09	6.23E-08	9.30E-09	3.44E-08	3.03E-09	4.68E-08	1.05E-09	6.03E-09	7.20E-10	7.81E-09	9.58E-10	3.16E-09	2.18E-10	4.34E-09
5660	469747.9	3820078.73	1.10E-08	4.63E-08	4.17E-09	6.15E-08	9.18E-09	3.40E-08	2.99E-09	4.62E-08	1.04E-09	5.96E-09	7.11E-10	7.71E-09	9.46E-10	3.12E-09	2.15E-10	4.28E-09
5661	469739.03	3820074.89	1.09E-08	4.57E-08	4.12E-09	6.07E-08	9.07E-09	3.36E-08	2.96E-09	4.56E-08	1.03E-09	5.88E-09	7.02E-10	7.61E-09	9.35E-10	3.08E-09	2.12E-10	4.23E-09
5662	469730.16	3820071.06	1.07E-08	4.51E-08	4.07E-09	6.00E-08	8.95E-09	3.32E-08	2.92E-09	4.50E-08	1.02E-09	5.81E-09	6.93E-10	7.52E-09	9.23E-10	3.04E-09	2.10E-10	4.18E-09
5663	469721.28	3820067.22	1.06E-08	4.46E-08	4.01E-09	5.92E-08	8.84E-09	3.28E-08	2.88E-09	4.45E-08	1.00E-09	5.74E-09	6.85E-10	7.42E-09	9.11E-10	3.00E-09	2.07E-10	4.12E-09
5664	469712.41	3820063.38	1.05E-08	4.40E-08	3.96E-09	5.84E-08	8.73E-09	3.23E-08	2.84E-09	4.39E-08	9.90E-10	5.66E-09	6.76E-10	7.33E-09	9.00E-10	2.97E-09	2.04E-10	4.07E-09
5665	469588.23	3820009.68	8.56E-09	3.59E-08	3.24E-09	4.77E-08	7.13E-09	2.64E-08	2.32E-09	3.59E-08	8.08E-10	4.63E-09	5.52E-10	5.99E-09	7.35E-10	2.42E-09	1.67E-10	3.32E-09
5666	469579.36	3820005.85	8.41E-09	3.53E-08	3.18E-09	4.69E-08	7.01E-09	2.60E-08	2.28E-09	3.53E-08	7.95E-10	4.55E-09	5.43E-10	5.89E-09	7.22E-10	2.38E-09	1.64E-10	3.27E-09
5667	469570.49	3820002.01	8.27E-09	3.47E-08	3.13E-09	4.61E-08	6.89E-09	2.55E-08	2.24E-09	3.46E-08	7.81E-10	4.47E-09	5.33E-10	5.78E-09	7.10E-10	2.34E-09	1.61E-10	3.21E-09
5668	469561.62	3819998.18	8.12E-09	3.41E-08	3.07E-09	4.53E-08	6.77E-09	2.51E-08	2.20E-09	3.40E-08	7.67E-10	4.39E-09	5.24E-10	5.68E-09	6.97E-10	2.30E-09	1.58E-10	3.15E-09
5669	469552.75	3819994.34	7.97E-09	3.35E-08	3.02E-09	4.45E-08	6.64E-09	2.46E-08	2.16E-09	3.34E-08	7.53E-10	4.31E-09	5.14E-10	5.58E-09	6.85E-10	2.26E-09	1.56E-10	3.10E-09
5670	469540.34	3819981.51	7.79E-09	3.27E-08	2.95E-09	4.34E-08	6.49E-09	2.40E-08	2.11E-09	3.26E-08	7.36E-10	4.21E-09	5.02E-10	5.45E-09	6.69E-10	2.20E-09	1.52E-10	3.03E-09
5671	469536.81	3819972.51	7.75E-09	3.25E-08	2.93E-09	4.32E-08	6.45E-09	2.39E-08	2.10E-09	3.25E-08	7.32E-10	4.19E-09	5.00E-10	5.42E-09	6.65E-10	2.19E-09	1.51E-10	3.01E-09
5672	469533.28	3819963.52	7.70E-09	3.23E-08	2.91E-09	4.30E-08	6.42E-09	2.38E-08	2.09E-09	3.23E-08	7.27E-10	4.16E-09	4.97E-10	5.39E-09	6.61E-10	2.18E-09	1.50E-10	2.99E-09
5673	469529.75	3819954.52	7.65E-09	3.21E-08	2.89E-09	4.27E-08	6.37E-09	2.36E-08	2.08E-09	3.21E-08	7.23E-10	4.14E-09	4.94E-10	5.35E-09	6.57E-10	2.17E-09	1.49E-10	2.97E-09
5674	469526.21	3819945.53	7.60E-09	3.19E-08	2.87E-09	4.24E-08	6.33E-09	2.34E-08	2.06E-09	3.18E-08	7.17E-10	4.11E-09	4.90E-10	5.31E-09	6.52E-10	2.15E-09	1.48E-10	2.95E-09
5675	469522.68	3819936.53	7.53E-09	3.16E-08	2.85E-09	4.20E-08	6.27E-09	2.32E-08	2.04E-09	3.16E-08	7.11E-10	4.07E-09	4.86E-10	5.27E-09	6.47E-10	2.13E-09	1.47E-10	2.93E-09
5676	469519.15	3819927.54	7.47E-09	3.14E-08	2.82E-09	4.16E-08	6.22E-09	2.30E-08	2.03E-09	3.13E-08	7.05E-10	4.04E-09	4.82E-10	5.22E-09	6.41E-10	2.11E-09	1.46E-10	2.90E-09
5677	469515.62	3819918.54	7.39E-09	3.10E-08	2.80E-09	4.12E-08	6.16E-09	2.28E-08	2.01E-09	3.10E-08	6.98E-10	4.00E-09	4.77E-10	5.17E-09	6.35E-10	2.09E-09	1.44E-10	2.87E-09
5678	469512.08	3819909.55	7.32E-09	3.07E-08	2.77E-09	4.08E-08	6.09E-09	2.26E-08	1.99E-09	3.07E-08	6.91E-10	3.95E-09	4.72E-10	5.12E-09	6.28E-10	2.07E-09	1.43E-10	2.84E-09
5679	469508.55	3819900.55	7.23E-09	3.04E-08	2.74E-09	4.03E-08	6.02E-09	2.23E-08	1.96E-09	3.03E-08	6.83E-10	3.91E-09	4.66E-10	5.06E-09	6.21E-10	2.05E-09	1.41E-10	2.81E-09
5680	469505.02	3819891.55	7.14E-09	3.00E-08	2.70E-09	3.98E-08	5.95E-09	2.20E-08	1.94E-09	2.99E-08	6.75E-10	3.86E-09	4.61E-10	5.00E-09	6.13E-10	2.02E-09	1.39E-10	2.78E-09
5681	469501.49	3819882.56	7.05E-09	2.96E-08	2.67E-09	3.93E-08	5.87E-09	2.18E-08	1.91E-09	2.95E-08	6.66E-10	3.81E-09	4.55E-10	4.93E-09	6.05E-10	2.00E-09	1.38E-10	2.74E-09
5682	469497.95	3819873.56	6.95E-09	2.92E-08	2.63E-09	3.88E-08	5.79E-09	2.15E-08	1.89E-09	2.91E-08	6.56E-10	3.76E-09	4.48E-10	4.86E-09	5.97E-10	1.97E-09	1.36E-10	2.70E-09
5683	469494.42	3819864.57	6.85E-09	2.88E-08	2.59E-09	3.82E-08	5.70E-09	2.11E-08	1.86E-09	2.87E-08	6.47E-10	3.70E-09	4.42E-10	4.79E-09	5.88E-10	1.94E-09	1.34E-10	2.66E-09
5684	469490.89	3819855.57	6.74E-09	2.83E-08	2.55E-09	3.76E-08	5.61E-09	2.08E-08	1.83E-09	2.82E-08	6.36E-10	3.64E-09	4.35E-10	4.71E-09	5.79E-10	1.91E-09	1.32E-10	2.62E-09
5685	469487.36	3819846.58	6.63E-09	2.78E-08	2.51E-09	3.70E-08	5.52E-09	2.04E-08	1.80E-09	2.78E-08	6.26E-10	3.58E-09	4.27E-10	4.64E-09	5.69E-10	1.88E-09	1.29E-10	2.57E-09
5686	469444.96	3819738.63	5.02E-09	2.11E-08	1.90E-09	2.80E-08	4.18E-09	1.55E-08	1.36E-09	2.11E-08	4.74E-10	2.72E-09	3.24E-10	3.51E-09	4.31E-10	1.42E-09	9.80E-11	1.95E-09
5687	469441.43	3819729.64	4.88E-09	2.05E-08	1.85E-09	2.72E-08	4.06E-09	1.51E-08	1.32E-09	2.04E-08	4.61E-10	2.64E-09	3.15E-10	3.41E-09	4.19E-10	1.38E-09	9.52E-11	1.90E-09
5688	469437.9	3819720.64	4.74E-09	1.99E-08	1.79E-09	2.64E-08	3.95E-09	1.46E-08	1.29E-09	1.99E-08	4.47E-10	2.56E-09	3.06E-10	3.31E-09	4.07E-10	1.34E-09	9.24E-11	1.84E-09
5689	469434.37	3819711.64	4.59E-09	1.93E-08	1.74E-09	2.56E-08	3.83E-09	1.42E-08	1.25E-09	1.93E-08	4.34E-10	2.48E-09	2.96E-10	3.21E-09	3.94E-10	1.30E-09	8.97E-11	1.78E-09
5690	469430.83	3819702.65	4.45E-09	1.87E-08	1.68E-09	2.48E-08	3.71E-09	1.37E-08	1.21E-09	1.87E-08	4.20E-10	2.41E-09	2.87E-10	3.11E-09	3.82E-10	1.26E-09	8.69E-11	1.73E-09
5691	469427.3	3819693.65	4.31E-09	1.81E-08	1.63E-09	2.40E-08	3.59E-09	1.33E-08	1.17E-09	1.80E-08	4.07E-10	2.33E-09	2.78E-10	3.01E-09	3.70E-10	1.22E-09	8.40E-11	1.67E-09
5692	469423.77	3819684.66	4.16E-09	1.75E-08	1.57E-09	2.32E-08	3.47E-09	1.28E-08	1.13E-09	1.74E-08	3.93E-10	2.25E-09	2.69E-10	2.91E-09	3.57E-10	1.18E-09	8.12E-11	1.62E-09
5693	469420.24	3819675.66	4.02E-09	1.69E-08	1.52E-09	2.24E-08	3.35E-09	1.24E-08	1.09E-09	1.68E-08	3.80E-10	2.17E-09	2.59E-10	2.81E-09	3.45E-10	1.14E-09	7.84E-11	1.56E-09
5694	469416.7	3819666.67	3.88E-09	1.63E-08	1.47E-09	2.17E-08	3.24E-09	1.20E-08	1.05E-09	1.63E-08	3.67E-10	2.10E-09	2.51E-10	2.72E-09	3.33E-10	1.10E-09	7.58E-11	1.51E-09
5695	469413.17	3819657.67	3.75E-09	1.58E-08	1.42E-09	2.09E-08	3.12E-09	1.16E-08	1.02E-09	1.57E-08	3.54E-10	2.03E-09	2.42E-10	2.62E-09	3.22E-10	1.06E-09	7.32E-11	1.46E-09
5696	469409.64	3819648.68	3.62E-09	1.52E-08	1.37E-09	2.02E-08	3.02E-09	1.12E-08	9.83E-10	1.52E-08	3.42E-10	1.96E-09	2.34E-10	2.53E-09	3.11E-10	1.03E-09	7.07E-11	1.41E-09
5697	469406.11	3819639.68	3.49E-09	1.47E-08	1.32E-09	1.95E-08	2.91E-09	1.08E-08	9.49E-10	1.46E-08	3.30E-10	1.89E-09	2.25E-10	2.44E-09	3.00E-10	9.89E-10	6.82E-11	1.36E-09
5698	469402.57	3819630.69	3.37E-09	1.42E-08	1.27E-09	1.88E-08	2.81E-09	1.04E-08	9.15E-10	1.41E-08	3.18E-10	1.82E-09	2.17E-10	2.36E-09	2.89E-10	9.54E-10	6.58E-11	1.31E-09
5699	469399.04	3819621.69	3.25E-09	1.36E-08	1.23E-09	1.81E-08	2.71E-09	1.00E-08	8.82E-10	1.36E-08	3.07E-10	1.76E-09	2.10E-10	2.27E-09	2.79E-10	9.20E-10	6.34E-11	1.26E-09
5700	469395.51	3819612.69	3.13E-09	1.31E-08	1.18E-09	1.75E-08	2.61E-09	9.66E-09	8.50E-10	1.31E-08	2.96E-10	1.69E-09	2.02E-10	2.19E-09	2.69E-10	8.86E-10	6.11E-11	1.22E-09
5701	469391.98	3819603.7	3.01E-09	1.27E-08	1.14E-09	1.68E-08	2.51E-09	9.30E-09	8.18E-10	1.26E-08	2.85E-10	1.63E-09	1.94E-10	2.11E-09	2.59E-10	8.53E-10	5.88E-11	1.17E-09
5702	469388.44	3819594.7	2.90E-09	1.22E-08	1.10E-09	1.62E-08	2.42E-09	8.95E-09	7.87E-10	1.21E-08	2.74E-10	1.57E-09	1.87E-10	2.03E-09	2.49E-10	8.21E-10	5.66E-11	1.13E-09
5703	469384.91	3819585.71	2.79E-09	1.17E-08	1.06E-09	1.56E-08	2.32E-09	8.61E-09	7.57E-10	1.17E-08	2.63E-10	1.51E-09	1.80E-10	1.95E-09	2.39E-10	7.90E-10	5.44E-11	1.08E-09
5704	469381.38	3819576.71	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.29E-09	7.30E-10	1.13E-08	2.54E-10	1.45E-09	1.73E-10	1.88E-09	2.31E-10	7.61E-10	5.24E-11	1.04E-09
5705	469377.85	3819567.72	2.59E-09	1.09E-08	9.79E-10	1.44E-08	2.16E-09	7.99E-09	7.03E-10	1.08E-08	2.45E-10	1.40E-09	1.67E-10	1.81E-09	2.22E-10	7.33E-10	5.05E-11	1.01E-09
5706	469374.31	3819558.72	2.49E-09	1.05E-08	9.43E-10	1.39E-08	2.08E-09	7.70E-09	6.77E-10	1.05E-08	2.36E-10	1.35E-09	1.61E-10	1.75E-09	2.14E-10	7.06E-10	4.87E-11	9.69E-10
5707	469370.78	3819549.73	2.40E-09	1.01E-08	9.09E-10	1.34E-08	2.00E-09	7.42E-09	6.53E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.68E-09	2.06E-10	6.81E-10	4.69E-11	9.34E-10
5708	469367.25	3819540.73	2.32E-09	9.73E-09	8.76E-10	1.29E-08	1.93E-09	7.15E-09	6.29E-10	9.71E-09	2.19E-10	1.25E-09	1.49E-10	1.62E-09	1.99E-10	6.56E-10	4.52E-11	9.00E-10

5709	469363.71	3819531.74	2.23E-09	9.38E-09	8.45E-10	1.25E-08	1.86E-09	6.90E-09	6.07E-10	9.36E-09	2.11E-10	1.21E-09	1.44E-10	1.56E-09	1.92E-10	6.33E-10	4.36E-11	8.68E-10
5710	469360.18	3819522.74	2.16E-09	9.05E-09	8.15E-10	1.20E-08	1.80E-09	6.65E-09	5.85E-10	9.03E-09	2.04E-10	1.17E-09	1.39E-10	1.51E-09	1.85E-10	6.10E-10	4.21E-11	8.37E-10
5711	469356.65	3819513.74	2.08E-09	8.74E-09	7.87E-10	1.16E-08	1.73E-09	6.42E-09	5.65E-10	8.72E-09	1.96E-10	1.12E-09	1.34E-10	1.46E-09	1.79E-10	5.89E-10	4.06E-11	8.08E-10
5712	469353.12	3819504.75	2.01E-09	8.43E-09	7.59E-10	1.12E-08	1.67E-09	6.20E-09	5.45E-10	8.41E-09	1.90E-10	1.09E-09	1.30E-10	1.40E-09	1.72E-10	5.68E-10	3.92E-11	7.80E-10
5713	469349.58	3819495.75	1.94E-09	8.15E-09	7.34E-10	1.08E-08	1.62E-09	5.99E-09	5.27E-10	8.13E-09	1.83E-10	1.05E-09	1.25E-10	1.36E-09	1.67E-10	5.49E-10	3.79E-11	7.54E-10
5714	469346.05	3819486.76	1.88E-09	7.87E-09	7.09E-10	1.05E-08	1.56E-09	5.79E-09	5.09E-10	7.86E-09	1.77E-10	1.01E-09	1.21E-10	1.31E-09	1.61E-10	5.31E-10	3.66E-11	7.28E-10
5715	469342.52	3819477.76	1.81E-09	7.62E-09	6.86E-10	1.01E-08	1.51E-09	5.60E-09	4.92E-10	7.60E-09	1.71E-10	9.80E-10	1.17E-10	1.27E-09	1.56E-10	5.13E-10	3.54E-11	7.04E-10
5716	469338.99	3819468.77	1.76E-09	7.37E-09	6.64E-10	9.79E-09	1.46E-09	5.42E-09	4.76E-10	7.35E-09	1.66E-10	9.49E-10	1.13E-10	1.23E-09	1.51E-10	4.97E-10	3.42E-11	6.82E-10
5717	469335.45	3819459.77	1.70E-09	7.13E-09	6.42E-10	9.47E-09	1.41E-09	5.24E-09	4.61E-10	7.12E-09	1.60E-10	9.18E-10	1.10E-10	1.19E-09	1.46E-10	4.81E-10	3.31E-11	6.60E-10
5718	469331.92	3819450.78	1.64E-09	6.90E-09	6.21E-10	9.16E-09	1.37E-09	5.07E-09	4.46E-10	6.88E-09	1.55E-10	8.88E-10	1.06E-10	1.15E-09	1.41E-10	4.65E-10	3.20E-11	6.38E-10
5719	469328.39	3819441.78	1.59E-09	6.68E-09	6.01E-10	8.87E-09	1.32E-09	4.91E-09	4.32E-10	6.66E-09	1.50E-10	8.60E-10	1.03E-10	1.11E-09	1.37E-10	4.50E-10	3.10E-11	6.18E-10
5720	470093.84	3820228.32	1.33E-08	5.58E-08	5.03E-09	7.41E-08	1.11E-08	4.10E-08	3.61E-09	5.57E-08	1.25E-09	7.18E-09	8.57E-10	9.30E-09	1.14E-09	3.76E-09	2.59E-10	5.16E-09
5721	470103.54	3820228.46	1.32E-08	5.56E-08	5.01E-09	7.39E-08	1.10E-08	4.09E-08	3.60E-09	5.55E-08	1.25E-09	7.16E-09	8.54E-10	9.26E-09	1.14E-09	3.75E-09	2.58E-10	5.14E-09
5722	470113.24	3820228.59	1.32E-08	5.54E-08	4.99E-09	7.36E-08	1.10E-08	4.07E-08	3.58E-09	5.53E-08	1.25E-09	7.13E-09	8.51E-10	9.23E-09	1.13E-09	3.73E-09	2.57E-10	5.12E-09
5723	470122.93	3820228.73	1.31E-08	5.51E-08	4.96E-09	7.32E-08	1.09E-08	4.05E-08	3.56E-09	5.50E-08	1.24E-09	7.09E-09	8.46E-10	9.18E-09	1.13E-09	3.71E-09	2.56E-10	5.10E-09
5724	470132.63	3820228.86	1.30E-08	5.48E-08	4.93E-09	7.28E-08	1.09E-08	4.02E-08	3.54E-09	5.47E-08	1.23E-09	7.05E-09	8.41E-10	9.12E-09	1.12E-09	3.69E-09	2.55E-10	5.07E-09
5725	470142.33	3820229	1.30E-08	5.44E-08	4.90E-09	7.23E-08	1.08E-08	4.00E-08	3.52E-09	5.43E-08	1.22E-09	7.00E-09	8.36E-10	9.06E-09	1.11E-09	3.67E-09	2.53E-10	5.03E-09
5726	470152.03	3820229.13	1.29E-08	5.40E-08	4.86E-09	7.17E-08	1.07E-08	3.97E-08	3.49E-09	5.39E-08	1.21E-09	6.95E-09	8.29E-10	8.99E-09	1.10E-09	3.64E-09	2.51E-10	4.99E-09
5727	470161.72	3820229.27	1.27E-08	5.35E-08	4.82E-09	7.11E-08	1.06E-08	3.93E-08	3.46E-09	5.34E-08	1.20E-09	6.89E-09	8.22E-10	8.92E-09	1.09E-09	3.61E-09	2.49E-10	4.95E-09
5728	470171.42	3820229.4	1.26E-08	5.31E-08	4.78E-09	7.05E-08	1.05E-08	3.90E-08	3.43E-09	5.29E-08	1.19E-09	6.83E-09	8.15E-10	8.84E-09	1.08E-09	3.58E-09	2.47E-10	4.91E-09
5729	470181.12	3820229.54	1.25E-08	5.26E-08	4.73E-09	6.98E-08	1.04E-08	3.86E-08	3.40E-09	5.24E-08	1.18E-09	6.77E-09	8.07E-10	8.75E-09	1.07E-09	3.54E-09	2.44E-10	4.86E-09
5730	470190.81	3820229.67	1.24E-08	5.20E-08	4.69E-09	6.91E-08	1.03E-08	3.82E-08	3.36E-09	5.19E-08	1.17E-09	6.70E-09	7.99E-10	8.67E-09	1.06E-09	3.51E-09	2.42E-10	4.81E-09
5731	470200.51	3820229.81	1.23E-08	5.15E-08	4.64E-09	6.84E-08	1.02E-08	3.78E-08	3.33E-09	5.14E-08	1.16E-09	6.63E-09	7.91E-10	8.58E-09	1.05E-09	3.47E-09	2.39E-10	4.76E-09
5732	470210.21	3820229.94	1.21E-08	5.09E-08	4.59E-09	6.76E-08	1.01E-08	3.74E-08	3.29E-09	5.08E-08	1.15E-09	6.56E-09	7.82E-10	8.48E-09	1.04E-09	3.43E-09	2.37E-10	4.71E-09
5733	470219.91	3820230.08	1.20E-08	5.04E-08	4.53E-09	6.69E-08	9.99E-09	3.70E-08	3.25E-09	5.02E-08	1.13E-09	6.48E-09	7.73E-10	8.39E-09	1.03E-09	3.39E-09	2.34E-10	4.66E-09
5734	470229.6	3820230.21	1.19E-08	4.98E-08	4.48E-09	6.61E-08	9.87E-09	3.66E-08	3.22E-09	4.97E-08	1.12E-09	6.41E-09	7.65E-10	8.29E-09	1.02E-09	3.36E-09	2.31E-10	4.60E-09
5735	470239.3	3820230.35	1.17E-08	4.92E-08	4.43E-09	6.54E-08	9.76E-09	3.62E-08	3.18E-09	4.91E-08	1.11E-09	6.33E-09	7.56E-10	8.20E-09	1.01E-09	3.32E-09	2.29E-10	4.55E-09
5736	470249	3820230.48	1.16E-08	4.86E-08	4.38E-09	6.46E-08	9.65E-09	3.57E-08	3.14E-09	4.85E-08	1.09E-09	6.26E-09	7.47E-10	8.10E-09	9.94E-10	3.28E-09	2.26E-10	4.50E-09
5737	470258.7	3820230.62	1.14E-08	4.81E-08	4.33E-09	6.38E-08	9.53E-09	3.53E-08	3.11E-09	4.80E-08	1.08E-09	6.19E-09	7.38E-10	8.01E-09	9.83E-10	3.24E-09	2.23E-10	4.45E-09
5738	470268.39	3820230.75	1.13E-08	4.75E-08	4.28E-09	6.31E-08	9.42E-09	3.49E-08	3.07E-09	4.74E-08	1.07E-09	6.11E-09	7.29E-10	7.91E-09	9.71E-10	3.20E-09	2.21E-10	4.39E-09
5739	470083.94	3820304.52	1.15E-08	4.82E-08	4.34E-09	6.40E-08	9.55E-09	3.54E-08	3.11E-09	4.81E-08	1.08E-09	6.20E-09	7.40E-10	8.02E-09	9.85E-10	3.25E-09	2.24E-10	4.45E-09
5740	470075.15	3820300.72	1.16E-08	4.86E-08	4.38E-09	6.46E-08	9.64E-09	3.57E-08	3.14E-09	4.85E-08	1.09E-09	6.26E-09	7.46E-10	8.10E-09	9.94E-10	3.28E-09	2.26E-10	4.50E-09
5741	470066.36	3820296.92	1.17E-08	4.90E-08	4.41E-09	6.51E-08	9.72E-09	3.60E-08	3.17E-09	4.89E-08	1.10E-09	6.31E-09	7.53E-10	8.16E-09	1.00E-09	3.30E-09	2.28E-10	4.53E-09
5742	470057.58	3820293.12	1.18E-08	4.94E-08	4.45E-09	6.56E-08	9.79E-09	3.63E-08	3.19E-09	4.93E-08	1.11E-09	6.36E-09	7.58E-10	8.23E-09	1.01E-09	3.33E-09	2.29E-10	4.57E-09
5743	470048.79	3820289.32	1.18E-08	4.97E-08	4.48E-09	6.60E-08	9.86E-09	3.65E-08	3.21E-09	4.96E-08	1.12E-09	6.40E-09	7.64E-10	8.28E-09	1.02E-09	3.35E-09	2.31E-10	4.60E-09
5744	470040	3820285.52	1.19E-08	5.00E-08	4.50E-09	6.64E-08	9.92E-09	3.68E-08	3.23E-09	4.99E-08	1.12E-09	6.44E-09	7.68E-10	8.33E-09	1.02E-09	3.37E-09	2.32E-10	4.63E-09
5745	470031.21	3820281.72	1.20E-08	5.03E-08	4.53E-09	6.68E-08	9.97E-09	3.69E-08	3.25E-09	5.02E-08	1.13E-09	6.47E-09	7.72E-10	8.37E-09	1.03E-09	3.39E-09	2.34E-10	4.65E-09
5746	470022.42	3820277.92	1.20E-08	5.05E-08	4.55E-09	6.70E-08	1.00E-08	3.71E-08	3.26E-09	5.04E-08	1.14E-09	6.50E-09	7.75E-10	8.41E-09	1.03E-09	3.40E-09	2.35E-10	4.67E-09
5747	470013.64	3820274.12	1.21E-08	5.07E-08	4.56E-09	6.73E-08	1.00E-08	3.72E-08	3.27E-09	5.05E-08	1.14E-09	6.52E-09	7.78E-10	8.44E-09	1.04E-09	3.41E-09	2.35E-10	4.69E-09
5748	470004.85	3820270.31	1.21E-08	5.08E-08	4.58E-09	6.75E-08	1.01E-08	3.73E-08	3.28E-09	5.07E-08	1.14E-09	6.54E-09	7.80E-10	8.46E-09	1.04E-09	3.42E-09	2.36E-10	4.70E-09
5749	469996.06	3820266.51	1.21E-08	5.09E-08	4.58E-09	6.76E-08	1.01E-08	3.74E-08	3.29E-09	5.08E-08	1.14E-09	6.55E-09	7.82E-10	8.48E-09	1.04E-09	3.43E-09	2.37E-10	4.71E-09
5750	469952.12	3820247.51	1.21E-08	5.07E-08	4.57E-09	6.74E-08	1.01E-08	3.73E-08	3.28E-09	5.06E-08	1.14E-09	6.53E-09	7.79E-10	8.45E-09	1.04E-09	3.42E-09	2.36E-10	4.69E-09
5751	469943.33	3820243.71	1.20E-08	5.06E-08	4.55E-09	6.72E-08	1.00E-08	3.72E-08	3.27E-09	5.04E-08	1.14E-09	6.51E-09	7.77E-10	8.42E-09	1.03E-09	3.41E-09	2.35E-10	4.68E-09
5752	469934.54	3820239.91	1.20E-08	5.04E-08	4.54E-09	6.69E-08	9.99E-09	3.70E-08	3.26E-09	5.03E-08	1.13E-09	6.48E-09	7.74E-10	8.39E-09	1.03E-09	3.40E-09	2.34E-10	4.66E-09
5753	469925.76	3820236.11	1.19E-08	5.01E-08	4.52E-09	6.66E-08	9.95E-09	3.68E-08	3.24E-09	5.00E-08	1.13E-09	6.46E-09	7.70E-10	8.35E-09	1.03E-09	3.38E-09	2.33E-10	4.64E-09
5754	469916.97	3820232.31	1.19E-08	4.99E-08	4.49E-09	6.63E-08	9.89E-09	3.67E-08	3.22E-09	4.98E-08	1.12E-09	6.42E-09	7.66E-10	8.31E-09	1.02E-09	3.36E-09	2.32E-10	4.61E-09
5755	469908.18	3820228.51	1.18E-08	4.96E-08	4.47E-09	6.59E-08	9.83E-09	3.64E-08	3.21E-09	4.95E-08	1.11E-09	6.38E-09	7.62E-10	8.26E-09	1.01E-09	3.34E-09	2.30E-10	4.59E-09
5756	469899.39	3820224.71	1.17E-08	4.93E-08	4.44E-09	6.54E-08	9.77E-09	3.62E-08	3.18E-09	4.91E-08	1.11E-09	6.34E-09	7.56E-10	8.20E-09	1.01E-09	3.32E-09	2.29E-10	4.56E-09
5757	469890.6	3820220.91	1.16E-08	4.89E-08	4.41E-09	6.50E-08	9.70E-09	3.59E-08	3.16E-09	4.88E-08	1.10E-09	6.30E-09	7.51E-10	8.15E-09	1.00E-09	3.30E-09	2.27E-10	4.52E-09
5758	469881.82	3820217.11	1.16E-08	4.86E-08	4.37E-09	6.45E-08	9.63E-09	3.57E-08	3.14E-09	4.84E-08	1.09E-09	6.25E-09	7.46E-10	8.09E-09	9.93E-10	3.27E-09	2.26E-10	4.49E-09
5759	469873.03	3820213.31	1.15E-08	4.82E-08	4.34E-09	6.40E-08	9.56E-09	3.54E-08	3.11E-09	4.81E-08	1.08E-09	6.20E-09	7.40E-10	8.02E-09	9.85E-10	3.25E-09	2.24E-10	4.46E-09

5760	469864.24	3820209.51	1.14E-08	4.78E-08	4.30E-09	6.34E-08	9.47E-09	3.51E-08	3.09E-09	4.77E-08	1.07E-09	6.15E-09	7.34E-10	7.96E-09	9.76E-10	3.22E-09	2.22E-10	4.42E-09
5761	469855.45	3820205.71	1.13E-08	4.73E-08	4.26E-09	6.29E-08	9.39E-09	3.48E-08	3.06E-09	4.72E-08	1.06E-09	6.09E-09	7.27E-10	7.88E-09	9.68E-10	3.19E-09	2.20E-10	4.38E-09
5762	469846.66	3820201.91	1.12E-08	4.69E-08	4.22E-09	6.23E-08	9.30E-09	3.45E-08	3.03E-09	4.68E-08	1.05E-09	6.04E-09	7.20E-10	7.81E-09	9.58E-10	3.16E-09	2.18E-10	4.34E-09
5763	469837.88	3820198.11	1.11E-08	4.64E-08	4.18E-09	6.17E-08	9.21E-09	3.41E-08	3.00E-09	4.63E-08	1.04E-09	5.98E-09	7.13E-10	7.73E-09	9.49E-10	3.13E-09	2.16E-10	4.29E-09
5764	469829.09	3820194.31	1.09E-08	4.60E-08	4.14E-09	6.11E-08	9.12E-09	3.38E-08	2.97E-09	4.59E-08	1.03E-09	5.92E-09	7.06E-10	7.66E-09	9.40E-10	3.10E-09	2.14E-10	4.25E-09
5765	469820.3	3820190.51	1.08E-08	4.55E-08	4.10E-09	6.04E-08	9.02E-09	3.34E-08	2.94E-09	4.54E-08	1.02E-09	5.86E-09	6.99E-10	7.58E-09	9.30E-10	3.07E-09	2.11E-10	4.21E-09
5766	469811.51	3820186.71	1.07E-08	4.50E-08	4.05E-09	5.98E-08	8.93E-09	3.31E-08	2.91E-09	4.49E-08	1.01E-09	5.80E-09	6.91E-10	7.50E-09	9.20E-10	3.03E-09	2.09E-10	4.16E-09
5767	469802.72	3820182.91	1.06E-08	4.45E-08	4.01E-09	5.92E-08	8.83E-09	3.27E-08	2.88E-09	4.44E-08	1.00E-09	5.73E-09	6.84E-10	7.42E-09	9.10E-10	3.00E-09	2.07E-10	4.12E-09
5768	469793.94	3820179.11	1.05E-08	4.41E-08	3.97E-09	5.85E-08	8.74E-09	3.24E-08	2.85E-09	4.40E-08	9.91E-10	5.67E-09	6.77E-10	7.34E-09	9.01E-10	2.97E-09	2.05E-10	4.08E-09
5769	469785.15	3820175.31	1.04E-08	4.36E-08	3.93E-09	5.79E-08	8.65E-09	3.20E-08	2.82E-09	4.35E-08	9.80E-10	5.61E-09	6.69E-10	7.26E-09	8.91E-10	2.94E-09	2.03E-10	4.03E-09
5770	469776.36	3820171.51	1.03E-08	4.31E-08	3.88E-09	5.72E-08	8.55E-09	3.17E-08	2.79E-09	4.30E-08	9.69E-10	5.55E-09	6.62E-10	7.18E-09	8.81E-10	2.91E-09	2.00E-10	3.99E-09
5771	469767.57	3820167.71	1.02E-08	4.26E-08	3.84E-09	5.66E-08	8.45E-09	3.13E-08	2.76E-09	4.25E-08	9.58E-10	5.49E-09	6.55E-10	7.10E-09	8.71E-10	2.87E-09	1.98E-10	3.94E-09
5772	469758.78	3820163.91	1.00E-08	4.22E-08	3.80E-09	5.60E-08	8.36E-09	3.10E-08	2.72E-09	4.21E-08	9.48E-10	5.43E-09	6.47E-10	7.02E-09	8.62E-10	2.84E-09	1.96E-10	3.90E-09
5773	469750	3820160.11	9.93E-09	4.17E-08	3.75E-09	5.54E-08	8.27E-09	3.06E-08	2.69E-09	4.16E-08	9.37E-10	5.37E-09	6.40E-10	6.94E-09	8.52E-10	2.81E-09	1.94E-10	3.86E-09
5774	469741.21	3820156.31	9.81E-09	4.12E-08	3.71E-09	5.47E-08	8.18E-09	3.03E-08	2.66E-09	4.11E-08	9.27E-10	5.31E-09	6.33E-10	6.87E-09	8.43E-10	2.78E-09	1.92E-10	3.81E-09
5775	469732.42	3820152.51	9.70E-09	4.08E-08	3.67E-09	5.41E-08	8.08E-09	2.99E-08	2.63E-09	4.07E-08	9.16E-10	5.25E-09	6.26E-10	6.79E-09	8.33E-10	2.75E-09	1.89E-10	3.77E-09
5776	469723.63	3820148.71	9.59E-09	4.03E-08	3.63E-09	5.35E-08	7.99E-09	2.96E-08	2.60E-09	4.02E-08	9.06E-10	5.19E-09	6.19E-10	6.71E-09	8.24E-10	2.72E-09	1.87E-10	3.73E-09
5777	469714.84	3820144.91	9.49E-09	3.98E-08	3.59E-09	5.29E-08	7.90E-09	2.93E-08	2.58E-09	3.97E-08	8.96E-10	5.13E-09	6.12E-10	6.64E-09	8.14E-10	2.69E-09	1.85E-10	3.68E-09
5778	469706.06	3820141.11	9.38E-09	3.94E-08	3.55E-09	5.23E-08	7.81E-09	2.89E-08	2.55E-09	3.93E-08	8.86E-10	5.07E-09	6.05E-10	6.56E-09	8.05E-10	2.65E-09	1.83E-10	3.64E-09
5779	469521.51	3820061.31	7.17E-09	3.01E-08	2.71E-09	4.00E-08	5.97E-09	2.21E-08	1.95E-09	3.00E-08	6.77E-10	3.88E-09	4.62E-10	5.02E-09	6.15E-10	2.03E-09	1.40E-10	2.78E-09
5780	469512.72	3820057.51	7.06E-09	2.96E-08	2.67E-09	3.94E-08	5.88E-09	2.18E-08	1.92E-09	2.96E-08	6.66E-10	3.81E-09	4.55E-10	4.94E-09	6.06E-10	2.00E-09	1.38E-10	2.74E-09
5781	469503.93	3820053.71	6.94E-09	2.91E-08	2.62E-09	3.87E-08	5.78E-09	2.14E-08	1.88E-09	2.91E-08	6.55E-10	3.75E-09	4.48E-10	4.86E-09	5.96E-10	1.96E-09	1.35E-10	2.70E-09
5782	469495.14	3820049.91	6.83E-09	2.87E-08	2.58E-09	3.81E-08	5.69E-09	2.11E-08	1.85E-09	2.86E-08	6.45E-10	3.69E-09	4.40E-10	4.78E-09	5.86E-10	1.93E-09	1.33E-10	2.65E-09
5783	469482.86	3820037.19	6.68E-09	2.81E-08	2.53E-09	3.73E-08	5.57E-09	2.06E-08	1.81E-09	2.80E-08	6.31E-10	3.61E-09	4.31E-10	4.67E-09	5.74E-10	1.89E-09	1.30E-10	2.60E-09
5784	469472.36	3820010.46	6.57E-09	2.76E-08	2.49E-09	3.67E-08	5.48E-09	2.03E-08	1.78E-09	2.76E-08	6.21E-10	3.55E-09	4.24E-10	4.60E-09	5.64E-10	1.86E-09	1.28E-10	2.55E-09
5785	469468.86	3820001.55	6.53E-09	2.74E-08	2.47E-09	3.64E-08	5.44E-09	2.02E-08	1.77E-09	2.74E-08	6.17E-10	3.53E-09	4.21E-10	4.57E-09	5.61E-10	1.85E-09	1.27E-10	2.54E-09
5786	469465.36	3819992.63	6.48E-09	2.72E-08	2.45E-09	3.62E-08	5.40E-09	2.00E-08	1.76E-09	2.72E-08	6.12E-10	3.50E-09	4.18E-10	4.53E-09	5.56E-10	1.83E-09	1.26E-10	2.52E-09
5787	469461.86	3819983.72	6.43E-09	2.70E-08	2.43E-09	3.59E-08	5.36E-09	1.98E-08	1.75E-09	2.69E-08	6.07E-10	3.48E-09	4.15E-10	4.50E-09	5.52E-10	1.82E-09	1.25E-10	2.50E-09
5788	469458.36	3819974.81	6.37E-09	2.68E-08	2.41E-09	3.56E-08	5.31E-09	1.97E-08	1.73E-09	2.67E-08	6.02E-10	3.45E-09	4.11E-10	4.46E-09	5.47E-10	1.80E-09	1.24E-10	2.48E-09
5789	469454.86	3819965.9	6.32E-09	2.65E-08	2.39E-09	3.52E-08	5.26E-09	1.95E-08	1.71E-09	2.65E-08	5.96E-10	3.41E-09	4.07E-10	4.42E-09	5.42E-10	1.79E-09	1.23E-10	2.45E-09
5790	469398.86	3819823.31	4.89E-09	2.06E-08	1.85E-09	2.73E-08	4.08E-09	1.51E-08	1.33E-09	2.05E-08	4.62E-10	2.65E-09	3.16E-10	3.42E-09	4.20E-10	1.39E-09	9.55E-11	1.90E-09
5791	469395.36	3819814.4	4.78E-09	2.01E-08	1.81E-09	2.67E-08	3.99E-09	1.48E-08	1.30E-09	2.00E-08	4.52E-10	2.59E-09	3.09E-10	3.35E-09	4.11E-10	1.35E-09	9.34E-11	1.86E-09
5792	469391.86	3819805.48	4.67E-09	1.96E-08	1.77E-09	2.61E-08	3.89E-09	1.44E-08	1.27E-09	1.96E-08	4.41E-10	2.53E-09	3.01E-10	3.27E-09	4.01E-10	1.32E-09	9.12E-11	1.81E-09
5793	469388.36	3819796.57	4.56E-09	1.91E-08	1.72E-09	2.54E-08	3.79E-09	1.41E-08	1.24E-09	1.91E-08	4.30E-10	2.46E-09	2.94E-10	3.19E-09	3.91E-10	1.29E-09	8.89E-11	1.77E-09
5794	469384.86	3819787.66	4.44E-09	1.87E-08	1.68E-09	2.48E-08	3.70E-09	1.37E-08	1.21E-09	1.86E-08	4.20E-10	2.40E-09	2.87E-10	3.11E-09	3.81E-10	1.26E-09	8.67E-11	1.73E-09
5795	469381.36	3819778.75	4.33E-09	1.82E-08	1.64E-09	2.42E-08	3.61E-09	1.34E-08	1.18E-09	1.81E-08	4.09E-10	2.34E-09	2.79E-10	3.03E-09	3.72E-10	1.23E-09	8.45E-11	1.68E-09
5796	469377.86	3819769.84	4.22E-09	1.77E-08	1.59E-09	2.35E-08	3.51E-09	1.30E-08	1.14E-09	1.77E-08	3.98E-10	2.28E-09	2.72E-10	2.95E-09	3.62E-10	1.19E-09	8.23E-11	1.64E-09
5797	469374.36	3819760.92	4.10E-09	1.72E-08	1.55E-09	2.29E-08	3.42E-09	1.27E-08	1.11E-09	1.72E-08	3.87E-10	2.22E-09	2.65E-10	2.87E-09	3.52E-10	1.16E-09	8.00E-11	1.59E-09
5798	469370.86	3819752.01	3.99E-09	1.67E-08	1.51E-09	2.22E-08	3.32E-09	1.23E-08	1.08E-09	1.67E-08	3.77E-10	2.16E-09	2.57E-10	2.79E-09	3.42E-10	1.13E-09	7.78E-11	1.55E-09
5799	469367.36	3819743.1	3.88E-09	1.63E-08	1.47E-09	2.16E-08	3.23E-09	1.20E-08	1.05E-09	1.62E-08	3.66E-10	2.09E-09	2.50E-10	2.71E-09	3.33E-10	1.10E-09	7.56E-11	1.51E-09
5800	469363.86	3819734.19	3.76E-09	1.58E-08	1.42E-09	2.10E-08	3.13E-09	1.16E-08	1.02E-09	1.58E-08	3.55E-10	2.03E-09	2.43E-10	2.63E-09	3.23E-10	1.07E-09	7.34E-11	1.46E-09
5801	469360.36	3819725.28	3.65E-09	1.53E-08	1.38E-09	2.04E-08	3.04E-09	1.13E-08	9.91E-10	1.53E-08	3.45E-10	1.97E-09	2.36E-10	2.55E-09	3.13E-10	1.03E-09	7.12E-11	1.42E-09
5802	469356.86	3819716.36	3.54E-09	1.49E-08	1.34E-09	1.98E-08	2.95E-09	1.09E-08	9.61E-10	1.48E-08	3.34E-10	1.91E-09	2.28E-10	2.48E-09	3.04E-10	1.00E-09	6.91E-11	1.38E-09
5803	469353.37	3819707.45	3.43E-09	1.44E-08	1.30E-09	1.91E-08	2.86E-09	1.06E-08	9.32E-10	1.44E-08	3.24E-10	1.86E-09	2.21E-10	2.40E-09	2.95E-10	9.72E-10	6.70E-11	1.33E-09
5804	469349.87	3819698.54	3.32E-09	1.40E-08	1.26E-09	1.85E-08	2.77E-09	1.03E-08	9.02E-10	1.39E-08	3.14E-10	1.80E-09	2.14E-10	2.32E-09	2.85E-10	9.40E-10	6.48E-11	1.29E-09
5805	469346.37	3819689.63	3.21E-09	1.35E-08	1.22E-09	1.79E-08	2.68E-09	9.91E-09	8.72E-10	1.35E-08	3.03E-10	1.74E-09	2.07E-10	2.25E-09	2.76E-10	9.09E-10	6.27E-11	1.25E-09
5806	469342.87	3819680.72	3.11E-09	1.30E-08	1.17E-09	1.73E-08	2.59E-09	9.58E-09	8.43E-10	1.30E-08	2.93E-10	1.68E-09	2.00E-10	2.17E-09	2.67E-10	8.79E-10	6.06E-11	1.21E-09
5807	469339.37	3819671.81	3.00E-09	1.26E-08	1.14E-09	1.67E-08	2.50E-09	9.27E-09	8.15E-10	1.26E-08	2.84E-10	1.62E-09	1.94E-10	2.10E-09	2.58E-10	8.50E-10	5.86E-11	1.17E-09
5808	469335.87	3819662.89	2.90E-09	1.22E-08	1.10E-09	1.62E-08	2.42E-09	8.96E-09	7.88E-10	1.22E-08	2.74E-10	1.57E-09	1.87E-10	2.03E-09	2.49E-10	8.22E-10	5.67E-11	1.13E-09
5809	469332.37	3819653.98	2.81E-09	1.18E-08	1.06E-09	1.57E-08	2.34E-09	8.66E-09	7.62E-10	1.18E-08	2.65E-10	1.52E-09	1.81E-10	1.96E-09	2.41E-10	7.94E-10	5.48E-11	1.09E-09
5810	469328.87	3819645.07	2.71E-09	1.14E-08	1.03E-09	1.51E-08	2.26E-09	8.37E-09	7.36E-10	1.14E-08	2.56E-10	1.47E-09	1.75E-10	1.90E-09	2.33E-10	7.68E-10	5.29E-11	1.05E-09

5811	469325.37	3819636.16	2.62E-09	1.10E-08	9.91E-10	1.46E-08	2.18E-09	8.09E-09	7.11E-10	1.10E-08	2.47E-10	1.42E-09	1.69E-10	1.83E-09	2.25E-10	7.42E-10	5.11E-11	1.02E-09
5812	469321.87	3819627.25	2.53E-09	1.06E-08	9.57E-10	1.41E-08	2.11E-09	7.81E-09	6.87E-10	1.06E-08	2.39E-10	1.37E-09	1.63E-10	1.77E-09	2.17E-10	7.17E-10	4.94E-11	9.83E-10
5813	469318.37	3819618.33	2.45E-09	1.03E-08	9.25E-10	1.36E-08	2.04E-09	7.55E-09	6.64E-10	1.02E-08	2.31E-10	1.32E-09	1.58E-10	1.71E-09	2.10E-10	6.92E-10	4.77E-11	9.50E-10
5814	469314.87	3819609.42	2.36E-09	9.91E-09	8.93E-10	1.32E-08	1.97E-09	7.28E-09	6.41E-10	9.89E-09	2.23E-10	1.28E-09	1.52E-10	1.65E-09	2.03E-10	6.68E-10	4.61E-11	9.17E-10
5815	469311.37	3819600.51	2.28E-09	9.56E-09	8.61E-10	1.27E-08	1.90E-09	7.03E-09	6.18E-10	9.54E-09	2.15E-10	1.23E-09	1.47E-10	1.59E-09	1.95E-10	6.45E-10	4.44E-11	8.85E-10
5816	469307.87	3819591.6	2.20E-09	9.23E-09	8.31E-10	1.23E-08	1.83E-09	6.78E-09	5.96E-10	9.21E-09	2.07E-10	1.19E-09	1.42E-10	1.54E-09	1.89E-10	6.22E-10	4.29E-11	8.53E-10
5817	469304.37	3819582.69	2.12E-09	8.91E-09	8.02E-10	1.18E-08	1.77E-09	6.54E-09	5.76E-10	8.89E-09	2.00E-10	1.15E-09	1.37E-10	1.48E-09	1.82E-10	6.00E-10	4.14E-11	8.24E-10
5818	469300.87	3819573.77	2.05E-09	8.61E-09	7.75E-10	1.14E-08	1.71E-09	6.32E-09	5.56E-10	8.59E-09	1.94E-10	1.11E-09	1.32E-10	1.43E-09	1.76E-10	5.80E-10	4.00E-11	7.96E-10
5819	469297.37	3819564.86	1.98E-09	8.32E-09	7.49E-10	1.10E-08	1.65E-09	6.11E-09	5.38E-10	8.30E-09	1.87E-10	1.07E-09	1.28E-10	1.39E-09	1.70E-10	5.60E-10	3.86E-11	7.69E-10
5820	469293.87	3819555.95	1.91E-09	8.04E-09	7.24E-10	1.07E-08	1.59E-09	5.91E-09	5.20E-10	8.02E-09	1.81E-10	1.03E-09	1.23E-10	1.34E-09	1.64E-10	5.42E-10	3.74E-11	7.44E-10
5821	469290.37	3819547.04	1.85E-09	7.77E-09	7.00E-10	1.03E-08	1.54E-09	5.71E-09	5.03E-10	7.76E-09	1.75E-10	1.00E-09	1.19E-10	1.29E-09	1.59E-10	5.24E-10	3.61E-11	7.19E-10
5822	469286.87	3819538.13	1.79E-09	7.52E-09	6.77E-10	9.99E-09	1.49E-09	5.53E-09	4.86E-10	7.50E-09	1.69E-10	9.68E-10	1.16E-10	1.25E-09	1.54E-10	5.07E-10	3.49E-11	6.96E-10
5823	469283.37	3819529.21	1.73E-09	7.28E-09	6.55E-10	9.67E-09	1.44E-09	5.35E-09	4.70E-10	7.26E-09	1.64E-10	9.37E-10	1.12E-10	1.21E-09	1.49E-10	4.91E-10	3.38E-11	6.73E-10
5824	469279.87	3819520.3	1.68E-09	7.05E-09	6.35E-10	9.36E-09	1.40E-09	5.18E-09	4.56E-10	7.03E-09	1.58E-10	9.07E-10	1.08E-10	1.17E-09	1.44E-10	4.75E-10	3.27E-11	6.52E-10
5825	469276.37	3819511.39	1.63E-09	6.83E-09	6.15E-10	9.07E-09	1.35E-09	5.02E-09	4.41E-10	6.81E-09	1.54E-10	8.79E-10	1.05E-10	1.14E-09	1.40E-10	4.60E-10	3.17E-11	6.32E-10
5826	469272.87	3819502.48	1.58E-09	6.62E-09	5.96E-10	8.79E-09	1.31E-09	4.86E-09	4.28E-10	6.60E-09	1.49E-10	8.52E-10	1.02E-10	1.10E-09	1.35E-10	4.46E-10	3.08E-11	6.12E-10
5827	469269.37	3819493.57	1.53E-09	6.42E-09	5.78E-10	8.52E-09	1.27E-09	4.71E-09	4.15E-10	6.40E-09	1.44E-10	8.26E-10	9.86E-11	1.07E-09	1.31E-10	4.33E-10	2.98E-11	5.93E-10
5828	469265.87	3819484.66	1.48E-09	6.22E-09	5.60E-10	8.26E-09	1.23E-09	4.57E-09	4.02E-10	6.20E-09	1.40E-10	8.00E-10	9.55E-11	1.04E-09	1.27E-10	4.19E-10	2.89E-11	5.75E-10
5829	469262.37	3819475.74	1.44E-09	6.03E-09	5.43E-10	8.01E-09	1.20E-09	4.43E-09	3.90E-10	6.01E-09	1.36E-10	7.76E-10	9.26E-11	1.00E-09	1.23E-10	4.06E-10	2.80E-11	5.58E-10
5830	469258.87	3819466.83	1.39E-09	5.85E-09	5.27E-10	7.77E-09	1.16E-09	4.30E-09	3.78E-10	5.84E-09	1.32E-10	7.53E-10	8.98E-11	9.74E-10	1.20E-10	3.94E-10	2.72E-11	5.41E-10
5831	469255.37	3819457.92	1.35E-09	5.68E-09	5.12E-10	7.55E-09	1.13E-09	4.18E-09	3.67E-10	5.67E-09	1.28E-10	7.32E-10	8.73E-11	9.47E-10	1.16E-10	3.83E-10	2.64E-11	5.26E-10
5832	469251.87	3819449.01	1.32E-09	5.53E-09	4.98E-10	7.34E-09	1.10E-09	4.06E-09	3.57E-10	5.51E-09	1.24E-10	7.11E-10	8.49E-11	9.21E-10	1.13E-10	3.72E-10	2.57E-11	5.11E-10
5833	469248.37	3819440.1	1.28E-09	5.38E-09	4.84E-10	7.14E-09	1.07E-09	3.95E-09	3.48E-10	5.37E-09	1.21E-10	6.92E-10	8.26E-11	8.96E-10	1.10E-10	3.63E-10	2.50E-11	4.98E-10
5834	470092.73	3820308.32	1.14E-08	4.77E-08	4.29E-09	6.33E-08	9.46E-09	3.50E-08	3.08E-09	4.76E-08	1.07E-09	6.14E-09	7.32E-10	7.94E-09	9.75E-10	3.21E-09	2.22E-10	4.41E-09
5835	470102.43	3820308.45	1.13E-08	4.75E-08	4.28E-09	6.31E-08	9.42E-09	3.49E-08	3.07E-09	4.74E-08	1.07E-09	6.11E-09	7.29E-10	7.91E-09	9.71E-10	3.20E-09	2.21E-10	4.39E-09
5836	470112.12	3820308.59	1.13E-08	4.73E-08	4.26E-09	6.28E-08	9.37E-09	3.47E-08	3.05E-09	4.72E-08	1.06E-09	6.08E-09	7.26E-10	7.87E-09	9.66E-10	3.19E-09	2.20E-10	4.37E-09
5837	470121.82	3820308.72	1.12E-08	4.70E-08	4.23E-09	6.24E-08	9.32E-09	3.45E-08	3.04E-09	4.69E-08	1.06E-09	6.05E-09	7.22E-10	7.83E-09	9.61E-10	3.17E-09	2.18E-10	4.35E-09
5838	470131.52	3820308.86	1.11E-08	4.67E-08	4.21E-09	6.21E-08	9.27E-09	3.43E-08	3.02E-09	4.66E-08	1.05E-09	6.01E-09	7.18E-10	7.78E-09	9.55E-10	3.15E-09	2.17E-10	4.32E-09
5839	470141.21	3820308.99	1.11E-08	4.64E-08	4.18E-09	6.16E-08	9.20E-09	3.41E-08	3.00E-09	4.63E-08	1.04E-09	5.97E-09	7.13E-10	7.73E-09	9.49E-10	3.13E-09	2.16E-10	4.29E-09
5840	470150.91	3820309.13	1.10E-08	4.60E-08	4.15E-09	6.12E-08	9.13E-09	3.38E-08	2.98E-09	4.59E-08	1.04E-09	5.93E-09	7.07E-10	7.67E-09	9.41E-10	3.10E-09	2.14E-10	4.26E-09
5841	470160.61	3820309.26	1.09E-08	4.57E-08	4.11E-09	6.06E-08	9.06E-09	3.36E-08	2.95E-09	4.56E-08	1.03E-09	5.88E-09	7.01E-10	7.61E-09	9.33E-10	3.08E-09	2.12E-10	4.22E-09
5842	470170.31	3820309.4	1.08E-08	4.53E-08	4.08E-09	6.01E-08	8.98E-09	3.33E-08	2.93E-09	4.52E-08	1.02E-09	5.83E-09	6.95E-10	7.54E-09	9.25E-10	3.05E-09	2.10E-10	4.19E-09
5843	470180	3820309.53	1.07E-08	4.48E-08	4.04E-09	5.95E-08	8.89E-09	3.29E-08	2.90E-09	4.47E-08	1.01E-09	5.77E-09	6.88E-10	7.47E-09	9.16E-10	3.02E-09	2.08E-10	4.15E-09
5844	470189.7	3820309.67	1.06E-08	4.44E-08	3.99E-09	5.89E-08	8.80E-09	3.26E-08	2.87E-09	4.43E-08	9.97E-10	5.71E-09	6.81E-10	7.39E-09	9.07E-10	2.99E-09	2.06E-10	4.10E-09
5845	470199.4	3820309.8	1.05E-08	4.39E-08	3.95E-09	5.83E-08	8.71E-09	3.23E-08	2.84E-09	4.38E-08	9.87E-10	5.65E-09	6.74E-10	7.31E-09	8.97E-10	2.96E-09	2.04E-10	4.06E-09
5846	470209.1	3820309.94	1.03E-08	4.34E-08	3.91E-09	5.77E-08	8.61E-09	3.19E-08	2.81E-09	4.33E-08	9.77E-10	5.59E-09	6.67E-10	7.23E-09	8.88E-10	2.93E-09	2.02E-10	4.02E-09
5847	470218.79	3820310.07	1.02E-08	4.30E-08	3.87E-09	5.71E-08	8.52E-09	3.16E-08	2.78E-09	4.29E-08	9.66E-10	5.53E-09	6.60E-10	7.16E-09	8.78E-10	2.90E-09	2.00E-10	3.97E-09
5848	470228.49	3820310.21	1.01E-08	4.25E-08	3.83E-09	5.64E-08	8.43E-09	3.12E-08	2.75E-09	4.24E-08	9.55E-10	5.47E-09	6.53E-10	7.08E-09	8.69E-10	2.86E-09	1.97E-10	3.93E-09
5849	470238.19	3820310.34	1.00E-08	4.20E-08	3.78E-09	5.58E-08	8.33E-09	3.09E-08	2.72E-09	4.19E-08	9.45E-10	5.41E-09	6.45E-10	7.00E-09	8.59E-10	2.83E-09	1.95E-10	3.89E-09
5850	470247.88	3820310.48	9.89E-09	4.15E-08	3.74E-09	5.52E-08	8.24E-09	3.05E-08	2.69E-09	4.14E-08	9.34E-10	5.35E-09	6.38E-10	6.92E-09	8.49E-10	2.80E-09	1.93E-10	3.84E-09
5851	470257.58	3820310.61	9.78E-09	4.11E-08	3.70E-09	5.45E-08	8.15E-09	3.02E-08	2.65E-09	4.10E-08	9.23E-10	5.29E-09	6.31E-10	6.84E-09	8.39E-10	2.77E-09	1.91E-10	3.80E-09
5852	470267.28	3820310.75	9.67E-09	4.06E-08	3.66E-09	5.39E-08	8.06E-09	2.98E-08	2.63E-09	4.05E-08	9.13E-10	5.23E-09	6.24E-10	6.77E-09	8.30E-10	2.74E-09	1.89E-10	3.76E-09
5853	470082.78	3820384.49	9.89E-09	4.15E-08	3.74E-09	5.52E-08	8.24E-09	3.05E-08	2.69E-09	4.15E-08	9.34E-10	5.35E-09	6.38E-10	6.92E-09	8.49E-10	2.80E-09	1.93E-10	3.84E-09
5854	470073.94	3820380.67	9.99E-09	4.19E-08	3.78E-09	5.57E-08	8.32E-09	3.08E-08	2.71E-09	4.19E-08	9.43E-10	5.40E-09	6.44E-10	6.99E-09	8.57E-10	2.83E-09	1.95E-10	3.88E-09
5855	470065.1	3820376.84	1.01E-08	4.23E-08	3.81E-09	5.62E-08	8.39E-09	3.11E-08	2.74E-09	4.22E-08	9.52E-10	5.45E-09	6.50E-10	7.05E-09	8.65E-10	2.85E-09	1.97E-10	3.91E-09
5856	470056.27	3820373.02	1.02E-08	4.27E-08	3.84E-09	5.67E-08	8.46E-09	3.14E-08	2.76E-09	4.26E-08	9.60E-10	5.49E-09	6.55E-10	7.11E-09	8.72E-10	2.88E-09	1.98E-10	3.95E-09
5857	470047.43	3820369.2	1.02E-08	4.30E-08	3.87E-09	5.71E-08	8.53E-09	3.16E-08	2.78E-09	4.29E-08	9.67E-10	5.54E-09	6.60E-10	7.16E-09	8.79E-10	2.90E-09	2.00E-10	3.98E-09
5858	470038.59	3820365.38	1.03E-08	4.33E-08	3.90E-09	5.75E-08	8.59E-09	3.18E-08	2.80E-09	4.32E-08	9.73E-10	5.57E-09	6.65E-10	7.21E-09	8.85E-10	2.92E-09	2.01E-10	4.00E-09
5859	470029.76	3820361.56	1.04E-08	4.36E-08	3.92E-09	5.78E-08	8.64E-09	3.20E-08	2.82E-09	4.35E-08	9.79E-10	5.61E-09	6.69E-10	7.25E-09	8.90E-10	2.94E-09	2.02E-10	4.03E-09
5860	470020.92	3820357.74	1.04E-08	4.38E-08	3.94E-09	5.82E-08	8.69E-09	3.22E-08	2.83E-09	4.37E-08	9.85E-10	5.64E-09	6.73E-10	7.29E-09	8.95E-10	2.95E-09	2.03E-10	4.05E-09
5861	470012.08	3820353.92	1.05E-08	4.40E-08	3.96E-09	5.84E-08	8.72E-09	3.23E-08	2.84E-09	4.39E-08	9.89E-10	5.66E-09	6.76E-10	7.33E-09	8.99E-10	2.96E-09	2.04E-10	4.07E-09

5862	470003.24	3820350.1	1.05E-08	4.42E-08	3.98E-09	5.86E-08	8.76E-09	3.24E-08	2.85E-09	4.41E-08	9.93E-10	5.68E-09	6.78E-10	7.35E-09	9.03E-10	2.98E-09	2.05E-10	4.08E-09
5863	469994.41	3820346.27	1.05E-08	4.43E-08	3.99E-09	5.88E-08	8.78E-09	3.25E-08	2.86E-09	4.42E-08	9.96E-10	5.70E-09	6.80E-10	7.38E-09	9.05E-10	2.98E-09	2.06E-10	4.10E-09
5864	469985.57	3820342.45	1.06E-08	4.44E-08	4.00E-09	5.89E-08	8.80E-09	3.26E-08	2.87E-09	4.43E-08	9.98E-10	5.71E-09	6.82E-10	7.39E-09	9.07E-10	2.99E-09	2.06E-10	4.10E-09
5865	469976.73	3820338.63	1.06E-08	4.44E-08	4.00E-09	5.90E-08	8.81E-09	3.27E-08	2.87E-09	4.43E-08	9.99E-10	5.72E-09	6.83E-10	7.40E-09	9.08E-10	3.00E-09	2.06E-10	4.11E-09
5866	469967.9	3820334.81	1.06E-08	4.45E-08	4.00E-09	5.91E-08	8.82E-09	3.27E-08	2.87E-09	4.44E-08	1.00E-09	5.72E-09	6.83E-10	7.41E-09	9.09E-10	3.00E-09	2.07E-10	4.11E-09
5867	469959.06	3820330.99	1.06E-08	4.45E-08	4.00E-09	5.91E-08	8.82E-09	3.27E-08	2.87E-09	4.44E-08	1.00E-09	5.72E-09	6.83E-10	7.41E-09	9.09E-10	3.00E-09	2.07E-10	4.11E-09
5868	469950.22	3820327.17	1.06E-08	4.44E-08	4.00E-09	5.90E-08	8.81E-09	3.26E-08	2.87E-09	4.43E-08	9.99E-10	5.72E-09	6.82E-10	7.40E-09	9.08E-10	2.99E-09	2.06E-10	4.11E-09
5869	469941.39	3820323.35	1.06E-08	4.43E-08	3.99E-09	5.89E-08	8.80E-09	3.26E-08	2.87E-09	4.43E-08	9.97E-10	5.71E-09	6.81E-10	7.39E-09	9.07E-10	2.99E-09	2.06E-10	4.10E-09
5870	469932.55	3820319.52	1.05E-08	4.42E-08	3.98E-09	5.88E-08	8.78E-09	3.25E-08	2.86E-09	4.41E-08	9.95E-10	5.70E-09	6.80E-10	7.37E-09	9.04E-10	2.98E-09	2.06E-10	4.09E-09
5871	469923.71	3820315.7	1.05E-08	4.41E-08	3.97E-09	5.86E-08	8.75E-09	3.24E-08	2.85E-09	4.40E-08	9.92E-10	5.68E-09	6.77E-10	7.35E-09	9.02E-10	2.97E-09	2.05E-10	4.08E-09
5872	469914.87	3820311.88	1.05E-08	4.39E-08	3.96E-09	5.84E-08	8.72E-09	3.23E-08	2.84E-09	4.38E-08	9.88E-10	5.66E-09	6.75E-10	7.32E-09	8.98E-10	2.96E-09	2.04E-10	4.06E-09
5873	469906.04	3820308.06	1.04E-08	4.38E-08	3.94E-09	5.81E-08	8.68E-09	3.21E-08	2.83E-09	4.37E-08	9.84E-10	5.63E-09	6.72E-10	7.29E-09	8.94E-10	2.95E-09	2.03E-10	4.05E-09
5874	469853.01	3820285.13	1.00E-08	4.21E-08	3.79E-09	5.59E-08	8.35E-09	3.09E-08	2.72E-09	4.20E-08	9.47E-10	5.42E-09	6.47E-10	7.01E-09	8.61E-10	2.84E-09	1.96E-10	3.89E-09
5875	469844.18	3820281.31	9.94E-09	4.18E-08	3.76E-09	5.55E-08	8.28E-09	3.07E-08	2.70E-09	4.17E-08	9.39E-10	5.38E-09	6.41E-10	6.96E-09	8.54E-10	2.81E-09	1.94E-10	3.86E-09
5876	469835.34	3820277.49	9.86E-09	4.14E-08	3.73E-09	5.50E-08	8.21E-09	3.04E-08	2.68E-09	4.13E-08	9.31E-10	5.33E-09	6.36E-10	6.90E-09	8.46E-10	2.79E-09	1.92E-10	3.83E-09
5877	469826.5	3820273.67	9.77E-09	4.10E-08	3.70E-09	5.45E-08	8.14E-09	3.02E-08	2.65E-09	4.10E-08	9.23E-10	5.28E-09	6.30E-10	6.84E-09	8.39E-10	2.77E-09	1.91E-10	3.80E-09
5878	469817.67	3820269.85	9.68E-09	4.07E-08	3.66E-09	5.40E-08	8.07E-09	2.99E-08	2.63E-09	4.06E-08	9.15E-10	5.24E-09	6.25E-10	6.77E-09	8.31E-10	2.74E-09	1.89E-10	3.76E-09
5879	469808.83	3820266.02	9.59E-09	4.03E-08	3.63E-09	5.35E-08	7.99E-09	2.96E-08	2.60E-09	4.02E-08	9.06E-10	5.19E-09	6.19E-10	6.71E-09	8.24E-10	2.72E-09	1.87E-10	3.73E-09
5880	469799.99	3820262.2	9.50E-09	3.99E-08	3.59E-09	5.30E-08	7.91E-09	2.93E-08	2.58E-09	3.98E-08	8.97E-10	5.14E-09	6.13E-10	6.65E-09	8.16E-10	2.69E-09	1.85E-10	3.69E-09
5881	469791.16	3820258.38	9.41E-09	3.95E-08	3.56E-09	5.25E-08	7.83E-09	2.90E-08	2.55E-09	3.94E-08	8.88E-10	5.08E-09	6.07E-10	6.58E-09	8.07E-10	2.66E-09	1.84E-10	3.65E-09
5882	469782.32	3820254.56	9.31E-09	3.91E-08	3.52E-09	5.19E-08	7.76E-09	2.87E-08	2.53E-09	3.90E-08	8.79E-10	5.03E-09	6.01E-10	6.51E-09	7.99E-10	2.64E-09	1.82E-10	3.62E-09
5883	469773.48	3820250.74	9.21E-09	3.87E-08	3.48E-09	5.14E-08	7.68E-09	2.84E-08	2.50E-09	3.86E-08	8.70E-10	4.98E-09	5.94E-10	6.45E-09	7.91E-10	2.61E-09	1.80E-10	3.58E-09
5884	469764.64	3820246.92	9.12E-09	3.83E-08	3.45E-09	5.09E-08	7.60E-09	2.81E-08	2.48E-09	3.82E-08	8.61E-10	4.93E-09	5.88E-10	6.38E-09	7.83E-10	2.58E-09	1.78E-10	3.54E-09
5885	469755.81	3820243.1	9.02E-09	3.79E-08	3.41E-09	5.03E-08	7.52E-09	2.78E-08	2.45E-09	3.78E-08	8.52E-10	4.88E-09	5.82E-10	6.31E-09	7.75E-10	2.55E-09	1.76E-10	3.50E-09
5886	469746.97	3820239.28	8.93E-09	3.75E-08	3.38E-09	4.98E-08	7.44E-09	2.76E-08	2.42E-09	3.74E-08	8.43E-10	4.83E-09	5.76E-10	6.25E-09	7.67E-10	2.53E-09	1.74E-10	3.47E-09
5887	469738.13	3820235.45	8.84E-09	3.71E-08	3.34E-09	4.93E-08	7.36E-09	2.73E-08	2.40E-09	3.70E-08	8.34E-10	4.78E-09	5.70E-10	6.18E-09	7.59E-10	2.50E-09	1.72E-10	3.43E-09
5888	469729.3	3820231.63	8.74E-09	3.67E-08	3.31E-09	4.88E-08	7.28E-09	2.70E-08	2.37E-09	3.66E-08	8.26E-10	4.73E-09	5.64E-10	6.12E-09	7.51E-10	2.47E-09	1.71E-10	3.40E-09
5889	469720.46	3820227.81	8.65E-09	3.63E-08	3.27E-09	4.83E-08	7.21E-09	2.67E-08	2.35E-09	3.62E-08	8.17E-10	4.68E-09	5.58E-10	6.05E-09	7.43E-10	2.45E-09	1.69E-10	3.36E-09
5890	469711.62	3820223.99	8.56E-09	3.59E-08	3.24E-09	4.77E-08	7.13E-09	2.64E-08	2.32E-09	3.59E-08	8.08E-10	4.63E-09	5.52E-10	5.99E-09	7.35E-10	2.42E-09	1.67E-10	3.32E-09
5891	469702.78	3820220.17	8.47E-09	3.56E-08	3.20E-09	4.72E-08	7.06E-09	2.61E-08	2.30E-09	3.55E-08	8.00E-10	4.58E-09	5.46E-10	5.93E-09	7.27E-10	2.40E-09	1.65E-10	3.29E-09
5892	469667.44	3820204.88	8.12E-09	3.41E-08	3.07E-09	4.53E-08	6.76E-09	2.51E-08	2.20E-09	3.40E-08	7.67E-10	4.39E-09	5.24E-10	5.68E-09	6.97E-10	2.30E-09	1.58E-10	3.15E-09
5893	469658.6	3820201.06	8.04E-09	3.37E-08	3.04E-09	4.48E-08	6.69E-09	2.48E-08	2.18E-09	3.37E-08	7.59E-10	4.34E-09	5.18E-10	5.62E-09	6.90E-10	2.27E-09	1.57E-10	3.12E-09
5894	469649.76	3820197.24	7.95E-09	3.34E-08	3.01E-09	4.44E-08	6.62E-09	2.45E-08	2.16E-09	3.33E-08	7.51E-10	4.30E-09	5.13E-10	5.56E-09	6.83E-10	2.25E-09	1.55E-10	3.09E-09
5895	469640.93	3820193.42	7.87E-09	3.30E-08	2.98E-09	4.39E-08	6.55E-09	2.43E-08	2.14E-09	3.30E-08	7.43E-10	4.25E-09	5.08E-10	5.50E-09	6.76E-10	2.23E-09	1.54E-10	3.06E-09
5896	469632.09	3820189.6	7.79E-09	3.27E-08	2.95E-09	4.34E-08	6.49E-09	2.40E-08	2.11E-09	3.26E-08	7.35E-10	4.21E-09	5.02E-10	5.45E-09	6.69E-10	2.20E-09	1.52E-10	3.02E-09
5897	469623.25	3820185.78	7.71E-09	3.24E-08	2.91E-09	4.30E-08	6.42E-09	2.38E-08	2.09E-09	3.23E-08	7.28E-10	4.17E-09	4.97E-10	5.39E-09	6.62E-10	2.18E-09	1.50E-10	2.99E-09
5898	469614.41	3820181.95	7.62E-09	3.20E-08	2.88E-09	4.25E-08	6.35E-09	2.35E-08	2.07E-09	3.19E-08	7.20E-10	4.12E-09	4.92E-10	5.33E-09	6.55E-10	2.16E-09	1.49E-10	2.96E-09
5899	469605.58	3820178.13	7.54E-09	3.17E-08	2.85E-09	4.21E-08	6.28E-09	2.33E-08	2.05E-09	3.16E-08	7.12E-10	4.08E-09	4.87E-10	5.28E-09	6.48E-10	2.14E-09	1.47E-10	2.93E-09
5900	469517.21	3820139.92	6.73E-09	2.83E-08	2.54E-09	3.75E-08	5.60E-09	2.08E-08	1.83E-09	2.82E-08	6.35E-10	3.64E-09	4.34E-10	4.71E-09	5.78E-10	1.90E-09	1.31E-10	2.61E-09
5901	469508.37	3820136.1	6.64E-09	2.79E-08	2.51E-09	3.70E-08	5.53E-09	2.05E-08	1.80E-09	2.78E-08	6.27E-10	3.59E-09	4.28E-10	4.65E-09	5.70E-10	1.88E-09	1.30E-10	2.58E-09
5902	469499.53	3820132.28	6.56E-09	2.75E-08	2.48E-09	3.66E-08	5.46E-09	2.02E-08	1.78E-09	2.75E-08	6.19E-10	3.54E-09	4.23E-10	4.59E-09	5.63E-10	1.86E-09	1.28E-10	2.55E-09
5903	469490.7	3820128.46	6.47E-09	2.72E-08	2.45E-09	3.61E-08	5.39E-09	2.00E-08	1.76E-09	2.71E-08	6.11E-10	3.50E-09	4.17E-10	4.52E-09	5.55E-10	1.83E-09	1.26E-10	2.51E-09
5904	469481.86	3820124.63	6.38E-09	2.68E-08	2.41E-09	3.56E-08	5.31E-09	1.97E-08	1.73E-09	2.67E-08	6.02E-10	3.45E-09	4.11E-10	4.46E-09	5.48E-10	1.81E-09	1.24E-10	2.48E-09
5905	469473.02	3820120.81	6.29E-09	2.64E-08	2.38E-09	3.51E-08	5.24E-09	1.94E-08	1.71E-09	2.64E-08	5.94E-10	3.40E-09	4.06E-10	4.40E-09	5.40E-10	1.78E-09	1.23E-10	2.44E-09
5906	469464.18	3820116.99	6.20E-09	2.60E-08	2.35E-09	3.46E-08	5.17E-09	1.91E-08	1.68E-09	2.60E-08	5.86E-10	3.35E-09	4.00E-10	4.34E-09	5.32E-10	1.76E-09	1.21E-10	2.41E-09
5907	469455.35	3820113.17	6.11E-09	2.57E-08	2.31E-09	3.41E-08	5.09E-09	1.89E-08	1.66E-09	2.56E-08	5.77E-10	3.30E-09	3.94E-10	4.27E-09	5.24E-10	1.73E-09	1.19E-10	2.37E-09
5908	469446.51	3820109.35	6.02E-09	2.53E-08	2.28E-09	3.36E-08	5.01E-09	1.86E-08	1.63E-09	2.52E-08	5.68E-10	3.25E-09	3.88E-10	4.21E-09	5.17E-10	1.70E-09	1.17E-10	2.34E-09
5909	469437.67	3820105.53	5.92E-09	2.49E-08	2.24E-09	3.30E-08	4.93E-09	1.83E-08	1.61E-09	2.48E-08	5.59E-10	3.20E-09	3.82E-10	4.14E-09	5.09E-10	1.68E-09	1.16E-10	2.30E-09
5910	469425.32	3820092.74	5.81E-09	2.44E-08	2.20E-09	3.24E-08	4.84E-09	1.79E-08	1.58E-09	2.43E-08	5.49E-10	3.14E-09	3.75E-10	4.06E-09	4.99E-10	1.64E-09	1.13E-10	2.26E-09
5911	469421.8	3820083.78	5.78E-09	2.43E-08	2.19E-09	3.23E-08	4.82E-09	1.78E-08	1.57E-09	2.42E-08	5.46E-10	3.13E-09	3.73E-10	4.05E-09	4.96E-10	1.64E-09	1.13E-10	2.25E-09
5912	469418.28	3820074.82	5.75E-09	2.42E-08	2.18E-09	3.21E-08	4.79E-09	1.78E-08	1.56E-09	2.41E-08	5.43E-10	3.11E-09	3.71E-10	4.02E-09	4.94E-10	1.63E-09	1.12E-10	2.23E-09

5913	469414.76	3820065.86	5.72E-09	2.40E-08	2.16E-09	3.19E-08	4.76E-09	1.77E-08	1.55E-09	2.40E-08	5.40E-10	3.09E-09	3.69E-10	4.00E-09	4.91E-10	1.62E-09	1.12E-10	2.22E-09
5914	469411.24	3820056.9	5.68E-09	2.39E-08	2.15E-09	3.17E-08	4.73E-09	1.75E-08	1.54E-09	2.38E-08	5.37E-10	3.07E-09	3.67E-10	3.98E-09	4.88E-10	1.61E-09	1.11E-10	2.21E-09
5915	469407.72	3820047.94	5.65E-09	2.37E-08	2.14E-09	3.15E-08	4.70E-09	1.74E-08	1.53E-09	2.37E-08	5.33E-10	3.05E-09	3.64E-10	3.95E-09	4.85E-10	1.60E-09	1.10E-10	2.19E-09
5916	469404.2	3820038.97	5.60E-09	2.35E-08	2.12E-09	3.13E-08	4.67E-09	1.73E-08	1.52E-09	2.35E-08	5.29E-10	3.03E-09	3.61E-10	3.92E-09	4.81E-10	1.59E-09	1.09E-10	2.18E-09
5917	469319.74	3819823.89	3.83E-09	1.61E-08	1.45E-09	2.14E-08	3.19E-09	1.18E-08	1.04E-09	1.61E-08	3.62E-10	2.07E-09	2.47E-10	2.68E-09	3.29E-10	1.08E-09	7.48E-11	1.49E-09
5918	469316.22	3819814.93	3.74E-09	1.57E-08	1.41E-09	2.08E-08	3.11E-09	1.15E-08	1.01E-09	1.57E-08	3.53E-10	2.02E-09	2.41E-10	2.61E-09	3.21E-10	1.06E-09	7.29E-11	1.45E-09
5919	469312.7	3819805.97	3.64E-09	1.53E-08	1.38E-09	2.03E-08	3.03E-09	1.12E-08	9.89E-10	1.53E-08	3.44E-10	1.97E-09	2.35E-10	2.55E-09	3.13E-10	1.03E-09	7.11E-11	1.41E-09
5920	469309.18	3819797.01	3.55E-09	1.49E-08	1.34E-09	1.98E-08	2.96E-09	1.09E-08	9.63E-10	1.49E-08	3.35E-10	1.92E-09	2.29E-10	2.48E-09	3.05E-10	1.00E-09	6.92E-11	1.38E-09
5921	469305.66	3819788.05	3.45E-09	1.45E-08	1.31E-09	1.93E-08	2.88E-09	1.07E-08	9.38E-10	1.45E-08	3.26E-10	1.87E-09	2.23E-10	2.42E-09	2.97E-10	9.78E-10	6.74E-11	1.34E-09
5922	469302.14	3819779.09	3.36E-09	1.41E-08	1.27E-09	1.88E-08	2.80E-09	1.04E-08	9.13E-10	1.41E-08	3.17E-10	1.82E-09	2.17E-10	2.35E-09	2.89E-10	9.52E-10	6.56E-11	1.31E-09
5923	469298.62	3819770.12	3.27E-09	1.37E-08	1.24E-09	1.82E-08	2.72E-09	1.01E-08	8.88E-10	1.37E-08	3.09E-10	1.77E-09	2.11E-10	2.29E-09	2.81E-10	9.26E-10	6.38E-11	1.27E-09
5924	469295.1	3819761.16	3.18E-09	1.33E-08	1.20E-09	1.77E-08	2.65E-09	9.81E-09	8.63E-10	1.33E-08	3.00E-10	1.72E-09	2.05E-10	2.22E-09	2.73E-10	9.00E-10	6.20E-11	1.23E-09
5925	469291.58	3819752.2	3.09E-09	1.30E-08	1.17E-09	1.72E-08	2.57E-09	9.53E-09	8.38E-10	1.29E-08	2.92E-10	1.67E-09	1.99E-10	2.16E-09	2.65E-10	8.74E-10	6.03E-11	1.20E-09
5926	469288.06	3819743.24	3.00E-09	1.26E-08	1.13E-09	1.67E-08	2.50E-09	9.25E-09	8.14E-10	1.26E-08	2.83E-10	1.62E-09	1.93E-10	2.10E-09	2.57E-10	8.49E-10	5.85E-11	1.16E-09
5927	469284.54	3819734.28	2.91E-09	1.22E-08	1.10E-09	1.62E-08	2.42E-09	8.98E-09	7.90E-10	1.22E-08	2.75E-10	1.57E-09	1.88E-10	2.04E-09	2.50E-10	8.24E-10	5.68E-11	1.13E-09
5928	469281.03	3819725.32	2.82E-09	1.18E-08	1.07E-09	1.57E-08	2.35E-09	8.71E-09	7.66E-10	1.18E-08	2.66E-10	1.53E-09	1.82E-10	1.97E-09	2.42E-10	7.99E-10	5.51E-11	1.10E-09
5929	469277.51	3819716.35	2.73E-09	1.15E-08	1.03E-09	1.52E-08	2.28E-09	8.43E-09	7.42E-10	1.15E-08	2.58E-10	1.48E-09	1.76E-10	1.91E-09	2.35E-10	7.74E-10	5.33E-11	1.06E-09
5930	469273.99	3819707.39	2.65E-09	1.11E-08	1.00E-09	1.48E-08	2.20E-09	8.16E-09	7.18E-10	1.11E-08	2.50E-10	1.43E-09	1.71E-10	1.85E-09	2.27E-10	7.49E-10	5.16E-11	1.03E-09
5931	469270.47	3819698.43	2.56E-09	1.08E-08	9.69E-10	1.43E-08	2.13E-09	7.91E-09	6.95E-10	1.07E-08	2.42E-10	1.38E-09	1.65E-10	1.79E-09	2.20E-10	7.25E-10	5.00E-11	9.95E-10
5932	469266.95	3819689.47	2.48E-09	1.04E-08	9.38E-10	1.38E-08	2.07E-09	7.66E-09	6.73E-10	1.04E-08	2.34E-10	1.34E-09	1.60E-10	1.74E-09	2.13E-10	7.02E-10	4.84E-11	9.64E-10
5933	469263.43	3819680.51	2.40E-09	1.01E-08	9.09E-10	1.34E-08	2.00E-09	7.41E-09	6.52E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.68E-09	2.06E-10	6.80E-10	4.69E-11	9.33E-10
5934	469259.91	3819671.55	2.33E-09	9.77E-09	8.80E-10	1.30E-08	1.94E-09	7.18E-09	6.31E-10	9.75E-09	2.20E-10	1.26E-09	1.50E-10	1.63E-09	2.00E-10	6.58E-10	4.54E-11	9.03E-10
5935	469256.39	3819662.59	2.25E-09	9.45E-09	8.51E-10	1.26E-08	1.88E-09	6.95E-09	6.11E-10	9.43E-09	2.13E-10	1.22E-09	1.45E-10	1.57E-09	1.93E-10	6.37E-10	4.39E-11	8.74E-10
5936	469252.87	3819653.62	2.18E-09	9.15E-09	8.24E-10	1.22E-08	1.81E-09	6.72E-09	5.91E-10	9.13E-09	2.06E-10	1.18E-09	1.41E-10	1.52E-09	1.87E-10	6.17E-10	4.25E-11	8.46E-10
5937	469249.35	3819644.66	2.11E-09	8.85E-09	7.97E-10	1.18E-08	1.76E-09	6.51E-09	5.72E-10	8.83E-09	1.99E-10	1.14E-09	1.36E-10	1.47E-09	1.81E-10	5.97E-10	4.11E-11	8.19E-10
5938	469245.83	3819635.7	2.04E-09	8.57E-09	7.71E-10	1.14E-08	1.70E-09	6.29E-09	5.54E-10	8.55E-09	1.93E-10	1.10E-09	1.32E-10	1.43E-09	1.75E-10	5.77E-10	3.98E-11	7.92E-10
5939	469242.31	3819626.74	1.97E-09	8.29E-09	7.47E-10	1.10E-08	1.64E-09	6.09E-09	5.36E-10	8.27E-09	1.86E-10	1.07E-09	1.27E-10	1.38E-09	1.69E-10	5.59E-10	3.85E-11	7.67E-10
5940	469238.79	3819617.78	1.91E-09	8.02E-09	7.22E-10	1.07E-08	1.59E-09	5.89E-09	5.19E-10	8.00E-09	1.80E-10	1.03E-09	1.23E-10	1.34E-09	1.64E-10	5.41E-10	3.73E-11	7.42E-10
5941	469235.27	3819608.82	1.85E-09	7.76E-09	6.99E-10	1.03E-08	1.54E-09	5.70E-09	5.01E-10	7.74E-09	1.74E-10	9.98E-10	1.19E-10	1.29E-09	1.59E-10	5.23E-10	3.60E-11	7.17E-10
5942	469231.76	3819599.85	1.79E-09	7.50E-09	6.75E-10	9.96E-09	1.49E-09	5.51E-09	4.85E-10	7.48E-09	1.69E-10	9.65E-10	1.15E-10	1.25E-09	1.53E-10	5.06E-10	3.48E-11	6.94E-10
5943	469228.24	3819590.89	1.73E-09	7.25E-09	6.53E-10	9.63E-09	1.44E-09	5.33E-09	4.69E-10	7.24E-09	1.63E-10	9.34E-10	1.11E-10	1.21E-09	1.48E-10	4.89E-10	3.37E-11	6.71E-10
5944	469224.72	3819581.93	1.67E-09	7.02E-09	6.32E-10	9.32E-09	1.39E-09	5.16E-09	4.54E-10	7.00E-09	1.58E-10	9.04E-10	1.08E-10	1.17E-09	1.43E-10	4.73E-10	3.26E-11	6.49E-10
5945	469221.2	3819572.97	1.62E-09	6.80E-09	6.12E-10	9.03E-09	1.35E-09	4.99E-09	4.39E-10	6.78E-09	1.53E-10	8.75E-10	1.04E-10	1.13E-09	1.39E-10	4.58E-10	3.16E-11	6.29E-10
5946	469217.68	3819564.01	1.57E-09	6.59E-09	5.93E-10	8.75E-09	1.31E-09	4.84E-09	4.26E-10	6.57E-09	1.48E-10	8.48E-10	1.01E-10	1.10E-09	1.35E-10	4.44E-10	3.06E-11	6.09E-10
5947	469214.16	3819555.05	1.52E-09	6.38E-09	5.75E-10	8.48E-09	1.27E-09	4.69E-09	4.13E-10	6.37E-09	1.44E-10	8.22E-10	9.81E-11	1.06E-09	1.31E-10	4.30E-10	2.97E-11	5.91E-10
5948	469210.64	3819546.08	1.47E-09	6.19E-09	5.58E-10	8.22E-09	1.23E-09	4.55E-09	4.00E-10	6.18E-09	1.39E-10	7.97E-10	9.51E-11	1.03E-09	1.27E-10	4.17E-10	2.88E-11	5.73E-10
5949	469207.12	3819537.12	1.43E-09	6.00E-09	5.41E-10	7.98E-09	1.19E-09	4.41E-09	3.88E-10	5.99E-09	1.35E-10	7.73E-10	9.22E-11	1.00E-09	1.23E-10	4.05E-10	2.79E-11	5.55E-10
5950	469203.6	3819528.16	1.39E-09	5.83E-09	5.25E-10	7.74E-09	1.16E-09	4.28E-09	3.77E-10	5.82E-09	1.31E-10	7.50E-10	8.95E-11	9.71E-10	1.19E-10	3.93E-10	2.71E-11	5.39E-10
5951	469200.08	3819519.2	1.35E-09	5.66E-09	5.10E-10	7.52E-09	1.12E-09	4.16E-09	3.66E-10	5.65E-09	1.27E-10	7.29E-10	8.70E-11	9.43E-10	1.16E-10	3.82E-10	2.63E-11	5.24E-10
5952	469196.56	3819510.24	1.31E-09	5.50E-09	4.95E-10	7.31E-09	1.09E-09	4.04E-09	3.56E-10	5.49E-09	1.24E-10	7.08E-10	8.45E-11	9.16E-10	1.12E-10	3.71E-10	2.56E-11	5.09E-10
5953	469193.04	3819501.28	1.27E-09	5.35E-09	4.82E-10	7.10E-09	1.06E-09	3.93E-09	3.46E-10	5.34E-09	1.20E-10	6.88E-10	8.21E-11	8.91E-10	1.09E-10	3.60E-10	2.48E-11	4.95E-10
5954	469189.52	3819492.31	1.24E-09	5.20E-09	4.68E-10	6.90E-09	1.03E-09	3.82E-09	3.36E-10	5.19E-09	1.17E-10	6.69E-10	7.98E-11	8.66E-10	1.06E-10	3.50E-10	2.42E-11	4.81E-10
5955	469186	3819483.35	1.20E-09	5.05E-09	4.55E-10	6.71E-09	1.00E-09	3.71E-09	3.26E-10	5.04E-09	1.14E-10	6.50E-10	7.76E-11	8.41E-10	1.03E-10	3.40E-10	2.35E-11	4.67E-10
5956	469182.48	3819474.39	1.17E-09	4.91E-09	4.42E-10	6.52E-09	9.74E-10	3.61E-09	3.18E-10	4.90E-09	1.10E-10	6.32E-10	7.55E-11	8.18E-10	1.00E-10	3.31E-10	2.28E-11	4.54E-10
5957	469178.97	3819465.43	1.14E-09	4.78E-09	4.30E-10	6.35E-09	9.48E-10	3.51E-09	3.09E-10	4.77E-09	1.07E-10	6.15E-10	7.34E-11	7.96E-10	9.77E-11	3.22E-10	2.22E-11	4.42E-10
5958	469175.45	3819456.47	1.11E-09	4.66E-09	4.20E-10	6.19E-09	9.24E-10	3.42E-09	3.01E-10	4.65E-09	1.05E-10	6.00E-10	7.16E-11	7.76E-10	9.52E-11	3.14E-10	2.16E-11	4.31E-10
5959	469171.93	3819447.51	1.08E-09	4.54E-09	4.09E-10	6.03E-09	9.01E-10	3.34E-09	2.94E-10	4.53E-09	1.02E-10	5.85E-10	6.98E-11	7.57E-10	9.29E-11	3.06E-10	2.11E-11	4.20E-10
5960	469168.41	3819438.54	1.06E-09	4.43E-09	3.99E-10	5.89E-09	8.80E-10	3.26E-09	2.87E-10	4.42E-09	9.97E-11	5.71E-10	6.81E-11	7.39E-10	9.06E-11	2.99E-10	2.06E-11	4.10E-10
5961	470091.62	3820388.31	9.79E-09	4.11E-08	3.70E-09	5.46E-08	8.16E-09	3.02E-08	2.66E-09	4.10E-08	9.25E-10	5.29E-09	6.32E-10	6.85E-09	8.41E-10	2.77E-09	1.91E-10	3.80E-09
5962	470101.31	3820388.44	9.75E-09	4.09E-08	3.69E-09	5.44E-08	8.12E-09	3.01E-08	2.65E-09	4.08E-08	9.20E-10	5.27E-09	6.29E-10	6.82E-09	8.37E-10	2.76E-09	1.90E-10	3.79E-09
5963	470111.01	3820388.58	9.69E-09	4.07E-08	3.67E-09	5.41E-08	8.07E-09	2.99E-08	2.63E-09	4.06E-08	9.15E-10	5.24E-09	6.25E-10	6.78E-09	8.32E-10	2.74E-09	1.89E-10	3.77E-09

5964	470120.71	3820388.71	9.64E-09	4.05E-08	3.65E-09	5.38E-08	8.03E-09	2.97E-08	2.62E-09	4.04E-08	9.10E-10	5.21E-09	6.22E-10	6.74E-09	8.28E-10	2.73E-09	1.88E-10	3.74E-09
5965	470130.4	3820388.85	9.58E-09	4.02E-08	3.62E-09	5.34E-08	7.98E-09	2.96E-08	2.60E-09	4.01E-08	9.05E-10	5.18E-09	6.18E-10	6.70E-09	8.23E-10	2.71E-09	1.87E-10	3.72E-09
5966	470140.1	3820388.98	9.52E-09	4.00E-08	3.60E-09	5.31E-08	7.93E-09	2.94E-08	2.58E-09	3.99E-08	8.99E-10	5.14E-09	6.14E-10	6.66E-09	8.17E-10	2.69E-09	1.86E-10	3.70E-09
5967	470149.8	3820389.12	9.44E-09	3.96E-08	3.57E-09	5.27E-08	7.86E-09	2.91E-08	2.56E-09	3.96E-08	8.91E-10	5.10E-09	6.09E-10	6.60E-09	8.10E-10	2.67E-09	1.84E-10	3.67E-09
5968	470159.5	3820389.25	9.36E-09	3.93E-08	3.54E-09	5.22E-08	7.80E-09	2.89E-08	2.54E-09	3.92E-08	8.84E-10	5.06E-09	6.04E-10	6.55E-09	8.03E-10	2.65E-09	1.83E-10	3.64E-09
5969	470169.19	3820389.39	9.27E-09	3.89E-08	3.51E-09	5.17E-08	7.73E-09	2.86E-08	2.52E-09	3.89E-08	8.76E-10	5.01E-09	5.98E-10	6.49E-09	7.96E-10	2.63E-09	1.81E-10	3.60E-09
5970	470178.89	3820389.52	9.19E-09	3.86E-08	3.48E-09	5.13E-08	7.66E-09	2.84E-08	2.49E-09	3.85E-08	8.68E-10	4.97E-09	5.93E-10	6.43E-09	7.89E-10	2.60E-09	1.79E-10	3.57E-09
5971	470188.59	3820389.66	9.11E-09	3.82E-08	3.44E-09	5.08E-08	7.59E-09	2.81E-08	2.47E-09	3.82E-08	8.60E-10	4.92E-09	5.87E-10	6.37E-09	7.82E-10	2.58E-09	1.78E-10	3.54E-09
5972	470198.28	3820389.79	9.02E-09	3.79E-08	3.41E-09	5.03E-08	7.51E-09	2.78E-08	2.45E-09	3.78E-08	8.52E-10	4.88E-09	5.82E-10	6.31E-09	7.74E-10	2.55E-09	1.76E-10	3.50E-09
5973	470207.98	3820389.93	8.93E-09	3.75E-08	3.38E-09	4.98E-08	7.44E-09	2.76E-08	2.42E-09	3.74E-08	8.43E-10	4.83E-09	5.76E-10	6.25E-09	7.67E-10	2.53E-09	1.74E-10	3.47E-09
5974	470217.68	3820390.06	8.84E-09	3.71E-08	3.34E-09	4.93E-08	7.36E-09	2.73E-08	2.40E-09	3.70E-08	8.35E-10	4.78E-09	5.70E-10	6.18E-09	7.59E-10	2.50E-09	1.73E-10	3.43E-09
5975	470227.38	3820390.2	8.75E-09	3.68E-08	3.31E-09	4.88E-08	7.29E-09	2.70E-08	2.38E-09	3.67E-08	8.26E-10	4.73E-09	5.64E-10	6.12E-09	7.51E-10	2.48E-09	1.71E-10	3.40E-09
5976	470237.07	3820390.33	8.66E-09	3.64E-08	3.27E-09	4.83E-08	7.21E-09	2.67E-08	2.35E-09	3.63E-08	8.18E-10	4.68E-09	5.58E-10	6.06E-09	7.43E-10	2.45E-09	1.69E-10	3.36E-09
5977	470246.77	3820390.47	8.57E-09	3.60E-08	3.24E-09	4.78E-08	7.13E-09	2.64E-08	2.33E-09	3.59E-08	8.09E-10	4.63E-09	5.52E-10	5.99E-09	7.35E-10	2.42E-09	1.67E-10	3.33E-09
5978	470256.47	3820390.6	8.47E-09	3.56E-08	3.20E-09	4.73E-08	7.06E-09	2.61E-08	2.30E-09	3.55E-08	8.00E-10	4.58E-09	5.47E-10	5.93E-09	7.27E-10	2.40E-09	1.65E-10	3.29E-09
5979	470266.17	3820390.74	8.38E-09	3.52E-08	3.17E-09	4.68E-08	6.98E-09	2.59E-08	2.28E-09	3.51E-08	7.92E-10	4.53E-09	5.41E-10	5.86E-09	7.20E-10	2.37E-09	1.64E-10	3.26E-09
5980	470081.62	3820464.46	8.65E-09	3.63E-08	3.27E-09	4.82E-08	7.20E-09	2.67E-08	2.35E-09	3.62E-08	8.16E-10	4.67E-09	5.58E-10	6.05E-09	7.42E-10	2.45E-09	1.69E-10	3.36E-09
5981	470072.74	3820460.62	8.73E-09	3.67E-08	3.30E-09	4.87E-08	7.27E-09	2.69E-08	2.37E-09	3.66E-08	8.24E-10	4.72E-09	5.63E-10	6.11E-09	7.49E-10	2.47E-09	1.70E-10	3.39E-09
5982	470063.86	3820456.78	8.81E-09	3.70E-08	3.33E-09	4.91E-08	7.34E-09	2.72E-08	2.39E-09	3.69E-08	8.32E-10	4.76E-09	5.68E-10	6.16E-09	7.56E-10	2.49E-09	1.72E-10	3.42E-09
5983	470054.99	3820452.94	8.88E-09	3.73E-08	3.36E-09	4.95E-08	7.40E-09	2.74E-08	2.41E-09	3.72E-08	8.39E-10	4.80E-09	5.73E-10	6.21E-09	7.63E-10	2.51E-09	1.73E-10	3.45E-09
5984	470046.11	3820449.1	8.95E-09	3.76E-08	3.39E-09	4.99E-08	7.46E-09	2.76E-08	2.43E-09	3.75E-08	8.45E-10	4.84E-09	5.77E-10	6.26E-09	7.69E-10	2.53E-09	1.75E-10	3.48E-09
5985	470037.23	3820445.26	9.02E-09	3.79E-08	3.41E-09	5.03E-08	7.51E-09	2.78E-08	2.45E-09	3.78E-08	8.52E-10	4.88E-09	5.82E-10	6.31E-09	7.74E-10	2.55E-09	1.76E-10	3.50E-09
5986	470028.35	3820441.43	9.08E-09	3.81E-08	3.44E-09	5.07E-08	7.57E-09	2.80E-08	2.47E-09	3.81E-08	8.58E-10	4.91E-09	5.86E-10	6.35E-09	7.80E-10	2.57E-09	1.77E-10	3.53E-09
5987	470019.47	3820437.59	9.14E-09	3.84E-08	3.46E-09	5.10E-08	7.61E-09	2.82E-08	2.48E-09	3.83E-08	8.63E-10	4.94E-09	5.89E-10	6.39E-09	7.85E-10	2.59E-09	1.78E-10	3.55E-09
5988	470010.59	3820433.75	9.19E-09	3.86E-08	3.47E-09	5.12E-08	7.65E-09	2.83E-08	2.49E-09	3.85E-08	8.67E-10	4.97E-09	5.92E-10	6.43E-09	7.89E-10	2.60E-09	1.79E-10	3.57E-09
5989	470001.71	3820429.91	9.22E-09	3.87E-08	3.49E-09	5.15E-08	7.68E-09	2.85E-08	2.50E-09	3.87E-08	8.71E-10	4.99E-09	5.95E-10	6.45E-09	7.92E-10	2.61E-09	1.80E-10	3.58E-09
5990	469992.83	3820426.07	9.26E-09	3.89E-08	3.50E-09	5.16E-08	7.71E-09	2.86E-08	2.51E-09	3.88E-08	8.74E-10	5.00E-09	5.97E-10	6.48E-09	7.95E-10	2.62E-09	1.81E-10	3.60E-09
5991	469983.96	3820422.23	9.29E-09	3.90E-08	3.51E-09	5.18E-08	7.74E-09	2.87E-08	2.52E-09	3.89E-08	8.77E-10	5.02E-09	5.99E-10	6.50E-09	7.97E-10	2.63E-09	1.81E-10	3.61E-09
5992	469975.08	3820418.39	9.31E-09	3.91E-08	3.52E-09	5.19E-08	7.76E-09	2.87E-08	2.53E-09	3.90E-08	8.79E-10	5.03E-09	6.01E-10	6.51E-09	7.99E-10	2.64E-09	1.82E-10	3.62E-09
5993	469966.2	3820414.55	9.33E-09	3.92E-08	3.53E-09	5.20E-08	7.77E-09	2.88E-08	2.53E-09	3.91E-08	8.81E-10	5.04E-09	6.02E-10	6.53E-09	8.01E-10	2.64E-09	1.82E-10	3.62E-09
5994	469957.32	3820410.71	9.34E-09	3.92E-08	3.53E-09	5.21E-08	7.78E-09	2.88E-08	2.54E-09	3.91E-08	8.82E-10	5.05E-09	6.02E-10	6.53E-09	8.02E-10	2.64E-09	1.82E-10	3.63E-09
5995	469948.44	3820406.87	9.34E-09	3.92E-08	3.53E-09	5.21E-08	7.78E-09	2.88E-08	2.54E-09	3.91E-08	8.82E-10	5.05E-09	6.02E-10	6.53E-09	8.02E-10	2.64E-09	1.82E-10	3.63E-09
5996	469939.56	3820403.03	9.33E-09	3.92E-08	3.53E-09	5.21E-08	7.77E-09	2.88E-08	2.53E-09	3.91E-08	8.81E-10	5.05E-09	6.02E-10	6.53E-09	8.01E-10	2.64E-09	1.82E-10	3.63E-09
5997	469930.68	3820399.19	9.32E-09	3.91E-08	3.53E-09	5.20E-08	7.76E-09	2.88E-08	2.53E-09	3.91E-08	8.80E-10	5.04E-09	6.01E-10	6.52E-09	8.00E-10	2.64E-09	1.82E-10	3.62E-09
5998	469921.8	3820395.35	9.31E-09	3.91E-08	3.52E-09	5.19E-08	7.75E-09	2.87E-08	2.53E-09	3.90E-08	8.79E-10	5.03E-09	6.00E-10	6.51E-09	7.99E-10	2.63E-09	1.82E-10	3.61E-09
5999	469912.92	3820391.51	9.28E-09	3.90E-08	3.51E-09	5.18E-08	7.73E-09	2.87E-08	2.52E-09	3.89E-08	8.77E-10	5.02E-09	5.99E-10	6.49E-09	7.97E-10	2.63E-09	1.81E-10	3.61E-09
6000	469904.05	3820387.67	9.26E-09	3.89E-08	3.50E-09	5.16E-08	7.71E-09	2.86E-08	2.51E-09	3.88E-08	8.74E-10	5.00E-09	5.97E-10	6.48E-09	7.95E-10	2.62E-09	1.81E-10	3.60E-09
6001	469895.17	3820383.83	9.22E-09	3.87E-08	3.49E-09	5.14E-08	7.68E-09	2.85E-08	2.50E-09	3.86E-08	8.71E-10	4.99E-09	5.95E-10	6.45E-09	7.92E-10	2.61E-09	1.80E-10	3.58E-09
6002	469886.29	3820379.99	9.18E-09	3.86E-08	3.47E-09	5.12E-08	7.65E-09	2.83E-08	2.49E-09	3.85E-08	8.67E-10	4.96E-09	5.92E-10	6.42E-09	7.88E-10	2.60E-09	1.79E-10	3.57E-09
6003	469877.41	3820376.15	9.14E-09	3.84E-08	3.46E-09	5.10E-08	7.61E-09	2.82E-08	2.48E-09	3.83E-08	8.63E-10	4.94E-09	5.90E-10	6.39E-09	7.85E-10	2.59E-09	1.78E-10	3.55E-09
6004	469868.53	3820372.31	9.09E-09	3.82E-08	3.44E-09	5.07E-08	7.57E-09	2.81E-08	2.47E-09	3.81E-08	8.58E-10	4.91E-09	5.86E-10	6.36E-09	7.80E-10	2.57E-09	1.77E-10	3.53E-09
6005	469859.65	3820368.48	9.03E-09	3.79E-08	3.42E-09	5.04E-08	7.53E-09	2.79E-08	2.45E-09	3.79E-08	8.53E-10	4.88E-09	5.83E-10	6.32E-09	7.76E-10	2.56E-09	1.76E-10	3.51E-09
6006	469850.77	3820364.64	8.98E-09	3.77E-08	3.39E-09	5.01E-08	7.48E-09	2.77E-08	2.44E-09	3.76E-08	8.48E-10	4.85E-09	5.79E-10	6.28E-09	7.71E-10	2.54E-09	1.75E-10	3.49E-09
6007	469841.89	3820360.8	8.91E-09	3.74E-08	3.37E-09	4.97E-08	7.42E-09	2.75E-08	2.42E-09	3.73E-08	8.42E-10	4.82E-09	5.75E-10	6.24E-09	7.65E-10	2.52E-09	1.74E-10	3.46E-09
6008	469833.02	3820356.96	8.85E-09	3.72E-08	3.35E-09	4.94E-08	7.37E-09	2.73E-08	2.40E-09	3.71E-08	8.36E-10	4.78E-09	5.71E-10	6.19E-09	7.60E-10	2.50E-09	1.73E-10	3.44E-09
6009	469824.14	3820353.12	8.78E-09	3.69E-08	3.32E-09	4.90E-08	7.31E-09	2.71E-08	2.38E-09	3.68E-08	8.29E-10	4.75E-09	5.66E-10	6.14E-09	7.54E-10	2.49E-09	1.71E-10	3.41E-09
6010	469815.26	3820349.28	8.71E-09	3.66E-08	3.29E-09	4.86E-08	7.25E-09	2.69E-08	2.36E-09	3.65E-08	8.22E-10	4.71E-09	5.62E-10	6.09E-09	7.48E-10	2.47E-09	1.70E-10	3.38E-09
6011	469806.38	3820345.44	8.64E-09	3.63E-08	3.27E-09	4.82E-08	7.19E-09	2.67E-08	2.34E-09	3.62E-08	8.16E-10	4.67E-09	5.57E-10	6.04E-09	7.41E-10	2.44E-09	1.69E-10	3.35E-09
6012	469797.5	3820341.6	8.56E-09	3.60E-08	3.24E-09	4.78E-08	7.13E-09	2.64E-08	2.32E-09	3.59E-08	8.09E-10	4.63E-09	5.52E-10	5.99E-09	7.35E-10	2.42E-09	1.67E-10	3.33E-09
6013	469788.62	3820337.76	8.49E-09	3.56E-08	3.21E-09	4.73E-08	7.07E-09	2.62E-08	2.30E-09	3.56E-08	8.01E-10	4.59E-09	5.47E-10	5.94E-09	7.28E-10	2.40E-09	1.66E-10	3.30E-09
6014	469726.47	3820310.88	7.93E-09	3.33E-08	3.00E-09	4.42E-08	6.60E-09	2.45E-08	2.15E-09	3.32E-08	7.49E-10	4.29E-09	5.11E-10	5.54E-09	6.80E-10	2.24E-09	1.55E-10	3.08E-09

6015	469717.59	3820307.04	7.85E-09	3.30E-08	2.97E-09	4.38E-08	6.54E-09	2.42E-08	2.13E-09	3.29E-08	7.41E-10	4.24E-09	5.06E-10	5.49E-09	6.74E-10	2.22E-09	1.53E-10	3.05E-09
6016	469708.71	3820303.2	7.77E-09	3.26E-08	2.94E-09	4.33E-08	6.47E-09	2.40E-08	2.11E-09	3.25E-08	7.34E-10	4.20E-09	5.01E-10	5.43E-09	6.67E-10	2.20E-09	1.52E-10	3.02E-09
6017	469699.83	3820299.37	7.69E-09	3.23E-08	2.91E-09	4.29E-08	6.41E-09	2.37E-08	2.09E-09	3.22E-08	7.26E-10	4.16E-09	4.96E-10	5.38E-09	6.60E-10	2.18E-09	1.50E-10	2.99E-09
6018	469611.04	3820260.97	6.97E-09	2.93E-08	2.64E-09	3.89E-08	5.81E-09	2.15E-08	1.89E-09	2.92E-08	6.58E-10	3.77E-09	4.50E-10	4.88E-09	5.98E-10	1.97E-09	1.36E-10	2.71E-09
6019	469602.17	3820257.13	6.90E-09	2.90E-08	2.61E-09	3.85E-08	5.75E-09	2.13E-08	1.87E-09	2.89E-08	6.52E-10	3.73E-09	4.45E-10	4.83E-09	5.93E-10	1.95E-09	1.35E-10	2.68E-09
6020	469593.29	3820253.29	6.84E-09	2.87E-08	2.59E-09	3.81E-08	5.70E-09	2.11E-08	1.86E-09	2.87E-08	6.46E-10	3.70E-09	4.41E-10	4.78E-09	5.87E-10	1.94E-09	1.33E-10	2.66E-09
6021	469584.41	3820249.45	6.77E-09	2.84E-08	2.56E-09	3.78E-08	5.64E-09	2.09E-08	1.84E-09	2.84E-08	6.40E-10	3.66E-09	4.37E-10	4.74E-09	5.81E-10	1.92E-09	1.32E-10	2.63E-09
6022	469575.53	3820245.61	6.71E-09	2.82E-08	2.54E-09	3.74E-08	5.59E-09	2.07E-08	1.82E-09	2.81E-08	6.34E-10	3.63E-09	4.33E-10	4.69E-09	5.76E-10	1.90E-09	1.31E-10	2.61E-09
6023	469566.65	3820241.77	6.64E-09	2.79E-08	2.51E-09	3.71E-08	5.53E-09	2.05E-08	1.80E-09	2.78E-08	6.27E-10	3.59E-09	4.29E-10	4.65E-09	5.70E-10	1.88E-09	1.30E-10	2.58E-09
6024	469557.77	3820237.93	6.58E-09	2.76E-08	2.49E-09	3.67E-08	5.48E-09	2.03E-08	1.79E-09	2.76E-08	6.21E-10	3.56E-09	4.24E-10	4.60E-09	5.65E-10	1.86E-09	1.28E-10	2.56E-09
6025	469548.89	3820234.09	6.52E-09	2.74E-08	2.46E-09	3.63E-08	5.43E-09	2.01E-08	1.77E-09	2.73E-08	6.15E-10	3.52E-09	4.20E-10	4.56E-09	5.59E-10	1.84E-09	1.27E-10	2.53E-09
6026	469540.01	3820230.26	6.45E-09	2.71E-08	2.44E-09	3.60E-08	5.37E-09	1.99E-08	1.75E-09	2.70E-08	6.09E-10	3.49E-09	4.16E-10	4.51E-09	5.54E-10	1.83E-09	1.26E-10	2.51E-09
6027	469531.13	3820226.42	6.39E-09	2.68E-08	2.42E-09	3.56E-08	5.32E-09	1.97E-08	1.73E-09	2.68E-08	6.03E-10	3.45E-09	4.12E-10	4.47E-09	5.48E-10	1.81E-09	1.25E-10	2.48E-09
6028	469522.26	3820222.58	6.32E-09	2.66E-08	2.39E-09	3.53E-08	5.27E-09	1.95E-08	1.72E-09	2.65E-08	5.97E-10	3.42E-09	4.08E-10	4.42E-09	5.43E-10	1.79E-09	1.23E-10	2.46E-09
6029	469513.38	3820218.74	6.26E-09	2.63E-08	2.37E-09	3.49E-08	5.21E-09	1.93E-08	1.70E-09	2.62E-08	5.91E-10	3.38E-09	4.04E-10	4.38E-09	5.37E-10	1.77E-09	1.22E-10	2.43E-09
6030	469504.5	3820214.9	6.19E-09	2.60E-08	2.34E-09	3.45E-08	5.16E-09	1.91E-08	1.68E-09	2.60E-08	5.85E-10	3.35E-09	3.99E-10	4.33E-09	5.32E-10	1.75E-09	1.21E-10	2.41E-09
6031	469495.62	3820211.06	6.13E-09	2.57E-08	2.32E-09	3.42E-08	5.10E-09	1.89E-08	1.66E-09	2.57E-08	5.79E-10	3.31E-09	3.95E-10	4.29E-09	5.26E-10	1.73E-09	1.20E-10	2.38E-09
6032	469486.74	3820207.22	6.06E-09	2.55E-08	2.29E-09	3.38E-08	5.05E-09	1.87E-08	1.65E-09	2.54E-08	5.72E-10	3.28E-09	3.91E-10	4.24E-09	5.20E-10	1.72E-09	1.18E-10	2.35E-09
6033	469477.86	3820203.38	5.99E-09	2.52E-08	2.27E-09	3.34E-08	4.99E-09	1.85E-08	1.63E-09	2.51E-08	5.66E-10	3.24E-09	3.87E-10	4.19E-09	5.15E-10	1.70E-09	1.17E-10	2.33E-09
6034	469468.98	3820199.54	5.93E-09	2.49E-08	2.24E-09	3.31E-08	4.94E-09	1.83E-08	1.61E-09	2.48E-08	5.60E-10	3.20E-09	3.82E-10	4.15E-09	5.09E-10	1.68E-09	1.16E-10	2.30E-09
6035	469460.1	3820195.7	5.86E-09	2.46E-08	2.22E-09	3.27E-08	4.88E-09	1.81E-08	1.59E-09	2.45E-08	5.53E-10	3.17E-09	3.78E-10	4.10E-09	5.03E-10	1.66E-09	1.14E-10	2.28E-09
6036	469451.23	3820191.86	5.79E-09	2.43E-08	2.19E-09	3.23E-08	4.82E-09	1.79E-08	1.57E-09	2.43E-08	5.47E-10	3.13E-09	3.73E-10	4.05E-09	4.97E-10	1.64E-09	1.13E-10	2.25E-09
6037	469442.35	3820188.02	5.72E-09	2.40E-08	2.16E-09	3.19E-08	4.76E-09	1.76E-08	1.55E-09	2.40E-08	5.40E-10	3.09E-09	3.69E-10	4.00E-09	4.91E-10	1.62E-09	1.12E-10	2.22E-09
6038	469433.47	3820184.18	5.65E-09	2.37E-08	2.14E-09	3.15E-08	4.70E-09	1.74E-08	1.53E-09	2.37E-08	5.33E-10	3.05E-09	3.64E-10	3.95E-09	4.85E-10	1.60E-09	1.10E-10	2.19E-09
6039	469424.59	3820180.34	5.58E-09	2.34E-08	2.11E-09	3.11E-08	4.64E-09	1.72E-08	1.51E-09	2.34E-08	5.27E-10	3.01E-09	3.60E-10	3.90E-09	4.79E-10	1.58E-09	1.09E-10	2.17E-09
6040	469415.71	3820176.5	5.50E-09	2.31E-08	2.08E-09	3.07E-08	4.58E-09	1.70E-08	1.49E-09	2.31E-08	5.20E-10	2.98E-09	3.55E-10	3.85E-09	4.72E-10	1.56E-09	1.07E-10	2.14E-09
6041	469406.83	3820172.66	5.43E-09	2.28E-08	2.05E-09	3.03E-08	4.52E-09	1.68E-08	1.47E-09	2.27E-08	5.13E-10	2.94E-09	3.50E-10	3.80E-09	4.66E-10	1.54E-09	1.06E-10	2.11E-09
6042	469397.95	3820168.82	5.35E-09	2.25E-08	2.02E-09	2.99E-08	4.46E-09	1.65E-08	1.45E-09	2.24E-08	5.06E-10	2.89E-09	3.45E-10	3.75E-09	4.60E-10	1.52E-09	1.04E-10	2.08E-09
6043	469389.07	3820164.98	5.28E-09	2.22E-08	2.00E-09	2.94E-08	4.40E-09	1.63E-08	1.43E-09	2.21E-08	4.98E-10	2.85E-09	3.40E-10	3.69E-09	4.53E-10	1.49E-09	1.03E-10	2.05E-09
6044	469380.19	3820161.15	5.20E-09	2.18E-08	1.97E-09	2.90E-08	4.33E-09	1.61E-08	1.41E-09	2.18E-08	4.91E-10	2.81E-09	3.36E-10	3.64E-09	4.47E-10	1.47E-09	1.02E-10	2.02E-09
6045	469367.78	3820148.3	5.11E-09	2.14E-08	1.93E-09	2.85E-08	4.25E-09	1.58E-08	1.39E-09	2.14E-08	4.82E-10	2.76E-09	3.29E-10	3.57E-09	4.38E-10	1.45E-09	9.96E-11	1.98E-09
6046	469364.24	3820139.3	5.08E-09	2.13E-08	1.92E-09	2.84E-08	4.23E-09	1.57E-08	1.38E-09	2.13E-08	4.80E-10	2.75E-09	3.28E-10	3.56E-09	4.36E-10	1.44E-09	9.92E-11	1.97E-09
6047	469360.71	3820130.29	5.06E-09	2.12E-08	1.91E-09	2.82E-08	4.21E-09	1.56E-08	1.37E-09	2.12E-08	4.78E-10	2.74E-09	3.26E-10	3.54E-09	4.34E-10	1.43E-09	9.87E-11	1.97E-09
6048	469357.17	3820121.29	5.03E-09	2.11E-08	1.90E-09	2.81E-08	4.19E-09	1.55E-08	1.37E-09	2.11E-08	4.75E-10	2.72E-09	3.25E-10	3.52E-09	4.32E-10	1.42E-09	9.82E-11	1.95E-09
6049	469353.64	3820112.29	5.00E-09	2.10E-08	1.89E-09	2.79E-08	4.17E-09	1.54E-08	1.36E-09	2.10E-08	4.72E-10	2.70E-09	3.23E-10	3.50E-09	4.29E-10	1.42E-09	9.76E-11	1.94E-09
6050	469350.1	3820103.28	4.97E-09	2.09E-08	1.88E-09	2.77E-08	4.14E-09	1.53E-08	1.35E-09	2.08E-08	4.69E-10	2.69E-09	3.21E-10	3.48E-09	4.27E-10	1.41E-09	9.70E-11	1.93E-09
6051	469346.56	3820094.28	4.94E-09	2.07E-08	1.87E-09	2.75E-08	4.11E-09	1.52E-08	1.34E-09	2.07E-08	4.66E-10	2.67E-09	3.18E-10	3.45E-09	4.24E-10	1.40E-09	9.63E-11	1.92E-09
6052	469343.03	3820085.27	4.90E-09	2.06E-08	1.85E-09	2.73E-08	4.08E-09	1.51E-08	1.33E-09	2.05E-08	4.63E-10	2.65E-09	3.16E-10	3.43E-09	4.21E-10	1.39E-09	9.56E-11	1.90E-09
6053	469339.49	3820076.27	4.86E-09	2.04E-08	1.84E-09	2.71E-08	4.05E-09	1.50E-08	1.32E-09	2.04E-08	4.59E-10	2.63E-09	3.14E-10	3.40E-09	4.17E-10	1.38E-09	9.49E-11	1.89E-09
6054	469335.96	3820067.27	4.82E-09	2.02E-08	1.82E-09	2.69E-08	4.02E-09	1.49E-08	1.31E-09	2.02E-08	4.55E-10	2.61E-09	3.11E-10	3.37E-09	4.14E-10	1.36E-09	9.41E-11	1.87E-09
6055	469332.42	3820058.26	4.78E-09	2.01E-08	1.81E-09	2.66E-08	3.98E-09	1.47E-08	1.30E-09	2.00E-08	4.51E-10	2.58E-09	3.08E-10	3.34E-09	4.10E-10	1.35E-09	9.32E-11	1.86E-09
6056	469328.88	3820049.26	4.73E-09	1.99E-08	1.79E-09	2.64E-08	3.94E-09	1.46E-08	1.28E-09	1.98E-08	4.47E-10	2.56E-09	3.05E-10	3.31E-09	4.06E-10	1.34E-09	9.23E-11	1.84E-09
6057	469325.35	3820040.25	4.68E-09	1.97E-08	1.77E-09	2.61E-08	3.90E-09	1.44E-08	1.27E-09	1.96E-08	4.42E-10	2.53E-09	3.02E-10	3.27E-09	4.02E-10	1.33E-09	9.13E-11	1.82E-09
6058	469190.98	3819698.1	2.02E-09	8.48E-09	7.64E-10	1.13E-08	1.68E-09	6.23E-09	5.48E-10	8.46E-09	1.91E-10	1.09E-09	1.30E-10	1.41E-09	1.73E-10	5.72E-10	3.94E-11	7.84E-10
6059	469187.45	3819689.1	1.96E-09	8.22E-09	7.40E-10	1.09E-08	1.63E-09	6.04E-09	5.31E-10	8.20E-09	1.85E-10	1.06E-09	1.26E-10	1.37E-09	1.68E-10	5.54E-10	3.82E-11	7.60E-10
6060	469183.91	3819680.09	1.90E-09	7.97E-09	7.17E-10	1.06E-08	1.58E-09	5.85E-09	5.15E-10	7.95E-09	1.79E-10	1.03E-09	1.22E-10	1.33E-09	1.63E-10	5.37E-10	3.70E-11	7.37E-10
6061	469180.37	3819671.09	1.84E-09	7.72E-09	6.95E-10	1.03E-08	1.53E-09	5.67E-09	4.99E-10	7.70E-09	1.74E-10	9.94E-10	1.19E-10	1.29E-09	1.58E-10	5.20E-10	3.59E-11	7.14E-10
6062	469176.84	3819662.09	1.78E-09	7.48E-09	6.74E-10	9.94E-09	1.48E-09	5.50E-09	4.84E-10	7.47E-09	1.68E-10	9.63E-10	1.15E-10	1.25E-09	1.53E-10	5.04E-10	3.48E-11	6.92E-10
6063	469173.3	3819653.08	1.73E-09	7.25E-09	6.53E-10	9.63E-09	1.44E-09	5.33E-09	4.69E-10	7.23E-09	1.63E-10	9.33E-10	1.11E-10	1.21E-09	1.48E-10	4.89E-10	3.37E-11	6.70E-10
6064	469169.77	3819644.08	1.67E-09	7.02E-09	6.32E-10	9.33E-09	1.39E-09	5.16E-09	4.54E-10	7.01E-09	1.58E-10	9.04E-10	1.08E-10	1.17E-09	1.44E-10	4.73E-10	3.26E-11	6.49E-10
6065	469166.23	3819635.07	1.62E-09	6.80E-09	6.13E-10	9.04E-09	1.35E-09	5.00E-09	4.40E-10	6.79E-09	1.53E-10	8.76E-10	1.04E-10	1.13E-09	1.39E-10	4.59E-10	3.16E-11	6.29E-10

6066	469162.7	3819626.07	1.57E-09	6.59E-09	5.94E-10	8.76E-09	1.31E-09	4.84E-09	4.26E-10	6.58E-09	1.48E-10	8.49E-10	1.01E-10	1.10E-09	1.35E-10	4.44E-10	3.06E-11	6.10E-10
6067	469159.16	3819617.07	1.52E-09	6.39E-09	5.76E-10	8.49E-09	1.27E-09	4.70E-09	4.13E-10	6.38E-09	1.44E-10	8.23E-10	9.82E-11	1.06E-09	1.31E-10	4.31E-10	2.97E-11	5.91E-10
6068	469155.62	3819608.06	1.47E-09	6.19E-09	5.58E-10	8.22E-09	1.23E-09	4.55E-09	4.00E-10	6.18E-09	1.39E-10	7.97E-10	9.51E-11	1.03E-09	1.27E-10	4.17E-10	2.88E-11	5.73E-10
6069	469152.09	3819599.06	1.43E-09	6.00E-09	5.41E-10	7.98E-09	1.19E-09	4.41E-09	3.88E-10	5.99E-09	1.35E-10	7.73E-10	9.22E-11	1.00E-09	1.23E-10	4.05E-10	2.79E-11	5.55E-10
6070	469148.55	3819590.05	1.39E-09	5.83E-09	5.25E-10	7.74E-09	1.16E-09	4.28E-09	3.77E-10	5.81E-09	1.31E-10	7.50E-10	8.95E-11	9.70E-10	1.19E-10	3.93E-10	2.71E-11	5.39E-10
6071	469145.02	3819581.05	1.35E-09	5.66E-09	5.09E-10	7.51E-09	1.12E-09	4.16E-09	3.66E-10	5.64E-09	1.27E-10	7.28E-10	8.69E-11	9.42E-10	1.16E-10	3.81E-10	2.63E-11	5.23E-10
6072	469141.48	3819572.05	1.31E-09	5.49E-09	4.95E-10	7.29E-09	1.09E-09	4.04E-09	3.55E-10	5.48E-09	1.23E-10	7.07E-10	8.43E-11	9.15E-10	1.12E-10	3.70E-10	2.55E-11	5.08E-10
6073	469137.94	3819563.04	1.27E-09	5.33E-09	4.80E-10	7.08E-09	1.06E-09	3.92E-09	3.45E-10	5.32E-09	1.20E-10	6.87E-10	8.19E-11	8.88E-10	1.09E-10	3.59E-10	2.48E-11	4.93E-10
6074	469134.41	3819554.04	1.23E-09	5.18E-09	4.67E-10	6.88E-09	1.03E-09	3.81E-09	3.35E-10	5.17E-09	1.17E-10	6.67E-10	7.96E-11	8.63E-10	1.06E-10	3.49E-10	2.41E-11	4.79E-10
6075	469130.87	3819545.03	1.20E-09	5.04E-09	4.54E-10	6.69E-09	1.00E-09	3.70E-09	3.26E-10	5.03E-09	1.13E-10	6.49E-10	7.74E-11	8.39E-10	1.03E-10	3.40E-10	2.34E-11	4.66E-10
6076	469127.34	3819536.03	1.17E-09	4.90E-09	4.41E-10	6.51E-09	9.72E-10	3.60E-09	3.17E-10	4.89E-09	1.10E-10	6.31E-10	7.53E-11	8.16E-10	1.00E-10	3.30E-10	2.28E-11	4.53E-10
6077	469123.8	3819527.03	1.14E-09	4.77E-09	4.29E-10	6.33E-09	9.46E-10	3.50E-09	3.08E-10	4.76E-09	1.07E-10	6.14E-10	7.32E-11	7.94E-10	9.75E-11	3.21E-10	2.22E-11	4.41E-10
6078	469120.26	3819518.02	1.11E-09	4.64E-09	4.18E-10	6.17E-09	9.21E-10	3.41E-09	3.00E-10	4.63E-09	1.04E-10	5.98E-10	7.13E-11	7.74E-10	9.49E-11	3.13E-10	2.16E-11	4.30E-10
6079	469116.73	3819509.02	1.08E-09	4.52E-09	4.07E-10	6.01E-09	8.97E-10	3.32E-09	2.92E-10	4.51E-09	1.02E-10	5.82E-10	6.95E-11	7.54E-10	9.25E-11	3.05E-10	2.10E-11	4.18E-10
6080	469113.19	3819500.01	1.05E-09	4.41E-09	3.97E-10	5.86E-09	8.74E-10	3.24E-09	2.85E-10	4.40E-09	9.91E-11	5.67E-10	6.77E-11	7.34E-10	9.01E-11	2.97E-10	2.05E-11	4.08E-10
6081	469109.66	3819491.01	1.02E-09	4.30E-09	3.87E-10	5.71E-09	8.52E-10	3.16E-09	2.78E-10	4.29E-09	9.66E-11	5.53E-10	6.60E-11	7.16E-10	8.78E-11	2.90E-10	2.00E-11	3.97E-10
6082	469106.12	3819482.01	9.97E-10	4.19E-09	3.77E-10	5.56E-09	8.30E-10	3.08E-09	2.71E-10	4.18E-09	9.41E-11	5.39E-10	6.43E-11	6.97E-10	8.56E-11	2.82E-10	1.95E-11	3.87E-10
6083	469102.58	3819473	9.72E-10	4.08E-09	3.68E-10	5.42E-09	8.10E-10	3.00E-09	2.64E-10	4.07E-09	9.18E-11	5.26E-10	6.27E-11	6.80E-10	8.35E-11	2.75E-10	1.90E-11	3.78E-10
6084	470090.5	3820468.3	8.56E-09	3.59E-08	3.24E-09	4.77E-08	7.13E-09	2.64E-08	2.32E-09	3.59E-08	8.08E-10	4.63E-09	5.52E-10	5.99E-09	7.35E-10	2.42E-09	1.67E-10	3.32E-09
6085	470100.2	3820468.44	8.51E-09	3.58E-08	3.22E-09	4.75E-08	7.09E-09	2.63E-08	2.31E-09	3.57E-08	8.04E-10	4.60E-09	5.49E-10	5.96E-09	7.31E-10	2.41E-09	1.66E-10	3.31E-09
6086	470109.9	3820468.57	8.47E-09	3.56E-08	3.20E-09	4.72E-08	7.05E-09	2.61E-08	2.30E-09	3.55E-08	8.00E-10	4.58E-09	5.46E-10	5.92E-09	7.27E-10	2.40E-09	1.65E-10	3.29E-09
6087	470119.59	3820468.71	8.42E-09	3.53E-08	3.18E-09	4.69E-08	7.01E-09	2.60E-08	2.28E-09	3.53E-08	7.95E-10	4.55E-09	5.43E-10	5.89E-09	7.23E-10	2.38E-09	1.64E-10	3.27E-09
6088	470129.29	3820468.84	8.36E-09	3.51E-08	3.16E-09	4.67E-08	6.97E-09	2.58E-08	2.27E-09	3.51E-08	7.90E-10	4.52E-09	5.40E-10	5.85E-09	7.18E-10	2.37E-09	1.63E-10	3.25E-09
6089	470138.99	3820468.98	8.31E-09	3.49E-08	3.14E-09	4.63E-08	6.92E-09	2.56E-08	2.26E-09	3.48E-08	7.84E-10	4.49E-09	5.36E-10	5.81E-09	7.13E-10	2.35E-09	1.62E-10	3.23E-09
6090	470148.68	3820469.11	8.24E-09	3.46E-08	3.12E-09	4.60E-08	6.87E-09	2.54E-08	2.24E-09	3.45E-08	7.79E-10	4.46E-09	5.32E-10	5.77E-09	7.08E-10	2.33E-09	1.61E-10	3.20E-09
6091	470158.38	3820469.25	8.18E-09	3.43E-08	3.09E-09	4.56E-08	6.81E-09	2.52E-08	2.22E-09	3.43E-08	7.72E-10	4.42E-09	5.27E-10	5.72E-09	7.02E-10	2.31E-09	1.60E-10	3.18E-09
6092	470168.08	3820469.38	8.11E-09	3.40E-08	3.07E-09	4.52E-08	6.75E-09	2.50E-08	2.20E-09	3.40E-08	7.66E-10	4.38E-09	5.23E-10	5.67E-09	6.96E-10	2.29E-09	1.58E-10	3.15E-09
6093	470177.78	3820469.52	8.04E-09	3.37E-08	3.04E-09	4.48E-08	6.69E-09	2.48E-08	2.18E-09	3.37E-08	7.59E-10	4.34E-09	5.18E-10	5.62E-09	6.90E-10	2.27E-09	1.57E-10	3.12E-09
6094	470187.47	3820469.65	7.96E-09	3.34E-08	3.01E-09	4.44E-08	6.63E-09	2.46E-08	2.16E-09	3.34E-08	7.52E-10	4.31E-09	5.14E-10	5.57E-09	6.84E-10	2.25E-09	1.55E-10	3.09E-09
6095	470197.17	3820469.79	7.89E-09	3.31E-08	2.98E-09	4.40E-08	6.57E-09	2.43E-08	2.14E-09	3.31E-08	7.45E-10	4.27E-09	5.09E-10	5.52E-09	6.77E-10	2.23E-09	1.54E-10	3.06E-09
6096	470206.87	3820469.92	7.81E-09	3.28E-08	2.96E-09	4.36E-08	6.51E-09	2.41E-08	2.12E-09	3.27E-08	7.38E-10	4.22E-09	5.04E-10	5.47E-09	6.71E-10	2.21E-09	1.52E-10	3.04E-09
6097	470216.57	3820470.06	7.74E-09	3.25E-08	2.93E-09	4.32E-08	6.45E-09	2.39E-08	2.10E-09	3.24E-08	7.31E-10	4.18E-09	4.99E-10	5.41E-09	6.64E-10	2.19E-09	1.51E-10	3.01E-09
6098	470226.26	3820470.19	7.66E-09	3.22E-08	2.90E-09	4.28E-08	6.38E-09	2.37E-08	2.08E-09	3.21E-08	7.24E-10	4.14E-09	4.94E-10	5.36E-09	6.58E-10	2.17E-09	1.50E-10	2.98E-09
6099	470235.96	3820470.33	7.59E-09	3.19E-08	2.87E-09	4.23E-08	6.32E-09	2.34E-08	2.06E-09	3.18E-08	7.17E-10	4.10E-09	4.89E-10	5.31E-09	6.51E-10	2.15E-09	1.48E-10	2.95E-09
6100	470245.66	3820470.46	7.51E-09	3.15E-08	2.84E-09	4.19E-08	6.26E-09	2.32E-08	2.04E-09	3.15E-08	7.09E-10	4.06E-09	4.84E-10	5.25E-09	6.45E-10	2.13E-09	1.47E-10	2.92E-09
6101	470255.35	3820470.6	7.44E-09	3.12E-08	2.81E-09	4.15E-08	6.19E-09	2.29E-08	2.02E-09	3.12E-08	7.02E-10	4.02E-09	4.80E-10	5.20E-09	6.38E-10	2.10E-09	1.45E-10	2.89E-09
6102	470265.05	3820470.73	7.36E-09	3.09E-08	2.78E-09	4.11E-08	6.13E-09	2.27E-08	2.00E-09	3.08E-08	6.95E-10	3.98E-09	4.75E-10	5.15E-09	6.32E-10	2.08E-09	1.44E-10	2.86E-09
6103	470080.57	3820544.48	7.64E-09	3.21E-08	2.89E-09	4.26E-08	6.37E-09	2.36E-08	2.07E-09	3.20E-08	7.22E-10	4.13E-09	4.93E-10	5.35E-09	6.56E-10	2.16E-09	1.49E-10	2.97E-09
6104	470071.76	3820540.67	7.72E-09	3.24E-08	2.92E-09	4.30E-08	6.43E-09	2.38E-08	2.09E-09	3.23E-08	7.29E-10	4.17E-09	4.98E-10	5.40E-09	6.62E-10	2.18E-09	1.51E-10	3.00E-09
6105	470062.95	3820536.86	7.79E-09	3.27E-08	2.94E-09	4.34E-08	6.49E-09	2.40E-08	2.11E-09	3.26E-08	7.35E-10	4.21E-09	5.02E-10	5.45E-09	6.68E-10	2.20E-09	1.52E-10	3.02E-09
6106	470054.13	3820533.05	7.85E-09	3.30E-08	2.97E-09	4.38E-08	6.54E-09	2.42E-08	2.13E-09	3.29E-08	7.42E-10	4.24E-09	5.06E-10	5.49E-09	6.74E-10	2.22E-09	1.53E-10	3.05E-09
6107	470045.32	3820529.24	7.92E-09	3.32E-08	2.99E-09	4.42E-08	6.59E-09	2.44E-08	2.15E-09	3.32E-08	7.47E-10	4.28E-09	5.11E-10	5.54E-09	6.80E-10	2.24E-09	1.54E-10	3.07E-09
6108	470036.51	3820525.43	7.97E-09	3.35E-08	3.02E-09	4.45E-08	6.64E-09	2.46E-08	2.16E-09	3.34E-08	7.53E-10	4.31E-09	5.14E-10	5.58E-09	6.85E-10	2.26E-09	1.56E-10	3.10E-09
6109	470027.69	3820521.61	8.03E-09	3.37E-08	3.04E-09	4.48E-08	6.69E-09	2.48E-08	2.18E-09	3.36E-08	7.58E-10	4.34E-09	5.18E-10	5.62E-09	6.89E-10	2.27E-09	1.57E-10	3.12E-09
6110	470018.88	3820517.8	8.08E-09	3.39E-08	3.06E-09	4.51E-08	6.73E-09	2.49E-08	2.19E-09	3.39E-08	7.63E-10	4.37E-09	5.21E-10	5.65E-09	6.94E-10	2.29E-09	1.58E-10	3.14E-09
6111	470010.07	3820513.99	8.13E-09	3.41E-08	3.07E-09	4.53E-08	6.77E-09	2.51E-08	2.21E-09	3.41E-08	7.68E-10	4.39E-09	5.24E-10	5.69E-09	6.98E-10	2.30E-09	1.59E-10	3.16E-09
6112	470001.25	3820510.18	8.17E-09	3.43E-08	3.09E-09	4.56E-08	6.81E-09	2.52E-08	2.22E-09	3.42E-08	7.72E-10	4.42E-09	5.27E-10	5.72E-09	7.01E-10	2.31E-09	1.59E-10	3.17E-09
6113	469992.44	3820506.37	8.21E-09	3.45E-08	3.11E-09	4.58E-08	6.84E-09	2.53E-08	2.23E-09	3.44E-08	7.75E-10	4.44E-09	5.30E-10	5.74E-09	7.05E-10	2.32E-09	1.60E-10	3.19E-09
6114	469983.63	3820502.56	8.24E-09	3.46E-08	3.12E-09	4.60E-08	6.87E-09	2.54E-08	2.24E-09	3.45E-08	7.78E-10	4.46E-09	5.32E-10	5.77E-09	7.08E-10	2.33E-09	1.61E-10	3.20E-09
6115	469974.81	3820498.75	8.27E-09	3.47E-08	3.13E-09	4.61E-08	6.89E-09	2.55E-08	2.25E-09	3.47E-08	7.81E-10	4.47E-09	5.34E-10	5.79E-09	7.10E-10	2.34E-09	1.61E-10	3.21E-09
6116	469966	3820494.94	8.29E-09	3.48E-08	3.14E-09	4.63E-08	6.91E-09	2.56E-08	2.25E-09	3.48E-08	7.83E-10	4.48E-09	5.35E-10	5.80E-09	7.12E-10	2.35E-09	1.62E-10	3.22E-09

6117	469957.18	3820491.13	8.31E-09	3.49E-08	3.14E-09	4.64E-08	6.92E-09	2.56E-08	2.26E-09	3.48E-08	7.85E-10	4.49E-09	5.36E-10	5.81E-09	7.14E-10	2.35E-09	1.62E-10	3.23E-09
6118	469948.37	3820487.31	8.32E-09	3.49E-08	3.15E-09	4.64E-08	6.93E-09	2.57E-08	2.26E-09	3.49E-08	7.86E-10	4.50E-09	5.37E-10	5.82E-09	7.14E-10	2.36E-09	1.62E-10	3.23E-09
6119	469939.56	3820483.5	8.32E-09	3.50E-08	3.15E-09	4.64E-08	6.93E-09	2.57E-08	2.26E-09	3.49E-08	7.86E-10	4.50E-09	5.37E-10	5.82E-09	7.15E-10	2.36E-09	1.62E-10	3.23E-09
6120	469930.74	3820479.69	8.32E-09	3.50E-08	3.15E-09	4.64E-08	6.93E-09	2.57E-08	2.26E-09	3.49E-08	7.86E-10	4.50E-09	5.37E-10	5.82E-09	7.14E-10	2.36E-09	1.62E-10	3.23E-09
6121	469921.93	3820475.88	8.32E-09	3.49E-08	3.15E-09	4.64E-08	6.93E-09	2.57E-08	2.26E-09	3.49E-08	7.86E-10	4.50E-09	5.37E-10	5.82E-09	7.14E-10	2.35E-09	1.62E-10	3.23E-09
6122	469913.12	3820472.07	8.31E-09	3.49E-08	3.14E-09	4.63E-08	6.92E-09	2.56E-08	2.26E-09	3.48E-08	7.85E-10	4.49E-09	5.36E-10	5.81E-09	7.13E-10	2.35E-09	1.62E-10	3.23E-09
6123	469904.3	3820468.26	8.29E-09	3.48E-08	3.14E-09	4.63E-08	6.91E-09	2.56E-08	2.25E-09	3.48E-08	7.83E-10	4.48E-09	5.35E-10	5.80E-09	7.12E-10	2.35E-09	1.62E-10	3.22E-09
6124	469895.49	3820464.45	8.27E-09	3.47E-08	3.13E-09	4.62E-08	6.89E-09	2.55E-08	2.25E-09	3.47E-08	7.81E-10	4.47E-09	5.34E-10	5.79E-09	7.10E-10	2.34E-09	1.61E-10	3.21E-09
6125	469886.68	3820460.64	8.25E-09	3.46E-08	3.12E-09	4.60E-08	6.87E-09	2.55E-08	2.24E-09	3.46E-08	7.79E-10	4.46E-09	5.32E-10	5.77E-09	7.08E-10	2.33E-09	1.61E-10	3.20E-09
6126	469877.86	3820456.82	8.22E-09	3.45E-08	3.11E-09	4.58E-08	6.84E-09	2.54E-08	2.23E-09	3.44E-08	7.76E-10	4.44E-09	5.30E-10	5.75E-09	7.05E-10	2.33E-09	1.60E-10	3.19E-09
6127	469869.05	3820453.01	8.18E-09	3.44E-08	3.09E-09	4.56E-08	6.81E-09	2.52E-08	2.22E-09	3.43E-08	7.73E-10	4.42E-09	5.28E-10	5.72E-09	7.02E-10	2.32E-09	1.60E-10	3.18E-09
6128	469860.24	3820449.2	8.15E-09	3.42E-08	3.08E-09	4.54E-08	6.78E-09	2.51E-08	2.21E-09	3.41E-08	7.69E-10	4.40E-09	5.25E-10	5.70E-09	6.99E-10	2.31E-09	1.59E-10	3.16E-09
6129	469851.42	3820445.39	8.10E-09	3.40E-08	3.06E-09	4.52E-08	6.75E-09	2.50E-08	2.20E-09	3.40E-08	7.65E-10	4.38E-09	5.23E-10	5.67E-09	6.96E-10	2.29E-09	1.58E-10	3.15E-09
6130	469842.61	3820441.58	8.06E-09	3.38E-08	3.05E-09	4.50E-08	6.71E-09	2.49E-08	2.19E-09	3.38E-08	7.61E-10	4.36E-09	5.20E-10	5.64E-09	6.92E-10	2.28E-09	1.57E-10	3.13E-09
6131	469833.79	3820437.77	8.01E-09	3.36E-08	3.03E-09	4.47E-08	6.67E-09	2.47E-08	2.17E-09	3.36E-08	7.57E-10	4.33E-09	5.17E-10	5.60E-09	6.88E-10	2.27E-09	1.56E-10	3.11E-09
6132	469824.98	3820433.96	7.96E-09	3.34E-08	3.01E-09	4.44E-08	6.63E-09	2.46E-08	2.16E-09	3.34E-08	7.52E-10	4.30E-09	5.13E-10	5.57E-09	6.83E-10	2.25E-09	1.55E-10	3.09E-09
6133	469816.17	3820430.15	7.91E-09	3.32E-08	2.99E-09	4.41E-08	6.59E-09	2.44E-08	2.15E-09	3.31E-08	7.47E-10	4.27E-09	5.10E-10	5.53E-09	6.79E-10	2.24E-09	1.54E-10	3.07E-09
6134	469807.35	3820426.33	7.85E-09	3.30E-08	2.97E-09	4.38E-08	6.54E-09	2.42E-08	2.13E-09	3.29E-08	7.41E-10	4.24E-09	5.06E-10	5.49E-09	6.74E-10	2.22E-09	1.53E-10	3.05E-09
6135	469798.54	3820422.52	7.79E-09	3.27E-08	2.95E-09	4.34E-08	6.49E-09	2.40E-08	2.11E-09	3.26E-08	7.36E-10	4.21E-09	5.02E-10	5.45E-09	6.69E-10	2.20E-09	1.52E-10	3.03E-09
6136	469789.73	3820418.71	7.73E-09	3.24E-08	2.92E-09	4.31E-08	6.44E-09	2.38E-08	2.10E-09	3.24E-08	7.30E-10	4.18E-09	4.98E-10	5.41E-09	6.63E-10	2.19E-09	1.51E-10	3.00E-09
6137	469780.91	3820414.9	7.66E-09	3.22E-08	2.90E-09	4.27E-08	6.38E-09	2.36E-08	2.08E-09	3.21E-08	7.24E-10	4.14E-09	4.94E-10	5.36E-09	6.58E-10	2.17E-09	1.50E-10	2.98E-09
6138	469772.1	3820411.09	7.60E-09	3.19E-08	2.87E-09	4.24E-08	6.33E-09	2.34E-08	2.06E-09	3.18E-08	7.18E-10	4.11E-09	4.90E-10	5.32E-09	6.52E-10	2.15E-09	1.48E-10	2.95E-09
6139	469763.29	3820407.28	7.53E-09	3.16E-08	2.85E-09	4.20E-08	6.28E-09	2.33E-08	2.05E-09	3.16E-08	7.12E-10	4.07E-09	4.86E-10	5.27E-09	6.47E-10	2.13E-09	1.47E-10	2.93E-09
6140	469754.47	3820403.47	7.47E-09	3.14E-08	2.82E-09	4.17E-08	6.22E-09	2.30E-08	2.03E-09	3.13E-08	7.05E-10	4.04E-09	4.82E-10	5.22E-09	6.41E-10	2.11E-09	1.46E-10	2.90E-09
6141	469745.66	3820399.66	7.40E-09	3.11E-08	2.80E-09	4.13E-08	6.17E-09	2.28E-08	2.01E-09	3.10E-08	6.99E-10	4.00E-09	4.77E-10	5.18E-09	6.35E-10	2.10E-09	1.44E-10	2.87E-09
6142	469736.85	3820395.84	7.33E-09	3.08E-08	2.77E-09	4.09E-08	6.11E-09	2.26E-08	1.99E-09	3.07E-08	6.92E-10	3.96E-09	4.73E-10	5.13E-09	6.30E-10	2.08E-09	1.43E-10	2.85E-09
6143	469728.03	3820392.03	7.27E-09	3.05E-08	2.75E-09	4.05E-08	6.05E-09	2.24E-08	1.97E-09	3.04E-08	6.86E-10	3.93E-09	4.69E-10	5.08E-09	6.24E-10	2.06E-09	1.42E-10	2.82E-09
6144	469719.22	3820388.22	7.20E-09	3.02E-08	2.72E-09	4.01E-08	5.99E-09	2.22E-08	1.95E-09	3.02E-08	6.80E-10	3.89E-09	4.64E-10	5.03E-09	6.18E-10	2.04E-09	1.40E-10	2.80E-09
6145	469710.41	3820384.41	7.13E-09	2.99E-08	2.70E-09	3.98E-08	5.94E-09	2.20E-08	1.94E-09	2.99E-08	6.73E-10	3.85E-09	4.60E-10	4.99E-09	6.12E-10	2.02E-09	1.39E-10	2.77E-09
6146	469701.59	3820380.6	7.06E-09	2.97E-08	2.67E-09	3.94E-08	5.88E-09	2.18E-08	1.92E-09	2.96E-08	6.67E-10	3.82E-09	4.55E-10	4.94E-09	6.06E-10	2.00E-09	1.38E-10	2.74E-09
6147	469613.46	3820342.49	6.43E-09	2.70E-08	2.43E-09	3.59E-08	5.36E-09	1.98E-08	1.75E-09	2.69E-08	6.07E-10	3.48E-09	4.15E-10	4.50E-09	5.52E-10	1.82E-09	1.25E-10	2.50E-09
6148	469604.64	3820338.68	6.37E-09	2.68E-08	2.41E-09	3.55E-08	5.31E-09	1.97E-08	1.73E-09	2.67E-08	6.02E-10	3.44E-09	4.11E-10	4.46E-09	5.47E-10	1.80E-09	1.24E-10	2.47E-09
6149	469595.83	3820334.87	6.31E-09	2.65E-08	2.39E-09	3.52E-08	5.26E-09	1.95E-08	1.71E-09	2.65E-08	5.96E-10	3.41E-09	4.07E-10	4.42E-09	5.42E-10	1.79E-09	1.23E-10	2.45E-09
6150	469587.02	3820331.05	6.26E-09	2.63E-08	2.37E-09	3.49E-08	5.21E-09	1.93E-08	1.70E-09	2.62E-08	5.91E-10	3.38E-09	4.04E-10	4.38E-09	5.37E-10	1.77E-09	1.22E-10	2.43E-09
6151	469578.2	3820327.24	6.20E-09	2.61E-08	2.35E-09	3.46E-08	5.17E-09	1.91E-08	1.68E-09	2.60E-08	5.86E-10	3.35E-09	4.00E-10	4.34E-09	5.33E-10	1.76E-09	1.21E-10	2.41E-09
6152	469569.39	3820323.43	6.15E-09	2.58E-08	2.33E-09	3.43E-08	5.12E-09	1.90E-08	1.67E-09	2.58E-08	5.81E-10	3.32E-09	3.97E-10	4.30E-09	5.28E-10	1.74E-09	1.20E-10	2.39E-09
6153	469560.57	3820319.62	6.10E-09	2.56E-08	2.31E-09	3.40E-08	5.08E-09	1.88E-08	1.66E-09	2.55E-08	5.76E-10	3.30E-09	3.93E-10	4.26E-09	5.23E-10	1.73E-09	1.19E-10	2.37E-09
6154	469551.76	3820315.81	6.04E-09	2.54E-08	2.29E-09	3.37E-08	5.03E-09	1.87E-08	1.64E-09	2.53E-08	5.71E-10	3.27E-09	3.90E-10	4.23E-09	5.19E-10	1.71E-09	1.18E-10	2.35E-09
6155	469542.95	3820312	5.99E-09	2.52E-08	2.27E-09	3.34E-08	4.99E-09	1.85E-08	1.63E-09	2.51E-08	5.66E-10	3.24E-09	3.86E-10	4.19E-09	5.14E-10	1.70E-09	1.17E-10	2.33E-09
6156	469534.13	3820308.19	5.94E-09	2.49E-08	2.25E-09	3.31E-08	4.95E-09	1.83E-08	1.61E-09	2.49E-08	5.61E-10	3.21E-09	3.83E-10	4.16E-09	5.10E-10	1.68E-09	1.16E-10	2.31E-09
6157	469525.32	3820304.38	5.89E-09	2.47E-08	2.23E-09	3.28E-08	4.91E-09	1.82E-08	1.60E-09	2.47E-08	5.56E-10	3.18E-09	3.80E-10	4.12E-09	5.06E-10	1.67E-09	1.15E-10	2.29E-09
6158	469516.51	3820300.56	5.84E-09	2.45E-08	2.21E-09	3.26E-08	4.86E-09	1.80E-08	1.58E-09	2.45E-08	5.51E-10	3.16E-09	3.77E-10	4.08E-09	5.01E-10	1.65E-09	1.14E-10	2.27E-09
6159	469507.69	3820296.75	5.79E-09	2.43E-08	2.19E-09	3.23E-08	4.82E-09	1.79E-08	1.57E-09	2.42E-08	5.46E-10	3.13E-09	3.73E-10	4.05E-09	4.97E-10	1.64E-09	1.13E-10	2.25E-09
6160	469498.88	3820292.94	5.74E-09	2.41E-08	2.17E-09	3.20E-08	4.78E-09	1.77E-08	1.56E-09	2.40E-08	5.42E-10	3.10E-09	3.70E-10	4.01E-09	4.92E-10	1.62E-09	1.12E-10	2.23E-09
6161	469490.07	3820289.13	5.68E-09	2.39E-08	2.15E-09	3.17E-08	4.73E-09	1.75E-08	1.54E-09	2.38E-08	5.37E-10	3.07E-09	3.67E-10	3.98E-09	4.88E-10	1.61E-09	1.11E-10	2.21E-09
6162	469481.25	3820285.32	5.63E-09	2.37E-08	2.13E-09	3.14E-08	4.69E-09	1.74E-08	1.53E-09	2.36E-08	5.32E-10	3.05E-09	3.63E-10	3.94E-09	4.84E-10	1.59E-09	1.10E-10	2.19E-09
6163	469472.44	3820281.51	5.58E-09	2.34E-08	2.11E-09	3.11E-08	4.65E-09	1.72E-08	1.52E-09	2.34E-08	5.27E-10	3.02E-09	3.60E-10	3.91E-09	4.79E-10	1.58E-09	1.09E-10	2.17E-09
6164	469463.63	3820277.7	5.53E-09	2.32E-08	2.09E-09	3.08E-08	4.61E-09	1.71E-08	1.50E-09	2.32E-08	5.22E-10	2.99E-09	3.57E-10	3.87E-09	4.75E-10	1.57E-09	1.08E-10	2.15E-09
6165	469454.81	3820273.89	5.48E-09	2.30E-08	2.07E-09	3.06E-08	4.56E-09	1.69E-08	1.49E-09	2.30E-08	5.17E-10	2.96E-09	3.53E-10	3.83E-09	4.70E-10	1.55E-09	1.07E-10	2.13E-09
6166	469446	3820270.07	5.43E-09	2.28E-08	2.05E-09	3.03E-08	4.52E-09	1.67E-08	1.47E-09	2.27E-08	5.12E-10	2.93E-09	3.50E-10	3.80E-09	4.66E-10	1.54E-09	1.06E-10	2.11E-09
6167	469437.19	3820266.26	5.37E-09	2.26E-08	2.03E-09	3.00E-08	4.47E-09	1.66E-08	1.46E-09	2.25E-08	5.07E-10	2.90E-09	3.46E-10	3.76E-09	4.61E-10	1.52E-09	1.05E-10	2.09E-09

6168	469428.37	3820262.45	5.32E-09	2.23E-08	2.01E-09	2.97E-08	4.43E-09	1.64E-08	1.44E-09	2.23E-08	5.02E-10	2.87E-09	3.43E-10	3.72E-09	4.56E-10	1.51E-09	1.04E-10	2.07E-09
6169	469419.56	3820258.64	5.26E-09	2.21E-08	1.99E-09	2.94E-08	4.38E-09	1.62E-08	1.43E-09	2.21E-08	4.97E-10	2.84E-09	3.39E-10	3.68E-09	4.52E-10	1.49E-09	1.03E-10	2.04E-09
6170	469410.74	3820254.83	5.21E-09	2.19E-08	1.97E-09	2.90E-08	4.34E-09	1.61E-08	1.41E-09	2.18E-08	4.92E-10	2.81E-09	3.36E-10	3.64E-09	4.47E-10	1.47E-09	1.02E-10	2.02E-09
6171	469401.93	3820251.02	5.15E-09	2.16E-08	1.95E-09	2.87E-08	4.29E-09	1.59E-08	1.40E-09	2.16E-08	4.86E-10	2.78E-09	3.32E-10	3.60E-09	4.42E-10	1.46E-09	1.00E-10	2.00E-09
6172	469393.12	3820247.21	5.09E-09	2.14E-08	1.93E-09	2.84E-08	4.24E-09	1.57E-08	1.38E-09	2.13E-08	4.81E-10	2.75E-09	3.29E-10	3.56E-09	4.37E-10	1.44E-09	9.94E-11	1.98E-09
6173	469384.3	3820243.4	5.03E-09	2.11E-08	1.90E-09	2.81E-08	4.19E-09	1.55E-08	1.37E-09	2.11E-08	4.75E-10	2.72E-09	3.25E-10	3.52E-09	4.32E-10	1.43E-09	9.82E-11	1.96E-09
6174	469375.49	3820239.58	4.98E-09	2.09E-08	1.88E-09	2.78E-08	4.14E-09	1.54E-08	1.35E-09	2.09E-08	4.70E-10	2.69E-09	3.21E-10	3.48E-09	4.27E-10	1.41E-09	9.71E-11	1.93E-09
6175	469366.68	3820235.77	4.92E-09	2.07E-08	1.86E-09	2.74E-08	4.10E-09	1.52E-08	1.33E-09	2.06E-08	4.64E-10	2.66E-09	3.17E-10	3.44E-09	4.22E-10	1.39E-09	9.60E-11	1.91E-09
6176	469357.86	3820231.96	4.86E-09	2.04E-08	1.84E-09	2.71E-08	4.05E-09	1.50E-08	1.32E-09	2.04E-08	4.59E-10	2.63E-09	3.13E-10	3.40E-09	4.17E-10	1.37E-09	9.48E-11	1.89E-09
6177	469349.05	3820228.15	4.80E-09	2.01E-08	1.81E-09	2.68E-08	4.00E-09	1.48E-08	1.30E-09	2.01E-08	4.53E-10	2.59E-09	3.09E-10	3.36E-09	4.12E-10	1.36E-09	9.36E-11	1.86E-09
6178	469340.24	3820224.34	4.73E-09	1.99E-08	1.79E-09	2.64E-08	3.94E-09	1.46E-08	1.29E-09	1.98E-08	4.47E-10	2.56E-09	3.05E-10	3.31E-09	4.06E-10	1.34E-09	9.24E-11	1.84E-09
6179	469331.42	3820220.53	4.67E-09	1.96E-08	1.77E-09	2.61E-08	3.89E-09	1.44E-08	1.27E-09	1.96E-08	4.41E-10	2.53E-09	3.01E-10	3.27E-09	4.01E-10	1.32E-09	9.12E-11	1.81E-09
6180	469322.61	3820216.72	4.61E-09	1.94E-08	1.74E-09	2.57E-08	3.84E-09	1.42E-08	1.25E-09	1.93E-08	4.35E-10	2.49E-09	2.97E-10	3.22E-09	3.96E-10	1.30E-09	9.00E-11	1.79E-09
6181	469310.29	3820203.97	4.53E-09	1.90E-08	1.71E-09	2.53E-08	3.77E-09	1.40E-08	1.23E-09	1.90E-08	4.28E-10	2.45E-09	2.92E-10	3.17E-09	3.89E-10	1.28E-09	8.84E-11	1.76E-09
6182	469306.78	3820195.03	4.51E-09	1.89E-08	1.71E-09	2.52E-08	3.76E-09	1.39E-08	1.22E-09	1.89E-08	4.26E-10	2.44E-09	2.91E-10	3.16E-09	3.87E-10	1.28E-09	8.80E-11	1.75E-09
6183	469303.27	3820186.09	4.49E-09	1.89E-08	1.70E-09	2.51E-08	3.74E-09	1.39E-08	1.22E-09	1.88E-08	4.24E-10	2.43E-09	2.90E-10	3.14E-09	3.86E-10	1.27E-09	8.76E-11	1.74E-09
6184	469299.76	3820177.16	4.47E-09	1.88E-08	1.69E-09	2.49E-08	3.72E-09	1.38E-08	1.21E-09	1.87E-08	4.22E-10	2.42E-09	2.88E-10	3.13E-09	3.84E-10	1.26E-09	8.72E-11	1.74E-09
6185	469296.25	3820168.22	4.44E-09	1.87E-08	1.68E-09	2.48E-08	3.70E-09	1.37E-08	1.21E-09	1.86E-08	4.20E-10	2.40E-09	2.87E-10	3.11E-09	3.82E-10	1.26E-09	8.67E-11	1.73E-09
6186	469292.74	3820159.28	4.42E-09	1.86E-08	1.67E-09	2.46E-08	3.68E-09	1.36E-08	1.20E-09	1.85E-08	4.17E-10	2.39E-09	2.85E-10	3.09E-09	3.79E-10	1.25E-09	8.62E-11	1.72E-09
6187	469271.68	3820105.65	4.22E-09	1.77E-08	1.60E-09	2.36E-08	3.52E-09	1.30E-08	1.15E-09	1.77E-08	3.99E-10	2.28E-09	2.72E-10	2.95E-09	3.63E-10	1.20E-09	8.24E-11	1.64E-09
6188	469268.17	3820096.71	4.18E-09	1.76E-08	1.58E-09	2.33E-08	3.48E-09	1.29E-08	1.14E-09	1.75E-08	3.95E-10	2.26E-09	2.70E-10	2.93E-09	3.59E-10	1.18E-09	8.16E-11	1.63E-09
6189	469264.66	3820087.78	4.14E-09	1.74E-08	1.57E-09	2.31E-08	3.45E-09	1.28E-08	1.12E-09	1.74E-08	3.91E-10	2.24E-09	2.67E-10	2.90E-09	3.56E-10	1.17E-09	8.08E-11	1.61E-09
6190	469261.15	3820078.84	4.10E-09	1.72E-08	1.55E-09	2.29E-08	3.42E-09	1.27E-08	1.11E-09	1.72E-08	3.87E-10	2.22E-09	2.64E-10	2.87E-09	3.52E-10	1.16E-09	8.00E-11	1.59E-09
6191	469257.64	3820069.9	4.06E-09	1.70E-08	1.53E-09	2.26E-08	3.38E-09	1.25E-08	1.10E-09	1.70E-08	3.83E-10	2.19E-09	2.62E-10	2.84E-09	3.48E-10	1.15E-09	7.91E-11	1.58E-09
6192	469254.13	3820060.96	4.01E-09	1.68E-08	1.52E-09	2.24E-08	3.34E-09	1.24E-08	1.09E-09	1.68E-08	3.79E-10	2.17E-09	2.59E-10	2.80E-09	3.44E-10	1.13E-09	7.82E-11	1.56E-09
6193	469250.62	3820052.03	3.96E-09	1.66E-08	1.50E-09	2.21E-08	3.30E-09	1.22E-08	1.08E-09	1.66E-08	3.74E-10	2.14E-09	2.56E-10	2.77E-09	3.40E-10	1.12E-09	7.73E-11	1.54E-09
6194	469247.11	3820043.09	3.91E-09	1.64E-08	1.48E-09	2.18E-08	3.26E-09	1.21E-08	1.06E-09	1.64E-08	3.69E-10	2.11E-09	2.52E-10	2.74E-09	3.36E-10	1.11E-09	7.63E-11	1.52E-09
6195	469243.6	3820034.15	3.86E-09	1.62E-08	1.46E-09	2.15E-08	3.22E-09	1.19E-08	1.05E-09	1.62E-08	3.65E-10	2.09E-09	2.49E-10	2.70E-09	3.31E-10	1.09E-09	7.53E-11	1.50E-09
6196	469145.32	3819783.89	2.14E-09	8.99E-09	8.09E-10	1.19E-08	1.78E-09	6.60E-09	5.81E-10	8.97E-09	2.02E-10	1.16E-09	1.38E-10	1.50E-09	1.84E-10	6.06E-10	4.18E-11	8.31E-10
6197	469141.81	3819774.95	2.08E-09	8.74E-09	7.87E-10	1.16E-08	1.73E-09	6.42E-09	5.65E-10	8.72E-09	1.97E-10	1.13E-09	1.34E-10	1.46E-09	1.79E-10	5.89E-10	4.06E-11	8.09E-10
6198	469138.3	3819766.02	2.02E-09	8.50E-09	7.65E-10	1.13E-08	1.69E-09	6.25E-09	5.49E-10	8.48E-09	1.91E-10	1.09E-09	1.31E-10	1.42E-09	1.74E-10	5.73E-10	3.95E-11	7.86E-10
6199	469134.79	3819757.08	1.97E-09	8.26E-09	7.44E-10	1.10E-08	1.64E-09	6.07E-09	5.34E-10	8.24E-09	1.86E-10	1.06E-09	1.27E-10	1.38E-09	1.69E-10	5.57E-10	3.84E-11	7.64E-10
6200	469131.28	3819748.14	1.91E-09	8.03E-09	7.23E-10	1.07E-08	1.59E-09	5.90E-09	5.19E-10	8.01E-09	1.81E-10	1.03E-09	1.23E-10	1.34E-09	1.64E-10	5.41E-10	3.73E-11	7.42E-10
6201	469127.77	3819739.2	1.86E-09	7.80E-09	7.02E-10	1.04E-08	1.55E-09	5.73E-09	5.04E-10	7.78E-09	1.75E-10	1.00E-09	1.20E-10	1.30E-09	1.59E-10	5.26E-10	3.62E-11	7.21E-10
6202	469124.26	3819730.26	1.80E-09	7.58E-09	6.82E-10	1.01E-08	1.50E-09	5.57E-09	4.90E-10	7.56E-09	1.70E-10	9.75E-10	1.16E-10	1.26E-09	1.55E-10	5.11E-10	3.52E-11	7.01E-10
6203	469120.75	3819721.33	1.75E-09	7.36E-09	6.63E-10	9.77E-09	1.46E-09	5.41E-09	4.76E-10	7.34E-09	1.65E-10	9.47E-10	1.13E-10	1.23E-09	1.50E-10	4.96E-10	3.42E-11	6.81E-10
6204	469117.24	3819712.39	1.70E-09	7.14E-09	6.43E-10	9.49E-09	1.42E-09	5.25E-09	4.62E-10	7.13E-09	1.61E-10	9.19E-10	1.10E-10	1.19E-09	1.46E-10	4.81E-10	3.32E-11	6.61E-10
6205	469113.73	3819703.45	1.65E-09	6.93E-09	6.24E-10	9.21E-09	1.38E-09	5.09E-09	4.48E-10	6.92E-09	1.56E-10	8.92E-10	1.06E-10	1.15E-09	1.42E-10	4.67E-10	3.22E-11	6.41E-10
6206	469110.22	3819694.51	1.60E-09	6.72E-09	6.06E-10	8.93E-09	1.33E-09	4.94E-09	4.35E-10	6.71E-09	1.51E-10	8.66E-10	1.03E-10	1.12E-09	1.37E-10	4.53E-10	3.12E-11	6.22E-10
6207	469106.71	3819685.58	1.55E-09	6.52E-09	5.87E-10	8.66E-09	1.29E-09	4.79E-09	4.22E-10	6.51E-09	1.47E-10	8.40E-10	1.00E-10	1.09E-09	1.33E-10	4.40E-10	3.03E-11	6.03E-10
6208	469103.2	3819676.64	1.51E-09	6.33E-09	5.70E-10	8.41E-09	1.26E-09	4.65E-09	4.09E-10	6.32E-09	1.42E-10	8.15E-10	9.72E-11	1.05E-09	1.29E-10	4.27E-10	2.94E-11	5.85E-10
6209	469099.69	3819667.7	1.46E-09	6.15E-09	5.53E-10	8.16E-09	1.22E-09	4.52E-09	3.97E-10	6.13E-09	1.38E-10	7.91E-10	9.44E-11	1.02E-09	1.26E-10	4.14E-10	2.86E-11	5.68E-10
6210	469096.18	3819658.76	1.42E-09	5.97E-09	5.37E-10	7.93E-09	1.18E-09	4.38E-09	3.86E-10	5.95E-09	1.34E-10	7.68E-10	9.16E-11	9.94E-10	1.22E-10	4.02E-10	2.77E-11	5.52E-10
6211	469092.67	3819649.82	1.38E-09	5.79E-09	5.22E-10	7.70E-09	1.15E-09	4.26E-09	3.75E-10	5.78E-09	1.30E-10	7.46E-10	8.90E-11	9.65E-10	1.18E-10	3.91E-10	2.69E-11	5.36E-10
6212	469089.16	3819640.89	1.34E-09	5.63E-09	5.07E-10	7.47E-09	1.12E-09	4.13E-09	3.64E-10	5.61E-09	1.27E-10	7.24E-10	8.64E-11	9.37E-10	1.15E-10	3.79E-10	2.61E-11	5.20E-10
6213	469085.65	3819631.95	1.30E-09	5.47E-09	4.92E-10	7.26E-09	1.08E-09	4.02E-09	3.53E-10	5.45E-09	1.23E-10	7.04E-10	8.40E-11	9.10E-10	1.12E-10	3.68E-10	2.54E-11	5.06E-10
6214	469082.14	3819623.01	1.27E-09	5.31E-09	4.78E-10	7.06E-09	1.05E-09	3.90E-09	3.43E-10	5.30E-09	1.19E-10	6.84E-10	8.16E-11	8.85E-10	1.09E-10	3.58E-10	2.47E-11	4.91E-10
6215	469078.63	3819614.07	1.23E-09	5.16E-09	4.65E-10	6.86E-09	1.02E-09	3.79E-09	3.34E-10	5.15E-09	1.16E-10	6.65E-10	7.93E-11	8.60E-10	1.06E-10	3.48E-10	2.40E-11	4.78E-10
6216	469075.12	3819605.14	1.20E-09	5.02E-09	4.52E-10	6.67E-09	9.96E-10	3.69E-09	3.24E-10	5.01E-09	1.13E-10	6.46E-10	7.71E-11	8.36E-10	1.03E-10	3.38E-10	2.33E-11	4.64E-10
6217	469071.61	3819596.2	1.16E-09	4.88E-09	4.40E-10	6.48E-09	9.68E-10	3.59E-09	3.16E-10	4.87E-09	1.10E-10	6.28E-10	7.50E-11	8.13E-10	9.98E-11	3.29E-10	2.27E-11	4.51E-10
6218	469068.1	3819587.26	1.13E-09	4.75E-09	4.28E-10	6.31E-09	9.42E-10	3.49E-09	3.07E-10	4.74E-09	1.07E-10	6.11E-10	7.29E-11	7.91E-10	9.71E-11	3.20E-10	2.21E-11	4.39E-10

6219	469064.59	3819578.32	1.10E-09	4.62E-09	4.16E-10	6.14E-09	9.17E-10	3.40E-09	2.99E-10	4.61E-09	1.04E-10	5.95E-10	7.10E-11	7.70E-10	9.45E-11	3.12E-10	2.15E-11	4.27E-10
6220	469061.08	3819569.38	1.07E-09	4.50E-09	4.05E-10	5.98E-09	8.93E-10	3.31E-09	2.91E-10	4.49E-09	1.01E-10	5.79E-10	6.91E-11	7.50E-10	9.20E-11	3.03E-10	2.09E-11	4.16E-10
6221	469057.57	3819560.45	1.04E-09	4.38E-09	3.95E-10	5.82E-09	8.69E-10	3.22E-09	2.83E-10	4.37E-09	9.85E-11	5.64E-10	6.73E-11	7.30E-10	8.96E-11	2.95E-10	2.04E-11	4.05E-10
6222	469054.06	3819551.51	1.02E-09	4.27E-09	3.84E-10	5.67E-09	8.46E-10	3.14E-09	2.76E-10	4.26E-09	9.60E-11	5.49E-10	6.55E-11	7.11E-10	8.72E-11	2.88E-10	1.98E-11	3.95E-10
6223	469050.55	3819542.57	9.90E-10	4.16E-09	3.74E-10	5.52E-09	8.25E-10	3.06E-09	2.69E-10	4.15E-09	9.35E-11	5.35E-10	6.39E-11	6.93E-10	8.50E-11	2.80E-10	1.93E-11	3.85E-10
6224	469047.04	3819533.63	9.65E-10	4.05E-09	3.65E-10	5.38E-09	8.04E-10	2.98E-09	2.62E-10	4.05E-09	9.12E-11	5.22E-10	6.23E-11	6.75E-10	8.29E-11	2.73E-10	1.88E-11	3.75E-10
6225	469043.53	3819524.7	9.42E-10	3.96E-09	3.56E-10	5.25E-09	7.85E-10	2.91E-09	2.56E-10	3.95E-09	8.90E-11	5.09E-10	6.08E-11	6.59E-10	8.09E-11	2.67E-10	1.84E-11	3.66E-10
6226	469040.02	3819515.76	9.19E-10	3.86E-09	3.47E-10	5.12E-09	7.65E-10	2.83E-09	2.49E-10	3.85E-09	8.68E-11	4.97E-10	5.93E-11	6.43E-10	7.89E-11	2.60E-10	1.79E-11	3.57E-10
6227	469036.51	3819506.82	8.97E-10	3.77E-09	3.39E-10	5.00E-09	7.47E-10	2.77E-09	2.43E-10	3.76E-09	8.47E-11	4.85E-10	5.78E-11	6.27E-10	7.70E-11	2.54E-10	1.75E-11	3.48E-10
6228	469033	3819497.88	8.76E-10	3.68E-09	3.31E-10	4.89E-09	7.30E-10	2.70E-09	2.38E-10	3.67E-09	8.27E-11	4.74E-10	5.65E-11	6.13E-10	7.52E-11	2.48E-10	1.71E-11	3.40E-10
6229	469029.49	3819488.94	8.56E-10	3.60E-09	3.24E-10	4.78E-09	7.13E-10	2.64E-09	2.32E-10	3.59E-09	8.09E-11	4.63E-10	5.52E-11	5.99E-10	7.35E-11	2.42E-10	1.67E-11	3.33E-10
6230	469025.98	3819480.01	8.38E-10	3.52E-09	3.17E-10	4.67E-09	6.98E-10	2.59E-09	2.27E-10	3.51E-09	7.91E-11	4.53E-10	5.40E-11	5.86E-10	7.19E-11	2.37E-10	1.63E-11	3.25E-10
6231	469022.47	3819471.07	8.19E-10	3.44E-09	3.10E-10	4.57E-09	6.82E-10	2.53E-09	2.22E-10	3.43E-09	7.74E-11	4.43E-10	5.28E-11	5.73E-10	7.03E-11	2.32E-10	1.60E-11	3.18E-10
6232	469018.96	3819462.13	8.01E-10	3.37E-09	3.03E-10	4.47E-09	6.67E-10	2.47E-09	2.18E-10	3.36E-09	7.57E-11	4.33E-10	5.17E-11	5.61E-10	6.88E-11	2.27E-10	1.56E-11	3.11E-10
6233	469015.45	3819453.19	7.84E-10	3.29E-09	2.97E-10	4.37E-09	6.53E-10	2.42E-09	2.13E-10	3.29E-09	7.41E-11	4.24E-10	5.06E-11	5.49E-10	6.73E-11	2.22E-10	1.53E-11	3.05E-10
6234	469011.94	3819444.26	7.68E-10	3.22E-09	2.90E-10	4.28E-09	6.39E-10	2.37E-09	2.08E-10	3.22E-09	7.25E-11	4.15E-10	4.95E-11	5.37E-10	6.59E-11	2.17E-10	1.50E-11	2.98E-10
6235	469008.43	3819435.32	7.52E-10	3.16E-09	2.84E-10	4.19E-09	6.26E-10	2.32E-09	2.04E-10	3.15E-09	7.10E-11	4.07E-10	4.85E-11	5.26E-10	6.46E-11	2.13E-10	1.47E-11	2.92E-10
6236	470089.39	3820548.29	7.57E-09	3.18E-08	2.86E-09	4.22E-08	6.30E-09	2.33E-08	2.05E-09	3.17E-08	7.14E-10	4.09E-09	4.88E-10	5.29E-09	6.49E-10	2.14E-09	1.48E-10	2.94E-09
6237	470099.09	3820548.43	7.52E-09	3.16E-08	2.85E-09	4.20E-08	6.27E-09	2.32E-08	2.04E-09	3.15E-08	7.11E-10	4.07E-09	4.85E-10	5.26E-09	6.46E-10	2.13E-09	1.47E-10	2.92E-09
6238	470108.78	3820548.56	7.48E-09	3.14E-08	2.83E-09	4.17E-08	6.23E-09	2.31E-08	2.03E-09	3.13E-08	7.06E-10	4.04E-09	4.82E-10	5.23E-09	6.42E-10	2.12E-09	1.46E-10	2.91E-09
6239	470118.48	3820548.7	7.43E-09	3.12E-08	2.81E-09	4.14E-08	6.19E-09	2.29E-08	2.02E-09	3.11E-08	7.02E-10	4.02E-09	4.79E-10	5.20E-09	6.38E-10	2.10E-09	1.45E-10	2.89E-09
6240	470128.18	3820548.83	7.38E-09	3.10E-08	2.79E-09	4.12E-08	6.15E-09	2.28E-08	2.00E-09	3.09E-08	6.97E-10	3.99E-09	4.76E-10	5.16E-09	6.34E-10	2.09E-09	1.44E-10	2.87E-09
6241	470137.87	3820548.97	7.33E-09	3.08E-08	2.77E-09	4.09E-08	6.10E-09	2.26E-08	1.99E-09	3.07E-08	6.92E-10	3.96E-09	4.72E-10	5.12E-09	6.29E-10	2.07E-09	1.43E-10	2.85E-09
6242	470147.57	3820549.1	7.27E-09	3.05E-08	2.75E-09	4.05E-08	6.05E-09	2.24E-08	1.97E-09	3.05E-08	6.86E-10	3.93E-09	4.69E-10	5.08E-09	6.24E-10	2.06E-09	1.42E-10	2.82E-09
6243	470157.27	3820549.24	7.21E-09	3.03E-08	2.73E-09	4.02E-08	6.01E-09	2.22E-08	1.96E-09	3.02E-08	6.81E-10	3.90E-09	4.65E-10	5.04E-09	6.19E-10	2.04E-09	1.41E-10	2.80E-09
6244	470166.97	3820549.37	7.15E-09	3.00E-08	2.70E-09	3.99E-08	5.95E-09	2.21E-08	1.94E-09	3.00E-08	6.75E-10	3.86E-09	4.61E-10	5.00E-09	6.14E-10	2.02E-09	1.39E-10	2.78E-09
6245	470176.66	3820549.51	7.09E-09	2.98E-08	2.68E-09	3.95E-08	5.90E-09	2.19E-08	1.92E-09	2.97E-08	6.69E-10	3.83E-09	4.57E-10	4.96E-09	6.08E-10	2.01E-09	1.38E-10	2.75E-09
6246	470186.36	3820549.64	7.02E-09	2.95E-08	2.66E-09	3.92E-08	5.85E-09	2.17E-08	1.91E-09	2.94E-08	6.63E-10	3.80E-09	4.53E-10	4.91E-09	6.03E-10	1.99E-09	1.37E-10	2.73E-09
6247	470196.06	3820549.78	6.96E-09	2.92E-08	2.63E-09	3.88E-08	5.80E-09	2.15E-08	1.89E-09	2.92E-08	6.57E-10	3.76E-09	4.49E-10	4.87E-09	5.98E-10	1.97E-09	1.36E-10	2.70E-09
6248	470205.75	3820549.91	6.90E-09	2.90E-08	2.61E-09	3.85E-08	5.74E-09	2.13E-08	1.87E-09	2.89E-08	6.51E-10	3.73E-09	4.45E-10	4.82E-09	5.92E-10	1.95E-09	1.35E-10	2.68E-09
6249	470215.45	3820550.05	6.83E-09	2.87E-08	2.58E-09	3.81E-08	5.69E-09	2.11E-08	1.85E-09	2.86E-08	6.45E-10	3.69E-09	4.41E-10	4.78E-09	5.86E-10	1.93E-09	1.33E-10	2.65E-09
6250	470225.15	3820550.18	6.77E-09	2.84E-08	2.56E-09	3.77E-08	5.64E-09	2.09E-08	1.84E-09	2.84E-08	6.39E-10	3.66E-09	4.36E-10	4.73E-09	5.81E-10	1.92E-09	1.32E-10	2.63E-09
6251	470234.85	3820550.32	6.70E-09	2.81E-08	2.53E-09	3.74E-08	5.58E-09	2.07E-08	1.82E-09	2.81E-08	6.33E-10	3.62E-09	4.32E-10	4.69E-09	5.75E-10	1.90E-09	1.31E-10	2.60E-09
6252	470244.54	3820550.45	6.64E-09	2.79E-08	2.51E-09	3.70E-08	5.53E-09	2.05E-08	1.80E-09	2.78E-08	6.27E-10	3.59E-09	4.28E-10	4.64E-09	5.70E-10	1.88E-09	1.30E-10	2.58E-09
6253	470254.24	3820550.59	6.58E-09	2.76E-08	2.49E-09	3.67E-08	5.48E-09	2.03E-08	1.79E-09	2.76E-08	6.21E-10	3.55E-09	4.24E-10	4.60E-09	5.64E-10	1.86E-09	1.28E-10	2.55E-09
6254	470263.94	3820550.72	6.51E-09	2.74E-08	2.46E-09	3.63E-08	5.43E-09	2.01E-08	1.77E-09	2.73E-08	6.15E-10	3.52E-09	4.20E-10	4.56E-09	5.59E-10	1.84E-09	1.27E-10	2.53E-09
6255	470079.42	3820624.46	6.81E-09	2.86E-08	2.58E-09	3.80E-08	5.67E-09	2.10E-08	1.85E-09	2.85E-08	6.43E-10	3.68E-09	4.39E-10	4.76E-09	5.85E-10	1.93E-09	1.33E-10	2.65E-09
6256	470070.57	3820620.63	6.88E-09	2.89E-08	2.60E-09	3.84E-08	5.73E-09	2.12E-08	1.87E-09	2.88E-08	6.49E-10	3.72E-09	4.44E-10	4.81E-09	5.90E-10	1.95E-09	1.34E-10	2.67E-09
6257	470061.72	3820616.8	6.94E-09	2.91E-08	2.62E-09	3.87E-08	5.78E-09	2.14E-08	1.88E-09	2.91E-08	6.55E-10	3.75E-09	4.48E-10	4.85E-09	5.96E-10	1.96E-09	1.35E-10	2.70E-09
6258	470052.87	3820612.98	7.00E-09	2.94E-08	2.65E-09	3.90E-08	5.83E-09	2.16E-08	1.90E-09	2.93E-08	6.61E-10	3.78E-09	4.52E-10	4.90E-09	6.01E-10	1.98E-09	1.37E-10	2.72E-09
6259	470044.02	3820609.15	7.06E-09	2.96E-08	2.67E-09	3.94E-08	5.88E-09	2.18E-08	1.92E-09	2.96E-08	6.66E-10	3.82E-09	4.55E-10	4.94E-09	6.06E-10	2.00E-09	1.38E-10	2.74E-09
6260	470035.17	3820605.32	7.11E-09	2.99E-08	2.69E-09	3.97E-08	5.92E-09	2.19E-08	1.93E-09	2.98E-08	6.72E-10	3.84E-09	4.59E-10	4.98E-09	6.11E-10	2.01E-09	1.39E-10	2.76E-09
6261	470026.32	3820601.49	7.16E-09	3.01E-08	2.71E-09	4.00E-08	5.97E-09	2.21E-08	1.94E-09	3.00E-08	6.76E-10	3.87E-09	4.62E-10	5.01E-09	6.15E-10	2.03E-09	1.40E-10	2.78E-09
6262	470017.47	3820597.67	7.21E-09	3.03E-08	2.73E-09	4.02E-08	6.01E-09	2.23E-08	1.96E-09	3.02E-08	6.81E-10	3.90E-09	4.65E-10	5.04E-09	6.19E-10	2.04E-09	1.41E-10	2.80E-09
6263	470008.61	3820593.84	7.26E-09	3.05E-08	2.74E-09	4.05E-08	6.05E-09	2.24E-08	1.97E-09	3.04E-08	6.85E-10	3.92E-09	4.68E-10	5.08E-09	6.23E-10	2.05E-09	1.42E-10	2.82E-09
6264	469999.76	3820590.01	7.30E-09	3.07E-08	2.76E-09	4.07E-08	6.08E-09	2.25E-08	1.98E-09	3.06E-08	6.89E-10	3.95E-09	4.71E-10	5.11E-09	6.27E-10	2.07E-09	1.42E-10	2.84E-09
6265	469990.91	3820586.18	7.34E-09	3.08E-08	2.78E-09	4.09E-08	6.11E-09	2.26E-08	1.99E-09	3.08E-08	6.93E-10	3.97E-09	4.73E-10	5.13E-09	6.30E-10	2.08E-09	1.43E-10	2.85E-09
6266	469982.06	3820582.36	7.37E-09	3.10E-08	2.79E-09	4.11E-08	6.14E-09	2.27E-08	2.00E-09	3.09E-08	6.96E-10	3.99E-09	4.76E-10	5.16E-09	6.33E-10	2.09E-09	1.44E-10	2.86E-09
6267	469973.21	3820578.53	7.40E-09	3.11E-08	2.80E-09	4.13E-08	6.17E-09	2.28E-08	2.01E-09	3.10E-08	6.99E-10	4.00E-09	4.77E-10	5.18E-09	6.35E-10	2.10E-09	1.44E-10	2.88E-09
6268	469964.36	3820574.7	7.43E-09	3.12E-08	2.81E-09	4.14E-08	6.19E-09	2.29E-08	2.02E-09	3.11E-08	7.01E-10	4.02E-09	4.79E-10	5.20E-09	6.38E-10	2.10E-09	1.45E-10	2.89E-09
6269	469955.51	3820570.87	7.45E-09	3.13E-08	2.82E-09	4.15E-08	6.20E-09	2.30E-08	2.02E-09	3.12E-08	7.03E-10	4.03E-09	4.80E-10	5.21E-09	6.39E-10	2.11E-09	1.45E-10	2.89E-09

6270	469946.66	3820567.05	7.46E-09	3.13E-08	2.82E-09	4.16E-08	6.22E-09	2.30E-08	2.03E-09	3.13E-08	7.05E-10	4.04E-09	4.81E-10	5.22E-09	6.41E-10	2.11E-09	1.46E-10	2.90E-09
6271	469937.81	3820563.22	7.48E-09	3.14E-08	2.83E-09	4.17E-08	6.23E-09	2.31E-08	2.03E-09	3.13E-08	7.06E-10	4.04E-09	4.82E-10	5.23E-09	6.42E-10	2.12E-09	1.46E-10	2.90E-09
6272	469928.96	3820559.39	7.48E-09	3.14E-08	2.83E-09	4.17E-08	6.23E-09	2.31E-08	2.03E-09	3.14E-08	7.07E-10	4.05E-09	4.83E-10	5.24E-09	6.42E-10	2.12E-09	1.46E-10	2.91E-09
6273	469920.1	3820555.56	7.49E-09	3.14E-08	2.83E-09	4.18E-08	6.24E-09	2.31E-08	2.03E-09	3.14E-08	7.07E-10	4.05E-09	4.83E-10	5.24E-09	6.43E-10	2.12E-09	1.46E-10	2.91E-09
6274	469911.25	3820551.74	7.49E-09	3.14E-08	2.83E-09	4.18E-08	6.23E-09	2.31E-08	2.03E-09	3.14E-08	7.07E-10	4.05E-09	4.83E-10	5.24E-09	6.43E-10	2.12E-09	1.46E-10	2.91E-09
6275	469902.4	3820547.91	7.48E-09	3.14E-08	2.83E-09	4.17E-08	6.23E-09	2.31E-08	2.03E-09	3.13E-08	7.06E-10	4.04E-09	4.82E-10	5.23E-09	6.42E-10	2.12E-09	1.46E-10	2.91E-09
6276	469893.55	3820544.08	7.47E-09	3.14E-08	2.82E-09	4.17E-08	6.22E-09	2.30E-08	2.03E-09	3.13E-08	7.05E-10	4.04E-09	4.82E-10	5.22E-09	6.41E-10	2.11E-09	1.46E-10	2.90E-09
6277	469884.7	3820540.25	7.45E-09	3.13E-08	2.82E-09	4.16E-08	6.21E-09	2.30E-08	2.02E-09	3.12E-08	7.04E-10	4.03E-09	4.81E-10	5.21E-09	6.40E-10	2.11E-09	1.45E-10	2.89E-09
6278	469875.85	3820536.43	7.43E-09	3.12E-08	2.81E-09	4.15E-08	6.19E-09	2.29E-08	2.02E-09	3.11E-08	7.02E-10	4.02E-09	4.79E-10	5.20E-09	6.38E-10	2.10E-09	1.45E-10	2.89E-09
6279	469867	3820532.6	7.41E-09	3.11E-08	2.80E-09	4.13E-08	6.17E-09	2.29E-08	2.01E-09	3.10E-08	7.00E-10	4.01E-09	4.78E-10	5.18E-09	6.36E-10	2.10E-09	1.45E-10	2.88E-09
6280	469858.15	3820528.77	7.38E-09	3.10E-08	2.79E-09	4.12E-08	6.15E-09	2.28E-08	2.00E-09	3.09E-08	6.97E-10	3.99E-09	4.76E-10	5.16E-09	6.34E-10	2.09E-09	1.44E-10	2.87E-09
6281	469849.3	3820524.94	7.35E-09	3.09E-08	2.78E-09	4.10E-08	6.12E-09	2.27E-08	2.00E-09	3.08E-08	6.94E-10	3.97E-09	4.74E-10	5.14E-09	6.31E-10	2.08E-09	1.43E-10	2.86E-09
6282	469840.44	3820521.12	7.32E-09	3.07E-08	2.77E-09	4.08E-08	6.09E-09	2.26E-08	1.99E-09	3.07E-08	6.91E-10	3.96E-09	4.72E-10	5.12E-09	6.28E-10	2.07E-09	1.43E-10	2.84E-09
6283	469831.59	3820517.29	7.28E-09	3.06E-08	2.75E-09	4.06E-08	6.06E-09	2.25E-08	1.98E-09	3.05E-08	6.88E-10	3.94E-09	4.70E-10	5.09E-09	6.25E-10	2.06E-09	1.42E-10	2.83E-09
6284	469822.74	3820513.46	7.24E-09	3.04E-08	2.74E-09	4.04E-08	6.03E-09	2.23E-08	1.97E-09	3.03E-08	6.84E-10	3.91E-09	4.67E-10	5.07E-09	6.22E-10	2.05E-09	1.41E-10	2.81E-09
6285	469813.89	3820509.64	7.20E-09	3.02E-08	2.72E-09	4.01E-08	6.00E-09	2.22E-08	1.95E-09	3.02E-08	6.80E-10	3.89E-09	4.64E-10	5.04E-09	6.18E-10	2.04E-09	1.40E-10	2.80E-09
6286	469805.04	3820505.81	7.15E-09	3.00E-08	2.71E-09	3.99E-08	5.96E-09	2.21E-08	1.94E-09	3.00E-08	6.75E-10	3.87E-09	4.61E-10	5.00E-09	6.14E-10	2.02E-09	1.40E-10	2.78E-09
6287	469796.19	3820501.98	7.10E-09	2.98E-08	2.69E-09	3.96E-08	5.92E-09	2.19E-08	1.93E-09	2.98E-08	6.71E-10	3.84E-09	4.58E-10	4.97E-09	6.10E-10	2.01E-09	1.39E-10	2.76E-09
6288	469787.34	3820498.15	7.05E-09	2.96E-08	2.67E-09	3.93E-08	5.88E-09	2.18E-08	1.91E-09	2.96E-08	6.66E-10	3.81E-09	4.55E-10	4.93E-09	6.06E-10	2.00E-09	1.38E-10	2.74E-09
6289	469778.49	3820494.33	7.00E-09	2.94E-08	2.65E-09	3.91E-08	5.83E-09	2.16E-08	1.90E-09	2.93E-08	6.61E-10	3.79E-09	4.52E-10	4.90E-09	6.01E-10	1.98E-09	1.37E-10	2.72E-09
6290	469769.64	3820490.5	6.95E-09	2.92E-08	2.63E-09	3.88E-08	5.79E-09	2.14E-08	1.89E-09	2.91E-08	6.56E-10	3.76E-09	4.48E-10	4.86E-09	5.96E-10	1.97E-09	1.36E-10	2.70E-09
6291	469760.79	3820486.67	6.89E-09	2.89E-08	2.61E-09	3.84E-08	5.74E-09	2.13E-08	1.87E-09	2.89E-08	6.51E-10	3.73E-09	4.45E-10	4.82E-09	5.92E-10	1.95E-09	1.35E-10	2.68E-09
6292	469751.93	3820482.84	6.84E-09	2.87E-08	2.59E-09	3.81E-08	5.69E-09	2.11E-08	1.86E-09	2.86E-08	6.46E-10	3.70E-09	4.41E-10	4.78E-09	5.87E-10	1.94E-09	1.33E-10	2.66E-09
6293	469743.08	3820479.02	6.78E-09	2.85E-08	2.56E-09	3.78E-08	5.65E-09	2.09E-08	1.84E-09	2.84E-08	6.40E-10	3.66E-09	4.37E-10	4.74E-09	5.82E-10	1.92E-09	1.32E-10	2.63E-09
6294	469734.23	3820475.19	6.72E-09	2.82E-08	2.54E-09	3.75E-08	5.60E-09	2.07E-08	1.82E-09	2.82E-08	6.35E-10	3.63E-09	4.34E-10	4.70E-09	5.77E-10	1.90E-09	1.31E-10	2.61E-09
6295	469725.38	3820471.36	6.66E-09	2.80E-08	2.52E-09	3.72E-08	5.55E-09	2.06E-08	1.81E-09	2.79E-08	6.29E-10	3.60E-09	4.30E-10	4.66E-09	5.72E-10	1.89E-09	1.30E-10	2.59E-09
6296	469716.53	3820467.53	6.60E-09	2.77E-08	2.50E-09	3.68E-08	5.50E-09	2.04E-08	1.79E-09	2.77E-08	6.24E-10	3.57E-09	4.26E-10	4.62E-09	5.67E-10	1.87E-09	1.29E-10	2.56E-09
6297	469707.68	3820463.71	6.54E-09	2.75E-08	2.48E-09	3.65E-08	5.45E-09	2.02E-08	1.78E-09	2.74E-08	6.18E-10	3.54E-09	4.22E-10	4.58E-09	5.62E-10	1.85E-09	1.28E-10	2.54E-09
6298	469698.83	3820459.88	6.49E-09	2.72E-08	2.45E-09	3.62E-08	5.40E-09	2.00E-08	1.76E-09	2.72E-08	6.12E-10	3.51E-09	4.18E-10	4.54E-09	5.57E-10	1.84E-09	1.27E-10	2.52E-09
6299	469610.32	3820421.6	5.92E-09	2.49E-08	2.24E-09	3.30E-08	4.93E-09	1.83E-08	1.61E-09	2.48E-08	5.59E-10	3.20E-09	3.82E-10	4.14E-09	5.08E-10	1.68E-09	1.16E-10	2.30E-09
6300	469601.47	3820417.78	5.87E-09	2.46E-08	2.22E-09	3.27E-08	4.89E-09	1.81E-08	1.59E-09	2.46E-08	5.54E-10	3.17E-09	3.79E-10	4.11E-09	5.04E-10	1.66E-09	1.15E-10	2.28E-09
6301	469592.62	3820413.95	5.82E-09	2.44E-08	2.20E-09	3.25E-08	4.85E-09	1.80E-08	1.58E-09	2.44E-08	5.49E-10	3.15E-09	3.75E-10	4.07E-09	4.99E-10	1.65E-09	1.14E-10	2.26E-09
6302	469583.76	3820410.12	5.77E-09	2.42E-08	2.18E-09	3.22E-08	4.80E-09	1.78E-08	1.57E-09	2.42E-08	5.45E-10	3.12E-09	3.72E-10	4.03E-09	4.95E-10	1.63E-09	1.13E-10	2.24E-09
6303	469574.91	3820406.29	5.72E-09	2.40E-08	2.16E-09	3.19E-08	4.76E-09	1.76E-08	1.55E-09	2.40E-08	5.40E-10	3.09E-09	3.69E-10	4.00E-09	4.91E-10	1.62E-09	1.12E-10	2.22E-09
6304	469566.06	3820402.47	5.67E-09	2.38E-08	2.14E-09	3.16E-08	4.72E-09	1.75E-08	1.54E-09	2.38E-08	5.36E-10	3.07E-09	3.66E-10	3.97E-09	4.87E-10	1.61E-09	1.11E-10	2.20E-09
6305	469557.21	3820398.64	5.62E-09	2.36E-08	2.13E-09	3.14E-08	4.68E-09	1.74E-08	1.53E-09	2.36E-08	5.31E-10	3.04E-09	3.63E-10	3.93E-09	4.83E-10	1.59E-09	1.10E-10	2.18E-09
6306	469548.36	3820394.81	5.58E-09	2.34E-08	2.11E-09	3.11E-08	4.65E-09	1.72E-08	1.51E-09	2.34E-08	5.27E-10	3.01E-09	3.60E-10	3.90E-09	4.79E-10	1.58E-09	1.09E-10	2.17E-09
6307	469539.51	3820390.98	5.53E-09	2.32E-08	2.09E-09	3.08E-08	4.61E-09	1.71E-08	1.50E-09	2.32E-08	5.22E-10	2.99E-09	3.57E-10	3.87E-09	4.75E-10	1.57E-09	1.08E-10	2.15E-09
6308	469530.66	3820387.16	5.49E-09	2.30E-08	2.08E-09	3.06E-08	4.57E-09	1.69E-08	1.49E-09	2.30E-08	5.18E-10	2.97E-09	3.54E-10	3.84E-09	4.71E-10	1.55E-09	1.07E-10	2.13E-09
6309	469521.81	3820383.33	5.44E-09	2.29E-08	2.06E-09	3.04E-08	4.53E-09	1.68E-08	1.48E-09	2.28E-08	5.14E-10	2.94E-09	3.51E-10	3.81E-09	4.67E-10	1.54E-09	1.06E-10	2.11E-09
6310	469512.96	3820379.5	5.40E-09	2.27E-08	2.04E-09	3.01E-08	4.50E-09	1.67E-08	1.47E-09	2.26E-08	5.10E-10	2.92E-09	3.48E-10	3.78E-09	4.64E-10	1.53E-09	1.05E-10	2.10E-09
6311	469504.1	3820375.67	5.36E-09	2.25E-08	2.03E-09	2.99E-08	4.46E-09	1.65E-08	1.45E-09	2.25E-08	5.06E-10	2.90E-09	3.46E-10	3.75E-09	4.60E-10	1.52E-09	1.05E-10	2.08E-09
6312	469495.25	3820371.85	5.32E-09	2.23E-08	2.01E-09	2.96E-08	4.43E-09	1.64E-08	1.44E-09	2.23E-08	5.02E-10	2.87E-09	3.43E-10	3.72E-09	4.56E-10	1.50E-09	1.04E-10	2.06E-09
6313	469486.4	3820368.02	5.27E-09	2.21E-08	1.99E-09	2.94E-08	4.39E-09	1.63E-08	1.43E-09	2.21E-08	4.98E-10	2.85E-09	3.40E-10	3.69E-09	4.53E-10	1.49E-09	1.03E-10	2.05E-09
6314	469477.55	3820364.19	5.23E-09	2.20E-08	1.98E-09	2.92E-08	4.36E-09	1.61E-08	1.42E-09	2.19E-08	4.94E-10	2.83E-09	3.37E-10	3.66E-09	4.49E-10	1.48E-09	1.02E-10	2.03E-09
6315	469468.7	3820360.37	5.19E-09	2.18E-08	1.96E-09	2.89E-08	4.32E-09	1.60E-08	1.41E-09	2.17E-08	4.90E-10	2.81E-09	3.35E-10	3.63E-09	4.45E-10	1.47E-09	1.01E-10	2.02E-09
6316	469459.85	3820356.54	5.15E-09	2.16E-08	1.95E-09	2.87E-08	4.29E-09	1.59E-08	1.40E-09	2.16E-08	4.86E-10	2.78E-09	3.32E-10	3.60E-09	4.42E-10	1.46E-09	1.00E-10	2.00E-09
6317	469451	3820352.71	5.11E-09	2.14E-08	1.93E-09	2.85E-08	4.25E-09	1.58E-08	1.39E-09	2.14E-08	4.82E-10	2.76E-09	3.29E-10	3.57E-09	4.38E-10	1.45E-09	9.96E-11	1.98E-09
6318	469442.15	3820348.88	5.06E-09	2.13E-08	1.91E-09	2.82E-08	4.22E-09	1.56E-08	1.37E-09	2.12E-08	4.78E-10	2.74E-09	3.27E-10	3.54E-09	4.35E-10	1.43E-09	9.88E-11	1.97E-09
6319	469433.3	3820345.06	5.02E-09	2.11E-08	1.90E-09	2.80E-08	4.18E-09	1.55E-08	1.36E-09	2.10E-08	4.74E-10	2.71E-09	3.24E-10	3.51E-09	4.31E-10	1.42E-09	9.80E-11	1.95E-09
6320	469424.45	3820341.23	4.98E-09	2.09E-08	1.88E-09	2.78E-08	4.15E-09	1.54E-08	1.35E-09	2.09E-08	4.70E-10	2.69E-09	3.21E-10	3.48E-09	4.27E-10	1.41E-09	9.72E-11	1.93E-09

6321	469415.59	3820337.4	4.94E-09	2.07E-08	1.87E-09	2.75E-08	4.11E-09	1.52E-08	1.34E-09	2.07E-08	4.66E-10	2.67E-09	3.18E-10	3.45E-09	4.24E-10	1.40E-09	9.63E-11	1.92E-09
6322	469406.74	3820333.57	4.89E-09	2.05E-08	1.85E-09	2.73E-08	4.08E-09	1.51E-08	1.33E-09	2.05E-08	4.62E-10	2.65E-09	3.16E-10	3.42E-09	4.20E-10	1.38E-09	9.55E-11	1.90E-09
6323	469397.89	3820329.75	4.85E-09	2.04E-08	1.83E-09	2.70E-08	4.04E-09	1.50E-08	1.32E-09	2.03E-08	4.58E-10	2.62E-09	3.13E-10	3.39E-09	4.16E-10	1.37E-09	9.46E-11	1.88E-09
6324	469389.04	3820325.92	4.81E-09	2.02E-08	1.82E-09	2.68E-08	4.00E-09	1.48E-08	1.30E-09	2.01E-08	4.54E-10	2.60E-09	3.10E-10	3.36E-09	4.13E-10	1.36E-09	9.38E-11	1.87E-09
6325	469380.19	3820322.09	4.76E-09	2.00E-08	1.80E-09	2.66E-08	3.97E-09	1.47E-08	1.29E-09	1.99E-08	4.50E-10	2.57E-09	3.07E-10	3.33E-09	4.09E-10	1.35E-09	9.29E-11	1.85E-09
6326	469371.34	3820318.26	4.72E-09	1.98E-08	1.78E-09	2.63E-08	3.93E-09	1.46E-08	1.28E-09	1.98E-08	4.45E-10	2.55E-09	3.04E-10	3.30E-09	4.05E-10	1.33E-09	9.20E-11	1.83E-09
6327	469362.49	3820314.44	4.67E-09	1.96E-08	1.77E-09	2.60E-08	3.89E-09	1.44E-08	1.27E-09	1.96E-08	4.41E-10	2.52E-09	3.01E-10	3.27E-09	4.01E-10	1.32E-09	9.11E-11	1.81E-09
6328	469353.64	3820310.61	4.62E-09	1.94E-08	1.75E-09	2.58E-08	3.85E-09	1.43E-08	1.26E-09	1.94E-08	4.37E-10	2.50E-09	2.98E-10	3.23E-09	3.97E-10	1.31E-09	9.02E-11	1.80E-09
6329	469344.79	3820306.78	4.58E-09	1.92E-08	1.73E-09	2.55E-08	3.81E-09	1.41E-08	1.24E-09	1.92E-08	4.32E-10	2.47E-09	2.95E-10	3.20E-09	3.93E-10	1.30E-09	8.93E-11	1.78E-09
6330	469335.93	3820302.95	4.53E-09	1.90E-08	1.71E-09	2.53E-08	3.77E-09	1.40E-08	1.23E-09	1.90E-08	4.28E-10	2.45E-09	2.92E-10	3.17E-09	3.89E-10	1.28E-09	8.84E-11	1.76E-09
6331	469327.08	3820299.13	4.48E-09	1.88E-08	1.69E-09	2.50E-08	3.73E-09	1.38E-08	1.22E-09	1.88E-08	4.23E-10	2.42E-09	2.89E-10	3.13E-09	3.85E-10	1.27E-09	8.74E-11	1.74E-09
6332	469318.23	3820295.3	4.43E-09	1.86E-08	1.68E-09	2.47E-08	3.69E-09	1.37E-08	1.20E-09	1.86E-08	4.18E-10	2.40E-09	2.86E-10	3.10E-09	3.80E-10	1.25E-09	8.65E-11	1.72E-09
6333	469309.38	3820291.47	4.38E-09	1.84E-08	1.66E-09	2.44E-08	3.65E-09	1.35E-08	1.19E-09	1.84E-08	4.14E-10	2.37E-09	2.83E-10	3.06E-09	3.76E-10	1.24E-09	8.55E-11	1.70E-09
6334	469300.53	3820287.64	4.33E-09	1.82E-08	1.64E-09	2.42E-08	3.61E-09	1.34E-08	1.18E-09	1.81E-08	4.09E-10	2.34E-09	2.79E-10	3.03E-09	3.72E-10	1.23E-09	8.45E-11	1.68E-09
6335	469291.68	3820283.82	4.28E-09	1.80E-08	1.62E-09	2.39E-08	3.56E-09	1.32E-08	1.16E-09	1.79E-08	4.04E-10	2.31E-09	2.76E-10	2.99E-09	3.67E-10	1.21E-09	8.35E-11	1.66E-09
6336	469265.13	3820272.33	4.12E-09	1.73E-08	1.56E-09	2.30E-08	3.43E-09	1.27E-08	1.12E-09	1.73E-08	3.89E-10	2.23E-09	2.66E-10	2.88E-09	3.54E-10	1.17E-09	8.04E-11	1.60E-09
6337	469252.75	3820259.53	4.05E-09	1.70E-08	1.53E-09	2.26E-08	3.38E-09	1.25E-08	1.10E-09	1.70E-08	3.83E-10	2.19E-09	2.62E-10	2.84E-09	3.48E-10	1.15E-09	7.91E-11	1.57E-09
6338	469249.23	3820250.56	4.04E-09	1.70E-08	1.53E-09	2.25E-08	3.36E-09	1.25E-08	1.10E-09	1.69E-08	3.81E-10	2.18E-09	2.61E-10	2.83E-09	3.47E-10	1.14E-09	7.88E-11	1.57E-09
6339	469245.7	3820241.58	4.02E-09	1.69E-08	1.52E-09	2.24E-08	3.35E-09	1.24E-08	1.09E-09	1.68E-08	3.80E-10	2.17E-09	2.59E-10	2.81E-09	3.45E-10	1.14E-09	7.85E-11	1.56E-09
6340	469242.18	3820232.6	4.00E-09	1.68E-08	1.51E-09	2.23E-08	3.33E-09	1.24E-08	1.09E-09	1.68E-08	3.78E-10	2.16E-09	2.58E-10	2.80E-09	3.44E-10	1.13E-09	7.81E-11	1.55E-09
6341	469238.65	3820223.63	3.98E-09	1.67E-08	1.51E-09	2.22E-08	3.32E-09	1.23E-08	1.08E-09	1.67E-08	3.76E-10	2.15E-09	2.57E-10	2.79E-09	3.42E-10	1.13E-09	7.77E-11	1.55E-09
6342	469235.13	3820214.65	3.96E-09	1.66E-08	1.50E-09	2.21E-08	3.30E-09	1.22E-08	1.08E-09	1.66E-08	3.74E-10	2.14E-09	2.55E-10	2.77E-09	3.40E-10	1.12E-09	7.73E-11	1.54E-09
6343	469231.6	3820205.68	3.94E-09	1.65E-08	1.49E-09	2.20E-08	3.28E-09	1.21E-08	1.07E-09	1.65E-08	3.72E-10	2.13E-09	2.54E-10	2.75E-09	3.38E-10	1.11E-09	7.68E-11	1.53E-09
6344	469228.08	3820196.7	3.91E-09	1.64E-08	1.48E-09	2.18E-08	3.26E-09	1.21E-08	1.06E-09	1.64E-08	3.69E-10	2.11E-09	2.52E-10	2.74E-09	3.36E-10	1.11E-09	7.63E-11	1.52E-09
6345	469224.55	3820187.72	3.88E-09	1.63E-08	1.47E-09	2.17E-08	3.24E-09	1.20E-08	1.05E-09	1.63E-08	3.67E-10	2.10E-09	2.51E-10	2.72E-09	3.33E-10	1.10E-09	7.58E-11	1.51E-09
6346	469221.03	3820178.75	3.86E-09	1.62E-08	1.46E-09	2.15E-08	3.21E-09	1.19E-08	1.05E-09	1.62E-08	3.64E-10	2.08E-09	2.49E-10	2.70E-09	3.31E-10	1.09E-09	7.52E-11	1.50E-09
6347	469217.5	3820169.77	3.83E-09	1.61E-08	1.45E-09	2.13E-08	3.19E-09	1.18E-08	1.04E-09	1.60E-08	3.61E-10	2.07E-09	2.47E-10	2.68E-09	3.28E-10	1.08E-09	7.47E-11	1.49E-09
6348	469213.98	3820160.8	3.80E-09	1.59E-08	1.44E-09	2.12E-08	3.16E-09	1.17E-08	1.03E-09	1.59E-08	3.58E-10	2.05E-09	2.45E-10	2.66E-09	3.26E-10	1.07E-09	7.41E-11	1.47E-09
6349	469210.45	3820151.82	3.76E-09	1.58E-08	1.42E-09	2.10E-08	3.13E-09	1.16E-08	1.02E-09	1.58E-08	3.55E-10	2.03E-09	2.43E-10	2.63E-09	3.23E-10	1.07E-09	7.34E-11	1.46E-09
6350	469206.93	3820142.85	3.73E-09	1.57E-08	1.41E-09	2.08E-08	3.11E-09	1.15E-08	1.01E-09	1.56E-08	3.52E-10	2.02E-09	2.40E-10	2.61E-09	3.20E-10	1.06E-09	7.27E-11	1.45E-09
6351	469203.4	3820133.87	3.69E-09	1.55E-08	1.40E-09	2.06E-08	3.08E-09	1.14E-08	1.00E-09	1.55E-08	3.49E-10	2.00E-09	2.38E-10	2.58E-09	3.17E-10	1.05E-09	7.21E-11	1.43E-09
6352	469199.88	3820124.89	3.65E-09	1.53E-08	1.38E-09	2.04E-08	3.04E-09	1.13E-08	9.92E-10	1.53E-08	3.45E-10	1.98E-09	2.36E-10	2.56E-09	3.14E-10	1.03E-09	7.13E-11	1.42E-09
6353	469196.35	3820115.92	3.62E-09	1.52E-08	1.37E-09	2.02E-08	3.01E-09	1.12E-08	9.82E-10	1.52E-08	3.42E-10	1.96E-09	2.33E-10	2.53E-09	3.10E-10	1.02E-09	7.06E-11	1.40E-09
6354	469192.83	3820106.94	3.58E-09	1.50E-08	1.35E-09	1.99E-08	2.98E-09	1.10E-08	9.71E-10	1.50E-08	3.38E-10	1.93E-09	2.31E-10	2.50E-09	3.07E-10	1.01E-09	6.98E-11	1.39E-09
6355	469189.3	3820097.97	3.54E-09	1.48E-08	1.34E-09	1.97E-08	2.94E-09	1.09E-08	9.60E-10	1.48E-08	3.34E-10	1.91E-09	2.28E-10	2.47E-09	3.04E-10	1.00E-09	6.90E-11	1.37E-09
6356	469185.78	3820088.99	3.49E-09	1.47E-08	1.32E-09	1.95E-08	2.91E-09	1.08E-08	9.48E-10	1.46E-08	3.30E-10	1.89E-09	2.25E-10	2.44E-09	3.00E-10	9.89E-10	6.82E-11	1.36E-09
6357	469182.25	3820080.01	3.45E-09	1.45E-08	1.30E-09	1.92E-08	2.87E-09	1.06E-08	9.36E-10	1.45E-08	3.26E-10	1.86E-09	2.23E-10	2.41E-09	2.96E-10	9.76E-10	6.73E-11	1.34E-09
6358	469178.73	3820071.04	3.41E-09	1.43E-08	1.29E-09	1.90E-08	2.84E-09	1.05E-08	9.24E-10	1.43E-08	3.22E-10	1.84E-09	2.20E-10	2.38E-09	2.92E-10	9.64E-10	6.64E-11	1.32E-09
6359	469175.2	3820062.06	3.36E-09	1.41E-08	1.27E-09	1.87E-08	2.80E-09	1.04E-08	9.12E-10	1.41E-08	3.17E-10	1.82E-09	2.17E-10	2.35E-09	2.88E-10	9.51E-10	6.55E-11	1.30E-09
6360	469083.56	3819828.69	1.98E-09	8.32E-09	7.50E-10	1.11E-08	1.65E-09	6.12E-09	5.38E-10	8.31E-09	1.87E-10	1.07E-09	1.28E-10	1.39E-09	1.70E-10	5.61E-10	3.87E-11	7.70E-10
6361	469080.03	3819819.71	1.93E-09	8.11E-09	7.30E-10	1.08E-08	1.61E-09	5.96E-09	5.24E-10	8.09E-09	1.82E-10	1.04E-09	1.25E-10	1.35E-09	1.66E-10	5.47E-10	3.77E-11	7.50E-10
6362	469076.51	3819810.74	1.88E-09	7.90E-09	7.11E-10	1.05E-08	1.57E-09	5.80E-09	5.11E-10	7.88E-09	1.78E-10	1.02E-09	1.21E-10	1.32E-09	1.61E-10	5.32E-10	3.67E-11	7.30E-10
6363	469072.98	3819801.76	1.83E-09	7.69E-09	6.92E-10	1.02E-08	1.52E-09	5.65E-09	4.97E-10	7.67E-09	1.73E-10	9.90E-10	1.18E-10	1.28E-09	1.57E-10	5.18E-10	3.57E-11	7.11E-10
6364	469069.46	3819792.79	1.78E-09	7.48E-09	6.74E-10	9.94E-09	1.48E-09	5.50E-09	4.84E-10	7.47E-09	1.68E-10	9.63E-10	1.15E-10	1.25E-09	1.53E-10	5.04E-10	3.48E-11	6.92E-10
6365	469065.93	3819783.81	1.73E-09	7.28E-09	6.56E-10	9.67E-09	1.44E-09	5.35E-09	4.71E-10	7.27E-09	1.64E-10	9.38E-10	1.12E-10	1.21E-09	1.49E-10	4.91E-10	3.38E-11	6.74E-10
6366	469062.41	3819774.84	1.69E-09	7.09E-09	6.38E-10	9.41E-09	1.41E-09	5.21E-09	4.58E-10	7.07E-09	1.59E-10	9.12E-10	1.09E-10	1.18E-09	1.45E-10	4.78E-10	3.29E-11	6.55E-10
6367	469058.88	3819765.86	1.64E-09	6.89E-09	6.21E-10	9.15E-09	1.37E-09	5.06E-09	4.46E-10	6.88E-09	1.55E-10	8.87E-10	1.06E-10	1.15E-09	1.41E-10	4.65E-10	3.20E-11	6.37E-10
6368	469055.36	3819756.88	1.60E-09	6.70E-09	6.04E-10	8.90E-09	1.33E-09	4.92E-09	4.33E-10	6.69E-09	1.51E-10	8.63E-10	1.03E-10	1.12E-09	1.37E-10	4.52E-10	3.11E-11	6.20E-10
6369	469051.83	3819747.91	1.55E-09	6.51E-09	5.87E-10	8.65E-09	1.29E-09	4.79E-09	4.21E-10	6.50E-09	1.46E-10	8.39E-10	1.00E-10	1.09E-09	1.33E-10	4.39E-10	3.03E-11	6.03E-10
6370	469048.31	3819738.93	1.51E-09	6.33E-09	5.70E-10	8.41E-09	1.26E-09	4.65E-09	4.09E-10	6.32E-09	1.42E-10	8.15E-10	9.72E-11	1.05E-09	1.29E-10	4.27E-10	2.94E-11	5.85E-10
6371	469044.78	3819729.96	1.46E-09	6.15E-09	5.54E-10	8.17E-09	1.22E-09	4.52E-09	3.98E-10	6.14E-09	1.38E-10	7.92E-10	9.45E-11	1.02E-09	1.26E-10	4.15E-10	2.86E-11	5.69E-10

6372	469041.26	3819720.98	1.42E-09	5.98E-09	5.38E-10	7.94E-09	1.19E-09	4.39E-09	3.86E-10	5.96E-09	1.34E-10	7.69E-10	9.18E-11	9.95E-10	1.22E-10	4.03E-10	2.78E-11	5.53E-10
6373	469037.73	3819712	1.38E-09	5.81E-09	5.23E-10	7.71E-09	1.15E-09	4.27E-09	3.75E-10	5.79E-09	1.31E-10	7.47E-10	8.92E-11	9.67E-10	1.19E-10	3.91E-10	2.70E-11	5.37E-10
6374	469034.21	3819703.03	1.34E-09	5.64E-09	5.08E-10	7.50E-09	1.12E-09	4.15E-09	3.65E-10	5.63E-09	1.27E-10	7.27E-10	8.67E-11	9.40E-10	1.15E-10	3.80E-10	2.62E-11	5.22E-10
6375	469030.68	3819694.05	1.31E-09	5.49E-09	4.94E-10	7.29E-09	1.09E-09	4.03E-09	3.55E-10	5.47E-09	1.23E-10	7.06E-10	8.43E-11	9.14E-10	1.12E-10	3.70E-10	2.55E-11	5.07E-10
6376	469027.16	3819685.08	1.27E-09	5.33E-09	4.80E-10	7.08E-09	1.06E-09	3.92E-09	3.45E-10	5.32E-09	1.20E-10	6.87E-10	8.19E-11	8.88E-10	1.09E-10	3.59E-10	2.48E-11	4.93E-10
6377	469023.63	3819676.1	1.24E-09	5.19E-09	4.67E-10	6.89E-09	1.03E-09	3.81E-09	3.35E-10	5.17E-09	1.17E-10	6.68E-10	7.97E-11	8.64E-10	1.06E-10	3.50E-10	2.41E-11	4.80E-10
6378	469020.11	3819667.13	1.20E-09	5.04E-09	4.54E-10	6.70E-09	1.00E-09	3.71E-09	3.26E-10	5.03E-09	1.13E-10	6.49E-10	7.74E-11	8.40E-10	1.03E-10	3.40E-10	2.34E-11	4.66E-10
6379	469016.58	3819658.15	1.17E-09	4.90E-09	4.42E-10	6.51E-09	9.73E-10	3.60E-09	3.17E-10	4.89E-09	1.10E-10	6.31E-10	7.53E-11	8.17E-10	1.00E-10	3.31E-10	2.28E-11	4.54E-10
6380	469013.06	3819649.17	1.14E-09	4.77E-09	4.30E-10	6.34E-09	9.46E-10	3.51E-09	3.08E-10	4.76E-09	1.07E-10	6.14E-10	7.33E-11	7.95E-10	9.75E-11	3.22E-10	2.22E-11	4.41E-10
6381	469009.53	3819640.2	1.10E-09	4.64E-09	4.18E-10	6.16E-09	9.20E-10	3.41E-09	3.00E-10	4.63E-09	1.04E-10	5.97E-10	7.12E-11	7.73E-10	9.48E-11	3.13E-10	2.16E-11	4.29E-10
6382	469006.01	3819631.22	1.07E-09	4.51E-09	4.06E-10	5.99E-09	8.95E-10	3.32E-09	2.92E-10	4.50E-09	1.01E-10	5.81E-10	6.93E-11	7.52E-10	9.22E-11	3.04E-10	2.10E-11	4.17E-10
6383	469002.48	3819622.25	1.04E-09	4.39E-09	3.95E-10	5.83E-09	8.70E-10	3.22E-09	2.84E-10	4.38E-09	9.87E-11	5.65E-10	6.74E-11	7.31E-10	8.97E-11	2.96E-10	2.04E-11	4.06E-10
6384	468998.96	3819613.27	1.02E-09	4.27E-09	3.85E-10	5.67E-09	8.47E-10	3.14E-09	2.76E-10	4.26E-09	9.60E-11	5.50E-10	6.56E-11	7.11E-10	8.73E-11	2.88E-10	1.98E-11	3.95E-10
6385	468995.43	3819604.29	9.90E-10	4.16E-09	3.74E-10	5.52E-09	8.25E-10	3.06E-09	2.69E-10	4.15E-09	9.35E-11	5.35E-10	6.39E-11	6.93E-10	8.50E-11	2.80E-10	1.93E-11	3.85E-10
6386	468991.91	3819595.32	9.65E-10	4.05E-09	3.65E-10	5.38E-09	8.04E-10	2.98E-09	2.62E-10	4.05E-09	9.12E-11	5.22E-10	6.23E-11	6.75E-10	8.29E-11	2.73E-10	1.88E-11	3.75E-10
6387	468988.38	3819586.34	9.41E-10	3.95E-09	3.56E-10	5.25E-09	7.84E-10	2.90E-09	2.55E-10	3.94E-09	8.88E-11	5.09E-10	6.07E-11	6.58E-10	8.08E-11	2.66E-10	1.84E-11	3.65E-10
6388	468984.86	3819577.37	9.17E-10	3.85E-09	3.47E-10	5.12E-09	7.64E-10	2.83E-09	2.49E-10	3.84E-09	8.66E-11	4.96E-10	5.92E-11	6.42E-10	7.87E-11	2.60E-10	1.79E-11	3.56E-10
6389	468981.33	3819568.39	8.95E-10	3.76E-09	3.39E-10	4.99E-09	7.46E-10	2.76E-09	2.43E-10	3.75E-09	8.46E-11	4.84E-10	5.78E-11	6.26E-10	7.69E-11	2.53E-10	1.75E-11	3.48E-10
6390	468977.81	3819559.42	8.73E-10	3.67E-09	3.30E-10	4.87E-09	7.27E-10	2.70E-09	2.37E-10	3.66E-09	8.25E-11	4.72E-10	5.63E-11	6.11E-10	7.50E-11	2.47E-10	1.70E-11	3.39E-10
6391	468974.28	3819550.44	8.53E-10	3.58E-09	3.23E-10	4.76E-09	7.10E-10	2.63E-09	2.32E-10	3.57E-09	8.05E-11	4.61E-10	5.50E-11	5.97E-10	7.32E-11	2.41E-10	1.66E-11	3.31E-10
6392	468970.76	3819541.46	8.34E-10	3.50E-09	3.15E-10	4.65E-09	6.94E-10	2.57E-09	2.26E-10	3.49E-09	7.87E-11	4.51E-10	5.38E-11	5.83E-10	7.16E-11	2.36E-10	1.63E-11	3.24E-10
6393	468967.24	3819532.49	8.14E-10	3.42E-09	3.08E-10	4.54E-09	6.78E-10	2.51E-09	2.21E-10	3.41E-09	7.69E-11	4.40E-10	5.25E-11	5.70E-10	6.99E-11	2.31E-10	1.59E-11	3.16E-10
6394	468963.71	3819523.51	7.96E-10	3.34E-09	3.01E-10	4.44E-09	6.63E-10	2.46E-09	2.16E-10	3.33E-09	7.52E-11	4.30E-10	5.13E-11	5.57E-10	6.83E-11	2.25E-10	1.55E-11	3.09E-10
6395	468960.19	3819514.54	7.78E-10	3.27E-09	2.94E-10	4.34E-09	6.48E-10	2.40E-09	2.11E-10	3.26E-09	7.35E-11	4.21E-10	5.02E-11	5.44E-10	6.68E-11	2.20E-10	1.52E-11	3.02E-10
6396	468956.66	3819505.56	7.61E-10	3.20E-09	2.88E-10	4.24E-09	6.34E-10	2.35E-09	2.07E-10	3.19E-09	7.19E-11	4.11E-10	4.91E-11	5.32E-10	6.53E-11	2.15E-10	1.48E-11	2.96E-10
6397	468953.14	3819496.58	7.44E-10	3.13E-09	2.82E-10	4.15E-09	6.20E-10	2.30E-09	2.02E-10	3.12E-09	7.03E-11	4.02E-10	4.80E-11	5.21E-10	6.39E-11	2.11E-10	1.45E-11	2.89E-10
6398	468949.61	3819487.61	7.29E-10	3.06E-09	2.76E-10	4.07E-09	6.07E-10	2.25E-09	1.98E-10	3.06E-09	6.89E-11	3.94E-10	4.70E-11	5.10E-10	6.26E-11	2.06E-10	1.42E-11	2.83E-10
6399	468946.09	3819478.63	7.14E-10	3.00E-09	2.70E-10	3.98E-09	5.95E-10	2.20E-09	1.94E-10	2.99E-09	6.74E-11	3.86E-10	4.61E-11	5.00E-10	6.13E-11	2.02E-10	1.39E-11	2.77E-10
6400	468942.56	3819469.66	7.01E-10	2.94E-09	2.65E-10	3.91E-09	5.83E-10	2.16E-09	1.90E-10	2.94E-09	6.62E-11	3.79E-10	4.52E-11	4.90E-10	6.01E-11	1.98E-10	1.37E-11	2.72E-10
6401	468939.04	3819460.68	6.62E-10	2.78E-09	2.50E-10	3.69E-09	5.51E-10	2.04E-09	1.80E-10	2.77E-09	6.25E-11	3.58E-10	4.27E-11	4.63E-10	5.68E-11	1.87E-10	1.29E-11	2.57E-10
6402	468935.51	3819451.71	6.52E-10	2.74E-09	2.47E-10	3.64E-09	5.43E-10	2.01E-09	1.77E-10	2.73E-09	6.15E-11	3.52E-10	4.20E-11	4.56E-10	5.60E-11	1.84E-10	1.27E-11	2.53E-10
6403	468931.99	3819442.73	6.43E-10	2.70E-09	2.43E-10	3.59E-09	5.35E-10	1.98E-09	1.75E-10	2.69E-09	6.07E-11	3.48E-10	4.15E-11	4.50E-10	5.52E-11	1.82E-10	1.25E-11	2.50E-10
6404	468928.46	3819433.75	6.34E-10	2.66E-09	2.40E-10	3.54E-09	5.28E-10	1.96E-09	1.72E-10	2.66E-09	5.99E-11	3.43E-10	4.09E-11	4.43E-10	5.44E-11	1.79E-10	1.24E-11	2.46E-10
6405	470088.27	3820628.29	6.74E-09	2.83E-08	2.55E-09	3.76E-08	5.61E-09	2.08E-08	1.83E-09	2.82E-08	6.36E-10	3.64E-09	4.35E-10	4.72E-09	5.79E-10	1.91E-09	1.32E-10	2.62E-09
6406	470097.97	3820628.42	6.70E-09	2.81E-08	2.53E-09	3.74E-08	5.58E-09	2.07E-08	1.82E-09	2.81E-08	6.33E-10	3.62E-09	4.32E-10	4.69E-09	5.75E-10	1.90E-09	1.31E-10	2.60E-09
6407	470107.67	3820628.56	6.65E-09	2.79E-08	2.52E-09	3.71E-08	5.54E-09	2.05E-08	1.81E-09	2.79E-08	6.28E-10	3.60E-09	4.29E-10	4.65E-09	5.71E-10	1.88E-09	1.30E-10	2.58E-09
6408	470117.37	3820628.69	6.61E-09	2.78E-08	2.50E-09	3.69E-08	5.51E-09	2.04E-08	1.79E-09	2.77E-08	6.24E-10	3.57E-09	4.26E-10	4.62E-09	5.67E-10	1.87E-09	1.29E-10	2.57E-09
6409	470127.06	3820628.83	6.56E-09	2.76E-08	2.48E-09	3.66E-08	5.47E-09	2.03E-08	1.78E-09	2.75E-08	6.20E-10	3.55E-09	4.23E-10	4.59E-09	5.63E-10	1.86E-09	1.28E-10	2.55E-09
6410	470136.76	3820628.96	6.51E-09	2.74E-08	2.46E-09	3.63E-08	5.43E-09	2.01E-08	1.77E-09	2.73E-08	6.15E-10	3.52E-09	4.20E-10	4.56E-09	5.59E-10	1.84E-09	1.27E-10	2.53E-09
6411	470146.46	3820629.1	6.46E-09	2.71E-08	2.44E-09	3.60E-08	5.38E-09	1.99E-08	1.75E-09	2.71E-08	6.10E-10	3.49E-09	4.17E-10	4.52E-09	5.55E-10	1.83E-09	1.26E-10	2.51E-09
6412	470156.15	3820629.23	6.41E-09	2.69E-08	2.42E-09	3.58E-08	5.34E-09	1.98E-08	1.74E-09	2.69E-08	6.05E-10	3.47E-09	4.14E-10	4.49E-09	5.50E-10	1.81E-09	1.25E-10	2.49E-09
6413	470165.85	3820629.37	6.36E-09	2.67E-08	2.40E-09	3.55E-08	5.30E-09	1.96E-08	1.73E-09	2.66E-08	6.00E-10	3.44E-09	4.10E-10	4.45E-09	5.46E-10	1.80E-09	1.24E-10	2.47E-09
6414	470175.55	3820629.5	6.30E-09	2.65E-08	2.38E-09	3.52E-08	5.25E-09	1.95E-08	1.71E-09	2.64E-08	5.95E-10	3.41E-09	4.07E-10	4.41E-09	5.41E-10	1.78E-09	1.23E-10	2.45E-09
6415	470185.25	3820629.64	6.25E-09	2.62E-08	2.36E-09	3.49E-08	5.20E-09	1.93E-08	1.70E-09	2.62E-08	5.90E-10	3.38E-09	4.03E-10	4.37E-09	5.36E-10	1.77E-09	1.22E-10	2.43E-09
6416	470194.94	3820629.77	6.19E-09	2.60E-08	2.34E-09	3.45E-08	5.16E-09	1.91E-08	1.68E-09	2.59E-08	5.85E-10	3.35E-09	3.99E-10	4.33E-09	5.32E-10	1.75E-09	1.21E-10	2.41E-09
6417	470204.64	3820629.91	6.14E-09	2.58E-08	2.32E-09	3.42E-08	5.11E-09	1.89E-08	1.67E-09	2.57E-08	5.79E-10	3.32E-09	3.96E-10	4.29E-09	5.27E-10	1.74E-09	1.20E-10	2.38E-09
6418	470214.34	3820630.04	6.08E-09	2.55E-08	2.30E-09	3.39E-08	5.06E-09	1.88E-08	1.65E-09	2.55E-08	5.74E-10	3.29E-09	3.92E-10	4.25E-09	5.22E-10	1.72E-09	1.19E-10	2.36E-09
6419	470224.04	3820630.18	6.02E-09	2.53E-08	2.28E-09	3.36E-08	5.02E-09	1.86E-08	1.64E-09	2.52E-08	5.69E-10	3.26E-09	3.89E-10	4.21E-09	5.17E-10	1.71E-09	1.18E-10	2.34E-09
6420	470233.73	3820630.31	5.97E-09	2.51E-08	2.26E-09	3.33E-08	4.97E-09	1.84E-08	1.62E-09	2.50E-08	5.64E-10	3.23E-09	3.85E-10	4.18E-09	5.12E-10	1.69E-09	1.16E-10	2.32E-09
6421	470243.43	3820630.45	5.91E-09	2.48E-08	2.24E-09	3.30E-08	4.93E-09	1.82E-08	1.61E-09	2.48E-08	5.58E-10	3.20E-09	3.81E-10	4.14E-09	5.08E-10	1.67E-09	1.15E-10	2.30E-09
6422	470253.13	3820630.58	5.86E-09	2.46E-08	2.22E-09	3.27E-08	4.88E-09	1.81E-08	1.59E-09	2.45E-08	5.53E-10	3.17E-09	3.78E-10	4.10E-09	5.03E-10	1.66E-09	1.14E-10	2.28E-09

6423	470262.82	3820630.72	5.81E-09	2.44E-08	2.20E-09	3.24E-08	4.84E-09	1.79E-08	1.58E-09	2.43E-08	5.48E-10	3.14E-09	3.74E-10	4.06E-09	4.98E-10	1.64E-09	1.13E-10	2.26E-09
6424	470078.28	3820704.44	6.11E-09	2.57E-08	2.31E-09	3.41E-08	5.09E-09	1.89E-08	1.66E-09	2.56E-08	5.77E-10	3.31E-09	3.94E-10	4.28E-09	5.25E-10	1.73E-09	1.19E-10	2.37E-09
6425	470069.39	3820700.59	6.18E-09	2.59E-08	2.34E-09	3.44E-08	5.14E-09	1.91E-08	1.68E-09	2.59E-08	5.83E-10	3.34E-09	3.98E-10	4.32E-09	5.30E-10	1.75E-09	1.21E-10	2.40E-09
6426	470060.51	3820696.75	6.23E-09	2.62E-08	2.36E-09	3.48E-08	5.19E-09	1.92E-08	1.69E-09	2.61E-08	5.89E-10	3.37E-09	4.02E-10	4.36E-09	5.35E-10	1.76E-09	1.22E-10	2.42E-09
6427	470051.62	3820692.91	6.29E-09	2.64E-08	2.38E-09	3.51E-08	5.24E-09	1.94E-08	1.71E-09	2.64E-08	5.94E-10	3.40E-09	4.06E-10	4.40E-09	5.40E-10	1.78E-09	1.23E-10	2.44E-09
6428	470042.74	3820689.07	6.34E-09	2.66E-08	2.40E-09	3.54E-08	5.28E-09	1.96E-08	1.72E-09	2.66E-08	5.99E-10	3.43E-09	4.09E-10	4.44E-09	5.45E-10	1.80E-09	1.24E-10	2.46E-09
6429	470033.86	3820685.23	6.39E-09	2.69E-08	2.42E-09	3.57E-08	5.33E-09	1.97E-08	1.74E-09	2.68E-08	6.04E-10	3.46E-09	4.12E-10	4.47E-09	5.49E-10	1.81E-09	1.25E-10	2.48E-09
6430	470024.97	3820681.39	6.44E-09	2.71E-08	2.44E-09	3.59E-08	5.37E-09	1.99E-08	1.75E-09	2.70E-08	6.08E-10	3.48E-09	4.15E-10	4.51E-09	5.53E-10	1.82E-09	1.26E-10	2.50E-09
6431	470016.09	3820677.54	6.49E-09	2.72E-08	2.45E-09	3.62E-08	5.40E-09	2.00E-08	1.76E-09	2.72E-08	6.13E-10	3.51E-09	4.18E-10	4.54E-09	5.57E-10	1.84E-09	1.27E-10	2.52E-09
6432	470007.2	3820673.7	6.53E-09	2.74E-08	2.47E-09	3.64E-08	5.44E-09	2.02E-08	1.77E-09	2.74E-08	6.17E-10	3.53E-09	4.21E-10	4.57E-09	5.61E-10	1.85E-09	1.27E-10	2.54E-09
6433	469998.32	3820669.86	6.57E-09	2.76E-08	2.49E-09	3.67E-08	5.47E-09	2.03E-08	1.78E-09	2.75E-08	6.21E-10	3.55E-09	4.24E-10	4.60E-09	5.64E-10	1.86E-09	1.28E-10	2.55E-09
6434	469989.44	3820666.02	6.61E-09	2.78E-08	2.50E-09	3.69E-08	5.51E-09	2.04E-08	1.79E-09	2.77E-08	6.24E-10	3.57E-09	4.26E-10	4.62E-09	5.67E-10	1.87E-09	1.29E-10	2.57E-09
6435	469980.55	3820662.18	6.64E-09	2.79E-08	2.51E-09	3.70E-08	5.53E-09	2.05E-08	1.80E-09	2.78E-08	6.27E-10	3.59E-09	4.28E-10	4.65E-09	5.70E-10	1.88E-09	1.30E-10	2.58E-09
6436	469971.67	3820658.34	6.67E-09	2.80E-08	2.52E-09	3.72E-08	5.56E-09	2.06E-08	1.81E-09	2.80E-08	6.30E-10	3.61E-09	4.30E-10	4.67E-09	5.73E-10	1.89E-09	1.30E-10	2.59E-09
6437	469962.78	3820654.49	6.70E-09	2.81E-08	2.53E-09	3.74E-08	5.58E-09	2.07E-08	1.82E-09	2.81E-08	6.32E-10	3.62E-09	4.32E-10	4.68E-09	5.75E-10	1.90E-09	1.31E-10	2.60E-09
6438	469953.9	3820650.65	6.72E-09	2.82E-08	2.54E-09	3.75E-08	5.60E-09	2.07E-08	1.82E-09	2.82E-08	6.35E-10	3.63E-09	4.33E-10	4.70E-09	5.77E-10	1.90E-09	1.31E-10	2.61E-09
6439	469945.02	3820646.81	6.74E-09	2.83E-08	2.55E-09	3.76E-08	5.61E-09	2.08E-08	1.83E-09	2.82E-08	6.36E-10	3.64E-09	4.35E-10	4.71E-09	5.78E-10	1.91E-09	1.31E-10	2.62E-09
6440	469936.13	3820642.97	6.75E-09	2.84E-08	2.55E-09	3.77E-08	5.62E-09	2.08E-08	1.83E-09	2.83E-08	6.38E-10	3.65E-09	4.36E-10	4.72E-09	5.80E-10	1.91E-09	1.32E-10	2.62E-09
6441	469927.25	3820639.13	6.76E-09	2.84E-08	2.56E-09	3.77E-08	5.63E-09	2.09E-08	1.84E-09	2.83E-08	6.39E-10	3.66E-09	4.36E-10	4.73E-09	5.81E-10	1.91E-09	1.32E-10	2.63E-09
6442	469918.36	3820635.29	6.77E-09	2.84E-08	2.56E-09	3.78E-08	5.64E-09	2.09E-08	1.84E-09	2.84E-08	6.39E-10	3.66E-09	4.37E-10	4.74E-09	5.81E-10	1.92E-09	1.32E-10	2.63E-09
6443	469909.48	3820631.44	6.77E-09	2.84E-08	2.56E-09	3.78E-08	5.64E-09	2.09E-08	1.84E-09	2.84E-08	6.40E-10	3.66E-09	4.37E-10	4.74E-09	5.82E-10	1.92E-09	1.32E-10	2.63E-09
6444	469900.6	3820627.6	6.77E-09	2.85E-08	2.56E-09	3.78E-08	5.64E-09	2.09E-08	1.84E-09	2.84E-08	6.40E-10	3.66E-09	4.37E-10	4.74E-09	5.82E-10	1.92E-09	1.32E-10	2.63E-09
6445	469891.71	3820623.76	6.77E-09	2.84E-08	2.56E-09	3.78E-08	5.64E-09	2.09E-08	1.84E-09	2.84E-08	6.39E-10	3.66E-09	4.37E-10	4.74E-09	5.81E-10	1.92E-09	1.32E-10	2.63E-09
6446	469882.83	3820619.92	6.76E-09	2.84E-08	2.56E-09	3.77E-08	5.63E-09	2.09E-08	1.84E-09	2.83E-08	6.39E-10	3.66E-09	4.36E-10	4.73E-09	5.81E-10	1.91E-09	1.32E-10	2.63E-09
6447	469873.94	3820616.08	6.75E-09	2.84E-08	2.55E-09	3.77E-08	5.62E-09	2.08E-08	1.83E-09	2.83E-08	6.38E-10	3.65E-09	4.36E-10	4.72E-09	5.80E-10	1.91E-09	1.32E-10	2.62E-09
6448	469865.06	3820612.24	6.74E-09	2.83E-08	2.55E-09	3.76E-08	5.61E-09	2.08E-08	1.83E-09	2.82E-08	6.36E-10	3.64E-09	4.35E-10	4.71E-09	5.78E-10	1.91E-09	1.31E-10	2.62E-09
6449	469856.18	3820608.39	6.72E-09	2.82E-08	2.54E-09	3.75E-08	5.60E-09	2.07E-08	1.82E-09	2.82E-08	6.35E-10	3.63E-09	4.33E-10	4.70E-09	5.77E-10	1.90E-09	1.31E-10	2.61E-09
6450	469847.29	3820604.55	6.70E-09	2.81E-08	2.53E-09	3.74E-08	5.58E-09	2.07E-08	1.82E-09	2.81E-08	6.33E-10	3.62E-09	4.32E-10	4.69E-09	5.75E-10	1.90E-09	1.31E-10	2.60E-09
6451	469838.41	3820600.71	6.68E-09	2.80E-08	2.52E-09	3.72E-08	5.56E-09	2.06E-08	1.81E-09	2.80E-08	6.30E-10	3.61E-09	4.31E-10	4.67E-09	5.73E-10	1.89E-09	1.30E-10	2.59E-09
6452	469829.52	3820596.87	6.65E-09	2.79E-08	2.51E-09	3.71E-08	5.54E-09	2.05E-08	1.80E-09	2.78E-08	6.28E-10	3.59E-09	4.29E-10	4.65E-09	5.71E-10	1.88E-09	1.30E-10	2.58E-09
6453	469820.64	3820593.03	6.62E-09	2.78E-08	2.50E-09	3.69E-08	5.51E-09	2.04E-08	1.80E-09	2.77E-08	6.25E-10	3.58E-09	4.27E-10	4.63E-09	5.68E-10	1.87E-09	1.29E-10	2.57E-09
6454	469811.75	3820589.19	6.58E-09	2.76E-08	2.49E-09	3.67E-08	5.48E-09	2.03E-08	1.79E-09	2.76E-08	6.22E-10	3.56E-09	4.25E-10	4.60E-09	5.65E-10	1.86E-09	1.28E-10	2.56E-09
6455	469802.87	3820585.34	6.55E-09	2.75E-08	2.48E-09	3.65E-08	5.45E-09	2.02E-08	1.78E-09	2.74E-08	6.18E-10	3.54E-09	4.22E-10	4.58E-09	5.62E-10	1.85E-09	1.28E-10	2.54E-09
6456	469793.99	3820581.5	6.51E-09	2.73E-08	2.46E-09	3.63E-08	5.42E-09	2.01E-08	1.77E-09	2.73E-08	6.15E-10	3.52E-09	4.20E-10	4.55E-09	5.59E-10	1.84E-09	1.27E-10	2.53E-09
6457	469785.1	3820577.66	6.47E-09	2.72E-08	2.45E-09	3.61E-08	5.39E-09	2.00E-08	1.76E-09	2.71E-08	6.11E-10	3.50E-09	4.17E-10	4.52E-09	5.55E-10	1.83E-09	1.26E-10	2.51E-09
6458	469776.22	3820573.82	6.42E-09	2.70E-08	2.43E-09	3.58E-08	5.35E-09	1.98E-08	1.74E-09	2.69E-08	6.07E-10	3.47E-09	4.14E-10	4.49E-09	5.52E-10	1.82E-09	1.25E-10	2.50E-09
6459	469767.33	3820569.98	6.38E-09	2.68E-08	2.41E-09	3.56E-08	5.31E-09	1.97E-08	1.73E-09	2.67E-08	6.03E-10	3.45E-09	4.12E-10	4.46E-09	5.48E-10	1.81E-09	1.25E-10	2.48E-09
6460	469758.45	3820566.13	6.33E-09	2.66E-08	2.40E-09	3.53E-08	5.28E-09	1.95E-08	1.72E-09	2.65E-08	5.98E-10	3.42E-09	4.09E-10	4.43E-09	5.44E-10	1.79E-09	1.24E-10	2.46E-09
6461	469749.57	3820562.29	6.29E-09	2.64E-08	2.38E-09	3.51E-08	5.24E-09	1.94E-08	1.71E-09	2.63E-08	5.94E-10	3.40E-09	4.06E-10	4.40E-09	5.40E-10	1.78E-09	1.23E-10	2.44E-09
6462	469740.68	3820558.45	6.24E-09	2.62E-08	2.36E-09	3.48E-08	5.20E-09	1.93E-08	1.69E-09	2.61E-08	5.89E-10	3.37E-09	4.02E-10	4.36E-09	5.36E-10	1.77E-09	1.22E-10	2.42E-09
6463	469731.8	3820554.61	6.19E-09	2.60E-08	2.34E-09	3.45E-08	5.16E-09	1.91E-08	1.68E-09	2.59E-08	5.85E-10	3.35E-09	3.99E-10	4.33E-09	5.31E-10	1.75E-09	1.21E-10	2.40E-09
6464	469722.91	3820550.77	6.14E-09	2.58E-08	2.32E-09	3.42E-08	5.11E-09	1.89E-08	1.67E-09	2.57E-08	5.80E-10	3.32E-09	3.96E-10	4.30E-09	5.27E-10	1.74E-09	1.20E-10	2.38E-09
6465	469714.03	3820546.93	6.09E-09	2.56E-08	2.30E-09	3.40E-08	5.07E-09	1.88E-08	1.65E-09	2.55E-08	5.75E-10	3.29E-09	3.93E-10	4.26E-09	5.23E-10	1.72E-09	1.19E-10	2.37E-09
6466	469705.15	3820543.08	6.04E-09	2.54E-08	2.28E-09	3.37E-08	5.03E-09	1.86E-08	1.64E-09	2.53E-08	5.70E-10	3.26E-09	3.89E-10	4.22E-09	5.18E-10	1.71E-09	1.18E-10	2.35E-09
6467	469696.26	3820539.24	5.99E-09	2.51E-08	2.26E-09	3.34E-08	4.99E-09	1.85E-08	1.63E-09	2.51E-08	5.65E-10	3.24E-09	3.86E-10	4.19E-09	5.14E-10	1.69E-09	1.17E-10	2.33E-09
6468	469607.42	3820500.83	5.48E-09	2.30E-08	2.07E-09	3.06E-08	4.57E-09	1.69E-08	1.49E-09	2.30E-08	5.18E-10	2.96E-09	3.54E-10	3.83E-09	4.71E-10	1.55E-09	1.07E-10	2.13E-09
6469	469598.54	3820496.98	5.43E-09	2.28E-08	2.06E-09	3.03E-08	4.53E-09	1.68E-08	1.48E-09	2.28E-08	5.13E-10	2.94E-09	3.50E-10	3.80E-09	4.66E-10	1.54E-09	1.06E-10	2.11E-09
6470	469589.65	3820493.14	5.39E-09	2.26E-08	2.04E-09	3.00E-08	4.49E-09	1.66E-08	1.46E-09	2.26E-08	5.09E-10	2.91E-09	3.47E-10	3.77E-09	4.62E-10	1.52E-09	1.05E-10	2.09E-09
6471	469580.77	3820489.3	5.34E-09	2.24E-08	2.02E-09	2.98E-08	4.45E-09	1.65E-08	1.45E-09	2.24E-08	5.04E-10	2.89E-09	3.44E-10	3.74E-09	4.58E-10	1.51E-09	1.04E-10	2.07E-09
6472	469571.89	3820485.46	5.29E-09	2.22E-08	2.00E-09	2.95E-08	4.41E-09	1.63E-08	1.44E-09	2.22E-08	5.00E-10	2.86E-09	3.42E-10	3.70E-09	4.55E-10	1.50E-09	1.03E-10	2.06E-09
6473	469563	3820481.62	5.25E-09	2.21E-08	1.99E-09	2.93E-08	4.37E-09	1.62E-08	1.43E-09	2.20E-08	4.96E-10	2.84E-09	3.39E-10	3.67E-09	4.51E-10	1.49E-09	1.02E-10	2.04E-09

6474	469554.12	3820477.78	5.21E-09	2.19E-08	1.97E-09	2.90E-08	4.34E-09	1.61E-08	1.41E-09	2.18E-08	4.92E-10	2.82E-09	3.36E-10	3.64E-09	4.47E-10	1.47E-09	1.02E-10	2.02E-09
6475	469545.23	3820473.93	5.17E-09	2.17E-08	1.95E-09	2.88E-08	4.30E-09	1.59E-08	1.40E-09	2.16E-08	4.88E-10	2.79E-09	3.33E-10	3.61E-09	4.44E-10	1.46E-09	1.01E-10	2.01E-09
6476	469536.35	3820470.09	5.13E-09	2.15E-08	1.94E-09	2.86E-08	4.27E-09	1.58E-08	1.39E-09	2.15E-08	4.84E-10	2.77E-09	3.31E-10	3.59E-09	4.40E-10	1.45E-09	1.00E-10	1.99E-09
6477	469527.46	3820466.25	5.08E-09	2.14E-08	1.92E-09	2.84E-08	4.24E-09	1.57E-08	1.38E-09	2.13E-08	4.80E-10	2.75E-09	3.28E-10	3.56E-09	4.37E-10	1.44E-09	9.92E-11	1.97E-09
6478	469518.58	3820462.41	5.05E-09	2.12E-08	1.91E-09	2.81E-08	4.20E-09	1.56E-08	1.37E-09	2.11E-08	4.76E-10	2.73E-09	3.25E-10	3.53E-09	4.33E-10	1.43E-09	9.85E-11	1.96E-09
6479	469509.7	3820458.57	5.01E-09	2.10E-08	1.89E-09	2.79E-08	4.17E-09	1.54E-08	1.36E-09	2.10E-08	4.73E-10	2.71E-09	3.23E-10	3.50E-09	4.30E-10	1.42E-09	9.77E-11	1.94E-09
6480	469500.81	3820454.73	4.97E-09	2.09E-08	1.88E-09	2.77E-08	4.14E-09	1.53E-08	1.35E-09	2.08E-08	4.69E-10	2.69E-09	3.20E-10	3.48E-09	4.27E-10	1.41E-09	9.70E-11	1.93E-09
6481	469491.93	3820450.88	4.93E-09	2.07E-08	1.86E-09	2.75E-08	4.11E-09	1.52E-08	1.34E-09	2.07E-08	4.66E-10	2.67E-09	3.18E-10	3.45E-09	4.23E-10	1.40E-09	9.62E-11	1.92E-09
6482	469483.04	3820447.04	4.89E-09	2.06E-08	1.85E-09	2.73E-08	4.08E-09	1.51E-08	1.33E-09	2.05E-08	4.62E-10	2.65E-09	3.16E-10	3.42E-09	4.20E-10	1.39E-09	9.55E-11	1.90E-09
6483	469474.16	3820443.2	4.86E-09	2.04E-08	1.84E-09	2.71E-08	4.05E-09	1.50E-08	1.32E-09	2.04E-08	4.59E-10	2.63E-09	3.13E-10	3.40E-09	4.17E-10	1.38E-09	9.48E-11	1.89E-09
6484	469465.28	3820439.36	4.82E-09	2.03E-08	1.82E-09	2.69E-08	4.02E-09	1.49E-08	1.31E-09	2.02E-08	4.55E-10	2.61E-09	3.11E-10	3.37E-09	4.14E-10	1.37E-09	9.41E-11	1.87E-09
6485	469456.39	3820435.52	4.79E-09	2.01E-08	1.81E-09	2.67E-08	3.99E-09	1.48E-08	1.30E-09	2.01E-08	4.52E-10	2.59E-09	3.09E-10	3.35E-09	4.11E-10	1.36E-09	9.34E-11	1.86E-09
6486	469447.51	3820431.68	4.75E-09	2.00E-08	1.80E-09	2.65E-08	3.96E-09	1.47E-08	1.29E-09	1.99E-08	4.49E-10	2.57E-09	3.06E-10	3.32E-09	4.08E-10	1.35E-09	9.27E-11	1.85E-09
6487	469438.62	3820427.83	4.72E-09	1.98E-08	1.78E-09	2.63E-08	3.93E-09	1.46E-08	1.28E-09	1.98E-08	4.45E-10	2.55E-09	3.04E-10	3.30E-09	4.05E-10	1.34E-09	9.20E-11	1.83E-09
6488	469429.74	3820423.99	4.68E-09	1.97E-08	1.77E-09	2.61E-08	3.90E-09	1.44E-08	1.27E-09	1.96E-08	4.42E-10	2.53E-09	3.02E-10	3.28E-09	4.02E-10	1.33E-09	9.14E-11	1.82E-09
6489	469420.86	3820420.15	4.65E-09	1.95E-08	1.76E-09	2.59E-08	3.87E-09	1.43E-08	1.26E-09	1.95E-08	4.39E-10	2.51E-09	3.00E-10	3.25E-09	3.99E-10	1.32E-09	9.07E-11	1.81E-09
6490	469411.97	3820416.31	4.61E-09	1.94E-08	1.75E-09	2.57E-08	3.84E-09	1.42E-08	1.25E-09	1.93E-08	4.36E-10	2.49E-09	2.98E-10	3.23E-09	3.96E-10	1.31E-09	9.00E-11	1.79E-09
6491	469403.09	3820412.47	4.58E-09	1.92E-08	1.73E-09	2.55E-08	3.82E-09	1.41E-08	1.24E-09	1.92E-08	4.33E-10	2.48E-09	2.95E-10	3.20E-09	3.93E-10	1.30E-09	8.94E-11	1.78E-09
6492	469394.2	3820408.62	4.55E-09	1.91E-08	1.72E-09	2.54E-08	3.79E-09	1.40E-08	1.23E-09	1.90E-08	4.29E-10	2.46E-09	2.93E-10	3.18E-09	3.90E-10	1.29E-09	8.87E-11	1.77E-09
6493	469385.32	3820404.78	4.51E-09	1.89E-08	1.71E-09	2.52E-08	3.76E-09	1.39E-08	1.22E-09	1.89E-08	4.26E-10	2.44E-09	2.91E-10	3.16E-09	3.87E-10	1.28E-09	8.80E-11	1.75E-09
6494	469376.44	3820400.94	4.48E-09	1.88E-08	1.69E-09	2.50E-08	3.73E-09	1.38E-08	1.22E-09	1.88E-08	4.23E-10	2.42E-09	2.89E-10	3.13E-09	3.84E-10	1.27E-09	8.73E-11	1.74E-09
6495	469367.55	3820397.1	4.44E-09	1.86E-08	1.68E-09	2.48E-08	3.70E-09	1.37E-08	1.21E-09	1.86E-08	4.19E-10	2.40E-09	2.86E-10	3.11E-09	3.81E-10	1.26E-09	8.66E-11	1.72E-09
6496	469358.67	3820393.26	4.40E-09	1.85E-08	1.67E-09	2.46E-08	3.67E-09	1.36E-08	1.20E-09	1.85E-08	4.16E-10	2.38E-09	2.84E-10	3.08E-09	3.78E-10	1.25E-09	8.59E-11	1.71E-09
6497	469349.78	3820389.42	4.37E-09	1.83E-08	1.65E-09	2.44E-08	3.64E-09	1.35E-08	1.19E-09	1.83E-08	4.13E-10	2.36E-09	2.82E-10	3.06E-09	3.75E-10	1.24E-09	8.52E-11	1.70E-09
6498	469340.9	3820385.57	4.33E-09	1.82E-08	1.64E-09	2.42E-08	3.61E-09	1.34E-08	1.18E-09	1.82E-08	4.09E-10	2.34E-09	2.79E-10	3.03E-09	3.72E-10	1.23E-09	8.45E-11	1.68E-09
6499	469332.02	3820381.73	4.30E-09	1.80E-08	1.62E-09	2.40E-08	3.58E-09	1.33E-08	1.17E-09	1.80E-08	4.06E-10	2.32E-09	2.77E-10	3.00E-09	3.69E-10	1.22E-09	8.38E-11	1.67E-09
6500	469323.13	3820377.89	4.26E-09	1.79E-08	1.61E-09	2.37E-08	3.55E-09	1.31E-08	1.16E-09	1.78E-08	4.02E-10	2.30E-09	2.75E-10	2.98E-09	3.65E-10	1.21E-09	8.31E-11	1.65E-09
6501	469314.25	3820374.05	4.22E-09	1.77E-08	1.60E-09	2.35E-08	3.51E-09	1.30E-08	1.15E-09	1.77E-08	3.98E-10	2.28E-09	2.72E-10	2.95E-09	3.62E-10	1.19E-09	8.23E-11	1.64E-09
6502	469305.36	3820370.21	4.18E-09	1.76E-08	1.58E-09	2.33E-08	3.48E-09	1.29E-08	1.13E-09	1.75E-08	3.95E-10	2.26E-09	2.70E-10	2.92E-09	3.59E-10	1.18E-09	8.16E-11	1.62E-09
6503	469296.48	3820366.37	4.14E-09	1.74E-08	1.57E-09	2.31E-08	3.45E-09	1.28E-08	1.12E-09	1.74E-08	3.91E-10	2.24E-09	2.67E-10	2.90E-09	3.55E-10	1.17E-09	8.08E-11	1.61E-09
6504	469269.83	3820354.84	4.02E-09	1.69E-08	1.52E-09	2.24E-08	3.35E-09	1.24E-08	1.09E-09	1.68E-08	3.80E-10	2.17E-09	2.59E-10	2.81E-09	3.45E-10	1.14E-09	7.85E-11	1.56E-09
6505	469260.94	3820351	3.98E-09	1.67E-08	1.50E-09	2.22E-08	3.31E-09	1.23E-08	1.08E-09	1.67E-08	3.76E-10	2.15E-09	2.57E-10	2.78E-09	3.42E-10	1.13E-09	7.76E-11	1.55E-09
6506	469252.06	3820347.16	3.94E-09	1.65E-08	1.49E-09	2.20E-08	3.28E-09	1.21E-08	1.07E-09	1.65E-08	3.72E-10	2.13E-09	2.54E-10	2.75E-09	3.38E-10	1.11E-09	7.68E-11	1.53E-09
6507	469243.18	3820343.32	3.89E-09	1.64E-08	1.47E-09	2.17E-08	3.24E-09	1.20E-08	1.06E-09	1.63E-08	3.68E-10	2.10E-09	2.51E-10	2.72E-09	3.34E-10	1.10E-09	7.60E-11	1.51E-09
6508	469234.29	3820339.47	3.85E-09	1.62E-08	1.46E-09	2.15E-08	3.21E-09	1.19E-08	1.05E-09	1.61E-08	3.64E-10	2.08E-09	2.48E-10	2.69E-09	3.31E-10	1.09E-09	7.51E-11	1.50E-09
6509	469225.41	3820335.63	3.81E-09	1.60E-08	1.44E-09	2.12E-08	3.17E-09	1.17E-08	1.03E-09	1.59E-08	3.59E-10	2.06E-09	2.45E-10	2.66E-09	3.27E-10	1.08E-09	7.43E-11	1.48E-09
6510	469216.52	3820331.79	3.76E-09	1.58E-08	1.42E-09	2.10E-08	3.13E-09	1.16E-08	1.02E-09	1.58E-08	3.55E-10	2.03E-09	2.43E-10	2.63E-09	3.23E-10	1.06E-09	7.34E-11	1.46E-09
6511	469207.64	3820327.95	3.72E-09	1.56E-08	1.41E-09	2.07E-08	3.10E-09	1.15E-08	1.01E-09	1.56E-08	3.51E-10	2.01E-09	2.40E-10	2.60E-09	3.19E-10	1.05E-09	7.25E-11	1.44E-09
6512	469195.22	3820315.1	3.66E-09	1.54E-08	1.38E-09	2.04E-08	3.05E-09	1.13E-08	9.93E-10	1.53E-08	3.45E-10	1.98E-09	2.36E-10	2.56E-09	3.14E-10	1.04E-09	7.14E-11	1.42E-09
6513	469191.68	3820306.09	3.64E-09	1.53E-08	1.38E-09	2.03E-08	3.04E-09	1.12E-08	9.89E-10	1.53E-08	3.44E-10	1.97E-09	2.35E-10	2.55E-09	3.13E-10	1.03E-09	7.11E-11	1.42E-09
6514	469188.14	3820297.08	3.63E-09	1.52E-08	1.37E-09	2.02E-08	3.02E-09	1.12E-08	9.85E-10	1.52E-08	3.43E-10	1.96E-09	2.34E-10	2.54E-09	3.12E-10	1.03E-09	7.08E-11	1.41E-09
6515	469184.6	3820288.07	3.61E-09	1.52E-08	1.37E-09	2.02E-08	3.01E-09	1.11E-08	9.81E-10	1.51E-08	3.41E-10	1.95E-09	2.33E-10	2.53E-09	3.10E-10	1.02E-09	7.05E-11	1.40E-09
6516	469181.06	3820279.06	3.60E-09	1.51E-08	1.36E-09	2.01E-08	2.99E-09	1.11E-08	9.76E-10	1.51E-08	3.40E-10	1.94E-09	2.32E-10	2.51E-09	3.09E-10	1.02E-09	7.02E-11	1.40E-09
6517	469177.53	3820270.05	3.58E-09	1.50E-08	1.35E-09	1.99E-08	2.98E-09	1.10E-08	9.71E-10	1.50E-08	3.38E-10	1.93E-09	2.31E-10	2.50E-09	3.07E-10	1.01E-09	6.98E-11	1.39E-09
6518	469173.99	3820261.04	3.56E-09	1.49E-08	1.34E-09	1.98E-08	2.96E-09	1.10E-08	9.65E-10	1.49E-08	3.36E-10	1.92E-09	2.29E-10	2.49E-09	3.05E-10	1.01E-09	6.94E-11	1.38E-09
6519	469170.45	3820252.03	3.53E-09	1.48E-08	1.34E-09	1.97E-08	2.94E-09	1.09E-08	9.60E-10	1.48E-08	3.34E-10	1.91E-09	2.28E-10	2.47E-09	3.03E-10	1.00E-09	6.90E-11	1.37E-09
6520	469166.91	3820243.02	3.51E-09	1.47E-08	1.33E-09	1.96E-08	2.92E-09	1.08E-08	9.53E-10	1.47E-08	3.32E-10	1.90E-09	2.26E-10	2.46E-09	3.01E-10	9.94E-10	6.85E-11	1.36E-09
6521	469163.37	3820234.01	3.49E-09	1.46E-08	1.32E-09	1.95E-08	2.90E-09	1.08E-08	9.47E-10	1.46E-08	3.29E-10	1.89E-09	2.25E-10	2.44E-09	2.99E-10	9.87E-10	6.80E-11	1.35E-09
6522	469159.84	3820225	3.46E-09	1.45E-08	1.31E-09	1.93E-08	2.88E-09	1.07E-08	9.40E-10	1.45E-08	3.27E-10	1.87E-09	2.23E-10	2.42E-09	2.97E-10	9.80E-10	6.76E-11	1.34E-09
6523	469156.3	3820216	3.44E-09	1.44E-08	1.30E-09	1.92E-08	2.86E-09	1.06E-08	9.33E-10	1.44E-08	3.24E-10	1.86E-09	2.22E-10	2.40E-09	2.95E-10	9.72E-10	6.70E-11	1.33E-09
6524	469152.76	3820206.99	3.41E-09	1.43E-08	1.29E-09	1.90E-08	2.84E-09	1.05E-08	9.25E-10	1.43E-08	3.22E-10	1.84E-09	2.20E-10	2.38E-09	2.93E-10	9.65E-10	6.65E-11	1.32E-09

6525	469149.22	3820197.98	3.38E-09	1.42E-08	1.28E-09	1.88E-08	2.81E-09	1.04E-08	9.17E-10	1.42E-08	3.19E-10	1.83E-09	2.18E-10	2.36E-09	2.90E-10	9.56E-10	6.59E-11	1.31E-09
6526	469145.68	3820188.97	3.35E-09	1.41E-08	1.27E-09	1.87E-08	2.79E-09	1.03E-08	9.09E-10	1.40E-08	3.16E-10	1.81E-09	2.16E-10	2.34E-09	2.87E-10	9.48E-10	6.53E-11	1.30E-09
6527	469142.15	3820179.96	3.32E-09	1.39E-08	1.25E-09	1.85E-08	2.76E-09	1.02E-08	9.01E-10	1.39E-08	3.13E-10	1.79E-09	2.14E-10	2.32E-09	2.85E-10	9.39E-10	6.47E-11	1.29E-09
6528	469138.61	3820170.95	3.29E-09	1.38E-08	1.24E-09	1.83E-08	2.74E-09	1.01E-08	8.92E-10	1.38E-08	3.10E-10	1.78E-09	2.12E-10	2.30E-09	2.82E-10	9.30E-10	6.41E-11	1.28E-09
6529	469135.07	3820161.94	3.25E-09	1.37E-08	1.23E-09	1.81E-08	2.71E-09	1.00E-08	8.82E-10	1.36E-08	3.07E-10	1.76E-09	2.10E-10	2.27E-09	2.79E-10	9.20E-10	6.34E-11	1.26E-09
6530	469131.53	3820152.93	3.22E-09	1.35E-08	1.22E-09	1.79E-08	2.68E-09	9.93E-09	8.73E-10	1.35E-08	3.04E-10	1.74E-09	2.07E-10	2.25E-09	2.76E-10	9.10E-10	6.28E-11	1.25E-09
6531	469127.99	3820143.92	3.18E-09	1.34E-08	1.20E-09	1.77E-08	2.65E-09	9.82E-09	8.63E-10	1.33E-08	3.00E-10	1.72E-09	2.05E-10	2.23E-09	2.73E-10	9.00E-10	6.21E-11	1.24E-09
6532	469124.46	3820134.91	3.14E-09	1.32E-08	1.19E-09	1.75E-08	2.62E-09	9.70E-09	8.53E-10	1.32E-08	2.97E-10	1.70E-09	2.03E-10	2.20E-09	2.70E-10	8.90E-10	6.13E-11	1.22E-09
6533	469120.92	3820125.9	3.11E-09	1.30E-08	1.17E-09	1.73E-08	2.59E-09	9.58E-09	8.43E-10	1.30E-08	2.93E-10	1.68E-09	2.00E-10	2.17E-09	2.67E-10	8.79E-10	6.06E-11	1.21E-09
6534	469117.38	3820116.89	3.07E-09	1.29E-08	1.16E-09	1.71E-08	2.56E-09	9.47E-09	8.33E-10	1.29E-08	2.90E-10	1.66E-09	1.98E-10	2.15E-09	2.63E-10	8.68E-10	5.99E-11	1.19E-09
6535	469113.84	3820107.88	3.03E-09	1.27E-08	1.15E-09	1.69E-08	2.52E-09	9.34E-09	8.22E-10	1.27E-08	2.86E-10	1.64E-09	1.95E-10	2.12E-09	2.60E-10	8.57E-10	5.91E-11	1.18E-09
6536	469110.3	3820098.87	2.99E-09	1.25E-08	1.13E-09	1.67E-08	2.49E-09	9.22E-09	8.11E-10	1.25E-08	2.82E-10	1.61E-09	1.93E-10	2.09E-09	2.56E-10	8.46E-10	5.83E-11	1.16E-09
6537	469106.77	3820089.87	2.95E-09	1.24E-08	1.11E-09	1.64E-08	2.45E-09	9.09E-09	8.00E-10	1.23E-08	2.78E-10	1.59E-09	1.90E-10	2.06E-09	2.53E-10	8.34E-10	5.75E-11	1.14E-09
6538	469103.23	3820080.86	2.90E-09	1.22E-08	1.10E-09	1.62E-08	2.42E-09	8.96E-09	7.89E-10	1.22E-08	2.74E-10	1.57E-09	1.87E-10	2.03E-09	2.49E-10	8.22E-10	5.67E-11	1.13E-09
6539	469099.69	3820071.85	2.86E-09	1.20E-08	1.08E-09	1.60E-08	2.38E-09	8.83E-09	7.77E-10	1.20E-08	2.70E-10	1.55E-09	1.85E-10	2.00E-09	2.46E-10	8.10E-10	5.59E-11	1.11E-09
6540	469096.15	3820062.84	2.82E-09	1.18E-08	1.07E-09	1.57E-08	2.35E-09	8.70E-09	7.65E-10	1.18E-08	2.66E-10	1.52E-09	1.82E-10	1.97E-09	2.42E-10	7.98E-10	5.50E-11	1.10E-09
6541	469074.92	3820008.78	2.55E-09	1.07E-08	9.64E-10	1.42E-08	2.12E-09	7.87E-09	6.92E-10	1.07E-08	2.41E-10	1.38E-09	1.64E-10	1.78E-09	2.19E-10	7.21E-10	4.97E-11	9.90E-10
6542	469071.39	3819999.77	2.50E-09	1.05E-08	9.46E-10	1.40E-08	2.08E-09	7.72E-09	6.79E-10	1.05E-08	2.36E-10	1.35E-09	1.61E-10	1.75E-09	2.15E-10	7.08E-10	4.88E-11	9.72E-10
6543	469067.85	3819990.76	2.46E-09	1.03E-08	9.29E-10	1.37E-08	2.05E-09	7.58E-09	6.67E-10	1.03E-08	2.32E-10	1.33E-09	1.58E-10	1.72E-09	2.11E-10	6.95E-10	4.79E-11	9.54E-10
6544	469064.31	3819981.75	2.41E-09	1.01E-08	9.10E-10	1.34E-08	2.00E-09	7.43E-09	6.53E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.68E-09	2.07E-10	6.81E-10	4.70E-11	9.35E-10
6545	469060.77	3819972.74	2.36E-09	9.90E-09	8.92E-10	1.32E-08	1.96E-09	7.28E-09	6.40E-10	9.88E-09	2.23E-10	1.27E-09	1.52E-10	1.65E-09	2.02E-10	6.67E-10	4.60E-11	9.16E-10
6546	469057.23	3819963.73	2.31E-09	9.71E-09	8.74E-10	1.29E-08	1.93E-09	7.13E-09	6.27E-10	9.69E-09	2.18E-10	1.25E-09	1.49E-10	1.62E-09	1.98E-10	6.54E-10	4.51E-11	8.98E-10
6547	469053.7	3819954.73	2.26E-09	9.51E-09	8.56E-10	1.26E-08	1.89E-09	6.99E-09	6.15E-10	9.49E-09	2.14E-10	1.22E-09	1.46E-10	1.58E-09	1.94E-10	6.41E-10	4.42E-11	8.79E-10
6548	469050.16	3819945.72	2.22E-09	9.31E-09	8.39E-10	1.24E-08	1.85E-09	6.84E-09	6.02E-10	9.29E-09	2.09E-10	1.20E-09	1.43E-10	1.55E-09	1.90E-10	6.28E-10	4.33E-11	8.61E-10
6549	469046.62	3819936.71	2.17E-09	9.11E-09	8.21E-10	1.21E-08	1.81E-09	6.70E-09	5.89E-10	9.09E-09	2.05E-10	1.17E-09	1.40E-10	1.52E-09	1.86E-10	6.14E-10	4.23E-11	8.43E-10
6550	469043.08	3819927.7	2.12E-09	8.92E-09	8.03E-10	1.18E-08	1.77E-09	6.55E-09	5.76E-10	8.90E-09	2.01E-10	1.15E-09	1.37E-10	1.49E-09	1.82E-10	6.01E-10	4.14E-11	8.25E-10
6551	469039.54	3819918.69	2.08E-09	8.72E-09	7.85E-10	1.16E-08	1.73E-09	6.41E-09	5.64E-10	8.70E-09	1.96E-10	1.12E-09	1.34E-10	1.45E-09	1.78E-10	5.88E-10	4.05E-11	8.06E-10
6552	469036.01	3819909.68	2.03E-09	8.52E-09	7.67E-10	1.13E-08	1.69E-09	6.26E-09	5.51E-10	8.50E-09	1.92E-10	1.10E-09	1.31E-10	1.42E-09	1.74E-10	5.74E-10	3.96E-11	7.88E-10
6553	469032.47	3819900.67	1.98E-09	8.32E-09	7.49E-10	1.10E-08	1.65E-09	6.11E-09	5.38E-10	8.30E-09	1.87E-10	1.07E-09	1.28E-10	1.39E-09	1.70E-10	5.61E-10	3.87E-11	7.69E-10
6554	469028.93	3819891.66	1.93E-09	8.12E-09	7.31E-10	1.08E-08	1.61E-09	5.97E-09	5.25E-10	8.10E-09	1.83E-10	1.05E-09	1.25E-10	1.35E-09	1.66E-10	5.47E-10	3.77E-11	7.51E-10
6555	469025.39	3819882.65	1.89E-09	7.92E-09	7.14E-10	1.05E-08	1.57E-09	5.82E-09	5.12E-10	7.91E-09	1.78E-10	1.02E-09	1.22E-10	1.32E-09	1.62E-10	5.34E-10	3.68E-11	7.33E-10
6556	469021.85	3819873.64	1.84E-09	7.73E-09	6.96E-10	1.03E-08	1.53E-09	5.68E-09	5.00E-10	7.72E-09	1.74E-10	9.96E-10	1.19E-10	1.29E-09	1.58E-10	5.21E-10	3.59E-11	7.15E-10
6557	469018.32	3819864.63	1.80E-09	7.55E-09	6.80E-10	1.00E-08	1.50E-09	5.55E-09	4.88E-10	7.53E-09	1.70E-10	9.72E-10	1.16E-10	1.26E-09	1.54E-10	5.09E-10	3.51E-11	6.98E-10
6558	469014.78	3819855.62	1.75E-09	7.36E-09	6.63E-10	9.78E-09	1.46E-09	5.41E-09	4.76E-10	7.35E-09	1.66E-10	9.48E-10	1.13E-10	1.23E-09	1.50E-10	4.96E-10	3.42E-11	6.81E-10
6559	469011.24	3819846.61	1.71E-09	7.18E-09	6.47E-10	9.54E-09	1.42E-09	5.28E-09	4.64E-10	7.16E-09	1.61E-10	9.24E-10	1.10E-10	1.20E-09	1.47E-10	4.84E-10	3.34E-11	6.64E-10
6560	469007.7	3819837.6	1.67E-09	7.00E-09	6.30E-10	9.30E-09	1.39E-09	5.14E-09	4.52E-10	6.98E-09	1.57E-10	9.01E-10	1.07E-10	1.17E-09	1.43E-10	4.72E-10	3.25E-11	6.47E-10
6561	469004.16	3819828.6	1.62E-09	6.82E-09	6.14E-10	9.06E-09	1.35E-09	5.01E-09	4.41E-10	6.81E-09	1.53E-10	8.78E-10	1.05E-10	1.14E-09	1.39E-10	4.60E-10	3.17E-11	6.31E-10
6562	469000.63	3819819.59	1.58E-09	6.65E-09	5.99E-10	8.83E-09	1.32E-09	4.88E-09	4.30E-10	6.63E-09	1.49E-10	8.56E-10	1.02E-10	1.11E-09	1.36E-10	4.48E-10	3.09E-11	6.15E-10
6563	468997.09	3819810.58	1.54E-09	6.47E-09	5.83E-10	8.60E-09	1.28E-09	4.76E-09	4.19E-10	6.46E-09	1.46E-10	8.33E-10	9.94E-11	1.08E-09	1.32E-10	4.36E-10	3.01E-11	5.99E-10
6564	468993.55	3819801.57	1.50E-09	6.30E-09	5.68E-10	8.37E-09	1.25E-09	4.63E-09	4.08E-10	6.29E-09	1.42E-10	8.12E-10	9.68E-11	1.05E-09	1.29E-10	4.25E-10	2.93E-11	5.83E-10
6565	468990.01	3819792.56	1.46E-09	6.13E-09	5.52E-10	8.15E-09	1.22E-09	4.51E-09	3.97E-10	6.12E-09	1.38E-10	7.90E-10	9.42E-11	1.02E-09	1.25E-10	4.13E-10	2.85E-11	5.67E-10
6566	468986.47	3819783.55	1.42E-09	5.97E-09	5.38E-10	7.93E-09	1.18E-09	4.39E-09	3.86E-10	5.96E-09	1.34E-10	7.69E-10	9.17E-11	9.94E-10	1.22E-10	4.02E-10	2.77E-11	5.52E-10
6567	468982.94	3819774.54	1.38E-09	5.81E-09	5.23E-10	7.72E-09	1.15E-09	4.27E-09	3.75E-10	5.80E-09	1.31E-10	7.48E-10	8.92E-11	9.68E-10	1.19E-10	3.92E-10	2.70E-11	5.37E-10
6568	468979.4	3819765.53	1.35E-09	5.65E-09	5.09E-10	7.51E-09	1.12E-09	4.15E-09	3.65E-10	5.64E-09	1.27E-10	7.28E-10	8.68E-11	9.42E-10	1.16E-10	3.81E-10	2.63E-11	5.23E-10
6569	468975.86	3819756.52	1.31E-09	5.50E-09	4.95E-10	7.31E-09	1.09E-09	4.04E-09	3.56E-10	5.49E-09	1.24E-10	7.08E-10	8.45E-11	9.16E-10	1.12E-10	3.71E-10	2.56E-11	5.09E-10
6570	468972.32	3819747.51	1.27E-09	5.35E-09	4.82E-10	7.11E-09	1.06E-09	3.93E-09	3.46E-10	5.34E-09	1.20E-10	6.89E-10	8.22E-11	8.92E-10	1.09E-10	3.61E-10	2.49E-11	4.95E-10
6571	468968.78	3819738.5	1.24E-09	5.21E-09	4.69E-10	6.92E-09	1.03E-09	3.83E-09	3.37E-10	5.20E-09	1.17E-10	6.71E-10	8.00E-11	8.68E-10	1.06E-10	3.51E-10	2.42E-11	4.82E-10
6572	468965.25	3819729.49	1.21E-09	5.07E-09	4.57E-10	6.74E-09	1.01E-09	3.73E-09	3.28E-10	5.06E-09	1.14E-10	6.53E-10	7.79E-11	8.45E-10	1.04E-10	3.42E-10	2.36E-11	4.69E-10
6573	468961.71	3819720.48	1.18E-09	4.94E-09	4.44E-10	6.56E-09	9.79E-10	3.63E-09	3.19E-10	4.92E-09	1.11E-10	6.35E-10	7.58E-11	8.22E-10	1.01E-10	3.33E-10	2.29E-11	4.57E-10
6574	468958.17	3819711.47	1.14E-09	4.80E-09	4.33E-10	6.38E-09	9.53E-10	3.53E-09	3.10E-10	4.79E-09	1.08E-10	6.18E-10	7.38E-11	8.00E-10	9.82E-11	3.24E-10	2.23E-11	4.44E-10
6575	468954.63	3819702.47	1.11E-09	4.68E-09	4.21E-10	6.21E-09	9.27E-10	3.44E-09	3.02E-10	4.67E-09	1.05E-10	6.02E-10	7.18E-11	7.79E-10	9.56E-11	3.15E-10	2.17E-11	4.33E-10

6576	468951.09	3819693.46	1.08E-09	4.55E-09	4.10E-10	6.04E-09	9.02E-10	3.34E-09	2.94E-10	4.54E-09	1.02E-10	5.86E-10	6.99E-11	7.58E-10	9.30E-11	3.07E-10	2.11E-11	4.21E-10
6577	468947.56	3819684.45	1.05E-09	4.43E-09	3.99E-10	5.88E-09	8.78E-10	3.25E-09	2.86E-10	4.42E-09	9.95E-11	5.70E-10	6.80E-11	7.37E-10	9.05E-11	2.98E-10	2.06E-11	4.09E-10
6578	468944.02	3819675.44	1.03E-09	4.30E-09	3.88E-10	5.72E-09	8.54E-10	3.16E-09	2.78E-10	4.30E-09	9.68E-11	5.54E-10	6.61E-11	7.17E-10	8.80E-11	2.90E-10	2.00E-11	3.98E-10
6579	468940.48	3819666.43	9.98E-10	4.19E-09	3.78E-10	5.57E-09	8.32E-10	3.08E-09	2.71E-10	4.18E-09	9.43E-11	5.40E-10	6.44E-11	6.98E-10	8.57E-11	2.83E-10	1.95E-11	3.88E-10
6580	468936.94	3819657.42	9.72E-10	4.08E-09	3.68E-10	5.42E-09	8.10E-10	3.00E-09	2.64E-10	4.07E-09	9.18E-11	5.26E-10	6.27E-11	6.80E-10	8.35E-11	2.75E-10	1.90E-11	3.78E-10
6581	468933.4	3819648.41	9.48E-10	3.98E-09	3.58E-10	5.28E-09	7.89E-10	2.92E-09	2.57E-10	3.97E-09	8.95E-11	5.12E-10	6.11E-11	6.63E-10	8.13E-11	2.68E-10	1.85E-11	3.68E-10
6582	468929.87	3819639.4	9.23E-10	3.88E-09	3.49E-10	5.15E-09	7.69E-10	2.85E-09	2.51E-10	3.87E-09	8.72E-11	4.99E-10	5.96E-11	6.46E-10	7.93E-11	2.61E-10	1.80E-11	3.59E-10
6583	468926.33	3819630.39	9.00E-10	3.78E-09	3.40E-10	5.02E-09	7.50E-10	2.78E-09	2.44E-10	3.77E-09	8.50E-11	4.87E-10	5.81E-11	6.30E-10	7.73E-11	2.55E-10	1.76E-11	3.50E-10
6584	468922.79	3819621.38	8.78E-10	3.69E-09	3.32E-10	4.90E-09	7.32E-10	2.71E-09	2.38E-10	3.68E-09	8.29E-11	4.75E-10	5.66E-11	6.14E-10	7.54E-11	2.49E-10	1.71E-11	3.41E-10
6585	468919.25	3819612.37	8.56E-10	3.60E-09	3.24E-10	4.78E-09	7.13E-10	2.64E-09	2.32E-10	3.59E-09	8.09E-11	4.63E-10	5.52E-11	5.99E-10	7.35E-11	2.42E-10	1.67E-11	3.33E-10
6586	468915.71	3819603.36	8.35E-10	3.51E-09	3.16E-10	4.66E-09	6.95E-10	2.58E-09	2.27E-10	3.50E-09	7.88E-11	4.51E-10	5.39E-11	5.84E-10	7.17E-11	2.36E-10	1.63E-11	3.24E-10
6587	468912.17	3819594.35	8.14E-10	3.42E-09	3.08E-10	4.54E-09	6.78E-10	2.51E-09	2.21E-10	3.41E-09	7.69E-11	4.40E-10	5.25E-11	5.70E-10	6.99E-11	2.31E-10	1.59E-11	3.16E-10
6588	468908.64	3819585.34	7.95E-10	3.34E-09	3.00E-10	4.43E-09	6.62E-10	2.45E-09	2.16E-10	3.33E-09	7.50E-11	4.30E-10	5.12E-11	5.56E-10	6.82E-11	2.25E-10	1.55E-11	3.09E-10
6589	468905.1	3819576.33	7.77E-10	3.26E-09	2.94E-10	4.33E-09	6.47E-10	2.40E-09	2.11E-10	3.25E-09	7.33E-11	4.20E-10	5.01E-11	5.43E-10	6.67E-11	2.20E-10	1.52E-11	3.02E-10
6590	468901.56	3819567.33	7.59E-10	3.19E-09	2.87E-10	4.23E-09	6.32E-10	2.34E-09	2.06E-10	3.18E-09	7.17E-11	4.10E-10	4.89E-11	5.31E-10	6.51E-11	2.15E-10	1.48E-11	2.95E-10
6591	468898.02	3819558.32	7.42E-10	3.12E-09	2.81E-10	4.14E-09	6.18E-10	2.29E-09	2.02E-10	3.11E-09	7.01E-11	4.01E-10	4.79E-11	5.19E-10	6.37E-11	2.10E-10	1.45E-11	2.88E-10
6592	468894.48	3819549.31	7.27E-10	3.05E-09	2.75E-10	4.05E-09	6.05E-10	2.24E-09	1.97E-10	3.04E-09	6.86E-11	3.93E-10	4.69E-11	5.08E-10	6.24E-11	2.06E-10	1.42E-11	2.82E-10
6593	468890.95	3819540.3	7.11E-10	2.99E-09	2.69E-10	3.96E-09	5.92E-10	2.19E-09	1.93E-10	2.98E-09	6.71E-11	3.84E-10	4.58E-11	4.97E-10	6.10E-11	2.01E-10	1.39E-11	2.76E-10
6594	468887.41	3819531.29	6.96E-10	2.92E-09	2.63E-10	3.88E-09	5.80E-10	2.15E-09	1.89E-10	2.92E-09	6.58E-11	3.76E-10	4.49E-11	4.87E-10	5.98E-11	1.97E-10	1.36E-11	2.70E-10
6595	468883.87	3819522.28	6.39E-10	2.68E-09	2.42E-10	3.56E-09	5.32E-10	1.97E-09	1.73E-10	2.68E-09	6.03E-11	3.45E-10	4.12E-11	4.47E-10	5.48E-11	1.81E-10	1.25E-11	2.48E-10
6596	468880.33	3819513.27	6.26E-10	2.63E-09	2.37E-10	3.49E-09	5.21E-10	1.93E-09	1.70E-10	2.62E-09	5.91E-11	3.38E-10	4.04E-11	4.38E-10	5.37E-11	1.77E-10	1.22E-11	2.43E-10
6597	468876.79	3819504.26	6.15E-10	2.58E-09	2.32E-10	3.43E-09	5.12E-10	1.90E-09	1.67E-10	2.58E-09	5.81E-11	3.32E-10	3.97E-11	4.30E-10	5.28E-11	1.74E-10	1.20E-11	2.39E-10
6598	468873.26	3819495.25	6.04E-10	2.54E-09	2.29E-10	3.37E-09	5.03E-10	1.87E-09	1.64E-10	2.53E-09	5.71E-11	3.27E-10	3.90E-11	4.23E-10	5.19E-11	1.71E-10	1.18E-11	2.35E-10
6599	468869.72	3819486.24	5.97E-10	2.51E-09	2.26E-10	3.33E-09	4.97E-10	1.84E-09	1.62E-10	2.50E-09	5.64E-11	3.23E-10	3.85E-11	4.18E-10	5.12E-11	1.69E-10	1.16E-11	2.32E-10
6600	468866.18	3819477.23	5.89E-10	2.48E-09	2.23E-10	3.29E-09	4.91E-10	1.82E-09	1.60E-10	2.47E-09	5.57E-11	3.19E-10	3.80E-11	4.12E-10	5.06E-11	1.67E-10	1.15E-11	2.29E-10
6601	468862.64	3819468.22	5.83E-10	2.45E-09	2.20E-10	3.25E-09	4.85E-10	1.80E-09	1.58E-10	2.44E-09	5.50E-11	3.15E-10	3.76E-11	4.07E-10	5.00E-11	1.65E-10	1.14E-11	2.26E-10
6602	468859.1	3819459.21	5.76E-10	2.42E-09	2.18E-10	3.21E-09	4.80E-10	1.78E-09	1.56E-10	2.41E-09	5.44E-11	3.12E-10	3.72E-11	4.03E-10	4.95E-11	1.63E-10	1.12E-11	2.24E-10
6603	468855.57	3819450.2	5.69E-10	2.39E-09	2.15E-10	3.18E-09	4.74E-10	1.76E-09	1.55E-10	2.39E-09	5.38E-11	3.08E-10	3.67E-11	3.98E-10	4.89E-11	1.61E-10	1.11E-11	2.21E-10
6604	468852.03	3819441.2	5.63E-10	2.37E-09	2.13E-10	3.14E-09	4.69E-10	1.74E-09	1.53E-10	2.36E-09	5.32E-11	3.05E-10	3.63E-11	3.94E-10	4.84E-11	1.59E-10	1.10E-11	2.19E-10
6605	468848.49	3819432.19	5.56E-10	2.34E-09	2.10E-10	3.10E-09	4.63E-10	1.72E-09	1.51E-10	2.33E-09	5.25E-11	3.01E-10	3.59E-11	3.89E-10	4.78E-11	1.58E-10	1.09E-11	2.16E-10
6606	470087.16	3820708.28	6.05E-09	2.54E-08	2.29E-09	3.38E-08	5.04E-09	1.87E-08	1.64E-09	2.54E-08	5.72E-10	3.27E-09	3.90E-10	4.23E-09	5.20E-10	1.71E-09	1.18E-10	2.35E-09
6607	470096.86	3820708.41	6.02E-09	2.53E-08	2.28E-09	3.36E-08	5.01E-09	1.86E-08	1.63E-09	2.52E-08	5.68E-10	3.25E-09	3.88E-10	4.21E-09	5.17E-10	1.70E-09	1.17E-10	2.34E-09
6608	470106.56	3820708.55	5.98E-09	2.51E-08	2.26E-09	3.33E-08	4.98E-09	1.84E-08	1.62E-09	2.51E-08	5.65E-10	3.23E-09	3.86E-10	4.18E-09	5.13E-10	1.69E-09	1.17E-10	2.32E-09
6609	470116.25	3820708.68	5.94E-09	2.49E-08	2.25E-09	3.31E-08	4.95E-09	1.83E-08	1.61E-09	2.49E-08	5.61E-10	3.21E-09	3.83E-10	4.15E-09	5.10E-10	1.68E-09	1.16E-10	2.31E-09
6610	470125.95	3820708.82	5.90E-09	2.48E-08	2.23E-09	3.29E-08	4.91E-09	1.82E-08	1.60E-09	2.47E-08	5.57E-10	3.19E-09	3.80E-10	4.12E-09	5.06E-10	1.67E-09	1.15E-10	2.29E-09
6611	470135.65	3820708.95	5.85E-09	2.46E-08	2.21E-09	3.26E-08	4.87E-09	1.81E-08	1.59E-09	2.45E-08	5.53E-10	3.16E-09	3.77E-10	4.09E-09	5.02E-10	1.66E-09	1.14E-10	2.27E-09
6612	470145.34	3820709.09	5.81E-09	2.44E-08	2.20E-09	3.24E-08	4.84E-09	1.79E-08	1.58E-09	2.43E-08	5.48E-10	3.14E-09	3.75E-10	4.06E-09	4.99E-10	1.64E-09	1.13E-10	2.26E-09
6613	470155.04	3820709.22	5.76E-09	2.42E-08	2.18E-09	3.21E-08	4.80E-09	1.78E-08	1.56E-09	2.41E-08	5.44E-10	3.11E-09	3.72E-10	4.03E-09	4.94E-10	1.63E-09	1.12E-10	2.24E-09
6614	470164.74	3820709.36	5.71E-09	2.40E-08	2.16E-09	3.19E-08	4.76E-09	1.76E-08	1.55E-09	2.39E-08	5.39E-10	3.09E-09	3.68E-10	4.00E-09	4.90E-10	1.62E-09	1.11E-10	2.22E-09
6615	470174.44	3820709.49	5.66E-09	2.38E-08	2.14E-09	3.16E-08	4.72E-09	1.75E-08	1.54E-09	2.37E-08	5.35E-10	3.06E-09	3.65E-10	3.96E-09	4.86E-10	1.60E-09	1.11E-10	2.20E-09
6616	470184.13	3820709.63	5.62E-09	2.36E-08	2.12E-09	3.13E-08	4.68E-09	1.73E-08	1.52E-09	2.35E-08	5.30E-10	3.04E-09	3.62E-10	3.93E-09	4.82E-10	1.59E-09	1.10E-10	2.18E-09
6617	470193.83	3820709.76	5.57E-09	2.34E-08	2.11E-09	3.10E-08	4.64E-09	1.72E-08	1.51E-09	2.33E-08	5.26E-10	3.01E-09	3.59E-10	3.89E-09	4.78E-10	1.58E-09	1.09E-10	2.16E-09
6618	470203.53	3820709.9	5.52E-09	2.32E-08	2.09E-09	3.08E-08	4.59E-09	1.70E-08	1.50E-09	2.31E-08	5.21E-10	2.98E-09	3.56E-10	3.86E-09	4.74E-10	1.56E-09	1.08E-10	2.14E-09
6619	470213.22	3820710.03	5.47E-09	2.30E-08	2.07E-09	3.05E-08	4.55E-09	1.69E-08	1.48E-09	2.29E-08	5.16E-10	2.96E-09	3.53E-10	3.82E-09	4.69E-10	1.55E-09	1.07E-10	2.12E-09
6620	470222.92	3820710.17	5.42E-09	2.28E-08	2.05E-09	3.02E-08	4.51E-09	1.67E-08	1.47E-09	2.27E-08	5.12E-10	2.93E-09	3.49E-10	3.79E-09	4.65E-10	1.53E-09	1.06E-10	2.10E-09
6621	470232.62	3820710.3	5.37E-09	2.25E-08	2.03E-09	2.99E-08	4.47E-09	1.66E-08	1.46E-09	2.25E-08	5.07E-10	2.90E-09	3.46E-10	3.76E-09	4.61E-10	1.52E-09	1.05E-10	2.09E-09
6622	470242.32	3820710.44	5.32E-09	2.23E-08	2.01E-09	2.97E-08	4.43E-09	1.64E-08	1.44E-09	2.23E-08	5.02E-10	2.88E-09	3.43E-10	3.72E-09	4.57E-10	1.51E-09	1.04E-10	2.07E-09
6623	470252.01	3820710.57	5.27E-09	2.21E-08	1.99E-09	2.94E-08	4.39E-09	1.63E-08	1.43E-09	2.21E-08	4.98E-10	2.85E-09	3.40E-10	3.69E-09	4.52E-10	1.49E-09	1.03E-10	2.05E-09
6624	470261.71	3820710.71	5.22E-09	2.19E-08	1.98E-09	2.91E-08	4.35E-09	1.61E-08	1.42E-09	2.19E-08	4.93E-10	2.82E-09	3.37E-10	3.65E-09	4.48E-10	1.48E-09	1.02E-10	2.03E-09
6625	470077.22	3820784.45	5.53E-09	2.32E-08	2.09E-09	3.09E-08	4.61E-09	1.71E-08	1.50E-09	2.32E-08	5.23E-10	2.99E-09	3.57E-10	3.87E-09	4.75E-10	1.57E-09	1.08E-10	2.15E-09
6626	470068.39	3820780.63	5.59E-09	2.35E-08	2.11E-09	3.12E-08	4.65E-09	1.72E-08	1.52E-09	2.34E-08	5.28E-10	3.02E-09	3.60E-10	3.91E-09	4.80E-10	1.58E-09	1.09E-10	2.17E-09

6627	470059.56	3820776.82	5.64E-09	2.37E-08	2.13E-09	3.14E-08	4.70E-09	1.74E-08	1.53E-09	2.36E-08	5.32E-10	3.05E-09	3.64E-10	3.94E-09	4.84E-10	1.60E-09	1.10E-10	2.19E-09
6628	470050.73	3820773	5.69E-09	2.39E-08	2.15E-09	3.17E-08	4.74E-09	1.76E-08	1.54E-09	2.38E-08	5.37E-10	3.08E-09	3.67E-10	3.98E-09	4.88E-10	1.61E-09	1.11E-10	2.21E-09
6629	470041.9	3820769.18	5.74E-09	2.41E-08	2.17E-09	3.20E-08	4.78E-09	1.77E-08	1.56E-09	2.40E-08	5.42E-10	3.10E-09	3.70E-10	4.01E-09	4.93E-10	1.62E-09	1.12E-10	2.23E-09
6630	470033.07	3820765.36	5.78E-09	2.43E-08	2.19E-09	3.23E-08	4.82E-09	1.78E-08	1.57E-09	2.42E-08	5.46E-10	3.13E-09	3.73E-10	4.05E-09	4.97E-10	1.64E-09	1.13E-10	2.25E-09
6631	470024.24	3820761.54	5.83E-09	2.45E-08	2.20E-09	3.25E-08	4.86E-09	1.80E-08	1.58E-09	2.44E-08	5.51E-10	3.15E-09	3.76E-10	4.08E-09	5.00E-10	1.65E-09	1.14E-10	2.26E-09
6632	470015.41	3820757.72	5.87E-09	2.47E-08	2.22E-09	3.28E-08	4.89E-09	1.81E-08	1.59E-09	2.46E-08	5.55E-10	3.17E-09	3.79E-10	4.11E-09	5.04E-10	1.66E-09	1.15E-10	2.28E-09
6633	470006.58	3820753.91	5.91E-09	2.48E-08	2.24E-09	3.30E-08	4.92E-09	1.82E-08	1.60E-09	2.48E-08	5.58E-10	3.20E-09	3.81E-10	4.14E-09	5.07E-10	1.67E-09	1.15E-10	2.30E-09
6634	469997.75	3820750.09	5.95E-09	2.50E-08	2.25E-09	3.32E-08	4.95E-09	1.84E-08	1.61E-09	2.49E-08	5.62E-10	3.22E-09	3.84E-10	4.16E-09	5.11E-10	1.68E-09	1.16E-10	2.31E-09
6635	469988.92	3820746.27	5.98E-09	2.51E-08	2.26E-09	3.34E-08	4.98E-09	1.85E-08	1.62E-09	2.51E-08	5.65E-10	3.23E-09	3.86E-10	4.18E-09	5.13E-10	1.69E-09	1.17E-10	2.32E-09
6636	469980.09	3820742.45	6.01E-09	2.52E-08	2.27E-09	3.35E-08	5.01E-09	1.86E-08	1.63E-09	2.52E-08	5.68E-10	3.25E-09	3.88E-10	4.21E-09	5.16E-10	1.70E-09	1.17E-10	2.34E-09
6637	469971.26	3820738.63	6.04E-09	2.54E-08	2.28E-09	3.37E-08	5.03E-09	1.86E-08	1.64E-09	2.53E-08	5.70E-10	3.27E-09	3.90E-10	4.23E-09	5.19E-10	1.71E-09	1.18E-10	2.35E-09
6638	469962.43	3820734.81	6.07E-09	2.55E-08	2.29E-09	3.38E-08	5.05E-09	1.87E-08	1.65E-09	2.54E-08	5.73E-10	3.28E-09	3.91E-10	4.24E-09	5.21E-10	1.72E-09	1.18E-10	2.36E-09
6639	469953.6	3820731	6.09E-09	2.56E-08	2.30E-09	3.40E-08	5.07E-09	1.88E-08	1.65E-09	2.55E-08	5.75E-10	3.29E-09	3.93E-10	4.26E-09	5.23E-10	1.72E-09	1.19E-10	2.37E-09
6640	469944.77	3820727.18	6.11E-09	2.57E-08	2.31E-09	3.41E-08	5.09E-09	1.89E-08	1.66E-09	2.56E-08	5.77E-10	3.30E-09	3.94E-10	4.28E-09	5.25E-10	1.73E-09	1.19E-10	2.37E-09
6641	469935.94	3820723.36	6.13E-09	2.57E-08	2.32E-09	3.42E-08	5.11E-09	1.89E-08	1.66E-09	2.57E-08	5.79E-10	3.31E-09	3.95E-10	4.29E-09	5.26E-10	1.74E-09	1.20E-10	2.38E-09
6642	469927.11	3820719.54	6.14E-09	2.58E-08	2.32E-09	3.43E-08	5.12E-09	1.90E-08	1.67E-09	2.57E-08	5.80E-10	3.32E-09	3.96E-10	4.30E-09	5.28E-10	1.74E-09	1.20E-10	2.39E-09
6643	469918.28	3820715.72	6.16E-09	2.59E-08	2.33E-09	3.43E-08	5.13E-09	1.90E-08	1.67E-09	2.58E-08	5.81E-10	3.33E-09	3.97E-10	4.31E-09	5.29E-10	1.74E-09	1.20E-10	2.39E-09
6644	469909.45	3820711.9	6.16E-09	2.59E-08	2.33E-09	3.44E-08	5.13E-09	1.90E-08	1.67E-09	2.58E-08	5.82E-10	3.33E-09	3.98E-10	4.31E-09	5.29E-10	1.74E-09	1.20E-10	2.39E-09
6645	469900.62	3820708.09	6.17E-09	2.59E-08	2.33E-09	3.44E-08	5.14E-09	1.90E-08	1.67E-09	2.59E-08	5.83E-10	3.34E-09	3.98E-10	4.32E-09	5.30E-10	1.75E-09	1.20E-10	2.40E-09
6646	469891.79	3820704.27	6.17E-09	2.59E-08	2.33E-09	3.44E-08	5.14E-09	1.90E-08	1.68E-09	2.59E-08	5.83E-10	3.34E-09	3.98E-10	4.32E-09	5.30E-10	1.75E-09	1.20E-10	2.40E-09
6647	469882.96	3820700.45	6.17E-09	2.59E-08	2.33E-09	3.44E-08	5.14E-09	1.90E-08	1.67E-09	2.58E-08	5.83E-10	3.33E-09	3.98E-10	4.32E-09	5.30E-10	1.75E-09	1.20E-10	2.40E-09
6648	469874.13	3820696.63	6.16E-09	2.59E-08	2.33E-09	3.44E-08	5.13E-09	1.90E-08	1.67E-09	2.58E-08	5.82E-10	3.33E-09	3.98E-10	4.31E-09	5.29E-10	1.74E-09	1.20E-10	2.39E-09
6649	469865.3	3820692.81	6.16E-09	2.59E-08	2.33E-09	3.43E-08	5.13E-09	1.90E-08	1.67E-09	2.58E-08	5.81E-10	3.33E-09	3.97E-10	4.31E-09	5.28E-10	1.74E-09	1.20E-10	2.39E-09
6650	469856.47	3820688.99	6.15E-09	2.58E-08	2.32E-09	3.43E-08	5.12E-09	1.90E-08	1.67E-09	2.58E-08	5.80E-10	3.32E-09	3.96E-10	4.30E-09	5.28E-10	1.74E-09	1.20E-10	2.39E-09
6651	469847.64	3820685.17	6.13E-09	2.58E-08	2.32E-09	3.42E-08	5.11E-09	1.89E-08	1.66E-09	2.57E-08	5.79E-10	3.32E-09	3.96E-10	4.29E-09	5.26E-10	1.74E-09	1.20E-10	2.38E-09
6652	469838.81	3820681.36	6.12E-09	2.57E-08	2.31E-09	3.41E-08	5.09E-09	1.89E-08	1.66E-09	2.56E-08	5.78E-10	3.31E-09	3.94E-10	4.28E-09	5.25E-10	1.73E-09	1.19E-10	2.38E-09
6653	469829.98	3820677.54	6.10E-09	2.56E-08	2.31E-09	3.40E-08	5.08E-09	1.88E-08	1.66E-09	2.55E-08	5.76E-10	3.30E-09	3.93E-10	4.26E-09	5.23E-10	1.73E-09	1.19E-10	2.37E-09
6654	469821.15	3820673.72	6.07E-09	2.55E-08	2.30E-09	3.39E-08	5.06E-09	1.87E-08	1.65E-09	2.55E-08	5.74E-10	3.28E-09	3.92E-10	4.25E-09	5.21E-10	1.72E-09	1.19E-10	2.36E-09
6655	469812.32	3820669.9	6.05E-09	2.54E-08	2.29E-09	3.37E-08	5.04E-09	1.87E-08	1.64E-09	2.54E-08	5.71E-10	3.27E-09	3.90E-10	4.23E-09	5.19E-10	1.71E-09	1.18E-10	2.35E-09
6656	469803.49	3820666.08	6.02E-09	2.53E-08	2.28E-09	3.36E-08	5.02E-09	1.86E-08	1.64E-09	2.52E-08	5.69E-10	3.26E-09	3.89E-10	4.21E-09	5.17E-10	1.70E-09	1.18E-10	2.34E-09
6657	469794.66	3820662.26	5.99E-09	2.52E-08	2.27E-09	3.34E-08	4.99E-09	1.85E-08	1.63E-09	2.51E-08	5.66E-10	3.24E-09	3.87E-10	4.19E-09	5.15E-10	1.70E-09	1.17E-10	2.33E-09
6658	469785.83	3820658.45	5.96E-09	2.50E-08	2.26E-09	3.33E-08	4.97E-09	1.84E-08	1.62E-09	2.50E-08	5.63E-10	3.22E-09	3.85E-10	4.17E-09	5.12E-10	1.69E-09	1.16E-10	2.32E-09
6659	469777	3820654.63	5.93E-09	2.49E-08	2.24E-09	3.31E-08	4.94E-09	1.83E-08	1.61E-09	2.48E-08	5.60E-10	3.21E-09	3.82E-10	4.15E-09	5.09E-10	1.68E-09	1.16E-10	2.30E-09
6660	469768.17	3820650.81	5.90E-09	2.48E-08	2.23E-09	3.29E-08	4.91E-09	1.82E-08	1.60E-09	2.47E-08	5.57E-10	3.19E-09	3.80E-10	4.12E-09	5.06E-10	1.67E-09	1.15E-10	2.29E-09
6661	469759.34	3820646.99	5.86E-09	2.46E-08	2.22E-09	3.27E-08	4.88E-09	1.81E-08	1.59E-09	2.45E-08	5.53E-10	3.17E-09	3.78E-10	4.10E-09	5.03E-10	1.66E-09	1.14E-10	2.28E-09
6662	469750.51	3820643.17	5.82E-09	2.44E-08	2.20E-09	3.25E-08	4.85E-09	1.80E-08	1.58E-09	2.44E-08	5.50E-10	3.15E-09	3.75E-10	4.07E-09	5.00E-10	1.65E-09	1.14E-10	2.26E-09
6663	469741.68	3820639.35	5.78E-09	2.43E-08	2.19E-09	3.22E-08	4.82E-09	1.78E-08	1.57E-09	2.42E-08	5.46E-10	3.13E-09	3.73E-10	4.04E-09	4.96E-10	1.64E-09	1.13E-10	2.25E-09
6664	469732.85	3820635.54	5.74E-09	2.41E-08	2.17E-09	3.20E-08	4.78E-09	1.77E-08	1.56E-09	2.41E-08	5.42E-10	3.10E-09	3.70E-10	4.02E-09	4.93E-10	1.62E-09	1.12E-10	2.23E-09
6665	469724.02	3820631.72	5.70E-09	2.39E-08	2.16E-09	3.18E-08	4.75E-09	1.76E-08	1.55E-09	2.39E-08	5.38E-10	3.08E-09	3.68E-10	3.99E-09	4.89E-10	1.61E-09	1.11E-10	2.21E-09
6666	469715.19	3820627.9	5.66E-09	2.38E-08	2.14E-09	3.15E-08	4.71E-09	1.75E-08	1.54E-09	2.37E-08	5.34E-10	3.06E-09	3.65E-10	3.96E-09	4.86E-10	1.60E-09	1.10E-10	2.20E-09
6667	469706.36	3820624.08	5.61E-09	2.36E-08	2.12E-09	3.13E-08	4.67E-09	1.73E-08	1.52E-09	2.35E-08	5.30E-10	3.03E-09	3.62E-10	3.93E-09	4.82E-10	1.59E-09	1.10E-10	2.18E-09
6668	469697.53	3820620.26	5.57E-09	2.34E-08	2.11E-09	3.11E-08	4.64E-09	1.72E-08	1.51E-09	2.33E-08	5.26E-10	3.01E-09	3.59E-10	3.89E-09	4.78E-10	1.58E-09	1.09E-10	2.16E-09
6669	469662.21	3820604.99	5.39E-09	2.26E-08	2.04E-09	3.00E-08	4.49E-09	1.66E-08	1.46E-09	2.26E-08	5.09E-10	2.91E-09	3.47E-10	3.77E-09	4.62E-10	1.52E-09	1.05E-10	2.09E-09
6670	469653.38	3820601.17	5.34E-09	2.24E-08	2.02E-09	2.98E-08	4.45E-09	1.65E-08	1.45E-09	2.24E-08	5.04E-10	2.89E-09	3.45E-10	3.74E-09	4.59E-10	1.51E-09	1.04E-10	2.07E-09
6671	469644.55	3820597.35	5.30E-09	2.22E-08	2.00E-09	2.95E-08	4.41E-09	1.63E-08	1.44E-09	2.22E-08	5.00E-10	2.86E-09	3.42E-10	3.70E-09	4.55E-10	1.50E-09	1.03E-10	2.06E-09
6672	469635.72	3820593.53	5.25E-09	2.21E-08	1.99E-09	2.93E-08	4.37E-09	1.62E-08	1.43E-09	2.20E-08	4.96E-10	2.84E-09	3.39E-10	3.67E-09	4.51E-10	1.49E-09	1.02E-10	2.04E-09
6673	469626.89	3820589.72	5.21E-09	2.19E-08	1.97E-09	2.90E-08	4.34E-09	1.61E-08	1.41E-09	2.18E-08	4.92E-10	2.81E-09	3.36E-10	3.64E-09	4.47E-10	1.47E-09	1.02E-10	2.02E-09
6674	469618.06	3820585.9	5.16E-09	2.17E-08	1.95E-09	2.88E-08	4.30E-09	1.59E-08	1.40E-09	2.16E-08	4.87E-10	2.79E-09	3.33E-10	3.61E-09	4.43E-10	1.46E-09	1.01E-10	2.01E-09
6675	469609.23	3820582.08	5.12E-09	2.15E-08	1.94E-09	2.85E-08	4.26E-09	1.58E-08	1.39E-09	2.14E-08	4.83E-10	2.77E-09	3.30E-10	3.58E-09	4.39E-10	1.45E-09	9.99E-11	1.99E-09
6676	469600.4	3820578.26	5.08E-09	2.13E-08	1.92E-09	2.83E-08	4.23E-09	1.57E-08	1.38E-09	2.13E-08	4.79E-10	2.74E-09	3.27E-10	3.55E-09	4.36E-10	1.44E-09	9.90E-11	1.97E-09
6677	469591.57	3820574.44	5.03E-09	2.11E-08	1.90E-09	2.81E-08	4.19E-09	1.55E-08	1.37E-09	2.11E-08	4.75E-10	2.72E-09	3.25E-10	3.52E-09	4.32E-10	1.42E-09	9.82E-11	1.95E-09

6678	469582.74	3820570.62	4.99E-09	2.10E-08	1.89E-09	2.78E-08	4.16E-09	1.54E-08	1.35E-09	2.09E-08	4.71E-10	2.70E-09	3.22E-10	3.49E-09	4.28E-10	1.41E-09	9.74E-11	1.94E-09
6679	469573.91	3820566.81	4.95E-09	2.08E-08	1.87E-09	2.76E-08	4.12E-09	1.53E-08	1.34E-09	2.07E-08	4.67E-10	2.68E-09	3.19E-10	3.46E-09	4.25E-10	1.40E-09	9.66E-11	1.92E-09
6680	469565.08	3820562.99	4.91E-09	2.06E-08	1.86E-09	2.74E-08	4.09E-09	1.51E-08	1.33E-09	2.06E-08	4.63E-10	2.65E-09	3.17E-10	3.43E-09	4.21E-10	1.39E-09	9.58E-11	1.91E-09
6681	469556.25	3820559.17	4.87E-09	2.04E-08	1.84E-09	2.72E-08	4.06E-09	1.50E-08	1.32E-09	2.04E-08	4.60E-10	2.63E-09	3.14E-10	3.41E-09	4.18E-10	1.38E-09	9.50E-11	1.89E-09
6682	469547.42	3820555.35	4.83E-09	2.03E-08	1.83E-09	2.69E-08	4.02E-09	1.49E-08	1.31E-09	2.02E-08	4.56E-10	2.61E-09	3.12E-10	3.38E-09	4.15E-10	1.37E-09	9.42E-11	1.88E-09
6683	469538.59	3820551.53	4.79E-09	2.01E-08	1.81E-09	2.67E-08	3.99E-09	1.48E-08	1.30E-09	2.01E-08	4.52E-10	2.59E-09	3.09E-10	3.35E-09	4.11E-10	1.36E-09	9.35E-11	1.86E-09
6684	469529.76	3820547.71	4.75E-09	2.00E-08	1.80E-09	2.65E-08	3.96E-09	1.47E-08	1.29E-09	1.99E-08	4.49E-10	2.57E-09	3.07E-10	3.33E-09	4.08E-10	1.35E-09	9.28E-11	1.85E-09
6685	469520.93	3820543.9	4.72E-09	1.98E-08	1.78E-09	2.63E-08	3.93E-09	1.46E-08	1.28E-09	1.98E-08	4.45E-10	2.55E-09	3.04E-10	3.30E-09	4.05E-10	1.34E-09	9.21E-11	1.83E-09
6686	469512.1	3820540.08	4.68E-09	1.97E-08	1.77E-09	2.61E-08	3.90E-09	1.44E-08	1.27E-09	1.96E-08	4.42E-10	2.53E-09	3.02E-10	3.28E-09	4.02E-10	1.33E-09	9.14E-11	1.82E-09
6687	469503.27	3820536.26	4.65E-09	1.95E-08	1.76E-09	2.59E-08	3.87E-09	1.43E-08	1.26E-09	1.95E-08	4.39E-10	2.51E-09	3.00E-10	3.25E-09	3.99E-10	1.32E-09	9.07E-11	1.80E-09
6688	469494.44	3820532.44	4.61E-09	1.94E-08	1.74E-09	2.57E-08	3.84E-09	1.42E-08	1.25E-09	1.93E-08	4.36E-10	2.49E-09	2.98E-10	3.23E-09	3.96E-10	1.31E-09	9.00E-11	1.79E-09
6689	469485.61	3820528.62	4.58E-09	1.92E-08	1.73E-09	2.55E-08	3.81E-09	1.41E-08	1.24E-09	1.92E-08	4.32E-10	2.48E-09	2.95E-10	3.20E-09	3.93E-10	1.30E-09	8.93E-11	1.78E-09
6690	469476.78	3820524.8	4.55E-09	1.91E-08	1.72E-09	2.54E-08	3.79E-09	1.40E-08	1.23E-09	1.90E-08	4.29E-10	2.46E-09	2.93E-10	3.18E-09	3.90E-10	1.29E-09	8.87E-11	1.77E-09
6691	469467.95	3820520.99	4.51E-09	1.90E-08	1.71E-09	2.52E-08	3.76E-09	1.39E-08	1.23E-09	1.89E-08	4.26E-10	2.44E-09	2.91E-10	3.16E-09	3.87E-10	1.28E-09	8.81E-11	1.75E-09
6692	469459.12	3820517.17	4.48E-09	1.88E-08	1.70E-09	2.50E-08	3.73E-09	1.38E-08	1.22E-09	1.88E-08	4.23E-10	2.42E-09	2.89E-10	3.14E-09	3.85E-10	1.27E-09	8.75E-11	1.74E-09
6693	469450.29	3820513.35	4.45E-09	1.87E-08	1.68E-09	2.48E-08	3.71E-09	1.37E-08	1.21E-09	1.87E-08	4.20E-10	2.41E-09	2.87E-10	3.11E-09	3.82E-10	1.26E-09	8.69E-11	1.73E-09
6694	469441.46	3820509.53	4.42E-09	1.86E-08	1.67E-09	2.47E-08	3.68E-09	1.36E-08	1.20E-09	1.85E-08	4.18E-10	2.39E-09	2.85E-10	3.09E-09	3.80E-10	1.25E-09	8.63E-11	1.72E-09
6695	469432.63	3820505.71	4.39E-09	1.84E-08	1.66E-09	2.45E-08	3.66E-09	1.35E-08	1.19E-09	1.84E-08	4.15E-10	2.37E-09	2.83E-10	3.07E-09	3.77E-10	1.24E-09	8.57E-11	1.71E-09
6696	469423.8	3820501.89	4.36E-09	1.83E-08	1.65E-09	2.43E-08	3.63E-09	1.35E-08	1.18E-09	1.83E-08	4.12E-10	2.36E-09	2.81E-10	3.05E-09	3.74E-10	1.23E-09	8.51E-11	1.69E-09
6697	469414.97	3820498.08	4.33E-09	1.82E-08	1.64E-09	2.42E-08	3.61E-09	1.34E-08	1.18E-09	1.82E-08	4.09E-10	2.34E-09	2.79E-10	3.03E-09	3.72E-10	1.23E-09	8.45E-11	1.68E-09
6698	469406.14	3820494.26	4.30E-09	1.81E-08	1.63E-09	2.40E-08	3.58E-09	1.33E-08	1.17E-09	1.80E-08	4.06E-10	2.33E-09	2.78E-10	3.01E-09	3.69E-10	1.22E-09	8.40E-11	1.67E-09
6699	469397.31	3820490.44	4.28E-09	1.80E-08	1.62E-09	2.38E-08	3.56E-09	1.32E-08	1.16E-09	1.79E-08	4.04E-10	2.31E-09	2.76E-10	2.99E-09	3.67E-10	1.21E-09	8.34E-11	1.66E-09
6700	469388.48	3820486.62	4.25E-09	1.78E-08	1.61E-09	2.37E-08	3.54E-09	1.31E-08	1.15E-09	1.78E-08	4.01E-10	2.30E-09	2.74E-10	2.97E-09	3.65E-10	1.20E-09	8.29E-11	1.65E-09
6701	469379.65	3820482.8	4.22E-09	1.77E-08	1.60E-09	2.35E-08	3.51E-09	1.30E-08	1.15E-09	1.77E-08	3.98E-10	2.28E-09	2.72E-10	2.95E-09	3.62E-10	1.19E-09	8.23E-11	1.64E-09
6702	469370.82	3820478.98	4.19E-09	1.76E-08	1.58E-09	2.34E-08	3.49E-09	1.29E-08	1.14E-09	1.76E-08	3.96E-10	2.27E-09	2.70E-10	2.93E-09	3.60E-10	1.19E-09	8.18E-11	1.63E-09
6703	469361.98	3820475.17	4.16E-09	1.75E-08	1.57E-09	2.32E-08	3.47E-09	1.28E-08	1.13E-09	1.74E-08	3.93E-10	2.25E-09	2.68E-10	2.91E-09	3.57E-10	1.18E-09	8.12E-11	1.62E-09
6704	469353.15	3820471.35	4.13E-09	1.74E-08	1.56E-09	2.30E-08	3.44E-09	1.28E-08	1.12E-09	1.73E-08	3.90E-10	2.23E-09	2.67E-10	2.89E-09	3.55E-10	1.17E-09	8.06E-11	1.61E-09
6705	469344.32	3820467.53	4.10E-09	1.72E-08	1.55E-09	2.29E-08	3.42E-09	1.27E-08	1.11E-09	1.72E-08	3.88E-10	2.22E-09	2.65E-10	2.87E-09	3.52E-10	1.16E-09	8.01E-11	1.59E-09
6706	469335.49	3820463.71	4.07E-09	1.71E-08	1.54E-09	2.27E-08	3.39E-09	1.26E-08	1.11E-09	1.71E-08	3.85E-10	2.20E-09	2.63E-10	2.85E-09	3.50E-10	1.15E-09	7.95E-11	1.58E-09
6707	469326.66	3820459.89	4.05E-09	1.70E-08	1.53E-09	2.26E-08	3.37E-09	1.25E-08	1.10E-09	1.70E-08	3.82E-10	2.19E-09	2.61E-10	2.83E-09	3.47E-10	1.15E-09	7.89E-11	1.57E-09
6708	469317.83	3820456.07	4.02E-09	1.69E-08	1.52E-09	2.24E-08	3.35E-09	1.24E-08	1.09E-09	1.68E-08	3.79E-10	2.17E-09	2.59E-10	2.81E-09	3.45E-10	1.14E-09	7.84E-11	1.56E-09
6709	469309	3820452.26	3.99E-09	1.67E-08	1.51E-09	2.22E-08	3.32E-09	1.23E-08	1.08E-09	1.67E-08	3.77E-10	2.16E-09	2.57E-10	2.79E-09	3.42E-10	1.13E-09	7.78E-11	1.55E-09
6710	469300.17	3820448.44	3.96E-09	1.66E-08	1.50E-09	2.21E-08	3.30E-09	1.22E-08	1.07E-09	1.66E-08	3.74E-10	2.14E-09	2.55E-10	2.77E-09	3.40E-10	1.12E-09	7.72E-11	1.54E-09
6711	469291.34	3820444.62	3.93E-09	1.65E-08	1.49E-09	2.19E-08	3.27E-09	1.21E-08	1.07E-09	1.65E-08	3.71E-10	2.12E-09	2.53E-10	2.75E-09	3.37E-10	1.11E-09	7.66E-11	1.53E-09
6712	469264.85	3820433.16	3.83E-09	1.61E-08	1.45E-09	2.14E-08	3.19E-09	1.18E-08	1.04E-09	1.61E-08	3.62E-10	2.07E-09	2.47E-10	2.68E-09	3.29E-10	1.08E-09	7.48E-11	1.49E-09
6713	469256.02	3820429.35	3.80E-09	1.60E-08	1.44E-09	2.12E-08	3.17E-09	1.17E-08	1.03E-09	1.59E-08	3.59E-10	2.05E-09	2.45E-10	2.66E-09	3.26E-10	1.08E-09	7.42E-11	1.48E-09
6714	469247.19	3820425.53	3.77E-09	1.58E-08	1.42E-09	2.10E-08	3.14E-09	1.16E-08	1.02E-09	1.58E-08	3.56E-10	2.04E-09	2.43E-10	2.64E-09	3.23E-10	1.07E-09	7.35E-11	1.46E-09
6715	469238.36	3820421.71	3.73E-09	1.57E-08	1.41E-09	2.08E-08	3.11E-09	1.15E-08	1.01E-09	1.56E-08	3.53E-10	2.02E-09	2.41E-10	2.61E-09	3.21E-10	1.06E-09	7.29E-11	1.45E-09
6716	469229.53	3820417.89	3.70E-09	1.55E-08	1.40E-09	2.06E-08	3.08E-09	1.14E-08	1.00E-09	1.55E-08	3.49E-10	2.00E-09	2.39E-10	2.59E-09	3.18E-10	1.05E-09	7.22E-11	1.44E-09
6717	469220.7	3820414.07	3.67E-09	1.54E-08	1.39E-09	2.04E-08	3.05E-09	1.13E-08	9.95E-10	1.54E-08	3.46E-10	1.98E-09	2.36E-10	2.56E-09	3.15E-10	1.04E-09	7.15E-11	1.42E-09
6718	469211.87	3820410.25	3.63E-09	1.52E-08	1.37E-09	2.02E-08	3.02E-09	1.12E-08	9.85E-10	1.52E-08	3.43E-10	1.96E-09	2.34E-10	2.54E-09	3.12E-10	1.03E-09	7.08E-11	1.41E-09
6719	469203.04	3820406.44	3.59E-09	1.51E-08	1.36E-09	2.00E-08	2.99E-09	1.11E-08	9.76E-10	1.51E-08	3.39E-10	1.94E-09	2.32E-10	2.51E-09	3.09E-10	1.02E-09	7.01E-11	1.40E-09
6720	469194.21	3820402.62	3.56E-09	1.49E-08	1.35E-09	1.98E-08	2.96E-09	1.10E-08	9.66E-10	1.49E-08	3.36E-10	1.92E-09	2.29E-10	2.49E-09	3.05E-10	1.01E-09	6.94E-11	1.38E-09
6721	469185.38	3820398.8	3.52E-09	1.48E-08	1.33E-09	1.96E-08	2.93E-09	1.09E-08	9.56E-10	1.48E-08	3.33E-10	1.90E-09	2.27E-10	2.46E-09	3.02E-10	9.97E-10	6.87E-11	1.37E-09
6722	469176.55	3820394.98	3.48E-09	1.46E-08	1.32E-09	1.94E-08	2.90E-09	1.08E-08	9.46E-10	1.46E-08	3.29E-10	1.88E-09	2.25E-10	2.44E-09	2.99E-10	9.86E-10	6.80E-11	1.35E-09
6723	469167.72	3820391.16	3.45E-09	1.45E-08	1.30E-09	1.92E-08	2.87E-09	1.06E-08	9.36E-10	1.44E-08	3.26E-10	1.86E-09	2.22E-10	2.41E-09	2.96E-10	9.76E-10	6.73E-11	1.34E-09
6724	469158.89	3820387.34	3.41E-09	1.43E-08	1.29E-09	1.90E-08	2.84E-09	1.05E-08	9.25E-10	1.43E-08	3.22E-10	1.84E-09	2.20E-10	2.38E-09	2.93E-10	9.65E-10	6.65E-11	1.32E-09
6725	469150.06	3820383.53	3.37E-09	1.42E-08	1.27E-09	1.88E-08	2.81E-09	1.04E-08	9.15E-10	1.41E-08	3.18E-10	1.82E-09	2.17E-10	2.36E-09	2.89E-10	9.54E-10	6.58E-11	1.31E-09
6726	469137.72	3820370.75	3.32E-09	1.39E-08	1.26E-09	1.85E-08	2.77E-09	1.02E-08	9.01E-10	1.39E-08	3.14E-10	1.80E-09	2.14E-10	2.32E-09	2.85E-10	9.40E-10	6.48E-11	1.29E-09
6727	469134.2	3820361.8	3.31E-09	1.39E-08	1.25E-09	1.85E-08	2.76E-09	1.02E-08	8.98E-10	1.39E-08	3.12E-10	1.79E-09	2.13E-10	2.31E-09	2.84E-10	9.37E-10	6.46E-11	1.29E-09
6728	469130.68	3820352.84	3.30E-09	1.38E-08	1.25E-09	1.84E-08	2.75E-09	1.02E-08	8.95E-10	1.38E-08	3.11E-10	1.78E-09	2.13E-10	2.31E-09	2.83E-10	9.33E-10	6.43E-11	1.28E-09

6729	469127.17	3820343.89	3.28E-09	1.38E-08	1.24E-09	1.83E-08	2.73E-09	1.01E-08	8.91E-10	1.38E-08	3.10E-10	1.77E-09	2.12E-10	2.30E-09	2.82E-10	9.29E-10	6.40E-11	1.27E-09
6730	469123.65	3820334.94	3.27E-09	1.37E-08	1.24E-09	1.82E-08	2.72E-09	1.01E-08	8.87E-10	1.37E-08	3.08E-10	1.77E-09	2.11E-10	2.29E-09	2.80E-10	9.25E-10	6.37E-11	1.27E-09
6731	469120.14	3820325.98	3.25E-09	1.37E-08	1.23E-09	1.81E-08	2.71E-09	1.00E-08	8.82E-10	1.36E-08	3.07E-10	1.76E-09	2.10E-10	2.27E-09	2.79E-10	9.20E-10	6.34E-11	1.26E-09
6732	469116.62	3820317.03	3.23E-09	1.36E-08	1.22E-09	1.80E-08	2.69E-09	9.98E-09	8.78E-10	1.35E-08	3.05E-10	1.75E-09	2.09E-10	2.26E-09	2.78E-10	9.15E-10	6.31E-11	1.26E-09
6733	469113.1	3820308.07	3.22E-09	1.35E-08	1.22E-09	1.79E-08	2.68E-09	9.92E-09	8.73E-10	1.35E-08	3.04E-10	1.74E-09	2.07E-10	2.25E-09	2.76E-10	9.10E-10	6.27E-11	1.25E-09
6734	469109.59	3820299.12	3.20E-09	1.34E-08	1.21E-09	1.78E-08	2.66E-09	9.86E-09	8.68E-10	1.34E-08	3.02E-10	1.73E-09	2.06E-10	2.24E-09	2.74E-10	9.05E-10	6.24E-11	1.24E-09
6735	469106.07	3820290.16	3.18E-09	1.33E-08	1.20E-09	1.77E-08	2.64E-09	9.80E-09	8.62E-10	1.33E-08	3.00E-10	1.72E-09	2.05E-10	2.22E-09	2.73E-10	8.99E-10	6.20E-11	1.23E-09
6736	469102.55	3820281.21	3.15E-09	1.32E-08	1.19E-09	1.76E-08	2.63E-09	9.73E-09	8.56E-10	1.32E-08	2.98E-10	1.71E-09	2.03E-10	2.21E-09	2.71E-10	8.93E-10	6.15E-11	1.23E-09
6737	469099.04	3820272.25	3.13E-09	1.32E-08	1.18E-09	1.75E-08	2.61E-09	9.66E-09	8.50E-10	1.31E-08	2.96E-10	1.69E-09	2.02E-10	2.19E-09	2.69E-10	8.86E-10	6.11E-11	1.22E-09
6738	469095.52	3820263.3	3.11E-09	1.31E-08	1.18E-09	1.73E-08	2.59E-09	9.59E-09	8.44E-10	1.30E-08	2.93E-10	1.68E-09	2.00E-10	2.17E-09	2.67E-10	8.80E-10	6.06E-11	1.21E-09
6739	469092	3820254.34	3.08E-09	1.30E-08	1.17E-09	1.72E-08	2.57E-09	9.52E-09	8.37E-10	1.29E-08	2.91E-10	1.67E-09	1.99E-10	2.16E-09	2.65E-10	8.73E-10	6.02E-11	1.20E-09
6740	469088.49	3820245.39	3.06E-09	1.28E-08	1.16E-09	1.71E-08	2.55E-09	9.44E-09	8.30E-10	1.28E-08	2.89E-10	1.65E-09	1.97E-10	2.14E-09	2.63E-10	8.66E-10	5.97E-11	1.19E-09
6741	469084.97	3820236.44	3.03E-09	1.27E-08	1.15E-09	1.69E-08	2.53E-09	9.36E-09	8.23E-10	1.27E-08	2.86E-10	1.64E-09	1.96E-10	2.12E-09	2.60E-10	8.58E-10	5.92E-11	1.18E-09
6742	469081.45	3820227.48	3.00E-09	1.26E-08	1.14E-09	1.68E-08	2.50E-09	9.27E-09	8.16E-10	1.26E-08	2.84E-10	1.62E-09	1.94E-10	2.10E-09	2.58E-10	8.50E-10	5.86E-11	1.17E-09
6743	469077.94	3820218.53	2.98E-09	1.25E-08	1.13E-09	1.66E-08	2.48E-09	9.18E-09	8.08E-10	1.25E-08	2.81E-10	1.61E-09	1.92E-10	2.08E-09	2.56E-10	8.42E-10	5.81E-11	1.16E-09
6744	469074.42	3820209.57	2.95E-09	1.24E-08	1.11E-09	1.64E-08	2.45E-09	9.09E-09	8.00E-10	1.23E-08	2.78E-10	1.59E-09	1.90E-10	2.06E-09	2.53E-10	8.34E-10	5.75E-11	1.14E-09
6745	469070.9	3820200.62	2.92E-09	1.23E-08	1.10E-09	1.63E-08	2.43E-09	9.00E-09	7.92E-10	1.22E-08	2.75E-10	1.58E-09	1.88E-10	2.04E-09	2.50E-10	8.26E-10	5.69E-11	1.13E-09
6746	469067.39	3820191.66	2.89E-09	1.21E-08	1.09E-09	1.61E-08	2.40E-09	8.91E-09	7.84E-10	1.21E-08	2.73E-10	1.56E-09	1.86E-10	2.02E-09	2.48E-10	8.17E-10	5.63E-11	1.12E-09
6747	469063.87	3820182.71	2.85E-09	1.20E-08	1.08E-09	1.59E-08	2.38E-09	8.81E-09	7.75E-10	1.20E-08	2.70E-10	1.54E-09	1.84E-10	2.00E-09	2.45E-10	8.08E-10	5.57E-11	1.11E-09
6748	469060.35	3820173.75	2.82E-09	1.19E-08	1.07E-09	1.57E-08	2.35E-09	8.71E-09	7.66E-10	1.18E-08	2.66E-10	1.53E-09	1.82E-10	1.97E-09	2.42E-10	7.99E-10	5.51E-11	1.10E-09
6749	469056.84	3820164.8	2.79E-09	1.17E-08	1.05E-09	1.56E-08	2.32E-09	8.61E-09	7.57E-10	1.17E-08	2.63E-10	1.51E-09	1.80E-10	1.95E-09	2.39E-10	7.89E-10	5.44E-11	1.08E-09
6750	469053.32	3820155.84	2.75E-09	1.16E-08	1.04E-09	1.54E-08	2.29E-09	8.50E-09	7.48E-10	1.15E-08	2.60E-10	1.49E-09	1.78E-10	1.93E-09	2.36E-10	7.80E-10	5.38E-11	1.07E-09
6751	469049.81	3820146.89	2.72E-09	1.14E-08	1.03E-09	1.52E-08	2.27E-09	8.39E-09	7.38E-10	1.14E-08	2.57E-10	1.47E-09	1.75E-10	1.90E-09	2.34E-10	7.70E-10	5.31E-11	1.06E-09
6752	469046.29	3820137.94	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.29E-09	7.29E-10	1.13E-08	2.54E-10	1.45E-09	1.73E-10	1.88E-09	2.31E-10	7.60E-10	5.24E-11	1.04E-09
6753	469042.77	3820128.98	2.65E-09	1.11E-08	1.00E-09	1.48E-08	2.21E-09	8.18E-09	7.19E-10	1.11E-08	2.50E-10	1.43E-09	1.71E-10	1.85E-09	2.27E-10	7.50E-10	5.17E-11	1.03E-09
6754	469039.26	3820120.03	2.61E-09	1.10E-08	9.88E-10	1.46E-08	2.18E-09	8.06E-09	7.09E-10	1.10E-08	2.47E-10	1.41E-09	1.69E-10	1.83E-09	2.24E-10	7.40E-10	5.10E-11	1.02E-09
6755	469035.74	3820111.07	2.58E-09	1.08E-08	9.74E-10	1.44E-08	2.15E-09	7.95E-09	6.99E-10	1.08E-08	2.43E-10	1.39E-09	1.66E-10	1.80E-09	2.21E-10	7.29E-10	5.03E-11	1.00E-09
6756	469032.22	3820102.12	2.54E-09	1.07E-08	9.60E-10	1.42E-08	2.12E-09	7.84E-09	6.89E-10	1.06E-08	2.40E-10	1.37E-09	1.64E-10	1.78E-09	2.18E-10	7.19E-10	4.95E-11	9.86E-10
6757	469028.71	3820093.16	2.50E-09	1.05E-08	9.46E-10	1.40E-08	2.08E-09	7.72E-09	6.79E-10	1.05E-08	2.36E-10	1.35E-09	1.61E-10	1.75E-09	2.15E-10	7.08E-10	4.88E-11	9.72E-10
6758	469025.19	3820084.21	2.46E-09	1.03E-08	9.32E-10	1.37E-08	2.05E-09	7.60E-09	6.69E-10	1.03E-08	2.33E-10	1.33E-09	1.59E-10	1.72E-09	2.11E-10	6.97E-10	4.81E-11	9.57E-10
6759	469021.67	3820075.25	2.42E-09	1.02E-08	9.17E-10	1.35E-08	2.02E-09	7.48E-09	6.58E-10	1.02E-08	2.29E-10	1.31E-09	1.56E-10	1.70E-09	2.08E-10	6.86E-10	4.73E-11	9.42E-10
6760	469018.16	3820066.3	2.38E-09	1.00E-08	9.02E-10	1.33E-08	1.99E-09	7.36E-09	6.47E-10	9.99E-09	2.25E-10	1.29E-09	1.54E-10	1.67E-09	2.05E-10	6.75E-10	4.65E-11	9.26E-10
6761	469014.64	3820057.35	2.35E-09	9.85E-09	8.87E-10	1.31E-08	1.95E-09	7.24E-09	6.37E-10	9.83E-09	2.22E-10	1.27E-09	1.51E-10	1.64E-09	2.01E-10	6.64E-10	4.58E-11	9.11E-10
6762	468993.54	3820003.62	2.10E-09	8.83E-09	7.95E-10	1.17E-08	1.75E-09	6.49E-09	5.71E-10	8.81E-09	1.99E-10	1.14E-09	1.36E-10	1.47E-09	1.80E-10	5.95E-10	4.10E-11	8.17E-10
6763	468990.02	3819994.66	2.06E-09	8.66E-09	7.80E-10	1.15E-08	1.72E-09	6.36E-09	5.60E-10	8.64E-09	1.95E-10	1.11E-09	1.33E-10	1.44E-09	1.77E-10	5.84E-10	4.02E-11	8.01E-10
6764	468986.51	3819985.71	2.02E-09	8.49E-09	7.64E-10	1.13E-08	1.68E-09	6.24E-09	5.49E-10	8.47E-09	1.91E-10	1.09E-09	1.30E-10	1.41E-09	1.74E-10	5.72E-10	3.94E-11	7.85E-10
6765	468982.99	3819976.75	1.98E-09	8.32E-09	7.49E-10	1.10E-08	1.65E-09	6.11E-09	5.38E-10	8.30E-09	1.87E-10	1.07E-09	1.28E-10	1.39E-09	1.70E-10	5.61E-10	3.87E-11	7.69E-10
6766	468979.48	3819967.8	1.94E-09	8.15E-09	7.34E-10	1.08E-08	1.62E-09	5.99E-09	5.27E-10	8.13E-09	1.83E-10	1.05E-09	1.25E-10	1.36E-09	1.67E-10	5.49E-10	3.79E-11	7.54E-10
6767	468975.96	3819958.85	1.90E-09	7.98E-09	7.19E-10	1.06E-08	1.58E-09	5.86E-09	5.16E-10	7.96E-09	1.79E-10	1.03E-09	1.23E-10	1.33E-09	1.63E-10	5.38E-10	3.71E-11	7.38E-10
6768	468972.44	3819949.89	1.86E-09	7.81E-09	7.03E-10	1.04E-08	1.55E-09	5.74E-09	5.05E-10	7.79E-09	1.76E-10	1.01E-09	1.20E-10	1.30E-09	1.60E-10	5.27E-10	3.63E-11	7.22E-10
6769	468968.93	3819940.94	1.82E-09	7.64E-09	6.88E-10	1.02E-08	1.52E-09	5.62E-09	4.94E-10	7.63E-09	1.72E-10	9.84E-10	1.17E-10	1.27E-09	1.56E-10	5.15E-10	3.55E-11	7.07E-10
6770	468965.41	3819931.98	1.78E-09	7.47E-09	6.73E-10	9.93E-09	1.48E-09	5.49E-09	4.83E-10	7.46E-09	1.68E-10	9.62E-10	1.15E-10	1.24E-09	1.53E-10	5.04E-10	3.47E-11	6.91E-10
6771	468961.89	3819923.03	1.74E-09	7.31E-09	6.58E-10	9.70E-09	1.45E-09	5.37E-09	4.72E-10	7.29E-09	1.64E-10	9.41E-10	1.12E-10	1.22E-09	1.49E-10	4.93E-10	3.40E-11	6.76E-10
6772	468958.38	3819914.07	1.70E-09	7.14E-09	6.43E-10	9.48E-09	1.42E-09	5.25E-09	4.62E-10	7.12E-09	1.61E-10	9.19E-10	1.10E-10	1.19E-09	1.46E-10	4.81E-10	3.32E-11	6.60E-10
6773	468954.86	3819905.12	1.66E-09	6.97E-09	6.28E-10	9.26E-09	1.38E-09	5.12E-09	4.51E-10	6.96E-09	1.57E-10	8.98E-10	1.07E-10	1.16E-09	1.43E-10	4.70E-10	3.24E-11	6.45E-10
6774	468951.34	3819896.16	1.62E-09	6.81E-09	6.13E-10	9.04E-09	1.35E-09	5.00E-09	4.40E-10	6.79E-09	1.53E-10	8.76E-10	1.05E-10	1.13E-09	1.39E-10	4.59E-10	3.16E-11	6.30E-10
6775	468947.83	3819887.21	1.58E-09	6.65E-09	5.99E-10	8.83E-09	1.32E-09	4.88E-09	4.30E-10	6.63E-09	1.49E-10	8.56E-10	1.02E-10	1.11E-09	1.36E-10	4.48E-10	3.09E-11	6.15E-10
6776	468944.31	3819878.26	1.55E-09	6.49E-09	5.85E-10	8.62E-09	1.29E-09	4.77E-09	4.20E-10	6.48E-09	1.46E-10	8.36E-10	9.97E-11	1.08E-09	1.33E-10	4.38E-10	3.02E-11	6.00E-10
6777	468940.79	3819869.3	1.51E-09	6.34E-09	5.71E-10	8.42E-09	1.26E-09	4.66E-09	4.10E-10	6.32E-09	1.42E-10	8.16E-10	9.73E-11	1.06E-09	1.30E-10	4.27E-10	2.94E-11	5.86E-10
6778	468937.28	3819860.35	1.47E-09	6.18E-09	5.57E-10	8.21E-09	1.23E-09	4.54E-09	4.00E-10	6.17E-09	1.39E-10	7.96E-10	9.50E-11	1.03E-09	1.26E-10	4.17E-10	2.87E-11	5.72E-10
6779	468933.76	3819851.39	1.44E-09	6.03E-09	5.43E-10	8.01E-09	1.20E-09	4.43E-09	3.90E-10	6.02E-09	1.36E-10	7.77E-10	9.27E-11	1.01E-09	1.23E-10	4.07E-10	2.80E-11	5.58E-10

6780	468930.24	3819842.44	1.40E-09	5.89E-09	5.30E-10	7.82E-09	1.17E-09	4.33E-09	3.81E-10	5.87E-09	1.32E-10	7.58E-10	9.04E-11	9.81E-10	1.20E-10	3.97E-10	2.74E-11	5.44E-10
6781	468926.73	3819833.48	1.37E-09	5.74E-09	5.17E-10	7.62E-09	1.14E-09	4.22E-09	3.71E-10	5.73E-09	1.29E-10	7.39E-10	8.82E-11	9.56E-10	1.17E-10	3.87E-10	2.67E-11	5.31E-10
6782	468923.21	3819824.53	1.33E-09	5.60E-09	5.04E-10	7.44E-09	1.11E-09	4.11E-09	3.62E-10	5.59E-09	1.26E-10	7.21E-10	8.60E-11	9.33E-10	1.14E-10	3.77E-10	2.60E-11	5.18E-10
6783	468919.69	3819815.57	1.30E-09	5.45E-09	4.91E-10	7.24E-09	1.08E-09	4.01E-09	3.52E-10	5.44E-09	1.23E-10	7.02E-10	8.37E-11	9.08E-10	1.11E-10	3.67E-10	2.53E-11	5.04E-10
6784	468916.18	3819806.62	1.26E-09	5.31E-09	4.78E-10	7.05E-09	1.05E-09	3.90E-09	3.43E-10	5.30E-09	1.19E-10	6.84E-10	8.16E-11	8.85E-10	1.09E-10	3.58E-10	2.47E-11	4.91E-10
6785	468912.66	3819797.66	1.23E-09	5.17E-09	4.66E-10	6.87E-09	1.03E-09	3.80E-09	3.34E-10	5.16E-09	1.16E-10	6.66E-10	7.94E-11	8.62E-10	1.06E-10	3.49E-10	2.40E-11	4.78E-10
6786	468909.15	3819788.71	1.20E-09	5.04E-09	4.54E-10	6.70E-09	1.00E-09	3.71E-09	3.26E-10	5.03E-09	1.13E-10	6.49E-10	7.74E-11	8.40E-10	1.03E-10	3.40E-10	2.34E-11	4.66E-10
6787	468905.63	3819779.76	1.17E-09	4.91E-09	4.42E-10	6.52E-09	9.74E-10	3.61E-09	3.18E-10	4.90E-09	1.10E-10	6.32E-10	7.55E-11	8.18E-10	1.00E-10	3.31E-10	2.28E-11	4.54E-10
6788	468902.11	3819770.8	1.14E-09	4.79E-09	4.31E-10	6.36E-09	9.50E-10	3.52E-09	3.10E-10	4.78E-09	1.08E-10	6.16E-10	7.36E-11	7.98E-10	9.79E-11	3.23E-10	2.23E-11	4.43E-10
6789	468898.6	3819761.85	1.11E-09	4.66E-09	4.20E-10	6.20E-09	9.25E-10	3.43E-09	3.02E-10	4.65E-09	1.05E-10	6.00E-10	7.16E-11	7.77E-10	9.54E-11	3.14E-10	2.17E-11	4.31E-10
6790	468895.08	3819752.89	1.08E-09	4.55E-09	4.09E-10	6.04E-09	9.02E-10	3.34E-09	2.94E-10	4.54E-09	1.02E-10	5.85E-10	6.98E-11	7.57E-10	9.29E-11	3.06E-10	2.11E-11	4.21E-10
6791	468891.56	3819743.94	1.06E-09	4.43E-09	3.99E-10	5.89E-09	8.79E-10	3.26E-09	2.86E-10	4.42E-09	9.96E-11	5.70E-10	6.81E-11	7.38E-10	9.06E-11	2.99E-10	2.06E-11	4.10E-10
6792	468888.05	3819734.98	1.03E-09	4.32E-09	3.89E-10	5.74E-09	8.57E-10	3.17E-09	2.79E-10	4.31E-09	9.71E-11	5.56E-10	6.63E-11	7.19E-10	8.83E-11	2.91E-10	2.01E-11	3.99E-10
6793	468884.53	3819726.03	1.00E-09	4.21E-09	3.79E-10	5.59E-09	8.35E-10	3.09E-09	2.72E-10	4.20E-09	9.47E-11	5.42E-10	6.47E-11	7.01E-10	8.61E-11	2.84E-10	1.96E-11	3.89E-10
6794	468881.01	3819717.07	9.77E-10	4.10E-09	3.69E-10	5.45E-09	8.14E-10	3.01E-09	2.65E-10	4.09E-09	9.23E-11	5.28E-10	6.30E-11	6.83E-10	8.39E-11	2.77E-10	1.91E-11	3.79E-10
6795	468877.5	3819708.12	9.52E-10	4.00E-09	3.60E-10	5.31E-09	7.93E-10	2.94E-09	2.59E-10	3.99E-09	8.99E-11	5.15E-10	6.14E-11	6.66E-10	8.18E-11	2.70E-10	1.86E-11	3.70E-10
6796	468873.98	3819699.16	9.28E-10	3.90E-09	3.51E-10	5.17E-09	7.73E-10	2.86E-09	2.52E-10	3.89E-09	8.76E-11	5.01E-10	5.98E-11	6.49E-10	7.96E-11	2.63E-10	1.81E-11	3.60E-10
6797	468870.46	3819690.21	9.04E-10	3.80E-09	3.42E-10	5.04E-09	7.53E-10	2.79E-09	2.45E-10	3.79E-09	8.54E-11	4.89E-10	5.83E-11	6.33E-10	7.76E-11	2.56E-10	1.76E-11	3.51E-10
6798	468866.95	3819681.26	8.81E-10	3.70E-09	3.33E-10	4.91E-09	7.34E-10	2.72E-09	2.39E-10	3.69E-09	8.32E-11	4.76E-10	5.68E-11	6.16E-10	7.56E-11	2.49E-10	1.72E-11	3.42E-10
6799	468863.43	3819672.3	8.59E-10	3.61E-09	3.25E-10	4.79E-09	7.15E-10	2.65E-09	2.33E-10	3.60E-09	8.11E-11	4.64E-10	5.54E-11	6.01E-10	7.37E-11	2.43E-10	1.68E-11	3.34E-10
6800	468859.91	3819663.35	8.38E-10	3.52E-09	3.17E-10	4.68E-09	6.98E-10	2.59E-09	2.28E-10	3.51E-09	7.92E-11	4.53E-10	5.41E-11	5.86E-10	7.20E-11	2.37E-10	1.64E-11	3.26E-10
6801	468856.4	3819654.39	8.19E-10	3.44E-09	3.10E-10	4.57E-09	6.82E-10	2.53E-09	2.22E-10	3.43E-09	7.73E-11	4.42E-10	5.28E-11	5.73E-10	7.03E-11	2.32E-10	1.60E-11	3.18E-10
6802	468852.88	3819645.44	7.99E-10	3.35E-09	3.02E-10	4.45E-09	6.65E-10	2.46E-09	2.17E-10	3.35E-09	7.54E-11	4.32E-10	5.15E-11	5.59E-10	6.86E-11	2.26E-10	1.56E-11	3.10E-10
6803	468849.36	3819636.48	7.79E-10	3.27E-09	2.95E-10	4.35E-09	6.49E-10	2.41E-09	2.12E-10	3.27E-09	7.36E-11	4.21E-10	5.03E-11	5.45E-10	6.69E-11	2.21E-10	1.52E-11	3.03E-10
6804	468845.85	3819627.53	7.61E-10	3.20E-09	2.88E-10	4.24E-09	6.34E-10	2.35E-09	2.07E-10	3.19E-09	7.19E-11	4.11E-10	4.91E-11	5.32E-10	6.53E-11	2.15E-10	1.48E-11	2.96E-10
6805	468842.33	3819618.57	7.43E-10	3.12E-09	2.81E-10	4.14E-09	6.19E-10	2.29E-09	2.02E-10	3.11E-09	7.02E-11	4.02E-10	4.79E-11	5.20E-10	6.38E-11	2.10E-10	1.45E-11	2.89E-10
6806	468838.82	3819609.62	7.27E-10	3.05E-09	2.75E-10	4.05E-09	6.05E-10	2.24E-09	1.97E-10	3.04E-09	6.86E-11	3.93E-10	4.69E-11	5.08E-10	6.24E-11	2.06E-10	1.42E-11	2.82E-10
6807	468835.3	3819600.67	7.10E-10	2.98E-09	2.69E-10	3.96E-09	5.91E-10	2.19E-09	1.93E-10	2.98E-09	6.71E-11	3.84E-10	4.58E-11	4.97E-10	6.10E-11	2.01E-10	1.39E-11	2.76E-10
6808	468831.78	3819591.71	6.95E-10	2.92E-09	2.63E-10	3.88E-09	5.79E-10	2.14E-09	1.89E-10	2.91E-09	6.56E-11	3.76E-10	4.48E-11	4.86E-10	5.97E-11	1.97E-10	1.36E-11	2.70E-10
6809	468828.27	3819582.76	6.80E-10	2.86E-09	2.57E-10	3.79E-09	5.66E-10	2.10E-09	1.85E-10	2.85E-09	6.42E-11	3.68E-10	4.39E-11	4.76E-10	5.84E-11	1.92E-10	1.33E-11	2.64E-10
6810	468824.75	3819573.8	6.66E-10	2.79E-09	2.52E-10	3.71E-09	5.54E-10	2.05E-09	1.81E-10	2.79E-09	6.28E-11	3.60E-10	4.29E-11	4.66E-10	5.71E-11	1.88E-10	1.30E-11	2.59E-10
6811	468821.23	3819564.85	6.52E-10	2.74E-09	2.47E-10	3.64E-09	5.43E-10	2.01E-09	1.77E-10	2.73E-09	6.16E-11	3.53E-10	4.21E-11	4.56E-10	5.60E-11	1.85E-10	1.27E-11	2.53E-10
6812	468817.72	3819555.89	5.93E-10	2.49E-09	2.24E-10	3.31E-09	4.94E-10	1.83E-09	1.61E-10	2.48E-09	5.60E-11	3.20E-10	3.82E-11	4.15E-10	5.09E-11	1.68E-10	1.16E-11	2.30E-10
6813	468814.2	3819546.94	5.80E-10	2.43E-09	2.19E-10	3.23E-09	4.83E-10	1.79E-09	1.57E-10	2.43E-09	5.47E-11	3.13E-10	3.74E-11	4.06E-10	4.98E-11	1.64E-10	1.13E-11	2.25E-10
6814	468810.68	3819537.98	5.69E-10	2.39E-09	2.15E-10	3.17E-09	4.74E-10	1.76E-09	1.54E-10	2.38E-09	5.37E-11	3.07E-10	3.67E-11	3.98E-10	4.88E-11	1.61E-10	1.11E-11	2.21E-10
6815	468807.17	3819529.03	5.59E-10	2.35E-09	2.11E-10	3.12E-09	4.66E-10	1.73E-09	1.52E-10	2.34E-09	5.28E-11	3.02E-10	3.61E-11	3.91E-10	4.80E-11	1.58E-10	1.09E-11	2.17E-10
6816	468803.65	3819520.07	5.51E-10	2.31E-09	2.08E-10	3.07E-09	4.59E-10	1.70E-09	1.50E-10	2.31E-09	5.20E-11	2.98E-10	3.55E-11	3.85E-10	4.73E-11	1.56E-10	1.08E-11	2.14E-10
6817	468800.13	3819511.12	5.44E-10	2.28E-09	2.06E-10	3.03E-09	4.53E-10	1.68E-09	1.48E-10	2.28E-09	5.14E-11	2.94E-10	3.51E-11	3.81E-10	4.67E-11	1.54E-10	1.06E-11	2.11E-10
6818	468796.62	3819502.17	5.38E-10	2.26E-09	2.03E-10	3.00E-09	4.48E-10	1.66E-09	1.46E-10	2.25E-09	5.08E-11	2.91E-10	3.47E-11	3.76E-10	4.62E-11	1.52E-10	1.05E-11	2.09E-10
6819	468793.1	3819493.21	5.31E-10	2.23E-09	2.01E-10	2.96E-09	4.42E-10	1.64E-09	1.44E-10	2.23E-09	5.01E-11	2.87E-10	3.43E-11	3.71E-10	4.56E-11	1.50E-10	1.04E-11	2.06E-10
6820	468789.58	3819484.26	5.24E-10	2.20E-09	1.98E-10	2.92E-09	4.37E-10	1.62E-09	1.42E-10	2.20E-09	4.95E-11	2.83E-10	3.38E-11	3.67E-10	4.50E-11	1.48E-10	1.02E-11	2.04E-10
6821	468786.07	3819475.3	5.18E-10	2.18E-09	1.96E-10	2.89E-09	4.31E-10	1.60E-09	1.41E-10	2.17E-09	4.89E-11	2.80E-10	3.34E-11	3.62E-10	4.45E-11	1.47E-10	1.01E-11	2.01E-10
6822	468782.55	3819466.35	5.13E-10	2.15E-09	1.94E-10	2.86E-09	4.27E-10	1.58E-09	1.39E-10	2.15E-09	4.84E-11	2.77E-10	3.31E-11	3.59E-10	4.40E-11	1.45E-10	1.00E-11	1.99E-10
6823	468779.03	3819457.39	5.08E-10	2.13E-09	1.92E-10	2.83E-09	4.23E-10	1.57E-09	1.38E-10	2.13E-09	4.79E-11	2.74E-10	3.27E-11	3.55E-10	4.36E-11	1.44E-10	9.91E-12	1.97E-10
6824	468775.52	3819448.44	5.04E-10	2.11E-09	1.90E-10	2.81E-09	4.19E-10	1.55E-09	1.37E-10	2.11E-09	4.76E-11	2.72E-10	3.25E-11	3.52E-10	4.32E-11	1.43E-10	9.83E-12	1.96E-10
6825	468772	3819439.48	4.99E-10	2.09E-09	1.89E-10	2.78E-09	4.15E-10	1.54E-09	1.35E-10	2.09E-09	4.71E-11	2.70E-10	3.22E-11	3.49E-10	4.28E-11	1.41E-10	9.73E-12	1.94E-10
6826	468768.49	3819430.53	4.95E-10	2.08E-09	1.87E-10	2.76E-09	4.12E-10	1.53E-09	1.34E-10	2.07E-09	4.67E-11	2.67E-10	3.19E-11	3.46E-10	4.25E-11	1.40E-10	9.65E-12	1.92E-10
6827	470086.05	3820788.27	5.48E-09	2.30E-08	2.07E-09	3.06E-08	4.56E-09	1.69E-08	1.49E-09	2.30E-08	5.17E-10	2.96E-09	3.53E-10	3.83E-09	4.70E-10	1.55E-09	1.07E-10	2.13E-09
6828	470095.74	3820788.41	5.44E-09	2.29E-08	2.06E-09	3.04E-08	4.53E-09	1.68E-08	1.48E-09	2.28E-08	5.14E-10	2.94E-09	3.51E-10	3.81E-09	4.67E-10	1.54E-09	1.06E-10	2.11E-09
6829	470105.44	3820788.54	5.41E-09	2.27E-08	2.04E-09	3.02E-08	4.50E-09	1.67E-08	1.47E-09	2.27E-08	5.11E-10	2.92E-09	3.49E-10	3.78E-09	4.64E-10	1.53E-09	1.06E-10	2.10E-09
6830	470115.14	3820788.68	5.37E-09	2.25E-08	2.03E-09	2.99E-08	4.47E-09	1.66E-08	1.46E-09	2.25E-08	5.07E-10	2.90E-09	3.46E-10	3.76E-09	4.61E-10	1.52E-09	1.05E-10	2.09E-09

6831	470124.84	3820788.81	5.33E-09	2.24E-08	2.02E-09	2.97E-08	4.44E-09	1.65E-08	1.45E-09	2.23E-08	5.03E-10	2.88E-09	3.44E-10	3.73E-09	4.58E-10	1.51E-09	1.04E-10	2.07E-09
6832	470134.53	3820788.95	5.29E-09	2.22E-08	2.00E-09	2.95E-08	4.41E-09	1.63E-08	1.44E-09	2.22E-08	5.00E-10	2.86E-09	3.41E-10	3.70E-09	4.54E-10	1.50E-09	1.03E-10	2.06E-09
6833	470144.23	3820789.08	5.25E-09	2.20E-08	1.99E-09	2.93E-08	4.37E-09	1.62E-08	1.43E-09	2.20E-08	4.96E-10	2.84E-09	3.39E-10	3.67E-09	4.51E-10	1.49E-09	1.02E-10	2.04E-09
6834	470153.93	3820789.22	5.21E-09	2.19E-08	1.97E-09	2.91E-08	4.34E-09	1.61E-08	1.41E-09	2.18E-08	4.92E-10	2.82E-09	3.36E-10	3.64E-09	4.47E-10	1.47E-09	1.02E-10	2.02E-09
6835	470163.62	3820789.35	5.17E-09	2.17E-08	1.95E-09	2.88E-08	4.30E-09	1.59E-08	1.40E-09	2.16E-08	4.88E-10	2.79E-09	3.33E-10	3.61E-09	4.43E-10	1.46E-09	1.01E-10	2.01E-09
6836	470173.32	3820789.49	5.12E-09	2.15E-08	1.94E-09	2.86E-08	4.27E-09	1.58E-08	1.39E-09	2.15E-08	4.84E-10	2.77E-09	3.30E-10	3.58E-09	4.40E-10	1.45E-09	1.00E-10	1.99E-09
6837	470183.02	3820789.62	5.08E-09	2.13E-08	1.92E-09	2.83E-08	4.23E-09	1.57E-08	1.38E-09	2.13E-08	4.80E-10	2.75E-09	3.28E-10	3.55E-09	4.36E-10	1.44E-09	9.91E-11	1.97E-09
6838	470192.72	3820789.76	5.04E-09	2.11E-08	1.90E-09	2.81E-08	4.19E-09	1.55E-08	1.37E-09	2.11E-08	4.75E-10	2.72E-09	3.25E-10	3.52E-09	4.32E-10	1.43E-09	9.83E-11	1.96E-09
6839	470202.41	3820789.89	4.99E-09	2.10E-08	1.89E-09	2.78E-08	4.16E-09	1.54E-08	1.35E-09	2.09E-08	4.71E-10	2.70E-09	3.22E-10	3.49E-09	4.28E-10	1.41E-09	9.74E-11	1.94E-09
6840	470212.11	3820790.03	4.95E-09	2.08E-08	1.87E-09	2.76E-08	4.12E-09	1.53E-08	1.34E-09	2.07E-08	4.67E-10	2.67E-09	3.19E-10	3.46E-09	4.25E-10	1.40E-09	9.65E-11	1.92E-09
6841	470221.81	3820790.16	4.90E-09	2.06E-08	1.85E-09	2.74E-08	4.08E-09	1.51E-08	1.33E-09	2.05E-08	4.63E-10	2.65E-09	3.16E-10	3.43E-09	4.21E-10	1.39E-09	9.57E-11	1.90E-09
6842	470231.51	3820790.3	4.86E-09	2.04E-08	1.84E-09	2.71E-08	4.05E-09	1.50E-08	1.32E-09	2.04E-08	4.59E-10	2.63E-09	3.14E-10	3.40E-09	4.17E-10	1.38E-09	9.49E-11	1.89E-09
6843	470241.2	3820790.43	4.82E-09	2.02E-08	1.82E-09	2.69E-08	4.01E-09	1.49E-08	1.31E-09	2.02E-08	4.55E-10	2.60E-09	3.11E-10	3.37E-09	4.14E-10	1.36E-09	9.40E-11	1.87E-09
6844	470250.9	3820790.57	4.78E-09	2.01E-08	1.81E-09	2.66E-08	3.98E-09	1.47E-08	1.30E-09	2.00E-08	4.51E-10	2.58E-09	3.08E-10	3.34E-09	4.10E-10	1.35E-09	9.32E-11	1.85E-09
6845	470260.6	3820790.7	4.73E-09	1.99E-08	1.79E-09	2.64E-08	3.94E-09	1.46E-08	1.28E-09	1.98E-08	4.47E-10	2.56E-09	3.05E-10	3.31E-09	4.06E-10	1.34E-09	9.24E-11	1.84E-09
6846	470076.07	3820864.43	5.03E-09	2.11E-08	1.90E-09	2.81E-08	4.19E-09	1.55E-08	1.37E-09	2.11E-08	4.75E-10	2.72E-09	3.24E-10	3.52E-09	4.32E-10	1.42E-09	9.82E-11	1.95E-09
6847	470067.21	3820860.6	5.08E-09	2.13E-08	1.92E-09	2.83E-08	4.23E-09	1.57E-08	1.38E-09	2.13E-08	4.79E-10	2.74E-09	3.27E-10	3.55E-09	4.36E-10	1.44E-09	9.91E-11	1.97E-09
6848	470058.35	3820856.77	5.12E-09	2.15E-08	1.94E-09	2.86E-08	4.27E-09	1.58E-08	1.39E-09	2.15E-08	4.84E-10	2.77E-09	3.30E-10	3.58E-09	4.40E-10	1.45E-09	1.00E-10	1.99E-09
6849	470049.49	3820852.94	5.17E-09	2.17E-08	1.95E-09	2.88E-08	4.30E-09	1.59E-08	1.40E-09	2.17E-08	4.88E-10	2.79E-09	3.33E-10	3.62E-09	4.44E-10	1.46E-09	1.01E-10	2.01E-09
6850	469969.75	3820818.45	5.50E-09	2.31E-08	2.08E-09	3.07E-08	4.58E-09	1.70E-08	1.49E-09	2.30E-08	5.19E-10	2.97E-09	3.55E-10	3.85E-09	4.72E-10	1.56E-09	1.07E-10	2.14E-09
6851	469960.89	3820814.62	5.53E-09	2.32E-08	2.09E-09	3.08E-08	4.60E-09	1.70E-08	1.50E-09	2.32E-08	5.22E-10	2.99E-09	3.56E-10	3.87E-09	4.74E-10	1.56E-09	1.08E-10	2.15E-09
6852	469952.03	3820810.79	5.55E-09	2.33E-08	2.10E-09	3.10E-08	4.62E-09	1.71E-08	1.51E-09	2.33E-08	5.24E-10	3.00E-09	3.58E-10	3.88E-09	4.76E-10	1.57E-09	1.08E-10	2.16E-09
6853	469943.17	3820806.96	5.57E-09	2.34E-08	2.11E-09	3.11E-08	4.64E-09	1.72E-08	1.51E-09	2.33E-08	5.26E-10	3.01E-09	3.59E-10	3.90E-09	4.78E-10	1.58E-09	1.09E-10	2.16E-09
6854	469934.31	3820803.13	5.59E-09	2.35E-08	2.11E-09	3.12E-08	4.66E-09	1.73E-08	1.52E-09	2.34E-08	5.28E-10	3.02E-09	3.61E-10	3.91E-09	4.80E-10	1.58E-09	1.09E-10	2.17E-09
6855	469925.45	3820799.3	5.61E-09	2.35E-08	2.12E-09	3.13E-08	4.67E-09	1.73E-08	1.52E-09	2.35E-08	5.29E-10	3.03E-09	3.62E-10	3.92E-09	4.81E-10	1.59E-09	1.09E-10	2.18E-09
6856	469916.59	3820795.46	5.62E-09	2.36E-08	2.13E-09	3.14E-08	4.68E-09	1.73E-08	1.53E-09	2.36E-08	5.31E-10	3.04E-09	3.63E-10	3.93E-09	4.83E-10	1.59E-09	1.10E-10	2.18E-09
6857	469907.73	3820791.63	5.63E-09	2.37E-08	2.13E-09	3.14E-08	4.69E-09	1.74E-08	1.53E-09	2.36E-08	5.32E-10	3.04E-09	3.63E-10	3.94E-09	4.84E-10	1.59E-09	1.10E-10	2.19E-09
6858	469898.87	3820787.8	5.64E-09	2.37E-08	2.13E-09	3.15E-08	4.70E-09	1.74E-08	1.53E-09	2.36E-08	5.33E-10	3.05E-09	3.64E-10	3.95E-09	4.84E-10	1.60E-09	1.10E-10	2.19E-09
6859	469890.01	3820783.97	5.64E-09	2.37E-08	2.13E-09	3.15E-08	4.70E-09	1.74E-08	1.53E-09	2.37E-08	5.33E-10	3.05E-09	3.64E-10	3.95E-09	4.85E-10	1.60E-09	1.10E-10	2.19E-09
6860	469881.15	3820780.14	5.65E-09	2.37E-08	2.14E-09	3.15E-08	4.70E-09	1.74E-08	1.53E-09	2.37E-08	5.33E-10	3.05E-09	3.64E-10	3.95E-09	4.85E-10	1.60E-09	1.10E-10	2.19E-09
6861	469872.29	3820776.31	5.65E-09	2.37E-08	2.14E-09	3.15E-08	4.70E-09	1.74E-08	1.53E-09	2.37E-08	5.33E-10	3.05E-09	3.64E-10	3.95E-09	4.85E-10	1.60E-09	1.10E-10	2.19E-09
6862	469863.42	3820772.48	5.64E-09	2.37E-08	2.13E-09	3.15E-08	4.70E-09	1.74E-08	1.53E-09	2.36E-08	5.33E-10	3.05E-09	3.64E-10	3.95E-09	4.84E-10	1.60E-09	1.10E-10	2.19E-09
6863	469854.56	3820768.64	5.64E-09	2.37E-08	2.13E-09	3.14E-08	4.70E-09	1.74E-08	1.53E-09	2.36E-08	5.32E-10	3.05E-09	3.64E-10	3.94E-09	4.84E-10	1.60E-09	1.10E-10	2.19E-09
6864	469845.7	3820764.81	5.63E-09	2.36E-08	2.13E-09	3.14E-08	4.69E-09	1.74E-08	1.53E-09	2.36E-08	5.31E-10	3.04E-09	3.63E-10	3.94E-09	4.83E-10	1.59E-09	1.10E-10	2.19E-09
6865	469836.84	3820760.98	5.62E-09	2.36E-08	2.12E-09	3.13E-08	4.68E-09	1.73E-08	1.52E-09	2.35E-08	5.30E-10	3.04E-09	3.62E-10	3.93E-09	4.82E-10	1.59E-09	1.10E-10	2.18E-09
6866	469827.98	3820757.15	5.60E-09	2.35E-08	2.12E-09	3.13E-08	4.67E-09	1.73E-08	1.52E-09	2.35E-08	5.29E-10	3.03E-09	3.61E-10	3.92E-09	4.81E-10	1.59E-09	1.09E-10	2.18E-09
6867	469819.12	3820753.32	5.59E-09	2.35E-08	2.11E-09	3.12E-08	4.65E-09	1.72E-08	1.52E-09	2.34E-08	5.28E-10	3.02E-09	3.60E-10	3.91E-09	4.80E-10	1.58E-09	1.09E-10	2.17E-09
6868	469810.26	3820749.49	5.57E-09	2.34E-08	2.11E-09	3.11E-08	4.64E-09	1.72E-08	1.51E-09	2.33E-08	5.26E-10	3.01E-09	3.59E-10	3.90E-09	4.78E-10	1.58E-09	1.09E-10	2.16E-09
6869	469801.4	3820745.66	5.55E-09	2.33E-08	2.10E-09	3.10E-08	4.62E-09	1.71E-08	1.51E-09	2.33E-08	5.24E-10	3.00E-09	3.58E-10	3.88E-09	4.77E-10	1.57E-09	1.08E-10	2.16E-09
6870	469792.54	3820741.82	5.53E-09	2.32E-08	2.09E-09	3.08E-08	4.61E-09	1.71E-08	1.50E-09	2.32E-08	5.22E-10	2.99E-09	3.57E-10	3.87E-09	4.75E-10	1.57E-09	1.08E-10	2.15E-09
6871	469783.68	3820737.99	5.51E-09	2.31E-08	2.08E-09	3.07E-08	4.59E-09	1.70E-08	1.49E-09	2.31E-08	5.20E-10	2.98E-09	3.55E-10	3.85E-09	4.73E-10	1.56E-09	1.07E-10	2.14E-09
6872	469774.82	3820734.16	5.48E-09	2.30E-08	2.07E-09	3.06E-08	4.56E-09	1.69E-08	1.49E-09	2.30E-08	5.17E-10	2.96E-09	3.53E-10	3.83E-09	4.70E-10	1.55E-09	1.07E-10	2.13E-09
6873	469765.96	3820730.33	5.45E-09	2.29E-08	2.06E-09	3.04E-08	4.54E-09	1.68E-08	1.48E-09	2.28E-08	5.15E-10	2.95E-09	3.52E-10	3.81E-09	4.68E-10	1.54E-09	1.06E-10	2.12E-09
6874	469757.1	3820726.5	5.42E-09	2.28E-08	2.05E-09	3.02E-08	4.52E-09	1.67E-08	1.47E-09	2.27E-08	5.12E-10	2.93E-09	3.50E-10	3.79E-09	4.65E-10	1.53E-09	1.06E-10	2.11E-09
6875	469748.24	3820722.67	5.39E-09	2.26E-08	2.04E-09	3.01E-08	4.49E-09	1.66E-08	1.46E-09	2.26E-08	5.09E-10	2.91E-09	3.48E-10	3.77E-09	4.63E-10	1.53E-09	1.05E-10	2.09E-09
6876	469739.38	3820718.84	5.36E-09	2.25E-08	2.03E-09	2.99E-08	4.46E-09	1.65E-08	1.45E-09	2.24E-08	5.06E-10	2.90E-09	3.45E-10	3.75E-09	4.60E-10	1.52E-09	1.05E-10	2.08E-09
6877	469730.52	3820715	5.32E-09	2.24E-08	2.01E-09	2.97E-08	4.43E-09	1.64E-08	1.44E-09	2.23E-08	5.03E-10	2.88E-09	3.43E-10	3.72E-09	4.57E-10	1.51E-09	1.04E-10	2.07E-09
6878	469721.66	3820711.17	5.29E-09	2.22E-08	2.00E-09	2.95E-08	4.40E-09	1.63E-08	1.44E-09	2.22E-08	4.99E-10	2.86E-09	3.41E-10	3.70E-09	4.54E-10	1.50E-09	1.03E-10	2.05E-09
6879	469712.8	3820707.34	5.25E-09	2.21E-08	1.99E-09	2.93E-08	4.37E-09	1.62E-08	1.43E-09	2.20E-08	4.96E-10	2.84E-09	3.39E-10	3.67E-09	4.51E-10	1.49E-09	1.02E-10	2.04E-09
6880	469703.94	3820703.51	5.21E-09	2.19E-08	1.97E-09	2.91E-08	4.34E-09	1.61E-08	1.42E-09	2.18E-08	4.92E-10	2.82E-09	3.36E-10	3.65E-09	4.48E-10	1.48E-09	1.02E-10	2.03E-09
6881	469624.2	3820669.03	4.86E-09	2.04E-08	1.84E-09	2.71E-08	4.05E-09	1.50E-08	1.32E-09	2.04E-08	4.59E-10	2.63E-09	3.13E-10	3.40E-09	4.17E-10	1.38E-09	9.48E-11	1.89E-09

6882	469615.33	3820665.2	4.82E-09	2.02E-08	1.82E-09	2.69E-08	4.01E-09	1.49E-08	1.31E-09	2.02E-08	4.55E-10	2.60E-09	3.11E-10	3.37E-09	4.14E-10	1.36E-09	9.40E-11	1.87E-09
6883	469606.47	3820661.36	4.78E-09	2.01E-08	1.81E-09	2.67E-08	3.98E-09	1.47E-08	1.30E-09	2.00E-08	4.51E-10	2.58E-09	3.08E-10	3.34E-09	4.10E-10	1.35E-09	9.32E-11	1.86E-09
6884	469597.61	3820657.53	4.74E-09	1.99E-08	1.79E-09	2.64E-08	3.95E-09	1.46E-08	1.29E-09	1.99E-08	4.48E-10	2.56E-09	3.06E-10	3.32E-09	4.07E-10	1.34E-09	9.25E-11	1.84E-09
6885	469588.75	3820653.7	4.70E-09	1.97E-08	1.78E-09	2.62E-08	3.92E-09	1.45E-08	1.28E-09	1.97E-08	4.44E-10	2.54E-09	3.03E-10	3.29E-09	4.04E-10	1.33E-09	9.17E-11	1.83E-09
6886	469579.89	3820649.87	4.66E-09	1.96E-08	1.76E-09	2.60E-08	3.88E-09	1.44E-08	1.27E-09	1.95E-08	4.40E-10	2.52E-09	3.01E-10	3.26E-09	4.00E-10	1.32E-09	9.10E-11	1.81E-09
6887	469571.03	3820646.04	4.62E-09	1.94E-08	1.75E-09	2.58E-08	3.85E-09	1.43E-08	1.25E-09	1.94E-08	4.36E-10	2.50E-09	2.98E-10	3.23E-09	3.97E-10	1.31E-09	9.02E-11	1.80E-09
6888	469562.17	3820642.21	4.58E-09	1.93E-08	1.73E-09	2.56E-08	3.82E-09	1.41E-08	1.24E-09	1.92E-08	4.33E-10	2.48E-09	2.96E-10	3.21E-09	3.94E-10	1.30E-09	8.95E-11	1.78E-09
6889	469553.31	3820638.38	4.55E-09	1.91E-08	1.72E-09	2.54E-08	3.79E-09	1.40E-08	1.23E-09	1.91E-08	4.29E-10	2.46E-09	2.93E-10	3.18E-09	3.90E-10	1.29E-09	8.87E-11	1.77E-09
6890	469544.45	3820634.54	4.51E-09	1.89E-08	1.71E-09	2.52E-08	3.76E-09	1.39E-08	1.22E-09	1.89E-08	4.26E-10	2.44E-09	2.91E-10	3.16E-09	3.87E-10	1.28E-09	8.80E-11	1.75E-09
6891	469535.59	3820630.71	4.48E-09	1.88E-08	1.69E-09	2.50E-08	3.73E-09	1.38E-08	1.22E-09	1.88E-08	4.23E-10	2.42E-09	2.89E-10	3.13E-09	3.84E-10	1.27E-09	8.73E-11	1.74E-09
6892	469526.73	3820626.88	4.44E-09	1.87E-08	1.68E-09	2.48E-08	3.70E-09	1.37E-08	1.21E-09	1.86E-08	4.19E-10	2.40E-09	2.86E-10	3.11E-09	3.81E-10	1.26E-09	8.67E-11	1.73E-09
6893	469517.87	3820623.05	4.41E-09	1.85E-08	1.67E-09	2.46E-08	3.67E-09	1.36E-08	1.20E-09	1.85E-08	4.16E-10	2.38E-09	2.84E-10	3.08E-09	3.78E-10	1.25E-09	8.60E-11	1.71E-09
6894	469509.01	3820619.22	4.37E-09	1.84E-08	1.65E-09	2.44E-08	3.64E-09	1.35E-08	1.19E-09	1.83E-08	4.13E-10	2.36E-09	2.82E-10	3.06E-09	3.75E-10	1.24E-09	8.53E-11	1.70E-09
6895	469500.15	3820615.39	4.34E-09	1.82E-08	1.64E-09	2.42E-08	3.62E-09	1.34E-08	1.18E-09	1.82E-08	4.10E-10	2.35E-09	2.80E-10	3.04E-09	3.73E-10	1.23E-09	8.47E-11	1.69E-09
6896	469491.29	3820611.56	4.31E-09	1.81E-08	1.63E-09	2.40E-08	3.59E-09	1.33E-08	1.17E-09	1.81E-08	4.07E-10	2.33E-09	2.78E-10	3.01E-09	3.70E-10	1.22E-09	8.41E-11	1.67E-09
6897	469482.43	3820607.72	4.28E-09	1.80E-08	1.62E-09	2.39E-08	3.56E-09	1.32E-08	1.16E-09	1.79E-08	4.04E-10	2.31E-09	2.76E-10	2.99E-09	3.67E-10	1.21E-09	8.34E-11	1.66E-09
6898	469473.57	3820603.89	4.25E-09	1.78E-08	1.61E-09	2.37E-08	3.54E-09	1.31E-08	1.15E-09	1.78E-08	4.01E-10	2.30E-09	2.74E-10	2.97E-09	3.65E-10	1.20E-09	8.29E-11	1.65E-09
6899	469464.71	3820600.06	4.22E-09	1.77E-08	1.60E-09	2.35E-08	3.51E-09	1.30E-08	1.14E-09	1.77E-08	3.98E-10	2.28E-09	2.72E-10	2.95E-09	3.62E-10	1.19E-09	8.23E-11	1.64E-09
6900	469455.85	3820596.23	4.19E-09	1.76E-08	1.58E-09	2.34E-08	3.49E-09	1.29E-08	1.14E-09	1.76E-08	3.96E-10	2.26E-09	2.70E-10	2.93E-09	3.60E-10	1.19E-09	8.17E-11	1.63E-09
6901	469446.99	3820592.4	4.16E-09	1.75E-08	1.57E-09	2.32E-08	3.47E-09	1.28E-08	1.13E-09	1.74E-08	3.93E-10	2.25E-09	2.68E-10	2.91E-09	3.57E-10	1.18E-09	8.12E-11	1.62E-09
6902	469438.13	3820588.57	4.13E-09	1.74E-08	1.56E-09	2.30E-08	3.44E-09	1.28E-08	1.12E-09	1.73E-08	3.90E-10	2.23E-09	2.67E-10	2.89E-09	3.55E-10	1.17E-09	8.06E-11	1.61E-09
6903	469429.27	3820584.73	4.10E-09	1.72E-08	1.55E-09	2.29E-08	3.42E-09	1.27E-08	1.11E-09	1.72E-08	3.88E-10	2.22E-09	2.65E-10	2.87E-09	3.52E-10	1.16E-09	8.01E-11	1.59E-09
6904	469420.41	3820580.9	4.08E-09	1.71E-08	1.54E-09	2.27E-08	3.40E-09	1.26E-08	1.11E-09	1.71E-08	3.85E-10	2.20E-09	2.63E-10	2.85E-09	3.50E-10	1.15E-09	7.96E-11	1.58E-09
6905	469411.55	3820577.07	4.05E-09	1.70E-08	1.53E-09	2.26E-08	3.38E-09	1.25E-08	1.10E-09	1.70E-08	3.83E-10	2.19E-09	2.61E-10	2.83E-09	3.48E-10	1.15E-09	7.91E-11	1.57E-09
6906	469402.69	3820573.24	4.03E-09	1.69E-08	1.52E-09	2.25E-08	3.35E-09	1.24E-08	1.09E-09	1.69E-08	3.80E-10	2.18E-09	2.60E-10	2.82E-09	3.46E-10	1.14E-09	7.86E-11	1.56E-09
6907	469393.83	3820569.41	4.00E-09	1.68E-08	1.51E-09	2.23E-08	3.33E-09	1.23E-08	1.09E-09	1.68E-08	3.78E-10	2.16E-09	2.58E-10	2.80E-09	3.44E-10	1.13E-09	7.81E-11	1.55E-09
6908	469384.97	3820565.58	3.98E-09	1.67E-08	1.50E-09	2.22E-08	3.31E-09	1.23E-08	1.08E-09	1.67E-08	3.76E-10	2.15E-09	2.56E-10	2.78E-09	3.41E-10	1.13E-09	7.76E-11	1.54E-09
6909	469376.11	3820561.75	3.95E-09	1.66E-08	1.49E-09	2.20E-08	3.29E-09	1.22E-08	1.07E-09	1.66E-08	3.73E-10	2.14E-09	2.55E-10	2.76E-09	3.39E-10	1.12E-09	7.71E-11	1.53E-09
6910	469367.25	3820557.91	3.93E-09	1.65E-08	1.49E-09	2.19E-08	3.27E-09	1.21E-08	1.07E-09	1.65E-08	3.71E-10	2.12E-09	2.53E-10	2.75E-09	3.37E-10	1.11E-09	7.66E-11	1.53E-09
6911	469358.38	3820554.08	3.90E-09	1.64E-08	1.48E-09	2.18E-08	3.25E-09	1.20E-08	1.06E-09	1.64E-08	3.69E-10	2.11E-09	2.52E-10	2.73E-09	3.35E-10	1.10E-09	7.61E-11	1.52E-09
6912	469349.52	3820550.25	3.88E-09	1.63E-08	1.47E-09	2.16E-08	3.23E-09	1.20E-08	1.05E-09	1.63E-08	3.66E-10	2.10E-09	2.50E-10	2.71E-09	3.33E-10	1.10E-09	7.57E-11	1.51E-09
6913	469340.66	3820546.42	3.85E-09	1.62E-08	1.46E-09	2.15E-08	3.21E-09	1.19E-08	1.05E-09	1.62E-08	3.64E-10	2.08E-09	2.49E-10	2.70E-09	3.31E-10	1.09E-09	7.52E-11	1.50E-09
6914	469331.8	3820542.59	3.83E-09	1.61E-08	1.45E-09	2.14E-08	3.19E-09	1.18E-08	1.04E-09	1.61E-08	3.62E-10	2.07E-09	2.47E-10	2.68E-09	3.29E-10	1.08E-09	7.47E-11	1.49E-09
6915	469296.36	3820527.26	3.74E-09	1.57E-08	1.41E-09	2.08E-08	3.11E-09	1.15E-08	1.01E-09	1.57E-08	3.53E-10	2.02E-09	2.41E-10	2.61E-09	3.21E-10	1.06E-09	7.29E-11	1.45E-09
6916	469287.5	3820523.43	3.71E-09	1.56E-08	1.40E-09	2.07E-08	3.09E-09	1.14E-08	1.01E-09	1.55E-08	3.50E-10	2.01E-09	2.39E-10	2.60E-09	3.19E-10	1.05E-09	7.24E-11	1.44E-09
6917	469278.64	3820519.6	3.69E-09	1.55E-08	1.39E-09	2.06E-08	3.07E-09	1.14E-08	1.00E-09	1.54E-08	3.48E-10	1.99E-09	2.38E-10	2.58E-09	3.16E-10	1.04E-09	7.19E-11	1.43E-09
6918	469269.78	3820515.77	3.66E-09	1.54E-08	1.38E-09	2.04E-08	3.05E-09	1.13E-08	9.94E-10	1.53E-08	3.46E-10	1.98E-09	2.36E-10	2.56E-09	3.14E-10	1.04E-09	7.14E-11	1.42E-09
6919	469260.92	3820511.94	3.63E-09	1.53E-08	1.37E-09	2.03E-08	3.03E-09	1.12E-08	9.87E-10	1.52E-08	3.43E-10	1.97E-09	2.34E-10	2.54E-09	3.12E-10	1.03E-09	7.09E-11	1.41E-09
6920	469252.06	3820508.11	3.61E-09	1.52E-08	1.36E-09	2.01E-08	3.01E-09	1.11E-08	9.80E-10	1.51E-08	3.41E-10	1.95E-09	2.33E-10	2.52E-09	3.10E-10	1.02E-09	7.04E-11	1.40E-09
6921	469243.2	3820504.27	3.58E-09	1.50E-08	1.36E-09	2.00E-08	2.98E-09	1.11E-08	9.73E-10	1.50E-08	3.38E-10	1.94E-09	2.31E-10	2.51E-09	3.08E-10	1.01E-09	6.99E-11	1.39E-09
6922	469234.34	3820500.44	3.56E-09	1.49E-08	1.34E-09	1.98E-08	2.96E-09	1.10E-08	9.65E-10	1.49E-08	3.36E-10	1.92E-09	2.29E-10	2.49E-09	3.05E-10	1.01E-09	6.94E-11	1.38E-09
6923	469225.48	3820496.61	3.53E-09	1.48E-08	1.33E-09	1.97E-08	2.94E-09	1.09E-08	9.58E-10	1.48E-08	3.33E-10	1.91E-09	2.28E-10	2.47E-09	3.03E-10	9.99E-10	6.89E-11	1.37E-09
6924	469216.62	3820492.78	3.50E-09	1.47E-08	1.32E-09	1.95E-08	2.92E-09	1.08E-08	9.51E-10	1.47E-08	3.31E-10	1.89E-09	2.26E-10	2.45E-09	3.01E-10	9.91E-10	6.83E-11	1.36E-09
6925	469207.76	3820488.95	3.47E-09	1.46E-08	1.31E-09	1.94E-08	2.89E-09	1.07E-08	9.43E-10	1.46E-08	3.28E-10	1.88E-09	2.24E-10	2.43E-09	2.98E-10	9.83E-10	6.78E-11	1.35E-09
6926	469198.9	3820485.12	3.45E-09	1.45E-08	1.30E-09	1.92E-08	2.87E-09	1.06E-08	9.35E-10	1.44E-08	3.25E-10	1.86E-09	2.22E-10	2.41E-09	2.96E-10	9.76E-10	6.72E-11	1.34E-09
6927	469190.04	3820481.29	3.42E-09	1.44E-08	1.29E-09	1.91E-08	2.85E-09	1.05E-08	9.28E-10	1.43E-08	3.23E-10	1.85E-09	2.20E-10	2.39E-09	2.93E-10	9.68E-10	6.67E-11	1.33E-09
6928	469181.18	3820477.45	3.39E-09	1.42E-08	1.28E-09	1.89E-08	2.82E-09	1.05E-08	9.20E-10	1.42E-08	3.20E-10	1.83E-09	2.19E-10	2.37E-09	2.91E-10	9.59E-10	6.61E-11	1.32E-09
6929	469172.32	3820473.62	3.36E-09	1.41E-08	1.27E-09	1.87E-08	2.80E-09	1.04E-08	9.12E-10	1.41E-08	3.17E-10	1.82E-09	2.17E-10	2.35E-09	2.88E-10	9.51E-10	6.56E-11	1.31E-09
6930	469163.46	3820469.79	3.33E-09	1.40E-08	1.26E-09	1.86E-08	2.77E-09	1.03E-08	9.04E-10	1.40E-08	3.14E-10	1.80E-09	2.15E-10	2.33E-09	2.86E-10	9.43E-10	6.50E-11	1.29E-09
6931	469154.6	3820465.96	3.30E-09	1.39E-08	1.25E-09	1.84E-08	2.75E-09	1.02E-08	8.96E-10	1.38E-08	3.12E-10	1.78E-09	2.13E-10	2.31E-09	2.83E-10	9.34E-10	6.44E-11	1.28E-09
6932	469145.74	3820462.13	3.27E-09	1.37E-08	1.24E-09	1.82E-08	2.72E-09	1.01E-08	8.87E-10	1.37E-08	3.09E-10	1.77E-09	2.11E-10	2.29E-09	2.81E-10	9.25E-10	6.38E-11	1.27E-09

6933	469136.88	3820458.3	3.24E-09	1.36E-08	1.22E-09	1.81E-08	2.70E-09	9.99E-09	8.79E-10	1.36E-08	3.06E-10	1.75E-09	2.09E-10	2.27E-09	2.78E-10	9.17E-10	6.32E-11	1.26E-09
6934	469128.02	3820454.47	3.21E-09	1.35E-08	1.21E-09	1.79E-08	2.67E-09	9.90E-09	8.71E-10	1.34E-08	3.03E-10	1.73E-09	2.07E-10	2.24E-09	2.75E-10	9.08E-10	6.26E-11	1.25E-09
6935	469119.16	3820450.63	3.17E-09	1.33E-08	1.20E-09	1.77E-08	2.64E-09	9.80E-09	8.62E-10	1.33E-08	3.00E-10	1.72E-09	2.05E-10	2.22E-09	2.73E-10	8.99E-10	6.19E-11	1.23E-09
6936	469110.3	3820446.8	3.14E-09	1.32E-08	1.19E-09	1.75E-08	2.62E-09	9.69E-09	8.53E-10	1.32E-08	2.97E-10	1.70E-09	2.03E-10	2.20E-09	2.70E-10	8.89E-10	6.13E-11	1.22E-09
6937	469101.43	3820442.97	3.11E-09	1.31E-08	1.18E-09	1.73E-08	2.59E-09	9.59E-09	8.44E-10	1.30E-08	2.93E-10	1.68E-09	2.00E-10	2.17E-09	2.67E-10	8.80E-10	6.06E-11	1.21E-09
6938	469092.57	3820439.14	3.07E-09	1.29E-08	1.16E-09	1.71E-08	2.56E-09	9.48E-09	8.34E-10	1.29E-08	2.90E-10	1.66E-09	1.98E-10	2.15E-09	2.64E-10	8.70E-10	6.00E-11	1.19E-09
6939	469080.19	3820426.32	3.03E-09	1.27E-08	1.15E-09	1.69E-08	2.52E-09	9.35E-09	8.23E-10	1.27E-08	2.86E-10	1.64E-09	1.95E-10	2.12E-09	2.60E-10	8.58E-10	5.91E-11	1.18E-09
6940	469076.66	3820417.34	3.02E-09	1.27E-08	1.14E-09	1.68E-08	2.52E-09	9.32E-09	8.20E-10	1.27E-08	2.85E-10	1.63E-09	1.95E-10	2.11E-09	2.59E-10	8.55E-10	5.89E-11	1.17E-09
6941	469073.13	3820408.35	3.01E-09	1.26E-08	1.14E-09	1.68E-08	2.51E-09	9.28E-09	8.17E-10	1.26E-08	2.84E-10	1.63E-09	1.94E-10	2.10E-09	2.58E-10	8.52E-10	5.87E-11	1.17E-09
6942	469069.6	3820399.37	3.00E-09	1.26E-08	1.13E-09	1.67E-08	2.50E-09	9.25E-09	8.13E-10	1.26E-08	2.83E-10	1.62E-09	1.93E-10	2.10E-09	2.57E-10	8.48E-10	5.85E-11	1.16E-09
6943	469066.07	3820390.38	2.98E-09	1.25E-08	1.13E-09	1.66E-08	2.48E-09	9.21E-09	8.10E-10	1.25E-08	2.82E-10	1.61E-09	1.92E-10	2.09E-09	2.56E-10	8.44E-10	5.82E-11	1.16E-09
6944	469062.54	3820381.4	2.97E-09	1.25E-08	1.12E-09	1.66E-08	2.47E-09	9.16E-09	8.06E-10	1.24E-08	2.80E-10	1.61E-09	1.92E-10	2.08E-09	2.55E-10	8.41E-10	5.79E-11	1.15E-09
6945	469059.01	3820372.41	2.95E-09	1.24E-08	1.12E-09	1.65E-08	2.46E-09	9.12E-09	8.02E-10	1.24E-08	2.79E-10	1.60E-09	1.91E-10	2.07E-09	2.54E-10	8.36E-10	5.76E-11	1.15E-09
6946	469055.49	3820363.43	2.94E-09	1.23E-08	1.11E-09	1.64E-08	2.45E-09	9.07E-09	7.98E-10	1.23E-08	2.77E-10	1.59E-09	1.90E-10	2.06E-09	2.52E-10	8.32E-10	5.73E-11	1.14E-09
6947	469051.96	3820354.44	2.92E-09	1.23E-08	1.11E-09	1.63E-08	2.43E-09	9.02E-09	7.93E-10	1.22E-08	2.76E-10	1.58E-09	1.88E-10	2.04E-09	2.51E-10	8.27E-10	5.70E-11	1.13E-09
6948	469048.43	3820345.46	2.90E-09	1.22E-08	1.10E-09	1.62E-08	2.42E-09	8.96E-09	7.89E-10	1.22E-08	2.74E-10	1.57E-09	1.87E-10	2.03E-09	2.49E-10	8.22E-10	5.67E-11	1.13E-09
6949	469044.9	3820336.47	2.89E-09	1.21E-08	1.09E-09	1.61E-08	2.40E-09	8.91E-09	7.84E-10	1.21E-08	2.73E-10	1.56E-09	1.86E-10	2.02E-09	2.48E-10	8.17E-10	5.63E-11	1.12E-09
6950	469041.37	3820327.49	2.87E-09	1.20E-08	1.08E-09	1.60E-08	2.39E-09	8.85E-09	7.78E-10	1.20E-08	2.71E-10	1.55E-09	1.85E-10	2.01E-09	2.46E-10	8.12E-10	5.59E-11	1.11E-09
6951	469037.84	3820318.5	2.85E-09	1.20E-08	1.08E-09	1.59E-08	2.37E-09	8.78E-09	7.73E-10	1.19E-08	2.69E-10	1.54E-09	1.84E-10	1.99E-09	2.44E-10	8.06E-10	5.55E-11	1.11E-09
6952	469034.31	3820309.51	2.83E-09	1.19E-08	1.07E-09	1.58E-08	2.35E-09	8.72E-09	7.67E-10	1.18E-08	2.67E-10	1.53E-09	1.82E-10	1.98E-09	2.43E-10	8.00E-10	5.51E-11	1.10E-09
6953	469030.79	3820300.53	2.80E-09	1.18E-08	1.06E-09	1.56E-08	2.34E-09	8.65E-09	7.61E-10	1.17E-08	2.65E-10	1.52E-09	1.81E-10	1.96E-09	2.41E-10	7.94E-10	5.47E-11	1.09E-09
6954	469027.26	3820291.54	2.78E-09	1.17E-08	1.05E-09	1.55E-08	2.32E-09	8.58E-09	7.55E-10	1.17E-08	2.63E-10	1.50E-09	1.79E-10	1.95E-09	2.39E-10	7.87E-10	5.43E-11	1.08E-09
6955	469023.73	3820282.56	2.76E-09	1.16E-08	1.04E-09	1.54E-08	2.30E-09	8.51E-09	7.49E-10	1.16E-08	2.60E-10	1.49E-09	1.78E-10	1.93E-09	2.37E-10	7.81E-10	5.38E-11	1.07E-09
6956	469020.2	3820273.57	2.73E-09	1.15E-08	1.03E-09	1.52E-08	2.28E-09	8.43E-09	7.42E-10	1.15E-08	2.58E-10	1.48E-09	1.76E-10	1.91E-09	2.35E-10	7.74E-10	5.33E-11	1.06E-09
6957	469016.67	3820264.59	2.71E-09	1.14E-08	1.02E-09	1.51E-08	2.26E-09	8.36E-09	7.35E-10	1.13E-08	2.56E-10	1.46E-09	1.75E-10	1.89E-09	2.32E-10	7.67E-10	5.28E-11	1.05E-09
6958	469013.14	3820255.6	2.68E-09	1.13E-08	1.01E-09	1.50E-08	2.23E-09	8.28E-09	7.28E-10	1.12E-08	2.53E-10	1.45E-09	1.73E-10	1.88E-09	2.30E-10	7.59E-10	5.23E-11	1.04E-09
6959	469009.61	3820246.62	2.66E-09	1.12E-08	1.00E-09	1.48E-08	2.21E-09	8.20E-09	7.21E-10	1.11E-08	2.51E-10	1.44E-09	1.71E-10	1.86E-09	2.28E-10	7.52E-10	5.18E-11	1.03E-09
6960	469006.09	3820237.63	2.63E-09	1.10E-08	9.94E-10	1.47E-08	2.19E-09	8.11E-09	7.14E-10	1.10E-08	2.48E-10	1.42E-09	1.70E-10	1.84E-09	2.26E-10	7.44E-10	5.13E-11	1.02E-09
6961	469002.56	3820228.65	2.60E-09	1.09E-08	9.84E-10	1.45E-08	2.17E-09	8.03E-09	7.06E-10	1.09E-08	2.46E-10	1.41E-09	1.68E-10	1.82E-09	2.23E-10	7.36E-10	5.08E-11	1.01E-09
6962	468999.03	3820219.66	2.57E-09	1.08E-08	9.73E-10	1.43E-08	2.14E-09	7.94E-09	6.98E-10	1.08E-08	2.43E-10	1.39E-09	1.66E-10	1.80E-09	2.21E-10	7.28E-10	5.02E-11	9.99E-10
6963	468995.5	3820210.68	2.54E-09	1.07E-08	9.62E-10	1.42E-08	2.12E-09	7.85E-09	6.90E-10	1.07E-08	2.40E-10	1.37E-09	1.64E-10	1.78E-09	2.18E-10	7.20E-10	4.96E-11	9.88E-10
6964	468991.97	3820201.69	2.51E-09	1.06E-08	9.51E-10	1.40E-08	2.09E-09	7.76E-09	6.82E-10	1.05E-08	2.37E-10	1.36E-09	1.62E-10	1.76E-09	2.16E-10	7.12E-10	4.91E-11	9.76E-10
6965	468988.44	3820192.71	2.48E-09	1.04E-08	9.39E-10	1.39E-08	2.07E-09	7.66E-09	6.74E-10	1.04E-08	2.35E-10	1.34E-09	1.60E-10	1.74E-09	2.13E-10	7.03E-10	4.85E-11	9.65E-10
6966	468984.91	3820183.72	2.45E-09	1.03E-08	9.28E-10	1.37E-08	2.04E-09	7.57E-09	6.66E-10	1.03E-08	2.32E-10	1.33E-09	1.58E-10	1.72E-09	2.11E-10	6.94E-10	4.79E-11	9.53E-10
6967	468981.39	3820174.74	2.42E-09	1.02E-08	9.16E-10	1.35E-08	2.02E-09	7.47E-09	6.57E-10	1.01E-08	2.29E-10	1.31E-09	1.56E-10	1.69E-09	2.08E-10	6.85E-10	4.72E-11	9.40E-10
6968	468977.86	3820165.75	2.39E-09	1.00E-08	9.04E-10	1.33E-08	1.99E-09	7.37E-09	6.49E-10	1.00E-08	2.26E-10	1.29E-09	1.54E-10	1.67E-09	2.05E-10	6.76E-10	4.66E-11	9.28E-10
6969	468974.33	3820156.77	2.36E-09	9.90E-09	8.92E-10	1.31E-08	1.96E-09	7.27E-09	6.40E-10	9.88E-09	2.23E-10	1.27E-09	1.52E-10	1.65E-09	2.02E-10	6.67E-10	4.60E-11	9.16E-10
6970	468970.8	3820147.78	2.32E-09	9.76E-09	8.79E-10	1.30E-08	1.94E-09	7.17E-09	6.31E-10	9.74E-09	2.20E-10	1.26E-09	1.50E-10	1.63E-09	2.00E-10	6.58E-10	4.54E-11	9.03E-10
6971	468967.27	3820138.79	2.29E-09	9.62E-09	8.67E-10	1.28E-08	1.91E-09	7.07E-09	6.22E-10	9.60E-09	2.16E-10	1.24E-09	1.48E-10	1.60E-09	1.97E-10	6.49E-10	4.47E-11	8.90E-10
6972	468963.74	3820129.81	2.26E-09	9.48E-09	8.54E-10	1.26E-08	1.88E-09	6.97E-09	6.13E-10	9.46E-09	2.13E-10	1.22E-09	1.46E-10	1.58E-09	1.94E-10	6.39E-10	4.41E-11	8.77E-10
6973	468960.21	3820120.82	2.22E-09	9.34E-09	8.41E-10	1.24E-08	1.85E-09	6.86E-09	6.04E-10	9.32E-09	2.10E-10	1.20E-09	1.43E-10	1.56E-09	1.91E-10	6.30E-10	4.34E-11	8.64E-10
6974	468956.69	3820111.84	2.19E-09	9.19E-09	8.28E-10	1.22E-08	1.82E-09	6.76E-09	5.94E-10	9.17E-09	2.07E-10	1.18E-09	1.41E-10	1.53E-09	1.88E-10	6.20E-10	4.27E-11	8.50E-10
6975	468953.16	3820102.85	2.15E-09	9.05E-09	8.15E-10	1.20E-08	1.79E-09	6.65E-09	5.85E-10	9.03E-09	2.03E-10	1.16E-09	1.39E-10	1.51E-09	1.85E-10	6.10E-10	4.20E-11	8.37E-10
6976	468949.63	3820093.87	2.12E-09	8.90E-09	8.02E-10	1.18E-08	1.77E-09	6.54E-09	5.75E-10	8.88E-09	2.00E-10	1.15E-09	1.37E-10	1.48E-09	1.82E-10	6.00E-10	4.14E-11	8.23E-10
6977	468946.1	3820084.88	2.08E-09	8.75E-09	7.88E-10	1.16E-08	1.74E-09	6.43E-09	5.66E-10	8.73E-09	1.97E-10	1.13E-09	1.34E-10	1.46E-09	1.79E-10	5.90E-10	4.07E-11	8.10E-10
6978	468942.57	3820075.9	2.05E-09	8.61E-09	7.75E-10	1.14E-08	1.71E-09	6.32E-09	5.56E-10	8.59E-09	1.94E-10	1.11E-09	1.32E-10	1.43E-09	1.76E-10	5.80E-10	4.00E-11	7.96E-10
6979	468939.04	3820066.91	2.01E-09	8.46E-09	7.62E-10	1.12E-08	1.68E-09	6.22E-09	5.47E-10	8.44E-09	1.90E-10	1.09E-09	1.30E-10	1.41E-09	1.73E-10	5.70E-10	3.93E-11	7.82E-10
6980	468935.51	3820057.93	1.98E-09	8.31E-09	7.49E-10	1.10E-08	1.65E-09	6.11E-09	5.37E-10	8.29E-09	1.87E-10	1.07E-09	1.28E-10	1.38E-09	1.70E-10	5.60E-10	3.86E-11	7.69E-10
6981	468914.34	3820004.02	1.77E-09	7.42E-09	6.68E-10	9.85E-09	1.47E-09	5.45E-09	4.80E-10	7.40E-09	1.67E-10	9.55E-10	1.14E-10	1.24E-09	1.52E-10	5.00E-10	3.45E-11	6.86E-10
6982	468910.81	3819995.03	1.73E-09	7.27E-09	6.54E-10	9.65E-09	1.44E-09	5.34E-09	4.70E-10	7.25E-09	1.63E-10	9.35E-10	1.12E-10	1.21E-09	1.49E-10	4.90E-10	3.38E-11	6.72E-10
6983	468907.29	3819986.05	1.69E-09	7.11E-09	6.41E-10	9.45E-09	1.41E-09	5.23E-09	4.60E-10	7.10E-09	1.60E-10	9.16E-10	1.09E-10	1.18E-09	1.45E-10	4.80E-10	3.31E-11	6.58E-10

6984	468903.76	3819977.06	1.66E-09	6.96E-09	6.27E-10	9.25E-09	1.38E-09	5.12E-09	4.50E-10	6.95E-09	1.57E-10	8.96E-10	1.07E-10	1.16E-09	1.42E-10	4.69E-10	3.24E-11	6.44E-10
6985	468900.23	3819968.07	1.62E-09	6.82E-09	6.14E-10	9.05E-09	1.35E-09	5.01E-09	4.41E-10	6.80E-09	1.53E-10	8.78E-10	1.05E-10	1.14E-09	1.39E-10	4.59E-10	3.17E-11	6.31E-10
6986	468896.7	3819959.09	1.59E-09	6.67E-09	6.01E-10	8.86E-09	1.32E-09	4.90E-09	4.31E-10	6.66E-09	1.50E-10	8.59E-10	1.02E-10	1.11E-09	1.36E-10	4.50E-10	3.10E-11	6.17E-10
6987	468893.17	3819950.1	1.55E-09	6.53E-09	5.88E-10	8.67E-09	1.29E-09	4.80E-09	4.22E-10	6.51E-09	1.47E-10	8.40E-10	1.00E-10	1.09E-09	1.33E-10	4.40E-10	3.03E-11	6.04E-10
6988	468889.64	3819941.12	1.52E-09	6.39E-09	5.75E-10	8.48E-09	1.27E-09	4.69E-09	4.13E-10	6.37E-09	1.44E-10	8.22E-10	9.81E-11	1.06E-09	1.31E-10	4.31E-10	2.97E-11	5.91E-10
6989	468886.11	3819932.13	1.49E-09	6.25E-09	5.63E-10	8.30E-09	1.24E-09	4.59E-09	4.04E-10	6.23E-09	1.40E-10	8.04E-10	9.59E-11	1.04E-09	1.28E-10	4.21E-10	2.90E-11	5.78E-10
6990	468882.59	3819923.15	1.45E-09	6.11E-09	5.50E-10	8.11E-09	1.21E-09	4.49E-09	3.95E-10	6.09E-09	1.37E-10	7.86E-10	9.38E-11	1.02E-09	1.25E-10	4.12E-10	2.84E-11	5.65E-10
6991	468879.06	3819914.16	1.42E-09	5.97E-09	5.38E-10	7.93E-09	1.18E-09	4.39E-09	3.86E-10	5.96E-09	1.34E-10	7.69E-10	9.17E-11	9.94E-10	1.22E-10	4.02E-10	2.77E-11	5.52E-10
6992	468875.53	3819905.18	1.39E-09	5.83E-09	5.25E-10	7.75E-09	1.16E-09	4.29E-09	3.77E-10	5.82E-09	1.31E-10	7.51E-10	8.96E-11	9.72E-10	1.19E-10	3.93E-10	2.71E-11	5.40E-10
6993	468872	3819896.19	1.36E-09	5.70E-09	5.13E-10	7.57E-09	1.13E-09	4.19E-09	3.68E-10	5.69E-09	1.28E-10	7.34E-10	8.75E-11	9.49E-10	1.17E-10	3.84E-10	2.65E-11	5.27E-10
6994	468868.47	3819887.21	1.33E-09	5.57E-09	5.01E-10	7.39E-09	1.10E-09	4.09E-09	3.60E-10	5.55E-09	1.25E-10	7.17E-10	8.55E-11	9.27E-10	1.14E-10	3.75E-10	2.59E-11	5.15E-10
6995	468864.94	3819878.22	1.29E-09	5.44E-09	4.90E-10	7.22E-09	1.08E-09	4.00E-09	3.51E-10	5.43E-09	1.22E-10	7.00E-10	8.35E-11	9.06E-10	1.11E-10	3.66E-10	2.53E-11	5.03E-10
6996	468861.41	3819869.24	1.26E-09	5.31E-09	4.78E-10	7.05E-09	1.05E-09	3.90E-09	3.43E-10	5.30E-09	1.19E-10	6.83E-10	8.15E-11	8.84E-10	1.08E-10	3.58E-10	2.47E-11	4.91E-10
6997	468857.88	3819860.25	1.23E-09	5.18E-09	4.67E-10	6.88E-09	1.03E-09	3.81E-09	3.35E-10	5.17E-09	1.16E-10	6.67E-10	7.96E-11	8.63E-10	1.06E-10	3.49E-10	2.41E-11	4.79E-10
6998	468854.36	3819851.27	1.20E-09	5.06E-09	4.55E-10	6.72E-09	1.00E-09	3.72E-09	3.27E-10	5.05E-09	1.14E-10	6.51E-10	7.77E-11	8.42E-10	1.03E-10	3.41E-10	2.35E-11	4.68E-10
6999	468850.83	3819842.28	1.17E-09	4.93E-09	4.44E-10	6.55E-09	9.78E-10	3.62E-09	3.19E-10	4.92E-09	1.11E-10	6.35E-10	7.57E-11	8.21E-10	1.01E-10	3.32E-10	2.29E-11	4.56E-10
7000	468847.3	3819833.3	1.14E-09	4.81E-09	4.33E-10	6.38E-09	9.53E-10	3.53E-09	3.11E-10	4.80E-09	1.08E-10	6.19E-10	7.38E-11	8.01E-10	9.82E-11	3.24E-10	2.23E-11	4.45E-10
7001	468843.77	3819824.31	1.12E-09	4.69E-09	4.22E-10	6.23E-09	9.30E-10	3.44E-09	3.03E-10	4.68E-09	1.05E-10	6.03E-10	7.20E-11	7.81E-10	9.58E-11	3.16E-10	2.18E-11	4.34E-10
7002	468840.24	3819815.33	1.09E-09	4.57E-09	4.12E-10	6.07E-09	9.07E-10	3.36E-09	2.96E-10	4.56E-09	1.03E-10	5.89E-10	7.02E-11	7.62E-10	9.35E-11	3.08E-10	2.12E-11	4.23E-10
7003	468836.71	3819806.34	1.06E-09	4.46E-09	4.02E-10	5.92E-09	8.85E-10	3.28E-09	2.88E-10	4.45E-09	1.00E-10	5.74E-10	6.85E-11	7.43E-10	9.12E-11	3.01E-10	2.07E-11	4.13E-10
7004	468833.18	3819797.35	1.04E-09	4.35E-09	3.92E-10	5.78E-09	8.63E-10	3.20E-09	2.81E-10	4.34E-09	9.78E-11	5.60E-10	6.68E-11	7.25E-10	8.89E-11	2.93E-10	2.02E-11	4.02E-10
7005	468829.66	3819788.37	1.01E-09	4.24E-09	3.82E-10	5.64E-09	8.42E-10	3.12E-09	2.74E-10	4.23E-09	9.54E-11	5.46E-10	6.52E-11	7.07E-10	8.68E-11	2.86E-10	1.97E-11	3.93E-10
7006	468826.13	3819779.38	9.86E-10	4.14E-09	3.73E-10	5.50E-09	8.21E-10	3.04E-09	2.68E-10	4.13E-09	9.31E-11	5.33E-10	6.36E-11	6.90E-10	8.46E-11	2.79E-10	1.92E-11	3.83E-10
7007	468822.6	3819770.4	9.62E-10	4.04E-09	3.64E-10	5.37E-09	8.01E-10	2.97E-09	2.61E-10	4.03E-09	9.08E-11	5.20E-10	6.20E-11	6.73E-10	8.26E-11	2.72E-10	1.88E-11	3.74E-10
7008	468819.07	3819761.41	9.38E-10	3.94E-09	3.55E-10	5.23E-09	7.81E-10	2.89E-09	2.55E-10	3.93E-09	8.86E-11	5.07E-10	6.05E-11	6.56E-10	8.05E-11	2.65E-10	1.83E-11	3.64E-10
7009	468815.54	3819752.43	9.15E-10	3.84E-09	3.46E-10	5.10E-09	7.62E-10	2.82E-09	2.48E-10	3.83E-09	8.64E-11	4.94E-10	5.90E-11	6.40E-10	7.85E-11	2.59E-10	1.78E-11	3.55E-10
7010	468812.01	3819743.44	8.92E-10	3.75E-09	3.37E-10	4.97E-09	7.43E-10	2.75E-09	2.42E-10	3.74E-09	8.42E-11	4.82E-10	5.75E-11	6.24E-10	7.66E-11	2.52E-10	1.74E-11	3.46E-10
7011	468808.48	3819734.46	8.70E-10	3.65E-09	3.29E-10	4.85E-09	7.25E-10	2.68E-09	2.36E-10	3.65E-09	8.22E-11	4.70E-10	5.61E-11	6.09E-10	7.47E-11	2.46E-10	1.70E-11	3.38E-10
7012	468804.96	3819725.47	8.49E-10	3.56E-09	3.21E-10	4.73E-09	7.07E-10	2.62E-09	2.30E-10	3.56E-09	8.01E-11	4.59E-10	5.47E-11	5.94E-10	7.29E-11	2.40E-10	1.66E-11	3.30E-10
7013	468801.43	3819716.49	8.28E-10	3.48E-09	3.13E-10	4.62E-09	6.90E-10	2.56E-09	2.25E-10	3.47E-09	7.82E-11	4.48E-10	5.34E-11	5.79E-10	7.11E-11	2.34E-10	1.62E-11	3.22E-10
7014	468797.9	3819707.5	8.08E-10	3.39E-09	3.06E-10	4.51E-09	6.73E-10	2.49E-09	2.19E-10	3.39E-09	7.63E-11	4.37E-10	5.21E-11	5.65E-10	6.94E-11	2.29E-10	1.58E-11	3.14E-10
7015	468794.37	3819698.52	7.89E-10	3.31E-09	2.98E-10	4.40E-09	6.57E-10	2.43E-09	2.14E-10	3.31E-09	7.45E-11	4.27E-10	5.09E-11	5.52E-10	6.77E-11	2.23E-10	1.54E-11	3.06E-10
7016	468790.84	3819689.53	7.70E-10	3.24E-09	2.91E-10	4.30E-09	6.42E-10	2.38E-09	2.09E-10	3.23E-09	7.28E-11	4.17E-10	4.97E-11	5.39E-10	6.61E-11	2.18E-10	1.50E-11	2.99E-10
7017	468787.31	3819680.55	7.52E-10	3.16E-09	2.84E-10	4.19E-09	6.26E-10	2.32E-09	2.04E-10	3.15E-09	7.10E-11	4.07E-10	4.85E-11	5.26E-10	6.46E-11	2.13E-10	1.47E-11	2.92E-10
7018	468783.78	3819671.56	7.35E-10	3.09E-09	2.78E-10	4.10E-09	6.12E-10	2.27E-09	1.99E-10	3.08E-09	6.94E-11	3.97E-10	4.74E-11	5.14E-10	6.31E-11	2.08E-10	1.43E-11	2.85E-10
7019	468780.26	3819662.58	7.18E-10	3.01E-09	2.71E-10	4.00E-09	5.98E-10	2.21E-09	1.95E-10	3.01E-09	6.78E-11	3.88E-10	4.63E-11	5.02E-10	6.16E-11	2.03E-10	1.40E-11	2.79E-10
7020	468776.73	3819653.59	7.01E-10	2.94E-09	2.65E-10	3.91E-09	5.84E-10	2.16E-09	1.90E-10	2.94E-09	6.62E-11	3.79E-10	4.52E-11	4.91E-10	6.02E-11	1.98E-10	1.37E-11	2.72E-10
7021	468773.2	3819644.61	6.85E-10	2.88E-09	2.59E-10	3.82E-09	5.71E-10	2.12E-09	1.86E-10	2.87E-09	6.47E-11	3.71E-10	4.42E-11	4.79E-10	5.88E-11	1.94E-10	1.34E-11	2.66E-10
7022	468769.67	3819635.62	6.70E-10	2.82E-09	2.54E-10	3.74E-09	5.58E-10	2.07E-09	1.82E-10	2.81E-09	6.33E-11	3.62E-10	4.32E-11	4.69E-10	5.75E-11	1.90E-10	1.31E-11	2.60E-10
7023	468766.14	3819626.63	6.55E-10	2.75E-09	2.48E-10	3.65E-09	5.46E-10	2.02E-09	1.78E-10	2.75E-09	6.19E-11	3.54E-10	4.23E-11	4.58E-10	5.62E-11	1.85E-10	1.28E-11	2.55E-10
7024	468762.61	3819617.65	6.42E-10	2.69E-09	2.43E-10	3.58E-09	5.34E-10	1.98E-09	1.74E-10	2.69E-09	6.06E-11	3.47E-10	4.14E-11	4.49E-10	5.51E-11	1.82E-10	1.25E-11	2.49E-10
7025	468759.08	3819608.66	5.76E-10	2.42E-09	2.18E-10	3.21E-09	4.80E-10	1.78E-09	1.56E-10	2.41E-09	5.44E-11	3.12E-10	3.72E-11	4.03E-10	4.95E-11	1.63E-10	1.12E-11	2.24E-10
7026	468755.56	3819599.68	5.65E-10	2.37E-09	2.14E-10	3.15E-09	4.70E-10	1.74E-09	1.53E-10	2.37E-09	5.33E-11	3.05E-10	3.64E-11	3.95E-10	4.85E-11	1.60E-10	1.10E-11	2.19E-10
7027	468752.03	3819590.69	5.53E-10	2.32E-09	2.09E-10	3.08E-09	4.61E-10	1.71E-09	1.50E-10	2.32E-09	5.22E-11	2.99E-10	3.57E-11	3.87E-10	4.75E-11	1.57E-10	1.08E-11	2.15E-10
7028	468748.5	3819581.71	5.41E-10	2.27E-09	2.05E-10	3.02E-09	4.51E-10	1.67E-09	1.47E-10	2.27E-09	5.11E-11	2.93E-10	3.49E-11	3.79E-10	4.65E-11	1.53E-10	1.06E-11	2.10E-10
7029	468744.97	3819572.72	5.30E-10	2.23E-09	2.01E-10	2.96E-09	4.42E-10	1.64E-09	1.44E-10	2.22E-09	5.01E-11	2.87E-10	3.42E-11	3.71E-10	4.55E-11	1.50E-10	1.03E-11	2.06E-10
7030	468741.44	3819563.74	5.21E-10	2.19E-09	1.97E-10	2.90E-09	4.34E-10	1.61E-09	1.41E-10	2.18E-09	4.92E-11	2.82E-10	3.36E-11	3.64E-10	4.47E-11	1.47E-10	1.02E-11	2.02E-10
7031	468737.91	3819554.75	5.13E-10	2.15E-09	1.94E-10	2.86E-09	4.27E-10	1.58E-09	1.39E-10	2.15E-09	4.84E-11	2.77E-10	3.31E-11	3.59E-10	4.40E-11	1.45E-10	1.00E-11	1.99E-10
7032	468734.38	3819545.77	5.04E-10	2.11E-09	1.90E-10	2.81E-09	4.19E-10	1.55E-09	1.37E-10	2.11E-09	4.76E-11	2.72E-10	3.25E-11	3.52E-10	4.32E-11	1.43E-10	9.83E-12	1.96E-10
7033	468730.86	3819536.78	4.95E-10	2.08E-09	1.87E-10	2.76E-09	4.13E-10	1.53E-09	1.34E-10	2.08E-09	4.68E-11	2.68E-10	3.20E-11	3.47E-10	4.25E-11	1.40E-10	9.67E-12	1.92E-10
7034	468727.33	3819527.8	4.88E-10	2.05E-09	1.84E-10	2.72E-09	4.06E-10	1.51E-09	1.32E-10	2.04E-09	4.61E-11	2.64E-10	3.15E-11	3.41E-10	4.19E-11	1.38E-10	9.52E-12	1.89E-10

7035	468723.8	3819518.81	4.83E-10	2.03E-09	1.83E-10	2.69E-09	4.02E-10	1.49E-09	1.31E-10	2.02E-09	4.56E-11	2.61E-10	3.12E-11	3.38E-10	4.15E-11	1.37E-10	9.42E-12	1.88E-10
7036	468720.27	3819509.83	4.78E-10	2.01E-09	1.81E-10	2.67E-09	3.98E-10	1.48E-09	1.30E-10	2.00E-09	4.52E-11	2.59E-10	3.08E-11	3.35E-10	4.11E-11	1.35E-10	9.33E-12	1.86E-10
7037	468716.74	3819500.84	4.74E-10	1.99E-09	1.79E-10	2.64E-09	3.95E-10	1.46E-09	1.29E-10	1.99E-09	4.48E-11	2.56E-10	3.06E-11	3.32E-10	4.07E-11	1.34E-10	9.25E-12	1.84E-10
7038	468713.21	3819491.86	4.69E-10	1.97E-09	1.77E-10	2.62E-09	3.91E-10	1.45E-09	1.27E-10	1.97E-09	4.43E-11	2.54E-10	3.03E-11	3.28E-10	4.03E-11	1.33E-10	9.16E-12	1.82E-10
7039	468709.68	3819482.87	4.65E-10	1.95E-09	1.76E-10	2.59E-09	3.87E-10	1.44E-09	1.26E-10	1.95E-09	4.39E-11	2.51E-10	3.00E-11	3.25E-10	3.99E-11	1.32E-10	9.08E-12	1.81E-10
7040	468706.16	3819473.89	4.61E-10	1.94E-09	1.74E-10	2.57E-09	3.84E-10	1.42E-09	1.25E-10	1.93E-09	4.35E-11	2.49E-10	2.97E-11	3.23E-10	3.96E-11	1.31E-10	9.00E-12	1.79E-10
7041	468702.63	3819464.9	4.57E-10	1.92E-09	1.73E-10	2.55E-09	3.81E-10	1.41E-09	1.24E-10	1.91E-09	4.31E-11	2.47E-10	2.95E-11	3.20E-10	3.92E-11	1.29E-10	8.92E-12	1.77E-10
7042	468699.1	3819455.91	4.54E-10	1.90E-09	1.72E-10	2.53E-09	3.78E-10	1.40E-09	1.23E-10	1.90E-09	4.28E-11	2.45E-10	2.93E-11	3.17E-10	3.89E-11	1.28E-10	8.85E-12	1.76E-10
7043	468695.57	3819446.93	4.51E-10	1.89E-09	1.70E-10	2.51E-09	3.75E-10	1.39E-09	1.22E-10	1.89E-09	4.26E-11	2.44E-10	2.91E-11	3.15E-10	3.87E-11	1.28E-10	8.80E-12	1.75E-10
7044	468692.04	3819437.94	4.47E-10	1.88E-09	1.69E-10	2.50E-09	3.73E-10	1.38E-09	1.21E-10	1.87E-09	4.22E-11	2.42E-10	2.89E-11	3.13E-10	3.84E-11	1.27E-10	8.73E-12	1.74E-10
7045	468688.51	3819428.96	4.45E-10	1.87E-09	1.68E-10	2.48E-09	3.70E-10	1.37E-09	1.21E-10	1.86E-09	4.20E-11	2.40E-10	2.87E-11	3.11E-10	3.82E-11	1.26E-10	8.68E-12	1.73E-10
7046	470084.93	3820868.26	4.98E-09	2.09E-08	1.88E-09	2.78E-08	4.15E-09	1.54E-08	1.35E-09	2.09E-08	4.70E-10	2.69E-09	3.21E-10	3.48E-09	4.28E-10	1.41E-09	9.72E-11	1.94E-09
7047	470094.63	3820868.4	4.95E-09	2.08E-08	1.87E-09	2.76E-08	4.12E-09	1.53E-08	1.34E-09	2.07E-08	4.67E-10	2.68E-09	3.19E-10	3.46E-09	4.25E-10	1.40E-09	9.66E-11	1.92E-09
7048	470104.33	3820868.53	4.92E-09	2.06E-08	1.86E-09	2.74E-08	4.09E-09	1.52E-08	1.33E-09	2.06E-08	4.64E-10	2.66E-09	3.17E-10	3.44E-09	4.22E-10	1.39E-09	9.59E-11	1.91E-09
7049	470114.03	3820868.67	4.88E-09	2.05E-08	1.85E-09	2.72E-08	4.07E-09	1.51E-08	1.32E-09	2.05E-08	4.61E-10	2.64E-09	3.15E-10	3.41E-09	4.19E-10	1.38E-09	9.52E-11	1.90E-09
7050	470123.72	3820868.8	4.85E-09	2.04E-08	1.83E-09	2.70E-08	4.04E-09	1.50E-08	1.32E-09	2.03E-08	4.58E-10	2.62E-09	3.13E-10	3.39E-09	4.16E-10	1.37E-09	9.46E-11	1.88E-09
7051	470133.42	3820868.94	4.81E-09	2.02E-08	1.82E-09	2.68E-08	4.01E-09	1.48E-08	1.31E-09	2.02E-08	4.54E-10	2.60E-09	3.10E-10	3.36E-09	4.13E-10	1.36E-09	9.39E-11	1.87E-09
7052	470143.12	3820869.07	4.77E-09	2.00E-08	1.81E-09	2.66E-08	3.98E-09	1.47E-08	1.30E-09	2.00E-08	4.51E-10	2.58E-09	3.08E-10	3.34E-09	4.10E-10	1.35E-09	9.31E-11	1.85E-09
7053	470152.81	3820869.21	4.74E-09	1.99E-08	1.79E-09	2.64E-08	3.95E-09	1.46E-08	1.29E-09	1.98E-08	4.47E-10	2.56E-09	3.06E-10	3.31E-09	4.07E-10	1.34E-09	9.24E-11	1.84E-09
7054	470162.51	3820869.34	4.70E-09	1.97E-08	1.78E-09	2.62E-08	3.91E-09	1.45E-08	1.28E-09	1.97E-08	4.44E-10	2.54E-09	3.03E-10	3.29E-09	4.03E-10	1.33E-09	9.17E-11	1.83E-09
7055	470172.21	3820869.48	4.66E-09	1.96E-08	1.76E-09	2.60E-08	3.88E-09	1.44E-08	1.27E-09	1.95E-08	4.40E-10	2.52E-09	3.01E-10	3.26E-09	4.00E-10	1.32E-09	9.10E-11	1.81E-09
7056	470181.91	3820869.61	4.62E-09	1.94E-08	1.75E-09	2.58E-08	3.85E-09	1.43E-08	1.25E-09	1.94E-08	4.36E-10	2.50E-09	2.98E-10	3.23E-09	3.97E-10	1.31E-09	9.02E-11	1.80E-09
7057	470191.6	3820869.75	4.58E-09	1.92E-08	1.73E-09	2.56E-08	3.82E-09	1.41E-08	1.24E-09	1.92E-08	4.33E-10	2.48E-09	2.96E-10	3.21E-09	3.93E-10	1.30E-09	8.94E-11	1.78E-09
7058	470201.3	3820869.88	4.54E-09	1.91E-08	1.72E-09	2.53E-08	3.78E-09	1.40E-08	1.23E-09	1.90E-08	4.29E-10	2.46E-09	2.93E-10	3.18E-09	3.90E-10	1.29E-09	8.87E-11	1.76E-09
7059	470211	3820870.02	4.50E-09	1.89E-08	1.70E-09	2.51E-08	3.75E-09	1.39E-08	1.22E-09	1.89E-08	4.25E-10	2.44E-09	2.91E-10	3.15E-09	3.87E-10	1.28E-09	8.79E-11	1.75E-09
7060	470220.69	3820870.15	4.47E-09	1.88E-08	1.69E-09	2.49E-08	3.72E-09	1.38E-08	1.21E-09	1.87E-08	4.22E-10	2.41E-09	2.88E-10	3.12E-09	3.83E-10	1.26E-09	8.71E-11	1.73E-09
7061	470230.39	3820870.29	4.43E-09	1.86E-08	1.67E-09	2.47E-08	3.69E-09	1.37E-08	1.20E-09	1.85E-08	4.18E-10	2.39E-09	2.86E-10	3.10E-09	3.80E-10	1.25E-09	8.64E-11	1.72E-09
7062	470240.09	3820870.42	4.39E-09	1.84E-08	1.66E-09	2.45E-08	3.66E-09	1.35E-08	1.19E-09	1.84E-08	4.14E-10	2.37E-09	2.83E-10	3.07E-09	3.77E-10	1.24E-09	8.56E-11	1.70E-09
7063	470249.79	3820870.56	4.35E-09	1.83E-08	1.65E-09	2.43E-08	3.62E-09	1.34E-08	1.18E-09	1.82E-08	4.11E-10	2.35E-09	2.81E-10	3.04E-09	3.73E-10	1.23E-09	8.49E-11	1.69E-09
7064	470259.48	3820870.69	4.31E-09	1.81E-08	1.63E-09	2.41E-08	3.59E-09	1.33E-08	1.17E-09	1.81E-08	4.07E-10	2.33E-09	2.78E-10	3.02E-09	3.70E-10	1.22E-09	8.42E-11	1.68E-09
7065	470074.93	3820944.41	4.60E-09	1.93E-08	1.74E-09	2.56E-08	3.83E-09	1.42E-08	1.25E-09	1.93E-08	4.34E-10	2.48E-09	2.96E-10	3.22E-09	3.95E-10	1.30E-09	8.97E-11	1.79E-09
7066	470066.04	3820940.57	4.64E-09	1.95E-08	1.75E-09	2.59E-08	3.86E-09	1.43E-08	1.26E-09	1.94E-08	4.38E-10	2.51E-09	2.99E-10	3.24E-09	3.98E-10	1.31E-09	9.05E-11	1.80E-09
7067	470057.16	3820936.72	4.68E-09	1.97E-08	1.77E-09	2.61E-08	3.90E-09	1.44E-08	1.27E-09	1.96E-08	4.42E-10	2.53E-09	3.02E-10	3.27E-09	4.02E-10	1.33E-09	9.13E-11	1.82E-09
7068	470048.27	3820932.88	4.72E-09	1.98E-08	1.79E-09	2.63E-08	3.93E-09	1.46E-08	1.28E-09	1.98E-08	4.46E-10	2.55E-09	3.05E-10	3.30E-09	4.05E-10	1.34E-09	9.21E-11	1.83E-09
7069	470039.38	3820929.04	4.76E-09	2.00E-08	1.80E-09	2.66E-08	3.97E-09	1.47E-08	1.29E-09	2.00E-08	4.50E-10	2.57E-09	3.07E-10	3.33E-09	4.09E-10	1.35E-09	9.29E-11	1.85E-09
7070	470030.49	3820925.2	4.80E-09	2.02E-08	1.82E-09	2.68E-08	4.00E-09	1.48E-08	1.30E-09	2.01E-08	4.53E-10	2.60E-09	3.10E-10	3.36E-09	4.12E-10	1.36E-09	9.37E-11	1.86E-09
7071	470021.61	3820921.35	4.84E-09	2.03E-08	1.83E-09	2.70E-08	4.03E-09	1.49E-08	1.31E-09	2.03E-08	4.57E-10	2.62E-09	3.12E-10	3.39E-09	4.15E-10	1.37E-09	9.44E-11	1.88E-09
7072	469994.94	3820909.82	4.95E-09	2.08E-08	1.87E-09	2.76E-08	4.12E-09	1.53E-08	1.34E-09	2.07E-08	4.67E-10	2.67E-09	3.19E-10	3.46E-09	4.25E-10	1.40E-09	9.65E-11	1.92E-09
7073	469986.06	3820905.98	4.98E-09	2.09E-08	1.88E-09	2.78E-08	4.14E-09	1.54E-08	1.35E-09	2.09E-08	4.70E-10	2.69E-09	3.21E-10	3.48E-09	4.27E-10	1.41E-09	9.71E-11	1.93E-09
7074	469977.17	3820902.14	5.00E-09	2.10E-08	1.89E-09	2.79E-08	4.17E-09	1.54E-08	1.36E-09	2.10E-08	4.73E-10	2.71E-09	3.23E-10	3.50E-09	4.30E-10	1.42E-09	9.76E-11	1.94E-09
7075	469968.28	3820898.29	5.03E-09	2.11E-08	1.90E-09	2.81E-08	4.19E-09	1.55E-08	1.37E-09	2.11E-08	4.75E-10	2.72E-09	3.24E-10	3.52E-09	4.32E-10	1.42E-09	9.82E-11	1.95E-09
7076	469959.39	3820894.45	5.05E-09	2.12E-08	1.91E-09	2.82E-08	4.21E-09	1.56E-08	1.37E-09	2.12E-08	4.77E-10	2.73E-09	3.26E-10	3.54E-09	4.34E-10	1.43E-09	9.86E-11	1.96E-09
7077	469950.51	3820890.61	5.08E-09	2.13E-08	1.92E-09	2.83E-08	4.23E-09	1.57E-08	1.38E-09	2.13E-08	4.80E-10	2.75E-09	3.28E-10	3.55E-09	4.36E-10	1.44E-09	9.91E-11	1.97E-09
7078	469941.62	3820886.76	5.10E-09	2.14E-08	1.93E-09	2.85E-08	4.25E-09	1.57E-08	1.38E-09	2.14E-08	4.82E-10	2.76E-09	3.29E-10	3.57E-09	4.38E-10	1.44E-09	9.95E-11	1.98E-09
7079	469932.73	3820882.92	5.12E-09	2.15E-08	1.94E-09	2.86E-08	4.27E-09	1.58E-08	1.39E-09	2.15E-08	4.84E-10	2.77E-09	3.30E-10	3.58E-09	4.40E-10	1.45E-09	9.99E-11	1.99E-09
7080	469923.84	3820879.08	5.14E-09	2.16E-08	1.94E-09	2.87E-08	4.28E-09	1.59E-08	1.39E-09	2.15E-08	4.85E-10	2.78E-09	3.31E-10	3.59E-09	4.41E-10	1.45E-09	1.00E-10	2.00E-09
7081	469914.96	3820875.23	5.15E-09	2.16E-08	1.95E-09	2.87E-08	4.29E-09	1.59E-08	1.40E-09	2.16E-08	4.87E-10	2.79E-09	3.32E-10	3.60E-09	4.42E-10	1.46E-09	1.01E-10	2.00E-09
7082	469906.07	3820871.39	5.16E-09	2.17E-08	1.95E-09	2.88E-08	4.30E-09	1.59E-08	1.40E-09	2.16E-08	4.88E-10	2.79E-09	3.33E-10	3.61E-09	4.43E-10	1.46E-09	1.01E-10	2.01E-09
7083	469897.18	3820867.55	5.17E-09	2.17E-08	1.96E-09	2.89E-08	4.31E-09	1.60E-08	1.40E-09	2.17E-08	4.89E-10	2.80E-09	3.34E-10	3.62E-09	4.44E-10	1.46E-09	1.01E-10	2.01E-09
7084	469888.29	3820863.7	5.18E-09	2.18E-08	1.96E-09	2.89E-08	4.32E-09	1.60E-08	1.41E-09	2.17E-08	4.89E-10	2.80E-09	3.34E-10	3.62E-09	4.45E-10	1.47E-09	1.01E-10	2.01E-09
7085	469879.4	3820859.86	5.19E-09	2.18E-08	1.96E-09	2.89E-08	4.32E-09	1.60E-08	1.41E-09	2.17E-08	4.90E-10	2.80E-09	3.34E-10	3.63E-09	4.45E-10	1.47E-09	1.01E-10	2.01E-09

7086	469870.52	3820856.02	5.19E-09	2.18E-08	1.96E-09	2.89E-08	4.32E-09	1.60E-08	1.41E-09	2.17E-08	4.90E-10	2.80E-09	3.35E-10	3.63E-09	4.45E-10	1.47E-09	1.01E-10	2.02E-09
7087	469861.63	3820852.17	5.19E-09	2.18E-08	1.96E-09	2.89E-08	4.32E-09	1.60E-08	1.41E-09	2.17E-08	4.90E-10	2.80E-09	3.35E-10	3.63E-09	4.45E-10	1.47E-09	1.01E-10	2.01E-09
7088	469852.74	3820848.33	5.19E-09	2.18E-08	1.96E-09	2.89E-08	4.32E-09	1.60E-08	1.41E-09	2.17E-08	4.90E-10	2.80E-09	3.34E-10	3.63E-09	4.45E-10	1.47E-09	1.01E-10	2.01E-09
7089	469781.64	3820817.58	5.10E-09	2.14E-08	1.93E-09	2.84E-08	4.24E-09	1.57E-08	1.38E-09	2.14E-08	4.81E-10	2.75E-09	3.29E-10	3.56E-09	4.37E-10	1.44E-09	9.94E-11	1.98E-09
7090	469772.75	3820813.74	5.08E-09	2.13E-08	1.92E-09	2.83E-08	4.23E-09	1.57E-08	1.38E-09	2.13E-08	4.79E-10	2.74E-09	3.27E-10	3.55E-09	4.36E-10	1.44E-09	9.90E-11	1.97E-09
7091	469763.87	3820809.9	5.05E-09	2.12E-08	1.91E-09	2.82E-08	4.21E-09	1.56E-08	1.37E-09	2.12E-08	4.77E-10	2.73E-09	3.26E-10	3.54E-09	4.34E-10	1.43E-09	9.86E-11	1.96E-09
7092	469754.98	3820806.05	5.03E-09	2.11E-08	1.90E-09	2.81E-08	4.19E-09	1.55E-08	1.37E-09	2.11E-08	4.75E-10	2.72E-09	3.24E-10	3.52E-09	4.32E-10	1.42E-09	9.82E-11	1.95E-09
7093	469746.09	3820802.21	5.01E-09	2.10E-08	1.89E-09	2.79E-08	4.17E-09	1.54E-08	1.36E-09	2.10E-08	4.73E-10	2.71E-09	3.23E-10	3.50E-09	4.30E-10	1.42E-09	9.77E-11	1.94E-09
7094	469737.2	3820798.37	4.98E-09	2.09E-08	1.88E-09	2.78E-08	4.15E-09	1.54E-08	1.35E-09	2.09E-08	4.70E-10	2.69E-09	3.21E-10	3.48E-09	4.27E-10	1.41E-09	9.72E-11	1.93E-09
7095	469728.32	3820794.52	4.95E-09	2.08E-08	1.87E-09	2.76E-08	4.12E-09	1.53E-08	1.34E-09	2.07E-08	4.68E-10	2.68E-09	3.19E-10	3.46E-09	4.25E-10	1.40E-09	9.66E-11	1.92E-09
7096	469719.43	3820790.68	4.92E-09	2.07E-08	1.86E-09	2.75E-08	4.10E-09	1.52E-08	1.34E-09	2.06E-08	4.65E-10	2.66E-09	3.17E-10	3.44E-09	4.23E-10	1.39E-09	9.60E-11	1.91E-09
7097	469710.54	3820786.84	4.89E-09	2.05E-08	1.85E-09	2.73E-08	4.07E-09	1.51E-08	1.33E-09	2.05E-08	4.62E-10	2.64E-09	3.16E-10	3.42E-09	4.20E-10	1.38E-09	9.55E-11	1.90E-09
7098	469701.65	3820783	4.86E-09	2.04E-08	1.84E-09	2.71E-08	4.05E-09	1.50E-08	1.32E-09	2.04E-08	4.59E-10	2.63E-09	3.14E-10	3.40E-09	4.17E-10	1.38E-09	9.49E-11	1.89E-09
7099	469657.21	3820763.78	4.69E-09	1.97E-08	1.77E-09	2.62E-08	3.91E-09	1.45E-08	1.27E-09	1.97E-08	4.43E-10	2.54E-09	3.03E-10	3.28E-09	4.03E-10	1.33E-09	9.15E-11	1.82E-09
7100	469648.33	3820759.94	4.65E-09	1.95E-08	1.76E-09	2.60E-08	3.88E-09	1.44E-08	1.26E-09	1.95E-08	4.39E-10	2.52E-09	3.00E-10	3.26E-09	4.00E-10	1.32E-09	9.08E-11	1.81E-09
7101	469639.44	3820756.09	4.62E-09	1.94E-08	1.75E-09	2.58E-08	3.85E-09	1.42E-08	1.25E-09	1.93E-08	4.36E-10	2.50E-09	2.98E-10	3.23E-09	3.96E-10	1.31E-09	9.01E-11	1.79E-09
7102	469630.55	3820752.25	4.58E-09	1.92E-08	1.73E-09	2.55E-08	3.82E-09	1.41E-08	1.24E-09	1.92E-08	4.33E-10	2.48E-09	2.95E-10	3.20E-09	3.93E-10	1.30E-09	8.94E-11	1.78E-09
7103	469621.66	3820748.41	4.54E-09	1.91E-08	1.72E-09	2.53E-08	3.78E-09	1.40E-08	1.23E-09	1.90E-08	4.29E-10	2.46E-09	2.93E-10	3.18E-09	3.90E-10	1.29E-09	8.87E-11	1.77E-09
7104	469612.78	3820744.56	4.51E-09	1.89E-08	1.71E-09	2.51E-08	3.76E-09	1.39E-08	1.22E-09	1.89E-08	4.26E-10	2.44E-09	2.91E-10	3.15E-09	3.87E-10	1.28E-09	8.80E-11	1.75E-09
7105	469603.89	3820740.72	4.47E-09	1.88E-08	1.69E-09	2.50E-08	3.73E-09	1.38E-08	1.21E-09	1.87E-08	4.22E-10	2.42E-09	2.89E-10	3.13E-09	3.84E-10	1.27E-09	8.73E-11	1.74E-09
7106	469595	3820736.88	4.44E-09	1.86E-08	1.68E-09	2.48E-08	3.70E-09	1.37E-08	1.20E-09	1.86E-08	4.19E-10	2.40E-09	2.86E-10	3.10E-09	3.81E-10	1.26E-09	8.66E-11	1.72E-09
7107	469586.11	3820733.03	4.40E-09	1.85E-08	1.67E-09	2.46E-08	3.67E-09	1.36E-08	1.20E-09	1.84E-08	4.16E-10	2.38E-09	2.84E-10	3.08E-09	3.78E-10	1.25E-09	8.59E-11	1.71E-09
7108	469577.23	3820729.19	4.37E-09	1.83E-08	1.65E-09	2.44E-08	3.64E-09	1.35E-08	1.19E-09	1.83E-08	4.12E-10	2.36E-09	2.82E-10	3.05E-09	3.75E-10	1.24E-09	8.52E-11	1.70E-09
7109	469568.34	3820725.35	4.33E-09	1.82E-08	1.64E-09	2.42E-08	3.61E-09	1.34E-08	1.18E-09	1.81E-08	4.09E-10	2.34E-09	2.79E-10	3.03E-09	3.72E-10	1.23E-09	8.45E-11	1.68E-09
7110	469559.45	3820721.5	4.30E-09	1.80E-08	1.63E-09	2.40E-08	3.58E-09	1.33E-08	1.17E-09	1.80E-08	4.06E-10	2.32E-09	2.77E-10	3.01E-09	3.69E-10	1.22E-09	8.38E-11	1.67E-09
7111	469550.56	3820717.66	4.26E-09	1.79E-08	1.61E-09	2.38E-08	3.55E-09	1.32E-08	1.16E-09	1.79E-08	4.03E-10	2.30E-09	2.75E-10	2.98E-09	3.66E-10	1.21E-09	8.32E-11	1.66E-09
7112	469541.68	3820713.82	4.23E-09	1.78E-08	1.60E-09	2.36E-08	3.52E-09	1.31E-08	1.15E-09	1.77E-08	3.99E-10	2.29E-09	2.73E-10	2.96E-09	3.63E-10	1.20E-09	8.25E-11	1.64E-09
7113	469532.79	3820709.97	4.20E-09	1.76E-08	1.59E-09	2.34E-08	3.50E-09	1.30E-08	1.14E-09	1.76E-08	3.96E-10	2.27E-09	2.71E-10	2.94E-09	3.60E-10	1.19E-09	8.19E-11	1.63E-09
7114	469523.9	3820706.13	4.16E-09	1.75E-08	1.57E-09	2.32E-08	3.47E-09	1.28E-08	1.13E-09	1.74E-08	3.93E-10	2.25E-09	2.69E-10	2.91E-09	3.57E-10	1.18E-09	8.13E-11	1.62E-09
7115	469515.01	3820702.29	4.13E-09	1.74E-08	1.56E-09	2.30E-08	3.44E-09	1.28E-08	1.12E-09	1.73E-08	3.90E-10	2.23E-09	2.67E-10	2.89E-09	3.55E-10	1.17E-09	8.06E-11	1.61E-09
7116	469506.12	3820698.44	4.10E-09	1.72E-08	1.55E-09	2.29E-08	3.42E-09	1.27E-08	1.11E-09	1.72E-08	3.87E-10	2.22E-09	2.65E-10	2.87E-09	3.52E-10	1.16E-09	8.00E-11	1.59E-09
7117	469497.24	3820694.6	4.07E-09	1.71E-08	1.54E-09	2.27E-08	3.39E-09	1.26E-08	1.11E-09	1.71E-08	3.84E-10	2.20E-09	2.63E-10	2.85E-09	3.49E-10	1.15E-09	7.94E-11	1.58E-09
7118	469488.35	3820690.76	4.04E-09	1.70E-08	1.53E-09	2.25E-08	3.37E-09	1.25E-08	1.10E-09	1.69E-08	3.82E-10	2.18E-09	2.61E-10	2.83E-09	3.47E-10	1.14E-09	7.88E-11	1.57E-09
7119	469479.46	3820686.91	4.01E-09	1.68E-08	1.52E-09	2.24E-08	3.34E-09	1.24E-08	1.09E-09	1.68E-08	3.79E-10	2.17E-09	2.59E-10	2.81E-09	3.44E-10	1.14E-09	7.83E-11	1.56E-09
7120	469355.04	3820633.11	3.66E-09	1.54E-08	1.39E-09	2.04E-08	3.05E-09	1.13E-08	9.94E-10	1.53E-08	3.46E-10	1.98E-09	2.36E-10	2.56E-09	3.14E-10	1.04E-09	7.15E-11	1.42E-09
7121	469346.15	3820629.27	3.64E-09	1.53E-08	1.38E-09	2.03E-08	3.03E-09	1.12E-08	9.89E-10	1.53E-08	3.44E-10	1.97E-09	2.35E-10	2.55E-09	3.13E-10	1.03E-09	7.11E-11	1.41E-09
7122	469337.26	3820625.42	3.62E-09	1.52E-08	1.37E-09	2.02E-08	3.02E-09	1.12E-08	9.83E-10	1.52E-08	3.42E-10	1.96E-09	2.34E-10	2.53E-09	3.11E-10	1.03E-09	7.07E-11	1.41E-09
7123	469328.37	3820621.58	3.60E-09	1.51E-08	1.36E-09	2.01E-08	3.00E-09	1.11E-08	9.77E-10	1.51E-08	3.40E-10	1.95E-09	2.32E-10	2.52E-09	3.09E-10	1.02E-09	7.03E-11	1.40E-09
7124	469319.48	3820617.74	3.58E-09	1.50E-08	1.35E-09	2.00E-08	2.98E-09	1.10E-08	9.72E-10	1.50E-08	3.38E-10	1.94E-09	2.31E-10	2.50E-09	3.07E-10	1.01E-09	6.99E-11	1.39E-09
7125	469310.6	3820613.89	3.56E-09	1.49E-08	1.35E-09	1.99E-08	2.96E-09	1.10E-08	9.66E-10	1.49E-08	3.36E-10	1.92E-09	2.30E-10	2.49E-09	3.06E-10	1.01E-09	6.95E-11	1.38E-09
7126	469301.71	3820610.05	3.54E-09	1.49E-08	1.34E-09	1.97E-08	2.95E-09	1.09E-08	9.61E-10	1.48E-08	3.34E-10	1.91E-09	2.28E-10	2.48E-09	3.04E-10	1.00E-09	6.91E-11	1.37E-09
7127	469292.82	3820606.21	3.52E-09	1.48E-08	1.33E-09	1.96E-08	2.93E-09	1.09E-08	9.55E-10	1.47E-08	3.32E-10	1.90E-09	2.27E-10	2.46E-09	3.02E-10	9.96E-10	6.87E-11	1.37E-09
7128	469283.93	3820602.36	3.50E-09	1.47E-08	1.32E-09	1.95E-08	2.91E-09	1.08E-08	9.49E-10	1.47E-08	3.30E-10	1.89E-09	2.26E-10	2.45E-09	3.00E-10	9.90E-10	6.82E-11	1.36E-09
7129	469275.05	3820598.52	3.48E-09	1.46E-08	1.32E-09	1.94E-08	2.90E-09	1.07E-08	9.44E-10	1.46E-08	3.28E-10	1.88E-09	2.24E-10	2.43E-09	2.98E-10	9.84E-10	6.78E-11	1.35E-09
7130	469266.16	3820594.68	3.46E-09	1.45E-08	1.31E-09	1.93E-08	2.88E-09	1.07E-08	9.38E-10	1.45E-08	3.26E-10	1.87E-09	2.23E-10	2.42E-09	2.97E-10	9.78E-10	6.74E-11	1.34E-09
7131	469257.27	3820590.83	3.44E-09	1.44E-08	1.30E-09	1.92E-08	2.86E-09	1.06E-08	9.33E-10	1.44E-08	3.24E-10	1.86E-09	2.22E-10	2.40E-09	2.95E-10	9.73E-10	6.70E-11	1.33E-09
7132	469248.38	3820586.99	3.42E-09	1.43E-08	1.29E-09	1.91E-08	2.84E-09	1.05E-08	9.27E-10	1.43E-08	3.23E-10	1.85E-09	2.20E-10	2.39E-09	2.93E-10	9.67E-10	6.66E-11	1.33E-09
7133	469239.5	3820583.15	3.39E-09	1.43E-08	1.28E-09	1.89E-08	2.83E-09	1.05E-08	9.22E-10	1.42E-08	3.21E-10	1.84E-09	2.19E-10	2.37E-09	2.91E-10	9.61E-10	6.62E-11	1.32E-09
7134	469230.61	3820579.3	3.37E-09	1.42E-08	1.28E-09	1.88E-08	2.81E-09	1.04E-08	9.16E-10	1.41E-08	3.19E-10	1.82E-09	2.18E-10	2.36E-09	2.90E-10	9.55E-10	6.58E-11	1.31E-09
7135	469221.72	3820575.46	3.35E-09	1.41E-08	1.27E-09	1.87E-08	2.79E-09	1.03E-08	9.10E-10	1.40E-08	3.17E-10	1.81E-09	2.16E-10	2.35E-09	2.88E-10	9.49E-10	6.54E-11	1.30E-09
7136	469212.83	3820571.62	3.33E-09	1.40E-08	1.26E-09	1.86E-08	2.77E-09	1.03E-08	9.04E-10	1.40E-08	3.14E-10	1.80E-09	2.15E-10	2.33E-09	2.86E-10	9.43E-10	6.50E-11	1.29E-09

7137	469203.95	3820567.77	3.31E-09	1.39E-08	1.25E-09	1.85E-08	2.76E-09	1.02E-08	8.98E-10	1.39E-08	3.12E-10	1.79E-09	2.13E-10	2.31E-09	2.84E-10	9.37E-10	6.46E-11	1.29E-09
7138	469195.06	3820563.93	3.29E-09	1.38E-08	1.24E-09	1.83E-08	2.74E-09	1.01E-08	8.92E-10	1.38E-08	3.10E-10	1.78E-09	2.12E-10	2.30E-09	2.82E-10	9.30E-10	6.41E-11	1.28E-09
7139	469186.17	3820560.09	3.26E-09	1.37E-08	1.23E-09	1.82E-08	2.72E-09	1.01E-08	8.86E-10	1.37E-08	3.08E-10	1.76E-09	2.11E-10	2.28E-09	2.80E-10	9.24E-10	6.37E-11	1.27E-09
7140	469177.28	3820556.24	3.24E-09	1.36E-08	1.23E-09	1.81E-08	2.70E-09	1.00E-08	8.80E-10	1.36E-08	3.06E-10	1.75E-09	2.09E-10	2.27E-09	2.78E-10	9.17E-10	6.32E-11	1.26E-09
7141	469168.4	3820552.4	3.22E-09	1.35E-08	1.22E-09	1.79E-08	2.68E-09	9.93E-09	8.73E-10	1.35E-08	3.04E-10	1.74E-09	2.08E-10	2.25E-09	2.76E-10	9.11E-10	6.28E-11	1.25E-09
7142	469159.51	3820548.56	3.19E-09	1.34E-08	1.21E-09	1.78E-08	2.66E-09	9.86E-09	8.67E-10	1.34E-08	3.02E-10	1.73E-09	2.06E-10	2.23E-09	2.74E-10	9.04E-10	6.23E-11	1.24E-09
7143	469150.62	3820544.71	3.17E-09	1.33E-08	1.20E-09	1.77E-08	2.64E-09	9.78E-09	8.60E-10	1.33E-08	2.99E-10	1.71E-09	2.04E-10	2.22E-09	2.72E-10	8.97E-10	6.19E-11	1.23E-09
7144	469141.73	3820540.87	3.15E-09	1.32E-08	1.19E-09	1.75E-08	2.62E-09	9.71E-09	8.54E-10	1.32E-08	2.97E-10	1.70E-09	2.03E-10	2.20E-09	2.70E-10	8.90E-10	6.14E-11	1.22E-09
7145	469132.85	3820537.03	3.12E-09	1.31E-08	1.18E-09	1.74E-08	2.60E-09	9.63E-09	8.47E-10	1.31E-08	2.95E-10	1.69E-09	2.01E-10	2.18E-09	2.68E-10	8.83E-10	6.09E-11	1.21E-09
7146	469123.96	3820533.18	3.10E-09	1.30E-08	1.17E-09	1.73E-08	2.58E-09	9.55E-09	8.40E-10	1.30E-08	2.92E-10	1.67E-09	2.00E-10	2.17E-09	2.66E-10	8.76E-10	6.04E-11	1.20E-09
7147	469115.07	3820529.34	3.07E-09	1.29E-08	1.16E-09	1.71E-08	2.56E-09	9.47E-09	8.33E-10	1.29E-08	2.90E-10	1.66E-09	1.98E-10	2.15E-09	2.64E-10	8.69E-10	5.99E-11	1.19E-09
7148	469106.18	3820525.5	3.04E-09	1.28E-08	1.15E-09	1.70E-08	2.54E-09	9.39E-09	8.26E-10	1.28E-08	2.87E-10	1.65E-09	1.96E-10	2.13E-09	2.61E-10	8.61E-10	5.94E-11	1.18E-09
7149	469097.29	3820521.65	3.02E-09	1.27E-08	1.14E-09	1.68E-08	2.51E-09	9.31E-09	8.19E-10	1.26E-08	2.85E-10	1.63E-09	1.95E-10	2.11E-09	2.59E-10	8.54E-10	5.89E-11	1.17E-09
7150	469088.41	3820517.81	2.99E-09	1.26E-08	1.13E-09	1.67E-08	2.49E-09	9.23E-09	8.12E-10	1.25E-08	2.82E-10	1.62E-09	1.93E-10	2.09E-09	2.57E-10	8.46E-10	5.83E-11	1.16E-09
7151	469079.52	3820513.97	2.96E-09	1.24E-08	1.12E-09	1.65E-08	2.47E-09	9.14E-09	8.04E-10	1.24E-08	2.80E-10	1.60E-09	1.91E-10	2.07E-09	2.54E-10	8.39E-10	5.78E-11	1.15E-09
7152	469070.63	3820510.12	2.93E-09	1.23E-08	1.11E-09	1.64E-08	2.44E-09	9.06E-09	7.97E-10	1.23E-08	2.77E-10	1.59E-09	1.89E-10	2.05E-09	2.52E-10	8.31E-10	5.73E-11	1.14E-09
7153	469061.74	3820506.28	2.91E-09	1.22E-08	1.10E-09	1.62E-08	2.42E-09	8.97E-09	7.89E-10	1.22E-08	2.74E-10	1.57E-09	1.87E-10	2.03E-09	2.49E-10	8.23E-10	5.67E-11	1.13E-09
7154	469052.86	3820502.44	2.88E-09	1.21E-08	1.09E-09	1.61E-08	2.40E-09	8.88E-09	7.81E-10	1.21E-08	2.72E-10	1.56E-09	1.86E-10	2.01E-09	2.47E-10	8.15E-10	5.62E-11	1.12E-09
7155	469043.97	3820498.6	2.85E-09	1.20E-08	1.08E-09	1.59E-08	2.37E-09	8.79E-09	7.73E-10	1.19E-08	2.69E-10	1.54E-09	1.84E-10	1.99E-09	2.45E-10	8.06E-10	5.56E-11	1.11E-09
7156	469035.08	3820494.75	2.82E-09	1.18E-08	1.07E-09	1.57E-08	2.35E-09	8.70E-09	7.65E-10	1.18E-08	2.66E-10	1.52E-09	1.82E-10	1.97E-09	2.42E-10	7.98E-10	5.50E-11	1.10E-09
7157	469022.65	3820481.9	2.78E-09	1.17E-08	1.05E-09	1.55E-08	2.32E-09	8.58E-09	7.55E-10	1.17E-08	2.63E-10	1.50E-09	1.79E-10	1.95E-09	2.39E-10	7.87E-10	5.43E-11	1.08E-09
7158	469019.11	3820472.88	2.77E-09	1.16E-08	1.05E-09	1.55E-08	2.31E-09	8.56E-09	7.53E-10	1.16E-08	2.62E-10	1.50E-09	1.79E-10	1.94E-09	2.38E-10	7.85E-10	5.41E-11	1.08E-09
7159	469015.58	3820463.87	2.76E-09	1.16E-08	1.04E-09	1.54E-08	2.30E-09	8.52E-09	7.50E-10	1.16E-08	2.61E-10	1.49E-09	1.78E-10	1.93E-09	2.37E-10	7.82E-10	5.39E-11	1.07E-09
7160	469012.04	3820454.86	2.75E-09	1.16E-08	1.04E-09	1.53E-08	2.29E-09	8.49E-09	7.47E-10	1.15E-08	2.60E-10	1.49E-09	1.77E-10	1.92E-09	2.36E-10	7.79E-10	5.37E-11	1.07E-09
7161	469008.5	3820445.84	2.74E-09	1.15E-08	1.04E-09	1.53E-08	2.28E-09	8.45E-09	7.44E-10	1.15E-08	2.59E-10	1.48E-09	1.77E-10	1.92E-09	2.35E-10	7.75E-10	5.35E-11	1.06E-09
7162	469004.96	3820436.83	2.73E-09	1.15E-08	1.03E-09	1.52E-08	2.27E-09	8.42E-09	7.40E-10	1.14E-08	2.58E-10	1.47E-09	1.76E-10	1.91E-09	2.34E-10	7.72E-10	5.32E-11	1.06E-09
7163	469001.42	3820427.82	2.71E-09	1.14E-08	1.03E-09	1.51E-08	2.26E-09	8.38E-09	7.37E-10	1.14E-08	2.56E-10	1.47E-09	1.75E-10	1.90E-09	2.33E-10	7.68E-10	5.30E-11	1.05E-09
7164	468997.88	3820418.81	2.70E-09	1.13E-08	1.02E-09	1.51E-08	2.25E-09	8.33E-09	7.33E-10	1.13E-08	2.55E-10	1.46E-09	1.74E-10	1.89E-09	2.32E-10	7.64E-10	5.27E-11	1.05E-09
7165	468994.34	3820409.79	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.29E-09	7.29E-10	1.13E-08	2.54E-10	1.45E-09	1.73E-10	1.88E-09	2.31E-10	7.60E-10	5.24E-11	1.04E-09
7166	468990.8	3820400.78	2.67E-09	1.12E-08	1.01E-09	1.49E-08	2.22E-09	8.24E-09	7.25E-10	1.12E-08	2.52E-10	1.44E-09	1.72E-10	1.87E-09	2.29E-10	7.56E-10	5.21E-11	1.04E-09
7167	468987.26	3820391.77	2.65E-09	1.11E-08	1.00E-09	1.48E-08	2.21E-09	8.19E-09	7.21E-10	1.11E-08	2.51E-10	1.44E-09	1.71E-10	1.86E-09	2.28E-10	7.51E-10	5.18E-11	1.03E-09
7168	468983.72	3820382.75	2.64E-09	1.11E-08	9.97E-10	1.47E-08	2.20E-09	8.14E-09	7.16E-10	1.11E-08	2.49E-10	1.43E-09	1.70E-10	1.84E-09	2.26E-10	7.47E-10	5.15E-11	1.02E-09
7169	468980.18	3820373.74	2.62E-09	1.10E-08	9.91E-10	1.46E-08	2.18E-09	8.09E-09	7.11E-10	1.10E-08	2.47E-10	1.42E-09	1.69E-10	1.83E-09	2.25E-10	7.42E-10	5.11E-11	1.02E-09
7170	468976.64	3820364.73	2.60E-09	1.09E-08	9.84E-10	1.45E-08	2.17E-09	8.03E-09	7.06E-10	1.09E-08	2.46E-10	1.41E-09	1.68E-10	1.82E-09	2.23E-10	7.36E-10	5.08E-11	1.01E-09
7171	468973.1	3820355.71	2.58E-09	1.08E-08	9.77E-10	1.44E-08	2.15E-09	7.97E-09	7.01E-10	1.08E-08	2.44E-10	1.40E-09	1.67E-10	1.81E-09	2.22E-10	7.31E-10	5.04E-11	1.00E-09
7172	468969.56	3820346.7	2.56E-09	1.08E-08	9.69E-10	1.43E-08	2.13E-09	7.91E-09	6.96E-10	1.07E-08	2.42E-10	1.39E-09	1.65E-10	1.79E-09	2.20E-10	7.25E-10	5.00E-11	9.95E-10
7173	468966.02	3820337.69	2.54E-09	1.07E-08	9.62E-10	1.42E-08	2.12E-09	7.85E-09	6.90E-10	1.07E-08	2.40E-10	1.37E-09	1.64E-10	1.78E-09	2.18E-10	7.20E-10	4.96E-11	9.88E-10
7174	468962.48	3820328.68	2.52E-09	1.06E-08	9.54E-10	1.41E-08	2.10E-09	7.78E-09	6.84E-10	1.06E-08	2.38E-10	1.36E-09	1.63E-10	1.76E-09	2.16E-10	7.14E-10	4.92E-11	9.79E-10
7175	468958.94	3820319.66	2.50E-09	1.05E-08	9.45E-10	1.39E-08	2.08E-09	7.71E-09	6.79E-10	1.05E-08	2.36E-10	1.35E-09	1.61E-10	1.75E-09	2.15E-10	7.08E-10	4.88E-11	9.71E-10
7176	468955.4	3820310.65	2.48E-09	1.04E-08	9.37E-10	1.38E-08	2.06E-09	7.64E-09	6.72E-10	1.04E-08	2.34E-10	1.34E-09	1.60E-10	1.73E-09	2.13E-10	7.01E-10	4.83E-11	9.62E-10
7177	468951.87	3820301.64	2.45E-09	1.03E-08	9.28E-10	1.37E-08	2.04E-09	7.57E-09	6.66E-10	1.03E-08	2.32E-10	1.33E-09	1.58E-10	1.72E-09	2.11E-10	6.95E-10	4.79E-11	9.53E-10
7178	468948.33	3820292.62	2.43E-09	1.02E-08	9.19E-10	1.36E-08	2.02E-09	7.50E-09	6.60E-10	1.02E-08	2.30E-10	1.31E-09	1.57E-10	1.70E-09	2.09E-10	6.88E-10	4.74E-11	9.44E-10
7179	468944.79	3820283.61	2.41E-09	1.01E-08	9.10E-10	1.34E-08	2.00E-09	7.43E-09	6.53E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.68E-09	2.07E-10	6.81E-10	4.70E-11	9.35E-10
7180	468941.25	3820274.6	2.38E-09	1.00E-08	9.01E-10	1.33E-08	1.98E-09	7.35E-09	6.47E-10	9.98E-09	2.25E-10	1.29E-09	1.54E-10	1.67E-09	2.04E-10	6.74E-10	4.65E-11	9.25E-10
7181	468937.71	3820265.59	2.36E-09	9.90E-09	8.91E-10	1.31E-08	1.96E-09	7.27E-09	6.40E-10	9.88E-09	2.23E-10	1.27E-09	1.52E-10	1.65E-09	2.02E-10	6.67E-10	4.60E-11	9.15E-10
7182	468934.17	3820256.57	2.33E-09	9.79E-09	8.82E-10	1.30E-08	1.94E-09	7.19E-09	6.33E-10	9.77E-09	2.20E-10	1.26E-09	1.50E-10	1.63E-09	2.00E-10	6.60E-10	4.55E-11	9.06E-10
7183	468930.63	3820247.56	2.31E-09	9.68E-09	8.72E-10	1.29E-08	1.92E-09	7.11E-09	6.26E-10	9.66E-09	2.18E-10	1.25E-09	1.49E-10	1.61E-09	1.98E-10	6.53E-10	4.50E-11	8.95E-10
7184	468927.09	3820238.55	2.28E-09	9.57E-09	8.62E-10	1.27E-08	1.90E-09	7.03E-09	6.19E-10	9.55E-09	2.15E-10	1.23E-09	1.47E-10	1.59E-09	1.96E-10	6.45E-10	4.45E-11	8.85E-10
7185	468923.55	3820229.53	2.25E-09	9.45E-09	8.51E-10	1.26E-08	1.88E-09	6.95E-09	6.11E-10	9.43E-09	2.13E-10	1.22E-09	1.45E-10	1.57E-09	1.93E-10	6.37E-10	4.39E-11	8.74E-10
7186	468920.01	3820220.52	2.22E-09	9.34E-09	8.41E-10	1.24E-08	1.85E-09	6.86E-09	6.04E-10	9.32E-09	2.10E-10	1.20E-09	1.43E-10	1.56E-09	1.91E-10	6.29E-10	4.34E-11	8.64E-10
7187	468916.47	3820211.51	2.20E-09	9.22E-09	8.31E-10	1.22E-08	1.83E-09	6.78E-09	5.96E-10	9.20E-09	2.07E-10	1.19E-09	1.42E-10	1.54E-09	1.89E-10	6.22E-10	4.29E-11	8.53E-10

7188	468912.93	3820202.5	2.17E-09	9.10E-09	8.20E-10	1.21E-08	1.81E-09	6.69E-09	5.88E-10	9.08E-09	2.05E-10	1.17E-09	1.40E-10	1.52E-09	1.86E-10	6.14E-10	4.23E-11	8.42E-10
7189	468909.39	3820193.48	2.14E-09	8.98E-09	8.09E-10	1.19E-08	1.78E-09	6.60E-09	5.81E-10	8.96E-09	2.02E-10	1.16E-09	1.38E-10	1.50E-09	1.84E-10	6.06E-10	4.17E-11	8.31E-10
7190	468905.85	3820184.47	2.11E-09	8.86E-09	7.98E-10	1.18E-08	1.76E-09	6.51E-09	5.73E-10	8.84E-09	1.99E-10	1.14E-09	1.36E-10	1.48E-09	1.81E-10	5.97E-10	4.12E-11	8.19E-10
7191	468902.31	3820175.46	2.08E-09	8.74E-09	7.87E-10	1.16E-08	1.73E-09	6.42E-09	5.65E-10	8.72E-09	1.97E-10	1.12E-09	1.34E-10	1.46E-09	1.79E-10	5.89E-10	4.06E-11	8.08E-10
7192	468898.77	3820166.44	2.05E-09	8.61E-09	7.76E-10	1.14E-08	1.71E-09	6.33E-09	5.57E-10	8.59E-09	1.94E-10	1.11E-09	1.32E-10	1.43E-09	1.76E-10	5.80E-10	4.00E-11	7.97E-10
7193	468895.23	3820157.43	2.02E-09	8.49E-09	7.64E-10	1.13E-08	1.68E-09	6.24E-09	5.49E-10	8.47E-09	1.91E-10	1.09E-09	1.30E-10	1.41E-09	1.74E-10	5.72E-10	3.94E-11	7.85E-10
7194	468891.7	3820148.42	1.99E-09	8.36E-09	7.53E-10	1.11E-08	1.66E-09	6.14E-09	5.40E-10	8.34E-09	1.88E-10	1.08E-09	1.28E-10	1.39E-09	1.71E-10	5.63E-10	3.88E-11	7.73E-10
7195	468888.16	3820139.41	1.96E-09	8.23E-09	7.41E-10	1.09E-08	1.63E-09	6.04E-09	5.32E-10	8.21E-09	1.85E-10	1.06E-09	1.26E-10	1.37E-09	1.68E-10	5.54E-10	3.82E-11	7.61E-10
7196	468884.62	3820130.39	1.93E-09	8.10E-09	7.29E-10	1.08E-08	1.61E-09	5.95E-09	5.23E-10	8.08E-09	1.82E-10	1.04E-09	1.24E-10	1.35E-09	1.66E-10	5.46E-10	3.76E-11	7.49E-10
7197	468881.08	3820121.38	1.90E-09	7.97E-09	7.18E-10	1.06E-08	1.58E-09	5.86E-09	5.15E-10	7.95E-09	1.79E-10	1.03E-09	1.22E-10	1.33E-09	1.63E-10	5.37E-10	3.70E-11	7.37E-10
7198	468877.54	3820112.37	1.87E-09	7.84E-09	7.06E-10	1.04E-08	1.56E-09	5.76E-09	5.07E-10	7.82E-09	1.76E-10	1.01E-09	1.20E-10	1.31E-09	1.60E-10	5.28E-10	3.64E-11	7.25E-10
7199	468874	3820103.35	1.84E-09	7.71E-09	6.94E-10	1.02E-08	1.53E-09	5.66E-09	4.98E-10	7.69E-09	1.73E-10	9.92E-10	1.18E-10	1.28E-09	1.58E-10	5.20E-10	3.58E-11	7.13E-10
7200	468870.46	3820094.34	1.80E-09	7.58E-09	6.82E-10	1.01E-08	1.50E-09	5.57E-09	4.90E-10	7.56E-09	1.70E-10	9.75E-10	1.16E-10	1.26E-09	1.55E-10	5.11E-10	3.52E-11	7.01E-10
7201	468866.92	3820085.33	1.77E-09	7.45E-09	6.71E-10	9.89E-09	1.48E-09	5.47E-09	4.81E-10	7.43E-09	1.67E-10	9.59E-10	1.14E-10	1.24E-09	1.52E-10	5.02E-10	3.46E-11	6.89E-10
7202	468863.38	3820076.31	1.74E-09	7.32E-09	6.59E-10	9.72E-09	1.45E-09	5.38E-09	4.73E-10	7.30E-09	1.65E-10	9.42E-10	1.12E-10	1.22E-09	1.50E-10	4.93E-10	3.40E-11	6.77E-10
7203	468859.84	3820067.3	1.71E-09	7.19E-09	6.47E-10	9.54E-09	1.43E-09	5.28E-09	4.65E-10	7.17E-09	1.62E-10	9.25E-10	1.10E-10	1.20E-09	1.47E-10	4.84E-10	3.34E-11	6.65E-10
7204	468856.3	3820058.29	1.68E-09	7.06E-09	6.35E-10	9.37E-09	1.40E-09	5.19E-09	4.56E-10	7.04E-09	1.59E-10	9.08E-10	1.08E-10	1.18E-09	1.44E-10	4.76E-10	3.28E-11	6.53E-10
7205	468852.76	3820049.28	1.65E-09	6.93E-09	6.24E-10	9.20E-09	1.37E-09	5.09E-09	4.48E-10	6.91E-09	1.56E-10	8.92E-10	1.06E-10	1.15E-09	1.42E-10	4.67E-10	3.22E-11	6.41E-10
7206	468849.22	3820040.26	1.62E-09	6.79E-09	6.12E-10	9.02E-09	1.35E-09	4.99E-09	4.39E-10	6.78E-09	1.53E-10	8.75E-10	1.04E-10	1.13E-09	1.39E-10	4.58E-10	3.16E-11	6.28E-10
7207	468845.68	3820031.25	1.59E-09	6.66E-09	6.00E-10	8.85E-09	1.32E-09	4.90E-09	4.31E-10	6.65E-09	1.50E-10	8.58E-10	1.02E-10	1.11E-09	1.36E-10	4.49E-10	3.10E-11	6.16E-10
7208	468835.06	3820004.21	1.49E-09	6.27E-09	5.65E-10	8.33E-09	1.24E-09	4.61E-09	4.05E-10	6.26E-09	1.41E-10	8.07E-10	9.63E-11	1.04E-09	1.28E-10	4.23E-10	2.91E-11	5.80E-10
7209	468831.52	3819995.2	1.46E-09	6.14E-09	5.53E-10	8.16E-09	1.22E-09	4.51E-09	3.97E-10	6.13E-09	1.38E-10	7.90E-10	9.43E-11	1.02E-09	1.26E-10	4.14E-10	2.85E-11	5.68E-10
7210	468827.99	3819986.19	1.43E-09	6.01E-09	5.41E-10	7.98E-09	1.19E-09	4.42E-09	3.89E-10	6.00E-09	1.35E-10	7.74E-10	9.23E-11	1.00E-09	1.23E-10	4.05E-10	2.79E-11	5.56E-10
7211	468824.45	3819977.17	1.40E-09	5.89E-09	5.30E-10	7.82E-09	1.17E-09	4.33E-09	3.81E-10	5.87E-09	1.32E-10	7.58E-10	9.04E-11	9.81E-10	1.20E-10	3.97E-10	2.74E-11	5.44E-10
7212	468820.91	3819968.16	1.37E-09	5.76E-09	5.19E-10	7.65E-09	1.14E-09	4.23E-09	3.72E-10	5.75E-09	1.30E-10	7.41E-10	8.85E-11	9.59E-10	1.18E-10	3.88E-10	2.68E-11	5.33E-10
7213	468817.37	3819959.15	1.34E-09	5.64E-09	5.08E-10	7.49E-09	1.12E-09	4.14E-09	3.64E-10	5.63E-09	1.27E-10	7.26E-10	8.66E-11	9.39E-10	1.15E-10	3.80E-10	2.62E-11	5.22E-10
7214	468813.83	3819950.13	1.31E-09	5.51E-09	4.97E-10	7.32E-09	1.09E-09	4.05E-09	3.56E-10	5.50E-09	1.24E-10	7.10E-10	8.47E-11	9.19E-10	1.13E-10	3.72E-10	2.56E-11	5.10E-10
7215	468810.29	3819941.12	1.28E-09	5.39E-09	4.86E-10	7.16E-09	1.07E-09	3.96E-09	3.49E-10	5.38E-09	1.21E-10	6.94E-10	8.28E-11	8.98E-10	1.10E-10	3.64E-10	2.51E-11	4.99E-10
7216	468806.75	3819932.11	1.26E-09	5.28E-09	4.75E-10	7.01E-09	1.05E-09	3.88E-09	3.41E-10	5.26E-09	1.19E-10	6.79E-10	8.10E-11	8.79E-10	1.08E-10	3.56E-10	2.45E-11	4.88E-10
7217	468803.21	3819923.1	1.23E-09	5.16E-09	4.64E-10	6.85E-09	1.02E-09	3.79E-09	3.33E-10	5.15E-09	1.16E-10	6.64E-10	7.92E-11	8.59E-10	1.05E-10	3.48E-10	2.40E-11	4.77E-10
7218	468799.67	3819914.08	1.20E-09	5.04E-09	4.54E-10	6.70E-09	1.00E-09	3.71E-09	3.26E-10	5.03E-09	1.13E-10	6.49E-10	7.74E-11	8.40E-10	1.03E-10	3.40E-10	2.34E-11	4.66E-10
7219	468796.13	3819905.07	1.17E-09	4.93E-09	4.44E-10	6.54E-09	9.77E-10	3.62E-09	3.18E-10	4.92E-09	1.11E-10	6.34E-10	7.57E-11	8.21E-10	1.01E-10	3.32E-10	2.29E-11	4.56E-10
7220	468792.59	3819896.06	1.15E-09	4.81E-09	4.34E-10	6.39E-09	9.55E-10	3.54E-09	3.11E-10	4.80E-09	1.08E-10	6.20E-10	7.39E-11	8.02E-10	9.84E-11	3.25E-10	2.24E-11	4.45E-10
7221	468789.05	3819887.04	1.12E-09	4.71E-09	4.24E-10	6.25E-09	9.33E-10	3.46E-09	3.04E-10	4.69E-09	1.06E-10	6.06E-10	7.23E-11	7.84E-10	9.62E-11	3.17E-10	2.19E-11	4.35E-10
7222	468785.51	3819878.03	1.09E-09	4.59E-09	4.14E-10	6.10E-09	9.11E-10	3.37E-09	2.97E-10	4.58E-09	1.03E-10	5.91E-10	7.05E-11	7.65E-10	9.39E-11	3.10E-10	2.13E-11	4.25E-10
7223	468781.97	3819869.02	1.07E-09	4.48E-09	4.04E-10	5.95E-09	8.89E-10	3.29E-09	2.90E-10	4.47E-09	1.01E-10	5.77E-10	6.89E-11	7.47E-10	9.17E-11	3.02E-10	2.08E-11	4.15E-10
7224	468778.43	3819860	1.04E-09	4.38E-09	3.94E-10	5.81E-09	8.68E-10	3.22E-09	2.83E-10	4.37E-09	9.84E-11	5.63E-10	6.72E-11	7.29E-10	8.95E-11	2.95E-10	2.03E-11	4.05E-10
7225	468774.89	3819850.99	1.02E-09	4.27E-09	3.85E-10	5.67E-09	8.47E-10	3.14E-09	2.76E-10	4.26E-09	9.60E-11	5.50E-10	6.56E-11	7.11E-10	8.73E-11	2.88E-10	1.98E-11	3.95E-10
7226	468771.35	3819841.98	9.93E-10	4.17E-09	3.76E-10	5.54E-09	8.28E-10	3.07E-09	2.70E-10	4.16E-09	9.38E-11	5.37E-10	6.41E-11	6.95E-10	8.53E-11	2.81E-10	1.94E-11	3.86E-10
7227	468767.81	3819832.97	9.69E-10	4.07E-09	3.67E-10	5.41E-09	8.08E-10	2.99E-09	2.63E-10	4.06E-09	9.15E-11	5.24E-10	6.25E-11	6.78E-10	8.32E-11	2.74E-10	1.89E-11	3.77E-10
7228	468764.28	3819823.95	9.47E-10	3.98E-09	3.58E-10	5.28E-09	7.89E-10	2.92E-09	2.57E-10	3.97E-09	8.94E-11	5.12E-10	6.11E-11	6.62E-10	8.13E-11	2.68E-10	1.85E-11	3.68E-10
7229	468760.74	3819814.94	9.24E-10	3.88E-09	3.50E-10	5.15E-09	7.70E-10	2.85E-09	2.51E-10	3.87E-09	8.73E-11	5.00E-10	5.96E-11	6.46E-10	7.93E-11	2.62E-10	1.80E-11	3.59E-10
7230	468757.2	3819805.93	9.02E-10	3.79E-09	3.41E-10	5.03E-09	7.52E-10	2.78E-09	2.45E-10	3.78E-09	8.52E-11	4.88E-10	5.82E-11	6.31E-10	7.75E-11	2.55E-10	1.76E-11	3.50E-10
7231	468753.66	3819796.91	8.81E-10	3.70E-09	3.33E-10	4.91E-09	7.34E-10	2.72E-09	2.39E-10	3.69E-09	8.32E-11	4.76E-10	5.68E-11	6.16E-10	7.56E-11	2.49E-10	1.72E-11	3.42E-10
7232	468750.12	3819787.9	8.60E-10	3.61E-09	3.25E-10	4.80E-09	7.16E-10	2.65E-09	2.33E-10	3.60E-09	8.12E-11	4.65E-10	5.54E-11	6.01E-10	7.38E-11	2.43E-10	1.68E-11	3.34E-10
7233	468746.58	3819778.89	8.39E-10	3.52E-09	3.17E-10	4.68E-09	6.99E-10	2.59E-09	2.28E-10	3.52E-09	7.92E-11	4.54E-10	5.41E-11	5.87E-10	7.20E-11	2.38E-10	1.64E-11	3.26E-10
7234	468743.04	3819769.88	8.19E-10	3.44E-09	3.10E-10	4.57E-09	6.82E-10	2.53E-09	2.22E-10	3.43E-09	7.73E-11	4.42E-10	5.28E-11	5.73E-10	7.03E-11	2.32E-10	1.60E-11	3.18E-10
7235	468739.5	3819760.86	7.99E-10	3.36E-09	3.02E-10	4.46E-09	6.66E-10	2.47E-09	2.17E-10	3.35E-09	7.55E-11	4.32E-10	5.16E-11	5.59E-10	6.86E-11	2.26E-10	1.56E-11	3.10E-10
7236	468735.96	3819751.85	7.81E-10	3.28E-09	2.95E-10	4.35E-09	6.50E-10	2.41E-09	2.12E-10	3.27E-09	7.37E-11	4.22E-10	5.04E-11	5.46E-10	6.70E-11	2.21E-10	1.52E-11	3.03E-10
7237	468732.42	3819742.84	7.62E-10	3.20E-09	2.88E-10	4.25E-09	6.35E-10	2.35E-09	2.07E-10	3.19E-09	7.20E-11	4.12E-10	4.92E-11	5.33E-10	6.54E-11	2.16E-10	1.49E-11	2.96E-10
7238	468728.88	3819733.82	7.44E-10	3.13E-09	2.82E-10	4.15E-09	6.20E-10	2.30E-09	2.02E-10	3.12E-09	7.03E-11	4.02E-10	4.80E-11	5.21E-10	6.39E-11	2.11E-10	1.45E-11	2.89E-10

7239	468725.34	3819724.81	7.28E-10	3.06E-09	2.75E-10	4.06E-09	6.06E-10	2.25E-09	1.98E-10	3.05E-09	6.87E-11	3.94E-10	4.70E-11	5.09E-10	6.25E-11	2.06E-10	1.42E-11	2.83E-10
7240	468721.8	3819715.8	7.11E-10	2.99E-09	2.69E-10	3.96E-09	5.92E-10	2.19E-09	1.93E-10	2.98E-09	6.71E-11	3.84E-10	4.58E-11	4.97E-10	6.10E-11	2.01E-10	1.39E-11	2.76E-10
7241	468718.26	3819706.79	6.95E-10	2.92E-09	2.63E-10	3.88E-09	5.79E-10	2.14E-09	1.89E-10	2.91E-09	6.56E-11	3.76E-10	4.48E-11	4.86E-10	5.97E-11	1.97E-10	1.36E-11	2.70E-10
7242	468714.72	3819697.77	6.79E-10	2.85E-09	2.57E-10	3.79E-09	5.66E-10	2.10E-09	1.84E-10	2.85E-09	6.41E-11	3.67E-10	4.38E-11	4.75E-10	5.83E-11	1.92E-10	1.33E-11	2.64E-10
7243	468711.18	3819688.76	6.63E-10	2.79E-09	2.51E-10	3.70E-09	5.53E-10	2.05E-09	1.80E-10	2.78E-09	6.27E-11	3.59E-10	4.28E-11	4.64E-10	5.70E-11	1.88E-10	1.29E-11	2.58E-10
7244	468707.64	3819679.75	6.48E-10	2.72E-09	2.45E-10	3.62E-09	5.40E-10	2.00E-09	1.76E-10	2.72E-09	6.12E-11	3.51E-10	4.18E-11	4.54E-10	5.57E-11	1.84E-10	1.27E-11	2.52E-10
7245	468704.1	3819670.73	6.35E-10	2.67E-09	2.40E-10	3.54E-09	5.29E-10	1.96E-09	1.72E-10	2.66E-09	5.99E-11	3.43E-10	4.09E-11	4.44E-10	5.45E-11	1.80E-10	1.24E-11	2.47E-10
7246	468700.57	3819661.72	6.21E-10	2.61E-09	2.35E-10	3.46E-09	5.17E-10	1.92E-09	1.69E-10	2.60E-09	5.86E-11	3.36E-10	4.01E-11	4.34E-10	5.33E-11	1.76E-10	1.21E-11	2.41E-10
7247	468697.03	3819652.71	6.08E-10	2.55E-09	2.30E-10	3.39E-09	5.06E-10	1.88E-09	1.65E-10	2.55E-09	5.74E-11	3.29E-10	3.92E-11	4.25E-10	5.22E-11	1.72E-10	1.19E-11	2.36E-10
7248	468693.49	3819643.69	5.43E-10	2.28E-09	2.06E-10	3.03E-09	4.53E-10	1.68E-09	1.48E-10	2.28E-09	5.13E-11	2.94E-10	3.50E-11	3.80E-10	4.66E-11	1.54E-10	1.06E-11	2.11E-10
7249	468689.95	3819634.68	5.30E-10	2.22E-09	2.00E-10	2.95E-09	4.41E-10	1.63E-09	1.44E-10	2.22E-09	5.00E-11	2.86E-10	3.42E-11	3.71E-10	4.55E-11	1.50E-10	1.03E-11	2.06E-10
7250	468686.41	3819625.67	5.17E-10	2.17E-09	1.95E-10	2.88E-09	4.30E-10	1.59E-09	1.40E-10	2.16E-09	4.88E-11	2.79E-10	3.33E-11	3.61E-10	4.44E-11	1.46E-10	1.01E-11	2.01E-10
7251	468682.87	3819616.66	5.05E-10	2.12E-09	1.91E-10	2.82E-09	4.21E-10	1.56E-09	1.37E-10	2.12E-09	4.77E-11	2.73E-10	3.26E-11	3.53E-10	4.34E-11	1.43E-10	9.85E-12	1.96E-10
7252	468679.33	3819607.64	4.96E-10	2.08E-09	1.88E-10	2.77E-09	4.13E-10	1.53E-09	1.35E-10	2.08E-09	4.68E-11	2.68E-10	3.20E-11	3.47E-10	4.26E-11	1.40E-10	9.68E-12	1.93E-10
7253	468675.79	3819598.63	4.88E-10	2.05E-09	1.84E-10	2.72E-09	4.06E-10	1.51E-09	1.32E-10	2.04E-09	4.61E-11	2.64E-10	3.15E-11	3.41E-10	4.19E-11	1.38E-10	9.52E-12	1.89E-10
7254	468672.25	3819589.62	4.80E-10	2.02E-09	1.82E-10	2.68E-09	4.00E-10	1.48E-09	1.30E-10	2.01E-09	4.54E-11	2.60E-10	3.10E-11	3.36E-10	4.12E-11	1.36E-10	9.37E-12	1.87E-10
7255	468668.71	3819580.6	4.72E-10	1.98E-09	1.79E-10	2.63E-09	3.93E-10	1.46E-09	1.28E-10	1.98E-09	4.46E-11	2.55E-10	3.04E-11	3.30E-10	4.05E-11	1.34E-10	9.21E-12	1.83E-10
7256	468665.17	3819571.59	4.63E-10	1.94E-09	1.75E-10	2.58E-09	3.86E-10	1.43E-09	1.26E-10	1.94E-09	4.37E-11	2.50E-10	2.99E-11	3.24E-10	3.98E-11	1.31E-10	9.04E-12	1.80E-10
7257	468661.63	3819562.58	4.56E-10	1.91E-09	1.72E-10	2.54E-09	3.79E-10	1.41E-09	1.24E-10	1.91E-09	4.30E-11	2.46E-10	2.94E-11	3.19E-10	3.91E-11	1.29E-10	8.89E-12	1.77E-10
7258	468658.09	3819553.57	4.49E-10	1.89E-09	1.70E-10	2.51E-09	3.74E-10	1.39E-09	1.22E-10	1.88E-09	4.24E-11	2.43E-10	2.90E-11	3.14E-10	3.86E-11	1.27E-10	8.77E-12	1.75E-10
7259	468654.55	3819544.55	4.44E-10	1.86E-09	1.68E-10	2.48E-09	3.70E-10	1.37E-09	1.21E-10	1.86E-09	4.19E-11	2.40E-10	2.86E-11	3.11E-10	3.81E-11	1.26E-10	8.66E-12	1.72E-10
7260	468651.01	3819535.54	4.40E-10	1.85E-09	1.66E-10	2.45E-09	3.66E-10	1.36E-09	1.19E-10	1.84E-09	4.15E-11	2.38E-10	2.84E-11	3.08E-10	3.78E-11	1.24E-10	8.58E-12	1.71E-10
7261	468647.47	3819526.53	4.36E-10	1.83E-09	1.65E-10	2.43E-09	3.63E-10	1.34E-09	1.18E-10	1.83E-09	4.11E-11	2.36E-10	2.81E-11	3.05E-10	3.74E-11	1.23E-10	8.50E-12	1.69E-10
7262	468643.93	3819517.51	4.31E-10	1.81E-09	1.63E-10	2.40E-09	3.59E-10	1.33E-09	1.17E-10	1.81E-09	4.07E-11	2.33E-10	2.78E-11	3.01E-10	3.70E-11	1.22E-10	8.41E-12	1.67E-10
7263	468640.39	3819508.5	4.27E-10	1.79E-09	1.61E-10	2.38E-09	3.55E-10	1.32E-09	1.16E-10	1.79E-09	4.03E-11	2.31E-10	2.75E-11	2.99E-10	3.66E-11	1.21E-10	8.33E-12	1.66E-10
7264	468636.86	3819499.49	4.23E-10	1.77E-09	1.60E-10	2.36E-09	3.52E-10	1.30E-09	1.15E-10	1.77E-09	3.99E-11	2.28E-10	2.73E-11	2.96E-10	3.63E-11	1.20E-10	8.25E-12	1.64E-10
7265	468633.32	3819490.48	4.19E-10	1.76E-09	1.59E-10	2.34E-09	3.49E-10	1.29E-09	1.14E-10	1.76E-09	3.96E-11	2.27E-10	2.70E-11	2.93E-10	3.60E-11	1.19E-10	8.18E-12	1.63E-10
7266	468629.78	3819481.46	4.16E-10	1.75E-09	1.58E-10	2.32E-09	3.47E-10	1.29E-09	1.13E-10	1.75E-09	3.93E-11	2.25E-10	2.69E-11	2.91E-10	3.58E-11	1.18E-10	8.13E-12	1.62E-10
7267	468626.24	3819472.45	4.14E-10	1.74E-09	1.56E-10	2.31E-09	3.45E-10	1.28E-09	1.12E-10	1.73E-09	3.91E-11	2.24E-10	2.67E-11	2.89E-10	3.55E-11	1.17E-10	8.07E-12	1.61E-10
7268	468622.7	3819463.44	4.12E-10	1.73E-09	1.56E-10	2.30E-09	3.43E-10	1.27E-09	1.12E-10	1.72E-09	3.89E-11	2.23E-10	2.66E-11	2.88E-10	3.53E-11	1.17E-10	8.03E-12	1.60E-10
7269	468619.16	3819454.42	4.10E-10	1.72E-09	1.55E-10	2.28E-09	3.41E-10	1.26E-09	1.11E-10	1.72E-09	3.87E-11	2.21E-10	2.64E-11	2.87E-10	3.52E-11	1.16E-10	7.99E-12	1.59E-10
7270	468615.62	3819445.41	4.08E-10	1.71E-09	1.54E-10	2.27E-09	3.39E-10	1.26E-09	1.11E-10	1.71E-09	3.85E-11	2.20E-10	2.63E-11	2.85E-10	3.50E-11	1.15E-10	7.95E-12	1.58E-10
7271	468612.08	3819436.4	4.05E-10	1.70E-09	1.53E-10	2.26E-09	3.38E-10	1.25E-09	1.10E-10	1.70E-09	3.83E-11	2.19E-10	2.62E-11	2.84E-10	3.48E-11	1.15E-10	7.91E-12	1.57E-10
7272	468608.54	3819427.39	4.03E-10	1.69E-09	1.52E-10	2.25E-09	3.35E-10	1.24E-09	1.09E-10	1.69E-09	3.80E-11	2.18E-10	2.60E-11	2.82E-10	3.46E-11	1.14E-10	7.86E-12	1.56E-10
7273	470083.82	3820948.25	4.55E-09	1.91E-08	1.72E-09	2.54E-08	3.79E-09	1.40E-08	1.24E-09	1.91E-08	4.30E-10	2.46E-09	2.94E-10	3.18E-09	3.91E-10	1.29E-09	8.88E-11	1.77E-09
7274	470093.52	3820948.39	4.52E-09	1.90E-08	1.71E-09	2.52E-08	3.77E-09	1.40E-08	1.23E-09	1.90E-08	4.27E-10	2.44E-09	2.92E-10	3.16E-09	3.88E-10	1.28E-09	8.83E-11	1.76E-09
7275	470103.21	3820948.52	4.49E-09	1.89E-08	1.70E-09	2.51E-08	3.74E-09	1.39E-08	1.22E-09	1.88E-08	4.24E-10	2.43E-09	2.90E-10	3.14E-09	3.86E-10	1.27E-09	8.77E-11	1.75E-09
7276	470112.91	3820948.66	4.46E-09	1.87E-08	1.69E-09	2.49E-08	3.72E-09	1.38E-08	1.21E-09	1.87E-08	4.21E-10	2.41E-09	2.88E-10	3.12E-09	3.83E-10	1.26E-09	8.71E-11	1.73E-09
7277	470122.61	3820948.79	4.43E-09	1.86E-08	1.68E-09	2.47E-08	3.69E-09	1.37E-08	1.20E-09	1.86E-08	4.18E-10	2.40E-09	2.86E-10	3.10E-09	3.80E-10	1.25E-09	8.64E-11	1.72E-09
7278	470132.31	3820948.93	4.40E-09	1.85E-08	1.66E-09	2.45E-08	3.66E-09	1.36E-08	1.19E-09	1.84E-08	4.15E-10	2.38E-09	2.84E-10	3.08E-09	3.78E-10	1.24E-09	8.58E-11	1.71E-09
7279	470142	3820949.06	4.36E-09	1.83E-08	1.65E-09	2.43E-08	3.64E-09	1.35E-08	1.18E-09	1.83E-08	4.12E-10	2.36E-09	2.81E-10	3.05E-09	3.75E-10	1.24E-09	8.52E-11	1.70E-09
7280	470151.7	3820949.2	4.33E-09	1.82E-08	1.64E-09	2.41E-08	3.61E-09	1.34E-08	1.18E-09	1.81E-08	4.09E-10	2.34E-09	2.79E-10	3.03E-09	3.72E-10	1.23E-09	8.45E-11	1.68E-09
7281	470161.4	3820949.33	4.29E-09	1.80E-08	1.62E-09	2.39E-08	3.58E-09	1.32E-08	1.17E-09	1.80E-08	4.05E-10	2.32E-09	2.77E-10	3.00E-09	3.69E-10	1.22E-09	8.38E-11	1.67E-09
7282	470171.09	3820949.47	4.26E-09	1.79E-08	1.61E-09	2.37E-08	3.55E-09	1.31E-08	1.16E-09	1.78E-08	4.02E-10	2.30E-09	2.75E-10	2.98E-09	3.66E-10	1.21E-09	8.31E-11	1.65E-09
7283	470180.79	3820949.6	4.22E-09	1.77E-08	1.60E-09	2.36E-08	3.52E-09	1.30E-08	1.15E-09	1.77E-08	3.99E-10	2.28E-09	2.72E-10	2.95E-09	3.63E-10	1.20E-09	8.24E-11	1.64E-09
7284	470190.49	3820949.74	4.19E-09	1.76E-08	1.58E-09	2.34E-08	3.49E-09	1.29E-08	1.14E-09	1.76E-08	3.96E-10	2.26E-09	2.70E-10	2.93E-09	3.60E-10	1.19E-09	8.17E-11	1.63E-09
7285	470200.19	3820949.87	4.15E-09	1.74E-08	1.57E-09	2.32E-08	3.46E-09	1.28E-08	1.13E-09	1.74E-08	3.92E-10	2.25E-09	2.68E-10	2.91E-09	3.57E-10	1.18E-09	8.11E-11	1.61E-09
7286	470209.88	3820950.01	4.12E-09	1.73E-08	1.56E-09	2.30E-08	3.43E-09	1.27E-08	1.12E-09	1.73E-08	3.89E-10	2.23E-09	2.66E-10	2.88E-09	3.54E-10	1.17E-09	8.04E-11	1.60E-09
7287	470219.58	3820950.14	4.08E-09	1.72E-08	1.54E-09	2.28E-08	3.40E-09	1.26E-08	1.11E-09	1.71E-08	3.86E-10	2.21E-09	2.63E-10	2.86E-09	3.51E-10	1.16E-09	7.97E-11	1.59E-09
7288	470229.28	3820950.28	4.05E-09	1.70E-08	1.53E-09	2.26E-08	3.37E-09	1.25E-08	1.10E-09	1.70E-08	3.83E-10	2.19E-09	2.61E-10	2.83E-09	3.48E-10	1.15E-09	7.90E-11	1.57E-09
7289	470238.98	3820950.41	4.02E-09	1.69E-08	1.52E-09	2.24E-08	3.35E-09	1.24E-08	1.09E-09	1.68E-08	3.79E-10	2.17E-09	2.59E-10	2.81E-09	3.45E-10	1.14E-09	7.84E-11	1.56E-09

7290	470248.67	3820950.55	3.98E-09	1.67E-08	1.51E-09	2.22E-08	3.32E-09	1.23E-08	1.08E-09	1.67E-08	3.76E-10	2.15E-09	2.57E-10	2.79E-09	3.42E-10	1.13E-09	7.77E-11	1.55E-09
7291	470258.37	3820950.68	3.95E-09	1.66E-08	1.49E-09	2.20E-08	3.29E-09	1.22E-08	1.07E-09	1.66E-08	3.73E-10	2.14E-09	2.55E-10	2.76E-09	3.39E-10	1.12E-09	7.71E-11	1.53E-09
7292	470306.24	3819458.15	2.82E-07	1.18E-06	1.07E-07	1.57E-06	2.35E-07	8.70E-07	7.65E-08	1.18E-06	2.66E-08	1.52E-07	1.82E-08	1.97E-07	2.42E-08	7.98E-08	5.50E-09	1.09E-07
7293	470309.33	3819441.44	3.20E-07	1.35E-06	1.21E-07	1.79E-06	2.67E-07	9.89E-07	8.70E-08	1.34E-06	3.03E-08	1.73E-07	2.07E-08	2.24E-07	2.75E-08	9.07E-08	6.25E-09	1.24E-07
7294	470309.41	3819431.79	3.49E-07	1.47E-06	1.32E-07	1.95E-06	2.91E-07	1.08E-06	9.48E-08	1.46E-06	3.30E-08	1.89E-07	2.25E-08	2.44E-07	3.00E-08	9.88E-08	6.81E-09	1.36E-07
7295	470309.5	3819422.14	3.76E-07	1.58E-06	1.42E-07	2.09E-06	3.13E-07	1.16E-06	1.02E-07	1.57E-06	3.55E-08	2.03E-07	2.42E-08	2.63E-07	3.22E-08	1.06E-07	7.33E-09	1.46E-07
7296	470309.58	3819412.49	3.98E-07	1.67E-06	1.50E-07	2.22E-06	3.31E-07	1.23E-06	1.08E-07	1.67E-06	3.76E-08	2.15E-07	2.57E-08	2.78E-07	3.41E-08	1.13E-07	7.76E-09	1.54E-07
7297	470309.66	3819402.85	4.15E-07	1.74E-06	1.57E-07	2.32E-06	3.46E-07	1.28E-06	1.13E-07	1.74E-06	3.92E-08	2.24E-07	2.68E-08	2.90E-07	3.56E-08	1.18E-07	8.10E-09	1.61E-07
7298	470309.75	3819393.2	4.28E-07	1.80E-06	1.62E-07	2.39E-06	3.57E-07	1.32E-06	1.16E-07	1.79E-06	4.04E-08	2.31E-07	2.76E-08	2.99E-07	3.68E-08	1.21E-07	8.35E-09	1.66E-07
7299	470309.83	3819383.55	4.37E-07	1.83E-06	1.65E-07	2.44E-06	3.64E-07	1.35E-06	1.19E-07	1.83E-06	4.13E-08	2.36E-07	2.82E-08	3.06E-07	3.75E-08	1.24E-07	8.53E-09	1.70E-07
7300	470309.91	3819373.9	4.42E-07	1.86E-06	1.67E-07	2.46E-06	3.68E-07	1.36E-06	1.20E-07	1.85E-06	4.17E-08	2.39E-07	2.85E-08	3.09E-07	3.79E-08	1.25E-07	8.62E-09	1.72E-07
7301	470309.99	3819364.25	4.43E-07	1.86E-06	1.68E-07	2.47E-06	3.69E-07	1.37E-06	1.20E-07	1.86E-06	4.18E-08	2.40E-07	2.86E-08	3.10E-07	3.80E-08	1.25E-07	8.65E-09	1.72E-07
7302	470310.08	3819354.61	4.41E-07	1.85E-06	1.67E-07	2.46E-06	3.68E-07	1.36E-06	1.20E-07	1.85E-06	4.17E-08	2.39E-07	2.85E-08	3.09E-07	3.79E-08	1.25E-07	8.61E-09	1.71E-07
7303	470310.16	3819344.96	4.37E-07	1.84E-06	1.65E-07	2.44E-06	3.64E-07	1.35E-06	1.19E-07	1.83E-06	4.13E-08	2.36E-07	2.82E-08	3.06E-07	3.75E-08	1.24E-07	8.53E-09	1.70E-07
7304	470310.24	3819335.31	4.30E-07	1.81E-06	1.63E-07	2.40E-06	3.58E-07	1.33E-06	1.17E-07	1.80E-06	4.06E-08	2.33E-07	2.78E-08	3.01E-07	3.69E-08	1.22E-07	8.40E-09	1.67E-07
7305	470310.32	3819325.66	4.21E-07	1.77E-06	1.59E-07	2.35E-06	3.51E-07	1.30E-06	1.14E-07	1.76E-06	3.98E-08	2.28E-07	2.72E-08	2.94E-07	3.61E-08	1.19E-07	8.21E-09	1.64E-07
7306	470310.41	3819316.01	4.09E-07	1.72E-06	1.55E-07	2.28E-06	3.40E-07	1.26E-06	1.11E-07	1.71E-06	3.86E-08	2.21E-07	2.64E-08	2.86E-07	3.51E-08	1.16E-07	7.97E-09	1.59E-07
7307	470310.49	3819306.36	3.93E-07	1.65E-06	1.49E-07	2.19E-06	3.27E-07	1.21E-06	1.07E-07	1.65E-06	3.71E-08	2.12E-07	2.53E-08	2.75E-07	3.37E-08	1.11E-07	7.67E-09	1.53E-07
7308	470310.57	3819296.72	3.74E-07	1.57E-06	1.41E-07	2.09E-06	3.12E-07	1.15E-06	1.02E-07	1.57E-06	3.53E-08	2.02E-07	2.41E-08	2.62E-07	3.21E-08	1.06E-07	7.30E-09	1.45E-07
7309	470310.66	3819287.07	3.51E-07	1.48E-06	1.33E-07	1.96E-06	2.93E-07	1.08E-06	9.54E-08	1.47E-06	3.32E-08	1.90E-07	2.27E-08	2.46E-07	3.02E-08	9.95E-08	6.86E-09	1.36E-07
7310	470310.74	3819277.42	3.25E-07	1.36E-06	1.23E-07	1.81E-06	2.71E-07	1.00E-06	8.82E-08	1.36E-06	3.07E-08	1.76E-07	2.10E-08	2.27E-07	2.79E-08	9.20E-08	6.34E-09	1.26E-07
7311	470310.82	3819267.77	2.95E-07	1.24E-06	1.11E-07	1.64E-06	2.45E-07	9.09E-07	8.00E-08	1.23E-06	2.78E-08	1.59E-07	1.90E-08	2.06E-07	2.53E-08	8.34E-08	5.75E-09	1.14E-07
7312	470310.9	3819258.12	2.61E-07	1.10E-06	9.88E-08	1.46E-06	2.18E-07	8.06E-07	7.09E-08	1.09E-06	2.47E-08	1.41E-07	1.68E-08	1.83E-07	2.24E-08	7.39E-08	5.10E-09	1.01E-07
7313	470310.99	3819248.48	2.26E-07	9.51E-07	8.56E-08	1.26E-06	1.89E-07	6.99E-07	6.15E-08	9.49E-07	2.14E-08	1.22E-07	1.46E-08	1.58E-07	1.94E-08	6.41E-08	4.42E-09	8.80E-08
7314	470316.24	3819458.24	2.48E-07	1.04E-06	9.40E-08	1.39E-06	2.07E-07	7.67E-07	6.74E-08	1.04E-06	2.35E-08	1.34E-07	1.60E-08	1.74E-07	2.13E-08	7.03E-08	4.85E-09	9.65E-08
7315	470310.22	3819472.37	2.32E-07	9.72E-07	8.76E-08	1.29E-06	1.93E-07	7.14E-07	6.28E-08	9.70E-07	2.19E-08	1.25E-07	1.49E-08	1.62E-07	1.99E-08	6.55E-08	4.52E-09	8.99E-08
7316	470319.33	3819441.52	2.77E-07	1.16E-06	1.05E-07	1.55E-06	2.31E-07	8.55E-07	7.52E-08	1.16E-06	2.62E-08	1.50E-07	1.79E-08	1.94E-07	2.38E-08	7.84E-08	5.41E-09	1.08E-07
7317	470319.41	3819431.88	2.98E-07	1.25E-06	1.13E-07	1.66E-06	2.48E-07	9.20E-07	8.09E-08	1.25E-06	2.82E-08	1.61E-07	1.92E-08	2.09E-07	2.56E-08	8.44E-08	5.82E-09	1.16E-07
7318	470319.5	3819422.23	3.17E-07	1.33E-06	1.20E-07	1.77E-06	2.64E-07	9.79E-07	8.62E-08	1.33E-06	3.00E-08	1.72E-07	2.05E-08	2.22E-07	2.72E-08	8.98E-08	6.19E-09	1.23E-07
7319	470319.58	3819412.58	3.34E-07	1.40E-06	1.26E-07	1.86E-06	2.78E-07	1.03E-06	9.06E-08	1.40E-06	3.15E-08	1.80E-07	2.15E-08	2.33E-07	2.86E-08	9.44E-08	6.51E-09	1.30E-07
7320	470319.66	3819402.93	3.47E-07	1.46E-06	1.31E-07	1.93E-06	2.89E-07	1.07E-06	9.41E-08	1.45E-06	3.27E-08	1.87E-07	2.24E-08	2.43E-07	2.98E-08	9.81E-08	6.77E-09	1.35E-07
7321	470319.74	3819393.28	3.57E-07	1.50E-06	1.35E-07	1.99E-06	2.97E-07	1.10E-06	9.69E-08	1.50E-06	3.37E-08	1.93E-07	2.30E-08	2.50E-07	3.06E-08	1.01E-07	6.97E-09	1.39E-07
7322	470319.83	3819383.64	3.64E-07	1.53E-06	1.38E-07	2.03E-06	3.03E-07	1.12E-06	9.87E-08	1.52E-06	3.44E-08	1.97E-07	2.35E-08	2.54E-07	3.12E-08	1.03E-07	7.10E-09	1.41E-07
7323	470319.91	3819373.99	3.67E-07	1.54E-06	1.39E-07	2.05E-06	3.06E-07	1.13E-06	9.97E-08	1.54E-06	3.47E-08	1.99E-07	2.37E-08	2.57E-07	3.15E-08	1.04E-07	7.17E-09	1.43E-07
7324	470319.99	3819364.34	3.68E-07	1.54E-06	1.39E-07	2.05E-06	3.06E-07	1.14E-06	9.99E-08	1.54E-06	3.47E-08	1.99E-07	2.37E-08	2.57E-07	3.16E-08	1.04E-07	7.18E-09	1.43E-07
7325	470320.08	3819354.69	3.66E-07	1.54E-06	1.38E-07	2.04E-06	3.05E-07	1.13E-06	9.93E-08	1.53E-06	3.45E-08	1.98E-07	2.36E-08	2.56E-07	3.14E-08	1.04E-07	7.14E-09	1.42E-07
7326	470320.16	3819345.04	3.62E-07	1.52E-06	1.37E-07	2.02E-06	3.01E-07	1.12E-06	9.81E-08	1.51E-06	3.41E-08	1.95E-07	2.33E-08	2.53E-07	3.10E-08	1.02E-07	7.05E-09	1.40E-07
7327	470320.24	3819335.39	3.55E-07	1.49E-06	1.34E-07	1.98E-06	2.96E-07	1.10E-06	9.64E-08	1.49E-06	3.35E-08	1.92E-07	2.29E-08	2.48E-07	3.05E-08	1.00E-07	6.93E-09	1.38E-07
7328	470320.32	3819325.75	3.46E-07	1.45E-06	1.31E-07	1.93E-06	2.88E-07	1.07E-06	9.40E-08	1.45E-06	3.27E-08	1.87E-07	2.23E-08	2.42E-07	2.97E-08	9.80E-08	6.76E-09	1.34E-07
7329	470320.41	3819316.1	3.35E-07	1.41E-06	1.27E-07	1.87E-06	2.79E-07	1.03E-06	9.10E-08	1.40E-06	3.16E-08	1.81E-07	2.16E-08	2.34E-07	2.88E-08	9.48E-08	6.54E-09	1.30E-07
7330	470320.49	3819306.45	3.21E-07	1.35E-06	1.22E-07	1.79E-06	2.68E-07	9.92E-07	8.73E-08	1.35E-06	3.04E-08	1.74E-07	2.07E-08	2.25E-07	2.76E-08	9.10E-08	6.27E-09	1.25E-07
7331	470320.57	3819296.8	3.05E-07	1.28E-06	1.15E-07	1.70E-06	2.54E-07	9.42E-07	8.29E-08	1.28E-06	2.88E-08	1.65E-07	1.97E-08	2.14E-07	2.62E-08	8.64E-08	5.96E-09	1.19E-07
7332	470320.65	3819287.15	2.87E-07	1.20E-06	1.08E-07	1.60E-06	2.39E-07	8.84E-07	7.78E-08	1.20E-06	2.71E-08	1.55E-07	1.85E-08	2.00E-07	2.46E-08	8.11E-08	5.59E-09	1.11E-07
7333	470320.74	3819277.51	2.65E-07	1.11E-06	1.00E-07	1.48E-06	2.21E-07	8.18E-07	7.20E-08	1.11E-06	2.50E-08	1.43E-07	1.71E-08	1.85E-07	2.28E-08	7.50E-08	5.17E-09	1.03E-07
7334	470320.82	3819267.86	2.41E-07	1.01E-06	9.12E-08	1.35E-06	2.01E-07	7.44E-07	6.55E-08	1.01E-06	2.28E-08	1.30E-07	1.56E-08	1.69E-07	2.07E-08	6.83E-08	4.71E-09	9.37E-08
7335	470320.9	3819258.21	2.16E-07	9.05E-07	8.15E-08	1.20E-06	1.80E-07	6.65E-07	5.85E-08	9.03E-07	2.04E-08	1.17E-07	1.39E-08	1.51E-07	1.85E-08	6.10E-08	4.21E-09	8.37E-08
7336	470320.99	3819248.56	1.89E-07	7.96E-07	7.17E-08	1.06E-06	1.58E-07	5.85E-07	5.14E-08	7.94E-07	1.79E-08	1.02E-07	1.22E-08	1.33E-07	1.63E-08	5.36E-08	3.70E-09	7.36E-08
7337	470325.49	3819460.09	2.19E-07	9.21E-07	8.29E-08	1.22E-06	1.83E-07	6.77E-07	5.95E-08	9.19E-07	2.07E-08	1.19E-07	1.41E-08	1.53E-07	1.88E-08	6.21E-08	4.28E-09	8.52E-08
7338	470321.73	3819468.92	2.11E-07	8.88E-07	7.99E-08	1.18E-06	1.76E-07	6.52E-07	5.74E-08	8.86E-07	2.00E-08	1.14E-07	1.36E-08	1.48E-07	1.81E-08	5.98E-08	4.12E-09	8.21E-08
7339	470317.97	3819477.75	2.02E-07	8.50E-07	7.65E-08	1.13E-06	1.69E-07	6.24E-07	5.49E-08	8.48E-07	1.91E-08	1.09E-07	1.31E-08	1.42E-07	1.74E-08	5.73E-08	3.95E-09	7.86E-08
7340	470305.29	3819490.14	2.03E-07	8.54E-07	7.69E-08	1.13E-06	1.69E-07	6.27E-07	5.52E-08	8.52E-07	1.92E-08	1.10E-07	1.31E-08	1.42E-07	1.75E-08	5.75E-08	3.97E-09	7.90E-08

7341	470329.25	3819451.26	2.26E-07	9.48E-07	8.53E-08	1.26E-06	1.88E-07	6.96E-07	6.13E-08	9.45E-07	2.13E-08	1.22E-07	1.46E-08	1.58E-07	1.94E-08	6.39E-08	4.40E-09	8.76E-08
7342	470329.33	3819441.61	2.42E-07	1.02E-06	9.17E-08	1.35E-06	2.02E-07	7.48E-07	6.58E-08	1.02E-06	2.29E-08	1.31E-07	1.56E-08	1.70E-07	2.08E-08	6.86E-08	4.73E-09	9.42E-08
7343	470329.41	3819431.96	2.59E-07	1.09E-06	9.78E-08	1.44E-06	2.15E-07	7.98E-07	7.02E-08	1.08E-06	2.44E-08	1.40E-07	1.67E-08	1.81E-07	2.22E-08	7.32E-08	5.05E-09	1.00E-07
7344	470329.5	3819422.31	2.73E-07	1.15E-06	1.03E-07	1.52E-06	2.28E-07	8.43E-07	7.42E-08	1.14E-06	2.58E-08	1.48E-07	1.76E-08	1.91E-07	2.35E-08	7.73E-08	5.33E-09	1.06E-07
7345	470329.58	3819412.67	2.86E-07	1.20E-06	1.08E-07	1.59E-06	2.38E-07	8.81E-07	7.75E-08	1.20E-06	2.70E-08	1.54E-07	1.84E-08	2.00E-07	2.45E-08	8.09E-08	5.57E-09	1.11E-07
7346	470329.66	3819403.02	2.96E-07	1.24E-06	1.12E-07	1.65E-06	2.46E-07	9.12E-07	8.03E-08	1.24E-06	2.79E-08	1.60E-07	1.91E-08	2.07E-07	2.54E-08	8.37E-08	5.77E-09	1.15E-07
7347	470329.74	3819393.37	3.03E-07	1.27E-06	1.15E-07	1.69E-06	2.53E-07	9.36E-07	8.23E-08	1.27E-06	2.86E-08	1.64E-07	1.96E-08	2.12E-07	2.60E-08	8.59E-08	5.92E-09	1.18E-07
7348	470329.83	3819383.72	3.08E-07	1.29E-06	1.17E-07	1.72E-06	2.57E-07	9.51E-07	8.37E-08	1.29E-06	2.91E-08	1.67E-07	1.99E-08	2.16E-07	2.65E-08	8.73E-08	6.02E-09	1.20E-07
7349	470329.91	3819374.07	3.11E-07	1.31E-06	1.18E-07	1.73E-06	2.59E-07	9.59E-07	8.44E-08	1.30E-06	2.94E-08	1.68E-07	2.01E-08	2.17E-07	2.67E-08	8.80E-08	6.07E-09	1.21E-07
7350	470329.99	3819364.43	3.11E-07	1.31E-06	1.18E-07	1.73E-06	2.59E-07	9.60E-07	8.44E-08	1.30E-06	2.94E-08	1.68E-07	2.01E-08	2.18E-07	2.67E-08	8.80E-08	6.07E-09	1.21E-07
7351	470330.08	3819354.78	3.09E-07	1.30E-06	1.17E-07	1.72E-06	2.57E-07	9.53E-07	8.39E-08	1.29E-06	2.92E-08	1.67E-07	1.99E-08	2.16E-07	2.65E-08	8.75E-08	6.03E-09	1.20E-07
7352	470330.16	3819345.13	3.05E-07	1.28E-06	1.15E-07	1.70E-06	2.54E-07	9.41E-07	8.28E-08	1.28E-06	2.88E-08	1.65E-07	1.97E-08	2.13E-07	2.62E-08	8.63E-08	5.95E-09	1.18E-07
7353	470330.24	3819335.48	2.99E-07	1.26E-06	1.13E-07	1.67E-06	2.49E-07	9.23E-07	8.12E-08	1.25E-06	2.82E-08	1.62E-07	1.93E-08	2.09E-07	2.57E-08	8.46E-08	5.83E-09	1.16E-07
7354	470330.32	3819325.83	2.91E-07	1.22E-06	1.10E-07	1.62E-06	2.42E-07	8.98E-07	7.90E-08	1.22E-06	2.75E-08	1.57E-07	1.88E-08	2.04E-07	2.50E-08	8.24E-08	5.68E-09	1.13E-07
7355	470330.41	3819316.18	2.81E-07	1.18E-06	1.06E-07	1.57E-06	2.34E-07	8.68E-07	7.63E-08	1.18E-06	2.66E-08	1.52E-07	1.81E-08	1.97E-07	2.41E-08	7.96E-08	5.49E-09	1.09E-07
7356	470330.49	3819306.54	2.69E-07	1.13E-06	1.02E-07	1.50E-06	2.24E-07	8.31E-07	7.31E-08	1.13E-06	2.54E-08	1.46E-07	1.74E-08	1.88E-07	2.31E-08	7.63E-08	5.26E-09	1.05E-07
7357	470330.57	3819296.89	2.56E-07	1.07E-06	9.67E-08	1.43E-06	2.13E-07	7.89E-07	6.94E-08	1.07E-06	2.41E-08	1.38E-07	1.65E-08	1.79E-07	2.19E-08	7.24E-08	4.99E-09	9.93E-08
7358	470330.65	3819287.24	2.40E-07	1.01E-06	9.07E-08	1.34E-06	2.00E-07	7.40E-07	6.51E-08	1.00E-06	2.26E-08	1.30E-07	1.55E-08	1.68E-07	2.06E-08	6.79E-08	4.68E-09	9.31E-08
7359	470330.74	3819277.59	2.22E-07	9.33E-07	8.40E-08	1.24E-06	1.85E-07	6.85E-07	6.03E-08	9.31E-07	2.10E-08	1.20E-07	1.43E-08	1.55E-07	1.91E-08	6.29E-08	4.33E-09	8.63E-08
7360	470330.82	3819267.94	2.03E-07	8.52E-07	7.67E-08	1.13E-06	1.69E-07	6.26E-07	5.51E-08	8.50E-07	1.92E-08	1.10E-07	1.31E-08	1.42E-07	1.74E-08	5.74E-08	3.96E-09	7.88E-08
7361	470330.9	3819258.3	1.83E-07	7.67E-07	6.90E-08	1.02E-06	1.52E-07	5.63E-07	4.96E-08	7.65E-07	1.72E-08	9.87E-08	1.18E-08	1.28E-07	1.57E-08	5.17E-08	3.56E-09	7.09E-08
7362	470330.99	3819248.65	1.62E-07	6.81E-07	6.13E-08	9.04E-07	1.35E-07	5.00E-07	4.40E-08	6.79E-07	1.53E-08	8.76E-08	1.05E-08	1.13E-07	1.39E-08	4.59E-08	3.16E-09	6.30E-08
7363	470335.64	3819459.82	1.96E-07	8.25E-07	7.43E-08	1.10E-06	1.64E-07	6.06E-07	5.33E-08	8.23E-07	1.86E-08	1.06E-07	1.27E-08	1.37E-07	1.69E-08	5.56E-08	3.83E-09	7.63E-08
7364	470332.03	3819468.3	1.91E-07	8.01E-07	7.22E-08	1.06E-06	1.59E-07	5.89E-07	5.18E-08	7.99E-07	1.80E-08	1.03E-07	1.23E-08	1.33E-07	1.64E-08	5.40E-08	3.72E-09	7.41E-08
7365	470328.42	3819476.78	1.84E-07	7.73E-07	6.96E-08	1.03E-06	1.53E-07	5.68E-07	5.00E-08	7.71E-07	1.74E-08	9.95E-08	1.19E-08	1.29E-07	1.58E-08	5.21E-08	3.59E-09	7.15E-08
7366	470324.81	3819485.25	1.77E-07	7.43E-07	6.69E-08	9.87E-07	1.47E-07	5.46E-07	4.80E-08	7.41E-07	1.67E-08	9.56E-08	1.14E-08	1.24E-07	1.52E-08	5.01E-08	3.45E-09	6.87E-08
7367	470312.64	3819497.15	1.77E-07	7.45E-07	6.71E-08	9.90E-07	1.48E-07	5.48E-07	4.82E-08	7.44E-07	1.68E-08	9.59E-08	1.14E-08	1.24E-07	1.52E-08	5.02E-08	3.46E-09	6.89E-08
7368	470304.08	3819500.57	1.86E-07	7.79E-07	7.02E-08	1.04E-06	1.55E-07	5.73E-07	5.04E-08	7.78E-07	1.75E-08	1.00E-07	1.20E-08	1.30E-07	1.59E-08	5.25E-08	3.62E-09	7.21E-08
7369	470339.25	3819451.34	2.01E-07	8.44E-07	7.60E-08	1.12E-06	1.67E-07	6.20E-07	5.45E-08	8.42E-07	1.90E-08	1.09E-07	1.30E-08	1.41E-07	1.73E-08	5.69E-08	3.92E-09	7.80E-08
7370	470339.33	3819441.7	2.14E-07	8.99E-07	8.10E-08	1.19E-06	1.78E-07	6.61E-07	5.81E-08	8.97E-07	2.02E-08	1.16E-07	1.38E-08	1.50E-07	1.84E-08	6.06E-08	4.18E-09	8.32E-08
7371	470339.41	3819432.05	2.27E-07	9.52E-07	8.58E-08	1.27E-06	1.89E-07	7.00E-07	6.16E-08	9.50E-07	2.14E-08	1.23E-07	1.46E-08	1.59E-07	1.95E-08	6.42E-08	4.43E-09	8.81E-08
7372	470339.5	3819422.4	2.38E-07	1.00E-06	9.01E-08	1.33E-06	1.98E-07	7.35E-07	6.47E-08	9.98E-07	2.25E-08	1.29E-07	1.54E-08	1.67E-07	2.04E-08	6.74E-08	4.65E-09	9.25E-08
7373	470339.58	3819412.75	2.48E-07	1.04E-06	9.38E-08	1.38E-06	2.07E-07	7.65E-07	6.73E-08	1.04E-06	2.34E-08	1.34E-07	1.60E-08	1.73E-07	2.13E-08	7.02E-08	4.84E-09	9.63E-08
7374	470339.66	3819403.1	2.56E-07	1.07E-06	9.67E-08	1.43E-06	2.13E-07	7.89E-07	6.94E-08	1.07E-06	2.41E-08	1.38E-07	1.65E-08	1.79E-07	2.20E-08	7.24E-08	4.99E-09	9.93E-08
7375	470339.74	3819393.46	2.62E-07	1.10E-06	9.89E-08	1.46E-06	2.18E-07	8.07E-07	7.10E-08	1.10E-06	2.47E-08	1.41E-07	1.69E-08	1.83E-07	2.25E-08	7.40E-08	5.10E-09	1.02E-07
7376	470339.83	3819383.81	2.65E-07	1.11E-06	1.00E-07	1.48E-06	2.21E-07	8.19E-07	7.20E-08	1.11E-06	2.50E-08	1.43E-07	1.71E-08	1.86E-07	2.28E-08	7.51E-08	5.18E-09	1.03E-07
7377	470339.91	3819374.16	2.67E-07	1.12E-06	1.01E-07	1.49E-06	2.22E-07	8.24E-07	7.25E-08	1.12E-06	2.52E-08	1.44E-07	1.72E-08	1.87E-07	2.29E-08	7.56E-08	5.21E-09	1.04E-07
7378	470339.99	3819364.51	2.67E-07	1.12E-06	1.01E-07	1.49E-06	2.22E-07	8.24E-07	7.25E-08	1.12E-06	2.52E-08	1.44E-07	1.72E-08	1.87E-07	2.29E-08	7.56E-08	5.21E-09	1.04E-07
7379	470340.08	3819354.86	2.65E-07	1.11E-06	1.00E-07	1.48E-06	2.21E-07	8.18E-07	7.19E-08	1.11E-06	2.50E-08	1.43E-07	1.71E-08	1.85E-07	2.27E-08	7.50E-08	5.17E-09	1.03E-07
7380	470340.16	3819345.21	2.61E-07	1.10E-06	9.88E-08	1.46E-06	2.18E-07	8.06E-07	7.09E-08	1.09E-06	2.47E-08	1.41E-07	1.69E-08	1.83E-07	2.24E-08	7.40E-08	5.10E-09	1.01E-07
7381	470340.24	3819335.57	2.56E-07	1.07E-06	9.68E-08	1.43E-06	2.13E-07	7.89E-07	6.95E-08	1.07E-06	2.42E-08	1.38E-07	1.65E-08	1.79E-07	2.20E-08	7.24E-08	4.99E-09	9.94E-08
7382	470340.32	3819325.92	2.49E-07	1.04E-06	9.41E-08	1.39E-06	2.07E-07	7.68E-07	6.75E-08	1.04E-06	2.35E-08	1.34E-07	1.60E-08	1.74E-07	2.14E-08	7.04E-08	4.85E-09	9.66E-08
7383	470340.41	3819316.27	2.40E-07	1.01E-06	9.08E-08	1.34E-06	2.00E-07	7.41E-07	6.52E-08	1.01E-06	2.27E-08	1.30E-07	1.55E-08	1.68E-07	2.06E-08	6.79E-08	4.68E-09	9.32E-08
7384	470340.49	3819306.62	2.30E-07	9.65E-07	8.69E-08	1.28E-06	1.91E-07	7.09E-07	6.24E-08	9.63E-07	2.17E-08	1.24E-07	1.48E-08	1.61E-07	1.97E-08	6.50E-08	4.48E-09	8.92E-08
7385	470340.57	3819296.97	2.18E-07	9.15E-07	8.24E-08	1.21E-06	1.81E-07	6.72E-07	5.91E-08	9.13E-07	2.06E-08	1.18E-07	1.41E-08	1.52E-07	1.87E-08	6.17E-08	4.25E-09	8.46E-08
7386	470340.65	3819287.33	2.04E-07	8.59E-07	7.73E-08	1.14E-06	1.70E-07	6.31E-07	5.55E-08	8.57E-07	1.93E-08	1.11E-07	1.32E-08	1.43E-07	1.76E-08	5.79E-08	3.99E-09	7.94E-08
7387	470340.74	3819277.68	1.90E-07	7.97E-07	7.17E-08	1.06E-06	1.58E-07	5.85E-07	5.15E-08	7.95E-07	1.79E-08	1.03E-07	1.22E-08	1.33E-07	1.63E-08	5.37E-08	3.70E-09	7.37E-08
7388	470340.82	3819268.03	1.74E-07	7.30E-07	6.58E-08	9.70E-07	1.45E-07	5.36E-07	4.72E-08	7.29E-07	1.64E-08	9.40E-08	1.12E-08	1.22E-07	1.49E-08	4.92E-08	3.39E-09	6.75E-08
7389	470340.9	3819258.38	1.57E-07	6.61E-07	5.95E-08	8.78E-07	1.31E-07	4.86E-07	4.27E-08	6.60E-07	1.49E-08	8.51E-08	1.02E-08	1.10E-07	1.35E-08	4.46E-08	3.07E-09	6.11E-08
7390	470340.99	3819248.73	1.41E-07	5.92E-07	5.33E-08	7.86E-07	1.17E-07	4.35E-07	3.83E-08	5.91E-07	1.33E-08	7.62E-08	9.09E-09	9.86E-08	1.21E-08	3.99E-08	2.75E-09	5.47E-08
7391	470345.74	3819459.67	1.77E-07	7.43E-07	6.69E-08	9.87E-07	1.47E-07	5.46E-07	4.80E-08	7.41E-07	1.67E-08	9.57E-08	1.14E-08	1.24E-07	1.52E-08	5.01E-08	3.45E-09	6.87E-08

7392	470338.72	3819476.16	1.68E-07	7.04E-07	6.34E-08	9.35E-07	1.40E-07	5.18E-07	4.55E-08	7.03E-07	1.58E-08	9.07E-08	1.08E-08	1.17E-07	1.44E-08	4.75E-08	3.27E-09	6.51E-08
7393	470331.7	3819492.64	1.56E-07	6.56E-07	5.91E-08	8.72E-07	1.30E-07	4.82E-07	4.24E-08	6.55E-07	1.48E-08	8.45E-08	1.01E-08	1.09E-07	1.34E-08	4.42E-08	3.05E-09	6.07E-08
7394	470319.87	3819504.2	1.57E-07	6.58E-07	5.93E-08	8.74E-07	1.31E-07	4.84E-07	4.25E-08	6.57E-07	1.48E-08	8.47E-08	1.01E-08	1.10E-07	1.35E-08	4.44E-08	3.06E-09	6.09E-08
7395	470303.23	3819510.85	1.70E-07	7.13E-07	6.42E-08	9.46E-07	1.41E-07	5.24E-07	4.61E-08	7.11E-07	1.60E-08	9.17E-08	1.09E-08	1.19E-07	1.46E-08	4.80E-08	3.31E-09	6.59E-08
7396	470349.33	3819441.78	1.91E-07	8.01E-07	7.22E-08	1.06E-06	1.59E-07	5.89E-07	5.18E-08	7.99E-07	1.80E-08	1.03E-07	1.23E-08	1.33E-07	1.64E-08	5.40E-08	3.72E-09	7.41E-08
7397	470349.41	3819432.13	2.01E-07	8.43E-07	7.60E-08	1.12E-06	1.67E-07	6.20E-07	5.45E-08	8.42E-07	1.90E-08	1.09E-07	1.30E-08	1.40E-07	1.72E-08	5.68E-08	3.92E-09	7.80E-08
7398	470349.5	3819422.49	2.10E-07	8.81E-07	7.94E-08	1.17E-06	1.75E-07	6.48E-07	5.70E-08	8.79E-07	1.98E-08	1.13E-07	1.35E-08	1.47E-07	1.80E-08	5.94E-08	4.09E-09	8.15E-08
7399	470349.58	3819412.84	2.18E-07	9.14E-07	8.23E-08	1.21E-06	1.81E-07	6.71E-07	5.91E-08	9.12E-07	2.05E-08	1.18E-07	1.40E-08	1.52E-07	1.87E-08	6.16E-08	4.25E-09	8.45E-08
7400	470349.66	3819403.19	2.24E-07	9.40E-07	8.46E-08	1.25E-06	1.86E-07	6.90E-07	6.07E-08	9.37E-07	2.11E-08	1.21E-07	1.44E-08	1.57E-07	1.92E-08	6.33E-08	4.37E-09	8.69E-08
7401	470349.74	3819393.54	2.28E-07	9.58E-07	8.63E-08	1.27E-06	1.90E-07	7.04E-07	6.19E-08	9.56E-07	2.16E-08	1.23E-07	1.47E-08	1.60E-07	1.96E-08	6.46E-08	4.45E-09	8.86E-08
7402	470349.83	3819383.89	2.31E-07	9.70E-07	8.73E-08	1.29E-06	1.92E-07	7.13E-07	6.27E-08	9.68E-07	2.18E-08	1.25E-07	1.49E-08	1.62E-07	1.98E-08	6.54E-08	4.51E-09	8.97E-08
7403	470349.91	3819374.24	2.32E-07	9.75E-07	8.78E-08	1.29E-06	1.93E-07	7.16E-07	6.30E-08	9.73E-07	2.19E-08	1.25E-07	1.50E-08	1.62E-07	1.99E-08	6.57E-08	4.53E-09	9.02E-08
7404	470349.99	3819364.6	2.32E-07	9.74E-07	8.77E-08	1.29E-06	1.93E-07	7.16E-07	6.29E-08	9.72E-07	2.19E-08	1.25E-07	1.50E-08	1.62E-07	1.99E-08	6.56E-08	4.52E-09	9.01E-08
7405	470350.07	3819354.95	2.30E-07	9.66E-07	8.70E-08	1.28E-06	1.92E-07	7.10E-07	6.25E-08	9.64E-07	2.17E-08	1.24E-07	1.48E-08	1.61E-07	1.97E-08	6.51E-08	4.49E-09	8.94E-08
7406	470350.16	3819345.3	2.27E-07	9.52E-07	8.57E-08	1.26E-06	1.89E-07	6.99E-07	6.15E-08	9.50E-07	2.14E-08	1.23E-07	1.46E-08	1.59E-07	1.95E-08	6.42E-08	4.42E-09	8.80E-08
7407	470350.24	3819335.65	2.22E-07	9.31E-07	8.38E-08	1.24E-06	1.85E-07	6.84E-07	6.02E-08	9.29E-07	2.09E-08	1.20E-07	1.43E-08	1.55E-07	1.90E-08	6.27E-08	4.33E-09	8.61E-08
7408	470350.32	3819326	2.15E-07	9.04E-07	8.14E-08	1.20E-06	1.79E-07	6.64E-07	5.85E-08	9.02E-07	2.03E-08	1.16E-07	1.39E-08	1.51E-07	1.85E-08	6.10E-08	4.20E-09	8.36E-08
7409	470350.41	3819316.36	2.08E-07	8.72E-07	7.85E-08	1.16E-06	1.73E-07	6.41E-07	5.64E-08	8.70E-07	1.96E-08	1.12E-07	1.34E-08	1.45E-07	1.78E-08	5.88E-08	4.05E-09	8.06E-08
7410	470350.49	3819306.71	1.99E-07	8.34E-07	7.51E-08	1.11E-06	1.65E-07	6.13E-07	5.39E-08	8.32E-07	1.88E-08	1.07E-07	1.28E-08	1.39E-07	1.71E-08	5.62E-08	3.88E-09	7.71E-08
7411	470350.57	3819297.06	1.88E-07	7.91E-07	7.12E-08	1.05E-06	1.57E-07	5.81E-07	5.11E-08	7.89E-07	1.78E-08	1.02E-07	1.21E-08	1.32E-07	1.62E-08	5.33E-08	3.67E-09	7.32E-08
7412	470350.65	3819287.41	1.77E-07	7.43E-07	6.69E-08	9.87E-07	1.47E-07	5.46E-07	4.80E-08	7.41E-07	1.67E-08	9.56E-08	1.14E-08	1.24E-07	1.52E-08	5.01E-08	3.45E-09	6.87E-08
7413	470350.74	3819277.76	1.64E-07	6.91E-07	6.22E-08	9.17E-07	1.37E-07	5.07E-07	4.46E-08	6.89E-07	1.55E-08	8.89E-08	1.06E-08	1.15E-07	1.41E-08	4.66E-08	3.21E-09	6.39E-08
7414	470350.82	3819268.11	1.51E-07	6.35E-07	5.72E-08	8.44E-07	1.26E-07	4.67E-07	4.11E-08	6.34E-07	1.43E-08	8.18E-08	9.76E-09	1.06E-07	1.30E-08	4.28E-08	2.95E-09	5.88E-08
7415	470350.9	3819258.47	1.38E-07	5.78E-07	5.21E-08	7.68E-07	1.15E-07	4.25E-07	3.74E-08	5.77E-07	1.30E-08	7.45E-08	8.88E-09	9.63E-08	1.18E-08	3.90E-08	2.69E-09	5.35E-08
7416	470350.98	3819248.82	1.24E-07	5.21E-07	4.70E-08	6.93E-07	1.03E-07	3.83E-07	3.37E-08	5.20E-07	1.17E-08	6.71E-08	8.01E-09	8.69E-08	1.07E-08	3.51E-08	2.42E-09	4.82E-08
7417	470355.81	3819459.59	1.60E-07	6.73E-07	6.06E-08	8.93E-07	1.33E-07	4.94E-07	4.35E-08	6.71E-07	1.51E-08	8.66E-08	1.03E-08	1.12E-07	1.37E-08	4.53E-08	3.13E-09	6.22E-08
7418	470348.93	3819475.74	1.53E-07	6.43E-07	5.79E-08	8.54E-07	1.28E-07	4.73E-07	4.16E-08	6.42E-07	1.45E-08	8.28E-08	9.88E-09	1.07E-07	1.31E-08	4.34E-08	2.99E-09	5.95E-08
7419	470342.06	3819491.88	1.44E-07	6.05E-07	5.45E-08	8.04E-07	1.20E-07	4.45E-07	3.91E-08	6.04E-07	1.36E-08	7.79E-08	9.30E-09	1.01E-07	1.24E-08	4.08E-08	2.81E-09	5.60E-08
7420	470327.03	3819511.29	1.40E-07	5.87E-07	5.29E-08	7.80E-07	1.16E-07	4.31E-07	3.79E-08	5.86E-07	1.32E-08	7.56E-08	9.02E-09	9.78E-08	1.20E-08	3.96E-08	2.73E-09	5.43E-08
7421	470310.73	3819517.8	1.50E-07	6.31E-07	5.68E-08	8.38E-07	1.25E-07	4.64E-07	4.08E-08	6.30E-07	1.42E-08	8.13E-08	9.69E-09	1.05E-07	1.29E-08	4.25E-08	2.93E-09	5.84E-08
7422	470359.33	3819441.87	1.71E-07	7.19E-07	6.47E-08	9.54E-07	1.43E-07	5.28E-07	4.65E-08	7.17E-07	1.62E-08	9.25E-08	1.10E-08	1.20E-07	1.47E-08	4.84E-08	3.34E-09	6.65E-08
7423	470359.41	3819432.22	1.79E-07	7.53E-07	6.78E-08	1.00E-06	1.49E-07	5.53E-07	4.87E-08	7.51E-07	1.69E-08	9.69E-08	1.16E-08	1.25E-07	1.54E-08	5.07E-08	3.50E-09	6.96E-08
7424	470359.5	3819422.57	1.86E-07	7.83E-07	7.05E-08	1.04E-06	1.55E-07	5.75E-07	5.06E-08	7.81E-07	1.76E-08	1.01E-07	1.20E-08	1.30E-07	1.60E-08	5.28E-08	3.64E-09	7.24E-08
7425	470359.58	3819412.92	1.93E-07	8.09E-07	7.29E-08	1.07E-06	1.60E-07	5.95E-07	5.23E-08	8.07E-07	1.82E-08	1.04E-07	1.24E-08	1.35E-07	1.65E-08	5.45E-08	3.76E-09	7.48E-08
7426	470359.66	3819403.28	1.98E-07	8.30E-07	7.47E-08	1.10E-06	1.65E-07	6.10E-07	5.36E-08	8.28E-07	1.87E-08	1.07E-07	1.27E-08	1.38E-07	1.70E-08	5.59E-08	3.86E-09	7.67E-08
7427	470359.74	3819393.63	2.01E-07	8.45E-07	7.61E-08	1.12E-06	1.68E-07	6.21E-07	5.46E-08	8.43E-07	1.90E-08	1.09E-07	1.30E-08	1.41E-07	1.73E-08	5.69E-08	3.92E-09	7.81E-08
7428	470359.83	3819383.98	2.03E-07	8.54E-07	7.69E-08	1.13E-06	1.69E-07	6.27E-07	5.52E-08	8.52E-07	1.92E-08	1.10E-07	1.31E-08	1.42E-07	1.74E-08	5.75E-08	3.97E-09	7.90E-08
7429	470359.91	3819374.33	2.04E-07	8.57E-07	7.72E-08	1.14E-06	1.70E-07	6.30E-07	5.54E-08	8.55E-07	1.93E-08	1.10E-07	1.32E-08	1.43E-07	1.75E-08	5.78E-08	3.98E-09	7.92E-08
7430	470359.99	3819364.68	2.04E-07	8.55E-07	7.70E-08	1.14E-06	1.70E-07	6.28E-07	5.52E-08	8.53E-07	1.92E-08	1.10E-07	1.31E-08	1.42E-07	1.75E-08	5.76E-08	3.97E-09	7.90E-08
7431	470360.07	3819355.03	2.02E-07	8.47E-07	7.63E-08	1.12E-06	1.68E-07	6.22E-07	5.47E-08	8.45E-07	1.90E-08	1.09E-07	1.30E-08	1.41E-07	1.73E-08	5.71E-08	3.93E-09	7.83E-08
7432	470360.16	3819345.39	1.98E-07	8.34E-07	7.51E-08	1.11E-06	1.65E-07	6.12E-07	5.39E-08	8.32E-07	1.87E-08	1.07E-07	1.28E-08	1.39E-07	1.70E-08	5.62E-08	3.87E-09	7.71E-08
7433	470360.24	3819335.74	1.94E-07	8.15E-07	7.34E-08	1.08E-06	1.62E-07	5.99E-07	5.27E-08	8.13E-07	1.83E-08	1.05E-07	1.25E-08	1.36E-07	1.67E-08	5.49E-08	3.79E-09	7.54E-08
7434	470360.32	3819326.09	1.88E-07	7.91E-07	7.13E-08	1.05E-06	1.57E-07	5.81E-07	5.11E-08	7.89E-07	1.78E-08	1.02E-07	1.22E-08	1.32E-07	1.62E-08	5.33E-08	3.68E-09	7.32E-08
7435	470360.41	3819316.44	1.82E-07	7.63E-07	6.87E-08	1.01E-06	1.51E-07	5.60E-07	4.93E-08	7.61E-07	1.71E-08	9.82E-08	1.17E-08	1.27E-07	1.56E-08	5.14E-08	3.54E-09	7.05E-08
7436	470360.49	3819306.79	1.74E-07	7.29E-07	6.57E-08	9.69E-07	1.45E-07	5.36E-07	4.72E-08	7.28E-07	1.64E-08	9.39E-08	1.12E-08	1.22E-07	1.49E-08	4.92E-08	3.39E-09	6.75E-08
7437	470360.57	3819297.15	1.65E-07	6.92E-07	6.23E-08	9.19E-07	1.37E-07	5.09E-07	4.47E-08	6.90E-07	1.56E-08	8.91E-08	1.06E-08	1.15E-07	1.41E-08	4.66E-08	3.22E-09	6.40E-08
7438	470360.65	3819287.5	1.55E-07	6.51E-07	5.86E-08	8.64E-07	1.29E-07	4.78E-07	4.21E-08	6.49E-07	1.46E-08	8.38E-08	1.00E-08	1.08E-07	1.33E-08	4.39E-08	3.02E-09	6.02E-08
7439	470360.74	3819277.85	1.44E-07	6.06E-07	5.46E-08	8.05E-07	1.20E-07	4.45E-07	3.92E-08	6.05E-07	1.36E-08	7.80E-08	9.31E-09	1.01E-07	1.24E-08	4.09E-08	2.82E-09	5.61E-08
7440	470360.82	3819268.2	1.33E-07	5.60E-07	5.04E-08	7.43E-07	1.11E-07	4.11E-07	3.62E-08	5.58E-07	1.26E-08	7.20E-08	8.59E-09	9.32E-08	1.14E-08	3.77E-08	2.60E-09	5.18E-08
7441	470360.9	3819258.55	1.22E-07	5.12E-07	4.61E-08	6.80E-07	1.02E-07	3.76E-07	3.31E-08	5.11E-07	1.15E-08	6.59E-08	7.86E-09	8.52E-08	1.05E-08	3.45E-08	2.38E-09	4.73E-08
7442	470360.98	3819248.9	1.11E-07	4.64E-07	4.18E-08	6.16E-07	9.21E-08	3.41E-07	3.00E-08	4.63E-07	1.04E-08	5.97E-08	7.13E-09	7.73E-08	9.49E-09	3.13E-08	2.16E-09	4.29E-08

7443	470365.86	3819459.55	1.46E-07	6.12E-07	5.51E-08	8.12E-07	1.21E-07	4.49E-07	3.95E-08	6.10E-07	1.38E-08	7.87E-08	9.39E-09	1.02E-07	1.25E-08	4.12E-08	2.84E-09	5.66E-08
7444	470359.09	3819475.44	1.40E-07	5.89E-07	5.31E-08	7.83E-07	1.17E-07	4.33E-07	3.81E-08	5.88E-07	1.33E-08	7.59E-08	9.05E-09	9.82E-08	1.20E-08	3.97E-08	2.74E-09	5.45E-08
7445	470352.32	3819491.34	1.33E-07	5.59E-07	5.03E-08	7.43E-07	1.11E-07	4.11E-07	3.61E-08	5.58E-07	1.26E-08	7.20E-08	8.59E-09	9.31E-08	1.14E-08	3.77E-08	2.60E-09	5.17E-08
7446	470345.55	3819507.23	1.25E-07	5.26E-07	4.74E-08	6.99E-07	1.04E-07	3.87E-07	3.40E-08	5.25E-07	1.18E-08	6.77E-08	8.08E-09	8.76E-08	1.08E-08	3.55E-08	2.44E-09	4.87E-08
7447	470334.15	3819518.39	1.26E-07	5.27E-07	4.75E-08	7.00E-07	1.05E-07	3.88E-07	3.41E-08	5.26E-07	1.19E-08	6.79E-08	8.10E-09	8.78E-08	1.08E-08	3.55E-08	2.45E-09	4.88E-08
7448	470318.11	3819524.8	1.34E-07	5.64E-07	5.08E-08	7.49E-07	1.12E-07	4.14E-07	3.65E-08	5.63E-07	1.27E-08	7.26E-08	8.66E-09	9.40E-08	1.15E-08	3.80E-08	2.62E-09	5.22E-08
7449	470302.06	3819531.21	1.43E-07	6.01E-07	5.41E-08	7.99E-07	1.19E-07	4.42E-07	3.89E-08	6.00E-07	1.35E-08	7.74E-08	9.23E-09	1.00E-07	1.23E-08	4.05E-08	2.79E-09	5.56E-08
7450	470369.33	3819441.95	1.54E-07	6.48E-07	5.84E-08	8.61E-07	1.29E-07	4.77E-07	4.19E-08	6.47E-07	1.46E-08	8.35E-08	9.96E-09	1.08E-07	1.33E-08	4.37E-08	3.01E-09	6.00E-08
7451	470369.41	3819432.31	1.61E-07	6.76E-07	6.09E-08	8.98E-07	1.34E-07	4.97E-07	4.37E-08	6.75E-07	1.52E-08	8.71E-08	1.04E-08	1.13E-07	1.38E-08	4.56E-08	3.14E-09	6.25E-08
7452	470369.49	3819422.66	1.67E-07	7.01E-07	6.31E-08	9.31E-07	1.39E-07	5.15E-07	4.53E-08	7.00E-07	1.58E-08	9.02E-08	1.08E-08	1.17E-07	1.43E-08	4.73E-08	3.26E-09	6.48E-08
7453	470369.58	3819413.01	1.72E-07	7.22E-07	6.50E-08	9.59E-07	1.43E-07	5.31E-07	4.67E-08	7.20E-07	1.62E-08	9.29E-08	1.11E-08	1.20E-07	1.48E-08	4.87E-08	3.35E-09	6.68E-08
7454	470369.66	3819403.36	1.76E-07	7.39E-07	6.65E-08	9.81E-07	1.47E-07	5.43E-07	4.77E-08	7.37E-07	1.66E-08	9.51E-08	1.13E-08	1.23E-07	1.51E-08	4.98E-08	3.43E-09	6.83E-08
7455	470369.74	3819393.71	1.79E-07	7.51E-07	6.76E-08	9.97E-07	1.49E-07	5.52E-07	4.85E-08	7.49E-07	1.69E-08	9.66E-08	1.15E-08	1.25E-07	1.53E-08	5.06E-08	3.49E-09	6.94E-08
7456	470369.83	3819384.06	1.80E-07	7.57E-07	6.82E-08	1.01E-06	1.50E-07	5.56E-07	4.90E-08	7.56E-07	1.70E-08	9.75E-08	1.16E-08	1.26E-07	1.55E-08	5.10E-08	3.52E-09	7.00E-08
7457	470369.91	3819374.42	1.81E-07	7.59E-07	6.84E-08	1.01E-06	1.51E-07	5.58E-07	4.91E-08	7.58E-07	1.71E-08	9.77E-08	1.17E-08	1.26E-07	1.55E-08	5.12E-08	3.53E-09	7.02E-08
7458	470369.99	3819364.77	1.80E-07	7.56E-07	6.81E-08	1.00E-06	1.50E-07	5.56E-07	4.89E-08	7.55E-07	1.70E-08	9.74E-08	1.16E-08	1.26E-07	1.55E-08	5.10E-08	3.51E-09	7.00E-08
7459	470370.07	3819355.12	1.78E-07	7.49E-07	6.74E-08	9.94E-07	1.49E-07	5.50E-07	4.84E-08	7.47E-07	1.68E-08	9.64E-08	1.15E-08	1.25E-07	1.53E-08	5.05E-08	3.48E-09	6.93E-08
7460	470370.16	3819345.47	1.75E-07	7.36E-07	6.63E-08	9.78E-07	1.46E-07	5.41E-07	4.76E-08	7.35E-07	1.66E-08	9.48E-08	1.13E-08	1.23E-07	1.51E-08	4.96E-08	3.42E-09	6.81E-08
7461	470370.24	3819335.82	1.71E-07	7.20E-07	6.48E-08	9.56E-07	1.43E-07	5.29E-07	4.65E-08	7.18E-07	1.62E-08	9.26E-08	1.11E-08	1.20E-07	1.47E-08	4.85E-08	3.34E-09	6.66E-08
7462	470370.32	3819326.18	1.66E-07	6.99E-07	6.29E-08	9.28E-07	1.39E-07	5.13E-07	4.52E-08	6.97E-07	1.57E-08	8.99E-08	1.07E-08	1.16E-07	1.43E-08	4.71E-08	3.25E-09	6.46E-08
7463	470370.4	3819316.53	1.60E-07	6.73E-07	6.06E-08	8.94E-07	1.34E-07	4.95E-07	4.35E-08	6.72E-07	1.51E-08	8.67E-08	1.03E-08	1.12E-07	1.38E-08	4.54E-08	3.13E-09	6.23E-08
7464	470370.49	3819306.88	1.53E-07	6.44E-07	5.80E-08	8.56E-07	1.28E-07	4.73E-07	4.16E-08	6.43E-07	1.45E-08	8.29E-08	9.89E-09	1.07E-07	1.32E-08	4.34E-08	2.99E-09	5.96E-08
7465	470370.57	3819297.23	1.46E-07	6.12E-07	5.51E-08	8.12E-07	1.21E-07	4.49E-07	3.95E-08	6.10E-07	1.38E-08	7.87E-08	9.39E-09	1.02E-07	1.25E-08	4.12E-08	2.84E-09	5.66E-08
7466	470370.65	3819287.58	1.37E-07	5.76E-07	5.19E-08	7.65E-07	1.14E-07	4.23E-07	3.72E-08	5.75E-07	1.29E-08	7.41E-08	8.84E-09	9.59E-08	1.18E-08	3.88E-08	2.68E-09	5.33E-08
7467	470370.74	3819277.93	1.28E-07	5.38E-07	4.84E-08	7.14E-07	1.07E-07	3.95E-07	3.48E-08	5.36E-07	1.21E-08	6.92E-08	8.26E-09	8.96E-08	1.10E-08	3.62E-08	2.50E-09	4.97E-08
7468	470370.82	3819268.29	1.19E-07	4.98E-07	4.48E-08	6.61E-07	9.87E-08	3.66E-07	3.22E-08	4.97E-07	1.12E-08	6.41E-08	7.65E-09	8.29E-08	1.02E-08	3.36E-08	2.31E-09	4.60E-08
7469	470370.9	3819258.64	1.09E-07	4.57E-07	4.12E-08	6.07E-07	9.07E-08	3.36E-07	2.96E-08	4.56E-07	1.03E-08	5.89E-08	7.02E-09	7.62E-08	9.35E-09	3.08E-08	2.12E-09	4.23E-08
7470	470370.98	3819248.99	9.93E-08	4.17E-07	3.75E-08	5.54E-07	8.27E-08	3.06E-07	2.69E-08	4.16E-07	9.37E-09	5.37E-08	6.40E-09	6.94E-08	8.52E-09	2.81E-08	1.94E-09	3.86E-08
7471	470375.49	3819460.52	1.33E-07	5.57E-07	5.02E-08	7.40E-07	1.11E-07	4.10E-07	3.60E-08	5.56E-07	1.25E-08	7.18E-08	8.56E-09	9.29E-08	1.14E-08	3.76E-08	2.59E-09	5.16E-08
7472	470371.72	3819469.35	1.31E-07	5.49E-07	4.94E-08	7.29E-07	1.09E-07	4.03E-07	3.55E-08	5.48E-07	1.23E-08	7.06E-08	8.43E-09	9.14E-08	1.12E-08	3.70E-08	2.55E-09	5.08E-08
7473	470367.96	3819478.18	1.28E-07	5.37E-07	4.84E-08	7.14E-07	1.07E-07	3.95E-07	3.47E-08	5.36E-07	1.21E-08	6.92E-08	8.25E-09	8.95E-08	1.10E-08	3.62E-08	2.50E-09	4.97E-08
7474	470364.2	3819487.01	1.25E-07	5.24E-07	4.72E-08	6.96E-07	1.04E-07	3.85E-07	3.39E-08	5.23E-07	1.18E-08	6.75E-08	8.05E-09	8.73E-08	1.07E-08	3.53E-08	2.43E-09	4.85E-08
7475	470360.44	3819495.84	1.21E-07	5.09E-07	4.59E-08	6.76E-07	1.01E-07	3.74E-07	3.29E-08	5.08E-07	1.14E-08	6.55E-08	7.82E-09	8.48E-08	1.04E-08	3.43E-08	2.37E-09	4.71E-08
7476	470356.68	3819504.67	1.18E-07	4.93E-07	4.44E-08	6.55E-07	9.79E-08	3.63E-07	3.19E-08	4.92E-07	1.11E-08	6.35E-08	7.58E-09	8.22E-08	1.01E-08	3.33E-08	2.29E-09	4.56E-08
7477	470352.92	3819513.5	1.14E-07	4.77E-07	4.30E-08	6.34E-07	9.47E-08	3.51E-07	3.09E-08	4.76E-07	1.07E-08	6.15E-08	7.33E-09	7.95E-08	9.76E-09	3.22E-08	2.22E-09	4.42E-08
7478	470340.25	3819525.89	1.14E-07	4.79E-07	4.31E-08	6.36E-07	9.49E-08	3.52E-07	3.09E-08	4.78E-07	1.08E-08	6.16E-08	7.35E-09	7.97E-08	9.78E-09	3.23E-08	2.22E-09	4.43E-08
7479	470331.34	3819529.45	1.18E-07	4.96E-07	4.47E-08	6.59E-07	9.84E-08	3.64E-07	3.21E-08	4.95E-07	1.12E-08	6.39E-08	7.62E-09	8.26E-08	1.01E-08	3.34E-08	2.30E-09	4.59E-08
7480	470322.42	3819533.01	1.22E-07	5.14E-07	4.63E-08	6.82E-07	1.02E-07	3.78E-07	3.32E-08	5.13E-07	1.16E-08	6.61E-08	7.89E-09	8.56E-08	1.05E-08	3.46E-08	2.39E-09	4.75E-08
7481	470313.51	3819536.58	1.27E-07	5.32E-07	4.79E-08	7.06E-07	1.05E-07	3.91E-07	3.44E-08	5.30E-07	1.20E-08	6.84E-08	8.17E-09	8.86E-08	1.09E-08	3.58E-08	2.47E-09	4.92E-08
7482	470304.6	3819540.14	1.31E-07	5.50E-07	4.95E-08	7.30E-07	1.09E-07	4.04E-07	3.55E-08	5.48E-07	1.24E-08	7.07E-08	8.44E-09	9.15E-08	1.12E-08	3.70E-08	2.55E-09	5.08E-08
7483	470379.25	3819451.69	1.34E-07	5.63E-07	5.07E-08	7.48E-07	1.12E-07	4.14E-07	3.64E-08	5.62E-07	1.27E-08	7.25E-08	8.65E-09	9.38E-08	1.15E-08	3.80E-08	2.62E-09	5.21E-08
7484	470379.33	3819442.04	1.40E-07	5.88E-07	5.30E-08	7.81E-07	1.17E-07	4.32E-07	3.80E-08	5.87E-07	1.32E-08	7.57E-08	9.03E-09	9.80E-08	1.20E-08	3.96E-08	2.73E-09	5.44E-08
7485	470379.41	3819432.39	1.46E-07	6.11E-07	5.50E-08	8.12E-07	1.21E-07	4.49E-07	3.95E-08	6.10E-07	1.37E-08	7.87E-08	9.39E-09	1.02E-07	1.25E-08	4.12E-08	2.84E-09	5.65E-08
7486	470379.49	3819422.74	1.50E-07	6.31E-07	5.69E-08	8.39E-07	1.25E-07	4.64E-07	4.08E-08	6.30E-07	1.42E-08	8.13E-08	9.70E-09	1.05E-07	1.29E-08	4.26E-08	2.93E-09	5.84E-08
7487	470379.58	3819413.09	1.54E-07	6.49E-07	5.84E-08	8.61E-07	1.29E-07	4.77E-07	4.19E-08	6.47E-07	1.46E-08	8.35E-08	9.96E-09	1.08E-07	1.33E-08	4.37E-08	3.01E-09	6.00E-08
7488	470379.66	3819403.45	1.58E-07	6.62E-07	5.96E-08	8.79E-07	1.31E-07	4.86E-07	4.28E-08	6.61E-07	1.49E-08	8.52E-08	1.02E-08	1.10E-07	1.35E-08	4.46E-08	3.08E-09	6.12E-08
7489	470379.74	3819393.8	1.60E-07	6.71E-07	6.05E-08	8.92E-07	1.33E-07	4.93E-07	4.34E-08	6.70E-07	1.51E-08	8.64E-08	1.03E-08	1.12E-07	1.37E-08	4.53E-08	3.12E-09	6.21E-08
7490	470379.83	3819384.15	1.61E-07	6.77E-07	6.09E-08	8.99E-07	1.34E-07	4.97E-07	4.37E-08	6.75E-07	1.52E-08	8.71E-08	1.04E-08	1.13E-07	1.38E-08	4.56E-08	3.14E-09	6.26E-08
7491	470379.91	3819374.5	1.61E-07	6.78E-07	6.10E-08	9.00E-07	1.34E-07	4.98E-07	4.38E-08	6.76E-07	1.52E-08	8.72E-08	1.04E-08	1.13E-07	1.39E-08	4.57E-08	3.15E-09	6.27E-08
7492	470379.99	3819364.85	1.61E-07	6.74E-07	6.07E-08	8.96E-07	1.34E-07	4.95E-07	4.36E-08	6.73E-07	1.52E-08	8.68E-08	1.04E-08	1.12E-07	1.38E-08	4.55E-08	3.13E-09	6.24E-08
7493	470380.07	3819355.21	1.59E-07	6.67E-07	6.01E-08	8.86E-07	1.32E-07	4.90E-07	4.31E-08	6.65E-07	1.50E-08	8.58E-08	1.02E-08	1.11E-07	1.36E-08	4.50E-08	3.10E-09	6.17E-08

7494	470380.16	3819345.56	1.56E-07	6.55E-07	5.90E-08	8.70E-07	1.30E-07	4.82E-07	4.24E-08	6.54E-07	1.47E-08	8.44E-08	1.01E-08	1.09E-07	1.34E-08	4.42E-08	3.05E-09	6.06E-08
7495	470380.24	3819335.91	1.53E-07	6.40E-07	5.77E-08	8.51E-07	1.27E-07	4.71E-07	4.14E-08	6.39E-07	1.44E-08	8.24E-08	9.84E-09	1.07E-07	1.31E-08	4.32E-08	2.98E-09	5.92E-08
7496	470380.32	3819326.26	1.48E-07	6.22E-07	5.60E-08	8.26E-07	1.23E-07	4.57E-07	4.02E-08	6.20E-07	1.40E-08	8.00E-08	9.55E-09	1.04E-07	1.27E-08	4.19E-08	2.89E-09	5.75E-08
7497	470380.4	3819316.61	1.43E-07	5.99E-07	5.40E-08	7.96E-07	1.19E-07	4.40E-07	3.87E-08	5.98E-07	1.35E-08	7.72E-08	9.21E-09	9.98E-08	1.23E-08	4.04E-08	2.78E-09	5.54E-08
7498	470380.49	3819306.96	1.37E-07	5.74E-07	5.17E-08	7.62E-07	1.14E-07	4.21E-07	3.71E-08	5.72E-07	1.29E-08	7.38E-08	8.81E-09	9.55E-08	1.17E-08	3.87E-08	2.67E-09	5.31E-08
7499	470380.57	3819297.32	1.30E-07	5.45E-07	4.91E-08	7.24E-07	1.08E-07	4.00E-07	3.52E-08	5.44E-07	1.23E-08	7.02E-08	8.37E-09	9.08E-08	1.11E-08	3.67E-08	2.53E-09	5.04E-08
7500	470380.65	3819287.67	1.22E-07	5.14E-07	4.63E-08	6.83E-07	1.02E-07	3.78E-07	3.32E-08	5.13E-07	1.16E-08	6.62E-08	7.89E-09	8.56E-08	1.05E-08	3.46E-08	2.39E-09	4.75E-08
7501	470380.74	3819278.02	1.15E-07	4.81E-07	4.33E-08	6.39E-07	9.54E-08	3.53E-07	3.11E-08	4.80E-07	1.08E-08	6.19E-08	7.39E-09	8.01E-08	9.83E-09	3.24E-08	2.23E-09	4.45E-08
7502	470380.82	3819268.37	1.06E-07	4.47E-07	4.02E-08	5.93E-07	8.86E-08	3.28E-07	2.89E-08	4.46E-07	1.00E-08	5.75E-08	6.86E-09	7.44E-08	9.13E-09	3.01E-08	2.08E-09	4.13E-08
7503	470380.9	3819258.72	9.80E-08	4.12E-07	3.71E-08	5.47E-07	8.17E-08	3.03E-07	2.66E-08	4.11E-07	9.26E-09	5.30E-08	6.32E-09	6.86E-08	8.42E-09	2.78E-08	1.91E-09	3.81E-08
7504	470380.98	3819249.08	8.98E-08	3.77E-07	3.40E-08	5.01E-07	7.48E-08	2.77E-07	2.44E-08	3.76E-07	8.48E-09	4.85E-08	5.79E-09	6.28E-08	7.71E-09	2.54E-08	1.75E-09	3.49E-08
7505	470395.64	3819460.34	1.12E-07	4.70E-07	4.23E-08	6.24E-07	9.32E-08	3.45E-07	3.04E-08	4.69E-07	1.06E-08	6.05E-08	7.22E-09	7.83E-08	9.61E-09	3.17E-08	2.18E-09	4.35E-08
7506	470392.03	3819468.81	1.11E-07	4.65E-07	4.19E-08	6.18E-07	9.23E-08	3.42E-07	3.01E-08	4.64E-07	1.05E-08	5.99E-08	7.15E-09	7.75E-08	9.51E-09	3.14E-08	2.16E-09	4.30E-08
7507	470388.41	3819477.29	1.09E-07	4.59E-07	4.13E-08	6.09E-07	9.10E-08	3.37E-07	2.96E-08	4.58E-07	1.03E-08	5.90E-08	7.04E-09	7.64E-08	9.38E-09	3.09E-08	2.13E-09	4.24E-08
7508	470384.8	3819485.77	1.07E-07	4.51E-07	4.06E-08	5.98E-07	8.94E-08	3.31E-07	2.91E-08	4.50E-07	1.01E-08	5.80E-08	6.92E-09	7.51E-08	9.21E-09	3.04E-08	2.09E-09	4.17E-08
7509	470381.19	3819494.25	1.05E-07	4.41E-07	3.97E-08	5.86E-07	8.75E-08	3.24E-07	2.85E-08	4.40E-07	9.92E-09	5.68E-08	6.78E-09	7.35E-08	9.02E-09	2.97E-08	2.05E-09	4.08E-08
7510	470377.58	3819502.72	1.03E-07	4.31E-07	3.88E-08	5.72E-07	8.54E-08	3.17E-07	2.78E-08	4.30E-07	9.69E-09	5.55E-08	6.62E-09	7.18E-08	8.81E-09	2.90E-08	2.00E-09	3.98E-08
7511	470373.97	3819511.2	9.99E-08	4.19E-07	3.78E-08	5.57E-07	8.32E-08	3.08E-07	2.71E-08	4.18E-07	9.43E-09	5.40E-08	6.44E-09	6.99E-08	8.57E-09	2.83E-08	1.95E-09	3.88E-08
7512	470370.36	3819519.68	9.71E-08	4.08E-07	3.67E-08	5.42E-07	8.09E-08	3.00E-07	2.64E-08	4.07E-07	9.17E-09	5.25E-08	6.26E-09	6.79E-08	8.33E-09	2.75E-08	1.89E-09	3.77E-08
7513	470366.75	3819528.15	9.43E-08	3.96E-07	3.57E-08	5.26E-07	7.86E-08	2.91E-07	2.56E-08	3.95E-07	8.91E-09	5.10E-08	6.08E-09	6.60E-08	8.10E-09	2.67E-08	1.84E-09	3.66E-08
7514	470354.59	3819540.05	9.45E-08	3.97E-07	3.57E-08	5.27E-07	7.87E-08	2.92E-07	2.56E-08	3.96E-07	8.92E-09	5.11E-08	6.09E-09	6.61E-08	8.11E-09	2.67E-08	1.84E-09	3.67E-08
7515	470346.03	3819543.47	9.75E-08	4.09E-07	3.69E-08	5.44E-07	8.12E-08	3.01E-07	2.65E-08	4.08E-07	9.21E-09	5.27E-08	6.29E-09	6.82E-08	8.37E-09	2.76E-08	1.90E-09	3.79E-08
7516	470337.47	3819546.89	1.01E-07	4.22E-07	3.80E-08	5.61E-07	8.37E-08	3.10E-07	2.73E-08	4.21E-07	9.49E-09	5.43E-08	6.48E-09	7.03E-08	8.63E-09	2.85E-08	1.96E-09	3.90E-08
7517	470328.92	3819550.31	1.04E-07	4.35E-07	3.92E-08	5.78E-07	8.63E-08	3.20E-07	2.81E-08	4.34E-07	9.79E-09	5.60E-08	6.68E-09	7.25E-08	8.90E-09	2.93E-08	2.02E-09	4.03E-08
7518	470320.36	3819553.73	1.07E-07	4.48E-07	4.04E-08	5.96E-07	8.90E-08	3.30E-07	2.90E-08	4.48E-07	1.01E-08	5.77E-08	6.89E-09	7.47E-08	9.17E-09	3.02E-08	2.08E-09	4.15E-08
7519	470311.8	3819557.14	1.10E-07	4.62E-07	4.16E-08	6.13E-07	9.16E-08	3.39E-07	2.99E-08	4.61E-07	1.04E-08	5.95E-08	7.09E-09	7.69E-08	9.44E-09	3.11E-08	2.15E-09	4.27E-08
7520	470303.25	3819560.56	1.13E-07	4.75E-07	4.28E-08	6.31E-07	9.42E-08	3.49E-07	3.07E-08	4.74E-07	1.07E-08	6.12E-08	7.30E-09	7.91E-08	9.71E-09	3.20E-08	2.21E-09	4.39E-08
7521	470399.25	3819451.86	1.13E-07	4.73E-07	4.26E-08	6.28E-07	9.38E-08	3.48E-07	3.06E-08	4.72E-07	1.06E-08	6.09E-08	7.26E-09	7.88E-08	9.67E-09	3.19E-08	2.20E-09	4.37E-08
7522	470399.33	3819442.21	1.17E-07	4.90E-07	4.42E-08	6.51E-07	9.73E-08	3.60E-07	3.17E-08	4.89E-07	1.10E-08	6.31E-08	7.53E-09	8.17E-08	1.00E-08	3.31E-08	2.28E-09	4.54E-08
7523	470399.41	3819432.56	1.21E-07	5.06E-07	4.56E-08	6.73E-07	1.00E-07	3.72E-07	3.27E-08	5.05E-07	1.14E-08	6.52E-08	7.78E-09	8.43E-08	1.04E-08	3.41E-08	2.35E-09	4.68E-08
7524	470399.49	3819422.91	1.24E-07	5.20E-07	4.69E-08	6.91E-07	1.03E-07	3.82E-07	3.36E-08	5.19E-07	1.17E-08	6.70E-08	7.99E-09	8.67E-08	1.06E-08	3.51E-08	2.42E-09	4.81E-08
7525	470399.58	3819413.27	1.27E-07	5.32E-07	4.79E-08	7.06E-07	1.05E-07	3.91E-07	3.44E-08	5.31E-07	1.20E-08	6.85E-08	8.17E-09	8.86E-08	1.09E-08	3.58E-08	2.47E-09	4.92E-08
7526	470399.66	3819403.62	1.29E-07	5.41E-07	4.87E-08	7.18E-07	1.07E-07	3.97E-07	3.50E-08	5.40E-07	1.22E-08	6.96E-08	8.30E-09	9.01E-08	1.11E-08	3.64E-08	2.51E-09	5.00E-08
7527	470399.74	3819393.97	1.30E-07	5.47E-07	4.92E-08	7.26E-07	1.08E-07	4.02E-07	3.53E-08	5.45E-07	1.23E-08	7.04E-08	8.40E-09	9.11E-08	1.12E-08	3.68E-08	2.54E-09	5.06E-08
7528	470399.82	3819384.32	1.31E-07	5.50E-07	4.95E-08	7.30E-07	1.09E-07	4.04E-07	3.55E-08	5.48E-07	1.24E-08	7.07E-08	8.44E-09	9.15E-08	1.12E-08	3.70E-08	2.55E-09	5.08E-08
7529	470399.91	3819374.67	1.31E-07	5.49E-07	4.95E-08	7.30E-07	1.09E-07	4.04E-07	3.55E-08	5.48E-07	1.24E-08	7.07E-08	8.44E-09	9.15E-08	1.12E-08	3.70E-08	2.55E-09	5.08E-08
7530	470399.99	3819365.03	1.30E-07	5.46E-07	4.92E-08	7.25E-07	1.08E-07	4.01E-07	3.53E-08	5.45E-07	1.23E-08	7.03E-08	8.38E-09	9.09E-08	1.12E-08	3.68E-08	2.54E-09	5.05E-08
7531	470400.07	3819355.38	1.28E-07	5.39E-07	4.86E-08	7.16E-07	1.07E-07	3.96E-07	3.49E-08	5.38E-07	1.21E-08	6.94E-08	8.28E-09	8.98E-08	1.10E-08	3.64E-08	2.51E-09	4.99E-08
7532	470400.16	3819345.73	1.26E-07	5.30E-07	4.77E-08	7.04E-07	1.05E-07	3.89E-07	3.42E-08	5.29E-07	1.19E-08	6.82E-08	8.14E-09	8.82E-08	1.08E-08	3.57E-08	2.46E-09	4.90E-08
7533	470400.24	3819336.08	1.23E-07	5.17E-07	4.66E-08	6.87E-07	1.03E-07	3.80E-07	3.34E-08	5.16E-07	1.16E-08	6.66E-08	7.95E-09	8.62E-08	1.06E-08	3.49E-08	2.40E-09	4.78E-08
7534	470400.32	3819326.43	1.20E-07	5.02E-07	4.52E-08	6.67E-07	9.96E-08	3.69E-07	3.25E-08	5.01E-07	1.13E-08	6.46E-08	7.71E-09	8.36E-08	1.03E-08	3.38E-08	2.33E-09	4.64E-08
7535	470400.4	3819316.78	1.15E-07	4.84E-07	4.36E-08	6.43E-07	9.61E-08	3.56E-07	3.13E-08	4.83E-07	1.09E-08	6.23E-08	7.44E-09	8.07E-08	9.90E-09	3.26E-08	2.25E-09	4.48E-08
7536	470400.49	3819307.14	1.11E-07	4.64E-07	4.18E-08	6.17E-07	9.21E-08	3.41E-07	3.00E-08	4.63E-07	1.04E-08	5.98E-08	7.13E-09	7.73E-08	9.49E-09	3.13E-08	2.16E-09	4.29E-08
7537	470400.57	3819297.49	1.05E-07	4.42E-07	3.98E-08	5.87E-07	8.77E-08	3.25E-07	2.86E-08	4.41E-07	9.94E-09	5.69E-08	6.79E-09	7.36E-08	9.04E-09	2.98E-08	2.05E-09	4.09E-08
7538	470400.65	3819287.84	9.96E-08	4.18E-07	3.77E-08	5.55E-07	8.29E-08	3.07E-07	2.70E-08	4.17E-07	9.40E-09	5.38E-08	6.42E-09	6.96E-08	8.55E-09	2.82E-08	1.94E-09	3.87E-08
7539	470400.73	3819278.19	9.36E-08	3.93E-07	3.54E-08	5.22E-07	7.79E-08	2.89E-07	2.54E-08	3.92E-07	8.84E-09	5.06E-08	6.04E-09	6.55E-08	8.03E-09	2.65E-08	1.83E-09	3.63E-08
7540	470400.82	3819268.54	8.74E-08	3.67E-07	3.30E-08	4.87E-07	7.28E-08	2.70E-07	2.37E-08	3.66E-07	8.25E-09	4.72E-08	5.64E-09	6.11E-08	7.50E-09	2.47E-08	1.70E-09	3.39E-08
7541	470400.9	3819258.9	8.11E-08	3.41E-07	3.07E-08	4.52E-07	6.75E-08	2.50E-07	2.20E-08	3.40E-07	7.66E-09	4.38E-08	5.23E-09	5.67E-08	6.96E-09	2.30E-08	1.58E-09	3.15E-08
7542	470400.98	3819249.25	7.48E-08	3.14E-07	2.83E-08	4.17E-07	6.23E-08	2.31E-07	2.03E-08	3.14E-07	7.07E-09	4.05E-08	4.83E-09	5.23E-08	6.42E-09	2.12E-08	1.46E-09	2.91E-08
7543	470415.73	3819460.27	9.56E-08	4.01E-07	3.61E-08	5.33E-07	7.96E-08	2.95E-07	2.59E-08	4.00E-07	9.02E-09	5.17E-08	6.16E-09	6.68E-08	8.20E-09	2.70E-08	1.86E-09	3.71E-08
7544	470408.71	3819476.76	9.40E-08	3.95E-07	3.56E-08	5.24E-07	7.83E-08	2.90E-07	2.55E-08	3.94E-07	8.88E-09	5.08E-08	6.06E-09	6.58E-08	8.07E-09	2.66E-08	1.83E-09	3.65E-08

7545	470401.7	3819493.24	9.14E-08	3.84E-07	3.46E-08	5.10E-07	7.61E-08	2.82E-07	2.48E-08	3.83E-07	8.63E-09	4.94E-08	5.89E-09	6.39E-08	7.84E-09	2.59E-08	1.78E-09	3.55E-08
7546	470394.68	3819509.72	8.78E-08	3.69E-07	3.32E-08	4.90E-07	7.32E-08	2.71E-07	2.38E-08	3.68E-07	8.29E-09	4.75E-08	5.66E-09	6.14E-08	7.54E-09	2.49E-08	1.71E-09	3.41E-08
7547	470387.66	3819526.21	8.38E-08	3.52E-07	3.17E-08	4.67E-07	6.98E-08	2.58E-07	2.27E-08	3.51E-07	7.91E-09	4.53E-08	5.40E-09	5.86E-08	7.19E-09	2.37E-08	1.63E-09	3.25E-08
7548	470380.64	3819542.69	7.96E-08	3.34E-07	3.01E-08	4.44E-07	6.63E-08	2.46E-07	2.16E-08	3.34E-07	7.52E-09	4.30E-08	5.14E-09	5.57E-08	6.84E-09	2.25E-08	1.55E-09	3.09E-08
7549	470368.81	3819554.26	7.97E-08	3.35E-07	3.02E-08	4.45E-07	6.64E-08	2.46E-07	2.16E-08	3.34E-07	7.53E-09	4.31E-08	5.14E-09	5.58E-08	6.85E-09	2.26E-08	1.56E-09	3.10E-08
7550	470352.17	3819560.9	8.43E-08	3.54E-07	3.19E-08	4.70E-07	7.02E-08	2.60E-07	2.29E-08	3.53E-07	7.96E-09	4.56E-08	5.44E-09	5.90E-08	7.24E-09	2.39E-08	1.64E-09	3.27E-08
7551	470335.53	3819567.55	8.90E-08	3.74E-07	3.37E-08	4.97E-07	7.41E-08	2.75E-07	2.42E-08	3.73E-07	8.41E-09	4.81E-08	5.74E-09	6.23E-08	7.64E-09	2.52E-08	1.74E-09	3.46E-08
7552	470318.89	3819574.2	9.39E-08	3.94E-07	3.55E-08	5.24E-07	7.82E-08	2.90E-07	2.55E-08	3.94E-07	8.87E-09	5.08E-08	6.06E-09	6.57E-08	8.06E-09	2.66E-08	1.83E-09	3.65E-08
7553	470302.26	3819580.85	9.88E-08	4.15E-07	3.74E-08	5.51E-07	8.23E-08	3.05E-07	2.68E-08	4.14E-07	9.33E-09	5.34E-08	6.37E-09	6.91E-08	8.48E-09	2.80E-08	1.93E-09	3.84E-08
7554	470419.33	3819442.38	9.88E-08	4.15E-07	3.74E-08	5.51E-07	8.23E-08	3.05E-07	2.68E-08	4.14E-07	9.33E-09	5.34E-08	6.37E-09	6.91E-08	8.48E-09	2.80E-08	1.93E-09	3.84E-08
7555	470419.41	3819432.73	1.02E-07	4.26E-07	3.84E-08	5.66E-07	8.45E-08	3.13E-07	2.76E-08	4.25E-07	9.58E-09	5.49E-08	6.55E-09	7.10E-08	8.71E-09	2.87E-08	1.98E-09	3.94E-08
7556	470419.49	3819423.09	1.04E-07	4.36E-07	3.93E-08	5.79E-07	8.65E-08	3.20E-07	2.82E-08	4.35E-07	9.80E-09	5.61E-08	6.70E-09	7.26E-08	8.91E-09	2.94E-08	2.03E-09	4.03E-08
7557	470419.58	3819413.44	1.06E-07	4.44E-07	4.00E-08	5.90E-07	8.81E-08	3.26E-07	2.87E-08	4.43E-07	9.98E-09	5.71E-08	6.82E-09	7.39E-08	9.07E-09	2.99E-08	2.06E-09	4.11E-08
7558	470419.66	3819403.79	1.07E-07	4.50E-07	4.05E-08	5.97E-07	8.92E-08	3.31E-07	2.91E-08	4.49E-07	1.01E-08	5.79E-08	6.91E-09	7.49E-08	9.20E-09	3.03E-08	2.09E-09	4.16E-08
7559	470419.74	3819394.14	1.08E-07	4.54E-07	4.08E-08	6.02E-07	9.00E-08	3.33E-07	2.93E-08	4.53E-07	1.02E-08	5.84E-08	6.97E-09	7.56E-08	9.27E-09	3.06E-08	2.11E-09	4.20E-08
7560	470419.82	3819384.49	1.08E-07	4.55E-07	4.10E-08	6.04E-07	9.02E-08	3.34E-07	2.94E-08	4.54E-07	1.02E-08	5.86E-08	6.99E-09	7.58E-08	9.30E-09	3.07E-08	2.11E-09	4.21E-08
7561	470419.91	3819374.84	1.08E-07	4.54E-07	4.09E-08	6.03E-07	9.00E-08	3.34E-07	2.93E-08	4.53E-07	1.02E-08	5.84E-08	6.97E-09	7.56E-08	9.28E-09	3.06E-08	2.11E-09	4.20E-08
7562	470419.99	3819365.2	1.07E-07	4.51E-07	4.06E-08	5.99E-07	8.94E-08	3.31E-07	2.91E-08	4.50E-07	1.01E-08	5.80E-08	6.92E-09	7.51E-08	9.21E-09	3.04E-08	2.09E-09	4.17E-08
7563	470420.07	3819355.55	1.06E-07	4.45E-07	4.01E-08	5.91E-07	8.83E-08	3.27E-07	2.88E-08	4.44E-07	1.00E-08	5.73E-08	6.83E-09	7.41E-08	9.10E-09	3.00E-08	2.07E-09	4.12E-08
7564	470420.15	3819345.9	1.04E-07	4.37E-07	3.94E-08	5.80E-07	8.67E-08	3.21E-07	2.82E-08	4.36E-07	9.83E-09	5.62E-08	6.71E-09	7.28E-08	8.93E-09	2.95E-08	2.03E-09	4.04E-08
7565	470420.24	3819336.25	1.02E-07	4.27E-07	3.84E-08	5.67E-07	8.46E-08	3.14E-07	2.76E-08	4.26E-07	9.59E-09	5.49E-08	6.55E-09	7.11E-08	8.72E-09	2.88E-08	1.98E-09	3.95E-08
7566	470420.32	3819326.6	9.87E-08	4.14E-07	3.73E-08	5.50E-07	8.22E-08	3.04E-07	2.68E-08	4.13E-07	9.32E-09	5.33E-08	6.36E-09	6.90E-08	8.47E-09	2.79E-08	1.93E-09	3.83E-08
7567	470420.4	3819316.96	9.53E-08	4.00E-07	3.60E-08	5.31E-07	7.94E-08	2.94E-07	2.59E-08	3.99E-07	9.00E-09	5.15E-08	6.15E-09	6.66E-08	8.18E-09	2.70E-08	1.86E-09	3.70E-08
7568	470420.49	3819307.31	9.15E-08	3.84E-07	3.46E-08	5.10E-07	7.62E-08	2.82E-07	2.48E-08	3.83E-07	8.64E-09	4.94E-08	5.90E-09	6.40E-08	7.85E-09	2.59E-08	1.78E-09	3.55E-08
7569	470420.57	3819297.66	8.73E-08	3.67E-07	3.30E-08	4.87E-07	7.27E-08	2.69E-07	2.37E-08	3.66E-07	8.24E-09	4.72E-08	5.63E-09	6.11E-08	7.49E-09	2.47E-08	1.70E-09	3.39E-08
7570	470420.65	3819288.01	8.28E-08	3.48E-07	3.13E-08	4.62E-07	6.90E-08	2.56E-07	2.25E-08	3.47E-07	7.82E-09	4.48E-08	5.34E-09	5.80E-08	7.11E-09	2.35E-08	1.62E-09	3.22E-08
7571	470420.73	3819278.36	7.82E-08	3.28E-07	2.96E-08	4.36E-07	6.51E-08	2.41E-07	2.12E-08	3.28E-07	7.38E-09	4.23E-08	5.04E-09	5.47E-08	6.71E-09	2.21E-08	1.53E-09	3.04E-08
7572	470420.82	3819268.71	7.33E-08	3.08E-07	2.77E-08	4.09E-07	6.11E-08	2.26E-07	1.99E-08	3.07E-07	6.93E-09	3.96E-08	4.73E-09	5.13E-08	6.30E-09	2.08E-08	1.43E-09	2.85E-08
7573	470420.9	3819259.07	6.85E-08	2.87E-07	2.59E-08	3.82E-07	5.70E-08	2.11E-07	1.86E-08	2.87E-07	6.46E-09	3.70E-08	4.42E-09	4.79E-08	5.88E-09	1.94E-08	1.34E-09	2.66E-08
7574	470420.98	3819249.42	6.36E-08	2.67E-07	2.40E-08	3.55E-07	5.30E-08	1.96E-07	1.73E-08	2.66E-07	6.00E-09	3.44E-08	4.10E-09	4.45E-08	5.46E-09	1.80E-08	1.24E-09	2.47E-08
7575	470435.54	3819460.9	8.24E-08	3.46E-07	3.12E-08	4.60E-07	6.86E-08	2.54E-07	2.24E-08	3.45E-07	7.78E-09	4.45E-08	5.31E-09	5.76E-08	7.07E-09	2.33E-08	1.61E-09	3.20E-08
7576	470431.84	3819469.59	8.21E-08	3.45E-07	3.10E-08	4.58E-07	6.84E-08	2.53E-07	2.23E-08	3.44E-07	7.75E-09	4.44E-08	5.29E-09	5.74E-08	7.04E-09	2.32E-08	1.60E-09	3.19E-08
7577	470428.14	3819478.29	8.15E-08	3.42E-07	3.08E-08	4.54E-07	6.78E-08	2.51E-07	2.21E-08	3.41E-07	7.69E-09	4.40E-08	5.25E-09	5.70E-08	6.99E-09	2.31E-08	1.59E-09	3.16E-08
7578	470424.43	3819486.98	8.06E-08	3.38E-07	3.05E-08	4.50E-07	6.71E-08	2.49E-07	2.19E-08	3.38E-07	7.61E-09	4.36E-08	5.20E-09	5.64E-08	6.92E-09	2.28E-08	1.57E-09	3.13E-08
7579	470420.73	3819495.68	7.95E-08	3.34E-07	3.01E-08	4.44E-07	6.62E-08	2.45E-07	2.16E-08	3.33E-07	7.51E-09	4.30E-08	5.13E-09	5.56E-08	6.83E-09	2.25E-08	1.55E-09	3.09E-08
7580	470417.03	3819504.37	7.82E-08	3.28E-07	2.96E-08	4.36E-07	6.52E-08	2.41E-07	2.12E-08	3.28E-07	7.39E-09	4.23E-08	5.05E-09	5.47E-08	6.71E-09	2.21E-08	1.53E-09	3.04E-08
7581	470413.32	3819513.06	7.68E-08	3.22E-07	2.90E-08	4.28E-07	6.39E-08	2.37E-07	2.08E-08	3.22E-07	7.25E-09	4.15E-08	4.95E-09	5.37E-08	6.59E-09	2.17E-08	1.50E-09	2.98E-08
7582	470409.62	3819521.76	7.52E-08	3.16E-07	2.84E-08	4.19E-07	6.26E-08	2.32E-07	2.04E-08	3.15E-07	7.10E-09	4.06E-08	4.85E-09	5.26E-08	6.45E-09	2.13E-08	1.47E-09	2.92E-08
7583	470405.92	3819530.45	7.35E-08	3.09E-07	2.78E-08	4.10E-07	6.12E-08	2.27E-07	2.00E-08	3.08E-07	6.94E-09	3.97E-08	4.74E-09	5.14E-08	6.31E-09	2.08E-08	1.43E-09	2.85E-08
7584	470402.22	3819539.15	7.18E-08	3.02E-07	2.72E-08	4.00E-07	5.98E-08	2.22E-07	1.95E-08	3.01E-07	6.78E-09	3.88E-08	4.63E-09	5.02E-08	6.16E-09	2.03E-08	1.40E-09	2.79E-08
7585	470398.51	3819547.84	7.01E-08	2.94E-07	2.65E-08	3.91E-07	5.84E-08	2.16E-07	1.90E-08	2.94E-07	6.62E-09	3.79E-08	4.52E-09	4.90E-08	6.02E-09	1.98E-08	1.37E-09	2.72E-08
7586	470394.81	3819556.54	6.83E-08	2.87E-07	2.58E-08	3.81E-07	5.69E-08	2.11E-07	1.85E-08	2.86E-07	6.45E-09	3.69E-08	4.41E-09	4.78E-08	5.87E-09	1.93E-08	1.33E-09	2.65E-08
7587	470382.33	3819568.74	6.84E-08	2.87E-07	2.59E-08	3.82E-07	5.70E-08	2.11E-07	1.86E-08	2.87E-07	6.46E-09	3.70E-08	4.41E-09	4.79E-08	5.87E-09	1.94E-08	1.34E-09	2.66E-08
7588	470373.56	3819572.25	7.03E-08	2.95E-07	2.66E-08	3.92E-07	5.85E-08	2.17E-07	1.91E-08	2.95E-07	6.64E-09	3.80E-08	4.53E-09	4.92E-08	6.03E-09	1.99E-08	1.37E-09	2.73E-08
7589	470364.78	3819575.75	7.22E-08	3.03E-07	2.73E-08	4.03E-07	6.01E-08	2.23E-07	1.96E-08	3.03E-07	6.82E-09	3.90E-08	4.66E-09	5.05E-08	6.20E-09	2.04E-08	1.41E-09	2.80E-08
7590	470356	3819579.26	7.42E-08	3.12E-07	2.81E-08	4.14E-07	6.18E-08	2.29E-07	2.01E-08	3.11E-07	7.00E-09	4.01E-08	4.78E-09	5.19E-08	6.37E-09	2.10E-08	1.45E-09	2.88E-08
7591	470347.23	3819582.76	7.62E-08	3.20E-07	2.88E-08	4.25E-07	6.35E-08	2.35E-07	2.07E-08	3.19E-07	7.19E-09	4.12E-08	4.91E-09	5.33E-08	6.54E-09	2.16E-08	1.49E-09	2.96E-08
7592	470338.45	3819586.27	7.83E-08	3.29E-07	2.96E-08	4.36E-07	6.52E-08	2.41E-07	2.12E-08	3.28E-07	7.39E-09	4.23E-08	5.05E-09	5.47E-08	6.72E-09	2.22E-08	1.53E-09	3.04E-08
7593	470329.68	3819589.78	8.03E-08	3.37E-07	3.04E-08	4.48E-07	6.69E-08	2.48E-07	2.18E-08	3.37E-07	7.59E-09	4.34E-08	5.18E-09	5.62E-08	6.90E-09	2.27E-08	1.57E-09	3.12E-08
7594	470320.9	3819593.28	8.25E-08	3.46E-07	3.12E-08	4.60E-07	6.87E-08	2.54E-07	2.24E-08	3.46E-07	7.79E-09	4.46E-08	5.32E-09	5.77E-08	7.08E-09	2.33E-08	1.61E-09	3.20E-08
7595	470312.13	3819596.79	8.46E-08	3.55E-07	3.20E-08	4.72E-07	7.04E-08	2.61E-07	2.30E-08	3.54E-07	7.99E-09	4.57E-08	5.45E-09	5.92E-08	7.26E-09	2.39E-08	1.65E-09	3.28E-08

7596	470303.35	3819600.3	8.66E-08	3.64E-07	3.28E-08	4.83E-07	7.22E-08	2.67E-07	2.35E-08	3.63E-07	8.18E-09	4.68E-08	5.59E-09	6.06E-08	7.44E-09	2.45E-08	1.69E-09	3.37E-08
7597	470439.24	3819452.2	8.24E-08	3.46E-07	3.12E-08	4.60E-07	6.87E-08	2.54E-07	2.24E-08	3.45E-07	7.79E-09	4.46E-08	5.32E-09	5.77E-08	7.08E-09	2.33E-08	1.61E-09	3.20E-08
7598	470439.33	3819442.55	8.46E-08	3.55E-07	3.20E-08	4.72E-07	7.05E-08	2.61E-07	2.30E-08	3.55E-07	7.99E-09	4.57E-08	5.46E-09	5.92E-08	7.26E-09	2.40E-08	1.65E-09	3.29E-08
7599	470439.41	3819432.91	8.66E-08	3.64E-07	3.27E-08	4.83E-07	7.21E-08	2.67E-07	2.35E-08	3.63E-07	8.17E-09	4.68E-08	5.58E-09	6.06E-08	7.43E-09	2.45E-08	1.69E-09	3.36E-08
7600	470439.49	3819423.26	8.82E-08	3.70E-07	3.34E-08	4.92E-07	7.35E-08	2.72E-07	2.39E-08	3.70E-07	8.33E-09	4.77E-08	5.69E-09	6.17E-08	7.57E-09	2.50E-08	1.72E-09	3.43E-08
7601	470439.58	3819413.61	8.95E-08	3.76E-07	3.39E-08	4.99E-07	7.46E-08	2.76E-07	2.43E-08	3.75E-07	8.45E-09	4.84E-08	5.77E-09	6.26E-08	7.68E-09	2.53E-08	1.75E-09	3.48E-08
7602	470439.66	3819403.96	9.05E-08	3.80E-07	3.42E-08	5.05E-07	7.53E-08	2.79E-07	2.46E-08	3.79E-07	8.54E-09	4.89E-08	5.83E-09	6.33E-08	7.77E-09	2.56E-08	1.77E-09	3.51E-08
7603	470439.74	3819394.31	9.10E-08	3.82E-07	3.44E-08	5.08E-07	7.58E-08	2.81E-07	2.47E-08	3.81E-07	8.59E-09	4.92E-08	5.87E-09	6.37E-08	7.81E-09	2.58E-08	1.78E-09	3.53E-08
7604	470439.82	3819384.66	9.11E-08	3.83E-07	3.45E-08	5.08E-07	7.59E-08	2.81E-07	2.47E-08	3.82E-07	8.60E-09	4.93E-08	5.88E-09	6.37E-08	7.82E-09	2.58E-08	1.78E-09	3.54E-08
7605	470439.91	3819375.02	9.08E-08	3.81E-07	3.43E-08	5.06E-07	7.56E-08	2.80E-07	2.46E-08	3.80E-07	8.57E-09	4.91E-08	5.86E-09	6.35E-08	7.79E-09	2.57E-08	1.77E-09	3.53E-08
7606	470439.99	3819365.37	9.01E-08	3.78E-07	3.41E-08	5.02E-07	7.50E-08	2.78E-07	2.44E-08	3.77E-07	8.50E-09	4.87E-08	5.81E-09	6.30E-08	7.73E-09	2.55E-08	1.76E-09	3.50E-08
7607	470440.07	3819355.72	8.89E-08	3.73E-07	3.36E-08	4.96E-07	7.40E-08	2.74E-07	2.41E-08	3.72E-07	8.39E-09	4.80E-08	5.73E-09	6.22E-08	7.63E-09	2.52E-08	1.73E-09	3.45E-08
7608	470440.15	3819346.07	8.73E-08	3.66E-07	3.30E-08	4.87E-07	7.27E-08	2.69E-07	2.37E-08	3.66E-07	8.24E-09	4.72E-08	5.63E-09	6.10E-08	7.49E-09	2.47E-08	1.70E-09	3.39E-08
7609	470440.24	3819336.42	8.52E-08	3.58E-07	3.22E-08	4.75E-07	7.10E-08	2.63E-07	2.31E-08	3.57E-07	8.05E-09	4.61E-08	5.50E-09	5.96E-08	7.32E-09	2.41E-08	1.66E-09	3.31E-08
7610	470440.32	3819326.78	8.28E-08	3.48E-07	3.13E-08	4.62E-07	6.90E-08	2.56E-07	2.25E-08	3.47E-07	7.82E-09	4.48E-08	5.34E-09	5.80E-08	7.11E-09	2.35E-08	1.62E-09	3.22E-08
7611	470440.4	3819317.13	8.01E-08	3.36E-07	3.03E-08	4.47E-07	6.67E-08	2.47E-07	2.17E-08	3.36E-07	7.56E-09	4.33E-08	5.17E-09	5.60E-08	6.88E-09	2.27E-08	1.56E-09	3.11E-08
7612	470440.49	3819307.48	7.70E-08	3.24E-07	2.91E-08	4.30E-07	6.42E-08	2.38E-07	2.09E-08	3.23E-07	7.27E-09	4.16E-08	4.97E-09	5.39E-08	6.61E-09	2.18E-08	1.50E-09	2.99E-08
7613	470440.57	3819297.83	7.37E-08	3.10E-07	2.79E-08	4.11E-07	6.14E-08	2.27E-07	2.00E-08	3.09E-07	6.96E-09	3.98E-08	4.75E-09	5.16E-08	6.33E-09	2.09E-08	1.44E-09	2.86E-08
7614	470440.65	3819288.18	7.02E-08	2.95E-07	2.65E-08	3.91E-07	5.84E-08	2.16E-07	1.90E-08	2.94E-07	6.62E-09	3.79E-08	4.52E-09	4.91E-08	6.02E-09	1.99E-08	1.37E-09	2.72E-08
7615	470440.73	3819278.53	6.64E-08	2.79E-07	2.51E-08	3.71E-07	5.53E-08	2.05E-07	1.80E-08	2.78E-07	6.27E-09	3.59E-08	4.29E-09	4.65E-08	5.70E-09	1.88E-08	1.30E-09	2.58E-08
7616	470440.82	3819268.89	6.26E-08	2.63E-07	2.37E-08	3.49E-07	5.21E-08	1.93E-07	1.70E-08	2.62E-07	5.91E-09	3.38E-08	4.04E-09	4.38E-08	5.37E-09	1.77E-08	1.22E-09	2.43E-08
7617	470440.9	3819259.24	5.87E-08	2.47E-07	2.22E-08	3.28E-07	4.89E-08	1.81E-07	1.59E-08	2.46E-07	5.55E-09	3.17E-08	3.79E-09	4.11E-08	5.04E-09	1.66E-08	1.15E-09	2.28E-08
7618	470440.98	3819249.59	5.48E-08	2.30E-07	2.07E-08	3.06E-07	4.57E-08	1.69E-07	1.49E-08	2.30E-07	5.18E-09	2.96E-08	3.54E-09	3.84E-08	4.71E-09	1.55E-08	1.07E-09	2.13E-08
7619	470455.63	3819460.85	7.17E-08	3.01E-07	2.71E-08	4.00E-07	5.97E-08	2.21E-07	1.95E-08	3.01E-07	6.77E-09	3.88E-08	4.63E-09	5.02E-08	6.16E-09	2.03E-08	1.40E-09	2.79E-08
7620	470452.02	3819469.33	7.16E-08	3.01E-07	2.71E-08	3.99E-07	5.97E-08	2.21E-07	1.94E-08	3.00E-07	6.76E-09	3.87E-08	4.62E-09	5.01E-08	6.15E-09	2.03E-08	1.40E-09	2.78E-08
7621	470448.41	3819477.81	7.13E-08	2.99E-07	2.70E-08	3.98E-07	5.94E-08	2.20E-07	1.94E-08	2.99E-07	6.73E-09	3.85E-08	4.60E-09	4.99E-08	6.12E-09	2.02E-08	1.39E-09	2.77E-08
7622	470444.8	3819486.28	7.08E-08	2.97E-07	2.68E-08	3.95E-07	5.90E-08	2.18E-07	1.92E-08	2.97E-07	6.69E-09	3.83E-08	4.57E-09	4.95E-08	6.08E-09	2.00E-08	1.38E-09	2.75E-08
7623	470441.19	3819494.76	7.01E-08	2.94E-07	2.65E-08	3.91E-07	5.84E-08	2.16E-07	1.90E-08	2.94E-07	6.62E-09	3.79E-08	4.52E-09	4.90E-08	6.02E-09	1.98E-08	1.37E-09	2.72E-08
7624	470437.58	3819503.24	6.92E-08	2.91E-07	2.62E-08	3.86E-07	5.77E-08	2.14E-07	1.88E-08	2.90E-07	6.54E-09	3.74E-08	4.47E-09	4.84E-08	5.94E-09	1.96E-08	1.35E-09	2.69E-08
7625	470433.97	3819511.71	6.82E-08	2.87E-07	2.58E-08	3.81E-07	5.68E-08	2.11E-07	1.85E-08	2.86E-07	6.44E-09	3.69E-08	4.40E-09	4.77E-08	5.86E-09	1.93E-08	1.33E-09	2.65E-08
7626	470430.36	3819520.19	6.71E-08	2.82E-07	2.54E-08	3.74E-07	5.59E-08	2.07E-07	1.82E-08	2.81E-07	6.34E-09	3.63E-08	4.33E-09	4.69E-08	5.76E-09	1.90E-08	1.31E-09	2.61E-08
7627	470426.75	3819528.67	6.59E-08	2.77E-07	2.49E-08	3.67E-07	5.49E-08	2.03E-07	1.79E-08	2.76E-07	6.22E-09	3.56E-08	4.25E-09	4.61E-08	5.66E-09	1.86E-08	1.29E-09	2.56E-08
7628	470423.14	3819537.15	6.46E-08	2.71E-07	2.44E-08	3.60E-07	5.38E-08	1.99E-07	1.75E-08	2.71E-07	6.10E-09	3.49E-08	4.17E-09	4.52E-08	5.55E-09	1.83E-08	1.26E-09	2.51E-08
7629	470419.53	3819545.62	6.33E-08	2.66E-07	2.39E-08	3.53E-07	5.27E-08	1.95E-07	1.72E-08	2.65E-07	5.98E-09	3.42E-08	4.08E-09	4.43E-08	5.43E-09	1.79E-08	1.24E-09	2.46E-08
7630	470415.92	3819554.1	6.20E-08	2.60E-07	2.34E-08	3.46E-07	5.16E-08	1.91E-07	1.68E-08	2.60E-07	5.85E-09	3.35E-08	4.00E-09	4.33E-08	5.32E-09	1.75E-08	1.21E-09	2.41E-08
7631	470412.31	3819562.58	6.06E-08	2.54E-07	2.29E-08	3.38E-07	5.05E-08	1.87E-07	1.64E-08	2.54E-07	5.72E-09	3.28E-08	3.91E-09	4.24E-08	5.20E-09	1.71E-08	1.18E-09	2.35E-08
7632	470408.7	3819571.06	5.92E-08	2.49E-07	2.24E-08	3.30E-07	4.93E-08	1.83E-07	1.61E-08	2.48E-07	5.59E-09	3.20E-08	3.82E-09	4.14E-08	5.08E-09	1.68E-08	1.16E-09	2.30E-08
7633	470396.53	3819582.95	5.93E-08	2.49E-07	2.24E-08	3.31E-07	4.94E-08	1.83E-07	1.61E-08	2.48E-07	5.60E-09	3.20E-08	3.82E-09	4.15E-08	5.09E-09	1.68E-08	1.16E-09	2.30E-08
7634	470387.98	3819586.37	6.07E-08	2.55E-07	2.30E-08	3.39E-07	5.06E-08	1.87E-07	1.65E-08	2.55E-07	5.74E-09	3.28E-08	3.92E-09	4.25E-08	5.21E-09	1.72E-08	1.19E-09	2.36E-08
7635	470379.42	3819589.79	6.22E-08	2.61E-07	2.35E-08	3.47E-07	5.18E-08	1.92E-07	1.69E-08	2.61E-07	5.88E-09	3.36E-08	4.01E-09	4.35E-08	5.34E-09	1.76E-08	1.21E-09	2.42E-08
7636	470370.86	3819593.21	6.38E-08	2.68E-07	2.41E-08	3.56E-07	5.31E-08	1.97E-07	1.73E-08	2.67E-07	6.02E-09	3.45E-08	4.11E-09	4.46E-08	5.48E-09	1.81E-08	1.24E-09	2.48E-08
7637	470362.31	3819596.63	6.54E-08	2.74E-07	2.47E-08	3.65E-07	5.44E-08	2.02E-07	1.77E-08	2.74E-07	6.17E-09	3.53E-08	4.22E-09	4.57E-08	5.61E-09	1.85E-08	1.28E-09	2.54E-08
7638	470353.75	3819600.04	6.70E-08	2.81E-07	2.53E-08	3.74E-07	5.58E-08	2.07E-07	1.82E-08	2.81E-07	6.33E-09	3.62E-08	4.32E-09	4.69E-08	5.75E-09	1.90E-08	1.31E-09	2.60E-08
7639	470345.2	3819603.46	6.86E-08	2.88E-07	2.60E-08	3.83E-07	5.72E-08	2.12E-07	1.86E-08	2.88E-07	6.48E-09	3.71E-08	4.43E-09	4.80E-08	5.89E-09	1.94E-08	1.34E-09	2.67E-08
7640	470336.64	3819606.88	7.03E-08	2.95E-07	2.66E-08	3.92E-07	5.86E-08	2.17E-07	1.91E-08	2.95E-07	6.64E-09	3.80E-08	4.54E-09	4.92E-08	6.04E-09	1.99E-08	1.37E-09	2.73E-08
7641	470328.08	3819610.3	7.20E-08	3.03E-07	2.72E-08	4.02E-07	6.00E-08	2.22E-07	1.96E-08	3.02E-07	6.80E-09	3.89E-08	4.65E-09	5.04E-08	6.18E-09	2.04E-08	1.41E-09	2.80E-08
7642	470319.53	3819613.72	7.38E-08	3.10E-07	2.79E-08	4.11E-07	6.14E-08	2.28E-07	2.00E-08	3.09E-07	6.96E-09	3.99E-08	4.76E-09	5.16E-08	6.33E-09	2.09E-08	1.44E-09	2.86E-08
7643	470310.97	3819617.14	7.55E-08	3.17E-07	2.85E-08	4.21E-07	6.29E-08	2.33E-07	2.05E-08	3.16E-07	7.13E-09	4.08E-08	4.87E-09	5.28E-08	6.48E-09	2.14E-08	1.47E-09	2.93E-08
7644	470302.41	3819620.56	7.71E-08	3.24E-07	2.92E-08	4.30E-07	6.43E-08	2.38E-07	2.09E-08	3.23E-07	7.28E-09	4.17E-08	4.98E-09	5.40E-08	6.62E-09	2.18E-08	1.51E-09	3.00E-08
7645	470459.24	3819452.37	7.16E-08	3.01E-07	2.71E-08	3.99E-07	5.96E-08	2.21E-07	1.94E-08	3.00E-07	6.76E-09	3.87E-08	4.62E-09	5.01E-08	6.15E-09	2.03E-08	1.40E-09	2.78E-08
7646	470459.33	3819442.73	7.32E-08	3.07E-07	2.77E-08	4.08E-07	6.10E-08	2.26E-07	1.99E-08	3.07E-07	6.91E-09	3.96E-08	4.72E-09	5.12E-08	6.29E-09	2.07E-08	1.43E-09	2.84E-08

7647	470459.41	3819433.08	7.46E-08	3.13E-07	2.82E-08	4.16E-07	6.22E-08	2.30E-07	2.03E-08	3.13E-07	7.05E-09	4.03E-08	4.81E-09	5.22E-08	6.41E-09	2.11E-08	1.46E-09	2.90E-08
7648	470459.49	3819423.43	7.58E-08	3.18E-07	2.87E-08	4.23E-07	6.31E-08	2.34E-07	2.06E-08	3.18E-07	7.16E-09	4.10E-08	4.89E-09	5.30E-08	6.51E-09	2.15E-08	1.48E-09	2.94E-08
7649	470459.57	3819413.78	7.67E-08	3.22E-07	2.90E-08	4.28E-07	6.39E-08	2.37E-07	2.08E-08	3.21E-07	7.25E-09	4.15E-08	4.95E-09	5.37E-08	6.59E-09	2.17E-08	1.50E-09	2.98E-08
7650	470459.66	3819404.13	7.73E-08	3.25E-07	2.93E-08	4.31E-07	6.44E-08	2.39E-07	2.10E-08	3.24E-07	7.30E-09	4.18E-08	4.99E-09	5.41E-08	6.64E-09	2.19E-08	1.51E-09	3.00E-08
7651	470459.74	3819394.48	7.77E-08	3.26E-07	2.94E-08	4.33E-07	6.47E-08	2.40E-07	2.11E-08	3.25E-07	7.33E-09	4.20E-08	5.01E-09	5.43E-08	6.67E-09	2.20E-08	1.52E-09	3.02E-08
7652	470459.82	3819384.84	7.76E-08	3.26E-07	2.94E-08	4.33E-07	6.47E-08	2.40E-07	2.11E-08	3.25E-07	7.33E-09	4.20E-08	5.01E-09	5.43E-08	6.67E-09	2.20E-08	1.51E-09	3.02E-08
7653	470459.91	3819375.19	7.73E-08	3.25E-07	2.92E-08	4.31E-07	6.44E-08	2.38E-07	2.10E-08	3.24E-07	7.30E-09	4.18E-08	4.98E-09	5.41E-08	6.63E-09	2.19E-08	1.51E-09	3.00E-08
7654	470459.99	3819365.54	7.66E-08	3.22E-07	2.90E-08	4.27E-07	6.38E-08	2.36E-07	2.08E-08	3.21E-07	7.23E-09	4.14E-08	4.94E-09	5.36E-08	6.58E-09	2.17E-08	1.49E-09	2.97E-08
7655	470460.07	3819355.89	7.56E-08	3.17E-07	2.86E-08	4.21E-07	6.29E-08	2.33E-07	2.05E-08	3.17E-07	7.14E-09	4.08E-08	4.87E-09	5.29E-08	6.49E-09	2.14E-08	1.47E-09	2.93E-08
7656	470460.15	3819346.24	7.42E-08	3.12E-07	2.81E-08	4.14E-07	6.18E-08	2.29E-07	2.01E-08	3.11E-07	7.01E-09	4.01E-08	4.79E-09	5.19E-08	6.37E-09	2.10E-08	1.45E-09	2.88E-08
7657	470460.24	3819336.6	7.25E-08	3.05E-07	2.74E-08	4.05E-07	6.04E-08	2.24E-07	1.97E-08	3.04E-07	6.85E-09	3.92E-08	4.68E-09	5.07E-08	6.23E-09	2.05E-08	1.42E-09	2.82E-08
7658	470460.32	3819326.95	7.06E-08	2.96E-07	2.67E-08	3.94E-07	5.88E-08	2.18E-07	1.92E-08	2.96E-07	6.66E-09	3.81E-08	4.55E-09	4.94E-08	6.06E-09	2.00E-08	1.38E-09	2.74E-08
7659	470460.4	3819317.3	6.83E-08	2.87E-07	2.58E-08	3.81E-07	5.69E-08	2.11E-07	1.85E-08	2.86E-07	6.45E-09	3.69E-08	4.41E-09	4.78E-08	5.86E-09	1.93E-08	1.33E-09	2.65E-08
7660	470460.48	3819307.65	6.58E-08	2.76E-07	2.49E-08	3.67E-07	5.48E-08	2.03E-07	1.79E-08	2.76E-07	6.22E-09	3.56E-08	4.25E-09	4.60E-08	5.65E-09	1.86E-08	1.28E-09	2.56E-08
7661	470460.57	3819298	6.31E-08	2.65E-07	2.39E-08	3.52E-07	5.26E-08	1.95E-07	1.71E-08	2.64E-07	5.96E-09	3.41E-08	4.07E-09	4.42E-08	5.42E-09	1.79E-08	1.23E-09	2.45E-08
7662	470460.65	3819288.35	6.02E-08	2.53E-07	2.28E-08	3.36E-07	5.02E-08	1.86E-07	1.64E-08	2.52E-07	5.69E-09	3.26E-08	3.89E-09	4.21E-08	5.17E-09	1.71E-08	1.18E-09	2.34E-08
7663	470460.73	3819278.71	5.72E-08	2.40E-07	2.17E-08	3.19E-07	4.77E-08	1.77E-07	1.55E-08	2.40E-07	5.41E-09	3.09E-08	3.69E-09	4.00E-08	4.91E-09	1.62E-08	1.12E-09	2.22E-08
7664	470460.82	3819269.06	5.42E-08	2.27E-07	2.05E-08	3.02E-07	4.51E-08	1.67E-07	1.47E-08	2.27E-07	5.11E-09	2.93E-08	3.49E-09	3.79E-08	4.65E-09	1.53E-08	1.06E-09	2.10E-08
7665	470460.9	3819259.41	5.10E-08	2.14E-07	1.93E-08	2.85E-07	4.25E-08	1.57E-07	1.38E-08	2.14E-07	4.82E-09	2.76E-08	3.29E-09	3.57E-08	4.38E-09	1.44E-08	9.96E-10	1.98E-08
7666	470460.98	3819249.76	4.79E-08	2.01E-07	1.81E-08	2.67E-07	3.99E-08	1.48E-07	1.30E-08	2.01E-07	4.52E-09	2.59E-08	3.09E-09	3.35E-08	4.11E-09	1.36E-08	9.34E-10	1.86E-08
7667	470475.48	3819461.38	6.29E-08	2.64E-07	2.38E-08	3.51E-07	5.24E-08	1.94E-07	1.71E-08	2.64E-07	5.94E-09	3.40E-08	4.06E-09	4.40E-08	5.40E-09	1.78E-08	1.23E-09	2.44E-08
7668	470471.72	3819470.21	6.29E-08	2.64E-07	2.38E-08	3.51E-07	5.24E-08	1.94E-07	1.71E-08	2.64E-07	5.94E-09	3.40E-08	4.06E-09	4.40E-08	5.40E-09	1.78E-08	1.23E-09	2.44E-08
7669	470467.96	3819479.04	6.28E-08	2.64E-07	2.37E-08	3.50E-07	5.23E-08	1.94E-07	1.70E-08	2.63E-07	5.93E-09	3.39E-08	4.05E-09	4.39E-08	5.39E-09	1.78E-08	1.23E-09	2.44E-08
7670	470464.2	3819487.87	6.25E-08	2.62E-07	2.36E-08	3.48E-07	5.20E-08	1.93E-07	1.70E-08	2.62E-07	5.90E-09	3.38E-08	4.03E-09	4.37E-08	5.36E-09	1.77E-08	1.22E-09	2.43E-08
7671	470460.44	3819496.7	6.20E-08	2.60E-07	2.34E-08	3.46E-07	5.16E-08	1.91E-07	1.68E-08	2.60E-07	5.85E-09	3.35E-08	4.00E-09	4.34E-08	5.32E-09	1.75E-08	1.21E-09	2.41E-08
7672	470456.68	3819505.53	6.13E-08	2.58E-07	2.32E-08	3.42E-07	5.11E-08	1.89E-07	1.66E-08	2.57E-07	5.79E-09	3.32E-08	3.96E-09	4.29E-08	5.26E-09	1.74E-08	1.20E-09	2.38E-08
7673	470452.92	3819514.36	6.05E-08	2.54E-07	2.29E-08	3.38E-07	5.04E-08	1.87E-07	1.64E-08	2.54E-07	5.72E-09	3.27E-08	3.90E-09	4.23E-08	5.20E-09	1.71E-08	1.18E-09	2.35E-08
7674	470449.16	3819523.19	5.96E-08	2.50E-07	2.26E-08	3.33E-07	4.97E-08	1.84E-07	1.62E-08	2.50E-07	5.63E-09	3.22E-08	3.85E-09	4.17E-08	5.12E-09	1.69E-08	1.16E-09	2.32E-08
7675	470445.4	3819532.02	5.87E-08	2.46E-07	2.22E-08	3.27E-07	4.89E-08	1.81E-07	1.59E-08	2.46E-07	5.54E-09	3.17E-08	3.78E-09	4.10E-08	5.04E-09	1.66E-08	1.14E-09	2.28E-08
7676	470441.64	3819540.85	5.76E-08	2.42E-07	2.18E-08	3.21E-07	4.80E-08	1.78E-07	1.56E-08	2.42E-07	5.44E-09	3.12E-08	3.72E-09	4.03E-08	4.95E-09	1.63E-08	1.12E-09	2.24E-08
7677	470437.88	3819549.68	5.65E-08	2.37E-07	2.14E-08	3.15E-07	4.71E-08	1.74E-07	1.53E-08	2.37E-07	5.34E-09	3.06E-08	3.65E-09	3.96E-08	4.85E-09	1.60E-08	1.10E-09	2.20E-08
7678	470434.11	3819558.51	5.54E-08	2.33E-07	2.10E-08	3.09E-07	4.62E-08	1.71E-07	1.50E-08	2.32E-07	5.23E-09	3.00E-08	3.57E-09	3.88E-08	4.76E-09	1.57E-08	1.08E-09	2.15E-08
7679	470430.35	3819567.34	5.43E-08	2.28E-07	2.05E-08	3.03E-07	4.52E-08	1.67E-07	1.47E-08	2.27E-07	5.12E-09	2.93E-08	3.50E-09	3.80E-08	4.66E-09	1.54E-08	1.06E-09	2.11E-08
7680	470426.59	3819576.17	5.31E-08	2.23E-07	2.01E-08	2.96E-07	4.42E-08	1.64E-07	1.44E-08	2.22E-07	5.01E-09	2.87E-08	3.42E-09	3.71E-08	4.56E-09	1.50E-08	1.04E-09	2.06E-08
7681	470422.83	3819585	5.19E-08	2.18E-07	1.96E-08	2.90E-07	4.32E-08	1.60E-07	1.41E-08	2.18E-07	4.90E-09	2.81E-08	3.35E-09	3.63E-08	4.46E-09	1.47E-08	1.01E-09	2.02E-08
7682	470410.16	3819597.39	5.20E-08	2.18E-07	1.97E-08	2.90E-07	4.33E-08	1.60E-07	1.41E-08	2.18E-07	4.91E-09	2.81E-08	3.35E-09	3.64E-08	4.46E-09	1.47E-08	1.01E-09	2.02E-08
7683	470401.25	3819600.96	5.32E-08	2.23E-07	2.01E-08	2.97E-07	4.43E-08	1.64E-07	1.44E-08	2.23E-07	5.03E-09	2.88E-08	3.43E-09	3.72E-08	4.57E-09	1.51E-08	1.04E-09	2.07E-08
7684	470392.33	3819604.52	5.45E-08	2.29E-07	2.06E-08	3.04E-07	4.54E-08	1.68E-07	1.48E-08	2.28E-07	5.15E-09	2.95E-08	3.51E-09	3.81E-08	4.68E-09	1.54E-08	1.06E-09	2.12E-08
7685	470383.42	3819608.08	5.58E-08	2.34E-07	2.11E-08	3.11E-07	4.65E-08	1.72E-07	1.51E-08	2.34E-07	5.27E-09	3.02E-08	3.60E-09	3.90E-08	4.79E-09	1.58E-08	1.09E-09	2.17E-08
7686	470374.51	3819611.64	5.72E-08	2.40E-07	2.16E-08	3.19E-07	4.76E-08	1.76E-07	1.55E-08	2.39E-07	5.40E-09	3.09E-08	3.69E-09	4.00E-08	4.91E-09	1.62E-08	1.12E-09	2.22E-08
7687	470365.59	3819615.2	5.86E-08	2.46E-07	2.21E-08	3.27E-07	4.88E-08	1.81E-07	1.59E-08	2.45E-07	5.53E-09	3.17E-08	3.78E-09	4.10E-08	5.03E-09	1.66E-08	1.14E-09	2.27E-08
7688	470356.68	3819618.76	6.00E-08	2.52E-07	2.27E-08	3.35E-07	5.00E-08	1.85E-07	1.63E-08	2.51E-07	5.66E-09	3.24E-08	3.87E-09	4.20E-08	5.15E-09	1.70E-08	1.17E-09	2.33E-08
7689	470347.77	3819622.32	6.14E-08	2.58E-07	2.32E-08	3.43E-07	5.12E-08	1.90E-07	1.67E-08	2.57E-07	5.80E-09	3.32E-08	3.96E-09	4.30E-08	5.27E-09	1.74E-08	1.20E-09	2.39E-08
7690	470338.86	3819625.88	6.29E-08	2.64E-07	2.38E-08	3.51E-07	5.24E-08	1.94E-07	1.71E-08	2.64E-07	5.94E-09	3.40E-08	4.06E-09	4.40E-08	5.40E-09	1.78E-08	1.23E-09	2.44E-08
7691	470329.94	3819629.44	6.44E-08	2.71E-07	2.44E-08	3.59E-07	5.37E-08	1.99E-07	1.75E-08	2.70E-07	6.09E-09	3.48E-08	4.16E-09	4.51E-08	5.53E-09	1.82E-08	1.26E-09	2.50E-08
7692	470321.03	3819633.01	6.59E-08	2.77E-07	2.49E-08	3.68E-07	5.49E-08	2.03E-07	1.79E-08	2.76E-07	6.23E-09	3.56E-08	4.25E-09	4.61E-08	5.66E-09	1.87E-08	1.29E-09	2.56E-08
7693	470312.12	3819636.57	6.75E-08	2.83E-07	2.55E-08	3.76E-07	5.62E-08	2.08E-07	1.83E-08	2.83E-07	6.37E-09	3.65E-08	4.35E-09	4.72E-08	5.79E-09	1.91E-08	1.32E-09	2.62E-08
7694	470303.2	3819640.13	6.90E-08	2.90E-07	2.61E-08	3.85E-07	5.75E-08	2.13E-07	1.87E-08	2.89E-07	6.51E-09	3.73E-08	4.45E-09	4.83E-08	5.92E-09	1.95E-08	1.35E-09	2.68E-08
7695	470479.24	3819452.54	6.27E-08	2.63E-07	2.37E-08	3.50E-07	5.22E-08	1.93E-07	1.70E-08	2.63E-07	5.92E-09	3.39E-08	4.04E-09	4.39E-08	5.38E-09	1.77E-08	1.22E-09	2.43E-08
7696	470479.33	3819442.9	6.39E-08	2.68E-07	2.42E-08	3.56E-07	5.32E-08	1.97E-07	1.73E-08	2.68E-07	6.03E-09	3.45E-08	4.12E-09	4.47E-08	5.49E-09	1.81E-08	1.25E-09	2.48E-08
7697	470479.41	3819433.25	6.49E-08	2.73E-07	2.46E-08	3.62E-07	5.41E-08	2.00E-07	1.76E-08	2.72E-07	6.13E-09	3.51E-08	4.19E-09	4.54E-08	5.57E-09	1.84E-08	1.27E-09	2.52E-08

7698	470479.49	3819423.6	6.58E-08	2.76E-07	2.49E-08	3.67E-07	5.48E-08	2.03E-07	1.79E-08	2.76E-07	6.21E-09	3.56E-08	4.24E-09	4.60E-08	5.65E-09	1.86E-08	1.28E-09	2.56E-08
7699	470479.57	3819413.95	6.64E-08	2.79E-07	2.51E-08	3.71E-07	5.53E-08	2.05E-07	1.80E-08	2.78E-07	6.27E-09	3.59E-08	4.28E-09	4.65E-08	5.70E-09	1.88E-08	1.30E-09	2.58E-08
7700	470479.66	3819404.3	6.68E-08	2.81E-07	2.53E-08	3.73E-07	5.57E-08	2.06E-07	1.81E-08	2.80E-07	6.31E-09	3.61E-08	4.31E-09	4.67E-08	5.74E-09	1.89E-08	1.30E-09	2.60E-08
7701	470479.74	3819394.66	6.70E-08	2.81E-07	2.53E-08	3.74E-07	5.58E-08	2.07E-07	1.82E-08	2.81E-07	6.33E-09	3.62E-08	4.32E-09	4.69E-08	5.75E-09	1.90E-08	1.31E-09	2.60E-08
7702	470479.82	3819385.01	6.69E-08	2.81E-07	2.53E-08	3.73E-07	5.57E-08	2.06E-07	1.82E-08	2.80E-07	6.32E-09	3.62E-08	4.31E-09	4.68E-08	5.74E-09	1.89E-08	1.31E-09	2.60E-08
7703	470479.9	3819375.36	6.65E-08	2.79E-07	2.52E-08	3.71E-07	5.54E-08	2.05E-07	1.81E-08	2.79E-07	6.28E-09	3.60E-08	4.29E-09	4.65E-08	5.71E-09	1.88E-08	1.30E-09	2.58E-08
7704	470479.99	3819365.71	6.59E-08	2.77E-07	2.49E-08	3.68E-07	5.49E-08	2.03E-07	1.79E-08	2.76E-07	6.22E-09	3.56E-08	4.25E-09	4.61E-08	5.66E-09	1.87E-08	1.29E-09	2.56E-08
7705	470480.07	3819356.06	6.50E-08	2.73E-07	2.46E-08	3.63E-07	5.41E-08	2.01E-07	1.76E-08	2.72E-07	6.14E-09	3.51E-08	4.19E-09	4.55E-08	5.58E-09	1.84E-08	1.27E-09	2.52E-08
7706	470480.15	3819346.41	6.38E-08	2.68E-07	2.41E-08	3.56E-07	5.32E-08	1.97E-07	1.73E-08	2.68E-07	6.03E-09	3.45E-08	4.12E-09	4.47E-08	5.48E-09	1.81E-08	1.25E-09	2.48E-08
7707	470480.24	3819336.77	6.24E-08	2.62E-07	2.36E-08	3.48E-07	5.20E-08	1.93E-07	1.69E-08	2.62E-07	5.90E-09	3.38E-08	4.03E-09	4.37E-08	5.36E-09	1.77E-08	1.22E-09	2.43E-08
7708	470480.32	3819327.12	6.08E-08	2.55E-07	2.30E-08	3.39E-07	5.06E-08	1.88E-07	1.65E-08	2.55E-07	5.74E-09	3.29E-08	3.92E-09	4.25E-08	5.22E-09	1.72E-08	1.19E-09	2.36E-08
7709	470480.4	3819317.47	5.89E-08	2.48E-07	2.23E-08	3.29E-07	4.91E-08	1.82E-07	1.60E-08	2.47E-07	5.57E-09	3.19E-08	3.80E-09	4.12E-08	5.06E-09	1.67E-08	1.15E-09	2.29E-08
7710	470480.48	3819307.82	5.69E-08	2.39E-07	2.15E-08	3.17E-07	4.74E-08	1.76E-07	1.54E-08	2.38E-07	5.37E-09	3.08E-08	3.67E-09	3.98E-08	4.88E-09	1.61E-08	1.11E-09	2.21E-08
7711	470480.57	3819298.17	5.47E-08	2.30E-07	2.07E-08	3.05E-07	4.56E-08	1.69E-07	1.48E-08	2.29E-07	5.16E-09	2.96E-08	3.53E-09	3.83E-08	4.69E-09	1.55E-08	1.07E-09	2.12E-08
7712	470480.65	3819288.53	5.23E-08	2.20E-07	1.98E-08	2.92E-07	4.36E-08	1.62E-07	1.42E-08	2.19E-07	4.94E-09	2.83E-08	3.38E-09	3.66E-08	4.49E-09	1.48E-08	1.02E-09	2.03E-08
7713	470480.73	3819278.88	4.99E-08	2.10E-07	1.89E-08	2.78E-07	4.16E-08	1.54E-07	1.35E-08	2.09E-07	4.71E-09	2.70E-08	3.22E-09	3.49E-08	4.28E-09	1.41E-08	9.74E-10	1.94E-08
7714	470480.81	3819269.23	4.74E-08	1.99E-07	1.79E-08	2.64E-07	3.95E-08	1.46E-07	1.29E-08	1.98E-07	4.47E-09	2.56E-08	3.06E-09	3.31E-08	4.07E-09	1.34E-08	9.24E-10	1.84E-08
7715	470480.9	3819259.58	4.48E-08	1.88E-07	1.69E-08	2.50E-07	3.73E-08	1.38E-07	1.22E-08	1.88E-07	4.23E-09	2.42E-08	2.89E-09	3.13E-08	3.85E-09	1.27E-08	8.74E-10	1.74E-08
7716	470480.98	3819249.93	4.22E-08	1.77E-07	1.60E-08	2.35E-07	3.52E-08	1.30E-07	1.15E-08	1.77E-07	3.99E-09	2.28E-08	2.72E-09	2.95E-08	3.62E-09	1.19E-08	8.24E-10	1.64E-08
7717	470495.56	3819461.35	5.55E-08	2.33E-07	2.10E-08	3.10E-07	4.63E-08	1.71E-07	1.51E-08	2.33E-07	5.24E-09	3.00E-08	3.58E-09	3.89E-08	4.77E-09	1.57E-08	1.08E-09	2.16E-08
7718	470491.89	3819469.98	5.57E-08	2.34E-07	2.11E-08	3.10E-07	4.64E-08	1.72E-07	1.51E-08	2.33E-07	5.26E-09	3.01E-08	3.59E-09	3.89E-08	4.78E-09	1.58E-08	1.09E-09	2.16E-08
7719	470488.21	3819478.62	5.57E-08	2.34E-07	2.10E-08	3.10E-07	4.64E-08	1.72E-07	1.51E-08	2.33E-07	5.26E-09	3.01E-08	3.59E-09	3.89E-08	4.78E-09	1.58E-08	1.09E-09	2.16E-08
7720	470484.53	3819487.25	5.55E-08	2.33E-07	2.10E-08	3.10E-07	4.62E-08	1.71E-07	1.51E-08	2.33E-07	5.24E-09	3.00E-08	3.58E-09	3.88E-08	4.77E-09	1.57E-08	1.08E-09	2.16E-08
7721	470480.86	3819495.89	5.52E-08	2.32E-07	2.09E-08	3.08E-07	4.60E-08	1.70E-07	1.50E-08	2.31E-07	5.22E-09	2.99E-08	3.56E-09	3.86E-08	4.74E-09	1.56E-08	1.08E-09	2.15E-08
7722	470477.18	3819504.52	5.48E-08	2.30E-07	2.07E-08	3.06E-07	4.57E-08	1.69E-07	1.49E-08	2.30E-07	5.18E-09	2.96E-08	3.54E-09	3.84E-08	4.71E-09	1.55E-08	1.07E-09	2.13E-08
7723	470473.5	3819513.16	5.43E-08	2.28E-07	2.05E-08	3.03E-07	4.52E-08	1.68E-07	1.47E-08	2.28E-07	5.13E-09	2.94E-08	3.50E-09	3.80E-08	4.66E-09	1.54E-08	1.06E-09	2.11E-08
7724	470469.83	3819521.79	5.37E-08	2.25E-07	2.03E-08	2.99E-07	4.47E-08	1.66E-07	1.46E-08	2.25E-07	5.07E-09	2.90E-08	3.46E-09	3.76E-08	4.61E-09	1.52E-08	1.05E-09	2.09E-08
7725	470466.15	3819530.42	5.30E-08	2.23E-07	2.00E-08	2.96E-07	4.41E-08	1.63E-07	1.44E-08	2.22E-07	5.00E-09	2.86E-08	3.42E-09	3.71E-08	4.55E-09	1.50E-08	1.03E-09	2.06E-08
7726	470462.47	3819539.06	5.22E-08	2.19E-07	1.97E-08	2.91E-07	4.35E-08	1.61E-07	1.42E-08	2.19E-07	4.93E-09	2.82E-08	3.37E-09	3.65E-08	4.48E-09	1.48E-08	1.02E-09	2.03E-08
7727	470458.79	3819547.69	5.14E-08	2.16E-07	1.94E-08	2.87E-07	4.28E-08	1.59E-07	1.40E-08	2.15E-07	4.85E-09	2.78E-08	3.32E-09	3.60E-08	4.41E-09	1.45E-08	1.00E-09	2.00E-08
7728	470455.12	3819556.33	5.05E-08	2.12E-07	1.91E-08	2.82E-07	4.21E-08	1.56E-07	1.37E-08	2.12E-07	4.77E-09	2.73E-08	3.26E-09	3.53E-08	4.34E-09	1.43E-08	9.86E-10	1.96E-08
7729	470451.44	3819564.96	4.96E-08	2.08E-07	1.88E-08	2.77E-07	4.13E-08	1.53E-07	1.35E-08	2.08E-07	4.69E-09	2.68E-08	3.20E-09	3.47E-08	4.26E-09	1.40E-08	9.68E-10	1.93E-08
7730	470447.76	3819573.6	4.87E-08	2.05E-07	1.84E-08	2.72E-07	4.06E-08	1.50E-07	1.32E-08	2.04E-07	4.60E-09	2.63E-08	3.14E-09	3.41E-08	4.18E-09	1.38E-08	9.50E-10	1.89E-08
7731	470444.09	3819582.23	4.78E-08	2.01E-07	1.81E-08	2.66E-07	3.98E-08	1.47E-07	1.30E-08	2.00E-07	4.51E-09	2.58E-08	3.08E-09	3.34E-08	4.10E-09	1.35E-08	9.32E-10	1.85E-08
7732	470440.41	3819590.86	4.68E-08	1.97E-07	1.77E-08	2.61E-07	3.90E-08	1.44E-07	1.27E-08	1.96E-07	4.42E-09	2.53E-08	3.02E-09	3.27E-08	4.02E-09	1.32E-08	9.13E-10	1.82E-08
7733	470436.73	3819599.5	4.59E-08	1.93E-07	1.73E-08	2.56E-07	3.82E-08	1.41E-07	1.24E-08	1.92E-07	4.33E-09	2.48E-08	2.96E-09	3.21E-08	3.94E-09	1.30E-08	8.95E-10	1.78E-08
7734	470424.34	3819611.62	4.59E-08	1.93E-07	1.74E-08	2.56E-07	3.82E-08	1.42E-07	1.25E-08	1.92E-07	4.33E-09	2.48E-08	2.96E-09	3.21E-08	3.94E-09	1.30E-08	8.95E-10	1.78E-08
7735	470415.62	3819615.1	4.69E-08	1.97E-07	1.77E-08	2.62E-07	3.91E-08	1.45E-07	1.27E-08	1.97E-07	4.43E-09	2.54E-08	3.02E-09	3.28E-08	4.03E-09	1.33E-08	9.15E-10	1.82E-08
7736	470406.91	3819618.58	4.79E-08	2.01E-07	1.81E-08	2.67E-07	3.99E-08	1.48E-07	1.30E-08	2.01E-07	4.53E-09	2.59E-08	3.09E-09	3.35E-08	4.11E-09	1.36E-08	9.35E-10	1.86E-08
7737	470398.19	3819622.06	4.90E-08	2.06E-07	1.85E-08	2.73E-07	4.08E-08	1.51E-07	1.33E-08	2.05E-07	4.63E-09	2.65E-08	3.16E-09	3.43E-08	4.21E-09	1.39E-08	9.56E-10	1.90E-08
7738	470389.48	3819625.54	5.01E-08	2.10E-07	1.89E-08	2.79E-07	4.17E-08	1.55E-07	1.36E-08	2.10E-07	4.73E-09	2.71E-08	3.23E-09	3.50E-08	4.30E-09	1.42E-08	9.77E-10	1.95E-08
7739	470380.77	3819629.03	5.12E-08	2.15E-07	1.94E-08	2.86E-07	4.26E-08	1.58E-07	1.39E-08	2.15E-07	4.83E-09	2.77E-08	3.30E-09	3.58E-08	4.40E-09	1.45E-08	9.99E-10	1.99E-08
7740	470372.05	3819632.51	5.24E-08	2.20E-07	1.98E-08	2.92E-07	4.36E-08	1.62E-07	1.42E-08	2.19E-07	4.94E-09	2.83E-08	3.38E-09	3.66E-08	4.49E-09	1.48E-08	1.02E-09	2.03E-08
7741	470363.34	3819635.99	5.35E-08	2.25E-07	2.03E-08	2.99E-07	4.46E-08	1.65E-07	1.45E-08	2.24E-07	5.06E-09	2.89E-08	3.45E-09	3.75E-08	4.60E-09	1.52E-08	1.04E-09	2.08E-08
7742	470354.62	3819639.47	5.48E-08	2.30E-07	2.07E-08	3.05E-07	4.56E-08	1.69E-07	1.49E-08	2.29E-07	5.17E-09	2.96E-08	3.53E-09	3.83E-08	4.70E-09	1.55E-08	1.07E-09	2.13E-08
7743	470345.91	3819642.95	5.60E-08	2.35E-07	2.12E-08	3.12E-07	4.66E-08	1.73E-07	1.52E-08	2.35E-07	5.29E-09	3.03E-08	3.61E-09	3.92E-08	4.81E-09	1.59E-08	1.09E-09	2.18E-08
7744	470337.19	3819646.43	5.73E-08	2.40E-07	2.17E-08	3.19E-07	4.77E-08	1.77E-07	1.55E-08	2.40E-07	5.41E-09	3.10E-08	3.69E-09	4.01E-08	4.92E-09	1.62E-08	1.12E-09	2.22E-08
7745	470328.48	3819649.92	5.85E-08	2.46E-07	2.21E-08	3.26E-07	4.87E-08	1.81E-07	1.59E-08	2.45E-07	5.53E-09	3.16E-08	3.77E-09	4.09E-08	5.02E-09	1.66E-08	1.14E-09	2.27E-08
7746	470319.76	3819653.4	5.98E-08	2.51E-07	2.26E-08	3.33E-07	4.98E-08	1.84E-07	1.62E-08	2.50E-07	5.64E-09	3.23E-08	3.86E-09	4.18E-08	5.13E-09	1.69E-08	1.17E-09	2.32E-08
7747	470311.05	3819656.88	6.10E-08	2.56E-07	2.31E-08	3.40E-07	5.08E-08	1.88E-07	1.66E-08	2.56E-07	5.76E-09	3.30E-08	3.94E-09	4.27E-08	5.24E-09	1.73E-08	1.19E-09	2.37E-08
7748	470302.33	3819660.36	6.23E-08	2.62E-07	2.36E-08	3.47E-07	5.19E-08	1.92E-07	1.69E-08	2.61E-07	5.88E-09	3.37E-08	4.02E-09	4.36E-08	5.35E-09	1.76E-08	1.22E-09	2.42E-08

7749	470499.24	3819452.72	5.53E-08	2.32E-07	2.09E-08	3.08E-07	4.60E-08	1.71E-07	1.50E-08	2.32E-07	5.22E-09	2.99E-08	3.56E-09	3.87E-08	4.74E-09	1.56E-08	1.08E-09	2.15E-08
7750	470499.32	3819443.07	5.62E-08	2.36E-07	2.12E-08	3.13E-07	4.68E-08	1.73E-07	1.53E-08	2.35E-07	5.31E-09	3.04E-08	3.62E-09	3.93E-08	4.82E-09	1.59E-08	1.10E-09	2.18E-08
7751	470499.41	3819433.42	5.70E-08	2.39E-07	2.15E-08	3.18E-07	4.74E-08	1.76E-07	1.55E-08	2.39E-07	5.38E-09	3.08E-08	3.67E-09	3.98E-08	4.89E-09	1.61E-08	1.11E-09	2.21E-08
7752	470499.49	3819423.77	5.76E-08	2.42E-07	2.18E-08	3.21E-07	4.80E-08	1.78E-07	1.56E-08	2.41E-07	5.44E-09	3.11E-08	3.71E-09	4.03E-08	4.94E-09	1.63E-08	1.12E-09	2.24E-08
7753	470499.57	3819414.12	5.80E-08	2.44E-07	2.19E-08	3.24E-07	4.83E-08	1.79E-07	1.57E-08	2.43E-07	5.48E-09	3.14E-08	3.74E-09	4.06E-08	4.98E-09	1.64E-08	1.13E-09	2.25E-08
7754	470499.66	3819404.48	5.83E-08	2.45E-07	2.20E-08	3.25E-07	4.85E-08	1.80E-07	1.58E-08	2.44E-07	5.50E-09	3.15E-08	3.76E-09	4.08E-08	5.00E-09	1.65E-08	1.14E-09	2.26E-08
7755	470499.74	3819394.83	5.83E-08	2.45E-07	2.21E-08	3.25E-07	4.86E-08	1.80E-07	1.58E-08	2.44E-07	5.51E-09	3.15E-08	3.76E-09	4.08E-08	5.01E-09	1.65E-08	1.14E-09	2.27E-08
7756	470499.82	3819385.18	5.82E-08	2.44E-07	2.20E-08	3.25E-07	4.85E-08	1.80E-07	1.58E-08	2.44E-07	5.49E-09	3.15E-08	3.75E-09	4.07E-08	4.99E-09	1.65E-08	1.14E-09	2.26E-08
7757	470499.9	3819375.53	5.78E-08	2.43E-07	2.19E-08	3.23E-07	4.82E-08	1.78E-07	1.57E-08	2.42E-07	5.46E-09	3.13E-08	3.73E-09	4.04E-08	4.96E-09	1.64E-08	1.13E-09	2.25E-08
7758	470499.99	3819365.88	5.72E-08	2.40E-07	2.17E-08	3.19E-07	4.77E-08	1.77E-07	1.55E-08	2.40E-07	5.41E-09	3.09E-08	3.69E-09	4.00E-08	4.91E-09	1.62E-08	1.12E-09	2.22E-08
7759	470500.07	3819356.23	5.65E-08	2.37E-07	2.14E-08	3.15E-07	4.70E-08	1.74E-07	1.53E-08	2.37E-07	5.33E-09	3.05E-08	3.64E-09	3.95E-08	4.85E-09	1.60E-08	1.10E-09	2.19E-08
7760	470500.15	3819346.59	5.55E-08	2.33E-07	2.10E-08	3.09E-07	4.62E-08	1.71E-07	1.51E-08	2.32E-07	5.24E-09	3.00E-08	3.58E-09	3.88E-08	4.76E-09	1.57E-08	1.08E-09	2.15E-08
7761	470500.23	3819336.94	5.43E-08	2.28E-07	2.05E-08	3.03E-07	4.52E-08	1.68E-07	1.47E-08	2.28E-07	5.13E-09	2.94E-08	3.50E-09	3.80E-08	4.66E-09	1.54E-08	1.06E-09	2.11E-08
7762	470500.32	3819327.29	5.29E-08	2.22E-07	2.00E-08	2.95E-07	4.41E-08	1.63E-07	1.44E-08	2.22E-07	5.00E-09	2.86E-08	3.41E-09	3.70E-08	4.54E-09	1.50E-08	1.03E-09	2.06E-08
7763	470500.4	3819317.64	5.14E-08	2.16E-07	1.94E-08	2.87E-07	4.28E-08	1.59E-07	1.39E-08	2.15E-07	4.85E-09	2.78E-08	3.31E-09	3.59E-08	4.41E-09	1.45E-08	1.00E-09	2.00E-08
7764	470515.63	3819461.37	4.94E-08	2.07E-07	1.87E-08	2.75E-07	4.11E-08	1.52E-07	1.34E-08	2.07E-07	4.66E-09	2.67E-08	3.18E-09	3.45E-08	4.24E-09	1.40E-08	9.63E-10	1.92E-08
7765	470512.02	3819469.84	4.95E-08	2.08E-07	1.87E-08	2.76E-07	4.13E-08	1.53E-07	1.34E-08	2.08E-07	4.68E-09	2.68E-08	3.20E-09	3.47E-08	4.25E-09	1.40E-08	9.67E-10	1.92E-08
7766	470508.41	3819478.32	4.96E-08	2.08E-07	1.88E-08	2.77E-07	4.13E-08	1.53E-07	1.35E-08	2.08E-07	4.68E-09	2.68E-08	3.20E-09	3.47E-08	4.26E-09	1.40E-08	9.68E-10	1.93E-08
7767	470504.8	3819486.8	4.96E-08	2.08E-07	1.87E-08	2.76E-07	4.13E-08	1.53E-07	1.35E-08	2.08E-07	4.68E-09	2.68E-08	3.20E-09	3.47E-08	4.26E-09	1.40E-08	9.67E-10	1.93E-08
7768	470501.19	3819495.27	4.94E-08	2.08E-07	1.87E-08	2.76E-07	4.12E-08	1.53E-07	1.34E-08	2.07E-07	4.67E-09	2.67E-08	3.19E-09	3.46E-08	4.24E-09	1.40E-08	9.64E-10	1.92E-08
7769	470497.58	3819503.75	4.92E-08	2.07E-07	1.86E-08	2.74E-07	4.10E-08	1.52E-07	1.34E-08	2.06E-07	4.64E-09	2.66E-08	3.17E-09	3.44E-08	4.22E-09	1.39E-08	9.60E-10	1.91E-08
7770	470493.97	3819512.23	4.89E-08	2.05E-07	1.85E-08	2.72E-07	4.07E-08	1.51E-07	1.33E-08	2.05E-07	4.61E-09	2.64E-08	3.15E-09	3.42E-08	4.19E-09	1.38E-08	9.53E-10	1.90E-08
7771	470490.36	3819520.71	4.84E-08	2.03E-07	1.83E-08	2.70E-07	4.03E-08	1.49E-07	1.31E-08	2.03E-07	4.57E-09	2.62E-08	3.12E-09	3.39E-08	4.16E-09	1.37E-08	9.45E-10	1.88E-08
7772	470486.75	3819529.18	4.79E-08	2.01E-07	1.81E-08	2.67E-07	3.99E-08	1.48E-07	1.30E-08	2.01E-07	4.53E-09	2.59E-08	3.09E-09	3.35E-08	4.12E-09	1.36E-08	9.36E-10	1.86E-08
7773	470483.14	3819537.66	4.74E-08	1.99E-07	1.79E-08	2.64E-07	3.95E-08	1.46E-07	1.29E-08	1.99E-07	4.47E-09	2.56E-08	3.06E-09	3.31E-08	4.07E-09	1.34E-08	9.25E-10	1.84E-08
7774	470479.53	3819546.14	4.68E-08	1.96E-07	1.77E-08	2.61E-07	3.90E-08	1.44E-07	1.27E-08	1.96E-07	4.42E-09	2.53E-08	3.02E-09	3.27E-08	4.02E-09	1.32E-08	9.13E-10	1.82E-08
7775	470475.92	3819554.62	4.61E-08	1.94E-07	1.74E-08	2.57E-07	3.84E-08	1.42E-07	1.25E-08	1.93E-07	4.35E-09	2.49E-08	2.97E-09	3.23E-08	3.96E-09	1.31E-08	9.00E-10	1.79E-08
7776	470472.31	3819563.09	4.54E-08	1.91E-07	1.72E-08	2.53E-07	3.78E-08	1.40E-07	1.23E-08	1.90E-07	4.29E-09	2.46E-08	2.93E-09	3.18E-08	3.90E-09	1.29E-08	8.86E-10	1.76E-08
7777	470468.7	3819571.57	4.47E-08	1.88E-07	1.69E-08	2.49E-07	3.72E-08	1.38E-07	1.21E-08	1.87E-07	4.22E-09	2.42E-08	2.88E-09	3.13E-08	3.84E-09	1.26E-08	8.72E-10	1.74E-08
7778	470465.09	3819580.05	4.39E-08	1.85E-07	1.66E-08	2.45E-07	3.66E-08	1.36E-07	1.19E-08	1.84E-07	4.15E-09	2.38E-08	2.83E-09	3.07E-08	3.77E-09	1.24E-08	8.57E-10	1.71E-08
7779	470461.48	3819588.52	4.32E-08	1.81E-07	1.63E-08	2.41E-07	3.60E-08	1.33E-07	1.17E-08	1.81E-07	4.08E-09	2.33E-08	2.78E-09	3.02E-08	3.71E-09	1.22E-08	8.42E-10	1.68E-08
7780	470457.87	3819597	4.24E-08	1.78E-07	1.60E-08	2.36E-07	3.53E-08	1.31E-07	1.15E-08	1.78E-07	4.00E-09	2.29E-08	2.73E-09	2.96E-08	3.64E-09	1.20E-08	8.27E-10	1.65E-08
7781	470454.26	3819605.48	4.16E-08	1.75E-07	1.57E-08	2.32E-07	3.46E-08	1.28E-07	1.13E-08	1.74E-07	3.93E-09	2.25E-08	2.68E-09	2.91E-08	3.57E-09	1.18E-08	8.12E-10	1.62E-08
7782	470450.65	3819613.96	4.08E-08	1.71E-07	1.54E-08	2.28E-07	3.40E-08	1.26E-07	1.11E-08	1.71E-07	3.85E-09	2.21E-08	2.63E-09	2.85E-08	3.50E-09	1.16E-08	7.96E-10	1.59E-08
7783	470438.48	3819625.85	4.08E-08	1.72E-07	1.54E-08	2.28E-07	3.40E-08	1.26E-07	1.11E-08	1.71E-07	3.86E-09	2.21E-08	2.63E-09	2.86E-08	3.51E-09	1.16E-08	7.97E-10	1.59E-08
7784	470429.92	3819629.27	4.17E-08	1.75E-07	1.58E-08	2.32E-07	3.47E-08	1.29E-07	1.13E-08	1.75E-07	3.93E-09	2.25E-08	2.69E-09	2.91E-08	3.58E-09	1.18E-08	8.13E-10	1.62E-08
7785	470421.37	3819632.69	4.25E-08	1.79E-07	1.61E-08	2.37E-07	3.54E-08	1.31E-07	1.15E-08	1.78E-07	4.01E-09	2.30E-08	2.74E-09	2.97E-08	3.65E-09	1.20E-08	8.30E-10	1.65E-08
7786	470412.81	3819636.11	4.34E-08	1.82E-07	1.64E-08	2.42E-07	3.61E-08	1.34E-07	1.18E-08	1.82E-07	4.10E-09	2.35E-08	2.80E-09	3.03E-08	3.72E-09	1.23E-08	8.46E-10	1.69E-08
7787	470404.25	3819639.53	4.43E-08	1.86E-07	1.67E-08	2.47E-07	3.69E-08	1.37E-07	1.20E-08	1.86E-07	4.18E-09	2.39E-08	2.86E-09	3.10E-08	3.80E-09	1.25E-08	8.64E-10	1.72E-08
7788	470395.7	3819642.95	4.52E-08	1.90E-07	1.71E-08	2.52E-07	3.76E-08	1.39E-07	1.23E-08	1.89E-07	4.27E-09	2.44E-08	2.91E-09	3.16E-08	3.88E-09	1.28E-08	8.82E-10	1.76E-08
7789	470387.14	3819646.36	4.61E-08	1.94E-07	1.75E-08	2.57E-07	3.84E-08	1.42E-07	1.25E-08	1.93E-07	4.36E-09	2.49E-08	2.98E-09	3.23E-08	3.96E-09	1.31E-08	9.00E-10	1.79E-08
7790	470378.59	3819649.78	4.71E-08	1.98E-07	1.78E-08	2.63E-07	3.92E-08	1.45E-07	1.28E-08	1.97E-07	4.45E-09	2.55E-08	3.04E-09	3.30E-08	4.04E-09	1.33E-08	9.19E-10	1.83E-08
7791	470370.03	3819653.2	4.81E-08	2.02E-07	1.82E-08	2.68E-07	4.01E-08	1.48E-07	1.31E-08	2.02E-07	4.54E-09	2.60E-08	3.10E-09	3.37E-08	4.13E-09	1.36E-08	9.39E-10	1.87E-08
7792	470361.47	3819656.62	4.92E-08	2.06E-07	1.86E-08	2.74E-07	4.09E-08	1.52E-07	1.33E-08	2.06E-07	4.64E-09	2.66E-08	3.17E-09	3.44E-08	4.22E-09	1.39E-08	9.59E-10	1.91E-08
7793	470352.92	3819660.04	5.02E-08	2.11E-07	1.90E-08	2.80E-07	4.18E-08	1.55E-07	1.36E-08	2.10E-07	4.74E-09	2.71E-08	3.24E-09	3.51E-08	4.31E-09	1.42E-08	9.80E-10	1.95E-08
7794	470344.36	3819663.46	5.13E-08	2.15E-07	1.94E-08	2.86E-07	4.27E-08	1.58E-07	1.39E-08	2.15E-07	4.84E-09	2.77E-08	3.31E-09	3.59E-08	4.40E-09	1.45E-08	1.00E-09	1.99E-08
7795	470335.8	3819666.88	5.23E-08	2.20E-07	1.98E-08	2.92E-07	4.36E-08	1.61E-07	1.42E-08	2.19E-07	4.94E-09	2.83E-08	3.38E-09	3.66E-08	4.49E-09	1.48E-08	1.02E-09	2.03E-08
7796	470327.25	3819670.29	5.34E-08	2.24E-07	2.02E-08	2.98E-07	4.45E-08	1.65E-07	1.45E-08	2.24E-07	5.04E-09	2.89E-08	3.44E-09	3.73E-08	4.58E-09	1.51E-08	1.04E-09	2.07E-08
7797	470318.69	3819673.71	5.44E-08	2.29E-07	2.06E-08	3.04E-07	4.53E-08	1.68E-07	1.48E-08	2.28E-07	5.14E-09	2.94E-08	3.51E-09	3.81E-08	4.67E-09	1.54E-08	1.06E-09	2.11E-08
7798	470310.13	3819677.13	5.55E-08	2.33E-07	2.10E-08	3.10E-07	4.62E-08	1.71E-07	1.51E-08	2.33E-07	5.24E-09	3.00E-08	3.58E-09	3.88E-08	4.77E-09	1.57E-08	1.08E-09	2.16E-08
7799	470301.58	3819680.55	5.65E-08	2.37E-07	2.14E-08	3.15E-07	4.71E-08	1.74E-07	1.53E-08	2.37E-07	5.34E-09	3.06E-08	3.65E-09	3.95E-08	4.85E-09	1.60E-08	1.10E-09	2.20E-08

7800	470519.24	3819452.89	4.91E-08	2.06E-07	1.86E-08	2.74E-07	4.09E-08	1.51E-07	1.33E-08	2.06E-07	4.63E-09	2.65E-08	3.17E-09	3.43E-08	4.21E-09	1.39E-08	9.58E-10	1.91E-08
7801	470519.32	3819443.24	4.98E-08	2.09E-07	1.88E-08	2.78E-07	4.15E-08	1.54E-07	1.35E-08	2.09E-07	4.70E-09	2.69E-08	3.21E-09	3.48E-08	4.27E-09	1.41E-08	9.71E-10	1.93E-08
7802	470519.41	3819433.59	5.03E-08	2.11E-07	1.90E-08	2.81E-07	4.19E-08	1.55E-07	1.37E-08	2.11E-07	4.75E-09	2.72E-08	3.25E-09	3.52E-08	4.32E-09	1.42E-08	9.82E-10	1.96E-08
7803	470519.49	3819423.94	5.08E-08	2.13E-07	1.92E-08	2.83E-07	4.23E-08	1.57E-07	1.38E-08	2.13E-07	4.80E-09	2.75E-08	3.28E-09	3.55E-08	4.36E-09	1.44E-08	9.91E-10	1.97E-08
7804	470519.57	3819414.3	5.11E-08	2.15E-07	1.93E-08	2.85E-07	4.26E-08	1.58E-07	1.39E-08	2.14E-07	4.82E-09	2.76E-08	3.30E-09	3.57E-08	4.39E-09	1.45E-08	9.97E-10	1.98E-08
7805	470519.65	3819404.65	5.12E-08	2.15E-07	1.94E-08	2.86E-07	4.27E-08	1.58E-07	1.39E-08	2.15E-07	4.84E-09	2.77E-08	3.31E-09	3.58E-08	4.40E-09	1.45E-08	1.00E-09	1.99E-08
7806	470519.74	3819395	5.12E-08	2.15E-07	1.94E-08	2.86E-07	4.27E-08	1.58E-07	1.39E-08	2.15E-07	4.84E-09	2.77E-08	3.30E-09	3.58E-08	4.40E-09	1.45E-08	1.00E-09	1.99E-08
7807	470535.52	3819461.81	4.41E-08	1.85E-07	1.67E-08	2.46E-07	3.68E-08	1.36E-07	1.20E-08	1.85E-07	4.17E-09	2.39E-08	2.85E-09	3.09E-08	3.79E-09	1.25E-08	8.61E-10	1.71E-08
7808	470531.79	3819470.55	4.43E-08	1.86E-07	1.68E-08	2.47E-07	3.69E-08	1.37E-07	1.20E-08	1.86E-07	4.19E-09	2.40E-08	2.86E-09	3.10E-08	3.81E-09	1.26E-08	8.65E-10	1.72E-08
7809	470528.07	3819479.3	4.45E-08	1.87E-07	1.68E-08	2.48E-07	3.70E-08	1.37E-07	1.21E-08	1.86E-07	4.20E-09	2.40E-08	2.87E-09	3.11E-08	3.82E-09	1.26E-08	8.68E-10	1.73E-08
7810	470524.34	3819488.04	4.45E-08	1.87E-07	1.68E-08	2.48E-07	3.71E-08	1.37E-07	1.21E-08	1.86E-07	4.20E-09	2.40E-08	2.87E-09	3.11E-08	3.82E-09	1.26E-08	8.68E-10	1.73E-08
7811	470520.62	3819496.79	4.44E-08	1.87E-07	1.68E-08	2.48E-07	3.70E-08	1.37E-07	1.21E-08	1.86E-07	4.19E-09	2.40E-08	2.86E-09	3.11E-08	3.81E-09	1.26E-08	8.67E-10	1.73E-08
7812	470516.89	3819505.54	4.43E-08	1.86E-07	1.67E-08	2.47E-07	3.69E-08	1.37E-07	1.20E-08	1.85E-07	4.18E-09	2.39E-08	2.85E-09	3.10E-08	3.80E-09	1.25E-08	8.64E-10	1.72E-08
7813	470513.17	3819514.28	4.40E-08	1.85E-07	1.66E-08	2.46E-07	3.67E-08	1.36E-07	1.19E-08	1.84E-07	4.16E-09	2.38E-08	2.84E-09	3.08E-08	3.78E-09	1.25E-08	8.59E-10	1.71E-08
7814	470509.44	3819523.03	4.37E-08	1.84E-07	1.65E-08	2.44E-07	3.64E-08	1.35E-07	1.19E-08	1.83E-07	4.13E-09	2.36E-08	2.82E-09	3.06E-08	3.75E-09	1.24E-08	8.53E-10	1.70E-08
7815	470505.72	3819531.78	4.33E-08	1.82E-07	1.64E-08	2.42E-07	3.61E-08	1.34E-07	1.18E-08	1.82E-07	4.09E-09	2.34E-08	2.79E-09	3.03E-08	3.72E-09	1.23E-08	8.45E-10	1.68E-08
7816	470501.99	3819540.52	4.29E-08	1.80E-07	1.62E-08	2.39E-07	3.57E-08	1.32E-07	1.16E-08	1.80E-07	4.05E-09	2.32E-08	2.77E-09	3.00E-08	3.68E-09	1.21E-08	8.37E-10	1.67E-08
7817	470498.27	3819549.27	4.24E-08	1.78E-07	1.60E-08	2.36E-07	3.53E-08	1.31E-07	1.15E-08	1.78E-07	4.00E-09	2.29E-08	2.73E-09	2.97E-08	3.64E-09	1.20E-08	8.27E-10	1.65E-08
7818	470494.54	3819558.02	4.18E-08	1.76E-07	1.58E-08	2.33E-07	3.49E-08	1.29E-07	1.14E-08	1.75E-07	3.95E-09	2.26E-08	2.70E-09	2.93E-08	3.59E-09	1.18E-08	8.16E-10	1.63E-08
7819	470490.82	3819566.76	4.13E-08	1.73E-07	1.56E-08	2.30E-07	3.44E-08	1.27E-07	1.12E-08	1.73E-07	3.90E-09	2.23E-08	2.66E-09	2.89E-08	3.54E-09	1.17E-08	8.05E-10	1.60E-08
7820	470487.09	3819575.51	4.06E-08	1.71E-07	1.54E-08	2.27E-07	3.39E-08	1.25E-07	1.10E-08	1.70E-07	3.84E-09	2.20E-08	2.62E-09	2.84E-08	3.49E-09	1.15E-08	7.93E-10	1.58E-08
7821	470483.37	3819584.26	4.00E-08	1.68E-07	1.51E-08	2.23E-07	3.33E-08	1.23E-07	1.09E-08	1.68E-07	3.78E-09	2.16E-08	2.58E-09	2.80E-08	3.43E-09	1.13E-08	7.81E-10	1.55E-08
7822	470479.64	3819593	3.93E-08	1.65E-07	1.49E-08	2.19E-07	3.28E-08	1.21E-07	1.07E-08	1.65E-07	3.72E-09	2.13E-08	2.54E-09	2.75E-08	3.38E-09	1.11E-08	7.68E-10	1.53E-08
7823	470475.92	3819601.75	3.87E-08	1.62E-07	1.46E-08	2.16E-07	3.22E-08	1.19E-07	1.05E-08	1.62E-07	3.65E-09	2.09E-08	2.49E-09	2.70E-08	3.32E-09	1.09E-08	7.54E-10	1.50E-08
7824	470472.19	3819610.49	3.80E-08	1.60E-07	1.44E-08	2.12E-07	3.16E-08	1.17E-07	1.03E-08	1.59E-07	3.59E-09	2.05E-08	2.45E-09	2.66E-08	3.26E-09	1.08E-08	7.41E-10	1.48E-08
7825	470468.47	3819619.24	3.73E-08	1.57E-07	1.41E-08	2.08E-07	3.11E-08	1.15E-07	1.01E-08	1.56E-07	3.52E-09	2.02E-08	2.41E-09	2.61E-08	3.20E-09	1.06E-08	7.28E-10	1.45E-08
7826	470464.74	3819627.99	3.66E-08	1.54E-07	1.38E-08	2.04E-07	3.05E-08	1.13E-07	9.94E-09	1.53E-07	3.46E-09	1.98E-08	2.36E-09	2.56E-08	3.14E-09	1.04E-08	7.14E-10	1.42E-08
7827	470452.19	3819640.26	3.66E-08	1.54E-07	1.39E-08	2.04E-07	3.05E-08	1.13E-07	9.94E-09	1.53E-07	3.46E-09	1.98E-08	2.36E-09	2.56E-08	3.14E-09	1.04E-08	7.15E-10	1.42E-08
7828	470443.36	3819643.79	3.74E-08	1.57E-07	1.41E-08	2.08E-07	3.11E-08	1.15E-07	1.01E-08	1.57E-07	3.53E-09	2.02E-08	2.41E-09	2.61E-08	3.21E-09	1.06E-08	7.29E-10	1.45E-08
7829	470434.53	3819647.32	3.81E-08	1.60E-07	1.44E-08	2.12E-07	3.17E-08	1.18E-07	1.03E-08	1.60E-07	3.60E-09	2.06E-08	2.46E-09	2.66E-08	3.27E-09	1.08E-08	7.43E-10	1.48E-08
7830	470425.71	3819650.84	3.88E-08	1.63E-07	1.47E-08	2.17E-07	3.24E-08	1.20E-07	1.05E-08	1.63E-07	3.67E-09	2.10E-08	2.51E-09	2.72E-08	3.33E-09	1.10E-08	7.58E-10	1.51E-08
7831	470416.88	3819654.37	3.96E-08	1.66E-07	1.50E-08	2.21E-07	3.30E-08	1.22E-07	1.08E-08	1.66E-07	3.74E-09	2.14E-08	2.56E-09	2.77E-08	3.40E-09	1.12E-08	7.73E-10	1.54E-08
7832	470408.05	3819657.9	4.04E-08	1.70E-07	1.53E-08	2.26E-07	3.37E-08	1.25E-07	1.10E-08	1.69E-07	3.82E-09	2.19E-08	2.61E-09	2.83E-08	3.47E-09	1.14E-08	7.89E-10	1.57E-08
7833	470399.22	3819661.42	4.13E-08	1.73E-07	1.56E-08	2.30E-07	3.44E-08	1.27E-07	1.12E-08	1.73E-07	3.90E-09	2.23E-08	2.66E-09	2.89E-08	3.54E-09	1.17E-08	8.05E-10	1.60E-08
7834	470390.39	3819664.95	4.21E-08	1.77E-07	1.59E-08	2.35E-07	3.51E-08	1.30E-07	1.14E-08	1.77E-07	3.98E-09	2.28E-08	2.72E-09	2.95E-08	3.62E-09	1.19E-08	8.22E-10	1.64E-08
7835	470381.57	3819668.48	4.30E-08	1.81E-07	1.63E-08	2.40E-07	3.58E-08	1.33E-07	1.17E-08	1.80E-07	4.06E-09	2.33E-08	2.77E-09	3.01E-08	3.69E-09	1.22E-08	8.39E-10	1.67E-08
7836	470372.74	3819672.01	4.39E-08	1.84E-07	1.66E-08	2.45E-07	3.66E-08	1.36E-07	1.19E-08	1.84E-07	4.15E-09	2.37E-08	2.83E-09	3.07E-08	3.77E-09	1.24E-08	8.57E-10	1.71E-08
7837	470363.91	3819675.53	4.49E-08	1.88E-07	1.70E-08	2.50E-07	3.74E-08	1.38E-07	1.22E-08	1.88E-07	4.24E-09	2.43E-08	2.89E-09	3.14E-08	3.85E-09	1.27E-08	8.75E-10	1.74E-08
7838	470355.08	3819679.06	4.58E-08	1.92E-07	1.73E-08	2.55E-07	3.82E-08	1.41E-07	1.24E-08	1.92E-07	4.33E-09	2.48E-08	2.95E-09	3.20E-08	3.93E-09	1.30E-08	8.94E-10	1.78E-08
7839	470346.25	3819682.59	4.68E-08	1.96E-07	1.77E-08	2.61E-07	3.90E-08	1.44E-07	1.27E-08	1.96E-07	4.42E-09	2.53E-08	3.02E-09	3.27E-08	4.01E-09	1.32E-08	9.12E-10	1.82E-08
7840	470337.43	3819686.11	4.77E-08	2.00E-07	1.80E-08	2.66E-07	3.97E-08	1.47E-07	1.30E-08	2.00E-07	4.51E-09	2.58E-08	3.08E-09	3.34E-08	4.10E-09	1.35E-08	9.31E-10	1.85E-08
7841	470328.6	3819689.64	4.87E-08	2.04E-07	1.84E-08	2.71E-07	4.05E-08	1.50E-07	1.32E-08	2.04E-07	4.60E-09	2.63E-08	3.14E-09	3.40E-08	4.18E-09	1.38E-08	9.50E-10	1.89E-08
7842	470319.77	3819693.17	4.96E-08	2.08E-07	1.88E-08	2.77E-07	4.13E-08	1.53E-07	1.35E-08	2.08E-07	4.68E-09	2.68E-08	3.20E-09	3.47E-08	4.26E-09	1.40E-08	9.68E-10	1.93E-08
7843	470310.94	3819696.7	5.05E-08	2.12E-07	1.91E-08	2.82E-07	4.21E-08	1.56E-07	1.37E-08	2.12E-07	4.77E-09	2.73E-08	3.26E-09	3.54E-08	4.34E-09	1.43E-08	9.86E-10	1.96E-08
7844	470302.11	3819700.22	5.14E-08	2.16E-07	1.95E-08	2.87E-07	4.28E-08	1.59E-07	1.40E-08	2.16E-07	4.86E-09	2.78E-08	3.32E-09	3.60E-08	4.42E-09	1.46E-08	1.00E-09	2.00E-08
7845	470540.93	3819496.23	4.01E-08	1.68E-07	1.52E-08	2.24E-07	3.34E-08	1.24E-07	1.09E-08	1.68E-07	3.79E-09	2.17E-08	2.59E-09	2.81E-08	3.44E-09	1.14E-08	7.83E-10	1.56E-08
7846	470537.26	3819504.83	4.00E-08	1.68E-07	1.51E-08	2.23E-07	3.34E-08	1.24E-07	1.09E-08	1.68E-07	3.78E-09	2.16E-08	2.58E-09	2.80E-08	3.44E-09	1.13E-08	7.81E-10	1.56E-08
7847	470533.6	3819513.43	3.99E-08	1.68E-07	1.51E-08	2.23E-07	3.32E-08	1.23E-07	1.08E-08	1.67E-07	3.77E-09	2.16E-08	2.57E-09	2.79E-08	3.43E-09	1.13E-08	7.79E-10	1.55E-08
7848	470529.94	3819522.03	3.97E-08	1.67E-07	1.50E-08	2.21E-07	3.31E-08	1.23E-07	1.08E-08	1.66E-07	3.75E-09	2.15E-08	2.56E-09	2.78E-08	3.41E-09	1.12E-08	7.75E-10	1.54E-08
7849	470526.28	3819530.63	3.94E-08	1.66E-07	1.49E-08	2.20E-07	3.29E-08	1.22E-07	1.07E-08	1.65E-07	3.73E-09	2.13E-08	2.54E-09	2.76E-08	3.39E-09	1.12E-08	7.70E-10	1.53E-08
7850	470522.61	3819539.23	3.91E-08	1.64E-07	1.48E-08	2.18E-07	3.26E-08	1.21E-07	1.06E-08	1.64E-07	3.70E-09	2.12E-08	2.52E-09	2.74E-08	3.36E-09	1.11E-08	7.64E-10	1.52E-08

7851	470518.95	3819547.83	3.88E-08	1.63E-07	1.47E-08	2.16E-07	3.23E-08	1.20E-07	1.05E-08	1.62E-07	3.66E-09	2.10E-08	2.50E-09	2.71E-08	3.33E-09	1.10E-08	7.57E-10	1.51E-08
7852	470515.29	3819556.43	3.84E-08	1.61E-07	1.45E-08	2.14E-07	3.20E-08	1.18E-07	1.04E-08	1.61E-07	3.62E-09	2.07E-08	2.47E-09	2.68E-08	3.29E-09	1.09E-08	7.49E-10	1.49E-08
7853	470511.63	3819565.03	3.79E-08	1.59E-07	1.43E-08	2.12E-07	3.16E-08	1.17E-07	1.03E-08	1.59E-07	3.58E-09	2.05E-08	2.45E-09	2.65E-08	3.26E-09	1.07E-08	7.40E-10	1.47E-08
7854	470507.96	3819573.63	3.74E-08	1.57E-07	1.42E-08	2.09E-07	3.12E-08	1.16E-07	1.02E-08	1.57E-07	3.54E-09	2.02E-08	2.42E-09	2.62E-08	3.21E-09	1.06E-08	7.31E-10	1.45E-08
7855	470504.3	3819582.23	3.69E-08	1.55E-07	1.40E-08	2.06E-07	3.08E-08	1.14E-07	1.00E-08	1.55E-07	3.49E-09	2.00E-08	2.38E-09	2.58E-08	3.17E-09	1.05E-08	7.21E-10	1.43E-08
7856	470500.64	3819590.83	3.64E-08	1.53E-07	1.38E-08	2.03E-07	3.03E-08	1.12E-07	9.88E-09	1.53E-07	3.44E-09	1.97E-08	2.35E-09	2.55E-08	3.13E-09	1.03E-08	7.10E-10	1.41E-08
7857	470496.98	3819599.43	3.59E-08	1.51E-07	1.36E-08	2.00E-07	2.99E-08	1.11E-07	9.74E-09	1.50E-07	3.39E-09	1.94E-08	2.31E-09	2.51E-08	3.08E-09	1.02E-08	7.00E-10	1.39E-08
7858	470493.31	3819608.03	3.53E-08	1.48E-07	1.34E-08	1.97E-07	2.94E-08	1.09E-07	9.58E-09	1.48E-07	3.33E-09	1.91E-08	2.28E-09	2.47E-08	3.03E-09	9.99E-09	6.89E-10	1.37E-08
7859	470489.65	3819616.63	3.47E-08	1.46E-07	1.31E-08	1.94E-07	2.89E-08	1.07E-07	9.43E-09	1.46E-07	3.28E-09	1.88E-08	2.24E-09	2.43E-08	2.98E-09	9.83E-09	6.78E-10	1.35E-08
7860	470485.99	3819625.23	3.42E-08	1.43E-07	1.29E-08	1.91E-07	2.85E-08	1.05E-07	9.27E-09	1.43E-07	3.23E-09	1.85E-08	2.20E-09	2.39E-08	2.93E-09	9.67E-09	6.67E-10	1.33E-08
7861	470482.33	3819633.83	3.36E-08	1.41E-07	1.27E-08	1.87E-07	2.80E-08	1.04E-07	9.12E-09	1.41E-07	3.17E-09	1.82E-08	2.17E-09	2.35E-08	2.88E-09	9.51E-09	6.55E-10	1.30E-08
7862	470478.66	3819642.43	3.30E-08	1.39E-07	1.25E-08	1.84E-07	2.75E-08	1.02E-07	8.96E-09	1.38E-07	3.12E-09	1.78E-08	2.13E-09	2.31E-08	2.83E-09	9.34E-09	6.44E-10	1.28E-08
7863	470466.32	3819654.5	3.30E-08	1.39E-07	1.25E-08	1.84E-07	2.75E-08	1.02E-07	8.96E-09	1.38E-07	3.12E-09	1.78E-08	2.13E-09	2.31E-08	2.83E-09	9.34E-09	6.44E-10	1.28E-08
7864	470457.64	3819657.97	3.36E-08	1.41E-07	1.27E-08	1.87E-07	2.80E-08	1.04E-07	9.12E-09	1.41E-07	3.17E-09	1.82E-08	2.17E-09	2.35E-08	2.89E-09	9.51E-09	6.56E-10	1.31E-08
7865	470448.96	3819661.44	3.42E-08	1.44E-07	1.29E-08	1.91E-07	2.85E-08	1.06E-07	9.29E-09	1.43E-07	3.23E-09	1.85E-08	2.21E-09	2.39E-08	2.94E-09	9.69E-09	6.68E-10	1.33E-08
7866	470440.28	3819664.91	3.49E-08	1.46E-07	1.32E-08	1.95E-07	2.90E-08	1.08E-07	9.47E-09	1.46E-07	3.29E-09	1.89E-08	2.25E-09	2.44E-08	2.99E-09	9.87E-09	6.80E-10	1.35E-08
7867	470431.6	3819668.38	3.55E-08	1.49E-07	1.34E-08	1.98E-07	2.96E-08	1.10E-07	9.64E-09	1.49E-07	3.35E-09	1.92E-08	2.29E-09	2.49E-08	3.05E-09	1.01E-08	6.93E-10	1.38E-08
7868	470422.92	3819671.84	3.62E-08	1.52E-07	1.37E-08	2.02E-07	3.02E-08	1.12E-07	9.83E-09	1.52E-07	3.42E-09	1.96E-08	2.34E-09	2.53E-08	3.11E-09	1.02E-08	7.06E-10	1.41E-08
7869	470414.24	3819675.31	3.69E-08	1.55E-07	1.40E-08	2.06E-07	3.07E-08	1.14E-07	1.00E-08	1.55E-07	3.48E-09	1.99E-08	2.38E-09	2.58E-08	3.17E-09	1.04E-08	7.20E-10	1.43E-08
7870	470405.56	3819678.78	3.76E-08	1.58E-07	1.42E-08	2.10E-07	3.13E-08	1.16E-07	1.02E-08	1.58E-07	3.55E-09	2.03E-08	2.43E-09	2.63E-08	3.23E-09	1.06E-08	7.34E-10	1.46E-08
7871	470396.88	3819682.25	3.84E-08	1.61E-07	1.45E-08	2.14E-07	3.19E-08	1.18E-07	1.04E-08	1.61E-07	3.62E-09	2.07E-08	2.47E-09	2.68E-08	3.29E-09	1.09E-08	7.48E-10	1.49E-08
7872	470388.2	3819685.72	3.91E-08	1.64E-07	1.48E-08	2.18E-07	3.26E-08	1.21E-07	1.06E-08	1.64E-07	3.69E-09	2.11E-08	2.52E-09	2.74E-08	3.36E-09	1.11E-08	7.63E-10	1.52E-08
7873	470379.52	3819689.18	3.99E-08	1.68E-07	1.51E-08	2.23E-07	3.32E-08	1.23E-07	1.08E-08	1.67E-07	3.77E-09	2.16E-08	2.57E-09	2.79E-08	3.43E-09	1.13E-08	7.79E-10	1.55E-08
7874	470370.84	3819692.65	4.07E-08	1.71E-07	1.54E-08	2.27E-07	3.39E-08	1.26E-07	1.11E-08	1.71E-07	3.84E-09	2.20E-08	2.63E-09	2.85E-08	3.49E-09	1.15E-08	7.94E-10	1.58E-08
7875	470362.16	3819696.12	4.15E-08	1.74E-07	1.57E-08	2.32E-07	3.46E-08	1.28E-07	1.13E-08	1.74E-07	3.92E-09	2.25E-08	2.68E-09	2.91E-08	3.56E-09	1.18E-08	8.10E-10	1.61E-08
7876	470353.48	3819699.59	4.24E-08	1.78E-07	1.60E-08	2.36E-07	3.53E-08	1.31E-07	1.15E-08	1.77E-07	4.00E-09	2.29E-08	2.73E-09	2.96E-08	3.64E-09	1.20E-08	8.26E-10	1.65E-08
7877	470344.8	3819703.06	4.32E-08	1.81E-07	1.63E-08	2.41E-07	3.60E-08	1.33E-07	1.17E-08	1.81E-07	4.08E-09	2.33E-08	2.79E-09	3.02E-08	3.71E-09	1.22E-08	8.43E-10	1.68E-08
7878	470336.11	3819706.53	4.40E-08	1.85E-07	1.66E-08	2.45E-07	3.67E-08	1.36E-07	1.19E-08	1.84E-07	4.16E-09	2.38E-08	2.84E-09	3.08E-08	3.78E-09	1.25E-08	8.59E-10	1.71E-08
7879	470327.43	3819709.99	4.48E-08	1.88E-07	1.69E-08	2.50E-07	3.73E-08	1.38E-07	1.22E-08	1.88E-07	4.23E-09	2.42E-08	2.89E-09	3.13E-08	3.85E-09	1.27E-08	8.74E-10	1.74E-08
7880	470318.75	3819713.46	4.56E-08	1.92E-07	1.72E-08	2.54E-07	3.80E-08	1.41E-07	1.24E-08	1.91E-07	4.31E-09	2.47E-08	2.94E-09	3.19E-08	3.91E-09	1.29E-08	8.90E-10	1.77E-08
7881	470310.07	3819716.93	4.64E-08	1.95E-07	1.75E-08	2.59E-07	3.86E-08	1.43E-07	1.26E-08	1.94E-07	4.38E-09	2.51E-08	2.99E-09	3.25E-08	3.98E-09	1.31E-08	9.05E-10	1.80E-08
7882	470301.39	3819720.4	4.71E-08	1.98E-07	1.78E-08	2.63E-07	3.93E-08	1.45E-07	1.28E-08	1.98E-07	4.45E-09	2.55E-08	3.04E-09	3.30E-08	4.05E-09	1.33E-08	9.20E-10	1.83E-08
7883	470560.98	3819250.62	2.74E-08	1.15E-07	1.04E-08	1.53E-07	2.29E-08	8.47E-08	7.45E-09	1.15E-07	2.59E-09	1.48E-08	1.77E-09	1.92E-08	2.36E-09	7.77E-09	5.36E-10	1.07E-08
7884	470561.06	3819240.97	2.61E-08	1.10E-07	9.89E-09	1.46E-07	2.18E-08	8.07E-08	7.10E-09	1.10E-07	2.47E-09	1.41E-08	1.69E-09	1.83E-08	2.24E-09	7.40E-09	5.10E-10	1.02E-08
7885	470549.15	3819524.05	3.61E-08	1.52E-07	1.37E-08	2.01E-07	3.01E-08	1.11E-07	9.81E-09	1.51E-07	3.41E-09	1.95E-08	2.33E-09	2.53E-08	3.10E-09	1.02E-08	7.05E-10	1.40E-08
7886	470545.39	3819532.88	3.59E-08	1.51E-07	1.36E-08	2.00E-07	2.99E-08	1.11E-07	9.75E-09	1.51E-07	3.39E-09	1.94E-08	2.32E-09	2.51E-08	3.08E-09	1.02E-08	7.01E-10	1.40E-08
7887	470541.63	3819541.71	3.57E-08	1.50E-07	1.35E-08	1.99E-07	2.97E-08	1.10E-07	9.69E-09	1.50E-07	3.37E-09	1.93E-08	2.30E-09	2.50E-08	3.06E-09	1.01E-08	6.96E-10	1.39E-08
7888	470537.87	3819550.54	3.54E-08	1.49E-07	1.34E-08	1.97E-07	2.95E-08	1.09E-07	9.61E-09	1.48E-07	3.34E-09	1.91E-08	2.28E-09	2.48E-08	3.04E-09	1.00E-08	6.91E-10	1.37E-08
7889	470534.11	3819559.37	3.51E-08	1.47E-07	1.33E-08	1.96E-07	2.92E-08	1.08E-07	9.52E-09	1.47E-07	3.31E-09	1.90E-08	2.26E-09	2.45E-08	3.01E-09	9.92E-09	6.84E-10	1.36E-08
7890	470530.35	3819568.2	3.47E-08	1.46E-07	1.31E-08	1.94E-07	2.89E-08	1.07E-07	9.42E-09	1.45E-07	3.28E-09	1.88E-08	2.24E-09	2.43E-08	2.98E-09	9.82E-09	6.77E-10	1.35E-08
7891	470526.59	3819577.03	3.43E-08	1.44E-07	1.30E-08	1.91E-07	2.86E-08	1.06E-07	9.31E-09	1.44E-07	3.24E-09	1.85E-08	2.21E-09	2.40E-08	2.94E-09	9.71E-09	6.69E-10	1.33E-08
7892	470522.83	3819585.86	3.39E-08	1.42E-07	1.28E-08	1.89E-07	2.82E-08	1.05E-07	9.19E-09	1.42E-07	3.20E-09	1.83E-08	2.18E-09	2.37E-08	2.91E-09	9.59E-09	6.61E-10	1.32E-08
7893	470519.07	3819594.69	3.34E-08	1.40E-07	1.26E-08	1.86E-07	2.78E-08	1.03E-07	9.07E-09	1.40E-07	3.16E-09	1.81E-08	2.16E-09	2.34E-08	2.87E-09	9.46E-09	6.52E-10	1.30E-08
7894	470515.31	3819603.52	3.30E-08	1.38E-07	1.25E-08	1.84E-07	2.74E-08	1.02E-07	8.95E-09	1.38E-07	3.11E-09	1.78E-08	2.13E-09	2.31E-08	2.83E-09	9.33E-09	6.43E-10	1.28E-08
7895	470511.55	3819612.35	3.25E-08	1.36E-07	1.23E-08	1.81E-07	2.70E-08	1.00E-07	8.81E-09	1.36E-07	3.07E-09	1.76E-08	2.09E-09	2.27E-08	2.79E-09	9.19E-09	6.34E-10	1.26E-08
7896	470507.79	3819621.18	3.20E-08	1.34E-07	1.21E-08	1.78E-07	2.66E-08	9.87E-08	8.68E-09	1.34E-07	3.02E-09	1.73E-08	2.06E-09	2.24E-08	2.74E-09	9.05E-09	6.24E-10	1.24E-08
7897	470504.03	3819630.01	3.15E-08	1.32E-07	1.19E-08	1.76E-07	2.62E-08	9.71E-08	8.54E-09	1.32E-07	2.97E-09	1.70E-08	2.03E-09	2.20E-08	2.70E-09	8.91E-09	6.14E-10	1.22E-08
7898	470500.26	3819638.84	3.10E-08	1.30E-07	1.17E-08	1.73E-07	2.58E-08	9.55E-08	8.40E-09	1.30E-07	2.92E-09	1.67E-08	2.00E-09	2.17E-08	2.66E-09	8.76E-09	6.04E-10	1.20E-08
7899	470496.5	3819647.67	3.04E-08	1.28E-07	1.15E-08	1.70E-07	2.54E-08	9.39E-08	8.26E-09	1.28E-07	2.87E-09	1.65E-08	1.96E-09	2.13E-08	2.61E-09	8.62E-09	5.94E-10	1.18E-08
7900	470492.74	3819656.5	2.99E-08	1.26E-07	1.13E-08	1.67E-07	2.49E-08	9.23E-08	8.12E-09	1.25E-07	2.83E-09	1.62E-08	1.93E-09	2.09E-08	2.57E-09	8.47E-09	5.84E-10	1.16E-08
7901	470480.07	3819668.9	2.99E-08	1.26E-07	1.13E-08	1.67E-07	2.49E-08	9.23E-08	8.12E-09	1.25E-07	2.82E-09	1.62E-08	1.93E-09	2.09E-08	2.57E-09	8.47E-09	5.84E-10	1.16E-08

7902	470471.16	3819672.46	3.04E-08	1.28E-07	1.15E-08	1.70E-07	2.53E-08	9.39E-08	8.26E-09	1.28E-07	2.87E-09	1.65E-08	1.96E-09	2.13E-08	2.61E-09	8.61E-09	5.94E-10	1.18E-08
7903	470462.24	3819676.02	3.10E-08	1.30E-07	1.17E-08	1.73E-07	2.58E-08	9.56E-08	8.41E-09	1.30E-07	2.93E-09	1.68E-08	2.00E-09	2.17E-08	2.66E-09	8.77E-09	6.05E-10	1.20E-08
7904	470453.33	3819679.58	3.16E-08	1.33E-07	1.19E-08	1.76E-07	2.63E-08	9.74E-08	8.57E-09	1.32E-07	2.98E-09	1.71E-08	2.04E-09	2.21E-08	2.71E-09	8.93E-09	6.16E-10	1.23E-08
7905	470444.42	3819683.14	3.22E-08	1.35E-07	1.22E-08	1.79E-07	2.68E-08	9.92E-08	8.73E-09	1.35E-07	3.04E-09	1.74E-08	2.07E-09	2.25E-08	2.76E-09	9.10E-09	6.27E-10	1.25E-08
7906	470435.51	3819686.7	3.28E-08	1.38E-07	1.24E-08	1.83E-07	2.73E-08	1.01E-07	8.89E-09	1.37E-07	3.09E-09	1.77E-08	2.11E-09	2.29E-08	2.81E-09	9.27E-09	6.39E-10	1.27E-08
7907	470426.59	3819690.26	3.34E-08	1.40E-07	1.26E-08	1.86E-07	2.78E-08	1.03E-07	9.06E-09	1.40E-07	3.15E-09	1.80E-08	2.15E-09	2.33E-08	2.87E-09	9.45E-09	6.51E-10	1.30E-08
7908	470417.68	3819693.82	3.40E-08	1.43E-07	1.29E-08	1.90E-07	2.83E-08	1.05E-07	9.23E-09	1.43E-07	3.21E-09	1.84E-08	2.19E-09	2.38E-08	2.92E-09	9.63E-09	6.64E-10	1.32E-08
7909	470408.77	3819697.38	3.47E-08	1.46E-07	1.31E-08	1.93E-07	2.89E-08	1.07E-07	9.41E-09	1.45E-07	3.27E-09	1.87E-08	2.24E-09	2.43E-08	2.98E-09	9.82E-09	6.77E-10	1.35E-08
7910	470399.85	3819700.95	3.54E-08	1.48E-07	1.34E-08	1.97E-07	2.95E-08	1.09E-07	9.60E-09	1.48E-07	3.34E-09	1.91E-08	2.28E-09	2.47E-08	3.04E-09	1.00E-08	6.90E-10	1.37E-08
7911	470390.94	3819704.51	3.61E-08	1.51E-07	1.36E-08	2.01E-07	3.00E-08	1.11E-07	9.79E-09	1.51E-07	3.41E-09	1.95E-08	2.33E-09	2.52E-08	3.10E-09	1.02E-08	7.04E-10	1.40E-08
7912	470382.03	3819708.07	3.68E-08	1.54E-07	1.39E-08	2.05E-07	3.06E-08	1.13E-07	9.98E-09	1.54E-07	3.47E-09	1.99E-08	2.37E-09	2.57E-08	3.16E-09	1.04E-08	7.18E-10	1.43E-08
7913	470373.12	3819711.63	3.75E-08	1.58E-07	1.42E-08	2.09E-07	3.12E-08	1.16E-07	1.02E-08	1.57E-07	3.54E-09	2.03E-08	2.42E-09	2.62E-08	3.22E-09	1.06E-08	7.32E-10	1.46E-08
7914	470364.2	3819715.19	3.83E-08	1.61E-07	1.45E-08	2.13E-07	3.19E-08	1.18E-07	1.04E-08	1.60E-07	3.61E-09	2.07E-08	2.47E-09	2.68E-08	3.28E-09	1.08E-08	7.47E-10	1.49E-08
7915	470355.29	3819718.75	3.90E-08	1.64E-07	1.48E-08	2.18E-07	3.25E-08	1.20E-07	1.06E-08	1.63E-07	3.68E-09	2.11E-08	2.52E-09	2.73E-08	3.35E-09	1.10E-08	7.61E-10	1.52E-08
7916	470346.38	3819722.31	3.98E-08	1.67E-07	1.50E-08	2.22E-07	3.31E-08	1.23E-07	1.08E-08	1.67E-07	3.75E-09	2.15E-08	2.56E-09	2.78E-08	3.41E-09	1.13E-08	7.76E-10	1.54E-08
7917	470337.46	3819725.87	4.05E-08	1.70E-07	1.53E-08	2.26E-07	3.37E-08	1.25E-07	1.10E-08	1.70E-07	3.82E-09	2.19E-08	2.61E-09	2.83E-08	3.48E-09	1.15E-08	7.90E-10	1.57E-08
7918	470328.55	3819729.43	4.12E-08	1.73E-07	1.56E-08	2.30E-07	3.43E-08	1.27E-07	1.12E-08	1.73E-07	3.89E-09	2.23E-08	2.66E-09	2.88E-08	3.54E-09	1.17E-08	8.04E-10	1.60E-08
7919	470319.64	3819733	4.19E-08	1.76E-07	1.59E-08	2.34E-07	3.49E-08	1.29E-07	1.14E-08	1.76E-07	3.96E-09	2.27E-08	2.70E-09	2.93E-08	3.60E-09	1.19E-08	8.18E-10	1.63E-08
7920	470310.73	3819736.56	4.26E-08	1.79E-07	1.61E-08	2.38E-07	3.55E-08	1.32E-07	1.16E-08	1.79E-07	4.03E-09	2.30E-08	2.75E-09	2.98E-08	3.66E-09	1.21E-08	8.32E-10	1.66E-08
7921	470301.81	3819740.12	4.33E-08	1.82E-07	1.64E-08	2.41E-07	3.61E-08	1.34E-07	1.18E-08	1.81E-07	4.09E-09	2.34E-08	2.79E-09	3.03E-08	3.72E-09	1.23E-08	8.45E-10	1.68E-08
7922	470580.4	3819318.33	3.21E-08	1.35E-07	1.21E-08	1.79E-07	2.67E-08	9.90E-08	8.71E-09	1.34E-07	3.03E-09	1.74E-08	2.07E-09	2.25E-08	2.76E-09	9.08E-09	6.26E-10	1.25E-08
7923	470580.48	3819308.68	3.12E-08	1.31E-07	1.18E-08	1.74E-07	2.60E-08	9.63E-08	8.47E-09	1.31E-07	2.95E-09	1.69E-08	2.01E-09	2.18E-08	2.68E-09	8.84E-09	6.09E-10	1.21E-08
7924	470580.56	3819299.03	3.03E-08	1.27E-07	1.15E-08	1.69E-07	2.52E-08	9.35E-08	8.22E-09	1.27E-07	2.86E-09	1.64E-08	1.95E-09	2.12E-08	2.60E-09	8.57E-09	5.91E-10	1.18E-08
7925	470580.65	3819289.38	2.93E-08	1.23E-07	1.11E-08	1.63E-07	2.44E-08	9.04E-08	7.95E-09	1.23E-07	2.77E-09	1.58E-08	1.89E-09	2.05E-08	2.51E-09	8.29E-09	5.72E-10	1.14E-08
7926	470580.73	3819279.73	2.83E-08	1.19E-07	1.07E-08	1.58E-07	2.35E-08	8.72E-08	7.67E-09	1.18E-07	2.67E-09	1.53E-08	1.82E-09	1.98E-08	2.43E-09	8.00E-09	5.51E-10	1.10E-08
7927	470580.81	3819270.09	2.72E-08	1.14E-07	1.03E-08	1.52E-07	2.26E-08	8.39E-08	7.38E-09	1.14E-07	2.57E-09	1.47E-08	1.75E-09	1.90E-08	2.33E-09	7.70E-09	5.31E-10	1.06E-08
7928	470580.89	3819260.44	2.61E-08	1.10E-07	9.87E-09	1.46E-07	2.17E-08	8.05E-08	7.08E-09	1.09E-07	2.46E-09	1.41E-08	1.68E-09	1.83E-08	2.24E-09	7.39E-09	5.09E-10	1.01E-08
7929	470580.98	3819250.79	2.50E-08	1.05E-07	9.45E-09	1.39E-07	2.08E-08	7.71E-08	6.78E-09	1.05E-07	2.36E-09	1.35E-08	1.61E-09	1.75E-08	2.14E-09	7.07E-09	4.87E-10	9.70E-09
7930	470581.06	3819241.14	2.39E-08	1.00E-07	9.02E-09	1.33E-07	1.99E-08	7.36E-08	6.48E-09	1.00E-07	2.25E-09	1.29E-08	1.54E-09	1.67E-08	2.05E-09	6.75E-09	4.66E-10	9.27E-09
7931	470557.13	3819599.57	2.85E-08	1.20E-07	1.08E-08	1.59E-07	2.37E-08	8.80E-08	7.74E-09	1.19E-07	2.69E-09	1.54E-08	1.84E-09	1.99E-08	2.45E-09	8.07E-09	5.56E-10	1.11E-08
7932	470553.48	3819608.15	2.82E-08	1.18E-07	1.07E-08	1.57E-07	2.35E-08	8.70E-08	7.65E-09	1.18E-07	2.66E-09	1.52E-08	1.82E-09	1.97E-08	2.42E-09	7.98E-09	5.50E-10	1.10E-08
7933	470549.83	3819616.73	2.79E-08	1.17E-07	1.05E-08	1.55E-07	2.32E-08	8.60E-08	7.56E-09	1.17E-07	2.63E-09	1.51E-08	1.80E-09	1.95E-08	2.39E-09	7.89E-09	5.44E-10	1.08E-08
7934	470546.17	3819625.31	2.75E-08	1.16E-07	1.04E-08	1.54E-07	2.29E-08	8.49E-08	7.47E-09	1.15E-07	2.60E-09	1.49E-08	1.78E-09	1.93E-08	2.36E-09	7.79E-09	5.37E-10	1.07E-08
7935	470542.52	3819633.89	2.72E-08	1.14E-07	1.03E-08	1.52E-07	2.26E-08	8.38E-08	7.38E-09	1.14E-07	2.57E-09	1.47E-08	1.75E-09	1.90E-08	2.33E-09	7.69E-09	5.30E-10	1.06E-08
7936	470538.87	3819642.47	2.68E-08	1.13E-07	1.01E-08	1.50E-07	2.23E-08	8.27E-08	7.28E-09	1.12E-07	2.53E-09	1.45E-08	1.73E-09	1.88E-08	2.30E-09	7.59E-09	5.23E-10	1.04E-08
7937	470535.21	3819651.04	2.64E-08	1.11E-07	1.00E-08	1.47E-07	2.20E-08	8.16E-08	7.18E-09	1.11E-07	2.50E-09	1.43E-08	1.71E-09	1.85E-08	2.27E-09	7.48E-09	5.16E-10	1.03E-08
7938	470531.56	3819659.62	2.61E-08	1.09E-07	9.85E-09	1.45E-07	2.17E-08	8.04E-08	7.07E-09	1.09E-07	2.46E-09	1.41E-08	1.68E-09	1.82E-08	2.24E-09	7.38E-09	5.08E-10	1.01E-08
7939	470527.91	3819668.2	2.57E-08	1.08E-07	9.71E-09	1.43E-07	2.14E-08	7.92E-08	6.97E-09	1.08E-07	2.42E-09	1.39E-08	1.66E-09	1.80E-08	2.20E-09	7.27E-09	5.01E-10	9.97E-09
7940	470524.25	3819676.78	2.53E-08	1.06E-07	9.56E-09	1.41E-07	2.11E-08	7.80E-08	6.86E-09	1.06E-07	2.39E-09	1.37E-08	1.63E-09	1.77E-08	2.17E-09	7.16E-09	4.93E-10	9.82E-09
7941	470520.6	3819685.36	2.49E-08	1.05E-07	9.42E-09	1.39E-07	2.07E-08	7.69E-08	6.76E-09	1.04E-07	2.35E-09	1.35E-08	1.61E-09	1.74E-08	2.14E-09	7.05E-09	4.86E-10	9.67E-09
7942	470508.29	3819697.39	2.49E-08	1.05E-07	9.42E-09	1.39E-07	2.08E-08	7.69E-08	6.76E-09	1.04E-07	2.35E-09	1.35E-08	1.61E-09	1.74E-08	2.14E-09	7.05E-09	4.86E-10	9.68E-09
7943	470499.63	3819700.85	2.53E-08	1.06E-07	9.57E-09	1.41E-07	2.11E-08	7.81E-08	6.87E-09	1.06E-07	2.39E-09	1.37E-08	1.63E-09	1.77E-08	2.17E-09	7.16E-09	4.94E-10	9.83E-09
7944	470490.97	3819704.31	2.57E-08	1.08E-07	9.72E-09	1.43E-07	2.14E-08	7.93E-08	6.98E-09	1.08E-07	2.43E-09	1.39E-08	1.66E-09	1.80E-08	2.21E-09	7.27E-09	5.01E-10	9.98E-09
7945	470482.31	3819707.77	2.61E-08	1.10E-07	9.87E-09	1.46E-07	2.17E-08	8.06E-08	7.09E-09	1.09E-07	2.47E-09	1.41E-08	1.68E-09	1.83E-08	2.24E-09	7.39E-09	5.09E-10	1.01E-08
7946	470473.66	3819711.23	2.65E-08	1.11E-07	1.00E-08	1.48E-07	2.21E-08	8.19E-08	7.20E-09	1.11E-07	2.51E-09	1.43E-08	1.71E-09	1.86E-08	2.28E-09	7.51E-09	5.18E-10	1.03E-08
7947	470465	3819714.69	2.70E-08	1.13E-07	1.02E-08	1.50E-07	2.25E-08	8.32E-08	7.32E-09	1.13E-07	2.55E-09	1.46E-08	1.74E-09	1.89E-08	2.32E-09	7.63E-09	5.26E-10	1.05E-08
7948	470456.34	3819718.15	2.74E-08	1.15E-07	1.04E-08	1.53E-07	2.28E-08	8.46E-08	7.45E-09	1.15E-07	2.59E-09	1.48E-08	1.77E-09	1.92E-08	2.35E-09	7.76E-09	5.35E-10	1.07E-08
7949	470447.68	3819721.61	2.79E-08	1.17E-07	1.06E-08	1.56E-07	2.32E-08	8.61E-08	7.57E-09	1.17E-07	2.64E-09	1.51E-08	1.80E-09	1.95E-08	2.40E-09	7.90E-09	5.44E-10	1.08E-08
7950	470439.02	3819725.07	2.84E-08	1.19E-07	1.07E-08	1.58E-07	2.36E-08	8.76E-08	7.71E-09	1.19E-07	2.68E-09	1.53E-08	1.83E-09	1.99E-08	2.44E-09	8.04E-09	5.54E-10	1.10E-08
7951	470430.36	3819728.53	2.89E-08	1.21E-07	1.09E-08	1.61E-07	2.41E-08	8.91E-08	7.84E-09	1.21E-07	2.73E-09	1.56E-08	1.86E-09	2.02E-08	2.48E-09	8.18E-09	5.64E-10	1.12E-08
7952	470421.71	3819731.99	2.94E-08	1.23E-07	1.11E-08	1.64E-07	2.45E-08	9.07E-08	7.98E-09	1.23E-07	2.78E-09	1.59E-08	1.90E-09	2.06E-08	2.52E-09	8.32E-09	5.74E-10	1.14E-08

7953	470413.05	3819735.45	2.99E-08	1.26E-07	1.13E-08	1.67E-07	2.49E-08	9.23E-08	8.12E-09	1.25E-07	2.83E-09	1.62E-08	1.93E-09	2.09E-08	2.57E-09	8.47E-09	5.84E-10	1.16E-08
7954	470404.39	3819738.91	3.05E-08	1.28E-07	1.15E-08	1.70E-07	2.54E-08	9.40E-08	8.27E-09	1.28E-07	2.88E-09	1.65E-08	1.97E-09	2.13E-08	2.62E-09	8.62E-09	5.95E-10	1.18E-08
7955	470395.73	3819742.37	3.10E-08	1.30E-07	1.17E-08	1.73E-07	2.58E-08	9.58E-08	8.42E-09	1.30E-07	2.93E-09	1.68E-08	2.00E-09	2.17E-08	2.66E-09	8.78E-09	6.05E-10	1.21E-08
7956	470387.07	3819745.83	3.16E-08	1.33E-07	1.20E-08	1.76E-07	2.63E-08	9.75E-08	8.58E-09	1.32E-07	2.98E-09	1.71E-08	2.04E-09	2.21E-08	2.71E-09	8.94E-09	6.17E-10	1.23E-08
7957	470378.42	3819749.28	3.22E-08	1.35E-07	1.22E-08	1.79E-07	2.68E-08	9.93E-08	8.73E-09	1.35E-07	3.04E-09	1.74E-08	2.08E-09	2.25E-08	2.76E-09	9.11E-09	6.28E-10	1.25E-08
7958	470369.76	3819752.74	3.28E-08	1.38E-07	1.24E-08	1.83E-07	2.73E-08	1.01E-07	8.89E-09	1.37E-07	3.09E-09	1.77E-08	2.11E-09	2.29E-08	2.81E-09	9.27E-09	6.39E-10	1.27E-08
7959	470361.1	3819756.2	3.33E-08	1.40E-07	1.26E-08	1.86E-07	2.78E-08	1.03E-07	9.05E-09	1.40E-07	3.15E-09	1.80E-08	2.15E-09	2.33E-08	2.86E-09	9.44E-09	6.50E-10	1.29E-08
7960	470352.44	3819759.66	3.39E-08	1.42E-07	1.28E-08	1.89E-07	2.82E-08	1.05E-07	9.20E-09	1.42E-07	3.20E-09	1.83E-08	2.19E-09	2.37E-08	2.91E-09	9.60E-09	6.62E-10	1.32E-08
7961	470343.78	3819763.12	3.45E-08	1.45E-07	1.30E-08	1.92E-07	2.87E-08	1.06E-07	9.36E-09	1.44E-07	3.26E-09	1.86E-08	2.22E-09	2.41E-08	2.96E-09	9.76E-09	6.73E-10	1.34E-08
7962	470335.12	3819766.58	3.51E-08	1.47E-07	1.33E-08	1.96E-07	2.92E-08	1.08E-07	9.52E-09	1.47E-07	3.31E-09	1.90E-08	2.26E-09	2.45E-08	3.01E-09	9.92E-09	6.84E-10	1.36E-08
7963	470326.47	3819770.04	3.56E-08	1.50E-07	1.35E-08	1.99E-07	2.97E-08	1.10E-07	9.66E-09	1.49E-07	3.36E-09	1.92E-08	2.30E-09	2.49E-08	3.06E-09	1.01E-08	6.95E-10	1.38E-08
7964	470317.81	3819773.5	3.61E-08	1.52E-07	1.37E-08	2.01E-07	3.01E-08	1.11E-07	9.80E-09	1.51E-07	3.41E-09	1.95E-08	2.33E-09	2.53E-08	3.10E-09	1.02E-08	7.05E-10	1.40E-08
7965	470309.15	3819776.96	3.66E-08	1.54E-07	1.38E-08	2.04E-07	3.05E-08	1.13E-07	9.93E-09	1.53E-07	3.45E-09	1.98E-08	2.36E-09	2.56E-08	3.14E-09	1.04E-08	7.14E-10	1.42E-08
7966	470300.49	3819780.42	3.70E-08	1.55E-07	1.40E-08	2.06E-07	3.08E-08	1.14E-07	1.00E-08	1.55E-07	3.50E-09	2.00E-08	2.39E-09	2.59E-08	3.18E-09	1.05E-08	7.22E-10	1.44E-08
7967	470619.24	3819453.75	2.92E-08	1.23E-07	1.11E-08	1.63E-07	2.44E-08	9.02E-08	7.94E-09	1.23E-07	2.76E-09	1.58E-08	1.89E-09	2.05E-08	2.51E-09	8.28E-09	5.71E-10	1.14E-08
7968	470619.32	3819444.1	2.94E-08	1.24E-07	1.11E-08	1.64E-07	2.45E-08	9.08E-08	7.99E-09	1.23E-07	2.78E-09	1.59E-08	1.90E-09	2.06E-08	2.53E-09	8.33E-09	5.74E-10	1.14E-08
7969	470619.4	3819434.45	2.95E-08	1.24E-07	1.12E-08	1.65E-07	2.46E-08	9.12E-08	8.02E-09	1.24E-07	2.79E-09	1.60E-08	1.91E-09	2.07E-08	2.54E-09	8.36E-09	5.76E-10	1.15E-08
7970	470619.49	3819424.8	2.96E-08	1.24E-07	1.12E-08	1.65E-07	2.47E-08	9.14E-08	8.04E-09	1.24E-07	2.80E-09	1.60E-08	1.91E-09	2.07E-08	2.54E-09	8.38E-09	5.78E-10	1.15E-08
7971	470619.57	3819415.15	2.96E-08	1.24E-07	1.12E-08	1.65E-07	2.47E-08	9.14E-08	8.04E-09	1.24E-07	2.80E-09	1.60E-08	1.91E-09	2.07E-08	2.54E-09	8.39E-09	5.78E-10	1.15E-08
7972	470619.65	3819405.5	2.96E-08	1.24E-07	1.12E-08	1.65E-07	2.46E-08	9.13E-08	8.03E-09	1.24E-07	2.79E-09	1.60E-08	1.91E-09	2.07E-08	2.54E-09	8.37E-09	5.77E-10	1.15E-08
7973	470619.73	3819395.86	2.95E-08	1.24E-07	1.11E-08	1.64E-07	2.45E-08	9.09E-08	8.00E-09	1.23E-07	2.78E-09	1.59E-08	1.90E-09	2.06E-08	2.53E-09	8.34E-09	5.75E-10	1.14E-08
7974	470619.82	3819386.21	2.93E-08	1.23E-07	1.11E-08	1.63E-07	2.44E-08	9.04E-08	7.95E-09	1.23E-07	2.76E-09	1.58E-08	1.89E-09	2.05E-08	2.51E-09	8.29E-09	5.71E-10	1.14E-08
7975	470619.9	3819376.56	2.90E-08	1.22E-07	1.10E-08	1.62E-07	2.42E-08	8.96E-08	7.88E-09	1.22E-07	2.74E-09	1.57E-08	1.87E-09	2.03E-08	2.49E-09	8.22E-09	5.67E-10	1.13E-08
7976	470619.98	3819366.91	2.87E-08	1.21E-07	1.09E-08	1.60E-07	2.39E-08	8.87E-08	7.80E-09	1.20E-07	2.71E-09	1.55E-08	1.85E-09	2.01E-08	2.47E-09	8.13E-09	5.61E-10	1.12E-08
7977	470620.06	3819357.26	2.84E-08	1.19E-07	1.07E-08	1.58E-07	2.36E-08	8.75E-08	7.70E-09	1.19E-07	2.68E-09	1.53E-08	1.83E-09	1.98E-08	2.43E-09	8.03E-09	5.53E-10	1.10E-08
7978	470620.15	3819347.62	2.79E-08	1.17E-07	1.06E-08	1.56E-07	2.33E-08	8.62E-08	7.58E-09	1.17E-07	2.64E-09	1.51E-08	1.80E-09	1.95E-08	2.40E-09	7.90E-09	5.45E-10	1.08E-08
7979	470620.23	3819337.97	2.74E-08	1.15E-07	1.04E-08	1.53E-07	2.28E-08	8.46E-08	7.45E-09	1.15E-07	2.59E-09	1.48E-08	1.77E-09	1.92E-08	2.35E-09	7.76E-09	5.35E-10	1.07E-08
7980	470620.31	3819328.32	2.69E-08	1.13E-07	1.02E-08	1.50E-07	2.24E-08	8.29E-08	7.30E-09	1.13E-07	2.54E-09	1.45E-08	1.73E-09	1.88E-08	2.31E-09	7.61E-09	5.24E-10	1.04E-08
7981	470655.55	3819462.75	2.47E-08	1.04E-07	9.35E-09	1.38E-07	2.06E-08	7.63E-08	6.71E-09	1.04E-07	2.33E-09	1.34E-08	1.59E-09	1.73E-08	2.12E-09	7.00E-09	4.82E-10	9.60E-09
7982	470651.86	3819471.41	2.49E-08	1.05E-07	9.43E-09	1.39E-07	2.08E-08	7.69E-08	6.77E-09	1.04E-07	2.35E-09	1.35E-08	1.61E-09	1.74E-08	2.14E-09	7.06E-09	4.87E-10	9.69E-09
7983	470648.17	3819480.07	2.51E-08	1.06E-07	9.50E-09	1.40E-07	2.09E-08	7.75E-08	6.82E-09	1.05E-07	2.37E-09	1.36E-08	1.62E-09	1.76E-08	2.16E-09	7.11E-09	4.90E-10	9.76E-09
7984	470644.48	3819488.73	2.53E-08	1.06E-07	9.56E-09	1.41E-07	2.11E-08	7.80E-08	6.86E-09	1.06E-07	2.39E-09	1.37E-08	1.63E-09	1.77E-08	2.17E-09	7.16E-09	4.93E-10	9.82E-09
7985	470640.8	3819497.39	2.54E-08	1.07E-07	9.61E-09	1.42E-07	2.12E-08	7.84E-08	6.90E-09	1.06E-07	2.40E-09	1.37E-08	1.64E-09	1.78E-08	2.18E-09	7.19E-09	4.96E-10	9.87E-09
7986	470637.11	3819506.05	2.55E-08	1.07E-07	9.64E-09	1.42E-07	2.12E-08	7.87E-08	6.92E-09	1.07E-07	2.41E-09	1.38E-08	1.64E-09	1.78E-08	2.19E-09	7.22E-09	4.98E-10	9.91E-09
7987	470633.42	3819514.71	2.56E-08	1.07E-07	9.67E-09	1.43E-07	2.13E-08	7.89E-08	6.94E-09	1.07E-07	2.41E-09	1.38E-08	1.65E-09	1.79E-08	2.19E-09	7.24E-09	4.99E-10	9.93E-09
7988	470567.04	3819670.58	2.26E-08	9.48E-08	8.54E-09	1.26E-07	1.88E-08	6.97E-08	6.13E-09	9.46E-08	2.13E-09	1.22E-08	1.46E-09	1.58E-08	1.94E-09	6.39E-09	4.40E-10	8.77E-09
7989	470563.35	3819679.24	2.23E-08	9.36E-08	8.43E-09	1.24E-07	1.86E-08	6.88E-08	6.05E-09	9.34E-08	2.10E-09	1.20E-08	1.44E-09	1.56E-08	1.91E-09	6.31E-09	4.35E-10	8.65E-09
7990	470559.66	3819687.9	2.20E-08	9.23E-08	8.32E-09	1.23E-07	1.83E-08	6.79E-08	5.97E-09	9.21E-08	2.08E-09	1.19E-08	1.42E-09	1.54E-08	1.89E-09	6.22E-09	4.29E-10	8.54E-09
7991	470555.98	3819696.56	2.17E-08	9.11E-08	8.21E-09	1.21E-07	1.81E-08	6.69E-08	5.89E-09	9.09E-08	2.05E-09	1.17E-08	1.40E-09	1.52E-08	1.86E-09	6.14E-09	4.23E-10	8.43E-09
7992	470552.29	3819705.22	2.14E-08	8.99E-08	8.09E-09	1.19E-07	1.78E-08	6.60E-08	5.81E-09	8.97E-08	2.02E-09	1.16E-08	1.38E-09	1.50E-08	1.84E-09	6.06E-09	4.18E-10	8.31E-09
7993	470548.6	3819713.88	2.11E-08	8.86E-08	7.98E-09	1.18E-07	1.76E-08	6.51E-08	5.73E-09	8.84E-08	1.99E-09	1.14E-08	1.36E-09	1.48E-08	1.81E-09	5.97E-09	4.12E-10	8.20E-09
7994	470536.17	3819726.03	2.11E-08	8.87E-08	7.98E-09	1.18E-07	1.76E-08	6.52E-08	5.73E-09	8.85E-08	1.99E-09	1.14E-08	1.36E-09	1.48E-08	1.81E-09	5.98E-09	4.12E-10	8.20E-09
7995	470527.43	3819729.52	2.14E-08	8.99E-08	8.10E-09	1.19E-07	1.78E-08	6.61E-08	5.81E-09	8.97E-08	2.02E-09	1.16E-08	1.38E-09	1.50E-08	1.84E-09	6.06E-09	4.18E-10	8.32E-09
7996	470518.69	3819733.01	2.17E-08	9.12E-08	8.22E-09	1.21E-07	1.81E-08	6.70E-08	5.90E-09	9.10E-08	2.05E-09	1.17E-08	1.40E-09	1.52E-08	1.87E-09	6.15E-09	4.24E-10	8.44E-09
7997	470509.95	3819736.5	2.20E-08	9.26E-08	8.34E-09	1.23E-07	1.84E-08	6.80E-08	5.98E-09	9.24E-08	2.08E-09	1.19E-08	1.42E-09	1.54E-08	1.89E-09	6.24E-09	4.30E-10	8.56E-09
7998	470501.21	3819740	2.24E-08	9.39E-08	8.46E-09	1.25E-07	1.86E-08	6.90E-08	6.07E-09	9.37E-08	2.11E-09	1.21E-08	1.44E-09	1.56E-08	1.92E-09	6.33E-09	4.36E-10	8.69E-09
7999	470492.47	3819743.49	2.27E-08	9.54E-08	8.59E-09	1.27E-07	1.89E-08	7.01E-08	6.17E-09	9.52E-08	2.15E-09	1.23E-08	1.47E-09	1.59E-08	1.95E-09	6.43E-09	4.43E-10	8.82E-09
8000	470483.73	3819746.98	2.31E-08	9.69E-08	8.73E-09	1.29E-07	1.92E-08	7.12E-08	6.26E-09	9.67E-08	2.18E-09	1.25E-08	1.49E-09	1.61E-08	1.98E-09	6.53E-09	4.50E-10	8.96E-09
8001	470474.99	3819750.47	2.34E-08	9.84E-08	8.86E-09	1.31E-07	1.95E-08	7.23E-08	6.36E-09	9.82E-08	2.21E-09	1.27E-08	1.51E-09	1.64E-08	2.01E-09	6.63E-09	4.57E-10	9.10E-09
8002	470466.25	3819753.97	2.38E-08	1.00E-07	9.00E-09	1.33E-07	1.98E-08	7.35E-08	6.46E-09	9.98E-08	2.25E-09	1.29E-08	1.54E-09	1.67E-08	2.04E-09	6.74E-09	4.65E-10	9.25E-09
8003	470457.51	3819757.46	2.42E-08	1.02E-07	9.15E-09	1.35E-07	2.02E-08	7.47E-08	6.57E-09	1.01E-07	2.28E-09	1.31E-08	1.56E-09	1.69E-08	2.08E-09	6.85E-09	4.72E-10	9.40E-09

8004	470448.77	3819760.95	2.46E-08	1.03E-07	9.30E-09	1.37E-07	2.05E-08	7.59E-08	6.68E-09	1.03E-07	2.32E-09	1.33E-08	1.59E-09	1.72E-08	2.11E-09	6.96E-09	4.80E-10	9.55E-09
8005	470440.03	3819764.44	2.50E-08	1.05E-07	9.46E-09	1.39E-07	2.08E-08	7.72E-08	6.79E-09	1.05E-07	2.36E-09	1.35E-08	1.61E-09	1.75E-08	2.15E-09	7.08E-09	4.88E-10	9.71E-09
8006	470431.29	3819767.93	2.54E-08	1.07E-07	9.62E-09	1.42E-07	2.12E-08	7.85E-08	6.91E-09	1.07E-07	2.40E-09	1.38E-08	1.64E-09	1.78E-08	2.18E-09	7.20E-09	4.96E-10	9.88E-09
8007	470422.55	3819771.43	2.59E-08	1.09E-07	9.79E-09	1.44E-07	2.16E-08	7.99E-08	7.03E-09	1.08E-07	2.44E-09	1.40E-08	1.67E-09	1.81E-08	2.22E-09	7.33E-09	5.05E-10	1.01E-08
8008	470413.81	3819774.92	2.63E-08	1.11E-07	9.96E-09	1.47E-07	2.19E-08	8.13E-08	7.15E-09	1.10E-07	2.49E-09	1.42E-08	1.70E-09	1.84E-08	2.26E-09	7.45E-09	5.14E-10	1.02E-08
8009	470405.07	3819778.41	2.68E-08	1.13E-07	1.01E-08	1.49E-07	2.23E-08	8.27E-08	7.27E-09	1.12E-07	2.53E-09	1.45E-08	1.73E-09	1.87E-08	2.30E-09	7.59E-09	5.23E-10	1.04E-08
8010	470396.33	3819781.9	2.73E-08	1.15E-07	1.03E-08	1.52E-07	2.27E-08	8.42E-08	7.40E-09	1.14E-07	2.58E-09	1.47E-08	1.76E-09	1.91E-08	2.34E-09	7.72E-09	5.32E-10	1.06E-08
8011	470387.59	3819785.39	2.77E-08	1.17E-07	1.05E-08	1.55E-07	2.31E-08	8.56E-08	7.53E-09	1.16E-07	2.62E-09	1.50E-08	1.79E-09	1.94E-08	2.38E-09	7.85E-09	5.41E-10	1.08E-08
8012	470378.84	3819788.89	2.82E-08	1.19E-07	1.07E-08	1.57E-07	2.35E-08	8.71E-08	7.66E-09	1.18E-07	2.66E-09	1.53E-08	1.82E-09	1.97E-08	2.42E-09	7.99E-09	5.51E-10	1.10E-08
8013	470370.1	3819792.38	2.87E-08	1.21E-07	1.09E-08	1.60E-07	2.39E-08	8.86E-08	7.79E-09	1.20E-07	2.71E-09	1.55E-08	1.85E-09	2.01E-08	2.46E-09	8.13E-09	5.60E-10	1.11E-08
8014	470361.36	3819795.87	2.92E-08	1.23E-07	1.10E-08	1.63E-07	2.43E-08	9.01E-08	7.92E-09	1.22E-07	2.76E-09	1.58E-08	1.88E-09	2.04E-08	2.51E-09	8.26E-09	5.70E-10	1.13E-08
8015	470352.62	3819799.36	2.97E-08	1.25E-07	1.12E-08	1.65E-07	2.47E-08	9.15E-08	8.05E-09	1.24E-07	2.80E-09	1.60E-08	1.91E-09	2.07E-08	2.55E-09	8.39E-09	5.79E-10	1.15E-08
8016	470343.88	3819802.86	3.01E-08	1.26E-07	1.14E-08	1.68E-07	2.51E-08	9.29E-08	8.17E-09	1.26E-07	2.84E-09	1.63E-08	1.94E-09	2.10E-08	2.58E-09	8.52E-09	5.87E-10	1.17E-08
8017	470335.14	3819806.35	3.05E-08	1.28E-07	1.15E-08	1.70E-07	2.54E-08	9.41E-08	8.28E-09	1.28E-07	2.88E-09	1.65E-08	1.97E-09	2.13E-08	2.62E-09	8.64E-09	5.95E-10	1.18E-08
8018	470326.4	3819809.84	3.09E-08	1.30E-07	1.17E-08	1.72E-07	2.57E-08	9.54E-08	8.39E-09	1.30E-07	2.92E-09	1.67E-08	1.99E-09	2.16E-08	2.65E-09	8.75E-09	6.03E-10	1.20E-08
8019	470317.66	3819813.33	3.13E-08	1.31E-07	1.18E-08	1.75E-07	2.61E-08	9.66E-08	8.49E-09	1.31E-07	2.95E-09	1.69E-08	2.02E-09	2.19E-08	2.69E-09	8.86E-09	6.11E-10	1.22E-08
8020	470308.92	3819816.82	3.17E-08	1.33E-07	1.20E-08	1.77E-07	2.64E-08	9.77E-08	8.59E-09	1.33E-07	2.99E-09	1.71E-08	2.04E-09	2.21E-08	2.72E-09	8.96E-09	6.18E-10	1.23E-08
8021	470300.18	3819820.32	3.20E-08	1.34E-07	1.21E-08	1.78E-07	2.67E-08	9.88E-08	8.69E-09	1.34E-07	3.02E-09	1.73E-08	2.06E-09	2.24E-08	2.75E-09	9.06E-09	6.24E-10	1.24E-08
8022	470659.24	3819454.09	2.45E-08	1.03E-07	9.25E-09	1.36E-07	2.04E-08	7.55E-08	6.64E-09	1.02E-07	2.31E-09	1.32E-08	1.58E-09	1.71E-08	2.10E-09	6.92E-09	4.77E-10	9.50E-09
8023	470659.32	3819444.44	2.46E-08	1.03E-07	9.29E-09	1.37E-07	2.05E-08	7.58E-08	6.67E-09	1.03E-07	2.32E-09	1.33E-08	1.58E-09	1.72E-08	2.11E-09	6.95E-09	4.79E-10	9.54E-09
8024	470659.4	3819434.79	2.46E-08	1.03E-07	9.31E-09	1.37E-07	2.05E-08	7.60E-08	6.68E-09	1.03E-07	2.32E-09	1.33E-08	1.59E-09	1.72E-08	2.11E-09	6.97E-09	4.80E-10	9.56E-09
8025	470659.48	3819425.14	2.46E-08	1.03E-07	9.32E-09	1.37E-07	2.05E-08	7.60E-08	6.69E-09	1.03E-07	2.33E-09	1.33E-08	1.59E-09	1.72E-08	2.11E-09	6.97E-09	4.81E-10	9.57E-09
8026	470659.57	3819415.5	2.46E-08	1.03E-07	9.31E-09	1.37E-07	2.05E-08	7.59E-08	6.68E-09	1.03E-07	2.32E-09	1.33E-08	1.59E-09	1.72E-08	2.11E-09	6.97E-09	4.80E-10	9.56E-09
8027	470659.65	3819405.85	2.45E-08	1.03E-07	9.28E-09	1.37E-07	2.04E-08	7.57E-08	6.66E-09	1.03E-07	2.32E-09	1.33E-08	1.58E-09	1.72E-08	2.11E-09	6.95E-09	4.79E-10	9.53E-09
8028	470660.31	3819328.66	2.24E-08	9.39E-08	8.46E-09	1.25E-07	1.86E-08	6.90E-08	6.07E-09	9.37E-08	2.11E-09	1.21E-08	1.44E-09	1.56E-08	1.92E-09	6.33E-09	4.36E-10	8.69E-09
8029	470660.39	3819319.01	2.19E-08	9.20E-08	8.28E-09	1.22E-07	1.82E-08	6.76E-08	5.94E-09	9.18E-08	2.07E-09	1.18E-08	1.41E-09	1.53E-08	1.88E-09	6.20E-09	4.27E-10	8.51E-09
8030	470660.48	3819309.37	2.14E-08	8.99E-08	8.09E-09	1.19E-07	1.78E-08	6.60E-08	5.81E-09	8.97E-08	2.02E-09	1.16E-08	1.38E-09	1.50E-08	1.84E-09	6.06E-09	4.18E-10	8.31E-09
8031	470660.56	3819299.72	2.09E-08	8.76E-08	7.89E-09	1.16E-07	1.74E-08	6.44E-08	5.66E-09	8.74E-08	1.97E-09	1.13E-08	1.35E-09	1.46E-08	1.79E-09	5.91E-09	4.07E-10	8.10E-09
8032	470660.64	3819290.07	2.03E-08	8.53E-08	7.68E-09	1.13E-07	1.69E-08	6.26E-08	5.51E-09	8.51E-08	1.92E-09	1.10E-08	1.31E-09	1.42E-08	1.74E-09	5.75E-09	3.96E-10	7.89E-09
8033	470660.73	3819280.42	1.97E-08	8.28E-08	7.45E-09	1.10E-07	1.64E-08	6.08E-08	5.35E-09	8.26E-08	1.86E-09	1.07E-08	1.27E-09	1.38E-08	1.69E-09	5.58E-09	3.85E-10	7.66E-09
8034	470660.81	3819270.77	1.91E-08	8.02E-08	7.22E-09	1.07E-07	1.59E-08	5.89E-08	5.18E-09	8.00E-08	1.80E-09	1.03E-08	1.23E-09	1.34E-08	1.64E-09	5.41E-09	3.73E-10	7.42E-09
8035	470660.89	3819261.12	1.85E-08	7.76E-08	6.98E-09	1.03E-07	1.54E-08	5.70E-08	5.01E-09	7.74E-08	1.74E-09	9.98E-09	1.19E-09	1.29E-08	1.59E-09	5.23E-09	3.60E-10	7.17E-09
8036	470660.97	3819251.48	1.78E-08	7.49E-08	6.74E-09	9.94E-08	1.48E-08	5.50E-08	4.84E-09	7.47E-08	1.68E-09	9.64E-09	1.15E-09	1.25E-08	1.53E-09	5.05E-09	3.48E-10	6.92E-09
8037	470661.06	3819241.83	1.72E-08	7.21E-08	6.49E-09	9.58E-08	1.43E-08	5.30E-08	4.66E-09	7.19E-08	1.62E-09	9.28E-09	1.11E-09	1.20E-08	1.47E-09	4.86E-09	3.35E-10	6.67E-09
8038	470695.52	3819463.16	2.09E-08	8.80E-08	7.92E-09	1.17E-07	1.74E-08	6.46E-08	5.69E-09	8.78E-08	1.98E-09	1.13E-08	1.35E-09	1.47E-08	1.80E-09	5.93E-09	4.09E-10	8.14E-09
8039	470691.8	3819471.88	2.12E-08	8.88E-08	8.00E-09	1.18E-07	1.76E-08	6.53E-08	5.74E-09	8.86E-08	2.00E-09	1.14E-08	1.36E-09	1.48E-08	1.82E-09	5.99E-09	4.13E-10	8.22E-09
8040	470688.09	3819480.61	2.13E-08	8.96E-08	8.07E-09	1.19E-07	1.78E-08	6.58E-08	5.79E-09	8.94E-08	2.01E-09	1.15E-08	1.38E-09	1.49E-08	1.83E-09	6.04E-09	4.16E-10	8.29E-09
8041	470684.37	3819489.34	2.15E-08	9.03E-08	8.13E-09	1.20E-07	1.79E-08	6.63E-08	5.83E-09	9.01E-08	2.03E-09	1.16E-08	1.39E-09	1.50E-08	1.84E-09	6.08E-09	4.19E-10	8.35E-09
8042	470680.65	3819498.06	2.16E-08	9.08E-08	8.18E-09	1.21E-07	1.80E-08	6.67E-08	5.87E-09	9.06E-08	2.04E-09	1.17E-08	1.39E-09	1.51E-08	1.86E-09	6.12E-09	4.22E-10	8.40E-09
8043	470676.94	3819506.79	2.17E-08	9.13E-08	8.22E-09	1.21E-07	1.81E-08	6.71E-08	5.90E-09	9.10E-08	2.05E-09	1.17E-08	1.40E-09	1.52E-08	1.87E-09	6.15E-09	4.24E-10	8.44E-09
8044	470673.22	3819515.52	2.18E-08	9.16E-08	8.25E-09	1.22E-07	1.82E-08	6.73E-08	5.92E-09	9.14E-08	2.06E-09	1.18E-08	1.41E-09	1.53E-08	1.87E-09	6.17E-09	4.26E-10	8.47E-09
8045	470669.5	3819524.24	2.19E-08	9.18E-08	8.27E-09	1.22E-07	1.82E-08	6.75E-08	5.94E-09	9.16E-08	2.06E-09	1.18E-08	1.41E-09	1.53E-08	1.88E-09	6.19E-09	4.27E-10	8.49E-09
8046	470665.79	3819532.97	2.19E-08	9.20E-08	8.28E-09	1.22E-07	1.82E-08	6.76E-08	5.94E-09	9.18E-08	2.07E-09	1.18E-08	1.41E-09	1.53E-08	1.88E-09	6.20E-09	4.27E-10	8.51E-09
8047	470662.07	3819541.7	2.19E-08	9.20E-08	8.28E-09	1.22E-07	1.82E-08	6.76E-08	5.95E-09	9.18E-08	2.07E-09	1.18E-08	1.41E-09	1.53E-08	1.88E-09	6.20E-09	4.27E-10	8.51E-09
8048	470658.35	3819550.42	2.19E-08	9.19E-08	8.28E-09	1.22E-07	1.82E-08	6.76E-08	5.94E-09	9.17E-08	2.07E-09	1.18E-08	1.41E-09	1.53E-08	1.88E-09	6.20E-09	4.27E-10	8.50E-09
8049	470654.64	3819559.15	2.19E-08	9.18E-08	8.27E-09	1.22E-07	1.82E-08	6.74E-08	5.93E-09	9.16E-08	2.06E-09	1.18E-08	1.41E-09	1.53E-08	1.88E-09	6.19E-09	4.26E-10	8.49E-09
8050	470650.92	3819567.88	2.18E-08	9.16E-08	8.24E-09	1.22E-07	1.82E-08	6.73E-08	5.92E-09	9.13E-08	2.06E-09	1.18E-08	1.41E-09	1.52E-08	1.87E-09	6.17E-09	4.25E-10	8.47E-09
8051	470555.26	3819758.17	1.84E-08	7.72E-08	6.95E-09	1.02E-07	1.53E-08	5.67E-08	4.99E-09	7.70E-08	1.74E-09	9.93E-09	1.19E-09	1.29E-08	1.58E-09	5.20E-09	3.59E-10	7.14E-09
8052	470546.45	3819761.69	1.86E-08	7.82E-08	7.04E-09	1.04E-07	1.55E-08	5.75E-08	5.05E-09	7.80E-08	1.76E-09	1.01E-08	1.20E-09	1.30E-08	1.60E-09	5.27E-09	3.63E-10	7.23E-09
8053	470537.64	3819765.21	1.89E-08	7.93E-08	7.14E-09	1.05E-07	1.57E-08	5.82E-08	5.12E-09	7.91E-08	1.78E-09	1.02E-08	1.22E-09	1.32E-08	1.62E-09	5.34E-09	3.68E-10	7.33E-09
8054	470528.84	3819768.73	1.91E-08	8.03E-08	7.23E-09	1.07E-07	1.59E-08	5.90E-08	5.19E-09	8.02E-08	1.81E-09	1.03E-08	1.23E-09	1.34E-08	1.64E-09	5.41E-09	3.73E-10	7.43E-09

8055	470520.03	3819772.25	1.94E-08	8.15E-08	7.34E-09	1.08E-07	1.62E-08	5.99E-08	5.27E-09	8.13E-08	1.83E-09	1.05E-08	1.25E-09	1.36E-08	1.67E-09	5.49E-09	3.79E-10	7.54E-09
8056	470511.22	3819775.77	1.97E-08	8.27E-08	7.44E-09	1.10E-07	1.64E-08	6.07E-08	5.34E-09	8.25E-08	1.86E-09	1.06E-08	1.27E-09	1.38E-08	1.69E-09	5.57E-09	3.84E-10	7.65E-09
8057	470502.41	3819779.29	2.00E-08	8.39E-08	7.55E-09	1.11E-07	1.66E-08	6.16E-08	5.42E-09	8.37E-08	1.89E-09	1.08E-08	1.29E-09	1.40E-08	1.71E-09	5.65E-09	3.90E-10	7.76E-09
8058	470493.6	3819782.81	2.03E-08	8.51E-08	7.66E-09	1.13E-07	1.69E-08	6.25E-08	5.50E-09	8.49E-08	1.91E-09	1.10E-08	1.31E-09	1.42E-08	1.74E-09	5.74E-09	3.95E-10	7.87E-09
8059	470484.8	3819786.33	2.06E-08	8.64E-08	7.78E-09	1.15E-07	1.71E-08	6.35E-08	5.58E-09	8.62E-08	1.94E-09	1.11E-08	1.33E-09	1.44E-08	1.77E-09	5.82E-09	4.01E-10	7.99E-09
8060	470475.99	3819789.85	2.09E-08	8.77E-08	7.90E-09	1.16E-07	1.74E-08	6.44E-08	5.67E-09	8.75E-08	1.97E-09	1.13E-08	1.35E-09	1.46E-08	1.79E-09	5.91E-09	4.08E-10	8.11E-09
8061	470467.18	3819793.37	2.12E-08	8.91E-08	8.02E-09	1.18E-07	1.77E-08	6.55E-08	5.76E-09	8.89E-08	2.00E-09	1.15E-08	1.37E-09	1.48E-08	1.82E-09	6.00E-09	4.14E-10	8.24E-09
8062	470458.37	3819796.89	2.16E-08	9.05E-08	8.15E-09	1.20E-07	1.80E-08	6.65E-08	5.85E-09	9.03E-08	2.04E-09	1.17E-08	1.39E-09	1.51E-08	1.85E-09	6.10E-09	4.21E-10	8.37E-09
8063	470449.56	3819800.41	2.19E-08	9.20E-08	8.29E-09	1.22E-07	1.82E-08	6.76E-08	5.95E-09	9.18E-08	2.07E-09	1.18E-08	1.41E-09	1.53E-08	1.88E-09	6.20E-09	4.27E-10	8.51E-09
8064	470440.76	3819803.92	2.23E-08	9.35E-08	8.42E-09	1.24E-07	1.86E-08	6.87E-08	6.05E-09	9.33E-08	2.10E-09	1.20E-08	1.44E-09	1.56E-08	1.91E-09	6.30E-09	4.35E-10	8.65E-09
8065	470431.95	3819807.44	2.27E-08	9.51E-08	8.57E-09	1.26E-07	1.89E-08	6.99E-08	6.15E-09	9.49E-08	2.14E-09	1.22E-08	1.46E-09	1.58E-08	1.94E-09	6.41E-09	4.42E-10	8.80E-09
8066	470423.14	3819810.96	2.30E-08	9.68E-08	8.71E-09	1.29E-07	1.92E-08	7.11E-08	6.25E-09	9.65E-08	2.18E-09	1.25E-08	1.49E-09	1.61E-08	1.98E-09	6.52E-09	4.50E-10	8.95E-09
8067	470414.33	3819814.48	2.34E-08	9.84E-08	8.86E-09	1.31E-07	1.95E-08	7.23E-08	6.36E-09	9.82E-08	2.21E-09	1.27E-08	1.51E-09	1.64E-08	2.01E-09	6.63E-09	4.57E-10	9.10E-09
8068	470405.52	3819818	2.38E-08	1.00E-07	9.02E-09	1.33E-07	1.99E-08	7.36E-08	6.47E-09	9.99E-08	2.25E-09	1.29E-08	1.54E-09	1.67E-08	2.05E-09	6.75E-09	4.65E-10	9.26E-09
8069	470396.72	3819821.52	2.42E-08	1.02E-07	9.17E-09	1.35E-07	2.02E-08	7.48E-08	6.58E-09	1.02E-07	2.29E-09	1.31E-08	1.56E-09	1.70E-08	2.08E-09	6.86E-09	4.73E-10	9.41E-09
8070	470387.91	3819825.04	2.46E-08	1.03E-07	9.32E-09	1.37E-07	2.05E-08	7.60E-08	6.69E-09	1.03E-07	2.33E-09	1.33E-08	1.59E-09	1.72E-08	2.12E-09	6.97E-09	4.81E-10	9.57E-09
8071	470379.1	3819828.56	2.50E-08	1.05E-07	9.46E-09	1.40E-07	2.08E-08	7.72E-08	6.79E-09	1.05E-07	2.36E-09	1.35E-08	1.61E-09	1.75E-08	2.15E-09	7.08E-09	4.88E-10	9.72E-09
8072	470370.29	3819832.08	2.54E-08	1.07E-07	9.61E-09	1.42E-07	2.12E-08	7.84E-08	6.90E-09	1.06E-07	2.40E-09	1.37E-08	1.64E-09	1.78E-08	2.18E-09	7.19E-09	4.96E-10	9.87E-09
8073	470361.48	3819835.6	2.58E-08	1.08E-07	9.74E-09	1.44E-07	2.15E-08	7.95E-08	6.99E-09	1.08E-07	2.43E-09	1.39E-08	1.66E-09	1.80E-08	2.21E-09	7.29E-09	5.03E-10	1.00E-08
8074	470352.68	3819839.12	2.61E-08	1.10E-07	9.88E-09	1.46E-07	2.18E-08	8.06E-08	7.09E-09	1.09E-07	2.47E-09	1.41E-08	1.68E-09	1.83E-08	2.24E-09	7.39E-09	5.10E-10	1.01E-08
8075	470343.87	3819842.64	2.65E-08	1.11E-07	1.00E-08	1.48E-07	2.20E-08	8.17E-08	7.19E-09	1.11E-07	2.50E-09	1.43E-08	1.71E-09	1.85E-08	2.27E-09	7.49E-09	5.17E-10	1.03E-08
8076	470335.06	3819846.15	2.68E-08	1.13E-07	1.01E-08	1.50E-07	2.23E-08	8.27E-08	7.28E-09	1.12E-07	2.53E-09	1.45E-08	1.73E-09	1.88E-08	2.30E-09	7.59E-09	5.23E-10	1.04E-08
8077	470326.25	3819849.67	2.71E-08	1.14E-07	1.03E-08	1.51E-07	2.26E-08	8.37E-08	7.36E-09	1.14E-07	2.56E-09	1.47E-08	1.75E-09	1.90E-08	2.33E-09	7.68E-09	5.29E-10	1.05E-08
8078	470317.44	3819853.19	2.74E-08	1.15E-07	1.04E-08	1.53E-07	2.28E-08	8.46E-08	7.45E-09	1.15E-07	2.59E-09	1.48E-08	1.77E-09	1.92E-08	2.35E-09	7.76E-09	5.35E-10	1.07E-08
8079	470308.64	3819856.71	2.77E-08	1.16E-07	1.05E-08	1.55E-07	2.31E-08	8.55E-08	7.52E-09	1.16E-07	2.62E-09	1.50E-08	1.79E-09	1.94E-08	2.38E-09	7.84E-09	5.41E-10	1.08E-08
8080	470299.83	3819860.23	2.80E-08	1.17E-07	1.06E-08	1.56E-07	2.33E-08	8.63E-08	7.59E-09	1.17E-07	2.64E-09	1.51E-08	1.80E-09	1.96E-08	2.40E-09	7.92E-09	5.46E-10	1.09E-08
8081	470699.23	3819454.43	2.07E-08	8.70E-08	7.83E-09	1.16E-07	1.73E-08	6.39E-08	5.62E-09	8.68E-08	1.96E-09	1.12E-08	1.34E-09	1.45E-08	1.78E-09	5.86E-09	4.04E-10	8.05E-09
8082	470699.32	3819444.78	2.08E-08	8.72E-08	7.85E-09	1.16E-07	1.73E-08	6.41E-08	5.64E-09	8.70E-08	1.96E-09	1.12E-08	1.34E-09	1.45E-08	1.78E-09	5.88E-09	4.05E-10	8.07E-09
8083	470699.81	3819386.89	2.04E-08	8.58E-08	7.72E-09	1.14E-07	1.70E-08	6.30E-08	5.54E-09	8.56E-08	1.93E-09	1.10E-08	1.32E-09	1.43E-08	1.75E-09	5.78E-09	3.99E-10	7.93E-09
8084	470699.9	3819377.25	2.03E-08	8.50E-08	7.66E-09	1.13E-07	1.69E-08	6.25E-08	5.50E-09	8.49E-08	1.91E-09	1.09E-08	1.31E-09	1.42E-08	1.74E-09	5.73E-09	3.95E-10	7.87E-09
8085	470699.98	3819367.6	2.00E-08	8.42E-08	7.58E-09	1.12E-07	1.67E-08	6.19E-08	5.44E-09	8.40E-08	1.89E-09	1.08E-08	1.29E-09	1.40E-08	1.72E-09	5.67E-09	3.91E-10	7.79E-09
8086	470700.06	3819357.95	1.98E-08	8.32E-08	7.49E-09	1.10E-07	1.65E-08	6.11E-08	5.38E-09	8.30E-08	1.87E-09	1.07E-08	1.28E-09	1.39E-08	1.70E-09	5.61E-09	3.86E-10	7.69E-09
8087	470700.14	3819348.3	1.95E-08	8.20E-08	7.39E-09	1.09E-07	1.63E-08	6.03E-08	5.30E-09	8.18E-08	1.84E-09	1.06E-08	1.26E-09	1.37E-08	1.68E-09	5.53E-09	3.81E-10	7.59E-09
8088	470700.23	3819338.65	1.92E-08	8.07E-08	7.27E-09	1.07E-07	1.60E-08	5.93E-08	5.22E-09	8.06E-08	1.82E-09	1.04E-08	1.24E-09	1.34E-08	1.65E-09	5.44E-09	3.75E-10	7.47E-09
8089	470700.31	3819329	1.89E-08	7.93E-08	7.14E-09	1.05E-07	1.57E-08	5.83E-08	5.13E-09	7.91E-08	1.78E-09	1.02E-08	1.22E-09	1.32E-08	1.62E-09	5.35E-09	3.69E-10	7.34E-09
8090	470700.39	3819319.36	1.85E-08	7.78E-08	7.01E-09	1.03E-07	1.54E-08	5.72E-08	5.03E-09	7.76E-08	1.75E-09	1.00E-08	1.19E-09	1.30E-08	1.59E-09	5.24E-09	3.61E-10	7.20E-09
8091	470700.48	3819309.71	1.81E-08	7.62E-08	6.86E-09	1.01E-07	1.51E-08	5.60E-08	4.92E-09	7.60E-08	1.71E-09	9.80E-09	1.17E-09	1.27E-08	1.56E-09	5.13E-09	3.54E-10	7.04E-09
8092	470700.56	3819300.06	1.77E-08	7.44E-08	6.70E-09	9.88E-08	1.48E-08	5.47E-08	4.81E-09	7.42E-08	1.67E-09	9.58E-09	1.14E-09	1.24E-08	1.52E-09	5.01E-09	3.46E-10	6.88E-09
8093	470700.64	3819290.41	1.73E-08	7.25E-08	6.53E-09	9.64E-08	1.44E-08	5.33E-08	4.69E-09	7.24E-08	1.63E-09	9.34E-09	1.11E-09	1.21E-08	1.48E-09	4.89E-09	3.37E-10	6.71E-09
8094	470700.72	3819280.76	1.68E-08	7.06E-08	6.36E-09	9.38E-08	1.40E-08	5.19E-08	4.56E-09	7.05E-08	1.59E-09	9.09E-09	1.08E-09	1.18E-08	1.44E-09	4.76E-09	3.28E-10	6.53E-09
8095	470700.81	3819271.12	1.63E-08	6.86E-08	6.18E-09	9.11E-08	1.36E-08	5.04E-08	4.43E-09	6.85E-08	1.54E-09	8.83E-09	1.05E-09	1.14E-08	1.40E-09	4.62E-09	3.19E-10	6.35E-09
8096	470700.89	3819261.47	1.58E-08	6.65E-08	5.99E-09	8.84E-08	1.32E-08	4.89E-08	4.30E-09	6.64E-08	1.50E-09	8.57E-09	1.02E-09	1.11E-08	1.36E-09	4.49E-09	3.09E-10	6.15E-09
8097	470700.97	3819251.82	1.53E-08	6.44E-08	5.80E-09	8.56E-08	1.28E-08	4.73E-08	4.16E-09	6.43E-08	1.45E-09	8.29E-09	9.89E-10	1.07E-08	1.32E-09	4.34E-09	2.99E-10	5.96E-09
8098	470701.05	3819242.17	1.48E-08	6.23E-08	5.61E-09	8.27E-08	1.23E-08	4.57E-08	4.02E-09	6.21E-08	1.40E-09	8.01E-09	9.56E-10	1.04E-08	1.27E-09	4.20E-09	2.89E-10	5.76E-09
8099	470728.01	3819481.12	1.83E-08	7.69E-08	6.92E-09	1.02E-07	1.52E-08	5.65E-08	4.97E-09	7.67E-08	1.73E-09	9.90E-09	1.18E-09	1.28E-08	1.57E-09	5.18E-09	3.57E-10	7.11E-09
8100	470724.27	3819489.91	1.85E-08	7.75E-08	6.98E-09	1.03E-07	1.54E-08	5.69E-08	5.01E-09	7.73E-08	1.74E-09	9.98E-09	1.19E-09	1.29E-08	1.58E-09	5.22E-09	3.60E-10	7.17E-09
8101	470720.53	3819498.69	1.86E-08	7.80E-08	7.03E-09	1.04E-07	1.55E-08	5.73E-08	5.04E-09	7.79E-08	1.75E-09	1.00E-08	1.20E-09	1.30E-08	1.60E-09	5.26E-09	3.63E-10	7.22E-09
8102	470716.79	3819507.47	1.87E-08	7.85E-08	7.07E-09	1.04E-07	1.56E-08	5.77E-08	5.07E-09	7.83E-08	1.77E-09	1.01E-08	1.21E-09	1.31E-08	1.60E-09	5.29E-09	3.65E-10	7.26E-09
8103	470713.05	3819516.25	1.88E-08	7.89E-08	7.11E-09	1.05E-07	1.56E-08	5.80E-08	5.10E-09	7.87E-08	1.77E-09	1.02E-08	1.21E-09	1.31E-08	1.61E-09	5.32E-09	3.67E-10	7.30E-09
8104	470709.31	3819525.04	1.89E-08	7.92E-08	7.13E-09	1.05E-07	1.57E-08	5.82E-08	5.12E-09	7.90E-08	1.78E-09	1.02E-08	1.22E-09	1.32E-08	1.62E-09	5.34E-09	3.68E-10	7.33E-09
8105	470705.57	3819533.82	1.89E-08	7.94E-08	7.15E-09	1.05E-07	1.58E-08	5.84E-08	5.13E-09	7.92E-08	1.79E-09	1.02E-08	1.22E-09	1.32E-08	1.62E-09	5.35E-09	3.69E-10	7.35E-09

8106	470701.83	3819542.6	1.89E-08	7.96E-08	7.17E-09	1.06E-07	1.58E-08	5.85E-08	5.14E-09	7.94E-08	1.79E-09	1.02E-08	1.22E-09	1.33E-08	1.63E-09	5.36E-09	3.70E-10	7.36E-09
8107	470698.09	3819551.38	1.90E-08	7.96E-08	7.17E-09	1.06E-07	1.58E-08	5.85E-08	5.15E-09	7.95E-08	1.79E-09	1.03E-08	1.22E-09	1.33E-08	1.63E-09	5.37E-09	3.70E-10	7.37E-09
8108	470694.35	3819560.17	1.90E-08	7.96E-08	7.17E-09	1.06E-07	1.58E-08	5.85E-08	5.15E-09	7.95E-08	1.79E-09	1.03E-08	1.22E-09	1.33E-08	1.63E-09	5.37E-09	3.70E-10	7.36E-09
8109	470690.61	3819568.95	1.89E-08	7.96E-08	7.16E-09	1.06E-07	1.58E-08	5.85E-08	5.14E-09	7.94E-08	1.79E-09	1.02E-08	1.22E-09	1.33E-08	1.63E-09	5.36E-09	3.70E-10	7.36E-09
8110	470686.87	3819577.73	1.89E-08	7.94E-08	7.15E-09	1.05E-07	1.57E-08	5.83E-08	5.13E-09	7.92E-08	1.79E-09	1.02E-08	1.22E-09	1.32E-08	1.62E-09	5.35E-09	3.69E-10	7.34E-09
8111	470683.13	3819586.52	1.89E-08	7.92E-08	7.13E-09	1.05E-07	1.57E-08	5.82E-08	5.12E-09	7.90E-08	1.78E-09	1.02E-08	1.22E-09	1.32E-08	1.62E-09	5.34E-09	3.68E-10	7.32E-09
8112	470679.39	3819595.3	1.88E-08	7.89E-08	7.11E-09	1.05E-07	1.57E-08	5.80E-08	5.10E-09	7.88E-08	1.77E-09	1.02E-08	1.21E-09	1.31E-08	1.61E-09	5.32E-09	3.67E-10	7.30E-09
8113	470675.65	3819604.08	1.87E-08	7.86E-08	7.08E-09	1.04E-07	1.56E-08	5.78E-08	5.08E-09	7.84E-08	1.77E-09	1.01E-08	1.21E-09	1.31E-08	1.61E-09	5.30E-09	3.65E-10	7.27E-09
8114	470529.92	3819808.07	1.72E-08	7.24E-08	6.52E-09	9.61E-08	1.44E-08	5.32E-08	4.68E-09	7.22E-08	1.63E-09	9.32E-09	1.11E-09	1.21E-08	1.48E-09	4.88E-09	3.36E-10	6.69E-09
8115	470521.06	3819811.61	1.75E-08	7.33E-08	6.61E-09	9.74E-08	1.45E-08	5.39E-08	4.74E-09	7.32E-08	1.65E-09	9.44E-09	1.13E-09	1.22E-08	1.50E-09	4.94E-09	3.41E-10	6.78E-09
8116	470512.19	3819815.16	1.77E-08	7.44E-08	6.70E-09	9.88E-08	1.47E-08	5.46E-08	4.81E-09	7.42E-08	1.67E-09	9.57E-09	1.14E-09	1.24E-08	1.52E-09	5.01E-09	3.46E-10	6.88E-09
8117	470503.33	3819818.7	1.80E-08	7.54E-08	6.79E-09	1.00E-07	1.50E-08	5.54E-08	4.88E-09	7.53E-08	1.70E-09	9.71E-09	1.16E-09	1.26E-08	1.54E-09	5.08E-09	3.50E-10	6.98E-09
8118	470494.46	3819822.24	1.82E-08	7.65E-08	6.89E-09	1.02E-07	1.52E-08	5.62E-08	4.95E-09	7.64E-08	1.72E-09	9.85E-09	1.18E-09	1.27E-08	1.56E-09	5.16E-09	3.56E-10	7.08E-09
8119	470485.6	3819825.78	1.85E-08	7.77E-08	7.00E-09	1.03E-07	1.54E-08	5.71E-08	5.02E-09	7.75E-08	1.75E-09	1.00E-08	1.19E-09	1.29E-08	1.59E-09	5.24E-09	3.61E-10	7.18E-09
8120	470476.73	3819829.32	1.88E-08	7.89E-08	7.10E-09	1.05E-07	1.56E-08	5.80E-08	5.10E-09	7.87E-08	1.77E-09	1.02E-08	1.21E-09	1.31E-08	1.61E-09	5.32E-09	3.66E-10	7.30E-09
8121	470467.87	3819832.86	1.91E-08	8.01E-08	7.21E-09	1.06E-07	1.59E-08	5.89E-08	5.18E-09	7.99E-08	1.80E-09	1.03E-08	1.23E-09	1.33E-08	1.64E-09	5.40E-09	3.72E-10	7.41E-09
8122	470459.01	3819836.41	1.94E-08	8.14E-08	7.33E-09	1.08E-07	1.61E-08	5.98E-08	5.26E-09	8.12E-08	1.83E-09	1.05E-08	1.25E-09	1.36E-08	1.66E-09	5.49E-09	3.78E-10	7.53E-09
8123	470450.14	3819839.95	1.97E-08	8.27E-08	7.45E-09	1.10E-07	1.64E-08	6.08E-08	5.35E-09	8.25E-08	1.86E-09	1.06E-08	1.27E-09	1.38E-08	1.69E-09	5.57E-09	3.84E-10	7.65E-09
8124	470441.28	3819843.49	2.00E-08	8.41E-08	7.57E-09	1.12E-07	1.67E-08	6.18E-08	5.43E-09	8.39E-08	1.89E-09	1.08E-08	1.29E-09	1.40E-08	1.72E-09	5.67E-09	3.91E-10	7.78E-09
8125	470432.41	3819847.03	2.04E-08	8.55E-08	7.70E-09	1.14E-07	1.70E-08	6.28E-08	5.52E-09	8.53E-08	1.92E-09	1.10E-08	1.31E-09	1.42E-08	1.75E-09	5.76E-09	3.97E-10	7.91E-09
8126	470423.55	3819850.57	2.07E-08	8.69E-08	7.83E-09	1.15E-07	1.72E-08	6.38E-08	5.62E-09	8.67E-08	1.95E-09	1.12E-08	1.33E-09	1.45E-08	1.78E-09	5.86E-09	4.04E-10	8.04E-09
8127	470414.68	3819854.12	2.10E-08	8.83E-08	7.95E-09	1.17E-07	1.75E-08	6.49E-08	5.71E-09	8.81E-08	1.99E-09	1.14E-08	1.36E-09	1.47E-08	1.81E-09	5.95E-09	4.10E-10	8.17E-09
8128	470405.82	3819857.66	2.14E-08	8.97E-08	8.08E-09	1.19E-07	1.78E-08	6.59E-08	5.80E-09	8.95E-08	2.02E-09	1.16E-08	1.38E-09	1.49E-08	1.83E-09	6.05E-09	4.17E-10	8.30E-09
8129	470396.95	3819861.2	2.17E-08	9.11E-08	8.20E-09	1.21E-07	1.81E-08	6.69E-08	5.89E-09	9.09E-08	2.05E-09	1.17E-08	1.40E-09	1.52E-08	1.86E-09	6.14E-09	4.23E-10	8.42E-09
8130	470388.09	3819864.74	2.20E-08	9.24E-08	8.32E-09	1.23E-07	1.83E-08	6.79E-08	5.97E-09	9.22E-08	2.08E-09	1.19E-08	1.42E-09	1.54E-08	1.89E-09	6.23E-09	4.29E-10	8.55E-09
8131	470379.22	3819868.28	2.23E-08	9.37E-08	8.44E-09	1.24E-07	1.86E-08	6.89E-08	6.06E-09	9.35E-08	2.11E-09	1.21E-08	1.44E-09	1.56E-08	1.92E-09	6.32E-09	4.36E-10	8.67E-09
8132	470370.36	3819871.83	2.26E-08	9.50E-08	8.56E-09	1.26E-07	1.89E-08	6.98E-08	6.14E-09	9.48E-08	2.14E-09	1.22E-08	1.46E-09	1.58E-08	1.94E-09	6.41E-09	4.42E-10	8.79E-09
8133	470361.49	3819875.37	2.29E-08	9.63E-08	8.67E-09	1.28E-07	1.91E-08	7.08E-08	6.23E-09	9.61E-08	2.17E-09	1.24E-08	1.48E-09	1.60E-08	1.97E-09	6.49E-09	4.48E-10	8.91E-09
8134	470352.63	3819878.91	2.32E-08	9.75E-08	8.78E-09	1.30E-07	1.93E-08	7.17E-08	6.30E-09	9.73E-08	2.19E-09	1.26E-08	1.50E-09	1.62E-08	1.99E-09	6.57E-09	4.53E-10	9.02E-09
8135	470343.76	3819882.45	2.35E-08	9.87E-08	8.89E-09	1.31E-07	1.96E-08	7.25E-08	6.38E-09	9.85E-08	2.22E-09	1.27E-08	1.52E-09	1.64E-08	2.02E-09	6.65E-09	4.59E-10	9.13E-09
8136	470334.9	3819885.99	2.38E-08	9.98E-08	8.99E-09	1.33E-07	1.98E-08	7.33E-08	6.45E-09	9.96E-08	2.24E-09	1.28E-08	1.53E-09	1.66E-08	2.04E-09	6.73E-09	4.64E-10	9.23E-09
8137	470326.03	3819889.53	2.40E-08	1.01E-07	9.08E-09	1.34E-07	2.00E-08	7.41E-08	6.52E-09	1.01E-07	2.27E-09	1.30E-08	1.55E-09	1.68E-08	2.06E-09	6.80E-09	4.69E-10	9.33E-09
8138	470317.17	3819893.08	2.42E-08	1.02E-07	9.17E-09	1.35E-07	2.02E-08	7.48E-08	6.58E-09	1.02E-07	2.29E-09	1.31E-08	1.56E-09	1.70E-08	2.08E-09	6.86E-09	4.73E-10	9.41E-09
8139	470308.31	3819896.62	2.44E-08	1.03E-07	9.24E-09	1.36E-07	2.04E-08	7.54E-08	6.63E-09	1.02E-07	2.31E-09	1.32E-08	1.58E-09	1.71E-08	2.10E-09	6.92E-09	4.77E-10	9.49E-09
8140	470299.44	3819900.16	2.46E-08	1.03E-07	9.32E-09	1.37E-07	2.05E-08	7.60E-08	6.69E-09	1.03E-07	2.33E-09	1.33E-08	1.59E-09	1.72E-08	2.11E-09	6.97E-09	4.81E-10	9.57E-09
8141	470739.4	3819435.48	1.78E-08	7.46E-08	6.72E-09	9.91E-08	1.48E-08	5.48E-08	4.82E-09	7.44E-08	1.68E-09	9.60E-09	1.15E-09	1.24E-08	1.53E-09	5.03E-09	3.47E-10	6.90E-09
8142	470739.48	3819425.83	1.77E-08	7.45E-08	6.71E-09	9.90E-08	1.48E-08	5.48E-08	4.82E-09	7.43E-08	1.68E-09	9.59E-09	1.14E-09	1.24E-08	1.52E-09	5.02E-09	3.46E-10	6.89E-09
8143	470739.56	3819416.18	1.77E-08	7.43E-08	6.69E-09	9.87E-08	1.47E-08	5.46E-08	4.80E-09	7.42E-08	1.67E-09	9.57E-09	1.14E-09	1.24E-08	1.52E-09	5.01E-09	3.45E-10	6.87E-09
8144	470739.65	3819406.53	1.76E-08	7.40E-08	6.67E-09	9.83E-08	1.47E-08	5.44E-08	4.78E-09	7.39E-08	1.66E-09	9.53E-09	1.14E-09	1.23E-08	1.51E-09	4.99E-09	3.44E-10	6.85E-09
8145	470739.73	3819396.88	1.75E-08	7.36E-08	6.63E-09	9.78E-08	1.46E-08	5.41E-08	4.76E-09	7.35E-08	1.66E-09	9.48E-09	1.13E-09	1.23E-08	1.50E-09	4.96E-09	3.42E-10	6.81E-09
8146	470739.81	3819387.24	1.74E-08	7.31E-08	6.58E-09	9.71E-08	1.45E-08	5.37E-08	4.73E-09	7.29E-08	1.64E-09	9.41E-09	1.12E-09	1.22E-08	1.49E-09	4.93E-09	3.40E-10	6.76E-09
8147	470739.89	3819377.59	1.73E-08	7.25E-08	6.53E-09	9.63E-08	1.44E-08	5.33E-08	4.69E-09	7.23E-08	1.63E-09	9.33E-09	1.11E-09	1.21E-08	1.48E-09	4.89E-09	3.37E-10	6.70E-09
8148	470739.98	3819367.94	1.71E-08	7.18E-08	6.46E-09	9.53E-08	1.42E-08	5.27E-08	4.64E-09	7.16E-08	1.61E-09	9.24E-09	1.10E-09	1.20E-08	1.47E-09	4.84E-09	3.33E-10	6.64E-09
8149	470740.06	3819358.29	1.69E-08	7.09E-08	6.39E-09	9.42E-08	1.41E-08	5.21E-08	4.58E-09	7.08E-08	1.59E-09	9.13E-09	1.09E-09	1.18E-08	1.45E-09	4.78E-09	3.30E-10	6.56E-09
8150	470740.14	3819348.64	1.67E-08	7.00E-08	6.30E-09	9.29E-08	1.39E-08	5.14E-08	4.52E-09	6.98E-08	1.57E-09	9.01E-09	1.07E-09	1.17E-08	1.43E-09	4.72E-09	3.25E-10	6.47E-09
8151	470740.23	3819339	1.64E-08	6.90E-08	6.21E-09	9.16E-08	1.37E-08	5.07E-08	4.46E-09	6.88E-08	1.55E-09	8.88E-09	1.06E-09	1.15E-08	1.41E-09	4.65E-09	3.20E-10	6.38E-09
8152	470740.31	3819329.35	1.62E-08	6.78E-08	6.11E-09	9.01E-08	1.35E-08	4.98E-08	4.38E-09	6.77E-08	1.53E-09	8.73E-09	1.04E-09	1.13E-08	1.39E-09	4.57E-09	3.15E-10	6.27E-09
8153	470740.39	3819319.7	1.59E-08	6.66E-08	6.00E-09	8.85E-08	1.32E-08	4.89E-08	4.31E-09	6.65E-08	1.50E-09	8.58E-09	1.02E-09	1.11E-08	1.36E-09	4.49E-09	3.10E-10	6.16E-09
8154	470740.47	3819310.05	1.56E-08	6.53E-08	5.88E-09	8.67E-08	1.30E-08	4.80E-08	4.22E-09	6.52E-08	1.47E-09	8.41E-09	1.00E-09	1.09E-08	1.34E-09	4.40E-09	3.03E-10	6.04E-09
8155	470740.56	3819300.4	1.52E-08	6.39E-08	5.76E-09	8.49E-08	1.27E-08	4.70E-08	4.13E-09	6.38E-08	1.44E-09	8.23E-09	9.82E-10	1.06E-08	1.31E-09	4.31E-09	2.97E-10	5.91E-09
8156	470740.64	3819290.75	1.49E-08	6.25E-08	5.63E-09	8.30E-08	1.24E-08	4.59E-08	4.04E-09	6.23E-08	1.40E-09	8.04E-09	9.59E-10	1.04E-08	1.28E-09	4.21E-09	2.90E-10	5.78E-09

8157	470740.72	3819281.11	1.45E-08	6.09E-08	5.49E-09	8.09E-08	1.21E-08	4.48E-08	3.94E-09	6.08E-08	1.37E-09	7.85E-09	9.36E-10	1.02E-08	1.25E-09	4.11E-09	2.83E-10	5.64E-09
8158	470740.8	3819271.46	1.41E-08	5.94E-08	5.35E-09	7.88E-08	1.18E-08	4.36E-08	3.84E-09	5.92E-08	1.33E-09	7.64E-09	9.12E-10	9.89E-09	1.21E-09	4.00E-09	2.76E-10	5.49E-09
8159	470740.89	3819261.81	1.37E-08	5.77E-08	5.20E-09	7.67E-08	1.14E-08	4.24E-08	3.73E-09	5.76E-08	1.30E-09	7.43E-09	8.86E-10	9.61E-09	1.18E-09	3.89E-09	2.68E-10	5.34E-09
8160	470740.97	3819252.16	1.33E-08	5.60E-08	5.05E-09	7.44E-08	1.11E-08	4.12E-08	3.62E-09	5.59E-08	1.26E-09	7.21E-09	8.60E-10	9.33E-09	1.15E-09	3.78E-09	2.60E-10	5.18E-09
8161	470741.05	3819242.51	1.29E-08	5.43E-08	4.89E-09	7.21E-08	1.08E-08	3.99E-08	3.51E-09	5.42E-08	1.22E-09	6.99E-09	8.34E-10	9.05E-09	1.11E-09	3.66E-09	2.52E-10	5.02E-09
8162	470775.47	3819463.95	1.55E-08	6.52E-08	5.87E-09	8.66E-08	1.29E-08	4.79E-08	4.22E-09	6.51E-08	1.47E-09	8.39E-09	1.00E-09	1.09E-08	1.33E-09	4.40E-09	3.03E-10	6.03E-09
8163	470771.71	3819472.78	1.57E-08	6.59E-08	5.94E-09	8.75E-08	1.31E-08	4.84E-08	4.26E-09	6.58E-08	1.48E-09	8.49E-09	1.01E-09	1.10E-08	1.35E-09	4.44E-09	3.06E-10	6.10E-09
8164	470752.91	3819516.93	1.63E-08	6.85E-08	6.17E-09	9.10E-08	1.36E-08	5.04E-08	4.43E-09	6.84E-08	1.54E-09	8.82E-09	1.05E-09	1.14E-08	1.40E-09	4.62E-09	3.18E-10	6.34E-09
8165	470749.15	3819525.76	1.64E-08	6.89E-08	6.20E-09	9.15E-08	1.37E-08	5.06E-08	4.45E-09	6.87E-08	1.55E-09	8.86E-09	1.06E-09	1.15E-08	1.41E-09	4.64E-09	3.20E-10	6.37E-09
8166	470745.39	3819534.59	1.65E-08	6.91E-08	6.23E-09	9.18E-08	1.37E-08	5.08E-08	4.47E-09	6.90E-08	1.55E-09	8.90E-09	1.06E-09	1.15E-08	1.41E-09	4.66E-09	3.21E-10	6.39E-09
8167	470741.62	3819543.42	1.65E-08	6.93E-08	6.24E-09	9.21E-08	1.38E-08	5.10E-08	4.48E-09	6.92E-08	1.56E-09	8.93E-09	1.07E-09	1.16E-08	1.42E-09	4.67E-09	3.22E-10	6.41E-09
8168	470737.86	3819552.25	1.65E-08	6.95E-08	6.26E-09	9.23E-08	1.38E-08	5.11E-08	4.49E-09	6.93E-08	1.56E-09	8.95E-09	1.07E-09	1.16E-08	1.42E-09	4.68E-09	3.23E-10	6.43E-09
8169	470734.1	3819561.08	1.66E-08	6.96E-08	6.27E-09	9.24E-08	1.38E-08	5.11E-08	4.50E-09	6.94E-08	1.56E-09	8.96E-09	1.07E-09	1.16E-08	1.42E-09	4.69E-09	3.23E-10	6.44E-09
8170	470730.34	3819569.91	1.66E-08	6.96E-08	6.27E-09	9.24E-08	1.38E-08	5.11E-08	4.50E-09	6.95E-08	1.57E-09	8.96E-09	1.07E-09	1.16E-08	1.42E-09	4.69E-09	3.23E-10	6.44E-09
8171	470726.58	3819578.74	1.66E-08	6.96E-08	6.27E-09	9.24E-08	1.38E-08	5.11E-08	4.50E-09	6.94E-08	1.56E-09	8.96E-09	1.07E-09	1.16E-08	1.42E-09	4.69E-09	3.23E-10	6.44E-09
8172	470722.82	3819587.57	1.65E-08	6.95E-08	6.26E-09	9.23E-08	1.38E-08	5.11E-08	4.49E-09	6.93E-08	1.56E-09	8.95E-09	1.07E-09	1.16E-08	1.42E-09	4.68E-09	3.23E-10	6.43E-09
8173	470719.06	3819596.41	1.65E-08	6.94E-08	6.25E-09	9.21E-08	1.38E-08	5.10E-08	4.48E-09	6.92E-08	1.56E-09	8.93E-09	1.07E-09	1.16E-08	1.42E-09	4.68E-09	3.22E-10	6.42E-09
8174	470715.3	3819605.24	1.65E-08	6.92E-08	6.23E-09	9.19E-08	1.37E-08	5.08E-08	4.47E-09	6.90E-08	1.56E-09	8.91E-09	1.06E-09	1.15E-08	1.41E-09	4.66E-09	3.21E-10	6.40E-09
8175	470711.54	3819614.07	1.64E-08	6.90E-08	6.21E-09	9.16E-08	1.37E-08	5.07E-08	4.46E-09	6.88E-08	1.55E-09	8.88E-09	1.06E-09	1.15E-08	1.41E-09	4.65E-09	3.20E-10	6.38E-09
8176	470707.78	3819622.9	1.64E-08	6.87E-08	6.19E-09	9.12E-08	1.36E-08	5.05E-08	4.44E-09	6.85E-08	1.54E-09	8.84E-09	1.05E-09	1.14E-08	1.40E-09	4.63E-09	3.19E-10	6.35E-09
8177	470704.02	3819631.73	1.63E-08	6.84E-08	6.16E-09	9.08E-08	1.36E-08	5.02E-08	4.42E-09	6.82E-08	1.54E-09	8.80E-09	1.05E-09	1.14E-08	1.40E-09	4.61E-09	3.18E-10	6.32E-09
8178	470504.02	3819858.19	1.63E-08	6.84E-08	6.16E-09	9.08E-08	1.36E-08	5.02E-08	4.42E-09	6.82E-08	1.54E-09	8.80E-09	1.05E-09	1.14E-08	1.40E-09	4.61E-09	3.18E-10	6.32E-09
8179	470495.11	3819861.75	1.65E-08	6.94E-08	6.25E-09	9.21E-08	1.38E-08	5.10E-08	4.48E-09	6.92E-08	1.56E-09	8.93E-09	1.07E-09	1.16E-08	1.42E-09	4.68E-09	3.22E-10	6.42E-09
8180	470486.2	3819865.32	1.68E-08	7.04E-08	6.34E-09	9.35E-08	1.40E-08	5.17E-08	4.55E-09	7.03E-08	1.58E-09	9.07E-09	1.08E-09	1.17E-08	1.44E-09	4.75E-09	3.27E-10	6.51E-09
8181	470477.29	3819868.88	1.70E-08	7.15E-08	6.44E-09	9.50E-08	1.42E-08	5.25E-08	4.62E-09	7.14E-08	1.61E-09	9.21E-09	1.10E-09	1.19E-08	1.46E-09	4.82E-09	3.32E-10	6.61E-09
8182	470468.37	3819872.44	1.73E-08	7.26E-08	6.54E-09	9.65E-08	1.44E-08	5.34E-08	4.69E-09	7.25E-08	1.63E-09	9.35E-09	1.12E-09	1.21E-08	1.48E-09	4.90E-09	3.37E-10	6.72E-09
8183	470459.46	3819876	1.76E-08	7.38E-08	6.64E-09	9.80E-08	1.46E-08	5.42E-08	4.77E-09	7.36E-08	1.66E-09	9.50E-09	1.13E-09	1.23E-08	1.51E-09	4.97E-09	3.43E-10	6.82E-09
8184	470450.55	3819879.56	1.78E-08	7.49E-08	6.75E-09	9.95E-08	1.49E-08	5.51E-08	4.84E-09	7.48E-08	1.69E-09	9.65E-09	1.15E-09	1.25E-08	1.53E-09	5.05E-09	3.48E-10	6.93E-09
8185	470441.63	3819883.12	1.81E-08	7.61E-08	6.86E-09	1.01E-07	1.51E-08	5.59E-08	4.92E-09	7.60E-08	1.71E-09	9.80E-09	1.17E-09	1.27E-08	1.56E-09	5.13E-09	3.54E-10	7.04E-09
8186	470432.72	3819886.68	1.84E-08	7.73E-08	6.96E-09	1.03E-07	1.53E-08	5.68E-08	5.00E-09	7.71E-08	1.74E-09	9.95E-09	1.19E-09	1.29E-08	1.58E-09	5.21E-09	3.59E-10	7.15E-09
8187	470423.81	3819890.24	1.87E-08	7.85E-08	7.07E-09	1.04E-07	1.56E-08	5.77E-08	5.08E-09	7.83E-08	1.77E-09	1.01E-08	1.21E-09	1.31E-08	1.60E-09	5.29E-09	3.65E-10	7.26E-09
8188	470414.9	3819893.8	1.90E-08	7.97E-08	7.18E-09	1.06E-07	1.58E-08	5.86E-08	5.15E-09	7.95E-08	1.79E-09	1.03E-08	1.22E-09	1.33E-08	1.63E-09	5.37E-09	3.70E-10	7.37E-09
8189	470405.98	3819897.37	1.93E-08	8.09E-08	7.28E-09	1.07E-07	1.60E-08	5.94E-08	5.23E-09	8.07E-08	1.82E-09	1.04E-08	1.24E-09	1.35E-08	1.65E-09	5.45E-09	3.76E-10	7.48E-09
8190	470397.07	3819900.93	1.95E-08	8.20E-08	7.39E-09	1.09E-07	1.63E-08	6.03E-08	5.30E-09	8.19E-08	1.84E-09	1.06E-08	1.26E-09	1.37E-08	1.68E-09	5.53E-09	3.81E-10	7.59E-09
8191	470388.16	3819904.49	1.98E-08	8.32E-08	7.49E-09	1.10E-07	1.65E-08	6.11E-08	5.38E-09	8.30E-08	1.87E-09	1.07E-08	1.28E-09	1.39E-08	1.70E-09	5.61E-09	3.86E-10	7.69E-09
8192	470379.24	3819908.05	2.01E-08	8.43E-08	7.59E-09	1.12E-07	1.67E-08	6.19E-08	5.45E-09	8.41E-08	1.89E-09	1.08E-08	1.29E-09	1.40E-08	1.72E-09	5.68E-09	3.92E-10	7.79E-09
8193	470370.33	3819911.61	2.03E-08	8.53E-08	7.68E-09	1.13E-07	1.69E-08	6.27E-08	5.52E-09	8.51E-08	1.92E-09	1.10E-08	1.31E-09	1.42E-08	1.74E-09	5.75E-09	3.96E-10	7.89E-09
8194	470361.42	3819915.17	2.06E-08	8.64E-08	7.78E-09	1.15E-07	1.71E-08	6.35E-08	5.58E-09	8.62E-08	1.94E-09	1.11E-08	1.33E-09	1.44E-08	1.77E-09	5.82E-09	4.01E-10	7.99E-09
8195	470352.51	3819918.73	2.08E-08	8.73E-08	7.86E-09	1.16E-07	1.73E-08	6.42E-08	5.64E-09	8.71E-08	1.96E-09	1.12E-08	1.34E-09	1.45E-08	1.78E-09	5.88E-09	4.06E-10	8.08E-09
8196	470343.59	3819922.29	2.10E-08	8.82E-08	7.94E-09	1.17E-07	1.75E-08	6.48E-08	5.70E-09	8.80E-08	1.98E-09	1.14E-08	1.35E-09	1.47E-08	1.80E-09	5.94E-09	4.10E-10	8.16E-09
8197	470334.68	3819925.85	2.12E-08	8.90E-08	8.02E-09	1.18E-07	1.77E-08	6.54E-08	5.75E-09	8.88E-08	2.00E-09	1.15E-08	1.37E-09	1.48E-08	1.82E-09	6.00E-09	4.14E-10	8.23E-09
8198	470325.77	3819929.41	2.14E-08	8.98E-08	8.09E-09	1.19E-07	1.78E-08	6.60E-08	5.80E-09	8.96E-08	2.02E-09	1.16E-08	1.38E-09	1.50E-08	1.84E-09	6.05E-09	4.17E-10	8.31E-09
8199	470316.85	3819932.98	2.16E-08	9.06E-08	8.15E-09	1.20E-07	1.80E-08	6.65E-08	5.85E-09	9.03E-08	2.04E-09	1.17E-08	1.39E-09	1.51E-08	1.85E-09	6.10E-09	4.21E-10	8.38E-09
8200	470307.94	3819936.54	2.17E-08	9.13E-08	8.22E-09	1.21E-07	1.81E-08	6.71E-08	5.90E-09	9.11E-08	2.05E-09	1.17E-08	1.40E-09	1.52E-08	1.87E-09	6.15E-09	4.24E-10	8.44E-09
8201	470299.03	3819940.1	2.19E-08	9.19E-08	8.28E-09	1.22E-07	1.82E-08	6.75E-08	5.94E-09	9.17E-08	2.07E-09	1.18E-08	1.41E-09	1.53E-08	1.88E-09	6.20E-09	4.27E-10	8.50E-09
8202	470779.23	3819455.12	1.53E-08	6.45E-08	5.80E-09	8.56E-08	1.28E-08	4.74E-08	4.17E-09	6.43E-08	1.45E-09	8.30E-09	9.90E-10	1.07E-08	1.32E-09	4.34E-09	2.99E-10	5.96E-09
8203	470779.31	3819445.47	1.54E-08	6.45E-08	5.81E-09	8.56E-08	1.28E-08	4.74E-08	4.17E-09	6.43E-08	1.45E-09	8.30E-09	9.90E-10	1.07E-08	1.32E-09	4.35E-09	3.00E-10	5.96E-09
8204	470779.4	3819435.82	1.53E-08	6.44E-08	5.80E-09	8.56E-08	1.28E-08	4.73E-08	4.16E-09	6.43E-08	1.45E-09	8.29E-09	9.89E-10	1.07E-08	1.32E-09	4.34E-09	2.99E-10	5.96E-09
8205	470779.48	3819426.17	1.53E-08	6.43E-08	5.79E-09	8.54E-08	1.28E-08	4.72E-08	4.16E-09	6.41E-08	1.45E-09	8.28E-09	9.87E-10	1.07E-08	1.31E-09	4.33E-09	2.99E-10	5.95E-09
8206	470779.56	3819416.52	1.53E-08	6.41E-08	5.77E-09	8.51E-08	1.27E-08	4.71E-08	4.14E-09	6.39E-08	1.44E-09	8.25E-09	9.84E-10	1.07E-08	1.31E-09	4.32E-09	2.98E-10	5.93E-09
8207	470779.65	3819406.88	1.52E-08	6.38E-08	5.75E-09	8.47E-08	1.27E-08	4.69E-08	4.12E-09	6.37E-08	1.43E-09	8.21E-09	9.80E-10	1.06E-08	1.30E-09	4.30E-09	2.96E-10	5.90E-09

8208	470779.73	3819397.23	1.51E-08	6.34E-08	5.71E-09	8.43E-08	1.26E-08	4.66E-08	4.10E-09	6.33E-08	1.43E-09	8.17E-09	9.74E-10	1.06E-08	1.30E-09	4.28E-09	2.95E-10	5.87E-09
8209	470779.81	3819387.58	1.50E-08	6.30E-08	5.67E-09	8.37E-08	1.25E-08	4.63E-08	4.07E-09	6.29E-08	1.42E-09	8.11E-09	9.68E-10	1.05E-08	1.29E-09	4.25E-09	2.93E-10	5.83E-09
8210	470779.89	3819377.93	1.49E-08	6.25E-08	5.63E-09	8.30E-08	1.24E-08	4.59E-08	4.04E-09	6.23E-08	1.40E-09	8.04E-09	9.60E-10	1.04E-08	1.28E-09	4.21E-09	2.90E-10	5.78E-09
8211	470779.98	3819368.28	1.47E-08	6.19E-08	5.57E-09	8.22E-08	1.23E-08	4.55E-08	4.00E-09	6.17E-08	1.39E-09	7.96E-09	9.50E-10	1.03E-08	1.26E-09	4.17E-09	2.87E-10	5.72E-09
8212	470780.06	3819358.64	1.46E-08	6.12E-08	5.51E-09	8.13E-08	1.21E-08	4.50E-08	3.96E-09	6.10E-08	1.38E-09	7.88E-09	9.40E-10	1.02E-08	1.25E-09	4.12E-09	2.84E-10	5.66E-09
8213	470780.14	3819348.99	1.44E-08	6.04E-08	5.44E-09	8.02E-08	1.20E-08	4.44E-08	3.91E-09	6.03E-08	1.36E-09	7.78E-09	9.28E-10	1.01E-08	1.23E-09	4.07E-09	2.81E-10	5.59E-09
8214	470780.22	3819339.34	1.42E-08	5.96E-08	5.37E-09	7.91E-08	1.18E-08	4.38E-08	3.85E-09	5.94E-08	1.34E-09	7.67E-09	9.15E-10	9.92E-09	1.22E-09	4.02E-09	2.77E-10	5.51E-09
8215	470780.31	3819329.69	1.40E-08	5.87E-08	5.28E-09	7.79E-08	1.16E-08	4.31E-08	3.79E-09	5.85E-08	1.32E-09	7.55E-09	9.01E-10	9.77E-09	1.20E-09	3.95E-09	2.73E-10	5.43E-09
8216	470780.39	3819320.04	1.37E-08	5.77E-08	5.20E-09	7.66E-08	1.14E-08	4.24E-08	3.73E-09	5.76E-08	1.30E-09	7.43E-09	8.86E-10	9.61E-09	1.18E-09	3.89E-09	2.68E-10	5.34E-09
8217	470780.47	3819310.39	1.35E-08	5.66E-08	5.10E-09	7.52E-08	1.12E-08	4.16E-08	3.66E-09	5.65E-08	1.27E-09	7.29E-09	8.70E-10	9.43E-09	1.16E-09	3.82E-09	2.63E-10	5.24E-09
8218	470780.56	3819300.75	1.32E-08	5.55E-08	5.00E-09	7.37E-08	1.10E-08	4.08E-08	3.59E-09	5.54E-08	1.25E-09	7.15E-09	8.53E-10	9.25E-09	1.14E-09	3.74E-09	2.58E-10	5.14E-09
8219	470780.64	3819291.1	1.29E-08	5.44E-08	4.89E-09	7.22E-08	1.08E-08	3.99E-08	3.51E-09	5.42E-08	1.22E-09	7.00E-09	8.35E-10	9.05E-09	1.11E-09	3.66E-09	2.53E-10	5.03E-09
8220	470780.72	3819281.45	1.27E-08	5.31E-08	4.78E-09	7.06E-08	1.05E-08	3.90E-08	3.43E-09	5.30E-08	1.19E-09	6.84E-09	8.16E-10	8.85E-09	1.09E-09	3.58E-09	2.47E-10	4.91E-09
8221	470780.8	3819271.8	1.23E-08	5.18E-08	4.67E-09	6.89E-08	1.03E-08	3.81E-08	3.35E-09	5.17E-08	1.17E-09	6.67E-09	7.96E-10	8.64E-09	1.06E-09	3.49E-09	2.41E-10	4.80E-09
8222	470780.89	3819262.15	1.20E-08	5.05E-08	4.55E-09	6.71E-08	1.00E-08	3.71E-08	3.27E-09	5.04E-08	1.14E-09	6.50E-09	7.76E-10	8.42E-09	1.03E-09	3.41E-09	2.35E-10	4.67E-09
8223	470780.97	3819252.51	1.17E-08	4.92E-08	4.43E-09	6.53E-08	9.75E-09	3.61E-08	3.18E-09	4.91E-08	1.11E-09	6.33E-09	7.55E-10	8.19E-09	1.01E-09	3.31E-09	2.28E-10	4.55E-09
8224	470781.05	3819242.86	1.14E-08	4.78E-08	4.30E-09	6.35E-08	9.48E-09	3.51E-08	3.09E-09	4.77E-08	1.07E-09	6.15E-09	7.34E-10	7.96E-09	9.77E-10	3.22E-09	2.22E-10	4.42E-09
8225	470815.45	3819464.33	1.36E-08	5.69E-08	5.12E-09	7.56E-08	1.13E-08	4.18E-08	3.68E-09	5.68E-08	1.28E-09	7.33E-09	8.74E-10	9.48E-09	1.16E-09	3.84E-09	2.64E-10	5.26E-09
8226	470811.67	3819473.2	1.37E-08	5.75E-08	5.18E-09	7.64E-08	1.14E-08	4.23E-08	3.72E-09	5.74E-08	1.29E-09	7.41E-09	8.84E-10	9.58E-09	1.18E-09	3.88E-09	2.67E-10	5.32E-09
8227	470807.9	3819482.07	1.38E-08	5.81E-08	5.23E-09	7.72E-08	1.15E-08	4.27E-08	3.76E-09	5.80E-08	1.31E-09	7.48E-09	8.93E-10	9.68E-09	1.19E-09	3.92E-09	2.70E-10	5.37E-09
8228	470804.12	3819490.95	1.40E-08	5.86E-08	5.28E-09	7.79E-08	1.16E-08	4.31E-08	3.79E-09	5.85E-08	1.32E-09	7.55E-09	9.01E-10	9.77E-09	1.20E-09	3.95E-09	2.73E-10	5.42E-09
8229	470800.34	3819499.82	1.41E-08	5.91E-08	5.33E-09	7.86E-08	1.17E-08	4.35E-08	3.82E-09	5.90E-08	1.33E-09	7.61E-09	9.08E-10	9.85E-09	1.21E-09	3.99E-09	2.75E-10	5.47E-09
8230	470796.56	3819508.69	1.42E-08	5.96E-08	5.37E-09	7.91E-08	1.18E-08	4.38E-08	3.85E-09	5.95E-08	1.34E-09	7.67E-09	9.15E-10	9.92E-09	1.22E-09	4.02E-09	2.77E-10	5.51E-09
8231	470781.45	3819544.18	1.45E-08	6.09E-08	5.48E-09	8.08E-08	1.21E-08	4.47E-08	3.93E-09	6.07E-08	1.37E-09	7.83E-09	9.35E-10	1.01E-08	1.24E-09	4.10E-09	2.83E-10	5.63E-09
8232	470777.67	3819553.05	1.45E-08	6.11E-08	5.50E-09	8.11E-08	1.21E-08	4.49E-08	3.95E-09	6.09E-08	1.37E-09	7.86E-09	9.38E-10	1.02E-08	1.25E-09	4.12E-09	2.84E-10	5.65E-09
8233	470773.89	3819561.92	1.46E-08	6.12E-08	5.51E-09	8.13E-08	1.21E-08	4.50E-08	3.96E-09	6.11E-08	1.38E-09	7.88E-09	9.40E-10	1.02E-08	1.25E-09	4.12E-09	2.84E-10	5.66E-09
8234	470770.11	3819570.79	1.46E-08	6.13E-08	5.52E-09	8.14E-08	1.22E-08	4.50E-08	3.96E-09	6.12E-08	1.38E-09	7.89E-09	9.41E-10	1.02E-08	1.25E-09	4.13E-09	2.85E-10	5.67E-09
8235	470766.34	3819579.66	1.46E-08	6.13E-08	5.52E-09	8.15E-08	1.22E-08	4.51E-08	3.97E-09	6.12E-08	1.38E-09	7.90E-09	9.42E-10	1.02E-08	1.25E-09	4.13E-09	2.85E-10	5.67E-09
8236	470762.56	3819588.53	1.46E-08	6.13E-08	5.52E-09	8.15E-08	1.22E-08	4.51E-08	3.97E-09	6.12E-08	1.38E-09	7.90E-09	9.42E-10	1.02E-08	1.25E-09	4.14E-09	2.85E-10	5.67E-09
8237	470758.78	3819597.41	1.46E-08	6.13E-08	5.52E-09	8.14E-08	1.22E-08	4.50E-08	3.96E-09	6.12E-08	1.38E-09	7.89E-09	9.42E-10	1.02E-08	1.25E-09	4.13E-09	2.85E-10	5.67E-09
8238	470755	3819606.28	1.46E-08	6.12E-08	5.51E-09	8.13E-08	1.21E-08	4.50E-08	3.96E-09	6.11E-08	1.38E-09	7.88E-09	9.40E-10	1.02E-08	1.25E-09	4.13E-09	2.84E-10	5.66E-09
8239	470751.22	3819615.15	1.46E-08	6.11E-08	5.50E-09	8.12E-08	1.21E-08	4.49E-08	3.95E-09	6.10E-08	1.37E-09	7.87E-09	9.39E-10	1.02E-08	1.25E-09	4.12E-09	2.84E-10	5.65E-09
8240	470747.44	3819624.02	1.45E-08	6.09E-08	5.49E-09	8.09E-08	1.21E-08	4.48E-08	3.94E-09	6.08E-08	1.37E-09	7.85E-09	9.36E-10	1.02E-08	1.25E-09	4.11E-09	2.83E-10	5.64E-09
8241	470743.67	3819632.89	1.45E-08	6.07E-08	5.47E-09	8.07E-08	1.20E-08	4.46E-08	3.93E-09	6.06E-08	1.37E-09	7.82E-09	9.33E-10	1.01E-08	1.24E-09	4.09E-09	2.82E-10	5.62E-09
8242	470739.89	3819641.76	1.44E-08	6.05E-08	5.45E-09	8.04E-08	1.20E-08	4.45E-08	3.91E-09	6.04E-08	1.36E-09	7.79E-09	9.29E-10	1.01E-08	1.24E-09	4.08E-09	2.81E-10	5.60E-09
8243	470736.11	3819650.63	1.43E-08	6.03E-08	5.43E-09	8.00E-08	1.20E-08	4.43E-08	3.90E-09	6.01E-08	1.35E-09	7.76E-09	9.25E-10	1.00E-08	1.23E-09	4.06E-09	2.80E-10	5.57E-09
8244	470732.33	3819659.51	1.43E-08	6.00E-08	5.40E-09	7.97E-08	1.19E-08	4.41E-08	3.88E-09	5.98E-08	1.35E-09	7.72E-09	9.21E-10	9.99E-09	1.23E-09	4.04E-09	2.79E-10	5.55E-09
8245	470728.55	3819668.38	1.42E-08	5.97E-08	5.37E-09	7.92E-08	1.18E-08	4.38E-08	3.86E-09	5.95E-08	1.34E-09	7.68E-09	9.16E-10	9.94E-09	1.22E-09	4.02E-09	2.77E-10	5.52E-09
8246	470477.68	3819908.49	1.55E-08	6.53E-08	5.88E-09	8.67E-08	1.29E-08	4.80E-08	4.22E-09	6.51E-08	1.47E-09	8.40E-09	1.00E-09	1.09E-08	1.33E-09	4.40E-09	3.03E-10	6.04E-09
8247	470468.73	3819912.07	1.58E-08	6.63E-08	5.97E-09	8.80E-08	1.31E-08	4.87E-08	4.29E-09	6.61E-08	1.49E-09	8.53E-09	1.02E-09	1.10E-08	1.36E-09	4.47E-09	3.08E-10	6.13E-09
8248	470459.77	3819915.65	1.60E-08	6.73E-08	6.06E-09	8.94E-08	1.34E-08	4.95E-08	4.35E-09	6.72E-08	1.51E-09	8.66E-09	1.03E-09	1.12E-08	1.38E-09	4.54E-09	3.13E-10	6.23E-09
8249	470450.82	3819919.22	1.63E-08	6.83E-08	6.15E-09	9.08E-08	1.36E-08	5.02E-08	4.42E-09	6.82E-08	1.54E-09	8.80E-09	1.05E-09	1.14E-08	1.40E-09	4.61E-09	3.18E-10	6.32E-09
8250	470441.87	3819922.8	1.65E-08	6.94E-08	6.25E-09	9.21E-08	1.38E-08	5.10E-08	4.48E-09	6.92E-08	1.56E-09	8.93E-09	1.07E-09	1.16E-08	1.42E-09	4.68E-09	3.22E-10	6.42E-09
8251	470432.91	3819926.38	1.68E-08	7.04E-08	6.34E-09	9.35E-08	1.40E-08	5.17E-08	4.55E-09	7.02E-08	1.58E-09	9.06E-09	1.08E-09	1.17E-08	1.44E-09	4.75E-09	3.27E-10	6.51E-09
8252	470423.96	3819929.96	1.70E-08	7.14E-08	6.43E-09	9.49E-08	1.42E-08	5.25E-08	4.62E-09	7.13E-08	1.61E-09	9.19E-09	1.10E-09	1.19E-08	1.46E-09	4.81E-09	3.32E-10	6.61E-09
8253	470415	3819933.54	1.72E-08	7.24E-08	6.52E-09	9.62E-08	1.44E-08	5.32E-08	4.68E-09	7.23E-08	1.63E-09	9.32E-09	1.11E-09	1.21E-08	1.48E-09	4.88E-09	3.37E-10	6.70E-09
8254	470406.05	3819937.11	1.75E-08	7.34E-08	6.61E-09	9.75E-08	1.46E-08	5.39E-08	4.75E-09	7.32E-08	1.65E-09	9.45E-09	1.13E-09	1.22E-08	1.50E-09	4.95E-09	3.41E-10	6.79E-09
8255	470397.09	3819940.69	1.77E-08	7.43E-08	6.70E-09	9.87E-08	1.47E-08	5.46E-08	4.81E-09	7.42E-08	1.67E-09	9.57E-09	1.14E-09	1.24E-08	1.52E-09	5.01E-09	3.45E-10	6.88E-09
8256	470388.14	3819944.27	1.79E-08	7.52E-08	6.78E-09	9.99E-08	1.49E-08	5.53E-08	4.86E-09	7.51E-08	1.69E-09	9.68E-09	1.16E-09	1.25E-08	1.54E-09	5.07E-09	3.50E-10	6.96E-09
8257	470379.18	3819947.85	1.81E-08	7.61E-08	6.85E-09	1.01E-07	1.51E-08	5.59E-08	4.92E-09	7.59E-08	1.71E-09	9.79E-09	1.17E-09	1.27E-08	1.56E-09	5.13E-09	3.54E-10	7.04E-09
8258	470370.23	3819951.42	1.83E-08	7.69E-08	6.93E-09	1.02E-07	1.53E-08	5.65E-08	4.97E-09	7.68E-08	1.73E-09	9.90E-09	1.18E-09	1.28E-08	1.57E-09	5.19E-09	3.58E-10	7.12E-09

8259	470361.28	3819955	1.85E-08	7.78E-08	7.00E-09	1.03E-07	1.54E-08	5.71E-08	5.03E-09	7.76E-08	1.75E-09	1.00E-08	1.19E-09	1.30E-08	1.59E-09	5.24E-09	3.61E-10	7.19E-09
8260	470352.32	3819958.58	1.87E-08	7.85E-08	7.07E-09	1.04E-07	1.56E-08	5.77E-08	5.08E-09	7.84E-08	1.77E-09	1.01E-08	1.21E-09	1.31E-08	1.61E-09	5.29E-09	3.65E-10	7.26E-09
8261	470343.37	3819962.16	1.89E-08	7.93E-08	7.14E-09	1.05E-07	1.57E-08	5.82E-08	5.12E-09	7.91E-08	1.78E-09	1.02E-08	1.22E-09	1.32E-08	1.62E-09	5.34E-09	3.68E-10	7.33E-09
8262	470334.41	3819965.73	1.90E-08	7.99E-08	7.20E-09	1.06E-07	1.59E-08	5.87E-08	5.17E-09	7.98E-08	1.80E-09	1.03E-08	1.23E-09	1.33E-08	1.63E-09	5.39E-09	3.71E-10	7.39E-09
8263	470325.46	3819969.31	1.92E-08	8.06E-08	7.26E-09	1.07E-07	1.60E-08	5.92E-08	5.21E-09	8.04E-08	1.81E-09	1.04E-08	1.24E-09	1.34E-08	1.65E-09	5.43E-09	3.74E-10	7.45E-09
8264	470316.5	3819972.89	1.93E-08	8.12E-08	7.31E-09	1.08E-07	1.61E-08	5.97E-08	5.25E-09	8.10E-08	1.83E-09	1.05E-08	1.25E-09	1.35E-08	1.66E-09	5.47E-09	3.77E-10	7.51E-09
8265	470307.55	3819976.47	1.95E-08	8.18E-08	7.36E-09	1.09E-07	1.62E-08	6.01E-08	5.28E-09	8.16E-08	1.84E-09	1.05E-08	1.26E-09	1.36E-08	1.67E-09	5.51E-09	3.80E-10	7.56E-09
8266	470819.23	3819455.46	1.34E-08	5.62E-08	5.06E-09	7.47E-08	1.12E-08	4.13E-08	3.64E-09	5.61E-08	1.26E-09	7.24E-09	8.64E-10	9.37E-09	1.15E-09	3.79E-09	2.61E-10	5.20E-09
8267	470819.31	3819445.81	1.34E-08	5.62E-08	5.06E-09	7.47E-08	1.11E-08	4.13E-08	3.63E-09	5.61E-08	1.26E-09	7.24E-09	8.63E-10	9.36E-09	1.15E-09	3.79E-09	2.61E-10	5.20E-09
8268	470819.4	3819436.16	1.34E-08	5.61E-08	5.05E-09	7.45E-08	1.11E-08	4.12E-08	3.63E-09	5.60E-08	1.26E-09	7.22E-09	8.62E-10	9.35E-09	1.15E-09	3.78E-09	2.61E-10	5.19E-09
8269	470819.48	3819426.52	1.33E-08	5.60E-08	5.04E-09	7.43E-08	1.11E-08	4.11E-08	3.62E-09	5.59E-08	1.26E-09	7.21E-09	8.60E-10	9.32E-09	1.14E-09	3.77E-09	2.60E-10	5.18E-09
8270	470819.56	3819416.87	1.33E-08	5.58E-08	5.02E-09	7.41E-08	1.11E-08	4.10E-08	3.61E-09	5.57E-08	1.25E-09	7.18E-09	8.57E-10	9.29E-09	1.14E-09	3.76E-09	2.59E-10	5.16E-09
8271	470819.64	3819407.22	1.32E-08	5.55E-08	5.00E-09	7.37E-08	1.10E-08	4.08E-08	3.59E-09	5.54E-08	1.25E-09	7.15E-09	8.53E-10	9.25E-09	1.13E-09	3.74E-09	2.58E-10	5.14E-09
8272	470819.73	3819397.57	1.31E-08	5.52E-08	4.97E-09	7.33E-08	1.09E-08	4.06E-08	3.57E-09	5.51E-08	1.24E-09	7.11E-09	8.48E-10	9.19E-09	1.13E-09	3.72E-09	2.56E-10	5.11E-09
8273	470819.81	3819387.92	1.31E-08	5.48E-08	4.94E-09	7.28E-08	1.09E-08	4.03E-08	3.54E-09	5.47E-08	1.23E-09	7.06E-09	8.42E-10	9.13E-09	1.12E-09	3.69E-09	2.55E-10	5.07E-09
8274	470819.89	3819378.27	1.29E-08	5.44E-08	4.90E-09	7.22E-08	1.08E-08	4.00E-08	3.51E-09	5.43E-08	1.22E-09	7.00E-09	8.35E-10	9.06E-09	1.11E-09	3.66E-09	2.53E-10	5.03E-09
8275	470819.97	3819368.63	1.28E-08	5.39E-08	4.85E-09	7.15E-08	1.07E-08	3.96E-08	3.48E-09	5.37E-08	1.21E-09	6.93E-09	8.27E-10	8.97E-09	1.10E-09	3.63E-09	2.50E-10	4.98E-09
8276	470820.06	3819358.98	1.27E-08	5.33E-08	4.80E-09	7.08E-08	1.06E-08	3.92E-08	3.44E-09	5.32E-08	1.20E-09	6.86E-09	8.19E-10	8.88E-09	1.09E-09	3.59E-09	2.48E-10	4.93E-09
8277	470820.14	3819349.33	1.25E-08	5.27E-08	4.74E-09	6.99E-08	1.04E-08	3.87E-08	3.40E-09	5.25E-08	1.18E-09	6.78E-09	8.09E-10	8.77E-09	1.08E-09	3.55E-09	2.45E-10	4.87E-09
8278	470820.22	3819339.68	1.24E-08	5.20E-08	4.68E-09	6.90E-08	1.03E-08	3.82E-08	3.36E-09	5.19E-08	1.17E-09	6.69E-09	7.98E-10	8.66E-09	1.06E-09	3.50E-09	2.42E-10	4.81E-09
8279	470820.31	3819330.03	1.22E-08	5.12E-08	4.61E-09	6.80E-08	1.02E-08	3.76E-08	3.31E-09	5.11E-08	1.15E-09	6.60E-09	7.87E-10	8.53E-09	1.05E-09	3.45E-09	2.38E-10	4.74E-09
8280	470820.39	3819320.39	1.20E-08	5.04E-08	4.54E-09	6.70E-08	1.00E-08	3.71E-08	3.26E-09	5.03E-08	1.13E-09	6.49E-09	7.75E-10	8.40E-09	1.03E-09	3.40E-09	2.34E-10	4.66E-09
8281	470820.47	3819310.74	1.18E-08	4.96E-08	4.46E-09	6.58E-08	9.83E-09	3.64E-08	3.20E-09	4.95E-08	1.11E-09	6.38E-09	7.61E-10	8.26E-09	1.01E-09	3.34E-09	2.30E-10	4.59E-09
8282	470820.55	3819301.09	1.16E-08	4.87E-08	4.38E-09	6.46E-08	9.65E-09	3.58E-08	3.15E-09	4.86E-08	1.09E-09	6.26E-09	7.47E-10	8.11E-09	9.95E-10	3.28E-09	2.26E-10	4.50E-09
8283	470820.64	3819291.44	1.14E-08	4.77E-08	4.30E-09	6.34E-08	9.46E-09	3.51E-08	3.08E-09	4.76E-08	1.07E-09	6.14E-09	7.33E-10	7.95E-09	9.75E-10	3.22E-09	2.22E-10	4.41E-09
8284	470820.72	3819281.79	1.11E-08	4.67E-08	4.21E-09	6.20E-08	9.26E-09	3.43E-08	3.02E-09	4.66E-08	1.05E-09	6.01E-09	7.17E-10	7.78E-09	9.55E-10	3.15E-09	2.17E-10	4.32E-09
8285	470820.8	3819272.14	1.09E-08	4.57E-08	4.11E-09	6.07E-08	9.06E-09	3.36E-08	2.95E-09	4.56E-08	1.03E-09	5.88E-09	7.01E-10	7.61E-09	9.33E-10	3.08E-09	2.12E-10	4.22E-09
8286	470820.88	3819262.5	1.06E-08	4.46E-08	4.02E-09	5.92E-08	8.84E-09	3.28E-08	2.88E-09	4.45E-08	1.00E-09	5.74E-09	6.85E-10	7.43E-09	9.11E-10	3.01E-09	2.07E-10	4.12E-09
8287	470820.97	3819252.85	1.04E-08	4.35E-08	3.92E-09	5.77E-08	8.62E-09	3.19E-08	2.81E-09	4.34E-08	9.78E-10	5.60E-09	6.68E-10	7.24E-09	8.89E-10	2.93E-09	2.02E-10	4.02E-09
8288	470821.05	3819243.2	1.01E-08	4.23E-08	3.81E-09	5.62E-08	8.40E-09	3.11E-08	2.74E-09	4.22E-08	9.52E-10	5.45E-09	6.50E-10	7.05E-09	8.65E-10	2.85E-09	1.97E-10	3.92E-09
8289	470855.52	3819464.52	1.19E-08	5.00E-08	4.50E-09	6.64E-08	9.92E-09	3.68E-08	3.23E-09	4.99E-08	1.12E-09	6.44E-09	7.68E-10	8.33E-09	1.02E-09	3.37E-09	2.32E-10	4.63E-09
8290	470851.8	3819473.24	1.20E-08	5.06E-08	4.55E-09	6.72E-08	1.00E-08	3.72E-08	3.27E-09	5.05E-08	1.14E-09	6.51E-09	7.77E-10	8.42E-09	1.03E-09	3.41E-09	2.35E-10	4.68E-09
8291	470848.09	3819481.96	1.22E-08	5.11E-08	4.60E-09	6.78E-08	1.01E-08	3.75E-08	3.30E-09	5.10E-08	1.15E-09	6.58E-09	7.85E-10	8.51E-09	1.04E-09	3.44E-09	2.37E-10	4.72E-09
8292	470844.38	3819490.67	1.23E-08	5.16E-08	4.64E-09	6.85E-08	1.02E-08	3.79E-08	3.33E-09	5.14E-08	1.16E-09	6.64E-09	7.92E-10	8.59E-09	1.05E-09	3.48E-09	2.40E-10	4.77E-09
8293	470840.67	3819499.39	1.24E-08	5.20E-08	4.68E-09	6.91E-08	1.03E-08	3.82E-08	3.36E-09	5.19E-08	1.17E-09	6.69E-09	7.99E-10	8.66E-09	1.06E-09	3.51E-09	2.42E-10	4.81E-09
8294	470836.95	3819508.11	1.25E-08	5.24E-08	4.72E-09	6.96E-08	1.04E-08	3.85E-08	3.39E-09	5.23E-08	1.18E-09	6.75E-09	8.05E-10	8.73E-09	1.07E-09	3.53E-09	2.44E-10	4.85E-09
8295	470833.24	3819516.83	1.26E-08	5.28E-08	4.75E-09	7.01E-08	1.05E-08	3.88E-08	3.41E-09	5.27E-08	1.19E-09	6.80E-09	8.11E-10	8.79E-09	1.08E-09	3.56E-09	2.45E-10	4.88E-09
8296	470829.53	3819525.55	1.27E-08	5.31E-08	4.78E-09	7.06E-08	1.05E-08	3.90E-08	3.43E-09	5.30E-08	1.19E-09	6.84E-09	8.16E-10	8.85E-09	1.09E-09	3.58E-09	2.47E-10	4.91E-09
8297	470825.81	3819534.26	1.27E-08	5.34E-08	4.81E-09	7.10E-08	1.06E-08	3.93E-08	3.45E-09	5.33E-08	1.20E-09	6.88E-09	8.21E-10	8.90E-09	1.09E-09	3.60E-09	2.48E-10	4.94E-09
8298	470807.25	3819577.85	1.29E-08	5.44E-08	4.90E-09	7.22E-08	1.08E-08	3.99E-08	3.51E-09	5.42E-08	1.22E-09	7.00E-09	8.35E-10	9.06E-09	1.11E-09	3.66E-09	2.53E-10	5.03E-09
8299	470803.54	3819586.57	1.30E-08	5.44E-08	4.90E-09	7.23E-08	1.08E-08	4.00E-08	3.52E-09	5.43E-08	1.22E-09	7.01E-09	8.36E-10	9.07E-09	1.11E-09	3.67E-09	2.53E-10	5.03E-09
8300	470799.83	3819595.29	1.30E-08	5.45E-08	4.91E-09	7.24E-08	1.08E-08	4.00E-08	3.52E-09	5.44E-08	1.22E-09	7.01E-09	8.37E-10	9.07E-09	1.11E-09	3.67E-09	2.53E-10	5.04E-09
8301	470796.11	3819604.01	1.30E-08	5.45E-08	4.91E-09	7.24E-08	1.08E-08	4.00E-08	3.52E-09	5.44E-08	1.22E-09	7.01E-09	8.37E-10	9.07E-09	1.11E-09	3.67E-09	2.53E-10	5.04E-09
8302	470792.4	3819612.72	1.30E-08	5.44E-08	4.90E-09	7.23E-08	1.08E-08	4.00E-08	3.52E-09	5.43E-08	1.22E-09	7.01E-09	8.36E-10	9.07E-09	1.11E-09	3.67E-09	2.53E-10	5.04E-09
8303	470788.69	3819621.44	1.30E-08	5.44E-08	4.90E-09	7.22E-08	1.08E-08	4.00E-08	3.52E-09	5.43E-08	1.22E-09	7.00E-09	8.35E-10	9.06E-09	1.11E-09	3.67E-09	2.53E-10	5.03E-09
8304	470784.98	3819630.16	1.29E-08	5.43E-08	4.89E-09	7.21E-08	1.08E-08	3.99E-08	3.51E-09	5.42E-08	1.22E-09	6.99E-09	8.34E-10	9.04E-09	1.11E-09	3.66E-09	2.52E-10	5.02E-09
8305	470781.26	3819638.88	1.29E-08	5.42E-08	4.88E-09	7.19E-08	1.07E-08	3.98E-08	3.50E-09	5.40E-08	1.22E-09	6.97E-09	8.32E-10	9.02E-09	1.11E-09	3.65E-09	2.52E-10	5.01E-09
8306	470777.55	3819647.59	1.29E-08	5.40E-08	4.86E-09	7.17E-08	1.07E-08	3.97E-08	3.49E-09	5.39E-08	1.21E-09	6.95E-09	8.30E-10	9.00E-09	1.10E-09	3.64E-09	2.51E-10	5.00E-09
8307	470773.84	3819656.31	1.28E-08	5.38E-08	4.85E-09	7.15E-08	1.07E-08	3.96E-08	3.48E-09	5.37E-08	1.21E-09	6.93E-09	8.27E-10	8.97E-09	1.10E-09	3.63E-09	2.50E-10	4.98E-09
8308	470770.12	3819665.03	1.28E-08	5.36E-08	4.83E-09	7.12E-08	1.06E-08	3.94E-08	3.47E-09	5.35E-08	1.21E-09	6.90E-09	8.24E-10	8.93E-09	1.10E-09	3.62E-09	2.49E-10	4.96E-09
8309	470766.41	3819673.75	1.27E-08	5.34E-08	4.81E-09	7.09E-08	1.06E-08	3.93E-08	3.45E-09	5.33E-08	1.20E-09	6.88E-09	8.20E-10	8.90E-09	1.09E-09	3.60E-09	2.48E-10	4.94E-09

8310	470762.7	3819682.47	1.27E-08	5.32E-08	4.79E-09	7.06E-08	1.05E-08	3.91E-08	3.44E-09	5.31E-08	1.20E-09	6.85E-09	8.17E-10	8.86E-09	1.09E-09	3.58E-09	2.47E-10	4.92E-09
8311	470758.99	3819691.18	1.26E-08	5.29E-08	4.77E-09	7.03E-08	1.05E-08	3.89E-08	3.42E-09	5.28E-08	1.19E-09	6.81E-09	8.13E-10	8.81E-09	1.08E-09	3.57E-09	2.46E-10	4.89E-09
8312	470473.56	3819949.91	1.44E-08	6.04E-08	5.44E-09	8.02E-08	1.20E-08	4.44E-08	3.90E-09	6.03E-08	1.36E-09	7.77E-09	9.28E-10	1.01E-08	1.23E-09	4.07E-09	2.81E-10	5.59E-09
8313	470464.76	3819953.43	1.46E-08	6.13E-08	5.52E-09	8.14E-08	1.22E-08	4.50E-08	3.96E-09	6.11E-08	1.38E-09	7.89E-09	9.41E-10	1.02E-08	1.25E-09	4.13E-09	2.85E-10	5.67E-09
8314	470455.96	3819956.95	1.48E-08	6.21E-08	5.60E-09	8.25E-08	1.23E-08	4.57E-08	4.02E-09	6.20E-08	1.40E-09	8.00E-09	9.54E-10	1.03E-08	1.27E-09	4.19E-09	2.89E-10	5.75E-09
8315	470447.16	3819960.46	1.50E-08	6.30E-08	5.67E-09	8.37E-08	1.25E-08	4.63E-08	4.07E-09	6.29E-08	1.42E-09	8.11E-09	9.68E-10	1.05E-08	1.29E-09	4.25E-09	2.93E-10	5.83E-09
8316	470438.36	3819963.98	1.52E-08	6.39E-08	5.75E-09	8.48E-08	1.27E-08	4.69E-08	4.13E-09	6.37E-08	1.44E-09	8.22E-09	9.81E-10	1.06E-08	1.31E-09	4.30E-09	2.97E-10	5.91E-09
8317	470429.56	3819967.49	1.54E-08	6.47E-08	5.83E-09	8.59E-08	1.28E-08	4.75E-08	4.18E-09	6.46E-08	1.45E-09	8.33E-09	9.94E-10	1.08E-08	1.32E-09	4.36E-09	3.01E-10	5.98E-09
8318	470420.76	3819971.01	1.56E-08	6.55E-08	5.90E-09	8.70E-08	1.30E-08	4.82E-08	4.24E-09	6.54E-08	1.47E-09	8.44E-09	1.01E-09	1.09E-08	1.34E-09	4.42E-09	3.04E-10	6.06E-09
8319	470411.96	3819974.52	1.58E-08	6.63E-08	5.97E-09	8.81E-08	1.32E-08	4.87E-08	4.29E-09	6.62E-08	1.49E-09	8.54E-09	1.02E-09	1.11E-08	1.36E-09	4.47E-09	3.08E-10	6.14E-09
8320	470403.16	3819978.04	1.60E-08	6.71E-08	6.05E-09	8.92E-08	1.33E-08	4.93E-08	4.34E-09	6.70E-08	1.51E-09	8.64E-09	1.03E-09	1.12E-08	1.37E-09	4.52E-09	3.12E-10	6.21E-09
8321	470394.36	3819981.55	1.62E-08	6.79E-08	6.11E-09	9.02E-08	1.35E-08	4.99E-08	4.39E-09	6.77E-08	1.53E-09	8.74E-09	1.04E-09	1.13E-08	1.39E-09	4.58E-09	3.15E-10	6.28E-09
8322	470385.56	3819985.07	1.63E-08	6.86E-08	6.18E-09	9.11E-08	1.36E-08	5.04E-08	4.44E-09	6.85E-08	1.54E-09	8.83E-09	1.05E-09	1.14E-08	1.40E-09	4.63E-09	3.19E-10	6.35E-09
8323	470376.77	3819988.59	1.65E-08	6.93E-08	6.24E-09	9.21E-08	1.38E-08	5.09E-08	4.48E-09	6.92E-08	1.56E-09	8.92E-09	1.06E-09	1.15E-08	1.42E-09	4.67E-09	3.22E-10	6.41E-09
8324	470367.97	3819992.1	1.67E-08	7.00E-08	6.30E-09	9.30E-08	1.39E-08	5.14E-08	4.52E-09	6.98E-08	1.57E-09	9.01E-09	1.07E-09	1.17E-08	1.43E-09	4.72E-09	3.25E-10	6.47E-09
8325	470359.17	3819995.62	1.68E-08	7.06E-08	6.36E-09	9.38E-08	1.40E-08	5.19E-08	4.56E-09	7.05E-08	1.59E-09	9.09E-09	1.08E-09	1.18E-08	1.44E-09	4.76E-09	3.28E-10	6.53E-09
8326	470350.37	3819999.13	1.70E-08	7.12E-08	6.41E-09	9.46E-08	1.41E-08	5.23E-08	4.60E-09	7.11E-08	1.60E-09	9.17E-09	1.09E-09	1.19E-08	1.46E-09	4.80E-09	3.31E-10	6.59E-09
8327	470341.57	3820002.65	1.71E-08	7.18E-08	6.46E-09	9.53E-08	1.42E-08	5.27E-08	4.64E-09	7.16E-08	1.61E-09	9.24E-09	1.10E-09	1.20E-08	1.47E-09	4.84E-09	3.34E-10	6.64E-09
8328	470332.77	3820006.16	1.72E-08	7.23E-08	6.51E-09	9.60E-08	1.43E-08	5.31E-08	4.67E-09	7.21E-08	1.63E-09	9.31E-09	1.11E-09	1.20E-08	1.48E-09	4.87E-09	3.36E-10	6.69E-09
8329	470323.97	3820009.68	1.73E-08	7.28E-08	6.56E-09	9.67E-08	1.44E-08	5.35E-08	4.71E-09	7.26E-08	1.64E-09	9.37E-09	1.12E-09	1.21E-08	1.49E-09	4.91E-09	3.38E-10	6.73E-09
8330	470315.17	3820013.2	1.74E-08	7.32E-08	6.60E-09	9.73E-08	1.45E-08	5.38E-08	4.73E-09	7.31E-08	1.65E-09	9.43E-09	1.12E-09	1.22E-08	1.50E-09	4.94E-09	3.40E-10	6.77E-09
8331	470859.23	3819455.8	1.18E-08	4.94E-08	4.45E-09	6.57E-08	9.81E-09	3.63E-08	3.20E-09	4.93E-08	1.11E-09	6.36E-09	7.59E-10	8.24E-09	1.01E-09	3.33E-09	2.30E-10	4.57E-09
8332	470859.31	3819446.15	1.18E-08	4.94E-08	4.45E-09	6.56E-08	9.80E-09	3.63E-08	3.19E-09	4.93E-08	1.11E-09	6.36E-09	7.59E-10	8.23E-09	1.01E-09	3.33E-09	2.29E-10	4.57E-09
8333	470859.39	3819436.51	1.17E-08	4.93E-08	4.44E-09	6.55E-08	9.78E-09	3.62E-08	3.19E-09	4.92E-08	1.11E-09	6.35E-09	7.57E-10	8.21E-09	1.01E-09	3.32E-09	2.29E-10	4.56E-09
8334	470859.48	3819426.86	1.17E-08	4.92E-08	4.43E-09	6.53E-08	9.75E-09	3.61E-08	3.18E-09	4.90E-08	1.11E-09	6.33E-09	7.55E-10	8.19E-09	1.00E-09	3.31E-09	2.28E-10	4.55E-09
8335	470859.56	3819417.21	1.17E-08	4.90E-08	4.41E-09	6.50E-08	9.71E-09	3.60E-08	3.17E-09	4.89E-08	1.10E-09	6.30E-09	7.52E-10	8.16E-09	1.00E-09	3.30E-09	2.28E-10	4.53E-09
8336	470859.64	3819407.56	1.16E-08	4.87E-08	4.39E-09	6.47E-08	9.67E-09	3.58E-08	3.15E-09	4.86E-08	1.10E-09	6.27E-09	7.49E-10	8.12E-09	9.96E-10	3.28E-09	2.26E-10	4.51E-09
8337	470859.73	3819397.91	1.15E-08	4.84E-08	4.36E-09	6.43E-08	9.61E-09	3.56E-08	3.13E-09	4.83E-08	1.09E-09	6.24E-09	7.44E-10	8.07E-09	9.90E-10	3.27E-09	2.25E-10	4.48E-09
8338	470859.81	3819388.27	1.15E-08	4.81E-08	4.33E-09	6.39E-08	9.54E-09	3.54E-08	3.11E-09	4.80E-08	1.08E-09	6.19E-09	7.39E-10	8.01E-09	9.83E-10	3.24E-09	2.24E-10	4.45E-09
8339	470859.89	3819378.62	1.14E-08	4.77E-08	4.30E-09	6.34E-08	9.47E-09	3.51E-08	3.09E-09	4.76E-08	1.07E-09	6.14E-09	7.33E-10	7.95E-09	9.76E-10	3.22E-09	2.22E-10	4.41E-09
8340	470859.97	3819368.97	1.13E-08	4.73E-08	4.26E-09	6.28E-08	9.38E-09	3.48E-08	3.06E-09	4.72E-08	1.06E-09	6.09E-09	7.26E-10	7.88E-09	9.67E-10	3.19E-09	2.20E-10	4.37E-09
8341	470860.06	3819359.32	1.12E-08	4.68E-08	4.22E-09	6.22E-08	9.29E-09	3.44E-08	3.03E-09	4.67E-08	1.05E-09	6.03E-09	7.19E-10	7.80E-09	9.57E-10	3.16E-09	2.18E-10	4.33E-09
8342	470860.14	3819349.67	1.10E-08	4.63E-08	4.17E-09	6.15E-08	9.18E-09	3.40E-08	2.99E-09	4.62E-08	1.04E-09	5.96E-09	7.11E-10	7.71E-09	9.46E-10	3.12E-09	2.15E-10	4.28E-09
8343	470860.22	3819340.02	1.09E-08	4.57E-08	4.12E-09	6.07E-08	9.07E-09	3.36E-08	2.96E-09	4.56E-08	1.03E-09	5.89E-09	7.02E-10	7.62E-09	9.35E-10	3.08E-09	2.12E-10	4.23E-09
8344	470860.3	3819330.38	1.07E-08	4.51E-08	4.06E-09	5.99E-08	8.95E-09	3.31E-08	2.92E-09	4.50E-08	1.01E-09	5.81E-09	6.93E-10	7.51E-09	9.22E-10	3.04E-09	2.10E-10	4.17E-09
8345	470860.39	3819320.73	1.06E-08	4.44E-08	4.00E-09	5.90E-08	8.82E-09	3.27E-08	2.87E-09	4.43E-08	9.99E-10	5.72E-09	6.83E-10	7.40E-09	9.09E-10	3.00E-09	2.07E-10	4.11E-09
8346	470860.47	3819311.08	1.04E-08	4.37E-08	3.94E-09	5.81E-08	8.68E-09	3.21E-08	2.83E-09	4.36E-08	9.84E-10	5.63E-09	6.72E-10	7.29E-09	8.94E-10	2.95E-09	2.03E-10	4.05E-09
8347	470860.55	3819301.43	1.02E-08	4.30E-08	3.87E-09	5.71E-08	8.53E-09	3.16E-08	2.78E-09	4.29E-08	9.67E-10	5.53E-09	6.60E-10	7.16E-09	8.79E-10	2.90E-09	2.00E-10	3.98E-09
8348	470860.64	3819291.78	1.00E-08	4.22E-08	3.80E-09	5.61E-08	8.37E-09	3.10E-08	2.73E-09	4.21E-08	9.49E-10	5.43E-09	6.48E-10	7.03E-09	8.63E-10	2.84E-09	1.96E-10	3.90E-09
8349	470860.72	3819282.14	9.85E-09	4.14E-08	3.73E-09	5.50E-08	8.21E-09	3.04E-08	2.67E-09	4.13E-08	9.30E-10	5.33E-09	6.36E-10	6.89E-09	8.46E-10	2.79E-09	1.92E-10	3.83E-09
8350	470860.8	3819272.49	9.65E-09	4.05E-08	3.65E-09	5.38E-08	8.04E-09	2.98E-08	2.62E-09	4.04E-08	9.11E-10	5.22E-09	6.22E-10	6.75E-09	8.28E-10	2.73E-09	1.88E-10	3.75E-09
8351	470860.88	3819262.84	9.44E-09	3.96E-08	3.57E-09	5.26E-08	7.86E-09	2.91E-08	2.56E-09	3.95E-08	8.91E-10	5.10E-09	6.09E-10	6.60E-09	8.10E-10	2.67E-09	1.84E-10	3.67E-09
8352	470860.97	3819253.19	9.22E-09	3.87E-08	3.49E-09	5.14E-08	7.68E-09	2.84E-08	2.50E-09	3.86E-08	8.70E-10	4.98E-09	5.94E-10	6.45E-09	7.91E-10	2.61E-09	1.80E-10	3.58E-09
8353	470861.05	3819243.54	8.99E-09	3.78E-08	3.40E-09	5.02E-08	7.49E-09	2.77E-08	2.44E-09	3.77E-08	8.49E-10	4.86E-09	5.80E-10	6.29E-09	7.72E-10	2.55E-09	1.75E-10	3.49E-09
8354	470895.5	3819464.91	1.05E-08	4.43E-08	3.99E-09	5.88E-08	8.78E-09	3.25E-08	2.86E-09	4.42E-08	9.96E-10	5.70E-09	6.80E-10	7.38E-09	9.05E-10	2.99E-09	2.06E-10	4.10E-09
8355	470891.77	3819473.67	1.07E-08	4.48E-08	4.03E-09	5.95E-08	8.88E-09	3.29E-08	2.89E-09	4.47E-08	1.01E-09	5.76E-09	6.88E-10	7.46E-09	9.15E-10	3.02E-09	2.08E-10	4.14E-09
8356	470888.04	3819482.43	1.08E-08	4.52E-08	4.07E-09	6.01E-08	8.97E-09	3.32E-08	2.92E-09	4.51E-08	1.02E-09	5.82E-09	6.95E-10	7.53E-09	9.25E-10	3.05E-09	2.10E-10	4.18E-09
8357	470884.3	3819491.19	1.09E-08	4.57E-08	4.11E-09	6.06E-08	9.06E-09	3.36E-08	2.95E-09	4.56E-08	1.03E-09	5.88E-09	7.01E-10	7.61E-09	9.33E-10	3.08E-09	2.12E-10	4.22E-09
8358	470880.57	3819499.95	1.10E-08	4.61E-08	4.15E-09	6.12E-08	9.14E-09	3.39E-08	2.98E-09	4.60E-08	1.04E-09	5.93E-09	7.08E-10	7.67E-09	9.42E-10	3.11E-09	2.14E-10	4.26E-09
8359	470876.84	3819508.71	1.11E-08	4.65E-08	4.18E-09	6.17E-08	9.21E-09	3.41E-08	3.00E-09	4.63E-08	1.04E-09	5.98E-09	7.13E-10	7.74E-09	9.50E-10	3.13E-09	2.16E-10	4.30E-09
8360	470873.11	3819517.46	1.11E-08	4.68E-08	4.21E-09	6.22E-08	9.28E-09	3.44E-08	3.03E-09	4.67E-08	1.05E-09	6.03E-09	7.19E-10	7.80E-09	9.57E-10	3.15E-09	2.17E-10	4.33E-09

8361	470869.38	3819526.22	1.12E-08	4.71E-08	4.24E-09	6.26E-08	9.35E-09	3.46E-08	3.05E-09	4.70E-08	1.06E-09	6.07E-09	7.24E-10	7.85E-09	9.63E-10	3.18E-09	2.19E-10	4.36E-09
8362	470865.65	3819534.98	1.13E-08	4.74E-08	4.27E-09	6.30E-08	9.41E-09	3.48E-08	3.07E-09	4.73E-08	1.07E-09	6.10E-09	7.28E-10	7.90E-09	9.69E-10	3.20E-09	2.20E-10	4.39E-09
8363	470861.92	3819543.74	1.14E-08	4.77E-08	4.29E-09	6.33E-08	9.46E-09	3.50E-08	3.08E-09	4.76E-08	1.07E-09	6.14E-09	7.32E-10	7.94E-09	9.75E-10	3.21E-09	2.22E-10	4.41E-09
8364	470858.19	3819552.5	1.14E-08	4.79E-08	4.32E-09	6.37E-08	9.51E-09	3.52E-08	3.10E-09	4.78E-08	1.08E-09	6.17E-09	7.36E-10	7.98E-09	9.80E-10	3.23E-09	2.23E-10	4.43E-09
8365	470854.46	3819561.26	1.15E-08	4.81E-08	4.33E-09	6.39E-08	9.55E-09	3.54E-08	3.11E-09	4.80E-08	1.08E-09	6.20E-09	7.39E-10	8.02E-09	9.84E-10	3.24E-09	2.24E-10	4.45E-09
8366	470850.73	3819570.02	1.15E-08	4.83E-08	4.35E-09	6.41E-08	9.58E-09	3.55E-08	3.12E-09	4.82E-08	1.09E-09	6.22E-09	7.42E-10	8.05E-09	9.87E-10	3.26E-09	2.24E-10	4.47E-09
8367	470835.81	3819605.06	1.16E-08	4.87E-08	4.38E-09	6.47E-08	9.66E-09	3.58E-08	3.15E-09	4.86E-08	1.09E-09	6.27E-09	7.48E-10	8.11E-09	9.95E-10	3.28E-09	2.26E-10	4.50E-09
8368	470832.08	3819613.82	1.16E-08	4.87E-08	4.39E-09	6.47E-08	9.66E-09	3.58E-08	3.15E-09	4.86E-08	1.10E-09	6.27E-09	7.48E-10	8.11E-09	9.95E-10	3.28E-09	2.26E-10	4.50E-09
8369	470828.35	3819622.58	1.16E-08	4.87E-08	4.39E-09	6.47E-08	9.66E-09	3.58E-08	3.15E-09	4.86E-08	1.09E-09	6.27E-09	7.48E-10	8.11E-09	9.95E-10	3.28E-09	2.26E-10	4.50E-09
8370	470824.62	3819631.34	1.16E-08	4.87E-08	4.38E-09	6.46E-08	9.65E-09	3.58E-08	3.15E-09	4.86E-08	1.09E-09	6.26E-09	7.47E-10	8.11E-09	9.95E-10	3.28E-09	2.26E-10	4.50E-09
8371	470820.88	3819640.1	1.16E-08	4.86E-08	4.38E-09	6.46E-08	9.64E-09	3.57E-08	3.14E-09	4.85E-08	1.09E-09	6.26E-09	7.46E-10	8.10E-09	9.94E-10	3.28E-09	2.26E-10	4.50E-09
8372	470817.15	3819648.86	1.16E-08	4.85E-08	4.37E-09	6.44E-08	9.62E-09	3.57E-08	3.14E-09	4.84E-08	1.09E-09	6.25E-09	7.45E-10	8.08E-09	9.92E-10	3.27E-09	2.25E-10	4.49E-09
8373	470813.42	3819657.62	1.15E-08	4.84E-08	4.36E-09	6.43E-08	9.60E-09	3.56E-08	3.13E-09	4.83E-08	1.09E-09	6.23E-09	7.44E-10	8.06E-09	9.90E-10	3.26E-09	2.25E-10	4.48E-09
8374	470809.69	3819666.38	1.15E-08	4.83E-08	4.35E-09	6.41E-08	9.58E-09	3.55E-08	3.12E-09	4.82E-08	1.09E-09	6.22E-09	7.42E-10	8.04E-09	9.87E-10	3.25E-09	2.24E-10	4.47E-09
8375	470805.96	3819675.14	1.15E-08	4.81E-08	4.34E-09	6.39E-08	9.55E-09	3.54E-08	3.11E-09	4.80E-08	1.08E-09	6.20E-09	7.39E-10	8.02E-09	9.84E-10	3.24E-09	2.24E-10	4.45E-09
8376	470802.23	3819683.9	1.14E-08	4.80E-08	4.32E-09	6.37E-08	9.52E-09	3.53E-08	3.10E-09	4.79E-08	1.08E-09	6.18E-09	7.37E-10	7.99E-09	9.81E-10	3.23E-09	2.23E-10	4.44E-09
8377	470798.5	3819692.66	1.14E-08	4.78E-08	4.30E-09	6.35E-08	9.48E-09	3.51E-08	3.09E-09	4.77E-08	1.07E-09	6.15E-09	7.34E-10	7.96E-09	9.77E-10	3.22E-09	2.22E-10	4.42E-09
8378	470794.77	3819701.42	1.13E-08	4.76E-08	4.29E-09	6.32E-08	9.44E-09	3.50E-08	3.08E-09	4.75E-08	1.07E-09	6.13E-09	7.31E-10	7.93E-09	9.73E-10	3.21E-09	2.21E-10	4.40E-09
8379	470791.04	3819710.18	1.13E-08	4.74E-08	4.27E-09	6.29E-08	9.40E-09	3.48E-08	3.06E-09	4.73E-08	1.07E-09	6.10E-09	7.28E-10	7.89E-09	9.69E-10	3.19E-09	2.20E-10	4.38E-09
8380	470473.98	3819989.52	1.33E-08	5.56E-08	5.01E-09	7.39E-08	1.10E-08	4.09E-08	3.60E-09	5.55E-08	1.25E-09	7.16E-09	8.55E-10	9.27E-09	1.14E-09	3.75E-09	2.59E-10	5.15E-09
8381	470465.13	3819993.05	1.34E-08	5.64E-08	5.08E-09	7.49E-08	1.12E-08	4.15E-08	3.65E-09	5.63E-08	1.27E-09	7.26E-09	8.66E-10	9.40E-09	1.15E-09	3.80E-09	2.62E-10	5.22E-09
8382	470456.29	3819996.59	1.36E-08	5.72E-08	5.15E-09	7.59E-08	1.13E-08	4.20E-08	3.70E-09	5.70E-08	1.29E-09	7.36E-09	8.78E-10	9.52E-09	1.17E-09	3.85E-09	2.66E-10	5.29E-09
8383	470447.45	3820000.12	1.38E-08	5.79E-08	5.22E-09	7.69E-08	1.15E-08	4.26E-08	3.74E-09	5.78E-08	1.30E-09	7.46E-09	8.90E-10	9.65E-09	1.18E-09	3.90E-09	2.69E-10	5.36E-09
8384	470438.61	3820003.65	1.40E-08	5.87E-08	5.28E-09	7.79E-08	1.16E-08	4.31E-08	3.79E-09	5.86E-08	1.32E-09	7.55E-09	9.01E-10	9.77E-09	1.20E-09	3.96E-09	2.73E-10	5.43E-09
8385	470429.77	3820007.18	1.41E-08	5.94E-08	5.35E-09	7.89E-08	1.18E-08	4.37E-08	3.84E-09	5.93E-08	1.34E-09	7.65E-09	9.12E-10	9.90E-09	1.21E-09	4.00E-09	2.76E-10	5.49E-09
8386	470305.99	3820056.64	1.59E-08	6.67E-08	6.00E-09	8.85E-08	1.32E-08	4.90E-08	4.31E-09	6.65E-08	1.50E-09	8.58E-09	1.02E-09	1.11E-08	1.36E-09	4.49E-09	3.10E-10	6.17E-09
8387	470899.23	3819456.15	1.04E-08	4.38E-08	3.94E-09	5.81E-08	8.68E-09	3.22E-08	2.83E-09	4.37E-08	9.84E-10	5.64E-09	6.72E-10	7.29E-09	8.95E-10	2.95E-09	2.03E-10	4.05E-09
8388	470899.31	3819446.5	1.04E-08	4.37E-08	3.94E-09	5.81E-08	8.67E-09	3.21E-08	2.83E-09	4.36E-08	9.83E-10	5.63E-09	6.71E-10	7.28E-09	8.94E-10	2.95E-09	2.03E-10	4.04E-09
8389	470899.39	3819436.85	1.04E-08	4.36E-08	3.93E-09	5.79E-08	8.65E-09	3.20E-08	2.82E-09	4.35E-08	9.81E-10	5.61E-09	6.70E-10	7.26E-09	8.92E-10	2.94E-09	2.03E-10	4.03E-09
8390	470899.48	3819427.2	1.04E-08	4.35E-08	3.92E-09	5.77E-08	8.62E-09	3.19E-08	2.81E-09	4.34E-08	9.78E-10	5.60E-09	6.68E-10	7.24E-09	8.89E-10	2.93E-09	2.02E-10	4.02E-09
8391	470899.56	3819417.55	1.03E-08	4.33E-08	3.90E-09	5.75E-08	8.59E-09	3.18E-08	2.80E-09	4.32E-08	9.74E-10	5.57E-09	6.65E-10	7.21E-09	8.85E-10	2.92E-09	2.01E-10	4.01E-09
8392	470899.64	3819407.91	1.03E-08	4.31E-08	3.88E-09	5.72E-08	8.55E-09	3.17E-08	2.79E-09	4.30E-08	9.69E-10	5.55E-09	6.62E-10	7.18E-09	8.81E-10	2.90E-09	2.00E-10	3.99E-09
8393	470899.72	3819398.26	1.02E-08	4.28E-08	3.86E-09	5.69E-08	8.50E-09	3.15E-08	2.77E-09	4.28E-08	9.63E-10	5.52E-09	6.58E-10	7.14E-09	8.76E-10	2.89E-09	1.99E-10	3.96E-09
8394	470899.81	3819388.61	1.01E-08	4.26E-08	3.83E-09	5.65E-08	8.44E-09	3.13E-08	2.75E-09	4.25E-08	9.57E-10	5.48E-09	6.54E-10	7.09E-09	8.70E-10	2.87E-09	1.98E-10	3.94E-09
8395	470899.89	3819378.96	1.01E-08	4.22E-08	3.80E-09	5.61E-08	8.37E-09	3.10E-08	2.73E-09	4.21E-08	9.49E-10	5.44E-09	6.49E-10	7.03E-09	8.63E-10	2.85E-09	1.96E-10	3.91E-09
8396	470899.97	3819369.31	9.97E-09	4.19E-08	3.77E-09	5.56E-08	8.30E-09	3.08E-08	2.71E-09	4.18E-08	9.41E-10	5.39E-09	6.43E-10	6.97E-09	8.56E-10	2.82E-09	1.94E-10	3.87E-09
8397	470900.05	3819359.66	9.87E-09	4.15E-08	3.73E-09	5.51E-08	8.22E-09	3.05E-08	2.68E-09	4.14E-08	9.32E-10	5.34E-09	6.37E-10	6.91E-09	8.47E-10	2.79E-09	1.93E-10	3.83E-09
8398	470900.14	3819350.02	9.77E-09	4.10E-08	3.69E-09	5.45E-08	8.13E-09	3.01E-08	2.65E-09	4.09E-08	9.22E-10	5.28E-09	6.30E-10	6.83E-09	8.38E-10	2.76E-09	1.91E-10	3.79E-09
8399	470900.22	3819340.37	9.65E-09	4.05E-08	3.65E-09	5.38E-08	8.04E-09	2.98E-08	2.62E-09	4.04E-08	9.11E-10	5.22E-09	6.23E-10	6.75E-09	8.29E-10	2.73E-09	1.88E-10	3.75E-09
8400	470900.3	3819330.72	9.53E-09	4.00E-08	3.60E-09	5.31E-08	7.94E-09	2.94E-08	2.59E-09	3.99E-08	9.00E-10	5.15E-09	6.15E-10	6.67E-09	8.18E-10	2.70E-09	1.86E-10	3.70E-09
8401	470900.39	3819321.07	9.40E-09	3.95E-08	3.55E-09	5.24E-08	7.83E-09	2.90E-08	2.55E-09	3.94E-08	8.87E-10	5.08E-09	6.06E-10	6.57E-09	8.07E-10	2.66E-09	1.83E-10	3.65E-09
8402	470900.47	3819311.42	9.26E-09	3.89E-08	3.50E-09	5.16E-08	7.71E-09	2.86E-08	2.51E-09	3.88E-08	8.74E-10	5.00E-09	5.97E-10	6.48E-09	7.95E-10	2.62E-09	1.81E-10	3.60E-09
8403	470900.55	3819301.78	9.11E-09	3.82E-08	3.44E-09	5.08E-08	7.59E-09	2.81E-08	2.47E-09	3.82E-08	8.60E-10	4.92E-09	5.87E-10	6.37E-09	7.82E-10	2.58E-09	1.78E-10	3.54E-09
8404	470900.63	3819292.13	8.95E-09	3.76E-08	3.39E-09	4.99E-08	7.46E-09	2.76E-08	2.43E-09	3.75E-08	8.45E-10	4.84E-09	5.77E-10	6.26E-09	7.68E-10	2.53E-09	1.75E-10	3.48E-09
8405	470900.72	3819282.48	8.79E-09	3.69E-08	3.32E-09	4.90E-08	7.32E-09	2.71E-08	2.39E-09	3.68E-08	8.30E-10	4.75E-09	5.67E-10	6.15E-09	7.54E-10	2.49E-09	1.71E-10	3.41E-09
8406	470900.8	3819272.83	8.62E-09	3.62E-08	3.26E-09	4.81E-08	7.18E-09	2.66E-08	2.34E-09	3.61E-08	8.14E-10	4.66E-09	5.56E-10	6.03E-09	7.40E-10	2.44E-09	1.68E-10	3.35E-09
8407	470900.88	3819263.18	8.44E-09	3.54E-08	3.19E-09	4.71E-08	7.03E-09	2.60E-08	2.29E-09	3.54E-08	7.97E-10	4.56E-09	5.44E-10	5.90E-09	7.24E-10	2.39E-09	1.65E-10	3.28E-09
8408	470900.96	3819253.53	8.26E-09	3.47E-08	3.12E-09	4.60E-08	6.88E-09	2.55E-08	2.24E-09	3.46E-08	7.80E-10	4.46E-09	5.33E-10	5.78E-09	7.09E-10	2.34E-09	1.61E-10	3.21E-09
8409	470901.05	3819243.89	8.07E-09	3.39E-08	3.05E-09	4.50E-08	6.72E-09	2.49E-08	2.19E-09	3.38E-08	7.62E-10	4.36E-09	5.20E-10	5.64E-09	6.93E-10	2.28E-09	1.57E-10	3.13E-09
8410	470935.48	3819465.29	9.40E-09	3.95E-08	3.55E-09	5.24E-08	7.83E-09	2.90E-08	2.55E-09	3.94E-08	8.87E-10	5.08E-09	6.06E-10	6.57E-09	8.07E-10	2.66E-09	1.83E-10	3.65E-09
8411	470931.73	3819474.08	9.50E-09	3.99E-08	3.59E-09	5.30E-08	7.91E-09	2.93E-08	2.58E-09	3.98E-08	8.97E-10	5.13E-09	6.13E-10	6.64E-09	8.15E-10	2.69E-09	1.85E-10	3.69E-09

8412	470927.99	3819482.88	9.60E-09	4.03E-08	3.63E-09	5.35E-08	7.99E-09	2.96E-08	2.60E-09	4.02E-08	9.06E-10	5.19E-09	6.19E-10	6.71E-09	8.24E-10	2.72E-09	1.87E-10	3.73E-09
8413	470924.24	3819491.68	9.69E-09	4.07E-08	3.66E-09	5.40E-08	8.07E-09	2.99E-08	2.63E-09	4.06E-08	9.15E-10	5.24E-09	6.25E-10	6.78E-09	8.32E-10	2.74E-09	1.89E-10	3.76E-09
8414	470920.49	3819500.47	9.78E-09	4.11E-08	3.70E-09	5.45E-08	8.14E-09	3.02E-08	2.65E-09	4.10E-08	9.23E-10	5.29E-09	6.31E-10	6.84E-09	8.39E-10	2.77E-09	1.91E-10	3.80E-09
8415	470916.75	3819509.27	9.86E-09	4.14E-08	3.73E-09	5.50E-08	8.21E-09	3.04E-08	2.68E-09	4.13E-08	9.31E-10	5.33E-09	6.36E-10	6.90E-09	8.46E-10	2.79E-09	1.92E-10	3.83E-09
8416	470913	3819518.07	9.94E-09	4.17E-08	3.76E-09	5.54E-08	8.28E-09	3.07E-08	2.70E-09	4.16E-08	9.38E-10	5.37E-09	6.41E-10	6.95E-09	8.53E-10	2.81E-09	1.94E-10	3.86E-09
8417	470909.25	3819526.87	1.00E-08	4.20E-08	3.79E-09	5.58E-08	8.34E-09	3.09E-08	2.72E-09	4.19E-08	9.45E-10	5.41E-09	6.46E-10	7.00E-09	8.59E-10	2.83E-09	1.95E-10	3.89E-09
8418	470905.51	3819535.66	1.01E-08	4.23E-08	3.81E-09	5.62E-08	8.39E-09	3.11E-08	2.74E-09	4.22E-08	9.52E-10	5.45E-09	6.50E-10	7.05E-09	8.65E-10	2.85E-09	1.97E-10	3.91E-09
8419	470901.76	3819544.46	1.01E-08	4.26E-08	3.83E-09	5.66E-08	8.45E-09	3.13E-08	2.75E-09	4.25E-08	9.57E-10	5.48E-09	6.54E-10	7.09E-09	8.70E-10	2.87E-09	1.98E-10	3.94E-09
8420	470898.01	3819553.26	1.02E-08	4.28E-08	3.86E-09	5.69E-08	8.49E-09	3.15E-08	2.77E-09	4.27E-08	9.63E-10	5.51E-09	6.58E-10	7.13E-09	8.75E-10	2.89E-09	1.99E-10	3.96E-09
8421	470894.27	3819562.06	1.02E-08	4.30E-08	3.87E-09	5.71E-08	8.53E-09	3.16E-08	2.78E-09	4.29E-08	9.67E-10	5.54E-09	6.61E-10	7.17E-09	8.79E-10	2.90E-09	2.00E-10	3.98E-09
8422	470890.52	3819570.85	1.03E-08	4.32E-08	3.89E-09	5.74E-08	8.57E-09	3.17E-08	2.79E-09	4.31E-08	9.72E-10	5.56E-09	6.64E-10	7.20E-09	8.83E-10	2.91E-09	2.01E-10	4.00E-09
8423	470886.77	3819579.65	1.03E-08	4.34E-08	3.91E-09	5.76E-08	8.60E-09	3.19E-08	2.80E-09	4.33E-08	9.75E-10	5.58E-09	6.66E-10	7.22E-09	8.86E-10	2.92E-09	2.01E-10	4.01E-09
8424	470883.03	3819588.45	1.04E-08	4.35E-08	3.92E-09	5.78E-08	8.63E-09	3.20E-08	2.81E-09	4.34E-08	9.78E-10	5.60E-09	6.68E-10	7.25E-09	8.89E-10	2.93E-09	2.02E-10	4.02E-09
8425	470879.28	3819597.24	1.04E-08	4.36E-08	3.93E-09	5.79E-08	8.65E-09	3.20E-08	2.82E-09	4.35E-08	9.81E-10	5.61E-09	6.70E-10	7.26E-09	8.91E-10	2.94E-09	2.03E-10	4.03E-09
8426	470864.3	3819632.43	1.04E-08	4.38E-08	3.94E-09	5.82E-08	8.69E-09	3.22E-08	2.83E-09	4.37E-08	9.85E-10	5.64E-09	6.73E-10	7.30E-09	8.95E-10	2.95E-09	2.03E-10	4.05E-09
8427	470860.55	3819641.23	1.04E-08	4.38E-08	3.94E-09	5.82E-08	8.68E-09	3.22E-08	2.83E-09	4.37E-08	9.85E-10	5.64E-09	6.72E-10	7.29E-09	8.95E-10	2.95E-09	2.03E-10	4.05E-09
8428	470856.8	3819650.03	1.04E-08	4.38E-08	3.94E-09	5.81E-08	8.68E-09	3.21E-08	2.83E-09	4.37E-08	9.84E-10	5.63E-09	6.72E-10	7.29E-09	8.94E-10	2.95E-09	2.03E-10	4.05E-09
8429	470853.06	3819658.82	1.04E-08	4.37E-08	3.93E-09	5.80E-08	8.67E-09	3.21E-08	2.82E-09	4.36E-08	9.83E-10	5.62E-09	6.71E-10	7.28E-09	8.93E-10	2.95E-09	2.03E-10	4.04E-09
8430	470849.31	3819667.62	1.04E-08	4.36E-08	3.93E-09	5.79E-08	8.65E-09	3.21E-08	2.82E-09	4.35E-08	9.81E-10	5.62E-09	6.70E-10	7.27E-09	8.92E-10	2.94E-09	2.03E-10	4.03E-09
8431	470845.56	3819676.42	1.04E-08	4.35E-08	3.92E-09	5.78E-08	8.63E-09	3.20E-08	2.81E-09	4.34E-08	9.79E-10	5.60E-09	6.69E-10	7.25E-09	8.90E-10	2.93E-09	2.02E-10	4.03E-09
8432	470841.82	3819685.22	1.03E-08	4.34E-08	3.91E-09	5.77E-08	8.61E-09	3.19E-08	2.81E-09	4.33E-08	9.76E-10	5.59E-09	6.67E-10	7.23E-09	8.88E-10	2.93E-09	2.02E-10	4.02E-09
8433	470838.07	3819694.01	1.03E-08	4.33E-08	3.90E-09	5.75E-08	8.59E-09	3.18E-08	2.80E-09	4.32E-08	9.73E-10	5.57E-09	6.65E-10	7.21E-09	8.85E-10	2.92E-09	2.01E-10	4.00E-09
8434	470834.32	3819702.81	1.03E-08	4.32E-08	3.89E-09	5.73E-08	8.56E-09	3.17E-08	2.79E-09	4.31E-08	9.70E-10	5.56E-09	6.63E-10	7.19E-09	8.82E-10	2.91E-09	2.01E-10	3.99E-09
8435	470830.58	3819711.61	1.02E-08	4.30E-08	3.87E-09	5.71E-08	8.53E-09	3.16E-08	2.78E-09	4.29E-08	9.67E-10	5.54E-09	6.60E-10	7.16E-09	8.79E-10	2.90E-09	2.00E-10	3.98E-09
8436	470826.83	3819720.4	1.02E-08	4.28E-08	3.86E-09	5.69E-08	8.50E-09	3.15E-08	2.77E-09	4.27E-08	9.63E-10	5.51E-09	6.58E-10	7.14E-09	8.76E-10	2.89E-09	1.99E-10	3.96E-09
8437	470403.25	3820057.55	1.34E-08	5.64E-08	5.08E-09	7.49E-08	1.12E-08	4.14E-08	3.64E-09	5.63E-08	1.27E-09	7.26E-09	8.66E-10	9.39E-09	1.15E-09	3.80E-09	2.62E-10	5.21E-09
8438	470394.37	3820061.1	1.35E-08	5.69E-08	5.12E-09	7.56E-08	1.13E-08	4.18E-08	3.68E-09	5.68E-08	1.28E-09	7.32E-09	8.74E-10	9.48E-09	1.16E-09	3.83E-09	2.64E-10	5.26E-09
8439	470385.49	3820064.65	1.37E-08	5.74E-08	5.17E-09	7.62E-08	1.14E-08	4.22E-08	3.71E-09	5.73E-08	1.29E-09	7.39E-09	8.81E-10	9.56E-09	1.17E-09	3.87E-09	2.67E-10	5.31E-09
8440	470376.61	3820068.19	1.38E-08	5.78E-08	5.21E-09	7.68E-08	1.15E-08	4.25E-08	3.74E-09	5.77E-08	1.30E-09	7.45E-09	8.88E-10	9.63E-09	1.18E-09	3.90E-09	2.69E-10	5.35E-09
8441	470367.73	3820071.74	1.39E-08	5.83E-08	5.25E-09	7.74E-08	1.16E-08	4.28E-08	3.77E-09	5.81E-08	1.31E-09	7.50E-09	8.95E-10	9.71E-09	1.19E-09	3.93E-09	2.71E-10	5.39E-09
8442	470358.86	3820075.29	1.40E-08	5.87E-08	5.28E-09	7.79E-08	1.16E-08	4.31E-08	3.79E-09	5.86E-08	1.32E-09	7.55E-09	9.01E-10	9.78E-09	1.20E-09	3.96E-09	2.73E-10	5.43E-09
8443	470349.98	3820078.84	1.41E-08	5.91E-08	5.32E-09	7.85E-08	1.17E-08	4.34E-08	3.82E-09	5.89E-08	1.33E-09	7.60E-09	9.07E-10	9.84E-09	1.21E-09	3.98E-09	2.74E-10	5.46E-09
8444	470341.1	3820082.38	1.42E-08	5.94E-08	5.35E-09	7.89E-08	1.18E-08	4.37E-08	3.84E-09	5.93E-08	1.34E-09	7.65E-09	9.13E-10	9.90E-09	1.21E-09	4.01E-09	2.76E-10	5.50E-09
8445	470332.22	3820085.93	1.42E-08	5.98E-08	5.38E-09	7.94E-08	1.19E-08	4.39E-08	3.86E-09	5.96E-08	1.34E-09	7.70E-09	9.18E-10	9.96E-09	1.22E-09	4.03E-09	2.78E-10	5.53E-09
8446	470323.34	3820089.48	1.43E-08	6.01E-08	5.41E-09	7.98E-08	1.19E-08	4.42E-08	3.88E-09	6.00E-08	1.35E-09	7.74E-09	9.23E-10	1.00E-08	1.23E-09	4.05E-09	2.79E-10	5.56E-09
8447	470314.46	3820093.03	1.44E-08	6.04E-08	5.44E-09	8.02E-08	1.20E-08	4.44E-08	3.90E-09	6.03E-08	1.36E-09	7.78E-09	9.28E-10	1.01E-08	1.23E-09	4.07E-09	2.81E-10	5.59E-09
8448	470305.58	3820096.58	1.45E-08	6.07E-08	5.47E-09	8.06E-08	1.20E-08	4.46E-08	3.92E-09	6.06E-08	1.36E-09	7.81E-09	9.32E-10	1.01E-08	1.24E-09	4.09E-09	2.82E-10	5.61E-09
8449	470939.23	3819456.49	9.29E-09	3.90E-08	3.51E-09	5.18E-08	7.74E-09	2.87E-08	2.52E-09	3.89E-08	8.77E-10	5.02E-09	5.99E-10	6.50E-09	7.98E-10	2.63E-09	1.81E-10	3.61E-09
8450	470939.31	3819446.84	9.27E-09	3.89E-08	3.51E-09	5.17E-08	7.72E-09	2.86E-08	2.52E-09	3.89E-08	8.76E-10	5.01E-09	5.98E-10	6.49E-09	7.96E-10	2.62E-09	1.81E-10	3.60E-09
8451	470939.39	3819437.19	9.25E-09	3.88E-08	3.50E-09	5.16E-08	7.70E-09	2.85E-08	2.51E-09	3.88E-08	8.73E-10	5.00E-09	5.97E-10	6.47E-09	7.94E-10	2.62E-09	1.80E-10	3.59E-09
8452	470939.47	3819427.54	9.22E-09	3.87E-08	3.49E-09	5.14E-08	7.68E-09	2.84E-08	2.50E-09	3.86E-08	8.71E-10	4.98E-09	5.95E-10	6.45E-09	7.91E-10	2.61E-09	1.80E-10	3.58E-09
8453	470939.56	3819417.9	9.18E-09	3.86E-08	3.47E-09	5.12E-08	7.65E-09	2.83E-08	2.49E-09	3.85E-08	8.67E-10	4.96E-09	5.92E-10	6.42E-09	7.88E-10	2.60E-09	1.79E-10	3.57E-09
8454	470939.64	3819408.25	9.14E-09	3.84E-08	3.46E-09	5.10E-08	7.61E-09	2.82E-08	2.48E-09	3.83E-08	8.63E-10	4.94E-09	5.89E-10	6.39E-09	7.84E-10	2.59E-09	1.78E-10	3.55E-09
8455	470939.72	3819398.6	9.08E-09	3.81E-08	3.44E-09	5.07E-08	7.57E-09	2.80E-08	2.47E-09	3.81E-08	8.58E-10	4.91E-09	5.86E-10	6.35E-09	7.80E-10	2.57E-09	1.77E-10	3.53E-09
8456	470939.8	3819388.95	9.02E-09	3.79E-08	3.41E-09	5.03E-08	7.52E-09	2.78E-08	2.45E-09	3.78E-08	8.52E-10	4.88E-09	5.82E-10	6.31E-09	7.75E-10	2.55E-09	1.76E-10	3.51E-09
8457	470939.89	3819379.3	8.96E-09	3.76E-08	3.39E-09	5.00E-08	7.46E-09	2.76E-08	2.43E-09	3.75E-08	8.46E-10	4.84E-09	5.78E-10	6.27E-09	7.69E-10	2.54E-09	1.75E-10	3.48E-09
8458	470939.97	3819369.66	8.88E-09	3.73E-08	3.36E-09	4.95E-08	7.40E-09	2.74E-08	2.41E-09	3.72E-08	8.39E-10	4.80E-09	5.73E-10	6.21E-09	7.63E-10	2.51E-09	1.73E-10	3.45E-09
8459	470940.05	3819360.01	8.80E-09	3.70E-08	3.33E-09	4.91E-08	7.33E-09	2.72E-08	2.39E-09	3.69E-08	8.31E-10	4.76E-09	5.68E-10	6.16E-09	7.56E-10	2.49E-09	1.72E-10	3.42E-09
8460	470940.14	3819350.36	8.71E-09	3.66E-08	3.29E-09	4.86E-08	7.26E-09	2.69E-08	2.36E-09	3.65E-08	8.23E-10	4.71E-09	5.62E-10	6.09E-09	7.48E-10	2.47E-09	1.70E-10	3.38E-09
8461	470940.22	3819340.71	8.61E-09	3.62E-08	3.26E-09	4.81E-08	7.18E-09	2.66E-08	2.34E-09	3.61E-08	8.13E-10	4.66E-09	5.56E-10	6.03E-09	7.40E-10	2.44E-09	1.68E-10	3.35E-09
8462	470940.3	3819331.06	8.51E-09	3.57E-08	3.22E-09	4.75E-08	7.09E-09	2.63E-08	2.31E-09	3.57E-08	8.04E-10	4.60E-09	5.49E-10	5.95E-09	7.31E-10	2.41E-09	1.66E-10	3.31E-09

8463	470940.38	3819321.41	8.40E-09	3.53E-08	3.18E-09	4.68E-08	7.00E-09	2.59E-08	2.28E-09	3.52E-08	7.93E-10	4.54E-09	5.42E-10	5.88E-09	7.21E-10	2.38E-09	1.64E-10	3.26E-09
8464	470940.47	3819311.77	8.28E-09	3.48E-08	3.13E-09	4.62E-08	6.90E-09	2.56E-08	2.25E-09	3.47E-08	7.82E-10	4.48E-09	5.34E-10	5.79E-09	7.11E-10	2.34E-09	1.62E-10	3.22E-09
8465	470940.55	3819302.12	8.16E-09	3.42E-08	3.08E-09	4.55E-08	6.79E-09	2.52E-08	2.21E-09	3.42E-08	7.70E-10	4.41E-09	5.26E-10	5.70E-09	7.00E-10	2.31E-09	1.59E-10	3.17E-09
8466	470940.63	3819292.47	8.02E-09	3.37E-08	3.03E-09	4.47E-08	6.68E-09	2.48E-08	2.18E-09	3.36E-08	7.58E-10	4.34E-09	5.17E-10	5.61E-09	6.89E-10	2.27E-09	1.57E-10	3.12E-09
8467	470940.71	3819282.82	7.88E-09	3.31E-08	2.98E-09	4.40E-08	6.57E-09	2.43E-08	2.14E-09	3.30E-08	7.44E-10	4.26E-09	5.08E-10	5.51E-09	6.77E-10	2.23E-09	1.54E-10	3.06E-09
8468	470940.8	3819273.17	7.74E-09	3.25E-08	2.93E-09	4.32E-08	6.45E-09	2.39E-08	2.10E-09	3.24E-08	7.31E-10	4.18E-09	4.99E-10	5.41E-09	6.64E-10	2.19E-09	1.51E-10	3.01E-09
8469	470940.88	3819263.53	7.59E-09	3.19E-08	2.87E-09	4.23E-08	6.32E-09	2.34E-08	2.06E-09	3.18E-08	7.17E-10	4.10E-09	4.90E-10	5.31E-09	6.52E-10	2.15E-09	1.48E-10	2.95E-09
8470	470940.96	3819253.88	7.44E-09	3.12E-08	2.81E-09	4.15E-08	6.19E-09	2.29E-08	2.02E-09	3.12E-08	7.02E-10	4.02E-09	4.80E-10	5.20E-09	6.38E-10	2.10E-09	1.45E-10	2.89E-09
8471	470941.05	3819244.23	7.28E-09	3.06E-08	2.75E-09	4.06E-08	6.06E-09	2.25E-08	1.98E-09	3.05E-08	6.87E-10	3.93E-09	4.69E-10	5.09E-09	6.25E-10	2.06E-09	1.42E-10	2.83E-09
8472	470975.46	3819465.66	8.42E-09	3.54E-08	3.18E-09	4.70E-08	7.01E-09	2.60E-08	2.29E-09	3.53E-08	7.95E-10	4.55E-09	5.43E-10	5.89E-09	7.23E-10	2.38E-09	1.64E-10	3.27E-09
8473	470971.7	3819474.49	8.51E-09	3.57E-08	3.22E-09	4.75E-08	7.09E-09	2.63E-08	2.31E-09	3.57E-08	8.04E-10	4.60E-09	5.49E-10	5.95E-09	7.31E-10	2.41E-09	1.66E-10	3.31E-09
8474	470967.94	3819483.32	8.60E-09	3.61E-08	3.25E-09	4.80E-08	7.16E-09	2.65E-08	2.33E-09	3.60E-08	8.12E-10	4.65E-09	5.55E-10	6.01E-09	7.38E-10	2.43E-09	1.68E-10	3.34E-09
8475	470964.18	3819492.15	8.68E-09	3.65E-08	3.28E-09	4.84E-08	7.23E-09	2.68E-08	2.36E-09	3.64E-08	8.20E-10	4.69E-09	5.60E-10	6.07E-09	7.45E-10	2.46E-09	1.69E-10	3.37E-09
8476	470960.42	3819500.98	8.76E-09	3.68E-08	3.31E-09	4.89E-08	7.30E-09	2.70E-08	2.38E-09	3.67E-08	8.27E-10	4.74E-09	5.65E-10	6.13E-09	7.52E-10	2.48E-09	1.71E-10	3.40E-09
8477	470956.66	3819509.81	8.84E-09	3.71E-08	3.34E-09	4.93E-08	7.36E-09	2.73E-08	2.40E-09	3.70E-08	8.34E-10	4.78E-09	5.70E-10	6.18E-09	7.59E-10	2.50E-09	1.72E-10	3.43E-09
8478	470952.9	3819518.65	8.91E-09	3.74E-08	3.37E-09	4.97E-08	7.42E-09	2.75E-08	2.42E-09	3.73E-08	8.41E-10	4.82E-09	5.75E-10	6.23E-09	7.65E-10	2.52E-09	1.74E-10	3.46E-09
8479	470949.14	3819527.48	8.98E-09	3.77E-08	3.39E-09	5.01E-08	7.48E-09	2.77E-08	2.44E-09	3.76E-08	8.48E-10	4.85E-09	5.79E-10	6.28E-09	7.71E-10	2.54E-09	1.75E-10	3.49E-09
8480	470945.38	3819536.31	9.04E-09	3.80E-08	3.42E-09	5.04E-08	7.53E-09	2.79E-08	2.45E-09	3.79E-08	8.54E-10	4.89E-09	5.83E-10	6.32E-09	7.76E-10	2.56E-09	1.76E-10	3.51E-09
8481	470941.62	3819545.14	9.10E-09	3.82E-08	3.44E-09	5.07E-08	7.58E-09	2.81E-08	2.47E-09	3.81E-08	8.59E-10	4.92E-09	5.87E-10	6.36E-09	7.81E-10	2.58E-09	1.78E-10	3.53E-09
8482	470937.86	3819553.97	9.15E-09	3.84E-08	3.46E-09	5.11E-08	7.62E-09	2.82E-08	2.48E-09	3.84E-08	8.64E-10	4.95E-09	5.90E-10	6.40E-09	7.86E-10	2.59E-09	1.79E-10	3.56E-09
8483	470934.1	3819562.8	9.20E-09	3.86E-08	3.48E-09	5.13E-08	7.66E-09	2.84E-08	2.50E-09	3.86E-08	8.69E-10	4.97E-09	5.94E-10	6.44E-09	7.90E-10	2.60E-09	1.80E-10	3.57E-09
8484	470930.34	3819571.63	9.25E-09	3.88E-08	3.50E-09	5.16E-08	7.70E-09	2.85E-08	2.51E-09	3.87E-08	8.73E-10	5.00E-09	5.96E-10	6.47E-09	7.94E-10	2.62E-09	1.80E-10	3.59E-09
8485	470926.57	3819580.46	9.29E-09	3.90E-08	3.51E-09	5.18E-08	7.73E-09	2.87E-08	2.52E-09	3.89E-08	8.77E-10	5.02E-09	5.99E-10	6.50E-09	7.97E-10	2.63E-09	1.81E-10	3.61E-09
8486	470922.81	3819589.29	9.32E-09	3.91E-08	3.53E-09	5.20E-08	7.76E-09	2.88E-08	2.53E-09	3.91E-08	8.80E-10	5.04E-09	6.01E-10	6.52E-09	8.00E-10	2.64E-09	1.82E-10	3.62E-09
8487	470919.05	3819598.12	9.35E-09	3.93E-08	3.54E-09	5.22E-08	7.79E-09	2.89E-08	2.54E-09	3.92E-08	8.83E-10	5.06E-09	6.03E-10	6.54E-09	8.03E-10	2.65E-09	1.82E-10	3.63E-09
8488	470915.29	3819606.95	9.38E-09	3.94E-08	3.55E-09	5.23E-08	7.81E-09	2.89E-08	2.55E-09	3.93E-08	8.85E-10	5.07E-09	6.05E-10	6.56E-09	8.05E-10	2.65E-09	1.83E-10	3.64E-09
8489	470911.53	3819615.78	9.40E-09	3.95E-08	3.55E-09	5.24E-08	7.83E-09	2.90E-08	2.55E-09	3.94E-08	8.87E-10	5.08E-09	6.06E-10	6.57E-09	8.07E-10	2.66E-09	1.83E-10	3.65E-09
8490	470907.77	3819624.61	9.41E-09	3.95E-08	3.56E-09	5.25E-08	7.84E-09	2.90E-08	2.56E-09	3.94E-08	8.89E-10	5.09E-09	6.07E-10	6.58E-09	8.08E-10	2.66E-09	1.84E-10	3.66E-09
8491	470896.49	3819651.1	9.43E-09	3.96E-08	3.57E-09	5.26E-08	7.85E-09	2.91E-08	2.56E-09	3.95E-08	8.90E-10	5.10E-09	6.08E-10	6.60E-09	8.09E-10	2.67E-09	1.84E-10	3.66E-09
8492	470892.73	3819659.93	9.42E-09	3.96E-08	3.56E-09	5.26E-08	7.85E-09	2.91E-08	2.56E-09	3.95E-08	8.90E-10	5.10E-09	6.08E-10	6.59E-09	8.09E-10	2.67E-09	1.84E-10	3.66E-09
8493	470888.97	3819668.76	9.42E-09	3.95E-08	3.56E-09	5.25E-08	7.84E-09	2.91E-08	2.56E-09	3.95E-08	8.89E-10	5.09E-09	6.07E-10	6.59E-09	8.08E-10	2.67E-09	1.84E-10	3.66E-09
8494	470885.21	3819677.59	9.41E-09	3.95E-08	3.56E-09	5.25E-08	7.83E-09	2.90E-08	2.55E-09	3.94E-08	8.88E-10	5.08E-09	6.07E-10	6.58E-09	8.07E-10	2.66E-09	1.84E-10	3.65E-09
8495	470881.45	3819686.43	9.39E-09	3.94E-08	3.55E-09	5.24E-08	7.82E-09	2.90E-08	2.55E-09	3.93E-08	8.87E-10	5.08E-09	6.06E-10	6.57E-09	8.06E-10	2.66E-09	1.83E-10	3.65E-09
8496	470877.69	3819695.26	9.37E-09	3.94E-08	3.54E-09	5.23E-08	7.81E-09	2.89E-08	2.54E-09	3.93E-08	8.85E-10	5.07E-09	6.04E-10	6.56E-09	8.04E-10	2.65E-09	1.83E-10	3.64E-09
8497	470873.93	3819704.09	9.35E-09	3.93E-08	3.54E-09	5.21E-08	7.79E-09	2.88E-08	2.54E-09	3.92E-08	8.83E-10	5.05E-09	6.03E-10	6.54E-09	8.03E-10	2.65E-09	1.82E-10	3.63E-09
8498	470870.16	3819712.92	9.32E-09	3.92E-08	3.53E-09	5.20E-08	7.77E-09	2.88E-08	2.53E-09	3.91E-08	8.80E-10	5.04E-09	6.01E-10	6.52E-09	8.00E-10	2.64E-09	1.82E-10	3.62E-09
8499	470866.4	3819721.75	9.29E-09	3.90E-08	3.51E-09	5.18E-08	7.74E-09	2.87E-08	2.52E-09	3.89E-08	8.78E-10	5.02E-09	5.99E-10	6.50E-09	7.98E-10	2.63E-09	1.81E-10	3.61E-09
8500	470862.64	3819730.58	9.26E-09	3.89E-08	3.50E-09	5.17E-08	7.72E-09	2.86E-08	2.51E-09	3.88E-08	8.75E-10	5.01E-09	5.97E-10	6.48E-09	7.95E-10	2.62E-09	1.81E-10	3.60E-09
8501	470858.88	3819739.41	9.23E-09	3.88E-08	3.49E-09	5.15E-08	7.69E-09	2.85E-08	2.51E-09	3.87E-08	8.72E-10	4.99E-09	5.95E-10	6.46E-09	7.92E-10	2.61E-09	1.80E-10	3.58E-09
8502	470855.12	3819748.24	9.19E-09	3.86E-08	3.48E-09	5.13E-08	7.66E-09	2.84E-08	2.50E-09	3.85E-08	8.68E-10	4.97E-09	5.93E-10	6.43E-09	7.89E-10	2.60E-09	1.79E-10	3.57E-09
8503	470851.36	3819757.07	9.16E-09	3.85E-08	3.46E-09	5.11E-08	7.63E-09	2.83E-08	2.49E-09	3.84E-08	8.65E-10	4.95E-09	5.91E-10	6.41E-09	7.86E-10	2.59E-09	1.79E-10	3.56E-09
8504	470581.46	3820026.12	9.75E-09	4.10E-08	3.69E-09	5.44E-08	8.12E-09	3.01E-08	2.65E-09	4.09E-08	9.21E-10	5.27E-09	6.29E-10	6.82E-09	8.37E-10	2.76E-09	1.90E-10	3.79E-09
8505	470572.54	3820029.68	9.88E-09	4.15E-08	3.73E-09	5.51E-08	8.23E-09	3.05E-08	2.68E-09	4.14E-08	9.33E-10	5.34E-09	6.37E-10	6.91E-09	8.48E-10	2.80E-09	1.93E-10	3.84E-09
8506	470563.63	3820033.25	1.00E-08	4.20E-08	3.78E-09	5.58E-08	8.33E-09	3.09E-08	2.72E-09	4.19E-08	9.45E-10	5.41E-09	6.45E-10	7.00E-09	8.59E-10	2.83E-09	1.95E-10	3.89E-09
8507	470554.72	3820036.81	1.01E-08	4.26E-08	3.83E-09	5.65E-08	8.44E-09	3.13E-08	2.75E-09	4.25E-08	9.57E-10	5.48E-09	6.54E-10	7.09E-09	8.70E-10	2.87E-09	1.98E-10	3.94E-09
8508	470545.8	3820040.37	1.03E-08	4.31E-08	3.88E-09	5.73E-08	8.55E-09	3.17E-08	2.79E-09	4.30E-08	9.69E-10	5.55E-09	6.62E-10	7.18E-09	8.81E-10	2.91E-09	2.00E-10	3.99E-09
8509	470536.89	3820043.93	1.04E-08	4.37E-08	3.93E-09	5.80E-08	8.66E-09	3.21E-08	2.82E-09	4.36E-08	9.82E-10	5.62E-09	6.71E-10	7.28E-09	8.93E-10	2.94E-09	2.03E-10	4.04E-09
8510	470527.98	3820047.49	1.05E-08	4.43E-08	3.99E-09	5.88E-08	8.78E-09	3.25E-08	2.86E-09	4.42E-08	9.95E-10	5.70E-09	6.80E-10	7.37E-09	9.05E-10	2.98E-09	2.06E-10	4.09E-09
8511	470519.07	3820051.05	1.07E-08	4.49E-08	4.04E-09	5.96E-08	8.90E-09	3.30E-08	2.90E-09	4.48E-08	1.01E-09	5.78E-09	6.89E-10	7.47E-09	9.17E-10	3.02E-09	2.08E-10	4.15E-09
8512	470510.15	3820054.61	1.08E-08	4.55E-08	4.10E-09	6.04E-08	9.02E-09	3.34E-08	2.94E-09	4.54E-08	1.02E-09	5.85E-09	6.98E-10	7.57E-09	9.30E-10	3.07E-09	2.11E-10	4.21E-09
8513	470501.24	3820058.17	1.10E-08	4.61E-08	4.15E-09	6.12E-08	9.14E-09	3.39E-08	2.98E-09	4.60E-08	1.04E-09	5.93E-09	7.08E-10	7.68E-09	9.42E-10	3.11E-09	2.14E-10	4.26E-09

8514	470492.33	3820061.73	1.11E-08	4.67E-08	4.20E-09	6.20E-08	9.26E-09	3.43E-08	3.02E-09	4.66E-08	1.05E-09	6.01E-09	7.17E-10	7.78E-09	9.54E-10	3.15E-09	2.17E-10	4.32E-09
8515	470483.41	3820065.3	1.13E-08	4.73E-08	4.26E-09	6.28E-08	9.37E-09	3.47E-08	3.05E-09	4.72E-08	1.06E-09	6.08E-09	7.26E-10	7.87E-09	9.66E-10	3.19E-09	2.20E-10	4.37E-09
8516	470474.5	3820068.86	1.14E-08	4.78E-08	4.31E-09	6.35E-08	9.49E-09	3.51E-08	3.09E-09	4.77E-08	1.08E-09	6.16E-09	7.35E-10	7.97E-09	9.78E-10	3.22E-09	2.22E-10	4.42E-09
8517	470465.59	3820072.42	1.15E-08	4.84E-08	4.36E-09	6.43E-08	9.60E-09	3.56E-08	3.13E-09	4.83E-08	1.09E-09	6.23E-09	7.43E-10	8.06E-09	9.89E-10	3.26E-09	2.25E-10	4.48E-09
8518	470456.68	3820075.98	1.17E-08	4.90E-08	4.41E-09	6.50E-08	9.71E-09	3.60E-08	3.17E-09	4.89E-08	1.10E-09	6.30E-09	7.52E-10	8.16E-09	1.00E-09	3.30E-09	2.28E-10	4.53E-09
8519	470447.76	3820079.54	1.18E-08	4.95E-08	4.46E-09	6.58E-08	9.82E-09	3.64E-08	3.20E-09	4.94E-08	1.11E-09	6.38E-09	7.61E-10	8.25E-09	1.01E-09	3.34E-09	2.30E-10	4.58E-09
8520	470438.85	3820083.1	1.19E-08	5.01E-08	4.51E-09	6.65E-08	9.93E-09	3.68E-08	3.24E-09	5.00E-08	1.13E-09	6.44E-09	7.69E-10	8.34E-09	1.02E-09	3.37E-09	2.33E-10	4.63E-09
8521	470429.94	3820086.66	1.20E-08	5.06E-08	4.55E-09	6.72E-08	1.00E-08	3.72E-08	3.27E-09	5.05E-08	1.14E-09	6.51E-09	7.77E-10	8.43E-09	1.03E-09	3.41E-09	2.35E-10	4.68E-09
8522	470421.02	3820090.22	1.22E-08	5.11E-08	4.60E-09	6.78E-08	1.01E-08	3.75E-08	3.30E-09	5.10E-08	1.15E-09	6.57E-09	7.84E-10	8.51E-09	1.04E-09	3.44E-09	2.37E-10	4.72E-09
8523	470412.11	3820093.78	1.23E-08	5.15E-08	4.64E-09	6.85E-08	1.02E-08	3.79E-08	3.33E-09	5.14E-08	1.16E-09	6.63E-09	7.92E-10	8.58E-09	1.05E-09	3.47E-09	2.39E-10	4.77E-09
8524	470403.2	3820097.35	1.24E-08	5.20E-08	4.68E-09	6.90E-08	1.03E-08	3.82E-08	3.36E-09	5.19E-08	1.17E-09	6.69E-09	7.98E-10	8.66E-09	1.06E-09	3.50E-09	2.42E-10	4.81E-09
8525	470394.29	3820100.91	1.25E-08	5.24E-08	4.72E-09	6.96E-08	1.04E-08	3.85E-08	3.39E-09	5.23E-08	1.18E-09	6.74E-09	8.05E-10	8.73E-09	1.07E-09	3.53E-09	2.43E-10	4.85E-09
8526	470385.37	3820104.47	1.26E-08	5.28E-08	4.75E-09	7.01E-08	1.05E-08	3.88E-08	3.41E-09	5.27E-08	1.19E-09	6.79E-09	8.11E-10	8.79E-09	1.08E-09	3.56E-09	2.45E-10	4.88E-09
8527	470376.46	3820108.03	1.27E-08	5.31E-08	4.79E-09	7.06E-08	1.05E-08	3.90E-08	3.43E-09	5.30E-08	1.19E-09	6.84E-09	8.16E-10	8.85E-09	1.09E-09	3.58E-09	2.47E-10	4.92E-09
8528	470367.55	3820111.59	1.27E-08	5.35E-08	4.82E-09	7.10E-08	1.06E-08	3.93E-08	3.46E-09	5.34E-08	1.20E-09	6.88E-09	8.21E-10	8.91E-09	1.09E-09	3.60E-09	2.48E-10	4.95E-09
8529	470358.63	3820115.15	1.28E-08	5.38E-08	4.85E-09	7.15E-08	1.07E-08	3.95E-08	3.48E-09	5.37E-08	1.21E-09	6.93E-09	8.26E-10	8.96E-09	1.10E-09	3.63E-09	2.50E-10	4.98E-09
8530	470349.72	3820118.71	1.29E-08	5.41E-08	4.87E-09	7.19E-08	1.07E-08	3.98E-08	3.50E-09	5.40E-08	1.22E-09	6.96E-09	8.31E-10	9.01E-09	1.11E-09	3.65E-09	2.51E-10	5.00E-09
8531	470340.81	3820122.27	1.30E-08	5.44E-08	4.90E-09	7.22E-08	1.08E-08	4.00E-08	3.52E-09	5.43E-08	1.22E-09	7.00E-09	8.35E-10	9.06E-09	1.11E-09	3.67E-09	2.53E-10	5.03E-09
8532	470331.9	3820125.83	1.30E-08	5.47E-08	4.92E-09	7.26E-08	1.08E-08	4.02E-08	3.53E-09	5.45E-08	1.23E-09	7.04E-09	8.39E-10	9.10E-09	1.12E-09	3.68E-09	2.54E-10	5.06E-09
8533	470322.98	3820129.4	1.31E-08	5.49E-08	4.95E-09	7.29E-08	1.09E-08	4.04E-08	3.55E-09	5.48E-08	1.23E-09	7.07E-09	8.43E-10	9.15E-09	1.12E-09	3.70E-09	2.55E-10	5.08E-09
8534	470314.07	3820132.96	1.31E-08	5.52E-08	4.97E-09	7.33E-08	1.09E-08	4.05E-08	3.57E-09	5.51E-08	1.24E-09	7.10E-09	8.48E-10	9.19E-09	1.13E-09	3.72E-09	2.56E-10	5.10E-09
8535	470305.16	3820136.52	1.32E-08	5.54E-08	4.99E-09	7.36E-08	1.10E-08	4.07E-08	3.58E-09	5.53E-08	1.25E-09	7.14E-09	8.51E-10	9.23E-09	1.13E-09	3.74E-09	2.58E-10	5.13E-09
8536	470296.24	3820140.08	1.33E-08	5.57E-08	5.01E-09	7.39E-08	1.10E-08	4.09E-08	3.60E-09	5.56E-08	1.25E-09	7.17E-09	8.55E-10	9.27E-09	1.14E-09	3.75E-09	2.59E-10	5.15E-09
8537	470979.22	3819456.83	8.33E-09	3.50E-08	3.15E-09	4.64E-08	6.94E-09	2.57E-08	2.26E-09	3.49E-08	7.86E-10	4.50E-09	5.37E-10	5.82E-09	7.15E-10	2.36E-09	1.62E-10	3.23E-09
8538	470979.31	3819447.18	8.31E-09	3.49E-08	3.14E-09	4.63E-08	6.92E-09	2.56E-08	2.26E-09	3.48E-08	7.85E-10	4.49E-09	5.36E-10	5.81E-09	7.13E-10	2.35E-09	1.62E-10	3.23E-09
8539	470979.39	3819437.54	8.29E-09	3.48E-08	3.13E-09	4.62E-08	6.90E-09	2.56E-08	2.25E-09	3.47E-08	7.82E-10	4.48E-09	5.34E-10	5.80E-09	7.11E-10	2.35E-09	1.62E-10	3.22E-09
8540	470979.47	3819427.89	8.26E-09	3.47E-08	3.12E-09	4.61E-08	6.88E-09	2.55E-08	2.24E-09	3.46E-08	7.80E-10	4.46E-09	5.33E-10	5.78E-09	7.09E-10	2.34E-09	1.61E-10	3.21E-09
8541	470979.56	3819418.24	8.22E-09	3.45E-08	3.11E-09	4.59E-08	6.85E-09	2.54E-08	2.23E-09	3.45E-08	7.77E-10	4.45E-09	5.30E-10	5.75E-09	7.06E-10	2.33E-09	1.60E-10	3.19E-09
8542	470979.64	3819408.59	8.18E-09	3.44E-08	3.09E-09	4.56E-08	6.82E-09	2.53E-08	2.22E-09	3.43E-08	7.73E-10	4.42E-09	5.28E-10	5.72E-09	7.02E-10	2.32E-09	1.60E-10	3.18E-09
8543	470979.72	3819398.94	8.14E-09	3.42E-08	3.08E-09	4.54E-08	6.78E-09	2.51E-08	2.21E-09	3.41E-08	7.68E-10	4.40E-09	5.25E-10	5.69E-09	6.99E-10	2.30E-09	1.59E-10	3.16E-09
8544	470979.8	3819389.29	8.09E-09	3.40E-08	3.06E-09	4.51E-08	6.73E-09	2.50E-08	2.19E-09	3.39E-08	7.64E-10	4.37E-09	5.22E-10	5.66E-09	6.94E-10	2.29E-09	1.58E-10	3.14E-09
8545	470979.89	3819379.65	8.03E-09	3.37E-08	3.04E-09	4.48E-08	6.69E-09	2.48E-08	2.18E-09	3.36E-08	7.58E-10	4.34E-09	5.18E-10	5.62E-09	6.89E-10	2.27E-09	1.57E-10	3.12E-09
8546	470979.97	3819370	7.96E-09	3.34E-08	3.01E-09	4.44E-08	6.63E-09	2.46E-08	2.16E-09	3.34E-08	7.52E-10	4.31E-09	5.14E-10	5.57E-09	6.84E-10	2.25E-09	1.55E-10	3.09E-09
8547	470980.05	3819360.35	7.89E-09	3.31E-08	2.99E-09	4.40E-08	6.57E-09	2.44E-08	2.14E-09	3.31E-08	7.45E-10	4.27E-09	5.09E-10	5.52E-09	6.78E-10	2.23E-09	1.54E-10	3.07E-09
8548	470980.13	3819350.7	7.82E-09	3.28E-08	2.96E-09	4.36E-08	6.51E-09	2.41E-08	2.12E-09	3.28E-08	7.38E-10	4.23E-09	5.04E-10	5.47E-09	6.71E-10	2.21E-09	1.53E-10	3.04E-09
8549	470980.22	3819341.05	7.73E-09	3.25E-08	2.92E-09	4.31E-08	6.44E-09	2.39E-08	2.10E-09	3.24E-08	7.30E-10	4.18E-09	4.99E-10	5.41E-09	6.64E-10	2.19E-09	1.51E-10	3.00E-09
8550	470980.3	3819331.41	7.64E-09	3.21E-08	2.89E-09	4.26E-08	6.37E-09	2.36E-08	2.07E-09	3.20E-08	7.22E-10	4.13E-09	4.93E-10	5.35E-09	6.56E-10	2.16E-09	1.49E-10	2.97E-09
8551	470980.38	3819321.76	7.55E-09	3.17E-08	2.85E-09	4.21E-08	6.29E-09	2.33E-08	2.05E-09	3.16E-08	7.13E-10	4.08E-09	4.87E-10	5.28E-09	6.48E-10	2.14E-09	1.47E-10	2.93E-09
8552	470980.47	3819312.11	7.45E-09	3.13E-08	2.82E-09	4.15E-08	6.20E-09	2.30E-08	2.02E-09	3.12E-08	7.03E-10	4.03E-09	4.80E-10	5.21E-09	6.39E-10	2.11E-09	1.45E-10	2.89E-09
8553	470980.55	3819302.46	7.34E-09	3.08E-08	2.78E-09	4.09E-08	6.11E-09	2.26E-08	1.99E-09	3.08E-08	6.93E-10	3.97E-09	4.73E-10	5.13E-09	6.30E-10	2.08E-09	1.43E-10	2.85E-09
8554	470980.63	3819292.81	7.23E-09	3.04E-08	2.73E-09	4.03E-08	6.02E-09	2.23E-08	1.96E-09	3.03E-08	6.83E-10	3.91E-09	4.66E-10	5.06E-09	6.21E-10	2.05E-09	1.41E-10	2.81E-09
8555	470980.71	3819283.16	7.11E-09	2.99E-08	2.69E-09	3.97E-08	5.92E-09	2.19E-08	1.93E-09	2.98E-08	6.71E-10	3.84E-09	4.59E-10	4.97E-09	6.10E-10	2.01E-09	1.39E-10	2.76E-09
8556	470980.8	3819273.52	6.99E-09	2.93E-08	2.64E-09	3.90E-08	5.82E-09	2.16E-08	1.90E-09	2.93E-08	6.60E-10	3.78E-09	4.51E-10	4.89E-09	6.00E-10	1.98E-09	1.36E-10	2.71E-09
8557	470980.88	3819263.87	6.86E-09	2.88E-08	2.60E-09	3.83E-08	5.72E-09	2.12E-08	1.86E-09	2.88E-08	6.48E-10	3.71E-09	4.43E-10	4.80E-09	5.89E-10	1.94E-09	1.34E-10	2.67E-09
8558	470980.96	3819254.22	6.73E-09	2.83E-08	2.55E-09	3.75E-08	5.61E-09	2.08E-08	1.83E-09	2.82E-08	6.36E-10	3.64E-09	4.34E-10	4.71E-09	5.78E-10	1.91E-09	1.31E-10	2.61E-09
8559	470981.04	3819244.57	6.60E-09	2.77E-08	2.49E-09	3.68E-08	5.49E-09	2.04E-08	1.79E-09	2.76E-08	6.23E-10	3.57E-09	4.25E-10	4.61E-09	5.66E-10	1.87E-09	1.29E-10	2.56E-09
8560	471055.5	3819466.26	6.87E-09	2.88E-08	2.60E-09	3.83E-08	5.72E-09	2.12E-08	1.86E-09	2.88E-08	6.48E-10	3.71E-09	4.43E-10	4.80E-09	5.89E-10	1.94E-09	1.34E-10	2.67E-09
8561	471051.77	3819475.01	6.94E-09	2.91E-08	2.62E-09	3.87E-08	5.78E-09	2.14E-08	1.88E-09	2.91E-08	6.55E-10	3.75E-09	4.47E-10	4.85E-09	5.95E-10	1.96E-09	1.35E-10	2.69E-09
8562	471048.05	3819483.76	7.01E-09	2.94E-08	2.65E-09	3.91E-08	5.83E-09	2.16E-08	1.90E-09	2.94E-08	6.62E-10	3.79E-09	4.52E-10	4.90E-09	6.01E-10	1.98E-09	1.37E-10	2.72E-09
8563	471044.32	3819492.5	7.07E-09	2.97E-08	2.67E-09	3.94E-08	5.89E-09	2.18E-08	1.92E-09	2.96E-08	6.68E-10	3.82E-09	4.56E-10	4.95E-09	6.07E-10	2.00E-09	1.38E-10	2.75E-09
8564	471040.6	3819501.25	7.14E-09	3.00E-08	2.70E-09	3.98E-08	5.94E-09	2.20E-08	1.94E-09	2.99E-08	6.74E-10	3.86E-09	4.60E-10	4.99E-09	6.13E-10	2.02E-09	1.39E-10	2.77E-09

8565	471036.87	3819510	7.20E-09	3.02E-08	2.72E-09	4.01E-08	5.99E-09	2.22E-08	1.95E-09	3.02E-08	6.80E-10	3.89E-09	4.64E-10	5.03E-09	6.18E-10	2.04E-09	1.40E-10	2.80E-09
8566	471033.15	3819518.74	7.26E-09	3.05E-08	2.74E-09	4.05E-08	6.04E-09	2.24E-08	1.97E-09	3.04E-08	6.85E-10	3.92E-09	4.68E-10	5.08E-09	6.23E-10	2.05E-09	1.42E-10	2.82E-09
8567	471029.42	3819527.49	7.31E-09	3.07E-08	2.77E-09	4.08E-08	6.09E-09	2.26E-08	1.99E-09	3.06E-08	6.91E-10	3.95E-09	4.72E-10	5.12E-09	6.28E-10	2.07E-09	1.43E-10	2.84E-09
8568	471025.7	3819536.24	7.37E-09	3.09E-08	2.79E-09	4.11E-08	6.14E-09	2.27E-08	2.00E-09	3.09E-08	6.96E-10	3.98E-09	4.75E-10	5.15E-09	6.32E-10	2.09E-09	1.44E-10	2.86E-09
8569	471021.97	3819544.98	7.42E-09	3.12E-08	2.81E-09	4.14E-08	6.18E-09	2.29E-08	2.01E-09	3.11E-08	7.01E-10	4.01E-09	4.78E-10	5.19E-09	6.37E-10	2.10E-09	1.45E-10	2.88E-09
8570	471018.25	3819553.73	7.47E-09	3.14E-08	2.82E-09	4.16E-08	6.22E-09	2.30E-08	2.03E-09	3.13E-08	7.05E-10	4.04E-09	4.82E-10	5.22E-09	6.41E-10	2.11E-09	1.46E-10	2.90E-09
8571	471014.52	3819562.47	7.51E-09	3.15E-08	2.84E-09	4.19E-08	6.26E-09	2.32E-08	2.04E-09	3.15E-08	7.09E-10	4.06E-09	4.85E-10	5.25E-09	6.45E-10	2.13E-09	1.47E-10	2.92E-09
8572	471010.8	3819571.22	7.55E-09	3.17E-08	2.86E-09	4.21E-08	6.29E-09	2.33E-08	2.05E-09	3.17E-08	7.13E-10	4.08E-09	4.87E-10	5.28E-09	6.49E-10	2.14E-09	1.47E-10	2.93E-09
8573	471007.07	3819579.97	7.59E-09	3.19E-08	2.87E-09	4.24E-08	6.33E-09	2.34E-08	2.06E-09	3.18E-08	7.17E-10	4.11E-09	4.90E-10	5.31E-09	6.52E-10	2.15E-09	1.48E-10	2.95E-09
8574	471003.35	3819588.71	7.63E-09	3.20E-08	2.89E-09	4.26E-08	6.36E-09	2.35E-08	2.07E-09	3.20E-08	7.21E-10	4.13E-09	4.92E-10	5.34E-09	6.55E-10	2.16E-09	1.49E-10	2.96E-09
8575	470999.62	3819597.46	7.67E-09	3.22E-08	2.90E-09	4.28E-08	6.38E-09	2.37E-08	2.08E-09	3.21E-08	7.24E-10	4.14E-09	4.94E-10	5.36E-09	6.58E-10	2.17E-09	1.50E-10	2.98E-09
8576	470995.9	3819606.21	7.70E-09	3.23E-08	2.91E-09	4.29E-08	6.41E-09	2.37E-08	2.09E-09	3.22E-08	7.27E-10	4.16E-09	4.96E-10	5.38E-09	6.61E-10	2.18E-09	1.50E-10	2.99E-09
8577	470992.17	3819614.95	7.72E-09	3.24E-08	2.92E-09	4.31E-08	6.43E-09	2.38E-08	2.10E-09	3.24E-08	7.29E-10	4.17E-09	4.98E-10	5.40E-09	6.63E-10	2.19E-09	1.51E-10	3.00E-09
8578	470988.45	3819623.7	7.75E-09	3.25E-08	2.93E-09	4.32E-08	6.45E-09	2.39E-08	2.10E-09	3.25E-08	7.31E-10	4.19E-09	5.00E-10	5.42E-09	6.65E-10	2.19E-09	1.51E-10	3.01E-09
8579	470984.72	3819632.45	7.77E-09	3.26E-08	2.94E-09	4.33E-08	6.47E-09	2.40E-08	2.11E-09	3.25E-08	7.33E-10	4.20E-09	5.01E-10	5.43E-09	6.67E-10	2.20E-09	1.52E-10	3.02E-09
8580	470981	3819641.19	7.78E-09	3.27E-08	2.94E-09	4.34E-08	6.48E-09	2.40E-08	2.11E-09	3.26E-08	7.35E-10	4.21E-09	5.02E-10	5.44E-09	6.68E-10	2.20E-09	1.52E-10	3.02E-09
8581	470977.27	3819649.94	7.80E-09	3.27E-08	2.95E-09	4.35E-08	6.49E-09	2.41E-08	2.12E-09	3.27E-08	7.36E-10	4.21E-09	5.03E-10	5.45E-09	6.69E-10	2.21E-09	1.52E-10	3.03E-09
8582	470973.55	3819658.69	7.81E-09	3.28E-08	2.95E-09	4.35E-08	6.50E-09	2.41E-08	2.12E-09	3.27E-08	7.37E-10	4.22E-09	5.04E-10	5.46E-09	6.70E-10	2.21E-09	1.52E-10	3.03E-09
8583	470969.82	3819667.43	7.81E-09	3.28E-08	2.96E-09	4.36E-08	6.51E-09	2.41E-08	2.12E-09	3.27E-08	7.38E-10	4.22E-09	5.04E-10	5.47E-09	6.71E-10	2.21E-09	1.52E-10	3.04E-09
8584	470954.93	3819702.42	7.81E-09	3.28E-08	2.95E-09	4.36E-08	6.51E-09	2.41E-08	2.12E-09	3.27E-08	7.38E-10	4.22E-09	5.04E-10	5.46E-09	6.70E-10	2.21E-09	1.52E-10	3.03E-09
8585	470951.2	3819711.16	7.80E-09	3.28E-08	2.95E-09	4.35E-08	6.50E-09	2.41E-08	2.12E-09	3.27E-08	7.37E-10	4.22E-09	5.03E-10	5.46E-09	6.70E-10	2.21E-09	1.52E-10	3.03E-09
8586	470947.48	3819719.91	7.79E-09	3.27E-08	2.95E-09	4.35E-08	6.49E-09	2.40E-08	2.11E-09	3.26E-08	7.36E-10	4.21E-09	5.02E-10	5.45E-09	6.69E-10	2.21E-09	1.52E-10	3.03E-09
8587	470943.75	3819728.66	7.78E-09	3.27E-08	2.94E-09	4.34E-08	6.48E-09	2.40E-08	2.11E-09	3.26E-08	7.34E-10	4.20E-09	5.02E-10	5.44E-09	6.68E-10	2.20E-09	1.52E-10	3.02E-09
8588	470940.03	3819737.4	7.76E-09	3.26E-08	2.94E-09	4.33E-08	6.47E-09	2.40E-08	2.11E-09	3.25E-08	7.33E-10	4.20E-09	5.01E-10	5.43E-09	6.66E-10	2.20E-09	1.51E-10	3.01E-09
8589	470936.3	3819746.15	7.74E-09	3.25E-08	2.93E-09	4.32E-08	6.45E-09	2.39E-08	2.10E-09	3.24E-08	7.31E-10	4.19E-09	4.99E-10	5.42E-09	6.65E-10	2.19E-09	1.51E-10	3.01E-09
8590	470932.58	3819754.9	7.72E-09	3.24E-08	2.92E-09	4.31E-08	6.43E-09	2.38E-08	2.10E-09	3.24E-08	7.29E-10	4.18E-09	4.98E-10	5.40E-09	6.63E-10	2.19E-09	1.51E-10	3.00E-09
8591	470928.85	3819763.64	7.70E-09	3.23E-08	2.91E-09	4.30E-08	6.42E-09	2.38E-08	2.09E-09	3.23E-08	7.27E-10	4.16E-09	4.97E-10	5.39E-09	6.61E-10	2.18E-09	1.50E-10	2.99E-09
8592	470925.13	3819772.39	7.68E-09	3.23E-08	2.90E-09	4.28E-08	6.40E-09	2.37E-08	2.08E-09	3.22E-08	7.25E-10	4.15E-09	4.95E-10	5.37E-09	6.59E-10	2.17E-09	1.50E-10	2.98E-09
8593	470921.4	3819781.14	7.65E-09	3.21E-08	2.90E-09	4.27E-08	6.38E-09	2.36E-08	2.08E-09	3.21E-08	7.23E-10	4.14E-09	4.94E-10	5.35E-09	6.57E-10	2.17E-09	1.49E-10	2.97E-09
8594	470917.68	3819789.88	7.63E-09	3.20E-08	2.89E-09	4.26E-08	6.35E-09	2.35E-08	2.07E-09	3.20E-08	7.20E-10	4.12E-09	4.92E-10	5.34E-09	6.55E-10	2.16E-09	1.49E-10	2.96E-09
8595	470872.98	3819894.84	7.24E-09	3.04E-08	2.74E-09	4.04E-08	6.03E-09	2.23E-08	1.97E-09	3.03E-08	6.84E-10	3.91E-09	4.67E-10	5.07E-09	6.22E-10	2.05E-09	1.41E-10	2.81E-09
8596	470869.25	3819903.58	7.20E-09	3.02E-08	2.72E-09	4.02E-08	6.00E-09	2.22E-08	1.96E-09	3.02E-08	6.80E-10	3.89E-09	4.65E-10	5.04E-09	6.18E-10	2.04E-09	1.41E-10	2.80E-09
8597	470865.53	3819912.33	7.16E-09	3.01E-08	2.71E-09	4.00E-08	5.97E-09	2.21E-08	1.94E-09	3.00E-08	6.76E-10	3.87E-09	4.62E-10	5.01E-09	6.15E-10	2.03E-09	1.40E-10	2.78E-09
8598	470861.8	3819921.08	7.12E-09	2.99E-08	2.69E-09	3.97E-08	5.93E-09	2.20E-08	1.93E-09	2.98E-08	6.73E-10	3.85E-09	4.59E-10	4.98E-09	6.11E-10	2.02E-09	1.39E-10	2.77E-09
8599	470858.08	3819929.82	7.08E-09	2.97E-08	2.68E-09	3.95E-08	5.90E-09	2.18E-08	1.92E-09	2.97E-08	6.69E-10	3.83E-09	4.57E-10	4.95E-09	6.08E-10	2.00E-09	1.38E-10	2.75E-09
8600	470854.35	3819938.57	7.04E-09	2.96E-08	2.66E-09	3.93E-08	5.86E-09	2.17E-08	1.91E-09	2.95E-08	6.65E-10	3.81E-09	4.54E-10	4.92E-09	6.04E-10	1.99E-09	1.37E-10	2.73E-09
8601	470850.63	3819947.32	7.00E-09	2.94E-08	2.65E-09	3.90E-08	5.83E-09	2.16E-08	1.90E-09	2.93E-08	6.61E-10	3.78E-09	4.51E-10	4.89E-09	6.01E-10	1.98E-09	1.37E-10	2.72E-09
8602	470846.9	3819956.06	6.95E-09	2.92E-08	2.63E-09	3.88E-08	5.79E-09	2.15E-08	1.89E-09	2.91E-08	6.56E-10	3.76E-09	4.48E-10	4.86E-09	5.97E-10	1.97E-09	1.36E-10	2.70E-09
8603	470843.18	3819964.81	6.91E-09	2.90E-08	2.61E-09	3.85E-08	5.75E-09	2.13E-08	1.87E-09	2.89E-08	6.52E-10	3.73E-09	4.45E-10	4.83E-09	5.93E-10	1.95E-09	1.35E-10	2.68E-09
8604	470839.45	3819973.56	6.86E-09	2.88E-08	2.59E-09	3.83E-08	5.71E-09	2.12E-08	1.86E-09	2.87E-08	6.48E-10	3.71E-09	4.42E-10	4.80E-09	5.89E-10	1.94E-09	1.34E-10	2.66E-09
8605	470835.73	3819982.3	6.81E-09	2.86E-08	2.58E-09	3.80E-08	5.67E-09	2.10E-08	1.85E-09	2.85E-08	6.43E-10	3.68E-09	4.39E-10	4.76E-09	5.85E-10	1.93E-09	1.33E-10	2.65E-09
8606	470832	3819991.05	6.76E-09	2.84E-08	2.56E-09	3.77E-08	5.63E-09	2.09E-08	1.84E-09	2.83E-08	6.39E-10	3.66E-09	4.36E-10	4.73E-09	5.81E-10	1.91E-09	1.32E-10	2.63E-09
8607	470828.28	3819999.8	6.71E-09	2.82E-08	2.54E-09	3.74E-08	5.59E-09	2.07E-08	1.82E-09	2.81E-08	6.34E-10	3.63E-09	4.33E-10	4.70E-09	5.76E-10	1.90E-09	1.31E-10	2.61E-09
8608	470815.73	3820012.07	6.72E-09	2.82E-08	2.54E-09	3.75E-08	5.60E-09	2.07E-08	1.82E-09	2.82E-08	6.34E-10	3.63E-09	4.33E-10	4.70E-09	5.77E-10	1.90E-09	1.31E-10	2.61E-09
8609	470806.9	3820015.6	6.77E-09	2.84E-08	2.56E-09	3.78E-08	5.64E-09	2.09E-08	1.84E-09	2.84E-08	6.40E-10	3.66E-09	4.37E-10	4.74E-09	5.81E-10	1.92E-09	1.32E-10	2.63E-09
8610	470798.07	3820019.12	6.83E-09	2.87E-08	2.58E-09	3.81E-08	5.69E-09	2.11E-08	1.85E-09	2.86E-08	6.45E-10	3.69E-09	4.40E-10	4.77E-09	5.86E-10	1.93E-09	1.33E-10	2.65E-09
8611	470789.24	3820022.65	6.88E-09	2.89E-08	2.60E-09	3.84E-08	5.73E-09	2.12E-08	1.87E-09	2.88E-08	6.50E-10	3.72E-09	4.44E-10	4.81E-09	5.91E-10	1.95E-09	1.34E-10	2.67E-09
8612	470780.42	3820026.18	6.93E-09	2.91E-08	2.62E-09	3.87E-08	5.78E-09	2.14E-08	1.88E-09	2.91E-08	6.55E-10	3.75E-09	4.47E-10	4.85E-09	5.95E-10	1.96E-09	1.35E-10	2.69E-09
8613	470771.59	3820029.7	6.99E-09	2.93E-08	2.64E-09	3.90E-08	5.82E-09	2.16E-08	1.90E-09	2.93E-08	6.60E-10	3.78E-09	4.51E-10	4.89E-09	6.00E-10	1.98E-09	1.36E-10	2.71E-09
8614	470762.76	3820033.23	7.04E-09	2.96E-08	2.66E-09	3.93E-08	5.87E-09	2.17E-08	1.91E-09	2.95E-08	6.65E-10	3.81E-09	4.54E-10	4.93E-09	6.04E-10	1.99E-09	1.37E-10	2.74E-09
8615	470753.93	3820036.76	7.09E-09	2.98E-08	2.68E-09	3.96E-08	5.91E-09	2.19E-08	1.93E-09	2.97E-08	6.70E-10	3.84E-09	4.58E-10	4.96E-09	6.09E-10	2.01E-09	1.38E-10	2.76E-09

8616	470745.1	3820040.29	7.15E-09	3.00E-08	2.70E-09	3.99E-08	5.95E-09	2.21E-08	1.94E-09	3.00E-08	6.75E-10	3.86E-09	4.61E-10	5.00E-09	6.14E-10	2.02E-09	1.39E-10	2.78E-09
8617	470665.65	3820072.03	7.71E-09	3.24E-08	2.92E-09	4.30E-08	6.43E-09	2.38E-08	2.09E-09	3.23E-08	7.28E-10	4.17E-09	4.98E-10	5.40E-09	6.62E-10	2.18E-09	1.51E-10	3.00E-09
8618	470656.82	3820075.56	7.79E-09	3.27E-08	2.95E-09	4.34E-08	6.49E-09	2.40E-08	2.11E-09	3.26E-08	7.36E-10	4.21E-09	5.02E-10	5.45E-09	6.69E-10	2.20E-09	1.52E-10	3.03E-09
8619	470648	3820079.09	7.87E-09	3.30E-08	2.98E-09	4.39E-08	6.55E-09	2.43E-08	2.14E-09	3.30E-08	7.43E-10	4.25E-09	5.07E-10	5.50E-09	6.75E-10	2.23E-09	1.54E-10	3.06E-09
8620	470639.17	3820082.61	7.95E-09	3.34E-08	3.01E-09	4.43E-08	6.62E-09	2.45E-08	2.16E-09	3.33E-08	7.51E-10	4.30E-09	5.13E-10	5.56E-09	6.83E-10	2.25E-09	1.55E-10	3.09E-09
8621	470630.34	3820086.14	8.04E-09	3.37E-08	3.04E-09	4.48E-08	6.69E-09	2.48E-08	2.18E-09	3.37E-08	7.59E-10	4.34E-09	5.18E-10	5.62E-09	6.90E-10	2.27E-09	1.57E-10	3.12E-09
8622	470621.51	3820089.67	8.13E-09	3.41E-08	3.07E-09	4.53E-08	6.77E-09	2.51E-08	2.21E-09	3.40E-08	7.67E-10	4.39E-09	5.24E-10	5.68E-09	6.98E-10	2.30E-09	1.59E-10	3.16E-09
8623	470612.68	3820093.19	8.22E-09	3.45E-08	3.11E-09	4.58E-08	6.85E-09	2.54E-08	2.23E-09	3.44E-08	7.76E-10	4.44E-09	5.30E-10	5.75E-09	7.06E-10	2.33E-09	1.60E-10	3.19E-09
8624	470603.86	3820096.72	8.32E-09	3.49E-08	3.14E-09	4.64E-08	6.93E-09	2.57E-08	2.26E-09	3.48E-08	7.85E-10	4.50E-09	5.36E-10	5.82E-09	7.14E-10	2.35E-09	1.62E-10	3.23E-09
8625	470595.03	3820100.25	8.42E-09	3.53E-08	3.18E-09	4.69E-08	7.01E-09	2.60E-08	2.28E-09	3.53E-08	7.95E-10	4.55E-09	5.43E-10	5.89E-09	7.23E-10	2.38E-09	1.64E-10	3.27E-09
8626	470586.2	3820103.78	8.52E-09	3.58E-08	3.22E-09	4.75E-08	7.10E-09	2.63E-08	2.31E-09	3.57E-08	8.04E-10	4.61E-09	5.50E-10	5.96E-09	7.31E-10	2.41E-09	1.66E-10	3.31E-09
8627	470577.37	3820107.3	8.63E-09	3.62E-08	3.26E-09	4.81E-08	7.18E-09	2.66E-08	2.34E-09	3.61E-08	8.15E-10	4.66E-09	5.56E-10	6.03E-09	7.40E-10	2.44E-09	1.68E-10	3.35E-09
8628	470568.54	3820110.83	8.73E-09	3.67E-08	3.30E-09	4.87E-08	7.27E-09	2.70E-08	2.37E-09	3.66E-08	8.25E-10	4.72E-09	5.63E-10	6.11E-09	7.50E-10	2.47E-09	1.70E-10	3.39E-09
8629	470559.72	3820114.36	8.84E-09	3.71E-08	3.34E-09	4.93E-08	7.37E-09	2.73E-08	2.40E-09	3.71E-08	8.35E-10	4.78E-09	5.70E-10	6.19E-09	7.59E-10	2.50E-09	1.73E-10	3.44E-09
8630	470550.89	3820117.88	8.96E-09	3.76E-08	3.39E-09	5.00E-08	7.46E-09	2.76E-08	2.43E-09	3.75E-08	8.46E-10	4.84E-09	5.78E-10	6.27E-09	7.69E-10	2.54E-09	1.75E-10	3.48E-09
8631	470542.06	3820121.41	9.07E-09	3.81E-08	3.43E-09	5.06E-08	7.55E-09	2.80E-08	2.46E-09	3.80E-08	8.56E-10	4.90E-09	5.85E-10	6.34E-09	7.79E-10	2.57E-09	1.77E-10	3.52E-09
8632	470533.23	3820124.94	9.18E-09	3.86E-08	3.47E-09	5.12E-08	7.65E-09	2.83E-08	2.49E-09	3.85E-08	8.67E-10	4.96E-09	5.92E-10	6.42E-09	7.88E-10	2.60E-09	1.79E-10	3.57E-09
8633	470524.4	3820128.47	9.30E-09	3.90E-08	3.52E-09	5.19E-08	7.74E-09	2.87E-08	2.52E-09	3.90E-08	8.78E-10	5.03E-09	6.00E-10	6.50E-09	7.98E-10	2.63E-09	1.81E-10	3.61E-09
8634	470515.58	3820131.99	9.41E-09	3.95E-08	3.56E-09	5.25E-08	7.84E-09	2.90E-08	2.55E-09	3.94E-08	8.89E-10	5.09E-09	6.07E-10	6.58E-09	8.08E-10	2.66E-09	1.84E-10	3.65E-09
8635	470506.75	3820135.52	9.52E-09	4.00E-08	3.60E-09	5.31E-08	7.93E-09	2.94E-08	2.58E-09	3.99E-08	8.99E-10	5.15E-09	6.14E-10	6.66E-09	8.17E-10	2.70E-09	1.86E-10	3.70E-09
8636	470497.92	3820139.05	9.63E-09	4.04E-08	3.64E-09	5.37E-08	8.02E-09	2.97E-08	2.61E-09	4.04E-08	9.10E-10	5.21E-09	6.21E-10	6.74E-09	8.27E-10	2.73E-09	1.88E-10	3.74E-09
8637	470489.09	3820142.57	9.74E-09	4.09E-08	3.68E-09	5.43E-08	8.11E-09	3.01E-08	2.64E-09	4.08E-08	9.20E-10	5.26E-09	6.28E-10	6.81E-09	8.36E-10	2.76E-09	1.90E-10	3.78E-09
8638	470480.26	3820146.1	9.84E-09	4.13E-08	3.72E-09	5.49E-08	8.20E-09	3.04E-08	2.67E-09	4.12E-08	9.29E-10	5.32E-09	6.35E-10	6.89E-09	8.45E-10	2.79E-09	1.92E-10	3.82E-09
8639	470471.44	3820149.63	9.94E-09	4.18E-08	3.76E-09	5.55E-08	8.28E-09	3.07E-08	2.70E-09	4.17E-08	9.39E-10	5.38E-09	6.41E-10	6.96E-09	8.54E-10	2.81E-09	1.94E-10	3.86E-09
8640	470462.61	3820153.16	1.00E-08	4.22E-08	3.80E-09	5.60E-08	8.36E-09	3.10E-08	2.73E-09	4.21E-08	9.48E-10	5.43E-09	6.48E-10	7.02E-09	8.62E-10	2.84E-09	1.96E-10	3.90E-09
8641	470453.78	3820156.68	1.01E-08	4.26E-08	3.83E-09	5.65E-08	8.44E-09	3.13E-08	2.75E-09	4.25E-08	9.57E-10	5.48E-09	6.54E-10	7.09E-09	8.70E-10	2.87E-09	1.98E-10	3.94E-09
8642	470444.95	3820160.21	1.02E-08	4.29E-08	3.87E-09	5.70E-08	8.52E-09	3.15E-08	2.78E-09	4.28E-08	9.65E-10	5.53E-09	6.59E-10	7.15E-09	8.78E-10	2.89E-09	1.99E-10	3.97E-09
8643	470436.12	3820163.74	1.03E-08	4.33E-08	3.90E-09	5.75E-08	8.59E-09	3.18E-08	2.80E-09	4.32E-08	9.73E-10	5.57E-09	6.65E-10	7.21E-09	8.85E-10	2.92E-09	2.01E-10	4.00E-09
8644	470427.3	3820167.27	1.04E-08	4.36E-08	3.93E-09	5.79E-08	8.65E-09	3.21E-08	2.82E-09	4.35E-08	9.81E-10	5.62E-09	6.70E-10	7.27E-09	8.92E-10	2.94E-09	2.03E-10	4.04E-09
8645	470418.47	3820170.79	1.05E-08	4.39E-08	3.96E-09	5.84E-08	8.72E-09	3.23E-08	2.84E-09	4.38E-08	9.88E-10	5.66E-09	6.75E-10	7.32E-09	8.98E-10	2.96E-09	2.04E-10	4.06E-09
8646	470409.64	3820174.32	1.05E-08	4.42E-08	3.98E-09	5.88E-08	8.78E-09	3.25E-08	2.86E-09	4.41E-08	9.95E-10	5.70E-09	6.80E-10	7.37E-09	9.04E-10	2.98E-09	2.06E-10	4.09E-09
8647	470400.81	3820177.85	1.06E-08	4.45E-08	4.01E-09	5.91E-08	8.83E-09	3.27E-08	2.88E-09	4.44E-08	1.00E-09	5.73E-09	6.84E-10	7.42E-09	9.10E-10	3.00E-09	2.07E-10	4.12E-09
8648	470391.98	3820181.37	1.07E-08	4.48E-08	4.03E-09	5.95E-08	8.88E-09	3.29E-08	2.89E-09	4.47E-08	1.01E-09	5.77E-09	6.88E-10	7.46E-09	9.15E-10	3.02E-09	2.08E-10	4.14E-09
8649	470383.16	3820184.9	1.07E-08	4.50E-08	4.06E-09	5.98E-08	8.93E-09	3.31E-08	2.91E-09	4.49E-08	1.01E-09	5.80E-09	6.92E-10	7.50E-09	9.21E-10	3.04E-09	2.09E-10	4.17E-09
8650	470374.33	3820188.43	1.08E-08	4.53E-08	4.08E-09	6.01E-08	8.98E-09	3.33E-08	2.93E-09	4.52E-08	1.02E-09	5.83E-09	6.95E-10	7.54E-09	9.25E-10	3.05E-09	2.10E-10	4.19E-09
8651	470365.5	3820191.96	1.08E-08	4.55E-08	4.10E-09	6.04E-08	9.02E-09	3.34E-08	2.94E-09	4.54E-08	1.02E-09	5.85E-09	6.99E-10	7.58E-09	9.30E-10	3.07E-09	2.11E-10	4.21E-09
8652	470356.67	3820195.48	1.09E-08	4.57E-08	4.11E-09	6.07E-08	9.06E-09	3.36E-08	2.95E-09	4.56E-08	1.03E-09	5.88E-09	7.02E-10	7.61E-09	9.34E-10	3.08E-09	2.12E-10	4.23E-09
8653	470347.84	3820199.01	1.09E-08	4.59E-08	4.13E-09	6.09E-08	9.10E-09	3.37E-08	2.97E-09	4.58E-08	1.03E-09	5.91E-09	7.05E-10	7.64E-09	9.38E-10	3.09E-09	2.13E-10	4.24E-09
8654	470339.02	3820202.54	1.10E-08	4.61E-08	4.15E-09	6.12E-08	9.14E-09	3.39E-08	2.98E-09	4.60E-08	1.04E-09	5.93E-09	7.08E-10	7.68E-09	9.42E-10	3.11E-09	2.14E-10	4.26E-09
8655	470330.19	3820206.06	1.10E-08	4.63E-08	4.17E-09	6.15E-08	9.18E-09	3.40E-08	2.99E-09	4.62E-08	1.04E-09	5.96E-09	7.11E-10	7.71E-09	9.46E-10	3.12E-09	2.15E-10	4.28E-09
8656	470321.36	3820209.59	1.11E-08	4.65E-08	4.19E-09	6.17E-08	9.22E-09	3.42E-08	3.00E-09	4.64E-08	1.05E-09	5.98E-09	7.14E-10	7.74E-09	9.50E-10	3.13E-09	2.16E-10	4.30E-09
8657	470312.53	3820213.12	1.11E-08	4.67E-08	4.20E-09	6.20E-08	9.25E-09	3.43E-08	3.02E-09	4.66E-08	1.05E-09	6.01E-09	7.17E-10	7.77E-09	9.54E-10	3.14E-09	2.17E-10	4.32E-09
8658	470303.7	3820216.65	1.11E-08	4.68E-08	4.22E-09	6.22E-08	9.29E-09	3.44E-08	3.03E-09	4.67E-08	1.05E-09	6.03E-09	7.19E-10	7.80E-09	9.57E-10	3.16E-09	2.18E-10	4.33E-09
8659	470294.88	3820220.17	1.12E-08	4.70E-08	4.23E-09	6.24E-08	9.32E-09	3.45E-08	3.04E-09	4.69E-08	1.06E-09	6.05E-09	7.22E-10	7.83E-09	9.60E-10	3.17E-09	2.18E-10	4.35E-09
8660	470286.05	3820223.7	1.12E-08	4.72E-08	4.25E-09	6.26E-08	9.35E-09	3.47E-08	3.05E-09	4.71E-08	1.06E-09	6.07E-09	7.24E-10	7.86E-09	9.64E-10	3.18E-09	2.19E-10	4.36E-09
8661	470277.22	3820227.23	1.13E-08	4.73E-08	4.26E-09	6.29E-08	9.39E-09	3.48E-08	3.06E-09	4.72E-08	1.06E-09	6.09E-09	7.27E-10	7.88E-09	9.68E-10	3.19E-09	2.20E-10	4.38E-09
8662	471059.22	3819457.52	6.79E-09	2.85E-08	2.57E-09	3.79E-08	5.66E-09	2.10E-08	1.84E-09	2.85E-08	6.41E-10	3.67E-09	4.38E-10	4.75E-09	5.83E-10	1.92E-09	1.33E-10	2.64E-09
8663	471059.3	3819447.87	6.78E-09	2.85E-08	2.56E-09	3.78E-08	5.64E-09	2.09E-08	1.84E-09	2.84E-08	6.40E-10	3.66E-09	4.37E-10	4.74E-09	5.82E-10	1.92E-09	1.32E-10	2.63E-09
8664	471059.39	3819438.22	6.75E-09	2.84E-08	2.55E-09	3.77E-08	5.63E-09	2.08E-08	1.83E-09	2.83E-08	6.38E-10	3.65E-09	4.36E-10	4.73E-09	5.80E-10	1.91E-09	1.32E-10	2.62E-09
8665	471059.47	3819428.57	6.73E-09	2.83E-08	2.55E-09	3.75E-08	5.61E-09	2.08E-08	1.83E-09	2.82E-08	6.36E-10	3.64E-09	4.34E-10	4.71E-09	5.78E-10	1.91E-09	1.31E-10	2.61E-09
8666	471059.55	3819418.93	6.70E-09	2.82E-08	2.54E-09	3.74E-08	5.58E-09	2.07E-08	1.82E-09	2.81E-08	6.33E-10	3.62E-09	4.32E-10	4.69E-09	5.75E-10	1.90E-09	1.31E-10	2.60E-09

8667	471059.63	3819409.28	6.67E-09	2.80E-08	2.52E-09	3.72E-08	5.56E-09	2.06E-08	1.81E-09	2.80E-08	6.30E-10	3.61E-09	4.30E-10	4.67E-09	5.73E-10	1.89E-09	1.30E-10	2.59E-09
8668	471059.72	3819399.63	6.63E-09	2.79E-08	2.51E-09	3.70E-08	5.53E-09	2.05E-08	1.80E-09	2.78E-08	6.27E-10	3.59E-09	4.28E-10	4.64E-09	5.70E-10	1.88E-09	1.29E-10	2.58E-09
8669	471059.8	3819389.98	6.59E-09	2.77E-08	2.49E-09	3.68E-08	5.49E-09	2.04E-08	1.79E-09	2.76E-08	6.23E-10	3.57E-09	4.25E-10	4.61E-09	5.66E-10	1.87E-09	1.29E-10	2.56E-09
8670	471059.88	3819380.33	6.55E-09	2.75E-08	2.48E-09	3.65E-08	5.46E-09	2.02E-08	1.78E-09	2.74E-08	6.19E-10	3.54E-09	4.22E-10	4.58E-09	5.62E-10	1.85E-09	1.28E-10	2.54E-09
8671	471059.97	3819370.68	6.50E-09	2.73E-08	2.46E-09	3.63E-08	5.42E-09	2.01E-08	1.76E-09	2.72E-08	6.14E-10	3.51E-09	4.19E-10	4.55E-09	5.58E-10	1.84E-09	1.27E-10	2.53E-09
8672	471060.05	3819361.04	6.45E-09	2.71E-08	2.44E-09	3.60E-08	5.37E-09	1.99E-08	1.75E-09	2.70E-08	6.09E-10	3.49E-09	4.16E-10	4.51E-09	5.54E-10	1.83E-09	1.26E-10	2.50E-09
8673	471060.13	3819351.39	6.39E-09	2.68E-08	2.42E-09	3.56E-08	5.32E-09	1.97E-08	1.73E-09	2.68E-08	6.04E-10	3.45E-09	4.12E-10	4.47E-09	5.49E-10	1.81E-09	1.25E-10	2.48E-09
8674	471060.21	3819341.74	6.33E-09	2.66E-08	2.39E-09	3.53E-08	5.27E-09	1.95E-08	1.72E-09	2.65E-08	5.98E-10	3.42E-09	4.08E-10	4.43E-09	5.43E-10	1.79E-09	1.24E-10	2.46E-09
8675	471060.3	3819332.09	6.26E-09	2.63E-08	2.37E-09	3.49E-08	5.22E-09	1.93E-08	1.70E-09	2.62E-08	5.91E-10	3.39E-09	4.04E-10	4.38E-09	5.38E-10	1.77E-09	1.22E-10	2.43E-09
8676	471060.38	3819322.44	6.19E-09	2.60E-08	2.34E-09	3.45E-08	5.16E-09	1.91E-08	1.68E-09	2.60E-08	5.85E-10	3.35E-09	3.99E-10	4.33E-09	5.32E-10	1.75E-09	1.21E-10	2.41E-09
8677	471060.46	3819312.8	6.12E-09	2.57E-08	2.31E-09	3.41E-08	5.10E-09	1.89E-08	1.66E-09	2.56E-08	5.78E-10	3.31E-09	3.95E-10	4.28E-09	5.25E-10	1.73E-09	1.19E-10	2.38E-09
8678	471060.54	3819303.15	6.04E-09	2.54E-08	2.28E-09	3.37E-08	5.03E-09	1.86E-08	1.64E-09	2.53E-08	5.70E-10	3.26E-09	3.90E-10	4.22E-09	5.18E-10	1.71E-09	1.18E-10	2.35E-09
8679	471060.63	3819293.5	5.96E-09	2.50E-08	2.25E-09	3.32E-08	4.96E-09	1.84E-08	1.62E-09	2.50E-08	5.62E-10	3.22E-09	3.84E-10	4.17E-09	5.11E-10	1.69E-09	1.16E-10	2.31E-09
8680	471060.71	3819283.85	5.87E-09	2.46E-08	2.22E-09	3.27E-08	4.89E-09	1.81E-08	1.59E-09	2.46E-08	5.54E-10	3.17E-09	3.79E-10	4.11E-09	5.04E-10	1.66E-09	1.15E-10	2.28E-09
8681	471060.79	3819274.2	5.78E-09	2.43E-08	2.19E-09	3.22E-08	4.81E-09	1.78E-08	1.57E-09	2.42E-08	5.46E-10	3.12E-09	3.73E-10	4.04E-09	4.96E-10	1.64E-09	1.13E-10	2.24E-09
8682	471060.88	3819264.55	5.68E-09	2.39E-08	2.15E-09	3.17E-08	4.73E-09	1.75E-08	1.54E-09	2.38E-08	5.37E-10	3.07E-09	3.67E-10	3.98E-09	4.88E-10	1.61E-09	1.11E-10	2.21E-09
8683	471060.96	3819254.91	5.59E-09	2.35E-08	2.11E-09	3.12E-08	4.65E-09	1.72E-08	1.52E-09	2.34E-08	5.28E-10	3.02E-09	3.60E-10	3.91E-09	4.80E-10	1.58E-09	1.09E-10	2.17E-09
8684	471135.47	3819467.01	5.70E-09	2.39E-08	2.16E-09	3.18E-08	4.75E-09	1.76E-08	1.55E-09	2.39E-08	5.38E-10	3.08E-09	3.68E-10	3.99E-09	4.89E-10	1.61E-09	1.11E-10	2.21E-09
8685	471131.72	3819475.81	5.76E-09	2.42E-08	2.18E-09	3.21E-08	4.79E-09	1.78E-08	1.56E-09	2.41E-08	5.44E-10	3.11E-09	3.71E-10	4.03E-09	4.94E-10	1.63E-09	1.12E-10	2.24E-09
8686	471127.97	3819484.62	5.81E-09	2.44E-08	2.20E-09	3.24E-08	4.84E-09	1.79E-08	1.58E-09	2.43E-08	5.49E-10	3.14E-09	3.75E-10	4.06E-09	4.99E-10	1.64E-09	1.13E-10	2.26E-09
8687	471124.22	3819493.42	5.86E-09	2.46E-08	2.22E-09	3.27E-08	4.88E-09	1.81E-08	1.59E-09	2.46E-08	5.54E-10	3.17E-09	3.78E-10	4.10E-09	5.03E-10	1.66E-09	1.14E-10	2.28E-09
8688	471120.47	3819502.23	5.92E-09	2.48E-08	2.24E-09	3.30E-08	4.93E-09	1.83E-08	1.61E-09	2.48E-08	5.59E-10	3.20E-09	3.82E-10	4.14E-09	5.08E-10	1.67E-09	1.15E-10	2.30E-09
8689	471116.72	3819511.03	5.97E-09	2.51E-08	2.26E-09	3.33E-08	4.97E-09	1.84E-08	1.62E-09	2.50E-08	5.63E-10	3.23E-09	3.85E-10	4.17E-09	5.12E-10	1.69E-09	1.16E-10	2.32E-09
8690	471112.97	3819519.84	6.02E-09	2.53E-08	2.28E-09	3.36E-08	5.01E-09	1.86E-08	1.63E-09	2.52E-08	5.68E-10	3.25E-09	3.88E-10	4.21E-09	5.16E-10	1.70E-09	1.17E-10	2.34E-09
8691	471109.22	3819528.64	6.06E-09	2.55E-08	2.29E-09	3.38E-08	5.05E-09	1.87E-08	1.65E-09	2.54E-08	5.73E-10	3.28E-09	3.91E-10	4.24E-09	5.20E-10	1.72E-09	1.18E-10	2.36E-09
8692	471105.47	3819537.45	6.11E-09	2.57E-08	2.31E-09	3.41E-08	5.09E-09	1.88E-08	1.66E-09	2.56E-08	5.77E-10	3.30E-09	3.94E-10	4.27E-09	5.24E-10	1.73E-09	1.19E-10	2.37E-09
8693	471101.72	3819546.25	6.15E-09	2.58E-08	2.33E-09	3.43E-08	5.13E-09	1.90E-08	1.67E-09	2.58E-08	5.81E-10	3.33E-09	3.97E-10	4.30E-09	5.28E-10	1.74E-09	1.20E-10	2.39E-09
8694	471097.97	3819555.06	6.19E-09	2.60E-08	2.34E-09	3.46E-08	5.16E-09	1.91E-08	1.68E-09	2.60E-08	5.85E-10	3.35E-09	4.00E-10	4.33E-09	5.32E-10	1.75E-09	1.21E-10	2.41E-09
8695	471094.22	3819563.86	6.24E-09	2.62E-08	2.36E-09	3.48E-08	5.19E-09	1.92E-08	1.69E-09	2.61E-08	5.89E-10	3.37E-09	4.02E-10	4.36E-09	5.35E-10	1.76E-09	1.22E-10	2.42E-09
8696	471090.47	3819572.67	6.27E-09	2.63E-08	2.37E-09	3.50E-08	5.23E-09	1.94E-08	1.70E-09	2.63E-08	5.93E-10	3.39E-09	4.05E-10	4.39E-09	5.39E-10	1.78E-09	1.22E-10	2.44E-09
8697	471086.72	3819581.47	6.31E-09	2.65E-08	2.39E-09	3.52E-08	5.26E-09	1.95E-08	1.71E-09	2.64E-08	5.96E-10	3.41E-09	4.07E-10	4.41E-09	5.42E-10	1.79E-09	1.23E-10	2.45E-09
8698	471082.97	3819590.28	6.35E-09	2.66E-08	2.40E-09	3.54E-08	5.29E-09	1.96E-08	1.72E-09	2.66E-08	5.99E-10	3.43E-09	4.09E-10	4.44E-09	5.45E-10	1.80E-09	1.24E-10	2.46E-09
8699	471079.22	3819599.08	6.38E-09	2.68E-08	2.41E-09	3.56E-08	5.31E-09	1.97E-08	1.73E-09	2.67E-08	6.02E-10	3.45E-09	4.11E-10	4.46E-09	5.48E-10	1.81E-09	1.24E-10	2.48E-09
8700	471075.47	3819607.89	6.41E-09	2.69E-08	2.42E-09	3.57E-08	5.34E-09	1.98E-08	1.74E-09	2.69E-08	6.05E-10	3.46E-09	4.13E-10	4.48E-09	5.50E-10	1.81E-09	1.25E-10	2.49E-09
8701	471071.72	3819616.69	6.44E-09	2.70E-08	2.43E-09	3.59E-08	5.36E-09	1.99E-08	1.75E-09	2.70E-08	6.08E-10	3.48E-09	4.15E-10	4.50E-09	5.53E-10	1.82E-09	1.26E-10	2.50E-09
8702	471067.97	3819625.5	6.46E-09	2.71E-08	2.44E-09	3.60E-08	5.38E-09	1.99E-08	1.75E-09	2.71E-08	6.10E-10	3.49E-09	4.17E-10	4.52E-09	5.55E-10	1.83E-09	1.26E-10	2.51E-09
8703	471064.22	3819634.3	6.49E-09	2.72E-08	2.45E-09	3.62E-08	5.40E-09	2.00E-08	1.76E-09	2.72E-08	6.13E-10	3.51E-09	4.18E-10	4.54E-09	5.57E-10	1.84E-09	1.27E-10	2.52E-09
8704	471060.47	3819643.11	6.51E-09	2.73E-08	2.46E-09	3.63E-08	5.42E-09	2.01E-08	1.77E-09	2.73E-08	6.15E-10	3.52E-09	4.20E-10	4.55E-09	5.59E-10	1.84E-09	1.27E-10	2.53E-09
8705	471056.72	3819651.91	6.53E-09	2.74E-08	2.47E-09	3.64E-08	5.44E-09	2.01E-08	1.77E-09	2.73E-08	6.16E-10	3.53E-09	4.21E-10	4.57E-09	5.60E-10	1.85E-09	1.27E-10	2.54E-09
8706	471052.97	3819660.72	6.54E-09	2.75E-08	2.47E-09	3.65E-08	5.45E-09	2.02E-08	1.78E-09	2.74E-08	6.18E-10	3.54E-09	4.22E-10	4.58E-09	5.62E-10	1.85E-09	1.28E-10	2.54E-09
8707	471049.22	3819669.52	6.56E-09	2.75E-08	2.48E-09	3.66E-08	5.46E-09	2.02E-08	1.78E-09	2.75E-08	6.19E-10	3.54E-09	4.23E-10	4.59E-09	5.63E-10	1.86E-09	1.28E-10	2.55E-09
8708	471045.47	3819678.33	6.57E-09	2.76E-08	2.48E-09	3.66E-08	5.47E-09	2.03E-08	1.78E-09	2.75E-08	6.20E-10	3.55E-09	4.24E-10	4.60E-09	5.64E-10	1.86E-09	1.28E-10	2.55E-09
8709	471041.72	3819687.13	6.58E-09	2.76E-08	2.49E-09	3.67E-08	5.48E-09	2.03E-08	1.79E-09	2.76E-08	6.21E-10	3.56E-09	4.24E-10	4.60E-09	5.65E-10	1.86E-09	1.28E-10	2.55E-09
8710	471015.48	3819748.77	6.57E-09	2.76E-08	2.49E-09	3.67E-08	5.48E-09	2.03E-08	1.78E-09	2.76E-08	6.21E-10	3.55E-09	4.24E-10	4.60E-09	5.64E-10	1.86E-09	1.28E-10	2.55E-09
8711	471011.73	3819757.57	6.57E-09	2.76E-08	2.48E-09	3.66E-08	5.47E-09	2.03E-08	1.78E-09	2.75E-08	6.20E-10	3.55E-09	4.24E-10	4.59E-09	5.64E-10	1.86E-09	1.28E-10	2.55E-09
8712	471007.98	3819766.38	6.56E-09	2.75E-08	2.48E-09	3.66E-08	5.46E-09	2.02E-08	1.78E-09	2.75E-08	6.19E-10	3.54E-09	4.23E-10	4.59E-09	5.63E-10	1.86E-09	1.28E-10	2.55E-09
8713	471004.23	3819775.18	6.54E-09	2.75E-08	2.47E-09	3.65E-08	5.45E-09	2.02E-08	1.78E-09	2.74E-08	6.18E-10	3.54E-09	4.22E-10	4.58E-09	5.62E-10	1.85E-09	1.28E-10	2.54E-09
8714	471000.48	3819783.99	6.53E-09	2.74E-08	2.47E-09	3.64E-08	5.44E-09	2.01E-08	1.77E-09	2.74E-08	6.17E-10	3.53E-09	4.21E-10	4.57E-09	5.61E-10	1.85E-09	1.27E-10	2.54E-09
8715	470996.73	3819792.79	6.51E-09	2.74E-08	2.46E-09	3.63E-08	5.43E-09	2.01E-08	1.77E-09	2.73E-08	6.15E-10	3.52E-09	4.20E-10	4.56E-09	5.59E-10	1.84E-09	1.27E-10	2.53E-09
8716	470992.98	3819801.6	6.50E-09	2.73E-08	2.46E-09	3.62E-08	5.41E-09	2.01E-08	1.76E-09	2.72E-08	6.14E-10	3.51E-09	4.19E-10	4.55E-09	5.58E-10	1.84E-09	1.27E-10	2.52E-09
8717	470989.23	3819810.4	6.48E-09	2.72E-08	2.45E-09	3.62E-08	5.40E-09	2.00E-08	1.76E-09	2.72E-08	6.12E-10	3.50E-09	4.18E-10	4.53E-09	5.56E-10	1.83E-09	1.26E-10	2.52E-09

8718	470985.48	3819819.21	6.46E-09	2.71E-08	2.44E-09	3.60E-08	5.38E-09	1.99E-08	1.75E-09	2.71E-08	6.10E-10	3.49E-09	4.17E-10	4.52E-09	5.55E-10	1.83E-09	1.26E-10	2.51E-09
8719	470981.73	3819828.01	6.44E-09	2.71E-08	2.44E-09	3.59E-08	5.37E-09	1.99E-08	1.75E-09	2.70E-08	6.08E-10	3.48E-09	4.16E-10	4.51E-09	5.53E-10	1.82E-09	1.26E-10	2.50E-09
8720	470977.98	3819836.82	6.42E-09	2.70E-08	2.43E-09	3.58E-08	5.35E-09	1.98E-08	1.74E-09	2.69E-08	6.07E-10	3.47E-09	4.14E-10	4.49E-09	5.51E-10	1.82E-09	1.25E-10	2.50E-09
8721	470974.23	3819845.62	6.40E-09	2.69E-08	2.42E-09	3.57E-08	5.33E-09	1.98E-08	1.74E-09	2.68E-08	6.05E-10	3.46E-09	4.13E-10	4.48E-09	5.50E-10	1.81E-09	1.25E-10	2.49E-09
8722	470970.48	3819854.42	6.38E-09	2.68E-08	2.41E-09	3.56E-08	5.32E-09	1.97E-08	1.73E-09	2.67E-08	6.03E-10	3.45E-09	4.12E-10	4.46E-09	5.48E-10	1.81E-09	1.25E-10	2.48E-09
8723	470966.73	3819863.23	6.36E-09	2.67E-08	2.40E-09	3.55E-08	5.30E-09	1.96E-08	1.73E-09	2.66E-08	6.00E-10	3.44E-09	4.10E-10	4.45E-09	5.46E-10	1.80E-09	1.24E-10	2.47E-09
8724	470962.98	3819872.03	6.34E-09	2.66E-08	2.40E-09	3.53E-08	5.28E-09	1.96E-08	1.72E-09	2.66E-08	5.98E-10	3.43E-09	4.09E-10	4.43E-09	5.44E-10	1.79E-09	1.24E-10	2.46E-09
8725	470959.23	3819880.84	6.31E-09	2.65E-08	2.39E-09	3.52E-08	5.26E-09	1.95E-08	1.71E-09	2.65E-08	5.96E-10	3.41E-09	4.07E-10	4.42E-09	5.42E-10	1.79E-09	1.23E-10	2.45E-09
8726	470955.48	3819889.64	6.29E-09	2.64E-08	2.38E-09	3.51E-08	5.24E-09	1.94E-08	1.71E-09	2.64E-08	5.94E-10	3.40E-09	4.06E-10	4.40E-09	5.40E-10	1.78E-09	1.23E-10	2.44E-09
8727	470951.73	3819898.45	6.26E-09	2.63E-08	2.37E-09	3.49E-08	5.22E-09	1.93E-08	1.70E-09	2.63E-08	5.92E-10	3.39E-09	4.04E-10	4.38E-09	5.38E-10	1.77E-09	1.22E-10	2.43E-09
8728	470947.98	3819907.25	6.24E-09	2.62E-08	2.36E-09	3.48E-08	5.20E-09	1.93E-08	1.69E-09	2.61E-08	5.89E-10	3.37E-09	4.02E-10	4.36E-09	5.36E-10	1.77E-09	1.22E-10	2.42E-09
8729	470944.23	3819916.06	6.21E-09	2.61E-08	2.35E-09	3.47E-08	5.18E-09	1.92E-08	1.69E-09	2.60E-08	5.87E-10	3.36E-09	4.01E-10	4.35E-09	5.33E-10	1.76E-09	1.21E-10	2.41E-09
8730	470940.48	3819924.86	6.19E-09	2.60E-08	2.34E-09	3.45E-08	5.15E-09	1.91E-08	1.68E-09	2.59E-08	5.84E-10	3.34E-09	3.99E-10	4.33E-09	5.31E-10	1.75E-09	1.21E-10	2.40E-09
8731	470936.73	3819933.67	6.16E-09	2.59E-08	2.33E-09	3.44E-08	5.13E-09	1.90E-08	1.67E-09	2.58E-08	5.82E-10	3.33E-09	3.97E-10	4.31E-09	5.29E-10	1.74E-09	1.20E-10	2.39E-09
8732	470921.73	3819968.89	6.05E-09	2.54E-08	2.29E-09	3.37E-08	5.04E-09	1.87E-08	1.64E-09	2.53E-08	5.71E-10	3.27E-09	3.90E-10	4.23E-09	5.19E-10	1.71E-09	1.18E-10	2.35E-09
8733	470917.98	3819977.69	6.02E-09	2.53E-08	2.28E-09	3.36E-08	5.01E-09	1.86E-08	1.63E-09	2.52E-08	5.68E-10	3.25E-09	3.88E-10	4.21E-09	5.17E-10	1.70E-09	1.17E-10	2.34E-09
8734	470914.23	3819986.5	5.99E-09	2.51E-08	2.26E-09	3.34E-08	4.99E-09	1.85E-08	1.63E-09	2.51E-08	5.65E-10	3.24E-09	3.86E-10	4.19E-09	5.14E-10	1.69E-09	1.17E-10	2.33E-09
8735	470910.48	3819995.3	5.95E-09	2.50E-08	2.25E-09	3.32E-08	4.96E-09	1.84E-08	1.62E-09	2.49E-08	5.62E-10	3.22E-09	3.84E-10	4.16E-09	5.11E-10	1.69E-09	1.16E-10	2.31E-09
8736	470906.73	3820004.11	5.92E-09	2.49E-08	2.24E-09	3.30E-08	4.93E-09	1.83E-08	1.61E-09	2.48E-08	5.59E-10	3.20E-09	3.82E-10	4.14E-09	5.08E-10	1.68E-09	1.16E-10	2.30E-09
8737	470902.98	3820012.91	5.89E-09	2.47E-08	2.23E-09	3.28E-08	4.90E-09	1.82E-08	1.60E-09	2.47E-08	5.56E-10	3.18E-09	3.80E-10	4.12E-09	5.05E-10	1.67E-09	1.15E-10	2.29E-09
8738	470899.23	3820021.72	5.85E-09	2.46E-08	2.21E-09	3.26E-08	4.87E-09	1.81E-08	1.59E-09	2.45E-08	5.53E-10	3.16E-09	3.77E-10	4.09E-09	5.02E-10	1.66E-09	1.14E-10	2.27E-09
8739	470895.48	3820030.52	5.82E-09	2.44E-08	2.20E-09	3.24E-08	4.85E-09	1.80E-08	1.58E-09	2.44E-08	5.49E-10	3.14E-09	3.75E-10	4.07E-09	4.99E-10	1.65E-09	1.14E-10	2.26E-09
8740	470891.73	3820039.33	5.78E-09	2.43E-08	2.19E-09	3.22E-08	4.82E-09	1.78E-08	1.57E-09	2.42E-08	5.46E-10	3.13E-09	3.73E-10	4.04E-09	4.96E-10	1.64E-09	1.13E-10	2.25E-09
8741	470887.98	3820048.13	5.74E-09	2.41E-08	2.17E-09	3.20E-08	4.78E-09	1.77E-08	1.56E-09	2.41E-08	5.42E-10	3.11E-09	3.70E-10	4.02E-09	4.93E-10	1.63E-09	1.12E-10	2.23E-09
8742	470884.23	3820056.94	5.71E-09	2.40E-08	2.16E-09	3.18E-08	4.75E-09	1.76E-08	1.55E-09	2.39E-08	5.39E-10	3.08E-09	3.68E-10	3.99E-09	4.90E-10	1.62E-09	1.11E-10	2.22E-09
8743	470871.6	3820069.29	5.71E-09	2.40E-08	2.16E-09	3.19E-08	4.76E-09	1.76E-08	1.55E-09	2.39E-08	5.39E-10	3.09E-09	3.68E-10	4.00E-09	4.90E-10	1.62E-09	1.11E-10	2.22E-09
8744	470862.71	3820072.84	5.75E-09	2.42E-08	2.18E-09	3.21E-08	4.79E-09	1.78E-08	1.56E-09	2.41E-08	5.43E-10	3.11E-09	3.71E-10	4.03E-09	4.94E-10	1.63E-09	1.12E-10	2.24E-09
8745	470853.82	3820076.4	5.79E-09	2.43E-08	2.19E-09	3.23E-08	4.83E-09	1.79E-08	1.57E-09	2.43E-08	5.47E-10	3.13E-09	3.74E-10	4.05E-09	4.97E-10	1.64E-09	1.13E-10	2.25E-09
8746	470844.94	3820079.95	5.83E-09	2.45E-08	2.21E-09	3.25E-08	4.86E-09	1.80E-08	1.58E-09	2.44E-08	5.51E-10	3.15E-09	3.76E-10	4.08E-09	5.01E-10	1.65E-09	1.14E-10	2.27E-09
8747	470836.05	3820083.5	5.87E-09	2.47E-08	2.22E-09	3.28E-08	4.89E-09	1.81E-08	1.59E-09	2.46E-08	5.55E-10	3.18E-09	3.79E-10	4.11E-09	5.04E-10	1.66E-09	1.15E-10	2.28E-09
8748	470827.16	3820087.05	5.91E-09	2.48E-08	2.24E-09	3.30E-08	4.93E-09	1.83E-08	1.61E-09	2.48E-08	5.58E-10	3.20E-09	3.81E-10	4.14E-09	5.08E-10	1.67E-09	1.15E-10	2.30E-09
8749	470818.27	3820090.6	5.96E-09	2.50E-08	2.25E-09	3.32E-08	4.96E-09	1.84E-08	1.62E-09	2.50E-08	5.62E-10	3.22E-09	3.84E-10	4.17E-09	5.11E-10	1.69E-09	1.16E-10	2.31E-09
8750	470809.39	3820094.15	6.00E-09	2.52E-08	2.27E-09	3.34E-08	4.99E-09	1.85E-08	1.63E-09	2.51E-08	5.66E-10	3.24E-09	3.87E-10	4.19E-09	5.15E-10	1.70E-09	1.17E-10	2.33E-09
8751	470800.5	3820097.7	6.04E-09	2.54E-08	2.28E-09	3.37E-08	5.03E-09	1.86E-08	1.64E-09	2.53E-08	5.70E-10	3.26E-09	3.89E-10	4.22E-09	5.18E-10	1.71E-09	1.18E-10	2.34E-09
8752	470791.61	3820101.25	6.08E-09	2.55E-08	2.30E-09	3.39E-08	5.06E-09	1.88E-08	1.65E-09	2.55E-08	5.74E-10	3.29E-09	3.92E-10	4.25E-09	5.22E-10	1.72E-09	1.19E-10	2.36E-09
8753	470782.73	3820104.8	6.12E-09	2.57E-08	2.32E-09	3.42E-08	5.10E-09	1.89E-08	1.66E-09	2.57E-08	5.78E-10	3.31E-09	3.95E-10	4.28E-09	5.26E-10	1.73E-09	1.19E-10	2.38E-09
8754	470773.84	3820108.35	6.17E-09	2.59E-08	2.33E-09	3.44E-08	5.14E-09	1.90E-08	1.67E-09	2.58E-08	5.82E-10	3.33E-09	3.98E-10	4.31E-09	5.29E-10	1.75E-09	1.20E-10	2.40E-09
8755	470764.95	3820111.9	6.21E-09	2.61E-08	2.35E-09	3.46E-08	5.17E-09	1.92E-08	1.69E-09	2.60E-08	5.87E-10	3.36E-09	4.01E-10	4.34E-09	5.33E-10	1.76E-09	1.21E-10	2.41E-09
8756	470684.97	3820143.86	6.69E-09	2.81E-08	2.53E-09	3.73E-08	5.57E-09	2.06E-08	1.82E-09	2.80E-08	6.31E-10	3.61E-09	4.31E-10	4.68E-09	5.74E-10	1.89E-09	1.30E-10	2.60E-09
8757	470676.08	3820147.41	6.75E-09	2.84E-08	2.55E-09	3.77E-08	5.62E-09	2.08E-08	1.83E-09	2.83E-08	6.38E-10	3.65E-09	4.35E-10	4.72E-09	5.80E-10	1.91E-09	1.32E-10	2.62E-09
8758	470667.2	3820150.96	6.82E-09	2.86E-08	2.58E-09	3.80E-08	5.68E-09	2.10E-08	1.85E-09	2.86E-08	6.44E-10	3.69E-09	4.40E-10	4.77E-09	5.86E-10	1.93E-09	1.33E-10	2.65E-09
8759	470658.31	3820154.51	6.89E-09	2.90E-08	2.61E-09	3.85E-08	5.74E-09	2.13E-08	1.87E-09	2.89E-08	6.51E-10	3.73E-09	4.45E-10	4.82E-09	5.92E-10	1.95E-09	1.35E-10	2.68E-09
8760	470649.42	3820158.06	6.97E-09	2.93E-08	2.64E-09	3.89E-08	5.81E-09	2.15E-08	1.89E-09	2.92E-08	6.58E-10	3.77E-09	4.50E-10	4.88E-09	5.98E-10	1.97E-09	1.36E-10	2.71E-09
8761	470640.53	3820161.61	7.05E-09	2.96E-08	2.67E-09	3.93E-08	5.87E-09	2.18E-08	1.91E-09	2.95E-08	6.66E-10	3.81E-09	4.55E-10	4.93E-09	6.05E-10	2.00E-09	1.38E-10	2.74E-09
8762	470631.65	3820165.16	7.13E-09	2.99E-08	2.70E-09	3.98E-08	5.94E-09	2.20E-08	1.94E-09	2.99E-08	6.73E-10	3.85E-09	4.60E-10	4.99E-09	6.12E-10	2.02E-09	1.39E-10	2.77E-09
8763	470622.76	3820168.72	7.21E-09	3.03E-08	2.73E-09	4.02E-08	6.01E-09	2.23E-08	1.96E-09	3.02E-08	6.81E-10	3.90E-09	4.65E-10	5.04E-09	6.19E-10	2.04E-09	1.41E-10	2.80E-09
8764	470613.87	3820172.27	7.30E-09	3.06E-08	2.76E-09	4.07E-08	6.08E-09	2.25E-08	1.98E-09	3.06E-08	6.89E-10	3.94E-09	4.71E-10	5.10E-09	6.26E-10	2.07E-09	1.42E-10	2.83E-09
8765	470604.99	3820175.82	7.38E-09	3.10E-08	2.79E-09	4.12E-08	6.15E-09	2.28E-08	2.00E-09	3.09E-08	6.97E-10	3.99E-09	4.76E-10	5.17E-09	6.34E-10	2.09E-09	1.44E-10	2.87E-09
8766	470596.1	3820179.37	7.47E-09	3.14E-08	2.83E-09	4.17E-08	6.22E-09	2.31E-08	2.03E-09	3.13E-08	7.06E-10	4.04E-09	4.82E-10	5.23E-09	6.42E-10	2.12E-09	1.46E-10	2.90E-09
8767	470587.21	3820182.92	7.56E-09	3.18E-08	2.86E-09	4.22E-08	6.30E-09	2.33E-08	2.05E-09	3.17E-08	7.14E-10	4.09E-09	4.88E-10	5.29E-09	6.49E-10	2.14E-09	1.48E-10	2.94E-09
8768	470578.32	3820186.47	7.66E-09	3.22E-08	2.90E-09	4.27E-08	6.38E-09	2.36E-08	2.08E-09	3.21E-08	7.23E-10	4.14E-09	4.94E-10	5.36E-09	6.57E-10	2.17E-09	1.49E-10	2.97E-09

8769	470569.44	3820190.02	7.75E-09	3.25E-08	2.93E-09	4.32E-08	6.45E-09	2.39E-08	2.10E-09	3.25E-08	7.32E-10	4.19E-09	5.00E-10	5.42E-09	6.65E-10	2.19E-09	1.51E-10	3.01E-09
8770	470560.55	3820193.57	7.84E-09	3.29E-08	2.97E-09	4.38E-08	6.53E-09	2.42E-08	2.13E-09	3.29E-08	7.41E-10	4.24E-09	5.06E-10	5.49E-09	6.73E-10	2.22E-09	1.53E-10	3.05E-09
8771	470551.66	3820197.12	7.94E-09	3.33E-08	3.00E-09	4.43E-08	6.61E-09	2.45E-08	2.16E-09	3.33E-08	7.50E-10	4.29E-09	5.12E-10	5.55E-09	6.82E-10	2.25E-09	1.55E-10	3.08E-09
8772	470542.78	3820200.67	8.03E-09	3.37E-08	3.04E-09	4.48E-08	6.69E-09	2.48E-08	2.18E-09	3.37E-08	7.59E-10	4.34E-09	5.18E-10	5.62E-09	6.90E-10	2.27E-09	1.57E-10	3.12E-09
8773	470533.89	3820204.22	8.13E-09	3.41E-08	3.07E-09	4.53E-08	6.77E-09	2.51E-08	2.21E-09	3.40E-08	7.67E-10	4.39E-09	5.24E-10	5.68E-09	6.98E-10	2.30E-09	1.59E-10	3.16E-09
8774	470525	3820207.77	8.22E-09	3.45E-08	3.11E-09	4.58E-08	6.84E-09	2.54E-08	2.23E-09	3.44E-08	7.76E-10	4.44E-09	5.30E-10	5.75E-09	7.05E-10	2.33E-09	1.60E-10	3.19E-09
8775	470516.12	3820211.32	8.31E-09	3.49E-08	3.14E-09	4.63E-08	6.92E-09	2.56E-08	2.25E-09	3.48E-08	7.84E-10	4.49E-09	5.36E-10	5.81E-09	7.13E-10	2.35E-09	1.62E-10	3.23E-09
8776	470507.23	3820214.88	8.39E-09	3.52E-08	3.17E-09	4.68E-08	6.99E-09	2.59E-08	2.28E-09	3.52E-08	7.93E-10	4.54E-09	5.41E-10	5.87E-09	7.21E-10	2.38E-09	1.64E-10	3.26E-09
8777	470498.34	3820218.43	8.48E-09	3.56E-08	3.21E-09	4.73E-08	7.06E-09	2.62E-08	2.30E-09	3.55E-08	8.00E-10	4.58E-09	5.47E-10	5.93E-09	7.28E-10	2.40E-09	1.65E-10	3.29E-09
8778	470489.45	3820221.98	8.56E-09	3.59E-08	3.24E-09	4.77E-08	7.13E-09	2.64E-08	2.32E-09	3.59E-08	8.08E-10	4.63E-09	5.52E-10	5.99E-09	7.34E-10	2.42E-09	1.67E-10	3.32E-09
8779	470480.57	3820225.53	8.63E-09	3.63E-08	3.26E-09	4.81E-08	7.19E-09	2.66E-08	2.34E-09	3.62E-08	8.15E-10	4.67E-09	5.57E-10	6.04E-09	7.41E-10	2.44E-09	1.68E-10	3.35E-09
8780	470471.68	3820229.08	8.71E-09	3.66E-08	3.29E-09	4.86E-08	7.25E-09	2.69E-08	2.36E-09	3.65E-08	8.22E-10	4.71E-09	5.61E-10	6.09E-09	7.47E-10	2.46E-09	1.70E-10	3.38E-09
8781	470462.79	3820232.63	8.77E-09	3.68E-08	3.32E-09	4.89E-08	7.31E-09	2.71E-08	2.38E-09	3.68E-08	8.29E-10	4.74E-09	5.66E-10	6.14E-09	7.53E-10	2.48E-09	1.71E-10	3.41E-09
8782	470453.91	3820236.18	8.84E-09	3.71E-08	3.34E-09	4.93E-08	7.36E-09	2.73E-08	2.40E-09	3.70E-08	8.35E-10	4.78E-09	5.70E-10	6.18E-09	7.59E-10	2.50E-09	1.72E-10	3.43E-09
8783	470445.02	3820239.73	8.90E-09	3.74E-08	3.37E-09	4.96E-08	7.41E-09	2.75E-08	2.42E-09	3.73E-08	8.41E-10	4.81E-09	5.74E-10	6.23E-09	7.64E-10	2.52E-09	1.74E-10	3.46E-09
8784	470436.13	3820243.28	8.96E-09	3.76E-08	3.39E-09	5.00E-08	7.46E-09	2.76E-08	2.43E-09	3.75E-08	8.46E-10	4.84E-09	5.78E-10	6.27E-09	7.69E-10	2.54E-09	1.75E-10	3.48E-09
8785	470427.25	3820246.83	9.01E-09	3.79E-08	3.41E-09	5.03E-08	7.51E-09	2.78E-08	2.45E-09	3.78E-08	8.51E-10	4.87E-09	5.81E-10	6.31E-09	7.74E-10	2.55E-09	1.76E-10	3.50E-09
8786	470418.36	3820250.38	9.06E-09	3.81E-08	3.43E-09	5.06E-08	7.55E-09	2.80E-08	2.46E-09	3.80E-08	8.56E-10	4.90E-09	5.85E-10	6.34E-09	7.78E-10	2.57E-09	1.77E-10	3.52E-09
8787	470409.47	3820253.93	9.11E-09	3.83E-08	3.45E-09	5.08E-08	7.59E-09	2.81E-08	2.47E-09	3.82E-08	8.60E-10	4.93E-09	5.88E-10	6.37E-09	7.82E-10	2.58E-09	1.78E-10	3.54E-09
8788	470400.58	3820257.48	9.16E-09	3.85E-08	3.46E-09	5.11E-08	7.63E-09	2.83E-08	2.49E-09	3.84E-08	8.65E-10	4.95E-09	5.91E-10	6.40E-09	7.86E-10	2.59E-09	1.79E-10	3.56E-09
8789	470391.7	3820261.04	9.20E-09	3.86E-08	3.48E-09	5.13E-08	7.66E-09	2.84E-08	2.50E-09	3.85E-08	8.68E-10	4.97E-09	5.93E-10	6.43E-09	7.90E-10	2.60E-09	1.79E-10	3.57E-09
8790	470382.81	3820264.59	9.24E-09	3.88E-08	3.49E-09	5.15E-08	7.69E-09	2.85E-08	2.51E-09	3.87E-08	8.72E-10	4.99E-09	5.96E-10	6.46E-09	7.93E-10	2.61E-09	1.80E-10	3.59E-09
8791	470373.92	3820268.14	9.27E-09	3.89E-08	3.51E-09	5.17E-08	7.72E-09	2.86E-08	2.52E-09	3.89E-08	8.76E-10	5.01E-09	5.98E-10	6.49E-09	7.96E-10	2.62E-09	1.81E-10	3.60E-09
8792	470365.04	3820271.69	9.31E-09	3.91E-08	3.52E-09	5.19E-08	7.75E-09	2.87E-08	2.53E-09	3.90E-08	8.79E-10	5.03E-09	6.00E-10	6.51E-09	7.99E-10	2.63E-09	1.82E-10	3.62E-09
8793	470356.15	3820275.24	9.34E-09	3.92E-08	3.53E-09	5.21E-08	7.78E-09	2.88E-08	2.54E-09	3.91E-08	8.82E-10	5.05E-09	6.02E-10	6.53E-09	8.02E-10	2.64E-09	1.82E-10	3.63E-09
8794	470347.26	3820278.79	9.38E-09	3.94E-08	3.55E-09	5.23E-08	7.81E-09	2.89E-08	2.55E-09	3.93E-08	8.85E-10	5.07E-09	6.05E-10	6.56E-09	8.05E-10	2.65E-09	1.83E-10	3.64E-09
8795	470338.37	3820282.34	9.41E-09	3.95E-08	3.56E-09	5.25E-08	7.84E-09	2.90E-08	2.56E-09	3.94E-08	8.89E-10	5.09E-09	6.07E-10	6.58E-09	8.08E-10	2.66E-09	1.84E-10	3.66E-09
8796	470329.49	3820285.89	9.45E-09	3.97E-08	3.57E-09	5.27E-08	7.87E-09	2.92E-08	2.56E-09	3.96E-08	8.92E-10	5.11E-09	6.09E-10	6.61E-09	8.11E-10	2.67E-09	1.84E-10	3.67E-09
8797	470320.6	3820289.44	9.48E-09	3.98E-08	3.59E-09	5.29E-08	7.90E-09	2.93E-08	2.57E-09	3.97E-08	8.95E-10	5.13E-09	6.12E-10	6.63E-09	8.14E-10	2.68E-09	1.85E-10	3.68E-09
8798	470311.71	3820292.99	9.51E-09	4.00E-08	3.60E-09	5.31E-08	7.92E-09	2.94E-08	2.58E-09	3.99E-08	8.98E-10	5.14E-09	6.14E-10	6.65E-09	8.17E-10	2.69E-09	1.86E-10	3.70E-09
8799	470302.83	3820296.54	9.55E-09	4.01E-08	3.61E-09	5.32E-08	7.95E-09	2.95E-08	2.59E-09	4.00E-08	9.01E-10	5.16E-09	6.16E-10	6.68E-09	8.20E-10	2.70E-09	1.86E-10	3.71E-09
8800	470293.94	3820300.09	9.58E-09	4.02E-08	3.62E-09	5.34E-08	7.98E-09	2.96E-08	2.60E-09	4.01E-08	9.05E-10	5.18E-09	6.18E-10	6.70E-09	8.22E-10	2.71E-09	1.87E-10	3.72E-09
8801	470285.05	3820303.65	9.61E-09	4.04E-08	3.64E-09	5.36E-08	8.01E-09	2.97E-08	2.61E-09	4.03E-08	9.08E-10	5.20E-09	6.20E-10	6.72E-09	8.25E-10	2.72E-09	1.88E-10	3.73E-09
8802	470276.17	3820307.2	9.64E-09	4.05E-08	3.65E-09	5.38E-08	8.03E-09	2.98E-08	2.62E-09	4.04E-08	9.11E-10	5.21E-09	6.22E-10	6.75E-09	8.28E-10	2.73E-09	1.88E-10	3.75E-09
8803	471139.22	3819458.2	5.64E-09	2.37E-08	2.13E-09	3.15E-08	4.70E-09	1.74E-08	1.53E-09	2.36E-08	5.33E-10	3.05E-09	3.64E-10	3.95E-09	4.84E-10	1.60E-09	1.10E-10	2.19E-09
8804	471139.3	3819448.56	5.63E-09	2.36E-08	2.13E-09	3.14E-08	4.69E-09	1.74E-08	1.53E-09	2.36E-08	5.31E-10	3.04E-09	3.63E-10	3.94E-09	4.83E-10	1.59E-09	1.10E-10	2.19E-09
8805	471139.38	3819438.91	5.61E-09	2.36E-08	2.12E-09	3.13E-08	4.67E-09	1.73E-08	1.52E-09	2.35E-08	5.30E-10	3.03E-09	3.62E-10	3.92E-09	4.81E-10	1.59E-09	1.09E-10	2.18E-09
8806	471139.47	3819429.26	5.59E-09	2.35E-08	2.11E-09	3.12E-08	4.65E-09	1.72E-08	1.52E-09	2.34E-08	5.28E-10	3.02E-09	3.60E-10	3.91E-09	4.80E-10	1.58E-09	1.09E-10	2.17E-09
8807	471139.55	3819419.61	5.56E-09	2.34E-08	2.10E-09	3.10E-08	4.64E-09	1.72E-08	1.51E-09	2.33E-08	5.26E-10	3.01E-09	3.59E-10	3.89E-09	4.78E-10	1.58E-09	1.09E-10	2.16E-09
8808	471139.63	3819409.96	5.54E-09	2.33E-08	2.10E-09	3.09E-08	4.61E-09	1.71E-08	1.50E-09	2.32E-08	5.23E-10	2.99E-09	3.57E-10	3.88E-09	4.76E-10	1.57E-09	1.08E-10	2.15E-09
8809	471139.71	3819400.31	5.51E-09	2.31E-08	2.08E-09	3.07E-08	4.59E-09	1.70E-08	1.50E-09	2.31E-08	5.20E-10	2.98E-09	3.55E-10	3.86E-09	4.73E-10	1.56E-09	1.08E-10	2.14E-09
8810	471139.8	3819390.67	5.48E-09	2.30E-08	2.07E-09	3.06E-08	4.56E-09	1.69E-08	1.49E-09	2.30E-08	5.17E-10	2.96E-09	3.53E-10	3.83E-09	4.70E-10	1.55E-09	1.07E-10	2.13E-09
8811	471139.88	3819381.02	5.44E-09	2.29E-08	2.06E-09	3.04E-08	4.53E-09	1.68E-08	1.48E-09	2.28E-08	5.14E-10	2.94E-09	3.51E-10	3.81E-09	4.67E-10	1.54E-09	1.06E-10	2.11E-09
8812	471139.96	3819371.37	5.41E-09	2.27E-08	2.04E-09	3.02E-08	4.50E-09	1.67E-08	1.47E-09	2.27E-08	5.11E-10	2.92E-09	3.49E-10	3.78E-09	4.64E-10	1.53E-09	1.05E-10	2.10E-09
8813	471140.05	3819361.72	5.37E-09	2.25E-08	2.03E-09	2.99E-08	4.47E-09	1.66E-08	1.46E-09	2.25E-08	5.07E-10	2.90E-09	3.46E-10	3.75E-09	4.61E-10	1.52E-09	1.05E-10	2.08E-09
8814	471140.13	3819352.07	5.32E-09	2.23E-08	2.01E-09	2.97E-08	4.43E-09	1.64E-08	1.44E-09	2.23E-08	5.03E-10	2.88E-09	3.43E-10	3.72E-09	4.57E-10	1.51E-09	1.04E-10	2.07E-09
8815	471140.21	3819342.43	5.27E-09	2.21E-08	1.99E-09	2.94E-08	4.39E-09	1.63E-08	1.43E-09	2.21E-08	4.98E-10	2.85E-09	3.40E-10	3.69E-09	4.53E-10	1.49E-09	1.03E-10	2.05E-09
8816	471140.62	3819294.18	4.99E-09	2.10E-08	1.89E-09	2.78E-08	4.16E-09	1.54E-08	1.35E-09	2.09E-08	4.71E-10	2.70E-09	3.22E-10	3.49E-09	4.28E-10	1.41E-09	9.74E-11	1.94E-09
8817	471140.71	3819284.54	4.92E-09	2.07E-08	1.86E-09	2.75E-08	4.10E-09	1.52E-08	1.34E-09	2.06E-08	4.65E-10	2.66E-09	3.18E-10	3.44E-09	4.23E-10	1.39E-09	9.61E-11	1.91E-09
8818	471140.79	3819274.89	4.85E-09	2.04E-08	1.84E-09	2.71E-08	4.04E-09	1.50E-08	1.32E-09	2.03E-08	4.58E-10	2.62E-09	3.13E-10	3.40E-09	4.17E-10	1.37E-09	9.47E-11	1.89E-09
8819	471140.87	3819265.24	4.78E-09	2.01E-08	1.81E-09	2.67E-08	3.98E-09	1.48E-08	1.30E-09	2.00E-08	4.52E-10	2.59E-09	3.09E-10	3.35E-09	4.11E-10	1.35E-09	9.34E-11	1.86E-09

8820	471140.96	3819255.59	4.71E-09	1.98E-08	1.78E-09	2.63E-08	3.92E-09	1.45E-08	1.28E-09	1.97E-08	4.45E-10	2.55E-09	3.04E-10	3.30E-09	4.04E-10	1.33E-09	9.19E-11	1.83E-09
8821	471141.04	3819245.94	4.64E-09	1.95E-08	1.75E-09	2.59E-08	3.86E-09	1.43E-08	1.26E-09	1.94E-08	4.38E-10	2.51E-09	2.99E-10	3.24E-09	3.98E-10	1.31E-09	9.04E-11	1.80E-09
8822	471215.44	3819467.74	4.80E-09	2.02E-08	1.82E-09	2.68E-08	4.00E-09	1.48E-08	1.30E-09	2.01E-08	4.54E-10	2.60E-09	3.10E-10	3.36E-09	4.12E-10	1.36E-09	9.37E-11	1.87E-09
8823	471211.67	3819476.6	4.85E-09	2.04E-08	1.83E-09	2.70E-08	4.04E-09	1.50E-08	1.32E-09	2.03E-08	4.58E-10	2.62E-09	3.13E-10	3.39E-09	4.16E-10	1.37E-09	9.46E-11	1.88E-09
8824	471207.9	3819485.45	4.89E-09	2.05E-08	1.85E-09	2.73E-08	4.08E-09	1.51E-08	1.33E-09	2.05E-08	4.62E-10	2.65E-09	3.16E-10	3.42E-09	4.20E-10	1.38E-09	9.55E-11	1.90E-09
8825	471204.13	3819494.31	4.94E-09	2.07E-08	1.87E-09	2.75E-08	4.11E-09	1.52E-08	1.34E-09	2.07E-08	4.66E-10	2.67E-09	3.18E-10	3.45E-09	4.24E-10	1.40E-09	9.63E-11	1.92E-09
8826	471200.36	3819503.16	4.98E-09	2.09E-08	1.88E-09	2.78E-08	4.15E-09	1.54E-08	1.35E-09	2.09E-08	4.70E-10	2.69E-09	3.21E-10	3.48E-09	4.27E-10	1.41E-09	9.71E-11	1.93E-09
8827	471196.59	3819512.01	5.02E-09	2.11E-08	1.90E-09	2.80E-08	4.18E-09	1.55E-08	1.36E-09	2.10E-08	4.74E-10	2.71E-09	3.24E-10	3.51E-09	4.31E-10	1.42E-09	9.80E-11	1.95E-09
8828	471192.82	3819520.87	5.06E-09	2.13E-08	1.91E-09	2.82E-08	4.22E-09	1.56E-08	1.37E-09	2.12E-08	4.78E-10	2.74E-09	3.26E-10	3.54E-09	4.34E-10	1.43E-09	9.87E-11	1.97E-09
8829	471189.05	3819529.72	5.10E-09	2.14E-08	1.93E-09	2.84E-08	4.25E-09	1.57E-08	1.38E-09	2.14E-08	4.82E-10	2.76E-09	3.29E-10	3.57E-09	4.38E-10	1.44E-09	9.95E-11	1.98E-09
8830	471185.28	3819538.58	5.14E-09	2.16E-08	1.94E-09	2.87E-08	4.28E-09	1.59E-08	1.39E-09	2.15E-08	4.85E-10	2.78E-09	3.31E-10	3.59E-09	4.41E-10	1.45E-09	1.00E-10	2.00E-09
8831	471181.51	3819547.43	5.18E-09	2.17E-08	1.96E-09	2.89E-08	4.31E-09	1.60E-08	1.40E-09	2.17E-08	4.89E-10	2.80E-09	3.34E-10	3.62E-09	4.44E-10	1.46E-09	1.01E-10	2.01E-09
8832	471177.74	3819556.28	5.21E-09	2.19E-08	1.97E-09	2.91E-08	4.34E-09	1.61E-08	1.41E-09	2.18E-08	4.92E-10	2.82E-09	3.36E-10	3.65E-09	4.47E-10	1.48E-09	1.02E-10	2.02E-09
8833	471173.97	3819565.14	5.25E-09	2.20E-08	1.98E-09	2.93E-08	4.37E-09	1.62E-08	1.42E-09	2.20E-08	4.95E-10	2.84E-09	3.38E-10	3.67E-09	4.50E-10	1.49E-09	1.02E-10	2.04E-09
8834	471170.2	3819573.99	5.28E-09	2.22E-08	2.00E-09	2.95E-08	4.40E-09	1.63E-08	1.43E-09	2.21E-08	4.99E-10	2.85E-09	3.41E-10	3.69E-09	4.53E-10	1.49E-09	1.03E-10	2.05E-09
8835	471143.8	3819635.97	5.48E-09	2.30E-08	2.07E-09	3.06E-08	4.56E-09	1.69E-08	1.49E-09	2.30E-08	5.17E-10	2.96E-09	3.53E-10	3.83E-09	4.70E-10	1.55E-09	1.07E-10	2.13E-09
8836	471140.03	3819644.82	5.50E-09	2.31E-08	2.08E-09	3.07E-08	4.58E-09	1.70E-08	1.49E-09	2.31E-08	5.20E-10	2.97E-09	3.55E-10	3.85E-09	4.72E-10	1.56E-09	1.07E-10	2.14E-09
8837	471136.26	3819653.68	5.52E-09	2.32E-08	2.09E-09	3.08E-08	4.60E-09	1.70E-08	1.50E-09	2.31E-08	5.22E-10	2.99E-09	3.56E-10	3.86E-09	4.74E-10	1.56E-09	1.08E-10	2.15E-09
8838	471132.49	3819662.53	5.54E-09	2.33E-08	2.10E-09	3.09E-08	4.62E-09	1.71E-08	1.50E-09	2.32E-08	5.23E-10	3.00E-09	3.57E-10	3.88E-09	4.76E-10	1.57E-09	1.08E-10	2.15E-09
8839	471128.72	3819671.39	5.56E-09	2.33E-08	2.10E-09	3.10E-08	4.63E-09	1.72E-08	1.51E-09	2.33E-08	5.25E-10	3.01E-09	3.59E-10	3.89E-09	4.77E-10	1.57E-09	1.08E-10	2.16E-09
8840	471124.95	3819680.24	5.57E-09	2.34E-08	2.11E-09	3.11E-08	4.64E-09	1.72E-08	1.51E-09	2.34E-08	5.26E-10	3.01E-09	3.60E-10	3.90E-09	4.79E-10	1.58E-09	1.09E-10	2.17E-09
8841	471121.18	3819689.1	5.59E-09	2.35E-08	2.11E-09	3.12E-08	4.65E-09	1.72E-08	1.52E-09	2.34E-08	5.28E-10	3.02E-09	3.60E-10	3.91E-09	4.80E-10	1.58E-09	1.09E-10	2.17E-09
8842	471117.41	3819697.95	5.60E-09	2.35E-08	2.12E-09	3.12E-08	4.66E-09	1.73E-08	1.52E-09	2.35E-08	5.29E-10	3.03E-09	3.61E-10	3.92E-09	4.81E-10	1.59E-09	1.09E-10	2.18E-09
8843	471113.64	3819706.8	5.61E-09	2.36E-08	2.12E-09	3.13E-08	4.67E-09	1.73E-08	1.52E-09	2.35E-08	5.30E-10	3.03E-09	3.62E-10	3.92E-09	4.82E-10	1.59E-09	1.09E-10	2.18E-09
8844	471109.87	3819715.66	5.62E-09	2.36E-08	2.12E-09	3.13E-08	4.68E-09	1.73E-08	1.53E-09	2.35E-08	5.30E-10	3.04E-09	3.62E-10	3.93E-09	4.82E-10	1.59E-09	1.10E-10	2.18E-09
8845	471106.09	3819724.51	5.62E-09	2.36E-08	2.13E-09	3.14E-08	4.68E-09	1.74E-08	1.53E-09	2.36E-08	5.31E-10	3.04E-09	3.63E-10	3.93E-09	4.83E-10	1.59E-09	1.10E-10	2.18E-09
8846	471102.32	3819733.37	5.63E-09	2.36E-08	2.13E-09	3.14E-08	4.69E-09	1.74E-08	1.53E-09	2.36E-08	5.32E-10	3.04E-09	3.63E-10	3.94E-09	4.83E-10	1.59E-09	1.10E-10	2.19E-09
8847	471098.55	3819742.22	5.63E-09	2.37E-08	2.13E-09	3.14E-08	4.69E-09	1.74E-08	1.53E-09	2.36E-08	5.32E-10	3.04E-09	3.63E-10	3.94E-09	4.83E-10	1.59E-09	1.10E-10	2.19E-09
8848	471094.78	3819751.07	5.63E-09	2.37E-08	2.13E-09	3.14E-08	4.69E-09	1.74E-08	1.53E-09	2.36E-08	5.32E-10	3.04E-09	3.63E-10	3.94E-09	4.84E-10	1.59E-09	1.10E-10	2.19E-09
8849	471091.01	3819759.93	5.63E-09	2.36E-08	2.13E-09	3.14E-08	4.69E-09	1.74E-08	1.53E-09	2.36E-08	5.32E-10	3.04E-09	3.63E-10	3.94E-09	4.83E-10	1.59E-09	1.10E-10	2.19E-09
8850	471087.24	3819768.78	5.63E-09	2.36E-08	2.13E-09	3.14E-08	4.69E-09	1.74E-08	1.53E-09	2.36E-08	5.31E-10	3.04E-09	3.63E-10	3.94E-09	4.83E-10	1.59E-09	1.10E-10	2.19E-09
8851	471083.47	3819777.64	5.62E-09	2.36E-08	2.13E-09	3.14E-08	4.68E-09	1.74E-08	1.53E-09	2.36E-08	5.31E-10	3.04E-09	3.63E-10	3.93E-09	4.83E-10	1.59E-09	1.10E-10	2.18E-09
8852	471079.7	3819786.49	5.62E-09	2.36E-08	2.12E-09	3.13E-08	4.68E-09	1.73E-08	1.53E-09	2.35E-08	5.31E-10	3.04E-09	3.62E-10	3.93E-09	4.82E-10	1.59E-09	1.10E-10	2.18E-09
8853	471075.93	3819795.34	5.61E-09	2.36E-08	2.12E-09	3.13E-08	4.67E-09	1.73E-08	1.52E-09	2.35E-08	5.30E-10	3.03E-09	3.62E-10	3.93E-09	4.82E-10	1.59E-09	1.10E-10	2.18E-09
8854	471072.16	3819804.2	5.60E-09	2.35E-08	2.12E-09	3.13E-08	4.67E-09	1.73E-08	1.52E-09	2.35E-08	5.29E-10	3.03E-09	3.61E-10	3.92E-09	4.81E-10	1.59E-09	1.09E-10	2.18E-09
8855	471068.39	3819813.05	5.59E-09	2.35E-08	2.12E-09	3.12E-08	4.66E-09	1.73E-08	1.52E-09	2.34E-08	5.28E-10	3.02E-09	3.61E-10	3.91E-09	4.80E-10	1.58E-09	1.09E-10	2.17E-09
8856	471064.62	3819821.91	5.58E-09	2.34E-08	2.11E-09	3.11E-08	4.65E-09	1.72E-08	1.52E-09	2.34E-08	5.27E-10	3.02E-09	3.60E-10	3.91E-09	4.79E-10	1.58E-09	1.09E-10	2.17E-09
8857	471060.85	3819830.76	5.57E-09	2.34E-08	2.11E-09	3.11E-08	4.64E-09	1.72E-08	1.51E-09	2.33E-08	5.26E-10	3.01E-09	3.59E-10	3.90E-09	4.78E-10	1.58E-09	1.09E-10	2.16E-09
8858	471057.08	3819839.61	5.56E-09	2.33E-08	2.10E-09	3.10E-08	4.63E-09	1.72E-08	1.51E-09	2.33E-08	5.25E-10	3.01E-09	3.59E-10	3.89E-09	4.77E-10	1.57E-09	1.08E-10	2.16E-09
8859	471053.3	3819848.47	5.55E-09	2.33E-08	2.10E-09	3.09E-08	4.62E-09	1.71E-08	1.51E-09	2.32E-08	5.24E-10	3.00E-09	3.58E-10	3.88E-09	4.76E-10	1.57E-09	1.08E-10	2.15E-09
8860	471049.53	3819857.32	5.53E-09	2.32E-08	2.09E-09	3.09E-08	4.61E-09	1.71E-08	1.50E-09	2.32E-08	5.22E-10	2.99E-09	3.57E-10	3.87E-09	4.75E-10	1.57E-09	1.08E-10	2.15E-09
8861	471045.76	3819866.18	5.52E-09	2.32E-08	2.09E-09	3.08E-08	4.60E-09	1.70E-08	1.50E-09	2.31E-08	5.21E-10	2.98E-09	3.56E-10	3.86E-09	4.74E-10	1.56E-09	1.08E-10	2.14E-09
8862	471041.99	3819875.03	5.50E-09	2.31E-08	2.08E-09	3.07E-08	4.58E-09	1.70E-08	1.49E-09	2.31E-08	5.19E-10	2.97E-09	3.55E-10	3.85E-09	4.72E-10	1.56E-09	1.07E-10	2.14E-09
8863	471038.22	3819883.88	5.49E-09	2.30E-08	2.07E-09	3.06E-08	4.57E-09	1.69E-08	1.49E-09	2.30E-08	5.18E-10	2.97E-09	3.54E-10	3.84E-09	4.71E-10	1.55E-09	1.07E-10	2.13E-09
8864	471034.45	3819892.74	5.47E-09	2.30E-08	2.07E-09	3.05E-08	4.56E-09	1.69E-08	1.48E-09	2.29E-08	5.16E-10	2.96E-09	3.53E-10	3.83E-09	4.69E-10	1.55E-09	1.07E-10	2.12E-09
8865	471030.68	3819901.59	5.45E-09	2.29E-08	2.06E-09	3.04E-08	4.54E-09	1.68E-08	1.48E-09	2.28E-08	5.15E-10	2.95E-09	3.52E-10	3.81E-09	4.68E-10	1.54E-09	1.06E-10	2.12E-09
8866	471026.91	3819910.45	5.44E-09	2.28E-08	2.06E-09	3.03E-08	4.53E-09	1.68E-08	1.48E-09	2.28E-08	5.13E-10	2.94E-09	3.51E-10	3.80E-09	4.67E-10	1.54E-09	1.06E-10	2.11E-09
8867	471023.14	3819919.3	5.42E-09	2.28E-08	2.05E-09	3.02E-08	4.51E-09	1.67E-08	1.47E-09	2.27E-08	5.12E-10	2.93E-09	3.49E-10	3.79E-09	4.65E-10	1.53E-09	1.06E-10	2.10E-09
8868	471019.37	3819928.15	5.40E-09	2.27E-08	2.04E-09	3.01E-08	4.50E-09	1.67E-08	1.47E-09	2.26E-08	5.10E-10	2.92E-09	3.48E-10	3.78E-09	4.64E-10	1.53E-09	1.05E-10	2.10E-09
8869	471015.6	3819937.01	5.38E-09	2.26E-08	2.04E-09	3.00E-08	4.48E-09	1.66E-08	1.46E-09	2.26E-08	5.08E-10	2.91E-09	3.47E-10	3.77E-09	4.62E-10	1.52E-09	1.05E-10	2.09E-09
8870	471011.83	3819945.86	5.36E-09	2.25E-08	2.03E-09	2.99E-08	4.47E-09	1.66E-08	1.46E-09	2.25E-08	5.07E-10	2.90E-09	3.46E-10	3.75E-09	4.61E-10	1.52E-09	1.05E-10	2.08E-09

8871	471008.06	3819954.72	5.35E-09	2.25E-08	2.02E-09	2.98E-08	4.45E-09	1.65E-08	1.45E-09	2.24E-08	5.05E-10	2.89E-09	3.45E-10	3.74E-09	4.59E-10	1.51E-09	1.04E-10	2.08E-09
8872	471004.29	3819963.57	5.33E-09	2.24E-08	2.01E-09	2.97E-08	4.44E-09	1.64E-08	1.45E-09	2.23E-08	5.03E-10	2.88E-09	3.44E-10	3.73E-09	4.57E-10	1.51E-09	1.04E-10	2.07E-09
8873	471000.51	3819972.43	5.31E-09	2.23E-08	2.01E-09	2.96E-08	4.42E-09	1.64E-08	1.44E-09	2.22E-08	5.01E-10	2.87E-09	3.42E-10	3.71E-09	4.56E-10	1.50E-09	1.04E-10	2.06E-09
8874	470996.74	3819981.28	5.29E-09	2.22E-08	2.00E-09	2.95E-08	4.40E-09	1.63E-08	1.44E-09	2.22E-08	4.99E-10	2.86E-09	3.41E-10	3.70E-09	4.54E-10	1.50E-09	1.03E-10	2.05E-09
8875	470992.97	3819990.13	5.27E-09	2.21E-08	1.99E-09	2.94E-08	4.39E-09	1.63E-08	1.43E-09	2.21E-08	4.97E-10	2.85E-09	3.40E-10	3.68E-09	4.52E-10	1.49E-09	1.03E-10	2.05E-09
8876	470989.2	3819998.99	5.24E-09	2.20E-08	1.98E-09	2.93E-08	4.37E-09	1.62E-08	1.42E-09	2.20E-08	4.95E-10	2.84E-09	3.38E-10	3.67E-09	4.50E-10	1.48E-09	1.02E-10	2.04E-09
8877	470985.43	3820007.84	5.22E-09	2.19E-08	1.98E-09	2.91E-08	4.35E-09	1.61E-08	1.42E-09	2.19E-08	4.93E-10	2.82E-09	3.37E-10	3.65E-09	4.48E-10	1.48E-09	1.02E-10	2.03E-09
8878	470981.66	3820016.7	5.20E-09	2.18E-08	1.97E-09	2.90E-08	4.33E-09	1.61E-08	1.41E-09	2.18E-08	4.91E-10	2.81E-09	3.35E-10	3.64E-09	4.47E-10	1.47E-09	1.01E-10	2.02E-09
8879	470962.81	3820060.97	5.08E-09	2.13E-08	1.92E-09	2.83E-08	4.23E-09	1.57E-08	1.38E-09	2.13E-08	4.80E-10	2.75E-09	3.28E-10	3.55E-09	4.36E-10	1.44E-09	9.92E-11	1.97E-09
8880	470959.04	3820069.82	5.05E-09	2.12E-08	1.91E-09	2.82E-08	4.21E-09	1.56E-08	1.37E-09	2.12E-08	4.77E-10	2.73E-09	3.26E-10	3.54E-09	4.34E-10	1.43E-09	9.86E-11	1.96E-09
8881	470955.27	3820078.67	5.03E-09	2.11E-08	1.90E-09	2.80E-08	4.19E-09	1.55E-08	1.36E-09	2.11E-08	4.75E-10	2.72E-09	3.24E-10	3.52E-09	4.32E-10	1.42E-09	9.81E-11	1.95E-09
8882	470951.5	3820087.53	5.00E-09	2.10E-08	1.89E-09	2.79E-08	4.16E-09	1.54E-08	1.36E-09	2.10E-08	4.72E-10	2.70E-09	3.23E-10	3.50E-09	4.29E-10	1.42E-09	9.76E-11	1.94E-09
8883	470947.72	3820096.38	4.97E-09	2.09E-08	1.88E-09	2.77E-08	4.14E-09	1.53E-08	1.35E-09	2.08E-08	4.70E-10	2.69E-09	3.21E-10	3.48E-09	4.27E-10	1.41E-09	9.70E-11	1.93E-09
8884	470943.95	3820105.24	4.94E-09	2.08E-08	1.87E-09	2.76E-08	4.12E-09	1.53E-08	1.34E-09	2.07E-08	4.67E-10	2.67E-09	3.19E-10	3.46E-09	4.24E-10	1.40E-09	9.65E-11	1.92E-09
8885	470940.18	3820114.09	4.92E-09	2.06E-08	1.86E-09	2.74E-08	4.09E-09	1.52E-08	1.33E-09	2.06E-08	4.64E-10	2.66E-09	3.17E-10	3.44E-09	4.22E-10	1.39E-09	9.59E-11	1.91E-09
8886	470927.48	3820126.51	4.92E-09	2.07E-08	1.86E-09	2.75E-08	4.10E-09	1.52E-08	1.34E-09	2.06E-08	4.65E-10	2.66E-09	3.17E-10	3.44E-09	4.22E-10	1.39E-09	9.60E-11	1.91E-09
8887	470918.54	3820130.09	4.95E-09	2.08E-08	1.87E-09	2.76E-08	4.13E-09	1.53E-08	1.34E-09	2.08E-08	4.68E-10	2.68E-09	3.20E-10	3.47E-09	4.25E-10	1.40E-09	9.67E-11	1.92E-09
8888	470909.6	3820133.66	4.99E-09	2.09E-08	1.89E-09	2.78E-08	4.15E-09	1.54E-08	1.35E-09	2.09E-08	4.71E-10	2.70E-09	3.22E-10	3.49E-09	4.28E-10	1.41E-09	9.73E-11	1.94E-09
8889	470900.67	3820137.23	5.02E-09	2.11E-08	1.90E-09	2.80E-08	4.18E-09	1.55E-08	1.36E-09	2.10E-08	4.74E-10	2.71E-09	3.24E-10	3.51E-09	4.31E-10	1.42E-09	9.79E-11	1.95E-09
8890	470891.73	3820140.8	5.05E-09	2.12E-08	1.91E-09	2.82E-08	4.21E-09	1.56E-08	1.37E-09	2.12E-08	4.77E-10	2.73E-09	3.26E-10	3.53E-09	4.34E-10	1.43E-09	9.86E-11	1.96E-09
8891	470882.79	3820144.37	5.08E-09	2.13E-08	1.92E-09	2.84E-08	4.23E-09	1.57E-08	1.38E-09	2.13E-08	4.80E-10	2.75E-09	3.28E-10	3.56E-09	4.36E-10	1.44E-09	9.92E-11	1.97E-09
8892	470873.86	3820147.94	5.11E-09	2.15E-08	1.93E-09	2.85E-08	4.26E-09	1.58E-08	1.39E-09	2.14E-08	4.83E-10	2.77E-09	3.30E-10	3.58E-09	4.39E-10	1.45E-09	9.98E-11	1.99E-09
8893	470864.92	3820151.51	5.15E-09	2.16E-08	1.95E-09	2.87E-08	4.29E-09	1.59E-08	1.40E-09	2.16E-08	4.86E-10	2.78E-09	3.32E-10	3.60E-09	4.42E-10	1.46E-09	1.00E-10	2.00E-09
8894	470855.98	3820155.08	5.18E-09	2.17E-08	1.96E-09	2.89E-08	4.31E-09	1.60E-08	1.41E-09	2.17E-08	4.89E-10	2.80E-09	3.34E-10	3.62E-09	4.44E-10	1.47E-09	1.01E-10	2.01E-09
8895	470847.05	3820158.65	5.21E-09	2.19E-08	1.97E-09	2.91E-08	4.34E-09	1.61E-08	1.41E-09	2.18E-08	4.92E-10	2.82E-09	3.36E-10	3.64E-09	4.47E-10	1.47E-09	1.02E-10	2.02E-09
8896	470838.11	3820162.22	5.24E-09	2.20E-08	1.98E-09	2.92E-08	4.37E-09	1.62E-08	1.42E-09	2.20E-08	4.95E-10	2.83E-09	3.38E-10	3.67E-09	4.50E-10	1.48E-09	1.02E-10	2.04E-09
8897	470829.17	3820165.79	5.28E-09	2.22E-08	2.00E-09	2.94E-08	4.39E-09	1.63E-08	1.43E-09	2.21E-08	4.98E-10	2.85E-09	3.40E-10	3.69E-09	4.53E-10	1.49E-09	1.03E-10	2.05E-09
8898	470820.24	3820169.36	5.31E-09	2.23E-08	2.01E-09	2.96E-08	4.42E-09	1.64E-08	1.44E-09	2.22E-08	5.01E-10	2.87E-09	3.42E-10	3.71E-09	4.56E-10	1.50E-09	1.04E-10	2.06E-09
8899	470811.3	3820172.93	5.34E-09	2.24E-08	2.02E-09	2.98E-08	4.45E-09	1.65E-08	1.45E-09	2.24E-08	5.05E-10	2.89E-09	3.45E-10	3.74E-09	4.59E-10	1.51E-09	1.04E-10	2.08E-09
8900	470802.36	3820176.5	5.38E-09	2.26E-08	2.03E-09	3.00E-08	4.48E-09	1.66E-08	1.46E-09	2.25E-08	5.08E-10	2.91E-09	3.47E-10	3.76E-09	4.62E-10	1.52E-09	1.05E-10	2.09E-09
8901	470793.43	3820180.07	5.41E-09	2.27E-08	2.05E-09	3.02E-08	4.51E-09	1.67E-08	1.47E-09	2.27E-08	5.11E-10	2.93E-09	3.49E-10	3.79E-09	4.65E-10	1.53E-09	1.06E-10	2.10E-09
8902	470784.49	3820183.64	5.45E-09	2.29E-08	2.06E-09	3.04E-08	4.54E-09	1.68E-08	1.48E-09	2.28E-08	5.15E-10	2.95E-09	3.52E-10	3.81E-09	4.68E-10	1.54E-09	1.06E-10	2.12E-09
8903	470704.06	3820215.78	5.87E-09	2.47E-08	2.22E-09	3.27E-08	4.89E-09	1.81E-08	1.59E-09	2.46E-08	5.54E-10	3.17E-09	3.79E-10	4.11E-09	5.04E-10	1.66E-09	1.15E-10	2.28E-09
8904	470695.12	3820219.35	5.93E-09	2.49E-08	2.24E-09	3.31E-08	4.94E-09	1.83E-08	1.61E-09	2.48E-08	5.60E-10	3.20E-09	3.82E-10	4.15E-09	5.09E-10	1.68E-09	1.16E-10	2.30E-09
8905	470686.19	3820222.92	5.99E-09	2.51E-08	2.26E-09	3.34E-08	4.99E-09	1.85E-08	1.63E-09	2.51E-08	5.65E-10	3.24E-09	3.86E-10	4.19E-09	5.14E-10	1.70E-09	1.17E-10	2.33E-09
8906	470677.25	3820226.49	6.05E-09	2.54E-08	2.29E-09	3.38E-08	5.04E-09	1.87E-08	1.64E-09	2.54E-08	5.71E-10	3.27E-09	3.90E-10	4.23E-09	5.19E-10	1.71E-09	1.18E-10	2.35E-09
8907	470668.31	3820230.06	6.12E-09	2.57E-08	2.31E-09	3.41E-08	5.09E-09	1.89E-08	1.66E-09	2.56E-08	5.78E-10	3.31E-09	3.95E-10	4.28E-09	5.25E-10	1.73E-09	1.19E-10	2.38E-09
8908	470659.38	3820233.63	6.18E-09	2.60E-08	2.34E-09	3.45E-08	5.15E-09	1.91E-08	1.68E-09	2.59E-08	5.84E-10	3.34E-09	3.99E-10	4.33E-09	5.31E-10	1.75E-09	1.21E-10	2.40E-09
8909	470650.44	3820237.2	6.25E-09	2.63E-08	2.36E-09	3.49E-08	5.21E-09	1.93E-08	1.70E-09	2.62E-08	5.90E-10	3.38E-09	4.03E-10	4.37E-09	5.37E-10	1.77E-09	1.22E-10	2.43E-09
8910	470641.5	3820240.77	6.33E-09	2.66E-08	2.39E-09	3.53E-08	5.27E-09	1.95E-08	1.72E-09	2.65E-08	5.97E-10	3.42E-09	4.08E-10	4.43E-09	5.43E-10	1.79E-09	1.23E-10	2.46E-09
8911	470632.57	3820244.34	6.40E-09	2.69E-08	2.42E-09	3.57E-08	5.33E-09	1.98E-08	1.74E-09	2.68E-08	6.05E-10	3.46E-09	4.13E-10	4.48E-09	5.50E-10	1.81E-09	1.25E-10	2.49E-09
8912	470623.63	3820247.92	6.48E-09	2.72E-08	2.45E-09	3.62E-08	5.40E-09	2.00E-08	1.76E-09	2.72E-08	6.12E-10	3.50E-09	4.18E-10	4.53E-09	5.56E-10	1.83E-09	1.26E-10	2.52E-09
8913	470614.69	3820251.49	6.56E-09	2.75E-08	2.48E-09	3.66E-08	5.46E-09	2.02E-08	1.78E-09	2.75E-08	6.19E-10	3.55E-09	4.23E-10	4.59E-09	5.63E-10	1.86E-09	1.28E-10	2.55E-09
8914	470605.76	3820255.06	6.64E-09	2.79E-08	2.51E-09	3.70E-08	5.53E-09	2.05E-08	1.80E-09	2.78E-08	6.27E-10	3.59E-09	4.28E-10	4.64E-09	5.70E-10	1.88E-09	1.30E-10	2.58E-09
8915	470596.82	3820258.63	6.72E-09	2.82E-08	2.54E-09	3.75E-08	5.59E-09	2.07E-08	1.82E-09	2.81E-08	6.34E-10	3.63E-09	4.33E-10	4.70E-09	5.77E-10	1.90E-09	1.31E-10	2.61E-09
8916	470587.88	3820262.2	6.80E-09	2.85E-08	2.57E-09	3.79E-08	5.66E-09	2.10E-08	1.85E-09	2.85E-08	6.42E-10	3.67E-09	4.38E-10	4.75E-09	5.83E-10	1.92E-09	1.33E-10	2.64E-09
8917	470578.95	3820265.77	6.88E-09	2.89E-08	2.60E-09	3.83E-08	5.73E-09	2.12E-08	1.87E-09	2.88E-08	6.49E-10	3.72E-09	4.43E-10	4.81E-09	5.90E-10	1.95E-09	1.34E-10	2.67E-09
8918	470570.01	3820269.34	6.95E-09	2.92E-08	2.63E-09	3.88E-08	5.79E-09	2.15E-08	1.89E-09	2.91E-08	6.57E-10	3.76E-09	4.49E-10	4.86E-09	5.97E-10	1.97E-09	1.36E-10	2.70E-09
8919	470561.07	3820272.91	7.03E-09	2.95E-08	2.66E-09	3.92E-08	5.86E-09	2.17E-08	1.91E-09	2.95E-08	6.64E-10	3.80E-09	4.54E-10	4.92E-09	6.04E-10	1.99E-09	1.37E-10	2.73E-09
8920	470552.14	3820276.48	7.11E-09	2.98E-08	2.69E-09	3.96E-08	5.92E-09	2.19E-08	1.93E-09	2.98E-08	6.71E-10	3.84E-09	4.58E-10	4.97E-09	6.10E-10	2.01E-09	1.39E-10	2.76E-09
8921	470543.2	3820280.05	7.18E-09	3.02E-08	2.72E-09	4.01E-08	5.98E-09	2.22E-08	1.95E-09	3.01E-08	6.78E-10	3.88E-09	4.63E-10	5.02E-09	6.17E-10	2.03E-09	1.40E-10	2.79E-09

8922	470534.26	3820283.62	7.25E-09	3.05E-08	2.74E-09	4.05E-08	6.04E-09	2.24E-08	1.97E-09	3.04E-08	6.85E-10	3.92E-09	4.68E-10	5.07E-09	6.23E-10	2.05E-09	1.42E-10	2.82E-09
8923	470525.33	3820287.19	7.32E-09	3.08E-08	2.77E-09	4.09E-08	6.10E-09	2.26E-08	1.99E-09	3.07E-08	6.92E-10	3.96E-09	4.72E-10	5.12E-09	6.29E-10	2.07E-09	1.43E-10	2.85E-09
8924	470516.39	3820290.76	7.39E-09	3.10E-08	2.80E-09	4.12E-08	6.16E-09	2.28E-08	2.01E-09	3.10E-08	6.98E-10	4.00E-09	4.77E-10	5.17E-09	6.35E-10	2.09E-09	1.44E-10	2.87E-09
8925	470507.45	3820294.33	7.46E-09	3.13E-08	2.82E-09	4.16E-08	6.21E-09	2.30E-08	2.02E-09	3.13E-08	7.04E-10	4.03E-09	4.81E-10	5.22E-09	6.40E-10	2.11E-09	1.46E-10	2.90E-09
8926	470498.52	3820297.9	7.52E-09	3.16E-08	2.84E-09	4.20E-08	6.26E-09	2.32E-08	2.04E-09	3.15E-08	7.10E-10	4.07E-09	4.85E-10	5.26E-09	6.46E-10	2.13E-09	1.47E-10	2.92E-09
8927	470489.58	3820301.47	7.58E-09	3.18E-08	2.87E-09	4.23E-08	6.31E-09	2.34E-08	2.06E-09	3.18E-08	7.16E-10	4.10E-09	4.89E-10	5.30E-09	6.51E-10	2.15E-09	1.48E-10	2.94E-09
8928	470480.64	3820305.04	7.64E-09	3.21E-08	2.89E-09	4.26E-08	6.36E-09	2.36E-08	2.07E-09	3.20E-08	7.21E-10	4.13E-09	4.93E-10	5.34E-09	6.56E-10	2.16E-09	1.49E-10	2.97E-09
8929	470471.71	3820308.62	7.69E-09	3.23E-08	2.91E-09	4.29E-08	6.40E-09	2.37E-08	2.09E-09	3.22E-08	7.26E-10	4.16E-09	4.96E-10	5.38E-09	6.60E-10	2.18E-09	1.50E-10	2.99E-09
8930	470462.77	3820312.19	7.73E-09	3.25E-08	2.93E-09	4.31E-08	6.44E-09	2.39E-08	2.10E-09	3.24E-08	7.30E-10	4.18E-09	4.99E-10	5.41E-09	6.64E-10	2.19E-09	1.51E-10	3.00E-09
8931	470453.83	3820315.76	7.78E-09	3.27E-08	2.94E-09	4.34E-08	6.48E-09	2.40E-08	2.11E-09	3.26E-08	7.34E-10	4.20E-09	5.02E-10	5.44E-09	6.68E-10	2.20E-09	1.52E-10	3.02E-09
8932	470444.9	3820319.33	7.82E-09	3.28E-08	2.96E-09	4.36E-08	6.51E-09	2.41E-08	2.12E-09	3.28E-08	7.38E-10	4.23E-09	5.04E-10	5.47E-09	6.71E-10	2.21E-09	1.53E-10	3.04E-09
8933	470435.96	3820322.9	7.86E-09	3.30E-08	2.97E-09	4.38E-08	6.55E-09	2.42E-08	2.13E-09	3.29E-08	7.42E-10	4.25E-09	5.07E-10	5.50E-09	6.75E-10	2.22E-09	1.53E-10	3.05E-09
8934	470427.02	3820326.47	7.90E-09	3.32E-08	2.99E-09	4.40E-08	6.58E-09	2.44E-08	2.14E-09	3.31E-08	7.46E-10	4.27E-09	5.09E-10	5.52E-09	6.78E-10	2.23E-09	1.54E-10	3.07E-09
8935	470418.09	3820330.04	7.93E-09	3.33E-08	3.00E-09	4.42E-08	6.61E-09	2.45E-08	2.15E-09	3.32E-08	7.49E-10	4.29E-09	5.12E-10	5.55E-09	6.81E-10	2.25E-09	1.55E-10	3.08E-09
8936	470409.15	3820333.61	7.97E-09	3.35E-08	3.01E-09	4.44E-08	6.63E-09	2.46E-08	2.16E-09	3.34E-08	7.52E-10	4.31E-09	5.14E-10	5.57E-09	6.84E-10	2.25E-09	1.55E-10	3.09E-09
8937	470400.21	3820337.18	8.00E-09	3.36E-08	3.02E-09	4.46E-08	6.66E-09	2.47E-08	2.17E-09	3.35E-08	7.55E-10	4.32E-09	5.16E-10	5.59E-09	6.87E-10	2.26E-09	1.56E-10	3.11E-09
8938	470391.28	3820340.75	8.03E-09	3.37E-08	3.04E-09	4.48E-08	6.69E-09	2.48E-08	2.18E-09	3.36E-08	7.58E-10	4.34E-09	5.18E-10	5.61E-09	6.89E-10	2.27E-09	1.57E-10	3.12E-09
8939	470382.34	3820344.32	8.05E-09	3.38E-08	3.05E-09	4.49E-08	6.71E-09	2.49E-08	2.19E-09	3.38E-08	7.61E-10	4.35E-09	5.20E-10	5.63E-09	6.91E-10	2.28E-09	1.57E-10	3.13E-09
8940	470373.4	3820347.89	8.08E-09	3.39E-08	3.06E-09	4.51E-08	6.73E-09	2.49E-08	2.19E-09	3.39E-08	7.63E-10	4.37E-09	5.21E-10	5.65E-09	6.94E-10	2.29E-09	1.58E-10	3.14E-09
8941	470364.47	3820351.46	8.11E-09	3.40E-08	3.07E-09	4.52E-08	6.75E-09	2.50E-08	2.20E-09	3.40E-08	7.66E-10	4.38E-09	5.23E-10	5.67E-09	6.96E-10	2.29E-09	1.58E-10	3.15E-09
8942	470355.53	3820355.03	8.13E-09	3.42E-08	3.08E-09	4.54E-08	6.77E-09	2.51E-08	2.21E-09	3.41E-08	7.68E-10	4.40E-09	5.25E-10	5.69E-09	6.98E-10	2.30E-09	1.59E-10	3.16E-09
8943	470346.59	3820358.6	8.16E-09	3.43E-08	3.09E-09	4.55E-08	6.79E-09	2.52E-08	2.21E-09	3.42E-08	7.70E-10	4.41E-09	5.26E-10	5.71E-09	7.00E-10	2.31E-09	1.59E-10	3.17E-09
8944	470337.66	3820362.17	8.18E-09	3.44E-08	3.09E-09	4.56E-08	6.82E-09	2.52E-08	2.22E-09	3.43E-08	7.73E-10	4.42E-09	5.28E-10	5.72E-09	7.02E-10	2.32E-09	1.60E-10	3.18E-09
8945	470328.72	3820365.74	8.21E-09	3.45E-08	3.10E-09	4.58E-08	6.84E-09	2.53E-08	2.23E-09	3.44E-08	7.75E-10	4.44E-09	5.29E-10	5.74E-09	7.04E-10	2.32E-09	1.60E-10	3.19E-09
8946	470319.78	3820369.32	8.23E-09	3.46E-08	3.11E-09	4.59E-08	6.85E-09	2.54E-08	2.23E-09	3.45E-08	7.77E-10	4.45E-09	5.31E-10	5.76E-09	7.06E-10	2.33E-09	1.61E-10	3.20E-09
8947	470310.85	3820372.89	8.25E-09	3.47E-08	3.12E-09	4.60E-08	6.87E-09	2.55E-08	2.24E-09	3.46E-08	7.79E-10	4.46E-09	5.32E-10	5.77E-09	7.09E-10	2.34E-09	1.61E-10	3.21E-09
8948	470301.91	3820376.46	8.28E-09	3.48E-08	3.13E-09	4.62E-08	6.90E-09	2.55E-08	2.25E-09	3.47E-08	7.82E-10	4.48E-09	5.34E-10	5.79E-09	7.11E-10	2.34E-09	1.62E-10	3.22E-09
8949	470292.97	3820380.03	8.31E-09	3.49E-08	3.14E-09	4.63E-08	6.92E-09	2.56E-08	2.25E-09	3.48E-08	7.84E-10	4.49E-09	5.36E-10	5.81E-09	7.13E-10	2.35E-09	1.62E-10	3.23E-09
8950	470284.04	3820383.6	8.33E-09	3.50E-08	3.15E-09	4.65E-08	6.94E-09	2.57E-08	2.26E-09	3.49E-08	7.87E-10	4.50E-09	5.37E-10	5.83E-09	7.15E-10	2.36E-09	1.63E-10	3.24E-09
8951	470275.1	3820387.17	8.36E-09	3.51E-08	3.16E-09	4.66E-08	6.96E-09	2.58E-08	2.27E-09	3.50E-08	7.89E-10	4.52E-09	5.39E-10	5.85E-09	7.18E-10	2.37E-09	1.63E-10	3.25E-09
8952	471219.22	3819458.89	4.76E-09	2.00E-08	1.80E-09	2.65E-08	3.96E-09	1.47E-08	1.29E-09	1.99E-08	4.49E-10	2.57E-09	3.07E-10	3.33E-09	4.08E-10	1.35E-09	9.28E-11	1.85E-09
8953	471219.3	3819449.24	4.74E-09	1.99E-08	1.79E-09	2.65E-08	3.95E-09	1.46E-08	1.29E-09	1.99E-08	4.48E-10	2.56E-09	3.06E-10	3.32E-09	4.07E-10	1.34E-09	9.26E-11	1.84E-09
8954	471219.38	3819439.59	4.73E-09	1.99E-08	1.79E-09	2.64E-08	3.94E-09	1.46E-08	1.28E-09	1.98E-08	4.47E-10	2.56E-09	3.05E-10	3.31E-09	4.06E-10	1.34E-09	9.23E-11	1.84E-09
8955	471219.79	3819391.35	4.62E-09	1.94E-08	1.75E-09	2.58E-08	3.85E-09	1.43E-08	1.26E-09	1.94E-08	4.37E-10	2.50E-09	2.98E-10	3.23E-09	3.97E-10	1.31E-09	9.02E-11	1.80E-09
8956	471219.88	3819381.7	4.60E-09	1.93E-08	1.74E-09	2.56E-08	3.83E-09	1.42E-08	1.25E-09	1.93E-08	4.34E-10	2.48E-09	2.96E-10	3.21E-09	3.95E-10	1.30E-09	8.97E-11	1.78E-09
8957	471219.96	3819372.06	4.57E-09	1.92E-08	1.73E-09	2.55E-08	3.80E-09	1.41E-08	1.24E-09	1.91E-08	4.31E-10	2.47E-09	2.94E-10	3.19E-09	3.92E-10	1.29E-09	8.91E-11	1.77E-09
8958	471220.04	3819362.41	4.53E-09	1.90E-08	1.71E-09	2.53E-08	3.78E-09	1.40E-08	1.23E-09	1.90E-08	4.28E-10	2.45E-09	2.92E-10	3.17E-09	3.89E-10	1.28E-09	8.85E-11	1.76E-09
8959	471220.13	3819352.76	4.50E-09	1.89E-08	1.70E-09	2.51E-08	3.75E-09	1.39E-08	1.22E-09	1.89E-08	4.25E-10	2.43E-09	2.90E-10	3.15E-09	3.86E-10	1.27E-09	8.78E-11	1.75E-09
8960	471220.21	3819343.11	4.46E-09	1.87E-08	1.69E-09	2.49E-08	3.72E-09	1.38E-08	1.21E-09	1.87E-08	4.21E-10	2.41E-09	2.88E-10	3.12E-09	3.83E-10	1.26E-09	8.71E-11	1.73E-09
8961	471220.29	3819333.46	4.42E-09	1.86E-08	1.67E-09	2.47E-08	3.68E-09	1.36E-08	1.20E-09	1.85E-08	4.18E-10	2.39E-09	2.85E-10	3.09E-09	3.80E-10	1.25E-09	8.63E-11	1.72E-09
8962	471220.37	3819323.82	4.38E-09	1.84E-08	1.66E-09	2.44E-08	3.65E-09	1.35E-08	1.19E-09	1.84E-08	4.14E-10	2.37E-09	2.83E-10	3.06E-09	3.76E-10	1.24E-09	8.55E-11	1.70E-09
8963	471220.46	3819314.17	4.34E-09	1.82E-08	1.64E-09	2.42E-08	3.61E-09	1.34E-08	1.18E-09	1.82E-08	4.09E-10	2.34E-09	2.80E-10	3.03E-09	3.72E-10	1.23E-09	8.46E-11	1.68E-09
8964	471220.54	3819304.52	4.29E-09	1.80E-08	1.62E-09	2.39E-08	3.57E-09	1.32E-08	1.16E-09	1.80E-08	4.05E-10	2.32E-09	2.77E-10	3.00E-09	3.68E-10	1.21E-09	8.37E-11	1.67E-09
8965	471220.62	3819294.87	4.24E-09	1.78E-08	1.60E-09	2.36E-08	3.53E-09	1.31E-08	1.15E-09	1.78E-08	4.00E-10	2.29E-09	2.73E-10	2.97E-09	3.64E-10	1.20E-09	8.27E-11	1.65E-09
8966	471220.7	3819285.22	4.19E-09	1.76E-08	1.58E-09	2.34E-08	3.49E-09	1.29E-08	1.14E-09	1.76E-08	3.96E-10	2.26E-09	2.70E-10	2.93E-09	3.60E-10	1.19E-09	8.17E-11	1.63E-09
8967	471220.79	3819275.57	4.14E-09	1.74E-08	1.56E-09	2.31E-08	3.45E-09	1.28E-08	1.12E-09	1.73E-08	3.91E-10	2.24E-09	2.67E-10	2.89E-09	3.55E-10	1.17E-09	8.07E-11	1.61E-09
8968	471220.87	3819265.93	4.08E-09	1.71E-08	1.54E-09	2.28E-08	3.40E-09	1.26E-08	1.11E-09	1.71E-08	3.85E-10	2.21E-09	2.63E-10	2.86E-09	3.50E-10	1.16E-09	7.97E-11	1.59E-09
8969	471220.95	3819256.28	4.03E-09	1.69E-08	1.52E-09	2.25E-08	3.35E-09	1.24E-08	1.09E-09	1.69E-08	3.80E-10	2.18E-09	2.60E-10	2.82E-09	3.46E-10	1.14E-09	7.86E-11	1.56E-09
8970	471221.04	3819246.63	3.97E-09	1.67E-08	1.50E-09	2.21E-08	3.30E-09	1.22E-08	1.08E-09	1.66E-08	3.75E-10	2.14E-09	2.56E-10	2.78E-09	3.41E-10	1.12E-09	7.74E-11	1.54E-09
8971	471269.27	3819529.88	4.34E-09	1.82E-08	1.64E-09	2.42E-08	3.62E-09	1.34E-08	1.18E-09	1.82E-08	4.10E-10	2.35E-09	2.80E-10	3.04E-09	3.73E-10	1.23E-09	8.47E-11	1.69E-09
8972	471265.53	3819538.66	4.37E-09	1.84E-08	1.65E-09	2.44E-08	3.64E-09	1.35E-08	1.19E-09	1.83E-08	4.13E-10	2.36E-09	2.82E-10	3.06E-09	3.75E-10	1.24E-09	8.53E-11	1.70E-09

8973	471261.79	3819547.45	4.40E-09	1.85E-08	1.67E-09	2.46E-08	3.67E-09	1.36E-08	1.20E-09	1.85E-08	4.16E-10	2.38E-09	2.84E-10	3.08E-09	3.78E-10	1.25E-09	8.59E-11	1.71E-09
8974	471258.05	3819556.24	4.43E-09	1.86E-08	1.68E-09	2.47E-08	3.69E-09	1.37E-08	1.20E-09	1.86E-08	4.19E-10	2.40E-09	2.86E-10	3.10E-09	3.81E-10	1.26E-09	8.65E-11	1.72E-09
8975	471254.3	3819565.02	4.46E-09	1.87E-08	1.69E-09	2.49E-08	3.72E-09	1.38E-08	1.21E-09	1.87E-08	4.22E-10	2.41E-09	2.88E-10	3.12E-09	3.83E-10	1.26E-09	8.71E-11	1.73E-09
8976	471250.56	3819573.81	4.49E-09	1.89E-08	1.70E-09	2.51E-08	3.74E-09	1.39E-08	1.22E-09	1.88E-08	4.24E-10	2.43E-09	2.90E-10	3.14E-09	3.86E-10	1.27E-09	8.77E-11	1.75E-09
8977	471246.82	3819582.6	4.52E-09	1.90E-08	1.71E-09	2.52E-08	3.77E-09	1.40E-08	1.23E-09	1.89E-08	4.27E-10	2.44E-09	2.92E-10	3.16E-09	3.88E-10	1.28E-09	8.82E-11	1.76E-09
8978	471243.08	3819591.39	4.55E-09	1.91E-08	1.72E-09	2.54E-08	3.79E-09	1.40E-08	1.23E-09	1.91E-08	4.29E-10	2.46E-09	2.93E-10	3.18E-09	3.90E-10	1.29E-09	8.87E-11	1.77E-09
8979	471239.34	3819600.17	4.57E-09	1.92E-08	1.73E-09	2.55E-08	3.81E-09	1.41E-08	1.24E-09	1.92E-08	4.32E-10	2.47E-09	2.95E-10	3.20E-09	3.93E-10	1.29E-09	8.93E-11	1.78E-09
8980	471235.59	3819608.96	4.60E-09	1.93E-08	1.74E-09	2.57E-08	3.83E-09	1.42E-08	1.25E-09	1.93E-08	4.34E-10	2.49E-09	2.97E-10	3.22E-09	3.95E-10	1.30E-09	8.98E-11	1.79E-09
8981	471231.85	3819617.75	4.63E-09	1.94E-08	1.75E-09	2.58E-08	3.85E-09	1.43E-08	1.26E-09	1.94E-08	4.37E-10	2.50E-09	2.98E-10	3.24E-09	3.97E-10	1.31E-09	9.02E-11	1.80E-09
8982	471228.11	3819626.54	4.65E-09	1.95E-08	1.76E-09	2.59E-08	3.87E-09	1.43E-08	1.26E-09	1.95E-08	4.39E-10	2.51E-09	3.00E-10	3.25E-09	3.99E-10	1.32E-09	9.07E-11	1.81E-09
8983	471224.37	3819635.32	4.67E-09	1.96E-08	1.77E-09	2.61E-08	3.89E-09	1.44E-08	1.27E-09	1.96E-08	4.41E-10	2.53E-09	3.01E-10	3.27E-09	4.01E-10	1.32E-09	9.12E-11	1.81E-09
8984	471220.62	3819644.11	4.69E-09	1.97E-08	1.78E-09	2.62E-08	3.91E-09	1.45E-08	1.27E-09	1.97E-08	4.43E-10	2.54E-09	3.03E-10	3.28E-09	4.03E-10	1.33E-09	9.16E-11	1.82E-09
8985	471216.88	3819652.9	4.71E-09	1.98E-08	1.78E-09	2.63E-08	3.93E-09	1.45E-08	1.28E-09	1.98E-08	4.45E-10	2.55E-09	3.04E-10	3.30E-09	4.05E-10	1.33E-09	9.20E-11	1.83E-09
8986	471213.14	3819661.69	4.73E-09	1.99E-08	1.79E-09	2.64E-08	3.94E-09	1.46E-08	1.29E-09	1.98E-08	4.47E-10	2.56E-09	3.05E-10	3.31E-09	4.06E-10	1.34E-09	9.24E-11	1.84E-09
8987	471209.4	3819670.47	4.75E-09	2.00E-08	1.80E-09	2.65E-08	3.96E-09	1.47E-08	1.29E-09	1.99E-08	4.49E-10	2.57E-09	3.07E-10	3.32E-09	4.08E-10	1.35E-09	9.27E-11	1.85E-09
8988	471205.65	3819679.26	4.77E-09	2.00E-08	1.80E-09	2.66E-08	3.97E-09	1.47E-08	1.29E-09	2.00E-08	4.50E-10	2.58E-09	3.08E-10	3.34E-09	4.10E-10	1.35E-09	9.31E-11	1.85E-09
8989	471201.91	3819688.05	4.79E-09	2.01E-08	1.81E-09	2.67E-08	3.99E-09	1.48E-08	1.30E-09	2.01E-08	4.52E-10	2.59E-09	3.09E-10	3.35E-09	4.11E-10	1.35E-09	9.34E-11	1.86E-09
8990	471198.17	3819696.84	4.80E-09	2.02E-08	1.82E-09	2.68E-08	4.00E-09	1.48E-08	1.30E-09	2.01E-08	4.53E-10	2.60E-09	3.10E-10	3.36E-09	4.12E-10	1.36E-09	9.37E-11	1.86E-09
8991	471194.43	3819705.62	4.81E-09	2.02E-08	1.82E-09	2.69E-08	4.01E-09	1.49E-08	1.31E-09	2.02E-08	4.55E-10	2.60E-09	3.11E-10	3.37E-09	4.13E-10	1.36E-09	9.39E-11	1.87E-09
8992	471190.68	3819714.41	4.83E-09	2.03E-08	1.83E-09	2.69E-08	4.02E-09	1.49E-08	1.31E-09	2.02E-08	4.56E-10	2.61E-09	3.11E-10	3.38E-09	4.14E-10	1.37E-09	9.42E-11	1.87E-09
8993	471186.94	3819723.2	4.84E-09	2.03E-08	1.83E-09	2.70E-08	4.03E-09	1.49E-08	1.31E-09	2.03E-08	4.57E-10	2.61E-09	3.12E-10	3.38E-09	4.15E-10	1.37E-09	9.44E-11	1.88E-09
8994	471183.2	3819731.99	4.85E-09	2.04E-08	1.83E-09	2.70E-08	4.04E-09	1.50E-08	1.32E-09	2.03E-08	4.58E-10	2.62E-09	3.13E-10	3.39E-09	4.16E-10	1.37E-09	9.46E-11	1.88E-09
8995	471179.46	3819740.77	4.85E-09	2.04E-08	1.84E-09	2.71E-08	4.04E-09	1.50E-08	1.32E-09	2.03E-08	4.58E-10	2.62E-09	3.13E-10	3.40E-09	4.17E-10	1.37E-09	9.47E-11	1.89E-09
8996	471175.72	3819749.56	4.86E-09	2.04E-08	1.84E-09	2.71E-08	4.05E-09	1.50E-08	1.32E-09	2.04E-08	4.59E-10	2.63E-09	3.13E-10	3.40E-09	4.17E-10	1.38E-09	9.48E-11	1.89E-09
8997	471171.97	3819758.35	4.86E-09	2.04E-08	1.84E-09	2.71E-08	4.05E-09	1.50E-08	1.32E-09	2.04E-08	4.59E-10	2.63E-09	3.14E-10	3.40E-09	4.18E-10	1.38E-09	9.49E-11	1.89E-09
8998	471168.23	3819767.14	4.87E-09	2.04E-08	1.84E-09	2.72E-08	4.06E-09	1.50E-08	1.32E-09	2.04E-08	4.60E-10	2.63E-09	3.14E-10	3.41E-09	4.18E-10	1.38E-09	9.50E-11	1.89E-09
8999	471164.49	3819775.92	4.87E-09	2.05E-08	1.84E-09	2.72E-08	4.06E-09	1.50E-08	1.32E-09	2.04E-08	4.60E-10	2.63E-09	3.14E-10	3.41E-09	4.18E-10	1.38E-09	9.50E-11	1.89E-09
9000	471160.75	3819784.71	4.87E-09	2.05E-08	1.84E-09	2.72E-08	4.06E-09	1.50E-08	1.32E-09	2.04E-08	4.60E-10	2.63E-09	3.14E-10	3.41E-09	4.18E-10	1.38E-09	9.51E-11	1.89E-09
9001	471157	3819793.5	4.87E-09	2.05E-08	1.84E-09	2.72E-08	4.06E-09	1.50E-08	1.32E-09	2.04E-08	4.60E-10	2.63E-09	3.14E-10	3.41E-09	4.18E-10	1.38E-09	9.50E-11	1.89E-09
9002	471153.26	3819802.29	4.87E-09	2.04E-08	1.84E-09	2.72E-08	4.06E-09	1.50E-08	1.32E-09	2.04E-08	4.60E-10	2.63E-09	3.14E-10	3.41E-09	4.18E-10	1.38E-09	9.50E-11	1.89E-09
9003	471149.52	3819811.07	4.87E-09	2.04E-08	1.84E-09	2.71E-08	4.05E-09	1.50E-08	1.32E-09	2.04E-08	4.59E-10	2.63E-09	3.14E-10	3.40E-09	4.18E-10	1.38E-09	9.49E-11	1.89E-09
9004	471145.78	3819819.86	4.86E-09	2.04E-08	1.84E-09	2.71E-08	4.05E-09	1.50E-08	1.32E-09	2.04E-08	4.59E-10	2.63E-09	3.14E-10	3.40E-09	4.17E-10	1.38E-09	9.49E-11	1.89E-09
9005	471142.03	3819828.65	4.86E-09	2.04E-08	1.84E-09	2.71E-08	4.05E-09	1.50E-08	1.32E-09	2.04E-08	4.59E-10	2.63E-09	3.13E-10	3.40E-09	4.17E-10	1.37E-09	9.48E-11	1.89E-09
9006	471138.29	3819837.44	4.85E-09	2.04E-08	1.83E-09	2.71E-08	4.04E-09	1.50E-08	1.32E-09	2.03E-08	4.58E-10	2.62E-09	3.13E-10	3.39E-09	4.16E-10	1.37E-09	9.47E-11	1.88E-09
9007	471134.55	3819846.22	4.84E-09	2.03E-08	1.83E-09	2.70E-08	4.03E-09	1.49E-08	1.31E-09	2.03E-08	4.57E-10	2.62E-09	3.12E-10	3.39E-09	4.16E-10	1.37E-09	9.45E-11	1.88E-09
9008	471130.81	3819855.01	4.84E-09	2.03E-08	1.83E-09	2.70E-08	4.03E-09	1.49E-08	1.31E-09	2.03E-08	4.57E-10	2.61E-09	3.12E-10	3.38E-09	4.15E-10	1.37E-09	9.44E-11	1.88E-09
9009	471127.07	3819863.8	4.83E-09	2.03E-08	1.83E-09	2.69E-08	4.02E-09	1.49E-08	1.31E-09	2.02E-08	4.56E-10	2.61E-09	3.11E-10	3.38E-09	4.14E-10	1.37E-09	9.42E-11	1.87E-09
9010	471123.32	3819872.59	4.82E-09	2.02E-08	1.82E-09	2.69E-08	4.01E-09	1.49E-08	1.31E-09	2.02E-08	4.55E-10	2.60E-09	3.11E-10	3.37E-09	4.14E-10	1.36E-09	9.40E-11	1.87E-09
9011	471119.58	3819881.37	4.81E-09	2.02E-08	1.82E-09	2.68E-08	4.00E-09	1.48E-08	1.31E-09	2.01E-08	4.54E-10	2.60E-09	3.10E-10	3.36E-09	4.13E-10	1.36E-09	9.38E-11	1.87E-09
9012	471115.84	3819890.16	4.80E-09	2.01E-08	1.81E-09	2.68E-08	4.00E-09	1.48E-08	1.30E-09	2.01E-08	4.53E-10	2.59E-09	3.09E-10	3.36E-09	4.12E-10	1.36E-09	9.36E-11	1.86E-09
9013	471112.1	3819898.95	4.79E-09	2.01E-08	1.81E-09	2.67E-08	3.99E-09	1.48E-08	1.30E-09	2.01E-08	4.52E-10	2.59E-09	3.09E-10	3.35E-09	4.11E-10	1.35E-09	9.34E-11	1.86E-09
9014	471108.35	3819907.73	4.77E-09	2.01E-08	1.81E-09	2.66E-08	3.98E-09	1.47E-08	1.30E-09	2.00E-08	4.51E-10	2.58E-09	3.08E-10	3.34E-09	4.10E-10	1.35E-09	9.32E-11	1.85E-09
9015	471104.61	3819916.52	4.76E-09	2.00E-08	1.80E-09	2.66E-08	3.97E-09	1.47E-08	1.29E-09	2.00E-08	4.50E-10	2.57E-09	3.07E-10	3.33E-09	4.09E-10	1.35E-09	9.29E-11	1.85E-09
9016	471100.87	3819925.31	4.75E-09	1.99E-08	1.80E-09	2.65E-08	3.96E-09	1.47E-08	1.29E-09	1.99E-08	4.49E-10	2.57E-09	3.06E-10	3.32E-09	4.08E-10	1.34E-09	9.27E-11	1.84E-09
9017	471097.13	3819934.1	4.74E-09	1.99E-08	1.79E-09	2.64E-08	3.95E-09	1.46E-08	1.29E-09	1.99E-08	4.47E-10	2.56E-09	3.06E-10	3.31E-09	4.07E-10	1.34E-09	9.24E-11	1.84E-09
9018	471093.38	3819942.88	4.73E-09	1.98E-08	1.79E-09	2.64E-08	3.94E-09	1.46E-08	1.28E-09	1.98E-08	4.46E-10	2.55E-09	3.05E-10	3.31E-09	4.06E-10	1.34E-09	9.22E-11	1.84E-09
9019	471089.64	3819951.67	4.71E-09	1.98E-08	1.78E-09	2.63E-08	3.92E-09	1.45E-08	1.28E-09	1.97E-08	4.45E-10	2.55E-09	3.04E-10	3.30E-09	4.05E-10	1.33E-09	9.19E-11	1.83E-09
9020	471085.9	3819960.46	4.70E-09	1.97E-08	1.78E-09	2.62E-08	3.91E-09	1.45E-08	1.28E-09	1.97E-08	4.44E-10	2.54E-09	3.03E-10	3.29E-09	4.03E-10	1.33E-09	9.17E-11	1.83E-09
9021	471082.16	3819969.25	4.69E-09	1.97E-08	1.77E-09	2.61E-08	3.90E-09	1.45E-08	1.27E-09	1.96E-08	4.42E-10	2.53E-09	3.02E-10	3.28E-09	4.02E-10	1.33E-09	9.14E-11	1.82E-09
9022	471078.41	3819978.03	4.67E-09	1.96E-08	1.77E-09	2.61E-08	3.89E-09	1.44E-08	1.27E-09	1.96E-08	4.41E-10	2.53E-09	3.01E-10	3.27E-09	4.01E-10	1.32E-09	9.12E-11	1.81E-09
9023	471074.67	3819986.82	4.66E-09	1.96E-08	1.76E-09	2.60E-08	3.88E-09	1.44E-08	1.26E-09	1.95E-08	4.40E-10	2.52E-09	3.00E-10	3.26E-09	4.00E-10	1.32E-09	9.09E-11	1.81E-09

9024	471070.93	3819995.61	4.64E-09	1.95E-08	1.76E-09	2.59E-08	3.87E-09	1.43E-08	1.26E-09	1.95E-08	4.38E-10	2.51E-09	3.00E-10	3.25E-09	3.99E-10	1.31E-09	9.06E-11	1.80E-09
9025	471067.19	3820004.4	4.63E-09	1.94E-08	1.75E-09	2.58E-08	3.86E-09	1.43E-08	1.26E-09	1.94E-08	4.37E-10	2.50E-09	2.99E-10	3.24E-09	3.97E-10	1.31E-09	9.03E-11	1.80E-09
9026	471063.45	3820013.18	4.62E-09	1.94E-08	1.75E-09	2.57E-08	3.84E-09	1.42E-08	1.25E-09	1.93E-08	4.36E-10	2.50E-09	2.98E-10	3.23E-09	3.96E-10	1.31E-09	9.01E-11	1.79E-09
9027	471059.7	3820021.97	4.60E-09	1.93E-08	1.74E-09	2.57E-08	3.83E-09	1.42E-08	1.25E-09	1.93E-08	4.34E-10	2.49E-09	2.97E-10	3.22E-09	3.95E-10	1.30E-09	8.98E-11	1.79E-09
9028	471055.96	3820030.76	4.59E-09	1.93E-08	1.73E-09	2.56E-08	3.82E-09	1.42E-08	1.25E-09	1.92E-08	4.33E-10	2.48E-09	2.96E-10	3.21E-09	3.94E-10	1.30E-09	8.95E-11	1.78E-09
9029	471052.22	3820039.55	4.57E-09	1.92E-08	1.73E-09	2.55E-08	3.81E-09	1.41E-08	1.24E-09	1.92E-08	4.32E-10	2.47E-09	2.95E-10	3.20E-09	3.92E-10	1.29E-09	8.92E-11	1.78E-09
9030	471048.48	3820048.33	4.56E-09	1.91E-08	1.72E-09	2.54E-08	3.79E-09	1.41E-08	1.24E-09	1.91E-08	4.30E-10	2.46E-09	2.94E-10	3.19E-09	3.91E-10	1.29E-09	8.89E-11	1.77E-09
9031	471044.73	3820057.12	4.54E-09	1.91E-08	1.72E-09	2.53E-08	3.78E-09	1.40E-08	1.23E-09	1.90E-08	4.29E-10	2.45E-09	2.93E-10	3.18E-09	3.90E-10	1.29E-09	8.86E-11	1.76E-09
9032	471040.99	3820065.91	4.52E-09	1.90E-08	1.71E-09	2.52E-08	3.77E-09	1.40E-08	1.23E-09	1.90E-08	4.27E-10	2.45E-09	2.92E-10	3.16E-09	3.88E-10	1.28E-09	8.83E-11	1.76E-09
9033	471037.25	3820074.7	4.51E-09	1.89E-08	1.70E-09	2.51E-08	3.75E-09	1.39E-08	1.22E-09	1.89E-08	4.25E-10	2.44E-09	2.91E-10	3.15E-09	3.87E-10	1.28E-09	8.79E-11	1.75E-09
9034	471033.51	3820083.48	4.49E-09	1.88E-08	1.70E-09	2.50E-08	3.74E-09	1.38E-08	1.22E-09	1.88E-08	4.24E-10	2.43E-09	2.89E-10	3.14E-09	3.85E-10	1.27E-09	8.76E-11	1.74E-09
9035	471029.76	3820092.27	4.47E-09	1.88E-08	1.69E-09	2.49E-08	3.72E-09	1.38E-08	1.21E-09	1.87E-08	4.22E-10	2.42E-09	2.88E-10	3.13E-09	3.84E-10	1.27E-09	8.72E-11	1.74E-09
9036	471026.02	3820101.06	4.45E-09	1.87E-08	1.68E-09	2.48E-08	3.71E-09	1.37E-08	1.21E-09	1.86E-08	4.20E-10	2.41E-09	2.87E-10	3.11E-09	3.82E-10	1.26E-09	8.68E-11	1.73E-09
9037	471022.28	3820109.85	4.43E-09	1.86E-08	1.68E-09	2.47E-08	3.69E-09	1.37E-08	1.20E-09	1.86E-08	4.19E-10	2.40E-09	2.86E-10	3.10E-09	3.80E-10	1.25E-09	8.65E-11	1.72E-09
9038	471018.54	3820118.63	4.41E-09	1.85E-08	1.67E-09	2.46E-08	3.68E-09	1.36E-08	1.20E-09	1.85E-08	4.17E-10	2.39E-09	2.85E-10	3.09E-09	3.79E-10	1.25E-09	8.61E-11	1.71E-09
9039	471014.8	3820127.42	4.39E-09	1.84E-08	1.66E-09	2.45E-08	3.66E-09	1.36E-08	1.19E-09	1.84E-08	4.15E-10	2.37E-09	2.83E-10	3.07E-09	3.77E-10	1.24E-09	8.57E-11	1.71E-09
9040	471011.05	3820136.21	4.37E-09	1.84E-08	1.65E-09	2.44E-08	3.64E-09	1.35E-08	1.19E-09	1.83E-08	4.13E-10	2.36E-09	2.82E-10	3.06E-09	3.75E-10	1.24E-09	8.53E-11	1.70E-09
9041	471007.31	3820145	4.35E-09	1.83E-08	1.65E-09	2.43E-08	3.62E-09	1.34E-08	1.18E-09	1.82E-08	4.11E-10	2.35E-09	2.81E-10	3.04E-09	3.74E-10	1.23E-09	8.49E-11	1.69E-09
9042	471003.57	3820153.78	4.33E-09	1.82E-08	1.64E-09	2.41E-08	3.61E-09	1.34E-08	1.18E-09	1.81E-08	4.09E-10	2.34E-09	2.79E-10	3.03E-09	3.72E-10	1.23E-09	8.45E-11	1.68E-09
9043	470999.83	3820162.57	4.31E-09	1.81E-08	1.63E-09	2.40E-08	3.59E-09	1.33E-08	1.17E-09	1.80E-08	4.07E-10	2.33E-09	2.78E-10	3.01E-09	3.70E-10	1.22E-09	8.40E-11	1.67E-09
9044	470996.08	3820171.36	4.28E-09	1.80E-08	1.62E-09	2.39E-08	3.57E-09	1.32E-08	1.16E-09	1.79E-08	4.04E-10	2.32E-09	2.76E-10	3.00E-09	3.68E-10	1.21E-09	8.36E-11	1.66E-09
9045	470965.73	3820190.78	4.34E-09	1.82E-08	1.64E-09	2.42E-08	3.62E-09	1.34E-08	1.18E-09	1.82E-08	4.10E-10	2.35E-09	2.80E-10	3.04E-09	3.73E-10	1.23E-09	8.47E-11	1.69E-09
9046	470956.86	3820194.32	4.37E-09	1.83E-08	1.65E-09	2.44E-08	3.64E-09	1.35E-08	1.19E-09	1.83E-08	4.13E-10	2.36E-09	2.82E-10	3.06E-09	3.75E-10	1.24E-09	8.52E-11	1.70E-09
9047	470947.99	3820197.86	4.39E-09	1.85E-08	1.66E-09	2.45E-08	3.66E-09	1.36E-08	1.19E-09	1.84E-08	4.15E-10	2.38E-09	2.83E-10	3.07E-09	3.77E-10	1.24E-09	8.57E-11	1.71E-09
9048	470939.12	3820201.41	4.42E-09	1.86E-08	1.67E-09	2.47E-08	3.68E-09	1.36E-08	1.20E-09	1.85E-08	4.17E-10	2.39E-09	2.85E-10	3.09E-09	3.79E-10	1.25E-09	8.63E-11	1.72E-09
9049	470930.26	3820204.95	4.45E-09	1.87E-08	1.68E-09	2.48E-08	3.70E-09	1.37E-08	1.21E-09	1.86E-08	4.20E-10	2.40E-09	2.87E-10	3.11E-09	3.82E-10	1.26E-09	8.68E-11	1.73E-09
9050	470921.39	3820208.5	4.47E-09	1.88E-08	1.69E-09	2.49E-08	3.72E-09	1.38E-08	1.21E-09	1.87E-08	4.22E-10	2.42E-09	2.88E-10	3.13E-09	3.84E-10	1.27E-09	8.73E-11	1.74E-09
9051	470912.52	3820212.04	4.50E-09	1.89E-08	1.70E-09	2.51E-08	3.75E-09	1.39E-08	1.22E-09	1.88E-08	4.25E-10	2.43E-09	2.90E-10	3.15E-09	3.86E-10	1.27E-09	8.78E-11	1.75E-09
9052	470903.65	3820215.58	4.52E-09	1.90E-08	1.71E-09	2.52E-08	3.77E-09	1.40E-08	1.23E-09	1.90E-08	4.27E-10	2.45E-09	2.92E-10	3.16E-09	3.88E-10	1.28E-09	8.83E-11	1.76E-09
9053	470894.78	3820219.13	4.55E-09	1.91E-08	1.72E-09	2.54E-08	3.79E-09	1.40E-08	1.23E-09	1.91E-08	4.30E-10	2.46E-09	2.93E-10	3.18E-09	3.91E-10	1.29E-09	8.88E-11	1.77E-09
9054	470885.91	3820222.67	4.57E-09	1.92E-08	1.73E-09	2.55E-08	3.81E-09	1.41E-08	1.24E-09	1.92E-08	4.32E-10	2.47E-09	2.95E-10	3.20E-09	3.93E-10	1.29E-09	8.93E-11	1.78E-09
9055	470877.04	3820226.21	4.60E-09	1.93E-08	1.74E-09	2.57E-08	3.83E-09	1.42E-08	1.25E-09	1.93E-08	4.34E-10	2.49E-09	2.97E-10	3.22E-09	3.95E-10	1.30E-09	8.98E-11	1.79E-09
9056	470868.17	3820229.76	4.63E-09	1.94E-08	1.75E-09	2.58E-08	3.85E-09	1.43E-08	1.26E-09	1.94E-08	4.37E-10	2.50E-09	2.99E-10	3.24E-09	3.97E-10	1.31E-09	9.03E-11	1.80E-09
9057	470859.3	3820233.3	4.65E-09	1.95E-08	1.76E-09	2.60E-08	3.88E-09	1.44E-08	1.26E-09	1.95E-08	4.40E-10	2.52E-09	3.00E-10	3.26E-09	4.00E-10	1.32E-09	9.08E-11	1.81E-09
9058	470850.43	3820236.84	4.68E-09	1.97E-08	1.77E-09	2.61E-08	3.90E-09	1.44E-08	1.27E-09	1.96E-08	4.42E-10	2.53E-09	3.02E-10	3.27E-09	4.02E-10	1.32E-09	9.13E-11	1.82E-09
9059	470841.56	3820240.39	4.71E-09	1.98E-08	1.78E-09	2.63E-08	3.92E-09	1.45E-08	1.28E-09	1.97E-08	4.44E-10	2.54E-09	3.04E-10	3.29E-09	4.04E-10	1.33E-09	9.18E-11	1.83E-09
9060	470832.69	3820243.93	4.73E-09	1.99E-08	1.79E-09	2.64E-08	3.94E-09	1.46E-08	1.29E-09	1.98E-08	4.47E-10	2.56E-09	3.05E-10	3.31E-09	4.06E-10	1.34E-09	9.24E-11	1.84E-09
9061	470823.82	3820247.48	4.76E-09	2.00E-08	1.80E-09	2.66E-08	3.97E-09	1.47E-08	1.29E-09	2.00E-08	4.50E-10	2.58E-09	3.07E-10	3.33E-09	4.09E-10	1.35E-09	9.30E-11	1.85E-09
9062	470814.95	3820251.02	4.80E-09	2.01E-08	1.81E-09	2.67E-08	3.99E-09	1.48E-08	1.30E-09	2.01E-08	4.53E-10	2.59E-09	3.09E-10	3.35E-09	4.12E-10	1.36E-09	9.36E-11	1.86E-09
9063	470806.08	3820254.56	4.83E-09	2.03E-08	1.83E-09	2.69E-08	4.02E-09	1.49E-08	1.31E-09	2.02E-08	4.56E-10	2.61E-09	3.11E-10	3.38E-09	4.15E-10	1.37E-09	9.42E-11	1.88E-09
9064	470726.26	3820286.46	5.20E-09	2.18E-08	1.96E-09	2.90E-08	4.33E-09	1.60E-08	1.41E-09	2.18E-08	4.91E-10	2.81E-09	3.35E-10	3.63E-09	4.46E-10	1.47E-09	1.01E-10	2.02E-09
9065	470717.39	3820290	5.25E-09	2.20E-08	1.98E-09	2.93E-08	4.37E-09	1.62E-08	1.42E-09	2.20E-08	4.95E-10	2.84E-09	3.38E-10	3.67E-09	4.50E-10	1.49E-09	1.02E-10	2.04E-09
9066	470708.52	3820293.54	5.30E-09	2.23E-08	2.00E-09	2.96E-08	4.41E-09	1.64E-08	1.44E-09	2.22E-08	5.00E-10	2.87E-09	3.42E-10	3.71E-09	4.55E-10	1.50E-09	1.03E-10	2.06E-09
9067	470699.65	3820297.09	5.36E-09	2.25E-08	2.03E-09	2.99E-08	4.46E-09	1.65E-08	1.45E-09	2.24E-08	5.06E-10	2.90E-09	3.45E-10	3.75E-09	4.60E-10	1.52E-09	1.05E-10	2.08E-09
9068	470690.78	3820300.63	5.41E-09	2.27E-08	2.05E-09	3.02E-08	4.51E-09	1.67E-08	1.47E-09	2.27E-08	5.11E-10	2.93E-09	3.49E-10	3.79E-09	4.65E-10	1.53E-09	1.06E-10	2.10E-09
9069	470681.91	3820304.18	5.47E-09	2.30E-08	2.07E-09	3.05E-08	4.56E-09	1.69E-08	1.49E-09	2.29E-08	5.17E-10	2.96E-09	3.53E-10	3.83E-09	4.70E-10	1.55E-09	1.07E-10	2.13E-09
9070	470673.04	3820307.72	5.53E-09	2.32E-08	2.09E-09	3.09E-08	4.61E-09	1.71E-08	1.50E-09	2.32E-08	5.22E-10	2.99E-09	3.57E-10	3.87E-09	4.75E-10	1.57E-09	1.08E-10	2.15E-09
9071	470664.17	3820311.26	5.59E-09	2.35E-08	2.12E-09	3.12E-08	4.66E-09	1.73E-08	1.52E-09	2.34E-08	5.28E-10	3.02E-09	3.61E-10	3.91E-09	4.80E-10	1.58E-09	1.09E-10	2.17E-09
9072	470655.3	3820314.81	5.66E-09	2.38E-08	2.14E-09	3.16E-08	4.71E-09	1.75E-08	1.54E-09	2.37E-08	5.34E-10	3.06E-09	3.65E-10	3.96E-09	4.86E-10	1.60E-09	1.10E-10	2.20E-09
9073	470646.44	3820318.35	5.72E-09	2.40E-08	2.16E-09	3.19E-08	4.77E-09	1.77E-08	1.55E-09	2.40E-08	5.40E-10	3.09E-09	3.69E-10	4.00E-09	4.91E-10	1.62E-09	1.12E-10	2.22E-09
9074	470637.57	3820321.89	5.79E-09	2.43E-08	2.19E-09	3.23E-08	4.82E-09	1.79E-08	1.57E-09	2.43E-08	5.46E-10	3.13E-09	3.73E-10	4.05E-09	4.97E-10	1.64E-09	1.13E-10	2.25E-09

9075	470628.7	3820325.44	5.85E-09	2.46E-08	2.21E-09	3.26E-08	4.88E-09	1.81E-08	1.59E-09	2.45E-08	5.53E-10	3.16E-09	3.78E-10	4.09E-09	5.02E-10	1.66E-09	1.14E-10	2.27E-09
9076	470619.83	3820328.98	5.92E-09	2.49E-08	2.24E-09	3.30E-08	4.93E-09	1.83E-08	1.61E-09	2.48E-08	5.59E-10	3.20E-09	3.82E-10	4.14E-09	5.08E-10	1.68E-09	1.15E-10	2.30E-09
9077	470610.96	3820332.53	5.99E-09	2.51E-08	2.26E-09	3.34E-08	4.99E-09	1.85E-08	1.63E-09	2.51E-08	5.65E-10	3.24E-09	3.86E-10	4.19E-09	5.14E-10	1.69E-09	1.17E-10	2.33E-09
9078	470602.09	3820336.07	6.06E-09	2.54E-08	2.29E-09	3.38E-08	5.04E-09	1.87E-08	1.64E-09	2.54E-08	5.72E-10	3.27E-09	3.91E-10	4.24E-09	5.20E-10	1.71E-09	1.18E-10	2.35E-09
9079	470593.22	3820339.61	6.12E-09	2.57E-08	2.32E-09	3.42E-08	5.10E-09	1.89E-08	1.66E-09	2.57E-08	5.78E-10	3.31E-09	3.95E-10	4.28E-09	5.26E-10	1.73E-09	1.19E-10	2.38E-09
9080	470584.35	3820343.16	6.19E-09	2.60E-08	2.34E-09	3.45E-08	5.15E-09	1.91E-08	1.68E-09	2.59E-08	5.84E-10	3.35E-09	3.99E-10	4.33E-09	5.31E-10	1.75E-09	1.21E-10	2.40E-09
9081	470575.48	3820346.7	6.25E-09	2.63E-08	2.36E-09	3.49E-08	5.21E-09	1.93E-08	1.70E-09	2.62E-08	5.90E-10	3.38E-09	4.03E-10	4.37E-09	5.37E-10	1.77E-09	1.22E-10	2.43E-09
9082	470566.61	3820350.24	6.31E-09	2.65E-08	2.39E-09	3.52E-08	5.26E-09	1.95E-08	1.71E-09	2.65E-08	5.96E-10	3.41E-09	4.07E-10	4.42E-09	5.42E-10	1.79E-09	1.23E-10	2.45E-09
9083	470557.74	3820353.79	6.38E-09	2.68E-08	2.41E-09	3.56E-08	5.31E-09	1.97E-08	1.73E-09	2.67E-08	6.02E-10	3.45E-09	4.11E-10	4.46E-09	5.47E-10	1.80E-09	1.24E-10	2.48E-09
9084	470548.87	3820357.33	6.43E-09	2.70E-08	2.43E-09	3.59E-08	5.36E-09	1.99E-08	1.75E-09	2.70E-08	6.08E-10	3.48E-09	4.15E-10	4.50E-09	5.52E-10	1.82E-09	1.26E-10	2.50E-09
9085	470540	3820360.88	6.49E-09	2.73E-08	2.45E-09	3.62E-08	5.41E-09	2.00E-08	1.76E-09	2.72E-08	6.13E-10	3.51E-09	4.19E-10	4.54E-09	5.57E-10	1.84E-09	1.27E-10	2.52E-09
9086	470531.13	3820364.42	6.54E-09	2.75E-08	2.47E-09	3.65E-08	5.45E-09	2.02E-08	1.78E-09	2.74E-08	6.18E-10	3.54E-09	4.22E-10	4.58E-09	5.62E-10	1.85E-09	1.28E-10	2.54E-09
9087	470522.26	3820367.96	6.60E-09	2.77E-08	2.49E-09	3.68E-08	5.49E-09	2.04E-08	1.79E-09	2.76E-08	6.23E-10	3.57E-09	4.25E-10	4.61E-09	5.66E-10	1.87E-09	1.29E-10	2.56E-09
9088	470513.39	3820371.51	6.64E-09	2.79E-08	2.51E-09	3.71E-08	5.53E-09	2.05E-08	1.80E-09	2.78E-08	6.27E-10	3.59E-09	4.29E-10	4.65E-09	5.70E-10	1.88E-09	1.30E-10	2.58E-09
9089	470504.52	3820375.05	6.69E-09	2.81E-08	2.53E-09	3.73E-08	5.57E-09	2.06E-08	1.82E-09	2.80E-08	6.32E-10	3.62E-09	4.31E-10	4.68E-09	5.74E-10	1.89E-09	1.31E-10	2.60E-09
9090	470495.66	3820378.59	6.73E-09	2.83E-08	2.54E-09	3.75E-08	5.61E-09	2.08E-08	1.83E-09	2.82E-08	6.35E-10	3.64E-09	4.34E-10	4.71E-09	5.78E-10	1.90E-09	1.31E-10	2.61E-09
9091	470486.79	3820382.14	6.77E-09	2.84E-08	2.56E-09	3.77E-08	5.64E-09	2.09E-08	1.84E-09	2.84E-08	6.39E-10	3.66E-09	4.37E-10	4.73E-09	5.81E-10	1.92E-09	1.32E-10	2.63E-09
9092	470477.92	3820385.68	6.80E-09	2.86E-08	2.57E-09	3.80E-08	5.67E-09	2.10E-08	1.85E-09	2.85E-08	6.43E-10	3.68E-09	4.39E-10	4.76E-09	5.84E-10	1.93E-09	1.33E-10	2.64E-09
9093	470469.05	3820389.23	6.84E-09	2.87E-08	2.59E-09	3.82E-08	5.70E-09	2.11E-08	1.86E-09	2.87E-08	6.46E-10	3.70E-09	4.41E-10	4.78E-09	5.87E-10	1.94E-09	1.33E-10	2.66E-09
9094	470460.18	3820392.77	6.87E-09	2.89E-08	2.60E-09	3.83E-08	5.73E-09	2.12E-08	1.87E-09	2.88E-08	6.49E-10	3.72E-09	4.43E-10	4.81E-09	5.90E-10	1.95E-09	1.34E-10	2.67E-09
9095	470451.31	3820396.31	6.90E-09	2.90E-08	2.61E-09	3.85E-08	5.75E-09	2.13E-08	1.87E-09	2.89E-08	6.52E-10	3.73E-09	4.45E-10	4.83E-09	5.93E-10	1.95E-09	1.35E-10	2.68E-09
9096	470442.44	3820399.86	6.93E-09	2.91E-08	2.62E-09	3.87E-08	5.78E-09	2.14E-08	1.88E-09	2.91E-08	6.55E-10	3.75E-09	4.47E-10	4.85E-09	5.95E-10	1.96E-09	1.35E-10	2.69E-09
9097	470433.57	3820403.4	6.96E-09	2.92E-08	2.63E-09	3.88E-08	5.80E-09	2.15E-08	1.89E-09	2.92E-08	6.57E-10	3.76E-09	4.49E-10	4.87E-09	5.97E-10	1.97E-09	1.36E-10	2.70E-09
9098	470424.7	3820406.94	6.98E-09	2.93E-08	2.64E-09	3.89E-08	5.81E-09	2.15E-08	1.89E-09	2.92E-08	6.59E-10	3.77E-09	4.50E-10	4.88E-09	5.99E-10	1.98E-09	1.36E-10	2.71E-09
9099	470415.83	3820410.49	7.00E-09	2.94E-08	2.65E-09	3.90E-08	5.83E-09	2.16E-08	1.90E-09	2.93E-08	6.61E-10	3.78E-09	4.51E-10	4.90E-09	6.01E-10	1.98E-09	1.37E-10	2.72E-09
9100	470406.96	3820414.03	7.02E-09	2.95E-08	2.65E-09	3.92E-08	5.85E-09	2.17E-08	1.91E-09	2.94E-08	6.63E-10	3.79E-09	4.53E-10	4.91E-09	6.03E-10	1.99E-09	1.37E-10	2.73E-09
9101	470398.09	3820417.58	7.04E-09	2.96E-08	2.66E-09	3.93E-08	5.86E-09	2.17E-08	1.91E-09	2.95E-08	6.65E-10	3.81E-09	4.54E-10	4.93E-09	6.04E-10	1.99E-09	1.37E-10	2.73E-09
9102	470389.22	3820421.12	7.06E-09	2.97E-08	2.67E-09	3.94E-08	5.88E-09	2.18E-08	1.92E-09	2.96E-08	6.67E-10	3.82E-09	4.55E-10	4.94E-09	6.06E-10	2.00E-09	1.38E-10	2.74E-09
9103	470380.35	3820424.66	7.08E-09	2.97E-08	2.68E-09	3.95E-08	5.90E-09	2.18E-08	1.92E-09	2.97E-08	6.69E-10	3.83E-09	4.57E-10	4.95E-09	6.08E-10	2.00E-09	1.38E-10	2.75E-09
9104	470371.48	3820428.21	7.10E-09	2.98E-08	2.69E-09	3.96E-08	5.91E-09	2.19E-08	1.93E-09	2.98E-08	6.70E-10	3.84E-09	4.58E-10	4.97E-09	6.09E-10	2.01E-09	1.39E-10	2.76E-09
9105	470362.61	3820431.75	7.12E-09	2.99E-08	2.69E-09	3.97E-08	5.93E-09	2.20E-08	1.93E-09	2.98E-08	6.72E-10	3.85E-09	4.59E-10	4.98E-09	6.11E-10	2.01E-09	1.39E-10	2.76E-09
9106	470353.75	3820435.29	7.14E-09	3.00E-08	2.70E-09	3.98E-08	5.94E-09	2.20E-08	1.94E-09	2.99E-08	6.74E-10	3.86E-09	4.60E-10	4.99E-09	6.13E-10	2.02E-09	1.39E-10	2.77E-09
9107	470344.88	3820438.84	7.16E-09	3.01E-08	2.71E-09	3.99E-08	5.96E-09	2.21E-08	1.94E-09	3.00E-08	6.76E-10	3.87E-09	4.62E-10	5.01E-09	6.14E-10	2.03E-09	1.40E-10	2.78E-09
9108	470336.01	3820442.38	7.18E-09	3.01E-08	2.71E-09	4.00E-08	5.98E-09	2.22E-08	1.95E-09	3.01E-08	6.78E-10	3.88E-09	4.63E-10	5.02E-09	6.16E-10	2.03E-09	1.40E-10	2.79E-09
9109	470327.14	3820445.93	7.20E-09	3.02E-08	2.72E-09	4.02E-08	6.00E-09	2.22E-08	1.95E-09	3.02E-08	6.80E-10	3.89E-09	4.64E-10	5.04E-09	6.18E-10	2.04E-09	1.41E-10	2.80E-09
9110	470318.27	3820449.47	7.22E-09	3.03E-08	2.73E-09	4.03E-08	6.02E-09	2.23E-08	1.96E-09	3.03E-08	6.82E-10	3.91E-09	4.66E-10	5.05E-09	6.20E-10	2.04E-09	1.41E-10	2.81E-09
9111	470309.4	3820453.01	7.25E-09	3.04E-08	2.74E-09	4.04E-08	6.04E-09	2.24E-08	1.97E-09	3.04E-08	6.84E-10	3.92E-09	4.67E-10	5.07E-09	6.22E-10	2.05E-09	1.41E-10	2.81E-09
9112	470300.53	3820456.56	7.27E-09	3.05E-08	2.75E-09	4.05E-08	6.05E-09	2.24E-08	1.97E-09	3.05E-08	6.86E-10	3.93E-09	4.69E-10	5.08E-09	6.24E-10	2.06E-09	1.42E-10	2.82E-09
9113	470291.66	3820460.1	7.29E-09	3.06E-08	2.76E-09	4.07E-08	6.07E-09	2.25E-08	1.98E-09	3.05E-08	6.88E-10	3.94E-09	4.70E-10	5.10E-09	6.26E-10	2.06E-09	1.42E-10	2.83E-09
9114	470282.79	3820463.64	7.31E-09	3.07E-08	2.77E-09	4.08E-08	6.09E-09	2.26E-08	1.98E-09	3.06E-08	6.90E-10	3.95E-09	4.72E-10	5.11E-09	6.28E-10	2.07E-09	1.43E-10	2.84E-09
9115	470273.92	3820467.19	7.34E-09	3.08E-08	2.77E-09	4.09E-08	6.11E-09	2.26E-08	1.99E-09	3.07E-08	6.93E-10	3.97E-09	4.73E-10	5.13E-09	6.30E-10	2.08E-09	1.43E-10	2.85E-09
9116	471375.45	3819469.09	3.54E-09	1.49E-08	1.34E-09	1.98E-08	2.95E-09	1.09E-08	9.62E-10	1.48E-08	3.35E-10	1.91E-09	2.28E-10	2.48E-09	3.04E-10	1.00E-09	6.91E-11	1.38E-09
9117	471371.69	3819477.92	3.57E-09	1.50E-08	1.35E-09	1.99E-08	2.98E-09	1.10E-08	9.70E-10	1.50E-08	3.37E-10	1.93E-09	2.30E-10	2.50E-09	3.07E-10	1.01E-09	6.97E-11	1.39E-09
9118	471367.93	3819486.75	3.60E-09	1.51E-08	1.36E-09	2.01E-08	3.00E-09	1.11E-08	9.78E-10	1.51E-08	3.40E-10	1.95E-09	2.32E-10	2.52E-09	3.09E-10	1.02E-09	7.03E-11	1.40E-09
9119	471364.17	3819495.58	3.63E-09	1.52E-08	1.37E-09	2.03E-08	3.02E-09	1.12E-08	9.86E-10	1.52E-08	3.43E-10	1.96E-09	2.34E-10	2.54E-09	3.12E-10	1.03E-09	7.08E-11	1.41E-09
9120	471360.41	3819504.41	3.66E-09	1.54E-08	1.38E-09	2.04E-08	3.05E-09	1.13E-08	9.93E-10	1.53E-08	3.46E-10	1.98E-09	2.36E-10	2.56E-09	3.14E-10	1.04E-09	7.14E-11	1.42E-09
9121	471356.65	3819513.24	3.69E-09	1.55E-08	1.39E-09	2.06E-08	3.07E-09	1.14E-08	1.00E-09	1.54E-08	3.48E-10	1.99E-09	2.38E-10	2.58E-09	3.17E-10	1.04E-09	7.19E-11	1.43E-09
9122	471352.88	3819522.08	3.71E-09	1.56E-08	1.40E-09	2.07E-08	3.09E-09	1.15E-08	1.01E-09	1.56E-08	3.51E-10	2.01E-09	2.40E-10	2.60E-09	3.19E-10	1.05E-09	7.25E-11	1.44E-09
9123	471349.12	3819530.91	3.74E-09	1.57E-08	1.41E-09	2.09E-08	3.12E-09	1.15E-08	1.02E-09	1.57E-08	3.53E-10	2.02E-09	2.41E-10	2.62E-09	3.21E-10	1.06E-09	7.30E-11	1.45E-09
9124	471334.08	3819566.23	3.84E-09	1.61E-08	1.45E-09	2.14E-08	3.20E-09	1.19E-08	1.04E-09	1.61E-08	3.63E-10	2.08E-09	2.48E-10	2.69E-09	3.30E-10	1.09E-09	7.50E-11	1.49E-09
9125	471330.32	3819575.06	3.87E-09	1.62E-08	1.46E-09	2.16E-08	3.22E-09	1.19E-08	1.05E-09	1.62E-08	3.65E-10	2.09E-09	2.50E-10	2.71E-09	3.32E-10	1.10E-09	7.55E-11	1.50E-09

9126	471326.56	3819583.89	3.89E-09	1.64E-08	1.47E-09	2.17E-08	3.24E-09	1.20E-08	1.06E-09	1.63E-08	3.68E-10	2.10E-09	2.51E-10	2.72E-09	3.34E-10	1.10E-09	7.60E-11	1.51E-09
9127	471322.8	3819592.72	3.92E-09	1.64E-08	1.48E-09	2.18E-08	3.26E-09	1.21E-08	1.06E-09	1.64E-08	3.70E-10	2.12E-09	2.53E-10	2.74E-09	3.36E-10	1.11E-09	7.64E-11	1.52E-09
9128	471319.04	3819601.55	3.94E-09	1.65E-08	1.49E-09	2.20E-08	3.28E-09	1.22E-08	1.07E-09	1.65E-08	3.72E-10	2.13E-09	2.54E-10	2.76E-09	3.38E-10	1.12E-09	7.69E-11	1.53E-09
9129	471315.28	3819610.38	3.96E-09	1.66E-08	1.50E-09	2.21E-08	3.30E-09	1.22E-08	1.08E-09	1.66E-08	3.74E-10	2.14E-09	2.56E-10	2.77E-09	3.40E-10	1.12E-09	7.73E-11	1.54E-09
9130	471311.52	3819619.21	3.98E-09	1.67E-08	1.51E-09	2.22E-08	3.32E-09	1.23E-08	1.08E-09	1.67E-08	3.76E-10	2.15E-09	2.57E-10	2.79E-09	3.42E-10	1.13E-09	7.78E-11	1.55E-09
9131	471307.76	3819628.04	4.01E-09	1.68E-08	1.52E-09	2.23E-08	3.34E-09	1.24E-08	1.09E-09	1.68E-08	3.78E-10	2.17E-09	2.58E-10	2.80E-09	3.44E-10	1.13E-09	7.82E-11	1.56E-09
9132	471304	3819636.87	4.03E-09	1.69E-08	1.52E-09	2.25E-08	3.35E-09	1.24E-08	1.09E-09	1.69E-08	3.80E-10	2.18E-09	2.60E-10	2.82E-09	3.46E-10	1.14E-09	7.86E-11	1.56E-09
9133	471300.24	3819645.7	4.05E-09	1.70E-08	1.53E-09	2.26E-08	3.37E-09	1.25E-08	1.10E-09	1.70E-08	3.82E-10	2.19E-09	2.61E-10	2.83E-09	3.47E-10	1.15E-09	7.90E-11	1.57E-09
9134	471296.47	3819654.53	4.07E-09	1.71E-08	1.54E-09	2.27E-08	3.39E-09	1.25E-08	1.10E-09	1.70E-08	3.84E-10	2.20E-09	2.62E-10	2.84E-09	3.49E-10	1.15E-09	7.93E-11	1.58E-09
9135	471292.71	3819663.36	4.09E-09	1.72E-08	1.54E-09	2.28E-08	3.40E-09	1.26E-08	1.11E-09	1.71E-08	3.86E-10	2.21E-09	2.63E-10	2.86E-09	3.51E-10	1.16E-09	7.97E-11	1.59E-09
9136	471288.95	3819672.19	4.10E-09	1.72E-08	1.55E-09	2.29E-08	3.42E-09	1.27E-08	1.11E-09	1.72E-08	3.88E-10	2.22E-09	2.65E-10	2.87E-09	3.52E-10	1.16E-09	8.01E-11	1.59E-09
9137	471285.19	3819681.02	4.12E-09	1.73E-08	1.56E-09	2.30E-08	3.43E-09	1.27E-08	1.12E-09	1.73E-08	3.89E-10	2.23E-09	2.66E-10	2.88E-09	3.54E-10	1.17E-09	8.04E-11	1.60E-09
9138	471281.43	3819689.85	4.14E-09	1.74E-08	1.56E-09	2.31E-08	3.45E-09	1.28E-08	1.12E-09	1.73E-08	3.91E-10	2.24E-09	2.67E-10	2.89E-09	3.55E-10	1.17E-09	8.07E-11	1.61E-09
9139	471277.67	3819698.69	4.15E-09	1.74E-08	1.57E-09	2.32E-08	3.46E-09	1.28E-08	1.13E-09	1.74E-08	3.92E-10	2.24E-09	2.68E-10	2.90E-09	3.56E-10	1.18E-09	8.10E-11	1.61E-09
9140	471273.91	3819707.52	4.17E-09	1.75E-08	1.58E-09	2.32E-08	3.47E-09	1.29E-08	1.13E-09	1.75E-08	3.93E-10	2.25E-09	2.69E-10	2.91E-09	3.58E-10	1.18E-09	8.13E-11	1.62E-09
9141	471270.15	3819716.35	4.18E-09	1.76E-08	1.58E-09	2.33E-08	3.48E-09	1.29E-08	1.13E-09	1.75E-08	3.95E-10	2.26E-09	2.70E-10	2.92E-09	3.59E-10	1.18E-09	8.16E-11	1.62E-09
9142	471266.39	3819725.18	4.19E-09	1.76E-08	1.59E-09	2.34E-08	3.49E-09	1.29E-08	1.14E-09	1.76E-08	3.96E-10	2.27E-09	2.70E-10	2.93E-09	3.60E-10	1.19E-09	8.18E-11	1.63E-09
9143	471262.63	3819734.01	4.20E-09	1.77E-08	1.59E-09	2.34E-08	3.50E-09	1.30E-08	1.14E-09	1.76E-08	3.97E-10	2.27E-09	2.71E-10	2.94E-09	3.61E-10	1.19E-09	8.20E-11	1.63E-09
9144	471258.87	3819742.84	4.21E-09	1.77E-08	1.59E-09	2.35E-08	3.51E-09	1.30E-08	1.14E-09	1.77E-08	3.98E-10	2.28E-09	2.72E-10	2.95E-09	3.62E-10	1.19E-09	8.22E-11	1.64E-09
9145	471255.11	3819751.67	4.22E-09	1.77E-08	1.60E-09	2.36E-08	3.52E-09	1.30E-08	1.15E-09	1.77E-08	3.99E-10	2.28E-09	2.72E-10	2.95E-09	3.63E-10	1.20E-09	8.24E-11	1.64E-09
9146	471251.35	3819760.5	4.23E-09	1.78E-08	1.60E-09	2.36E-08	3.52E-09	1.31E-08	1.15E-09	1.77E-08	4.00E-10	2.29E-09	2.73E-10	2.96E-09	3.63E-10	1.20E-09	8.26E-11	1.64E-09
9147	471247.59	3819769.33	4.24E-09	1.78E-08	1.60E-09	2.36E-08	3.53E-09	1.31E-08	1.15E-09	1.78E-08	4.00E-10	2.29E-09	2.73E-10	2.97E-09	3.64E-10	1.20E-09	8.27E-11	1.65E-09
9148	471243.83	3819778.16	4.24E-09	1.78E-08	1.61E-09	2.37E-08	3.54E-09	1.31E-08	1.15E-09	1.78E-08	4.01E-10	2.29E-09	2.74E-10	2.97E-09	3.64E-10	1.20E-09	8.28E-11	1.65E-09
9149	471240.06	3819786.99	4.25E-09	1.78E-08	1.61E-09	2.37E-08	3.54E-09	1.31E-08	1.15E-09	1.78E-08	4.01E-10	2.30E-09	2.74E-10	2.97E-09	3.65E-10	1.20E-09	8.29E-11	1.65E-09
9150	471236.3	3819795.82	4.25E-09	1.79E-08	1.61E-09	2.37E-08	3.54E-09	1.31E-08	1.15E-09	1.78E-08	4.02E-10	2.30E-09	2.74E-10	2.98E-09	3.65E-10	1.20E-09	8.30E-11	1.65E-09
9151	471232.54	3819804.65	4.26E-09	1.79E-08	1.61E-09	2.37E-08	3.54E-09	1.31E-08	1.16E-09	1.78E-08	4.02E-10	2.30E-09	2.74E-10	2.98E-09	3.65E-10	1.20E-09	8.30E-11	1.65E-09
9152	471228.78	3819813.48	4.26E-09	1.79E-08	1.61E-09	2.37E-08	3.55E-09	1.31E-08	1.16E-09	1.78E-08	4.02E-10	2.30E-09	2.75E-10	2.98E-09	3.65E-10	1.20E-09	8.31E-11	1.65E-09
9153	471225.02	3819822.31	4.26E-09	1.79E-08	1.61E-09	2.37E-08	3.55E-09	1.31E-08	1.16E-09	1.78E-08	4.02E-10	2.30E-09	2.75E-10	2.98E-09	3.65E-10	1.21E-09	8.31E-11	1.65E-09
9154	471221.26	3819831.14	4.26E-09	1.79E-08	1.61E-09	2.37E-08	3.55E-09	1.31E-08	1.16E-09	1.78E-08	4.02E-10	2.30E-09	2.75E-10	2.98E-09	3.65E-10	1.20E-09	8.31E-11	1.65E-09
9155	471217.5	3819839.97	4.25E-09	1.79E-08	1.61E-09	2.37E-08	3.54E-09	1.31E-08	1.15E-09	1.78E-08	4.02E-10	2.30E-09	2.74E-10	2.98E-09	3.65E-10	1.20E-09	8.30E-11	1.65E-09
9156	471213.74	3819848.8	4.25E-09	1.79E-08	1.61E-09	2.37E-08	3.54E-09	1.31E-08	1.15E-09	1.78E-08	4.02E-10	2.30E-09	2.74E-10	2.97E-09	3.65E-10	1.20E-09	8.30E-11	1.65E-09
9157	471209.98	3819857.63	4.25E-09	1.78E-08	1.61E-09	2.37E-08	3.54E-09	1.31E-08	1.15E-09	1.78E-08	4.01E-10	2.30E-09	2.74E-10	2.97E-09	3.65E-10	1.20E-09	8.29E-11	1.65E-09
9158	471206.22	3819866.47	4.24E-09	1.78E-08	1.61E-09	2.37E-08	3.54E-09	1.31E-08	1.15E-09	1.78E-08	4.01E-10	2.29E-09	2.74E-10	2.97E-09	3.64E-10	1.20E-09	8.28E-11	1.65E-09
9159	471202.46	3819875.3	4.24E-09	1.78E-08	1.60E-09	2.36E-08	3.53E-09	1.31E-08	1.15E-09	1.78E-08	4.00E-10	2.29E-09	2.73E-10	2.97E-09	3.64E-10	1.20E-09	8.27E-11	1.65E-09
9160	471198.7	3819884.13	4.23E-09	1.78E-08	1.60E-09	2.36E-08	3.53E-09	1.31E-08	1.15E-09	1.77E-08	4.00E-10	2.29E-09	2.73E-10	2.96E-09	3.63E-10	1.20E-09	8.26E-11	1.64E-09
9161	471194.94	3819892.96	4.23E-09	1.77E-08	1.60E-09	2.36E-08	3.52E-09	1.30E-08	1.15E-09	1.77E-08	3.99E-10	2.28E-09	2.73E-10	2.96E-09	3.63E-10	1.20E-09	8.25E-11	1.64E-09
9162	471191.18	3819901.79	4.22E-09	1.77E-08	1.60E-09	2.35E-08	3.51E-09	1.30E-08	1.15E-09	1.77E-08	3.98E-10	2.28E-09	2.72E-10	2.95E-09	3.62E-10	1.19E-09	8.23E-11	1.64E-09
9163	471187.42	3819910.62	4.21E-09	1.77E-08	1.59E-09	2.35E-08	3.51E-09	1.30E-08	1.14E-09	1.76E-08	3.98E-10	2.28E-09	2.72E-10	2.95E-09	3.62E-10	1.19E-09	8.22E-11	1.64E-09
9164	471183.65	3819919.45	4.20E-09	1.77E-08	1.59E-09	2.35E-08	3.50E-09	1.30E-08	1.14E-09	1.76E-08	3.97E-10	2.27E-09	2.71E-10	2.94E-09	3.61E-10	1.19E-09	8.20E-11	1.63E-09
9165	471179.89	3819928.28	4.20E-09	1.76E-08	1.59E-09	2.34E-08	3.49E-09	1.29E-08	1.14E-09	1.76E-08	3.96E-10	2.27E-09	2.71E-10	2.93E-09	3.60E-10	1.19E-09	8.19E-11	1.63E-09
9166	471176.13	3819937.11	4.19E-09	1.76E-08	1.58E-09	2.34E-08	3.49E-09	1.29E-08	1.14E-09	1.75E-08	3.95E-10	2.26E-09	2.70E-10	2.93E-09	3.59E-10	1.19E-09	8.17E-11	1.63E-09
9167	471172.37	3819945.94	4.18E-09	1.75E-08	1.58E-09	2.33E-08	3.48E-09	1.29E-08	1.13E-09	1.75E-08	3.95E-10	2.26E-09	2.69E-10	2.92E-09	3.59E-10	1.18E-09	8.15E-11	1.62E-09
9168	471168.61	3819954.77	4.17E-09	1.75E-08	1.58E-09	2.33E-08	3.47E-09	1.29E-08	1.13E-09	1.75E-08	3.94E-10	2.25E-09	2.69E-10	2.92E-09	3.58E-10	1.18E-09	8.13E-11	1.62E-09
9169	471164.85	3819963.6	4.16E-09	1.75E-08	1.57E-09	2.32E-08	3.46E-09	1.28E-08	1.13E-09	1.74E-08	3.93E-10	2.25E-09	2.68E-10	2.91E-09	3.57E-10	1.18E-09	8.12E-11	1.62E-09
9170	471161.09	3819972.43	4.15E-09	1.74E-08	1.57E-09	2.31E-08	3.46E-09	1.28E-08	1.13E-09	1.74E-08	3.92E-10	2.24E-09	2.68E-10	2.90E-09	3.56E-10	1.17E-09	8.10E-11	1.61E-09
9171	471157.33	3819981.26	4.14E-09	1.74E-08	1.57E-09	2.31E-08	3.45E-09	1.28E-08	1.12E-09	1.73E-08	3.91E-10	2.24E-09	2.67E-10	2.90E-09	3.55E-10	1.17E-09	8.08E-11	1.61E-09
9172	471153.57	3819990.09	4.13E-09	1.73E-08	1.56E-09	2.30E-08	3.44E-09	1.27E-08	1.12E-09	1.73E-08	3.90E-10	2.23E-09	2.66E-10	2.89E-09	3.54E-10	1.17E-09	8.06E-11	1.60E-09
9173	471149.81	3819998.92	4.12E-09	1.73E-08	1.56E-09	2.30E-08	3.43E-09	1.27E-08	1.12E-09	1.73E-08	3.89E-10	2.23E-09	2.66E-10	2.88E-09	3.54E-10	1.17E-09	8.04E-11	1.60E-09
9174	471146.05	3820007.75	4.11E-09	1.73E-08	1.55E-09	2.29E-08	3.42E-09	1.27E-08	1.12E-09	1.72E-08	3.88E-10	2.22E-09	2.65E-10	2.87E-09	3.53E-10	1.16E-09	8.02E-11	1.60E-09
9175	471142.29	3820016.58	4.10E-09	1.72E-08	1.55E-09	2.29E-08	3.41E-09	1.26E-08	1.11E-09	1.72E-08	3.87E-10	2.22E-09	2.64E-10	2.87E-09	3.52E-10	1.16E-09	8.00E-11	1.59E-09
9176	471138.53	3820025.41	4.09E-09	1.72E-08	1.55E-09	2.28E-08	3.40E-09	1.26E-08	1.11E-09	1.71E-08	3.86E-10	2.21E-09	2.64E-10	2.86E-09	3.51E-10	1.16E-09	7.98E-11	1.59E-09

9177	471134.77	3820034.24	4.08E-09	1.71E-08	1.54E-09	2.27E-08	3.40E-09	1.26E-08	1.11E-09	1.71E-08	3.85E-10	2.20E-09	2.63E-10	2.85E-09	3.50E-10	1.15E-09	7.96E-11	1.58E-09
9178	471131	3820043.08	4.07E-09	1.71E-08	1.54E-09	2.27E-08	3.39E-09	1.25E-08	1.10E-09	1.70E-08	3.84E-10	2.20E-09	2.62E-10	2.84E-09	3.49E-10	1.15E-09	7.93E-11	1.58E-09
9179	471127.24	3820051.91	4.05E-09	1.70E-08	1.53E-09	2.26E-08	3.38E-09	1.25E-08	1.10E-09	1.70E-08	3.83E-10	2.19E-09	2.62E-10	2.84E-09	3.48E-10	1.15E-09	7.91E-11	1.57E-09
9180	471123.48	3820060.74	4.04E-09	1.70E-08	1.53E-09	2.26E-08	3.37E-09	1.25E-08	1.10E-09	1.69E-08	3.82E-10	2.19E-09	2.61E-10	2.83E-09	3.47E-10	1.14E-09	7.89E-11	1.57E-09
9181	471119.72	3820069.57	4.03E-09	1.69E-08	1.53E-09	2.25E-08	3.36E-09	1.24E-08	1.09E-09	1.69E-08	3.81E-10	2.18E-09	2.60E-10	2.82E-09	3.46E-10	1.14E-09	7.87E-11	1.57E-09
9182	471115.96	3820078.4	4.02E-09	1.69E-08	1.52E-09	2.24E-08	3.35E-09	1.24E-08	1.09E-09	1.69E-08	3.80E-10	2.17E-09	2.59E-10	2.81E-09	3.45E-10	1.14E-09	7.85E-11	1.56E-09
9183	471112.2	3820087.23	4.01E-09	1.68E-08	1.52E-09	2.24E-08	3.34E-09	1.24E-08	1.09E-09	1.68E-08	3.79E-10	2.17E-09	2.59E-10	2.81E-09	3.44E-10	1.14E-09	7.83E-11	1.56E-09
9184	471108.44	3820096.06	4.00E-09	1.68E-08	1.51E-09	2.23E-08	3.33E-09	1.23E-08	1.09E-09	1.68E-08	3.78E-10	2.16E-09	2.58E-10	2.80E-09	3.43E-10	1.13E-09	7.80E-11	1.55E-09
9185	471104.68	3820104.89	3.99E-09	1.67E-08	1.51E-09	2.22E-08	3.32E-09	1.23E-08	1.08E-09	1.67E-08	3.76E-10	2.16E-09	2.57E-10	2.79E-09	3.42E-10	1.13E-09	7.78E-11	1.55E-09
9186	471100.92	3820113.72	3.97E-09	1.67E-08	1.50E-09	2.22E-08	3.31E-09	1.23E-08	1.08E-09	1.67E-08	3.75E-10	2.15E-09	2.56E-10	2.78E-09	3.41E-10	1.12E-09	7.75E-11	1.54E-09
9187	471097.16	3820122.55	3.96E-09	1.66E-08	1.50E-09	2.21E-08	3.30E-09	1.22E-08	1.08E-09	1.66E-08	3.74E-10	2.14E-09	2.55E-10	2.77E-09	3.40E-10	1.12E-09	7.73E-11	1.54E-09
9188	471093.4	3820131.38	3.95E-09	1.66E-08	1.49E-09	2.20E-08	3.29E-09	1.22E-08	1.07E-09	1.65E-08	3.73E-10	2.13E-09	2.55E-10	2.76E-09	3.39E-10	1.12E-09	7.70E-11	1.53E-09
9189	471089.64	3820140.21	3.93E-09	1.65E-08	1.49E-09	2.19E-08	3.28E-09	1.21E-08	1.07E-09	1.65E-08	3.71E-10	2.13E-09	2.54E-10	2.75E-09	3.38E-10	1.11E-09	7.68E-11	1.53E-09
9190	471085.88	3820149.04	3.92E-09	1.65E-08	1.48E-09	2.19E-08	3.26E-09	1.21E-08	1.06E-09	1.64E-08	3.70E-10	2.12E-09	2.53E-10	2.74E-09	3.36E-10	1.11E-09	7.65E-11	1.52E-09
9191	471082.12	3820157.87	3.91E-09	1.64E-08	1.48E-09	2.18E-08	3.25E-09	1.21E-08	1.06E-09	1.64E-08	3.69E-10	2.11E-09	2.52E-10	2.73E-09	3.35E-10	1.11E-09	7.62E-11	1.52E-09
9192	471078.36	3820166.7	3.89E-09	1.63E-08	1.47E-09	2.17E-08	3.24E-09	1.20E-08	1.06E-09	1.63E-08	3.67E-10	2.10E-09	2.51E-10	2.72E-09	3.34E-10	1.10E-09	7.59E-11	1.51E-09
9193	471074.59	3820175.53	3.88E-09	1.63E-08	1.47E-09	2.16E-08	3.23E-09	1.20E-08	1.05E-09	1.62E-08	3.66E-10	2.10E-09	2.50E-10	2.71E-09	3.33E-10	1.10E-09	7.56E-11	1.51E-09
9194	471070.83	3820184.36	3.86E-09	1.62E-08	1.46E-09	2.15E-08	3.22E-09	1.19E-08	1.05E-09	1.62E-08	3.65E-10	2.09E-09	2.49E-10	2.70E-09	3.31E-10	1.09E-09	7.53E-11	1.50E-09
9195	471067.07	3820193.19	3.84E-09	1.61E-08	1.45E-09	2.14E-08	3.20E-09	1.19E-08	1.04E-09	1.61E-08	3.63E-10	2.08E-09	2.48E-10	2.69E-09	3.30E-10	1.09E-09	7.50E-11	1.49E-09
9196	471063.31	3820202.02	3.83E-09	1.61E-08	1.45E-09	2.13E-08	3.19E-09	1.18E-08	1.04E-09	1.60E-08	3.61E-10	2.07E-09	2.47E-10	2.68E-09	3.28E-10	1.08E-09	7.46E-11	1.49E-09
9197	471059.55	3820210.85	3.81E-09	1.60E-08	1.44E-09	2.12E-08	3.17E-09	1.17E-08	1.03E-09	1.60E-08	3.60E-10	2.06E-09	2.46E-10	2.66E-09	3.27E-10	1.08E-09	7.43E-11	1.48E-09
9198	471055.79	3820219.69	3.79E-09	1.59E-08	1.43E-09	2.11E-08	3.16E-09	1.17E-08	1.03E-09	1.59E-08	3.58E-10	2.05E-09	2.44E-10	2.65E-09	3.25E-10	1.07E-09	7.39E-11	1.47E-09
9199	471052.03	3820228.52	3.77E-09	1.58E-08	1.43E-09	2.10E-08	3.14E-09	1.16E-08	1.02E-09	1.58E-08	3.56E-10	2.04E-09	2.43E-10	2.64E-09	3.24E-10	1.07E-09	7.36E-11	1.46E-09
9200	471039.36	3820240.91	3.78E-09	1.59E-08	1.43E-09	2.11E-08	3.15E-09	1.17E-08	1.03E-09	1.58E-08	3.57E-10	2.04E-09	2.44E-10	2.64E-09	3.24E-10	1.07E-09	7.37E-11	1.47E-09
9201	471030.44	3820244.47	3.80E-09	1.60E-08	1.44E-09	2.12E-08	3.16E-09	1.17E-08	1.03E-09	1.59E-08	3.59E-10	2.05E-09	2.45E-10	2.66E-09	3.26E-10	1.08E-09	7.41E-11	1.48E-09
9202	471021.53	3820248.03	3.82E-09	1.61E-08	1.45E-09	2.13E-08	3.18E-09	1.18E-08	1.04E-09	1.60E-08	3.61E-10	2.07E-09	2.47E-10	2.67E-09	3.28E-10	1.08E-09	7.46E-11	1.48E-09
9203	471012.62	3820251.59	3.84E-09	1.61E-08	1.45E-09	2.14E-08	3.20E-09	1.19E-08	1.04E-09	1.61E-08	3.63E-10	2.08E-09	2.48E-10	2.69E-09	3.30E-10	1.09E-09	7.50E-11	1.49E-09
9204	471003.71	3820255.15	3.87E-09	1.62E-08	1.46E-09	2.16E-08	3.22E-09	1.19E-08	1.05E-09	1.62E-08	3.65E-10	2.09E-09	2.49E-10	2.70E-09	3.32E-10	1.09E-09	7.54E-11	1.50E-09
9205	470994.79	3820258.71	3.89E-09	1.63E-08	1.47E-09	2.17E-08	3.24E-09	1.20E-08	1.06E-09	1.63E-08	3.67E-10	2.10E-09	2.51E-10	2.72E-09	3.34E-10	1.10E-09	7.59E-11	1.51E-09
9206	470968.05	3820269.4	3.95E-09	1.66E-08	1.49E-09	2.20E-08	3.29E-09	1.22E-08	1.07E-09	1.65E-08	3.73E-10	2.13E-09	2.55E-10	2.76E-09	3.39E-10	1.12E-09	7.71E-11	1.53E-09
9207	470959.14	3820272.96	3.97E-09	1.67E-08	1.50E-09	2.21E-08	3.31E-09	1.23E-08	1.08E-09	1.66E-08	3.75E-10	2.15E-09	2.56E-10	2.78E-09	3.41E-10	1.12E-09	7.75E-11	1.54E-09
9208	470950.23	3820276.52	3.99E-09	1.68E-08	1.51E-09	2.23E-08	3.33E-09	1.23E-08	1.08E-09	1.67E-08	3.77E-10	2.16E-09	2.58E-10	2.79E-09	3.43E-10	1.13E-09	7.79E-11	1.55E-09
9209	470941.32	3820280.08	4.01E-09	1.69E-08	1.52E-09	2.24E-08	3.34E-09	1.24E-08	1.09E-09	1.68E-08	3.79E-10	2.17E-09	2.59E-10	2.81E-09	3.45E-10	1.14E-09	7.83E-11	1.56E-09
9210	470932.4	3820283.64	4.03E-09	1.69E-08	1.53E-09	2.25E-08	3.36E-09	1.24E-08	1.10E-09	1.69E-08	3.81E-10	2.18E-09	2.60E-10	2.82E-09	3.46E-10	1.14E-09	7.87E-11	1.57E-09
9211	470923.49	3820287.2	4.05E-09	1.70E-08	1.53E-09	2.26E-08	3.38E-09	1.25E-08	1.10E-09	1.70E-08	3.83E-10	2.19E-09	2.62E-10	2.84E-09	3.48E-10	1.15E-09	7.91E-11	1.57E-09
9212	470914.58	3820290.76	4.07E-09	1.71E-08	1.54E-09	2.27E-08	3.39E-09	1.26E-08	1.11E-09	1.71E-08	3.85E-10	2.20E-09	2.63E-10	2.85E-09	3.50E-10	1.15E-09	7.95E-11	1.58E-09
9213	470905.66	3820294.32	4.10E-09	1.72E-08	1.55E-09	2.28E-08	3.41E-09	1.26E-08	1.11E-09	1.72E-08	3.87E-10	2.21E-09	2.64E-10	2.87E-09	3.52E-10	1.16E-09	7.99E-11	1.59E-09
9214	470896.75	3820297.89	4.12E-09	1.73E-08	1.56E-09	2.30E-08	3.43E-09	1.27E-08	1.12E-09	1.73E-08	3.89E-10	2.23E-09	2.66E-10	2.88E-09	3.53E-10	1.17E-09	8.03E-11	1.60E-09
9215	470887.84	3820301.45	4.14E-09	1.74E-08	1.57E-09	2.31E-08	3.45E-09	1.28E-08	1.12E-09	1.73E-08	3.91E-10	2.24E-09	2.67E-10	2.90E-09	3.55E-10	1.17E-09	8.08E-11	1.61E-09
9216	470878.93	3820305.01	4.16E-09	1.75E-08	1.57E-09	2.32E-08	3.47E-09	1.28E-08	1.13E-09	1.74E-08	3.93E-10	2.25E-09	2.69E-10	2.91E-09	3.57E-10	1.18E-09	8.13E-11	1.62E-09
9217	470870.01	3820308.57	4.19E-09	1.76E-08	1.58E-09	2.34E-08	3.49E-09	1.29E-08	1.14E-09	1.75E-08	3.95E-10	2.26E-09	2.70E-10	2.93E-09	3.60E-10	1.19E-09	8.17E-11	1.63E-09
9218	470861.1	3820312.13	4.21E-09	1.77E-08	1.59E-09	2.35E-08	3.51E-09	1.30E-08	1.14E-09	1.77E-08	3.98E-10	2.28E-09	2.72E-10	2.95E-09	3.62E-10	1.19E-09	8.22E-11	1.64E-09
9219	470852.19	3820315.69	4.24E-09	1.78E-08	1.60E-09	2.36E-08	3.53E-09	1.31E-08	1.15E-09	1.78E-08	4.00E-10	2.29E-09	2.73E-10	2.97E-09	3.64E-10	1.20E-09	8.27E-11	1.65E-09
9220	470843.27	3820319.25	4.27E-09	1.79E-08	1.61E-09	2.38E-08	3.55E-09	1.32E-08	1.16E-09	1.79E-08	4.03E-10	2.31E-09	2.75E-10	2.99E-09	3.66E-10	1.21E-09	8.33E-11	1.66E-09
9221	470834.36	3820322.81	4.30E-09	1.80E-08	1.62E-09	2.40E-08	3.58E-09	1.33E-08	1.17E-09	1.80E-08	4.06E-10	2.32E-09	2.77E-10	3.01E-09	3.69E-10	1.22E-09	8.38E-11	1.67E-09
9222	470763.06	3820351.3	4.57E-09	1.92E-08	1.73E-09	2.55E-08	3.81E-09	1.41E-08	1.24E-09	1.92E-08	4.32E-10	2.47E-09	2.95E-10	3.20E-09	3.93E-10	1.29E-09	8.93E-11	1.78E-09
9223	470754.15	3820354.86	4.62E-09	1.94E-08	1.75E-09	2.58E-08	3.85E-09	1.42E-08	1.25E-09	1.93E-08	4.36E-10	2.50E-09	2.98E-10	3.23E-09	3.96E-10	1.31E-09	9.01E-11	1.79E-09
9224	470745.23	3820358.42	4.66E-09	1.96E-08	1.76E-09	2.60E-08	3.88E-09	1.44E-08	1.27E-09	1.95E-08	4.40E-10	2.52E-09	3.01E-10	3.26E-09	4.00E-10	1.32E-09	9.10E-11	1.81E-09
9225	470736.32	3820361.99	4.71E-09	1.98E-08	1.78E-09	2.63E-08	3.92E-09	1.45E-08	1.28E-09	1.97E-08	4.45E-10	2.55E-09	3.04E-10	3.29E-09	4.04E-10	1.33E-09	9.19E-11	1.83E-09
9226	470727.41	3820365.55	4.75E-09	2.00E-08	1.80E-09	2.65E-08	3.96E-09	1.47E-08	1.29E-09	1.99E-08	4.49E-10	2.57E-09	3.07E-10	3.33E-09	4.08E-10	1.35E-09	9.28E-11	1.85E-09
9227	470718.49	3820369.11	4.80E-09	2.02E-08	1.82E-09	2.68E-08	4.00E-09	1.48E-08	1.30E-09	2.01E-08	4.53E-10	2.60E-09	3.10E-10	3.36E-09	4.12E-10	1.36E-09	9.37E-11	1.86E-09

9228	470709.58	3820372.67	4.85E-09	2.04E-08	1.83E-09	2.70E-08	4.04E-09	1.50E-08	1.32E-09	2.03E-08	4.58E-10	2.62E-09	3.13E-10	3.39E-09	4.16E-10	1.37E-09	9.46E-11	1.88E-09
9229	470700.67	3820376.23	4.90E-09	2.06E-08	1.85E-09	2.73E-08	4.08E-09	1.51E-08	1.33E-09	2.05E-08	4.63E-10	2.65E-09	3.16E-10	3.43E-09	4.21E-10	1.39E-09	9.57E-11	1.90E-09
9230	470691.76	3820379.79	4.96E-09	2.08E-08	1.87E-09	2.76E-08	4.13E-09	1.53E-08	1.35E-09	2.08E-08	4.68E-10	2.68E-09	3.20E-10	3.47E-09	4.25E-10	1.40E-09	9.67E-11	1.92E-09
9231	470682.84	3820383.35	5.01E-09	2.10E-08	1.89E-09	2.79E-08	4.17E-09	1.55E-08	1.36E-09	2.10E-08	4.73E-10	2.71E-09	3.23E-10	3.50E-09	4.30E-10	1.42E-09	9.78E-11	1.95E-09
9232	470673.93	3820386.91	5.07E-09	2.13E-08	1.92E-09	2.83E-08	4.22E-09	1.56E-08	1.38E-09	2.12E-08	4.78E-10	2.74E-09	3.27E-10	3.54E-09	4.35E-10	1.43E-09	9.89E-11	1.97E-09
9233	470665.02	3820390.47	5.13E-09	2.15E-08	1.94E-09	2.86E-08	4.27E-09	1.58E-08	1.39E-09	2.15E-08	4.84E-10	2.77E-09	3.31E-10	3.59E-09	4.40E-10	1.45E-09	1.00E-10	1.99E-09
9234	470656.1	3820394.03	5.18E-09	2.18E-08	1.96E-09	2.89E-08	4.32E-09	1.60E-08	1.41E-09	2.17E-08	4.90E-10	2.80E-09	3.34E-10	3.63E-09	4.45E-10	1.47E-09	1.01E-10	2.01E-09
9235	470647.19	3820397.6	5.24E-09	2.20E-08	1.98E-09	2.92E-08	4.37E-09	1.62E-08	1.42E-09	2.20E-08	4.95E-10	2.83E-09	3.38E-10	3.67E-09	4.50E-10	1.48E-09	1.02E-10	2.04E-09
9236	470638.28	3820401.16	5.30E-09	2.23E-08	2.00E-09	2.96E-08	4.41E-09	1.64E-08	1.44E-09	2.22E-08	5.00E-10	2.86E-09	3.42E-10	3.71E-09	4.55E-10	1.50E-09	1.03E-10	2.06E-09
9237	470629.37	3820404.72	5.36E-09	2.25E-08	2.03E-09	2.99E-08	4.46E-09	1.65E-08	1.45E-09	2.24E-08	5.06E-10	2.89E-09	3.45E-10	3.75E-09	4.60E-10	1.52E-09	1.04E-10	2.08E-09
9238	470620.45	3820408.28	5.41E-09	2.27E-08	2.05E-09	3.02E-08	4.51E-09	1.67E-08	1.47E-09	2.27E-08	5.11E-10	2.93E-09	3.49E-10	3.79E-09	4.65E-10	1.53E-09	1.06E-10	2.10E-09
9239	470611.54	3820411.84	5.47E-09	2.30E-08	2.07E-09	3.05E-08	4.55E-09	1.69E-08	1.48E-09	2.29E-08	5.16E-10	2.96E-09	3.53E-10	3.82E-09	4.69E-10	1.55E-09	1.07E-10	2.12E-09
9240	470602.63	3820415.4	5.52E-09	2.32E-08	2.09E-09	3.08E-08	4.60E-09	1.70E-08	1.50E-09	2.31E-08	5.21E-10	2.99E-09	3.56E-10	3.86E-09	4.74E-10	1.56E-09	1.08E-10	2.14E-09
9241	470593.71	3820418.96	5.58E-09	2.34E-08	2.11E-09	3.11E-08	4.64E-09	1.72E-08	1.51E-09	2.34E-08	5.26E-10	3.01E-09	3.60E-10	3.90E-09	4.79E-10	1.58E-09	1.09E-10	2.17E-09
9242	470584.8	3820422.52	5.63E-09	2.36E-08	2.13E-09	3.14E-08	4.69E-09	1.74E-08	1.53E-09	2.36E-08	5.31E-10	3.04E-09	3.63E-10	3.94E-09	4.83E-10	1.59E-09	1.10E-10	2.19E-09
9243	470575.89	3820426.08	5.67E-09	2.38E-08	2.15E-09	3.17E-08	4.73E-09	1.75E-08	1.54E-09	2.38E-08	5.36E-10	3.07E-09	3.66E-10	3.97E-09	4.87E-10	1.61E-09	1.11E-10	2.20E-09
9244	470566.98	3820429.65	5.72E-09	2.40E-08	2.16E-09	3.19E-08	4.77E-09	1.77E-08	1.55E-09	2.40E-08	5.40E-10	3.09E-09	3.69E-10	4.00E-09	4.91E-10	1.62E-09	1.12E-10	2.22E-09
9245	470558.06	3820433.21	5.77E-09	2.42E-08	2.18E-09	3.22E-08	4.81E-09	1.78E-08	1.57E-09	2.42E-08	5.45E-10	3.12E-09	3.72E-10	4.04E-09	4.95E-10	1.63E-09	1.13E-10	2.24E-09
9246	470549.15	3820436.77	5.81E-09	2.44E-08	2.20E-09	3.24E-08	4.84E-09	1.79E-08	1.58E-09	2.44E-08	5.49E-10	3.14E-09	3.75E-10	4.07E-09	4.99E-10	1.65E-09	1.13E-10	2.26E-09
9247	470540.24	3820440.33	5.86E-09	2.46E-08	2.21E-09	3.27E-08	4.88E-09	1.81E-08	1.59E-09	2.45E-08	5.53E-10	3.17E-09	3.78E-10	4.10E-09	5.03E-10	1.66E-09	1.14E-10	2.27E-09
9248	470531.32	3820443.89	5.90E-09	2.48E-08	2.23E-09	3.29E-08	4.91E-09	1.82E-08	1.60E-09	2.47E-08	5.57E-10	3.19E-09	3.80E-10	4.13E-09	5.06E-10	1.67E-09	1.15E-10	2.29E-09
9249	470522.41	3820447.45	5.93E-09	2.49E-08	2.24E-09	3.31E-08	4.94E-09	1.83E-08	1.61E-09	2.49E-08	5.60E-10	3.21E-09	3.83E-10	4.15E-09	5.09E-10	1.68E-09	1.16E-10	2.31E-09
9250	470513.5	3820451.01	5.97E-09	2.51E-08	2.26E-09	3.33E-08	4.97E-09	1.84E-08	1.62E-09	2.50E-08	5.64E-10	3.23E-09	3.85E-10	4.18E-09	5.13E-10	1.69E-09	1.17E-10	2.32E-09
9251	470504.59	3820454.57	6.00E-09	2.52E-08	2.27E-09	3.35E-08	5.00E-09	1.85E-08	1.63E-09	2.52E-08	5.67E-10	3.25E-09	3.87E-10	4.20E-09	5.15E-10	1.70E-09	1.17E-10	2.33E-09
9252	470495.67	3820458.13	6.03E-09	2.53E-08	2.28E-09	3.37E-08	5.03E-09	1.86E-08	1.64E-09	2.53E-08	5.70E-10	3.26E-09	3.89E-10	4.22E-09	5.18E-10	1.71E-09	1.18E-10	2.34E-09
9253	470486.76	3820461.7	6.06E-09	2.55E-08	2.29E-09	3.38E-08	5.05E-09	1.87E-08	1.65E-09	2.54E-08	5.73E-10	3.28E-09	3.91E-10	4.24E-09	5.20E-10	1.72E-09	1.18E-10	2.36E-09
9254	470477.85	3820465.26	6.09E-09	2.56E-08	2.30E-09	3.40E-08	5.07E-09	1.88E-08	1.65E-09	2.55E-08	5.75E-10	3.29E-09	3.93E-10	4.26E-09	5.23E-10	1.72E-09	1.19E-10	2.36E-09
9255	470468.93	3820468.82	6.11E-09	2.57E-08	2.31E-09	3.41E-08	5.09E-09	1.89E-08	1.66E-09	2.56E-08	5.77E-10	3.30E-09	3.94E-10	4.27E-09	5.25E-10	1.73E-09	1.19E-10	2.37E-09
9256	470460.02	3820472.38	6.13E-09	2.58E-08	2.32E-09	3.42E-08	5.11E-09	1.89E-08	1.66E-09	2.57E-08	5.79E-10	3.31E-09	3.95E-10	4.29E-09	5.26E-10	1.74E-09	1.20E-10	2.38E-09
9257	470451.11	3820475.94	6.15E-09	2.58E-08	2.33E-09	3.43E-08	5.12E-09	1.90E-08	1.67E-09	2.58E-08	5.81E-10	3.33E-09	3.97E-10	4.30E-09	5.28E-10	1.74E-09	1.20E-10	2.39E-09
9258	470442.2	3820479.5	6.17E-09	2.59E-08	2.33E-09	3.44E-08	5.14E-09	1.90E-08	1.67E-09	2.59E-08	5.83E-10	3.34E-09	3.98E-10	4.32E-09	5.30E-10	1.75E-09	1.20E-10	2.40E-09
9259	470433.28	3820483.06	6.19E-09	2.60E-08	2.34E-09	3.45E-08	5.15E-09	1.91E-08	1.68E-09	2.59E-08	5.84E-10	3.34E-09	3.99E-10	4.33E-09	5.31E-10	1.75E-09	1.21E-10	2.40E-09
9260	470424.37	3820486.62	6.20E-09	2.60E-08	2.34E-09	3.46E-08	5.16E-09	1.91E-08	1.68E-09	2.60E-08	5.85E-10	3.35E-09	4.00E-10	4.34E-09	5.32E-10	1.75E-09	1.21E-10	2.41E-09
9261	470415.46	3820490.18	6.21E-09	2.61E-08	2.35E-09	3.47E-08	5.17E-09	1.92E-08	1.69E-09	2.60E-08	5.87E-10	3.36E-09	4.01E-10	4.35E-09	5.33E-10	1.76E-09	1.21E-10	2.41E-09
9262	470406.54	3820493.75	6.23E-09	2.61E-08	2.35E-09	3.47E-08	5.19E-09	1.92E-08	1.69E-09	2.61E-08	5.88E-10	3.37E-09	4.02E-10	4.36E-09	5.35E-10	1.76E-09	1.21E-10	2.42E-09
9263	470397.63	3820497.31	6.24E-09	2.62E-08	2.36E-09	3.48E-08	5.20E-09	1.93E-08	1.69E-09	2.62E-08	5.90E-10	3.37E-09	4.03E-10	4.37E-09	5.36E-10	1.77E-09	1.22E-10	2.42E-09
9264	470388.72	3820500.87	6.26E-09	2.63E-08	2.37E-09	3.49E-08	5.21E-09	1.93E-08	1.70E-09	2.62E-08	5.91E-10	3.38E-09	4.04E-10	4.38E-09	5.37E-10	1.77E-09	1.22E-10	2.43E-09
9265	470379.81	3820504.43	6.28E-09	2.64E-08	2.37E-09	3.50E-08	5.23E-09	1.94E-08	1.70E-09	2.63E-08	5.93E-10	3.39E-09	4.05E-10	4.39E-09	5.39E-10	1.78E-09	1.22E-10	2.44E-09
9266	470370.89	3820507.99	6.30E-09	2.64E-08	2.38E-09	3.51E-08	5.24E-09	1.94E-08	1.71E-09	2.64E-08	5.95E-10	3.40E-09	4.06E-10	4.40E-09	5.40E-10	1.78E-09	1.23E-10	2.45E-09
9267	470361.98	3820511.55	6.31E-09	2.65E-08	2.39E-09	3.52E-08	5.26E-09	1.95E-08	1.71E-09	2.65E-08	5.96E-10	3.41E-09	4.07E-10	4.42E-09	5.42E-10	1.79E-09	1.23E-10	2.45E-09
9268	470353.07	3820515.11	6.33E-09	2.66E-08	2.40E-09	3.53E-08	5.28E-09	1.95E-08	1.72E-09	2.65E-08	5.98E-10	3.42E-09	4.09E-10	4.43E-09	5.44E-10	1.79E-09	1.24E-10	2.46E-09
9269	470344.15	3820518.67	6.35E-09	2.67E-08	2.40E-09	3.54E-08	5.29E-09	1.96E-08	1.72E-09	2.66E-08	6.00E-10	3.43E-09	4.10E-10	4.44E-09	5.45E-10	1.80E-09	1.24E-10	2.47E-09
9270	470335.24	3820522.23	6.36E-09	2.67E-08	2.41E-09	3.55E-08	5.30E-09	1.96E-08	1.73E-09	2.67E-08	6.01E-10	3.44E-09	4.11E-10	4.45E-09	5.46E-10	1.80E-09	1.24E-10	2.47E-09
9271	470326.33	3820525.8	6.38E-09	2.68E-08	2.41E-09	3.56E-08	5.31E-09	1.97E-08	1.73E-09	2.67E-08	6.03E-10	3.45E-09	4.12E-10	4.46E-09	5.48E-10	1.81E-09	1.25E-10	2.48E-09
9272	470317.42	3820529.36	6.40E-09	2.69E-08	2.42E-09	3.57E-08	5.33E-09	1.97E-08	1.74E-09	2.68E-08	6.04E-10	3.46E-09	4.13E-10	4.48E-09	5.49E-10	1.81E-09	1.25E-10	2.49E-09
9273	470308.5	3820532.92	6.42E-09	2.69E-08	2.43E-09	3.58E-08	5.34E-09	1.98E-08	1.74E-09	2.69E-08	6.06E-10	3.47E-09	4.14E-10	4.49E-09	5.51E-10	1.82E-09	1.25E-10	2.49E-09
9274	470299.59	3820536.48	6.43E-09	2.70E-08	2.43E-09	3.59E-08	5.36E-09	1.99E-08	1.75E-09	2.70E-08	6.08E-10	3.48E-09	4.15E-10	4.50E-09	5.52E-10	1.82E-09	1.26E-10	2.50E-09
9275	470290.68	3820540.04	6.45E-09	2.71E-08	2.44E-09	3.60E-08	5.37E-09	1.99E-08	1.75E-09	2.70E-08	6.09E-10	3.49E-09	4.16E-10	4.51E-09	5.54E-10	1.83E-09	1.26E-10	2.51E-09
9276	470281.76	3820543.6	6.47E-09	2.72E-08	2.45E-09	3.61E-08	5.39E-09	2.00E-08	1.76E-09	2.71E-08	6.11E-10	3.50E-09	4.18E-10	4.53E-09	5.56E-10	1.83E-09	1.26E-10	2.51E-09
9277	470272.85	3820547.16	6.49E-09	2.73E-08	2.46E-09	3.62E-08	5.41E-09	2.00E-08	1.76E-09	2.72E-08	6.13E-10	3.51E-09	4.19E-10	4.54E-09	5.57E-10	1.84E-09	1.27E-10	2.52E-09
9278	471379.21	3819460.26	3.51E-09	1.47E-08	1.33E-09	1.96E-08	2.92E-09	1.08E-08	9.53E-10	1.47E-08	3.32E-10	1.90E-09	2.26E-10	2.46E-09	3.01E-10	9.94E-10	6.85E-11	1.36E-09

9279	471379.29	3819450.61	3.50E-09	1.47E-08	1.32E-09	1.95E-08	2.92E-09	1.08E-08	9.51E-10	1.47E-08	3.31E-10	1.89E-09	2.26E-10	2.45E-09	3.01E-10	9.91E-10	6.83E-11	1.36E-09
9280	471379.38	3819440.97	3.49E-09	1.47E-08	1.32E-09	1.95E-08	2.91E-09	1.08E-08	9.48E-10	1.46E-08	3.30E-10	1.89E-09	2.25E-10	2.44E-09	3.00E-10	9.88E-10	6.81E-11	1.36E-09
9281	471379.46	3819431.32	3.48E-09	1.46E-08	1.32E-09	1.94E-08	2.90E-09	1.07E-08	9.44E-10	1.46E-08	3.29E-10	1.88E-09	2.24E-10	2.43E-09	2.99E-10	9.85E-10	6.79E-11	1.35E-09
9282	471379.54	3819421.67	3.47E-09	1.46E-08	1.31E-09	1.93E-08	2.89E-09	1.07E-08	9.41E-10	1.45E-08	3.27E-10	1.87E-09	2.24E-10	2.42E-09	2.98E-10	9.81E-10	6.76E-11	1.35E-09
9283	471379.62	3819412.02	3.45E-09	1.45E-08	1.31E-09	1.93E-08	2.88E-09	1.07E-08	9.37E-10	1.45E-08	3.26E-10	1.87E-09	2.23E-10	2.41E-09	2.96E-10	9.77E-10	6.74E-11	1.34E-09
9284	471379.71	3819402.37	3.44E-09	1.44E-08	1.30E-09	1.92E-08	2.86E-09	1.06E-08	9.33E-10	1.44E-08	3.24E-10	1.86E-09	2.22E-10	2.40E-09	2.95E-10	9.73E-10	6.70E-11	1.33E-09
9285	471379.79	3819392.72	3.42E-09	1.44E-08	1.29E-09	1.91E-08	2.85E-09	1.05E-08	9.28E-10	1.43E-08	3.23E-10	1.85E-09	2.21E-10	2.39E-09	2.93E-10	9.68E-10	6.67E-11	1.33E-09
9286	471379.87	3819383.08	3.40E-09	1.43E-08	1.29E-09	1.90E-08	2.83E-09	1.05E-08	9.23E-10	1.43E-08	3.21E-10	1.84E-09	2.19E-10	2.38E-09	2.92E-10	9.63E-10	6.64E-11	1.32E-09
9287	471379.95	3819373.43	3.38E-09	1.42E-08	1.28E-09	1.89E-08	2.82E-09	1.04E-08	9.18E-10	1.42E-08	3.19E-10	1.83E-09	2.18E-10	2.37E-09	2.90E-10	9.57E-10	6.60E-11	1.31E-09
9288	471380.04	3819363.78	3.36E-09	1.41E-08	1.27E-09	1.87E-08	2.80E-09	1.04E-08	9.12E-10	1.41E-08	3.17E-10	1.82E-09	2.17E-10	2.35E-09	2.88E-10	9.51E-10	6.56E-11	1.31E-09
9289	471380.12	3819354.13	3.34E-09	1.40E-08	1.26E-09	1.86E-08	2.78E-09	1.03E-08	9.06E-10	1.40E-08	3.15E-10	1.80E-09	2.15E-10	2.33E-09	2.86E-10	9.45E-10	6.51E-11	1.30E-09
9290	471380.2	3819344.48	3.31E-09	1.39E-08	1.25E-09	1.85E-08	2.76E-09	1.02E-08	8.99E-10	1.39E-08	3.13E-10	1.79E-09	2.14E-10	2.32E-09	2.84E-10	9.38E-10	6.46E-11	1.29E-09
9291	471380.29	3819334.84	3.29E-09	1.38E-08	1.24E-09	1.83E-08	2.74E-09	1.01E-08	8.93E-10	1.38E-08	3.10E-10	1.78E-09	2.12E-10	2.30E-09	2.82E-10	9.31E-10	6.42E-11	1.28E-09
9292	471380.37	3819325.19	3.26E-09	1.37E-08	1.23E-09	1.82E-08	2.72E-09	1.01E-08	8.85E-10	1.37E-08	3.08E-10	1.76E-09	2.10E-10	2.28E-09	2.80E-10	9.23E-10	6.36E-11	1.27E-09
9293	471380.62	3819296.24	3.17E-09	1.33E-08	1.20E-09	1.77E-08	2.64E-09	9.79E-09	8.61E-10	1.33E-08	3.00E-10	1.72E-09	2.05E-10	2.22E-09	2.72E-10	8.98E-10	6.19E-11	1.23E-09
9294	471380.7	3819286.59	3.14E-09	1.32E-08	1.19E-09	1.75E-08	2.62E-09	9.69E-09	8.52E-10	1.32E-08	2.97E-10	1.70E-09	2.03E-10	2.20E-09	2.70E-10	8.89E-10	6.13E-11	1.22E-09
9295	471380.78	3819276.95	3.11E-09	1.30E-08	1.17E-09	1.73E-08	2.59E-09	9.59E-09	8.43E-10	1.30E-08	2.93E-10	1.68E-09	2.00E-10	2.17E-09	2.67E-10	8.79E-10	6.06E-11	1.21E-09
9296	471380.86	3819267.3	3.07E-09	1.29E-08	1.16E-09	1.71E-08	2.56E-09	9.48E-09	8.34E-10	1.29E-08	2.90E-10	1.66E-09	1.98E-10	2.15E-09	2.64E-10	8.70E-10	5.99E-11	1.19E-09
9297	471380.95	3819257.65	3.04E-09	1.28E-08	1.15E-09	1.69E-08	2.53E-09	9.37E-09	8.24E-10	1.27E-08	2.87E-10	1.64E-09	1.96E-10	2.12E-09	2.61E-10	8.59E-10	5.92E-11	1.18E-09
9298	471455.43	3819469.82	3.09E-09	1.30E-08	1.17E-09	1.72E-08	2.57E-09	9.54E-09	8.39E-10	1.29E-08	2.92E-10	1.67E-09	1.99E-10	2.16E-09	2.65E-10	8.75E-10	6.03E-11	1.20E-09
9299	471451.65	3819478.68	3.12E-09	1.31E-08	1.18E-09	1.74E-08	2.60E-09	9.61E-09	8.46E-10	1.31E-08	2.94E-10	1.68E-09	2.01E-10	2.18E-09	2.67E-10	8.82E-10	6.08E-11	1.21E-09
9300	471447.88	3819487.55	3.14E-09	1.32E-08	1.19E-09	1.75E-08	2.62E-09	9.69E-09	8.52E-10	1.32E-08	2.96E-10	1.70E-09	2.03E-10	2.20E-09	2.70E-10	8.89E-10	6.13E-11	1.22E-09
9301	471444.1	3819496.42	3.16E-09	1.33E-08	1.20E-09	1.76E-08	2.64E-09	9.76E-09	8.59E-10	1.33E-08	2.99E-10	1.71E-09	2.04E-10	2.21E-09	2.72E-10	8.96E-10	6.17E-11	1.23E-09
9302	471440.32	3819505.29	3.19E-09	1.34E-08	1.21E-09	1.78E-08	2.66E-09	9.84E-09	8.65E-10	1.34E-08	3.01E-10	1.72E-09	2.06E-10	2.23E-09	2.74E-10	9.02E-10	6.22E-11	1.24E-09
9303	471436.55	3819514.16	3.21E-09	1.35E-08	1.21E-09	1.79E-08	2.67E-09	9.91E-09	8.72E-10	1.35E-08	3.03E-10	1.74E-09	2.07E-10	2.25E-09	2.76E-10	9.09E-10	6.27E-11	1.25E-09
9304	471432.77	3819523.02	3.23E-09	1.36E-08	1.22E-09	1.80E-08	2.69E-09	9.98E-09	8.78E-10	1.36E-08	3.05E-10	1.75E-09	2.09E-10	2.26E-09	2.78E-10	9.15E-10	6.31E-11	1.26E-09
9305	471428.99	3819531.89	3.26E-09	1.37E-08	1.23E-09	1.82E-08	2.71E-09	1.01E-08	8.84E-10	1.36E-08	3.08E-10	1.76E-09	2.10E-10	2.28E-09	2.80E-10	9.22E-10	6.35E-11	1.27E-09
9306	471425.22	3819540.76	3.28E-09	1.38E-08	1.24E-09	1.83E-08	2.73E-09	1.01E-08	8.90E-10	1.37E-08	3.10E-10	1.77E-09	2.11E-10	2.29E-09	2.81E-10	9.28E-10	6.40E-11	1.27E-09
9307	471421.44	3819549.63	3.30E-09	1.39E-08	1.25E-09	1.84E-08	2.75E-09	1.02E-08	8.96E-10	1.38E-08	3.12E-10	1.78E-09	2.13E-10	2.31E-09	2.83E-10	9.34E-10	6.44E-11	1.28E-09
9308	471417.66	3819558.5	3.32E-09	1.40E-08	1.26E-09	1.85E-08	2.77E-09	1.03E-08	9.02E-10	1.39E-08	3.14E-10	1.80E-09	2.14E-10	2.32E-09	2.85E-10	9.40E-10	6.48E-11	1.29E-09
9309	471413.89	3819567.36	3.34E-09	1.40E-08	1.26E-09	1.86E-08	2.78E-09	1.03E-08	9.08E-10	1.40E-08	3.16E-10	1.81E-09	2.16E-10	2.34E-09	2.87E-10	9.46E-10	6.52E-11	1.30E-09
9310	471410.11	3819576.23	3.36E-09	1.41E-08	1.27E-09	1.88E-08	2.80E-09	1.04E-08	9.13E-10	1.41E-08	3.18E-10	1.82E-09	2.17E-10	2.35E-09	2.89E-10	9.52E-10	6.56E-11	1.31E-09
9311	471406.33	3819585.1	3.38E-09	1.42E-08	1.28E-09	1.89E-08	2.82E-09	1.04E-08	9.19E-10	1.42E-08	3.20E-10	1.83E-09	2.18E-10	2.37E-09	2.91E-10	9.58E-10	6.60E-11	1.31E-09
9312	471402.56	3819593.97	3.41E-09	1.43E-08	1.29E-09	1.90E-08	2.84E-09	1.05E-08	9.24E-10	1.43E-08	3.22E-10	1.84E-09	2.20E-10	2.38E-09	2.92E-10	9.64E-10	6.64E-11	1.32E-09
9313	471387.45	3819629.44	3.48E-09	1.46E-08	1.32E-09	1.94E-08	2.90E-09	1.07E-08	9.45E-10	1.46E-08	3.29E-10	1.88E-09	2.25E-10	2.44E-09	2.99E-10	9.86E-10	6.80E-11	1.35E-09
9314	471383.67	3819638.31	3.50E-09	1.47E-08	1.32E-09	1.95E-08	2.92E-09	1.08E-08	9.50E-10	1.47E-08	3.31E-10	1.89E-09	2.26E-10	2.45E-09	3.01E-10	9.91E-10	6.83E-11	1.36E-09
9315	471379.9	3819647.18	3.52E-09	1.48E-08	1.33E-09	1.96E-08	2.93E-09	1.09E-08	9.55E-10	1.47E-08	3.32E-10	1.90E-09	2.27E-10	2.46E-09	3.02E-10	9.96E-10	6.87E-11	1.37E-09
9316	471376.12	3819656.05	3.54E-09	1.49E-08	1.34E-09	1.97E-08	2.95E-09	1.09E-08	9.60E-10	1.48E-08	3.34E-10	1.91E-09	2.28E-10	2.47E-09	3.04E-10	1.00E-09	6.90E-11	1.37E-09
9317	471372.34	3819664.91	3.55E-09	1.49E-08	1.34E-09	1.98E-08	2.96E-09	1.10E-08	9.65E-10	1.49E-08	3.36E-10	1.92E-09	2.29E-10	2.49E-09	3.05E-10	1.01E-09	6.94E-11	1.38E-09
9318	471368.57	3819673.78	3.57E-09	1.50E-08	1.35E-09	1.99E-08	2.97E-09	1.10E-08	9.69E-10	1.50E-08	3.37E-10	1.93E-09	2.30E-10	2.50E-09	3.07E-10	1.01E-09	6.97E-11	1.39E-09
9319	471364.79	3819682.65	3.59E-09	1.51E-08	1.36E-09	2.00E-08	2.99E-09	1.11E-08	9.74E-10	1.50E-08	3.39E-10	1.94E-09	2.31E-10	2.51E-09	3.08E-10	1.02E-09	7.00E-11	1.39E-09
9320	471361.01	3819691.52	3.60E-09	1.51E-08	1.36E-09	2.01E-08	3.00E-09	1.11E-08	9.78E-10	1.51E-08	3.40E-10	1.95E-09	2.32E-10	2.52E-09	3.09E-10	1.02E-09	7.03E-11	1.40E-09
9321	471357.24	3819700.39	3.62E-09	1.52E-08	1.37E-09	2.02E-08	3.01E-09	1.12E-08	9.82E-10	1.52E-08	3.42E-10	1.96E-09	2.33E-10	2.53E-09	3.11E-10	1.02E-09	7.06E-11	1.41E-09
9322	471353.46	3819709.25	3.63E-09	1.53E-08	1.37E-09	2.03E-08	3.03E-09	1.12E-08	9.86E-10	1.52E-08	3.43E-10	1.96E-09	2.34E-10	2.54E-09	3.12E-10	1.03E-09	7.09E-11	1.41E-09
9323	471349.68	3819718.12	3.65E-09	1.53E-08	1.38E-09	2.03E-08	3.04E-09	1.13E-08	9.90E-10	1.53E-08	3.44E-10	1.97E-09	2.35E-10	2.55E-09	3.13E-10	1.03E-09	7.12E-11	1.42E-09
9324	471345.91	3819726.99	3.66E-09	1.54E-08	1.38E-09	2.04E-08	3.05E-09	1.13E-08	9.93E-10	1.53E-08	3.46E-10	1.98E-09	2.36E-10	2.56E-09	3.14E-10	1.04E-09	7.14E-11	1.42E-09
9325	471342.13	3819735.86	3.67E-09	1.54E-08	1.39E-09	2.05E-08	3.06E-09	1.13E-08	9.97E-10	1.54E-08	3.47E-10	1.99E-09	2.37E-10	2.57E-09	3.15E-10	1.04E-09	7.17E-11	1.43E-09
9326	471338.35	3819744.73	3.68E-09	1.55E-08	1.39E-09	2.05E-08	3.07E-09	1.14E-08	1.00E-09	1.54E-08	3.48E-10	1.99E-09	2.38E-10	2.58E-09	3.16E-10	1.04E-09	7.19E-11	1.43E-09
9327	471334.58	3819753.59	3.69E-09	1.55E-08	1.40E-09	2.06E-08	3.08E-09	1.14E-08	1.00E-09	1.55E-08	3.49E-10	2.00E-09	2.38E-10	2.58E-09	3.17E-10	1.05E-09	7.21E-11	1.44E-09
9328	471330.8	3819762.46	3.70E-09	1.56E-08	1.40E-09	2.07E-08	3.09E-09	1.14E-08	1.01E-09	1.55E-08	3.50E-10	2.00E-09	2.39E-10	2.59E-09	3.18E-10	1.05E-09	7.23E-11	1.44E-09
9329	471327.02	3819771.33	3.71E-09	1.56E-08	1.40E-09	2.07E-08	3.09E-09	1.15E-08	1.01E-09	1.56E-08	3.51E-10	2.01E-09	2.40E-10	2.60E-09	3.19E-10	1.05E-09	7.25E-11	1.44E-09

9330	471323.25	3819780.2	3.72E-09	1.56E-08	1.41E-09	2.08E-08	3.10E-09	1.15E-08	1.01E-09	1.56E-08	3.51E-10	2.01E-09	2.40E-10	2.60E-09	3.19E-10	1.05E-09	7.26E-11	1.45E-09
9331	471319.47	3819789.07	3.73E-09	1.57E-08	1.41E-09	2.08E-08	3.11E-09	1.15E-08	1.01E-09	1.56E-08	3.52E-10	2.02E-09	2.41E-10	2.61E-09	3.20E-10	1.06E-09	7.28E-11	1.45E-09
9332	471315.69	3819797.93	3.74E-09	1.57E-08	1.41E-09	2.08E-08	3.11E-09	1.15E-08	1.01E-09	1.57E-08	3.53E-10	2.02E-09	2.41E-10	2.61E-09	3.21E-10	1.06E-09	7.29E-11	1.45E-09
9333	471311.92	3819806.8	3.74E-09	1.57E-08	1.41E-09	2.09E-08	3.12E-09	1.15E-08	1.02E-09	1.57E-08	3.53E-10	2.02E-09	2.41E-10	2.62E-09	3.21E-10	1.06E-09	7.30E-11	1.45E-09
9334	471308.14	3819815.67	3.75E-09	1.57E-08	1.42E-09	2.09E-08	3.12E-09	1.16E-08	1.02E-09	1.57E-08	3.54E-10	2.02E-09	2.42E-10	2.62E-09	3.22E-10	1.06E-09	7.31E-11	1.45E-09
9335	471304.36	3819824.54	3.75E-09	1.57E-08	1.42E-09	2.09E-08	3.12E-09	1.16E-08	1.02E-09	1.57E-08	3.54E-10	2.03E-09	2.42E-10	2.62E-09	3.22E-10	1.06E-09	7.32E-11	1.46E-09
9336	471300.59	3819833.41	3.75E-09	1.58E-08	1.42E-09	2.09E-08	3.12E-09	1.16E-08	1.02E-09	1.57E-08	3.54E-10	2.03E-09	2.42E-10	2.62E-09	3.22E-10	1.06E-09	7.32E-11	1.46E-09
9337	471296.81	3819842.28	3.75E-09	1.58E-08	1.42E-09	2.09E-08	3.13E-09	1.16E-08	1.02E-09	1.57E-08	3.54E-10	2.03E-09	2.42E-10	2.63E-09	3.22E-10	1.06E-09	7.32E-11	1.46E-09
9338	471293.03	3819851.14	3.75E-09	1.58E-08	1.42E-09	2.09E-08	3.13E-09	1.16E-08	1.02E-09	1.57E-08	3.55E-10	2.03E-09	2.42E-10	2.63E-09	3.22E-10	1.06E-09	7.33E-11	1.46E-09
9339	471289.26	3819860.01	3.75E-09	1.58E-08	1.42E-09	2.09E-08	3.13E-09	1.16E-08	1.02E-09	1.57E-08	3.55E-10	2.03E-09	2.42E-10	2.63E-09	3.22E-10	1.06E-09	7.33E-11	1.46E-09
9340	471285.48	3819868.88	3.75E-09	1.58E-08	1.42E-09	2.09E-08	3.13E-09	1.16E-08	1.02E-09	1.57E-08	3.54E-10	2.03E-09	2.42E-10	2.63E-09	3.22E-10	1.06E-09	7.32E-11	1.46E-09
9341	471281.7	3819877.75	3.75E-09	1.58E-08	1.42E-09	2.09E-08	3.12E-09	1.16E-08	1.02E-09	1.57E-08	3.54E-10	2.03E-09	2.42E-10	2.62E-09	3.22E-10	1.06E-09	7.32E-11	1.46E-09
9342	471277.93	3819886.62	3.75E-09	1.57E-08	1.42E-09	2.09E-08	3.12E-09	1.16E-08	1.02E-09	1.57E-08	3.54E-10	2.03E-09	2.42E-10	2.62E-09	3.22E-10	1.06E-09	7.32E-11	1.46E-09
9343	471274.15	3819895.48	3.75E-09	1.57E-08	1.42E-09	2.09E-08	3.12E-09	1.16E-08	1.02E-09	1.57E-08	3.54E-10	2.03E-09	2.42E-10	2.62E-09	3.22E-10	1.06E-09	7.31E-11	1.46E-09
9344	471270.37	3819904.35	3.74E-09	1.57E-08	1.42E-09	2.09E-08	3.12E-09	1.15E-08	1.02E-09	1.57E-08	3.53E-10	2.02E-09	2.41E-10	2.62E-09	3.21E-10	1.06E-09	7.30E-11	1.45E-09
9345	471266.6	3819913.22	3.74E-09	1.57E-08	1.41E-09	2.09E-08	3.11E-09	1.15E-08	1.01E-09	1.57E-08	3.53E-10	2.02E-09	2.41E-10	2.62E-09	3.21E-10	1.06E-09	7.30E-11	1.45E-09
9346	471262.82	3819922.09	3.73E-09	1.57E-08	1.41E-09	2.08E-08	3.11E-09	1.15E-08	1.01E-09	1.56E-08	3.53E-10	2.02E-09	2.41E-10	2.61E-09	3.21E-10	1.06E-09	7.29E-11	1.45E-09
9347	471259.04	3819930.96	3.73E-09	1.57E-08	1.41E-09	2.08E-08	3.11E-09	1.15E-08	1.01E-09	1.56E-08	3.52E-10	2.02E-09	2.40E-10	2.61E-09	3.20E-10	1.06E-09	7.27E-11	1.45E-09
9348	471255.27	3819939.82	3.72E-09	1.56E-08	1.41E-09	2.08E-08	3.10E-09	1.15E-08	1.01E-09	1.56E-08	3.51E-10	2.01E-09	2.40E-10	2.60E-09	3.20E-10	1.05E-09	7.26E-11	1.45E-09
9349	471251.49	3819948.69	3.72E-09	1.56E-08	1.41E-09	2.07E-08	3.09E-09	1.15E-08	1.01E-09	1.56E-08	3.51E-10	2.01E-09	2.40E-10	2.60E-09	3.19E-10	1.05E-09	7.25E-11	1.44E-09
9350	471247.71	3819957.56	3.71E-09	1.56E-08	1.40E-09	2.07E-08	3.09E-09	1.14E-08	1.01E-09	1.55E-08	3.50E-10	2.01E-09	2.39E-10	2.59E-09	3.18E-10	1.05E-09	7.24E-11	1.44E-09
9351	471243.94	3819966.43	3.70E-09	1.55E-08	1.40E-09	2.06E-08	3.08E-09	1.14E-08	1.00E-09	1.55E-08	3.50E-10	2.00E-09	2.39E-10	2.59E-09	3.18E-10	1.05E-09	7.22E-11	1.44E-09
9352	471240.16	3819975.3	3.70E-09	1.55E-08	1.40E-09	2.06E-08	3.08E-09	1.14E-08	1.00E-09	1.55E-08	3.49E-10	2.00E-09	2.38E-10	2.59E-09	3.17E-10	1.05E-09	7.21E-11	1.44E-09
9353	471236.38	3819984.16	3.69E-09	1.55E-08	1.39E-09	2.06E-08	3.07E-09	1.14E-08	1.00E-09	1.55E-08	3.48E-10	1.99E-09	2.38E-10	2.58E-09	3.17E-10	1.04E-09	7.20E-11	1.43E-09
9354	471232.61	3819993.03	3.68E-09	1.55E-08	1.39E-09	2.05E-08	3.07E-09	1.14E-08	9.99E-10	1.54E-08	3.48E-10	1.99E-09	2.37E-10	2.57E-09	3.16E-10	1.04E-09	7.18E-11	1.43E-09
9355	471228.83	3820001.9	3.67E-09	1.54E-08	1.39E-09	2.05E-08	3.06E-09	1.13E-08	9.97E-10	1.54E-08	3.47E-10	1.99E-09	2.37E-10	2.57E-09	3.15E-10	1.04E-09	7.17E-11	1.43E-09
9356	471225.05	3820010.77	3.67E-09	1.54E-08	1.39E-09	2.04E-08	3.05E-09	1.13E-08	9.95E-10	1.54E-08	3.46E-10	1.98E-09	2.36E-10	2.56E-09	3.15E-10	1.04E-09	7.15E-11	1.42E-09
9357	471221.28	3820019.64	3.66E-09	1.54E-08	1.38E-09	2.04E-08	3.05E-09	1.13E-08	9.93E-10	1.53E-08	3.45E-10	1.98E-09	2.36E-10	2.56E-09	3.14E-10	1.04E-09	7.14E-11	1.42E-09
9358	471217.5	3820028.51	3.65E-09	1.53E-08	1.38E-09	2.04E-08	3.04E-09	1.13E-08	9.91E-10	1.53E-08	3.45E-10	1.97E-09	2.35E-10	2.55E-09	3.13E-10	1.03E-09	7.12E-11	1.42E-09
9359	471213.72	3820037.37	3.64E-09	1.53E-08	1.38E-09	2.03E-08	3.03E-09	1.12E-08	9.89E-10	1.53E-08	3.44E-10	1.97E-09	2.35E-10	2.55E-09	3.13E-10	1.03E-09	7.11E-11	1.41E-09
9360	471209.95	3820046.24	3.63E-09	1.53E-08	1.37E-09	2.03E-08	3.03E-09	1.12E-08	9.86E-10	1.52E-08	3.43E-10	1.96E-09	2.34E-10	2.54E-09	3.12E-10	1.03E-09	7.09E-11	1.41E-09
9361	471206.17	3820055.11	3.62E-09	1.52E-08	1.37E-09	2.02E-08	3.02E-09	1.12E-08	9.84E-10	1.52E-08	3.42E-10	1.96E-09	2.34E-10	2.54E-09	3.11E-10	1.03E-09	7.07E-11	1.41E-09
9362	471202.39	3820063.98	3.62E-09	1.52E-08	1.37E-09	2.02E-08	3.01E-09	1.12E-08	9.82E-10	1.52E-08	3.42E-10	1.96E-09	2.33E-10	2.53E-09	3.10E-10	1.02E-09	7.06E-11	1.40E-09
9363	471198.62	3820072.85	3.61E-09	1.52E-08	1.36E-09	2.01E-08	3.01E-09	1.11E-08	9.79E-10	1.51E-08	3.41E-10	1.95E-09	2.33E-10	2.52E-09	3.10E-10	1.02E-09	7.04E-11	1.40E-09
9364	471194.84	3820081.71	3.60E-09	1.51E-08	1.36E-09	2.01E-08	3.00E-09	1.11E-08	9.77E-10	1.51E-08	3.40E-10	1.95E-09	2.32E-10	2.52E-09	3.09E-10	1.02E-09	7.02E-11	1.40E-09
9365	471191.06	3820090.58	3.59E-09	1.51E-08	1.36E-09	2.00E-08	2.99E-09	1.11E-08	9.75E-10	1.51E-08	3.39E-10	1.94E-09	2.32E-10	2.51E-09	3.08E-10	1.02E-09	7.01E-11	1.40E-09
9366	471187.29	3820099.45	3.58E-09	1.50E-08	1.36E-09	2.00E-08	2.98E-09	1.11E-08	9.73E-10	1.50E-08	3.38E-10	1.94E-09	2.31E-10	2.51E-09	3.08E-10	1.01E-09	6.99E-11	1.39E-09
9367	471183.51	3820108.32	3.58E-09	1.50E-08	1.35E-09	1.99E-08	2.98E-09	1.10E-08	9.71E-10	1.50E-08	3.38E-10	1.93E-09	2.31E-10	2.50E-09	3.07E-10	1.01E-09	6.98E-11	1.39E-09
9368	471179.73	3820117.19	3.57E-09	1.50E-08	1.35E-09	1.99E-08	2.97E-09	1.10E-08	9.68E-10	1.49E-08	3.37E-10	1.93E-09	2.30E-10	2.50E-09	3.06E-10	1.01E-09	6.96E-11	1.39E-09
9369	471175.96	3820126.05	3.56E-09	1.49E-08	1.35E-09	1.98E-08	2.96E-09	1.10E-08	9.66E-10	1.49E-08	3.36E-10	1.92E-09	2.29E-10	2.49E-09	3.05E-10	1.01E-09	6.94E-11	1.38E-09
9370	471172.18	3820134.92	3.55E-09	1.49E-08	1.34E-09	1.98E-08	2.96E-09	1.10E-08	9.63E-10	1.49E-08	3.35E-10	1.92E-09	2.29E-10	2.48E-09	3.05E-10	1.00E-09	6.93E-11	1.38E-09
9371	471168.4	3820143.79	3.54E-09	1.49E-08	1.34E-09	1.97E-08	2.95E-09	1.09E-08	9.61E-10	1.48E-08	3.34E-10	1.91E-09	2.28E-10	2.48E-09	3.04E-10	1.00E-09	6.91E-11	1.38E-09
9372	471164.63	3820152.66	3.53E-09	1.48E-08	1.34E-09	1.97E-08	2.94E-09	1.09E-08	9.59E-10	1.48E-08	3.33E-10	1.91E-09	2.28E-10	2.47E-09	3.03E-10	1.00E-09	6.89E-11	1.37E-09
9373	471160.85	3820161.53	3.52E-09	1.48E-08	1.33E-09	1.96E-08	2.93E-09	1.09E-08	9.56E-10	1.48E-08	3.33E-10	1.90E-09	2.27E-10	2.46E-09	3.02E-10	9.97E-10	6.87E-11	1.37E-09
9374	471157.07	3820170.39	3.51E-09	1.47E-08	1.33E-09	1.96E-08	2.92E-09	1.08E-08	9.53E-10	1.47E-08	3.32E-10	1.90E-09	2.26E-10	2.46E-09	3.01E-10	9.94E-10	6.85E-11	1.36E-09
9375	471153.3	3820179.26	3.50E-09	1.47E-08	1.32E-09	1.95E-08	2.92E-09	1.08E-08	9.50E-10	1.47E-08	3.30E-10	1.89E-09	2.26E-10	2.45E-09	3.00E-10	9.91E-10	6.83E-11	1.36E-09
9376	471149.52	3820188.13	3.49E-09	1.47E-08	1.32E-09	1.95E-08	2.91E-09	1.08E-08	9.47E-10	1.46E-08	3.29E-10	1.89E-09	2.25E-10	2.44E-09	3.00E-10	9.88E-10	6.81E-11	1.36E-09
9377	471145.74	3820197	3.48E-09	1.46E-08	1.32E-09	1.94E-08	2.90E-09	1.07E-08	9.44E-10	1.46E-08	3.28E-10	1.88E-09	2.24E-10	2.43E-09	2.99E-10	9.85E-10	6.79E-11	1.35E-09
9378	471141.97	3820205.87	3.47E-09	1.46E-08	1.31E-09	1.93E-08	2.89E-09	1.07E-08	9.41E-10	1.45E-08	3.27E-10	1.87E-09	2.24E-10	2.43E-09	2.98E-10	9.82E-10	6.77E-11	1.35E-09
9379	471138.19	3820214.73	3.46E-09	1.45E-08	1.31E-09	1.93E-08	2.88E-09	1.07E-08	9.38E-10	1.45E-08	3.26E-10	1.87E-09	2.23E-10	2.42E-09	2.97E-10	9.78E-10	6.74E-11	1.34E-09
9380	471134.41	3820223.6	3.44E-09	1.45E-08	1.30E-09	1.92E-08	2.87E-09	1.06E-08	9.35E-10	1.44E-08	3.25E-10	1.86E-09	2.22E-10	2.41E-09	2.96E-10	9.75E-10	6.72E-11	1.34E-09

9381	471130.64	3820232.47	3.43E-09	1.44E-08	1.30E-09	1.91E-08	2.86E-09	1.06E-08	9.32E-10	1.44E-08	3.24E-10	1.86E-09	2.21E-10	2.40E-09	2.95E-10	9.71E-10	6.70E-11	1.33E-09
9382	471126.86	3820241.34	3.42E-09	1.44E-08	1.29E-09	1.91E-08	2.85E-09	1.06E-08	9.28E-10	1.43E-08	3.23E-10	1.85E-09	2.21E-10	2.39E-09	2.94E-10	9.68E-10	6.67E-11	1.33E-09
9383	471123.08	3820250.21	3.41E-09	1.43E-08	1.29E-09	1.90E-08	2.84E-09	1.05E-08	9.25E-10	1.43E-08	3.22E-10	1.84E-09	2.20E-10	2.38E-09	2.92E-10	9.64E-10	6.65E-11	1.32E-09
9384	471119.31	3820259.08	3.39E-09	1.43E-08	1.28E-09	1.89E-08	2.83E-09	1.05E-08	9.21E-10	1.42E-08	3.20E-10	1.83E-09	2.19E-10	2.37E-09	2.91E-10	9.61E-10	6.62E-11	1.32E-09
9385	471115.53	3820267.94	3.38E-09	1.42E-08	1.28E-09	1.89E-08	2.82E-09	1.04E-08	9.17E-10	1.42E-08	3.19E-10	1.83E-09	2.18E-10	2.36E-09	2.90E-10	9.57E-10	6.59E-11	1.31E-09
9386	471111.75	3820276.81	3.37E-09	1.41E-08	1.27E-09	1.88E-08	2.80E-09	1.04E-08	9.14E-10	1.41E-08	3.18E-10	1.82E-09	2.17E-10	2.35E-09	2.89E-10	9.53E-10	6.57E-11	1.31E-09
9387	471107.98	3820285.68	3.35E-09	1.41E-08	1.27E-09	1.87E-08	2.79E-09	1.03E-08	9.10E-10	1.40E-08	3.16E-10	1.81E-09	2.16E-10	2.34E-09	2.88E-10	9.48E-10	6.54E-11	1.30E-09
9388	471095.25	3820298.12	3.36E-09	1.41E-08	1.27E-09	1.87E-08	2.80E-09	1.04E-08	9.11E-10	1.41E-08	3.17E-10	1.81E-09	2.16E-10	2.35E-09	2.88E-10	9.50E-10	6.55E-11	1.30E-09
9389	471086.3	3820301.7	3.38E-09	1.42E-08	1.28E-09	1.88E-08	2.81E-09	1.04E-08	9.16E-10	1.41E-08	3.19E-10	1.82E-09	2.18E-10	2.36E-09	2.90E-10	9.56E-10	6.59E-11	1.31E-09
9390	471077.35	3820305.28	3.39E-09	1.43E-08	1.28E-09	1.89E-08	2.83E-09	1.05E-08	9.22E-10	1.42E-08	3.21E-10	1.84E-09	2.19E-10	2.37E-09	2.91E-10	9.61E-10	6.62E-11	1.32E-09
9391	471068.4	3820308.85	3.41E-09	1.43E-08	1.29E-09	1.90E-08	2.84E-09	1.05E-08	9.27E-10	1.43E-08	3.22E-10	1.85E-09	2.20E-10	2.39E-09	2.93E-10	9.66E-10	6.66E-11	1.33E-09
9392	471059.44	3820312.43	3.43E-09	1.44E-08	1.30E-09	1.91E-08	2.86E-09	1.06E-08	9.31E-10	1.44E-08	3.24E-10	1.85E-09	2.21E-10	2.40E-09	2.95E-10	9.71E-10	6.69E-11	1.33E-09
9393	471050.49	3820316.01	3.45E-09	1.45E-08	1.30E-09	1.92E-08	2.87E-09	1.06E-08	9.36E-10	1.45E-08	3.26E-10	1.86E-09	2.22E-10	2.41E-09	2.96E-10	9.76E-10	6.73E-11	1.34E-09
9394	471041.54	3820319.58	3.47E-09	1.46E-08	1.31E-09	1.93E-08	2.89E-09	1.07E-08	9.41E-10	1.45E-08	3.27E-10	1.87E-09	2.24E-10	2.43E-09	2.98E-10	9.81E-10	6.76E-11	1.35E-09
9395	471032.59	3820323.16	3.48E-09	1.46E-08	1.32E-09	1.94E-08	2.90E-09	1.07E-08	9.46E-10	1.46E-08	3.29E-10	1.88E-09	2.25E-10	2.44E-09	2.99E-10	9.86E-10	6.80E-11	1.35E-09
9396	471023.64	3820326.73	3.50E-09	1.47E-08	1.32E-09	1.95E-08	2.92E-09	1.08E-08	9.50E-10	1.47E-08	3.31E-10	1.89E-09	2.26E-10	2.45E-09	3.01E-10	9.91E-10	6.83E-11	1.36E-09
9397	471014.69	3820330.31	3.52E-09	1.48E-08	1.33E-09	1.96E-08	2.93E-09	1.09E-08	9.55E-10	1.47E-08	3.32E-10	1.90E-09	2.27E-10	2.46E-09	3.02E-10	9.96E-10	6.86E-11	1.37E-09
9398	471005.74	3820333.89	3.53E-09	1.48E-08	1.34E-09	1.97E-08	2.94E-09	1.09E-08	9.59E-10	1.48E-08	3.34E-10	1.91E-09	2.28E-10	2.47E-09	3.03E-10	1.00E-09	6.90E-11	1.37E-09
9399	470996.79	3820337.46	3.55E-09	1.49E-08	1.34E-09	1.98E-08	2.96E-09	1.10E-08	9.64E-10	1.49E-08	3.35E-10	1.92E-09	2.29E-10	2.48E-09	3.05E-10	1.01E-09	6.93E-11	1.38E-09
9400	470987.84	3820341.04	3.57E-09	1.50E-08	1.35E-09	1.99E-08	2.97E-09	1.10E-08	9.69E-10	1.50E-08	3.37E-10	1.93E-09	2.30E-10	2.50E-09	3.06E-10	1.01E-09	6.96E-11	1.39E-09
9401	470960.99	3820351.77	3.62E-09	1.52E-08	1.37E-09	2.02E-08	3.02E-09	1.12E-08	9.83E-10	1.52E-08	3.42E-10	1.96E-09	2.34E-10	2.53E-09	3.11E-10	1.02E-09	7.06E-11	1.41E-09
9402	470952.04	3820355.34	3.64E-09	1.53E-08	1.38E-09	2.03E-08	3.03E-09	1.12E-08	9.88E-10	1.52E-08	3.44E-10	1.97E-09	2.35E-10	2.55E-09	3.12E-10	1.03E-09	7.10E-11	1.41E-09
9403	470943.08	3820358.92	3.66E-09	1.54E-08	1.38E-09	2.04E-08	3.05E-09	1.13E-08	9.93E-10	1.53E-08	3.45E-10	1.98E-09	2.36E-10	2.56E-09	3.14E-10	1.04E-09	7.14E-11	1.42E-09
9404	470934.13	3820362.5	3.68E-09	1.54E-08	1.39E-09	2.05E-08	3.06E-09	1.13E-08	9.98E-10	1.54E-08	3.47E-10	1.99E-09	2.37E-10	2.57E-09	3.16E-10	1.04E-09	7.17E-11	1.43E-09
9405	470925.18	3820366.07	3.69E-09	1.55E-08	1.40E-09	2.06E-08	3.08E-09	1.14E-08	1.00E-09	1.55E-08	3.49E-10	2.00E-09	2.38E-10	2.58E-09	3.17E-10	1.05E-09	7.21E-11	1.44E-09
9406	470916.23	3820369.65	3.71E-09	1.56E-08	1.40E-09	2.07E-08	3.09E-09	1.15E-08	1.01E-09	1.56E-08	3.51E-10	2.01E-09	2.40E-10	2.60E-09	3.19E-10	1.05E-09	7.25E-11	1.44E-09
9407	470907.28	3820373.23	3.74E-09	1.57E-08	1.41E-09	2.08E-08	3.11E-09	1.15E-08	1.01E-09	1.57E-08	3.53E-10	2.02E-09	2.41E-10	2.61E-09	3.21E-10	1.06E-09	7.29E-11	1.45E-09
9408	470898.33	3820376.8	3.76E-09	1.58E-08	1.42E-09	2.10E-08	3.13E-09	1.16E-08	1.02E-09	1.57E-08	3.55E-10	2.03E-09	2.42E-10	2.63E-09	3.23E-10	1.06E-09	7.33E-11	1.46E-09
9409	470889.38	3820380.38	3.78E-09	1.59E-08	1.43E-09	2.11E-08	3.15E-09	1.17E-08	1.03E-09	1.58E-08	3.57E-10	2.04E-09	2.44E-10	2.64E-09	3.24E-10	1.07E-09	7.37E-11	1.47E-09
9410	470880.43	3820383.95	3.80E-09	1.60E-08	1.44E-09	2.12E-08	3.17E-09	1.17E-08	1.03E-09	1.59E-08	3.59E-10	2.05E-09	2.45E-10	2.66E-09	3.26E-10	1.08E-09	7.42E-11	1.48E-09
9411	470871.48	3820387.53	3.82E-09	1.61E-08	1.45E-09	2.13E-08	3.18E-09	1.18E-08	1.04E-09	1.60E-08	3.61E-10	2.07E-09	2.47E-10	2.67E-09	3.28E-10	1.08E-09	7.46E-11	1.49E-09
9412	470862.53	3820391.11	3.85E-09	1.62E-08	1.46E-09	2.15E-08	3.20E-09	1.19E-08	1.04E-09	1.61E-08	3.63E-10	2.08E-09	2.48E-10	2.69E-09	3.30E-10	1.09E-09	7.51E-11	1.49E-09
9413	470790.92	3820419.72	4.10E-09	1.72E-08	1.55E-09	2.29E-08	3.41E-09	1.26E-08	1.11E-09	1.72E-08	3.87E-10	2.21E-09	2.64E-10	2.87E-09	3.52E-10	1.16E-09	7.99E-11	1.59E-09
9414	470781.97	3820423.29	4.13E-09	1.74E-08	1.56E-09	2.31E-08	3.44E-09	1.28E-08	1.12E-09	1.73E-08	3.90E-10	2.23E-09	2.67E-10	2.89E-09	3.55E-10	1.17E-09	8.06E-11	1.61E-09
9415	470773.02	3820426.87	4.17E-09	1.75E-08	1.58E-09	2.33E-08	3.47E-09	1.29E-08	1.13E-09	1.75E-08	3.94E-10	2.25E-09	2.69E-10	2.92E-09	3.58E-10	1.18E-09	8.14E-11	1.62E-09
9416	470764.07	3820430.45	4.21E-09	1.77E-08	1.59E-09	2.35E-08	3.51E-09	1.30E-08	1.14E-09	1.76E-08	3.98E-10	2.28E-09	2.72E-10	2.95E-09	3.61E-10	1.19E-09	8.21E-11	1.64E-09
9417	470755.12	3820434.02	4.25E-09	1.79E-08	1.61E-09	2.37E-08	3.54E-09	1.31E-08	1.15E-09	1.78E-08	4.01E-10	2.30E-09	2.74E-10	2.97E-09	3.65E-10	1.20E-09	8.29E-11	1.65E-09
9418	470746.17	3820437.6	4.29E-09	1.80E-08	1.62E-09	2.39E-08	3.58E-09	1.32E-08	1.17E-09	1.80E-08	4.05E-10	2.32E-09	2.77E-10	3.00E-09	3.69E-10	1.22E-09	8.38E-11	1.67E-09
9419	470737.22	3820441.17	4.34E-09	1.82E-08	1.64E-09	2.42E-08	3.61E-09	1.34E-08	1.18E-09	1.82E-08	4.09E-10	2.34E-09	2.80E-10	3.03E-09	3.72E-10	1.23E-09	8.46E-11	1.68E-09
9420	470728.27	3820444.75	4.38E-09	1.84E-08	1.66E-09	2.44E-08	3.65E-09	1.35E-08	1.19E-09	1.84E-08	4.14E-10	2.37E-09	2.83E-10	3.06E-09	3.76E-10	1.24E-09	8.55E-11	1.70E-09
9421	470719.31	3820448.33	4.42E-09	1.86E-08	1.67E-09	2.47E-08	3.69E-09	1.37E-08	1.20E-09	1.85E-08	4.18E-10	2.39E-09	2.85E-10	3.10E-09	3.80E-10	1.25E-09	8.63E-11	1.72E-09
9422	470710.36	3820451.9	4.47E-09	1.88E-08	1.69E-09	2.49E-08	3.72E-09	1.38E-08	1.21E-09	1.87E-08	4.22E-10	2.42E-09	2.88E-10	3.13E-09	3.84E-10	1.27E-09	8.72E-11	1.74E-09
9423	470701.41	3820455.48	4.52E-09	1.90E-08	1.71E-09	2.52E-08	3.77E-09	1.40E-08	1.23E-09	1.89E-08	4.27E-10	2.44E-09	2.92E-10	3.16E-09	3.88E-10	1.28E-09	8.82E-11	1.76E-09
9424	470692.46	3820459.06	4.57E-09	1.92E-08	1.73E-09	2.55E-08	3.81E-09	1.41E-08	1.24E-09	1.92E-08	4.32E-10	2.47E-09	2.95E-10	3.20E-09	3.93E-10	1.29E-09	8.92E-11	1.78E-09
9425	470683.51	3820462.63	4.62E-09	1.94E-08	1.75E-09	2.58E-08	3.85E-09	1.43E-08	1.26E-09	1.94E-08	4.37E-10	2.50E-09	2.98E-10	3.23E-09	3.97E-10	1.31E-09	9.02E-11	1.80E-09
9426	470674.56	3820466.21	4.67E-09	1.96E-08	1.77E-09	2.61E-08	3.89E-09	1.44E-08	1.27E-09	1.96E-08	4.41E-10	2.53E-09	3.02E-10	3.27E-09	4.01E-10	1.32E-09	9.12E-11	1.82E-09
9427	470665.61	3820469.78	4.72E-09	1.98E-08	1.79E-09	2.64E-08	3.94E-09	1.46E-08	1.28E-09	1.98E-08	4.46E-10	2.55E-09	3.05E-10	3.30E-09	4.06E-10	1.34E-09	9.22E-11	1.84E-09
9428	470656.66	3820473.36	4.77E-09	2.00E-08	1.81E-09	2.66E-08	3.98E-09	1.47E-08	1.30E-09	2.00E-08	4.51E-10	2.58E-09	3.08E-10	3.34E-09	4.10E-10	1.35E-09	9.31E-11	1.85E-09
9429	470647.71	3820476.94	4.82E-09	2.03E-08	1.82E-09	2.69E-08	4.02E-09	1.49E-08	1.31E-09	2.02E-08	4.55E-10	2.61E-09	3.11E-10	3.37E-09	4.14E-10	1.36E-09	9.41E-11	1.87E-09
9430	470638.76	3820480.51	4.87E-09	2.05E-08	1.84E-09	2.72E-08	4.06E-09	1.50E-08	1.32E-09	2.04E-08	4.60E-10	2.63E-09	3.14E-10	3.41E-09	4.18E-10	1.38E-09	9.50E-11	1.89E-09
9431	470629.81	3820484.09	4.92E-09	2.07E-08	1.86E-09	2.74E-08	4.10E-09	1.52E-08	1.34E-09	2.06E-08	4.64E-10	2.66E-09	3.17E-10	3.44E-09	4.22E-10	1.39E-09	9.60E-11	1.91E-09

9432	470620.86	3820487.67	4.97E-09	2.09E-08	1.88E-09	2.77E-08	4.14E-09	1.53E-08	1.35E-09	2.08E-08	4.69E-10	2.69E-09	3.20E-10	3.47E-09	4.26E-10	1.41E-09	9.69E-11	1.93E-09
9433	470611.91	3820491.24	5.01E-09	2.10E-08	1.90E-09	2.79E-08	4.17E-09	1.55E-08	1.36E-09	2.10E-08	4.73E-10	2.71E-09	3.23E-10	3.51E-09	4.30E-10	1.42E-09	9.78E-11	1.95E-09
9434	470602.95	3820494.82	5.05E-09	2.12E-08	1.91E-09	2.82E-08	4.21E-09	1.56E-08	1.37E-09	2.12E-08	4.77E-10	2.73E-09	3.26E-10	3.53E-09	4.34E-10	1.43E-09	9.86E-11	1.96E-09
9435	470594	3820498.39	5.09E-09	2.14E-08	1.93E-09	2.84E-08	4.24E-09	1.57E-08	1.38E-09	2.13E-08	4.81E-10	2.75E-09	3.29E-10	3.56E-09	4.37E-10	1.44E-09	9.94E-11	1.98E-09
9436	470585.05	3820501.97	5.13E-09	2.16E-08	1.94E-09	2.86E-08	4.28E-09	1.58E-08	1.39E-09	2.15E-08	4.85E-10	2.78E-09	3.31E-10	3.59E-09	4.41E-10	1.45E-09	1.00E-10	1.99E-09
9437	470576.1	3820505.55	5.17E-09	2.17E-08	1.96E-09	2.88E-08	4.31E-09	1.60E-08	1.40E-09	2.17E-08	4.88E-10	2.80E-09	3.34E-10	3.62E-09	4.44E-10	1.46E-09	1.01E-10	2.01E-09
9438	470567.15	3820509.12	5.21E-09	2.19E-08	1.97E-09	2.90E-08	4.34E-09	1.61E-08	1.41E-09	2.18E-08	4.92E-10	2.82E-09	3.36E-10	3.64E-09	4.47E-10	1.47E-09	1.02E-10	2.02E-09
9439	470558.2	3820512.7	5.24E-09	2.20E-08	1.98E-09	2.92E-08	4.37E-09	1.62E-08	1.42E-09	2.20E-08	4.95E-10	2.83E-09	3.38E-10	3.67E-09	4.50E-10	1.48E-09	1.02E-10	2.04E-09
9440	470549.25	3820516.28	5.27E-09	2.21E-08	1.99E-09	2.94E-08	4.39E-09	1.63E-08	1.43E-09	2.21E-08	4.98E-10	2.85E-09	3.40E-10	3.69E-09	4.53E-10	1.49E-09	1.03E-10	2.05E-09
9441	470540.3	3820519.85	5.30E-09	2.23E-08	2.01E-09	2.96E-08	4.42E-09	1.64E-08	1.44E-09	2.22E-08	5.01E-10	2.87E-09	3.42E-10	3.71E-09	4.55E-10	1.50E-09	1.03E-10	2.06E-09
9442	470531.35	3820523.43	5.33E-09	2.24E-08	2.02E-09	2.97E-08	4.44E-09	1.65E-08	1.45E-09	2.23E-08	5.04E-10	2.88E-09	3.44E-10	3.73E-09	4.58E-10	1.51E-09	1.04E-10	2.07E-09
9443	470522.4	3820527	5.36E-09	2.25E-08	2.03E-09	2.99E-08	4.46E-09	1.65E-08	1.45E-09	2.25E-08	5.06E-10	2.90E-09	3.46E-10	3.75E-09	4.60E-10	1.52E-09	1.05E-10	2.08E-09
9444	470513.45	3820530.58	5.38E-09	2.26E-08	2.04E-09	3.00E-08	4.48E-09	1.66E-08	1.46E-09	2.26E-08	5.08E-10	2.91E-09	3.47E-10	3.77E-09	4.62E-10	1.52E-09	1.05E-10	2.09E-09
9445	470504.5	3820534.16	5.41E-09	2.27E-08	2.04E-09	3.01E-08	4.50E-09	1.67E-08	1.47E-09	2.26E-08	5.10E-10	2.92E-09	3.49E-10	3.78E-09	4.64E-10	1.53E-09	1.05E-10	2.10E-09
9446	470495.54	3820537.73	5.43E-09	2.28E-08	2.05E-09	3.03E-08	4.52E-09	1.67E-08	1.47E-09	2.27E-08	5.12E-10	2.93E-09	3.50E-10	3.79E-09	4.66E-10	1.54E-09	1.06E-10	2.11E-09
9447	470486.59	3820541.31	5.44E-09	2.29E-08	2.06E-09	3.04E-08	4.53E-09	1.68E-08	1.48E-09	2.28E-08	5.14E-10	2.94E-09	3.51E-10	3.81E-09	4.67E-10	1.54E-09	1.06E-10	2.11E-09
9448	470477.64	3820544.89	5.46E-09	2.29E-08	2.07E-09	3.05E-08	4.55E-09	1.69E-08	1.48E-09	2.29E-08	5.16E-10	2.95E-09	3.52E-10	3.82E-09	4.69E-10	1.55E-09	1.07E-10	2.12E-09
9449	470468.69	3820548.46	5.48E-09	2.30E-08	2.07E-09	3.06E-08	4.56E-09	1.69E-08	1.49E-09	2.30E-08	5.17E-10	2.96E-09	3.53E-10	3.83E-09	4.70E-10	1.55E-09	1.07E-10	2.13E-09
9450	470459.74	3820552.04	5.50E-09	2.31E-08	2.08E-09	3.06E-08	4.58E-09	1.70E-08	1.49E-09	2.30E-08	5.19E-10	2.97E-09	3.54E-10	3.84E-09	4.72E-10	1.56E-09	1.07E-10	2.13E-09
9451	470450.79	3820555.61	5.51E-09	2.31E-08	2.08E-09	3.07E-08	4.59E-09	1.70E-08	1.50E-09	2.31E-08	5.20E-10	2.98E-09	3.55E-10	3.86E-09	4.73E-10	1.56E-09	1.08E-10	2.14E-09
9452	470441.84	3820559.19	5.53E-09	2.32E-08	2.09E-09	3.08E-08	4.60E-09	1.71E-08	1.50E-09	2.32E-08	5.22E-10	2.99E-09	3.56E-10	3.87E-09	4.74E-10	1.56E-09	1.08E-10	2.15E-09
9453	470432.89	3820562.77	5.54E-09	2.33E-08	2.10E-09	3.09E-08	4.62E-09	1.71E-08	1.50E-09	2.32E-08	5.23E-10	3.00E-09	3.57E-10	3.88E-09	4.76E-10	1.57E-09	1.08E-10	2.15E-09
9454	470423.94	3820566.34	5.55E-09	2.33E-08	2.10E-09	3.10E-08	4.63E-09	1.71E-08	1.51E-09	2.33E-08	5.25E-10	3.00E-09	3.58E-10	3.89E-09	4.77E-10	1.57E-09	1.08E-10	2.16E-09
9455	470414.99	3820569.92	5.57E-09	2.34E-08	2.11E-09	3.11E-08	4.64E-09	1.72E-08	1.51E-09	2.33E-08	5.26E-10	3.01E-09	3.59E-10	3.89E-09	4.78E-10	1.58E-09	1.09E-10	2.16E-09
9456	470406.04	3820573.5	5.58E-09	2.34E-08	2.11E-09	3.11E-08	4.65E-09	1.72E-08	1.51E-09	2.34E-08	5.27E-10	3.02E-09	3.60E-10	3.90E-09	4.79E-10	1.58E-09	1.09E-10	2.17E-09
9457	470397.09	3820577.07	5.59E-09	2.35E-08	2.12E-09	3.12E-08	4.66E-09	1.73E-08	1.52E-09	2.34E-08	5.28E-10	3.02E-09	3.61E-10	3.91E-09	4.80E-10	1.58E-09	1.09E-10	2.17E-09
9458	470388.14	3820580.65	5.61E-09	2.35E-08	2.12E-09	3.13E-08	4.67E-09	1.73E-08	1.52E-09	2.35E-08	5.29E-10	3.03E-09	3.62E-10	3.92E-09	4.81E-10	1.59E-09	1.09E-10	2.18E-09
9459	470379.18	3820584.22	5.62E-09	2.36E-08	2.13E-09	3.13E-08	4.68E-09	1.73E-08	1.53E-09	2.35E-08	5.31E-10	3.04E-09	3.62E-10	3.93E-09	4.82E-10	1.59E-09	1.10E-10	2.18E-09
9460	470370.23	3820587.8	5.63E-09	2.37E-08	2.13E-09	3.14E-08	4.69E-09	1.74E-08	1.53E-09	2.36E-08	5.32E-10	3.04E-09	3.63E-10	3.94E-09	4.83E-10	1.59E-09	1.10E-10	2.19E-09
9461	470361.28	3820591.38	5.64E-09	2.37E-08	2.13E-09	3.15E-08	4.70E-09	1.74E-08	1.53E-09	2.36E-08	5.33E-10	3.05E-09	3.64E-10	3.95E-09	4.84E-10	1.60E-09	1.10E-10	2.19E-09
9462	470352.33	3820594.95	5.65E-09	2.37E-08	2.14E-09	3.15E-08	4.71E-09	1.75E-08	1.54E-09	2.37E-08	5.34E-10	3.06E-09	3.65E-10	3.96E-09	4.85E-10	1.60E-09	1.10E-10	2.20E-09
9463	470343.38	3820598.53	5.67E-09	2.38E-08	2.14E-09	3.16E-08	4.72E-09	1.75E-08	1.54E-09	2.37E-08	5.35E-10	3.06E-09	3.65E-10	3.96E-09	4.86E-10	1.60E-09	1.11E-10	2.20E-09
9464	470334.43	3820602.11	5.68E-09	2.38E-08	2.15E-09	3.17E-08	4.73E-09	1.75E-08	1.54E-09	2.38E-08	5.36E-10	3.07E-09	3.66E-10	3.97E-09	4.87E-10	1.61E-09	1.11E-10	2.21E-09
9465	470325.48	3820605.68	5.69E-09	2.39E-08	2.15E-09	3.17E-08	4.74E-09	1.76E-08	1.54E-09	2.38E-08	5.37E-10	3.08E-09	3.67E-10	3.98E-09	4.88E-10	1.61E-09	1.11E-10	2.21E-09
9466	470316.53	3820609.26	5.70E-09	2.39E-08	2.16E-09	3.18E-08	4.75E-09	1.76E-08	1.55E-09	2.39E-08	5.38E-10	3.08E-09	3.68E-10	3.99E-09	4.89E-10	1.61E-09	1.11E-10	2.21E-09
9467	470307.58	3820612.83	5.72E-09	2.40E-08	2.16E-09	3.19E-08	4.76E-09	1.76E-08	1.55E-09	2.40E-08	5.40E-10	3.09E-09	3.69E-10	4.00E-09	4.91E-10	1.62E-09	1.12E-10	2.22E-09
9468	470298.63	3820616.41	5.73E-09	2.41E-08	2.17E-09	3.20E-08	4.78E-09	1.77E-08	1.56E-09	2.40E-08	5.41E-10	3.10E-09	3.70E-10	4.01E-09	4.92E-10	1.62E-09	1.12E-10	2.23E-09
9469	470289.68	3820619.99	5.75E-09	2.41E-08	2.17E-09	3.21E-08	4.79E-09	1.77E-08	1.56E-09	2.41E-08	5.43E-10	3.11E-09	3.71E-10	4.02E-09	4.94E-10	1.63E-09	1.12E-10	2.23E-09
9470	470280.73	3820623.56	5.77E-09	2.42E-08	2.18E-09	3.22E-08	4.81E-09	1.78E-08	1.57E-09	2.42E-08	5.45E-10	3.12E-09	3.72E-10	4.04E-09	4.95E-10	1.63E-09	1.13E-10	2.24E-09
9471	470271.77	3820627.14	5.79E-09	2.43E-08	2.19E-09	3.23E-08	4.82E-09	1.79E-08	1.57E-09	2.42E-08	5.46E-10	3.13E-09	3.73E-10	4.05E-09	4.97E-10	1.64E-09	1.13E-10	2.25E-09
9472	471459.21	3819460.95	3.06E-09	1.29E-08	1.16E-09	1.71E-08	2.55E-09	9.46E-09	8.32E-10	1.28E-08	2.89E-10	1.66E-09	1.98E-10	2.14E-09	2.63E-10	8.68E-10	5.98E-11	1.19E-09
9473	471459.29	3819451.3	3.06E-09	1.28E-08	1.16E-09	1.70E-08	2.55E-09	9.43E-09	8.30E-10	1.28E-08	2.89E-10	1.65E-09	1.97E-10	2.14E-09	2.62E-10	8.65E-10	5.96E-11	1.19E-09
9474	471459.37	3819441.65	3.05E-09	1.28E-08	1.15E-09	1.70E-08	2.54E-09	9.40E-09	8.27E-10	1.28E-08	2.88E-10	1.65E-09	1.97E-10	2.13E-09	2.62E-10	8.63E-10	5.95E-11	1.18E-09
9475	471459.45	3819432	3.04E-09	1.28E-08	1.15E-09	1.69E-08	2.53E-09	9.37E-09	8.25E-10	1.27E-08	2.87E-10	1.64E-09	1.96E-10	2.13E-09	2.61E-10	8.60E-10	5.93E-11	1.18E-09
9476	471459.54	3819422.35	3.03E-09	1.27E-08	1.14E-09	1.69E-08	2.52E-09	9.34E-09	8.22E-10	1.27E-08	2.86E-10	1.64E-09	1.95E-10	2.12E-09	2.60E-10	8.57E-10	5.91E-11	1.18E-09
9477	471459.62	3819412.71	3.01E-09	1.27E-08	1.14E-09	1.68E-08	2.51E-09	9.30E-09	8.18E-10	1.26E-08	2.85E-10	1.63E-09	1.94E-10	2.11E-09	2.59E-10	8.53E-10	5.88E-11	1.17E-09
9478	471459.87	3819383.76	2.97E-09	1.25E-08	1.12E-09	1.66E-08	2.48E-09	9.17E-09	8.07E-10	1.25E-08	2.81E-10	1.61E-09	1.92E-10	2.08E-09	2.55E-10	8.41E-10	5.80E-11	1.15E-09
9479	471459.95	3819374.11	2.96E-09	1.24E-08	1.12E-09	1.65E-08	2.46E-09	9.12E-09	8.02E-10	1.24E-08	2.79E-10	1.60E-09	1.91E-10	2.07E-09	2.54E-10	8.37E-10	5.77E-11	1.15E-09
9480	471460.03	3819364.47	2.94E-09	1.23E-08	1.11E-09	1.64E-08	2.45E-09	9.07E-09	7.98E-10	1.23E-08	2.77E-10	1.59E-09	1.90E-10	2.06E-09	2.52E-10	8.32E-10	5.73E-11	1.14E-09
9481	471460.12	3819354.82	2.92E-09	1.23E-08	1.10E-09	1.63E-08	2.43E-09	9.01E-09	7.93E-10	1.22E-08	2.76E-10	1.58E-09	1.88E-10	2.04E-09	2.51E-10	8.27E-10	5.70E-11	1.13E-09
9482	471460.2	3819345.17	2.90E-09	1.22E-08	1.10E-09	1.62E-08	2.42E-09	8.95E-09	7.87E-10	1.22E-08	2.74E-10	1.57E-09	1.87E-10	2.03E-09	2.49E-10	8.21E-10	5.66E-11	1.13E-09

9483	471460.28	3819335.52	2.88E-09	1.21E-08	1.09E-09	1.61E-08	2.40E-09	8.88E-09	7.82E-10	1.21E-08	2.72E-10	1.56E-09	1.86E-10	2.01E-09	2.47E-10	8.15E-10	5.62E-11	1.12E-09
9484	471460.36	3819325.87	2.86E-09	1.20E-08	1.08E-09	1.59E-08	2.38E-09	8.82E-09	7.76E-10	1.20E-08	2.70E-10	1.54E-09	1.84E-10	2.00E-09	2.45E-10	8.09E-10	5.57E-11	1.11E-09
9485	471460.45	3819316.22	2.83E-09	1.19E-08	1.07E-09	1.58E-08	2.36E-09	8.74E-09	7.69E-10	1.19E-08	2.68E-10	1.53E-09	1.83E-10	1.98E-09	2.43E-10	8.02E-10	5.53E-11	1.10E-09
9486	471460.53	3819306.58	2.81E-09	1.18E-08	1.06E-09	1.57E-08	2.34E-09	8.67E-09	7.63E-10	1.18E-08	2.65E-10	1.52E-09	1.81E-10	1.97E-09	2.41E-10	7.95E-10	5.48E-11	1.09E-09
9487	471460.61	3819296.93	2.78E-09	1.17E-08	1.05E-09	1.55E-08	2.32E-09	8.59E-09	7.56E-10	1.17E-08	2.63E-10	1.51E-09	1.80E-10	1.95E-09	2.39E-10	7.88E-10	5.43E-11	1.08E-09
9488	471460.7	3819287.28	2.76E-09	1.16E-08	1.04E-09	1.54E-08	2.30E-09	8.51E-09	7.49E-10	1.16E-08	2.60E-10	1.49E-09	1.78E-10	1.93E-09	2.37E-10	7.81E-10	5.38E-11	1.07E-09
9489	471460.78	3819277.63	2.73E-09	1.15E-08	1.03E-09	1.52E-08	2.27E-09	8.42E-09	7.41E-10	1.14E-08	2.58E-10	1.48E-09	1.76E-10	1.91E-09	2.34E-10	7.73E-10	5.33E-11	1.06E-09
9490	471460.86	3819267.98	2.70E-09	1.13E-08	1.02E-09	1.51E-08	2.25E-09	8.34E-09	7.33E-10	1.13E-08	2.55E-10	1.46E-09	1.74E-10	1.89E-09	2.32E-10	7.65E-10	5.27E-11	1.05E-09
9491	471460.94	3819258.34	2.67E-09	1.12E-08	1.01E-09	1.49E-08	2.23E-09	8.25E-09	7.25E-10	1.12E-08	2.52E-10	1.44E-09	1.72E-10	1.87E-09	2.29E-10	7.56E-10	5.21E-11	1.04E-09
9492	471535.45	3819470.45	2.72E-09	1.14E-08	1.03E-09	1.52E-08	2.27E-09	8.39E-09	7.38E-10	1.14E-08	2.57E-10	1.47E-09	1.75E-10	1.90E-09	2.34E-10	7.70E-10	5.31E-11	1.06E-09
9493	471524.19	3819496.89	2.78E-09	1.17E-08	1.05E-09	1.55E-08	2.32E-09	8.58E-09	7.55E-10	1.17E-08	2.63E-10	1.50E-09	1.79E-10	1.95E-09	2.39E-10	7.87E-10	5.43E-11	1.08E-09
9494	471520.44	3819505.7	2.80E-09	1.18E-08	1.06E-09	1.56E-08	2.33E-09	8.64E-09	7.60E-10	1.17E-08	2.65E-10	1.51E-09	1.81E-10	1.96E-09	2.40E-10	7.93E-10	5.47E-11	1.09E-09
9495	471516.68	3819514.51	2.82E-09	1.18E-08	1.07E-09	1.57E-08	2.35E-09	8.70E-09	7.66E-10	1.18E-08	2.66E-10	1.52E-09	1.82E-10	1.97E-09	2.42E-10	7.98E-10	5.50E-11	1.10E-09
9496	471512.93	3819523.32	2.84E-09	1.19E-08	1.07E-09	1.58E-08	2.36E-09	8.76E-09	7.71E-10	1.19E-08	2.68E-10	1.53E-09	1.83E-10	1.99E-09	2.44E-10	8.04E-10	5.54E-11	1.10E-09
9497	471509.18	3819532.14	2.86E-09	1.20E-08	1.08E-09	1.59E-08	2.38E-09	8.82E-09	7.76E-10	1.20E-08	2.70E-10	1.55E-09	1.84E-10	2.00E-09	2.45E-10	8.09E-10	5.58E-11	1.11E-09
9498	471505.42	3819540.95	2.88E-09	1.21E-08	1.09E-09	1.60E-08	2.40E-09	8.88E-09	7.81E-10	1.21E-08	2.72E-10	1.56E-09	1.86E-10	2.01E-09	2.47E-10	8.14E-10	5.61E-11	1.12E-09
9499	471501.67	3819549.76	2.90E-09	1.22E-08	1.10E-09	1.61E-08	2.41E-09	8.93E-09	7.86E-10	1.21E-08	2.73E-10	1.57E-09	1.87E-10	2.03E-09	2.49E-10	8.20E-10	5.65E-11	1.12E-09
9500	471497.92	3819558.58	2.91E-09	1.22E-08	1.10E-09	1.62E-08	2.43E-09	8.99E-09	7.91E-10	1.22E-08	2.75E-10	1.57E-09	1.88E-10	2.04E-09	2.50E-10	8.25E-10	5.68E-11	1.13E-09
9501	471494.16	3819567.39	2.93E-09	1.23E-08	1.11E-09	1.63E-08	2.44E-09	9.04E-09	7.96E-10	1.23E-08	2.77E-10	1.58E-09	1.89E-10	2.05E-09	2.52E-10	8.30E-10	5.72E-11	1.14E-09
9502	471490.41	3819576.2	2.95E-09	1.24E-08	1.12E-09	1.64E-08	2.46E-09	9.10E-09	8.00E-10	1.24E-08	2.78E-10	1.59E-09	1.90E-10	2.06E-09	2.53E-10	8.35E-10	5.75E-11	1.15E-09
9503	471486.66	3819585.02	2.97E-09	1.25E-08	1.12E-09	1.65E-08	2.47E-09	9.15E-09	8.05E-10	1.24E-08	2.80E-10	1.60E-09	1.91E-10	2.07E-09	2.55E-10	8.40E-10	5.79E-11	1.15E-09
9504	471482.91	3819593.83	2.98E-09	1.25E-08	1.13E-09	1.66E-08	2.48E-09	9.21E-09	8.10E-10	1.25E-08	2.82E-10	1.61E-09	1.92E-10	2.09E-09	2.56E-10	8.44E-10	5.82E-11	1.16E-09
9505	471479.15	3819602.64	3.00E-09	1.26E-08	1.13E-09	1.67E-08	2.50E-09	9.26E-09	8.14E-10	1.26E-08	2.83E-10	1.62E-09	1.94E-10	2.10E-09	2.58E-10	8.49E-10	5.85E-11	1.17E-09
9506	471475.4	3819611.45	3.02E-09	1.27E-08	1.14E-09	1.68E-08	2.51E-09	9.31E-09	8.19E-10	1.26E-08	2.85E-10	1.63E-09	1.95E-10	2.11E-09	2.59E-10	8.54E-10	5.89E-11	1.17E-09
9507	471471.65	3819620.27	3.03E-09	1.27E-08	1.15E-09	1.69E-08	2.53E-09	9.36E-09	8.23E-10	1.27E-08	2.86E-10	1.64E-09	1.96E-10	2.12E-09	2.60E-10	8.59E-10	5.92E-11	1.18E-09
9508	471467.89	3819629.08	3.05E-09	1.28E-08	1.15E-09	1.70E-08	2.54E-09	9.41E-09	8.28E-10	1.28E-08	2.88E-10	1.65E-09	1.97E-10	2.13E-09	2.62E-10	8.63E-10	5.95E-11	1.18E-09
9509	471464.14	3819637.89	3.07E-09	1.29E-08	1.16E-09	1.71E-08	2.55E-09	9.46E-09	8.32E-10	1.28E-08	2.90E-10	1.66E-09	1.98E-10	2.14E-09	2.63E-10	8.68E-10	5.98E-11	1.19E-09
9510	471460.39	3819646.71	3.08E-09	1.29E-08	1.17E-09	1.72E-08	2.57E-09	9.51E-09	8.37E-10	1.29E-08	2.91E-10	1.67E-09	1.99E-10	2.16E-09	2.65E-10	8.72E-10	6.01E-11	1.20E-09
9511	471456.63	3819655.52	3.10E-09	1.30E-08	1.17E-09	1.73E-08	2.58E-09	9.56E-09	8.41E-10	1.30E-08	2.93E-10	1.67E-09	2.00E-10	2.17E-09	2.66E-10	8.77E-10	6.04E-11	1.20E-09
9512	471441.62	3819690.77	3.16E-09	1.33E-08	1.19E-09	1.76E-08	2.63E-09	9.74E-09	8.57E-10	1.32E-08	2.98E-10	1.71E-09	2.04E-10	2.21E-09	2.71E-10	8.94E-10	6.16E-11	1.23E-09
9513	471437.87	3819699.59	3.17E-09	1.33E-08	1.20E-09	1.77E-08	2.64E-09	9.79E-09	8.61E-10	1.33E-08	2.99E-10	1.71E-09	2.05E-10	2.22E-09	2.72E-10	8.98E-10	6.19E-11	1.23E-09
9514	471434.11	3819708.4	3.19E-09	1.34E-08	1.20E-09	1.78E-08	2.65E-09	9.83E-09	8.65E-10	1.33E-08	3.01E-10	1.72E-09	2.05E-10	2.23E-09	2.73E-10	9.02E-10	6.22E-11	1.24E-09
9515	471430.36	3819717.21	3.20E-09	1.34E-08	1.21E-09	1.78E-08	2.66E-09	9.87E-09	8.68E-10	1.34E-08	3.02E-10	1.73E-09	2.06E-10	2.24E-09	2.75E-10	9.05E-10	6.24E-11	1.24E-09
9516	471426.61	3819726.02	3.21E-09	1.35E-08	1.21E-09	1.79E-08	2.68E-09	9.91E-09	8.72E-10	1.35E-08	3.03E-10	1.74E-09	2.07E-10	2.25E-09	2.76E-10	9.09E-10	6.27E-11	1.25E-09
9517	471422.85	3819734.84	3.22E-09	1.35E-08	1.22E-09	1.80E-08	2.69E-09	9.95E-09	8.75E-10	1.35E-08	3.04E-10	1.74E-09	2.08E-10	2.26E-09	2.77E-10	9.13E-10	6.29E-11	1.25E-09
9518	471419.1	3819743.65	3.24E-09	1.36E-08	1.22E-09	1.81E-08	2.70E-09	9.99E-09	8.79E-10	1.36E-08	3.06E-10	1.75E-09	2.09E-10	2.26E-09	2.78E-10	9.16E-10	6.31E-11	1.26E-09
9519	471415.35	3819752.46	3.25E-09	1.36E-08	1.23E-09	1.81E-08	2.70E-09	1.00E-08	8.82E-10	1.36E-08	3.07E-10	1.76E-09	2.09E-10	2.27E-09	2.79E-10	9.19E-10	6.34E-11	1.26E-09
9520	471411.59	3819761.28	3.26E-09	1.37E-08	1.23E-09	1.82E-08	2.71E-09	1.01E-08	8.85E-10	1.37E-08	3.08E-10	1.76E-09	2.10E-10	2.28E-09	2.80E-10	9.22E-10	6.36E-11	1.27E-09
9521	471407.84	3819770.09	3.27E-09	1.37E-08	1.24E-09	1.82E-08	2.72E-09	1.01E-08	8.87E-10	1.37E-08	3.09E-10	1.77E-09	2.11E-10	2.29E-09	2.81E-10	9.25E-10	6.38E-11	1.27E-09
9522	471404.09	3819778.9	3.28E-09	1.38E-08	1.24E-09	1.83E-08	2.73E-09	1.01E-08	8.90E-10	1.37E-08	3.10E-10	1.77E-09	2.11E-10	2.29E-09	2.81E-10	9.28E-10	6.40E-11	1.27E-09
9523	471400.33	3819787.72	3.29E-09	1.38E-08	1.24E-09	1.83E-08	2.74E-09	1.01E-08	8.92E-10	1.38E-08	3.10E-10	1.78E-09	2.12E-10	2.30E-09	2.82E-10	9.30E-10	6.41E-11	1.28E-09
9524	471396.58	3819796.53	3.30E-09	1.38E-08	1.25E-09	1.84E-08	2.74E-09	1.02E-08	8.95E-10	1.38E-08	3.11E-10	1.78E-09	2.13E-10	2.31E-09	2.83E-10	9.33E-10	6.43E-11	1.28E-09
9525	471392.83	3819805.34	3.30E-09	1.39E-08	1.25E-09	1.84E-08	2.75E-09	1.02E-08	8.97E-10	1.38E-08	3.12E-10	1.79E-09	2.13E-10	2.31E-09	2.84E-10	9.35E-10	6.44E-11	1.28E-09
9526	471389.07	3819814.15	3.31E-09	1.39E-08	1.25E-09	1.85E-08	2.76E-09	1.02E-08	8.98E-10	1.39E-08	3.13E-10	1.79E-09	2.13E-10	2.32E-09	2.84E-10	9.37E-10	6.46E-11	1.29E-09
9527	471385.32	3819822.97	3.32E-09	1.39E-08	1.25E-09	1.85E-08	2.76E-09	1.02E-08	9.00E-10	1.39E-08	3.13E-10	1.79E-09	2.14E-10	2.32E-09	2.85E-10	9.39E-10	6.47E-11	1.29E-09
9528	471381.57	3819831.78	3.32E-09	1.39E-08	1.26E-09	1.85E-08	2.77E-09	1.02E-08	9.02E-10	1.39E-08	3.14E-10	1.80E-09	2.14E-10	2.32E-09	2.85E-10	9.40E-10	6.48E-11	1.29E-09
9529	471377.81	3819840.59	3.33E-09	1.40E-08	1.26E-09	1.85E-08	2.77E-09	1.03E-08	9.03E-10	1.39E-08	3.14E-10	1.80E-09	2.15E-10	2.33E-09	2.85E-10	9.41E-10	6.49E-11	1.29E-09
9530	471374.06	3819849.41	3.33E-09	1.40E-08	1.26E-09	1.86E-08	2.77E-09	1.03E-08	9.04E-10	1.39E-08	3.14E-10	1.80E-09	2.15E-10	2.33E-09	2.86E-10	9.42E-10	6.50E-11	1.29E-09
9531	471370.31	3819858.22	3.33E-09	1.40E-08	1.26E-09	1.86E-08	2.78E-09	1.03E-08	9.05E-10	1.40E-08	3.15E-10	1.80E-09	2.15E-10	2.33E-09	2.86E-10	9.43E-10	6.50E-11	1.29E-09
9532	471366.56	3819867.03	3.33E-09	1.40E-08	1.26E-09	1.86E-08	2.78E-09	1.03E-08	9.05E-10	1.40E-08	3.15E-10	1.80E-09	2.15E-10	2.33E-09	2.86E-10	9.44E-10	6.51E-11	1.30E-09
9533	471362.8	3819875.85	3.34E-09	1.40E-08	1.26E-09	1.86E-08	2.78E-09	1.03E-08	9.06E-10	1.40E-08	3.15E-10	1.80E-09	2.15E-10	2.33E-09	2.86E-10	9.44E-10	6.51E-11	1.30E-09

9534	471359.05	3819884.66	3.34E-09	1.40E-08	1.26E-09	1.86E-08	2.78E-09	1.03E-08	9.06E-10	1.40E-08	3.15E-10	1.80E-09	2.15E-10	2.33E-09	2.86E-10	9.45E-10	6.51E-11	1.30E-09
9535	471355.3	3819893.47	3.34E-09	1.40E-08	1.26E-09	1.86E-08	2.78E-09	1.03E-08	9.06E-10	1.40E-08	3.15E-10	1.80E-09	2.15E-10	2.33E-09	2.86E-10	9.45E-10	6.51E-11	1.30E-09
9536	471351.54	3819902.28	3.34E-09	1.40E-08	1.26E-09	1.86E-08	2.78E-09	1.03E-08	9.06E-10	1.40E-08	3.15E-10	1.80E-09	2.15E-10	2.33E-09	2.86E-10	9.44E-10	6.51E-11	1.30E-09
9537	471347.79	3819911.1	3.34E-09	1.40E-08	1.26E-09	1.86E-08	2.78E-09	1.03E-08	9.05E-10	1.40E-08	3.15E-10	1.80E-09	2.15E-10	2.33E-09	2.86E-10	9.44E-10	6.51E-11	1.30E-09
9538	471344.04	3819919.91	3.33E-09	1.40E-08	1.26E-09	1.86E-08	2.78E-09	1.03E-08	9.05E-10	1.40E-08	3.15E-10	1.80E-09	2.15E-10	2.33E-09	2.86E-10	9.44E-10	6.51E-11	1.29E-09
9539	471340.28	3819928.72	3.33E-09	1.40E-08	1.26E-09	1.86E-08	2.77E-09	1.03E-08	9.04E-10	1.40E-08	3.15E-10	1.80E-09	2.15E-10	2.33E-09	2.86E-10	9.43E-10	6.50E-11	1.29E-09
9540	471336.53	3819937.54	3.33E-09	1.40E-08	1.26E-09	1.86E-08	2.77E-09	1.03E-08	9.03E-10	1.39E-08	3.14E-10	1.80E-09	2.15E-10	2.33E-09	2.86E-10	9.42E-10	6.49E-11	1.29E-09
9541	471332.78	3819946.35	3.32E-09	1.40E-08	1.26E-09	1.85E-08	2.77E-09	1.03E-08	9.03E-10	1.39E-08	3.14E-10	1.80E-09	2.14E-10	2.33E-09	2.85E-10	9.41E-10	6.49E-11	1.29E-09
9542	471329.02	3819955.16	3.32E-09	1.39E-08	1.26E-09	1.85E-08	2.77E-09	1.02E-08	9.02E-10	1.39E-08	3.14E-10	1.80E-09	2.14E-10	2.32E-09	2.85E-10	9.40E-10	6.48E-11	1.29E-09
9543	471325.27	3819963.98	3.32E-09	1.39E-08	1.25E-09	1.85E-08	2.76E-09	1.02E-08	9.00E-10	1.39E-08	3.13E-10	1.79E-09	2.14E-10	2.32E-09	2.85E-10	9.39E-10	6.47E-11	1.29E-09
9544	471321.52	3819972.79	3.31E-09	1.39E-08	1.25E-09	1.85E-08	2.76E-09	1.02E-08	8.99E-10	1.39E-08	3.13E-10	1.79E-09	2.14E-10	2.32E-09	2.84E-10	9.38E-10	6.46E-11	1.29E-09
9545	471317.76	3819981.6	3.31E-09	1.39E-08	1.25E-09	1.84E-08	2.76E-09	1.02E-08	8.98E-10	1.39E-08	3.12E-10	1.79E-09	2.13E-10	2.31E-09	2.84E-10	9.36E-10	6.45E-11	1.28E-09
9546	471314.01	3819990.41	3.30E-09	1.39E-08	1.25E-09	1.84E-08	2.75E-09	1.02E-08	8.96E-10	1.38E-08	3.12E-10	1.79E-09	2.13E-10	2.31E-09	2.83E-10	9.35E-10	6.44E-11	1.28E-09
9547	471310.26	3819999.23	3.30E-09	1.38E-08	1.25E-09	1.84E-08	2.75E-09	1.02E-08	8.95E-10	1.38E-08	3.11E-10	1.78E-09	2.13E-10	2.31E-09	2.83E-10	9.33E-10	6.43E-11	1.28E-09
9548	471306.5	3820008.04	3.29E-09	1.38E-08	1.24E-09	1.84E-08	2.74E-09	1.02E-08	8.93E-10	1.38E-08	3.11E-10	1.78E-09	2.12E-10	2.30E-09	2.83E-10	9.32E-10	6.42E-11	1.28E-09
9549	471302.75	3820016.85	3.29E-09	1.38E-08	1.24E-09	1.83E-08	2.74E-09	1.01E-08	8.92E-10	1.38E-08	3.10E-10	1.78E-09	2.12E-10	2.30E-09	2.82E-10	9.30E-10	6.41E-11	1.28E-09
9550	471299	3820025.67	3.28E-09	1.38E-08	1.24E-09	1.83E-08	2.73E-09	1.01E-08	8.90E-10	1.37E-08	3.10E-10	1.77E-09	2.12E-10	2.29E-09	2.82E-10	9.28E-10	6.40E-11	1.27E-09
9551	471295.24	3820034.48	3.27E-09	1.37E-08	1.24E-09	1.83E-08	2.73E-09	1.01E-08	8.89E-10	1.37E-08	3.09E-10	1.77E-09	2.11E-10	2.29E-09	2.81E-10	9.27E-10	6.39E-11	1.27E-09
9552	471291.49	3820043.29	3.27E-09	1.37E-08	1.24E-09	1.82E-08	2.72E-09	1.01E-08	8.87E-10	1.37E-08	3.09E-10	1.77E-09	2.11E-10	2.29E-09	2.80E-10	9.25E-10	6.38E-11	1.27E-09
9553	471287.74	3820052.11	3.26E-09	1.37E-08	1.23E-09	1.82E-08	2.72E-09	1.01E-08	8.85E-10	1.37E-08	3.08E-10	1.76E-09	2.10E-10	2.28E-09	2.80E-10	9.23E-10	6.36E-11	1.27E-09
9554	471283.98	3820060.92	3.25E-09	1.37E-08	1.23E-09	1.82E-08	2.71E-09	1.00E-08	8.83E-10	1.36E-08	3.07E-10	1.76E-09	2.10E-10	2.28E-09	2.79E-10	9.21E-10	6.35E-11	1.26E-09
9555	471280.23	3820069.73	3.25E-09	1.36E-08	1.23E-09	1.81E-08	2.70E-09	1.00E-08	8.82E-10	1.36E-08	3.07E-10	1.76E-09	2.09E-10	2.27E-09	2.79E-10	9.19E-10	6.34E-11	1.26E-09
9556	471276.48	3820078.55	3.24E-09	1.36E-08	1.23E-09	1.81E-08	2.70E-09	1.00E-08	8.80E-10	1.36E-08	3.06E-10	1.75E-09	2.09E-10	2.27E-09	2.78E-10	9.17E-10	6.32E-11	1.26E-09
9557	471272.72	3820087.36	3.24E-09	1.36E-08	1.22E-09	1.80E-08	2.69E-09	9.98E-09	8.78E-10	1.36E-08	3.05E-10	1.75E-09	2.09E-10	2.26E-09	2.78E-10	9.16E-10	6.31E-11	1.26E-09
9558	471268.97	3820096.17	3.23E-09	1.36E-08	1.22E-09	1.80E-08	2.69E-09	9.96E-09	8.76E-10	1.35E-08	3.05E-10	1.75E-09	2.08E-10	2.26E-09	2.77E-10	9.14E-10	6.30E-11	1.25E-09
9559	471265.22	3820104.98	3.22E-09	1.35E-08	1.22E-09	1.80E-08	2.68E-09	9.94E-09	8.75E-10	1.35E-08	3.04E-10	1.74E-09	2.08E-10	2.25E-09	2.77E-10	9.12E-10	6.29E-11	1.25E-09
9560	471261.46	3820113.8	3.22E-09	1.35E-08	1.22E-09	1.79E-08	2.68E-09	9.93E-09	8.73E-10	1.35E-08	3.04E-10	1.74E-09	2.07E-10	2.25E-09	2.76E-10	9.10E-10	6.28E-11	1.25E-09
9561	471257.71	3820122.61	3.21E-09	1.35E-08	1.21E-09	1.79E-08	2.67E-09	9.91E-09	8.71E-10	1.35E-08	3.03E-10	1.74E-09	2.07E-10	2.25E-09	2.76E-10	9.09E-10	6.26E-11	1.25E-09
9562	471253.96	3820131.42	3.20E-09	1.35E-08	1.21E-09	1.79E-08	2.67E-09	9.89E-09	8.70E-10	1.34E-08	3.03E-10	1.73E-09	2.07E-10	2.24E-09	2.75E-10	9.07E-10	6.25E-11	1.24E-09
9563	471250.2	3820140.24	3.20E-09	1.34E-08	1.21E-09	1.78E-08	2.66E-09	9.87E-09	8.68E-10	1.34E-08	3.02E-10	1.73E-09	2.06E-10	2.24E-09	2.75E-10	9.05E-10	6.24E-11	1.24E-09
9564	471246.45	3820149.05	3.19E-09	1.34E-08	1.21E-09	1.78E-08	2.66E-09	9.85E-09	8.66E-10	1.34E-08	3.01E-10	1.73E-09	2.06E-10	2.23E-09	2.74E-10	9.03E-10	6.23E-11	1.24E-09
9565	471242.7	3820157.86	3.18E-09	1.34E-08	1.20E-09	1.78E-08	2.65E-09	9.83E-09	8.65E-10	1.33E-08	3.01E-10	1.72E-09	2.05E-10	2.23E-09	2.73E-10	9.02E-10	6.21E-11	1.24E-09
9566	471238.95	3820166.68	3.18E-09	1.33E-08	1.20E-09	1.77E-08	2.65E-09	9.81E-09	8.63E-10	1.33E-08	3.00E-10	1.72E-09	2.05E-10	2.22E-09	2.73E-10	9.00E-10	6.20E-11	1.23E-09
9567	471235.19	3820175.49	3.17E-09	1.33E-08	1.20E-09	1.77E-08	2.64E-09	9.78E-09	8.61E-10	1.33E-08	2.99E-10	1.71E-09	2.04E-10	2.22E-09	2.72E-10	8.97E-10	6.19E-11	1.23E-09
9568	471231.44	3820184.3	3.16E-09	1.33E-08	1.20E-09	1.76E-08	2.64E-09	9.76E-09	8.59E-10	1.33E-08	2.99E-10	1.71E-09	2.04E-10	2.21E-09	2.72E-10	8.96E-10	6.17E-11	1.23E-09
9569	471227.69	3820193.11	3.16E-09	1.33E-08	1.19E-09	1.76E-08	2.63E-09	9.74E-09	8.57E-10	1.32E-08	2.98E-10	1.71E-09	2.04E-10	2.21E-09	2.71E-10	8.94E-10	6.16E-11	1.23E-09
9570	471223.93	3820201.93	3.15E-09	1.32E-08	1.19E-09	1.76E-08	2.62E-09	9.72E-09	8.55E-10	1.32E-08	2.97E-10	1.70E-09	2.03E-10	2.20E-09	2.70E-10	8.91E-10	6.14E-11	1.22E-09
9571	471220.18	3820210.74	3.14E-09	1.32E-08	1.19E-09	1.75E-08	2.62E-09	9.70E-09	8.53E-10	1.32E-08	2.97E-10	1.70E-09	2.03E-10	2.20E-09	2.70E-10	8.89E-10	6.13E-11	1.22E-09
9572	471216.43	3820219.55	3.13E-09	1.32E-08	1.19E-09	1.75E-08	2.61E-09	9.67E-09	8.51E-10	1.31E-08	2.96E-10	1.69E-09	2.02E-10	2.19E-09	2.69E-10	8.87E-10	6.12E-11	1.22E-09
9573	471212.67	3820228.37	3.13E-09	1.31E-08	1.18E-09	1.74E-08	2.60E-09	9.65E-09	8.49E-10	1.31E-08	2.95E-10	1.69E-09	2.02E-10	2.19E-09	2.68E-10	8.85E-10	6.10E-11	1.21E-09
9574	471208.92	3820237.18	3.12E-09	1.31E-08	1.18E-09	1.74E-08	2.60E-09	9.62E-09	8.47E-10	1.31E-08	2.95E-10	1.69E-09	2.01E-10	2.18E-09	2.68E-10	8.83E-10	6.09E-11	1.21E-09
9575	471205.17	3820245.99	3.11E-09	1.31E-08	1.18E-09	1.74E-08	2.59E-09	9.60E-09	8.45E-10	1.30E-08	2.94E-10	1.68E-09	2.01E-10	2.18E-09	2.67E-10	8.81E-10	6.07E-11	1.21E-09
9576	471201.41	3820254.81	3.10E-09	1.30E-08	1.17E-09	1.73E-08	2.58E-09	9.57E-09	8.42E-10	1.30E-08	2.93E-10	1.68E-09	2.00E-10	2.17E-09	2.66E-10	8.78E-10	6.05E-11	1.21E-09
9577	471197.66	3820263.62	3.09E-09	1.30E-08	1.17E-09	1.73E-08	2.58E-09	9.55E-09	8.40E-10	1.30E-08	2.92E-10	1.67E-09	2.00E-10	2.16E-09	2.66E-10	8.76E-10	6.04E-11	1.20E-09
9578	471193.91	3820272.43	3.08E-09	1.30E-08	1.17E-09	1.72E-08	2.57E-09	9.52E-09	8.37E-10	1.29E-08	2.91E-10	1.67E-09	1.99E-10	2.16E-09	2.65E-10	8.73E-10	6.02E-11	1.20E-09
9579	471190.15	3820281.24	3.08E-09	1.29E-08	1.16E-09	1.72E-08	2.56E-09	9.49E-09	8.35E-10	1.29E-08	2.90E-10	1.66E-09	1.98E-10	2.15E-09	2.64E-10	8.70E-10	6.00E-11	1.19E-09
9580	471186.4	3820290.06	3.07E-09	1.29E-08	1.16E-09	1.71E-08	2.55E-09	9.46E-09	8.32E-10	1.28E-08	2.89E-10	1.66E-09	1.98E-10	2.14E-09	2.63E-10	8.68E-10	5.98E-11	1.19E-09
9581	471182.65	3820298.87	3.06E-09	1.28E-08	1.16E-09	1.70E-08	2.55E-09	9.43E-09	8.30E-10	1.28E-08	2.89E-10	1.65E-09	1.97E-10	2.14E-09	2.62E-10	8.65E-10	5.96E-11	1.19E-09
9582	471178.89	3820307.68	3.04E-09	1.28E-08	1.15E-09	1.70E-08	2.54E-09	9.40E-09	8.27E-10	1.28E-08	2.88E-10	1.65E-09	1.96E-10	2.13E-09	2.61E-10	8.62E-10	5.94E-11	1.18E-09
9583	471175.14	3820316.5	3.03E-09	1.27E-08	1.15E-09	1.69E-08	2.53E-09	9.36E-09	8.23E-10	1.27E-08	2.86E-10	1.64E-09	1.96E-10	2.12E-09	2.60E-10	8.59E-10	5.92E-11	1.18E-09
9584	471171.39	3820325.31	3.02E-09	1.27E-08	1.14E-09	1.69E-08	2.52E-09	9.32E-09	8.20E-10	1.27E-08	2.85E-10	1.63E-09	1.95E-10	2.11E-09	2.59E-10	8.55E-10	5.90E-11	1.17E-09

9585	471167.63	3820334.12	3.01E-09	1.26E-08	1.14E-09	1.68E-08	2.51E-09	9.29E-09	8.17E-10	1.26E-08	2.84E-10	1.63E-09	1.94E-10	2.11E-09	2.58E-10	8.52E-10	5.87E-11	1.17E-09
9586	471163.88	3820342.94	3.00E-09	1.26E-08	1.13E-09	1.67E-08	2.50E-09	9.25E-09	8.14E-10	1.26E-08	2.83E-10	1.62E-09	1.93E-10	2.10E-09	2.57E-10	8.48E-10	5.85E-11	1.16E-09
9587	471151.23	3820355.3	3.00E-09	1.26E-08	1.14E-09	1.67E-08	2.50E-09	9.26E-09	8.15E-10	1.26E-08	2.83E-10	1.62E-09	1.94E-10	2.10E-09	2.58E-10	8.50E-10	5.86E-11	1.17E-09
9588	471142.34	3820358.86	3.02E-09	1.27E-08	1.14E-09	1.68E-08	2.51E-09	9.32E-09	8.20E-10	1.26E-08	2.85E-10	1.63E-09	1.95E-10	2.11E-09	2.59E-10	8.55E-10	5.89E-11	1.17E-09
9589	471133.44	3820362.41	3.03E-09	1.27E-08	1.15E-09	1.69E-08	2.53E-09	9.36E-09	8.24E-10	1.27E-08	2.87E-10	1.64E-09	1.96E-10	2.12E-09	2.61E-10	8.59E-10	5.92E-11	1.18E-09
9590	471124.55	3820365.97	3.05E-09	1.28E-08	1.15E-09	1.70E-08	2.54E-09	9.42E-09	8.28E-10	1.28E-08	2.88E-10	1.65E-09	1.97E-10	2.13E-09	2.62E-10	8.64E-10	5.95E-11	1.19E-09
9591	471115.65	3820369.52	3.07E-09	1.29E-08	1.16E-09	1.71E-08	2.55E-09	9.46E-09	8.33E-10	1.29E-08	2.90E-10	1.66E-09	1.98E-10	2.15E-09	2.63E-10	8.68E-10	5.98E-11	1.19E-09
9592	471106.76	3820373.07	3.08E-09	1.29E-08	1.17E-09	1.72E-08	2.57E-09	9.51E-09	8.37E-10	1.29E-08	2.91E-10	1.67E-09	1.99E-10	2.16E-09	2.65E-10	8.72E-10	6.01E-11	1.20E-09
9593	471097.86	3820376.63	3.10E-09	1.30E-08	1.17E-09	1.73E-08	2.58E-09	9.56E-09	8.41E-10	1.30E-08	2.92E-10	1.67E-09	2.00E-10	2.17E-09	2.66E-10	8.77E-10	6.04E-11	1.20E-09
9594	471088.97	3820380.18	3.11E-09	1.31E-08	1.18E-09	1.74E-08	2.59E-09	9.60E-09	8.45E-10	1.30E-08	2.94E-10	1.68E-09	2.01E-10	2.18E-09	2.67E-10	8.81E-10	6.07E-11	1.21E-09
9595	471080.07	3820383.74	3.13E-09	1.31E-08	1.18E-09	1.74E-08	2.60E-09	9.65E-09	8.49E-10	1.31E-08	2.95E-10	1.69E-09	2.02E-10	2.19E-09	2.68E-10	8.85E-10	6.10E-11	1.21E-09
9596	471071.18	3820387.29	3.14E-09	1.32E-08	1.19E-09	1.75E-08	2.62E-09	9.69E-09	8.53E-10	1.32E-08	2.97E-10	1.70E-09	2.03E-10	2.20E-09	2.70E-10	8.89E-10	6.13E-11	1.22E-09
9597	471062.28	3820390.84	3.16E-09	1.33E-08	1.19E-09	1.76E-08	2.63E-09	9.74E-09	8.57E-10	1.32E-08	2.98E-10	1.71E-09	2.04E-10	2.21E-09	2.71E-10	8.93E-10	6.16E-11	1.23E-09
9598	471053.38	3820394.4	3.17E-09	1.33E-08	1.20E-09	1.77E-08	2.64E-09	9.78E-09	8.60E-10	1.33E-08	2.99E-10	1.71E-09	2.04E-10	2.22E-09	2.72E-10	8.97E-10	6.19E-11	1.23E-09
9599	471044.49	3820397.95	3.18E-09	1.34E-08	1.20E-09	1.78E-08	2.65E-09	9.83E-09	8.64E-10	1.33E-08	3.01E-10	1.72E-09	2.05E-10	2.23E-09	2.73E-10	9.01E-10	6.21E-11	1.24E-09
9600	471035.59	3820401.51	3.20E-09	1.34E-08	1.21E-09	1.78E-08	2.66E-09	9.87E-09	8.68E-10	1.34E-08	3.02E-10	1.73E-09	2.06E-10	2.24E-09	2.75E-10	9.05E-10	6.24E-11	1.24E-09
9601	471026.7	3820405.06	3.21E-09	1.35E-08	1.21E-09	1.79E-08	2.68E-09	9.91E-09	8.72E-10	1.35E-08	3.03E-10	1.74E-09	2.07E-10	2.25E-09	2.76E-10	9.09E-10	6.27E-11	1.25E-09
9602	471017.8	3820408.61	3.23E-09	1.36E-08	1.22E-09	1.80E-08	2.69E-09	9.96E-09	8.76E-10	1.35E-08	3.05E-10	1.74E-09	2.08E-10	2.26E-09	2.77E-10	9.13E-10	6.30E-11	1.25E-09
9603	471008.91	3820412.17	3.24E-09	1.36E-08	1.23E-09	1.81E-08	2.70E-09	1.00E-08	8.80E-10	1.36E-08	3.06E-10	1.75E-09	2.09E-10	2.27E-09	2.78E-10	9.17E-10	6.32E-11	1.26E-09
9604	471000.01	3820415.72	3.26E-09	1.37E-08	1.23E-09	1.82E-08	2.71E-09	1.00E-08	8.84E-10	1.36E-08	3.07E-10	1.76E-09	2.10E-10	2.28E-09	2.79E-10	9.22E-10	6.35E-11	1.26E-09
9605	470991.12	3820419.28	3.27E-09	1.37E-08	1.24E-09	1.82E-08	2.72E-09	1.01E-08	8.88E-10	1.37E-08	3.09E-10	1.77E-09	2.11E-10	2.29E-09	2.81E-10	9.26E-10	6.38E-11	1.27E-09
9606	470964.43	3820429.94	3.32E-09	1.39E-08	1.25E-09	1.85E-08	2.76E-09	1.02E-08	9.01E-10	1.39E-08	3.13E-10	1.79E-09	2.14E-10	2.32E-09	2.85E-10	9.39E-10	6.47E-11	1.29E-09
9607	470955.54	3820433.49	3.33E-09	1.40E-08	1.26E-09	1.86E-08	2.78E-09	1.03E-08	9.05E-10	1.40E-08	3.15E-10	1.80E-09	2.15E-10	2.33E-09	2.86E-10	9.44E-10	6.51E-11	1.30E-09
9608	470946.64	3820437.05	3.35E-09	1.41E-08	1.27E-09	1.87E-08	2.79E-09	1.03E-08	9.10E-10	1.40E-08	3.16E-10	1.81E-09	2.16E-10	2.34E-09	2.88E-10	9.48E-10	6.54E-11	1.30E-09
9609	470937.75	3820440.6	3.37E-09	1.41E-08	1.27E-09	1.88E-08	2.81E-09	1.04E-08	9.14E-10	1.41E-08	3.18E-10	1.82E-09	2.17E-10	2.36E-09	2.89E-10	9.53E-10	6.57E-11	1.31E-09
9610	470928.85	3820444.15	3.39E-09	1.42E-08	1.28E-09	1.89E-08	2.82E-09	1.04E-08	9.19E-10	1.42E-08	3.20E-10	1.83E-09	2.18E-10	2.37E-09	2.91E-10	9.58E-10	6.61E-11	1.32E-09
9611	470919.96	3820447.71	3.40E-09	1.43E-08	1.29E-09	1.90E-08	2.84E-09	1.05E-08	9.24E-10	1.43E-08	3.21E-10	1.84E-09	2.20E-10	2.38E-09	2.92E-10	9.64E-10	6.64E-11	1.32E-09
9612	470911.06	3820451.26	3.42E-09	1.44E-08	1.29E-09	1.91E-08	2.85E-09	1.06E-08	9.29E-10	1.43E-08	3.23E-10	1.85E-09	2.21E-10	2.39E-09	2.94E-10	9.69E-10	6.68E-11	1.33E-09
9613	470902.17	3820454.82	3.44E-09	1.45E-08	1.30E-09	1.92E-08	2.87E-09	1.06E-08	9.35E-10	1.44E-08	3.25E-10	1.86E-09	2.22E-10	2.41E-09	2.96E-10	9.75E-10	6.72E-11	1.34E-09
9614	470893.27	3820458.37	3.47E-09	1.46E-08	1.31E-09	1.93E-08	2.89E-09	1.07E-08	9.41E-10	1.45E-08	3.27E-10	1.87E-09	2.24E-10	2.42E-09	2.98E-10	9.81E-10	6.76E-11	1.35E-09
9615	470822.11	3820486.8	3.68E-09	1.55E-08	1.39E-09	2.05E-08	3.07E-09	1.14E-08	9.99E-10	1.54E-08	3.48E-10	1.99E-09	2.37E-10	2.57E-09	3.16E-10	1.04E-09	7.18E-11	1.43E-09
9616	470813.21	3820490.36	3.71E-09	1.56E-08	1.40E-09	2.07E-08	3.09E-09	1.15E-08	1.01E-09	1.56E-08	3.51E-10	2.01E-09	2.39E-10	2.60E-09	3.19E-10	1.05E-09	7.24E-11	1.44E-09
9617	470804.32	3820493.91	3.75E-09	1.57E-08	1.42E-09	2.09E-08	3.12E-09	1.16E-08	1.02E-09	1.57E-08	3.54E-10	2.03E-09	2.42E-10	2.62E-09	3.22E-10	1.06E-09	7.31E-11	1.46E-09
9618	470795.42	3820497.46	3.78E-09	1.59E-08	1.43E-09	2.11E-08	3.15E-09	1.17E-08	1.03E-09	1.58E-08	3.57E-10	2.04E-09	2.44E-10	2.65E-09	3.25E-10	1.07E-09	7.38E-11	1.47E-09
9619	470786.53	3820501.02	3.82E-09	1.60E-08	1.44E-09	2.13E-08	3.18E-09	1.18E-08	1.04E-09	1.60E-08	3.60E-10	2.06E-09	2.46E-10	2.67E-09	3.28E-10	1.08E-09	7.44E-11	1.48E-09
9620	470777.63	3820504.57	3.85E-09	1.62E-08	1.46E-09	2.15E-08	3.21E-09	1.19E-08	1.05E-09	1.61E-08	3.64E-10	2.08E-09	2.48E-10	2.69E-09	3.31E-10	1.09E-09	7.51E-11	1.50E-09
9621	470768.74	3820508.13	3.89E-09	1.63E-08	1.47E-09	2.17E-08	3.24E-09	1.20E-08	1.06E-09	1.63E-08	3.67E-10	2.10E-09	2.51E-10	2.72E-09	3.34E-10	1.10E-09	7.59E-11	1.51E-09
9622	470759.84	3820511.68	3.92E-09	1.65E-08	1.48E-09	2.19E-08	3.27E-09	1.21E-08	1.07E-09	1.64E-08	3.71E-10	2.12E-09	2.53E-10	2.75E-09	3.37E-10	1.11E-09	7.66E-11	1.52E-09
9623	470750.95	3820515.24	3.96E-09	1.66E-08	1.50E-09	2.21E-08	3.30E-09	1.22E-08	1.08E-09	1.66E-08	3.74E-10	2.14E-09	2.56E-10	2.77E-09	3.40E-10	1.12E-09	7.73E-11	1.54E-09
9624	470742.05	3820518.79	4.00E-09	1.68E-08	1.51E-09	2.23E-08	3.33E-09	1.23E-08	1.09E-09	1.68E-08	3.78E-10	2.16E-09	2.58E-10	2.80E-09	3.43E-10	1.13E-09	7.81E-11	1.55E-09
9625	470733.16	3820522.34	4.04E-09	1.70E-08	1.53E-09	2.25E-08	3.37E-09	1.25E-08	1.10E-09	1.69E-08	3.82E-10	2.18E-09	2.61E-10	2.83E-09	3.47E-10	1.14E-09	7.89E-11	1.57E-09
9626	470724.26	3820525.9	4.08E-09	1.71E-08	1.54E-09	2.28E-08	3.40E-09	1.26E-08	1.11E-09	1.71E-08	3.86E-10	2.21E-09	2.63E-10	2.86E-09	3.51E-10	1.16E-09	7.97E-11	1.59E-09
9627	470715.37	3820529.45	4.12E-09	1.73E-08	1.56E-09	2.30E-08	3.44E-09	1.27E-08	1.12E-09	1.73E-08	3.90E-10	2.23E-09	2.66E-10	2.89E-09	3.54E-10	1.17E-09	8.05E-11	1.60E-09
9628	470706.47	3820533.01	4.17E-09	1.75E-08	1.58E-09	2.32E-08	3.47E-09	1.29E-08	1.13E-09	1.75E-08	3.94E-10	2.25E-09	2.69E-10	2.92E-09	3.58E-10	1.18E-09	8.13E-11	1.62E-09
9629	470697.58	3820536.56	4.21E-09	1.77E-08	1.59E-09	2.35E-08	3.51E-09	1.30E-08	1.14E-09	1.76E-08	3.98E-10	2.28E-09	2.72E-10	2.95E-09	3.62E-10	1.19E-09	8.22E-11	1.64E-09
9630	470688.68	3820540.11	4.26E-09	1.79E-08	1.61E-09	2.37E-08	3.55E-09	1.31E-08	1.16E-09	1.78E-08	4.02E-10	2.30E-09	2.75E-10	2.98E-09	3.65E-10	1.20E-09	8.31E-11	1.65E-09
9631	470679.79	3820543.67	4.30E-09	1.81E-08	1.63E-09	2.40E-08	3.58E-09	1.33E-08	1.17E-09	1.80E-08	4.06E-10	2.32E-09	2.77E-10	3.01E-09	3.69E-10	1.22E-09	8.39E-11	1.67E-09
9632	470670.89	3820547.22	4.34E-09	1.82E-08	1.64E-09	2.42E-08	3.62E-09	1.34E-08	1.18E-09	1.82E-08	4.10E-10	2.35E-09	2.80E-10	3.04E-09	3.73E-10	1.23E-09	8.47E-11	1.69E-09
9633	470662	3820550.78	4.38E-09	1.84E-08	1.66E-09	2.44E-08	3.65E-09	1.35E-08	1.19E-09	1.84E-08	4.14E-10	2.37E-09	2.83E-10	3.06E-09	3.76E-10	1.24E-09	8.55E-11	1.70E-09
9634	470653.1	3820554.33	4.42E-09	1.86E-08	1.67E-09	2.47E-08	3.68E-09	1.36E-08	1.20E-09	1.85E-08	4.17E-10	2.39E-09	2.85E-10	3.09E-09	3.79E-10	1.25E-09	8.63E-11	1.72E-09
9635	470644.2	3820557.88	4.46E-09	1.87E-08	1.69E-09	2.49E-08	3.71E-09	1.38E-08	1.21E-09	1.87E-08	4.21E-10	2.41E-09	2.88E-10	3.12E-09	3.83E-10	1.26E-09	8.70E-11	1.73E-09

9636	470635.31	3820561.44	4.50E-09	1.89E-08	1.70E-09	2.51E-08	3.75E-09	1.39E-08	1.22E-09	1.88E-08	4.25E-10	2.43E-09	2.90E-10	3.15E-09	3.86E-10	1.27E-09	8.78E-11	1.75E-09
9637	470626.41	3820564.99	4.54E-09	1.91E-08	1.72E-09	2.53E-08	3.78E-09	1.40E-08	1.23E-09	1.90E-08	4.28E-10	2.45E-09	2.93E-10	3.17E-09	3.89E-10	1.28E-09	8.85E-11	1.76E-09
9638	470617.52	3820568.55	4.57E-09	1.92E-08	1.73E-09	2.55E-08	3.81E-09	1.41E-08	1.24E-09	1.92E-08	4.32E-10	2.47E-09	2.95E-10	3.20E-09	3.93E-10	1.29E-09	8.92E-11	1.78E-09
9639	470608.62	3820572.1	4.61E-09	1.94E-08	1.74E-09	2.57E-08	3.84E-09	1.42E-08	1.25E-09	1.93E-08	4.35E-10	2.49E-09	2.97E-10	3.22E-09	3.96E-10	1.30E-09	8.99E-11	1.79E-09
9640	470599.73	3820575.65	4.64E-09	1.95E-08	1.76E-09	2.59E-08	3.87E-09	1.43E-08	1.26E-09	1.94E-08	4.38E-10	2.51E-09	2.99E-10	3.25E-09	3.98E-10	1.31E-09	9.06E-11	1.80E-09
9641	470590.83	3820579.21	4.67E-09	1.96E-08	1.77E-09	2.61E-08	3.89E-09	1.44E-08	1.27E-09	1.96E-08	4.41E-10	2.53E-09	3.01E-10	3.27E-09	4.01E-10	1.32E-09	9.12E-11	1.81E-09
9642	470581.94	3820582.76	4.70E-09	1.97E-08	1.78E-09	2.62E-08	3.91E-09	1.45E-08	1.28E-09	1.97E-08	4.44E-10	2.54E-09	3.03E-10	3.29E-09	4.03E-10	1.33E-09	9.17E-11	1.83E-09
9643	470573.04	3820586.32	4.73E-09	1.98E-08	1.79E-09	2.64E-08	3.94E-09	1.46E-08	1.28E-09	1.98E-08	4.46E-10	2.55E-09	3.05E-10	3.31E-09	4.06E-10	1.34E-09	9.22E-11	1.84E-09
9644	470564.15	3820589.87	4.75E-09	2.00E-08	1.80E-09	2.65E-08	3.96E-09	1.47E-08	1.29E-09	1.99E-08	4.49E-10	2.57E-09	3.06E-10	3.32E-09	4.08E-10	1.34E-09	9.27E-11	1.85E-09
9645	470555.25	3820593.42	4.78E-09	2.01E-08	1.81E-09	2.66E-08	3.98E-09	1.47E-08	1.30E-09	2.00E-08	4.51E-10	2.58E-09	3.08E-10	3.34E-09	4.10E-10	1.35E-09	9.32E-11	1.85E-09
9646	470546.36	3820596.98	4.80E-09	2.02E-08	1.82E-09	2.68E-08	4.00E-09	1.48E-08	1.30E-09	2.01E-08	4.53E-10	2.59E-09	3.10E-10	3.36E-09	4.12E-10	1.36E-09	9.36E-11	1.86E-09
9647	470537.46	3820600.53	4.82E-09	2.02E-08	1.82E-09	2.69E-08	4.02E-09	1.49E-08	1.31E-09	2.02E-08	4.55E-10	2.61E-09	3.11E-10	3.37E-09	4.14E-10	1.36E-09	9.41E-11	1.87E-09
9648	470528.57	3820604.09	4.84E-09	2.03E-08	1.83E-09	2.70E-08	4.03E-09	1.49E-08	1.31E-09	2.03E-08	4.57E-10	2.62E-09	3.12E-10	3.39E-09	4.16E-10	1.37E-09	9.45E-11	1.88E-09
9649	470519.67	3820607.64	4.86E-09	2.04E-08	1.84E-09	2.71E-08	4.05E-09	1.50E-08	1.32E-09	2.04E-08	4.59E-10	2.63E-09	3.14E-10	3.40E-09	4.17E-10	1.38E-09	9.49E-11	1.89E-09
9650	470510.78	3820611.19	4.88E-09	2.05E-08	1.85E-09	2.72E-08	4.07E-09	1.51E-08	1.33E-09	2.05E-08	4.61E-10	2.64E-09	3.15E-10	3.41E-09	4.19E-10	1.38E-09	9.53E-11	1.90E-09
9651	470501.88	3820614.75	4.90E-09	2.06E-08	1.85E-09	2.73E-08	4.08E-09	1.51E-08	1.33E-09	2.05E-08	4.63E-10	2.65E-09	3.16E-10	3.43E-09	4.21E-10	1.39E-09	9.56E-11	1.90E-09
9652	470492.99	3820618.3	4.91E-09	2.06E-08	1.86E-09	2.74E-08	4.09E-09	1.52E-08	1.33E-09	2.06E-08	4.64E-10	2.66E-09	3.17E-10	3.44E-09	4.22E-10	1.39E-09	9.59E-11	1.91E-09
9653	470484.09	3820621.86	4.93E-09	2.07E-08	1.86E-09	2.75E-08	4.10E-09	1.52E-08	1.34E-09	2.06E-08	4.65E-10	2.66E-09	3.18E-10	3.45E-09	4.23E-10	1.39E-09	9.62E-11	1.91E-09
9654	470475.2	3820625.41	4.94E-09	2.07E-08	1.87E-09	2.76E-08	4.11E-09	1.52E-08	1.34E-09	2.07E-08	4.66E-10	2.67E-09	3.19E-10	3.46E-09	4.24E-10	1.40E-09	9.64E-11	1.92E-09
9655	470466.3	3820628.96	4.95E-09	2.08E-08	1.87E-09	2.76E-08	4.13E-09	1.53E-08	1.34E-09	2.08E-08	4.68E-10	2.68E-09	3.19E-10	3.46E-09	4.25E-10	1.40E-09	9.66E-11	1.92E-09
9656	470457.41	3820632.52	4.97E-09	2.09E-08	1.88E-09	2.77E-08	4.14E-09	1.53E-08	1.35E-09	2.08E-08	4.69E-10	2.69E-09	3.20E-10	3.47E-09	4.26E-10	1.41E-09	9.69E-11	1.93E-09
9657	470448.51	3820636.07	4.98E-09	2.09E-08	1.88E-09	2.78E-08	4.15E-09	1.54E-08	1.35E-09	2.09E-08	4.70E-10	2.69E-09	3.21E-10	3.48E-09	4.28E-10	1.41E-09	9.72E-11	1.94E-09
9658	470439.61	3820639.63	4.99E-09	2.10E-08	1.89E-09	2.79E-08	4.16E-09	1.54E-08	1.36E-09	2.09E-08	4.72E-10	2.70E-09	3.22E-10	3.49E-09	4.29E-10	1.41E-09	9.74E-11	1.94E-09
9659	470430.72	3820643.18	5.00E-09	2.10E-08	1.89E-09	2.79E-08	4.17E-09	1.54E-08	1.36E-09	2.10E-08	4.72E-10	2.70E-09	3.23E-10	3.50E-09	4.29E-10	1.42E-09	9.76E-11	1.94E-09
9660	470421.82	3820646.74	5.01E-09	2.10E-08	1.89E-09	2.79E-08	4.17E-09	1.55E-08	1.36E-09	2.10E-08	4.73E-10	2.71E-09	3.23E-10	3.50E-09	4.30E-10	1.42E-09	9.77E-11	1.95E-09
9661	470412.93	3820650.29	5.02E-09	2.11E-08	1.90E-09	2.80E-08	4.18E-09	1.55E-08	1.36E-09	2.10E-08	4.74E-10	2.71E-09	3.24E-10	3.51E-09	4.31E-10	1.42E-09	9.79E-11	1.95E-09
9662	470404.03	3820653.84	5.02E-09	2.11E-08	1.90E-09	2.80E-08	4.18E-09	1.55E-08	1.36E-09	2.11E-08	4.74E-10	2.72E-09	3.24E-10	3.51E-09	4.31E-10	1.42E-09	9.80E-11	1.95E-09
9663	470395.14	3820657.4	5.03E-09	2.11E-08	1.90E-09	2.81E-08	4.19E-09	1.55E-08	1.37E-09	2.11E-08	4.75E-10	2.72E-09	3.25E-10	3.52E-09	4.32E-10	1.42E-09	9.82E-11	1.95E-09
9664	470386.24	3820660.95	5.04E-09	2.12E-08	1.91E-09	2.81E-08	4.20E-09	1.55E-08	1.37E-09	2.11E-08	4.76E-10	2.72E-09	3.25E-10	3.52E-09	4.33E-10	1.43E-09	9.83E-11	1.96E-09
9665	470377.35	3820664.51	5.05E-09	2.12E-08	1.91E-09	2.81E-08	4.20E-09	1.56E-08	1.37E-09	2.11E-08	4.77E-10	2.73E-09	3.25E-10	3.53E-09	4.33E-10	1.43E-09	9.85E-11	1.96E-09
9666	470368.45	3820668.06	5.06E-09	2.12E-08	1.91E-09	2.82E-08	4.21E-09	1.56E-08	1.37E-09	2.12E-08	4.77E-10	2.73E-09	3.26E-10	3.54E-09	4.34E-10	1.43E-09	9.86E-11	1.96E-09
9667	470359.56	3820671.61	5.06E-09	2.13E-08	1.92E-09	2.82E-08	4.22E-09	1.56E-08	1.37E-09	2.12E-08	4.78E-10	2.74E-09	3.27E-10	3.54E-09	4.35E-10	1.43E-09	9.88E-11	1.97E-09
9668	470350.66	3820675.17	5.07E-09	2.13E-08	1.92E-09	2.83E-08	4.23E-09	1.57E-08	1.38E-09	2.13E-08	4.79E-10	2.74E-09	3.27E-10	3.55E-09	4.36E-10	1.44E-09	9.90E-11	1.97E-09
9669	470341.77	3820678.72	5.08E-09	2.14E-08	1.92E-09	2.84E-08	4.24E-09	1.57E-08	1.38E-09	2.13E-08	4.80E-10	2.75E-09	3.28E-10	3.56E-09	4.37E-10	1.44E-09	9.92E-11	1.97E-09
9670	470332.87	3820682.28	5.10E-09	2.14E-08	1.93E-09	2.84E-08	4.25E-09	1.57E-08	1.38E-09	2.14E-08	4.81E-10	2.76E-09	3.29E-10	3.57E-09	4.38E-10	1.44E-09	9.95E-11	1.98E-09
9671	470323.98	3820685.83	5.11E-09	2.15E-08	1.93E-09	2.85E-08	4.26E-09	1.58E-08	1.39E-09	2.14E-08	4.83E-10	2.76E-09	3.30E-10	3.58E-09	4.39E-10	1.45E-09	9.97E-11	1.99E-09
9672	470315.08	3820689.38	5.12E-09	2.15E-08	1.94E-09	2.86E-08	4.27E-09	1.58E-08	1.39E-09	2.15E-08	4.84E-10	2.77E-09	3.31E-10	3.58E-09	4.40E-10	1.45E-09	1.00E-10	1.99E-09
9673	470306.19	3820692.94	5.14E-09	2.16E-08	1.94E-09	2.87E-08	4.28E-09	1.59E-08	1.40E-09	2.15E-08	4.85E-10	2.78E-09	3.31E-10	3.59E-09	4.41E-10	1.45E-09	1.00E-10	2.00E-09
9674	470297.29	3820696.49	5.15E-09	2.16E-08	1.95E-09	2.87E-08	4.29E-09	1.59E-08	1.40E-09	2.16E-08	4.87E-10	2.79E-09	3.32E-10	3.61E-09	4.42E-10	1.46E-09	1.01E-10	2.00E-09
9675	470288.4	3820700.05	5.17E-09	2.17E-08	1.95E-09	2.88E-08	4.31E-09	1.60E-08	1.40E-09	2.17E-08	4.88E-10	2.79E-09	3.33E-10	3.62E-09	4.44E-10	1.46E-09	1.01E-10	2.01E-09
9676	470279.5	3820703.6	5.19E-09	2.18E-08	1.96E-09	2.89E-08	4.32E-09	1.60E-08	1.41E-09	2.17E-08	4.90E-10	2.80E-09	3.35E-10	3.63E-09	4.45E-10	1.47E-09	1.01E-10	2.01E-09
9677	470270.61	3820707.15	5.20E-09	2.19E-08	1.97E-09	2.90E-08	4.33E-09	1.61E-08	1.41E-09	2.18E-08	4.91E-10	2.81E-09	3.36E-10	3.64E-09	4.47E-10	1.47E-09	1.02E-10	2.02E-09
9678	471539.2	3819461.63	2.70E-09	1.13E-08	1.02E-09	1.51E-08	2.25E-09	8.33E-09	7.33E-10	1.13E-08	2.55E-10	1.46E-09	1.74E-10	1.89E-09	2.32E-10	7.64E-10	5.27E-11	1.05E-09
9679	471539.29	3819451.99	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.31E-09	7.31E-10	1.13E-08	2.54E-10	1.46E-09	1.74E-10	1.88E-09	2.31E-10	7.62E-10	5.25E-11	1.05E-09
9680	471539.37	3819442.34	2.68E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.28E-09	7.29E-10	1.12E-08	2.53E-10	1.45E-09	1.73E-10	1.88E-09	2.30E-10	7.60E-10	5.24E-11	1.04E-09
9681	471539.45	3819432.69	2.68E-09	1.12E-08	1.01E-09	1.49E-08	2.23E-09	8.26E-09	7.26E-10	1.12E-08	2.53E-10	1.45E-09	1.73E-10	1.87E-09	2.30E-10	7.57E-10	5.22E-11	1.04E-09
9682	471539.53	3819423.04	2.67E-09	1.12E-08	1.01E-09	1.49E-08	2.22E-09	8.23E-09	7.24E-10	1.12E-08	2.52E-10	1.44E-09	1.72E-10	1.87E-09	2.29E-10	7.55E-10	5.20E-11	1.04E-09
9683	471539.62	3819413.39	2.66E-09	1.12E-08	1.00E-09	1.48E-08	2.21E-09	8.20E-09	7.21E-10	1.11E-08	2.51E-10	1.44E-09	1.71E-10	1.86E-09	2.28E-10	7.52E-10	5.18E-11	1.03E-09
9684	471539.7	3819403.74	2.64E-09	1.11E-08	1.00E-09	1.48E-08	2.20E-09	8.16E-09	7.18E-10	1.11E-08	2.50E-10	1.43E-09	1.71E-10	1.85E-09	2.27E-10	7.49E-10	5.16E-11	1.03E-09
9685	471539.78	3819394.1	2.63E-09	1.11E-08	9.96E-10	1.47E-08	2.19E-09	8.12E-09	7.15E-10	1.10E-08	2.49E-10	1.42E-09	1.70E-10	1.84E-09	2.26E-10	7.45E-10	5.14E-11	1.02E-09
9686	471539.87	3819384.45	2.62E-09	1.10E-08	9.91E-10	1.46E-08	2.18E-09	8.09E-09	7.11E-10	1.10E-08	2.47E-10	1.42E-09	1.69E-10	1.83E-09	2.25E-10	7.42E-10	5.11E-11	1.02E-09

9687	471539.95	3819374.8	2.61E-09	1.09E-08	9.85E-10	1.45E-08	2.17E-09	8.04E-09	7.07E-10	1.09E-08	2.46E-10	1.41E-09	1.68E-10	1.82E-09	2.24E-10	7.38E-10	5.08E-11	1.01E-09
9688	471540.03	3819365.15	2.59E-09	1.09E-08	9.80E-10	1.45E-08	2.16E-09	8.00E-09	7.03E-10	1.09E-08	2.45E-10	1.40E-09	1.67E-10	1.81E-09	2.22E-10	7.34E-10	5.06E-11	1.01E-09
9689	471540.11	3819355.5	2.58E-09	1.08E-08	9.74E-10	1.44E-08	2.15E-09	7.95E-09	6.99E-10	1.08E-08	2.43E-10	1.39E-09	1.66E-10	1.80E-09	2.21E-10	7.29E-10	5.03E-11	1.00E-09
9690	471540.2	3819345.86	2.56E-09	1.07E-08	9.68E-10	1.43E-08	2.13E-09	7.90E-09	6.95E-10	1.07E-08	2.42E-10	1.38E-09	1.65E-10	1.79E-09	2.20E-10	7.24E-10	4.99E-11	9.94E-10
9691	471540.28	3819336.21	2.54E-09	1.07E-08	9.61E-10	1.42E-08	2.12E-09	7.84E-09	6.90E-10	1.07E-08	2.40E-10	1.37E-09	1.64E-10	1.78E-09	2.18E-10	7.20E-10	4.96E-11	9.87E-10
9692	471540.36	3819326.56	2.52E-09	1.06E-08	9.54E-10	1.41E-08	2.10E-09	7.79E-09	6.85E-10	1.06E-08	2.38E-10	1.36E-09	1.63E-10	1.77E-09	2.17E-10	7.14E-10	4.92E-11	9.80E-10
9693	471540.44	3819316.91	2.50E-09	1.05E-08	9.47E-10	1.40E-08	2.09E-09	7.73E-09	6.80E-10	1.05E-08	2.36E-10	1.35E-09	1.62E-10	1.75E-09	2.15E-10	7.09E-10	4.89E-11	9.73E-10
9694	471540.53	3819307.26	2.48E-09	1.04E-08	9.40E-10	1.39E-08	2.07E-09	7.67E-09	6.74E-10	1.04E-08	2.35E-10	1.34E-09	1.60E-10	1.74E-09	2.13E-10	7.03E-10	4.85E-11	9.65E-10
9695	471540.61	3819297.61	2.46E-09	1.03E-08	9.32E-10	1.37E-08	2.05E-09	7.60E-09	6.69E-10	1.03E-08	2.33E-10	1.33E-09	1.59E-10	1.72E-09	2.11E-10	6.97E-10	4.81E-11	9.57E-10
9696	471540.69	3819287.97	2.44E-09	1.03E-08	9.23E-10	1.36E-08	2.03E-09	7.53E-09	6.63E-10	1.02E-08	2.31E-10	1.32E-09	1.57E-10	1.71E-09	2.10E-10	6.91E-10	4.76E-11	9.48E-10
9697	471540.78	3819278.32	2.42E-09	1.02E-08	9.15E-10	1.35E-08	2.02E-09	7.46E-09	6.57E-10	1.01E-08	2.28E-10	1.31E-09	1.56E-10	1.69E-09	2.08E-10	6.85E-10	4.72E-11	9.40E-10
9698	471540.86	3819268.67	2.40E-09	1.01E-08	9.06E-10	1.34E-08	2.00E-09	7.39E-09	6.50E-10	1.00E-08	2.26E-10	1.30E-09	1.55E-10	1.68E-09	2.06E-10	6.78E-10	4.67E-11	9.31E-10
9699	471540.94	3819259.02	2.37E-09	9.96E-09	8.97E-10	1.32E-08	1.98E-09	7.32E-09	6.44E-10	9.94E-09	2.24E-10	1.28E-09	1.53E-10	1.66E-09	2.04E-10	6.71E-10	4.63E-11	9.21E-10
9700	471615.43	3819471.17	2.41E-09	1.01E-08	9.13E-10	1.35E-08	2.01E-09	7.45E-09	6.55E-10	1.01E-08	2.28E-10	1.30E-09	1.56E-10	1.69E-09	2.07E-10	6.83E-10	4.71E-11	9.37E-10
9701	471611.67	3819480.01	2.43E-09	1.02E-08	9.19E-10	1.36E-08	2.02E-09	7.50E-09	6.60E-10	1.02E-08	2.30E-10	1.31E-09	1.57E-10	1.70E-09	2.09E-10	6.88E-10	4.74E-11	9.44E-10
9702	471607.9	3819488.86	2.45E-09	1.03E-08	9.26E-10	1.37E-08	2.04E-09	7.55E-09	6.65E-10	1.03E-08	2.31E-10	1.32E-09	1.58E-10	1.71E-09	2.10E-10	6.93E-10	4.78E-11	9.51E-10
9703	471604.13	3819497.71	2.47E-09	1.04E-08	9.32E-10	1.37E-08	2.05E-09	7.61E-09	6.69E-10	1.03E-08	2.33E-10	1.33E-09	1.59E-10	1.72E-09	2.12E-10	6.98E-10	4.81E-11	9.57E-10
9704	471600.36	3819506.55	2.48E-09	1.04E-08	9.39E-10	1.38E-08	2.07E-09	7.66E-09	6.74E-10	1.04E-08	2.34E-10	1.34E-09	1.60E-10	1.74E-09	2.13E-10	7.03E-10	4.84E-11	9.64E-10
9705	471596.59	3819515.4	2.50E-09	1.05E-08	9.45E-10	1.39E-08	2.08E-09	7.71E-09	6.78E-10	1.05E-08	2.36E-10	1.35E-09	1.61E-10	1.75E-09	2.14E-10	7.07E-10	4.87E-11	9.70E-10
9706	471592.83	3819524.25	2.51E-09	1.06E-08	9.51E-10	1.40E-08	2.09E-09	7.76E-09	6.83E-10	1.05E-08	2.37E-10	1.36E-09	1.62E-10	1.76E-09	2.16E-10	7.12E-10	4.91E-11	9.77E-10
9707	471589.06	3819533.1	2.53E-09	1.06E-08	9.57E-10	1.41E-08	2.11E-09	7.81E-09	6.87E-10	1.06E-08	2.39E-10	1.37E-09	1.63E-10	1.77E-09	2.17E-10	7.16E-10	4.94E-11	9.83E-10
9708	471577.76	3819559.64	2.58E-09	1.08E-08	9.75E-10	1.44E-08	2.15E-09	7.95E-09	7.00E-10	1.08E-08	2.43E-10	1.39E-09	1.66E-10	1.80E-09	2.21E-10	7.29E-10	5.03E-11	1.00E-09
9709	471573.99	3819568.48	2.59E-09	1.09E-08	9.80E-10	1.45E-08	2.16E-09	8.00E-09	7.04E-10	1.09E-08	2.45E-10	1.40E-09	1.67E-10	1.81E-09	2.23E-10	7.34E-10	5.06E-11	1.01E-09
9710	471570.22	3819577.33	2.61E-09	1.09E-08	9.86E-10	1.45E-08	2.17E-09	8.05E-09	7.08E-10	1.09E-08	2.46E-10	1.41E-09	1.68E-10	1.82E-09	2.24E-10	7.38E-10	5.09E-11	1.01E-09
9711	471566.45	3819586.18	2.62E-09	1.10E-08	9.92E-10	1.46E-08	2.18E-09	8.09E-09	7.12E-10	1.10E-08	2.48E-10	1.42E-09	1.69E-10	1.83E-09	2.25E-10	7.42E-10	5.12E-11	1.02E-09
9712	471562.69	3819595.02	2.64E-09	1.11E-08	9.97E-10	1.47E-08	2.20E-09	8.14E-09	7.16E-10	1.10E-08	2.49E-10	1.43E-09	1.70E-10	1.84E-09	2.26E-10	7.46E-10	5.14E-11	1.02E-09
9713	471558.92	3819603.87	2.65E-09	1.11E-08	1.00E-09	1.48E-08	2.21E-09	8.18E-09	7.20E-10	1.11E-08	2.50E-10	1.43E-09	1.71E-10	1.85E-09	2.28E-10	7.51E-10	5.17E-11	1.03E-09
9714	471555.15	3819612.72	2.67E-09	1.12E-08	1.01E-09	1.49E-08	2.22E-09	8.23E-09	7.24E-10	1.12E-08	2.52E-10	1.44E-09	1.72E-10	1.86E-09	2.29E-10	7.55E-10	5.20E-11	1.04E-09
9715	471551.38	3819621.57	2.68E-09	1.13E-08	1.01E-09	1.49E-08	2.23E-09	8.27E-09	7.27E-10	1.12E-08	2.53E-10	1.45E-09	1.73E-10	1.87E-09	2.30E-10	7.59E-10	5.23E-11	1.04E-09
9716	471547.61	3819630.41	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.31E-09	7.31E-10	1.13E-08	2.54E-10	1.46E-09	1.74E-10	1.88E-09	2.31E-10	7.63E-10	5.26E-11	1.05E-09
9717	471543.85	3819639.26	2.71E-09	1.14E-08	1.02E-09	1.51E-08	2.26E-09	8.36E-09	7.35E-10	1.13E-08	2.56E-10	1.46E-09	1.75E-10	1.89E-09	2.32E-10	7.67E-10	5.28E-11	1.05E-09
9718	471540.08	3819648.11	2.72E-09	1.14E-08	1.03E-09	1.52E-08	2.27E-09	8.40E-09	7.39E-10	1.14E-08	2.57E-10	1.47E-09	1.76E-10	1.90E-09	2.34E-10	7.70E-10	5.31E-11	1.06E-09
9719	471536.31	3819656.95	2.74E-09	1.15E-08	1.03E-09	1.53E-08	2.28E-09	8.44E-09	7.43E-10	1.15E-08	2.58E-10	1.48E-09	1.76E-10	1.91E-09	2.35E-10	7.74E-10	5.34E-11	1.06E-09
9720	471532.54	3819665.8	2.75E-09	1.15E-08	1.04E-09	1.53E-08	2.29E-09	8.48E-09	7.46E-10	1.15E-08	2.60E-10	1.49E-09	1.77E-10	1.92E-09	2.36E-10	7.78E-10	5.36E-11	1.07E-09
9721	471528.78	3819674.65	2.76E-09	1.16E-08	1.04E-09	1.54E-08	2.30E-09	8.53E-09	7.50E-10	1.16E-08	2.61E-10	1.49E-09	1.78E-10	1.93E-09	2.37E-10	7.82E-10	5.39E-11	1.07E-09
9722	471525.01	3819683.49	2.78E-09	1.17E-08	1.05E-09	1.55E-08	2.31E-09	8.57E-09	7.54E-10	1.16E-08	2.62E-10	1.50E-09	1.79E-10	1.94E-09	2.38E-10	7.86E-10	5.42E-11	1.08E-09
9723	471521.24	3819692.34	2.79E-09	1.17E-08	1.05E-09	1.56E-08	2.32E-09	8.61E-09	7.57E-10	1.17E-08	2.63E-10	1.51E-09	1.80E-10	1.95E-09	2.39E-10	7.89E-10	5.44E-11	1.08E-09
9724	471517.47	3819701.19	2.80E-09	1.18E-08	1.06E-09	1.56E-08	2.33E-09	8.65E-09	7.61E-10	1.17E-08	2.65E-10	1.51E-09	1.81E-10	1.96E-09	2.41E-10	7.93E-10	5.47E-11	1.09E-09
9725	471513.7	3819710.04	2.82E-09	1.18E-08	1.06E-09	1.57E-08	2.34E-09	8.69E-09	7.64E-10	1.18E-08	2.66E-10	1.52E-09	1.82E-10	1.97E-09	2.42E-10	7.97E-10	5.49E-11	1.09E-09
9726	471509.94	3819718.88	2.83E-09	1.19E-08	1.07E-09	1.58E-08	2.36E-09	8.73E-09	7.68E-10	1.18E-08	2.67E-10	1.53E-09	1.82E-10	1.98E-09	2.43E-10	8.00E-10	5.52E-11	1.10E-09
9727	471494.87	3819754.27	2.87E-09	1.21E-08	1.09E-09	1.60E-08	2.39E-09	8.87E-09	7.80E-10	1.20E-08	2.71E-10	1.55E-09	1.85E-10	2.01E-09	2.47E-10	8.14E-10	5.61E-11	1.12E-09
9728	471491.1	3819763.12	2.89E-09	1.21E-08	1.09E-09	1.61E-08	2.40E-09	8.90E-09	7.83E-10	1.21E-08	2.72E-10	1.56E-09	1.86E-10	2.02E-09	2.48E-10	8.17E-10	5.63E-11	1.12E-09
9729	471487.33	3819771.96	2.90E-09	1.22E-08	1.10E-09	1.61E-08	2.41E-09	8.93E-09	7.86E-10	1.21E-08	2.73E-10	1.57E-09	1.87E-10	2.03E-09	2.49E-10	8.20E-10	5.65E-11	1.12E-09
9730	471483.56	3819780.81	2.91E-09	1.22E-08	1.10E-09	1.62E-08	2.42E-09	8.97E-09	7.89E-10	1.22E-08	2.74E-10	1.57E-09	1.87E-10	2.03E-09	2.49E-10	8.22E-10	5.67E-11	1.13E-09
9731	471479.8	3819789.66	2.92E-09	1.22E-08	1.10E-09	1.63E-08	2.43E-09	9.00E-09	7.91E-10	1.22E-08	2.75E-10	1.58E-09	1.88E-10	2.04E-09	2.50E-10	8.25E-10	5.69E-11	1.13E-09
9732	471476.03	3819798.51	2.92E-09	1.23E-08	1.11E-09	1.63E-08	2.44E-09	9.02E-09	7.94E-10	1.23E-08	2.76E-10	1.58E-09	1.89E-10	2.05E-09	2.51E-10	8.28E-10	5.71E-11	1.14E-09
9733	471472.26	3819807.35	2.93E-09	1.23E-08	1.11E-09	1.64E-08	2.44E-09	9.05E-09	7.96E-10	1.23E-08	2.77E-10	1.59E-09	1.89E-10	2.05E-09	2.52E-10	8.30E-10	5.72E-11	1.14E-09
9734	471468.49	3819816.2	2.94E-09	1.23E-08	1.11E-09	1.64E-08	2.45E-09	9.07E-09	7.98E-10	1.23E-08	2.78E-10	1.59E-09	1.90E-10	2.06E-09	2.52E-10	8.32E-10	5.74E-11	1.14E-09
9735	471464.72	3819825.05	2.95E-09	1.24E-08	1.12E-09	1.64E-08	2.46E-09	9.10E-09	8.00E-10	1.24E-08	2.78E-10	1.59E-09	1.90E-10	2.06E-09	2.53E-10	8.35E-10	5.75E-11	1.15E-09
9736	471460.96	3819833.89	2.95E-09	1.24E-08	1.12E-09	1.65E-08	2.46E-09	9.12E-09	8.02E-10	1.24E-08	2.79E-10	1.60E-09	1.91E-10	2.07E-09	2.54E-10	8.36E-10	5.76E-11	1.15E-09
9737	471457.19	3819842.74	2.96E-09	1.24E-08	1.12E-09	1.65E-08	2.47E-09	9.14E-09	8.04E-10	1.24E-08	2.80E-10	1.60E-09	1.91E-10	2.07E-09	2.54E-10	8.38E-10	5.78E-11	1.15E-09

9738	471453.42	3819851.59	2.97E-09	1.25E-08	1.12E-09	1.65E-08	2.47E-09	9.15E-09	8.05E-10	1.24E-08	2.80E-10	1.60E-09	1.91E-10	2.07E-09	2.55E-10	8.40E-10	5.79E-11	1.15E-09
9739	471449.65	3819860.44	2.97E-09	1.25E-08	1.12E-09	1.66E-08	2.47E-09	9.17E-09	8.06E-10	1.24E-08	2.81E-10	1.61E-09	1.92E-10	2.08E-09	2.55E-10	8.41E-10	5.80E-11	1.15E-09
9740	471445.89	3819869.28	2.98E-09	1.25E-08	1.13E-09	1.66E-08	2.48E-09	9.18E-09	8.08E-10	1.25E-08	2.81E-10	1.61E-09	1.92E-10	2.08E-09	2.55E-10	8.42E-10	5.81E-11	1.16E-09
9741	471442.12	3819878.13	2.98E-09	1.25E-08	1.13E-09	1.66E-08	2.48E-09	9.19E-09	8.09E-10	1.25E-08	2.81E-10	1.61E-09	1.92E-10	2.08E-09	2.56E-10	8.43E-10	5.81E-11	1.16E-09
9742	471438.35	3819886.98	2.98E-09	1.25E-08	1.13E-09	1.66E-08	2.48E-09	9.20E-09	8.09E-10	1.25E-08	2.82E-10	1.61E-09	1.92E-10	2.09E-09	2.56E-10	8.44E-10	5.82E-11	1.16E-09
9743	471434.58	3819895.82	2.98E-09	1.25E-08	1.13E-09	1.66E-08	2.49E-09	9.21E-09	8.10E-10	1.25E-08	2.82E-10	1.61E-09	1.93E-10	2.09E-09	2.56E-10	8.45E-10	5.82E-11	1.16E-09
9744	471430.82	3819904.67	2.99E-09	1.25E-08	1.13E-09	1.67E-08	2.49E-09	9.21E-09	8.11E-10	1.25E-08	2.82E-10	1.61E-09	1.93E-10	2.09E-09	2.56E-10	8.45E-10	5.83E-11	1.16E-09
9745	471427.05	3819913.52	2.99E-09	1.25E-08	1.13E-09	1.67E-08	2.49E-09	9.22E-09	8.11E-10	1.25E-08	2.82E-10	1.61E-09	1.93E-10	2.09E-09	2.56E-10	8.46E-10	5.83E-11	1.16E-09
9746	471423.28	3819922.36	2.99E-09	1.25E-08	1.13E-09	1.67E-08	2.49E-09	9.22E-09	8.11E-10	1.25E-08	2.82E-10	1.62E-09	1.93E-10	2.09E-09	2.57E-10	8.46E-10	5.83E-11	1.16E-09
9747	471419.51	3819931.21	2.99E-09	1.25E-08	1.13E-09	1.67E-08	2.49E-09	9.22E-09	8.11E-10	1.25E-08	2.82E-10	1.62E-09	1.93E-10	2.09E-09	2.57E-10	8.46E-10	5.83E-11	1.16E-09
9748	471415.74	3819940.06	2.99E-09	1.25E-08	1.13E-09	1.67E-08	2.49E-09	9.22E-09	8.11E-10	1.25E-08	2.82E-10	1.61E-09	1.93E-10	2.09E-09	2.56E-10	8.46E-10	5.83E-11	1.16E-09
9749	471411.98	3819948.91	2.99E-09	1.25E-08	1.13E-09	1.67E-08	2.49E-09	9.21E-09	8.11E-10	1.25E-08	2.82E-10	1.61E-09	1.93E-10	2.09E-09	2.56E-10	8.45E-10	5.83E-11	1.16E-09
9750	471408.21	3819957.75	2.98E-09	1.25E-08	1.13E-09	1.66E-08	2.49E-09	9.21E-09	8.10E-10	1.25E-08	2.82E-10	1.61E-09	1.93E-10	2.09E-09	2.56E-10	8.45E-10	5.82E-11	1.16E-09
9751	471404.44	3819966.6	2.98E-09	1.25E-08	1.13E-09	1.66E-08	2.48E-09	9.20E-09	8.10E-10	1.25E-08	2.82E-10	1.61E-09	1.92E-10	2.09E-09	2.56E-10	8.44E-10	5.82E-11	1.16E-09
9752	471400.67	3819975.45	2.98E-09	1.25E-08	1.13E-09	1.66E-08	2.48E-09	9.19E-09	8.09E-10	1.25E-08	2.81E-10	1.61E-09	1.92E-10	2.08E-09	2.56E-10	8.43E-10	5.81E-11	1.16E-09
9753	471396.91	3819984.29	2.98E-09	1.25E-08	1.13E-09	1.66E-08	2.48E-09	9.19E-09	8.08E-10	1.25E-08	2.81E-10	1.61E-09	1.92E-10	2.08E-09	2.56E-10	8.43E-10	5.81E-11	1.16E-09
9754	471393.14	3819993.14	2.97E-09	1.25E-08	1.12E-09	1.66E-08	2.48E-09	9.18E-09	8.07E-10	1.25E-08	2.81E-10	1.61E-09	1.92E-10	2.08E-09	2.55E-10	8.42E-10	5.80E-11	1.16E-09
9755	471389.37	3820001.99	2.97E-09	1.25E-08	1.12E-09	1.66E-08	2.47E-09	9.17E-09	8.06E-10	1.24E-08	2.80E-10	1.61E-09	1.92E-10	2.08E-09	2.55E-10	8.41E-10	5.80E-11	1.15E-09
9756	471385.6	3820010.83	2.97E-09	1.25E-08	1.12E-09	1.65E-08	2.47E-09	9.15E-09	8.05E-10	1.24E-08	2.80E-10	1.60E-09	1.91E-10	2.07E-09	2.55E-10	8.40E-10	5.79E-11	1.15E-09
9757	471381.84	3820019.68	2.96E-09	1.24E-08	1.12E-09	1.65E-08	2.47E-09	9.14E-09	8.04E-10	1.24E-08	2.80E-10	1.60E-09	1.91E-10	2.07E-09	2.54E-10	8.38E-10	5.78E-11	1.15E-09
9758	471378.07	3820028.53	2.96E-09	1.24E-08	1.12E-09	1.65E-08	2.46E-09	9.13E-09	8.03E-10	1.24E-08	2.79E-10	1.60E-09	1.91E-10	2.07E-09	2.54E-10	8.37E-10	5.77E-11	1.15E-09
9759	471374.3	3820037.38	2.95E-09	1.24E-08	1.12E-09	1.65E-08	2.46E-09	9.11E-09	8.02E-10	1.24E-08	2.79E-10	1.60E-09	1.90E-10	2.07E-09	2.54E-10	8.36E-10	5.76E-11	1.15E-09
9760	471370.53	3820046.22	2.95E-09	1.24E-08	1.12E-09	1.64E-08	2.46E-09	9.10E-09	8.00E-10	1.24E-08	2.78E-10	1.59E-09	1.90E-10	2.06E-09	2.53E-10	8.35E-10	5.75E-11	1.15E-09
9761	471366.76	3820055.07	2.94E-09	1.24E-08	1.11E-09	1.64E-08	2.45E-09	9.08E-09	7.99E-10	1.23E-08	2.78E-10	1.59E-09	1.90E-10	2.06E-09	2.53E-10	8.33E-10	5.74E-11	1.14E-09
9762	471363	3820063.92	2.94E-09	1.23E-08	1.11E-09	1.64E-08	2.45E-09	9.07E-09	7.98E-10	1.23E-08	2.77E-10	1.59E-09	1.90E-10	2.06E-09	2.52E-10	8.32E-10	5.73E-11	1.14E-09
9763	471359.23	3820072.76	2.93E-09	1.23E-08	1.11E-09	1.64E-08	2.44E-09	9.05E-09	7.96E-10	1.23E-08	2.77E-10	1.59E-09	1.89E-10	2.05E-09	2.52E-10	8.30E-10	5.72E-11	1.14E-09
9764	471355.46	3820081.61	2.93E-09	1.23E-08	1.11E-09	1.63E-08	2.44E-09	9.03E-09	7.95E-10	1.23E-08	2.76E-10	1.58E-09	1.89E-10	2.05E-09	2.51E-10	8.29E-10	5.71E-11	1.14E-09
9765	471351.69	3820090.46	2.92E-09	1.23E-08	1.11E-09	1.63E-08	2.43E-09	9.02E-09	7.93E-10	1.22E-08	2.76E-10	1.58E-09	1.89E-10	2.04E-09	2.51E-10	8.27E-10	5.70E-11	1.14E-09
9766	471347.93	3820099.3	2.92E-09	1.23E-08	1.10E-09	1.63E-08	2.43E-09	9.00E-09	7.92E-10	1.22E-08	2.76E-10	1.58E-09	1.88E-10	2.04E-09	2.51E-10	8.26E-10	5.69E-11	1.13E-09
9767	471344.16	3820108.15	2.91E-09	1.22E-08	1.10E-09	1.62E-08	2.43E-09	8.99E-09	7.91E-10	1.22E-08	2.75E-10	1.57E-09	1.88E-10	2.04E-09	2.50E-10	8.24E-10	5.68E-11	1.13E-09
9768	471340.39	3820117	2.91E-09	1.22E-08	1.10E-09	1.62E-08	2.42E-09	8.97E-09	7.89E-10	1.22E-08	2.75E-10	1.57E-09	1.88E-10	2.03E-09	2.50E-10	8.23E-10	5.67E-11	1.13E-09
9769	471336.62	3820125.85	2.90E-09	1.22E-08	1.10E-09	1.62E-08	2.42E-09	8.96E-09	7.88E-10	1.22E-08	2.74E-10	1.57E-09	1.87E-10	2.03E-09	2.49E-10	8.22E-10	5.66E-11	1.13E-09
9770	471332.86	3820134.69	2.90E-09	1.22E-08	1.10E-09	1.62E-08	2.41E-09	8.94E-09	7.87E-10	1.21E-08	2.74E-10	1.57E-09	1.87E-10	2.03E-09	2.49E-10	8.20E-10	5.65E-11	1.13E-09
9771	471329.09	3820143.54	2.89E-09	1.21E-08	1.09E-09	1.61E-08	2.41E-09	8.92E-09	7.85E-10	1.21E-08	2.73E-10	1.56E-09	1.87E-10	2.02E-09	2.48E-10	8.19E-10	5.64E-11	1.12E-09
9772	471325.32	3820152.39	2.89E-09	1.21E-08	1.09E-09	1.61E-08	2.40E-09	8.91E-09	7.84E-10	1.21E-08	2.73E-10	1.56E-09	1.86E-10	2.02E-09	2.48E-10	8.17E-10	5.63E-11	1.12E-09
9773	471321.55	3820161.23	2.88E-09	1.21E-08	1.09E-09	1.61E-08	2.40E-09	8.89E-09	7.82E-10	1.21E-08	2.72E-10	1.56E-09	1.86E-10	2.02E-09	2.47E-10	8.16E-10	5.62E-11	1.12E-09
9774	471317.78	3820170.08	2.88E-09	1.21E-08	1.09E-09	1.60E-08	2.40E-09	8.88E-09	7.81E-10	1.21E-08	2.72E-10	1.56E-09	1.86E-10	2.01E-09	2.47E-10	8.14E-10	5.61E-11	1.12E-09
9775	471314.02	3820178.93	2.87E-09	1.21E-08	1.09E-09	1.60E-08	2.39E-09	8.86E-09	7.80E-10	1.20E-08	2.71E-10	1.55E-09	1.85E-10	2.01E-09	2.47E-10	8.13E-10	5.60E-11	1.12E-09
9776	471310.25	3820187.77	2.87E-09	1.20E-08	1.08E-09	1.60E-08	2.39E-09	8.85E-09	7.78E-10	1.20E-08	2.71E-10	1.55E-09	1.85E-10	2.01E-09	2.46E-10	8.12E-10	5.59E-11	1.11E-09
9777	471306.48	3820196.62	2.86E-09	1.20E-08	1.08E-09	1.60E-08	2.38E-09	8.83E-09	7.77E-10	1.20E-08	2.70E-10	1.55E-09	1.85E-10	2.00E-09	2.46E-10	8.10E-10	5.58E-11	1.11E-09
9778	471302.71	3820205.47	2.86E-09	1.20E-08	1.08E-09	1.59E-08	2.38E-09	8.82E-09	7.76E-10	1.20E-08	2.70E-10	1.54E-09	1.84E-10	2.00E-09	2.45E-10	8.09E-10	5.57E-11	1.11E-09
9779	471298.95	3820214.32	2.85E-09	1.20E-08	1.08E-09	1.59E-08	2.38E-09	8.80E-09	7.74E-10	1.20E-08	2.69E-10	1.54E-09	1.84E-10	2.00E-09	2.45E-10	8.07E-10	5.57E-11	1.11E-09
9780	471295.18	3820223.16	2.85E-09	1.20E-08	1.08E-09	1.59E-08	2.37E-09	8.79E-09	7.73E-10	1.19E-08	2.69E-10	1.54E-09	1.84E-10	1.99E-09	2.44E-10	8.06E-10	5.56E-11	1.11E-09
9781	471291.41	3820232.01	2.84E-09	1.19E-08	1.07E-09	1.59E-08	2.37E-09	8.77E-09	7.71E-10	1.19E-08	2.68E-10	1.54E-09	1.83E-10	1.99E-09	2.44E-10	8.04E-10	5.54E-11	1.10E-09
9782	471287.64	3820240.86	2.84E-09	1.19E-08	1.07E-09	1.58E-08	2.36E-09	8.75E-09	7.70E-10	1.19E-08	2.68E-10	1.53E-09	1.83E-10	1.98E-09	2.43E-10	8.03E-10	5.53E-11	1.10E-09
9783	471283.87	3820249.7	2.83E-09	1.19E-08	1.07E-09	1.58E-08	2.36E-09	8.74E-09	7.68E-10	1.19E-08	2.67E-10	1.53E-09	1.83E-10	1.98E-09	2.43E-10	8.01E-10	5.52E-11	1.10E-09
9784	471280.11	3820258.55	2.82E-09	1.19E-08	1.07E-09	1.58E-08	2.35E-09	8.72E-09	7.67E-10	1.18E-08	2.67E-10	1.53E-09	1.82E-10	1.98E-09	2.42E-10	8.00E-10	5.51E-11	1.10E-09
9785	471276.34	3820267.4	2.82E-09	1.18E-08	1.07E-09	1.57E-08	2.35E-09	8.70E-09	7.65E-10	1.18E-08	2.66E-10	1.52E-09	1.82E-10	1.97E-09	2.42E-10	7.98E-10	5.50E-11	1.09E-09
9786	471272.57	3820276.24	2.81E-09	1.18E-08	1.06E-09	1.57E-08	2.34E-09	8.68E-09	7.63E-10	1.18E-08	2.66E-10	1.52E-09	1.81E-10	1.97E-09	2.41E-10	7.96E-10	5.49E-11	1.09E-09
9787	471268.8	3820285.09	2.81E-09	1.18E-08	1.06E-09	1.57E-08	2.34E-09	8.66E-09	7.62E-10	1.18E-08	2.65E-10	1.52E-09	1.81E-10	1.96E-09	2.41E-10	7.94E-10	5.48E-11	1.09E-09
9788	471265.04	3820293.94	2.80E-09	1.18E-08	1.06E-09	1.56E-08	2.33E-09	8.64E-09	7.60E-10	1.17E-08	2.64E-10	1.51E-09	1.81E-10	1.96E-09	2.40E-10	7.93E-10	5.46E-11	1.09E-09

9789	471261.27	3820302.79	2.79E-09	1.17E-08	1.06E-09	1.56E-08	2.33E-09	8.62E-09	7.58E-10	1.17E-08	2.64E-10	1.51E-09	1.80E-10	1.95E-09	2.40E-10	7.91E-10	5.45E-11	1.08E-09
9790	471257.5	3820311.63	2.79E-09	1.17E-08	1.05E-09	1.55E-08	2.32E-09	8.60E-09	7.56E-10	1.17E-08	2.63E-10	1.51E-09	1.80E-10	1.95E-09	2.39E-10	7.89E-10	5.44E-11	1.08E-09
9791	471253.73	3820320.48	2.78E-09	1.17E-08	1.05E-09	1.55E-08	2.32E-09	8.58E-09	7.54E-10	1.16E-08	2.62E-10	1.50E-09	1.79E-10	1.94E-09	2.39E-10	7.87E-10	5.42E-11	1.08E-09
9792	471249.97	3820329.33	2.77E-09	1.16E-08	1.05E-09	1.55E-08	2.31E-09	8.55E-09	7.52E-10	1.16E-08	2.62E-10	1.50E-09	1.79E-10	1.94E-09	2.38E-10	7.85E-10	5.41E-11	1.08E-09
9793	471246.2	3820338.17	2.76E-09	1.16E-08	1.05E-09	1.54E-08	2.30E-09	8.53E-09	7.50E-10	1.16E-08	2.61E-10	1.49E-09	1.78E-10	1.93E-09	2.37E-10	7.82E-10	5.39E-11	1.07E-09
9794	471242.43	3820347.02	2.76E-09	1.16E-08	1.04E-09	1.54E-08	2.30E-09	8.50E-09	7.48E-10	1.15E-08	2.60E-10	1.49E-09	1.78E-10	1.93E-09	2.37E-10	7.80E-10	5.38E-11	1.07E-09
9795	471238.66	3820355.87	2.75E-09	1.15E-08	1.04E-09	1.53E-08	2.29E-09	8.48E-09	7.46E-10	1.15E-08	2.59E-10	1.49E-09	1.77E-10	1.92E-09	2.36E-10	7.78E-10	5.36E-11	1.07E-09
9796	471234.89	3820364.72	2.74E-09	1.15E-08	1.04E-09	1.53E-08	2.28E-09	8.45E-09	7.44E-10	1.15E-08	2.59E-10	1.48E-09	1.77E-10	1.92E-09	2.35E-10	7.75E-10	5.35E-11	1.06E-09
9797	471231.13	3820373.56	2.73E-09	1.15E-08	1.03E-09	1.52E-08	2.27E-09	8.43E-09	7.41E-10	1.14E-08	2.58E-10	1.48E-09	1.76E-10	1.91E-09	2.34E-10	7.73E-10	5.33E-11	1.06E-09
9798	471227.36	3820382.41	2.72E-09	1.14E-08	1.03E-09	1.52E-08	2.27E-09	8.40E-09	7.39E-10	1.14E-08	2.57E-10	1.47E-09	1.76E-10	1.90E-09	2.34E-10	7.70E-10	5.31E-11	1.06E-09
9799	471223.59	3820391.26	2.71E-09	1.14E-08	1.03E-09	1.51E-08	2.26E-09	8.37E-09	7.36E-10	1.14E-08	2.56E-10	1.47E-09	1.75E-10	1.90E-09	2.33E-10	7.68E-10	5.29E-11	1.05E-09
9800	471219.82	3820400.1	2.70E-09	1.13E-08	1.02E-09	1.51E-08	2.25E-09	8.34E-09	7.34E-10	1.13E-08	2.55E-10	1.46E-09	1.74E-10	1.89E-09	2.32E-10	7.65E-10	5.27E-11	1.05E-09
9801	471207.13	3820412.52	2.71E-09	1.14E-08	1.02E-09	1.51E-08	2.25E-09	8.35E-09	7.35E-10	1.13E-08	2.56E-10	1.46E-09	1.75E-10	1.89E-09	2.32E-10	7.66E-10	5.28E-11	1.05E-09
9802	471198.2	3820416.09	2.72E-09	1.14E-08	1.03E-09	1.52E-08	2.27E-09	8.40E-09	7.39E-10	1.14E-08	2.57E-10	1.47E-09	1.76E-10	1.90E-09	2.34E-10	7.70E-10	5.31E-11	1.06E-09
9803	471189.27	3820419.65	2.74E-09	1.15E-08	1.03E-09	1.53E-08	2.28E-09	8.44E-09	7.43E-10	1.15E-08	2.58E-10	1.48E-09	1.76E-10	1.91E-09	2.35E-10	7.74E-10	5.34E-11	1.06E-09
9804	471180.34	3820423.22	2.75E-09	1.15E-08	1.04E-09	1.53E-08	2.29E-09	8.48E-09	7.46E-10	1.15E-08	2.60E-10	1.49E-09	1.77E-10	1.92E-09	2.36E-10	7.78E-10	5.36E-11	1.07E-09
9805	471171.41	3820426.79	2.76E-09	1.16E-08	1.04E-09	1.54E-08	2.30E-09	8.53E-09	7.50E-10	1.16E-08	2.61E-10	1.49E-09	1.78E-10	1.93E-09	2.37E-10	7.82E-10	5.39E-11	1.07E-09
9806	471162.48	3820430.36	2.78E-09	1.17E-08	1.05E-09	1.55E-08	2.31E-09	8.57E-09	7.54E-10	1.16E-08	2.62E-10	1.50E-09	1.79E-10	1.94E-09	2.38E-10	7.86E-10	5.42E-11	1.08E-09
9807	471153.55	3820433.92	2.79E-09	1.17E-08	1.05E-09	1.56E-08	2.32E-09	8.61E-09	7.57E-10	1.17E-08	2.63E-10	1.51E-09	1.80E-10	1.95E-09	2.39E-10	7.89E-10	5.44E-11	1.08E-09
9808	471144.62	3820437.49	2.80E-09	1.18E-08	1.06E-09	1.56E-08	2.33E-09	8.65E-09	7.61E-10	1.17E-08	2.65E-10	1.51E-09	1.81E-10	1.96E-09	2.41E-10	7.93E-10	5.47E-11	1.09E-09
9809	471135.69	3820441.06	2.82E-09	1.18E-08	1.06E-09	1.57E-08	2.34E-09	8.69E-09	7.64E-10	1.18E-08	2.66E-10	1.52E-09	1.82E-10	1.97E-09	2.42E-10	7.97E-10	5.49E-11	1.09E-09
9810	471126.76	3820444.63	2.83E-09	1.19E-08	1.07E-09	1.58E-08	2.36E-09	8.73E-09	7.68E-10	1.18E-08	2.67E-10	1.53E-09	1.82E-10	1.98E-09	2.43E-10	8.00E-10	5.52E-11	1.10E-09
9811	471117.83	3820448.2	2.84E-09	1.19E-08	1.07E-09	1.58E-08	2.37E-09	8.76E-09	7.71E-10	1.19E-08	2.68E-10	1.54E-09	1.83E-10	1.99E-09	2.44E-10	8.04E-10	5.54E-11	1.10E-09
9812	471108.9	3820451.76	2.85E-09	1.20E-08	1.08E-09	1.59E-08	2.38E-09	8.80E-09	7.74E-10	1.19E-08	2.69E-10	1.54E-09	1.84E-10	1.99E-09	2.45E-10	8.07E-10	5.56E-11	1.11E-09
9813	471099.97	3820455.33	2.86E-09	1.20E-08	1.08E-09	1.60E-08	2.39E-09	8.84E-09	7.77E-10	1.20E-08	2.70E-10	1.55E-09	1.85E-10	2.00E-09	2.46E-10	8.11E-10	5.59E-11	1.11E-09
9814	471091.04	3820458.9	2.88E-09	1.21E-08	1.09E-09	1.60E-08	2.40E-09	8.87E-09	7.81E-10	1.20E-08	2.72E-10	1.55E-09	1.85E-10	2.01E-09	2.47E-10	8.14E-10	5.61E-11	1.12E-09
9815	471082.11	3820462.47	2.89E-09	1.21E-08	1.09E-09	1.61E-08	2.40E-09	8.91E-09	7.84E-10	1.21E-08	2.73E-10	1.56E-09	1.86E-10	2.02E-09	2.48E-10	8.17E-10	5.63E-11	1.12E-09
9816	471073.18	3820466.03	2.90E-09	1.22E-08	1.10E-09	1.62E-08	2.41E-09	8.94E-09	7.87E-10	1.21E-08	2.74E-10	1.57E-09	1.87E-10	2.03E-09	2.49E-10	8.20E-10	5.65E-11	1.13E-09
9817	471064.25	3820469.6	2.91E-09	1.22E-08	1.10E-09	1.62E-08	2.42E-09	8.98E-09	7.90E-10	1.22E-08	2.75E-10	1.57E-09	1.88E-10	2.04E-09	2.50E-10	8.24E-10	5.68E-11	1.13E-09
9818	471055.32	3820473.17	2.92E-09	1.23E-08	1.10E-09	1.63E-08	2.43E-09	9.02E-09	7.93E-10	1.22E-08	2.76E-10	1.58E-09	1.88E-10	2.04E-09	2.51E-10	8.27E-10	5.70E-11	1.13E-09
9819	471046.4	3820476.74	2.93E-09	1.23E-08	1.11E-09	1.64E-08	2.44E-09	9.05E-09	7.96E-10	1.23E-08	2.77E-10	1.59E-09	1.89E-10	2.05E-09	2.52E-10	8.30E-10	5.72E-11	1.14E-09
9820	471037.47	3820480.31	2.95E-09	1.24E-08	1.11E-09	1.64E-08	2.45E-09	9.09E-09	8.00E-10	1.23E-08	2.78E-10	1.59E-09	1.90E-10	2.06E-09	2.53E-10	8.34E-10	5.75E-11	1.14E-09
9821	471028.54	3820483.87	2.96E-09	1.24E-08	1.12E-09	1.65E-08	2.46E-09	9.13E-09	8.03E-10	1.24E-08	2.79E-10	1.60E-09	1.91E-10	2.07E-09	2.54E-10	8.37E-10	5.77E-11	1.15E-09
9822	471019.61	3820487.44	2.97E-09	1.25E-08	1.12E-09	1.66E-08	2.47E-09	9.17E-09	8.06E-10	1.24E-08	2.80E-10	1.61E-09	1.92E-10	2.08E-09	2.55E-10	8.41E-10	5.80E-11	1.15E-09
9823	471010.68	3820491.01	2.98E-09	1.25E-08	1.13E-09	1.66E-08	2.49E-09	9.21E-09	8.10E-10	1.25E-08	2.82E-10	1.61E-09	1.92E-10	2.09E-09	2.56E-10	8.45E-10	5.82E-11	1.16E-09
9824	470974.96	3820505.28	3.04E-09	1.28E-08	1.15E-09	1.70E-08	2.53E-09	9.39E-09	8.26E-10	1.27E-08	2.87E-10	1.64E-09	1.96E-10	2.13E-09	2.61E-10	8.61E-10	5.93E-11	1.18E-09
9825	470966.03	3820508.85	3.06E-09	1.28E-08	1.16E-09	1.71E-08	2.55E-09	9.43E-09	8.30E-10	1.28E-08	2.89E-10	1.65E-09	1.97E-10	2.14E-09	2.62E-10	8.65E-10	5.97E-11	1.19E-09
9826	470957.1	3820512.42	3.07E-09	1.29E-08	1.16E-09	1.71E-08	2.56E-09	9.49E-09	8.35E-10	1.29E-08	2.90E-10	1.66E-09	1.98E-10	2.15E-09	2.64E-10	8.70E-10	6.00E-11	1.19E-09
9827	470948.17	3820515.98	3.09E-09	1.30E-08	1.17E-09	1.72E-08	2.58E-09	9.54E-09	8.39E-10	1.30E-08	2.92E-10	1.67E-09	1.99E-10	2.16E-09	2.65E-10	8.75E-10	6.03E-11	1.20E-09
9828	470939.24	3820519.55	3.11E-09	1.31E-08	1.18E-09	1.73E-08	2.59E-09	9.60E-09	8.44E-10	1.30E-08	2.94E-10	1.68E-09	2.01E-10	2.18E-09	2.67E-10	8.80E-10	6.07E-11	1.21E-09
9829	470930.31	3820523.12	3.13E-09	1.31E-08	1.18E-09	1.75E-08	2.61E-09	9.66E-09	8.50E-10	1.31E-08	2.96E-10	1.69E-09	2.02E-10	2.19E-09	2.69E-10	8.86E-10	6.11E-11	1.22E-09
9830	470921.38	3820526.69	3.15E-09	1.32E-08	1.19E-09	1.76E-08	2.62E-09	9.72E-09	8.55E-10	1.32E-08	2.97E-10	1.70E-09	2.03E-10	2.20E-09	2.70E-10	8.91E-10	6.14E-11	1.22E-09
9831	470849.95	3820555.23	3.34E-09	1.40E-08	1.26E-09	1.87E-08	2.79E-09	1.03E-08	9.08E-10	1.40E-08	3.16E-10	1.81E-09	2.16E-10	2.34E-09	2.87E-10	9.47E-10	6.53E-11	1.30E-09
9832	470841.02	3820558.8	3.37E-09	1.42E-08	1.28E-09	1.88E-08	2.81E-09	1.04E-08	9.16E-10	1.41E-08	3.19E-10	1.82E-09	2.18E-10	2.36E-09	2.90E-10	9.55E-10	6.58E-11	1.31E-09
9833	470832.09	3820562.36	3.40E-09	1.43E-08	1.29E-09	1.90E-08	2.83E-09	1.05E-08	9.24E-10	1.43E-08	3.21E-10	1.84E-09	2.20E-10	2.38E-09	2.92E-10	9.63E-10	6.64E-11	1.32E-09
9834	470823.16	3820565.93	3.43E-09	1.44E-08	1.30E-09	1.92E-08	2.86E-09	1.06E-08	9.32E-10	1.44E-08	3.24E-10	1.86E-09	2.22E-10	2.40E-09	2.95E-10	9.72E-10	6.70E-11	1.33E-09
9835	470814.23	3820569.5	3.47E-09	1.46E-08	1.31E-09	1.93E-08	2.89E-09	1.07E-08	9.41E-10	1.45E-08	3.27E-10	1.87E-09	2.24E-10	2.42E-09	2.98E-10	9.81E-10	6.76E-11	1.35E-09
9836	470805.3	3820573.07	3.50E-09	1.47E-08	1.32E-09	1.95E-08	2.91E-09	1.08E-08	9.49E-10	1.47E-08	3.30E-10	1.89E-09	2.26E-10	2.45E-09	3.00E-10	9.90E-10	6.82E-11	1.36E-09
9837	470796.37	3820576.63	3.53E-09	1.48E-08	1.34E-09	1.97E-08	2.94E-09	1.09E-08	9.58E-10	1.48E-08	3.33E-10	1.91E-09	2.28E-10	2.47E-09	3.03E-10	9.99E-10	6.89E-11	1.37E-09
9838	470787.44	3820580.2	3.56E-09	1.50E-08	1.35E-09	1.99E-08	2.97E-09	1.10E-08	9.68E-10	1.49E-08	3.37E-10	1.93E-09	2.30E-10	2.49E-09	3.06E-10	1.01E-09	6.96E-11	1.38E-09
9839	470778.51	3820583.77	3.60E-09	1.51E-08	1.36E-09	2.01E-08	3.00E-09	1.11E-08	9.77E-10	1.51E-08	3.40E-10	1.95E-09	2.32E-10	2.52E-09	3.09E-10	1.02E-09	7.02E-11	1.40E-09

9840	470769.58	3820587.34	3.63E-09	1.53E-08	1.37E-09	2.03E-08	3.02E-09	1.12E-08	9.86E-10	1.52E-08	3.43E-10	1.96E-09	2.34E-10	2.54E-09	3.12E-10	1.03E-09	7.09E-11	1.41E-09
9841	470760.65	3820590.91	3.67E-09	1.54E-08	1.39E-09	2.04E-08	3.05E-09	1.13E-08	9.95E-10	1.54E-08	3.46E-10	1.98E-09	2.36E-10	2.56E-09	3.15E-10	1.04E-09	7.15E-11	1.42E-09
9842	470751.72	3820594.47	3.70E-09	1.55E-08	1.40E-09	2.06E-08	3.08E-09	1.14E-08	1.00E-09	1.55E-08	3.49E-10	2.00E-09	2.39E-10	2.59E-09	3.18E-10	1.05E-09	7.22E-11	1.44E-09
9843	470742.79	3820598.04	3.73E-09	1.57E-08	1.41E-09	2.08E-08	3.11E-09	1.15E-08	1.01E-09	1.56E-08	3.52E-10	2.02E-09	2.41E-10	2.61E-09	3.20E-10	1.06E-09	7.28E-11	1.45E-09
9844	470733.86	3820601.61	3.77E-09	1.58E-08	1.42E-09	2.10E-08	3.14E-09	1.16E-08	1.02E-09	1.58E-08	3.56E-10	2.04E-09	2.43E-10	2.63E-09	3.23E-10	1.07E-09	7.35E-11	1.46E-09
9845	470724.93	3820605.18	3.80E-09	1.60E-08	1.44E-09	2.12E-08	3.17E-09	1.17E-08	1.03E-09	1.59E-08	3.59E-10	2.06E-09	2.45E-10	2.66E-09	3.26E-10	1.08E-09	7.42E-11	1.48E-09
9846	470716	3820608.74	3.84E-09	1.61E-08	1.45E-09	2.14E-08	3.20E-09	1.18E-08	1.04E-09	1.61E-08	3.63E-10	2.08E-09	2.48E-10	2.69E-09	3.30E-10	1.09E-09	7.49E-11	1.49E-09
9847	470707.07	3820612.31	3.88E-09	1.63E-08	1.47E-09	2.16E-08	3.23E-09	1.20E-08	1.05E-09	1.62E-08	3.66E-10	2.10E-09	2.50E-10	2.71E-09	3.33E-10	1.10E-09	7.57E-11	1.51E-09
9848	470698.14	3820615.88	3.91E-09	1.64E-08	1.48E-09	2.18E-08	3.26E-09	1.21E-08	1.06E-09	1.64E-08	3.70E-10	2.12E-09	2.52E-10	2.74E-09	3.36E-10	1.11E-09	7.64E-11	1.52E-09
9849	470689.21	3820619.45	3.95E-09	1.66E-08	1.49E-09	2.20E-08	3.29E-09	1.22E-08	1.07E-09	1.66E-08	3.73E-10	2.14E-09	2.55E-10	2.76E-09	3.39E-10	1.12E-09	7.71E-11	1.53E-09
9850	470680.28	3820623.02	3.99E-09	1.67E-08	1.51E-09	2.22E-08	3.32E-09	1.23E-08	1.08E-09	1.67E-08	3.76E-10	2.16E-09	2.57E-10	2.79E-09	3.42E-10	1.13E-09	7.78E-11	1.55E-09
9851	470671.36	3820626.58	4.02E-09	1.69E-08	1.52E-09	2.24E-08	3.35E-09	1.24E-08	1.09E-09	1.68E-08	3.80E-10	2.17E-09	2.59E-10	2.81E-09	3.45E-10	1.14E-09	7.85E-11	1.56E-09
9852	470662.43	3820630.15	4.05E-09	1.70E-08	1.53E-09	2.26E-08	3.38E-09	1.25E-08	1.10E-09	1.70E-08	3.83E-10	2.19E-09	2.61E-10	2.84E-09	3.48E-10	1.15E-09	7.91E-11	1.57E-09
9853	470653.5	3820633.72	4.09E-09	1.72E-08	1.54E-09	2.28E-08	3.40E-09	1.26E-08	1.11E-09	1.71E-08	3.86E-10	2.21E-09	2.63E-10	2.86E-09	3.51E-10	1.16E-09	7.97E-11	1.59E-09
9854	470644.57	3820637.29	4.12E-09	1.73E-08	1.56E-09	2.30E-08	3.43E-09	1.27E-08	1.12E-09	1.72E-08	3.89E-10	2.23E-09	2.65E-10	2.88E-09	3.53E-10	1.17E-09	8.03E-11	1.60E-09
9855	470635.64	3820640.85	4.15E-09	1.74E-08	1.57E-09	2.31E-08	3.45E-09	1.28E-08	1.13E-09	1.74E-08	3.92E-10	2.24E-09	2.67E-10	2.90E-09	3.56E-10	1.17E-09	8.09E-11	1.61E-09
9856	470626.71	3820644.42	4.18E-09	1.75E-08	1.58E-09	2.33E-08	3.48E-09	1.29E-08	1.13E-09	1.75E-08	3.94E-10	2.26E-09	2.69E-10	2.92E-09	3.58E-10	1.18E-09	8.15E-11	1.62E-09
9857	470617.78	3820647.99	4.20E-09	1.77E-08	1.59E-09	2.35E-08	3.50E-09	1.30E-08	1.14E-09	1.76E-08	3.97E-10	2.27E-09	2.71E-10	2.94E-09	3.61E-10	1.19E-09	8.20E-11	1.63E-09
9858	470608.85	3820651.56	4.23E-09	1.78E-08	1.60E-09	2.36E-08	3.52E-09	1.31E-08	1.15E-09	1.77E-08	4.00E-10	2.29E-09	2.73E-10	2.96E-09	3.63E-10	1.20E-09	8.26E-11	1.64E-09
9859	470599.92	3820655.13	4.26E-09	1.79E-08	1.61E-09	2.37E-08	3.55E-09	1.31E-08	1.16E-09	1.78E-08	4.02E-10	2.30E-09	2.75E-10	2.98E-09	3.65E-10	1.20E-09	8.31E-11	1.65E-09
9860	470590.99	3820658.69	4.28E-09	1.80E-08	1.62E-09	2.39E-08	3.57E-09	1.32E-08	1.16E-09	1.79E-08	4.04E-10	2.31E-09	2.76E-10	2.99E-09	3.67E-10	1.21E-09	8.35E-11	1.66E-09
9861	470582.06	3820662.26	4.30E-09	1.81E-08	1.63E-09	2.40E-08	3.59E-09	1.33E-08	1.17E-09	1.80E-08	4.06E-10	2.33E-09	2.78E-10	3.01E-09	3.70E-10	1.22E-09	8.40E-11	1.67E-09
9862	470573.13	3820665.83	4.33E-09	1.82E-08	1.64E-09	2.41E-08	3.61E-09	1.34E-08	1.18E-09	1.81E-08	4.09E-10	2.34E-09	2.79E-10	3.03E-09	3.72E-10	1.23E-09	8.45E-11	1.68E-09
9863	470564.2	3820669.4	4.35E-09	1.83E-08	1.65E-09	2.43E-08	3.63E-09	1.34E-08	1.18E-09	1.82E-08	4.11E-10	2.35E-09	2.81E-10	3.04E-09	3.74E-10	1.23E-09	8.49E-11	1.69E-09
9864	470555.27	3820672.96	4.38E-09	1.84E-08	1.65E-09	2.44E-08	3.64E-09	1.35E-08	1.19E-09	1.83E-08	4.13E-10	2.37E-09	2.82E-10	3.06E-09	3.76E-10	1.24E-09	8.54E-11	1.70E-09
9865	470546.34	3820676.53	4.40E-09	1.85E-08	1.66E-09	2.45E-08	3.66E-09	1.36E-08	1.19E-09	1.84E-08	4.15E-10	2.38E-09	2.84E-10	3.07E-09	3.77E-10	1.24E-09	8.58E-11	1.71E-09
9866	470537.41	3820680.1	4.41E-09	1.85E-08	1.67E-09	2.46E-08	3.68E-09	1.36E-08	1.20E-09	1.85E-08	4.17E-10	2.39E-09	2.85E-10	3.09E-09	3.79E-10	1.25E-09	8.61E-11	1.71E-09
9867	470528.48	3820683.67	4.43E-09	1.86E-08	1.68E-09	2.47E-08	3.69E-09	1.37E-08	1.20E-09	1.86E-08	4.18E-10	2.40E-09	2.86E-10	3.10E-09	3.80E-10	1.25E-09	8.64E-11	1.72E-09
9868	470519.55	3820687.24	4.44E-09	1.87E-08	1.68E-09	2.48E-08	3.70E-09	1.37E-08	1.21E-09	1.86E-08	4.20E-10	2.40E-09	2.87E-10	3.11E-09	3.81E-10	1.26E-09	8.67E-11	1.73E-09
9869	470510.62	3820690.8	4.45E-09	1.87E-08	1.68E-09	2.48E-08	3.71E-09	1.37E-08	1.21E-09	1.87E-08	4.21E-10	2.41E-09	2.87E-10	3.12E-09	3.82E-10	1.26E-09	8.69E-11	1.73E-09
9870	470501.69	3820694.37	4.46E-09	1.87E-08	1.69E-09	2.49E-08	3.72E-09	1.38E-08	1.21E-09	1.87E-08	4.22E-10	2.41E-09	2.88E-10	3.12E-09	3.83E-10	1.26E-09	8.71E-11	1.73E-09
9871	470492.76	3820697.94	4.47E-09	1.88E-08	1.69E-09	2.49E-08	3.72E-09	1.38E-08	1.21E-09	1.87E-08	4.22E-10	2.42E-09	2.88E-10	3.13E-09	3.84E-10	1.27E-09	8.73E-11	1.74E-09
9872	470483.84	3820701.51	4.48E-09	1.88E-08	1.69E-09	2.50E-08	3.73E-09	1.38E-08	1.22E-09	1.88E-08	4.23E-10	2.42E-09	2.89E-10	3.13E-09	3.84E-10	1.27E-09	8.74E-11	1.74E-09
9873	470474.91	3820705.07	4.48E-09	1.88E-08	1.70E-09	2.50E-08	3.73E-09	1.38E-08	1.22E-09	1.88E-08	4.23E-10	2.42E-09	2.89E-10	3.14E-09	3.85E-10	1.27E-09	8.75E-11	1.74E-09
9874	470465.98	3820708.64	4.49E-09	1.88E-08	1.70E-09	2.50E-08	3.74E-09	1.39E-08	1.22E-09	1.88E-08	4.24E-10	2.43E-09	2.90E-10	3.14E-09	3.85E-10	1.27E-09	8.76E-11	1.74E-09
9875	470457.05	3820712.21	4.50E-09	1.89E-08	1.70E-09	2.51E-08	3.74E-09	1.39E-08	1.22E-09	1.88E-08	4.24E-10	2.43E-09	2.90E-10	3.14E-09	3.86E-10	1.27E-09	8.77E-11	1.75E-09
9876	470448.12	3820715.78	4.50E-09	1.89E-08	1.70E-09	2.51E-08	3.75E-09	1.39E-08	1.22E-09	1.89E-08	4.25E-10	2.43E-09	2.90E-10	3.15E-09	3.87E-10	1.27E-09	8.79E-11	1.75E-09
9877	470439.19	3820719.35	4.51E-09	1.89E-08	1.71E-09	2.52E-08	3.76E-09	1.39E-08	1.22E-09	1.89E-08	4.26E-10	2.44E-09	2.91E-10	3.16E-09	3.87E-10	1.28E-09	8.80E-11	1.75E-09
9878	470430.26	3820722.91	4.52E-09	1.90E-08	1.71E-09	2.52E-08	3.76E-09	1.39E-08	1.23E-09	1.89E-08	4.27E-10	2.44E-09	2.91E-10	3.16E-09	3.88E-10	1.28E-09	8.81E-11	1.75E-09
9879	470421.33	3820726.48	4.52E-09	1.90E-08	1.71E-09	2.52E-08	3.77E-09	1.40E-08	1.23E-09	1.90E-08	4.27E-10	2.44E-09	2.92E-10	3.16E-09	3.88E-10	1.28E-09	8.83E-11	1.76E-09
9880	470412.4	3820730.05	4.53E-09	1.90E-08	1.71E-09	2.53E-08	3.77E-09	1.40E-08	1.23E-09	1.90E-08	4.28E-10	2.45E-09	2.92E-10	3.17E-09	3.89E-10	1.28E-09	8.84E-11	1.76E-09
9881	470403.47	3820733.62	4.54E-09	1.90E-08	1.72E-09	2.53E-08	3.78E-09	1.40E-08	1.23E-09	1.90E-08	4.28E-10	2.45E-09	2.93E-10	3.17E-09	3.89E-10	1.28E-09	8.85E-11	1.76E-09
9882	470394.54	3820737.18	4.54E-09	1.91E-08	1.72E-09	2.53E-08	3.78E-09	1.40E-08	1.23E-09	1.90E-08	4.29E-10	2.46E-09	2.93E-10	3.18E-09	3.90E-10	1.29E-09	8.86E-11	1.76E-09
9883	470385.61	3820740.75	4.55E-09	1.91E-08	1.72E-09	2.54E-08	3.79E-09	1.40E-08	1.24E-09	1.91E-08	4.30E-10	2.46E-09	2.93E-10	3.18E-09	3.91E-10	1.29E-09	8.88E-11	1.77E-09
9884	470376.68	3820744.32	4.56E-09	1.91E-08	1.72E-09	2.54E-08	3.80E-09	1.41E-08	1.24E-09	1.91E-08	4.30E-10	2.46E-09	2.94E-10	3.19E-09	3.91E-10	1.29E-09	8.89E-11	1.77E-09
9885	470367.75	3820747.89	4.57E-09	1.92E-08	1.73E-09	2.55E-08	3.80E-09	1.41E-08	1.24E-09	1.91E-08	4.31E-10	2.47E-09	2.95E-10	3.20E-09	3.92E-10	1.29E-09	8.91E-11	1.77E-09
9886	470358.82	3820751.45	4.58E-09	1.92E-08	1.73E-09	2.55E-08	3.81E-09	1.41E-08	1.24E-09	1.92E-08	4.32E-10	2.47E-09	2.95E-10	3.20E-09	3.93E-10	1.30E-09	8.93E-11	1.78E-09
9887	470349.89	3820755.02	4.59E-09	1.93E-08	1.74E-09	2.56E-08	3.82E-09	1.42E-08	1.25E-09	1.92E-08	4.33E-10	2.48E-09	2.96E-10	3.21E-09	3.94E-10	1.30E-09	8.95E-11	1.78E-09
9888	470340.96	3820758.59	4.60E-09	1.93E-08	1.74E-09	2.57E-08	3.83E-09	1.42E-08	1.25E-09	1.93E-08	4.35E-10	2.49E-09	2.97E-10	3.22E-09	3.95E-10	1.30E-09	8.98E-11	1.79E-09
9889	470332.03	3820762.16	4.61E-09	1.94E-08	1.75E-09	2.57E-08	3.84E-09	1.42E-08	1.25E-09	1.93E-08	4.36E-10	2.49E-09	2.98E-10	3.23E-09	3.96E-10	1.31E-09	9.00E-11	1.79E-09
9890	470323.1	3820765.73	4.63E-09	1.94E-08	1.75E-09	2.58E-08	3.85E-09	1.43E-08	1.26E-09	1.94E-08	4.37E-10	2.50E-09	2.99E-10	3.24E-09	3.97E-10	1.31E-09	9.03E-11	1.80E-09

9891	470314.17	3820769.29	4.64E-09	1.95E-08	1.75E-09	2.59E-08	3.86E-09	1.43E-08	1.26E-09	1.94E-08	4.38E-10	2.51E-09	2.99E-10	3.25E-09	3.98E-10	1.31E-09	9.05E-11	1.80E-09
9892	470305.24	3820772.86	4.65E-09	1.95E-08	1.76E-09	2.60E-08	3.88E-09	1.44E-08	1.26E-09	1.95E-08	4.39E-10	2.52E-09	3.00E-10	3.26E-09	4.00E-10	1.32E-09	9.08E-11	1.81E-09
9893	470296.32	3820776.43	4.67E-09	1.96E-08	1.77E-09	2.60E-08	3.89E-09	1.44E-08	1.27E-09	1.96E-08	4.41E-10	2.52E-09	3.01E-10	3.27E-09	4.01E-10	1.32E-09	9.11E-11	1.81E-09
9894	470287.39	3820780	4.68E-09	1.97E-08	1.77E-09	2.61E-08	3.90E-09	1.44E-08	1.27E-09	1.96E-08	4.42E-10	2.53E-09	3.02E-10	3.28E-09	4.02E-10	1.33E-09	9.14E-11	1.82E-09
9895	470278.46	3820783.56	4.70E-09	1.97E-08	1.78E-09	2.62E-08	3.91E-09	1.45E-08	1.28E-09	1.97E-08	4.44E-10	2.54E-09	3.03E-10	3.29E-09	4.03E-10	1.33E-09	9.17E-11	1.82E-09
9896	470269.53	3820787.13	4.72E-09	1.98E-08	1.78E-09	2.63E-08	3.93E-09	1.46E-08	1.28E-09	1.98E-08	4.45E-10	2.55E-09	3.04E-10	3.30E-09	4.05E-10	1.33E-09	9.20E-11	1.83E-09
9897	471619.2	3819462.32	2.40E-09	1.01E-08	9.06E-10	1.34E-08	2.00E-09	7.39E-09	6.50E-10	1.00E-08	2.26E-10	1.29E-09	1.54E-10	1.68E-09	2.06E-10	6.78E-10	4.67E-11	9.30E-10
9898	471619.28	3819452.67	2.39E-09	1.00E-08	9.03E-10	1.33E-08	1.99E-09	7.37E-09	6.49E-10	1.00E-08	2.26E-10	1.29E-09	1.54E-10	1.67E-09	2.05E-10	6.76E-10	4.66E-11	9.28E-10
9899	471619.37	3819443.02	2.38E-09	1.00E-08	9.01E-10	1.33E-08	1.98E-09	7.35E-09	6.47E-10	9.98E-09	2.25E-10	1.29E-09	1.54E-10	1.67E-09	2.04E-10	6.74E-10	4.65E-11	9.25E-10
9900	471619.45	3819433.37	2.38E-09	9.98E-09	8.98E-10	1.32E-08	1.98E-09	7.33E-09	6.45E-10	9.95E-09	2.24E-10	1.28E-09	1.53E-10	1.66E-09	2.04E-10	6.72E-10	4.63E-11	9.23E-10
9901	471619.53	3819423.73	2.37E-09	9.94E-09	8.95E-10	1.32E-08	1.97E-09	7.30E-09	6.43E-10	9.92E-09	2.24E-10	1.28E-09	1.53E-10	1.66E-09	2.03E-10	6.70E-10	4.62E-11	9.19E-10
9902	471619.61	3819414.08	2.36E-09	9.90E-09	8.92E-10	1.32E-08	1.96E-09	7.28E-09	6.40E-10	9.88E-09	2.23E-10	1.27E-09	1.52E-10	1.65E-09	2.02E-10	6.67E-10	4.60E-11	9.16E-10
9903	471619.7	3819404.43	2.35E-09	9.87E-09	8.88E-10	1.31E-08	1.96E-09	7.25E-09	6.38E-10	9.84E-09	2.22E-10	1.27E-09	1.52E-10	1.64E-09	2.02E-10	6.65E-10	4.58E-11	9.12E-10
9904	471619.78	3819394.78	2.34E-09	9.82E-09	8.85E-10	1.30E-08	1.95E-09	7.22E-09	6.35E-10	9.80E-09	2.21E-10	1.26E-09	1.51E-10	1.64E-09	2.01E-10	6.62E-10	4.56E-11	9.08E-10
9905	471619.86	3819385.13	2.33E-09	9.78E-09	8.80E-10	1.30E-08	1.94E-09	7.18E-09	6.32E-10	9.75E-09	2.20E-10	1.26E-09	1.50E-10	1.63E-09	2.00E-10	6.59E-10	4.54E-11	9.04E-10
9906	471619.95	3819375.49	2.32E-09	9.73E-09	8.76E-10	1.29E-08	1.93E-09	7.15E-09	6.29E-10	9.71E-09	2.19E-10	1.25E-09	1.49E-10	1.62E-09	1.99E-10	6.56E-10	4.52E-11	9.00E-10
9907	471620.03	3819365.84	2.30E-09	9.68E-09	8.71E-10	1.29E-08	1.92E-09	7.11E-09	6.25E-10	9.65E-09	2.18E-10	1.25E-09	1.49E-10	1.61E-09	1.98E-10	6.52E-10	4.50E-11	8.95E-10
9908	471620.11	3819356.19	2.29E-09	9.62E-09	8.66E-10	1.28E-08	1.91E-09	7.07E-09	6.22E-10	9.60E-09	2.16E-10	1.24E-09	1.48E-10	1.60E-09	1.97E-10	6.48E-10	4.47E-11	8.90E-10
9909	471620.19	3819346.54	2.28E-09	9.56E-09	8.61E-10	1.27E-08	1.90E-09	7.03E-09	6.18E-10	9.54E-09	2.15E-10	1.23E-09	1.47E-10	1.59E-09	1.95E-10	6.45E-10	4.44E-11	8.85E-10
9910	471620.28	3819336.89	2.26E-09	9.50E-09	8.55E-10	1.26E-08	1.88E-09	6.98E-09	6.14E-10	9.48E-09	2.14E-10	1.22E-09	1.46E-10	1.58E-09	1.94E-10	6.40E-10	4.41E-11	8.79E-10
9911	471620.36	3819327.24	2.25E-09	9.43E-09	8.50E-10	1.25E-08	1.87E-09	6.93E-09	6.10E-10	9.41E-09	2.12E-10	1.21E-09	1.45E-10	1.57E-09	1.93E-10	6.36E-10	4.38E-11	8.73E-10
9912	471620.44	3819317.6	2.23E-09	9.36E-09	8.43E-10	1.24E-08	1.86E-09	6.88E-09	6.05E-10	9.34E-09	2.11E-10	1.21E-09	1.44E-10	1.56E-09	1.91E-10	6.31E-10	4.35E-11	8.66E-10
9913	471620.52	3819307.95	2.21E-09	9.30E-09	8.37E-10	1.23E-08	1.84E-09	6.83E-09	6.01E-10	9.27E-09	2.09E-10	1.20E-09	1.43E-10	1.55E-09	1.90E-10	6.27E-10	4.32E-11	8.60E-10
9914	471620.61	3819298.3	2.20E-09	9.22E-09	8.30E-10	1.22E-08	1.83E-09	6.77E-09	5.96E-10	9.20E-09	2.07E-10	1.19E-09	1.42E-10	1.54E-09	1.88E-10	6.21E-10	4.28E-11	8.53E-10
9915	471620.69	3819288.65	2.18E-09	9.15E-09	8.24E-10	1.21E-08	1.81E-09	6.72E-09	5.91E-10	9.13E-09	2.06E-10	1.18E-09	1.40E-10	1.52E-09	1.87E-10	6.16E-10	4.25E-11	8.46E-10
9916	471620.77	3819279	2.16E-09	9.06E-09	8.16E-10	1.20E-08	1.80E-09	6.66E-09	5.86E-10	9.04E-09	2.04E-10	1.17E-09	1.39E-10	1.51E-09	1.85E-10	6.11E-10	4.21E-11	8.38E-10
9917	471620.86	3819269.36	2.14E-09	8.98E-09	8.09E-10	1.19E-08	1.78E-09	6.60E-09	5.81E-10	8.96E-09	2.02E-10	1.16E-09	1.38E-10	1.50E-09	1.84E-10	6.06E-10	4.17E-11	8.31E-10
9918	471620.94	3819259.71	2.12E-09	8.90E-09	8.01E-10	1.18E-08	1.76E-09	6.54E-09	5.75E-10	8.88E-09	2.00E-10	1.15E-09	1.37E-10	1.48E-09	1.82E-10	6.00E-10	4.13E-11	8.23E-10
9919	471695.45	3819471.8	2.16E-09	9.05E-09	8.15E-10	1.20E-08	1.80E-09	6.65E-09	5.85E-10	9.03E-09	2.04E-10	1.17E-09	1.39E-10	1.51E-09	1.85E-10	6.10E-10	4.21E-11	8.37E-10
9920	471691.7	3819480.6	2.17E-09	9.11E-09	8.21E-10	1.21E-08	1.81E-09	6.70E-09	5.89E-10	9.09E-09	2.05E-10	1.17E-09	1.40E-10	1.52E-09	1.86E-10	6.14E-10	4.23E-11	8.43E-10
9921	471687.96	3819489.4	2.19E-09	9.18E-09	8.26E-10	1.22E-08	1.82E-09	6.74E-09	5.93E-10	9.16E-09	2.06E-10	1.18E-09	1.41E-10	1.53E-09	1.88E-10	6.19E-10	4.26E-11	8.49E-10
9922	471684.21	3819498.2	2.20E-09	9.24E-09	8.32E-10	1.23E-08	1.83E-09	6.79E-09	5.97E-10	9.22E-09	2.08E-10	1.19E-09	1.42E-10	1.54E-09	1.89E-10	6.23E-10	4.29E-11	8.54E-10
9923	471680.46	3819507	2.21E-09	9.30E-09	8.37E-10	1.23E-08	1.84E-09	6.83E-09	6.01E-10	9.28E-09	2.09E-10	1.20E-09	1.43E-10	1.55E-09	1.90E-10	6.27E-10	4.32E-11	8.60E-10
9924	471676.71	3819515.8	2.23E-09	9.36E-09	8.43E-10	1.24E-08	1.86E-09	6.87E-09	6.05E-10	9.33E-09	2.10E-10	1.20E-09	1.44E-10	1.56E-09	1.91E-10	6.31E-10	4.35E-11	8.65E-10
9925	471672.97	3819524.6	2.24E-09	9.41E-09	8.48E-10	1.25E-08	1.87E-09	6.92E-09	6.08E-10	9.39E-09	2.12E-10	1.21E-09	1.45E-10	1.57E-09	1.92E-10	6.34E-10	4.37E-11	8.71E-10
9926	471669.22	3819533.4	2.26E-09	9.47E-09	8.53E-10	1.26E-08	1.88E-09	6.96E-09	6.12E-10	9.45E-09	2.13E-10	1.22E-09	1.45E-10	1.58E-09	1.94E-10	6.38E-10	4.40E-11	8.76E-10
9927	471665.47	3819542.2	2.27E-09	9.53E-09	8.58E-10	1.27E-08	1.89E-09	7.00E-09	6.16E-10	9.51E-09	2.14E-10	1.23E-09	1.46E-10	1.59E-09	1.95E-10	6.42E-10	4.43E-11	8.81E-10
9928	471661.72	3819551	2.28E-09	9.58E-09	8.63E-10	1.27E-08	1.90E-09	7.04E-09	6.19E-10	9.56E-09	2.15E-10	1.23E-09	1.47E-10	1.60E-09	1.96E-10	6.46E-10	4.45E-11	8.86E-10
9929	471657.98	3819559.8	2.30E-09	9.64E-09	8.68E-10	1.28E-08	1.91E-09	7.08E-09	6.23E-10	9.62E-09	2.17E-10	1.24E-09	1.48E-10	1.61E-09	1.97E-10	6.50E-10	4.48E-11	8.91E-10
9930	471654.23	3819568.6	2.31E-09	9.69E-09	8.73E-10	1.29E-08	1.92E-09	7.12E-09	6.26E-10	9.67E-09	2.18E-10	1.25E-09	1.49E-10	1.61E-09	1.98E-10	6.53E-10	4.50E-11	8.96E-10
9931	471650.48	3819577.4	2.32E-09	9.74E-09	8.78E-10	1.29E-08	1.93E-09	7.16E-09	6.30E-10	9.72E-09	2.19E-10	1.25E-09	1.50E-10	1.62E-09	1.99E-10	6.57E-10	4.53E-11	9.01E-10
9932	471646.73	3819586.2	2.33E-09	9.80E-09	8.82E-10	1.30E-08	1.94E-09	7.20E-09	6.33E-10	9.77E-09	2.20E-10	1.26E-09	1.50E-10	1.63E-09	2.00E-10	6.60E-10	4.55E-11	9.06E-10
9933	471642.99	3819595	2.35E-09	9.85E-09	8.87E-10	1.31E-08	1.95E-09	7.24E-09	6.37E-10	9.83E-09	2.22E-10	1.27E-09	1.51E-10	1.64E-09	2.01E-10	6.64E-10	4.58E-11	9.11E-10
9934	471635.49	3819612.6	2.37E-09	9.95E-09	8.96E-10	1.32E-08	1.97E-09	7.31E-09	6.43E-10	9.93E-09	2.24E-10	1.28E-09	1.53E-10	1.66E-09	2.04E-10	6.71E-10	4.63E-11	9.21E-10
9935	471631.74	3819621.4	2.38E-09	1.00E-08	9.01E-10	1.33E-08	1.98E-09	7.35E-09	6.47E-10	9.98E-09	2.25E-10	1.29E-09	1.54E-10	1.67E-09	2.05E-10	6.75E-10	4.65E-11	9.26E-10
9936	471628	3819630.2	2.39E-09	1.01E-08	9.06E-10	1.34E-08	1.99E-09	7.39E-09	6.50E-10	1.00E-08	2.26E-10	1.29E-09	1.54E-10	1.68E-09	2.06E-10	6.78E-10	4.67E-11	9.30E-10
9937	471624.25	3819639	2.41E-09	1.01E-08	9.10E-10	1.34E-08	2.00E-09	7.43E-09	6.53E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.68E-09	2.07E-10	6.81E-10	4.70E-11	9.35E-10
9938	471620.5	3819647.8	2.42E-09	1.02E-08	9.15E-10	1.35E-08	2.01E-09	7.46E-09	6.57E-10	1.01E-08	2.28E-10	1.31E-09	1.56E-10	1.69E-09	2.08E-10	6.85E-10	4.72E-11	9.39E-10
9939	471616.75	3819656.59	2.43E-09	1.02E-08	9.19E-10	1.36E-08	2.02E-09	7.50E-09	6.60E-10	1.02E-08	2.30E-10	1.31E-09	1.57E-10	1.70E-09	2.09E-10	6.88E-10	4.74E-11	9.44E-10
9940	471613.01	3819665.39	2.44E-09	1.03E-08	9.24E-10	1.36E-08	2.03E-09	7.54E-09	6.63E-10	1.02E-08	2.31E-10	1.32E-09	1.58E-10	1.71E-09	2.10E-10	6.91E-10	4.77E-11	9.49E-10
9941	471609.26	3819674.19	2.45E-09	1.03E-08	9.28E-10	1.37E-08	2.04E-09	7.57E-09	6.66E-10	1.03E-08	2.32E-10	1.33E-09	1.58E-10	1.72E-09	2.11E-10	6.95E-10	4.79E-11	9.53E-10

9942	471605.51	3819682.99	2.47E-09	1.04E-08	9.33E-10	1.38E-08	2.05E-09	7.61E-09	6.69E-10	1.03E-08	2.33E-10	1.33E-09	1.59E-10	1.72E-09	2.12E-10	6.98E-10	4.81E-11	9.58E-10
9943	471601.76	3819691.79	2.48E-09	1.04E-08	9.37E-10	1.38E-08	2.06E-09	7.64E-09	6.73E-10	1.04E-08	2.34E-10	1.34E-09	1.60E-10	1.73E-09	2.13E-10	7.01E-10	4.83E-11	9.62E-10
9944	471598.02	3819700.59	2.49E-09	1.05E-08	9.41E-10	1.39E-08	2.07E-09	7.68E-09	6.76E-10	1.04E-08	2.35E-10	1.35E-09	1.61E-10	1.74E-09	2.14E-10	7.04E-10	4.86E-11	9.67E-10
9945	471594.27	3819709.39	2.50E-09	1.05E-08	9.46E-10	1.39E-08	2.08E-09	7.71E-09	6.79E-10	1.05E-08	2.36E-10	1.35E-09	1.61E-10	1.75E-09	2.15E-10	7.08E-10	4.88E-11	9.71E-10
9946	471590.52	3819718.19	2.51E-09	1.05E-08	9.50E-10	1.40E-08	2.09E-09	7.75E-09	6.82E-10	1.05E-08	2.37E-10	1.36E-09	1.62E-10	1.76E-09	2.16E-10	7.11E-10	4.90E-11	9.75E-10
9947	471586.77	3819726.99	2.52E-09	1.06E-08	9.54E-10	1.41E-08	2.10E-09	7.79E-09	6.85E-10	1.06E-08	2.38E-10	1.36E-09	1.63E-10	1.76E-09	2.17E-10	7.14E-10	4.92E-11	9.80E-10
9948	471583.03	3819735.79	2.53E-09	1.06E-08	9.58E-10	1.41E-08	2.11E-09	7.82E-09	6.88E-10	1.06E-08	2.39E-10	1.37E-09	1.63E-10	1.77E-09	2.18E-10	7.17E-10	4.94E-11	9.84E-10
9949	471579.28	3819744.59	2.54E-09	1.07E-08	9.62E-10	1.42E-08	2.12E-09	7.85E-09	6.91E-10	1.07E-08	2.40E-10	1.38E-09	1.64E-10	1.78E-09	2.18E-10	7.20E-10	4.96E-11	9.88E-10
9950	471575.53	3819753.39	2.56E-09	1.07E-08	9.66E-10	1.43E-08	2.13E-09	7.88E-09	6.94E-10	1.07E-08	2.41E-10	1.38E-09	1.65E-10	1.79E-09	2.19E-10	7.23E-10	4.99E-11	9.92E-10
9951	471571.78	3819762.19	2.57E-09	1.08E-08	9.70E-10	1.43E-08	2.14E-09	7.92E-09	6.96E-10	1.07E-08	2.42E-10	1.39E-09	1.65E-10	1.79E-09	2.20E-10	7.26E-10	5.01E-11	9.96E-10
9952	471568.04	3819770.99	2.58E-09	1.08E-08	9.74E-10	1.44E-08	2.15E-09	7.95E-09	6.99E-10	1.08E-08	2.43E-10	1.39E-09	1.66E-10	1.80E-09	2.21E-10	7.29E-10	5.03E-11	1.00E-09
9953	471564.29	3819779.79	2.59E-09	1.09E-08	9.78E-10	1.44E-08	2.15E-09	7.98E-09	7.02E-10	1.08E-08	2.44E-10	1.40E-09	1.67E-10	1.81E-09	2.22E-10	7.32E-10	5.04E-11	1.00E-09
9954	471549.3	3819814.99	2.62E-09	1.10E-08	9.91E-10	1.46E-08	2.18E-09	8.09E-09	7.12E-10	1.10E-08	2.48E-10	1.42E-09	1.69E-10	1.83E-09	2.25E-10	7.42E-10	5.12E-11	1.02E-09
9955	471545.55	3819823.79	2.63E-09	1.10E-08	9.95E-10	1.47E-08	2.19E-09	8.12E-09	7.14E-10	1.10E-08	2.48E-10	1.42E-09	1.70E-10	1.84E-09	2.26E-10	7.44E-10	5.13E-11	1.02E-09
9956	471541.8	3819832.59	2.64E-09	1.11E-08	9.97E-10	1.47E-08	2.20E-09	8.14E-09	7.16E-10	1.11E-08	2.49E-10	1.43E-09	1.70E-10	1.84E-09	2.26E-10	7.47E-10	5.15E-11	1.02E-09
9957	471538.06	3819841.38	2.64E-09	1.11E-08	1.00E-09	1.47E-08	2.20E-09	8.16E-09	7.18E-10	1.11E-08	2.50E-10	1.43E-09	1.71E-10	1.85E-09	2.27E-10	7.49E-10	5.16E-11	1.03E-09
9958	471534.31	3819850.18	2.65E-09	1.11E-08	1.00E-09	1.48E-08	2.21E-09	8.18E-09	7.20E-10	1.11E-08	2.50E-10	1.43E-09	1.71E-10	1.85E-09	2.28E-10	7.50E-10	5.17E-11	1.03E-09
9959	471530.56	3819858.98	2.66E-09	1.12E-08	1.01E-09	1.48E-08	2.21E-09	8.20E-09	7.22E-10	1.11E-08	2.51E-10	1.44E-09	1.71E-10	1.86E-09	2.28E-10	7.52E-10	5.19E-11	1.03E-09
9960	471526.81	3819867.78	2.66E-09	1.12E-08	1.01E-09	1.49E-08	2.22E-09	8.22E-09	7.23E-10	1.12E-08	2.52E-10	1.44E-09	1.72E-10	1.86E-09	2.29E-10	7.54E-10	5.20E-11	1.03E-09
9961	471523.07	3819876.58	2.67E-09	1.12E-08	1.01E-09	1.49E-08	2.22E-09	8.24E-09	7.25E-10	1.12E-08	2.52E-10	1.44E-09	1.72E-10	1.87E-09	2.29E-10	7.55E-10	5.21E-11	1.04E-09
9962	471519.32	3819885.38	2.67E-09	1.12E-08	1.01E-09	1.49E-08	2.23E-09	8.25E-09	7.26E-10	1.12E-08	2.52E-10	1.45E-09	1.72E-10	1.87E-09	2.30E-10	7.57E-10	5.22E-11	1.04E-09
9963	471515.57	3819894.18	2.68E-09	1.12E-08	1.01E-09	1.49E-08	2.23E-09	8.26E-09	7.27E-10	1.12E-08	2.53E-10	1.45E-09	1.73E-10	1.87E-09	2.30E-10	7.58E-10	5.23E-11	1.04E-09
9964	471511.82	3819902.98	2.68E-09	1.13E-08	1.01E-09	1.50E-08	2.23E-09	8.27E-09	7.28E-10	1.12E-08	2.53E-10	1.45E-09	1.73E-10	1.88E-09	2.30E-10	7.59E-10	5.23E-11	1.04E-09
9965	471508.08	3819911.78	2.68E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.28E-09	7.29E-10	1.12E-08	2.54E-10	1.45E-09	1.73E-10	1.88E-09	2.30E-10	7.60E-10	5.24E-11	1.04E-09
9966	471504.33	3819920.58	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.29E-09	7.29E-10	1.13E-08	2.54E-10	1.45E-09	1.73E-10	1.88E-09	2.31E-10	7.61E-10	5.24E-11	1.04E-09
9967	471500.58	3819929.38	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.30E-09	7.30E-10	1.13E-08	2.54E-10	1.45E-09	1.73E-10	1.88E-09	2.31E-10	7.61E-10	5.25E-11	1.04E-09
9968	471496.83	3819938.18	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.30E-09	7.30E-10	1.13E-08	2.54E-10	1.45E-09	1.74E-10	1.88E-09	2.31E-10	7.62E-10	5.25E-11	1.05E-09
9969	471493.09	3819946.98	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.31E-09	7.31E-10	1.13E-08	2.54E-10	1.46E-09	1.74E-10	1.88E-09	2.31E-10	7.62E-10	5.25E-11	1.05E-09
9970	471489.34	3819955.78	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.31E-09	7.31E-10	1.13E-08	2.54E-10	1.46E-09	1.74E-10	1.88E-09	2.31E-10	7.62E-10	5.25E-11	1.05E-09
9971	471485.59	3819964.58	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.31E-09	7.31E-10	1.13E-08	2.54E-10	1.46E-09	1.74E-10	1.88E-09	2.31E-10	7.62E-10	5.25E-11	1.05E-09
9972	471481.84	3819973.38	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.31E-09	7.31E-10	1.13E-08	2.54E-10	1.46E-09	1.74E-10	1.88E-09	2.31E-10	7.62E-10	5.25E-11	1.05E-09
9973	471478.1	3819982.18	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.30E-09	7.30E-10	1.13E-08	2.54E-10	1.45E-09	1.74E-10	1.88E-09	2.31E-10	7.62E-10	5.25E-11	1.05E-09
9974	471474.35	3819990.98	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.30E-09	7.30E-10	1.13E-08	2.54E-10	1.45E-09	1.73E-10	1.88E-09	2.31E-10	7.61E-10	5.25E-11	1.04E-09
9975	471470.6	3819999.78	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.29E-09	7.30E-10	1.13E-08	2.54E-10	1.45E-09	1.73E-10	1.88E-09	2.31E-10	7.61E-10	5.24E-11	1.04E-09
9976	471466.85	3820008.58	2.69E-09	1.13E-08	1.02E-09	1.50E-08	2.24E-09	8.29E-09	7.29E-10	1.13E-08	2.54E-10	1.45E-09	1.73E-10	1.88E-09	2.31E-10	7.60E-10	5.24E-11	1.04E-09
9977	471463.11	3820017.38	2.68E-09	1.13E-08	1.01E-09	1.50E-08	2.24E-09	8.28E-09	7.28E-10	1.12E-08	2.53E-10	1.45E-09	1.73E-10	1.88E-09	2.30E-10	7.60E-10	5.24E-11	1.04E-09
9978	471459.36	3820026.17	2.68E-09	1.13E-08	1.01E-09	1.50E-08	2.23E-09	8.27E-09	7.28E-10	1.12E-08	2.53E-10	1.45E-09	1.73E-10	1.88E-09	2.30E-10	7.59E-10	5.23E-11	1.04E-09
9979	471455.61	3820034.97	2.68E-09	1.12E-08	1.01E-09	1.49E-08	2.23E-09	8.26E-09	7.27E-10	1.12E-08	2.53E-10	1.45E-09	1.73E-10	1.87E-09	2.30E-10	7.58E-10	5.23E-11	1.04E-09
9980	471451.86	3820043.77	2.67E-09	1.12E-08	1.01E-09	1.49E-08	2.23E-09	8.25E-09	7.26E-10	1.12E-08	2.53E-10	1.45E-09	1.72E-10	1.87E-09	2.30E-10	7.57E-10	5.22E-11	1.04E-09
9981	471448.12	3820052.57	2.67E-09	1.12E-08	1.01E-09	1.49E-08	2.22E-09	8.24E-09	7.25E-10	1.12E-08	2.52E-10	1.44E-09	1.72E-10	1.87E-09	2.29E-10	7.56E-10	5.21E-11	1.04E-09
9982	471444.37	3820061.37	2.67E-09	1.12E-08	1.01E-09	1.49E-08	2.22E-09	8.23E-09	7.24E-10	1.12E-08	2.52E-10	1.44E-09	1.72E-10	1.87E-09	2.29E-10	7.55E-10	5.20E-11	1.04E-09
9983	471440.62	3820070.17	2.66E-09	1.12E-08	1.01E-09	1.49E-08	2.22E-09	8.22E-09	7.23E-10	1.12E-08	2.52E-10	1.44E-09	1.72E-10	1.86E-09	2.29E-10	7.54E-10	5.20E-11	1.03E-09
9984	471436.87	3820078.97	2.66E-09	1.12E-08	1.01E-09	1.48E-08	2.22E-09	8.21E-09	7.22E-10	1.11E-08	2.51E-10	1.44E-09	1.72E-10	1.86E-09	2.28E-10	7.53E-10	5.19E-11	1.03E-09
9985	471433.13	3820087.77	2.66E-09	1.12E-08	1.00E-09	1.48E-08	2.21E-09	8.20E-09	7.21E-10	1.11E-08	2.51E-10	1.44E-09	1.71E-10	1.86E-09	2.28E-10	7.52E-10	5.18E-11	1.03E-09
9986	471429.38	3820096.57	2.65E-09	1.11E-08	1.00E-09	1.48E-08	2.21E-09	8.18E-09	7.20E-10	1.11E-08	2.50E-10	1.43E-09	1.71E-10	1.85E-09	2.28E-10	7.51E-10	5.17E-11	1.03E-09
9987	471425.63	3820105.37	2.65E-09	1.11E-08	1.00E-09	1.48E-08	2.21E-09	8.17E-09	7.19E-10	1.11E-08	2.50E-10	1.43E-09	1.71E-10	1.85E-09	2.27E-10	7.49E-10	5.17E-11	1.03E-09
9988	471421.88	3820114.17	2.64E-09	1.11E-08	1.00E-09	1.47E-08	2.20E-09	8.16E-09	7.18E-10	1.11E-08	2.50E-10	1.43E-09	1.71E-10	1.85E-09	2.27E-10	7.48E-10	5.16E-11	1.03E-09
9989	471418.14	3820122.97	2.64E-09	1.11E-08	9.98E-10	1.47E-08	2.20E-09	8.14E-09	7.16E-10	1.11E-08	2.49E-10	1.43E-09	1.70E-10	1.85E-09	2.27E-10	7.47E-10	5.15E-11	1.02E-09
9990	471414.39	3820131.77	2.63E-09	1.11E-08	9.96E-10	1.47E-08	2.19E-09	8.13E-09	7.15E-10	1.10E-08	2.49E-10	1.42E-09	1.70E-10	1.84E-09	2.26E-10	7.46E-10	5.14E-11	1.02E-09
9991	471410.64	3820140.57	2.63E-09	1.10E-08	9.95E-10	1.47E-08	2.19E-09	8.12E-09	7.14E-10	1.10E-08	2.48E-10	1.42E-09	1.70E-10	1.84E-09	2.26E-10	7.45E-10	5.13E-11	1.02E-09
9992	471406.89	3820149.37	2.63E-09	1.10E-08	9.93E-10	1.46E-08	2.19E-09	8.10E-09	7.13E-10	1.10E-08	2.48E-10	1.42E-09	1.69E-10	1.84E-09	2.25E-10	7.43E-10	5.12E-11	1.02E-09

9993	471403.15	3820158.17	2.62E-09	1.10E-08	9.91E-10	1.46E-08	2.18E-09	8.09E-09	7.12E-10	1.10E-08	2.48E-10	1.42E-09	1.69E-10	1.83E-09	2.25E-10	7.42E-10	5.12E-11	1.02E-09
9994	471399.4	3820166.97	2.62E-09	1.10E-08	9.90E-10	1.46E-08	2.18E-09	8.08E-09	7.11E-10	1.10E-08	2.47E-10	1.42E-09	1.69E-10	1.83E-09	2.25E-10	7.41E-10	5.11E-11	1.02E-09
9995	471395.65	3820175.77	2.61E-09	1.10E-08	9.89E-10	1.46E-08	2.18E-09	8.07E-09	7.10E-10	1.10E-08	2.47E-10	1.41E-09	1.69E-10	1.83E-09	2.24E-10	7.40E-10	5.10E-11	1.02E-09
9996	471391.9	3820184.57	2.61E-09	1.10E-08	9.87E-10	1.46E-08	2.17E-09	8.05E-09	7.08E-10	1.09E-08	2.46E-10	1.41E-09	1.68E-10	1.83E-09	2.24E-10	7.39E-10	5.09E-11	1.01E-09
9997	471388.16	3820193.37	2.61E-09	1.09E-08	9.85E-10	1.45E-08	2.17E-09	8.04E-09	7.07E-10	1.09E-08	2.46E-10	1.41E-09	1.68E-10	1.82E-09	2.24E-10	7.38E-10	5.08E-11	1.01E-09
9998	471384.41	3820202.17	2.60E-09	1.09E-08	9.84E-10	1.45E-08	2.17E-09	8.03E-09	7.06E-10	1.09E-08	2.46E-10	1.41E-09	1.68E-10	1.82E-09	2.23E-10	7.36E-10	5.08E-11	1.01E-09
9999	471380.66	3820210.97	2.60E-09	1.09E-08	9.82E-10	1.45E-08	2.16E-09	8.02E-09	7.05E-10	1.09E-08	2.45E-10	1.40E-09	1.68E-10	1.82E-09	2.23E-10	7.35E-10	5.07E-11	1.01E-09
10000	471376.91	3820219.76	2.59E-09	1.09E-08	9.81E-10	1.45E-08	2.16E-09	8.00E-09	7.04E-10	1.09E-08	2.45E-10	1.40E-09	1.67E-10	1.81E-09	2.23E-10	7.34E-10	5.06E-11	1.01E-09
10001	471373.17	3820228.56	2.59E-09	1.09E-08	9.80E-10	1.44E-08	2.16E-09	7.99E-09	7.03E-10	1.09E-08	2.45E-10	1.40E-09	1.67E-10	1.81E-09	2.22E-10	7.33E-10	5.05E-11	1.01E-09
10002	471369.42	3820237.36	2.59E-09	1.09E-08	9.78E-10	1.44E-08	2.15E-09	7.98E-09	7.02E-10	1.08E-08	2.44E-10	1.40E-09	1.67E-10	1.81E-09	2.22E-10	7.32E-10	5.05E-11	1.00E-09
10003	471365.67	3820246.16	2.58E-09	1.08E-08	9.77E-10	1.44E-08	2.15E-09	7.97E-09	7.01E-10	1.08E-08	2.44E-10	1.40E-09	1.67E-10	1.81E-09	2.22E-10	7.31E-10	5.04E-11	1.00E-09
10004	471361.92	3820254.96	2.58E-09	1.08E-08	9.75E-10	1.44E-08	2.15E-09	7.96E-09	7.00E-10	1.08E-08	2.44E-10	1.39E-09	1.66E-10	1.80E-09	2.21E-10	7.30E-10	5.03E-11	1.00E-09
10005	471358.18	3820263.76	2.57E-09	1.08E-08	9.74E-10	1.44E-08	2.14E-09	7.95E-09	6.99E-10	1.08E-08	2.43E-10	1.39E-09	1.66E-10	1.80E-09	2.21E-10	7.29E-10	5.02E-11	1.00E-09
10006	471354.43	3820272.56	2.57E-09	1.08E-08	9.72E-10	1.43E-08	2.14E-09	7.93E-09	6.98E-10	1.08E-08	2.43E-10	1.39E-09	1.66E-10	1.80E-09	2.21E-10	7.27E-10	5.02E-11	9.98E-10
10007	471350.68	3820281.36	2.57E-09	1.08E-08	9.71E-10	1.43E-08	2.14E-09	7.92E-09	6.97E-10	1.08E-08	2.42E-10	1.39E-09	1.66E-10	1.80E-09	2.20E-10	7.27E-10	5.01E-11	9.97E-10
10008	471346.93	3820290.16	2.56E-09	1.08E-08	9.69E-10	1.43E-08	2.13E-09	7.91E-09	6.96E-10	1.07E-08	2.42E-10	1.39E-09	1.65E-10	1.79E-09	2.20E-10	7.25E-10	5.00E-11	9.95E-10
10009	471343.19	3820298.96	2.56E-09	1.07E-08	9.68E-10	1.43E-08	2.13E-09	7.89E-09	6.95E-10	1.07E-08	2.42E-10	1.38E-09	1.65E-10	1.79E-09	2.20E-10	7.24E-10	4.99E-11	9.94E-10
10010	471339.44	3820307.76	2.55E-09	1.07E-08	9.66E-10	1.42E-08	2.13E-09	7.88E-09	6.93E-10	1.07E-08	2.41E-10	1.38E-09	1.65E-10	1.79E-09	2.19E-10	7.23E-10	4.98E-11	9.92E-10
10011	471335.69	3820316.56	2.55E-09	1.07E-08	9.64E-10	1.42E-08	2.12E-09	7.87E-09	6.92E-10	1.07E-08	2.41E-10	1.38E-09	1.64E-10	1.78E-09	2.19E-10	7.22E-10	4.97E-11	9.90E-10
10012	471331.94	3820325.36	2.55E-09	1.07E-08	9.63E-10	1.42E-08	2.12E-09	7.86E-09	6.91E-10	1.07E-08	2.40E-10	1.38E-09	1.64E-10	1.78E-09	2.19E-10	7.21E-10	4.97E-11	9.89E-10
10013	471328.2	3820334.16	2.54E-09	1.07E-08	9.61E-10	1.42E-08	2.12E-09	7.84E-09	6.90E-10	1.06E-08	2.40E-10	1.37E-09	1.64E-10	1.78E-09	2.18E-10	7.19E-10	4.96E-11	9.87E-10
10014	471324.45	3820342.96	2.54E-09	1.06E-08	9.59E-10	1.41E-08	2.11E-09	7.82E-09	6.88E-10	1.06E-08	2.39E-10	1.37E-09	1.64E-10	1.77E-09	2.18E-10	7.18E-10	4.95E-11	9.85E-10
10015	471320.7	3820351.76	2.53E-09	1.06E-08	9.57E-10	1.41E-08	2.11E-09	7.81E-09	6.87E-10	1.06E-08	2.39E-10	1.37E-09	1.63E-10	1.77E-09	2.17E-10	7.16E-10	4.94E-11	9.83E-10
10016	471316.95	3820360.56	2.53E-09	1.06E-08	9.55E-10	1.41E-08	2.10E-09	7.79E-09	6.86E-10	1.06E-08	2.38E-10	1.37E-09	1.63E-10	1.77E-09	2.17E-10	7.15E-10	4.93E-11	9.81E-10
10017	471313.21	3820369.36	2.52E-09	1.06E-08	9.53E-10	1.41E-08	2.10E-09	7.78E-09	6.84E-10	1.06E-08	2.38E-10	1.36E-09	1.63E-10	1.76E-09	2.16E-10	7.13E-10	4.92E-11	9.79E-10
10018	471309.46	3820378.16	2.51E-09	1.06E-08	9.51E-10	1.40E-08	2.09E-09	7.76E-09	6.82E-10	1.05E-08	2.37E-10	1.36E-09	1.62E-10	1.76E-09	2.16E-10	7.12E-10	4.91E-11	9.76E-10
10019	471305.71	3820386.96	2.51E-09	1.05E-08	9.49E-10	1.40E-08	2.09E-09	7.74E-09	6.81E-10	1.05E-08	2.37E-10	1.36E-09	1.62E-10	1.75E-09	2.15E-10	7.10E-10	4.89E-11	9.74E-10
10020	471301.96	3820395.76	2.50E-09	1.05E-08	9.46E-10	1.40E-08	2.08E-09	7.72E-09	6.79E-10	1.05E-08	2.36E-10	1.35E-09	1.61E-10	1.75E-09	2.15E-10	7.08E-10	4.88E-11	9.72E-10
10021	471298.22	3820404.55	2.49E-09	1.05E-08	9.43E-10	1.39E-08	2.08E-09	7.70E-09	6.77E-10	1.05E-08	2.36E-10	1.35E-09	1.61E-10	1.75E-09	2.14E-10	7.06E-10	4.87E-11	9.69E-10
10022	471294.47	3820413.35	2.49E-09	1.04E-08	9.41E-10	1.39E-08	2.07E-09	7.68E-09	6.75E-10	1.04E-08	2.35E-10	1.34E-09	1.60E-10	1.74E-09	2.14E-10	7.04E-10	4.85E-11	9.66E-10
10023	471290.72	3820422.15	2.48E-09	1.04E-08	9.38E-10	1.38E-08	2.07E-09	7.65E-09	6.73E-10	1.04E-08	2.34E-10	1.34E-09	1.60E-10	1.73E-09	2.13E-10	7.02E-10	4.84E-11	9.63E-10
10024	471286.97	3820430.95	2.47E-09	1.04E-08	9.35E-10	1.38E-08	2.06E-09	7.63E-09	6.71E-10	1.04E-08	2.33E-10	1.34E-09	1.59E-10	1.73E-09	2.12E-10	7.00E-10	4.82E-11	9.60E-10
10025	471283.23	3820439.75	2.46E-09	1.04E-08	9.32E-10	1.37E-08	2.05E-09	7.61E-09	6.69E-10	1.03E-08	2.33E-10	1.33E-09	1.59E-10	1.72E-09	2.12E-10	6.98E-10	4.81E-11	9.57E-10
10026	471279.48	3820448.55	2.46E-09	1.03E-08	9.29E-10	1.37E-08	2.05E-09	7.58E-09	6.67E-10	1.03E-08	2.32E-10	1.33E-09	1.58E-10	1.72E-09	2.11E-10	6.95E-10	4.79E-11	9.54E-10
10027	471275.73	3820457.35	2.45E-09	1.03E-08	9.26E-10	1.37E-08	2.04E-09	7.56E-09	6.65E-10	1.03E-08	2.31E-10	1.32E-09	1.58E-10	1.71E-09	2.10E-10	6.93E-10	4.78E-11	9.51E-10
10028	471263.1	3820469.7	2.45E-09	1.03E-08	9.28E-10	1.37E-08	2.04E-09	7.57E-09	6.66E-10	1.03E-08	2.32E-10	1.33E-09	1.58E-10	1.72E-09	2.11E-10	6.95E-10	4.79E-11	9.53E-10
10029	471254.22	3820473.25	2.47E-09	1.04E-08	9.33E-10	1.38E-08	2.05E-09	7.61E-09	6.69E-10	1.03E-08	2.33E-10	1.33E-09	1.59E-10	1.72E-09	2.12E-10	6.98E-10	4.81E-11	9.58E-10
10030	471245.34	3820476.8	2.48E-09	1.04E-08	9.37E-10	1.38E-08	2.06E-09	7.64E-09	6.73E-10	1.04E-08	2.34E-10	1.34E-09	1.60E-10	1.73E-09	2.13E-10	7.01E-10	4.83E-11	9.62E-10
10031	471236.46	3820480.35	2.49E-09	1.05E-08	9.42E-10	1.39E-08	2.07E-09	7.68E-09	6.76E-10	1.04E-08	2.35E-10	1.35E-09	1.61E-10	1.74E-09	2.14E-10	7.05E-10	4.86E-11	9.67E-10
10032	471227.58	3820483.89	2.50E-09	1.05E-08	9.46E-10	1.40E-08	2.08E-09	7.72E-09	6.79E-10	1.05E-08	2.36E-10	1.35E-09	1.61E-10	1.75E-09	2.15E-10	7.08E-10	4.88E-11	9.72E-10
10033	471218.7	3820487.44	2.51E-09	1.06E-08	9.50E-10	1.40E-08	2.09E-09	7.76E-09	6.82E-10	1.05E-08	2.37E-10	1.36E-09	1.62E-10	1.76E-09	2.16E-10	7.11E-10	4.90E-11	9.76E-10
10034	471209.81	3820490.99	2.52E-09	1.06E-08	9.55E-10	1.41E-08	2.10E-09	7.79E-09	6.85E-10	1.06E-08	2.38E-10	1.36E-09	1.63E-10	1.77E-09	2.17E-10	7.14E-10	4.93E-11	9.80E-10
10035	471200.93	3820494.54	2.54E-09	1.06E-08	9.59E-10	1.41E-08	2.11E-09	7.82E-09	6.88E-10	1.06E-08	2.39E-10	1.37E-09	1.64E-10	1.77E-09	2.18E-10	7.18E-10	4.95E-11	9.85E-10
10036	471192.05	3820498.09	2.55E-09	1.07E-08	9.63E-10	1.42E-08	2.12E-09	7.86E-09	6.91E-10	1.07E-08	2.40E-10	1.38E-09	1.64E-10	1.78E-09	2.19E-10	7.21E-10	4.97E-11	9.89E-10
10037	471183.17	3820501.64	2.56E-09	1.07E-08	9.67E-10	1.43E-08	2.13E-09	7.89E-09	6.94E-10	1.07E-08	2.41E-10	1.38E-09	1.65E-10	1.79E-09	2.20E-10	7.24E-10	4.99E-11	9.93E-10
10038	471174.29	3820505.19	2.57E-09	1.08E-08	9.71E-10	1.43E-08	2.14E-09	7.92E-09	6.97E-10	1.08E-08	2.42E-10	1.39E-09	1.66E-10	1.80E-09	2.20E-10	7.27E-10	5.01E-11	9.97E-10
10039	471165.41	3820508.73	2.58E-09	1.08E-08	9.75E-10	1.44E-08	2.15E-09	7.95E-09	7.00E-10	1.08E-08	2.43E-10	1.39E-09	1.66E-10	1.80E-09	2.21E-10	7.30E-10	5.03E-11	1.00E-09
10040	471156.52	3820512.28	2.59E-09	1.09E-08	9.79E-10	1.44E-08	2.16E-09	7.99E-09	7.03E-10	1.08E-08	2.44E-10	1.40E-09	1.67E-10	1.81E-09	2.22E-10	7.33E-10	5.05E-11	1.01E-09
10041	471147.64	3820515.83	2.60E-09	1.09E-08	9.83E-10	1.45E-08	2.16E-09	8.02E-09	7.05E-10	1.09E-08	2.45E-10	1.40E-09	1.68E-10	1.82E-09	2.23E-10	7.35E-10	5.07E-11	1.01E-09
10042	471138.76	3820519.38	2.61E-09	1.10E-08	9.87E-10	1.46E-08	2.17E-09	8.05E-09	7.08E-10	1.09E-08	2.46E-10	1.41E-09	1.68E-10	1.82E-09	2.24E-10	7.38E-10	5.09E-11	1.01E-09
10043	471129.88	3820522.93	2.62E-09	1.10E-08	9.90E-10	1.46E-08	2.18E-09	8.08E-09	7.11E-10	1.10E-08	2.47E-10	1.42E-09	1.69E-10	1.83E-09	2.25E-10	7.41E-10	5.11E-11	1.02E-09

10044	471121	3820526.48	2.63E-09	1.10E-08	9.94E-10	1.47E-08	2.19E-09	8.11E-09	7.14E-10	1.10E-08	2.48E-10	1.42E-09	1.70E-10	1.84E-09	2.26E-10	7.44E-10	5.13E-11	1.02E-09
10045	471112.12	3820530.03	2.64E-09	1.11E-08	9.98E-10	1.47E-08	2.20E-09	8.14E-09	7.16E-10	1.11E-08	2.49E-10	1.43E-09	1.70E-10	1.85E-09	2.26E-10	7.47E-10	5.15E-11	1.02E-09
10046	471049.95	3820554.87	2.71E-09	1.14E-08	1.03E-09	1.51E-08	2.26E-09	8.37E-09	7.36E-10	1.14E-08	2.56E-10	1.47E-09	1.75E-10	1.90E-09	2.33E-10	7.68E-10	5.29E-11	1.05E-09
10047	471041.06	3820558.42	2.72E-09	1.14E-08	1.03E-09	1.52E-08	2.27E-09	8.41E-09	7.40E-10	1.14E-08	2.57E-10	1.47E-09	1.76E-10	1.91E-09	2.34E-10	7.71E-10	5.32E-11	1.06E-09
10048	471032.18	3820561.96	2.74E-09	1.15E-08	1.03E-09	1.53E-08	2.28E-09	8.44E-09	7.43E-10	1.15E-08	2.58E-10	1.48E-09	1.76E-10	1.91E-09	2.35E-10	7.74E-10	5.34E-11	1.06E-09
10049	471023.3	3820565.51	2.75E-09	1.15E-08	1.04E-09	1.53E-08	2.29E-09	8.48E-09	7.46E-10	1.15E-08	2.59E-10	1.49E-09	1.77E-10	1.92E-09	2.36E-10	7.78E-10	5.36E-11	1.07E-09
10050	471014.42	3820569.06	2.76E-09	1.16E-08	1.04E-09	1.54E-08	2.30E-09	8.52E-09	7.49E-10	1.16E-08	2.61E-10	1.49E-09	1.78E-10	1.93E-09	2.37E-10	7.81E-10	5.38E-11	1.07E-09
10051	471005.54	3820572.61	2.77E-09	1.16E-08	1.05E-09	1.55E-08	2.31E-09	8.56E-09	7.53E-10	1.16E-08	2.62E-10	1.50E-09	1.79E-10	1.94E-09	2.38E-10	7.85E-10	5.41E-11	1.08E-09
10052	470996.66	3820576.16	2.79E-09	1.17E-08	1.05E-09	1.55E-08	2.32E-09	8.60E-09	7.57E-10	1.17E-08	2.63E-10	1.51E-09	1.80E-10	1.95E-09	2.39E-10	7.89E-10	5.44E-11	1.08E-09
10053	470987.77	3820579.71	2.80E-09	1.18E-08	1.06E-09	1.56E-08	2.33E-09	8.65E-09	7.61E-10	1.17E-08	2.65E-10	1.52E-09	1.81E-10	1.96E-09	2.41E-10	7.93E-10	5.47E-11	1.09E-09
10054	470978.89	3820583.26	2.82E-09	1.18E-08	1.07E-09	1.57E-08	2.35E-09	8.70E-09	7.65E-10	1.18E-08	2.66E-10	1.52E-09	1.82E-10	1.97E-09	2.42E-10	7.98E-10	5.50E-11	1.10E-09
10055	470970.01	3820586.8	2.83E-09	1.19E-08	1.07E-09	1.58E-08	2.36E-09	8.75E-09	7.69E-10	1.19E-08	2.68E-10	1.53E-09	1.83E-10	1.98E-09	2.43E-10	8.02E-10	5.53E-11	1.10E-09
10056	470961.13	3820590.35	2.85E-09	1.20E-08	1.08E-09	1.59E-08	2.38E-09	8.80E-09	7.74E-10	1.19E-08	2.69E-10	1.54E-09	1.84E-10	1.99E-09	2.45E-10	8.07E-10	5.56E-11	1.11E-09
10057	470952.25	3820593.9	2.87E-09	1.20E-08	1.08E-09	1.60E-08	2.39E-09	8.85E-09	7.79E-10	1.20E-08	2.71E-10	1.55E-09	1.85E-10	2.01E-09	2.46E-10	8.12E-10	5.60E-11	1.11E-09
10058	470872.31	3820625.84	3.07E-09	1.29E-08	1.16E-09	1.71E-08	2.56E-09	9.47E-09	8.33E-10	1.29E-08	2.90E-10	1.66E-09	1.98E-10	2.15E-09	2.64E-10	8.69E-10	5.99E-11	1.19E-09
10059	470863.43	3820629.39	3.10E-09	1.30E-08	1.17E-09	1.73E-08	2.58E-09	9.55E-09	8.41E-10	1.30E-08	2.92E-10	1.67E-09	2.00E-10	2.17E-09	2.66E-10	8.76E-10	6.04E-11	1.20E-09
10060	470854.55	3820632.94	3.12E-09	1.31E-08	1.18E-09	1.74E-08	2.60E-09	9.64E-09	8.48E-10	1.31E-08	2.95E-10	1.69E-09	2.01E-10	2.19E-09	2.68E-10	8.84E-10	6.10E-11	1.21E-09
10061	470845.67	3820636.48	3.15E-09	1.32E-08	1.19E-09	1.76E-08	2.63E-09	9.73E-09	8.56E-10	1.32E-08	2.98E-10	1.70E-09	2.03E-10	2.20E-09	2.71E-10	8.92E-10	6.15E-11	1.22E-09
10062	470836.79	3820640.03	3.18E-09	1.34E-08	1.20E-09	1.77E-08	2.65E-09	9.82E-09	8.64E-10	1.33E-08	3.00E-10	1.72E-09	2.05E-10	2.23E-09	2.73E-10	9.01E-10	6.21E-11	1.24E-09
10063	470827.91	3820643.58	3.21E-09	1.35E-08	1.21E-09	1.79E-08	2.67E-09	9.91E-09	8.71E-10	1.35E-08	3.03E-10	1.74E-09	2.07E-10	2.25E-09	2.76E-10	9.09E-10	6.26E-11	1.25E-09
10064	470819.02	3820647.13	3.24E-09	1.36E-08	1.23E-09	1.81E-08	2.70E-09	1.00E-08	8.79E-10	1.36E-08	3.06E-10	1.75E-09	2.09E-10	2.27E-09	2.78E-10	9.17E-10	6.32E-11	1.26E-09
10065	470810.14	3820650.68	3.27E-09	1.37E-08	1.24E-09	1.82E-08	2.72E-09	1.01E-08	8.87E-10	1.37E-08	3.09E-10	1.77E-09	2.11E-10	2.29E-09	2.81E-10	9.25E-10	6.38E-11	1.27E-09
10066	470801.26	3820654.23	3.30E-09	1.38E-08	1.25E-09	1.84E-08	2.75E-09	1.02E-08	8.95E-10	1.38E-08	3.11E-10	1.78E-09	2.13E-10	2.31E-09	2.83E-10	9.33E-10	6.43E-11	1.28E-09
10067	470792.38	3820657.78	3.32E-09	1.40E-08	1.26E-09	1.85E-08	2.77E-09	1.03E-08	9.03E-10	1.39E-08	3.14E-10	1.80E-09	2.14E-10	2.33E-09	2.85E-10	9.41E-10	6.49E-11	1.29E-09
10068	470783.5	3820661.32	3.35E-09	1.41E-08	1.27E-09	1.87E-08	2.79E-09	1.03E-08	9.10E-10	1.40E-08	3.17E-10	1.81E-09	2.16E-10	2.35E-09	2.88E-10	9.49E-10	6.54E-11	1.30E-09
10069	470774.62	3820664.87	3.38E-09	1.42E-08	1.28E-09	1.89E-08	2.82E-09	1.04E-08	9.18E-10	1.42E-08	3.19E-10	1.83E-09	2.18E-10	2.37E-09	2.90E-10	9.57E-10	6.60E-11	1.31E-09
10070	470765.73	3820668.42	3.41E-09	1.43E-08	1.29E-09	1.90E-08	2.84E-09	1.05E-08	9.26E-10	1.43E-08	3.22E-10	1.84E-09	2.20E-10	2.39E-09	2.93E-10	9.66E-10	6.66E-11	1.33E-09
10071	470756.85	3820671.97	3.44E-09	1.45E-08	1.30E-09	1.92E-08	2.87E-09	1.06E-08	9.34E-10	1.44E-08	3.25E-10	1.86E-09	2.22E-10	2.41E-09	2.96E-10	9.74E-10	6.72E-11	1.34E-09
10072	470747.97	3820675.52	3.47E-09	1.46E-08	1.31E-09	1.94E-08	2.89E-09	1.07E-08	9.43E-10	1.46E-08	3.28E-10	1.88E-09	2.24E-10	2.43E-09	2.98E-10	9.83E-10	6.78E-11	1.35E-09
10073	470739.09	3820679.07	3.50E-09	1.47E-08	1.32E-09	1.95E-08	2.92E-09	1.08E-08	9.51E-10	1.47E-08	3.31E-10	1.89E-09	2.26E-10	2.45E-09	3.01E-10	9.92E-10	6.84E-11	1.36E-09
10074	470730.21	3820682.62	3.53E-09	1.48E-08	1.34E-09	1.97E-08	2.94E-09	1.09E-08	9.59E-10	1.48E-08	3.34E-10	1.91E-09	2.28E-10	2.47E-09	3.03E-10	1.00E-09	6.90E-11	1.37E-09
10075	470721.33	3820686.16	3.56E-09	1.50E-08	1.35E-09	1.99E-08	2.97E-09	1.10E-08	9.68E-10	1.49E-08	3.37E-10	1.93E-09	2.30E-10	2.49E-09	3.06E-10	1.01E-09	6.96E-11	1.38E-09
10076	470712.44	3820689.71	3.59E-09	1.51E-08	1.36E-09	2.00E-08	2.99E-09	1.11E-08	9.75E-10	1.51E-08	3.39E-10	1.94E-09	2.32E-10	2.51E-09	3.08E-10	1.02E-09	7.01E-11	1.40E-09
10077	470703.56	3820693.26	3.62E-09	1.52E-08	1.37E-09	2.02E-08	3.02E-09	1.12E-08	9.84E-10	1.52E-08	3.42E-10	1.96E-09	2.34E-10	2.54E-09	3.11E-10	1.03E-09	7.07E-11	1.41E-09
10078	470694.68	3820696.81	3.66E-09	1.54E-08	1.38E-09	2.04E-08	3.04E-09	1.13E-08	9.92E-10	1.53E-08	3.45E-10	1.98E-09	2.36E-10	2.56E-09	3.14E-10	1.03E-09	7.13E-11	1.42E-09
10079	470685.8	3820700.36	3.69E-09	1.55E-08	1.39E-09	2.06E-08	3.07E-09	1.14E-08	1.00E-09	1.54E-08	3.48E-10	1.99E-09	2.38E-10	2.58E-09	3.16E-10	1.04E-09	7.19E-11	1.43E-09
10080	470676.92	3820703.91	3.72E-09	1.56E-08	1.41E-09	2.07E-08	3.09E-09	1.15E-08	1.01E-09	1.56E-08	3.51E-10	2.01E-09	2.40E-10	2.60E-09	3.19E-10	1.05E-09	7.25E-11	1.44E-09
10081	470668.04	3820707.46	3.74E-09	1.57E-08	1.42E-09	2.09E-08	3.12E-09	1.15E-08	1.02E-09	1.57E-08	3.53E-10	2.02E-09	2.41E-10	2.62E-09	3.21E-10	1.06E-09	7.30E-11	1.45E-09
10082	470659.16	3820711.01	3.77E-09	1.58E-08	1.43E-09	2.10E-08	3.14E-09	1.16E-08	1.02E-09	1.58E-08	3.56E-10	2.04E-09	2.43E-10	2.64E-09	3.24E-10	1.07E-09	7.36E-11	1.46E-09
10083	470650.27	3820714.55	3.80E-09	1.59E-08	1.44E-09	2.12E-08	3.16E-09	1.17E-08	1.03E-09	1.59E-08	3.59E-10	2.05E-09	2.45E-10	2.66E-09	3.26E-10	1.07E-09	7.41E-11	1.47E-09
10084	470641.39	3820718.1	3.82E-09	1.60E-08	1.45E-09	2.13E-08	3.18E-09	1.18E-08	1.04E-09	1.60E-08	3.61E-10	2.07E-09	2.46E-10	2.67E-09	3.28E-10	1.08E-09	7.46E-11	1.48E-09
10085	470632.51	3820721.65	3.84E-09	1.61E-08	1.45E-09	2.14E-08	3.20E-09	1.19E-08	1.04E-09	1.61E-08	3.63E-10	2.08E-09	2.48E-10	2.69E-09	3.30E-10	1.09E-09	7.50E-11	1.49E-09
10086	470623.63	3820725.2	3.87E-09	1.62E-08	1.46E-09	2.16E-08	3.22E-09	1.19E-08	1.05E-09	1.62E-08	3.65E-10	2.09E-09	2.49E-10	2.70E-09	3.32E-10	1.09E-09	7.55E-11	1.50E-09
10087	470614.75	3820728.75	3.89E-09	1.63E-08	1.47E-09	2.17E-08	3.24E-09	1.20E-08	1.06E-09	1.63E-08	3.67E-10	2.10E-09	2.51E-10	2.72E-09	3.34E-10	1.10E-09	7.59E-11	1.51E-09
10088	470605.87	3820732.3	3.92E-09	1.64E-08	1.48E-09	2.18E-08	3.26E-09	1.21E-08	1.06E-09	1.64E-08	3.70E-10	2.12E-09	2.53E-10	2.74E-09	3.36E-10	1.11E-09	7.64E-11	1.52E-09
10089	470596.98	3820735.85	3.94E-09	1.65E-08	1.49E-09	2.20E-08	3.28E-09	1.22E-08	1.07E-09	1.65E-08	3.72E-10	2.13E-09	2.54E-10	2.76E-09	3.38E-10	1.12E-09	7.69E-11	1.53E-09
10090	470588.1	3820739.39	3.96E-09	1.66E-08	1.50E-09	2.21E-08	3.30E-09	1.22E-08	1.08E-09	1.66E-08	3.74E-10	2.14E-09	2.55E-10	2.77E-09	3.40E-10	1.12E-09	7.73E-11	1.54E-09
10091	470579.22	3820742.94	3.98E-09	1.67E-08	1.50E-09	2.22E-08	3.31E-09	1.23E-08	1.08E-09	1.67E-08	3.76E-10	2.15E-09	2.57E-10	2.78E-09	3.41E-10	1.13E-09	7.76E-11	1.55E-09
10092	470570.34	3820746.49	3.99E-09	1.68E-08	1.51E-09	2.23E-08	3.33E-09	1.23E-08	1.08E-09	1.67E-08	3.77E-10	2.16E-09	2.58E-10	2.79E-09	3.43E-10	1.13E-09	7.79E-11	1.55E-09
10093	470561.46	3820750.04	4.01E-09	1.68E-08	1.52E-09	2.24E-08	3.34E-09	1.24E-08	1.09E-09	1.68E-08	3.79E-10	2.17E-09	2.59E-10	2.80E-09	3.44E-10	1.13E-09	7.82E-11	1.56E-09
10094	470552.58	3820753.59	4.02E-09	1.69E-08	1.52E-09	2.24E-08	3.35E-09	1.24E-08	1.09E-09	1.68E-08	3.79E-10	2.17E-09	2.59E-10	2.81E-09	3.45E-10	1.14E-09	7.84E-11	1.56E-09

10095	470543.69	3820757.14	4.03E-09	1.69E-08	1.52E-09	2.25E-08	3.35E-09	1.24E-08	1.09E-09	1.69E-08	3.80E-10	2.18E-09	2.60E-10	2.82E-09	3.46E-10	1.14E-09	7.86E-11	1.56E-09
10096	470534.81	3820760.69	4.03E-09	1.69E-08	1.53E-09	2.25E-08	3.36E-09	1.24E-08	1.09E-09	1.69E-08	3.81E-10	2.18E-09	2.60E-10	2.82E-09	3.46E-10	1.14E-09	7.87E-11	1.57E-09
10097	470525.93	3820764.23	4.04E-09	1.70E-08	1.53E-09	2.25E-08	3.37E-09	1.25E-08	1.10E-09	1.69E-08	3.82E-10	2.18E-09	2.61E-10	2.83E-09	3.47E-10	1.14E-09	7.89E-11	1.57E-09
10098	470517.05	3820767.78	4.05E-09	1.70E-08	1.53E-09	2.26E-08	3.37E-09	1.25E-08	1.10E-09	1.70E-08	3.82E-10	2.19E-09	2.61E-10	2.83E-09	3.48E-10	1.15E-09	7.90E-11	1.57E-09
10099	470508.17	3820771.33	4.05E-09	1.70E-08	1.53E-09	2.26E-08	3.38E-09	1.25E-08	1.10E-09	1.70E-08	3.83E-10	2.19E-09	2.62E-10	2.84E-09	3.48E-10	1.15E-09	7.91E-11	1.57E-09
10100	470499.29	3820774.88	4.06E-09	1.71E-08	1.54E-09	2.27E-08	3.38E-09	1.25E-08	1.10E-09	1.70E-08	3.83E-10	2.20E-09	2.62E-10	2.84E-09	3.49E-10	1.15E-09	7.92E-11	1.58E-09
10101	470490.4	3820778.43	4.07E-09	1.71E-08	1.54E-09	2.27E-08	3.39E-09	1.26E-08	1.10E-09	1.70E-08	3.84E-10	2.20E-09	2.62E-10	2.85E-09	3.49E-10	1.15E-09	7.94E-11	1.58E-09
10102	470481.52	3820781.98	4.07E-09	1.71E-08	1.54E-09	2.27E-08	3.39E-09	1.26E-08	1.11E-09	1.71E-08	3.85E-10	2.20E-09	2.63E-10	2.85E-09	3.50E-10	1.15E-09	7.95E-11	1.58E-09
10103	470472.64	3820785.53	4.08E-09	1.71E-08	1.54E-09	2.28E-08	3.40E-09	1.26E-08	1.11E-09	1.71E-08	3.85E-10	2.21E-09	2.63E-10	2.85E-09	3.50E-10	1.16E-09	7.96E-11	1.59E-09
10104	470463.76	3820789.07	4.09E-09	1.72E-08	1.55E-09	2.28E-08	3.40E-09	1.26E-08	1.11E-09	1.71E-08	3.86E-10	2.21E-09	2.64E-10	2.86E-09	3.51E-10	1.16E-09	7.97E-11	1.59E-09
10105	470454.88	3820792.62	4.09E-09	1.72E-08	1.55E-09	2.28E-08	3.41E-09	1.26E-08	1.11E-09	1.71E-08	3.86E-10	2.21E-09	2.64E-10	2.86E-09	3.51E-10	1.16E-09	7.98E-11	1.59E-09
10106	470446	3820796.17	4.10E-09	1.72E-08	1.55E-09	2.29E-08	3.41E-09	1.26E-08	1.11E-09	1.72E-08	3.87E-10	2.22E-09	2.64E-10	2.87E-09	3.52E-10	1.16E-09	8.00E-11	1.59E-09
10107	470437.12	3820799.72	4.10E-09	1.72E-08	1.55E-09	2.29E-08	3.42E-09	1.27E-08	1.11E-09	1.72E-08	3.87E-10	2.22E-09	2.65E-10	2.87E-09	3.52E-10	1.16E-09	8.01E-11	1.59E-09
10108	470428.23	3820803.27	4.11E-09	1.73E-08	1.55E-09	2.29E-08	3.42E-09	1.27E-08	1.12E-09	1.72E-08	3.88E-10	2.22E-09	2.65E-10	2.88E-09	3.53E-10	1.16E-09	8.02E-11	1.60E-09
10109	470419.35	3820806.82	4.12E-09	1.73E-08	1.56E-09	2.30E-08	3.43E-09	1.27E-08	1.12E-09	1.73E-08	3.89E-10	2.23E-09	2.66E-10	2.88E-09	3.53E-10	1.17E-09	8.03E-11	1.60E-09
10110	470410.47	3820810.37	4.12E-09	1.73E-08	1.56E-09	2.30E-08	3.44E-09	1.27E-08	1.12E-09	1.73E-08	3.90E-10	2.23E-09	2.66E-10	2.89E-09	3.54E-10	1.17E-09	8.05E-11	1.60E-09
10111	470401.59	3820813.91	4.13E-09	1.73E-08	1.56E-09	2.30E-08	3.44E-09	1.27E-08	1.12E-09	1.73E-08	3.90E-10	2.23E-09	2.66E-10	2.89E-09	3.55E-10	1.17E-09	8.06E-11	1.60E-09
10112	470392.71	3820817.46	4.14E-09	1.74E-08	1.56E-09	2.31E-08	3.45E-09	1.28E-08	1.12E-09	1.73E-08	3.91E-10	2.24E-09	2.67E-10	2.89E-09	3.55E-10	1.17E-09	8.07E-11	1.61E-09
10113	470383.83	3820821.01	4.14E-09	1.74E-08	1.57E-09	2.31E-08	3.45E-09	1.28E-08	1.12E-09	1.74E-08	3.91E-10	2.24E-09	2.67E-10	2.90E-09	3.56E-10	1.17E-09	8.09E-11	1.61E-09
10114	470374.94	3820824.56	4.15E-09	1.74E-08	1.57E-09	2.32E-08	3.46E-09	1.28E-08	1.13E-09	1.74E-08	3.92E-10	2.24E-09	2.68E-10	2.90E-09	3.56E-10	1.17E-09	8.10E-11	1.61E-09
10115	470366.06	3820828.11	4.16E-09	1.75E-08	1.57E-09	2.32E-08	3.46E-09	1.28E-08	1.13E-09	1.74E-08	3.93E-10	2.25E-09	2.68E-10	2.91E-09	3.57E-10	1.18E-09	8.12E-11	1.62E-09
10116	470295.01	3820856.5	4.25E-09	1.79E-08	1.61E-09	2.37E-08	3.54E-09	1.31E-08	1.15E-09	1.78E-08	4.02E-10	2.30E-09	2.74E-10	2.98E-09	3.65E-10	1.20E-09	8.30E-11	1.65E-09
10117	470286.13	3820860.05	4.27E-09	1.79E-08	1.61E-09	2.38E-08	3.55E-09	1.32E-08	1.16E-09	1.79E-08	4.03E-10	2.31E-09	2.75E-10	2.99E-09	3.66E-10	1.21E-09	8.33E-11	1.66E-09
10118	470277.25	3820863.6	4.28E-09	1.80E-08	1.62E-09	2.39E-08	3.57E-09	1.32E-08	1.16E-09	1.79E-08	4.04E-10	2.31E-09	2.76E-10	3.00E-09	3.68E-10	1.21E-09	8.36E-11	1.66E-09
10119	470268.36	3820867.14	4.30E-09	1.81E-08	1.63E-09	2.40E-08	3.58E-09	1.33E-08	1.17E-09	1.80E-08	4.06E-10	2.32E-09	2.77E-10	3.01E-09	3.69E-10	1.22E-09	8.39E-11	1.67E-09
10120	471699.2	3819463.01	2.14E-09	8.99E-09	8.09E-10	1.19E-08	1.78E-09	6.60E-09	5.81E-10	8.97E-09	2.02E-10	1.16E-09	1.38E-10	1.50E-09	1.84E-10	6.06E-10	4.18E-11	8.31E-10
10121	471699.28	3819453.36	2.14E-09	8.97E-09	8.07E-10	1.19E-08	1.78E-09	6.59E-09	5.80E-10	8.95E-09	2.02E-10	1.15E-09	1.38E-10	1.49E-09	1.83E-10	6.04E-10	4.17E-11	8.29E-10
10122	471699.36	3819443.71	2.13E-09	8.94E-09	8.05E-10	1.19E-08	1.77E-09	6.57E-09	5.78E-10	8.92E-09	2.01E-10	1.15E-09	1.37E-10	1.49E-09	1.83E-10	6.03E-10	4.15E-11	8.27E-10
10123	471699.45	3819434.06	2.12E-09	8.91E-09	8.03E-10	1.18E-08	1.77E-09	6.55E-09	5.76E-10	8.90E-09	2.00E-10	1.15E-09	1.37E-10	1.48E-09	1.82E-10	6.01E-10	4.14E-11	8.25E-10
10124	471699.53	3819424.41	2.12E-09	8.88E-09	8.00E-10	1.18E-08	1.76E-09	6.53E-09	5.74E-10	8.86E-09	2.00E-10	1.14E-09	1.36E-10	1.48E-09	1.82E-10	5.99E-10	4.13E-11	8.22E-10
10125	471699.61	3819414.76	2.11E-09	8.85E-09	7.97E-10	1.18E-08	1.76E-09	6.50E-09	5.72E-10	8.83E-09	1.99E-10	1.14E-09	1.36E-10	1.47E-09	1.81E-10	5.97E-10	4.11E-11	8.19E-10
10126	471699.69	3819405.12	2.10E-09	8.82E-09	7.94E-10	1.17E-08	1.75E-09	6.48E-09	5.70E-10	8.80E-09	1.98E-10	1.13E-09	1.35E-10	1.47E-09	1.80E-10	5.94E-10	4.10E-11	8.15E-10
10127	471699.78	3819395.47	2.09E-09	8.78E-09	7.91E-10	1.17E-08	1.74E-09	6.45E-09	5.68E-10	8.76E-09	1.97E-10	1.13E-09	1.35E-10	1.46E-09	1.79E-10	5.92E-10	4.08E-11	8.12E-10
10128	471699.86	3819385.82	2.08E-09	8.74E-09	7.87E-10	1.16E-08	1.73E-09	6.42E-09	5.65E-10	8.72E-09	1.97E-10	1.13E-09	1.34E-10	1.46E-09	1.79E-10	5.89E-10	4.06E-11	8.09E-10
10129	471699.94	3819376.17	2.07E-09	8.70E-09	7.83E-10	1.16E-08	1.73E-09	6.39E-09	5.62E-10	8.68E-09	1.96E-10	1.12E-09	1.34E-10	1.45E-09	1.78E-10	5.86E-10	4.04E-11	8.05E-10
10130	471700.03	3819366.52	2.06E-09	8.66E-09	7.79E-10	1.15E-08	1.72E-09	6.36E-09	5.59E-10	8.64E-09	1.95E-10	1.11E-09	1.33E-10	1.44E-09	1.77E-10	5.83E-10	4.02E-11	8.01E-10
10131	471700.11	3819356.88	2.05E-09	8.61E-09	7.75E-10	1.14E-08	1.71E-09	6.33E-09	5.57E-10	8.59E-09	1.94E-10	1.11E-09	1.32E-10	1.43E-09	1.76E-10	5.80E-10	4.00E-11	7.96E-10
10132	471700.19	3819347.23	2.04E-09	8.56E-09	7.71E-10	1.14E-08	1.70E-09	6.29E-09	5.53E-10	8.54E-09	1.92E-10	1.10E-09	1.31E-10	1.43E-09	1.75E-10	5.77E-10	3.98E-11	7.91E-10
10133	471700.27	3819337.58	2.03E-09	8.51E-09	7.66E-10	1.13E-08	1.69E-09	6.25E-09	5.50E-10	8.49E-09	1.91E-10	1.10E-09	1.31E-10	1.42E-09	1.74E-10	5.74E-10	3.95E-11	7.87E-10
10134	471700.36	3819327.93	2.01E-09	8.45E-09	7.61E-10	1.12E-08	1.68E-09	6.21E-09	5.46E-10	8.43E-09	1.90E-10	1.09E-09	1.30E-10	1.41E-09	1.73E-10	5.70E-10	3.93E-11	7.82E-10
10135	471700.44	3819318.28	2.00E-09	8.39E-09	7.56E-10	1.11E-08	1.66E-09	6.17E-09	5.43E-10	8.37E-09	1.89E-10	1.08E-09	1.29E-10	1.40E-09	1.72E-10	5.66E-10	3.90E-11	7.76E-10
10136	471700.52	3819308.63	1.98E-09	8.34E-09	7.51E-10	1.11E-08	1.65E-09	6.13E-09	5.39E-10	8.32E-09	1.87E-10	1.07E-09	1.28E-10	1.39E-09	1.70E-10	5.62E-10	3.87E-11	7.71E-10
10137	471700.6	3819298.99	1.97E-09	8.27E-09	7.45E-10	1.10E-08	1.64E-09	6.08E-09	5.35E-10	8.25E-09	1.86E-10	1.06E-09	1.27E-10	1.38E-09	1.69E-10	5.58E-10	3.84E-11	7.65E-10
10138	471700.69	3819289.34	1.95E-09	8.21E-09	7.39E-10	1.09E-08	1.63E-09	6.03E-09	5.30E-10	8.19E-09	1.85E-10	1.06E-09	1.26E-10	1.37E-09	1.68E-10	5.53E-10	3.81E-11	7.59E-10
10139	471700.77	3819279.69	1.94E-09	8.14E-09	7.33E-10	1.08E-08	1.61E-09	5.98E-09	5.26E-10	8.12E-09	1.83E-10	1.05E-09	1.25E-10	1.36E-09	1.66E-10	5.49E-10	3.78E-11	7.53E-10
10140	471700.85	3819270.04	1.92E-09	8.07E-09	7.27E-10	1.07E-08	1.60E-09	5.93E-09	5.21E-10	8.05E-09	1.81E-10	1.04E-09	1.24E-10	1.34E-09	1.65E-10	5.44E-10	3.75E-11	7.46E-10
10141	471700.94	3819260.39	1.90E-09	8.00E-09	7.20E-10	1.06E-08	1.59E-09	5.88E-09	5.17E-10	7.98E-09	1.80E-10	1.03E-09	1.23E-10	1.33E-09	1.63E-10	5.39E-10	3.72E-11	7.40E-10
10142	471775.43	3819472.52	1.94E-09	8.14E-09	7.33E-10	1.08E-08	1.61E-09	5.98E-09	5.26E-10	8.12E-09	1.83E-10	1.05E-09	1.25E-10	1.36E-09	1.66E-10	5.48E-10	3.78E-11	7.53E-10
10143	471771.67	3819481.35	1.95E-09	8.19E-09	7.38E-10	1.09E-08	1.62E-09	6.02E-09	5.30E-10	8.17E-09	1.84E-10	1.05E-09	1.26E-10	1.36E-09	1.67E-10	5.52E-10	3.81E-11	7.58E-10
10144	471767.91	3819490.18	1.96E-09	8.25E-09	7.43E-10	1.10E-08	1.64E-09	6.06E-09	5.33E-10	8.23E-09	1.85E-10	1.06E-09	1.27E-10	1.37E-09	1.69E-10	5.56E-10	3.83E-11	7.63E-10
10145	471764.15	3819499.01	1.98E-09	8.30E-09	7.47E-10	1.10E-08	1.65E-09	6.10E-09	5.36E-10	8.28E-09	1.87E-10	1.07E-09	1.27E-10	1.38E-09	1.70E-10	5.59E-10	3.86E-11	7.68E-10

10146	471760.39	3819507.84	1.99E-09	8.35E-09	7.52E-10	1.11E-08	1.66E-09	6.14E-09	5.40E-10	8.33E-09	1.88E-10	1.07E-09	1.28E-10	1.39E-09	1.71E-10	5.63E-10	3.88E-11	7.72E-10
10147	471756.63	3819516.67	2.00E-09	8.40E-09	7.56E-10	1.12E-08	1.67E-09	6.17E-09	5.43E-10	8.38E-09	1.89E-10	1.08E-09	1.29E-10	1.40E-09	1.72E-10	5.66E-10	3.90E-11	7.77E-10
10148	471752.87	3819525.5	2.01E-09	8.45E-09	7.61E-10	1.12E-08	1.68E-09	6.21E-09	5.46E-10	8.43E-09	1.90E-10	1.09E-09	1.30E-10	1.41E-09	1.73E-10	5.70E-10	3.93E-11	7.82E-10
10149	471749.11	3819534.34	2.02E-09	8.50E-09	7.65E-10	1.13E-08	1.69E-09	6.25E-09	5.49E-10	8.48E-09	1.91E-10	1.09E-09	1.31E-10	1.42E-09	1.74E-10	5.73E-10	3.95E-11	7.86E-10
10150	471745.35	3819543.17	2.04E-09	8.55E-09	7.70E-10	1.14E-08	1.70E-09	6.28E-09	5.53E-10	8.53E-09	1.92E-10	1.10E-09	1.31E-10	1.42E-09	1.75E-10	5.76E-10	3.97E-11	7.91E-10
10151	471741.59	3819552	2.05E-09	8.60E-09	7.74E-10	1.14E-08	1.71E-09	6.32E-09	5.56E-10	8.58E-09	1.93E-10	1.11E-09	1.32E-10	1.43E-09	1.76E-10	5.80E-10	3.99E-11	7.95E-10
10152	471737.83	3819560.83	2.06E-09	8.64E-09	7.78E-10	1.15E-08	1.71E-09	6.35E-09	5.59E-10	8.62E-09	1.94E-10	1.11E-09	1.33E-10	1.44E-09	1.77E-10	5.83E-10	4.02E-11	7.99E-10
10153	471734.07	3819569.66	2.07E-09	8.69E-09	7.83E-10	1.15E-08	1.72E-09	6.39E-09	5.62E-10	8.67E-09	1.95E-10	1.12E-09	1.33E-10	1.45E-09	1.78E-10	5.86E-10	4.04E-11	8.04E-10
10154	471730.31	3819578.49	2.08E-09	8.74E-09	7.87E-10	1.16E-08	1.73E-09	6.42E-09	5.65E-10	8.72E-09	1.96E-10	1.12E-09	1.34E-10	1.46E-09	1.79E-10	5.89E-10	4.06E-11	8.08E-10
10155	471726.55	3819587.32	2.09E-09	8.78E-09	7.91E-10	1.17E-08	1.74E-09	6.45E-09	5.68E-10	8.76E-09	1.97E-10	1.13E-09	1.35E-10	1.46E-09	1.80E-10	5.92E-10	4.08E-11	8.12E-10
10156	471722.78	3819596.15	2.10E-09	8.83E-09	7.95E-10	1.17E-08	1.75E-09	6.49E-09	5.71E-10	8.81E-09	1.99E-10	1.14E-09	1.36E-10	1.47E-09	1.80E-10	5.95E-10	4.10E-11	8.17E-10
10157	471719.02	3819604.98	2.11E-09	8.87E-09	7.99E-10	1.18E-08	1.76E-09	6.52E-09	5.73E-10	8.85E-09	1.99E-10	1.14E-09	1.36E-10	1.48E-09	1.81E-10	5.98E-10	4.12E-11	8.21E-10
10158	471715.26	3819613.81	2.12E-09	8.92E-09	8.03E-10	1.18E-08	1.77E-09	6.55E-09	5.76E-10	8.90E-09	2.01E-10	1.15E-09	1.37E-10	1.49E-09	1.82E-10	6.01E-10	4.14E-11	8.25E-10
10159	471711.5	3819622.64	2.13E-09	8.96E-09	8.07E-10	1.19E-08	1.78E-09	6.58E-09	5.79E-10	8.94E-09	2.01E-10	1.15E-09	1.38E-10	1.49E-09	1.83E-10	6.04E-10	4.16E-11	8.29E-10
10160	471707.74	3819631.47	2.14E-09	9.00E-09	8.11E-10	1.20E-08	1.79E-09	6.62E-09	5.82E-10	8.98E-09	2.02E-10	1.16E-09	1.38E-10	1.50E-09	1.84E-10	6.07E-10	4.18E-11	8.33E-10
10161	471703.98	3819640.3	2.15E-09	9.05E-09	8.15E-10	1.20E-08	1.79E-09	6.65E-09	5.85E-10	9.03E-09	2.03E-10	1.16E-09	1.39E-10	1.51E-09	1.85E-10	6.10E-10	4.20E-11	8.37E-10
10162	471700.22	3819649.13	2.16E-09	9.09E-09	8.19E-10	1.21E-08	1.80E-09	6.68E-09	5.88E-10	9.07E-09	2.04E-10	1.17E-09	1.40E-10	1.51E-09	1.86E-10	6.13E-10	4.22E-11	8.41E-10
10163	471696.46	3819657.96	2.17E-09	9.13E-09	8.23E-10	1.21E-08	1.81E-09	6.71E-09	5.90E-10	9.11E-09	2.05E-10	1.18E-09	1.40E-10	1.52E-09	1.87E-10	6.16E-10	4.24E-11	8.45E-10
10164	471688.94	3819675.62	2.20E-09	9.22E-09	8.30E-10	1.22E-08	1.83E-09	6.77E-09	5.96E-10	9.20E-09	2.07E-10	1.19E-09	1.42E-10	1.54E-09	1.88E-10	6.21E-10	4.28E-11	8.53E-10
10165	471685.18	3819684.45	2.21E-09	9.26E-09	8.34E-10	1.23E-08	1.84E-09	6.81E-09	5.99E-10	9.24E-09	2.08E-10	1.19E-09	1.42E-10	1.54E-09	1.89E-10	6.24E-10	4.30E-11	8.57E-10
10166	471681.42	3819693.28	2.22E-09	9.31E-09	8.38E-10	1.24E-08	1.85E-09	6.84E-09	6.02E-10	9.29E-09	2.09E-10	1.20E-09	1.43E-10	1.55E-09	1.90E-10	6.27E-10	4.32E-11	8.61E-10
10167	471677.66	3819702.11	2.23E-09	9.35E-09	8.42E-10	1.24E-08	1.85E-09	6.87E-09	6.04E-10	9.33E-09	2.10E-10	1.20E-09	1.44E-10	1.56E-09	1.91E-10	6.30E-10	4.34E-11	8.65E-10
10168	471673.9	3819710.95	2.24E-09	9.39E-09	8.46E-10	1.25E-08	1.86E-09	6.90E-09	6.07E-10	9.37E-09	2.11E-10	1.21E-09	1.44E-10	1.56E-09	1.92E-10	6.33E-10	4.36E-11	8.69E-10
10169	471670.14	3819719.78	2.25E-09	9.43E-09	8.50E-10	1.25E-08	1.87E-09	6.93E-09	6.10E-10	9.41E-09	2.12E-10	1.21E-09	1.45E-10	1.57E-09	1.93E-10	6.36E-10	4.38E-11	8.73E-10
10170	471666.37	3819728.61	2.26E-09	9.48E-09	8.53E-10	1.26E-08	1.88E-09	6.96E-09	6.13E-10	9.46E-09	2.13E-10	1.22E-09	1.46E-10	1.58E-09	1.94E-10	6.39E-10	4.40E-11	8.77E-10
10171	471662.61	3819737.44	2.27E-09	9.52E-09	8.57E-10	1.26E-08	1.89E-09	6.99E-09	6.15E-10	9.50E-09	2.14E-10	1.23E-09	1.46E-10	1.59E-09	1.95E-10	6.41E-10	4.42E-11	8.80E-10
10172	471658.85	3819746.27	2.28E-09	9.56E-09	8.61E-10	1.27E-08	1.90E-09	7.02E-09	6.18E-10	9.54E-09	2.15E-10	1.23E-09	1.47E-10	1.59E-09	1.95E-10	6.44E-10	4.44E-11	8.84E-10
10173	471655.09	3819755.1	2.29E-09	9.60E-09	8.65E-10	1.28E-08	1.90E-09	7.05E-09	6.21E-10	9.58E-09	2.16E-10	1.24E-09	1.47E-10	1.60E-09	1.96E-10	6.47E-10	4.46E-11	8.88E-10
10174	471651.33	3819763.93	2.30E-09	9.64E-09	8.68E-10	1.28E-08	1.91E-09	7.08E-09	6.23E-10	9.62E-09	2.17E-10	1.24E-09	1.48E-10	1.61E-09	1.97E-10	6.50E-10	4.48E-11	8.92E-10
10175	471647.57	3819772.76	2.31E-09	9.68E-09	8.72E-10	1.29E-08	1.92E-09	7.11E-09	6.26E-10	9.66E-09	2.18E-10	1.25E-09	1.49E-10	1.61E-09	1.98E-10	6.53E-10	4.50E-11	8.95E-10
10176	471643.81	3819781.59	2.31E-09	9.72E-09	8.75E-10	1.29E-08	1.93E-09	7.14E-09	6.28E-10	9.70E-09	2.19E-10	1.25E-09	1.49E-10	1.62E-09	1.99E-10	6.55E-10	4.52E-11	8.99E-10
10177	471640.05	3819790.42	2.32E-09	9.76E-09	8.79E-10	1.30E-08	1.94E-09	7.17E-09	6.31E-10	9.74E-09	2.19E-10	1.26E-09	1.50E-10	1.63E-09	1.99E-10	6.58E-10	4.53E-11	9.03E-10
10178	471636.29	3819799.25	2.33E-09	9.80E-09	8.82E-10	1.30E-08	1.94E-09	7.20E-09	6.33E-10	9.77E-09	2.20E-10	1.26E-09	1.50E-10	1.63E-09	2.00E-10	6.60E-10	4.55E-11	9.06E-10
10179	471632.53	3819808.08	2.34E-09	9.83E-09	8.86E-10	1.31E-08	1.95E-09	7.23E-09	6.36E-10	9.81E-09	2.21E-10	1.27E-09	1.51E-10	1.64E-09	2.01E-10	6.63E-10	4.57E-11	9.10E-10
10180	471628.77	3819816.91	2.35E-09	9.87E-09	8.89E-10	1.31E-08	1.96E-09	7.25E-09	6.38E-10	9.85E-09	2.22E-10	1.27E-09	1.52E-10	1.64E-09	2.02E-10	6.65E-10	4.59E-11	9.13E-10
10181	471625.01	3819825.74	2.36E-09	9.90E-09	8.92E-10	1.32E-08	1.96E-09	7.28E-09	6.40E-10	9.88E-09	2.23E-10	1.27E-09	1.52E-10	1.65E-09	2.02E-10	6.67E-10	4.60E-11	9.16E-10
10182	471621.25	3819834.57	2.37E-09	9.94E-09	8.95E-10	1.32E-08	1.97E-09	7.30E-09	6.42E-10	9.92E-09	2.23E-10	1.28E-09	1.53E-10	1.66E-09	2.03E-10	6.70E-10	4.62E-11	9.19E-10
10183	471617.49	3819843.4	2.37E-09	9.97E-09	8.98E-10	1.32E-08	1.98E-09	7.33E-09	6.44E-10	9.95E-09	2.24E-10	1.28E-09	1.53E-10	1.66E-09	2.04E-10	6.72E-10	4.63E-11	9.22E-10
10184	471602.44	3819878.73	2.40E-09	1.01E-08	9.08E-10	1.34E-08	2.00E-09	7.41E-09	6.52E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.68E-09	2.06E-10	6.80E-10	4.68E-11	9.32E-10
10185	471598.68	3819887.56	2.41E-09	1.01E-08	9.10E-10	1.34E-08	2.00E-09	7.43E-09	6.53E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.68E-09	2.07E-10	6.81E-10	4.70E-11	9.35E-10
10186	471594.92	3819896.39	2.41E-09	1.01E-08	9.12E-10	1.35E-08	2.01E-09	7.44E-09	6.55E-10	1.01E-08	2.28E-10	1.30E-09	1.56E-10	1.69E-09	2.07E-10	6.83E-10	4.71E-11	9.37E-10
10187	471591.16	3819905.22	2.42E-09	1.01E-08	9.14E-10	1.35E-08	2.01E-09	7.46E-09	6.56E-10	1.01E-08	2.28E-10	1.31E-09	1.56E-10	1.69E-09	2.07E-10	6.84E-10	4.72E-11	9.39E-10
10188	471587.4	3819914.05	2.42E-09	1.02E-08	9.15E-10	1.35E-08	2.02E-09	7.47E-09	6.57E-10	1.01E-08	2.29E-10	1.31E-09	1.56E-10	1.69E-09	2.08E-10	6.85E-10	4.72E-11	9.40E-10
10189	471583.64	3819922.88	2.42E-09	1.02E-08	9.17E-10	1.35E-08	2.02E-09	7.48E-09	6.58E-10	1.02E-08	2.29E-10	1.31E-09	1.56E-10	1.70E-09	2.08E-10	6.86E-10	4.73E-11	9.42E-10
10190	471579.88	3819931.71	2.43E-09	1.02E-08	9.18E-10	1.35E-08	2.02E-09	7.49E-09	6.59E-10	1.02E-08	2.29E-10	1.31E-09	1.57E-10	1.70E-09	2.08E-10	6.87E-10	4.74E-11	9.43E-10
10191	471576.12	3819940.54	2.43E-09	1.02E-08	9.20E-10	1.36E-08	2.03E-09	7.50E-09	6.60E-10	1.02E-08	2.30E-10	1.31E-09	1.57E-10	1.70E-09	2.09E-10	6.88E-10	4.74E-11	9.44E-10
10192	471572.36	3819949.37	2.43E-09	1.02E-08	9.21E-10	1.36E-08	2.03E-09	7.51E-09	6.61E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.70E-09	2.09E-10	6.89E-10	4.75E-11	9.46E-10
10193	471568.6	3819958.2	2.44E-09	1.02E-08	9.21E-10	1.36E-08	2.03E-09	7.52E-09	6.61E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.70E-09	2.09E-10	6.89E-10	4.75E-11	9.46E-10
10194	471564.84	3819967.03	2.44E-09	1.02E-08	9.22E-10	1.36E-08	2.03E-09	7.52E-09	6.62E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.71E-09	2.09E-10	6.90E-10	4.76E-11	9.47E-10
10195	471561.08	3819975.86	2.44E-09	1.02E-08	9.22E-10	1.36E-08	2.03E-09	7.52E-09	6.62E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.71E-09	2.09E-10	6.90E-10	4.76E-11	9.47E-10
10196	471557.31	3819984.69	2.44E-09	1.02E-08	9.22E-10	1.36E-08	2.03E-09	7.53E-09	6.62E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.71E-09	2.09E-10	6.90E-10	4.76E-11	9.47E-10

10197	471553.55	3819993.52	2.44E-09	1.02E-08	9.23E-10	1.36E-08	2.03E-09	7.53E-09	6.62E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.71E-09	2.09E-10	6.91E-10	4.76E-11	9.48E-10
10198	471549.79	3820002.35	2.44E-09	1.02E-08	9.23E-10	1.36E-08	2.03E-09	7.53E-09	6.62E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.71E-09	2.09E-10	6.91E-10	4.76E-11	9.48E-10
10199	471546.03	3820011.18	2.44E-09	1.02E-08	9.22E-10	1.36E-08	2.03E-09	7.53E-09	6.62E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.71E-09	2.09E-10	6.90E-10	4.76E-11	9.47E-10
10200	471542.27	3820020.01	2.44E-09	1.02E-08	9.22E-10	1.36E-08	2.03E-09	7.52E-09	6.62E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.71E-09	2.09E-10	6.90E-10	4.76E-11	9.47E-10
10201	471538.51	3820028.84	2.44E-09	1.02E-08	9.22E-10	1.36E-08	2.03E-09	7.52E-09	6.62E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.70E-09	2.09E-10	6.90E-10	4.76E-11	9.47E-10
10202	471534.75	3820037.67	2.44E-09	1.02E-08	9.21E-10	1.36E-08	2.03E-09	7.52E-09	6.61E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.70E-09	2.09E-10	6.89E-10	4.75E-11	9.46E-10
10203	471530.99	3820046.5	2.43E-09	1.02E-08	9.20E-10	1.36E-08	2.03E-09	7.51E-09	6.61E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.70E-09	2.09E-10	6.89E-10	4.75E-11	9.45E-10
10204	471527.23	3820055.34	2.43E-09	1.02E-08	9.20E-10	1.36E-08	2.03E-09	7.50E-09	6.60E-10	1.02E-08	2.30E-10	1.31E-09	1.57E-10	1.70E-09	2.09E-10	6.88E-10	4.74E-11	9.44E-10
10205	471523.47	3820064.17	2.43E-09	1.02E-08	9.19E-10	1.36E-08	2.02E-09	7.50E-09	6.60E-10	1.02E-08	2.29E-10	1.31E-09	1.57E-10	1.70E-09	2.09E-10	6.88E-10	4.74E-11	9.44E-10
10206	471519.71	3820073	2.43E-09	1.02E-08	9.18E-10	1.35E-08	2.02E-09	7.49E-09	6.59E-10	1.02E-08	2.29E-10	1.31E-09	1.57E-10	1.70E-09	2.08E-10	6.87E-10	4.74E-11	9.43E-10
10207	471515.95	3820081.83	2.42E-09	1.02E-08	9.17E-10	1.35E-08	2.02E-09	7.48E-09	6.58E-10	1.02E-08	2.29E-10	1.31E-09	1.56E-10	1.70E-09	2.08E-10	6.86E-10	4.73E-11	9.42E-10
10208	471512.19	3820090.66	2.42E-09	1.02E-08	9.15E-10	1.35E-08	2.02E-09	7.47E-09	6.57E-10	1.01E-08	2.29E-10	1.31E-09	1.56E-10	1.69E-09	2.08E-10	6.85E-10	4.72E-11	9.40E-10
10209	471508.43	3820099.49	2.42E-09	1.02E-08	9.14E-10	1.35E-08	2.01E-09	7.46E-09	6.56E-10	1.01E-08	2.28E-10	1.31E-09	1.56E-10	1.69E-09	2.08E-10	6.84E-10	4.72E-11	9.39E-10
10210	471504.67	3820108.32	2.41E-09	1.01E-08	9.13E-10	1.35E-08	2.01E-09	7.45E-09	6.55E-10	1.01E-08	2.28E-10	1.31E-09	1.56E-10	1.69E-09	2.07E-10	6.83E-10	4.71E-11	9.38E-10
10211	471500.9	3820117.15	2.41E-09	1.01E-08	9.12E-10	1.34E-08	2.01E-09	7.44E-09	6.54E-10	1.01E-08	2.28E-10	1.30E-09	1.56E-10	1.69E-09	2.07E-10	6.82E-10	4.70E-11	9.36E-10
10212	471497.14	3820125.98	2.41E-09	1.01E-08	9.10E-10	1.34E-08	2.00E-09	7.43E-09	6.53E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.68E-09	2.07E-10	6.81E-10	4.70E-11	9.35E-10
10213	471493.38	3820134.81	2.40E-09	1.01E-08	9.09E-10	1.34E-08	2.00E-09	7.42E-09	6.52E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.68E-09	2.06E-10	6.80E-10	4.69E-11	9.34E-10
10214	471489.62	3820143.64	2.40E-09	1.01E-08	9.08E-10	1.34E-08	2.00E-09	7.41E-09	6.52E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.68E-09	2.06E-10	6.79E-10	4.68E-11	9.32E-10
10215	471485.86	3820152.47	2.40E-09	1.01E-08	9.06E-10	1.34E-08	2.00E-09	7.40E-09	6.51E-10	1.00E-08	2.26E-10	1.30E-09	1.55E-10	1.68E-09	2.06E-10	6.78E-10	4.68E-11	9.31E-10
10216	471482.1	3820161.3	2.39E-09	1.01E-08	9.05E-10	1.33E-08	1.99E-09	7.38E-09	6.50E-10	1.00E-08	2.26E-10	1.29E-09	1.54E-10	1.67E-09	2.05E-10	6.77E-10	4.67E-11	9.30E-10
10217	471478.34	3820170.13	2.39E-09	1.00E-08	9.04E-10	1.33E-08	1.99E-09	7.37E-09	6.49E-10	1.00E-08	2.26E-10	1.29E-09	1.54E-10	1.67E-09	2.05E-10	6.76E-10	4.66E-11	9.28E-10
10218	471474.58	3820178.96	2.39E-09	1.00E-08	9.02E-10	1.33E-08	1.99E-09	7.36E-09	6.48E-10	1.00E-08	2.25E-10	1.29E-09	1.54E-10	1.67E-09	2.05E-10	6.75E-10	4.66E-11	9.27E-10
10219	471470.82	3820187.79	2.38E-09	1.00E-08	9.01E-10	1.33E-08	1.98E-09	7.35E-09	6.47E-10	9.98E-09	2.25E-10	1.29E-09	1.54E-10	1.67E-09	2.05E-10	6.75E-10	4.65E-11	9.26E-10
10220	471467.06	3820196.62	2.38E-09	9.99E-09	9.00E-10	1.33E-08	1.98E-09	7.34E-09	6.46E-10	9.97E-09	2.25E-10	1.29E-09	1.53E-10	1.66E-09	2.04E-10	6.74E-10	4.64E-11	9.24E-10
10221	471463.3	3820205.45	2.38E-09	9.98E-09	8.99E-10	1.33E-08	1.98E-09	7.33E-09	6.45E-10	9.96E-09	2.24E-10	1.28E-09	1.53E-10	1.66E-09	2.04E-10	6.73E-10	4.64E-11	9.23E-10
10222	471459.54	3820214.28	2.37E-09	9.97E-09	8.98E-10	1.32E-08	1.98E-09	7.32E-09	6.44E-10	9.94E-09	2.24E-10	1.28E-09	1.53E-10	1.66E-09	2.04E-10	6.72E-10	4.63E-11	9.22E-10
10223	471455.78	3820223.12	2.37E-09	9.95E-09	8.96E-10	1.32E-08	1.97E-09	7.31E-09	6.43E-10	9.93E-09	2.24E-10	1.28E-09	1.53E-10	1.66E-09	2.03E-10	6.71E-10	4.62E-11	9.20E-10
10224	471452.02	3820231.95	2.37E-09	9.93E-09	8.95E-10	1.32E-08	1.97E-09	7.30E-09	6.42E-10	9.91E-09	2.23E-10	1.28E-09	1.53E-10	1.65E-09	2.03E-10	6.70E-10	4.62E-11	9.19E-10
10225	471448.26	3820240.78	2.36E-09	9.92E-09	8.93E-10	1.32E-08	1.97E-09	7.29E-09	6.41E-10	9.90E-09	2.23E-10	1.28E-09	1.52E-10	1.65E-09	2.03E-10	6.69E-10	4.61E-11	9.18E-10
10226	471444.49	3820249.61	2.36E-09	9.91E-09	8.92E-10	1.32E-08	1.97E-09	7.28E-09	6.41E-10	9.89E-09	2.23E-10	1.28E-09	1.52E-10	1.65E-09	2.03E-10	6.68E-10	4.60E-11	9.16E-10
10227	471440.73	3820258.44	2.36E-09	9.89E-09	8.91E-10	1.31E-08	1.96E-09	7.27E-09	6.40E-10	9.87E-09	2.22E-10	1.27E-09	1.52E-10	1.65E-09	2.02E-10	6.67E-10	4.60E-11	9.15E-10
10228	471436.97	3820267.27	2.35E-09	9.88E-09	8.90E-10	1.31E-08	1.96E-09	7.26E-09	6.39E-10	9.86E-09	2.22E-10	1.27E-09	1.52E-10	1.65E-09	2.02E-10	6.66E-10	4.59E-11	9.14E-10
10229	471433.21	3820276.1	2.35E-09	9.87E-09	8.89E-10	1.31E-08	1.96E-09	7.25E-09	6.38E-10	9.85E-09	2.22E-10	1.27E-09	1.52E-10	1.64E-09	2.02E-10	6.65E-10	4.59E-11	9.13E-10
10230	471429.45	3820284.93	2.35E-09	9.86E-09	8.88E-10	1.31E-08	1.96E-09	7.24E-09	6.37E-10	9.84E-09	2.22E-10	1.27E-09	1.51E-10	1.64E-09	2.01E-10	6.64E-10	4.58E-11	9.12E-10
10231	471425.69	3820293.76	2.34E-09	9.84E-09	8.86E-10	1.31E-08	1.95E-09	7.23E-09	6.36E-10	9.82E-09	2.21E-10	1.27E-09	1.51E-10	1.64E-09	2.01E-10	6.63E-10	4.57E-11	9.10E-10
10232	471421.93	3820302.59	2.34E-09	9.83E-09	8.85E-10	1.31E-08	1.95E-09	7.22E-09	6.35E-10	9.81E-09	2.21E-10	1.27E-09	1.51E-10	1.64E-09	2.01E-10	6.62E-10	4.57E-11	9.09E-10
10233	471418.17	3820311.42	2.34E-09	9.81E-09	8.84E-10	1.30E-08	1.95E-09	7.21E-09	6.34E-10	9.79E-09	2.21E-10	1.26E-09	1.51E-10	1.63E-09	2.01E-10	6.61E-10	4.56E-11	9.08E-10
10234	471414.41	3820320.25	2.33E-09	9.80E-09	8.83E-10	1.30E-08	1.94E-09	7.20E-09	6.34E-10	9.78E-09	2.20E-10	1.26E-09	1.51E-10	1.63E-09	2.00E-10	6.61E-10	4.55E-11	9.07E-10
10235	471410.65	3820329.08	2.33E-09	9.79E-09	8.82E-10	1.30E-08	1.94E-09	7.19E-09	6.33E-10	9.77E-09	2.20E-10	1.26E-09	1.50E-10	1.63E-09	2.00E-10	6.60E-10	4.55E-11	9.06E-10
10236	471406.89	3820337.91	2.33E-09	9.78E-09	8.80E-10	1.30E-08	1.94E-09	7.18E-09	6.32E-10	9.75E-09	2.20E-10	1.26E-09	1.50E-10	1.63E-09	2.00E-10	6.59E-10	4.54E-11	9.04E-10
10237	471403.13	3820346.74	2.33E-09	9.76E-09	8.79E-10	1.30E-08	1.94E-09	7.18E-09	6.31E-10	9.74E-09	2.20E-10	1.26E-09	1.50E-10	1.63E-09	2.00E-10	6.58E-10	4.54E-11	9.03E-10
10238	471399.37	3820355.57	2.32E-09	9.76E-09	8.79E-10	1.30E-08	1.94E-09	7.17E-09	6.31E-10	9.73E-09	2.19E-10	1.26E-09	1.50E-10	1.63E-09	1.99E-10	6.58E-10	4.53E-11	9.02E-10
10239	471395.61	3820364.4	2.32E-09	9.74E-09	8.77E-10	1.29E-08	1.93E-09	7.16E-09	6.30E-10	9.72E-09	2.19E-10	1.25E-09	1.50E-10	1.62E-09	1.99E-10	6.57E-10	4.53E-11	9.01E-10
10240	471391.85	3820373.23	2.32E-09	9.73E-09	8.76E-10	1.29E-08	1.93E-09	7.15E-09	6.29E-10	9.71E-09	2.19E-10	1.25E-09	1.49E-10	1.62E-09	1.99E-10	6.56E-10	4.52E-11	9.00E-10
10241	471388.08	3820382.06	2.31E-09	9.71E-09	8.75E-10	1.29E-08	1.93E-09	7.14E-09	6.28E-10	9.69E-09	2.18E-10	1.25E-09	1.49E-10	1.62E-09	1.99E-10	6.55E-10	4.51E-11	8.98E-10
10242	471384.32	3820390.89	2.31E-09	9.70E-09	8.73E-10	1.29E-08	1.92E-09	7.12E-09	6.27E-10	9.67E-09	2.18E-10	1.25E-09	1.49E-10	1.62E-09	1.98E-10	6.54E-10	4.50E-11	8.97E-10
10243	471380.56	3820399.73	2.30E-09	9.68E-09	8.72E-10	1.29E-08	1.92E-09	7.11E-09	6.26E-10	9.66E-09	2.18E-10	1.25E-09	1.49E-10	1.61E-09	1.98E-10	6.52E-10	4.50E-11	8.95E-10
10244	471376.8	3820408.56	2.30E-09	9.66E-09	8.70E-10	1.28E-08	1.92E-09	7.10E-09	6.24E-10	9.64E-09	2.17E-10	1.24E-09	1.48E-10	1.61E-09	1.97E-10	6.51E-10	4.49E-11	8.94E-10
10245	471373.04	3820417.39	2.30E-09	9.64E-09	8.68E-10	1.28E-08	1.91E-09	7.08E-09	6.23E-10	9.62E-09	2.17E-10	1.24E-09	1.48E-10	1.61E-09	1.97E-10	6.50E-10	4.48E-11	8.92E-10
10246	471369.28	3820426.22	2.29E-09	9.62E-09	8.66E-10	1.28E-08	1.91E-09	7.07E-09	6.22E-10	9.60E-09	2.16E-10	1.24E-09	1.48E-10	1.60E-09	1.97E-10	6.48E-10	4.47E-11	8.90E-10
10247	471365.52	3820435.05	2.29E-09	9.60E-09	8.65E-10	1.28E-08	1.90E-09	7.05E-09	6.21E-10	9.58E-09	2.16E-10	1.24E-09	1.47E-10	1.60E-09	1.96E-10	6.47E-10	4.46E-11	8.88E-10

10248	471361.76	3820443.88	2.28E-09	9.58E-09	8.63E-10	1.27E-08	1.90E-09	7.04E-09	6.19E-10	9.56E-09	2.15E-10	1.23E-09	1.47E-10	1.60E-09	1.96E-10	6.46E-10	4.45E-11	8.86E-10
10249	471358	3820452.71	2.28E-09	9.56E-09	8.61E-10	1.27E-08	1.90E-09	7.02E-09	6.18E-10	9.54E-09	2.15E-10	1.23E-09	1.47E-10	1.59E-09	1.95E-10	6.44E-10	4.44E-11	8.84E-10
10250	471354.24	3820461.54	2.27E-09	9.53E-09	8.59E-10	1.27E-08	1.89E-09	7.01E-09	6.16E-10	9.51E-09	2.14E-10	1.23E-09	1.46E-10	1.59E-09	1.95E-10	6.43E-10	4.43E-11	8.82E-10
10251	471350.48	3820470.37	2.26E-09	9.51E-09	8.57E-10	1.26E-08	1.89E-09	6.99E-09	6.15E-10	9.49E-09	2.14E-10	1.22E-09	1.46E-10	1.58E-09	1.94E-10	6.41E-10	4.42E-11	8.80E-10
10252	471346.72	3820479.2	2.26E-09	9.49E-09	8.54E-10	1.26E-08	1.88E-09	6.97E-09	6.13E-10	9.47E-09	2.13E-10	1.22E-09	1.46E-10	1.58E-09	1.94E-10	6.40E-10	4.41E-11	8.78E-10
10253	471342.96	3820488.03	2.25E-09	9.46E-09	8.52E-10	1.26E-08	1.88E-09	6.95E-09	6.12E-10	9.44E-09	2.13E-10	1.22E-09	1.45E-10	1.58E-09	1.93E-10	6.38E-10	4.40E-11	8.75E-10
10254	471339.2	3820496.86	2.25E-09	9.44E-09	8.50E-10	1.25E-08	1.87E-09	6.93E-09	6.10E-10	9.42E-09	2.12E-10	1.21E-09	1.45E-10	1.57E-09	1.93E-10	6.36E-10	4.38E-11	8.73E-10
10255	471335.44	3820505.69	2.24E-09	9.41E-09	8.47E-10	1.25E-08	1.87E-09	6.91E-09	6.08E-10	9.39E-09	2.12E-10	1.21E-09	1.44E-10	1.57E-09	1.92E-10	6.34E-10	4.37E-11	8.70E-10
10256	471331.67	3820514.52	2.23E-09	9.38E-09	8.45E-10	1.25E-08	1.86E-09	6.89E-09	6.06E-10	9.36E-09	2.11E-10	1.21E-09	1.44E-10	1.56E-09	1.92E-10	6.32E-10	4.36E-11	8.67E-10
10257	471319	3820526.91	2.24E-09	9.40E-09	8.46E-10	1.25E-08	1.86E-09	6.91E-09	6.08E-10	9.38E-09	2.11E-10	1.21E-09	1.44E-10	1.57E-09	1.92E-10	6.34E-10	4.37E-11	8.69E-10
10258	471310.09	3820530.47	2.25E-09	9.44E-09	8.50E-10	1.25E-08	1.87E-09	6.94E-09	6.10E-10	9.42E-09	2.12E-10	1.22E-09	1.45E-10	1.57E-09	1.93E-10	6.36E-10	4.39E-11	8.73E-10
10259	471301.18	3820534.04	2.26E-09	9.49E-09	8.54E-10	1.26E-08	1.88E-09	6.97E-09	6.13E-10	9.47E-09	2.13E-10	1.22E-09	1.46E-10	1.58E-09	1.94E-10	6.40E-10	4.41E-11	8.78E-10
10260	471292.26	3820537.6	2.27E-09	9.53E-09	8.58E-10	1.27E-08	1.89E-09	7.00E-09	6.16E-10	9.51E-09	2.14E-10	1.23E-09	1.46E-10	1.59E-09	1.95E-10	6.42E-10	4.43E-11	8.82E-10
10261	471283.35	3820541.16	2.28E-09	9.58E-09	8.63E-10	1.27E-08	1.90E-09	7.04E-09	6.19E-10	9.56E-09	2.15E-10	1.23E-09	1.47E-10	1.60E-09	1.96E-10	6.46E-10	4.45E-11	8.86E-10
10262	471247.7	3820555.4	2.32E-09	9.74E-09	8.77E-10	1.29E-08	1.93E-09	7.16E-09	6.30E-10	9.72E-09	2.19E-10	1.25E-09	1.50E-10	1.62E-09	1.99E-10	6.57E-10	4.53E-11	9.01E-10
10263	471238.79	3820558.96	2.33E-09	9.78E-09	8.81E-10	1.30E-08	1.94E-09	7.19E-09	6.32E-10	9.76E-09	2.20E-10	1.26E-09	1.50E-10	1.63E-09	2.00E-10	6.59E-10	4.55E-11	9.05E-10
10264	471229.87	3820562.52	2.34E-09	9.82E-09	8.84E-10	1.30E-08	1.95E-09	7.22E-09	6.35E-10	9.80E-09	2.21E-10	1.26E-09	1.51E-10	1.64E-09	2.01E-10	6.62E-10	4.56E-11	9.08E-10
10265	471220.96	3820566.09	2.35E-09	9.86E-09	8.88E-10	1.31E-08	1.96E-09	7.24E-09	6.37E-10	9.84E-09	2.22E-10	1.27E-09	1.51E-10	1.64E-09	2.01E-10	6.64E-10	4.58E-11	9.12E-10
10266	471212.05	3820569.65	2.36E-09	9.89E-09	8.91E-10	1.31E-08	1.96E-09	7.27E-09	6.40E-10	9.87E-09	2.22E-10	1.27E-09	1.52E-10	1.65E-09	2.02E-10	6.67E-10	4.60E-11	9.15E-10
10267	471203.13	3820573.21	2.37E-09	9.93E-09	8.94E-10	1.32E-08	1.97E-09	7.30E-09	6.42E-10	9.91E-09	2.23E-10	1.28E-09	1.53E-10	1.65E-09	2.03E-10	6.69E-10	4.61E-11	9.19E-10
10268	471194.22	3820576.77	2.37E-09	9.97E-09	8.98E-10	1.32E-08	1.98E-09	7.33E-09	6.44E-10	9.95E-09	2.24E-10	1.28E-09	1.53E-10	1.66E-09	2.04E-10	6.72E-10	4.63E-11	9.22E-10
10269	471185.31	3820580.33	2.38E-09	1.00E-08	9.01E-10	1.33E-08	1.98E-09	7.35E-09	6.47E-10	9.98E-09	2.25E-10	1.29E-09	1.54E-10	1.67E-09	2.05E-10	6.75E-10	4.65E-11	9.26E-10
10270	471176.39	3820583.89	2.39E-09	1.00E-08	9.04E-10	1.33E-08	1.99E-09	7.38E-09	6.49E-10	1.00E-08	2.26E-10	1.29E-09	1.54E-10	1.67E-09	2.05E-10	6.77E-10	4.67E-11	9.29E-10
10271	471167.48	3820587.45	2.40E-09	1.01E-08	9.08E-10	1.34E-08	2.00E-09	7.41E-09	6.52E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.68E-09	2.06E-10	6.79E-10	4.68E-11	9.32E-10
10272	471158.57	3820591.01	2.41E-09	1.01E-08	9.11E-10	1.34E-08	2.01E-09	7.43E-09	6.54E-10	1.01E-08	2.27E-10	1.30E-09	1.55E-10	1.68E-09	2.07E-10	6.82E-10	4.70E-11	9.35E-10
10273	471149.66	3820594.57	2.42E-09	1.02E-08	9.14E-10	1.35E-08	2.01E-09	7.46E-09	6.56E-10	1.01E-08	2.28E-10	1.31E-09	1.56E-10	1.69E-09	2.08E-10	6.84E-10	4.72E-11	9.39E-10
10274	471140.74	3820598.14	2.43E-09	1.02E-08	9.17E-10	1.35E-08	2.02E-09	7.48E-09	6.58E-10	1.02E-08	2.29E-10	1.31E-09	1.56E-10	1.70E-09	2.08E-10	6.87E-10	4.73E-11	9.42E-10
10275	471131.83	3820601.7	2.43E-09	1.02E-08	9.21E-10	1.36E-08	2.03E-09	7.51E-09	6.61E-10	1.02E-08	2.30E-10	1.32E-09	1.57E-10	1.70E-09	2.09E-10	6.89E-10	4.75E-11	9.46E-10
10276	471122.92	3820605.26	2.44E-09	1.03E-08	9.24E-10	1.36E-08	2.04E-09	7.54E-09	6.63E-10	1.02E-08	2.31E-10	1.32E-09	1.58E-10	1.71E-09	2.10E-10	6.92E-10	4.77E-11	9.49E-10
10277	471114	3820608.82	2.45E-09	1.03E-08	9.27E-10	1.37E-08	2.04E-09	7.57E-09	6.66E-10	1.03E-08	2.32E-10	1.33E-09	1.58E-10	1.72E-09	2.11E-10	6.94E-10	4.78E-11	9.52E-10
10278	471105.09	3820612.38	2.46E-09	1.03E-08	9.31E-10	1.37E-08	2.05E-09	7.60E-09	6.68E-10	1.03E-08	2.32E-10	1.33E-09	1.59E-10	1.72E-09	2.11E-10	6.97E-10	4.80E-11	9.56E-10
10279	471096.18	3820615.94	2.47E-09	1.04E-08	9.35E-10	1.38E-08	2.06E-09	7.63E-09	6.71E-10	1.04E-08	2.33E-10	1.34E-09	1.59E-10	1.73E-09	2.12E-10	7.00E-10	4.82E-11	9.60E-10
10280	471087.27	3820619.5	2.48E-09	1.04E-08	9.38E-10	1.38E-08	2.07E-09	7.66E-09	6.73E-10	1.04E-08	2.34E-10	1.34E-09	1.60E-10	1.74E-09	2.13E-10	7.02E-10	4.84E-11	9.64E-10
10281	471078.35	3820623.06	2.49E-09	1.05E-08	9.42E-10	1.39E-08	2.08E-09	7.69E-09	6.76E-10	1.04E-08	2.35E-10	1.35E-09	1.61E-10	1.74E-09	2.14E-10	7.05E-10	4.86E-11	9.68E-10
10282	471069.44	3820626.62	2.50E-09	1.05E-08	9.46E-10	1.40E-08	2.08E-09	7.72E-09	6.79E-10	1.05E-08	2.36E-10	1.35E-09	1.61E-10	1.75E-09	2.15E-10	7.08E-10	4.88E-11	9.72E-10
10283	471060.53	3820630.19	2.51E-09	1.05E-08	9.50E-10	1.40E-08	2.09E-09	7.75E-09	6.82E-10	1.05E-08	2.37E-10	1.36E-09	1.62E-10	1.76E-09	2.16E-10	7.11E-10	4.90E-11	9.76E-10
10284	471051.61	3820633.75	2.52E-09	1.06E-08	9.54E-10	1.41E-08	2.10E-09	7.78E-09	6.85E-10	1.06E-08	2.38E-10	1.36E-09	1.63E-10	1.76E-09	2.17E-10	7.14E-10	4.92E-11	9.80E-10
10285	471042.7	3820637.31	2.53E-09	1.06E-08	9.58E-10	1.41E-08	2.11E-09	7.82E-09	6.88E-10	1.06E-08	2.39E-10	1.37E-09	1.63E-10	1.77E-09	2.17E-10	7.17E-10	4.94E-11	9.84E-10
10286	471033.79	3820640.87	2.54E-09	1.07E-08	9.62E-10	1.42E-08	2.12E-09	7.85E-09	6.91E-10	1.07E-08	2.40E-10	1.38E-09	1.64E-10	1.78E-09	2.18E-10	7.20E-10	4.97E-11	9.88E-10
10287	471024.88	3820644.43	2.56E-09	1.07E-08	9.67E-10	1.43E-08	2.13E-09	7.89E-09	6.94E-10	1.07E-08	2.41E-10	1.38E-09	1.65E-10	1.79E-09	2.20E-10	7.24E-10	4.99E-11	9.93E-10
10288	471015.96	3820647.99	2.57E-09	1.08E-08	9.72E-10	1.43E-08	2.14E-09	7.93E-09	6.98E-10	1.08E-08	2.43E-10	1.39E-09	1.66E-10	1.80E-09	2.21E-10	7.27E-10	5.02E-11	9.98E-10
10289	471007.05	3820651.55	2.58E-09	1.09E-08	9.77E-10	1.44E-08	2.15E-09	7.97E-09	7.01E-10	1.08E-08	2.44E-10	1.40E-09	1.67E-10	1.81E-09	2.22E-10	7.31E-10	5.04E-11	1.00E-09
10290	470998.14	3820655.11	2.60E-09	1.09E-08	9.82E-10	1.45E-08	2.16E-09	8.02E-09	7.05E-10	1.09E-08	2.45E-10	1.40E-09	1.68E-10	1.82E-09	2.23E-10	7.35E-10	5.07E-11	1.01E-09
10291	470989.22	3820658.67	2.61E-09	1.10E-08	9.88E-10	1.46E-08	2.18E-09	8.06E-09	7.09E-10	1.09E-08	2.47E-10	1.41E-09	1.69E-10	1.83E-09	2.24E-10	7.40E-10	5.10E-11	1.01E-09
10292	470980.31	3820662.24	2.63E-09	1.10E-08	9.94E-10	1.47E-08	2.19E-09	8.11E-09	7.14E-10	1.10E-08	2.48E-10	1.42E-09	1.70E-10	1.84E-09	2.26E-10	7.44E-10	5.13E-11	1.02E-09
10293	470900.1	3820694.29	2.82E-09	1.18E-08	1.06E-09	1.57E-08	2.35E-09	8.69E-09	7.64E-10	1.18E-08	2.66E-10	1.52E-09	1.82E-10	1.97E-09	2.42E-10	7.97E-10	5.49E-11	1.09E-09
10294	470891.18	3820697.85	2.84E-09	1.19E-08	1.07E-09	1.58E-08	2.37E-09	8.76E-09	7.71E-10	1.19E-08	2.68E-10	1.54E-09	1.83E-10	1.99E-09	2.44E-10	8.04E-10	5.54E-11	1.10E-09
10295	470882.27	3820701.41	2.86E-09	1.20E-08	1.08E-09	1.60E-08	2.39E-09	8.84E-09	7.78E-10	1.20E-08	2.70E-10	1.55E-09	1.85E-10	2.00E-09	2.46E-10	8.11E-10	5.59E-11	1.11E-09
10296	470873.36	3820704.97	2.89E-09	1.21E-08	1.09E-09	1.61E-08	2.41E-09	8.92E-09	7.84E-10	1.21E-08	2.73E-10	1.56E-09	1.86E-10	2.02E-09	2.48E-10	8.18E-10	5.64E-11	1.12E-09
10297	470864.44	3820708.53	2.92E-09	1.22E-08	1.10E-09	1.63E-08	2.43E-09	9.00E-09	7.92E-10	1.22E-08	2.75E-10	1.58E-09	1.88E-10	2.04E-09	2.50E-10	8.25E-10	5.69E-11	1.13E-09
10298	470855.53	3820712.09	2.94E-09	1.24E-08	1.11E-09	1.64E-08	2.45E-09	9.08E-09	7.99E-10	1.23E-08	2.78E-10	1.59E-09	1.90E-10	2.06E-09	2.53E-10	8.33E-10	5.74E-11	1.14E-09

10299	470846.62	3820715.65	2.97E-09	1.25E-08	1.12E-09	1.66E-08	2.47E-09	9.16E-09	8.06E-10	1.24E-08	2.80E-10	1.61E-09	1.92E-10	2.08E-09	2.55E-10	8.41E-10	5.79E-11	1.15E-09
10300	470837.71	3820719.21	3.00E-09	1.26E-08	1.13E-09	1.67E-08	2.50E-09	9.25E-09	8.14E-10	1.26E-08	2.83E-10	1.62E-09	1.93E-10	2.10E-09	2.57E-10	8.48E-10	5.85E-11	1.16E-09
10301	470828.79	3820722.77	3.03E-09	1.27E-08	1.14E-09	1.69E-08	2.52E-09	9.34E-09	8.21E-10	1.27E-08	2.86E-10	1.64E-09	1.95E-10	2.12E-09	2.60E-10	8.56E-10	5.90E-11	1.18E-09
10302	470819.88	3820726.34	3.05E-09	1.28E-08	1.15E-09	1.70E-08	2.54E-09	9.42E-09	8.29E-10	1.28E-08	2.88E-10	1.65E-09	1.97E-10	2.14E-09	2.62E-10	8.64E-10	5.96E-11	1.19E-09
10303	470810.97	3820729.9	3.08E-09	1.29E-08	1.16E-09	1.72E-08	2.57E-09	9.50E-09	8.36E-10	1.29E-08	2.91E-10	1.66E-09	1.99E-10	2.15E-09	2.64E-10	8.72E-10	6.01E-11	1.20E-09
10304	470802.05	3820733.46	3.11E-09	1.30E-08	1.18E-09	1.73E-08	2.59E-09	9.59E-09	8.44E-10	1.30E-08	2.93E-10	1.68E-09	2.00E-10	2.17E-09	2.67E-10	8.80E-10	6.06E-11	1.21E-09
10305	470793.14	3820737.02	3.13E-09	1.32E-08	1.18E-09	1.75E-08	2.61E-09	9.67E-09	8.50E-10	1.31E-08	2.96E-10	1.69E-09	2.02E-10	2.19E-09	2.69E-10	8.87E-10	6.11E-11	1.22E-09
10306	470784.23	3820740.58	3.16E-09	1.33E-08	1.19E-09	1.76E-08	2.63E-09	9.74E-09	8.57E-10	1.32E-08	2.98E-10	1.71E-09	2.04E-10	2.21E-09	2.71E-10	8.94E-10	6.16E-11	1.23E-09
10307	470775.32	3820744.14	3.18E-09	1.34E-08	1.20E-09	1.77E-08	2.65E-09	9.82E-09	8.63E-10	1.33E-08	3.00E-10	1.72E-09	2.05E-10	2.23E-09	2.73E-10	9.00E-10	6.21E-11	1.24E-09
10308	470766.4	3820747.7	3.20E-09	1.35E-08	1.21E-09	1.79E-08	2.67E-09	9.89E-09	8.70E-10	1.34E-08	3.03E-10	1.73E-09	2.07E-10	2.24E-09	2.75E-10	9.07E-10	6.25E-11	1.24E-09
10309	470757.49	3820751.26	3.23E-09	1.36E-08	1.22E-09	1.80E-08	2.69E-09	9.97E-09	8.77E-10	1.35E-08	3.05E-10	1.75E-09	2.08E-10	2.26E-09	2.77E-10	9.15E-10	6.30E-11	1.25E-09
10310	470748.58	3820754.82	3.26E-09	1.37E-08	1.23E-09	1.82E-08	2.71E-09	1.01E-08	8.84E-10	1.36E-08	3.08E-10	1.76E-09	2.10E-10	2.28E-09	2.80E-10	9.22E-10	6.35E-11	1.27E-09
10311	470739.66	3820758.39	3.28E-09	1.38E-08	1.24E-09	1.83E-08	2.73E-09	1.01E-08	8.91E-10	1.38E-08	3.10E-10	1.77E-09	2.12E-10	2.30E-09	2.82E-10	9.29E-10	6.41E-11	1.28E-09
10312	470730.75	3820761.95	3.31E-09	1.39E-08	1.25E-09	1.85E-08	2.76E-09	1.02E-08	8.99E-10	1.39E-08	3.13E-10	1.79E-09	2.14E-10	2.32E-09	2.84E-10	9.37E-10	6.46E-11	1.29E-09
10313	470721.84	3820765.51	3.34E-09	1.40E-08	1.26E-09	1.86E-08	2.78E-09	1.03E-08	9.06E-10	1.40E-08	3.15E-10	1.80E-09	2.15E-10	2.33E-09	2.86E-10	9.45E-10	6.51E-11	1.30E-09
10314	470712.93	3820769.07	3.36E-09	1.41E-08	1.27E-09	1.88E-08	2.80E-09	1.04E-08	9.13E-10	1.41E-08	3.18E-10	1.82E-09	2.17E-10	2.35E-09	2.89E-10	9.52E-10	6.56E-11	1.31E-09
10315	470704.01	3820772.63	3.39E-09	1.42E-08	1.28E-09	1.89E-08	2.82E-09	1.05E-08	9.20E-10	1.42E-08	3.20E-10	1.83E-09	2.19E-10	2.37E-09	2.91E-10	9.59E-10	6.61E-11	1.32E-09
10316	470695.1	3820776.19	3.41E-09	1.43E-08	1.29E-09	1.90E-08	2.84E-09	1.05E-08	9.27E-10	1.43E-08	3.22E-10	1.85E-09	2.20E-10	2.39E-09	2.93E-10	9.66E-10	6.66E-11	1.33E-09
10317	470686.19	3820779.75	3.44E-09	1.44E-08	1.30E-09	1.92E-08	2.86E-09	1.06E-08	9.33E-10	1.44E-08	3.25E-10	1.86E-09	2.22E-10	2.40E-09	2.95E-10	9.73E-10	6.71E-11	1.34E-09
10318	470677.27	3820783.31	3.46E-09	1.45E-08	1.31E-09	1.93E-08	2.88E-09	1.07E-08	9.39E-10	1.45E-08	3.27E-10	1.87E-09	2.23E-10	2.42E-09	2.97E-10	9.80E-10	6.75E-11	1.34E-09
10319	470668.36	3820786.87	3.48E-09	1.46E-08	1.32E-09	1.94E-08	2.90E-09	1.07E-08	9.45E-10	1.46E-08	3.29E-10	1.88E-09	2.25E-10	2.44E-09	2.99E-10	9.86E-10	6.80E-11	1.35E-09
10320	470659.45	3820790.44	3.50E-09	1.47E-08	1.33E-09	1.95E-08	2.92E-09	1.08E-08	9.51E-10	1.47E-08	3.31E-10	1.89E-09	2.26E-10	2.45E-09	3.01E-10	9.92E-10	6.84E-11	1.36E-09
10321	470650.54	3820794	3.52E-09	1.48E-08	1.33E-09	1.97E-08	2.94E-09	1.09E-08	9.57E-10	1.48E-08	3.33E-10	1.90E-09	2.27E-10	2.46E-09	3.03E-10	9.97E-10	6.88E-11	1.37E-09
10322	470641.62	3820797.56	3.54E-09	1.49E-08	1.34E-09	1.98E-08	2.95E-09	1.09E-08	9.62E-10	1.48E-08	3.35E-10	1.92E-09	2.29E-10	2.48E-09	3.04E-10	1.00E-09	6.91E-11	1.38E-09
10323	470632.71	3820801.12	3.56E-09	1.50E-08	1.35E-09	1.99E-08	2.97E-09	1.10E-08	9.67E-10	1.49E-08	3.36E-10	1.93E-09	2.30E-10	2.49E-09	3.06E-10	1.01E-09	6.95E-11	1.38E-09
10324	470623.8	3820804.68	3.58E-09	1.50E-08	1.35E-09	2.00E-08	2.98E-09	1.10E-08	9.72E-10	1.50E-08	3.38E-10	1.94E-09	2.31E-10	2.50E-09	3.07E-10	1.01E-09	6.98E-11	1.39E-09
10325	470614.88	3820808.24	3.60E-09	1.51E-08	1.36E-09	2.01E-08	3.00E-09	1.11E-08	9.76E-10	1.51E-08	3.40E-10	1.94E-09	2.32E-10	2.52E-09	3.09E-10	1.02E-09	7.02E-11	1.40E-09
10326	470605.97	3820811.8	3.61E-09	1.52E-08	1.37E-09	2.01E-08	3.01E-09	1.11E-08	9.80E-10	1.51E-08	3.41E-10	1.95E-09	2.33E-10	2.53E-09	3.10E-10	1.02E-09	7.05E-11	1.40E-09
10327	470597.06	3820815.36	3.63E-09	1.52E-08	1.37E-09	2.02E-08	3.02E-09	1.12E-08	9.84E-10	1.52E-08	3.42E-10	1.96E-09	2.34E-10	2.54E-09	3.11E-10	1.03E-09	7.08E-11	1.41E-09
10328	470588.15	3820818.92	3.64E-09	1.53E-08	1.38E-09	2.03E-08	3.03E-09	1.12E-08	9.88E-10	1.53E-08	3.44E-10	1.97E-09	2.35E-10	2.55E-09	3.12E-10	1.03E-09	7.10E-11	1.41E-09
10329	470579.23	3820822.49	3.65E-09	1.53E-08	1.38E-09	2.04E-08	3.04E-09	1.13E-08	9.91E-10	1.53E-08	3.45E-10	1.97E-09	2.36E-10	2.55E-09	3.13E-10	1.03E-09	7.12E-11	1.42E-09
10330	470570.32	3820826.05	3.66E-09	1.54E-08	1.39E-09	2.04E-08	3.05E-09	1.13E-08	9.94E-10	1.53E-08	3.46E-10	1.98E-09	2.36E-10	2.56E-09	3.14E-10	1.04E-09	7.15E-11	1.42E-09
10331	470561.41	3820829.61	3.67E-09	1.54E-08	1.39E-09	2.05E-08	3.06E-09	1.13E-08	9.97E-10	1.54E-08	3.47E-10	1.99E-09	2.37E-10	2.57E-09	3.15E-10	1.04E-09	7.17E-11	1.43E-09
10332	470552.49	3820833.17	3.68E-09	1.55E-08	1.39E-09	2.05E-08	3.07E-09	1.14E-08	1.00E-09	1.54E-08	3.48E-10	1.99E-09	2.38E-10	2.58E-09	3.16E-10	1.04E-09	7.19E-11	1.43E-09
10333	470490.1	3820858.1	3.74E-09	1.57E-08	1.41E-09	2.08E-08	3.11E-09	1.15E-08	1.01E-09	1.57E-08	3.53E-10	2.02E-09	2.41E-10	2.61E-09	3.21E-10	1.06E-09	7.29E-11	1.45E-09
10334	470481.19	3820861.66	3.74E-09	1.57E-08	1.41E-09	2.09E-08	3.12E-09	1.15E-08	1.02E-09	1.57E-08	3.53E-10	2.02E-09	2.41E-10	2.62E-09	3.21E-10	1.06E-09	7.30E-11	1.45E-09
10335	470472.28	3820865.22	3.74E-09	1.57E-08	1.42E-09	2.09E-08	3.12E-09	1.16E-08	1.02E-09	1.57E-08	3.53E-10	2.02E-09	2.41E-10	2.62E-09	3.21E-10	1.06E-09	7.30E-11	1.45E-09
10336	470463.37	3820868.78	3.75E-09	1.57E-08	1.42E-09	2.09E-08	3.12E-09	1.16E-08	1.02E-09	1.57E-08	3.54E-10	2.03E-09	2.42E-10	2.62E-09	3.22E-10	1.06E-09	7.31E-11	1.46E-09
10337	470454.45	3820872.34	3.75E-09	1.58E-08	1.42E-09	2.09E-08	3.13E-09	1.16E-08	1.02E-09	1.57E-08	3.54E-10	2.03E-09	2.42E-10	2.63E-09	3.22E-10	1.06E-09	7.32E-11	1.46E-09
10338	470445.54	3820875.9	3.76E-09	1.58E-08	1.42E-09	2.10E-08	3.13E-09	1.16E-08	1.02E-09	1.57E-08	3.55E-10	2.03E-09	2.42E-10	2.63E-09	3.23E-10	1.06E-09	7.33E-11	1.46E-09
10339	470436.63	3820879.46	3.76E-09	1.58E-08	1.42E-09	2.10E-08	3.13E-09	1.16E-08	1.02E-09	1.58E-08	3.55E-10	2.03E-09	2.43E-10	2.63E-09	3.23E-10	1.07E-09	7.34E-11	1.46E-09
10340	470427.71	3820883.02	3.77E-09	1.58E-08	1.42E-09	2.10E-08	3.14E-09	1.16E-08	1.02E-09	1.58E-08	3.56E-10	2.04E-09	2.43E-10	2.64E-09	3.23E-10	1.07E-09	7.35E-11	1.46E-09
10341	470418.8	3820886.58	3.77E-09	1.58E-08	1.43E-09	2.10E-08	3.14E-09	1.16E-08	1.02E-09	1.58E-08	3.56E-10	2.04E-09	2.43E-10	2.64E-09	3.24E-10	1.07E-09	7.36E-11	1.46E-09
10342	470392.06	3820897.27	3.79E-09	1.59E-08	1.43E-09	2.11E-08	3.15E-09	1.17E-08	1.03E-09	1.59E-08	3.58E-10	2.05E-09	2.44E-10	2.65E-09	3.25E-10	1.07E-09	7.39E-11	1.47E-09
10343	470383.15	3820900.83	3.79E-09	1.59E-08	1.43E-09	2.12E-08	3.16E-09	1.17E-08	1.03E-09	1.59E-08	3.58E-10	2.05E-09	2.45E-10	2.65E-09	3.26E-10	1.07E-09	7.40E-11	1.47E-09
10344	470374.24	3820904.39	3.80E-09	1.60E-08	1.44E-09	2.12E-08	3.16E-09	1.17E-08	1.03E-09	1.59E-08	3.59E-10	2.05E-09	2.45E-10	2.66E-09	3.26E-10	1.08E-09	7.41E-11	1.48E-09
10345	470365.32	3820907.95	3.81E-09	1.60E-08	1.44E-09	2.12E-08	3.17E-09	1.17E-08	1.03E-09	1.60E-08	3.60E-10	2.06E-09	2.46E-10	2.66E-09	3.27E-10	1.08E-09	7.43E-11	1.48E-09
10346	470356.41	3820911.51	3.82E-09	1.60E-08	1.44E-09	2.13E-08	3.18E-09	1.18E-08	1.04E-09	1.60E-08	3.60E-10	2.06E-09	2.46E-10	2.67E-09	3.28E-10	1.08E-09	7.44E-11	1.48E-09
10347	470347.5	3820915.07	3.83E-09	1.61E-08	1.45E-09	2.13E-08	3.19E-09	1.18E-08	1.04E-09	1.60E-08	3.61E-10	2.07E-09	2.47E-10	2.68E-09	3.28E-10	1.08E-09	7.46E-11	1.49E-09
10348	470338.59	3820918.63	3.83E-09	1.61E-08	1.45E-09	2.14E-08	3.19E-09	1.18E-08	1.04E-09	1.61E-08	3.62E-10	2.07E-09	2.47E-10	2.68E-09	3.29E-10	1.09E-09	7.48E-11	1.49E-09
10349	470329.67	3820922.2	3.85E-09	1.62E-08	1.45E-09	2.15E-08	3.20E-09	1.19E-08	1.04E-09	1.61E-08	3.63E-10	2.08E-09	2.48E-10	2.69E-09	3.30E-10	1.09E-09	7.50E-11	1.49E-09

10350	470320.76	3820925.76	3.86E-09	1.62E-08	1.46E-09	2.15E-08	3.21E-09	1.19E-08	1.05E-09	1.62E-08	3.64E-10	2.08E-09	2.49E-10	2.70E-09	3.31E-10	1.09E-09	7.53E-11	1.50E-09
10351	470311.85	3820929.32	3.87E-09	1.62E-08	1.46E-09	2.16E-08	3.22E-09	1.19E-08	1.05E-09	1.62E-08	3.65E-10	2.09E-09	2.50E-10	2.71E-09	3.32E-10	1.09E-09	7.55E-11	1.50E-09
10352	470302.93	3820932.88	3.88E-09	1.63E-08	1.47E-09	2.16E-08	3.23E-09	1.20E-08	1.05E-09	1.63E-08	3.67E-10	2.10E-09	2.50E-10	2.72E-09	3.33E-10	1.10E-09	7.57E-11	1.51E-09
10353	470294.02	3820936.44	3.89E-09	1.64E-08	1.47E-09	2.17E-08	3.24E-09	1.20E-08	1.06E-09	1.63E-08	3.68E-10	2.11E-09	2.51E-10	2.72E-09	3.34E-10	1.10E-09	7.60E-11	1.51E-09
10354	470285.11	3820940	3.91E-09	1.64E-08	1.48E-09	2.18E-08	3.25E-09	1.21E-08	1.06E-09	1.64E-08	3.69E-10	2.11E-09	2.52E-10	2.73E-09	3.35E-10	1.11E-09	7.62E-11	1.52E-09
10355	470276.2	3820943.56	3.92E-09	1.65E-08	1.48E-09	2.19E-08	3.27E-09	1.21E-08	1.06E-09	1.64E-08	3.70E-10	2.12E-09	2.53E-10	2.74E-09	3.37E-10	1.11E-09	7.65E-11	1.52E-09
10356	470267.28	3820947.12	3.94E-09	1.65E-08	1.49E-09	2.20E-08	3.28E-09	1.21E-08	1.07E-09	1.65E-08	3.72E-10	2.13E-09	2.54E-10	2.75E-09	3.38E-10	1.11E-09	7.68E-11	1.53E-09
10357	471779.19	3819463.69	1.92E-09	8.08E-09	7.28E-10	1.07E-08	1.60E-09	5.94E-09	5.22E-10	8.06E-09	1.82E-10	1.04E-09	1.24E-10	1.35E-09	1.65E-10	5.45E-10	3.76E-11	7.48E-10
10358	471779.28	3819454.04	1.92E-09	8.06E-09	7.26E-10	1.07E-08	1.60E-09	5.92E-09	5.21E-10	8.04E-09	1.81E-10	1.04E-09	1.24E-10	1.34E-09	1.65E-10	5.43E-10	3.75E-11	7.46E-10
10359	471779.36	3819444.39	1.91E-09	8.04E-09	7.24E-10	1.07E-08	1.59E-09	5.91E-09	5.20E-10	8.02E-09	1.81E-10	1.03E-09	1.23E-10	1.34E-09	1.64E-10	5.42E-10	3.74E-11	7.44E-10
10360	471779.44	3819434.75	1.91E-09	8.02E-09	7.22E-10	1.06E-08	1.59E-09	5.89E-09	5.18E-10	8.00E-09	1.80E-10	1.03E-09	1.23E-10	1.34E-09	1.64E-10	5.40E-10	3.72E-11	7.41E-10
10361	471779.53	3819425.1	1.90E-09	7.99E-09	7.20E-10	1.06E-08	1.58E-09	5.87E-09	5.16E-10	7.97E-09	1.80E-10	1.03E-09	1.23E-10	1.33E-09	1.63E-10	5.39E-10	3.71E-11	7.39E-10
10362	471779.61	3819415.45	1.90E-09	7.96E-09	7.17E-10	1.06E-08	1.58E-09	5.85E-09	5.15E-10	7.94E-09	1.79E-10	1.02E-09	1.22E-10	1.33E-09	1.63E-10	5.37E-10	3.70E-11	7.36E-10
10363	471779.69	3819405.8	1.89E-09	7.93E-09	7.14E-10	1.05E-08	1.57E-09	5.83E-09	5.13E-10	7.91E-09	1.78E-10	1.02E-09	1.22E-10	1.32E-09	1.62E-10	5.35E-10	3.69E-11	7.34E-10
10364	471779.77	3819396.15	1.88E-09	7.90E-09	7.11E-10	1.05E-08	1.57E-09	5.80E-09	5.11E-10	7.88E-09	1.78E-10	1.02E-09	1.21E-10	1.32E-09	1.61E-10	5.32E-10	3.67E-11	7.30E-10
10365	471779.86	3819386.51	1.87E-09	7.86E-09	7.08E-10	1.04E-08	1.56E-09	5.78E-09	5.08E-10	7.85E-09	1.77E-10	1.01E-09	1.21E-10	1.31E-09	1.61E-10	5.30E-10	3.65E-11	7.27E-10
10366	471779.94	3819376.86	1.86E-09	7.83E-09	7.05E-10	1.04E-08	1.55E-09	5.75E-09	5.06E-10	7.81E-09	1.76E-10	1.01E-09	1.20E-10	1.30E-09	1.60E-10	5.27E-10	3.64E-11	7.24E-10
10367	471780.02	3819367.21	1.85E-09	7.79E-09	7.01E-10	1.03E-08	1.54E-09	5.72E-09	5.03E-10	7.77E-09	1.75E-10	1.00E-09	1.20E-10	1.30E-09	1.59E-10	5.25E-10	3.62E-11	7.20E-10
10368	471780.1	3819357.56	1.84E-09	7.75E-09	6.98E-10	1.03E-08	1.54E-09	5.69E-09	5.01E-10	7.73E-09	1.74E-10	9.97E-10	1.19E-10	1.29E-09	1.58E-10	5.22E-10	3.60E-11	7.17E-10
10369	471780.19	3819347.91	1.83E-09	7.70E-09	6.94E-10	1.02E-08	1.53E-09	5.66E-09	4.98E-10	7.69E-09	1.73E-10	9.92E-10	1.18E-10	1.28E-09	1.57E-10	5.19E-10	3.58E-11	7.13E-10
10370	471780.27	3819338.26	1.82E-09	7.66E-09	6.90E-10	1.02E-08	1.52E-09	5.63E-09	4.95E-10	7.64E-09	1.72E-10	9.86E-10	1.18E-10	1.28E-09	1.57E-10	5.16E-10	3.56E-11	7.08E-10
10371	471780.35	3819328.62	1.81E-09	7.61E-09	6.86E-10	1.01E-08	1.51E-09	5.59E-09	4.92E-10	7.60E-09	1.71E-10	9.80E-10	1.17E-10	1.27E-09	1.56E-10	5.13E-10	3.54E-11	7.04E-10
10372	471780.44	3819318.97	1.80E-09	7.56E-09	6.81E-10	1.00E-08	1.50E-09	5.56E-09	4.89E-10	7.55E-09	1.70E-10	9.74E-10	1.16E-10	1.26E-09	1.55E-10	5.10E-10	3.51E-11	7.00E-10
10373	471780.52	3819309.32	1.79E-09	7.51E-09	6.76E-10	9.98E-09	1.49E-09	5.52E-09	4.86E-10	7.49E-09	1.69E-10	9.67E-10	1.15E-10	1.25E-09	1.54E-10	5.06E-10	3.49E-11	6.95E-10
10374	471780.6	3819299.67	1.78E-09	7.46E-09	6.72E-10	9.90E-09	1.48E-09	5.48E-09	4.82E-10	7.44E-09	1.68E-10	9.60E-10	1.15E-10	1.24E-09	1.52E-10	5.03E-10	3.46E-11	6.90E-10
10375	471780.68	3819290.02	1.76E-09	7.40E-09	6.67E-10	9.83E-09	1.47E-09	5.44E-09	4.78E-10	7.39E-09	1.66E-10	9.53E-10	1.14E-10	1.23E-09	1.51E-10	4.99E-10	3.44E-11	6.85E-10
10376	471780.77	3819280.38	1.75E-09	7.34E-09	6.61E-10	9.75E-09	1.46E-09	5.40E-09	4.75E-10	7.33E-09	1.65E-10	9.45E-10	1.13E-10	1.22E-09	1.50E-10	4.95E-10	3.41E-11	6.79E-10
10377	471780.85	3819270.73	1.73E-09	7.28E-09	6.56E-10	9.67E-09	1.44E-09	5.35E-09	4.71E-10	7.27E-09	1.64E-10	9.38E-10	1.12E-10	1.21E-09	1.49E-10	4.91E-10	3.38E-11	6.74E-10
10378	471780.93	3819261.08	1.72E-09	7.22E-09	6.51E-10	9.59E-09	1.43E-09	5.31E-09	4.67E-10	7.21E-09	1.62E-10	9.30E-10	1.11E-10	1.20E-09	1.48E-10	4.87E-10	3.36E-11	6.68E-10
10379	470104.7	3819448.4	3.93E-07	1.65E-06	1.49E-07	2.19E-06	3.28E-07	1.21E-06	1.07E-07	1.65E-06	3.71E-08	2.13E-07	2.54E-08	2.75E-07	3.38E-08	1.11E-07	7.67E-09	1.53E-07
10380	470108.95	3819236.14	2.16E-07	9.07E-07	8.16E-08	1.20E-06	1.80E-07	6.66E-07	5.86E-08	9.05E-07	2.04E-08	1.17E-07	1.39E-08	1.51E-07	1.85E-08	6.11E-08	4.21E-09	8.38E-08
10381	470281.07	3819238.57	3.61E-07	1.52E-06	1.37E-07	2.02E-06	3.01E-07	1.11E-06	9.81E-08	1.51E-06	3.41E-08	1.95E-07	2.33E-08	2.53E-07	3.10E-08	1.02E-07	7.05E-09	1.40E-07
10382	470279.25	3819450.83	4.60E-07	1.93E-06	1.74E-07	2.57E-06	3.83E-07	1.42E-06	1.25E-07	1.93E-06	4.35E-08	2.49E-07	2.97E-08	3.22E-07	3.95E-08	1.30E-07	8.98E-09	1.79E-07

			T2		6191	T3			T4i			T4f		
			6187	469271.68	3820105.65									
			2.96E-05	1.24E-04	1.12E-05	2.47E-05	9.14E-05	8.04E-06	2.80E-06	1.60E-05	1.91E-06	2.54E-06	8.38E-06	5.78E-07
			Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3
1	470223.98	3819217.76	2.48E-03	1.04E-02	9.39E-04	2.07E-03	7.66E-03	6.74E-04	2.35E-04	1.34E-03	1.60E-04	2.13E-04	7.03E-04	4.85E-05
2	470214.42	3819217.63	2.53E-03	1.06E-02	9.57E-04	2.11E-03	7.80E-03	6.87E-04	2.39E-04	1.37E-03	1.63E-04	2.17E-04	7.16E-04	4.94E-05
3	470204.85	3819217.49	2.55E-03	1.07E-02	9.63E-04	2.12E-03	7.86E-03	6.91E-04	2.40E-04	1.38E-03	1.64E-04	2.19E-04	7.21E-04	4.97E-05
4	470195.29	3819217.36	2.54E-03	1.07E-02	9.60E-04	2.12E-03	7.84E-03	6.89E-04	2.40E-04	1.37E-03	1.64E-04	2.18E-04	7.19E-04	4.95E-05
5	470185.73	3819217.22	2.51E-03	1.05E-02	9.48E-04	2.09E-03	7.73E-03	6.80E-04	2.37E-04	1.35E-03	1.62E-04	2.15E-04	7.09E-04	4.89E-05
6	470271.93	3819208.44	1.35E-03	5.68E-03	5.12E-04	1.13E-03	4.17E-03	3.67E-04	1.28E-04	7.31E-04	8.73E-05	1.16E-04	3.83E-04	2.64E-05
7	470262.37	3819208.3	1.51E-03	6.34E-03	5.71E-04	1.26E-03	4.66E-03	4.10E-04	1.43E-04	8.17E-04	9.74E-05	1.30E-04	4.28E-04	2.95E-05
8	470252.81	3819208.17	1.65E-03	6.92E-03	6.24E-04	1.37E-03	5.09E-03	4.48E-04	1.56E-04	8.91E-04	1.06E-04	1.42E-04	4.67E-04	3.22E-05
9	470243.24	3819208.03	1.76E-03	7.41E-03	6.67E-04	1.47E-03	5.44E-03	4.79E-04	1.67E-04	9.54E-04	1.14E-04	1.51E-04	4.99E-04	3.44E-05
10	470233.68	3819207.9	1.85E-03	7.77E-03	7.00E-04	1.54E-03	5.71E-03	5.02E-04	1.75E-04	1.00E-03	1.19E-04	1.59E-04	5.24E-04	3.61E-05
11	470224.12	3819207.76	1.91E-03	8.04E-03	7.24E-04	1.59E-03	5.91E-03	5.20E-04	1.81E-04	1.03E-03	1.23E-04	1.64E-04	5.42E-04	3.74E-05
12	470214.56	3819207.63	1.96E-03	8.22E-03	7.40E-04	1.63E-03	6.04E-03	5.31E-04	1.85E-04	1.06E-03	1.26E-04	1.68E-04	5.54E-04	3.82E-05
13	470205	3819207.49	1.98E-03	8.30E-03	7.47E-04	1.65E-03	6.10E-03	5.36E-04	1.87E-04	1.07E-03	1.27E-04	1.70E-04	5.59E-04	3.86E-05
14	470195.43	3819207.36	1.98E-03	8.30E-03	7.47E-04	1.65E-03	6.10E-03	5.36E-04	1.87E-04	1.07E-03	1.27E-04	1.70E-04	5.59E-04	3.86E-05
15	470185.87	3819207.22	1.96E-03	8.21E-03	7.40E-04	1.63E-03	6.03E-03	5.31E-04	1.85E-04	1.06E-03	1.26E-04	1.68E-04	5.53E-04	3.82E-05
16	470166.75	3819206.95	1.86E-03	7.79E-03	7.02E-04	1.55E-03	5.72E-03	5.04E-04	1.75E-04	1.00E-03	1.20E-04	1.59E-04	5.25E-04	3.62E-05
17	470157.18	3819206.82	1.77E-03	7.44E-03	6.70E-04	1.48E-03	5.47E-03	4.81E-04	1.67E-04	9.58E-04	1.14E-04	1.52E-04	5.02E-04	3.46E-05
18	470147.62	3819206.68	1.66E-03	6.99E-03	6.29E-04	1.39E-03	5.13E-03	4.52E-04	1.57E-04	8.99E-04	1.07E-04	1.43E-04	4.71E-04	3.25E-05
19	470138.06	3819206.55	1.53E-03	6.41E-03	5.77E-04	1.27E-03	4.71E-03	4.14E-04	1.44E-04	8.25E-04	9.85E-05	1.31E-04	4.32E-04	2.98E-05
20	470128.5	3819206.41	1.36E-03	5.71E-03	5.15E-04	1.13E-03	4.20E-03	3.69E-04	1.28E-04	7.36E-04	8.78E-05	1.17E-04	3.85E-04	2.66E-05
21	470118.94	3819206.28	1.18E-03	4.97E-03	4.48E-04	9.87E-04	3.66E-03	3.22E-04	1.12E-04	6.40E-04	7.64E-05	1.02E-04	3.35E-04	2.31E-05
22	470109.37	3819206.14	1.01E-03	4.26E-03	3.84E-04	8.45E-04	3.13E-03	2.75E-04	9.58E-05	5.48E-04	6.54E-05	8.71E-05	2.87E-04	1.98E-05
23	470272.07	3819198.44	1.10E-03	4.62E-03	4.16E-04	9.16E-04	3.39E-03	2.98E-04	1.04E-04	5.94E-04	7.09E-05	9.44E-05	3.11E-04	2.15E-05
24	470262.51	3819198.3	1.20E-03	5.05E-03	4.55E-04	1.00E-03	3.71E-03	3.26E-04	1.14E-04	6.50E-04	7.76E-05	1.03E-04	3.40E-04	2.35E-05
25	470252.95	3819198.17	1.31E-03	5.49E-03	4.94E-04	1.09E-03	4.03E-03	3.55E-04	1.23E-04	7.06E-04	8.43E-05	1.12E-04	3.70E-04	2.55E-05
26	470243.39	3819198.03	1.40E-03	5.87E-03	5.29E-04	1.17E-03	4.32E-03	3.80E-04	1.32E-04	7.56E-04	9.02E-05	1.20E-04	3.96E-04	2.73E-05
27	470233.82	3819197.9	1.47E-03	6.19E-03	5.57E-04	1.23E-03	4.55E-03	4.00E-04	1.39E-04	7.97E-04	9.51E-05	1.27E-04	4.17E-04	2.88E-05
28	470224.26	3819197.76	1.53E-03	6.42E-03	5.79E-04	1.27E-03	4.72E-03	4.15E-04	1.44E-04	8.27E-04	9.87E-05	1.31E-04	4.33E-04	2.99E-05
29	470214.7	3819197.63	1.57E-03	6.59E-03	5.93E-04	1.31E-03	4.84E-03	4.26E-04	1.48E-04	8.48E-04	1.01E-04	1.35E-04	4.44E-04	3.06E-05
30	470205.14	3819197.49	1.59E-03	6.67E-03	6.01E-04	1.32E-03	4.90E-03	4.31E-04	1.50E-04	8.59E-04	1.03E-04	1.36E-04	4.50E-04	3.10E-05
31	470195.57	3819197.36	1.59E-03	6.70E-03	6.03E-04	1.33E-03	4.92E-03	4.33E-04	1.51E-04	8.62E-04	1.03E-04	1.37E-04	4.51E-04	3.11E-05
32	470186.01	3819197.22	1.58E-03	6.65E-03	5.99E-04	1.32E-03	4.88E-03	4.30E-04	1.49E-04	8.56E-04	1.02E-04	1.36E-04	4.48E-04	3.09E-05
33	470166.89	3819196.95	1.51E-03	6.34E-03	5.71E-04	1.26E-03	4.66E-03	4.10E-04	1.43E-04	8.17E-04	9.74E-05	1.30E-04	4.28E-04	2.95E-05
34	470157.33	3819196.82	1.45E-03	6.08E-03	5.48E-04	1.21E-03	4.47E-03	3.93E-04	1.37E-04	7.83E-04	9.34E-05	1.24E-04	4.10E-04	2.83E-05
35	470147.76	3819196.68	1.37E-03	5.74E-03	5.17E-04	1.14E-03	4.22E-03	3.71E-04	1.29E-04	7.39E-04	8.82E-05	1.17E-04	3.87E-04	2.67E-05
36	470138.2	3819196.55	1.27E-03	5.32E-03	4.79E-04	1.06E-03	3.91E-03	3.44E-04	1.20E-04	6.85E-04	8.18E-05	1.09E-04	3.59E-04	2.47E-05
37	470128.64	3819196.41	1.15E-03	4.82E-03	4.34E-04	9.57E-04	3.55E-03	3.12E-04	1.08E-04	6.21E-04	7.41E-05	9.86E-05	3.25E-04	2.24E-05
38	470119.08	3819196.28	1.02E-03	4.30E-03	3.87E-04	8.52E-04	3.16E-03	2.78E-04	9.66E-05	5.53E-04	6.60E-05	8.78E-05	2.90E-04	2.00E-05

39	470109.51	3819196.14	8.98E-04	3.77E-03	3.39E-04	7.48E-04	2.77E-03	2.44E-04	8.48E-05	4.85E-04	5.79E-05	7.71E-05	2.54E-04	1.75E-05
40	470320.39	3819212.46	7.73E-04	3.25E-03	2.92E-04	6.44E-04	2.39E-03	2.10E-04	7.30E-05	4.18E-04	4.99E-05	6.64E-05	2.19E-04	1.51E-05
41	470272.21	3819188.44	9.14E-04	3.84E-03	3.46E-04	7.61E-04	2.82E-03	2.48E-04	8.63E-05	4.94E-04	5.90E-05	7.85E-05	2.59E-04	1.78E-05
42	470262.65	3819188.3	9.94E-04	4.17E-03	3.76E-04	8.28E-04	3.07E-03	2.70E-04	9.38E-05	5.37E-04	6.41E-05	8.53E-05	2.81E-04	1.94E-05
43	470253.09	3819188.17	1.07E-03	4.51E-03	4.06E-04	8.95E-04	3.31E-03	2.92E-04	1.01E-04	5.81E-04	6.93E-05	9.22E-05	3.04E-04	2.10E-05
44	470243.53	3819188.03	1.15E-03	4.82E-03	4.34E-04	9.56E-04	3.54E-03	3.11E-04	1.08E-04	6.20E-04	7.40E-05	9.85E-05	3.25E-04	2.24E-05
45	470233.96	3819187.9	1.21E-03	5.08E-03	4.57E-04	1.01E-03	3.73E-03	3.28E-04	1.14E-04	6.54E-04	7.80E-05	1.04E-04	3.42E-04	2.36E-05
46	470224.4	3819187.76	1.26E-03	5.28E-03	4.75E-04	1.05E-03	3.88E-03	3.41E-04	1.19E-04	6.79E-04	8.11E-05	1.08E-04	3.56E-04	2.45E-05
47	470214.84	3819187.63	1.29E-03	5.42E-03	4.88E-04	1.08E-03	3.98E-03	3.51E-04	1.22E-04	6.98E-04	8.33E-05	1.11E-04	3.66E-04	2.52E-05
48	470205.28	3819187.49	1.31E-03	5.51E-03	4.96E-04	1.09E-03	4.05E-03	3.56E-04	1.24E-04	7.09E-04	8.46E-05	1.13E-04	3.71E-04	2.56E-05
49	470195.72	3819187.36	1.32E-03	5.54E-03	4.99E-04	1.10E-03	4.07E-03	3.58E-04	1.25E-04	7.13E-04	8.51E-05	1.13E-04	3.73E-04	2.57E-05
50	470186.15	3819187.22	1.31E-03	5.52E-03	4.97E-04	1.09E-03	4.05E-03	3.57E-04	1.24E-04	7.10E-04	8.47E-05	1.13E-04	3.72E-04	2.56E-05
51	470167.03	3819186.95	1.26E-03	5.29E-03	4.77E-04	1.05E-03	3.89E-03	3.42E-04	1.19E-04	6.81E-04	8.13E-05	1.08E-04	3.57E-04	2.46E-05
52	470157.47	3819186.82	1.21E-03	5.09E-03	4.58E-04	1.01E-03	3.74E-03	3.29E-04	1.14E-04	6.55E-04	7.82E-05	1.04E-04	3.43E-04	2.37E-05
53	470147.9	3819186.68	1.15E-03	4.83E-03	4.35E-04	9.58E-04	3.55E-03	3.12E-04	1.09E-04	6.22E-04	7.42E-05	9.87E-05	3.25E-04	2.24E-05
54	470138.34	3819186.55	1.07E-03	4.51E-03	4.06E-04	8.95E-04	3.31E-03	2.92E-04	1.01E-04	5.81E-04	6.93E-05	9.22E-05	3.04E-04	2.10E-05
55	470128.78	3819186.41	9.87E-04	4.14E-03	3.73E-04	8.22E-04	3.04E-03	2.68E-04	9.32E-05	5.33E-04	6.36E-05	8.47E-05	2.79E-04	1.93E-05
56	470119.22	3819186.28	8.93E-04	3.75E-03	3.38E-04	7.44E-04	2.76E-03	2.43E-04	8.44E-05	4.83E-04	5.76E-05	7.67E-05	2.53E-04	1.74E-05
57	470109.66	3819186.14	7.99E-04	3.36E-03	3.02E-04	6.66E-04	2.47E-03	2.17E-04	7.55E-05	4.32E-04	5.15E-05	6.86E-05	2.26E-04	1.56E-05
58	470315.56	3819193.02	6.18E-04	2.59E-03	2.34E-04	5.14E-04	1.91E-03	1.68E-04	5.83E-05	3.34E-04	3.98E-05	5.30E-05	1.75E-04	1.21E-05
59	470327.39	3819205.12	6.45E-04	2.71E-03	2.44E-04	5.37E-04	1.99E-03	1.75E-04	6.09E-05	3.49E-04	4.16E-05	5.54E-05	1.83E-04	1.26E-05
60	470330.81	3819213.61	7.00E-04	2.94E-03	2.65E-04	5.83E-04	2.16E-03	1.90E-04	6.61E-05	3.78E-04	4.51E-05	6.01E-05	1.98E-04	1.37E-05
61	470272.35	3819178.44	7.76E-04	3.26E-03	2.93E-04	6.46E-04	2.39E-03	2.11E-04	7.33E-05	4.19E-04	5.00E-05	6.66E-05	2.20E-04	1.51E-05
62	470262.79	3819178.31	8.41E-04	3.53E-03	3.18E-04	7.00E-04	2.59E-03	2.28E-04	7.94E-05	4.54E-04	5.42E-05	7.22E-05	2.38E-04	1.64E-05
63	470253.23	3819178.17	9.05E-04	3.80E-03	3.42E-04	7.54E-04	2.79E-03	2.46E-04	8.54E-05	4.89E-04	5.83E-05	7.77E-05	2.56E-04	1.77E-05
64	470243.67	3819178.04	9.64E-04	4.05E-03	3.64E-04	8.03E-04	2.97E-03	2.62E-04	9.10E-05	5.21E-04	6.22E-05	8.27E-05	2.73E-04	1.88E-05
65	470234.11	3819177.9	1.01E-03	4.26E-03	3.83E-04	8.45E-04	3.13E-03	2.75E-04	9.58E-05	5.48E-04	6.54E-05	8.70E-05	2.87E-04	1.98E-05
66	470224.54	3819177.77	1.05E-03	4.43E-03	3.99E-04	8.79E-04	3.26E-03	2.86E-04	9.96E-05	5.70E-04	6.80E-05	9.06E-05	2.99E-04	2.06E-05
67	470214.98	3819177.63	1.09E-03	4.56E-03	4.10E-04	9.04E-04	3.35E-03	2.95E-04	1.02E-04	5.87E-04	7.00E-05	9.32E-05	3.07E-04	2.12E-05
68	470205.42	3819177.5	1.10E-03	4.64E-03	4.18E-04	9.20E-04	3.41E-03	3.00E-04	1.04E-04	5.97E-04	7.12E-05	9.48E-05	3.13E-04	2.16E-05
69	470195.86	3819177.36	1.11E-03	4.67E-03	4.21E-04	9.27E-04	3.43E-03	3.02E-04	1.05E-04	6.02E-04	7.18E-05	9.56E-05	3.15E-04	2.17E-05
70	470186.29	3819177.23	1.11E-03	4.66E-03	4.20E-04	9.25E-04	3.43E-03	3.02E-04	1.05E-04	6.00E-04	7.16E-05	9.54E-05	3.14E-04	2.17E-05
71	470167.17	3819176.96	1.07E-03	4.50E-03	4.05E-04	8.93E-04	3.31E-03	2.91E-04	1.01E-04	5.79E-04	6.91E-05	9.20E-05	3.03E-04	2.09E-05
72	470157.61	3819176.82	1.03E-03	4.34E-03	3.91E-04	8.61E-04	3.19E-03	2.81E-04	9.76E-05	5.59E-04	6.67E-05	8.87E-05	2.93E-04	2.02E-05
73	470148.05	3819176.69	9.84E-04	4.13E-03	3.72E-04	8.20E-04	3.04E-03	2.67E-04	9.30E-05	5.32E-04	6.35E-05	8.45E-05	2.79E-04	1.92E-05
74	470138.48	3819176.55	9.26E-04	3.89E-03	3.50E-04	7.71E-04	2.86E-03	2.51E-04	8.74E-05	5.00E-04	5.97E-05	7.95E-05	2.62E-04	1.81E-05
75	470128.92	3819176.42	8.60E-04	3.61E-03	3.25E-04	7.16E-04	2.65E-03	2.33E-04	8.12E-05	4.65E-04	5.55E-05	7.38E-05	2.43E-04	1.68E-05
76	470119.36	3819176.28	7.89E-04	3.31E-03	2.98E-04	6.57E-04	2.43E-03	2.14E-04	7.45E-05	4.26E-04	5.09E-05	6.77E-05	2.23E-04	1.54E-05
77	470109.8	3819176.15	7.16E-04	3.01E-03	2.71E-04	5.96E-04	2.21E-03	1.94E-04	6.76E-05	3.87E-04	4.62E-05	6.15E-05	2.03E-04	1.40E-05
78	470322.95	3819186.13	5.25E-04	2.21E-03	1.99E-04	4.38E-04	1.62E-03	1.43E-04	4.96E-05	2.84E-04	3.39E-05	4.51E-05	1.49E-04	1.03E-05
79	470334.45	3819197.89	5.47E-04	2.30E-03	2.07E-04	4.56E-04	1.69E-03	1.48E-04	5.17E-05	2.96E-04	3.53E-05	4.70E-05	1.55E-04	1.07E-05
80	470341.1	3819214.4	6.35E-04	2.67E-03	2.40E-04	5.29E-04	1.96E-03	1.72E-04	5.99E-05	3.43E-04	4.09E-05	5.45E-05	1.80E-04	1.24E-05

81	470272.5	3819168.44	6.69E-04	2.81E-03	2.53E-04	5.57E-04	2.07E-03	1.82E-04	6.32E-05	3.62E-04	4.32E-05	5.74E-05	1.89E-04	1.31E-05
82	470262.93	3819168.31	7.23E-04	3.04E-03	2.74E-04	6.03E-04	2.23E-03	1.96E-04	6.83E-05	3.91E-04	4.67E-05	6.21E-05	2.05E-04	1.41E-05
83	470253.37	3819168.17	7.76E-04	3.26E-03	2.93E-04	6.46E-04	2.39E-03	2.11E-04	7.32E-05	4.19E-04	5.00E-05	6.66E-05	2.20E-04	1.51E-05
84	470243.81	3819168.04	8.24E-04	3.46E-03	3.12E-04	6.86E-04	2.54E-03	2.24E-04	7.78E-05	4.45E-04	5.31E-05	7.07E-05	2.33E-04	1.61E-05
85	470234.25	3819167.9	8.66E-04	3.64E-03	3.27E-04	7.21E-04	2.67E-03	2.35E-04	8.17E-05	4.68E-04	5.58E-05	7.43E-05	2.45E-04	1.69E-05
86	470224.68	3819167.77	9.00E-04	3.78E-03	3.41E-04	7.50E-04	2.78E-03	2.44E-04	8.50E-05	4.87E-04	5.81E-05	7.73E-05	2.55E-04	1.76E-05
87	470215.12	3819167.63	9.27E-04	3.89E-03	3.50E-04	7.72E-04	2.86E-03	2.52E-04	8.75E-05	5.01E-04	5.98E-05	7.96E-05	2.62E-04	1.81E-05
88	470205.56	3819167.5	9.45E-04	3.97E-03	3.57E-04	7.87E-04	2.91E-03	2.56E-04	8.92E-05	5.11E-04	6.09E-05	8.11E-05	2.67E-04	1.84E-05
89	470196	3819167.36	9.53E-04	4.00E-03	3.61E-04	7.94E-04	2.94E-03	2.59E-04	9.00E-05	5.15E-04	6.15E-05	8.18E-05	2.70E-04	1.86E-05
90	470186.44	3819167.23	9.53E-04	4.00E-03	3.61E-04	7.94E-04	2.94E-03	2.59E-04	9.00E-05	5.15E-04	6.15E-05	8.18E-05	2.70E-04	1.86E-05
91	470167.31	3819166.96	9.24E-04	3.88E-03	3.50E-04	7.70E-04	2.85E-03	2.51E-04	8.73E-05	5.00E-04	5.96E-05	7.93E-05	2.62E-04	1.80E-05
92	470157.75	3819166.82	8.94E-04	3.75E-03	3.38E-04	7.44E-04	2.76E-03	2.43E-04	8.44E-05	4.83E-04	5.76E-05	7.67E-05	2.53E-04	1.74E-05
93	470148.19	3819166.69	8.54E-04	3.59E-03	3.23E-04	7.12E-04	2.64E-03	2.32E-04	8.07E-05	4.62E-04	5.51E-05	7.34E-05	2.42E-04	1.67E-05
94	470138.62	3819166.55	8.08E-04	3.39E-03	3.06E-04	6.73E-04	2.49E-03	2.19E-04	7.63E-05	4.37E-04	5.21E-05	6.94E-05	2.29E-04	1.58E-05
95	470129.06	3819166.42	7.57E-04	3.18E-03	2.86E-04	6.31E-04	2.34E-03	2.06E-04	7.15E-05	4.09E-04	4.88E-05	6.50E-05	2.14E-04	1.48E-05
96	470119.5	3819166.28	7.02E-04	2.95E-03	2.65E-04	5.85E-04	2.17E-03	1.91E-04	6.63E-05	3.79E-04	4.53E-05	6.03E-05	1.99E-04	1.37E-05
97	470109.94	3819166.15	6.45E-04	2.71E-03	2.44E-04	5.37E-04	1.99E-03	1.75E-04	6.09E-05	3.49E-04	4.16E-05	5.54E-05	1.83E-04	1.26E-05
98	470322.25	3819175.77	4.67E-04	1.96E-03	1.77E-04	3.89E-04	1.44E-03	1.27E-04	4.41E-05	2.53E-04	3.01E-05	4.01E-05	1.32E-04	9.12E-06
99	470341.53	3819190.73	4.70E-04	1.97E-03	1.78E-04	3.91E-04	1.45E-03	1.28E-04	4.44E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.17E-06
100	470348.04	3819206.91	5.40E-04	2.27E-03	2.04E-04	4.50E-04	1.67E-03	1.47E-04	5.10E-05	2.92E-04	3.48E-05	4.63E-05	1.53E-04	1.05E-05
101	470272.64	3819158.44	5.87E-04	2.46E-03	2.22E-04	4.89E-04	1.81E-03	1.59E-04	5.54E-05	3.17E-04	3.78E-05	5.04E-05	1.66E-04	1.14E-05
102	470263.07	3819158.31	6.31E-04	2.65E-03	2.39E-04	5.26E-04	1.95E-03	1.71E-04	5.96E-05	3.41E-04	4.07E-05	5.42E-05	1.79E-04	1.23E-05
103	470253.51	3819158.17	6.74E-04	2.83E-03	2.55E-04	5.62E-04	2.08E-03	1.83E-04	6.37E-05	3.65E-04	4.35E-05	5.79E-05	1.91E-04	1.32E-05
104	470243.95	3819158.04	7.14E-04	3.00E-03	2.70E-04	5.95E-04	2.20E-03	1.94E-04	6.74E-05	3.86E-04	4.61E-05	6.13E-05	2.02E-04	1.39E-05
105	470234.39	3819157.9	7.49E-04	3.15E-03	2.83E-04	6.24E-04	2.31E-03	2.03E-04	7.08E-05	4.05E-04	4.83E-05	6.43E-05	2.12E-04	1.46E-05
106	470224.83	3819157.77	7.78E-04	3.27E-03	2.94E-04	6.48E-04	2.40E-03	2.11E-04	7.35E-05	4.21E-04	5.02E-05	6.68E-05	2.20E-04	1.52E-05
107	470215.26	3819157.63	8.01E-04	3.36E-03	3.03E-04	6.67E-04	2.47E-03	2.17E-04	7.56E-05	4.33E-04	5.16E-05	6.87E-05	2.27E-04	1.56E-05
108	470205.7	3819157.5	8.16E-04	3.43E-03	3.09E-04	6.80E-04	2.52E-03	2.21E-04	7.70E-05	4.41E-04	5.26E-05	7.00E-05	2.31E-04	1.59E-05
109	470196.14	3819157.36	8.24E-04	3.46E-03	3.12E-04	6.86E-04	2.54E-03	2.24E-04	7.78E-05	4.46E-04	5.32E-05	7.07E-05	2.33E-04	1.61E-05
110	470186.58	3819157.23	8.25E-04	3.47E-03	3.12E-04	6.88E-04	2.55E-03	2.24E-04	7.79E-05	4.46E-04	5.32E-05	7.09E-05	2.34E-04	1.61E-05
111	470167.45	3819156.96	8.04E-04	3.38E-03	3.04E-04	6.70E-04	2.48E-03	2.18E-04	7.59E-05	4.35E-04	5.19E-05	6.90E-05	2.28E-04	1.57E-05
112	470157.89	3819156.82	7.81E-04	3.28E-03	2.95E-04	6.50E-04	2.41E-03	2.12E-04	7.37E-05	4.22E-04	5.04E-05	6.70E-05	2.21E-04	1.52E-05
113	470148.33	3819156.69	7.51E-04	3.15E-03	2.84E-04	6.25E-04	2.32E-03	2.04E-04	7.09E-05	4.06E-04	4.84E-05	6.44E-05	2.12E-04	1.46E-05
114	470138.77	3819156.55	7.14E-04	3.00E-03	2.70E-04	5.95E-04	2.20E-03	1.94E-04	6.74E-05	3.86E-04	4.61E-05	6.13E-05	2.02E-04	1.39E-05
115	470129.2	3819156.42	6.74E-04	2.83E-03	2.55E-04	5.61E-04	2.08E-03	1.83E-04	6.36E-05	3.64E-04	4.35E-05	5.79E-05	1.91E-04	1.31E-05
116	470119.64	3819156.28	6.30E-04	2.64E-03	2.38E-04	5.25E-04	1.94E-03	1.71E-04	5.95E-05	3.40E-04	4.06E-05	5.41E-05	1.78E-04	1.23E-05
117	470110.08	3819156.15	5.84E-04	2.45E-03	2.21E-04	4.86E-04	1.80E-03	1.58E-04	5.51E-05	3.16E-04	3.76E-05	5.01E-05	1.65E-04	1.14E-05
118	470321.77	3819165.5	4.18E-04	1.76E-03	1.58E-04	3.48E-04	1.29E-03	1.14E-04	3.95E-05	2.26E-04	2.70E-05	3.59E-05	1.18E-04	8.16E-06
119	470337.54	3819172.27	3.94E-04	1.65E-03	1.49E-04	3.28E-04	1.22E-03	1.07E-04	3.72E-05	2.13E-04	2.54E-05	3.38E-05	1.11E-04	7.69E-06
120	470348.63	3819183.62	4.08E-04	1.71E-03	1.54E-04	3.40E-04	1.26E-03	1.11E-04	3.85E-05	2.21E-04	2.63E-05	3.50E-05	1.15E-04	7.96E-06
121	470355.04	3819199.54	4.65E-04	1.95E-03	1.76E-04	3.87E-04	1.43E-03	1.26E-04	4.39E-05	2.51E-04	3.00E-05	3.99E-05	1.32E-04	9.07E-06
122	470361.45	3819215.46	5.29E-04	2.22E-03	2.00E-04	4.41E-04	1.63E-03	1.44E-04	5.00E-05	2.86E-04	3.41E-05	4.54E-05	1.50E-04	1.03E-05

123	470272.78	3819148.44	5.20E-04	2.18E-03	1.97E-04	4.33E-04	1.60E-03	1.41E-04	4.91E-05	2.81E-04	3.35E-05	4.46E-05	1.47E-04	1.01E-05
124	470263.22	3819148.31	5.57E-04	2.34E-03	2.11E-04	4.64E-04	1.72E-03	1.51E-04	5.26E-05	3.01E-04	3.59E-05	4.78E-05	1.58E-04	1.09E-05
125	470253.65	3819148.17	5.93E-04	2.49E-03	2.24E-04	4.94E-04	1.83E-03	1.61E-04	5.60E-05	3.21E-04	3.83E-05	5.09E-05	1.68E-04	1.16E-05
126	470244.09	3819148.04	6.27E-04	2.63E-03	2.37E-04	5.22E-04	1.93E-03	1.70E-04	5.92E-05	3.39E-04	4.04E-05	5.38E-05	1.77E-04	1.22E-05
127	470234.53	3819147.9	6.56E-04	2.76E-03	2.48E-04	5.47E-04	2.03E-03	1.78E-04	6.20E-05	3.55E-04	4.23E-05	5.63E-05	1.86E-04	1.28E-05
128	470224.97	3819147.77	6.81E-04	2.86E-03	2.57E-04	5.67E-04	2.10E-03	1.85E-04	6.43E-05	3.68E-04	4.39E-05	5.84E-05	1.93E-04	1.33E-05
129	470215.4	3819147.63	6.99E-04	2.94E-03	2.64E-04	5.82E-04	2.16E-03	1.90E-04	6.60E-05	3.78E-04	4.51E-05	6.00E-05	1.98E-04	1.36E-05
130	470205.84	3819147.5	7.12E-04	2.99E-03	2.69E-04	5.93E-04	2.20E-03	1.93E-04	6.73E-05	3.85E-04	4.59E-05	6.11E-05	2.02E-04	1.39E-05
131	470196.28	3819147.36	7.20E-04	3.02E-03	2.72E-04	6.00E-04	2.22E-03	1.95E-04	6.80E-05	3.89E-04	4.64E-05	6.18E-05	2.04E-04	1.40E-05
132	470186.72	3819147.23	7.22E-04	3.03E-03	2.73E-04	6.01E-04	2.23E-03	1.96E-04	6.82E-05	3.90E-04	4.66E-05	6.20E-05	2.04E-04	1.41E-05
133	470158.03	3819146.82	6.89E-04	2.89E-03	2.61E-04	5.74E-04	2.13E-03	1.87E-04	6.50E-05	3.72E-04	4.44E-05	5.91E-05	1.95E-04	1.34E-05
134	470148.47	3819146.69	6.65E-04	2.79E-03	2.52E-04	5.54E-04	2.05E-03	1.81E-04	6.28E-05	3.60E-04	4.29E-05	5.71E-05	1.88E-04	1.30E-05
135	470138.91	3819146.55	6.37E-04	2.67E-03	2.41E-04	5.30E-04	1.96E-03	1.73E-04	6.01E-05	3.44E-04	4.11E-05	5.46E-05	1.80E-04	1.24E-05
136	470129.34	3819146.42	6.04E-04	2.54E-03	2.28E-04	5.03E-04	1.86E-03	1.64E-04	5.70E-05	3.27E-04	3.90E-05	5.19E-05	1.71E-04	1.18E-05
137	470119.78	3819146.28	5.68E-04	2.39E-03	2.15E-04	4.73E-04	1.75E-03	1.54E-04	5.37E-05	3.07E-04	3.66E-05	4.88E-05	1.61E-04	1.11E-05
138	470110.22	3819146.15	5.31E-04	2.23E-03	2.01E-04	4.42E-04	1.64E-03	1.44E-04	5.01E-05	2.87E-04	3.42E-05	4.55E-05	1.50E-04	1.04E-05
139	470317.53	3819153.62	3.83E-04	1.61E-03	1.45E-04	3.19E-04	1.18E-03	1.04E-04	3.62E-05	2.07E-04	2.47E-05	3.29E-05	1.09E-04	7.48E-06
140	470326.29	3819157.38	3.70E-04	1.55E-03	1.40E-04	3.08E-04	1.14E-03	1.00E-04	3.50E-05	2.00E-04	2.39E-05	3.18E-05	1.05E-04	7.22E-06
141	470335.05	3819161.14	3.58E-04	1.50E-03	1.35E-04	2.98E-04	1.10E-03	9.71E-05	3.38E-05	1.93E-04	2.31E-05	3.07E-05	1.01E-04	6.98E-06
142	470343.82	3819164.91	3.47E-04	1.46E-03	1.31E-04	2.89E-04	1.07E-03	9.41E-05	3.28E-05	1.87E-04	2.24E-05	2.98E-05	9.82E-05	6.77E-06
143	470356.14	3819177.51	3.60E-04	1.51E-03	1.36E-04	3.00E-04	1.11E-03	9.77E-05	3.40E-05	1.95E-04	2.32E-05	3.09E-05	1.02E-04	7.02E-06
144	470359.7	3819186.36	3.85E-04	1.62E-03	1.46E-04	3.21E-04	1.19E-03	1.05E-04	3.64E-05	2.08E-04	2.49E-05	3.31E-05	1.09E-04	7.52E-06
145	470363.26	3819195.2	4.13E-04	1.74E-03	1.56E-04	3.44E-04	1.28E-03	1.12E-04	3.90E-05	2.24E-04	2.67E-05	3.55E-05	1.17E-04	8.07E-06
146	470366.82	3819204.05	4.44E-04	1.86E-03	1.68E-04	3.70E-04	1.37E-03	1.20E-04	4.19E-05	2.40E-04	2.86E-05	3.81E-05	1.26E-04	8.66E-06
147	470370.38	3819212.89	4.76E-04	2.00E-03	1.80E-04	3.96E-04	1.47E-03	1.29E-04	4.49E-05	2.57E-04	3.07E-05	4.08E-05	1.35E-04	9.28E-06
148	470272.92	3819138.44	4.65E-04	1.95E-03	1.76E-04	3.87E-04	1.43E-03	1.26E-04	4.39E-05	2.51E-04	3.00E-05	3.99E-05	1.32E-04	9.07E-06
149	470263.36	3819138.31	4.96E-04	2.08E-03	1.88E-04	4.13E-04	1.53E-03	1.35E-04	4.69E-05	2.68E-04	3.20E-05	4.26E-05	1.40E-04	9.68E-06
150	470253.79	3819138.17	5.27E-04	2.21E-03	1.99E-04	4.39E-04	1.62E-03	1.43E-04	4.97E-05	2.85E-04	3.40E-05	4.52E-05	1.49E-04	1.03E-05
151	470244.23	3819138.04	5.55E-04	2.33E-03	2.10E-04	4.62E-04	1.71E-03	1.51E-04	5.24E-05	3.00E-04	3.58E-05	4.76E-05	1.57E-04	1.08E-05
152	470234.67	3819137.9	5.80E-04	2.44E-03	2.20E-04	4.83E-04	1.79E-03	1.58E-04	5.48E-05	3.14E-04	3.74E-05	4.98E-05	1.64E-04	1.13E-05
153	470225.11	3819137.77	6.01E-04	2.52E-03	2.27E-04	5.01E-04	1.86E-03	1.63E-04	5.68E-05	3.25E-04	3.88E-05	5.16E-05	1.70E-04	1.17E-05
154	470215.55	3819137.63	6.17E-04	2.59E-03	2.33E-04	5.14E-04	1.90E-03	1.67E-04	5.82E-05	3.33E-04	3.98E-05	5.29E-05	1.75E-04	1.20E-05
155	470205.98	3819137.5	6.28E-04	2.64E-03	2.37E-04	5.23E-04	1.94E-03	1.70E-04	5.93E-05	3.39E-04	4.05E-05	5.39E-05	1.78E-04	1.22E-05
156	470196.42	3819137.36	6.34E-04	2.66E-03	2.40E-04	5.28E-04	1.96E-03	1.72E-04	5.99E-05	3.43E-04	4.09E-05	5.45E-05	1.80E-04	1.24E-05
157	470186.86	3819137.23	6.37E-04	2.68E-03	2.41E-04	5.31E-04	1.97E-03	1.73E-04	6.02E-05	3.44E-04	4.11E-05	5.47E-05	1.80E-04	1.24E-05
158	470158.17	3819136.82	6.12E-04	2.57E-03	2.32E-04	5.10E-04	1.89E-03	1.66E-04	5.78E-05	3.31E-04	3.95E-05	5.26E-05	1.73E-04	1.19E-05
159	470148.61	3819136.69	5.94E-04	2.49E-03	2.25E-04	4.95E-04	1.83E-03	1.61E-04	5.61E-05	3.21E-04	3.83E-05	5.10E-05	1.68E-04	1.16E-05
160	470139.05	3819136.55	5.71E-04	2.40E-03	2.16E-04	4.76E-04	1.76E-03	1.55E-04	5.39E-05	3.09E-04	3.68E-05	4.90E-05	1.62E-04	1.11E-05
161	470129.49	3819136.42	5.45E-04	2.29E-03	2.06E-04	4.54E-04	1.68E-03	1.48E-04	5.14E-05	2.94E-04	3.51E-05	4.67E-05	1.54E-04	1.06E-05
162	470119.92	3819136.28	5.15E-04	2.16E-03	1.95E-04	4.29E-04	1.59E-03	1.40E-04	4.87E-05	2.79E-04	3.32E-05	4.42E-05	1.46E-04	1.01E-05
163	470110.36	3819136.15	4.84E-04	2.03E-03	1.83E-04	4.03E-04	1.49E-03	1.31E-04	4.57E-05	2.62E-04	3.12E-05	4.16E-05	1.37E-04	9.45E-06
164	470316.41	3819133.02	3.19E-04	1.34E-03	1.20E-04	2.65E-04	9.83E-04	8.65E-05	3.01E-05	1.72E-04	2.05E-05	2.73E-05	9.02E-05	6.21E-06

165	470324.82	3819136.63	3.08E-04	1.29E-03	1.17E-04	2.57E-04	9.51E-04	8.36E-05	2.91E-05	1.67E-04	1.99E-05	2.64E-05	8.72E-05	6.01E-06
166	470333.23	3819140.24	2.98E-04	1.25E-03	1.13E-04	2.48E-04	9.20E-04	8.09E-05	2.82E-05	1.61E-04	1.92E-05	2.56E-05	8.44E-05	5.82E-06
167	470341.65	3819143.85	2.89E-04	1.21E-03	1.09E-04	2.41E-04	8.91E-04	7.84E-05	2.73E-05	1.56E-04	1.86E-05	2.48E-05	8.18E-05	5.64E-06
168	470350.06	3819147.46	2.81E-04	1.18E-03	1.06E-04	2.34E-04	8.66E-04	7.62E-05	2.65E-05	1.52E-04	1.81E-05	2.41E-05	7.94E-05	5.47E-06
169	470358.47	3819151.07	2.73E-04	1.15E-03	1.03E-04	2.27E-04	8.43E-04	7.41E-05	2.58E-05	1.48E-04	1.76E-05	2.34E-05	7.73E-05	5.33E-06
170	470370.3	3819163.18	2.82E-04	1.18E-03	1.07E-04	2.35E-04	8.71E-04	7.66E-05	2.66E-05	1.53E-04	1.82E-05	2.42E-05	7.99E-05	5.51E-06
171	470373.72	3819171.67	2.99E-04	1.26E-03	1.13E-04	2.49E-04	9.24E-04	8.13E-05	2.83E-05	1.62E-04	1.93E-05	2.57E-05	8.47E-05	5.84E-06
172	470377.14	3819180.16	3.18E-04	1.34E-03	1.20E-04	2.65E-04	9.83E-04	8.64E-05	3.01E-05	1.72E-04	2.05E-05	2.73E-05	9.01E-05	6.21E-06
173	470380.55	3819188.65	3.39E-04	1.42E-03	1.28E-04	2.82E-04	1.05E-03	9.21E-05	3.20E-05	1.83E-04	2.19E-05	2.91E-05	9.60E-05	6.62E-06
174	470383.97	3819197.14	3.61E-04	1.52E-03	1.37E-04	3.01E-04	1.12E-03	9.81E-05	3.41E-05	1.95E-04	2.33E-05	3.10E-05	1.02E-04	7.05E-06
175	470387.39	3819205.63	3.85E-04	1.62E-03	1.46E-04	3.21E-04	1.19E-03	1.04E-04	3.63E-05	2.08E-04	2.48E-05	3.30E-05	1.09E-04	7.51E-06
176	470273.2	3819118.45	3.79E-04	1.59E-03	1.43E-04	3.16E-04	1.17E-03	1.03E-04	3.58E-05	2.05E-04	2.45E-05	3.26E-05	1.07E-04	7.40E-06
177	470263.64	3819118.31	4.02E-04	1.69E-03	1.52E-04	3.35E-04	1.24E-03	1.09E-04	3.80E-05	2.18E-04	2.60E-05	3.45E-05	1.14E-04	7.85E-06
178	470254.08	3819118.18	4.25E-04	1.78E-03	1.61E-04	3.54E-04	1.31E-03	1.15E-04	4.01E-05	2.30E-04	2.74E-05	3.65E-05	1.20E-04	8.29E-06
179	470244.52	3819118.04	4.46E-04	1.87E-03	1.69E-04	3.71E-04	1.38E-03	1.21E-04	4.21E-05	2.41E-04	2.87E-05	3.83E-05	1.26E-04	8.70E-06
180	470234.95	3819117.91	4.65E-04	1.95E-03	1.76E-04	3.87E-04	1.43E-03	1.26E-04	4.39E-05	2.51E-04	3.00E-05	3.99E-05	1.32E-04	9.07E-06
181	470225.39	3819117.77	4.80E-04	2.02E-03	1.82E-04	4.00E-04	1.48E-03	1.30E-04	4.53E-05	2.60E-04	3.10E-05	4.12E-05	1.36E-04	9.37E-06
182	470215.83	3819117.64	4.92E-04	2.07E-03	1.86E-04	4.10E-04	1.52E-03	1.34E-04	4.65E-05	2.66E-04	3.17E-05	4.22E-05	1.39E-04	9.60E-06
183	470206.27	3819117.5	5.01E-04	2.10E-03	1.89E-04	4.17E-04	1.55E-03	1.36E-04	4.73E-05	2.71E-04	3.23E-05	4.30E-05	1.42E-04	9.77E-06
184	470196.7	3819117.37	5.07E-04	2.13E-03	1.92E-04	4.22E-04	1.56E-03	1.38E-04	4.78E-05	2.74E-04	3.27E-05	4.35E-05	1.43E-04	9.88E-06
185	470187.14	3819117.23	5.09E-04	2.14E-03	1.93E-04	4.24E-04	1.57E-03	1.38E-04	4.81E-05	2.75E-04	3.29E-05	4.37E-05	1.44E-04	9.94E-06
186	470158.46	3819116.83	4.95E-04	2.08E-03	1.87E-04	4.12E-04	1.53E-03	1.34E-04	4.67E-05	2.67E-04	3.19E-05	4.25E-05	1.40E-04	9.65E-06
187	470148.89	3819116.69	4.83E-04	2.03E-03	1.82E-04	4.02E-04	1.49E-03	1.31E-04	4.56E-05	2.61E-04	3.11E-05	4.14E-05	1.37E-04	9.42E-06
188	470139.33	3819116.56	4.67E-04	1.96E-03	1.77E-04	3.89E-04	1.44E-03	1.27E-04	4.41E-05	2.53E-04	3.01E-05	4.01E-05	1.32E-04	9.12E-06
189	470129.77	3819116.42	4.49E-04	1.89E-03	1.70E-04	3.74E-04	1.39E-03	1.22E-04	4.24E-05	2.43E-04	2.90E-05	3.86E-05	1.27E-04	8.76E-06
190	470120.21	3819116.29	4.29E-04	1.80E-03	1.62E-04	3.57E-04	1.32E-03	1.16E-04	4.05E-05	2.32E-04	2.77E-05	3.68E-05	1.21E-04	8.37E-06
191	470110.64	3819116.15	4.07E-04	1.71E-03	1.54E-04	3.39E-04	1.26E-03	1.11E-04	3.85E-05	2.20E-04	2.63E-05	3.50E-05	1.15E-04	7.95E-06
192	470323.94	3819116.13	2.61E-04	1.10E-03	9.87E-05	2.17E-04	8.05E-04	7.08E-05	2.46E-05	1.41E-04	1.68E-05	2.24E-05	7.38E-05	5.09E-06
193	470340.29	3819123.15	2.45E-04	1.03E-03	9.28E-05	2.04E-04	7.58E-04	6.66E-05	2.32E-05	1.33E-04	1.58E-05	2.11E-05	6.95E-05	4.79E-06
194	470356.65	3819130.17	2.32E-04	9.73E-04	8.76E-05	1.93E-04	7.15E-04	6.29E-05	2.19E-05	1.25E-04	1.49E-05	1.99E-05	6.56E-05	4.52E-06
195	470373	3819137.19	2.20E-04	9.25E-04	8.33E-05	1.83E-04	6.80E-04	5.98E-05	2.08E-05	1.19E-04	1.42E-05	1.89E-05	6.23E-05	4.30E-06
196	470384.51	3819148.96	2.27E-04	9.52E-04	8.57E-05	1.89E-04	7.00E-04	6.15E-05	2.14E-05	1.23E-04	1.46E-05	1.95E-05	6.42E-05	4.42E-06
197	470391.15	3819165.47	2.53E-04	1.06E-03	9.55E-05	2.10E-04	7.79E-04	6.86E-05	2.39E-05	1.37E-04	1.63E-05	2.17E-05	7.15E-05	4.93E-06
198	470397.8	3819181.98	2.83E-04	1.19E-03	1.07E-04	2.36E-04	8.74E-04	7.69E-05	2.68E-05	1.53E-04	1.83E-05	2.43E-05	8.02E-05	5.53E-06
199	470404.45	3819198.49	3.18E-04	1.34E-03	1.20E-04	2.65E-04	9.82E-04	8.64E-05	3.01E-05	1.72E-04	2.05E-05	2.73E-05	9.01E-05	6.21E-06
200	470411.09	3819215	3.56E-04	1.50E-03	1.35E-04	2.97E-04	1.10E-03	9.67E-05	3.36E-05	1.93E-04	2.30E-05	3.06E-05	1.01E-04	6.95E-06
201	470273.48	3819098.45	3.16E-04	1.33E-03	1.20E-04	2.64E-04	9.76E-04	8.59E-05	2.99E-05	1.71E-04	2.04E-05	2.72E-05	8.96E-05	6.17E-06
202	470263.92	3819098.31	3.34E-04	1.40E-03	1.26E-04	2.78E-04	1.03E-03	9.06E-05	3.15E-05	1.81E-04	2.15E-05	2.87E-05	9.45E-05	6.52E-06
203	470254.36	3819098.18	3.51E-04	1.47E-03	1.33E-04	2.92E-04	1.08E-03	9.52E-05	3.31E-05	1.90E-04	2.26E-05	3.01E-05	9.93E-05	6.84E-06
204	470244.8	3819098.04	3.66E-04	1.54E-03	1.38E-04	3.05E-04	1.13E-03	9.94E-05	3.46E-05	1.98E-04	2.36E-05	3.14E-05	1.04E-04	7.15E-06
205	470235.24	3819097.91	3.80E-04	1.60E-03	1.44E-04	3.17E-04	1.17E-03	1.03E-04	3.59E-05	2.06E-04	2.45E-05	3.26E-05	1.08E-04	7.42E-06
206	470225.67	3819097.77	3.92E-04	1.65E-03	1.48E-04	3.27E-04	1.21E-03	1.06E-04	3.70E-05	2.12E-04	2.53E-05	3.37E-05	1.11E-04	7.65E-06

207	470216.11	3819097.64	4.02E-04	1.69E-03	1.52E-04	3.35E-04	1.24E-03	1.09E-04	3.80E-05	2.17E-04	2.59E-05	3.45E-05	1.14E-04	7.84E-06
208	470206.55	3819097.5	4.09E-04	1.72E-03	1.55E-04	3.41E-04	1.26E-03	1.11E-04	3.86E-05	2.21E-04	2.64E-05	3.51E-05	1.16E-04	7.98E-06
209	470196.99	3819097.37	4.14E-04	1.74E-03	1.57E-04	3.45E-04	1.28E-03	1.12E-04	3.91E-05	2.24E-04	2.67E-05	3.55E-05	1.17E-04	8.08E-06
210	470187.42	3819097.23	4.17E-04	1.75E-03	1.58E-04	3.47E-04	1.29E-03	1.13E-04	3.94E-05	2.25E-04	2.69E-05	3.58E-05	1.18E-04	8.13E-06
211	470158.74	3819096.83	4.08E-04	1.71E-03	1.54E-04	3.40E-04	1.26E-03	1.11E-04	3.85E-05	2.21E-04	2.63E-05	3.50E-05	1.15E-04	7.96E-06
212	470149.18	3819096.69	4.00E-04	1.68E-03	1.51E-04	3.33E-04	1.23E-03	1.09E-04	3.77E-05	2.16E-04	2.58E-05	3.43E-05	1.13E-04	7.80E-06
213	470139.61	3819096.56	3.89E-04	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.06E-04	3.67E-05	2.10E-04	2.51E-05	3.34E-05	1.10E-04	7.59E-06
214	470130.05	3819096.42	3.76E-04	1.58E-03	1.42E-04	3.13E-04	1.16E-03	1.02E-04	3.55E-05	2.03E-04	2.43E-05	3.23E-05	1.06E-04	7.34E-06
215	470120.49	3819096.29	3.62E-04	1.52E-03	1.37E-04	3.01E-04	1.12E-03	9.82E-05	3.42E-05	1.96E-04	2.33E-05	3.10E-05	1.02E-04	7.06E-06
216	470110.93	3819096.15	3.46E-04	1.45E-03	1.31E-04	2.88E-04	1.07E-03	9.39E-05	3.27E-05	1.87E-04	2.23E-05	2.97E-05	9.79E-05	6.75E-06
217	470317.84	3819093.4	2.28E-04	9.56E-04	8.60E-05	1.90E-04	7.02E-04	6.18E-05	2.15E-05	1.23E-04	1.47E-05	1.95E-05	6.44E-05	4.44E-06
218	470326.47	3819097.1	2.21E-04	9.29E-04	8.37E-05	1.84E-04	6.83E-04	6.00E-05	2.09E-05	1.20E-04	1.43E-05	1.90E-05	6.26E-05	4.32E-06
219	470335.09	3819100.8	2.15E-04	9.05E-04	8.15E-05	1.79E-04	6.65E-04	5.85E-05	2.03E-05	1.16E-04	1.39E-05	1.85E-05	6.10E-05	4.20E-06
220	470343.72	3819104.51	2.09E-04	8.76E-04	7.89E-05	1.74E-04	6.44E-04	5.66E-05	1.97E-05	1.13E-04	1.35E-05	1.79E-05	5.91E-05	4.07E-06
221	470352.35	3819108.21	2.02E-04	8.49E-04	7.64E-05	1.68E-04	6.24E-04	5.49E-05	1.91E-05	1.09E-04	1.30E-05	1.74E-05	5.72E-05	3.94E-06
222	470360.97	3819111.91	1.96E-04	8.24E-04	7.42E-05	1.63E-04	6.05E-04	5.32E-05	1.85E-05	1.06E-04	1.27E-05	1.68E-05	5.55E-05	3.83E-06
223	470369.6	3819115.62	1.91E-04	8.01E-04	7.21E-05	1.59E-04	5.88E-04	5.18E-05	1.80E-05	1.03E-04	1.23E-05	1.64E-05	5.40E-05	3.72E-06
224	470378.23	3819119.32	1.86E-04	7.80E-04	7.03E-05	1.55E-04	5.73E-04	5.04E-05	1.75E-05	1.00E-04	1.20E-05	1.59E-05	5.26E-05	3.62E-06
225	470386.86	3819123.02	1.82E-04	7.62E-04	6.87E-05	1.51E-04	5.60E-04	4.93E-05	1.71E-05	9.81E-05	1.17E-05	1.56E-05	5.14E-05	3.54E-06
226	470398.99	3819135.43	1.87E-04	7.84E-04	7.06E-05	1.55E-04	5.76E-04	5.07E-05	1.76E-05	1.01E-04	1.20E-05	1.60E-05	5.28E-05	3.64E-06
227	470402.5	3819144.14	1.96E-04	8.25E-04	7.43E-05	1.64E-04	6.06E-04	5.33E-05	1.86E-05	1.06E-04	1.27E-05	1.69E-05	5.56E-05	3.83E-06
228	470406	3819152.85	2.07E-04	8.71E-04	7.84E-05	1.73E-04	6.40E-04	5.63E-05	1.96E-05	1.12E-04	1.34E-05	1.78E-05	5.87E-05	4.05E-06
229	470409.51	3819161.56	2.19E-04	9.21E-04	8.30E-05	1.83E-04	6.77E-04	5.95E-05	2.07E-05	1.19E-04	1.41E-05	1.88E-05	6.21E-05	4.28E-06
230	470413.01	3819170.27	2.32E-04	9.76E-04	8.79E-05	1.94E-04	7.17E-04	6.31E-05	2.19E-05	1.26E-04	1.50E-05	2.00E-05	6.58E-05	4.53E-06
231	470416.52	3819178.98	2.47E-04	1.04E-03	9.32E-05	2.05E-04	7.61E-04	6.69E-05	2.33E-05	1.33E-04	1.59E-05	2.12E-05	6.98E-05	4.81E-06
232	470420.03	3819187.69	2.62E-04	1.10E-03	9.89E-05	2.18E-04	8.07E-04	7.10E-05	2.47E-05	1.41E-04	1.69E-05	2.24E-05	7.40E-05	5.10E-06
233	470423.53	3819196.4	2.77E-04	1.16E-03	1.05E-04	2.31E-04	8.56E-04	7.53E-05	2.62E-05	1.50E-04	1.79E-05	2.38E-05	7.85E-05	5.41E-06
234	470427.04	3819205.11	2.93E-04	1.23E-03	1.11E-04	2.44E-04	9.06E-04	7.97E-05	2.77E-05	1.59E-04	1.89E-05	2.52E-05	8.31E-05	5.73E-06
235	470430.55	3819213.81	3.10E-04	1.30E-03	1.17E-04	2.58E-04	9.56E-04	8.41E-05	2.93E-05	1.67E-04	2.00E-05	2.66E-05	8.77E-05	6.05E-06
236	470273.77	3819078.45	2.68E-04	1.13E-03	1.02E-04	2.24E-04	8.28E-04	7.29E-05	2.53E-05	1.45E-04	1.73E-05	2.30E-05	7.60E-05	5.24E-06
237	470264.2	3819078.32	2.82E-04	1.18E-03	1.07E-04	2.35E-04	8.71E-04	7.66E-05	2.66E-05	1.53E-04	1.82E-05	2.42E-05	7.99E-05	5.50E-06
238	470254.64	3819078.18	2.95E-04	1.24E-03	1.11E-04	2.45E-04	9.09E-04	8.00E-05	2.78E-05	1.59E-04	1.90E-05	2.53E-05	8.34E-05	5.75E-06
239	470245.08	3819078.05	3.06E-04	1.29E-03	1.16E-04	2.55E-04	9.45E-04	8.31E-05	2.89E-05	1.66E-04	1.97E-05	2.63E-05	8.67E-05	5.97E-06
240	470235.52	3819077.91	3.17E-04	1.33E-03	1.20E-04	2.64E-04	9.77E-04	8.59E-05	2.99E-05	1.71E-04	2.04E-05	2.72E-05	8.96E-05	6.18E-06
241	470225.96	3819077.78	3.26E-04	1.37E-03	1.23E-04	2.71E-04	1.01E-03	8.85E-05	3.08E-05	1.76E-04	2.10E-05	2.80E-05	9.22E-05	6.36E-06
242	470216.39	3819077.64	3.34E-04	1.40E-03	1.26E-04	2.78E-04	1.03E-03	9.07E-05	3.15E-05	1.81E-04	2.15E-05	2.87E-05	9.46E-05	6.52E-06
243	470206.83	3819077.51	3.40E-04	1.43E-03	1.29E-04	2.84E-04	1.05E-03	9.24E-05	3.22E-05	1.84E-04	2.20E-05	2.92E-05	9.64E-05	6.64E-06
244	470197.27	3819077.37	3.45E-04	1.45E-03	1.30E-04	2.87E-04	1.06E-03	9.36E-05	3.26E-05	1.86E-04	2.22E-05	2.96E-05	9.76E-05	6.73E-06
245	470187.71	3819077.24	3.47E-04	1.46E-03	1.31E-04	2.89E-04	1.07E-03	9.43E-05	3.28E-05	1.88E-04	2.24E-05	2.98E-05	9.83E-05	6.78E-06
246	470159.02	3819076.83	3.42E-04	1.44E-03	1.29E-04	2.85E-04	1.06E-03	9.29E-05	3.23E-05	1.85E-04	2.21E-05	2.94E-05	9.69E-05	6.68E-06
247	470149.46	3819076.7	3.36E-04	1.41E-03	1.27E-04	2.80E-04	1.04E-03	9.13E-05	3.18E-05	1.82E-04	2.17E-05	2.89E-05	9.52E-05	6.56E-06
248	470139.9	3819076.56	3.29E-04	1.38E-03	1.24E-04	2.74E-04	1.02E-03	8.93E-05	3.11E-05	1.78E-04	2.12E-05	2.82E-05	9.31E-05	6.42E-06

249	470130.33	3819076.43	3.19E-04	1.34E-03	1.21E-04	2.66E-04	9.85E-04	8.67E-05	3.01E-05	1.73E-04	2.06E-05	2.74E-05	9.04E-05	6.23E-06
250	470120.77	3819076.29	3.08E-04	1.29E-03	1.17E-04	2.57E-04	9.51E-04	8.37E-05	2.91E-05	1.67E-04	1.99E-05	2.65E-05	8.73E-05	6.01E-06
251	470111.21	3819076.16	2.96E-04	1.24E-03	1.12E-04	2.47E-04	9.14E-04	8.04E-05	2.80E-05	1.60E-04	1.91E-05	2.54E-05	8.38E-05	5.78E-06
252	470317.26	3819073.03	1.99E-04	8.34E-04	7.51E-05	1.65E-04	6.13E-04	5.39E-05	1.88E-05	1.07E-04	1.28E-05	1.71E-05	5.62E-05	3.88E-06
253	470325.67	3819076.64	1.93E-04	8.12E-04	7.31E-05	1.61E-04	5.97E-04	5.25E-05	1.83E-05	1.05E-04	1.25E-05	1.66E-05	5.47E-05	3.77E-06
254	470334.08	3819080.25	1.89E-04	7.92E-04	7.13E-05	1.57E-04	5.82E-04	5.12E-05	1.78E-05	1.02E-04	1.22E-05	1.62E-05	5.34E-05	3.68E-06
255	470342.49	3819083.86	1.83E-04	7.68E-04	6.92E-05	1.52E-04	5.65E-04	4.97E-05	1.73E-05	9.89E-05	1.18E-05	1.57E-05	5.18E-05	3.57E-06
256	470350.9	3819087.47	1.77E-04	7.45E-04	6.71E-05	1.48E-04	5.47E-04	4.82E-05	1.68E-05	9.59E-05	1.14E-05	1.52E-05	5.02E-05	3.46E-06
257	470359.32	3819091.08	1.72E-04	7.23E-04	6.51E-05	1.43E-04	5.31E-04	4.67E-05	1.63E-05	9.31E-05	1.11E-05	1.48E-05	4.87E-05	3.36E-06
258	470367.73	3819094.69	1.67E-04	7.02E-04	6.32E-05	1.39E-04	5.16E-04	4.54E-05	1.58E-05	9.04E-05	1.08E-05	1.44E-05	4.73E-05	3.26E-06
259	470376.14	3819098.3	1.63E-04	6.83E-04	6.15E-05	1.36E-04	5.02E-04	4.42E-05	1.54E-05	8.79E-05	1.05E-05	1.40E-05	4.60E-05	3.17E-06
260	470384.55	3819101.91	1.59E-04	6.66E-04	6.00E-05	1.32E-04	4.89E-04	4.31E-05	1.50E-05	8.57E-05	1.02E-05	1.36E-05	4.49E-05	3.10E-06
261	470392.96	3819105.52	1.55E-04	6.51E-04	5.86E-05	1.29E-04	4.78E-04	4.21E-05	1.46E-05	8.38E-05	1.00E-05	1.33E-05	4.39E-05	3.03E-06
262	470401.37	3819109.13	1.52E-04	6.38E-04	5.74E-05	1.26E-04	4.69E-04	4.12E-05	1.43E-05	8.21E-05	9.80E-06	1.30E-05	4.30E-05	2.96E-06
263	470413.2	3819121.23	1.56E-04	6.54E-04	5.89E-05	1.30E-04	4.80E-04	4.22E-05	1.47E-05	8.41E-05	1.00E-05	1.34E-05	4.41E-05	3.04E-06
264	470416.62	3819129.73	1.63E-04	6.84E-04	6.16E-05	1.36E-04	5.03E-04	4.42E-05	1.54E-05	8.81E-05	1.05E-05	1.40E-05	4.61E-05	3.18E-06
265	470420.04	3819138.22	1.71E-04	7.18E-04	6.47E-05	1.42E-04	5.28E-04	4.64E-05	1.61E-05	9.24E-05	1.10E-05	1.47E-05	4.84E-05	3.34E-06
266	470423.46	3819146.71	1.80E-04	7.56E-04	6.80E-05	1.50E-04	5.55E-04	4.88E-05	1.70E-05	9.73E-05	1.16E-05	1.54E-05	5.09E-05	3.51E-06
267	470426.88	3819155.2	1.90E-04	7.97E-04	7.17E-05	1.58E-04	5.85E-04	5.15E-05	1.79E-05	1.03E-04	1.22E-05	1.63E-05	5.37E-05	3.70E-06
268	470430.3	3819163.69	2.00E-04	8.41E-04	7.57E-05	1.67E-04	6.18E-04	5.44E-05	1.89E-05	1.08E-04	1.29E-05	1.72E-05	5.67E-05	3.91E-06
269	470433.71	3819172.18	2.12E-04	8.89E-04	8.00E-05	1.76E-04	6.53E-04	5.74E-05	2.00E-05	1.14E-04	1.36E-05	1.82E-05	5.99E-05	4.13E-06
270	470437.13	3819180.67	2.24E-04	9.39E-04	8.46E-05	1.86E-04	6.90E-04	6.07E-05	2.11E-05	1.21E-04	1.44E-05	1.92E-05	6.33E-05	4.36E-06
271	470440.55	3819189.17	2.36E-04	9.92E-04	8.94E-05	1.97E-04	7.29E-04	6.41E-05	2.23E-05	1.28E-04	1.52E-05	2.03E-05	6.69E-05	4.61E-06
272	470443.97	3819197.66	2.49E-04	1.05E-03	9.43E-05	2.08E-04	7.69E-04	6.77E-05	2.35E-05	1.35E-04	1.61E-05	2.14E-05	7.06E-05	4.86E-06
273	470447.39	3819206.15	2.62E-04	1.10E-03	9.92E-05	2.19E-04	8.10E-04	7.12E-05	2.48E-05	1.42E-04	1.69E-05	2.25E-05	7.43E-05	5.12E-06
274	470450.81	3819214.64	2.76E-04	1.16E-03	1.04E-04	2.30E-04	8.51E-04	7.48E-05	2.60E-05	1.49E-04	1.78E-05	2.37E-05	7.80E-05	5.38E-06
275	470274.05	3819058.45	2.30E-04	9.66E-04	8.70E-05	1.92E-04	7.10E-04	6.25E-05	2.17E-05	1.24E-04	1.48E-05	1.98E-05	6.51E-05	4.49E-06
276	470264.49	3819058.32	2.40E-04	1.01E-03	9.09E-05	2.00E-04	7.42E-04	6.53E-05	2.27E-05	1.30E-04	1.55E-05	2.06E-05	6.81E-05	4.69E-06
277	470254.92	3819058.18	2.51E-04	1.05E-03	9.47E-05	2.09E-04	7.73E-04	6.80E-05	2.37E-05	1.35E-04	1.62E-05	2.15E-05	7.09E-05	4.89E-06
278	470245.36	3819058.05	2.60E-04	1.09E-03	9.83E-05	2.17E-04	8.02E-04	7.06E-05	2.45E-05	1.41E-04	1.68E-05	2.23E-05	7.36E-05	5.07E-06
279	470235.8	3819057.91	2.69E-04	1.13E-03	1.02E-04	2.24E-04	8.29E-04	7.29E-05	2.54E-05	1.45E-04	1.73E-05	2.31E-05	7.60E-05	5.24E-06
280	470226.24	3819057.78	2.76E-04	1.16E-03	1.04E-04	2.30E-04	8.52E-04	7.50E-05	2.61E-05	1.49E-04	1.78E-05	2.37E-05	7.82E-05	5.39E-06
281	470216.68	3819057.64	2.83E-04	1.19E-03	1.07E-04	2.36E-04	8.73E-04	7.68E-05	2.67E-05	1.53E-04	1.82E-05	2.43E-05	8.00E-05	5.52E-06
282	470207.11	3819057.51	2.88E-04	1.21E-03	1.09E-04	2.40E-04	8.89E-04	7.82E-05	2.72E-05	1.56E-04	1.86E-05	2.47E-05	8.15E-05	5.62E-06
283	470197.55	3819057.37	2.92E-04	1.23E-03	1.10E-04	2.43E-04	9.00E-04	7.92E-05	2.76E-05	1.58E-04	1.88E-05	2.50E-05	8.26E-05	5.69E-06
284	470187.99	3819057.24	2.94E-04	1.23E-03	1.11E-04	2.45E-04	9.07E-04	7.98E-05	2.78E-05	1.59E-04	1.90E-05	2.52E-05	8.32E-05	5.74E-06
285	470159.3	3819056.83	2.91E-04	1.22E-03	1.10E-04	2.42E-04	8.98E-04	7.90E-05	2.75E-05	1.57E-04	1.88E-05	2.50E-05	8.24E-05	5.68E-06
286	470149.74	3819056.7	2.87E-04	1.21E-03	1.09E-04	2.39E-04	8.85E-04	7.79E-05	2.71E-05	1.55E-04	1.85E-05	2.46E-05	8.12E-05	5.60E-06
287	470140.18	3819056.56	2.82E-04	1.18E-03	1.06E-04	2.34E-04	8.69E-04	7.64E-05	2.66E-05	1.52E-04	1.82E-05	2.42E-05	7.97E-05	5.49E-06
288	470130.62	3819056.43	2.74E-04	1.15E-03	1.04E-04	2.29E-04	8.47E-04	7.45E-05	2.59E-05	1.48E-04	1.77E-05	2.36E-05	7.77E-05	5.35E-06
289	470121.05	3819056.29	2.66E-04	1.12E-03	1.01E-04	2.22E-04	8.21E-04	7.23E-05	2.51E-05	1.44E-04	1.72E-05	2.28E-05	7.53E-05	5.19E-06
290	470111.49	3819056.16	2.57E-04	1.08E-03	9.72E-05	2.14E-04	7.93E-04	6.98E-05	2.43E-05	1.39E-04	1.66E-05	2.21E-05	7.28E-05	5.02E-06

291	470318.94	3819053.63	1.74E-04	7.30E-04	6.57E-05	1.45E-04	5.36E-04	4.72E-05	1.64E-05	9.40E-05	1.12E-05	1.49E-05	4.92E-05	3.39E-06
292	470327.7	3819057.39	1.69E-04	7.10E-04	6.39E-05	1.41E-04	5.21E-04	4.59E-05	1.60E-05	9.13E-05	1.09E-05	1.45E-05	4.78E-05	3.30E-06
293	470336.47	3819061.15	1.64E-04	6.90E-04	6.21E-05	1.37E-04	5.07E-04	4.46E-05	1.55E-05	8.88E-05	1.06E-05	1.41E-05	4.65E-05	3.21E-06
294	470345.23	3819064.92	1.60E-04	6.72E-04	6.05E-05	1.33E-04	4.94E-04	4.34E-05	1.51E-05	8.65E-05	1.03E-05	1.37E-05	4.53E-05	3.12E-06
295	470353.99	3819068.68	1.55E-04	6.51E-04	5.86E-05	1.29E-04	4.78E-04	4.21E-05	1.46E-05	8.38E-05	1.00E-05	1.33E-05	4.39E-05	3.02E-06
296	470362.75	3819072.44	1.50E-04	6.31E-04	5.68E-05	1.25E-04	4.64E-04	4.08E-05	1.42E-05	8.12E-05	9.69E-06	1.29E-05	4.25E-05	2.93E-06
297	470371.51	3819076.2	1.46E-04	6.12E-04	5.51E-05	1.21E-04	4.50E-04	3.96E-05	1.38E-05	7.88E-05	9.40E-06	1.25E-05	4.13E-05	2.85E-06
298	470380.28	3819079.96	1.42E-04	5.95E-04	5.36E-05	1.18E-04	4.37E-04	3.84E-05	1.34E-05	7.66E-05	9.14E-06	1.22E-05	4.01E-05	2.76E-06
299	470389.04	3819083.72	1.38E-04	5.79E-04	5.21E-05	1.15E-04	4.25E-04	3.74E-05	1.30E-05	7.45E-05	8.89E-06	1.18E-05	3.90E-05	2.69E-06
300	470397.8	3819087.48	1.34E-04	5.65E-04	5.08E-05	1.12E-04	4.15E-04	3.65E-05	1.27E-05	7.27E-05	8.67E-06	1.15E-05	3.81E-05	2.62E-06
301	470406.56	3819091.24	1.31E-04	5.52E-04	4.97E-05	1.09E-04	4.06E-04	3.57E-05	1.24E-05	7.11E-05	8.48E-06	1.13E-05	3.72E-05	2.56E-06
302	470415.32	3819095	1.29E-04	5.41E-04	4.87E-05	1.07E-04	3.97E-04	3.50E-05	1.22E-05	6.96E-05	8.31E-06	1.11E-05	3.64E-05	2.51E-06
303	470427.65	3819107.61	1.32E-04	5.54E-04	4.99E-05	1.10E-04	4.07E-04	3.58E-05	1.25E-05	7.13E-05	8.50E-06	1.13E-05	3.73E-05	2.57E-06
304	470431.21	3819116.45	1.38E-04	5.79E-04	5.21E-05	1.15E-04	4.25E-04	3.74E-05	1.30E-05	7.45E-05	8.89E-06	1.18E-05	3.90E-05	2.69E-06
305	470434.77	3819125.3	1.45E-04	6.07E-04	5.47E-05	1.20E-04	4.46E-04	3.92E-05	1.36E-05	7.81E-05	9.32E-06	1.24E-05	4.09E-05	2.82E-06
306	470438.33	3819134.14	1.52E-04	6.38E-04	5.74E-05	1.27E-04	4.69E-04	4.12E-05	1.43E-05	8.21E-05	9.80E-06	1.30E-05	4.30E-05	2.96E-06
307	470441.89	3819142.99	1.60E-04	6.72E-04	6.05E-05	1.33E-04	4.94E-04	4.34E-05	1.51E-05	8.65E-05	1.03E-05	1.37E-05	4.53E-05	3.12E-06
308	470445.45	3819151.83	1.69E-04	7.09E-04	6.38E-05	1.41E-04	5.21E-04	4.58E-05	1.59E-05	9.13E-05	1.09E-05	1.45E-05	4.78E-05	3.29E-06
309	470449.01	3819160.68	1.78E-04	7.49E-04	6.75E-05	1.49E-04	5.50E-04	4.84E-05	1.68E-05	9.64E-05	1.15E-05	1.53E-05	5.05E-05	3.48E-06
310	470452.57	3819169.52	1.89E-04	7.92E-04	7.13E-05	1.57E-04	5.82E-04	5.12E-05	1.78E-05	1.02E-04	1.22E-05	1.62E-05	5.34E-05	3.68E-06
311	470456.14	3819178.37	1.99E-04	8.37E-04	7.54E-05	1.66E-04	6.15E-04	5.41E-05	1.88E-05	1.08E-04	1.29E-05	1.71E-05	5.64E-05	3.89E-06
312	470459.7	3819187.21	2.10E-04	8.83E-04	7.96E-05	1.75E-04	6.49E-04	5.71E-05	1.99E-05	1.14E-04	1.36E-05	1.81E-05	5.95E-05	4.10E-06
313	470463.26	3819196.06	2.22E-04	9.31E-04	8.39E-05	1.85E-04	6.84E-04	6.02E-05	2.09E-05	1.20E-04	1.43E-05	1.90E-05	6.28E-05	4.33E-06
314	470466.82	3819204.9	2.33E-04	9.80E-04	8.83E-05	1.94E-04	7.20E-04	6.33E-05	2.20E-05	1.26E-04	1.51E-05	2.00E-05	6.61E-05	4.55E-06
315	470470.38	3819213.75	2.45E-04	1.03E-03	9.26E-05	2.04E-04	7.56E-04	6.65E-05	2.31E-05	1.32E-04	1.58E-05	2.10E-05	6.93E-05	4.78E-06
316	470274.33	3819038.45	2.00E-04	8.38E-04	7.55E-05	1.66E-04	6.16E-04	5.42E-05	1.88E-05	1.08E-04	1.29E-05	1.71E-05	5.65E-05	3.89E-06
317	470264.77	3819038.32	2.08E-04	8.73E-04	7.86E-05	1.73E-04	6.41E-04	5.64E-05	1.96E-05	1.12E-04	1.34E-05	1.78E-05	5.88E-05	4.06E-06
318	470255.21	3819038.18	2.16E-04	9.07E-04	8.17E-05	1.80E-04	6.66E-04	5.86E-05	2.04E-05	1.17E-04	1.39E-05	1.85E-05	6.11E-05	4.21E-06
319	470245.64	3819038.05	2.24E-04	9.40E-04	8.46E-05	1.86E-04	6.91E-04	6.07E-05	2.11E-05	1.21E-04	1.44E-05	1.92E-05	6.33E-05	4.37E-06
320	470236.08	3819037.91	2.31E-04	9.70E-04	8.73E-05	1.92E-04	7.13E-04	6.27E-05	2.18E-05	1.25E-04	1.49E-05	1.98E-05	6.54E-05	4.51E-06
321	470226.52	3819037.78	2.37E-04	9.96E-04	8.97E-05	1.98E-04	7.32E-04	6.44E-05	2.24E-05	1.28E-04	1.53E-05	2.04E-05	6.72E-05	4.63E-06
322	470216.96	3819037.64	2.43E-04	1.02E-03	9.17E-05	2.02E-04	7.49E-04	6.59E-05	2.29E-05	1.31E-04	1.56E-05	2.08E-05	6.87E-05	4.73E-06
323	470207.4	3819037.51	2.47E-04	1.04E-03	9.34E-05	2.06E-04	7.62E-04	6.70E-05	2.33E-05	1.33E-04	1.59E-05	2.12E-05	6.99E-05	4.82E-06
324	470197.83	3819037.37	2.50E-04	1.05E-03	9.46E-05	2.08E-04	7.72E-04	6.79E-05	2.36E-05	1.35E-04	1.61E-05	2.15E-05	7.08E-05	4.88E-06
325	470188.27	3819037.24	2.52E-04	1.06E-03	9.53E-05	2.10E-04	7.78E-04	6.84E-05	2.38E-05	1.36E-04	1.63E-05	2.16E-05	7.13E-05	4.92E-06
326	470159.58	3819036.83	2.50E-04	1.05E-03	9.47E-05	2.09E-04	7.73E-04	6.80E-05	2.36E-05	1.35E-04	1.62E-05	2.15E-05	7.09E-05	4.89E-06
327	470150.02	3819036.7	2.48E-04	1.04E-03	9.36E-05	2.06E-04	7.64E-04	6.72E-05	2.34E-05	1.34E-04	1.60E-05	2.12E-05	7.01E-05	4.83E-06
328	470140.46	3819036.56	2.44E-04	1.02E-03	9.21E-05	2.03E-04	7.51E-04	6.61E-05	2.30E-05	1.32E-04	1.57E-05	2.09E-05	6.89E-05	4.75E-06
329	470130.9	3819036.43	2.38E-04	1.00E-03	9.01E-05	1.98E-04	7.35E-04	6.46E-05	2.25E-05	1.29E-04	1.54E-05	2.04E-05	6.74E-05	4.65E-06
330	470121.34	3819036.29	2.32E-04	9.74E-04	8.77E-05	1.93E-04	7.16E-04	6.30E-05	2.19E-05	1.25E-04	1.50E-05	1.99E-05	6.56E-05	4.53E-06
331	470111.77	3819036.16	2.25E-04	9.45E-04	8.51E-05	1.87E-04	6.94E-04	6.11E-05	2.12E-05	1.22E-04	1.45E-05	1.93E-05	6.37E-05	4.39E-06
332	470318.45	3819033.3	1.54E-04	6.49E-04	5.84E-05	1.29E-04	4.77E-04	4.19E-05	1.46E-05	8.35E-05	9.96E-06	1.33E-05	4.37E-05	3.01E-06

333	470327.01	3819036.98	1.50E-04	6.31E-04	5.69E-05	1.25E-04	4.64E-04	4.08E-05	1.42E-05	8.13E-05	9.70E-06	1.29E-05	4.26E-05	2.93E-06
334	470335.58	3819040.66	1.46E-04	6.14E-04	5.53E-05	1.22E-04	4.51E-04	3.97E-05	1.38E-05	7.90E-05	9.43E-06	1.25E-05	4.14E-05	2.85E-06
335	470344.15	3819044.33	1.42E-04	5.96E-04	5.37E-05	1.18E-04	4.38E-04	3.85E-05	1.34E-05	7.67E-05	9.15E-06	1.22E-05	4.02E-05	2.77E-06
336	470352.71	3819048.01	1.38E-04	5.79E-04	5.21E-05	1.15E-04	4.25E-04	3.74E-05	1.30E-05	7.45E-05	8.89E-06	1.18E-05	3.90E-05	2.69E-06
337	470361.28	3819051.69	1.34E-04	5.63E-04	5.07E-05	1.12E-04	4.14E-04	3.64E-05	1.27E-05	7.24E-05	8.64E-06	1.15E-05	3.79E-05	2.61E-06
338	470369.85	3819055.36	1.30E-04	5.47E-04	4.93E-05	1.09E-04	4.02E-04	3.54E-05	1.23E-05	7.05E-05	8.41E-06	1.12E-05	3.69E-05	2.54E-06
339	470378.42	3819059.04	1.27E-04	5.33E-04	4.80E-05	1.06E-04	3.92E-04	3.45E-05	1.20E-05	6.86E-05	8.19E-06	1.09E-05	3.59E-05	2.48E-06
340	470386.98	3819062.72	1.24E-04	5.19E-04	4.68E-05	1.03E-04	3.81E-04	3.36E-05	1.17E-05	6.68E-05	7.97E-06	1.06E-05	3.50E-05	2.41E-06
341	470395.55	3819066.4	1.20E-04	5.06E-04	4.55E-05	1.00E-04	3.71E-04	3.27E-05	1.14E-05	6.51E-05	7.76E-06	1.03E-05	3.41E-05	2.35E-06
342	470404.12	3819070.07	1.17E-04	4.93E-04	4.44E-05	9.78E-05	3.62E-04	3.19E-05	1.11E-05	6.35E-05	7.57E-06	1.01E-05	3.32E-05	2.29E-06
343	470412.69	3819073.75	1.15E-04	4.82E-04	4.34E-05	9.55E-05	3.54E-04	3.11E-05	1.08E-05	6.20E-05	7.40E-06	9.85E-06	3.25E-05	2.24E-06
344	470421.25	3819077.43	1.12E-04	4.72E-04	4.25E-05	9.35E-05	3.47E-04	3.05E-05	1.06E-05	6.07E-05	7.24E-06	9.64E-06	3.18E-05	2.19E-06
345	470429.82	3819081.1	1.10E-04	4.63E-04	4.17E-05	9.18E-05	3.40E-04	2.99E-05	1.04E-05	5.96E-05	7.11E-06	9.46E-06	3.12E-05	2.15E-06
346	470441.87	3819093.43	1.13E-04	4.73E-04	4.26E-05	9.38E-05	3.48E-04	3.06E-05	1.06E-05	6.09E-05	7.26E-06	9.67E-06	3.19E-05	2.20E-06
347	470445.35	3819102.08	1.17E-04	4.93E-04	4.44E-05	9.77E-05	3.62E-04	3.19E-05	1.11E-05	6.34E-05	7.57E-06	1.01E-05	3.32E-05	2.29E-06
348	470448.83	3819110.73	1.23E-04	5.15E-04	4.63E-05	1.02E-04	3.78E-04	3.33E-05	1.16E-05	6.62E-05	7.90E-06	1.05E-05	3.47E-05	2.39E-06
349	470452.32	3819119.38	1.28E-04	5.38E-04	4.85E-05	1.07E-04	3.96E-04	3.48E-05	1.21E-05	6.93E-05	8.27E-06	1.10E-05	3.63E-05	2.50E-06
350	470455.8	3819128.02	1.34E-04	5.65E-04	5.09E-05	1.12E-04	4.15E-04	3.65E-05	1.27E-05	7.27E-05	8.67E-06	1.15E-05	3.81E-05	2.62E-06
351	470459.28	3819136.67	1.41E-04	5.93E-04	5.34E-05	1.18E-04	4.36E-04	3.84E-05	1.33E-05	7.64E-05	9.11E-06	1.21E-05	4.00E-05	2.76E-06
352	470462.76	3819145.32	1.49E-04	6.24E-04	5.62E-05	1.24E-04	4.59E-04	4.04E-05	1.40E-05	8.04E-05	9.59E-06	1.28E-05	4.21E-05	2.90E-06
353	470466.24	3819153.97	1.57E-04	6.58E-04	5.92E-05	1.30E-04	4.83E-04	4.25E-05	1.48E-05	8.47E-05	1.01E-05	1.34E-05	4.43E-05	3.06E-06
354	470469.73	3819162.62	1.65E-04	6.93E-04	6.24E-05	1.37E-04	5.09E-04	4.48E-05	1.56E-05	8.92E-05	1.06E-05	1.42E-05	4.67E-05	3.22E-06
355	470274.61	3819018.46	1.75E-04	7.34E-04	6.61E-05	1.46E-04	5.39E-04	4.74E-05	1.65E-05	9.45E-05	1.13E-05	1.50E-05	4.95E-05	3.41E-06
356	470265.05	3819018.32	1.82E-04	7.64E-04	6.88E-05	1.51E-04	5.61E-04	4.94E-05	1.72E-05	9.83E-05	1.17E-05	1.56E-05	5.15E-05	3.55E-06
357	470255.49	3819018.19	1.89E-04	7.92E-04	7.13E-05	1.57E-04	5.82E-04	5.12E-05	1.78E-05	1.02E-04	1.22E-05	1.62E-05	5.34E-05	3.68E-06
358	470245.93	3819018.05	1.95E-04	8.19E-04	7.37E-05	1.62E-04	6.02E-04	5.29E-05	1.84E-05	1.05E-04	1.26E-05	1.67E-05	5.52E-05	3.80E-06
359	470236.36	3819017.92	2.01E-04	8.43E-04	7.60E-05	1.67E-04	6.20E-04	5.45E-05	1.90E-05	1.09E-04	1.30E-05	1.72E-05	5.68E-05	3.92E-06
360	470226.8	3819017.78	2.06E-04	8.65E-04	7.79E-05	1.72E-04	6.36E-04	5.59E-05	1.95E-05	1.11E-04	1.33E-05	1.77E-05	5.83E-05	4.02E-06
361	470217.24	3819017.65	2.10E-04	8.84E-04	7.96E-05	1.75E-04	6.49E-04	5.71E-05	1.99E-05	1.14E-04	1.36E-05	1.81E-05	5.96E-05	4.11E-06
362	470207.68	3819017.51	2.14E-04	8.99E-04	8.09E-05	1.78E-04	6.60E-04	5.81E-05	2.02E-05	1.16E-04	1.38E-05	1.84E-05	6.06E-05	4.18E-06
363	470198.12	3819017.38	2.17E-04	9.10E-04	8.19E-05	1.80E-04	6.69E-04	5.88E-05	2.05E-05	1.17E-04	1.40E-05	1.86E-05	6.13E-05	4.23E-06
364	470188.55	3819017.24	2.18E-04	9.17E-04	8.26E-05	1.82E-04	6.74E-04	5.93E-05	2.06E-05	1.18E-04	1.41E-05	1.87E-05	6.18E-05	4.26E-06
365	470159.87	3819016.84	2.18E-04	9.14E-04	8.23E-05	1.81E-04	6.72E-04	5.91E-05	2.06E-05	1.18E-04	1.40E-05	1.87E-05	6.16E-05	4.25E-06
366	470150.3	3819016.7	2.16E-04	9.05E-04	8.15E-05	1.80E-04	6.65E-04	5.85E-05	2.04E-05	1.17E-04	1.39E-05	1.85E-05	6.10E-05	4.21E-06
367	470140.74	3819016.57	2.13E-04	8.93E-04	8.04E-05	1.77E-04	6.56E-04	5.77E-05	2.01E-05	1.15E-04	1.37E-05	1.83E-05	6.02E-05	4.15E-06
368	470131.18	3819016.43	2.09E-04	8.76E-04	7.89E-05	1.74E-04	6.43E-04	5.66E-05	1.97E-05	1.13E-04	1.35E-05	1.79E-05	5.90E-05	4.07E-06
369	470121.62	3819016.3	2.04E-04	8.55E-04	7.70E-05	1.70E-04	6.29E-04	5.53E-05	1.92E-05	1.10E-04	1.31E-05	1.75E-05	5.77E-05	3.97E-06
370	470112.06	3819016.16	1.98E-04	8.33E-04	7.50E-05	1.65E-04	6.12E-04	5.38E-05	1.87E-05	1.07E-04	1.28E-05	1.70E-05	5.61E-05	3.87E-06
371	470318.1	3819013.04	1.38E-04	5.80E-04	5.22E-05	1.15E-04	4.26E-04	3.75E-05	1.30E-05	7.47E-05	8.91E-06	1.19E-05	3.91E-05	2.70E-06
372	470326.52	3819016.65	1.35E-04	5.66E-04	5.10E-05	1.12E-04	4.16E-04	3.66E-05	1.27E-05	7.29E-05	8.70E-06	1.16E-05	3.82E-05	2.63E-06
373	470334.93	3819020.26	1.31E-04	5.52E-04	4.97E-05	1.09E-04	4.05E-04	3.57E-05	1.24E-05	7.10E-05	8.47E-06	1.13E-05	3.72E-05	2.56E-06
374	470343.34	3819023.87	1.28E-04	5.37E-04	4.83E-05	1.06E-04	3.94E-04	3.47E-05	1.21E-05	6.91E-05	8.24E-06	1.10E-05	3.62E-05	2.49E-06

375	470351.75	3819027.48	1.24E-04	5.22E-04	4.70E-05	1.03E-04	3.83E-04	3.37E-05	1.17E-05	6.72E-05	8.01E-06	1.07E-05	3.52E-05	2.42E-06
376	470360.16	3819031.09	1.21E-04	5.07E-04	4.57E-05	1.01E-04	3.73E-04	3.28E-05	1.14E-05	6.53E-05	7.79E-06	1.04E-05	3.42E-05	2.36E-06
377	470368.57	3819034.7	1.17E-04	4.93E-04	4.44E-05	9.77E-05	3.62E-04	3.18E-05	1.11E-05	6.34E-05	7.56E-06	1.01E-05	3.32E-05	2.29E-06
378	470376.99	3819038.31	1.14E-04	4.79E-04	4.31E-05	9.49E-05	3.52E-04	3.09E-05	1.08E-05	6.16E-05	7.35E-06	9.78E-06	3.23E-05	2.22E-06
379	470385.4	3819041.92	1.11E-04	4.65E-04	4.19E-05	9.23E-05	3.42E-04	3.01E-05	1.05E-05	5.99E-05	7.15E-06	9.51E-06	3.14E-05	2.16E-06
380	470393.81	3819045.53	1.08E-04	4.53E-04	4.08E-05	8.98E-05	3.33E-04	2.93E-05	1.02E-05	5.83E-05	6.95E-06	9.25E-06	3.05E-05	2.10E-06
381	470402.22	3819049.14	1.05E-04	4.42E-04	3.98E-05	8.76E-05	3.25E-04	2.86E-05	9.93E-06	5.69E-05	6.78E-06	9.03E-06	2.98E-05	2.05E-06
382	470410.63	3819052.75	1.03E-04	4.32E-04	3.89E-05	8.57E-05	3.17E-04	2.79E-05	9.72E-06	5.56E-05	6.64E-06	8.83E-06	2.91E-05	2.01E-06
383	470419.04	3819056.36	1.01E-04	4.25E-04	3.82E-05	8.42E-05	3.12E-04	2.74E-05	9.55E-06	5.47E-05	6.52E-06	8.68E-06	2.86E-05	1.97E-06
384	470427.46	3819059.97	9.90E-05	4.16E-04	3.74E-05	8.24E-05	3.05E-04	2.69E-05	9.34E-06	5.35E-05	6.38E-06	8.50E-06	2.80E-05	1.93E-06
385	470435.87	3819063.58	9.70E-05	4.08E-04	3.67E-05	8.08E-05	2.99E-04	2.63E-05	9.16E-06	5.25E-05	6.26E-06	8.33E-06	2.75E-05	1.89E-06
386	470444.28	3819067.19	9.53E-05	4.00E-04	3.61E-05	7.94E-05	2.94E-04	2.59E-05	9.00E-06	5.15E-05	6.15E-06	8.18E-06	2.70E-05	1.86E-06
387	470274.9	3818998.46	1.55E-04	6.50E-04	5.85E-05	1.29E-04	4.77E-04	4.20E-05	1.46E-05	8.36E-05	9.98E-06	1.33E-05	4.38E-05	3.02E-06
388	470265.33	3818998.32	1.61E-04	6.74E-04	6.07E-05	1.34E-04	4.95E-04	4.36E-05	1.52E-05	8.68E-05	1.04E-05	1.38E-05	4.55E-05	3.13E-06
389	470255.77	3818998.19	1.66E-04	6.98E-04	6.29E-05	1.38E-04	5.13E-04	4.51E-05	1.57E-05	8.98E-05	1.07E-05	1.43E-05	4.70E-05	3.24E-06
390	470246.21	3818998.05	1.71E-04	7.20E-04	6.48E-05	1.43E-04	5.29E-04	4.65E-05	1.62E-05	9.27E-05	1.11E-05	1.47E-05	4.85E-05	3.35E-06
391	470236.65	3818997.92	1.76E-04	7.40E-04	6.67E-05	1.47E-04	5.44E-04	4.79E-05	1.66E-05	9.53E-05	1.14E-05	1.51E-05	4.99E-05	3.44E-06
392	470227.08	3818997.78	1.81E-04	7.58E-04	6.83E-05	1.50E-04	5.57E-04	4.90E-05	1.70E-05	9.76E-05	1.16E-05	1.55E-05	5.11E-05	3.52E-06
393	470217.52	3818997.65	1.84E-04	7.74E-04	6.97E-05	1.53E-04	5.69E-04	5.00E-05	1.74E-05	9.96E-05	1.19E-05	1.58E-05	5.21E-05	3.59E-06
394	470207.96	3818997.51	1.87E-04	7.86E-04	7.08E-05	1.56E-04	5.78E-04	5.08E-05	1.77E-05	1.01E-04	1.21E-05	1.61E-05	5.30E-05	3.65E-06
395	470198.4	3818997.38	1.90E-04	7.96E-04	7.17E-05	1.58E-04	5.85E-04	5.15E-05	1.79E-05	1.02E-04	1.22E-05	1.63E-05	5.36E-05	3.70E-06
396	470188.84	3818997.24	1.91E-04	8.02E-04	7.23E-05	1.59E-04	5.90E-04	5.19E-05	1.80E-05	1.03E-04	1.23E-05	1.64E-05	5.41E-05	3.73E-06
397	470160.15	3818996.84	1.91E-04	8.02E-04	7.22E-05	1.59E-04	5.89E-04	5.18E-05	1.80E-05	1.03E-04	1.23E-05	1.64E-05	5.41E-05	3.73E-06
398	470150.59	3818996.7	1.89E-04	7.96E-04	7.16E-05	1.58E-04	5.85E-04	5.14E-05	1.79E-05	1.02E-04	1.22E-05	1.63E-05	5.36E-05	3.70E-06
399	470141.02	3818996.57	1.87E-04	7.86E-04	7.08E-05	1.56E-04	5.78E-04	5.08E-05	1.77E-05	1.01E-04	1.21E-05	1.61E-05	5.30E-05	3.65E-06
400	470131.46	3818996.43	1.84E-04	7.73E-04	6.96E-05	1.53E-04	5.68E-04	4.99E-05	1.74E-05	9.95E-05	1.19E-05	1.58E-05	5.21E-05	3.59E-06
401	470121.9	3818996.3	1.80E-04	7.57E-04	6.82E-05	1.50E-04	5.56E-04	4.89E-05	1.70E-05	9.74E-05	1.16E-05	1.55E-05	5.10E-05	3.52E-06
402	470112.34	3818996.16	1.76E-04	7.39E-04	6.65E-05	1.47E-04	5.43E-04	4.78E-05	1.66E-05	9.51E-05	1.13E-05	1.51E-05	4.98E-05	3.43E-06
403	470319.45	3818993.5	1.24E-04	5.20E-04	4.68E-05	1.03E-04	3.82E-04	3.36E-05	1.17E-05	6.69E-05	7.99E-06	1.06E-05	3.50E-05	2.42E-06
404	470328.13	3818997.22	1.21E-04	5.08E-04	4.57E-05	1.01E-04	3.73E-04	3.28E-05	1.14E-05	6.53E-05	7.80E-06	1.04E-05	3.42E-05	2.36E-06
405	470336.81	3819000.95	1.18E-04	4.95E-04	4.46E-05	9.81E-05	3.64E-04	3.20E-05	1.11E-05	6.37E-05	7.60E-06	1.01E-05	3.33E-05	2.30E-06
406	470345.49	3819004.67	1.15E-04	4.82E-04	4.34E-05	9.55E-05	3.54E-04	3.11E-05	1.08E-05	6.20E-05	7.40E-06	9.84E-06	3.25E-05	2.24E-06
407	470354.17	3819008.4	1.12E-04	4.68E-04	4.22E-05	9.29E-05	3.44E-04	3.03E-05	1.05E-05	6.03E-05	7.19E-06	9.57E-06	3.16E-05	2.18E-06
408	470362.85	3819012.12	1.08E-04	4.55E-04	4.10E-05	9.03E-05	3.34E-04	2.94E-05	1.02E-05	5.86E-05	6.99E-06	9.30E-06	3.07E-05	2.11E-06
409	470371.53	3819015.85	1.05E-04	4.42E-04	3.98E-05	8.77E-05	3.25E-04	2.86E-05	9.94E-06	5.69E-05	6.79E-06	9.04E-06	2.98E-05	2.05E-06
410	470380.21	3819019.57	1.02E-04	4.30E-04	3.87E-05	8.52E-05	3.16E-04	2.78E-05	9.66E-06	5.53E-05	6.60E-06	8.78E-06	2.90E-05	2.00E-06
411	470388.88	3819023.3	9.94E-05	4.18E-04	3.76E-05	8.28E-05	3.07E-04	2.70E-05	9.39E-06	5.37E-05	6.41E-06	8.53E-06	2.81E-05	1.94E-06
412	470397.56	3819027.02	9.67E-05	4.06E-04	3.66E-05	8.05E-05	2.98E-04	2.62E-05	9.13E-06	5.23E-05	6.23E-06	8.30E-06	2.74E-05	1.89E-06
413	470406.24	3819030.75	9.41E-05	3.95E-04	3.56E-05	7.84E-05	2.90E-04	2.55E-05	8.88E-06	5.09E-05	6.07E-06	8.08E-06	2.66E-05	1.84E-06
414	470414.92	3819034.47	9.18E-05	3.86E-04	3.47E-05	7.65E-05	2.83E-04	2.49E-05	8.67E-06	4.96E-05	5.92E-06	7.88E-06	2.60E-05	1.79E-06
415	470423.6	3819038.2	9.00E-05	3.78E-04	3.40E-05	7.50E-05	2.78E-04	2.44E-05	8.50E-06	4.87E-05	5.81E-06	7.73E-06	2.55E-05	1.76E-06
416	470432.28	3819041.92	8.83E-05	3.71E-04	3.34E-05	7.35E-05	2.72E-04	2.40E-05	8.33E-06	4.77E-05	5.69E-06	7.58E-06	2.50E-05	1.72E-06

417	470440.96	3819045.65	8.64E-05	3.63E-04	3.27E-05	7.20E-05	2.67E-04	2.35E-05	8.16E-06	4.67E-05	5.57E-06	7.42E-06	2.45E-05	1.69E-06
418	470275.18	3818978.46	1.38E-04	5.79E-04	5.22E-05	1.15E-04	4.26E-04	3.74E-05	1.30E-05	7.46E-05	8.90E-06	1.18E-05	3.90E-05	2.69E-06
419	470265.62	3818978.33	1.43E-04	6.00E-04	5.40E-05	1.19E-04	4.41E-04	3.88E-05	1.35E-05	7.72E-05	9.21E-06	1.23E-05	4.04E-05	2.79E-06
420	470256.05	3818978.19	1.48E-04	6.20E-04	5.58E-05	1.23E-04	4.55E-04	4.00E-05	1.39E-05	7.98E-05	9.52E-06	1.27E-05	4.18E-05	2.88E-06
421	470246.49	3818978.06	1.52E-04	6.38E-04	5.75E-05	1.27E-04	4.69E-04	4.12E-05	1.43E-05	8.21E-05	9.80E-06	1.30E-05	4.30E-05	2.96E-06
422	470236.93	3818977.92	1.56E-04	6.55E-04	5.90E-05	1.30E-04	4.81E-04	4.23E-05	1.47E-05	8.43E-05	1.01E-05	1.34E-05	4.41E-05	3.04E-06
423	470227.37	3818977.79	1.60E-04	6.70E-04	6.03E-05	1.33E-04	4.92E-04	4.33E-05	1.51E-05	8.63E-05	1.03E-05	1.37E-05	4.52E-05	3.11E-06
424	470217.8	3818977.65	1.63E-04	6.83E-04	6.15E-05	1.35E-04	5.02E-04	4.42E-05	1.54E-05	8.79E-05	1.05E-05	1.40E-05	4.60E-05	3.17E-06
425	470208.24	3818977.52	1.65E-04	6.94E-04	6.25E-05	1.38E-04	5.10E-04	4.49E-05	1.56E-05	8.93E-05	1.07E-05	1.42E-05	4.68E-05	3.22E-06
426	470198.68	3818977.38	1.67E-04	7.02E-04	6.32E-05	1.39E-04	5.16E-04	4.54E-05	1.58E-05	9.04E-05	1.08E-05	1.44E-05	4.73E-05	3.26E-06
427	470189.12	3818977.25	1.69E-04	7.08E-04	6.37E-05	1.40E-04	5.20E-04	4.58E-05	1.59E-05	9.11E-05	1.09E-05	1.45E-05	4.77E-05	3.29E-06
428	470160.43	3818976.84	1.69E-04	7.09E-04	6.39E-05	1.41E-04	5.21E-04	4.58E-05	1.59E-05	9.13E-05	1.09E-05	1.45E-05	4.78E-05	3.29E-06
429	470150.87	3818976.71	1.68E-04	7.04E-04	6.34E-05	1.40E-04	5.18E-04	4.55E-05	1.58E-05	9.07E-05	1.08E-05	1.44E-05	4.75E-05	3.27E-06
430	470141.31	3818976.57	1.66E-04	6.97E-04	6.28E-05	1.38E-04	5.12E-04	4.51E-05	1.57E-05	8.97E-05	1.07E-05	1.42E-05	4.70E-05	3.24E-06
431	470131.74	3818976.44	1.64E-04	6.87E-04	6.19E-05	1.36E-04	5.05E-04	4.44E-05	1.54E-05	8.84E-05	1.06E-05	1.40E-05	4.63E-05	3.19E-06
432	470122.18	3818976.3	1.61E-04	6.75E-04	6.08E-05	1.34E-04	4.96E-04	4.36E-05	1.52E-05	8.68E-05	1.04E-05	1.38E-05	4.55E-05	3.13E-06
433	470112.62	3818976.17	1.57E-04	6.61E-04	5.95E-05	1.31E-04	4.85E-04	4.27E-05	1.49E-05	8.50E-05	1.01E-05	1.35E-05	4.45E-05	3.07E-06
434	470319.16	3818973.25	1.12E-04	4.69E-04	4.22E-05	9.29E-05	3.44E-04	3.03E-05	1.05E-05	6.03E-05	7.20E-06	9.58E-06	3.16E-05	2.18E-06
435	470327.69	3818976.91	1.09E-04	4.59E-04	4.13E-05	9.10E-05	3.37E-04	2.97E-05	1.03E-05	5.91E-05	7.05E-06	9.38E-06	3.09E-05	2.13E-06
436	470336.22	3818980.57	1.07E-04	4.49E-04	4.04E-05	8.90E-05	3.30E-04	2.90E-05	1.01E-05	5.77E-05	6.89E-06	9.17E-06	3.02E-05	2.08E-06
437	470344.76	3818984.24	1.04E-04	4.38E-04	3.95E-05	8.69E-05	3.22E-04	2.83E-05	9.85E-06	5.64E-05	6.73E-06	8.96E-06	2.95E-05	2.04E-06
438	470353.29	3818987.9	1.02E-04	4.27E-04	3.85E-05	8.47E-05	3.14E-04	2.76E-05	9.61E-06	5.50E-05	6.56E-06	8.73E-06	2.88E-05	1.99E-06
439	470361.82	3818991.56	9.91E-05	4.16E-04	3.75E-05	8.25E-05	3.06E-04	2.69E-05	9.35E-06	5.36E-05	6.39E-06	8.50E-06	2.80E-05	1.93E-06
440	470370.36	3818995.22	9.64E-05	4.05E-04	3.65E-05	8.03E-05	2.97E-04	2.62E-05	9.10E-06	5.21E-05	6.22E-06	8.28E-06	2.73E-05	1.88E-06
441	470378.89	3818998.89	9.38E-05	3.94E-04	3.55E-05	7.81E-05	2.89E-04	2.55E-05	8.86E-06	5.07E-05	6.05E-06	8.05E-06	2.65E-05	1.83E-06
442	470387.42	3819002.55	9.12E-05	3.83E-04	3.45E-05	7.60E-05	2.82E-04	2.48E-05	8.61E-06	4.93E-05	5.88E-06	7.83E-06	2.58E-05	1.78E-06
443	470395.96	3819006.21	8.88E-05	3.73E-04	3.36E-05	7.39E-05	2.74E-04	2.41E-05	8.38E-06	4.80E-05	5.72E-06	7.62E-06	2.51E-05	1.73E-06
444	470404.49	3819009.88	8.64E-05	3.63E-04	3.27E-05	7.20E-05	2.67E-04	2.35E-05	8.16E-06	4.67E-05	5.57E-06	7.42E-06	2.45E-05	1.69E-06
445	470413.03	3819013.54	8.41E-05	3.53E-04	3.18E-05	7.01E-05	2.60E-04	2.28E-05	7.95E-06	4.55E-05	5.43E-06	7.22E-06	2.38E-05	1.64E-06
446	470421.56	3819017.2	8.21E-05	3.45E-04	3.10E-05	6.84E-05	2.53E-04	2.23E-05	7.75E-06	4.44E-05	5.29E-06	7.04E-06	2.32E-05	1.60E-06
447	470430.09	3819020.86	8.02E-05	3.37E-04	3.03E-05	6.68E-05	2.48E-04	2.18E-05	7.58E-06	4.34E-05	5.17E-06	6.89E-06	2.27E-05	1.57E-06
448	470438.63	3819024.53	7.86E-05	3.30E-04	2.97E-05	6.55E-05	2.43E-04	2.13E-05	7.43E-06	4.25E-05	5.07E-06	6.75E-06	2.23E-05	1.53E-06
449	470554.12	3819223.74	1.72E-04	7.24E-04	6.52E-05	1.44E-04	5.32E-04	4.68E-05	1.63E-05	9.32E-05	1.11E-05	1.48E-05	4.88E-05	3.37E-06
450	470557.59	3819232.36	1.78E-04	7.48E-04	6.73E-05	1.48E-04	5.49E-04	4.83E-05	1.68E-05	9.62E-05	1.15E-05	1.53E-05	5.04E-05	3.47E-06
451	470275.46	3818958.46	1.24E-04	5.20E-04	4.68E-05	1.03E-04	3.82E-04	3.36E-05	1.17E-05	6.69E-05	7.98E-06	1.06E-05	3.50E-05	2.41E-06
452	470265.9	3818958.33	1.28E-04	5.37E-04	4.84E-05	1.07E-04	3.95E-04	3.47E-05	1.21E-05	6.91E-05	8.25E-06	1.10E-05	3.62E-05	2.50E-06
453	470256.34	3818958.19	1.32E-04	5.54E-04	4.99E-05	1.10E-04	4.07E-04	3.58E-05	1.24E-05	7.13E-05	8.50E-06	1.13E-05	3.73E-05	2.57E-06
454	470246.77	3818958.06	1.36E-04	5.69E-04	5.13E-05	1.13E-04	4.18E-04	3.68E-05	1.28E-05	7.33E-05	8.74E-06	1.16E-05	3.84E-05	2.64E-06
455	470237.21	3818957.92	1.39E-04	5.84E-04	5.26E-05	1.16E-04	4.29E-04	3.77E-05	1.31E-05	7.51E-05	8.96E-06	1.19E-05	3.93E-05	2.71E-06
456	470227.65	3818957.79	1.42E-04	5.96E-04	5.37E-05	1.18E-04	4.38E-04	3.85E-05	1.34E-05	7.68E-05	9.16E-06	1.22E-05	4.02E-05	2.77E-06
457	470218.09	3818957.65	1.45E-04	6.07E-04	5.47E-05	1.20E-04	4.46E-04	3.93E-05	1.37E-05	7.82E-05	9.33E-06	1.24E-05	4.09E-05	2.82E-06
458	470208.52	3818957.52	1.47E-04	6.17E-04	5.55E-05	1.22E-04	4.53E-04	3.99E-05	1.39E-05	7.94E-05	9.47E-06	1.26E-05	4.16E-05	2.87E-06

459	470198.96	3818957.38	1.49E-04	6.24E-04	5.62E-05	1.24E-04	4.58E-04	4.03E-05	1.40E-05	8.03E-05	9.58E-06	1.28E-05	4.21E-05	2.90E-06
460	470189.4	3818957.25	1.50E-04	6.29E-04	5.67E-05	1.25E-04	4.62E-04	4.07E-05	1.41E-05	8.10E-05	9.66E-06	1.29E-05	4.24E-05	2.92E-06
461	470160.71	3818956.84	1.50E-04	6.31E-04	5.69E-05	1.25E-04	4.64E-04	4.08E-05	1.42E-05	8.13E-05	9.70E-06	1.29E-05	4.26E-05	2.93E-06
462	470151.15	3818956.71	1.49E-04	6.28E-04	5.65E-05	1.25E-04	4.61E-04	4.06E-05	1.41E-05	8.08E-05	9.64E-06	1.28E-05	4.23E-05	2.92E-06
463	470141.59	3818956.57	1.48E-04	6.22E-04	5.60E-05	1.23E-04	4.57E-04	4.02E-05	1.40E-05	8.01E-05	9.56E-06	1.27E-05	4.19E-05	2.89E-06
464	470132.03	3818956.44	1.46E-04	6.15E-04	5.54E-05	1.22E-04	4.52E-04	3.97E-05	1.38E-05	7.91E-05	9.44E-06	1.26E-05	4.14E-05	2.86E-06
465	470122.46	3818956.3	1.44E-04	6.05E-04	5.45E-05	1.20E-04	4.45E-04	3.91E-05	1.36E-05	7.79E-05	9.30E-06	1.24E-05	4.08E-05	2.81E-06
466	470112.9	3818956.17	1.42E-04	5.95E-04	5.36E-05	1.18E-04	4.37E-04	3.84E-05	1.34E-05	7.66E-05	9.14E-06	1.22E-05	4.01E-05	2.76E-06
467	470320.35	3818953.64	1.01E-04	4.22E-04	3.80E-05	8.38E-05	3.10E-04	2.73E-05	9.50E-06	5.44E-05	6.49E-06	8.63E-06	2.85E-05	1.96E-06
468	470329.12	3818957.4	9.84E-05	4.13E-04	3.72E-05	8.20E-05	3.04E-04	2.67E-05	9.29E-06	5.32E-05	6.35E-06	8.45E-06	2.79E-05	1.92E-06
469	470337.88	3818961.16	9.63E-05	4.04E-04	3.64E-05	8.02E-05	2.97E-04	2.61E-05	9.09E-06	5.20E-05	6.21E-06	8.26E-06	2.72E-05	1.88E-06
470	470346.64	3818964.93	9.40E-05	3.95E-04	3.56E-05	7.83E-05	2.90E-04	2.55E-05	8.88E-06	5.08E-05	6.07E-06	8.07E-06	2.66E-05	1.84E-06
471	470355.4	3818968.69	9.18E-05	3.85E-04	3.47E-05	7.65E-05	2.83E-04	2.49E-05	8.67E-06	4.96E-05	5.92E-06	7.88E-06	2.60E-05	1.79E-06
472	470364.16	3818972.45	8.95E-05	3.76E-04	3.39E-05	7.46E-05	2.76E-04	2.43E-05	8.45E-06	4.84E-05	5.77E-06	7.69E-06	2.53E-05	1.75E-06
473	470372.93	3818976.21	8.72E-05	3.66E-04	3.30E-05	7.27E-05	2.69E-04	2.37E-05	8.24E-06	4.72E-05	5.63E-06	7.49E-06	2.47E-05	1.70E-06
474	470381.69	3818979.97	8.50E-05	3.57E-04	3.22E-05	7.08E-05	2.62E-04	2.31E-05	8.03E-06	4.60E-05	5.48E-06	7.30E-06	2.41E-05	1.66E-06
475	470390.45	3818983.73	8.29E-05	3.48E-04	3.13E-05	6.90E-05	2.56E-04	2.25E-05	7.83E-06	4.48E-05	5.35E-06	7.11E-06	2.35E-05	1.62E-06
476	470399.21	3818987.49	8.07E-05	3.39E-04	3.05E-05	6.72E-05	2.49E-04	2.19E-05	7.62E-06	4.36E-05	5.20E-06	6.93E-06	2.28E-05	1.57E-06
477	470407.97	3818991.25	7.85E-05	3.30E-04	2.97E-05	6.54E-05	2.42E-04	2.13E-05	7.41E-06	4.24E-05	5.06E-06	6.74E-06	2.22E-05	1.53E-06
478	470416.74	3818995.01	7.64E-05	3.21E-04	2.89E-05	6.37E-05	2.36E-04	2.07E-05	7.22E-06	4.13E-05	4.93E-06	6.56E-06	2.16E-05	1.49E-06
479	470425.5	3818998.77	7.45E-05	3.13E-04	2.82E-05	6.20E-05	2.30E-04	2.02E-05	7.03E-06	4.03E-05	4.80E-06	6.39E-06	2.11E-05	1.45E-06
480	470434.26	3819002.53	7.26E-05	3.05E-04	2.75E-05	6.05E-05	2.24E-04	1.97E-05	6.86E-06	3.93E-05	4.68E-06	6.23E-06	2.06E-05	1.42E-06
481	470534.77	3819126.16	9.95E-05	4.18E-04	3.76E-05	8.29E-05	3.07E-04	2.70E-05	9.39E-06	5.38E-05	6.42E-06	8.54E-06	2.82E-05	1.94E-06
482	470538.33	3819135	1.04E-04	4.38E-04	3.94E-05	8.68E-05	3.22E-04	2.83E-05	9.84E-06	5.64E-05	6.72E-06	8.95E-06	2.95E-05	2.03E-06
483	470541.89	3819143.85	1.09E-04	4.59E-04	4.13E-05	9.10E-05	3.37E-04	2.97E-05	1.03E-05	5.91E-05	7.05E-06	9.38E-06	3.09E-05	2.13E-06
484	470545.45	3819152.69	1.14E-04	4.81E-04	4.33E-05	9.53E-05	3.53E-04	3.11E-05	1.08E-05	6.19E-05	7.38E-06	9.83E-06	3.24E-05	2.23E-06
485	470549.01	3819161.54	1.20E-04	5.03E-04	4.53E-05	9.98E-05	3.70E-04	3.25E-05	1.13E-05	6.48E-05	7.73E-06	1.03E-05	3.39E-05	2.34E-06
486	470552.57	3819170.38	1.25E-04	5.26E-04	4.74E-05	1.04E-04	3.87E-04	3.40E-05	1.18E-05	6.77E-05	8.08E-06	1.08E-05	3.55E-05	2.44E-06
487	470556.13	3819179.23	1.31E-04	5.49E-04	4.95E-05	1.09E-04	4.04E-04	3.55E-05	1.23E-05	7.07E-05	8.44E-06	1.12E-05	3.70E-05	2.55E-06
488	470559.69	3819188.07	1.36E-04	5.72E-04	5.16E-05	1.14E-04	4.21E-04	3.70E-05	1.29E-05	7.37E-05	8.79E-06	1.17E-05	3.86E-05	2.66E-06
489	470563.25	3819196.92	1.42E-04	5.96E-04	5.36E-05	1.18E-04	4.38E-04	3.85E-05	1.34E-05	7.67E-05	9.15E-06	1.22E-05	4.01E-05	2.77E-06
490	470566.81	3819205.76	1.47E-04	6.19E-04	5.57E-05	1.23E-04	4.54E-04	4.00E-05	1.39E-05	7.96E-05	9.50E-06	1.26E-05	4.17E-05	2.87E-06
491	470570.38	3819214.61	1.53E-04	6.41E-04	5.77E-05	1.27E-04	4.71E-04	4.14E-05	1.44E-05	8.25E-05	9.84E-06	1.31E-05	4.32E-05	2.98E-06
492	470573.94	3819223.45	1.58E-04	6.62E-04	5.97E-05	1.31E-04	4.87E-04	4.28E-05	1.49E-05	8.53E-05	1.02E-05	1.35E-05	4.47E-05	3.08E-06
493	470577.5	3819232.3	1.63E-04	6.83E-04	6.15E-05	1.35E-04	5.02E-04	4.42E-05	1.54E-05	8.79E-05	1.05E-05	1.40E-05	4.60E-05	3.17E-06
494	470275.74	3818938.46	1.12E-04	4.69E-04	4.22E-05	9.29E-05	3.44E-04	3.03E-05	1.05E-05	6.03E-05	7.20E-06	9.58E-06	3.16E-05	2.18E-06
495	470266.18	3818938.33	1.15E-04	4.83E-04	4.35E-05	9.59E-05	3.55E-04	3.13E-05	1.09E-05	6.22E-05	7.43E-06	9.88E-06	3.26E-05	2.25E-06
496	470256.62	3818938.19	1.19E-04	4.98E-04	4.48E-05	9.87E-05	3.66E-04	3.22E-05	1.12E-05	6.41E-05	7.64E-06	1.02E-05	3.35E-05	2.31E-06
497	470247.06	3818938.06	1.22E-04	5.11E-04	4.60E-05	1.01E-04	3.75E-04	3.30E-05	1.15E-05	6.58E-05	7.85E-06	1.04E-05	3.44E-05	2.37E-06
498	470237.49	3818937.92	1.25E-04	5.23E-04	4.71E-05	1.04E-04	3.84E-04	3.38E-05	1.18E-05	6.73E-05	8.04E-06	1.07E-05	3.53E-05	2.43E-06
499	470227.93	3818937.79	1.27E-04	5.34E-04	4.81E-05	1.06E-04	3.93E-04	3.45E-05	1.20E-05	6.88E-05	8.20E-06	1.09E-05	3.60E-05	2.48E-06
500	470218.37	3818937.65	1.29E-04	5.44E-04	4.90E-05	1.08E-04	4.00E-04	3.51E-05	1.22E-05	7.00E-05	8.35E-06	1.11E-05	3.66E-05	2.53E-06

501	470208.81	3818937.52	1.31E-04	5.52E-04	4.97E-05	1.09E-04	4.05E-04	3.57E-05	1.24E-05	7.10E-05	8.47E-06	1.13E-05	3.72E-05	2.56E-06
502	470199.24	3818937.38	1.33E-04	5.58E-04	5.03E-05	1.11E-04	4.10E-04	3.61E-05	1.25E-05	7.18E-05	8.57E-06	1.14E-05	3.76E-05	2.59E-06
503	470189.68	3818937.25	1.34E-04	5.63E-04	5.07E-05	1.12E-04	4.13E-04	3.64E-05	1.27E-05	7.24E-05	8.64E-06	1.15E-05	3.79E-05	2.61E-06
504	470161	3818936.84	1.35E-04	5.66E-04	5.09E-05	1.12E-04	4.16E-04	3.66E-05	1.27E-05	7.28E-05	8.69E-06	1.16E-05	3.81E-05	2.63E-06
505	470151.43	3818936.71	1.34E-04	5.63E-04	5.07E-05	1.12E-04	4.14E-04	3.64E-05	1.27E-05	7.25E-05	8.65E-06	1.15E-05	3.79E-05	2.62E-06
506	470141.87	3818936.57	1.33E-04	5.59E-04	5.03E-05	1.11E-04	4.10E-04	3.61E-05	1.26E-05	7.19E-05	8.58E-06	1.14E-05	3.76E-05	2.60E-06
507	470132.31	3818936.44	1.32E-04	5.53E-04	4.98E-05	1.10E-04	4.06E-04	3.57E-05	1.24E-05	7.11E-05	8.49E-06	1.13E-05	3.72E-05	2.57E-06
508	470122.75	3818936.3	1.30E-04	5.45E-04	4.91E-05	1.08E-04	4.01E-04	3.52E-05	1.23E-05	7.02E-05	8.37E-06	1.11E-05	3.68E-05	2.53E-06
509	470113.18	3818936.17	1.28E-04	5.37E-04	4.83E-05	1.06E-04	3.94E-04	3.47E-05	1.21E-05	6.91E-05	8.24E-06	1.10E-05	3.62E-05	2.49E-06
510	470319.92	3818913.22	8.41E-05	3.53E-04	3.18E-05	7.01E-05	2.60E-04	2.28E-05	7.95E-06	4.55E-05	5.43E-06	7.22E-06	2.38E-05	1.64E-06
511	470328.43	3818916.87	8.26E-05	3.47E-04	3.12E-05	6.88E-05	2.55E-04	2.24E-05	7.80E-06	4.46E-05	5.33E-06	7.09E-06	2.34E-05	1.61E-06
512	470336.94	3818920.52	8.10E-05	3.40E-04	3.06E-05	6.74E-05	2.50E-04	2.20E-05	7.65E-06	4.38E-05	5.22E-06	6.95E-06	2.29E-05	1.58E-06
513	470345.45	3818924.18	7.93E-05	3.33E-04	3.00E-05	6.60E-05	2.45E-04	2.15E-05	7.49E-06	4.29E-05	5.11E-06	6.81E-06	2.24E-05	1.55E-06
514	470353.96	3818927.83	7.76E-05	3.26E-04	2.93E-05	6.46E-05	2.39E-04	2.11E-05	7.32E-06	4.19E-05	5.00E-06	6.66E-06	2.20E-05	1.51E-06
515	470362.48	3818931.48	7.58E-05	3.18E-04	2.87E-05	6.31E-05	2.34E-04	2.06E-05	7.16E-06	4.10E-05	4.89E-06	6.51E-06	2.15E-05	1.48E-06
516	470370.99	3818935.14	7.40E-05	3.11E-04	2.80E-05	6.17E-05	2.28E-04	2.01E-05	6.99E-06	4.00E-05	4.77E-06	6.35E-06	2.10E-05	1.44E-06
517	470379.5	3818938.79	7.22E-05	3.03E-04	2.73E-05	6.02E-05	2.23E-04	1.96E-05	6.82E-06	3.91E-05	4.66E-06	6.20E-06	2.04E-05	1.41E-06
518	470388.01	3818942.44	7.06E-05	2.96E-04	2.67E-05	5.88E-05	2.18E-04	1.92E-05	6.66E-06	3.81E-05	4.55E-06	6.06E-06	2.00E-05	1.38E-06
519	470396.52	3818946.1	6.90E-05	2.90E-04	2.61E-05	5.74E-05	2.13E-04	1.87E-05	6.51E-06	3.73E-05	4.45E-06	5.92E-06	1.95E-05	1.35E-06
520	470405.03	3818949.75	6.75E-05	2.83E-04	2.55E-05	5.62E-05	2.08E-04	1.83E-05	6.37E-06	3.65E-05	4.35E-06	5.79E-06	1.91E-05	1.32E-06
521	470413.55	3818953.4	6.60E-05	2.77E-04	2.49E-05	5.49E-05	2.04E-04	1.79E-05	6.23E-06	3.57E-05	4.25E-06	5.66E-06	1.87E-05	1.29E-06
522	470422.06	3818957.06	6.44E-05	2.70E-04	2.44E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
523	470551.87	3819069.64	6.68E-05	2.80E-04	2.52E-05	5.56E-05	2.06E-04	1.81E-05	6.30E-06	3.61E-05	4.31E-06	5.73E-06	1.89E-05	1.30E-06
524	470555.33	3819078.23	6.95E-05	2.92E-04	2.63E-05	5.79E-05	2.14E-04	1.89E-05	6.56E-06	3.76E-05	4.48E-06	5.96E-06	1.97E-05	1.36E-06
525	470558.79	3819086.82	7.24E-05	3.04E-04	2.74E-05	6.03E-05	2.23E-04	1.97E-05	6.84E-06	3.91E-05	4.67E-06	6.21E-06	2.05E-05	1.41E-06
526	470562.25	3819095.41	7.55E-05	3.17E-04	2.86E-05	6.29E-05	2.33E-04	2.05E-05	7.13E-06	4.08E-05	4.87E-06	6.48E-06	2.14E-05	1.47E-06
527	470565.71	3819104.01	7.88E-05	3.31E-04	2.98E-05	6.56E-05	2.43E-04	2.14E-05	7.44E-06	4.26E-05	5.08E-06	6.76E-06	2.23E-05	1.54E-06
528	470569.17	3819112.6	8.22E-05	3.45E-04	3.11E-05	6.85E-05	2.54E-04	2.23E-05	7.76E-06	4.45E-05	5.30E-06	7.06E-06	2.33E-05	1.60E-06
529	470572.63	3819121.19	8.58E-05	3.60E-04	3.25E-05	7.15E-05	2.65E-04	2.33E-05	8.11E-06	4.64E-05	5.54E-06	7.37E-06	2.43E-05	1.67E-06
530	470576.09	3819129.78	8.96E-05	3.76E-04	3.39E-05	7.46E-05	2.76E-04	2.43E-05	8.46E-06	4.84E-05	5.78E-06	7.69E-06	2.54E-05	1.75E-06
531	470579.55	3819138.38	9.35E-05	3.93E-04	3.53E-05	7.79E-05	2.88E-04	2.54E-05	8.83E-06	5.05E-05	6.03E-06	8.02E-06	2.65E-05	1.82E-06
532	470583.01	3819146.97	9.75E-05	4.09E-04	3.69E-05	8.12E-05	3.01E-04	2.65E-05	9.20E-06	5.27E-05	6.29E-06	8.37E-06	2.76E-05	1.90E-06
533	470586.46	3819155.56	1.02E-04	4.26E-04	3.84E-05	8.46E-05	3.13E-04	2.76E-05	9.59E-06	5.49E-05	6.55E-06	8.72E-06	2.87E-05	1.98E-06
534	470589.92	3819164.15	1.06E-04	4.44E-04	4.00E-05	8.80E-05	3.26E-04	2.87E-05	9.98E-06	5.71E-05	6.82E-06	9.07E-06	2.99E-05	2.06E-06
535	470593.38	3819172.75	1.10E-04	4.61E-04	4.16E-05	9.15E-05	3.39E-04	2.98E-05	1.04E-05	5.94E-05	7.09E-06	9.43E-06	3.11E-05	2.14E-06
536	470596.84	3819181.34	1.14E-04	4.79E-04	4.31E-05	9.50E-05	3.52E-04	3.10E-05	1.08E-05	6.17E-05	7.36E-06	9.79E-06	3.23E-05	2.23E-06
537	470276.31	3818898.47	9.15E-05	3.84E-04	3.46E-05	7.62E-05	2.82E-04	2.48E-05	8.64E-06	4.95E-05	5.90E-06	7.86E-06	2.59E-05	1.79E-06
538	470266.75	3818898.33	9.42E-05	3.95E-04	3.56E-05	7.84E-05	2.91E-04	2.56E-05	8.89E-06	5.09E-05	6.07E-06	8.08E-06	2.67E-05	1.84E-06
539	470257.18	3818898.2	9.67E-05	4.06E-04	3.66E-05	8.05E-05	2.98E-04	2.62E-05	9.13E-06	5.23E-05	6.24E-06	8.30E-06	2.74E-05	1.89E-06
540	470247.62	3818898.06	9.90E-05	4.16E-04	3.75E-05	8.25E-05	3.06E-04	2.69E-05	9.35E-06	5.35E-05	6.39E-06	8.50E-06	2.80E-05	1.93E-06
541	470238.06	3818897.93	1.01E-04	4.25E-04	3.83E-05	8.43E-05	3.12E-04	2.75E-05	9.56E-06	5.47E-05	6.53E-06	8.69E-06	2.87E-05	1.98E-06
542	470228.5	3818897.79	1.03E-04	4.33E-04	3.90E-05	8.60E-05	3.18E-04	2.80E-05	9.74E-06	5.58E-05	6.66E-06	8.86E-06	2.92E-05	2.01E-06

543	470218.93	3818897.66	1.05E-04	4.41E-04	3.97E-05	8.74E-05	3.24E-04	2.85E-05	9.91E-06	5.67E-05	6.77E-06	9.01E-06	2.97E-05	2.05E-06
544	470209.37	3818897.52	1.06E-04	4.47E-04	4.02E-05	8.86E-05	3.28E-04	2.89E-05	1.00E-05	5.75E-05	6.86E-06	9.13E-06	3.01E-05	2.08E-06
545	470199.81	3818897.39	1.08E-04	4.52E-04	4.07E-05	8.96E-05	3.32E-04	2.92E-05	1.02E-05	5.82E-05	6.94E-06	9.23E-06	3.05E-05	2.10E-06
546	470190.25	3818897.25	1.08E-04	4.55E-04	4.10E-05	9.03E-05	3.35E-04	2.94E-05	1.02E-05	5.86E-05	7.00E-06	9.31E-06	3.07E-05	2.12E-06
547	470161.56	3818896.85	1.09E-04	4.59E-04	4.13E-05	9.10E-05	3.37E-04	2.97E-05	1.03E-05	5.91E-05	7.05E-06	9.38E-06	3.09E-05	2.13E-06
548	470152	3818896.71	1.09E-04	4.58E-04	4.12E-05	9.07E-05	3.36E-04	2.96E-05	1.03E-05	5.89E-05	7.03E-06	9.35E-06	3.08E-05	2.13E-06
549	470142.44	3818896.58	1.08E-04	4.55E-04	4.10E-05	9.02E-05	3.34E-04	2.94E-05	1.02E-05	5.86E-05	6.99E-06	9.30E-06	3.07E-05	2.11E-06
550	470132.87	3818896.44	1.07E-04	4.51E-04	4.06E-05	8.95E-05	3.31E-04	2.92E-05	1.01E-05	5.81E-05	6.93E-06	9.22E-06	3.04E-05	2.10E-06
551	470123.31	3818896.31	1.06E-04	4.46E-04	4.02E-05	8.85E-05	3.28E-04	2.88E-05	1.00E-05	5.74E-05	6.85E-06	9.12E-06	3.01E-05	2.07E-06
552	470113.75	3818896.17	1.05E-04	4.40E-04	3.97E-05	8.74E-05	3.24E-04	2.85E-05	9.90E-06	5.67E-05	6.76E-06	9.00E-06	2.97E-05	2.05E-06
553	470320.8	3818873.36	7.08E-05	2.97E-04	2.68E-05	5.90E-05	2.18E-04	1.92E-05	6.69E-06	3.83E-05	4.57E-06	6.08E-06	2.00E-05	1.38E-06
554	470329.4	3818877.05	6.97E-05	2.93E-04	2.63E-05	5.80E-05	2.15E-04	1.89E-05	6.58E-06	3.77E-05	4.49E-06	5.98E-06	1.97E-05	1.36E-06
555	470337.99	3818880.74	6.85E-05	2.88E-04	2.59E-05	5.70E-05	2.11E-04	1.86E-05	6.47E-06	3.70E-05	4.42E-06	5.88E-06	1.94E-05	1.34E-06
556	470346.58	3818884.42	6.72E-05	2.82E-04	2.54E-05	5.60E-05	2.08E-04	1.83E-05	6.35E-06	3.64E-05	4.34E-06	5.77E-06	1.90E-05	1.31E-06
557	470355.17	3818888.11	6.60E-05	2.77E-04	2.50E-05	5.50E-05	2.04E-04	1.79E-05	6.23E-06	3.57E-05	4.26E-06	5.67E-06	1.87E-05	1.29E-06
558	470363.77	3818891.8	6.47E-05	2.72E-04	2.45E-05	5.39E-05	2.00E-04	1.76E-05	6.11E-06	3.50E-05	4.17E-06	5.56E-06	1.83E-05	1.26E-06
559	470372.36	3818895.49	6.34E-05	2.66E-04	2.40E-05	5.28E-05	1.96E-04	1.72E-05	5.98E-06	3.43E-05	4.09E-06	5.44E-06	1.79E-05	1.24E-06
560	470380.95	3818899.18	6.20E-05	2.60E-04	2.34E-05	5.16E-05	1.91E-04	1.68E-05	5.85E-06	3.35E-05	4.00E-06	5.32E-06	1.75E-05	1.21E-06
561	470389.54	3818902.86	6.06E-05	2.54E-04	2.29E-05	5.05E-05	1.87E-04	1.64E-05	5.72E-06	3.27E-05	3.91E-06	5.20E-06	1.71E-05	1.18E-06
562	470398.14	3818906.55	5.92E-05	2.48E-04	2.24E-05	4.93E-05	1.83E-04	1.61E-05	5.59E-06	3.20E-05	3.82E-06	5.08E-06	1.67E-05	1.15E-06
563	470406.73	3818910.24	5.78E-05	2.43E-04	2.19E-05	4.81E-05	1.78E-04	1.57E-05	5.46E-06	3.12E-05	3.73E-06	4.96E-06	1.64E-05	1.13E-06
564	470415.32	3818913.93	5.65E-05	2.37E-04	2.14E-05	4.71E-05	1.74E-04	1.53E-05	5.33E-06	3.05E-05	3.64E-06	4.85E-06	1.60E-05	1.10E-06
565	470580.74	3819042.33	5.34E-05	2.24E-04	2.02E-05	4.45E-05	1.65E-04	1.45E-05	5.04E-06	2.89E-05	3.44E-06	4.58E-06	1.51E-05	1.04E-06
566	470584.23	3819051	5.54E-05	2.33E-04	2.09E-05	4.61E-05	1.71E-04	1.50E-05	5.23E-06	2.99E-05	3.57E-06	4.75E-06	1.57E-05	1.08E-06
567	470587.72	3819059.67	5.75E-05	2.42E-04	2.18E-05	4.79E-05	1.78E-04	1.56E-05	5.43E-06	3.11E-05	3.71E-06	4.94E-06	1.63E-05	1.12E-06
568	470591.21	3819068.35	5.99E-05	2.51E-04	2.26E-05	4.99E-05	1.85E-04	1.62E-05	5.65E-06	3.24E-05	3.86E-06	5.14E-06	1.69E-05	1.17E-06
569	470594.71	3819077.02	6.23E-05	2.62E-04	2.36E-05	5.19E-05	1.92E-04	1.69E-05	5.88E-06	3.37E-05	4.02E-06	5.35E-06	1.76E-05	1.22E-06
570	470598.2	3819085.7	6.48E-05	2.72E-04	2.45E-05	5.40E-05	2.00E-04	1.76E-05	6.12E-06	3.51E-05	4.18E-06	5.57E-06	1.84E-05	1.27E-06
571	470601.69	3819094.37	6.75E-05	2.84E-04	2.55E-05	5.62E-05	2.08E-04	1.83E-05	6.38E-06	3.65E-05	4.36E-06	5.80E-06	1.91E-05	1.32E-06
572	470605.18	3819103.04	7.03E-05	2.95E-04	2.66E-05	5.86E-05	2.17E-04	1.91E-05	6.64E-06	3.80E-05	4.54E-06	6.04E-06	1.99E-05	1.37E-06
573	470608.67	3819111.72	7.33E-05	3.08E-04	2.77E-05	6.10E-05	2.26E-04	1.99E-05	6.92E-06	3.96E-05	4.73E-06	6.29E-06	2.07E-05	1.43E-06
574	470612.17	3819120.39	7.63E-05	3.21E-04	2.89E-05	6.36E-05	2.36E-04	2.07E-05	7.21E-06	4.13E-05	4.92E-06	6.55E-06	2.16E-05	1.49E-06
575	470615.66	3819129.07	7.95E-05	3.34E-04	3.01E-05	6.62E-05	2.45E-04	2.16E-05	7.51E-06	4.30E-05	5.13E-06	6.82E-06	2.25E-05	1.55E-06
576	470619.15	3819137.74	8.27E-05	3.47E-04	3.13E-05	6.89E-05	2.55E-04	2.25E-05	7.81E-06	4.47E-05	5.34E-06	7.10E-06	2.34E-05	1.61E-06
577	470622.64	3819146.41	8.60E-05	3.61E-04	3.25E-05	7.16E-05	2.65E-04	2.33E-05	8.12E-06	4.65E-05	5.55E-06	7.38E-06	2.43E-05	1.68E-06
578	470626.14	3819155.09	8.93E-05	3.75E-04	3.38E-05	7.44E-05	2.76E-04	2.42E-05	8.43E-06	4.83E-05	5.76E-06	7.67E-06	2.53E-05	1.74E-06
579	470629.63	3819163.76	9.26E-05	3.89E-04	3.50E-05	7.72E-05	2.86E-04	2.51E-05	8.75E-06	5.01E-05	5.97E-06	7.95E-06	2.62E-05	1.81E-06
580	470633.12	3819172.44	9.60E-05	4.03E-04	3.63E-05	8.00E-05	2.96E-04	2.61E-05	9.06E-06	5.19E-05	6.19E-06	8.24E-06	2.72E-05	1.87E-06
581	470636.61	3819181.11	9.93E-05	4.17E-04	3.76E-05	8.27E-05	3.07E-04	2.70E-05	9.38E-06	5.37E-05	6.41E-06	8.53E-06	2.81E-05	1.94E-06
582	470640.1	3819189.78	1.03E-04	4.31E-04	3.88E-05	8.55E-05	3.17E-04	2.79E-05	9.69E-06	5.55E-05	6.62E-06	8.81E-06	2.91E-05	2.00E-06
583	470643.6	3819198.46	1.06E-04	4.45E-04	4.00E-05	8.82E-05	3.27E-04	2.87E-05	1.00E-05	5.72E-05	6.83E-06	9.09E-06	3.00E-05	2.07E-06
584	470647.09	3819207.13	1.09E-04	4.58E-04	4.12E-05	9.08E-05	3.36E-04	2.96E-05	1.03E-05	5.89E-05	7.03E-06	9.36E-06	3.09E-05	2.13E-06

585	470650.58	3819215.81	1.12E-04	4.71E-04	4.24E-05	9.34E-05	3.46E-04	3.04E-05	1.06E-05	6.06E-05	7.23E-06	9.62E-06	3.17E-05	2.19E-06
586	470654.07	3819224.48	1.15E-04	4.83E-04	4.35E-05	9.58E-05	3.55E-04	3.12E-05	1.09E-05	6.22E-05	7.42E-06	9.87E-06	3.26E-05	2.24E-06
587	470276.87	3818858.47	7.68E-05	3.22E-04	2.90E-05	6.39E-05	2.37E-04	2.08E-05	7.25E-06	4.15E-05	4.95E-06	6.59E-06	2.17E-05	1.50E-06
588	470267.31	3818858.34	7.88E-05	3.31E-04	2.98E-05	6.56E-05	2.43E-04	2.14E-05	7.44E-06	4.26E-05	5.08E-06	6.76E-06	2.23E-05	1.54E-06
589	470257.75	3818858.2	8.07E-05	3.39E-04	3.05E-05	6.72E-05	2.49E-04	2.19E-05	7.62E-06	4.36E-05	5.21E-06	6.93E-06	2.28E-05	1.57E-06
590	470248.19	3818858.07	8.25E-05	3.47E-04	3.12E-05	6.87E-05	2.55E-04	2.24E-05	7.79E-06	4.46E-05	5.32E-06	7.08E-06	2.34E-05	1.61E-06
591	470238.62	3818857.93	8.42E-05	3.54E-04	3.18E-05	7.01E-05	2.60E-04	2.29E-05	7.95E-06	4.55E-05	5.43E-06	7.23E-06	2.38E-05	1.64E-06
592	470229.06	3818857.8	8.57E-05	3.60E-04	3.24E-05	7.14E-05	2.65E-04	2.33E-05	8.10E-06	4.63E-05	5.53E-06	7.36E-06	2.43E-05	1.67E-06
593	470219.5	3818857.66	8.71E-05	3.66E-04	3.29E-05	7.25E-05	2.69E-04	2.36E-05	8.22E-06	4.71E-05	5.62E-06	7.48E-06	2.46E-05	1.70E-06
594	470209.94	3818857.53	8.82E-05	3.71E-04	3.34E-05	7.35E-05	2.72E-04	2.40E-05	8.33E-06	4.77E-05	5.69E-06	7.57E-06	2.50E-05	1.72E-06
595	470200.37	3818857.39	8.92E-05	3.75E-04	3.37E-05	7.43E-05	2.75E-04	2.42E-05	8.42E-06	4.82E-05	5.75E-06	7.66E-06	2.52E-05	1.74E-06
596	470190.81	3818857.26	8.99E-05	3.78E-04	3.40E-05	7.49E-05	2.77E-04	2.44E-05	8.49E-06	4.86E-05	5.80E-06	7.72E-06	2.55E-05	1.75E-06
597	470162.13	3818856.85	9.08E-05	3.81E-04	3.43E-05	7.56E-05	2.80E-04	2.46E-05	8.57E-06	4.91E-05	5.86E-06	7.79E-06	2.57E-05	1.77E-06
598	470152.56	3818856.72	9.06E-05	3.81E-04	3.43E-05	7.55E-05	2.80E-04	2.46E-05	8.56E-06	4.90E-05	5.84E-06	7.78E-06	2.56E-05	1.77E-06
599	470143	3818856.58	9.02E-05	3.79E-04	3.41E-05	7.52E-05	2.78E-04	2.45E-05	8.52E-06	4.88E-05	5.82E-06	7.75E-06	2.55E-05	1.76E-06
600	470133.44	3818856.45	8.96E-05	3.76E-04	3.39E-05	7.47E-05	2.77E-04	2.43E-05	8.46E-06	4.85E-05	5.78E-06	7.69E-06	2.54E-05	1.75E-06
601	470123.88	3818856.31	8.88E-05	3.73E-04	3.36E-05	7.40E-05	2.74E-04	2.41E-05	8.39E-06	4.80E-05	5.73E-06	7.63E-06	2.51E-05	1.73E-06
602	470114.31	3818856.18	8.79E-05	3.69E-04	3.32E-05	7.32E-05	2.71E-04	2.39E-05	8.30E-06	4.75E-05	5.67E-06	7.54E-06	2.49E-05	1.71E-06
603	470312.98	3818829.76	6.14E-05	2.58E-04	2.32E-05	5.11E-05	1.89E-04	1.67E-05	5.80E-06	3.32E-05	3.96E-06	5.27E-06	1.74E-05	1.20E-06
604	470321.64	3818833.48	6.05E-05	2.54E-04	2.29E-05	5.04E-05	1.87E-04	1.64E-05	5.72E-06	3.27E-05	3.90E-06	5.20E-06	1.71E-05	1.18E-06
605	470330.29	3818837.19	5.96E-05	2.50E-04	2.25E-05	4.96E-05	1.84E-04	1.62E-05	5.63E-06	3.22E-05	3.84E-06	5.12E-06	1.69E-05	1.16E-06
606	470338.95	3818840.91	5.86E-05	2.46E-04	2.22E-05	4.88E-05	1.81E-04	1.59E-05	5.54E-06	3.17E-05	3.78E-06	5.03E-06	1.66E-05	1.14E-06
607	470347.61	3818844.63	5.76E-05	2.42E-04	2.18E-05	4.80E-05	1.78E-04	1.56E-05	5.44E-06	3.11E-05	3.72E-06	4.95E-06	1.63E-05	1.12E-06
608	470356.27	3818848.34	5.67E-05	2.38E-04	2.14E-05	4.72E-05	1.75E-04	1.54E-05	5.35E-06	3.06E-05	3.65E-06	4.86E-06	1.60E-05	1.11E-06
609	470364.93	3818852.06	5.57E-05	2.34E-04	2.11E-05	4.64E-05	1.72E-04	1.51E-05	5.26E-06	3.01E-05	3.59E-06	4.78E-06	1.58E-05	1.09E-06
610	470373.59	3818855.78	5.47E-05	2.30E-04	2.07E-05	4.56E-05	1.69E-04	1.49E-05	5.17E-06	2.96E-05	3.53E-06	4.70E-06	1.55E-05	1.07E-06
611	470382.25	3818859.49	5.37E-05	2.26E-04	2.03E-05	4.47E-05	1.66E-04	1.46E-05	5.07E-06	2.90E-05	3.46E-06	4.61E-06	1.52E-05	1.05E-06
612	470390.91	3818863.21	5.26E-05	2.21E-04	1.99E-05	4.38E-05	1.62E-04	1.43E-05	4.97E-06	2.84E-05	3.39E-06	4.52E-06	1.49E-05	1.03E-06
613	470399.57	3818866.93	5.15E-05	2.16E-04	1.95E-05	4.29E-05	1.59E-04	1.40E-05	4.86E-06	2.78E-05	3.32E-06	4.42E-06	1.46E-05	1.00E-06
614	470609.56	3819014.9	4.36E-05	1.83E-04	1.65E-05	3.63E-05	1.34E-04	1.18E-05	4.11E-06	2.35E-05	2.81E-06	3.74E-06	1.23E-05	8.50E-07
615	470613.08	3819023.64	4.51E-05	1.89E-04	1.70E-05	3.75E-05	1.39E-04	1.22E-05	4.26E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.79E-07
616	470616.6	3819032.38	4.67E-05	1.96E-04	1.76E-05	3.89E-05	1.44E-04	1.27E-05	4.41E-06	2.52E-05	3.01E-06	4.01E-06	1.32E-05	9.10E-07
617	470620.12	3819041.13	4.84E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.57E-06	2.61E-05	3.12E-06	4.15E-06	1.37E-05	9.44E-07
618	470623.63	3819049.87	5.02E-05	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.74E-06	2.71E-05	3.24E-06	4.31E-06	1.42E-05	9.80E-07
619	470627.15	3819058.61	5.22E-05	2.19E-04	1.97E-05	4.34E-05	1.61E-04	1.42E-05	4.93E-06	2.82E-05	3.36E-06	4.48E-06	1.48E-05	1.02E-06
620	470630.67	3819067.35	5.42E-05	2.28E-04	2.05E-05	4.52E-05	1.67E-04	1.47E-05	5.12E-06	2.93E-05	3.50E-06	4.65E-06	1.53E-05	1.06E-06
621	470634.19	3819076.09	5.64E-05	2.37E-04	2.13E-05	4.70E-05	1.74E-04	1.53E-05	5.32E-06	3.05E-05	3.64E-06	4.84E-06	1.60E-05	1.10E-06
622	470637.71	3819084.83	5.86E-05	2.46E-04	2.22E-05	4.88E-05	1.81E-04	1.59E-05	5.53E-06	3.17E-05	3.78E-06	5.03E-06	1.66E-05	1.14E-06
623	470641.23	3819093.57	6.09E-05	2.56E-04	2.30E-05	5.07E-05	1.88E-04	1.65E-05	5.75E-06	3.29E-05	3.93E-06	5.23E-06	1.72E-05	1.19E-06
624	470644.75	3819102.31	6.33E-05	2.66E-04	2.40E-05	5.28E-05	1.95E-04	1.72E-05	5.98E-06	3.42E-05	4.08E-06	5.44E-06	1.79E-05	1.24E-06
625	470648.27	3819111.05	6.58E-05	2.76E-04	2.49E-05	5.48E-05	2.03E-04	1.79E-05	6.22E-06	3.56E-05	4.25E-06	5.65E-06	1.86E-05	1.28E-06
626	470651.79	3819119.8	6.84E-05	2.87E-04	2.59E-05	5.70E-05	2.11E-04	1.86E-05	6.46E-06	3.70E-05	4.41E-06	5.87E-06	1.94E-05	1.33E-06

627	470655.31	3819128.54	7.10E-05	2.98E-04	2.69E-05	5.92E-05	2.19E-04	1.93E-05	6.71E-06	3.84E-05	4.58E-06	6.10E-06	2.01E-05	1.39E-06
628	470658.83	3819137.28	7.37E-05	3.10E-04	2.79E-05	6.14E-05	2.27E-04	2.00E-05	6.96E-06	3.98E-05	4.75E-06	6.33E-06	2.09E-05	1.44E-06
629	470662.34	3819146.02	7.64E-05	3.21E-04	2.89E-05	6.37E-05	2.36E-04	2.07E-05	7.22E-06	4.13E-05	4.93E-06	6.56E-06	2.16E-05	1.49E-06
630	470665.86	3819154.76	7.91E-05	3.32E-04	2.99E-05	6.59E-05	2.44E-04	2.15E-05	7.47E-06	4.28E-05	5.10E-06	6.79E-06	2.24E-05	1.54E-06
631	470669.38	3819163.5	8.19E-05	3.44E-04	3.10E-05	6.82E-05	2.53E-04	2.22E-05	7.73E-06	4.43E-05	5.28E-06	7.03E-06	2.32E-05	1.60E-06
632	470672.9	3819172.24	8.46E-05	3.55E-04	3.20E-05	7.05E-05	2.61E-04	2.30E-05	7.99E-06	4.57E-05	5.46E-06	7.26E-06	2.39E-05	1.65E-06
633	470676.42	3819180.98	8.73E-05	3.67E-04	3.30E-05	7.27E-05	2.69E-04	2.37E-05	8.24E-06	4.72E-05	5.63E-06	7.49E-06	2.47E-05	1.70E-06
634	470679.94	3819189.72	9.00E-05	3.78E-04	3.40E-05	7.49E-05	2.78E-04	2.44E-05	8.49E-06	4.86E-05	5.80E-06	7.72E-06	2.55E-05	1.76E-06
635	470683.46	3819198.47	9.26E-05	3.89E-04	3.50E-05	7.71E-05	2.86E-04	2.51E-05	8.74E-06	5.00E-05	5.97E-06	7.95E-06	2.62E-05	1.81E-06
636	470686.98	3819207.21	9.50E-05	3.99E-04	3.59E-05	7.92E-05	2.93E-04	2.58E-05	8.98E-06	5.14E-05	6.13E-06	8.16E-06	2.69E-05	1.85E-06
637	470690.5	3819215.95	9.75E-05	4.09E-04	3.69E-05	8.12E-05	3.01E-04	2.65E-05	9.20E-06	5.27E-05	6.29E-06	8.37E-06	2.76E-05	1.90E-06
638	470694.02	3819224.69	9.97E-05	4.19E-04	3.77E-05	8.31E-05	3.08E-04	2.71E-05	9.42E-06	5.39E-05	6.43E-06	8.56E-06	2.82E-05	1.95E-06
639	470277.44	3818818.48	6.53E-05	2.74E-04	2.47E-05	5.44E-05	2.01E-04	1.77E-05	6.17E-06	3.53E-05	4.21E-06	5.61E-06	1.85E-05	1.27E-06
640	470267.87	3818818.34	6.69E-05	2.81E-04	2.53E-05	5.57E-05	2.06E-04	1.82E-05	6.32E-06	3.62E-05	4.31E-06	5.74E-06	1.89E-05	1.31E-06
641	470258.31	3818818.21	6.84E-05	2.87E-04	2.59E-05	5.70E-05	2.11E-04	1.86E-05	6.46E-06	3.70E-05	4.41E-06	5.87E-06	1.94E-05	1.33E-06
642	470248.75	3818818.07	6.97E-05	2.93E-04	2.64E-05	5.81E-05	2.15E-04	1.89E-05	6.59E-06	3.77E-05	4.50E-06	5.99E-06	1.97E-05	1.36E-06
643	470239.19	3818817.94	7.10E-05	2.98E-04	2.68E-05	5.91E-05	2.19E-04	1.93E-05	6.70E-06	3.84E-05	4.58E-06	6.09E-06	2.01E-05	1.39E-06
644	470229.63	3818817.8	7.21E-05	3.03E-04	2.73E-05	6.01E-05	2.23E-04	1.96E-05	6.81E-06	3.90E-05	4.65E-06	6.19E-06	2.04E-05	1.41E-06
645	470220.06	3818817.67	7.32E-05	3.07E-04	2.77E-05	6.10E-05	2.26E-04	1.99E-05	6.91E-06	3.96E-05	4.72E-06	6.28E-06	2.07E-05	1.43E-06
646	470210.5	3818817.53	7.41E-05	3.11E-04	2.80E-05	6.17E-05	2.29E-04	2.01E-05	7.00E-06	4.01E-05	4.78E-06	6.36E-06	2.10E-05	1.45E-06
647	470200.94	3818817.4	7.49E-05	3.15E-04	2.83E-05	6.24E-05	2.31E-04	2.03E-05	7.07E-06	4.05E-05	4.83E-06	6.43E-06	2.12E-05	1.46E-06
648	470191.38	3818817.26	7.56E-05	3.17E-04	2.86E-05	6.30E-05	2.33E-04	2.05E-05	7.14E-06	4.09E-05	4.88E-06	6.49E-06	2.14E-05	1.47E-06
649	470162.69	3818816.86	7.66E-05	3.22E-04	2.90E-05	6.38E-05	2.36E-04	2.08E-05	7.23E-06	4.14E-05	4.94E-06	6.57E-06	2.17E-05	1.49E-06
650	470153.13	3818816.72	7.65E-05	3.21E-04	2.89E-05	6.37E-05	2.36E-04	2.08E-05	7.22E-06	4.14E-05	4.93E-06	6.57E-06	2.17E-05	1.49E-06
651	470143.57	3818816.59	7.63E-05	3.20E-04	2.88E-05	6.35E-05	2.35E-04	2.07E-05	7.20E-06	4.12E-05	4.92E-06	6.55E-06	2.16E-05	1.49E-06
652	470134	3818816.45	7.59E-05	3.19E-04	2.87E-05	6.32E-05	2.34E-04	2.06E-05	7.16E-06	4.10E-05	4.89E-06	6.51E-06	2.15E-05	1.48E-06
653	470124.44	3818816.32	7.53E-05	3.16E-04	2.85E-05	6.27E-05	2.32E-04	2.04E-05	7.11E-06	4.07E-05	4.86E-06	6.47E-06	2.13E-05	1.47E-06
654	470114.88	3818816.18	7.46E-05	3.13E-04	2.82E-05	6.22E-05	2.30E-04	2.03E-05	7.05E-06	4.03E-05	4.81E-06	6.41E-06	2.11E-05	1.46E-06
655	470313.71	3818789.84	5.31E-05	2.23E-04	2.01E-05	4.42E-05	1.64E-04	1.44E-05	5.01E-06	2.87E-05	3.42E-06	4.56E-06	1.50E-05	1.04E-06
656	470322.42	3818793.58	5.24E-05	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.95E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
657	470331.14	3818797.32	5.16E-05	2.17E-04	1.95E-05	4.30E-05	1.59E-04	1.40E-05	4.88E-06	2.79E-05	3.33E-06	4.43E-06	1.46E-05	1.01E-06
658	470339.85	3818801.06	5.09E-05	2.14E-04	1.92E-05	4.24E-05	1.57E-04	1.38E-05	4.80E-06	2.75E-05	3.28E-06	4.37E-06	1.44E-05	9.93E-07
659	470348.57	3818804.8	5.01E-05	2.10E-04	1.89E-05	4.17E-05	1.54E-04	1.36E-05	4.73E-06	2.71E-05	3.23E-06	4.30E-06	1.42E-05	9.77E-07
660	470357.28	3818808.54	4.93E-05	2.07E-04	1.87E-05	4.11E-05	1.52E-04	1.34E-05	4.66E-06	2.67E-05	3.18E-06	4.23E-06	1.40E-05	9.62E-07
661	470366	3818812.28	4.86E-05	2.04E-04	1.84E-05	4.04E-05	1.50E-04	1.32E-05	4.59E-06	2.63E-05	3.13E-06	4.17E-06	1.37E-05	9.47E-07
662	470374.71	3818816.02	4.78E-05	2.01E-04	1.81E-05	3.98E-05	1.47E-04	1.30E-05	4.51E-06	2.58E-05	3.08E-06	4.10E-06	1.35E-05	9.32E-07
663	470383.43	3818819.76	4.70E-05	1.97E-04	1.78E-05	3.91E-05	1.45E-04	1.27E-05	4.43E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.16E-07
664	470392.14	3818823.5	4.61E-05	1.93E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.95E-06	1.30E-05	8.99E-07
665	470470.57	3818857.17	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.62E-06	2.07E-05	2.47E-06	3.29E-06	1.08E-05	7.47E-07
666	470479.29	3818860.91	3.75E-05	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.54E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.32E-07
667	470488	3818864.65	3.68E-05	1.54E-04	1.39E-05	3.06E-05	1.13E-04	9.98E-06	3.47E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.17E-07
668	470638.34	3818987.39	3.61E-05	1.52E-04	1.37E-05	3.01E-05	1.11E-04	9.80E-06	3.41E-06	1.95E-05	2.33E-06	3.10E-06	1.02E-05	7.05E-07

669	470641.88	3818996.19	3.73E-05	1.57E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.52E-06	2.01E-05	2.40E-06	3.20E-06	1.06E-05	7.27E-07
670	470645.43	3819004.99	3.85E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.08E-05	2.48E-06	3.31E-06	1.09E-05	7.51E-07
671	470648.97	3819013.78	3.98E-05	1.67E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.77E-07
672	470652.51	3819022.58	4.12E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.23E-05	2.66E-06	3.54E-06	1.17E-05	8.05E-07
673	470656.05	3819031.38	4.27E-05	1.79E-04	1.62E-05	3.56E-05	1.32E-04	1.16E-05	4.03E-06	2.31E-05	2.76E-06	3.67E-06	1.21E-05	8.34E-07
674	470659.59	3819040.18	4.43E-05	1.86E-04	1.68E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.39E-05	2.86E-06	3.80E-06	1.25E-05	8.64E-07
675	470663.13	3819048.97	4.60E-05	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.34E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.97E-07
676	470666.68	3819057.77	4.77E-05	2.00E-04	1.80E-05	3.97E-05	1.47E-04	1.29E-05	4.50E-06	2.58E-05	3.08E-06	4.09E-06	1.35E-05	9.30E-07
677	470670.22	3819066.57	4.95E-05	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.67E-05	3.19E-06	4.25E-06	1.40E-05	9.65E-07
678	470673.76	3819075.36	5.14E-05	2.16E-04	1.94E-05	4.28E-05	1.58E-04	1.39E-05	4.85E-06	2.78E-05	3.31E-06	4.41E-06	1.45E-05	1.00E-06
679	470677.3	3819084.16	5.33E-05	2.24E-04	2.02E-05	4.44E-05	1.64E-04	1.45E-05	5.03E-06	2.88E-05	3.44E-06	4.58E-06	1.51E-05	1.04E-06
680	470680.84	3819092.96	5.53E-05	2.32E-04	2.09E-05	4.61E-05	1.71E-04	1.50E-05	5.22E-06	2.99E-05	3.57E-06	4.75E-06	1.57E-05	1.08E-06
681	470684.39	3819101.76	5.74E-05	2.41E-04	2.17E-05	4.78E-05	1.77E-04	1.56E-05	5.42E-06	3.10E-05	3.70E-06	4.93E-06	1.63E-05	1.12E-06
682	470687.93	3819110.55	5.96E-05	2.50E-04	2.25E-05	4.96E-05	1.84E-04	1.62E-05	5.62E-06	3.22E-05	3.84E-06	5.11E-06	1.69E-05	1.16E-06
683	470691.47	3819119.35	6.17E-05	2.59E-04	2.33E-05	5.14E-05	1.90E-04	1.68E-05	5.83E-06	3.34E-05	3.98E-06	5.30E-06	1.75E-05	1.20E-06
684	470695.01	3819128.15	6.39E-05	2.69E-04	2.42E-05	5.33E-05	1.97E-04	1.74E-05	6.04E-06	3.46E-05	4.12E-06	5.49E-06	1.81E-05	1.25E-06
685	470698.55	3819136.95	6.62E-05	2.78E-04	2.50E-05	5.51E-05	2.04E-04	1.80E-05	6.25E-06	3.58E-05	4.27E-06	5.68E-06	1.87E-05	1.29E-06
686	470702.09	3819145.74	6.84E-05	2.87E-04	2.59E-05	5.70E-05	2.11E-04	1.86E-05	6.46E-06	3.70E-05	4.41E-06	5.87E-06	1.94E-05	1.33E-06
687	470705.64	3819154.54	7.07E-05	2.97E-04	2.67E-05	5.89E-05	2.18E-04	1.92E-05	6.67E-06	3.82E-05	4.56E-06	6.07E-06	2.00E-05	1.38E-06
688	470709.18	3819163.34	7.29E-05	3.06E-04	2.76E-05	6.07E-05	2.25E-04	1.98E-05	6.88E-06	3.94E-05	4.70E-06	6.26E-06	2.06E-05	1.42E-06
689	470712.72	3819172.14	7.51E-05	3.15E-04	2.84E-05	6.26E-05	2.32E-04	2.04E-05	7.09E-06	4.06E-05	4.85E-06	6.45E-06	2.13E-05	1.47E-06
690	470716.26	3819180.93	7.73E-05	3.25E-04	2.92E-05	6.44E-05	2.39E-04	2.10E-05	7.30E-06	4.18E-05	4.99E-06	6.64E-06	2.19E-05	1.51E-06
691	470719.8	3819189.73	7.95E-05	3.34E-04	3.01E-05	6.62E-05	2.45E-04	2.16E-05	7.51E-06	4.30E-05	5.13E-06	6.82E-06	2.25E-05	1.55E-06
692	470723.34	3819198.53	8.16E-05	3.43E-04	3.09E-05	6.80E-05	2.52E-04	2.21E-05	7.70E-06	4.41E-05	5.26E-06	7.00E-06	2.31E-05	1.59E-06
693	470726.89	3819207.32	8.36E-05	3.51E-04	3.16E-05	6.96E-05	2.58E-04	2.27E-05	7.89E-06	4.52E-05	5.39E-06	7.18E-06	2.37E-05	1.63E-06
694	470730.43	3819216.12	8.55E-05	3.59E-04	3.23E-05	7.12E-05	2.64E-04	2.32E-05	8.07E-06	4.62E-05	5.52E-06	7.34E-06	2.42E-05	1.67E-06
695	470733.97	3819224.92	8.73E-05	3.67E-04	3.30E-05	7.27E-05	2.70E-04	2.37E-05	8.25E-06	4.72E-05	5.63E-06	7.50E-06	2.47E-05	1.70E-06
696	470268.44	3818778.35	5.75E-05	2.41E-04	2.17E-05	4.79E-05	1.77E-04	1.56E-05	5.43E-06	3.11E-05	3.71E-06	4.93E-06	1.63E-05	1.12E-06
697	470258.88	3818778.21	5.87E-05	2.46E-04	2.22E-05	4.89E-05	1.81E-04	1.59E-05	5.54E-06	3.17E-05	3.78E-06	5.04E-06	1.66E-05	1.14E-06
698	470249.31	3818778.08	5.97E-05	2.51E-04	2.26E-05	4.97E-05	1.84E-04	1.62E-05	5.64E-06	3.23E-05	3.85E-06	5.13E-06	1.69E-05	1.17E-06
699	470239.75	3818777.94	6.07E-05	2.55E-04	2.29E-05	5.05E-05	1.87E-04	1.65E-05	5.73E-06	3.28E-05	3.91E-06	5.21E-06	1.72E-05	1.18E-06
700	470230.19	3818777.81	6.16E-05	2.59E-04	2.33E-05	5.13E-05	1.90E-04	1.67E-05	5.81E-06	3.33E-05	3.97E-06	5.28E-06	1.74E-05	1.20E-06
701	470220.63	3818777.67	6.24E-05	2.62E-04	2.36E-05	5.20E-05	1.93E-04	1.69E-05	5.90E-06	3.38E-05	4.03E-06	5.36E-06	1.77E-05	1.22E-06
702	470211.07	3818777.54	6.32E-05	2.65E-04	2.39E-05	5.26E-05	1.95E-04	1.72E-05	5.97E-06	3.42E-05	4.08E-06	5.43E-06	1.79E-05	1.23E-06
703	470201.5	3818777.4	6.38E-05	2.68E-04	2.41E-05	5.32E-05	1.97E-04	1.73E-05	6.03E-06	3.45E-05	4.12E-06	5.48E-06	1.81E-05	1.25E-06
704	470191.94	3818777.27	6.44E-05	2.70E-04	2.43E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
705	470163.25	3818776.86	6.52E-05	2.74E-04	2.47E-05	5.43E-05	2.01E-04	1.77E-05	6.16E-06	3.53E-05	4.21E-06	5.60E-06	1.85E-05	1.27E-06
706	470153.69	3818776.73	6.53E-05	2.74E-04	2.47E-05	5.44E-05	2.01E-04	1.77E-05	6.17E-06	3.53E-05	4.21E-06	5.60E-06	1.85E-05	1.27E-06
707	470144.13	3818776.59	6.52E-05	2.74E-04	2.47E-05	5.43E-05	2.01E-04	1.77E-05	6.16E-06	3.53E-05	4.21E-06	5.60E-06	1.85E-05	1.27E-06
708	470134.57	3818776.46	6.50E-05	2.73E-04	2.46E-05	5.41E-05	2.00E-04	1.76E-05	6.13E-06	3.51E-05	4.19E-06	5.58E-06	1.84E-05	1.27E-06
709	470125.01	3818776.32	6.45E-05	2.71E-04	2.44E-05	5.37E-05	1.99E-04	1.75E-05	6.09E-06	3.49E-05	4.16E-06	5.54E-06	1.83E-05	1.26E-06
710	470115.44	3818776.19	6.39E-05	2.68E-04	2.42E-05	5.32E-05	1.97E-04	1.73E-05	6.03E-06	3.45E-05	4.12E-06	5.49E-06	1.81E-05	1.25E-06

711	470296.89	3818742.38	4.73E-05	1.99E-04	1.79E-05	3.94E-05	1.46E-04	1.28E-05	4.47E-06	2.56E-05	3.05E-06	4.06E-06	1.34E-05	9.24E-07
712	470305.65	3818746.14	4.68E-05	1.97E-04	1.77E-05	3.90E-05	1.45E-04	1.27E-05	4.42E-06	2.53E-05	3.02E-06	4.02E-06	1.33E-05	9.14E-07
713	470314.41	3818749.9	4.63E-05	1.94E-04	1.75E-05	3.86E-05	1.43E-04	1.26E-05	4.37E-06	2.50E-05	2.99E-06	3.98E-06	1.31E-05	9.04E-07
714	470323.18	3818753.66	4.57E-05	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.32E-06	2.47E-05	2.95E-06	3.93E-06	1.29E-05	8.93E-07
715	470331.94	3818757.42	4.51E-05	1.90E-04	1.71E-05	3.76E-05	1.39E-04	1.23E-05	4.26E-06	2.44E-05	2.91E-06	3.88E-06	1.28E-05	8.81E-07
716	470340.7	3818761.18	4.45E-05	1.87E-04	1.68E-05	3.71E-05	1.37E-04	1.21E-05	4.20E-06	2.41E-05	2.87E-06	3.82E-06	1.26E-05	8.69E-07
717	470349.46	3818764.95	4.39E-05	1.84E-04	1.66E-05	3.65E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.77E-06	1.24E-05	8.56E-07
718	470358.23	3818768.71	4.33E-05	1.82E-04	1.64E-05	3.60E-05	1.34E-04	1.17E-05	4.09E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.44E-07
719	470366.99	3818772.47	4.27E-05	1.79E-04	1.61E-05	3.55E-05	1.32E-04	1.16E-05	4.03E-06	2.31E-05	2.75E-06	3.66E-06	1.21E-05	8.32E-07
720	470375.75	3818776.23	4.20E-05	1.77E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.97E-06	2.27E-05	2.71E-06	3.61E-06	1.19E-05	8.20E-07
721	470384.51	3818779.99	4.14E-05	1.74E-04	1.56E-05	3.45E-05	1.28E-04	1.12E-05	3.91E-06	2.24E-05	2.67E-06	3.55E-06	1.17E-05	8.07E-07
722	470393.27	3818783.75	4.06E-05	1.71E-04	1.54E-05	3.38E-05	1.25E-04	1.10E-05	3.84E-06	2.20E-05	2.62E-06	3.49E-06	1.15E-05	7.93E-07
723	470472.13	3818817.6	3.42E-05	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.28E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.68E-06	6.67E-07
724	470480.89	3818821.36	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.88E-06	9.48E-06	6.54E-07
725	470489.66	3818825.12	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.91E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.41E-07
726	470498.42	3818828.88	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.94E-05	8.74E-06	3.04E-06	1.74E-05	2.08E-06	2.76E-06	9.12E-06	6.28E-07
727	470603.56	3818874.01	2.62E-05	1.10E-04	9.89E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.24E-06	7.40E-06	5.10E-07
728	470612.33	3818877.77	2.58E-05	1.08E-04	9.77E-06	2.15E-05	7.97E-05	7.01E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.31E-06	5.04E-07
729	470621.09	3818881.53	2.55E-05	1.07E-04	9.66E-06	2.13E-05	7.88E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.23E-06	4.98E-07
730	470629.85	3818885.29	2.53E-05	1.06E-04	9.56E-06	2.10E-05	7.80E-05	6.86E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.15E-06	4.93E-07
731	470642.17	3818897.9	2.55E-05	1.07E-04	9.66E-06	2.13E-05	7.88E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.23E-06	4.98E-07
732	470645.73	3818906.74	2.61E-05	1.10E-04	9.86E-06	2.17E-05	8.05E-05	7.08E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.38E-06	5.09E-07
733	470649.29	3818915.59	2.67E-05	1.12E-04	1.01E-05	2.22E-05	8.23E-05	7.24E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.55E-06	5.20E-07
734	470652.86	3818924.43	2.73E-05	1.15E-04	1.03E-05	2.27E-05	8.42E-05	7.41E-06	2.58E-06	1.48E-05	1.76E-06	2.34E-06	7.73E-06	5.33E-07
735	470656.42	3818933.28	2.80E-05	1.18E-04	1.06E-05	2.33E-05	8.63E-05	7.59E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.92E-06	5.46E-07
736	470667.1	3818959.81	3.04E-05	1.27E-04	1.15E-05	2.53E-05	9.37E-05	8.24E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.59E-06	5.92E-07
737	470670.66	3818968.66	3.13E-05	1.31E-04	1.18E-05	2.60E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.68E-06	8.85E-06	6.10E-07
738	470674.22	3818977.5	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.95E-05	8.75E-06	3.04E-06	1.74E-05	2.08E-06	2.77E-06	9.12E-06	6.29E-07
739	470677.78	3818986.35	3.33E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.03E-06	3.14E-06	1.80E-05	2.15E-06	2.86E-06	9.41E-06	6.49E-07
740	470681.34	3818995.19	3.44E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.33E-06	3.24E-06	1.86E-05	2.22E-06	2.95E-06	9.72E-06	6.70E-07
741	470684.9	3819004.04	3.55E-05	1.49E-04	1.34E-05	2.96E-05	1.10E-04	9.64E-06	3.35E-06	1.92E-05	2.29E-06	3.05E-06	1.01E-05	6.93E-07
742	470688.47	3819012.88	3.67E-05	1.54E-04	1.39E-05	3.06E-05	1.13E-04	9.97E-06	3.47E-06	1.99E-05	2.37E-06	3.15E-06	1.04E-05	7.17E-07
743	470692.03	3819021.73	3.80E-05	1.60E-04	1.44E-05	3.17E-05	1.17E-04	1.03E-05	3.59E-06	2.06E-05	2.45E-06	3.26E-06	1.08E-05	7.42E-07
744	470695.59	3819030.57	3.94E-05	1.65E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.69E-07
745	470699.15	3819039.42	4.08E-05	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.21E-05	2.63E-06	3.50E-06	1.16E-05	7.96E-07
746	470702.71	3819048.26	4.23E-05	1.78E-04	1.60E-05	3.52E-05	1.31E-04	1.15E-05	3.99E-06	2.29E-05	2.73E-06	3.63E-06	1.20E-05	8.25E-07
747	470706.27	3819057.11	4.38E-05	1.84E-04	1.66E-05	3.65E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.76E-06	1.24E-05	8.55E-07
748	470709.83	3819065.95	4.54E-05	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.23E-05	4.29E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.87E-07
749	470713.39	3819074.8	4.71E-05	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.04E-06	1.33E-05	9.19E-07
750	470716.95	3819083.64	4.88E-05	2.05E-04	1.85E-05	4.07E-05	1.51E-04	1.32E-05	4.61E-06	2.64E-05	3.15E-06	4.19E-06	1.38E-05	9.52E-07
751	470720.51	3819092.49	5.06E-05	2.12E-04	1.91E-05	4.21E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.26E-06	4.34E-06	1.43E-05	9.87E-07
752	470724.08	3819101.33	5.23E-05	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.94E-06	2.83E-05	3.38E-06	4.49E-06	1.48E-05	1.02E-06

753	470727.64	3819110.18	5.42E-05	2.27E-04	2.05E-05	4.51E-05	1.67E-04	1.47E-05	5.11E-06	2.93E-05	3.49E-06	4.65E-06	1.53E-05	1.06E-06
754	470731.2	3819119.02	5.60E-05	2.35E-04	2.12E-05	4.66E-05	1.73E-04	1.52E-05	5.29E-06	3.03E-05	3.61E-06	4.81E-06	1.58E-05	1.09E-06
755	470734.76	3819127.87	5.78E-05	2.43E-04	2.19E-05	4.82E-05	1.78E-04	1.57E-05	5.46E-06	3.13E-05	3.73E-06	4.96E-06	1.64E-05	1.13E-06
756	470738.32	3819136.72	5.97E-05	2.51E-04	2.26E-05	4.97E-05	1.84E-04	1.62E-05	5.64E-06	3.23E-05	3.85E-06	5.12E-06	1.69E-05	1.16E-06
757	470741.88	3819145.56	6.16E-05	2.59E-04	2.33E-05	5.13E-05	1.90E-04	1.67E-05	5.81E-06	3.33E-05	3.97E-06	5.29E-06	1.74E-05	1.20E-06
758	470745.44	3819154.41	6.35E-05	2.66E-04	2.40E-05	5.29E-05	1.96E-04	1.72E-05	5.99E-06	3.43E-05	4.09E-06	5.45E-06	1.80E-05	1.24E-06
759	470749	3819163.25	6.53E-05	2.74E-04	2.47E-05	5.44E-05	2.02E-04	1.77E-05	6.17E-06	3.53E-05	4.21E-06	5.61E-06	1.85E-05	1.27E-06
760	470752.56	3819172.1	6.71E-05	2.82E-04	2.54E-05	5.59E-05	2.07E-04	1.82E-05	6.34E-06	3.63E-05	4.33E-06	5.76E-06	1.90E-05	1.31E-06
761	470756.12	3819180.94	6.90E-05	2.90E-04	2.61E-05	5.74E-05	2.13E-04	1.87E-05	6.51E-06	3.73E-05	4.45E-06	5.92E-06	1.95E-05	1.35E-06
762	470759.69	3819189.79	7.07E-05	2.97E-04	2.67E-05	5.89E-05	2.18E-04	1.92E-05	6.68E-06	3.82E-05	4.56E-06	6.07E-06	2.00E-05	1.38E-06
763	470763.25	3819198.63	7.24E-05	3.04E-04	2.74E-05	6.03E-05	2.23E-04	1.97E-05	6.84E-06	3.92E-05	4.67E-06	6.22E-06	2.05E-05	1.41E-06
764	470766.81	3819207.48	7.40E-05	3.11E-04	2.80E-05	6.17E-05	2.29E-04	2.01E-05	6.99E-06	4.00E-05	4.78E-06	6.36E-06	2.10E-05	1.44E-06
765	470770.37	3819216.32	7.56E-05	3.18E-04	2.86E-05	6.30E-05	2.33E-04	2.05E-05	7.14E-06	4.09E-05	4.88E-06	6.49E-06	2.14E-05	1.48E-06
766	470773.93	3819225.17	7.71E-05	3.24E-04	2.92E-05	6.42E-05	2.38E-04	2.09E-05	7.28E-06	4.17E-05	4.97E-06	6.62E-06	2.18E-05	1.50E-06
767	470288.13	3818738.62	4.78E-05	2.01E-04	1.81E-05	3.98E-05	1.47E-04	1.30E-05	4.51E-06	2.58E-05	3.08E-06	4.10E-06	1.35E-05	9.32E-07
768	470278.57	3818738.48	4.88E-05	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.60E-06	2.64E-05	3.14E-06	4.19E-06	1.38E-05	9.51E-07
769	470269	3818738.35	4.97E-05	2.09E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.69E-06	2.69E-05	3.21E-06	4.27E-06	1.41E-05	9.70E-07
770	470259.44	3818738.21	5.06E-05	2.13E-04	1.91E-05	4.22E-05	1.56E-04	1.37E-05	4.78E-06	2.74E-05	3.27E-06	4.35E-06	1.43E-05	9.88E-07
771	470249.88	3818738.08	5.16E-05	2.17E-04	1.95E-05	4.29E-05	1.59E-04	1.40E-05	4.87E-06	2.79E-05	3.33E-06	4.43E-06	1.46E-05	1.01E-06
772	470240.32	3818737.94	5.24E-05	2.20E-04	1.98E-05	4.37E-05	1.62E-04	1.42E-05	4.95E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
773	470230.75	3818737.81	5.32E-05	2.24E-04	2.01E-05	4.43E-05	1.64E-04	1.45E-05	5.03E-06	2.88E-05	3.43E-06	4.57E-06	1.51E-05	1.04E-06
774	470221.19	3818737.67	5.40E-05	2.27E-04	2.04E-05	4.49E-05	1.66E-04	1.46E-05	5.10E-06	2.92E-05	3.48E-06	4.63E-06	1.53E-05	1.05E-06
775	470211.63	3818737.54	5.46E-05	2.29E-04	2.06E-05	4.55E-05	1.68E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
776	470202.07	3818737.4	5.51E-05	2.32E-04	2.08E-05	4.59E-05	1.70E-04	1.50E-05	5.21E-06	2.98E-05	3.56E-06	4.73E-06	1.56E-05	1.08E-06
777	470192.51	3818737.27	5.56E-05	2.33E-04	2.10E-05	4.63E-05	1.72E-04	1.51E-05	5.25E-06	3.00E-05	3.58E-06	4.77E-06	1.57E-05	1.08E-06
778	470182.94	3818737.13	5.59E-05	2.35E-04	2.11E-05	4.66E-05	1.73E-04	1.52E-05	5.28E-06	3.02E-05	3.61E-06	4.80E-06	1.58E-05	1.09E-06
779	470173.38	3818737	5.62E-05	2.36E-04	2.12E-05	4.68E-05	1.73E-04	1.52E-05	5.30E-06	3.04E-05	3.62E-06	4.82E-06	1.59E-05	1.10E-06
780	470163.82	3818736.86	5.63E-05	2.36E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.32E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
781	470154.26	3818736.73	5.63E-05	2.37E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.32E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
782	470144.69	3818736.59	5.62E-05	2.36E-04	2.13E-05	4.68E-05	1.74E-04	1.53E-05	5.31E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
783	470135.13	3818736.46	5.61E-05	2.35E-04	2.12E-05	4.67E-05	1.73E-04	1.52E-05	5.29E-06	3.03E-05	3.62E-06	4.81E-06	1.59E-05	1.09E-06
784	470125.57	3818736.32	5.58E-05	2.34E-04	2.11E-05	4.65E-05	1.72E-04	1.51E-05	5.27E-06	3.02E-05	3.60E-06	4.79E-06	1.58E-05	1.09E-06
785	470116.01	3818736.19	5.54E-05	2.33E-04	2.10E-05	4.62E-05	1.71E-04	1.50E-05	5.23E-06	3.00E-05	3.58E-06	4.76E-06	1.57E-05	1.08E-06
786	470297.3	3818702.32	4.16E-05	1.75E-04	1.57E-05	3.47E-05	1.28E-04	1.13E-05	3.93E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.12E-07
787	470305.9	3818706.01	4.12E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.23E-05	2.66E-06	3.54E-06	1.17E-05	8.04E-07
788	470314.5	3818709.7	4.08E-05	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.20E-05	2.63E-06	3.50E-06	1.15E-05	7.96E-07
789	470323.1	3818713.39	4.03E-05	1.69E-04	1.53E-05	3.36E-05	1.24E-04	1.09E-05	3.81E-06	2.18E-05	2.60E-06	3.46E-06	1.14E-05	7.87E-07
790	470331.71	3818717.09	3.98E-05	1.67E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.77E-07
791	470340.31	3818720.78	3.93E-05	1.65E-04	1.49E-05	3.28E-05	1.21E-04	1.07E-05	3.71E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.68E-07
792	470348.91	3818724.47	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.67E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
793	470357.52	3818728.16	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.62E-06	2.07E-05	2.47E-06	3.29E-06	1.09E-05	7.48E-07
794	470366.12	3818731.86	3.79E-05	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.57E-06	2.05E-05	2.44E-06	3.25E-06	1.07E-05	7.39E-07

795	470469.35	3818776.16	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.60E-05	8.44E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.81E-06	6.07E-07
796	470477.95	3818779.86	3.05E-05	1.28E-04	1.15E-05	2.54E-05	9.42E-05	8.29E-06	2.88E-06	1.65E-05	1.97E-06	2.62E-06	8.64E-06	5.96E-07
797	470486.56	3818783.55	2.99E-05	1.26E-04	1.13E-05	2.49E-05	9.24E-05	8.13E-06	2.83E-06	1.62E-05	1.93E-06	2.57E-06	8.48E-06	5.84E-07
798	470495.16	3818787.24	2.94E-05	1.23E-04	1.11E-05	2.45E-05	9.06E-05	7.97E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.31E-06	5.73E-07
799	470503.76	3818790.93	2.88E-05	1.21E-04	1.09E-05	2.40E-05	8.89E-05	7.82E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.16E-06	5.62E-07
800	470512.37	3818794.63	2.83E-05	1.19E-04	1.07E-05	2.36E-05	8.73E-05	7.68E-06	2.67E-06	1.53E-05	1.83E-06	2.43E-06	8.01E-06	5.52E-07
801	470624.2	3818842.63	2.27E-05	9.54E-05	8.59E-06	1.89E-05	7.01E-05	6.17E-06	2.15E-06	1.23E-05	1.47E-06	1.95E-06	6.43E-06	4.43E-07
802	470632.8	3818846.32	2.24E-05	9.43E-05	8.49E-06	1.87E-05	6.93E-05	6.09E-06	2.12E-06	1.21E-05	1.45E-06	1.93E-06	6.35E-06	4.38E-07
803	470641.41	3818850.01	2.22E-05	9.32E-05	8.39E-06	1.85E-05	6.85E-05	6.02E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.28E-06	4.33E-07
804	470650.01	3818853.7	2.20E-05	9.22E-05	8.31E-06	1.83E-05	6.78E-05	5.96E-06	2.07E-06	1.19E-05	1.42E-06	1.89E-06	6.22E-06	4.29E-07
805	470658.61	3818857.4	2.18E-05	9.14E-05	8.23E-06	1.81E-05	6.71E-05	5.91E-06	2.05E-06	1.18E-05	1.40E-06	1.87E-06	6.16E-06	4.24E-07
806	470670.71	3818869.77	2.20E-05	9.22E-05	8.30E-06	1.83E-05	6.78E-05	5.96E-06	2.07E-06	1.19E-05	1.42E-06	1.88E-06	6.21E-06	4.28E-07
807	470674.21	3818878.46	2.24E-05	9.40E-05	8.47E-06	1.86E-05	6.91E-05	6.08E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.34E-06	4.37E-07
808	470677.7	3818887.14	2.28E-05	9.59E-05	8.64E-06	1.90E-05	7.05E-05	6.20E-06	2.16E-06	1.23E-05	1.47E-06	1.96E-06	6.47E-06	4.46E-07
809	470681.2	3818895.83	2.33E-05	9.80E-05	8.83E-06	1.94E-05	7.20E-05	6.33E-06	2.20E-06	1.26E-05	1.51E-06	2.00E-06	6.61E-06	4.55E-07
810	470684.7	3818904.51	2.39E-05	1.00E-04	9.03E-06	1.99E-05	7.37E-05	6.48E-06	2.25E-06	1.29E-05	1.54E-06	2.05E-06	6.76E-06	4.66E-07
811	470688.19	3818913.2	2.44E-05	1.03E-04	9.24E-06	2.04E-05	7.54E-05	6.64E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.92E-06	4.77E-07
812	470691.69	3818921.88	2.51E-05	1.05E-04	9.48E-06	2.09E-05	7.73E-05	6.80E-06	2.37E-06	1.35E-05	1.62E-06	2.15E-06	7.09E-06	4.89E-07
813	470695.19	3818930.56	2.57E-05	1.08E-04	9.72E-06	2.14E-05	7.93E-05	6.98E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.28E-06	5.02E-07
814	470698.68	3818939.25	2.64E-05	1.11E-04	9.99E-06	2.20E-05	8.15E-05	7.17E-06	2.49E-06	1.43E-05	1.70E-06	2.27E-06	7.48E-06	5.15E-07
815	470702.18	3818947.93	2.72E-05	1.14E-04	1.03E-05	2.26E-05	8.38E-05	7.37E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.69E-06	5.30E-07
816	470705.67	3818956.62	2.79E-05	1.17E-04	1.06E-05	2.33E-05	8.62E-05	7.59E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.91E-06	5.45E-07
817	470709.17	3818965.3	2.88E-05	1.21E-04	1.09E-05	2.40E-05	8.88E-05	7.81E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.14E-06	5.61E-07
818	470712.67	3818973.99	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.15E-05	8.05E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.39E-06	5.79E-07
819	470716.16	3818982.67	3.06E-05	1.28E-04	1.16E-05	2.55E-05	9.43E-05	8.30E-06	2.89E-06	1.65E-05	1.97E-06	2.62E-06	8.65E-06	5.97E-07
820	470719.66	3818991.35	3.16E-05	1.33E-04	1.19E-05	2.63E-05	9.74E-05	8.57E-06	2.98E-06	1.71E-05	2.04E-06	2.71E-06	8.93E-06	6.16E-07
821	470723.16	3819000.04	3.26E-05	1.37E-04	1.23E-05	2.71E-05	1.01E-04	8.84E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.22E-06	6.36E-07
822	470726.65	3819008.72	3.37E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.14E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.53E-06	6.57E-07
823	470730.15	3819017.41	3.48E-05	1.46E-04	1.32E-05	2.90E-05	1.07E-04	9.45E-06	3.29E-06	1.88E-05	2.24E-06	2.99E-06	9.85E-06	6.79E-07
824	470733.64	3819026.09	3.60E-05	1.51E-04	1.36E-05	3.00E-05	1.11E-04	9.77E-06	3.40E-06	1.94E-05	2.32E-06	3.09E-06	1.02E-05	7.02E-07
825	470737.14	3819034.78	3.72E-05	1.56E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.26E-07
826	470740.64	3819043.46	3.85E-05	1.62E-04	1.46E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.51E-07
827	470744.13	3819052.14	3.98E-05	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.76E-07
828	470747.63	3819060.83	4.12E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.03E-07
829	470751.13	3819069.51	4.25E-05	1.79E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.02E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.30E-07
830	470754.62	3819078.2	4.40E-05	1.85E-04	1.66E-05	3.66E-05	1.36E-04	1.19E-05	4.15E-06	2.38E-05	2.84E-06	3.78E-06	1.24E-05	8.58E-07
831	470758.12	3819086.88	4.54E-05	1.91E-04	1.72E-05	3.78E-05	1.40E-04	1.23E-05	4.29E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.87E-07
832	470761.61	3819095.57	4.69E-05	1.97E-04	1.77E-05	3.91E-05	1.45E-04	1.27E-05	4.43E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.16E-07
833	470765.11	3819104.25	4.84E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.57E-06	2.62E-05	3.12E-06	4.16E-06	1.37E-05	9.45E-07
834	470768.61	3819112.93	5.00E-05	2.10E-04	1.89E-05	4.16E-05	1.54E-04	1.36E-05	4.72E-06	2.70E-05	3.22E-06	4.29E-06	1.41E-05	9.75E-07
835	470772.1	3819121.62	5.15E-05	2.16E-04	1.95E-05	4.29E-05	1.59E-04	1.40E-05	4.86E-06	2.78E-05	3.32E-06	4.42E-06	1.46E-05	1.00E-06
836	470775.6	3819130.3	5.30E-05	2.23E-04	2.01E-05	4.42E-05	1.64E-04	1.44E-05	5.01E-06	2.87E-05	3.42E-06	4.55E-06	1.50E-05	1.04E-06

837	470779.1	3819138.99	5.46E-05	2.29E-04	2.06E-05	4.55E-05	1.68E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
838	470782.59	3819147.67	5.61E-05	2.36E-04	2.12E-05	4.68E-05	1.73E-04	1.52E-05	5.30E-06	3.03E-05	3.62E-06	4.82E-06	1.59E-05	1.10E-06
839	470786.09	3819156.36	5.77E-05	2.42E-04	2.18E-05	4.80E-05	1.78E-04	1.57E-05	5.45E-06	3.12E-05	3.72E-06	4.95E-06	1.63E-05	1.13E-06
840	470789.58	3819165.04	5.92E-05	2.49E-04	2.24E-05	4.93E-05	1.83E-04	1.61E-05	5.59E-06	3.20E-05	3.82E-06	5.08E-06	1.68E-05	1.15E-06
841	470793.08	3819173.73	6.07E-05	2.55E-04	2.29E-05	5.05E-05	1.87E-04	1.65E-05	5.73E-06	3.28E-05	3.91E-06	5.21E-06	1.72E-05	1.18E-06
842	470796.58	3819182.41	6.21E-05	2.61E-04	2.35E-05	5.17E-05	1.92E-04	1.69E-05	5.87E-06	3.36E-05	4.01E-06	5.33E-06	1.76E-05	1.21E-06
843	470800.07	3819191.09	6.35E-05	2.67E-04	2.40E-05	5.29E-05	1.96E-04	1.72E-05	6.00E-06	3.43E-05	4.10E-06	5.45E-06	1.80E-05	1.24E-06
844	470803.57	3819199.78	6.49E-05	2.72E-04	2.45E-05	5.40E-05	2.00E-04	1.76E-05	6.12E-06	3.51E-05	4.18E-06	5.57E-06	1.84E-05	1.27E-06
845	470807.07	3819208.46	6.62E-05	2.78E-04	2.50E-05	5.51E-05	2.04E-04	1.80E-05	6.25E-06	3.58E-05	4.27E-06	5.68E-06	1.87E-05	1.29E-06
846	470810.56	3819217.15	6.74E-05	2.83E-04	2.55E-05	5.61E-05	2.08E-04	1.83E-05	6.36E-06	3.64E-05	4.35E-06	5.78E-06	1.91E-05	1.31E-06
847	470288.69	3818698.62	4.20E-05	1.76E-04	1.59E-05	3.49E-05	1.29E-04	1.14E-05	3.96E-06	2.27E-05	2.71E-06	3.60E-06	1.19E-05	8.19E-07
848	470279.13	3818698.49	4.28E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.04E-06	2.31E-05	2.76E-06	3.68E-06	1.21E-05	8.36E-07
849	470269.57	3818698.35	4.36E-05	1.83E-04	1.65E-05	3.64E-05	1.35E-04	1.18E-05	4.12E-06	2.36E-05	2.82E-06	3.75E-06	1.24E-05	8.52E-07
850	470260.01	3818698.22	4.44E-05	1.87E-04	1.68E-05	3.70E-05	1.37E-04	1.21E-05	4.20E-06	2.40E-05	2.87E-06	3.82E-06	1.26E-05	8.67E-07
851	470250.44	3818698.08	4.52E-05	1.90E-04	1.71E-05	3.76E-05	1.39E-04	1.23E-05	4.27E-06	2.44E-05	2.91E-06	3.88E-06	1.28E-05	8.82E-07
852	470240.88	3818697.95	4.59E-05	1.93E-04	1.73E-05	3.82E-05	1.42E-04	1.25E-05	4.33E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.95E-07
853	470231.32	3818697.81	4.65E-05	1.95E-04	1.76E-05	3.87E-05	1.43E-04	1.26E-05	4.39E-06	2.51E-05	3.00E-06	3.99E-06	1.32E-05	9.07E-07
854	470221.76	3818697.68	4.71E-05	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.04E-06	1.33E-05	9.19E-07
855	470212.2	3818697.54	4.76E-05	2.00E-04	1.80E-05	3.97E-05	1.47E-04	1.29E-05	4.50E-06	2.57E-05	3.07E-06	4.09E-06	1.35E-05	9.29E-07
856	470202.63	3818697.41	4.81E-05	2.02E-04	1.82E-05	4.01E-05	1.48E-04	1.31E-05	4.54E-06	2.60E-05	3.10E-06	4.13E-06	1.36E-05	9.38E-07
857	470193.07	3818697.27	4.85E-05	2.04E-04	1.83E-05	4.04E-05	1.50E-04	1.32E-05	4.58E-06	2.62E-05	3.13E-06	4.16E-06	1.37E-05	9.46E-07
858	470183.51	3818697.14	4.88E-05	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.61E-06	2.64E-05	3.15E-06	4.19E-06	1.38E-05	9.52E-07
859	470173.95	3818697	4.90E-05	2.06E-04	1.85E-05	4.08E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.56E-07
860	470164.38	3818696.87	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.58E-07
861	470154.82	3818696.73	4.92E-05	2.06E-04	1.86E-05	4.10E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.59E-07
862	470145.26	3818696.6	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.59E-07
863	470135.7	3818696.46	4.90E-05	2.06E-04	1.85E-05	4.08E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.56E-07
864	470126.14	3818696.33	4.88E-05	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.60E-06	2.64E-05	3.15E-06	4.19E-06	1.38E-05	9.52E-07
865	470116.57	3818696.19	4.85E-05	2.04E-04	1.83E-05	4.04E-05	1.50E-04	1.32E-05	4.58E-06	2.62E-05	3.13E-06	4.16E-06	1.37E-05	9.46E-07
866	470479.56	3818740.31	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.51E-05	7.48E-06	2.60E-06	1.49E-05	1.78E-06	2.37E-06	7.80E-06	5.38E-07
867	470488.21	3818744.02	2.71E-05	1.14E-04	1.02E-05	2.25E-05	8.35E-05	7.35E-06	2.56E-06	1.46E-05	1.75E-06	2.32E-06	7.66E-06	5.28E-07
868	470496.86	3818747.73	2.66E-05	1.12E-04	1.01E-05	2.21E-05	8.20E-05	7.21E-06	2.51E-06	1.44E-05	1.71E-06	2.28E-06	7.52E-06	5.19E-07
869	470505.51	3818751.45	2.61E-05	1.10E-04	9.87E-06	2.17E-05	8.05E-05	7.08E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.38E-06	5.09E-07
870	470514.16	3818755.16	2.56E-05	1.08E-04	9.68E-06	2.13E-05	7.90E-05	6.95E-06	2.42E-06	1.38E-05	1.65E-06	2.20E-06	7.25E-06	5.00E-07
871	470522.81	3818758.87	2.51E-05	1.06E-04	9.50E-06	2.09E-05	7.76E-05	6.82E-06	2.37E-06	1.36E-05	1.62E-06	2.16E-06	7.11E-06	4.90E-07
872	470592.02	3818788.57	2.18E-05	9.17E-05	8.26E-06	1.82E-05	6.74E-05	5.93E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.18E-06	4.26E-07
873	470600.67	3818792.29	2.15E-05	9.02E-05	8.12E-06	1.79E-05	6.63E-05	5.83E-06	2.03E-06	1.16E-05	1.39E-06	1.84E-06	6.08E-06	4.19E-07
874	470609.32	3818796	2.11E-05	8.87E-05	7.99E-06	1.76E-05	6.52E-05	5.74E-06	2.00E-06	1.14E-05	1.36E-06	1.81E-06	5.98E-06	4.12E-07
875	470617.97	3818799.71	2.08E-05	8.74E-05	7.87E-06	1.73E-05	6.42E-05	5.65E-06	1.96E-06	1.12E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
876	470626.62	3818803.43	2.05E-05	8.61E-05	7.75E-06	1.71E-05	6.33E-05	5.56E-06	1.94E-06	1.11E-05	1.32E-06	1.76E-06	5.80E-06	4.00E-07
877	470635.27	3818807.14	2.02E-05	8.49E-05	7.64E-06	1.68E-05	6.24E-05	5.49E-06	1.91E-06	1.09E-05	1.30E-06	1.73E-06	5.72E-06	3.94E-07
878	470643.92	3818810.85	1.99E-05	8.37E-05	7.54E-06	1.66E-05	6.15E-05	5.41E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.64E-06	3.89E-07

879	470652.57	3818814.56	1.97E-05	8.27E-05	7.45E-06	1.64E-05	6.08E-05	5.35E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.57E-06	3.84E-07
880	470661.22	3818818.28	1.95E-05	8.18E-05	7.36E-06	1.62E-05	6.01E-05	5.28E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.51E-06	3.80E-07
881	470669.87	3818821.99	1.93E-05	8.09E-05	7.28E-06	1.60E-05	5.94E-05	5.23E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.45E-06	3.76E-07
882	470678.52	3818825.7	1.91E-05	8.01E-05	7.21E-06	1.59E-05	5.88E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
883	470687.17	3818829.41	1.89E-05	7.94E-05	7.15E-06	1.57E-05	5.83E-05	5.13E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.35E-06	3.69E-07
884	470699.33	3818841.86	1.91E-05	8.01E-05	7.21E-06	1.59E-05	5.88E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
885	470702.85	3818850.59	1.94E-05	8.16E-05	7.34E-06	1.62E-05	5.99E-05	5.27E-06	1.83E-06	1.05E-05	1.25E-06	1.67E-06	5.50E-06	3.79E-07
886	470706.37	3818859.32	1.98E-05	8.32E-05	7.49E-06	1.65E-05	6.11E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.60E-06	3.86E-07
887	470720.43	3818894.25	2.16E-05	9.07E-05	8.17E-06	1.80E-05	6.67E-05	5.86E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.11E-06	4.21E-07
888	470723.94	3818902.99	2.21E-05	9.29E-05	8.37E-06	1.84E-05	6.83E-05	6.01E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.26E-06	4.32E-07
889	470727.46	3818911.72	2.27E-05	9.53E-05	8.58E-06	1.89E-05	7.00E-05	6.16E-06	2.14E-06	1.23E-05	1.46E-06	1.95E-06	6.42E-06	4.43E-07
890	470730.97	3818920.45	2.33E-05	9.78E-05	8.81E-06	1.94E-05	7.19E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.54E-07
891	470734.49	3818929.18	2.39E-05	1.00E-04	9.05E-06	1.99E-05	7.38E-05	6.49E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.77E-06	4.67E-07
892	470738	3818937.91	2.46E-05	1.03E-04	9.30E-06	2.05E-05	7.59E-05	6.68E-06	2.32E-06	1.33E-05	1.59E-06	2.11E-06	6.96E-06	4.80E-07
893	470741.52	3818946.65	2.53E-05	1.06E-04	9.57E-06	2.11E-05	7.81E-05	6.87E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.16E-06	4.94E-07
894	470745.04	3818955.38	2.61E-05	1.09E-04	9.85E-06	2.17E-05	8.04E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.37E-06	5.08E-07
895	470748.55	3818964.11	2.68E-05	1.13E-04	1.02E-05	2.24E-05	8.28E-05	7.29E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.60E-06	5.24E-07
896	470752.07	3818972.84	2.77E-05	1.16E-04	1.05E-05	2.30E-05	8.54E-05	7.51E-06	2.61E-06	1.50E-05	1.78E-06	2.37E-06	7.83E-06	5.40E-07
897	470755.58	3818981.58	2.85E-05	1.20E-04	1.08E-05	2.38E-05	8.80E-05	7.74E-06	2.69E-06	1.54E-05	1.84E-06	2.45E-06	8.08E-06	5.57E-07
898	470759.1	3818990.31	2.94E-05	1.24E-04	1.11E-05	2.45E-05	9.08E-05	7.99E-06	2.78E-06	1.59E-05	1.90E-06	2.53E-06	8.33E-06	5.74E-07
899	470762.61	3818999.04	3.04E-05	1.28E-04	1.15E-05	2.53E-05	9.38E-05	8.25E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.60E-06	5.93E-07
900	470766.13	3819007.77	3.14E-05	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.52E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
901	470769.64	3819016.5	3.24E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.17E-06	6.32E-07
902	470773.16	3819025.24	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.08E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.47E-06	6.53E-07
903	470776.68	3819033.97	3.46E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.38E-06	3.26E-06	1.87E-05	2.23E-06	2.97E-06	9.78E-06	6.74E-07
904	470780.19	3819042.7	3.57E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.69E-06	3.37E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.96E-07
905	470783.71	3819051.43	3.68E-05	1.55E-04	1.39E-05	3.07E-05	1.14E-04	1.00E-05	3.48E-06	1.99E-05	2.38E-06	3.16E-06	1.04E-05	7.19E-07
906	470787.22	3819060.17	3.81E-05	1.60E-04	1.44E-05	3.17E-05	1.17E-04	1.03E-05	3.59E-06	2.06E-05	2.45E-06	3.27E-06	1.08E-05	7.43E-07
907	470790.74	3819068.9	3.93E-05	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.66E-07
908	470794.25	3819077.63	4.05E-05	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.61E-06	3.48E-06	1.15E-05	7.91E-07
909	470797.77	3819086.36	4.18E-05	1.76E-04	1.58E-05	3.48E-05	1.29E-04	1.13E-05	3.95E-06	2.26E-05	2.70E-06	3.59E-06	1.18E-05	8.16E-07
910	470801.28	3819095.09	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.41E-07
911	470804.8	3819103.83	4.44E-05	1.86E-04	1.68E-05	3.70E-05	1.37E-04	1.20E-05	4.19E-06	2.40E-05	2.86E-06	3.81E-06	1.26E-05	8.66E-07
912	470808.32	3819112.56	4.57E-05	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.32E-06	2.47E-05	2.95E-06	3.92E-06	1.29E-05	8.92E-07
913	470811.83	3819121.29	4.70E-05	1.97E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.44E-06	2.54E-05	3.03E-06	4.04E-06	1.33E-05	9.17E-07
914	470815.35	3819130.02	4.83E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.56E-06	2.61E-05	3.12E-06	4.15E-06	1.37E-05	9.43E-07
915	470818.86	3819138.76	4.97E-05	2.09E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.69E-06	2.68E-05	3.20E-06	4.26E-06	1.41E-05	9.69E-07
916	470822.38	3819147.49	5.10E-05	2.14E-04	1.93E-05	4.25E-05	1.57E-04	1.38E-05	4.81E-06	2.76E-05	3.29E-06	4.38E-06	1.44E-05	9.95E-07
917	470825.89	3819156.22	5.23E-05	2.20E-04	1.98E-05	4.35E-05	1.61E-04	1.42E-05	4.94E-06	2.83E-05	3.37E-06	4.49E-06	1.48E-05	1.02E-06
918	470829.41	3819164.95	5.35E-05	2.25E-04	2.02E-05	4.46E-05	1.65E-04	1.45E-05	5.06E-06	2.89E-05	3.45E-06	4.60E-06	1.52E-05	1.04E-06
919	470832.92	3819173.69	5.48E-05	2.30E-04	2.07E-05	4.56E-05	1.69E-04	1.49E-05	5.17E-06	2.96E-05	3.53E-06	4.70E-06	1.55E-05	1.07E-06
920	470836.44	3819182.42	5.60E-05	2.35E-04	2.12E-05	4.66E-05	1.73E-04	1.52E-05	5.28E-06	3.03E-05	3.61E-06	4.80E-06	1.58E-05	1.09E-06

921	470839.96	3819191.15	5.71E-05	2.40E-04	2.16E-05	4.76E-05	1.76E-04	1.55E-05	5.39E-06	3.09E-05	3.68E-06	4.90E-06	1.62E-05	1.11E-06
922	470843.47	3819199.88	5.82E-05	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
923	470846.99	3819208.61	5.93E-05	2.49E-04	2.24E-05	4.94E-05	1.83E-04	1.61E-05	5.60E-06	3.21E-05	3.83E-06	5.09E-06	1.68E-05	1.16E-06
924	470850.5	3819217.35	6.03E-05	2.53E-04	2.28E-05	5.03E-05	1.86E-04	1.64E-05	5.70E-06	3.26E-05	3.89E-06	5.18E-06	1.71E-05	1.18E-06
925	470260.57	3818658.22	3.93E-05	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.67E-07
926	470251.01	3818658.09	3.99E-05	1.68E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.77E-06	2.16E-05	2.57E-06	3.42E-06	1.13E-05	7.78E-07
927	470241.45	3818657.95	4.04E-05	1.70E-04	1.53E-05	3.37E-05	1.25E-04	1.10E-05	3.82E-06	2.19E-05	2.61E-06	3.47E-06	1.14E-05	7.89E-07
928	470231.88	3818657.82	4.10E-05	1.72E-04	1.55E-05	3.41E-05	1.26E-04	1.11E-05	3.87E-06	2.21E-05	2.64E-06	3.52E-06	1.16E-05	7.99E-07
929	470222.32	3818657.68	4.15E-05	1.74E-04	1.57E-05	3.45E-05	1.28E-04	1.13E-05	3.91E-06	2.24E-05	2.67E-06	3.56E-06	1.17E-05	8.09E-07
930	470212.76	3818657.55	4.19E-05	1.76E-04	1.59E-05	3.49E-05	1.29E-04	1.14E-05	3.96E-06	2.27E-05	2.70E-06	3.60E-06	1.19E-05	8.18E-07
931	470203.2	3818657.41	4.23E-05	1.78E-04	1.60E-05	3.52E-05	1.31E-04	1.15E-05	3.99E-06	2.29E-05	2.73E-06	3.63E-06	1.20E-05	8.25E-07
932	470193.64	3818657.28	4.26E-05	1.79E-04	1.61E-05	3.55E-05	1.31E-04	1.16E-05	4.02E-06	2.30E-05	2.75E-06	3.66E-06	1.21E-05	8.31E-07
933	470184.07	3818657.14	4.28E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.04E-06	2.31E-05	2.76E-06	3.68E-06	1.21E-05	8.36E-07
934	470174.51	3818657.01	4.30E-05	1.80E-04	1.62E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.38E-07
935	470164.95	3818656.87	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.40E-07
936	470155.39	3818656.74	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.42E-07
937	470145.82	3818656.6	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.41E-07
938	470136.26	3818656.47	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.40E-07
939	470126.7	3818656.33	4.29E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.77E-06	3.68E-06	1.21E-05	8.37E-07
940	470117.14	3818656.2	4.27E-05	1.79E-04	1.62E-05	3.56E-05	1.32E-04	1.16E-05	4.03E-06	2.31E-05	2.75E-06	3.67E-06	1.21E-05	8.33E-07
941	470489.74	3818704.44	2.46E-05	1.03E-04	9.29E-06	2.05E-05	7.58E-05	6.67E-06	2.32E-06	1.33E-05	1.59E-06	2.11E-06	6.96E-06	4.80E-07
942	470498.43	3818708.17	2.42E-05	1.01E-04	9.14E-06	2.01E-05	7.46E-05	6.56E-06	2.28E-06	1.31E-05	1.56E-06	2.07E-06	6.84E-06	4.71E-07
943	470507.12	3818711.9	2.38E-05	9.99E-05	8.99E-06	1.98E-05	7.34E-05	6.46E-06	2.25E-06	1.29E-05	1.53E-06	2.04E-06	6.73E-06	4.64E-07
944	470515.81	3818715.63	2.34E-05	9.84E-05	8.86E-06	1.95E-05	7.23E-05	6.36E-06	2.21E-06	1.27E-05	1.51E-06	2.01E-06	6.63E-06	4.57E-07
945	470524.51	3818719.36	2.30E-05	9.66E-05	8.70E-06	1.92E-05	7.10E-05	6.25E-06	2.17E-06	1.24E-05	1.48E-06	1.98E-06	6.51E-06	4.49E-07
946	470533.2	3818723.09	2.26E-05	9.49E-05	8.55E-06	1.88E-05	6.97E-05	6.14E-06	2.13E-06	1.22E-05	1.46E-06	1.94E-06	6.40E-06	4.41E-07
947	470541.89	3818726.82	2.22E-05	9.32E-05	8.40E-06	1.85E-05	6.85E-05	6.03E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.28E-06	4.33E-07
948	470550.58	3818730.55	2.18E-05	9.16E-05	8.25E-06	1.82E-05	6.73E-05	5.92E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.17E-06	4.25E-07
949	470567.97	3818738.01	2.10E-05	8.83E-05	7.95E-06	1.75E-05	6.49E-05	5.71E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.95E-06	4.10E-07
950	470576.66	3818741.74	2.07E-05	8.68E-05	7.81E-06	1.72E-05	6.38E-05	5.61E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.85E-06	4.03E-07
951	470585.35	3818745.47	2.03E-05	8.53E-05	7.68E-06	1.69E-05	6.26E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.75E-06	3.96E-07
952	470594.04	3818749.21	1.99E-05	8.38E-05	7.54E-06	1.66E-05	6.16E-05	5.42E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.65E-06	3.89E-07
953	470602.73	3818752.94	1.96E-05	8.24E-05	7.42E-06	1.63E-05	6.05E-05	5.33E-06	1.85E-06	1.06E-05	1.27E-06	1.68E-06	5.55E-06	3.83E-07
954	470611.43	3818756.67	1.93E-05	8.11E-05	7.30E-06	1.61E-05	5.96E-05	5.24E-06	1.82E-06	1.04E-05	1.24E-06	1.66E-06	5.46E-06	3.77E-07
955	470620.12	3818760.4	1.90E-05	7.97E-05	7.18E-06	1.58E-05	5.86E-05	5.15E-06	1.79E-06	1.03E-05	1.22E-06	1.63E-06	5.37E-06	3.70E-07
956	470628.81	3818764.13	1.87E-05	7.85E-05	7.07E-06	1.56E-05	5.77E-05	5.07E-06	1.76E-06	1.01E-05	1.21E-06	1.60E-06	5.29E-06	3.65E-07
957	470637.5	3818767.86	1.84E-05	7.73E-05	6.96E-06	1.53E-05	5.68E-05	5.00E-06	1.74E-06	9.95E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
958	470646.19	3818771.59	1.81E-05	7.61E-05	6.86E-06	1.51E-05	5.59E-05	4.92E-06	1.71E-06	9.80E-06	1.17E-06	1.56E-06	5.13E-06	3.54E-07
959	470654.89	3818775.32	1.79E-05	7.51E-05	6.76E-06	1.49E-05	5.52E-05	4.85E-06	1.69E-06	9.67E-06	1.15E-06	1.54E-06	5.06E-06	3.49E-07
960	470795.07	3818980.65	2.67E-05	1.12E-04	1.01E-05	2.23E-05	8.25E-05	7.26E-06	2.52E-06	1.45E-05	1.72E-06	2.29E-06	7.57E-06	5.22E-07
961	470798.6	3818989.43	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.51E-05	7.48E-06	2.60E-06	1.49E-05	1.78E-06	2.37E-06	7.80E-06	5.38E-07
962	470802.14	3818998.2	2.84E-05	1.19E-04	1.08E-05	2.37E-05	8.77E-05	7.72E-06	2.69E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07

963	470805.67	3819006.98	2.93E-05	1.23E-04	1.11E-05	2.44E-05	9.05E-05	7.96E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.30E-06	5.72E-07
964	470809.2	3819015.75	3.03E-05	1.27E-04	1.14E-05	2.52E-05	9.34E-05	8.21E-06	2.86E-06	1.64E-05	1.95E-06	2.60E-06	8.56E-06	5.90E-07
965	470812.73	3819024.53	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.63E-05	8.47E-06	2.95E-06	1.69E-05	2.01E-06	2.68E-06	8.83E-06	6.09E-07
966	470816.27	3819033.3	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.93E-05	8.74E-06	3.04E-06	1.74E-05	2.08E-06	2.76E-06	9.11E-06	6.28E-07
967	470819.8	3819042.07	3.32E-05	1.39E-04	1.26E-05	2.76E-05	1.02E-04	9.01E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
968	470823.33	3819050.85	3.42E-05	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.29E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.69E-06	6.68E-07
969	470826.86	3819059.62	3.53E-05	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.58E-06	3.33E-06	1.91E-05	2.28E-06	3.03E-06	9.99E-06	6.89E-07
970	470830.4	3819068.4	3.64E-05	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.87E-06	3.43E-06	1.97E-05	2.35E-06	3.12E-06	1.03E-05	7.10E-07
971	470833.93	3819077.17	3.75E-05	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.31E-07
972	470837.46	3819085.95	3.86E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
973	470840.99	3819094.72	3.97E-05	1.67E-04	1.50E-05	3.31E-05	1.22E-04	1.08E-05	3.75E-06	2.15E-05	2.56E-06	3.41E-06	1.12E-05	7.74E-07
974	470844.53	3819103.5	4.08E-05	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.21E-05	2.63E-06	3.50E-06	1.16E-05	7.96E-07
975	470848.06	3819112.27	4.19E-05	1.76E-04	1.59E-05	3.49E-05	1.29E-04	1.14E-05	3.96E-06	2.27E-05	2.71E-06	3.60E-06	1.19E-05	8.19E-07
976	470851.59	3819121.04	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.41E-07
977	470855.12	3819129.82	4.42E-05	1.86E-04	1.67E-05	3.68E-05	1.36E-04	1.20E-05	4.18E-06	2.39E-05	2.85E-06	3.80E-06	1.25E-05	8.63E-07
978	470858.66	3819138.59	4.53E-05	1.90E-04	1.72E-05	3.78E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.93E-06	3.89E-06	1.28E-05	8.85E-07
979	470862.19	3819147.37	4.65E-05	1.95E-04	1.76E-05	3.87E-05	1.43E-04	1.26E-05	4.39E-06	2.51E-05	3.00E-06	3.99E-06	1.32E-05	9.07E-07
980	470865.72	3819156.14	4.76E-05	2.00E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.49E-06	2.57E-05	3.07E-06	4.08E-06	1.35E-05	9.28E-07
981	470869.25	3819164.92	4.86E-05	2.04E-04	1.84E-05	4.05E-05	1.50E-04	1.32E-05	4.59E-06	2.63E-05	3.14E-06	4.17E-06	1.38E-05	9.49E-07
982	470872.79	3819173.69	4.97E-05	2.09E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.69E-06	2.68E-05	3.20E-06	4.26E-06	1.41E-05	9.69E-07
983	470876.32	3819182.47	5.07E-05	2.13E-04	1.92E-05	4.22E-05	1.56E-04	1.38E-05	4.78E-06	2.74E-05	3.27E-06	4.35E-06	1.43E-05	9.88E-07
984	470879.85	3819191.24	5.16E-05	2.17E-04	1.95E-05	4.30E-05	1.59E-04	1.40E-05	4.88E-06	2.79E-05	3.33E-06	4.43E-06	1.46E-05	1.01E-06
985	470883.38	3819200.01	5.26E-05	2.21E-04	1.99E-05	4.38E-05	1.62E-04	1.43E-05	4.96E-06	2.84E-05	3.39E-06	4.51E-06	1.49E-05	1.03E-06
986	470886.92	3819208.79	5.35E-05	2.25E-04	2.02E-05	4.45E-05	1.65E-04	1.45E-05	5.05E-06	2.89E-05	3.45E-06	4.59E-06	1.51E-05	1.04E-06
987	470890.45	3819217.56	5.43E-05	2.28E-04	2.05E-05	4.52E-05	1.68E-04	1.47E-05	5.13E-06	2.94E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
988	470213.32	3818617.55	3.72E-05	1.56E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.25E-07
989	470203.76	3818617.42	3.75E-05	1.58E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.32E-07
990	470194.2	3818617.28	3.78E-05	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.57E-06	2.04E-05	2.44E-06	3.24E-06	1.07E-05	7.37E-07
991	470184.64	3818617.15	3.80E-05	1.59E-04	1.44E-05	3.16E-05	1.17E-04	1.03E-05	3.59E-06	2.05E-05	2.45E-06	3.26E-06	1.07E-05	7.41E-07
992	470175.08	3818617.01	3.81E-05	1.60E-04	1.44E-05	3.17E-05	1.18E-04	1.03E-05	3.60E-06	2.06E-05	2.46E-06	3.27E-06	1.08E-05	7.43E-07
993	470165.51	3818616.88	3.82E-05	1.60E-04	1.44E-05	3.18E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.46E-06	3.28E-06	1.08E-05	7.45E-07
994	470155.95	3818616.74	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.47E-06	3.29E-06	1.08E-05	7.47E-07
995	470146.39	3818616.61	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.47E-06	3.29E-06	1.08E-05	7.47E-07
996	470136.83	3818616.47	3.82E-05	1.61E-04	1.45E-05	3.18E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.47E-06	3.28E-06	1.08E-05	7.46E-07
997	470127.26	3818616.34	3.81E-05	1.60E-04	1.44E-05	3.18E-05	1.18E-04	1.04E-05	3.60E-06	2.06E-05	2.46E-06	3.27E-06	1.08E-05	7.44E-07
998	470117.7	3818616.2	3.80E-05	1.60E-04	1.44E-05	3.16E-05	1.17E-04	1.03E-05	3.59E-06	2.05E-05	2.45E-06	3.26E-06	1.08E-05	7.41E-07
999	470491.15	3818664.81	2.24E-05	9.41E-05	8.47E-06	1.87E-05	6.91E-05	6.08E-06	2.12E-06	1.21E-05	1.45E-06	1.92E-06	6.34E-06	4.37E-07
1000	470499.88	3818668.55	2.20E-05	9.26E-05	8.34E-06	1.84E-05	6.80E-05	5.98E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.24E-06	4.30E-07
1001	470508.61	3818672.3	2.17E-05	9.12E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.15E-06	4.24E-07
1002	470517.34	3818676.05	2.14E-05	8.98E-05	8.09E-06	1.78E-05	6.60E-05	5.81E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.06E-06	4.17E-07
1003	470526.07	3818679.79	2.11E-05	8.84E-05	7.96E-06	1.75E-05	6.50E-05	5.72E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.96E-06	4.11E-07
1004	470534.8	3818683.54	2.07E-05	8.69E-05	7.83E-06	1.72E-05	6.39E-05	5.62E-06	1.95E-06	1.12E-05	1.34E-06	1.78E-06	5.86E-06	4.04E-07

1005	470543.53	3818687.29	2.04E-05	8.55E-05	7.70E-06	1.70E-05	6.28E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.76E-06	3.97E-07
1006	470552.26	3818691.03	2.00E-05	8.40E-05	7.56E-06	1.67E-05	6.17E-05	5.43E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.66E-06	3.90E-07
1007	470560.99	3818694.78	1.97E-05	8.26E-05	7.44E-06	1.64E-05	6.07E-05	5.34E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.57E-06	3.84E-07
1008	470595.9	3818709.77	1.84E-05	7.71E-05	6.94E-06	1.53E-05	5.66E-05	4.98E-06	1.73E-06	9.92E-06	1.18E-06	1.58E-06	5.19E-06	3.58E-07
1009	470604.63	3818713.51	1.80E-05	7.58E-05	6.82E-06	1.50E-05	5.57E-05	4.90E-06	1.70E-06	9.75E-06	1.16E-06	1.55E-06	5.11E-06	3.52E-07
1010	470700.65	3818754.72	1.53E-05	6.44E-05	5.80E-06	1.28E-05	4.73E-05	4.16E-06	1.45E-06	8.29E-06	9.89E-07	1.32E-06	4.34E-06	2.99E-07
1011	470709.38	3818758.47	1.52E-05	6.37E-05	5.73E-06	1.26E-05	4.68E-05	4.12E-06	1.43E-06	8.20E-06	9.78E-07	1.30E-06	4.29E-06	2.96E-07
1012	470718.11	3818762.22	1.50E-05	6.30E-05	5.67E-06	1.25E-05	4.63E-05	4.07E-06	1.42E-06	8.11E-06	9.68E-07	1.29E-06	4.25E-06	2.93E-07
1013	470726.84	3818765.96	1.49E-05	6.24E-05	5.62E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.03E-06	9.58E-07	1.28E-06	4.20E-06	2.90E-07
1014	470735.57	3818769.71	1.47E-05	6.18E-05	5.57E-06	1.23E-05	4.54E-05	4.00E-06	1.39E-06	7.96E-06	9.49E-07	1.26E-06	4.17E-06	2.87E-07
1015	470744.3	3818773.46	1.46E-05	6.13E-05	5.52E-06	1.22E-05	4.51E-05	3.96E-06	1.38E-06	7.89E-06	9.42E-07	1.25E-06	4.13E-06	2.85E-07
1016	470756.57	3818786.02	1.47E-05	6.18E-05	5.57E-06	1.23E-05	4.54E-05	4.00E-06	1.39E-06	7.96E-06	9.49E-07	1.26E-06	4.17E-06	2.87E-07
1017	470760.12	3818794.83	1.50E-05	6.28E-05	5.66E-06	1.25E-05	4.62E-05	4.06E-06	1.41E-06	8.09E-06	9.65E-07	1.28E-06	4.23E-06	2.92E-07
1018	470763.67	3818803.64	1.52E-05	6.39E-05	5.76E-06	1.27E-05	4.70E-05	4.13E-06	1.44E-06	8.23E-06	9.82E-07	1.31E-06	4.31E-06	2.97E-07
1019	470767.22	3818812.45	1.55E-05	6.51E-05	5.86E-06	1.29E-05	4.78E-05	4.21E-06	1.46E-06	8.38E-06	9.99E-07	1.33E-06	4.39E-06	3.02E-07
1020	470770.76	3818821.26	1.58E-05	6.63E-05	5.97E-06	1.32E-05	4.87E-05	4.29E-06	1.49E-06	8.54E-06	1.02E-06	1.36E-06	4.47E-06	3.08E-07
1021	470774.31	3818830.08	1.61E-05	6.77E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.71E-06	1.04E-06	1.38E-06	4.56E-06	3.14E-07
1022	470777.86	3818838.89	1.64E-05	6.91E-05	6.22E-06	1.37E-05	5.08E-05	4.46E-06	1.55E-06	8.89E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
1023	470781.41	3818847.7	1.68E-05	7.06E-05	6.36E-06	1.40E-05	5.19E-05	4.56E-06	1.59E-06	9.09E-06	1.08E-06	1.44E-06	4.76E-06	3.28E-07
1024	470784.95	3818856.51	1.72E-05	7.22E-05	6.50E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.29E-06	1.11E-06	1.48E-06	4.87E-06	3.35E-07
1025	470788.5	3818865.32	1.76E-05	7.39E-05	6.66E-06	1.47E-05	5.43E-05	4.78E-06	1.66E-06	9.52E-06	1.14E-06	1.51E-06	4.98E-06	3.43E-07
1026	470792.05	3818874.13	1.80E-05	7.57E-05	6.82E-06	1.50E-05	5.56E-05	4.89E-06	1.70E-06	9.75E-06	1.16E-06	1.55E-06	5.10E-06	3.52E-07
1027	470795.6	3818882.95	1.85E-05	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.02E-06	1.74E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.61E-07
1028	470799.14	3818891.76	1.90E-05	7.96E-05	7.17E-06	1.58E-05	5.85E-05	5.15E-06	1.79E-06	1.02E-05	1.22E-06	1.63E-06	5.37E-06	3.70E-07
1029	470866.55	3819059.18	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.90E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.40E-07
1030	470870.09	3819067.99	3.38E-05	1.42E-04	1.28E-05	2.81E-05	1.04E-04	9.16E-06	3.19E-06	1.82E-05	2.18E-06	2.90E-06	9.56E-06	6.59E-07
1031	470873.64	3819076.8	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.42E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.77E-07
1032	470877.19	3819085.62	3.57E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.69E-06	3.37E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.96E-07
1033	470880.74	3819094.43	3.67E-05	1.54E-04	1.39E-05	3.05E-05	1.13E-04	9.95E-06	3.46E-06	1.98E-05	2.36E-06	3.15E-06	1.04E-05	7.15E-07
1034	470884.28	3819103.24	3.76E-05	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.43E-06	3.23E-06	1.06E-05	7.34E-07
1035	470887.83	3819112.05	3.86E-05	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
1036	470891.38	3819120.86	3.96E-05	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.07E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.73E-07
1037	470894.93	3819129.68	4.06E-05	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.92E-07
1038	470898.48	3819138.49	4.15E-05	1.74E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.92E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.11E-07
1039	470902.02	3819147.3	4.25E-05	1.78E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.01E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.29E-07
1040	470905.57	3819156.11	4.34E-05	1.82E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.47E-07
1041	470909.12	3819164.92	4.43E-05	1.86E-04	1.68E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.40E-05	2.86E-06	3.80E-06	1.25E-05	8.65E-07
1042	470912.67	3819173.73	4.52E-05	1.90E-04	1.71E-05	3.76E-05	1.39E-04	1.23E-05	4.27E-06	2.44E-05	2.91E-06	3.88E-06	1.28E-05	8.82E-07
1043	470916.21	3819182.55	4.60E-05	1.93E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.95E-06	1.30E-05	8.98E-07
1044	470919.76	3819191.36	4.69E-05	1.97E-04	1.77E-05	3.90E-05	1.45E-04	1.27E-05	4.43E-06	2.53E-05	3.02E-06	4.02E-06	1.33E-05	9.15E-07
1045	470923.31	3819200.17	4.77E-05	2.00E-04	1.80E-05	3.97E-05	1.47E-04	1.29E-05	4.50E-06	2.58E-05	3.07E-06	4.09E-06	1.35E-05	9.30E-07
1046	470926.86	3819208.98	4.84E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.57E-06	2.62E-05	3.12E-06	4.16E-06	1.37E-05	9.45E-07

1047	470930.4	3819217.79	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.59E-07
1048	470175.64	3818577.02	3.40E-05	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.24E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.63E-06	6.64E-07
1049	470166.08	3818576.88	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.26E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.66E-06	6.66E-07
1050	470156.52	3818576.75	3.42E-05	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.28E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.68E-06	6.67E-07
1051	470146.95	3818576.61	3.42E-05	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.29E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.68E-06	6.67E-07
1052	470137.39	3818576.48	3.48E-05	1.46E-04	1.32E-05	2.90E-05	1.07E-04	9.45E-06	3.29E-06	1.88E-05	2.25E-06	2.99E-06	9.86E-06	6.80E-07
1053	470127.83	3818576.34	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.42E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.77E-07
1054	470118.27	3818576.21	3.45E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.38E-06	3.26E-06	1.87E-05	2.23E-06	2.97E-06	9.78E-06	6.74E-07
1055	470501.24	3818628.9	2.02E-05	8.47E-05	7.63E-06	1.68E-05	6.23E-05	5.48E-06	1.91E-06	1.09E-05	1.30E-06	1.73E-06	5.71E-06	3.94E-07
1056	470510	3818632.66	1.99E-05	8.35E-05	7.52E-06	1.66E-05	6.13E-05	5.39E-06	1.88E-06	1.07E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
1057	470518.77	3818636.42	1.96E-05	8.22E-05	7.40E-06	1.63E-05	6.04E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.54E-06	3.82E-07
1058	470527.53	3818640.18	1.93E-05	8.09E-05	7.28E-06	1.60E-05	5.94E-05	5.23E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.45E-06	3.76E-07
1059	470536.29	3818643.94	1.90E-05	7.97E-05	7.17E-06	1.58E-05	5.85E-05	5.15E-06	1.79E-06	1.03E-05	1.22E-06	1.63E-06	5.37E-06	3.70E-07
1060	470545.05	3818647.7	1.87E-05	7.85E-05	7.07E-06	1.56E-05	5.77E-05	5.08E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.29E-06	3.65E-07
1061	470553.81	3818651.46	1.84E-05	7.73E-05	6.96E-06	1.53E-05	5.68E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
1062	470562.58	3818655.22	1.81E-05	7.61E-05	6.85E-06	1.51E-05	5.59E-05	4.92E-06	1.71E-06	9.79E-06	1.17E-06	1.56E-06	5.13E-06	3.54E-07
1063	470571.34	3818658.98	1.78E-05	7.48E-05	6.74E-06	1.48E-05	5.50E-05	4.84E-06	1.68E-06	9.63E-06	1.15E-06	1.53E-06	5.04E-06	3.48E-07
1064	470580.1	3818662.75	1.75E-05	7.36E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.65E-06	9.47E-06	1.13E-06	1.50E-06	4.96E-06	3.42E-07
1065	470667.72	3818700.35	1.49E-05	6.26E-05	5.64E-06	1.24E-05	4.60E-05	4.05E-06	1.41E-06	8.06E-06	9.61E-07	1.28E-06	4.22E-06	2.91E-07
1066	470676.48	3818704.11	1.47E-05	6.17E-05	5.55E-06	1.22E-05	4.53E-05	3.99E-06	1.39E-06	7.94E-06	9.47E-07	1.26E-06	4.16E-06	2.86E-07
1067	470685.25	3818707.87	1.45E-05	6.08E-05	5.47E-06	1.21E-05	4.47E-05	3.93E-06	1.37E-06	7.82E-06	9.33E-07	1.24E-06	4.10E-06	2.82E-07
1068	470694.01	3818711.64	1.43E-05	5.99E-05	5.40E-06	1.19E-05	4.40E-05	3.87E-06	1.35E-06	7.72E-06	9.21E-07	1.23E-06	4.04E-06	2.79E-07
1069	470702.77	3818715.4	1.41E-05	5.91E-05	5.33E-06	1.17E-05	4.35E-05	3.82E-06	1.33E-06	7.61E-06	9.08E-07	1.21E-06	3.99E-06	2.75E-07
1070	470711.53	3818719.16	1.39E-05	5.84E-05	5.26E-06	1.16E-05	4.29E-05	3.77E-06	1.31E-06	7.52E-06	8.97E-07	1.19E-06	3.94E-06	2.71E-07
1071	470720.29	3818722.92	1.37E-05	5.77E-05	5.19E-06	1.14E-05	4.24E-05	3.73E-06	1.30E-06	7.42E-06	8.86E-07	1.18E-06	3.89E-06	2.68E-07
1072	470729.06	3818726.68	1.36E-05	5.70E-05	5.14E-06	1.13E-05	4.19E-05	3.69E-06	1.28E-06	7.34E-06	8.76E-07	1.17E-06	3.84E-06	2.65E-07
1073	470737.82	3818730.44	1.34E-05	5.64E-05	5.08E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.26E-06	8.67E-07	1.15E-06	3.80E-06	2.62E-07
1074	470746.58	3818734.2	1.33E-05	5.59E-05	5.03E-06	1.11E-05	4.10E-05	3.61E-06	1.26E-06	7.19E-06	8.58E-07	1.14E-06	3.77E-06	2.60E-07
1075	470755.34	3818737.96	1.32E-05	5.54E-05	4.98E-06	1.10E-05	4.07E-05	3.58E-06	1.24E-06	7.13E-06	8.50E-07	1.13E-06	3.73E-06	2.57E-07
1076	470764.1	3818741.72	1.31E-05	5.49E-05	4.94E-06	1.09E-05	4.03E-05	3.55E-06	1.23E-06	7.07E-06	8.43E-07	1.12E-06	3.70E-06	2.55E-07
1077	470772.87	3818745.48	1.30E-05	5.44E-05	4.90E-06	1.08E-05	4.00E-05	3.52E-06	1.22E-06	7.01E-06	8.36E-07	1.11E-06	3.67E-06	2.53E-07
1078	470785.19	3818758.09	1.31E-05	5.49E-05	4.94E-06	1.09E-05	4.03E-05	3.55E-06	1.23E-06	7.06E-06	8.43E-07	1.12E-06	3.70E-06	2.55E-07
1079	470788.75	3818766.93	1.33E-05	5.57E-05	5.02E-06	1.11E-05	4.09E-05	3.60E-06	1.25E-06	7.17E-06	8.56E-07	1.14E-06	3.76E-06	2.59E-07
1080	470792.31	3818775.78	1.35E-05	5.66E-05	5.10E-06	1.12E-05	4.16E-05	3.66E-06	1.27E-06	7.29E-06	8.70E-07	1.16E-06	3.82E-06	2.63E-07
1081	470795.87	3818784.62	1.37E-05	5.76E-05	5.19E-06	1.14E-05	4.23E-05	3.72E-06	1.30E-06	7.42E-06	8.85E-07	1.18E-06	3.88E-06	2.68E-07
1082	470799.43	3818793.47	1.40E-05	5.87E-05	5.28E-06	1.16E-05	4.31E-05	3.79E-06	1.32E-06	7.55E-06	9.01E-07	1.20E-06	3.95E-06	2.73E-07
1083	470802.99	3818802.31	1.42E-05	5.98E-05	5.38E-06	1.19E-05	4.39E-05	3.86E-06	1.34E-06	7.70E-06	9.18E-07	1.22E-06	4.03E-06	2.78E-07
1084	470806.56	3818811.16	1.45E-05	6.10E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.85E-06	9.36E-07	1.25E-06	4.11E-06	2.83E-07
1085	470810.12	3818820	1.48E-05	6.22E-05	5.60E-06	1.23E-05	4.57E-05	4.02E-06	1.40E-06	8.01E-06	9.56E-07	1.27E-06	4.19E-06	2.89E-07
1086	470813.68	3818828.85	1.51E-05	6.36E-05	5.72E-06	1.26E-05	4.67E-05	4.11E-06	1.43E-06	8.18E-06	9.76E-07	1.30E-06	4.28E-06	2.95E-07
1087	470817.24	3818837.69	1.55E-05	6.50E-05	5.85E-06	1.29E-05	4.77E-05	4.20E-06	1.46E-06	8.36E-06	9.98E-07	1.33E-06	4.38E-06	3.02E-07
1088	470820.8	3818846.54	1.58E-05	6.65E-05	5.99E-06	1.32E-05	4.88E-05	4.30E-06	1.49E-06	8.56E-06	1.02E-06	1.36E-06	4.48E-06	3.09E-07

1089	470824.36	3818855.38	1.62E-05	6.80E-05	6.13E-06	1.35E-05	5.00E-05	4.40E-06	1.53E-06	8.76E-06	1.05E-06	1.39E-06	4.59E-06	3.16E-07
1090	470827.92	3818864.23	1.66E-05	6.97E-05	6.28E-06	1.38E-05	5.12E-05	4.51E-06	1.57E-06	8.97E-06	1.07E-06	1.42E-06	4.70E-06	3.24E-07
1091	470831.48	3818873.08	1.70E-05	7.15E-05	6.43E-06	1.42E-05	5.25E-05	4.62E-06	1.61E-06	9.20E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
1092	470835.04	3818881.92	1.75E-05	7.33E-05	6.60E-06	1.45E-05	5.39E-05	4.74E-06	1.65E-06	9.43E-06	1.13E-06	1.50E-06	4.94E-06	3.41E-07
1093	470838.6	3818890.77	1.79E-05	7.52E-05	6.78E-06	1.49E-05	5.53E-05	4.86E-06	1.69E-06	9.68E-06	1.16E-06	1.54E-06	5.07E-06	3.50E-07
1094	470842.17	3818899.61	1.84E-05	7.72E-05	6.96E-06	1.53E-05	5.68E-05	4.99E-06	1.74E-06	9.94E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
1095	470845.73	3818908.46	1.89E-05	7.93E-05	7.14E-06	1.57E-05	5.83E-05	5.13E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.35E-06	3.69E-07
1096	470849.29	3818917.3	1.94E-05	8.15E-05	7.34E-06	1.62E-05	5.99E-05	5.27E-06	1.83E-06	1.05E-05	1.25E-06	1.67E-06	5.49E-06	3.79E-07
1097	470852.85	3818926.15	2.00E-05	8.38E-05	7.55E-06	1.66E-05	6.16E-05	5.42E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.65E-06	3.89E-07
1098	470856.41	3818934.99	2.05E-05	8.62E-05	7.76E-06	1.71E-05	6.33E-05	5.57E-06	1.94E-06	1.11E-05	1.32E-06	1.76E-06	5.81E-06	4.00E-07
1099	470859.97	3818943.84	2.11E-05	8.86E-05	7.98E-06	1.76E-05	6.51E-05	5.73E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.97E-06	4.12E-07
1100	470863.53	3818952.68	2.17E-05	9.12E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.15E-06	4.24E-07
1101	470867.09	3818961.53	2.23E-05	9.38E-05	8.45E-06	1.86E-05	6.89E-05	6.06E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.32E-06	4.36E-07
1102	470870.65	3818970.37	2.30E-05	9.66E-05	8.70E-06	1.92E-05	7.10E-05	6.24E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.51E-06	4.49E-07
1103	470874.21	3818979.22	2.37E-05	9.94E-05	8.95E-06	1.97E-05	7.30E-05	6.42E-06	2.24E-06	1.28E-05	1.53E-06	2.03E-06	6.70E-06	4.62E-07
1104	470877.78	3818988.06	2.44E-05	1.02E-04	9.21E-06	2.03E-05	7.52E-05	6.61E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.90E-06	4.75E-07
1105	470881.34	3818996.91	2.51E-05	1.05E-04	9.48E-06	2.09E-05	7.74E-05	6.81E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.89E-07
1106	470945.43	3819156.12	3.98E-05	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.41E-06	1.13E-05	7.76E-07
1107	470949	3819164.97	4.05E-05	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.91E-07
1108	470952.56	3819173.81	4.13E-05	1.73E-04	1.56E-05	3.44E-05	1.27E-04	1.12E-05	3.90E-06	2.23E-05	2.66E-06	3.55E-06	1.17E-05	8.06E-07
1109	470956.12	3819182.66	4.20E-05	1.77E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.97E-06	2.27E-05	2.71E-06	3.61E-06	1.19E-05	8.20E-07
1110	470959.68	3819191.5	4.27E-05	1.79E-04	1.62E-05	3.56E-05	1.32E-04	1.16E-05	4.04E-06	2.31E-05	2.76E-06	3.67E-06	1.21E-05	8.34E-07
1111	470963.24	3819200.35	4.34E-05	1.82E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.47E-07
1112	470966.8	3819209.19	4.40E-05	1.85E-04	1.67E-05	3.67E-05	1.36E-04	1.20E-05	4.16E-06	2.38E-05	2.84E-06	3.78E-06	1.25E-05	8.59E-07
1113	470970.36	3819218.04	4.47E-05	1.88E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.22E-06	2.41E-05	2.88E-06	3.83E-06	1.26E-05	8.71E-07
1114	470157.08	3818536.75	3.07E-05	1.29E-04	1.16E-05	2.56E-05	9.48E-05	8.34E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.70E-06	6.00E-07
1115	470147.52	3818536.61	3.08E-05	1.29E-04	1.16E-05	2.56E-05	9.49E-05	8.35E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.71E-06	6.00E-07
1116	470137.96	3818536.48	3.14E-05	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.51E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
1117	470128.39	3818536.34	3.13E-05	1.31E-04	1.18E-05	2.61E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.69E-06	8.85E-06	6.10E-07
1118	470118.83	3818536.21	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.61E-05	8.46E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.82E-06	6.08E-07
1119	470543.76	3818566.67	1.61E-05	6.75E-05	6.08E-06	1.34E-05	4.96E-05	4.36E-06	1.52E-06	8.69E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
1120	470552.44	3818570.4	1.58E-05	6.65E-05	5.99E-06	1.32E-05	4.89E-05	4.30E-06	1.50E-06	8.57E-06	1.02E-06	1.36E-06	4.49E-06	3.09E-07
1121	470561.12	3818574.12	1.56E-05	6.56E-05	5.91E-06	1.30E-05	4.82E-05	4.24E-06	1.48E-06	8.44E-06	1.01E-06	1.34E-06	4.42E-06	3.05E-07
1122	470569.8	3818577.85	1.54E-05	6.47E-05	5.82E-06	1.28E-05	4.75E-05	4.18E-06	1.45E-06	8.32E-06	9.93E-07	1.32E-06	4.36E-06	3.00E-07
1123	470578.48	3818581.57	1.52E-05	6.37E-05	5.74E-06	1.26E-05	4.68E-05	4.12E-06	1.43E-06	8.20E-06	9.79E-07	1.30E-06	4.29E-06	2.96E-07
1124	470587.15	3818585.3	1.50E-05	6.28E-05	5.65E-06	1.25E-05	4.61E-05	4.06E-06	1.41E-06	8.08E-06	9.64E-07	1.28E-06	4.23E-06	2.92E-07
1125	470595.83	3818589.02	1.47E-05	6.19E-05	5.57E-06	1.23E-05	4.55E-05	4.00E-06	1.39E-06	7.96E-06	9.50E-07	1.26E-06	4.17E-06	2.87E-07
1126	470604.51	3818592.75	1.45E-05	6.09E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.84E-06	9.36E-07	1.25E-06	4.11E-06	2.83E-07
1127	470613.19	3818596.47	1.43E-05	6.00E-05	5.41E-06	1.19E-05	4.41E-05	3.88E-06	1.35E-06	7.73E-06	9.22E-07	1.23E-06	4.05E-06	2.79E-07
1128	470621.87	3818600.2	1.41E-05	5.91E-05	5.32E-06	1.17E-05	4.34E-05	3.82E-06	1.33E-06	7.61E-06	9.08E-07	1.21E-06	3.98E-06	2.75E-07
1129	470673.94	3818622.55	1.28E-05	5.40E-05	4.86E-06	1.07E-05	3.97E-05	3.49E-06	1.21E-06	6.95E-06	8.29E-07	1.10E-06	3.64E-06	2.51E-07
1130	470682.62	3818626.27	1.27E-05	5.32E-05	4.79E-06	1.05E-05	3.91E-05	3.44E-06	1.20E-06	6.84E-06	8.16E-07	1.09E-06	3.58E-06	2.47E-07

1131	470691.3	3818630	1.25E-05	5.24E-05	4.72E-06	1.04E-05	3.85E-05	3.38E-06	1.18E-06	6.74E-06	8.04E-07	1.07E-06	3.53E-06	2.43E-07
1132	470699.98	3818633.72	1.23E-05	5.16E-05	4.65E-06	1.02E-05	3.79E-05	3.34E-06	1.16E-06	6.64E-06	7.92E-07	1.05E-06	3.48E-06	2.40E-07
1133	470708.66	3818637.45	1.21E-05	5.09E-05	4.58E-06	1.01E-05	3.74E-05	3.29E-06	1.14E-06	6.55E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
1134	470717.33	3818641.17	1.19E-05	5.02E-05	4.52E-06	9.95E-06	3.69E-05	3.24E-06	1.13E-06	6.46E-06	7.70E-07	1.03E-06	3.38E-06	2.33E-07
1135	470726.01	3818644.9	1.18E-05	4.95E-05	4.46E-06	9.81E-06	3.64E-05	3.20E-06	1.11E-06	6.37E-06	7.60E-07	1.01E-06	3.33E-06	2.30E-07
1136	470734.69	3818648.62	1.16E-05	4.88E-05	4.40E-06	9.68E-06	3.59E-05	3.16E-06	1.10E-06	6.29E-06	7.50E-07	9.98E-07	3.29E-06	2.27E-07
1137	470743.37	3818652.35	1.15E-05	4.82E-05	4.34E-06	9.56E-06	3.54E-05	3.12E-06	1.08E-06	6.21E-06	7.41E-07	9.86E-07	3.25E-06	2.24E-07
1138	470752.05	3818656.07	1.13E-05	4.76E-05	4.29E-06	9.44E-06	3.50E-05	3.08E-06	1.07E-06	6.13E-06	7.31E-07	9.73E-07	3.21E-06	2.21E-07
1139	470760.73	3818659.8	1.12E-05	4.71E-05	4.24E-06	9.33E-06	3.46E-05	3.04E-06	1.06E-06	6.06E-06	7.23E-07	9.62E-07	3.17E-06	2.19E-07
1140	470769.41	3818663.52	1.11E-05	4.65E-05	4.19E-06	9.23E-06	3.42E-05	3.01E-06	1.05E-06	5.99E-06	7.15E-07	9.51E-07	3.14E-06	2.16E-07
1141	470778.08	3818667.25	1.10E-05	4.60E-05	4.14E-06	9.13E-06	3.38E-05	2.97E-06	1.03E-06	5.92E-06	7.07E-07	9.41E-07	3.10E-06	2.14E-07
1142	470786.76	3818670.97	1.08E-05	4.56E-05	4.10E-06	9.04E-06	3.35E-05	2.94E-06	1.02E-06	5.86E-06	7.00E-07	9.31E-07	3.07E-06	2.12E-07
1143	470795.44	3818674.69	1.07E-05	4.51E-05	4.06E-06	8.95E-06	3.32E-05	2.92E-06	1.01E-06	5.81E-06	6.93E-07	9.23E-07	3.04E-06	2.10E-07
1144	470804.12	3818678.42	1.07E-05	4.47E-05	4.03E-06	8.87E-06	3.29E-05	2.89E-06	1.01E-06	5.76E-06	6.87E-07	9.14E-07	3.01E-06	2.08E-07
1145	470812.8	3818682.14	1.06E-05	4.44E-05	4.00E-06	8.80E-06	3.26E-05	2.87E-06	9.98E-07	5.71E-06	6.81E-07	9.07E-07	2.99E-06	2.06E-07
1146	470821.48	3818685.87	1.05E-05	4.40E-05	3.96E-06	8.73E-06	3.23E-05	2.85E-06	9.90E-07	5.67E-06	6.76E-07	9.00E-07	2.97E-06	2.05E-07
1147	470830.16	3818689.59	1.04E-05	4.37E-05	3.94E-06	8.67E-06	3.21E-05	2.83E-06	9.83E-07	5.63E-06	6.71E-07	8.94E-07	2.95E-06	2.03E-07
1148	470842.36	3818702.08	1.05E-05	4.40E-05	3.96E-06	8.73E-06	3.23E-05	2.85E-06	9.90E-07	5.67E-06	6.76E-07	9.00E-07	2.97E-06	2.05E-07
1149	470845.89	3818710.84	1.06E-05	4.46E-05	4.02E-06	8.85E-06	3.28E-05	2.88E-06	1.00E-06	5.74E-06	6.85E-07	9.12E-07	3.01E-06	2.07E-07
1150	470849.42	3818719.6	1.08E-05	4.53E-05	4.08E-06	8.98E-06	3.33E-05	2.93E-06	1.02E-06	5.83E-06	6.96E-07	9.26E-07	3.05E-06	2.10E-07
1151	470852.94	3818728.36	1.09E-05	4.60E-05	4.14E-06	9.12E-06	3.38E-05	2.97E-06	1.03E-06	5.92E-06	7.06E-07	9.40E-07	3.10E-06	2.14E-07
1152	470856.47	3818737.12	1.11E-05	4.67E-05	4.21E-06	9.27E-06	3.43E-05	3.02E-06	1.05E-06	6.02E-06	7.18E-07	9.55E-07	3.15E-06	2.17E-07
1153	470860	3818745.89	1.13E-05	4.75E-05	4.28E-06	9.42E-06	3.49E-05	3.07E-06	1.07E-06	6.12E-06	7.30E-07	9.71E-07	3.20E-06	2.21E-07
1154	470863.52	3818754.65	1.15E-05	4.83E-05	4.35E-06	9.59E-06	3.55E-05	3.12E-06	1.09E-06	6.22E-06	7.43E-07	9.88E-07	3.26E-06	2.25E-07
1155	470867.05	3818763.41	1.17E-05	4.92E-05	4.43E-06	9.76E-06	3.62E-05	3.18E-06	1.11E-06	6.34E-06	7.56E-07	1.01E-06	3.32E-06	2.29E-07
1156	470870.58	3818772.17	1.19E-05	5.02E-05	4.52E-06	9.95E-06	3.69E-05	3.24E-06	1.13E-06	6.46E-06	7.70E-07	1.03E-06	3.38E-06	2.33E-07
1157	470874.11	3818780.93	1.22E-05	5.11E-05	4.60E-06	1.01E-05	3.76E-05	3.31E-06	1.15E-06	6.58E-06	7.85E-07	1.05E-06	3.45E-06	2.38E-07
1158	470877.63	3818789.69	1.24E-05	5.22E-05	4.70E-06	1.04E-05	3.83E-05	3.37E-06	1.17E-06	6.72E-06	8.01E-07	1.07E-06	3.52E-06	2.42E-07
1159	470881.16	3818798.45	1.27E-05	5.33E-05	4.80E-06	1.06E-05	3.91E-05	3.44E-06	1.20E-06	6.86E-06	8.18E-07	1.09E-06	3.59E-06	2.48E-07
1160	470884.69	3818807.21	1.30E-05	5.44E-05	4.90E-06	1.08E-05	4.00E-05	3.52E-06	1.22E-06	7.01E-06	8.36E-07	1.11E-06	3.67E-06	2.53E-07
1161	470888.21	3818815.97	1.32E-05	5.56E-05	5.01E-06	1.10E-05	4.09E-05	3.60E-06	1.25E-06	7.16E-06	8.55E-07	1.14E-06	3.75E-06	2.59E-07
1162	470891.74	3818824.73	1.35E-05	5.69E-05	5.12E-06	1.13E-05	4.18E-05	3.68E-06	1.28E-06	7.32E-06	8.74E-07	1.16E-06	3.83E-06	2.64E-07
1163	470895.27	3818833.49	1.39E-05	5.82E-05	5.24E-06	1.15E-05	4.28E-05	3.76E-06	1.31E-06	7.49E-06	8.94E-07	1.19E-06	3.92E-06	2.70E-07
1164	470898.8	3818842.26	1.42E-05	5.96E-05	5.37E-06	1.18E-05	4.38E-05	3.85E-06	1.34E-06	7.67E-06	9.15E-07	1.22E-06	4.02E-06	2.77E-07
1165	470902.32	3818851.02	1.45E-05	6.10E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.85E-06	9.37E-07	1.25E-06	4.11E-06	2.83E-07
1166	470905.85	3818859.78	1.49E-05	6.25E-05	5.63E-06	1.24E-05	4.59E-05	4.04E-06	1.41E-06	8.04E-06	9.60E-07	1.28E-06	4.21E-06	2.90E-07
1167	470909.38	3818868.54	1.52E-05	6.40E-05	5.77E-06	1.27E-05	4.71E-05	4.14E-06	1.44E-06	8.24E-06	9.84E-07	1.31E-06	4.32E-06	2.98E-07
1168	470912.9	3818877.3	1.56E-05	6.56E-05	5.91E-06	1.30E-05	4.82E-05	4.24E-06	1.48E-06	8.45E-06	1.01E-06	1.34E-06	4.42E-06	3.05E-07
1169	470916.43	3818886.06	1.60E-05	6.73E-05	6.06E-06	1.34E-05	4.95E-05	4.35E-06	1.51E-06	8.67E-06	1.03E-06	1.38E-06	4.54E-06	3.13E-07
1170	470919.96	3818894.82	1.64E-05	6.91E-05	6.22E-06	1.37E-05	5.07E-05	4.46E-06	1.55E-06	8.89E-06	1.06E-06	1.41E-06	4.65E-06	3.21E-07
1171	470923.49	3818903.58	1.69E-05	7.08E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
1172	470927.01	3818912.34	1.73E-05	7.27E-05	6.55E-06	1.44E-05	5.34E-05	4.70E-06	1.63E-06	9.36E-06	1.12E-06	1.49E-06	4.90E-06	3.38E-07

1173	470930.54	3818921.1	1.78E-05	7.46E-05	6.72E-06	1.48E-05	5.48E-05	4.82E-06	1.68E-06	9.61E-06	1.15E-06	1.53E-06	5.03E-06	3.47E-07
1174	470934.07	3818929.86	1.82E-05	7.66E-05	6.90E-06	1.52E-05	5.63E-05	4.95E-06	1.72E-06	9.86E-06	1.18E-06	1.57E-06	5.16E-06	3.56E-07
1175	470937.59	3818938.63	1.87E-05	7.87E-05	7.08E-06	1.56E-05	5.78E-05	5.09E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.30E-06	3.66E-07
1176	470941.12	3818947.39	1.92E-05	8.08E-05	7.27E-06	1.60E-05	5.93E-05	5.22E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.44E-06	3.75E-07
1177	470944.65	3818956.15	1.97E-05	8.29E-05	7.47E-06	1.64E-05	6.09E-05	5.36E-06	1.86E-06	1.07E-05	1.27E-06	1.70E-06	5.59E-06	3.85E-07
1178	470948.17	3818964.91	2.03E-05	8.52E-05	7.67E-06	1.69E-05	6.26E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.74E-06	3.96E-07
1179	470951.7	3818973.67	2.08E-05	8.75E-05	7.88E-06	1.73E-05	6.43E-05	5.65E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
1180	470955.23	3818982.43	2.14E-05	8.98E-05	8.09E-06	1.78E-05	6.60E-05	5.81E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.05E-06	4.17E-07
1181	470958.76	3818991.19	2.20E-05	9.22E-05	8.31E-06	1.83E-05	6.78E-05	5.96E-06	2.07E-06	1.19E-05	1.42E-06	1.89E-06	6.22E-06	4.29E-07
1182	470962.28	3818999.95	2.25E-05	9.47E-05	8.53E-06	1.88E-05	6.96E-05	6.12E-06	2.13E-06	1.22E-05	1.45E-06	1.94E-06	6.38E-06	4.40E-07
1183	470965.81	3819008.71	2.31E-05	9.72E-05	8.75E-06	1.93E-05	7.14E-05	6.28E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.55E-06	4.52E-07
1184	470969.34	3819017.47	2.38E-05	9.98E-05	8.98E-06	1.98E-05	7.33E-05	6.45E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.72E-06	4.64E-07
1185	470972.86	3819026.23	2.44E-05	1.02E-04	9.22E-06	2.03E-05	7.52E-05	6.62E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.90E-06	4.76E-07
1186	470976.39	3819035	2.50E-05	1.05E-04	9.45E-06	2.08E-05	7.71E-05	6.79E-06	2.36E-06	1.35E-05	1.61E-06	2.15E-06	7.08E-06	4.88E-07
1187	470979.92	3819043.76	2.56E-05	1.08E-04	9.69E-06	2.13E-05	7.91E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.25E-06	5.00E-07
1188	470983.45	3819052.52	2.63E-05	1.10E-04	9.93E-06	2.19E-05	8.10E-05	7.13E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.43E-06	5.12E-07
1189	470986.97	3819061.28	2.69E-05	1.13E-04	1.02E-05	2.24E-05	8.30E-05	7.30E-06	2.54E-06	1.45E-05	1.74E-06	2.31E-06	7.62E-06	5.25E-07
1190	470990.5	3819070.04	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.50E-05	7.48E-06	2.60E-06	1.49E-05	1.78E-06	2.37E-06	7.80E-06	5.38E-07
1191	470994.03	3819078.8	2.82E-05	1.18E-04	1.07E-05	2.35E-05	8.70E-05	7.66E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
1192	470997.55	3819087.56	2.89E-05	1.21E-04	1.09E-05	2.40E-05	8.91E-05	7.83E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.17E-06	5.63E-07
1193	471001.08	3819096.32	2.95E-05	1.24E-04	1.12E-05	2.46E-05	9.11E-05	8.01E-06	2.79E-06	1.60E-05	1.90E-06	2.53E-06	8.35E-06	5.76E-07
1194	471004.61	3819105.08	3.02E-05	1.27E-04	1.14E-05	2.51E-05	9.30E-05	8.18E-06	2.85E-06	1.63E-05	1.94E-06	2.59E-06	8.54E-06	5.88E-07
1195	471008.14	3819113.84	3.08E-05	1.29E-04	1.16E-05	2.56E-05	9.50E-05	8.36E-06	2.91E-06	1.66E-05	1.99E-06	2.64E-06	8.71E-06	6.01E-07
1196	471011.66	3819122.6	3.14E-05	1.32E-04	1.19E-05	2.62E-05	9.69E-05	8.53E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.89E-06	6.13E-07
1197	471015.19	3819131.37	3.20E-05	1.35E-04	1.21E-05	2.67E-05	9.89E-05	8.70E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.07E-06	6.25E-07
1198	471018.72	3819140.13	3.26E-05	1.37E-04	1.23E-05	2.72E-05	1.01E-04	8.86E-06	3.08E-06	1.76E-05	2.11E-06	2.80E-06	9.24E-06	6.37E-07
1199	471022.24	3819148.89	3.32E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.02E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.41E-06	6.49E-07
1200	471025.77	3819157.65	3.38E-05	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.18E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.57E-06	6.60E-07
1201	471029.3	3819166.41	3.44E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.33E-06	3.25E-06	1.86E-05	2.22E-06	2.95E-06	9.73E-06	6.71E-07
1202	470581.52	3818502.4	1.31E-05	5.51E-05	4.96E-06	1.09E-05	4.05E-05	3.56E-06	1.24E-06	7.10E-06	8.47E-07	1.13E-06	3.72E-06	2.56E-07
1203	470590.26	3818506.15	1.30E-05	5.44E-05	4.90E-06	1.08E-05	4.00E-05	3.52E-06	1.22E-06	7.00E-06	8.36E-07	1.11E-06	3.67E-06	2.53E-07
1204	470598.99	3818509.9	1.28E-05	5.37E-05	4.84E-06	1.07E-05	3.95E-05	3.47E-06	1.21E-06	6.91E-06	8.25E-07	1.10E-06	3.62E-06	2.49E-07
1205	470607.73	3818513.65	1.26E-05	5.30E-05	4.77E-06	1.05E-05	3.89E-05	3.42E-06	1.19E-06	6.82E-06	8.14E-07	1.08E-06	3.57E-06	2.46E-07
1206	470616.47	3818517.4	1.24E-05	5.23E-05	4.71E-06	1.04E-05	3.84E-05	3.38E-06	1.18E-06	6.73E-06	8.03E-07	1.07E-06	3.52E-06	2.43E-07
1207	470625.2	3818521.15	1.23E-05	5.16E-05	4.64E-06	1.02E-05	3.79E-05	3.33E-06	1.16E-06	6.64E-06	7.92E-07	1.05E-06	3.48E-06	2.40E-07
1208	470633.94	3818524.9	1.21E-05	5.08E-05	4.58E-06	1.01E-05	3.73E-05	3.29E-06	1.14E-06	6.54E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
1209	470642.68	3818528.65	1.19E-05	5.01E-05	4.51E-06	9.94E-06	3.68E-05	3.24E-06	1.13E-06	6.45E-06	7.70E-07	1.02E-06	3.38E-06	2.33E-07
1210	470651.41	3818532.4	1.18E-05	4.94E-05	4.45E-06	9.80E-06	3.63E-05	3.19E-06	1.11E-06	6.36E-06	7.59E-07	1.01E-06	3.33E-06	2.30E-07
1211	470660.15	3818536.15	1.16E-05	4.87E-05	4.39E-06	9.66E-06	3.58E-05	3.15E-06	1.10E-06	6.27E-06	7.48E-07	9.96E-07	3.28E-06	2.26E-07
1212	470668.89	3818539.9	1.14E-05	4.80E-05	4.33E-06	9.53E-06	3.53E-05	3.11E-06	1.08E-06	6.18E-06	7.38E-07	9.82E-07	3.24E-06	2.23E-07
1213	470677.62	3818543.65	1.13E-05	4.74E-05	4.26E-06	9.39E-06	3.48E-05	3.06E-06	1.06E-06	6.10E-06	7.27E-07	9.68E-07	3.19E-06	2.20E-07
1214	470686.36	3818547.4	1.11E-05	4.67E-05	4.20E-06	9.26E-06	3.43E-05	3.02E-06	1.05E-06	6.01E-06	7.17E-07	9.54E-07	3.15E-06	2.17E-07

1215	470695.1	3818551.15	1.10E-05	4.60E-05	4.14E-06	9.12E-06	3.38E-05	2.97E-06	1.03E-06	5.92E-06	7.07E-07	9.40E-07	3.10E-06	2.14E-07
1216	470703.83	3818554.9	1.08E-05	4.54E-05	4.08E-06	9.00E-06	3.33E-05	2.93E-06	1.02E-06	5.84E-06	6.97E-07	9.27E-07	3.06E-06	2.11E-07
1217	470756.25	3818577.4	9.92E-06	4.17E-05	3.75E-06	8.27E-06	3.06E-05	2.69E-06	9.37E-07	5.37E-06	6.40E-07	8.52E-07	2.81E-06	1.94E-07
1218	470764.99	3818581.15	9.79E-06	4.11E-05	3.70E-06	8.16E-06	3.02E-05	2.66E-06	9.25E-07	5.29E-06	6.32E-07	8.41E-07	2.77E-06	1.91E-07
1219	470773.73	3818584.9	9.67E-06	4.06E-05	3.66E-06	8.05E-06	2.98E-05	2.62E-06	9.13E-07	5.23E-06	6.24E-07	8.30E-07	2.74E-06	1.89E-07
1220	470782.46	3818588.65	9.55E-06	4.01E-05	3.61E-06	7.95E-06	2.95E-05	2.59E-06	9.02E-07	5.16E-06	6.16E-07	8.20E-07	2.70E-06	1.86E-07
1221	470791.2	3818592.4	9.43E-06	3.96E-05	3.57E-06	7.86E-06	2.91E-05	2.56E-06	8.91E-07	5.10E-06	6.08E-07	8.10E-07	2.67E-06	1.84E-07
1222	470799.94	3818596.15	9.32E-06	3.91E-05	3.52E-06	7.76E-06	2.88E-05	2.53E-06	8.80E-07	5.04E-06	6.01E-07	8.00E-07	2.64E-06	1.82E-07
1223	470808.68	3818599.9	9.21E-06	3.87E-05	3.48E-06	7.67E-06	2.84E-05	2.50E-06	8.70E-07	4.98E-06	5.94E-07	7.91E-07	2.61E-06	1.80E-07
1224	470817.41	3818603.65	9.11E-06	3.83E-05	3.45E-06	7.59E-06	2.81E-05	2.47E-06	8.60E-07	4.93E-06	5.88E-07	7.82E-07	2.58E-06	1.78E-07
1225	470826.15	3818607.4	9.02E-06	3.79E-05	3.41E-06	7.51E-06	2.78E-05	2.45E-06	8.52E-07	4.88E-06	5.82E-07	7.74E-07	2.55E-06	1.76E-07
1226	470834.89	3818611.15	8.93E-06	3.75E-05	3.38E-06	7.44E-06	2.76E-05	2.42E-06	8.43E-07	4.83E-06	5.76E-07	7.66E-07	2.53E-06	1.74E-07
1227	470843.62	3818614.9	8.85E-06	3.72E-05	3.35E-06	7.37E-06	2.73E-05	2.40E-06	8.35E-07	4.78E-06	5.71E-07	7.59E-07	2.50E-06	1.73E-07
1228	470852.36	3818618.65	8.76E-06	3.68E-05	3.31E-06	7.30E-06	2.70E-05	2.38E-06	8.28E-07	4.74E-06	5.65E-07	7.52E-07	2.48E-06	1.71E-07
1229	470861.1	3818622.4	8.69E-06	3.65E-05	3.29E-06	7.24E-06	2.68E-05	2.36E-06	8.21E-07	4.70E-06	5.61E-07	7.46E-07	2.46E-06	1.70E-07
1230	470869.83	3818626.15	8.63E-06	3.62E-05	3.26E-06	7.19E-06	2.66E-05	2.34E-06	8.15E-07	4.67E-06	5.57E-07	7.41E-07	2.44E-06	1.68E-07
1231	470878.57	3818629.9	8.57E-06	3.60E-05	3.24E-06	7.14E-06	2.64E-05	2.33E-06	8.09E-07	4.63E-06	5.53E-07	7.36E-07	2.43E-06	1.67E-07
1232	470887.31	3818633.65	8.51E-06	3.58E-05	3.22E-06	7.09E-06	2.63E-05	2.31E-06	8.04E-07	4.60E-06	5.49E-07	7.31E-07	2.41E-06	1.66E-07
1233	470899.59	3818646.22	8.57E-06	3.60E-05	3.24E-06	7.14E-06	2.64E-05	2.33E-06	8.09E-07	4.63E-06	5.53E-07	7.36E-07	2.43E-06	1.67E-07
1234	470903.14	3818655.04	8.68E-06	3.64E-05	3.28E-06	7.23E-06	2.68E-05	2.36E-06	8.20E-07	4.69E-06	5.60E-07	7.45E-07	2.46E-06	1.69E-07
1235	470906.69	3818663.86	8.79E-06	3.69E-05	3.33E-06	7.32E-06	2.71E-05	2.39E-06	8.30E-07	4.75E-06	5.67E-07	7.55E-07	2.49E-06	1.72E-07
1236	470910.24	3818672.67	8.92E-06	3.75E-05	3.37E-06	7.43E-06	2.75E-05	2.42E-06	8.43E-07	4.82E-06	5.76E-07	7.66E-07	2.53E-06	1.74E-07
1237	470913.8	3818681.49	9.05E-06	3.80E-05	3.42E-06	7.54E-06	2.79E-05	2.46E-06	8.55E-07	4.89E-06	5.84E-07	7.77E-07	2.56E-06	1.77E-07
1238	470917.35	3818690.31	9.20E-06	3.86E-05	3.48E-06	7.66E-06	2.84E-05	2.50E-06	8.69E-07	4.97E-06	5.93E-07	7.90E-07	2.60E-06	1.79E-07
1239	470920.9	3818699.13	9.35E-06	3.93E-05	3.53E-06	7.79E-06	2.88E-05	2.54E-06	8.83E-07	5.05E-06	6.03E-07	8.02E-07	2.65E-06	1.82E-07
1240	470924.45	3818707.95	9.51E-06	3.99E-05	3.60E-06	7.92E-06	2.93E-05	2.58E-06	8.98E-07	5.14E-06	6.13E-07	8.16E-07	2.69E-06	1.85E-07
1241	470928	3818716.77	9.67E-06	4.06E-05	3.66E-06	8.05E-06	2.98E-05	2.62E-06	9.13E-07	5.23E-06	6.24E-07	8.30E-07	2.74E-06	1.89E-07
1242	470931.55	3818725.59	9.84E-06	4.13E-05	3.72E-06	8.20E-06	3.04E-05	2.67E-06	9.29E-07	5.32E-06	6.35E-07	8.45E-07	2.79E-06	1.92E-07
1243	470935.1	3818734.41	1.00E-05	4.21E-05	3.79E-06	8.35E-06	3.09E-05	2.72E-06	9.47E-07	5.42E-06	6.47E-07	8.61E-07	2.84E-06	1.96E-07
1244	470938.65	3818743.23	1.02E-05	4.29E-05	3.87E-06	8.51E-06	3.15E-05	2.77E-06	9.65E-07	5.53E-06	6.59E-07	8.78E-07	2.89E-06	1.99E-07
1245	470942.2	3818752.05	1.04E-05	4.38E-05	3.94E-06	8.68E-06	3.22E-05	2.83E-06	9.84E-07	5.64E-06	6.72E-07	8.95E-07	2.95E-06	2.03E-07
1246	470945.75	3818760.87	1.06E-05	4.46E-05	4.02E-06	8.86E-06	3.28E-05	2.89E-06	1.00E-06	5.75E-06	6.86E-07	9.13E-07	3.01E-06	2.07E-07
1247	470949.3	3818769.69	1.09E-05	4.56E-05	4.10E-06	9.04E-06	3.35E-05	2.95E-06	1.02E-06	5.87E-06	7.00E-07	9.32E-07	3.07E-06	2.12E-07
1248	470952.85	3818778.51	1.11E-05	4.65E-05	4.19E-06	9.23E-06	3.42E-05	3.01E-06	1.05E-06	5.99E-06	7.15E-07	9.51E-07	3.14E-06	2.16E-07
1249	470956.4	3818787.33	1.13E-05	4.75E-05	4.28E-06	9.43E-06	3.49E-05	3.07E-06	1.07E-06	6.12E-06	7.30E-07	9.72E-07	3.20E-06	2.21E-07
1250	470959.95	3818796.15	1.16E-05	4.86E-05	4.37E-06	9.63E-06	3.57E-05	3.14E-06	1.09E-06	6.25E-06	7.46E-07	9.93E-07	3.27E-06	2.26E-07
1251	470963.5	3818804.97	1.18E-05	4.97E-05	4.47E-06	9.85E-06	3.65E-05	3.21E-06	1.12E-06	6.39E-06	7.63E-07	1.02E-06	3.35E-06	2.31E-07
1252	470967.06	3818813.79	1.21E-05	5.08E-05	4.57E-06	1.01E-05	3.73E-05	3.28E-06	1.14E-06	6.54E-06	7.80E-07	1.04E-06	3.42E-06	2.36E-07
1253	470970.61	3818822.61	1.24E-05	5.19E-05	4.67E-06	1.03E-05	3.81E-05	3.35E-06	1.17E-06	6.68E-06	7.97E-07	1.06E-06	3.50E-06	2.41E-07
1254	470974.16	3818831.43	1.26E-05	5.31E-05	4.78E-06	1.05E-05	3.90E-05	3.43E-06	1.19E-06	6.83E-06	8.15E-07	1.09E-06	3.58E-06	2.47E-07
1255	470977.71	3818840.25	1.29E-05	5.43E-05	4.89E-06	1.08E-05	3.99E-05	3.51E-06	1.22E-06	6.99E-06	8.34E-07	1.11E-06	3.66E-06	2.52E-07
1256	470981.26	3818849.07	1.32E-05	5.56E-05	5.01E-06	1.10E-05	4.09E-05	3.60E-06	1.25E-06	7.16E-06	8.54E-07	1.14E-06	3.75E-06	2.58E-07

1257	470984.81	3818857.88	1.36E-05	5.70E-05	5.13E-06	1.13E-05	4.18E-05	3.68E-06	1.28E-06	7.33E-06	8.75E-07	1.16E-06	3.84E-06	2.65E-07
1258	470988.36	3818866.7	1.39E-05	5.83E-05	5.25E-06	1.16E-05	4.29E-05	3.77E-06	1.31E-06	7.51E-06	8.96E-07	1.19E-06	3.93E-06	2.71E-07
1259	470991.91	3818875.52	1.42E-05	5.98E-05	5.38E-06	1.19E-05	4.39E-05	3.86E-06	1.34E-06	7.70E-06	9.18E-07	1.22E-06	4.03E-06	2.78E-07
1260	470995.46	3818884.34	1.46E-05	6.12E-05	5.51E-06	1.21E-05	4.50E-05	3.96E-06	1.38E-06	7.88E-06	9.40E-07	1.25E-06	4.13E-06	2.85E-07
1261	470999.01	3818893.16	1.49E-05	6.28E-05	5.65E-06	1.24E-05	4.61E-05	4.06E-06	1.41E-06	8.08E-06	9.64E-07	1.28E-06	4.23E-06	2.92E-07
1262	471002.56	3818901.98	1.53E-05	6.43E-05	5.79E-06	1.28E-05	4.73E-05	4.16E-06	1.45E-06	8.28E-06	9.88E-07	1.31E-06	4.34E-06	2.99E-07
1263	471006.11	3818910.8	1.57E-05	6.59E-05	5.94E-06	1.31E-05	4.85E-05	4.26E-06	1.48E-06	8.49E-06	1.01E-06	1.35E-06	4.44E-06	3.06E-07
1264	471009.66	3818919.62	1.61E-05	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.56E-06	3.14E-07
1265	471013.21	3818928.44	1.65E-05	6.93E-05	6.24E-06	1.37E-05	5.09E-05	4.48E-06	1.56E-06	8.92E-06	1.06E-06	1.42E-06	4.67E-06	3.22E-07
1266	471016.76	3818937.26	1.69E-05	7.11E-05	6.40E-06	1.41E-05	5.22E-05	4.59E-06	1.60E-06	9.15E-06	1.09E-06	1.45E-06	4.79E-06	3.30E-07
1267	471020.32	3818946.08	1.74E-05	7.29E-05	6.56E-06	1.45E-05	5.35E-05	4.71E-06	1.64E-06	9.38E-06	1.12E-06	1.49E-06	4.91E-06	3.39E-07
1268	471023.87	3818954.9	1.78E-05	7.47E-05	6.73E-06	1.48E-05	5.49E-05	4.83E-06	1.68E-06	9.62E-06	1.15E-06	1.53E-06	5.04E-06	3.47E-07
1269	471027.42	3818963.72	1.82E-05	7.66E-05	6.90E-06	1.52E-05	5.63E-05	4.95E-06	1.72E-06	9.86E-06	1.18E-06	1.57E-06	5.16E-06	3.56E-07
1270	471030.97	3818972.54	1.87E-05	7.85E-05	7.07E-06	1.56E-05	5.77E-05	5.07E-06	1.76E-06	1.01E-05	1.21E-06	1.60E-06	5.29E-06	3.65E-07
1271	471034.52	3818981.36	1.92E-05	8.04E-05	7.24E-06	1.60E-05	5.91E-05	5.20E-06	1.81E-06	1.04E-05	1.24E-06	1.64E-06	5.42E-06	3.74E-07
1272	471038.07	3818990.18	1.96E-05	8.24E-05	7.42E-06	1.63E-05	6.06E-05	5.33E-06	1.85E-06	1.06E-05	1.27E-06	1.68E-06	5.55E-06	3.83E-07
1273	471048.72	3819016.64	2.11E-05	8.85E-05	7.97E-06	1.76E-05	6.50E-05	5.72E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.97E-06	4.11E-07
1274	471052.27	3819025.46	2.16E-05	9.06E-05	8.16E-06	1.80E-05	6.66E-05	5.86E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.11E-06	4.21E-07
1275	471055.82	3819034.28	2.21E-05	9.27E-05	8.35E-06	1.84E-05	6.82E-05	6.00E-06	2.09E-06	1.19E-05	1.42E-06	1.90E-06	6.25E-06	4.31E-07
1276	471059.37	3819043.09	2.26E-05	9.49E-05	8.55E-06	1.88E-05	6.97E-05	6.13E-06	2.13E-06	1.22E-05	1.46E-06	1.94E-06	6.40E-06	4.41E-07
1277	471062.92	3819051.91	2.31E-05	9.70E-05	8.74E-06	1.92E-05	7.13E-05	6.27E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.54E-06	4.51E-07
1278	471066.47	3819060.73	2.36E-05	9.92E-05	8.93E-06	1.97E-05	7.29E-05	6.41E-06	2.23E-06	1.28E-05	1.52E-06	2.03E-06	6.69E-06	4.61E-07
1279	471070.02	3819069.55	2.41E-05	1.01E-04	9.13E-06	2.01E-05	7.45E-05	6.55E-06	2.28E-06	1.30E-05	1.56E-06	2.07E-06	6.83E-06	4.71E-07
1280	471073.58	3819078.37	2.46E-05	1.04E-04	9.32E-06	2.05E-05	7.61E-05	6.69E-06	2.33E-06	1.33E-05	1.59E-06	2.12E-06	6.98E-06	4.81E-07
1281	471077.13	3819087.19	2.52E-05	1.06E-04	9.51E-06	2.10E-05	7.76E-05	6.83E-06	2.38E-06	1.36E-05	1.62E-06	2.16E-06	7.12E-06	4.91E-07
1282	471080.68	3819096.01	2.57E-05	1.08E-04	9.70E-06	2.14E-05	7.92E-05	6.97E-06	2.42E-06	1.39E-05	1.66E-06	2.20E-06	7.26E-06	5.01E-07
1283	471084.23	3819104.83	2.62E-05	1.10E-04	9.89E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.25E-06	7.40E-06	5.10E-07
1284	471087.78	3819113.65	2.67E-05	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
1285	471091.33	3819122.47	2.71E-05	1.14E-04	1.03E-05	2.26E-05	8.38E-05	7.37E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.68E-06	5.30E-07
1286	471094.88	3819131.29	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.52E-05	7.50E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.82E-06	5.39E-07
1287	471105.53	3819157.75	2.90E-05	1.22E-04	1.10E-05	2.41E-05	8.94E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.20E-06	5.66E-07
1288	471109.08	3819166.57	2.94E-05	1.24E-04	1.11E-05	2.45E-05	9.08E-05	7.98E-06	2.78E-06	1.59E-05	1.90E-06	2.52E-06	8.33E-06	5.74E-07
1289	471112.63	3819175.39	2.98E-05	1.25E-04	1.13E-05	2.48E-05	9.20E-05	8.10E-06	2.82E-06	1.61E-05	1.92E-06	2.56E-06	8.44E-06	5.82E-07
1290	471116.18	3819184.21	3.02E-05	1.27E-04	1.14E-05	2.52E-05	9.33E-05	8.21E-06	2.85E-06	1.63E-05	1.95E-06	2.60E-06	8.56E-06	5.90E-07
1291	471119.73	3819193.03	3.06E-05	1.29E-04	1.16E-05	2.55E-05	9.45E-05	8.31E-06	2.89E-06	1.65E-05	1.97E-06	2.63E-06	8.66E-06	5.97E-07
1292	471123.29	3819201.85	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.56E-05	8.41E-06	2.93E-06	1.67E-05	2.00E-06	2.66E-06	8.77E-06	6.04E-07
1293	471126.84	3819210.67	3.13E-05	1.32E-04	1.18E-05	2.61E-05	9.67E-05	8.50E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.87E-06	6.11E-07
1294	471130.39	3819219.49	3.16E-05	1.33E-04	1.20E-05	2.64E-05	9.76E-05	8.59E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.96E-06	6.17E-07
1295	471133.94	3819228.3	3.20E-05	1.34E-04	1.21E-05	2.66E-05	9.86E-05	8.67E-06	3.02E-06	1.73E-05	2.06E-06	2.74E-06	9.04E-06	6.23E-07
1296	471137.49	3819237.12	3.22E-05	1.35E-04	1.22E-05	2.69E-05	9.95E-05	8.75E-06	3.04E-06	1.74E-05	2.08E-06	2.77E-06	9.12E-06	6.29E-07
1297	470293.21	3818378.66	1.86E-05	7.81E-05	7.03E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.26E-06	3.63E-07
1298	470283.65	3818378.52	1.89E-05	7.92E-05	7.14E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07

1299	470274.09	3818378.39	1.91E-05	8.04E-05	7.24E-06	1.59E-05	5.91E-05	5.20E-06	1.81E-06	1.03E-05	1.23E-06	1.64E-06	5.42E-06	3.73E-07
1300	470264.52	3818378.25	1.94E-05	8.15E-05	7.34E-06	1.62E-05	5.99E-05	5.27E-06	1.83E-06	1.05E-05	1.25E-06	1.67E-06	5.49E-06	3.79E-07
1301	470254.96	3818378.12	1.97E-05	8.25E-05	7.43E-06	1.64E-05	6.07E-05	5.34E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.84E-07
1302	470245.4	3818377.98	1.99E-05	8.35E-05	7.52E-06	1.66E-05	6.14E-05	5.40E-06	1.88E-06	1.08E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
1303	470235.84	3818377.85	2.01E-05	8.44E-05	7.60E-06	1.67E-05	6.20E-05	5.46E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.69E-06	3.92E-07
1304	470226.27	3818377.71	2.03E-05	8.52E-05	7.68E-06	1.69E-05	6.26E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.74E-06	3.96E-07
1305	470216.71	3818377.58	2.05E-05	8.60E-05	7.74E-06	1.70E-05	6.32E-05	5.56E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.79E-06	3.99E-07
1306	470207.15	3818377.44	2.06E-05	8.66E-05	7.80E-06	1.72E-05	6.36E-05	5.60E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.84E-06	4.02E-07
1307	470197.59	3818377.31	2.08E-05	8.72E-05	7.85E-06	1.73E-05	6.41E-05	5.63E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.88E-06	4.05E-07
1308	470188.03	3818377.17	2.09E-05	8.76E-05	7.89E-06	1.74E-05	6.44E-05	5.66E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.07E-07
1309	470178.46	3818377.04	2.10E-05	8.80E-05	7.92E-06	1.75E-05	6.47E-05	5.69E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
1310	470168.9	3818376.9	2.15E-05	9.04E-05	8.14E-06	1.79E-05	6.64E-05	5.85E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.09E-06	4.20E-07
1311	470159.34	3818376.77	2.16E-05	9.08E-05	8.18E-06	1.80E-05	6.67E-05	5.87E-06	2.04E-06	1.17E-05	1.39E-06	1.86E-06	6.12E-06	4.22E-07
1312	470149.78	3818376.63	2.17E-05	9.10E-05	8.20E-06	1.81E-05	6.69E-05	5.88E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.23E-07
1313	470140.21	3818376.5	2.17E-05	9.11E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.23E-07
1314	470130.65	3818376.36	2.17E-05	9.11E-05	8.20E-06	1.81E-05	6.69E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.23E-07
1315	470121.09	3818376.23	2.16E-05	9.09E-05	8.19E-06	1.80E-05	6.68E-05	5.88E-06	2.04E-06	1.17E-05	1.40E-06	1.86E-06	6.13E-06	4.22E-07
1316	470680.9	3818464.58	9.99E-06	4.19E-05	3.78E-06	8.32E-06	3.08E-05	2.71E-06	9.43E-07	5.40E-06	6.44E-07	8.57E-07	2.83E-06	1.95E-07
1317	470689.69	3818468.35	9.86E-06	4.14E-05	3.73E-06	8.21E-06	3.04E-05	2.68E-06	9.31E-07	5.33E-06	6.36E-07	8.46E-07	2.79E-06	1.92E-07
1318	470698.47	3818472.12	9.73E-06	4.08E-05	3.68E-06	8.10E-06	3.00E-05	2.64E-06	9.19E-07	5.26E-06	6.27E-07	8.35E-07	2.75E-06	1.90E-07
1319	470707.26	3818475.89	9.59E-06	4.03E-05	3.63E-06	7.99E-06	2.96E-05	2.60E-06	9.06E-07	5.19E-06	6.19E-07	8.23E-07	2.72E-06	1.87E-07
1320	470716.04	3818479.66	9.47E-06	3.98E-05	3.58E-06	7.89E-06	2.92E-05	2.57E-06	8.94E-07	5.12E-06	6.11E-07	8.13E-07	2.68E-06	1.85E-07
1321	470724.83	3818483.43	9.34E-06	3.92E-05	3.53E-06	7.78E-06	2.88E-05	2.53E-06	8.82E-07	5.05E-06	6.02E-07	8.02E-07	2.64E-06	1.82E-07
1322	470733.61	3818487.2	9.21E-06	3.87E-05	3.48E-06	7.67E-06	2.84E-05	2.50E-06	8.69E-07	4.98E-06	5.94E-07	7.90E-07	2.61E-06	1.80E-07
1323	470742.4	3818490.97	9.08E-06	3.81E-05	3.43E-06	7.57E-06	2.80E-05	2.47E-06	8.58E-07	4.91E-06	5.86E-07	7.80E-07	2.57E-06	1.77E-07
1324	470751.18	3818494.75	8.96E-06	3.76E-05	3.39E-06	7.46E-06	2.77E-05	2.43E-06	8.46E-07	4.84E-06	5.78E-07	7.69E-07	2.54E-06	1.75E-07
1325	470759.97	3818498.52	8.84E-06	3.71E-05	3.34E-06	7.36E-06	2.73E-05	2.40E-06	8.35E-07	4.78E-06	5.70E-07	7.59E-07	2.50E-06	1.73E-07
1326	470768.75	3818502.29	8.72E-06	3.66E-05	3.30E-06	7.26E-06	2.69E-05	2.37E-06	8.24E-07	4.71E-06	5.63E-07	7.49E-07	2.47E-06	1.70E-07
1327	470777.54	3818506.06	8.60E-06	3.61E-05	3.25E-06	7.16E-06	2.65E-05	2.33E-06	8.12E-07	4.65E-06	5.55E-07	7.38E-07	2.43E-06	1.68E-07
1328	470786.33	3818509.83	8.49E-06	3.57E-05	3.21E-06	7.07E-06	2.62E-05	2.30E-06	8.02E-07	4.59E-06	5.48E-07	7.29E-07	2.40E-06	1.66E-07
1329	470839.04	3818532.45	7.88E-06	3.31E-05	2.98E-06	6.56E-06	2.43E-05	2.14E-06	7.44E-07	4.26E-06	5.08E-07	6.76E-07	2.23E-06	1.54E-07
1330	470847.82	3818536.22	7.79E-06	3.27E-05	2.95E-06	6.49E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.69E-07	2.20E-06	1.52E-07
1331	470856.61	3818539.99	7.70E-06	3.23E-05	2.91E-06	6.42E-06	2.38E-05	2.09E-06	7.27E-07	4.16E-06	4.97E-07	6.61E-07	2.18E-06	1.50E-07
1332	470865.39	3818543.77	7.62E-06	3.20E-05	2.88E-06	6.35E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.91E-07	6.54E-07	2.16E-06	1.49E-07
1333	470874.18	3818547.54	7.54E-06	3.17E-05	2.85E-06	6.28E-06	2.33E-05	2.05E-06	7.12E-07	4.08E-06	4.87E-07	6.48E-07	2.14E-06	1.47E-07
1334	470882.97	3818551.31	7.47E-06	3.14E-05	2.83E-06	6.22E-06	2.31E-05	2.03E-06	7.05E-07	4.04E-06	4.82E-07	6.41E-07	2.11E-06	1.46E-07
1335	470891.75	3818555.08	7.40E-06	3.11E-05	2.80E-06	6.17E-06	2.28E-05	2.01E-06	6.99E-07	4.00E-06	4.78E-07	6.36E-07	2.10E-06	1.44E-07
1336	470900.54	3818558.85	7.34E-06	3.08E-05	2.78E-06	6.11E-06	2.27E-05	1.99E-06	6.93E-07	3.97E-06	4.74E-07	6.30E-07	2.08E-06	1.43E-07
1337	470909.32	3818562.62	7.28E-06	3.06E-05	2.75E-06	6.06E-06	2.25E-05	1.98E-06	6.87E-07	3.93E-06	4.69E-07	6.25E-07	2.06E-06	1.42E-07
1338	470918.11	3818566.39	7.23E-06	3.03E-05	2.73E-06	6.02E-06	2.23E-05	1.96E-06	6.82E-07	3.91E-06	4.66E-07	6.20E-07	2.05E-06	1.41E-07
1339	470926.89	3818570.16	7.17E-06	3.01E-05	2.71E-06	5.97E-06	2.21E-05	1.95E-06	6.77E-07	3.88E-06	4.63E-07	6.16E-07	2.03E-06	1.40E-07
1340	470935.68	3818573.93	7.13E-06	2.99E-05	2.70E-06	5.94E-06	2.20E-05	1.94E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07

1341	470944.46	3818577.7	7.09E-06	2.98E-05	2.68E-06	5.90E-06	2.19E-05	1.92E-06	6.69E-07	3.83E-06	4.57E-07	6.08E-07	2.01E-06	1.38E-07
1342	470956.82	3818590.34	7.13E-06	2.99E-05	2.70E-06	5.94E-06	2.20E-05	1.94E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
1343	470960.39	3818599.21	7.21E-06	3.03E-05	2.73E-06	6.01E-06	2.23E-05	1.96E-06	6.81E-07	3.90E-06	4.65E-07	6.19E-07	2.04E-06	1.41E-07
1344	470963.96	3818608.08	7.30E-06	3.07E-05	2.76E-06	6.08E-06	2.25E-05	1.98E-06	6.90E-07	3.95E-06	4.71E-07	6.27E-07	2.07E-06	1.42E-07
1345	470967.53	3818616.95	7.40E-06	3.11E-05	2.80E-06	6.16E-06	2.28E-05	2.01E-06	6.99E-07	4.00E-06	4.77E-07	6.35E-07	2.09E-06	1.44E-07
1346	470971.1	3818625.82	7.49E-06	3.15E-05	2.83E-06	6.24E-06	2.31E-05	2.03E-06	7.08E-07	4.05E-06	4.83E-07	6.43E-07	2.12E-06	1.46E-07
1347	470974.67	3818634.69	7.61E-06	3.19E-05	2.88E-06	6.33E-06	2.35E-05	2.06E-06	7.18E-07	4.11E-06	4.91E-07	6.53E-07	2.15E-06	1.48E-07
1348	470978.24	3818643.55	7.72E-06	3.24E-05	2.92E-06	6.43E-06	2.38E-05	2.09E-06	7.29E-07	4.17E-06	4.98E-07	6.62E-07	2.18E-06	1.51E-07
1349	470981.81	3818652.42	7.84E-06	3.29E-05	2.96E-06	6.53E-06	2.42E-05	2.13E-06	7.40E-07	4.24E-06	5.05E-07	6.73E-07	2.22E-06	1.53E-07
1350	470985.38	3818661.29	7.96E-06	3.34E-05	3.01E-06	6.63E-06	2.46E-05	2.16E-06	7.52E-07	4.30E-06	5.14E-07	6.83E-07	2.25E-06	1.55E-07
1351	470988.95	3818670.16	8.09E-06	3.40E-05	3.06E-06	6.74E-06	2.50E-05	2.20E-06	7.64E-07	4.37E-06	5.22E-07	6.95E-07	2.29E-06	1.58E-07
1352	470992.52	3818679.03	8.23E-06	3.46E-05	3.11E-06	6.86E-06	2.54E-05	2.23E-06	7.77E-07	4.45E-06	5.31E-07	7.07E-07	2.33E-06	1.61E-07
1353	470996.09	3818687.9	8.38E-06	3.52E-05	3.17E-06	6.98E-06	2.58E-05	2.27E-06	7.91E-07	4.53E-06	5.40E-07	7.19E-07	2.37E-06	1.63E-07
1354	470999.67	3818696.77	8.53E-06	3.58E-05	3.23E-06	7.10E-06	2.63E-05	2.32E-06	8.05E-07	4.61E-06	5.50E-07	7.32E-07	2.41E-06	1.66E-07
1355	471003.24	3818705.64	8.69E-06	3.65E-05	3.29E-06	7.24E-06	2.68E-05	2.36E-06	8.20E-07	4.70E-06	5.60E-07	7.46E-07	2.46E-06	1.70E-07
1356	471006.81	3818714.5	8.85E-06	3.72E-05	3.35E-06	7.37E-06	2.73E-05	2.40E-06	8.36E-07	4.79E-06	5.71E-07	7.60E-07	2.51E-06	1.73E-07
1357	471010.38	3818723.37	9.02E-06	3.79E-05	3.41E-06	7.52E-06	2.78E-05	2.45E-06	8.52E-07	4.88E-06	5.82E-07	7.75E-07	2.55E-06	1.76E-07
1358	471013.95	3818732.24	9.21E-06	3.87E-05	3.48E-06	7.67E-06	2.84E-05	2.50E-06	8.69E-07	4.98E-06	5.94E-07	7.90E-07	2.61E-06	1.80E-07
1359	471017.52	3818741.11	9.40E-06	3.95E-05	3.55E-06	7.83E-06	2.90E-05	2.55E-06	8.87E-07	5.08E-06	6.06E-07	8.07E-07	2.66E-06	1.83E-07
1360	471021.09	3818749.98	9.59E-06	4.03E-05	3.63E-06	7.99E-06	2.96E-05	2.60E-06	9.06E-07	5.19E-06	6.19E-07	8.23E-07	2.72E-06	1.87E-07
1361	471024.66	3818758.85	9.79E-06	4.11E-05	3.70E-06	8.15E-06	3.02E-05	2.66E-06	9.24E-07	5.29E-06	6.31E-07	8.40E-07	2.77E-06	1.91E-07
1362	471028.23	3818767.72	1.00E-05	4.20E-05	3.78E-06	8.33E-06	3.08E-05	2.71E-06	9.44E-07	5.40E-06	6.45E-07	8.58E-07	2.83E-06	1.95E-07
1363	471031.8	3818776.59	1.02E-05	4.29E-05	3.86E-06	8.51E-06	3.15E-05	2.77E-06	9.64E-07	5.52E-06	6.59E-07	8.77E-07	2.89E-06	1.99E-07
1364	471035.37	3818785.45	1.04E-05	4.38E-05	3.94E-06	8.69E-06	3.22E-05	2.83E-06	9.85E-07	5.64E-06	6.73E-07	8.95E-07	2.95E-06	2.04E-07
1365	471038.94	3818794.32	1.07E-05	4.48E-05	4.03E-06	8.88E-06	3.29E-05	2.89E-06	1.01E-06	5.76E-06	6.88E-07	9.15E-07	3.02E-06	2.08E-07
1366	471042.51	3818803.19	1.09E-05	4.57E-05	4.12E-06	9.07E-06	3.36E-05	2.96E-06	1.03E-06	5.89E-06	7.02E-07	9.35E-07	3.08E-06	2.13E-07
1367	471046.08	3818812.06	1.11E-05	4.67E-05	4.21E-06	9.27E-06	3.44E-05	3.02E-06	1.05E-06	6.02E-06	7.18E-07	9.56E-07	3.15E-06	2.17E-07
1368	471049.65	3818820.93	1.14E-05	4.78E-05	4.30E-06	9.48E-06	3.51E-05	3.09E-06	1.07E-06	6.15E-06	7.34E-07	9.77E-07	3.22E-06	2.22E-07
1369	471053.22	3818829.8	1.16E-05	4.88E-05	4.40E-06	9.68E-06	3.59E-05	3.16E-06	1.10E-06	6.29E-06	7.50E-07	9.98E-07	3.29E-06	2.27E-07
1370	471056.79	3818838.67	1.19E-05	4.99E-05	4.50E-06	9.91E-06	3.67E-05	3.23E-06	1.12E-06	6.43E-06	7.67E-07	1.02E-06	3.37E-06	2.32E-07
1371	471060.36	3818847.54	1.22E-05	5.11E-05	4.60E-06	1.01E-05	3.75E-05	3.30E-06	1.15E-06	6.58E-06	7.85E-07	1.04E-06	3.44E-06	2.37E-07
1372	471063.93	3818856.4	1.24E-05	5.23E-05	4.71E-06	1.04E-05	3.84E-05	3.38E-06	1.18E-06	6.73E-06	8.03E-07	1.07E-06	3.52E-06	2.43E-07
1373	471067.5	3818865.27	1.27E-05	5.35E-05	4.82E-06	1.06E-05	3.93E-05	3.46E-06	1.20E-06	6.89E-06	8.22E-07	1.09E-06	3.61E-06	2.49E-07
1374	471071.07	3818874.14	1.30E-05	5.48E-05	4.93E-06	1.09E-05	4.02E-05	3.54E-06	1.23E-06	7.05E-06	8.41E-07	1.12E-06	3.69E-06	2.54E-07
1375	471074.65	3818883.01	1.34E-05	5.61E-05	5.05E-06	1.11E-05	4.12E-05	3.63E-06	1.26E-06	7.22E-06	8.61E-07	1.15E-06	3.78E-06	2.61E-07
1376	471078.22	3818891.88	1.37E-05	5.74E-05	5.17E-06	1.14E-05	4.22E-05	3.71E-06	1.29E-06	7.39E-06	8.82E-07	1.17E-06	3.87E-06	2.67E-07
1377	471081.79	3818900.75	1.40E-05	5.88E-05	5.29E-06	1.17E-05	4.32E-05	3.80E-06	1.32E-06	7.57E-06	9.03E-07	1.20E-06	3.96E-06	2.73E-07
1378	471085.36	3818909.62	1.43E-05	6.02E-05	5.42E-06	1.19E-05	4.42E-05	3.89E-06	1.35E-06	7.74E-06	9.24E-07	1.23E-06	4.06E-06	2.80E-07
1379	471088.93	3818918.49	1.47E-05	6.16E-05	5.55E-06	1.22E-05	4.52E-05	3.98E-06	1.38E-06	7.93E-06	9.46E-07	1.26E-06	4.15E-06	2.86E-07
1380	471092.5	3818927.35	1.50E-05	6.30E-05	5.68E-06	1.25E-05	4.63E-05	4.07E-06	1.42E-06	8.11E-06	9.68E-07	1.29E-06	4.25E-06	2.93E-07
1381	471096.07	3818936.22	1.54E-05	6.45E-05	5.81E-06	1.28E-05	4.74E-05	4.17E-06	1.45E-06	8.30E-06	9.91E-07	1.32E-06	4.35E-06	3.00E-07
1382	471106.78	3818962.83	1.65E-05	6.91E-05	6.22E-06	1.37E-05	5.08E-05	4.47E-06	1.55E-06	8.90E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07

1383	471110.35	3818971.7	1.68E-05	7.07E-05	6.37E-06	1.40E-05	5.19E-05	4.57E-06	1.59E-06	9.10E-06	1.09E-06	1.44E-06	4.76E-06	3.28E-07
1384	471113.92	3818980.57	1.72E-05	7.23E-05	6.51E-06	1.43E-05	5.31E-05	4.68E-06	1.63E-06	9.31E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
1385	471117.49	3818989.44	1.76E-05	7.40E-05	6.66E-06	1.47E-05	5.43E-05	4.78E-06	1.66E-06	9.52E-06	1.14E-06	1.51E-06	4.99E-06	3.44E-07
1386	471121.06	3818998.3	1.80E-05	7.56E-05	6.81E-06	1.50E-05	5.56E-05	4.89E-06	1.70E-06	9.74E-06	1.16E-06	1.55E-06	5.10E-06	3.51E-07
1387	471124.63	3819007.17	1.84E-05	7.73E-05	6.96E-06	1.53E-05	5.68E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
1388	471128.2	3819016.04	1.88E-05	7.90E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.62E-06	5.33E-06	3.67E-07
1389	471131.77	3819024.91	1.92E-05	8.07E-05	7.27E-06	1.60E-05	5.93E-05	5.22E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.44E-06	3.75E-07
1390	471135.34	3819033.78	1.96E-05	8.25E-05	7.43E-06	1.64E-05	6.06E-05	5.33E-06	1.85E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.83E-07
1391	471138.91	3819042.65	2.01E-05	8.42E-05	7.58E-06	1.67E-05	6.19E-05	5.44E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.68E-06	3.91E-07
1392	471142.48	3819051.52	2.05E-05	8.59E-05	7.74E-06	1.70E-05	6.31E-05	5.56E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.79E-06	3.99E-07
1393	471146.06	3819060.39	2.09E-05	8.77E-05	7.89E-06	1.74E-05	6.44E-05	5.67E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.07E-07
1394	471149.63	3819069.25	2.13E-05	8.94E-05	8.05E-06	1.77E-05	6.57E-05	5.78E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.02E-06	4.15E-07
1395	471153.2	3819078.12	2.17E-05	9.11E-05	8.20E-06	1.81E-05	6.69E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.23E-07
1396	471156.77	3819086.99	2.21E-05	9.28E-05	8.35E-06	1.84E-05	6.82E-05	6.00E-06	2.09E-06	1.19E-05	1.42E-06	1.90E-06	6.25E-06	4.31E-07
1397	471160.34	3819095.86	2.25E-05	9.44E-05	8.51E-06	1.87E-05	6.94E-05	6.11E-06	2.12E-06	1.22E-05	1.45E-06	1.93E-06	6.37E-06	4.39E-07
1398	471163.91	3819104.73	2.29E-05	9.61E-05	8.65E-06	1.91E-05	7.06E-05	6.21E-06	2.16E-06	1.24E-05	1.48E-06	1.96E-06	6.48E-06	4.47E-07
1399	471167.48	3819113.6	2.33E-05	9.77E-05	8.80E-06	1.94E-05	7.18E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.54E-07
1400	471171.05	3819122.47	2.37E-05	9.93E-05	8.95E-06	1.97E-05	7.30E-05	6.42E-06	2.23E-06	1.28E-05	1.53E-06	2.03E-06	6.70E-06	4.62E-07
1401	471174.62	3819131.34	2.40E-05	1.01E-04	9.09E-06	2.00E-05	7.42E-05	6.52E-06	2.27E-06	1.30E-05	1.55E-06	2.06E-06	6.80E-06	4.69E-07
1402	471185.33	3819157.94	2.51E-05	1.05E-04	9.49E-06	2.09E-05	7.75E-05	6.81E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.90E-07
1403	471188.9	3819166.81	2.54E-05	1.07E-04	9.62E-06	2.12E-05	7.85E-05	6.90E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.20E-06	4.96E-07
1404	471192.47	3819175.68	2.58E-05	1.08E-04	9.74E-06	2.15E-05	7.95E-05	6.99E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.29E-06	5.03E-07
1405	471196.04	3819184.55	2.61E-05	1.09E-04	9.86E-06	2.17E-05	8.04E-05	7.08E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.38E-06	5.09E-07
1406	471199.61	3819193.42	2.64E-05	1.11E-04	9.97E-06	2.20E-05	8.14E-05	7.16E-06	2.49E-06	1.43E-05	1.70E-06	2.26E-06	7.46E-06	5.14E-07
1407	471203.18	3819202.29	2.66E-05	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
1408	471206.75	3819211.15	2.69E-05	1.13E-04	1.02E-05	2.24E-05	8.30E-05	7.30E-06	2.54E-06	1.45E-05	1.74E-06	2.31E-06	7.62E-06	5.25E-07
1409	471210.32	3819220.02	2.72E-05	1.14E-04	1.03E-05	2.26E-05	8.38E-05	7.37E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.69E-06	5.30E-07
1410	471213.89	3819228.89	2.74E-05	1.15E-04	1.04E-05	2.28E-05	8.45E-05	7.44E-06	2.59E-06	1.48E-05	1.77E-06	2.35E-06	7.75E-06	5.35E-07
1411	471217.46	3819237.76	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.52E-05	7.50E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.82E-06	5.39E-07
1412	470284.78	3818298.53	1.61E-05	6.75E-05	6.08E-06	1.34E-05	4.96E-05	4.36E-06	1.52E-06	8.69E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
1413	470275.22	3818298.39	1.63E-05	6.84E-05	6.16E-06	1.36E-05	5.03E-05	4.42E-06	1.54E-06	8.81E-06	1.05E-06	1.40E-06	4.61E-06	3.18E-07
1414	470265.65	3818298.26	1.65E-05	6.93E-05	6.24E-06	1.37E-05	5.09E-05	4.48E-06	1.56E-06	8.92E-06	1.06E-06	1.42E-06	4.67E-06	3.22E-07
1415	470256.09	3818298.12	1.67E-05	7.01E-05	6.32E-06	1.39E-05	5.15E-05	4.53E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
1416	470246.53	3818297.99	1.69E-05	7.09E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
1417	470236.97	3818297.85	1.70E-05	7.16E-05	6.44E-06	1.42E-05	5.26E-05	4.63E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
1418	470227.4	3818297.72	1.72E-05	7.22E-05	6.50E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.29E-06	1.11E-06	1.48E-06	4.87E-06	3.35E-07
1419	470217.84	3818297.58	1.73E-05	7.28E-05	6.56E-06	1.44E-05	5.35E-05	4.71E-06	1.64E-06	9.38E-06	1.12E-06	1.49E-06	4.91E-06	3.38E-07
1420	470208.28	3818297.45	1.75E-05	7.35E-05	6.62E-06	1.46E-05	5.40E-05	4.75E-06	1.65E-06	9.46E-06	1.13E-06	1.50E-06	4.95E-06	3.41E-07
1421	470198.72	3818297.31	1.76E-05	7.40E-05	6.66E-06	1.47E-05	5.43E-05	4.78E-06	1.66E-06	9.52E-06	1.14E-06	1.51E-06	4.99E-06	3.44E-07
1422	470189.16	3818297.18	1.77E-05	7.43E-05	6.70E-06	1.47E-05	5.46E-05	4.81E-06	1.67E-06	9.57E-06	1.14E-06	1.52E-06	5.01E-06	3.45E-07
1423	470179.59	3818297.04	1.78E-05	7.47E-05	6.72E-06	1.48E-05	5.49E-05	4.83E-06	1.68E-06	9.61E-06	1.15E-06	1.53E-06	5.03E-06	3.47E-07
1424	470170.03	3818296.91	1.78E-05	7.49E-05	6.75E-06	1.49E-05	5.50E-05	4.84E-06	1.68E-06	9.64E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07

1425	470160.47	3818296.77	1.84E-05	7.72E-05	6.95E-06	1.53E-05	5.67E-05	4.99E-06	1.74E-06	9.93E-06	1.19E-06	1.58E-06	5.20E-06	3.59E-07
1426	470150.91	3818296.64	1.84E-05	7.74E-05	6.97E-06	1.54E-05	5.69E-05	5.01E-06	1.74E-06	9.97E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
1427	470141.34	3818296.5	1.85E-05	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.01E-06	1.74E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.60E-07
1428	470131.78	3818296.37	1.85E-05	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.02E-06	1.75E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.61E-07
1429	470122.22	3818296.23	1.85E-05	7.75E-05	6.98E-06	1.54E-05	5.70E-05	5.01E-06	1.74E-06	9.98E-06	1.19E-06	1.58E-06	5.23E-06	3.60E-07
1430	470757.59	3818417.02	8.02E-06	3.37E-05	3.03E-06	6.68E-06	2.48E-05	2.18E-06	7.58E-07	4.34E-06	5.18E-07	6.89E-07	2.27E-06	1.57E-07
1431	470766.31	3818420.76	7.92E-06	3.33E-05	3.00E-06	6.60E-06	2.44E-05	2.15E-06	7.48E-07	4.28E-06	5.11E-07	6.80E-07	2.24E-06	1.55E-07
1432	470775.03	3818424.5	7.82E-06	3.28E-05	2.96E-06	6.52E-06	2.41E-05	2.12E-06	7.39E-07	4.23E-06	5.05E-07	6.71E-07	2.21E-06	1.53E-07
1433	470783.75	3818428.25	7.72E-06	3.24E-05	2.92E-06	6.43E-06	2.38E-05	2.10E-06	7.29E-07	4.17E-06	4.98E-07	6.63E-07	2.19E-06	1.51E-07
1434	470792.47	3818431.99	7.62E-06	3.20E-05	2.88E-06	6.35E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.91E-07	6.54E-07	2.16E-06	1.49E-07
1435	470801.19	3818435.73	7.52E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.10E-07	4.07E-06	4.85E-07	6.46E-07	2.13E-06	1.47E-07
1436	470809.91	3818439.47	7.43E-06	3.12E-05	2.81E-06	6.19E-06	2.29E-05	2.02E-06	7.01E-07	4.02E-06	4.79E-07	6.38E-07	2.10E-06	1.45E-07
1437	470818.63	3818443.22	7.34E-06	3.08E-05	2.77E-06	6.11E-06	2.26E-05	1.99E-06	6.93E-07	3.97E-06	4.73E-07	6.30E-07	2.08E-06	1.43E-07
1438	470827.35	3818446.96	7.24E-06	3.04E-05	2.74E-06	6.03E-06	2.24E-05	1.97E-06	6.84E-07	3.92E-06	4.67E-07	6.22E-07	2.05E-06	1.41E-07
1439	470836.07	3818450.7	7.15E-06	3.00E-05	2.71E-06	5.96E-06	2.21E-05	1.94E-06	6.75E-07	3.87E-06	4.61E-07	6.14E-07	2.02E-06	1.40E-07
1440	470844.79	3818454.44	7.07E-06	2.97E-05	2.67E-06	5.89E-06	2.18E-05	1.92E-06	6.67E-07	3.82E-06	4.56E-07	6.07E-07	2.00E-06	1.38E-07
1441	470853.51	3818458.19	6.98E-06	2.93E-05	2.64E-06	5.81E-06	2.15E-05	1.89E-06	6.59E-07	3.77E-06	4.50E-07	5.99E-07	1.98E-06	1.36E-07
1442	470862.23	3818461.93	6.90E-06	2.90E-05	2.61E-06	5.75E-06	2.13E-05	1.87E-06	6.51E-07	3.73E-06	4.45E-07	5.92E-07	1.95E-06	1.35E-07
1443	470870.95	3818465.67	6.82E-06	2.86E-05	2.58E-06	5.68E-06	2.10E-05	1.85E-06	6.44E-07	3.69E-06	4.40E-07	5.85E-07	1.93E-06	1.33E-07
1444	470914.54	3818484.38	6.46E-06	2.71E-05	2.44E-06	5.38E-06	1.99E-05	1.75E-06	6.10E-07	3.49E-06	4.17E-07	5.55E-07	1.83E-06	1.26E-07
1445	470923.26	3818488.13	6.40E-06	2.69E-05	2.42E-06	5.33E-06	1.97E-05	1.74E-06	6.04E-07	3.46E-06	4.13E-07	5.49E-07	1.81E-06	1.25E-07
1446	470931.98	3818491.87	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.99E-07	3.43E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
1447	470940.7	3818495.61	6.29E-06	2.64E-05	2.38E-06	5.24E-06	1.94E-05	1.71E-06	5.94E-07	3.40E-06	4.06E-07	5.40E-07	1.78E-06	1.23E-07
1448	470949.42	3818499.35	6.23E-06	2.62E-05	2.36E-06	5.19E-06	1.92E-05	1.69E-06	5.89E-07	3.37E-06	4.02E-07	5.35E-07	1.76E-06	1.22E-07
1449	470958.14	3818503.1	6.19E-06	2.60E-05	2.34E-06	5.15E-06	1.91E-05	1.68E-06	5.84E-07	3.34E-06	3.99E-07	5.31E-07	1.75E-06	1.21E-07
1450	470966.86	3818506.84	6.14E-06	2.58E-05	2.32E-06	5.11E-06	1.89E-05	1.67E-06	5.80E-07	3.32E-06	3.96E-07	5.27E-07	1.74E-06	1.20E-07
1451	470975.58	3818510.58	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.66E-06	5.76E-07	3.30E-06	3.93E-07	5.24E-07	1.73E-06	1.19E-07
1452	470984.3	3818514.32	6.06E-06	2.55E-05	2.29E-06	5.05E-06	1.87E-05	1.65E-06	5.72E-07	3.28E-06	3.91E-07	5.20E-07	1.72E-06	1.18E-07
1453	470993.02	3818518.07	6.02E-06	2.53E-05	2.28E-06	5.02E-06	1.86E-05	1.63E-06	5.69E-07	3.26E-06	3.88E-07	5.17E-07	1.70E-06	1.18E-07
1454	471001.74	3818521.81	5.99E-06	2.52E-05	2.27E-06	4.99E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
1455	471014	3818534.35	6.02E-06	2.53E-05	2.28E-06	5.02E-06	1.86E-05	1.63E-06	5.69E-07	3.26E-06	3.88E-07	5.17E-07	1.70E-06	1.18E-07
1456	471017.54	3818543.15	6.09E-06	2.56E-05	2.30E-06	5.07E-06	1.88E-05	1.65E-06	5.75E-07	3.29E-06	3.93E-07	5.23E-07	1.72E-06	1.19E-07
1457	471021.09	3818551.96	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.81E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
1458	471024.63	3818560.76	6.23E-06	2.62E-05	2.36E-06	5.19E-06	1.92E-05	1.69E-06	5.88E-07	3.37E-06	4.02E-07	5.35E-07	1.76E-06	1.22E-07
1459	471028.17	3818569.56	6.31E-06	2.65E-05	2.39E-06	5.26E-06	1.95E-05	1.71E-06	5.96E-07	3.41E-06	4.07E-07	5.42E-07	1.79E-06	1.23E-07
1460	471031.72	3818578.36	6.39E-06	2.68E-05	2.42E-06	5.33E-06	1.97E-05	1.74E-06	6.04E-07	3.46E-06	4.12E-07	5.49E-07	1.81E-06	1.25E-07
1461	471035.26	3818587.16	6.48E-06	2.72E-05	2.45E-06	5.40E-06	2.00E-05	1.76E-06	6.12E-07	3.50E-06	4.18E-07	5.56E-07	1.83E-06	1.26E-07
1462	471038.8	3818595.97	6.57E-06	2.76E-05	2.48E-06	5.47E-06	2.03E-05	1.78E-06	6.20E-07	3.55E-06	4.24E-07	5.64E-07	1.86E-06	1.28E-07
1463	471042.35	3818604.77	6.66E-06	2.80E-05	2.52E-06	5.55E-06	2.06E-05	1.81E-06	6.29E-07	3.60E-06	4.30E-07	5.72E-07	1.89E-06	1.30E-07
1464	471045.89	3818613.57	6.76E-06	2.84E-05	2.56E-06	5.63E-06	2.09E-05	1.84E-06	6.39E-07	3.66E-06	4.36E-07	5.81E-07	1.91E-06	1.32E-07
1465	471049.44	3818622.37	6.87E-06	2.88E-05	2.60E-06	5.72E-06	2.12E-05	1.86E-06	6.49E-07	3.71E-06	4.43E-07	5.90E-07	1.94E-06	1.34E-07
1466	471052.98	3818631.17	6.98E-06	2.93E-05	2.64E-06	5.81E-06	2.15E-05	1.89E-06	6.59E-07	3.77E-06	4.50E-07	5.99E-07	1.97E-06	1.36E-07

1467	471056.52	3818639.98	7.09E-06	2.98E-05	2.68E-06	5.91E-06	2.19E-05	1.92E-06	6.70E-07	3.83E-06	4.57E-07	6.09E-07	2.01E-06	1.38E-07
1468	471060.07	3818648.78	7.21E-06	3.03E-05	2.73E-06	6.01E-06	2.23E-05	1.96E-06	6.81E-07	3.90E-06	4.65E-07	6.19E-07	2.04E-06	1.41E-07
1469	471063.61	3818657.58	7.33E-06	3.08E-05	2.77E-06	6.11E-06	2.26E-05	1.99E-06	6.92E-07	3.96E-06	4.73E-07	6.29E-07	2.08E-06	1.43E-07
1470	471067.15	3818666.38	7.46E-06	3.13E-05	2.82E-06	6.21E-06	2.30E-05	2.03E-06	7.05E-07	4.03E-06	4.81E-07	6.41E-07	2.11E-06	1.46E-07
1471	471070.7	3818675.18	7.60E-06	3.19E-05	2.87E-06	6.33E-06	2.34E-05	2.06E-06	7.17E-07	4.11E-06	4.90E-07	6.52E-07	2.15E-06	1.48E-07
1472	471074.24	3818683.99	7.74E-06	3.25E-05	2.93E-06	6.44E-06	2.39E-05	2.10E-06	7.30E-07	4.18E-06	4.99E-07	6.64E-07	2.19E-06	1.51E-07
1473	471077.78	3818692.79	7.88E-06	3.31E-05	2.98E-06	6.56E-06	2.43E-05	2.14E-06	7.44E-07	4.26E-06	5.08E-07	6.76E-07	2.23E-06	1.54E-07
1474	471081.33	3818701.59	8.03E-06	3.37E-05	3.04E-06	6.69E-06	2.48E-05	2.18E-06	7.58E-07	4.34E-06	5.18E-07	6.89E-07	2.27E-06	1.57E-07
1475	471084.87	3818710.39	8.18E-06	3.44E-05	3.09E-06	6.82E-06	2.53E-05	2.22E-06	7.73E-07	4.42E-06	5.28E-07	7.02E-07	2.32E-06	1.60E-07
1476	471088.42	3818719.19	8.34E-06	3.50E-05	3.15E-06	6.95E-06	2.57E-05	2.26E-06	7.88E-07	4.51E-06	5.38E-07	7.16E-07	2.36E-06	1.63E-07
1477	471091.96	3818728	8.51E-06	3.57E-05	3.22E-06	7.08E-06	2.62E-05	2.31E-06	8.03E-07	4.60E-06	5.49E-07	7.30E-07	2.41E-06	1.66E-07
1478	471095.5	3818736.8	8.68E-06	3.64E-05	3.28E-06	7.23E-06	2.68E-05	2.36E-06	8.20E-07	4.69E-06	5.60E-07	7.45E-07	2.46E-06	1.69E-07
1479	471099.05	3818745.6	8.85E-06	3.72E-05	3.35E-06	7.37E-06	2.73E-05	2.40E-06	8.36E-07	4.79E-06	5.71E-07	7.60E-07	2.51E-06	1.73E-07
1480	471102.59	3818754.4	9.03E-06	3.79E-05	3.41E-06	7.52E-06	2.79E-05	2.45E-06	8.53E-07	4.88E-06	5.82E-07	7.75E-07	2.56E-06	1.76E-07
1481	471106.13	3818763.2	9.22E-06	3.87E-05	3.49E-06	7.68E-06	2.84E-05	2.50E-06	8.70E-07	4.98E-06	5.95E-07	7.91E-07	2.61E-06	1.80E-07
1482	471109.68	3818772.01	9.41E-06	3.95E-05	3.56E-06	7.84E-06	2.90E-05	2.55E-06	8.89E-07	5.09E-06	6.07E-07	8.08E-07	2.66E-06	1.84E-07
1483	471113.22	3818780.81	9.60E-06	4.03E-05	3.63E-06	8.00E-06	2.96E-05	2.61E-06	9.07E-07	5.19E-06	6.19E-07	8.24E-07	2.72E-06	1.87E-07
1484	471138.03	3818842.42	1.11E-05	4.67E-05	4.21E-06	9.27E-06	3.44E-05	3.02E-06	1.05E-06	6.02E-06	7.18E-07	9.56E-07	3.15E-06	2.17E-07
1485	471141.57	3818851.22	1.14E-05	4.78E-05	4.30E-06	9.47E-06	3.51E-05	3.09E-06	1.07E-06	6.15E-06	7.34E-07	9.76E-07	3.22E-06	2.22E-07
1486	471145.11	3818860.03	1.16E-05	4.88E-05	4.40E-06	9.68E-06	3.59E-05	3.15E-06	1.10E-06	6.28E-06	7.50E-07	9.98E-07	3.29E-06	2.27E-07
1487	471148.66	3818868.83	1.19E-05	4.99E-05	4.49E-06	9.89E-06	3.66E-05	3.22E-06	1.12E-06	6.42E-06	7.66E-07	1.02E-06	3.36E-06	2.32E-07
1488	471152.2	3818877.63	1.21E-05	5.09E-05	4.59E-06	1.01E-05	3.74E-05	3.29E-06	1.15E-06	6.56E-06	7.82E-07	1.04E-06	3.43E-06	2.37E-07
1489	471155.74	3818886.43	1.24E-05	5.20E-05	4.69E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.70E-06	7.99E-07	1.06E-06	3.51E-06	2.42E-07
1490	471159.29	3818895.23	1.27E-05	5.32E-05	4.79E-06	1.05E-05	3.91E-05	3.44E-06	1.20E-06	6.84E-06	8.16E-07	1.09E-06	3.58E-06	2.47E-07
1491	471162.83	3818904.04	1.29E-05	5.43E-05	4.89E-06	1.08E-05	3.99E-05	3.51E-06	1.22E-06	6.99E-06	8.34E-07	1.11E-06	3.66E-06	2.52E-07
1492	471166.37	3818912.84	1.32E-05	5.55E-05	5.00E-06	1.10E-05	4.08E-05	3.59E-06	1.25E-06	7.15E-06	8.53E-07	1.13E-06	3.74E-06	2.58E-07
1493	471169.92	3818921.64	1.35E-05	5.67E-05	5.11E-06	1.13E-05	4.17E-05	3.67E-06	1.28E-06	7.30E-06	8.71E-07	1.16E-06	3.82E-06	2.64E-07
1494	471173.46	3818930.44	1.38E-05	5.80E-05	5.22E-06	1.15E-05	4.26E-05	3.75E-06	1.30E-06	7.46E-06	8.90E-07	1.18E-06	3.91E-06	2.69E-07
1495	471180.55	3818948.05	1.44E-05	6.05E-05	5.45E-06	1.20E-05	4.44E-05	3.91E-06	1.36E-06	7.79E-06	9.29E-07	1.24E-06	4.08E-06	2.81E-07
1496	471184.09	3818956.85	1.47E-05	6.18E-05	5.56E-06	1.22E-05	4.54E-05	3.99E-06	1.39E-06	7.95E-06	9.49E-07	1.26E-06	4.16E-06	2.87E-07
1497	471187.64	3818965.65	1.50E-05	6.31E-05	5.68E-06	1.25E-05	4.64E-05	4.08E-06	1.42E-06	8.12E-06	9.69E-07	1.29E-06	4.25E-06	2.93E-07
1498	471191.18	3818974.45	1.53E-05	6.44E-05	5.80E-06	1.28E-05	4.73E-05	4.16E-06	1.45E-06	8.29E-06	9.90E-07	1.32E-06	4.34E-06	2.99E-07
1499	471194.72	3818983.26	1.57E-05	6.58E-05	5.92E-06	1.30E-05	4.83E-05	4.25E-06	1.48E-06	8.47E-06	1.01E-06	1.34E-06	4.43E-06	3.06E-07
1500	471198.27	3818992.06	1.60E-05	6.72E-05	6.05E-06	1.33E-05	4.93E-05	4.34E-06	1.51E-06	8.64E-06	1.03E-06	1.37E-06	4.53E-06	3.12E-07
1501	471201.81	3819000.86	1.63E-05	6.85E-05	6.17E-06	1.36E-05	5.04E-05	4.43E-06	1.54E-06	8.82E-06	1.05E-06	1.40E-06	4.62E-06	3.18E-07
1502	471205.35	3819009.66	1.66E-05	6.99E-05	6.30E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.00E-06	1.07E-06	1.43E-06	4.71E-06	3.25E-07
1503	471208.9	3819018.46	1.70E-05	7.13E-05	6.42E-06	1.41E-05	5.24E-05	4.61E-06	1.60E-06	9.18E-06	1.10E-06	1.46E-06	4.81E-06	3.31E-07
1504	471212.44	3819027.27	1.73E-05	7.27E-05	6.55E-06	1.44E-05	5.34E-05	4.70E-06	1.64E-06	9.36E-06	1.12E-06	1.49E-06	4.90E-06	3.38E-07
1505	471215.99	3819036.07	1.77E-05	7.41E-05	6.68E-06	1.47E-05	5.45E-05	4.79E-06	1.67E-06	9.54E-06	1.14E-06	1.52E-06	5.00E-06	3.44E-07
1506	471219.53	3819044.87	1.80E-05	7.55E-05	6.80E-06	1.50E-05	5.55E-05	4.88E-06	1.70E-06	9.72E-06	1.16E-06	1.54E-06	5.09E-06	3.51E-07
1507	471223.07	3819053.67	1.83E-05	7.69E-05	6.93E-06	1.53E-05	5.65E-05	4.97E-06	1.73E-06	9.90E-06	1.18E-06	1.57E-06	5.18E-06	3.57E-07
1508	471226.62	3819062.47	1.86E-05	7.83E-05	7.05E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.28E-06	3.64E-07

1509	471230.16	3819071.28	1.90E-05	7.97E-05	7.17E-06	1.58E-05	5.85E-05	5.15E-06	1.79E-06	1.03E-05	1.22E-06	1.63E-06	5.37E-06	3.70E-07
1510	471233.7	3819080.08	1.93E-05	8.10E-05	7.30E-06	1.61E-05	5.95E-05	5.24E-06	1.82E-06	1.04E-05	1.24E-06	1.66E-06	5.46E-06	3.76E-07
1511	471237.25	3819088.88	1.96E-05	8.24E-05	7.42E-06	1.63E-05	6.05E-05	5.33E-06	1.85E-06	1.06E-05	1.27E-06	1.68E-06	5.55E-06	3.83E-07
1512	471240.79	3819097.68	1.99E-05	8.37E-05	7.54E-06	1.66E-05	6.15E-05	5.41E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.64E-06	3.89E-07
1513	471244.33	3819106.48	2.02E-05	8.50E-05	7.66E-06	1.69E-05	6.25E-05	5.50E-06	1.91E-06	1.09E-05	1.31E-06	1.74E-06	5.73E-06	3.95E-07
1514	471247.88	3819115.29	2.05E-05	8.63E-05	7.77E-06	1.71E-05	6.34E-05	5.58E-06	1.94E-06	1.11E-05	1.33E-06	1.76E-06	5.82E-06	4.01E-07
1515	471251.42	3819124.09	2.08E-05	8.76E-05	7.88E-06	1.74E-05	6.43E-05	5.66E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.90E-06	4.07E-07
1516	471262.05	3819150.49	2.17E-05	9.12E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.24E-07
1517	471265.6	3819159.3	2.20E-05	9.23E-05	8.31E-06	1.83E-05	6.78E-05	5.97E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.22E-06	4.29E-07
1518	471269.14	3819168.1	2.22E-05	9.34E-05	8.41E-06	1.85E-05	6.86E-05	6.04E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.29E-06	4.34E-07
1519	471272.68	3819176.9	2.25E-05	9.44E-05	8.50E-06	1.87E-05	6.94E-05	6.10E-06	2.12E-06	1.22E-05	1.45E-06	1.93E-06	6.36E-06	4.39E-07
1520	471276.23	3819185.7	2.27E-05	9.54E-05	8.59E-06	1.89E-05	7.01E-05	6.17E-06	2.15E-06	1.23E-05	1.47E-06	1.95E-06	6.43E-06	4.43E-07
1521	471279.77	3819194.5	2.30E-05	9.64E-05	8.68E-06	1.91E-05	7.08E-05	6.23E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.50E-06	4.48E-07
1522	471283.31	3819203.31	2.32E-05	9.73E-05	8.76E-06	1.93E-05	7.15E-05	6.29E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.56E-06	4.52E-07
1523	471286.86	3819212.11	2.34E-05	9.81E-05	8.84E-06	1.95E-05	7.21E-05	6.34E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.56E-07
1524	471290.4	3819220.91	2.36E-05	9.90E-05	8.91E-06	1.96E-05	7.27E-05	6.40E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.67E-06	4.60E-07
1525	471293.95	3819229.71	2.37E-05	9.97E-05	8.98E-06	1.98E-05	7.33E-05	6.44E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.72E-06	4.63E-07
1526	470266.78	3818218.27	1.42E-05	5.97E-05	5.38E-06	1.18E-05	4.39E-05	3.86E-06	1.34E-06	7.69E-06	9.17E-07	1.22E-06	4.03E-06	2.77E-07
1527	470257.22	3818218.13	1.44E-05	6.04E-05	5.44E-06	1.20E-05	4.44E-05	3.91E-06	1.36E-06	7.78E-06	9.28E-07	1.24E-06	4.07E-06	2.81E-07
1528	470247.66	3818218	1.45E-05	6.11E-05	5.50E-06	1.21E-05	4.49E-05	3.95E-06	1.37E-06	7.86E-06	9.38E-07	1.25E-06	4.12E-06	2.84E-07
1529	470238.1	3818217.86	1.47E-05	6.17E-05	5.56E-06	1.22E-05	4.54E-05	3.99E-06	1.39E-06	7.94E-06	9.48E-07	1.26E-06	4.16E-06	2.87E-07
1530	470228.53	3818217.73	1.48E-05	6.23E-05	5.61E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.02E-06	9.57E-07	1.27E-06	4.20E-06	2.89E-07
1531	470218.97	3818217.59	1.50E-05	6.28E-05	5.66E-06	1.25E-05	4.62E-05	4.06E-06	1.41E-06	8.09E-06	9.65E-07	1.28E-06	4.23E-06	2.92E-07
1532	470209.41	3818217.46	1.51E-05	6.33E-05	5.70E-06	1.26E-05	4.65E-05	4.09E-06	1.42E-06	8.15E-06	9.72E-07	1.29E-06	4.26E-06	2.94E-07
1533	470199.85	3818217.32	1.52E-05	6.37E-05	5.74E-06	1.26E-05	4.68E-05	4.12E-06	1.43E-06	8.20E-06	9.78E-07	1.30E-06	4.29E-06	2.96E-07
1534	470190.28	3818217.19	1.52E-05	6.40E-05	5.77E-06	1.27E-05	4.70E-05	4.14E-06	1.44E-06	8.24E-06	9.83E-07	1.31E-06	4.32E-06	2.97E-07
1535	470180.72	3818217.05	1.53E-05	6.43E-05	5.79E-06	1.28E-05	4.73E-05	4.16E-06	1.45E-06	8.28E-06	9.88E-07	1.31E-06	4.33E-06	2.99E-07
1536	470171.16	3818216.92	1.54E-05	6.45E-05	5.81E-06	1.28E-05	4.74E-05	4.17E-06	1.45E-06	8.31E-06	9.91E-07	1.32E-06	4.35E-06	3.00E-07
1537	470161.6	3818216.78	1.54E-05	6.47E-05	5.83E-06	1.28E-05	4.75E-05	4.18E-06	1.45E-06	8.33E-06	9.94E-07	1.32E-06	4.36E-06	3.01E-07
1538	470152.04	3818216.65	1.54E-05	6.48E-05	5.84E-06	1.29E-05	4.76E-05	4.19E-06	1.46E-06	8.34E-06	9.95E-07	1.32E-06	4.37E-06	3.01E-07
1539	470142.47	3818216.51	1.59E-05	6.67E-05	6.01E-06	1.32E-05	4.90E-05	4.31E-06	1.50E-06	8.59E-06	1.03E-06	1.36E-06	4.50E-06	3.10E-07
1540	470132.91	3818216.38	1.59E-05	6.68E-05	6.02E-06	1.33E-05	4.91E-05	4.32E-06	1.50E-06	8.60E-06	1.03E-06	1.37E-06	4.50E-06	3.10E-07
1541	470123.35	3818216.24	1.59E-05	6.68E-05	6.02E-06	1.33E-05	4.91E-05	4.32E-06	1.50E-06	8.60E-06	1.03E-06	1.37E-06	4.50E-06	3.10E-07
1542	470471.84	3818213.89	1.00E-05	4.21E-05	3.80E-06	8.36E-06	3.10E-05	2.72E-06	9.48E-07	5.42E-06	6.47E-07	8.61E-07	2.84E-06	1.96E-07
1543	470480.6	3818217.66	9.95E-06	4.18E-05	3.76E-06	8.29E-06	3.07E-05	2.70E-06	9.39E-07	5.38E-06	6.42E-07	8.54E-07	2.82E-06	1.94E-07
1544	470489.36	3818221.42	9.87E-06	4.14E-05	3.73E-06	8.22E-06	3.04E-05	2.68E-06	9.32E-07	5.33E-06	6.36E-07	8.47E-07	2.79E-06	1.93E-07
1545	470498.13	3818225.18	9.78E-06	4.11E-05	3.70E-06	8.15E-06	3.02E-05	2.65E-06	9.24E-07	5.29E-06	6.31E-07	8.40E-07	2.77E-06	1.91E-07
1546	470506.89	3818228.94	9.69E-06	4.07E-05	3.66E-06	8.07E-06	2.99E-05	2.63E-06	9.15E-07	5.24E-06	6.25E-07	8.32E-07	2.74E-06	1.89E-07
1547	470515.65	3818232.7	9.60E-06	4.03E-05	3.63E-06	7.99E-06	2.96E-05	2.61E-06	9.06E-07	5.19E-06	6.19E-07	8.24E-07	2.72E-06	1.87E-07
1548	470524.41	3818236.46	9.51E-06	3.99E-05	3.60E-06	7.92E-06	2.93E-05	2.58E-06	8.98E-07	5.14E-06	6.13E-07	8.16E-07	2.69E-06	1.85E-07
1549	470533.17	3818240.22	9.43E-06	3.96E-05	3.57E-06	7.85E-06	2.91E-05	2.56E-06	8.90E-07	5.10E-06	6.08E-07	8.09E-07	2.67E-06	1.84E-07
1550	470541.94	3818243.98	9.35E-06	3.93E-05	3.53E-06	7.79E-06	2.88E-05	2.54E-06	8.83E-07	5.05E-06	6.03E-07	8.02E-07	2.65E-06	1.82E-07

1551	470550.7	3818247.74	9.26E-06	3.89E-05	3.50E-06	7.71E-06	2.86E-05	2.51E-06	8.74E-07	5.01E-06	5.97E-07	7.95E-07	2.62E-06	1.81E-07
1552	470559.46	3818251.5	9.17E-06	3.85E-05	3.47E-06	7.64E-06	2.83E-05	2.49E-06	8.66E-07	4.96E-06	5.92E-07	7.88E-07	2.60E-06	1.79E-07
1553	470568.22	3818255.26	9.09E-06	3.82E-05	3.44E-06	7.57E-06	2.80E-05	2.47E-06	8.58E-07	4.91E-06	5.86E-07	7.80E-07	2.57E-06	1.77E-07
1554	470576.99	3818259.02	9.01E-06	3.78E-05	3.41E-06	7.50E-06	2.78E-05	2.44E-06	8.50E-07	4.87E-06	5.81E-07	7.73E-07	2.55E-06	1.76E-07
1555	470585.75	3818262.78	8.92E-06	3.75E-05	3.37E-06	7.43E-06	2.75E-05	2.42E-06	8.42E-07	4.82E-06	5.75E-07	7.66E-07	2.52E-06	1.74E-07
1556	470594.51	3818266.55	8.84E-06	3.71E-05	3.34E-06	7.36E-06	2.73E-05	2.40E-06	8.34E-07	4.78E-06	5.70E-07	7.59E-07	2.50E-06	1.72E-07
1557	470603.27	3818270.31	8.75E-06	3.67E-05	3.31E-06	7.29E-06	2.70E-05	2.38E-06	8.26E-07	4.73E-06	5.64E-07	7.51E-07	2.48E-06	1.71E-07
1558	470612.03	3818274.07	8.66E-06	3.64E-05	3.28E-06	7.22E-06	2.67E-05	2.35E-06	8.18E-07	4.68E-06	5.59E-07	7.44E-07	2.45E-06	1.69E-07
1559	470620.8	3818277.83	8.58E-06	3.60E-05	3.25E-06	7.15E-06	2.65E-05	2.33E-06	8.10E-07	4.64E-06	5.54E-07	7.37E-07	2.43E-06	1.67E-07
1560	470629.56	3818281.59	8.50E-06	3.57E-05	3.21E-06	7.08E-06	2.62E-05	2.31E-06	8.03E-07	4.60E-06	5.48E-07	7.30E-07	2.41E-06	1.66E-07
1561	470638.32	3818285.35	8.41E-06	3.53E-05	3.18E-06	7.01E-06	2.60E-05	2.28E-06	7.95E-07	4.55E-06	5.43E-07	7.22E-07	2.38E-06	1.64E-07
1562	470647.08	3818289.11	8.33E-06	3.50E-05	3.15E-06	6.94E-06	2.57E-05	2.26E-06	7.87E-07	4.50E-06	5.37E-07	7.15E-07	2.36E-06	1.63E-07
1563	470655.84	3818292.87	8.25E-06	3.46E-05	3.12E-06	6.87E-06	2.55E-05	2.24E-06	7.79E-07	4.46E-06	5.32E-07	7.08E-07	2.34E-06	1.61E-07
1564	470664.61	3818296.63	8.17E-06	3.43E-05	3.09E-06	6.80E-06	2.52E-05	2.22E-06	7.71E-07	4.42E-06	5.27E-07	7.01E-07	2.31E-06	1.59E-07
1565	470673.37	3818300.39	8.09E-06	3.40E-05	3.06E-06	6.74E-06	2.50E-05	2.20E-06	7.64E-07	4.37E-06	5.22E-07	6.94E-07	2.29E-06	1.58E-07
1566	470682.13	3818304.15	8.00E-06	3.36E-05	3.03E-06	6.66E-06	2.47E-05	2.17E-06	7.55E-07	4.32E-06	5.16E-07	6.87E-07	2.26E-06	1.56E-07
1567	470690.89	3818307.91	7.92E-06	3.33E-05	2.99E-06	6.60E-06	2.44E-05	2.15E-06	7.48E-07	4.28E-06	5.11E-07	6.80E-07	2.24E-06	1.55E-07
1568	470699.65	3818311.67	7.84E-06	3.29E-05	2.96E-06	6.53E-06	2.42E-05	2.13E-06	7.40E-07	4.24E-06	5.05E-07	6.73E-07	2.22E-06	1.53E-07
1569	470708.42	3818315.44	7.75E-06	3.25E-05	2.93E-06	6.46E-06	2.39E-05	2.10E-06	7.32E-07	4.19E-06	5.00E-07	6.65E-07	2.19E-06	1.51E-07
1570	470717.18	3818319.2	7.67E-06	3.22E-05	2.90E-06	6.39E-06	2.37E-05	2.08E-06	7.24E-07	4.15E-06	4.95E-07	6.58E-07	2.17E-06	1.50E-07
1571	470725.94	3818322.96	7.59E-06	3.19E-05	2.87E-06	6.32E-06	2.34E-05	2.06E-06	7.16E-07	4.10E-06	4.89E-07	6.51E-07	2.15E-06	1.48E-07
1572	470734.7	3818326.72	7.50E-06	3.15E-05	2.84E-06	6.25E-06	2.31E-05	2.04E-06	7.08E-07	4.05E-06	4.84E-07	6.44E-07	2.12E-06	1.46E-07
1573	470743.46	3818330.48	7.42E-06	3.12E-05	2.81E-06	6.18E-06	2.29E-05	2.01E-06	7.00E-07	4.01E-06	4.78E-07	6.37E-07	2.10E-06	1.45E-07
1574	470752.23	3818334.24	7.34E-06	3.08E-05	2.77E-06	6.11E-06	2.26E-05	1.99E-06	6.93E-07	3.97E-06	4.73E-07	6.30E-07	2.08E-06	1.43E-07
1575	470760.99	3818338	7.25E-06	3.04E-05	2.74E-06	6.04E-06	2.24E-05	1.97E-06	6.85E-07	3.92E-06	4.68E-07	6.22E-07	2.05E-06	1.41E-07
1576	470769.75	3818341.76	7.17E-06	3.01E-05	2.71E-06	5.97E-06	2.21E-05	1.95E-06	6.77E-07	3.87E-06	4.62E-07	6.15E-07	2.03E-06	1.40E-07
1577	470778.51	3818345.52	7.09E-06	2.98E-05	2.68E-06	5.90E-06	2.19E-05	1.92E-06	6.69E-07	3.83E-06	4.57E-07	6.08E-07	2.01E-06	1.38E-07
1578	470787.28	3818349.28	7.00E-06	2.94E-05	2.65E-06	5.83E-06	2.16E-05	1.90E-06	6.61E-07	3.78E-06	4.51E-07	6.01E-07	1.98E-06	1.37E-07
1579	470796.04	3818353.04	6.92E-06	2.91E-05	2.62E-06	5.76E-06	2.13E-05	1.88E-06	6.53E-07	3.74E-06	4.46E-07	5.94E-07	1.96E-06	1.35E-07
1580	470804.8	3818356.8	6.84E-06	2.87E-05	2.59E-06	5.69E-06	2.11E-05	1.86E-06	6.46E-07	3.70E-06	4.41E-07	5.87E-07	1.93E-06	1.33E-07
1581	470813.56	3818360.56	6.75E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
1582	470822.32	3818364.33	6.67E-06	2.80E-05	2.52E-06	5.55E-06	2.06E-05	1.81E-06	6.30E-07	3.60E-06	4.30E-07	5.72E-07	1.89E-06	1.30E-07
1583	470831.09	3818368.09	6.59E-06	2.77E-05	2.49E-06	5.49E-06	2.03E-05	1.79E-06	6.22E-07	3.56E-06	4.25E-07	5.65E-07	1.86E-06	1.29E-07
1584	470839.85	3818371.85	6.51E-06	2.73E-05	2.46E-06	5.42E-06	2.01E-05	1.77E-06	6.15E-07	3.52E-06	4.20E-07	5.59E-07	1.84E-06	1.27E-07
1585	470848.61	3818375.61	6.43E-06	2.70E-05	2.43E-06	5.35E-06	1.98E-05	1.74E-06	6.07E-07	3.47E-06	4.15E-07	5.52E-07	1.82E-06	1.25E-07
1586	470857.37	3818379.37	6.35E-06	2.67E-05	2.40E-06	5.29E-06	1.96E-05	1.72E-06	6.00E-07	3.43E-06	4.10E-07	5.45E-07	1.80E-06	1.24E-07
1587	470866.13	3818383.13	6.27E-06	2.63E-05	2.37E-06	5.23E-06	1.94E-05	1.70E-06	5.92E-07	3.39E-06	4.05E-07	5.39E-07	1.78E-06	1.22E-07
1588	470874.9	3818386.89	6.20E-06	2.60E-05	2.34E-06	5.16E-06	1.91E-05	1.68E-06	5.85E-07	3.35E-06	4.00E-07	5.32E-07	1.75E-06	1.21E-07
1589	470883.66	3818390.65	6.12E-06	2.57E-05	2.32E-06	5.10E-06	1.89E-05	1.66E-06	5.78E-07	3.31E-06	3.95E-07	5.26E-07	1.73E-06	1.19E-07
1590	470892.42	3818394.41	6.05E-06	2.54E-05	2.29E-06	5.04E-06	1.87E-05	1.64E-06	5.71E-07	3.27E-06	3.90E-07	5.20E-07	1.71E-06	1.18E-07
1591	470901.18	3818398.17	5.98E-06	2.51E-05	2.26E-06	4.98E-06	1.85E-05	1.62E-06	5.65E-07	3.24E-06	3.86E-07	5.14E-07	1.69E-06	1.17E-07
1592	470909.94	3818401.93	5.92E-06	2.48E-05	2.24E-06	4.93E-06	1.83E-05	1.61E-06	5.59E-07	3.20E-06	3.82E-07	5.08E-07	1.67E-06	1.15E-07

1593	470918.71	3818405.69	5.85E-06	2.46E-05	2.21E-06	4.87E-06	1.81E-05	1.59E-06	5.52E-07	3.16E-06	3.77E-07	5.02E-07	1.66E-06	1.14E-07
1594	470927.47	3818409.45	5.79E-06	2.43E-05	2.19E-06	4.82E-06	1.79E-05	1.57E-06	5.46E-07	3.13E-06	3.73E-07	4.97E-07	1.64E-06	1.13E-07
1595	470936.23	3818413.22	5.72E-06	2.40E-05	2.17E-06	4.77E-06	1.77E-05	1.55E-06	5.41E-07	3.09E-06	3.69E-07	4.91E-07	1.62E-06	1.12E-07
1596	470971.28	3818428.26	5.50E-06	2.31E-05	2.08E-06	4.58E-06	1.70E-05	1.49E-06	5.20E-07	2.98E-06	3.55E-07	4.72E-07	1.56E-06	1.07E-07
1597	470980.04	3818432.02	5.46E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.15E-07	2.95E-06	3.52E-07	4.68E-07	1.54E-06	1.06E-07
1598	470988.8	3818435.78	5.41E-06	2.27E-05	2.04E-06	4.50E-06	1.67E-05	1.47E-06	5.11E-07	2.92E-06	3.49E-07	4.64E-07	1.53E-06	1.06E-07
1599	470997.57	3818439.54	5.36E-06	2.25E-05	2.03E-06	4.47E-06	1.66E-05	1.46E-06	5.07E-07	2.90E-06	3.46E-07	4.60E-07	1.52E-06	1.05E-07
1600	471006.33	3818443.3	5.33E-06	2.24E-05	2.01E-06	4.44E-06	1.64E-05	1.45E-06	5.03E-07	2.88E-06	3.43E-07	4.57E-07	1.51E-06	1.04E-07
1601	471015.09	3818447.06	5.29E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.44E-06	4.99E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
1602	471023.85	3818450.82	5.25E-06	2.20E-05	1.98E-06	4.37E-06	1.62E-05	1.42E-06	4.96E-07	2.84E-06	3.39E-07	4.51E-07	1.49E-06	1.02E-07
1603	471032.61	3818454.58	5.21E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.42E-06	4.92E-07	2.82E-06	3.36E-07	4.48E-07	1.48E-06	1.02E-07
1604	471041.38	3818458.34	5.19E-06	2.18E-05	1.96E-06	4.32E-06	1.60E-05	1.41E-06	4.90E-07	2.80E-06	3.34E-07	4.45E-07	1.47E-06	1.01E-07
1605	471050.14	3818462.11	5.16E-06	2.17E-05	1.95E-06	4.30E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.33E-07	4.43E-07	1.46E-06	1.01E-07
1606	471058.9	3818465.87	5.13E-06	2.15E-05	1.94E-06	4.27E-06	1.58E-05	1.39E-06	4.84E-07	2.77E-06	3.31E-07	4.40E-07	1.45E-06	1.00E-07
1607	471071.22	3818478.47	5.15E-06	2.16E-05	1.95E-06	4.29E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.32E-07	4.42E-07	1.46E-06	1.01E-07
1608	471074.78	3818487.32	5.21E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.41E-06	4.92E-07	2.81E-06	3.36E-07	4.47E-07	1.47E-06	1.02E-07
1609	471078.35	3818496.16	5.26E-06	2.21E-05	1.99E-06	4.38E-06	1.62E-05	1.43E-06	4.97E-07	2.85E-06	3.39E-07	4.52E-07	1.49E-06	1.03E-07
1610	471081.91	3818505.01	5.32E-06	2.23E-05	2.01E-06	4.43E-06	1.64E-05	1.44E-06	5.02E-07	2.88E-06	3.43E-07	4.57E-07	1.51E-06	1.04E-07
1611	471085.47	3818513.85	5.38E-06	2.26E-05	2.04E-06	4.48E-06	1.66E-05	1.46E-06	5.08E-07	2.91E-06	3.47E-07	4.62E-07	1.52E-06	1.05E-07
1612	471089.03	3818522.7	5.45E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.14E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
1613	471092.59	3818531.54	5.52E-06	2.32E-05	2.09E-06	4.60E-06	1.70E-05	1.50E-06	5.21E-07	2.98E-06	3.56E-07	4.74E-07	1.56E-06	1.08E-07
1614	471096.15	3818540.39	5.59E-06	2.35E-05	2.11E-06	4.66E-06	1.72E-05	1.52E-06	5.28E-07	3.02E-06	3.61E-07	4.80E-07	1.58E-06	1.09E-07
1615	471099.71	3818549.23	5.66E-06	2.38E-05	2.14E-06	4.72E-06	1.75E-05	1.54E-06	5.35E-07	3.06E-06	3.65E-07	4.86E-07	1.60E-06	1.10E-07
1616	471103.27	3818558.08	5.74E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.42E-07	3.11E-06	3.70E-07	4.93E-07	1.63E-06	1.12E-07
1617	471106.83	3818566.92	5.83E-06	2.45E-05	2.20E-06	4.85E-06	1.80E-05	1.58E-06	5.50E-07	3.15E-06	3.76E-07	5.00E-07	1.65E-06	1.14E-07
1618	471110.39	3818575.77	5.91E-06	2.48E-05	2.24E-06	4.92E-06	1.82E-05	1.60E-06	5.58E-07	3.20E-06	3.81E-07	5.08E-07	1.67E-06	1.15E-07
1619	471113.95	3818584.61	6.00E-06	2.52E-05	2.27E-06	5.00E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
1620	471117.52	3818593.46	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.65E-06	5.76E-07	3.29E-06	3.93E-07	5.23E-07	1.73E-06	1.19E-07
1621	471121.08	3818602.3	6.19E-06	2.60E-05	2.34E-06	5.16E-06	1.91E-05	1.68E-06	5.85E-07	3.35E-06	3.99E-07	5.31E-07	1.75E-06	1.21E-07
1622	471135.32	3818637.69	6.61E-06	2.78E-05	2.50E-06	5.51E-06	2.04E-05	1.80E-06	6.25E-07	3.58E-06	4.27E-07	5.68E-07	1.87E-06	1.29E-07
1623	471138.88	3818646.53	6.73E-06	2.83E-05	2.55E-06	5.61E-06	2.08E-05	1.83E-06	6.36E-07	3.64E-06	4.34E-07	5.78E-07	1.91E-06	1.31E-07
1624	471142.44	3818655.38	6.85E-06	2.88E-05	2.59E-06	5.71E-06	2.11E-05	1.86E-06	6.47E-07	3.70E-06	4.42E-07	5.88E-07	1.94E-06	1.34E-07
1625	471146	3818664.22	6.97E-06	2.93E-05	2.64E-06	5.81E-06	2.15E-05	1.89E-06	6.58E-07	3.77E-06	4.50E-07	5.98E-07	1.97E-06	1.36E-07
1626	471149.56	3818673.07	7.10E-06	2.98E-05	2.68E-06	5.91E-06	2.19E-05	1.93E-06	6.70E-07	3.84E-06	4.58E-07	6.09E-07	2.01E-06	1.38E-07
1627	471153.13	3818681.91	7.23E-06	3.04E-05	2.73E-06	6.02E-06	2.23E-05	1.96E-06	6.83E-07	3.91E-06	4.66E-07	6.21E-07	2.05E-06	1.41E-07
1628	471156.69	3818690.76	7.37E-06	3.09E-05	2.79E-06	6.13E-06	2.27E-05	2.00E-06	6.95E-07	3.98E-06	4.75E-07	6.32E-07	2.08E-06	1.44E-07
1629	471160.25	3818699.6	7.50E-06	3.15E-05	2.84E-06	6.25E-06	2.31E-05	2.04E-06	7.08E-07	4.05E-06	4.84E-07	6.44E-07	2.12E-06	1.46E-07
1630	471163.81	3818708.45	7.64E-06	3.21E-05	2.89E-06	6.37E-06	2.36E-05	2.08E-06	7.22E-07	4.13E-06	4.93E-07	6.56E-07	2.16E-06	1.49E-07
1631	471167.37	3818717.29	7.79E-06	3.27E-05	2.95E-06	6.49E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.69E-07	2.20E-06	1.52E-07
1632	471170.93	3818726.14	7.94E-06	3.34E-05	3.00E-06	6.62E-06	2.45E-05	2.16E-06	7.50E-07	4.29E-06	5.12E-07	6.82E-07	2.25E-06	1.55E-07
1633	471174.49	3818734.98	8.10E-06	3.40E-05	3.06E-06	6.74E-06	2.50E-05	2.20E-06	7.65E-07	4.38E-06	5.22E-07	6.95E-07	2.29E-06	1.58E-07
1634	471178.05	3818743.83	8.25E-06	3.47E-05	3.12E-06	6.88E-06	2.55E-05	2.24E-06	7.80E-07	4.46E-06	5.32E-07	7.09E-07	2.34E-06	1.61E-07

1635	471181.61	3818752.67	8.42E-06	3.54E-05	3.18E-06	7.01E-06	2.60E-05	2.29E-06	7.95E-07	4.55E-06	5.43E-07	7.23E-07	2.38E-06	1.64E-07
1636	471185.17	3818761.52	8.59E-06	3.61E-05	3.25E-06	7.15E-06	2.65E-05	2.33E-06	8.11E-07	4.64E-06	5.54E-07	7.37E-07	2.43E-06	1.68E-07
1637	471188.74	3818770.36	8.76E-06	3.68E-05	3.31E-06	7.29E-06	2.70E-05	2.38E-06	8.27E-07	4.73E-06	5.65E-07	7.52E-07	2.48E-06	1.71E-07
1638	471192.3	3818779.21	8.93E-06	3.75E-05	3.38E-06	7.44E-06	2.76E-05	2.43E-06	8.44E-07	4.83E-06	5.76E-07	7.67E-07	2.53E-06	1.74E-07
1639	471195.86	3818788.05	9.12E-06	3.83E-05	3.45E-06	7.59E-06	2.81E-05	2.47E-06	8.61E-07	4.93E-06	5.88E-07	7.83E-07	2.58E-06	1.78E-07
1640	471199.42	3818796.9	9.30E-06	3.91E-05	3.52E-06	7.75E-06	2.87E-05	2.52E-06	8.78E-07	5.03E-06	6.00E-07	7.98E-07	2.63E-06	1.81E-07
1641	471202.98	3818805.74	9.49E-06	3.98E-05	3.59E-06	7.90E-06	2.93E-05	2.58E-06	8.96E-07	5.13E-06	6.12E-07	8.14E-07	2.69E-06	1.85E-07
1642	471206.54	3818814.59	9.68E-06	4.06E-05	3.66E-06	8.06E-06	2.99E-05	2.63E-06	9.14E-07	5.23E-06	6.24E-07	8.31E-07	2.74E-06	1.89E-07
1643	471210.1	3818823.43	9.88E-06	4.15E-05	3.74E-06	8.23E-06	3.05E-05	2.68E-06	9.33E-07	5.34E-06	6.37E-07	8.48E-07	2.80E-06	1.93E-07
1644	471213.66	3818832.28	1.01E-05	4.23E-05	3.81E-06	8.39E-06	3.11E-05	2.74E-06	9.52E-07	5.45E-06	6.50E-07	8.65E-07	2.85E-06	1.97E-07
1645	471217.22	3818841.12	1.03E-05	4.32E-05	3.89E-06	8.56E-06	3.17E-05	2.79E-06	9.71E-07	5.56E-06	6.63E-07	8.83E-07	2.91E-06	2.01E-07
1646	471220.78	3818849.97	1.05E-05	4.41E-05	3.97E-06	8.74E-06	3.24E-05	2.85E-06	9.91E-07	5.67E-06	6.77E-07	9.01E-07	2.97E-06	2.05E-07
1647	471224.35	3818858.81	1.07E-05	4.50E-05	4.05E-06	8.92E-06	3.30E-05	2.91E-06	1.01E-06	5.79E-06	6.91E-07	9.19E-07	3.03E-06	2.09E-07
1648	471227.91	3818867.66	1.09E-05	4.59E-05	4.13E-06	9.10E-06	3.37E-05	2.97E-06	1.03E-06	5.91E-06	7.05E-07	9.38E-07	3.09E-06	2.13E-07
1649	471231.47	3818876.5	1.12E-05	4.68E-05	4.22E-06	9.29E-06	3.44E-05	3.03E-06	1.05E-06	6.03E-06	7.20E-07	9.58E-07	3.16E-06	2.18E-07
1650	471235.03	3818885.35	1.14E-05	4.78E-05	4.30E-06	9.48E-06	3.51E-05	3.09E-06	1.07E-06	6.15E-06	7.34E-07	9.77E-07	3.22E-06	2.22E-07
1651	471238.59	3818894.2	1.16E-05	4.88E-05	4.39E-06	9.68E-06	3.58E-05	3.15E-06	1.10E-06	6.28E-06	7.49E-07	9.97E-07	3.29E-06	2.27E-07
1652	471242.15	3818903.04	1.19E-05	4.98E-05	4.48E-06	9.88E-06	3.66E-05	3.22E-06	1.12E-06	6.41E-06	7.65E-07	1.02E-06	3.36E-06	2.31E-07
1653	471245.71	3818911.89	1.21E-05	5.08E-05	4.58E-06	1.01E-05	3.73E-05	3.29E-06	1.14E-06	6.54E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
1654	471249.27	3818920.73	1.23E-05	5.19E-05	4.67E-06	1.03E-05	3.81E-05	3.35E-06	1.17E-06	6.68E-06	7.97E-07	1.06E-06	3.50E-06	2.41E-07
1655	471252.83	3818929.58	1.26E-05	5.29E-05	4.77E-06	1.05E-05	3.89E-05	3.42E-06	1.19E-06	6.81E-06	8.13E-07	1.08E-06	3.57E-06	2.46E-07
1656	471263.52	3818956.11	1.34E-05	5.62E-05	5.06E-06	1.11E-05	4.13E-05	3.63E-06	1.26E-06	7.23E-06	8.63E-07	1.15E-06	3.79E-06	2.61E-07
1657	471267.08	3818964.96	1.37E-05	5.73E-05	5.16E-06	1.14E-05	4.21E-05	3.71E-06	1.29E-06	7.38E-06	8.81E-07	1.17E-06	3.86E-06	2.66E-07
1658	471270.64	3818973.8	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.31E-06	7.53E-06	8.98E-07	1.20E-06	3.94E-06	2.72E-07
1659	471274.2	3818982.65	1.42E-05	5.96E-05	5.37E-06	1.18E-05	4.38E-05	3.85E-06	1.34E-06	7.67E-06	9.16E-07	1.22E-06	4.02E-06	2.77E-07
1660	471277.76	3818991.49	1.45E-05	6.08E-05	5.47E-06	1.21E-05	4.47E-05	3.93E-06	1.37E-06	7.82E-06	9.33E-07	1.24E-06	4.10E-06	2.82E-07
1661	471281.32	3819000.34	1.47E-05	6.19E-05	5.58E-06	1.23E-05	4.55E-05	4.00E-06	1.39E-06	7.97E-06	9.51E-07	1.27E-06	4.17E-06	2.88E-07
1662	471284.88	3819009.18	1.50E-05	6.31E-05	5.68E-06	1.25E-05	4.64E-05	4.08E-06	1.42E-06	8.12E-06	9.69E-07	1.29E-06	4.25E-06	2.93E-07
1663	471288.44	3819018.03	1.53E-05	6.42E-05	5.79E-06	1.27E-05	4.72E-05	4.15E-06	1.44E-06	8.27E-06	9.87E-07	1.31E-06	4.33E-06	2.98E-07
1664	471313.37	3819079.94	1.72E-05	7.23E-05	6.51E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.30E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
1665	471316.93	3819088.79	1.75E-05	7.34E-05	6.61E-06	1.45E-05	5.39E-05	4.74E-06	1.65E-06	9.44E-06	1.13E-06	1.50E-06	4.94E-06	3.41E-07
1666	471320.49	3819097.63	1.77E-05	7.44E-05	6.70E-06	1.48E-05	5.47E-05	4.81E-06	1.67E-06	9.58E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
1667	471324.05	3819106.48	1.80E-05	7.55E-05	6.80E-06	1.50E-05	5.55E-05	4.88E-06	1.70E-06	9.72E-06	1.16E-06	1.54E-06	5.09E-06	3.51E-07
1668	471327.61	3819115.32	1.82E-05	7.65E-05	6.89E-06	1.52E-05	5.62E-05	4.95E-06	1.72E-06	9.85E-06	1.18E-06	1.56E-06	5.16E-06	3.55E-07
1669	471331.18	3819124.17	1.85E-05	7.75E-05	6.98E-06	1.54E-05	5.70E-05	5.01E-06	1.74E-06	9.98E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
1670	471334.74	3819133.01	1.87E-05	7.85E-05	7.07E-06	1.56E-05	5.77E-05	5.07E-06	1.77E-06	1.01E-05	1.21E-06	1.60E-06	5.29E-06	3.65E-07
1671	471341.86	3819150.7	1.91E-05	8.04E-05	7.24E-06	1.59E-05	5.91E-05	5.20E-06	1.81E-06	1.04E-05	1.23E-06	1.64E-06	5.42E-06	3.74E-07
1672	471345.42	3819159.55	1.94E-05	8.13E-05	7.32E-06	1.61E-05	5.98E-05	5.26E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.48E-06	3.78E-07
1673	471348.98	3819168.4	1.96E-05	8.22E-05	7.40E-06	1.63E-05	6.04E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.54E-06	3.82E-07
1674	471352.54	3819177.24	1.98E-05	8.30E-05	7.48E-06	1.65E-05	6.10E-05	5.37E-06	1.87E-06	1.07E-05	1.27E-06	1.70E-06	5.60E-06	3.86E-07
1675	471356.1	3819186.09	2.00E-05	8.38E-05	7.55E-06	1.66E-05	6.16E-05	5.42E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.65E-06	3.89E-07
1676	471359.66	3819194.93	2.01E-05	8.46E-05	7.62E-06	1.68E-05	6.21E-05	5.47E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.70E-06	3.93E-07

1677	471363.22	3819203.78	2.03E-05	8.53E-05	7.68E-06	1.69E-05	6.27E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.75E-06	3.96E-07
1678	471366.79	3819212.62	2.05E-05	8.60E-05	7.74E-06	1.70E-05	6.32E-05	5.56E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.79E-06	3.99E-07
1679	471370.35	3819221.47	2.06E-05	8.66E-05	7.80E-06	1.72E-05	6.36E-05	5.60E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.84E-06	4.02E-07
1680	470248.79	3818138	1.26E-05	5.30E-05	4.77E-06	1.05E-05	3.89E-05	3.43E-06	1.19E-06	6.82E-06	8.14E-07	1.08E-06	3.57E-06	2.46E-07
1681	470239.22	3818137.87	1.27E-05	5.35E-05	4.82E-06	1.06E-05	3.93E-05	3.46E-06	1.20E-06	6.89E-06	8.22E-07	1.09E-06	3.61E-06	2.49E-07
1682	470229.66	3818137.73	1.29E-05	5.40E-05	4.86E-06	1.07E-05	3.97E-05	3.49E-06	1.21E-06	6.95E-06	8.29E-07	1.10E-06	3.64E-06	2.51E-07
1683	470220.1	3818137.6	1.30E-05	5.44E-05	4.90E-06	1.08E-05	4.00E-05	3.52E-06	1.22E-06	7.01E-06	8.36E-07	1.11E-06	3.67E-06	2.53E-07
1684	470210.54	3818137.46	1.31E-05	5.49E-05	4.94E-06	1.09E-05	4.03E-05	3.55E-06	1.23E-06	7.07E-06	8.43E-07	1.12E-06	3.70E-06	2.55E-07
1685	470200.98	3818137.33	1.32E-05	5.53E-05	4.98E-06	1.10E-05	4.06E-05	3.57E-06	1.24E-06	7.12E-06	8.49E-07	1.13E-06	3.73E-06	2.57E-07
1686	470191.41	3818137.19	1.32E-05	5.56E-05	5.01E-06	1.10E-05	4.09E-05	3.60E-06	1.25E-06	7.16E-06	8.55E-07	1.14E-06	3.75E-06	2.59E-07
1687	470181.85	3818137.06	1.33E-05	5.60E-05	5.04E-06	1.11E-05	4.11E-05	3.62E-06	1.26E-06	7.21E-06	8.60E-07	1.14E-06	3.77E-06	2.60E-07
1688	470172.29	3818136.92	1.34E-05	5.62E-05	5.07E-06	1.12E-05	4.13E-05	3.64E-06	1.26E-06	7.24E-06	8.64E-07	1.15E-06	3.79E-06	2.61E-07
1689	470162.73	3818136.79	1.34E-05	5.65E-05	5.09E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.27E-06	8.67E-07	1.15E-06	3.81E-06	2.62E-07
1690	470153.16	3818136.65	1.35E-05	5.66E-05	5.10E-06	1.12E-05	4.16E-05	3.66E-06	1.27E-06	7.29E-06	8.70E-07	1.16E-06	3.82E-06	2.63E-07
1691	470143.6	3818136.52	1.35E-05	5.67E-05	5.11E-06	1.13E-05	4.17E-05	3.67E-06	1.28E-06	7.30E-06	8.71E-07	1.16E-06	3.82E-06	2.64E-07
1692	470134.04	3818136.38	1.35E-05	5.68E-05	5.11E-06	1.13E-05	4.17E-05	3.67E-06	1.28E-06	7.31E-06	8.72E-07	1.16E-06	3.83E-06	2.64E-07
1693	470124.48	3818136.25	1.35E-05	5.67E-05	5.11E-06	1.13E-05	4.17E-05	3.67E-06	1.28E-06	7.30E-06	8.71E-07	1.16E-06	3.82E-06	2.64E-07
1694	470445.74	3818122.22	9.12E-06	3.83E-05	3.45E-06	7.60E-06	2.81E-05	2.48E-06	8.61E-07	4.93E-06	5.88E-07	7.83E-07	2.58E-06	1.78E-07
1695	470454.45	3818125.95	9.03E-06	3.79E-05	3.42E-06	7.53E-06	2.79E-05	2.45E-06	8.53E-07	4.88E-06	5.83E-07	7.76E-07	2.56E-06	1.76E-07
1696	470463.16	3818129.69	8.95E-06	3.76E-05	3.38E-06	7.45E-06	2.76E-05	2.43E-06	8.45E-07	4.84E-06	5.77E-07	7.68E-07	2.53E-06	1.75E-07
1697	470471.86	3818133.43	8.86E-06	3.72E-05	3.35E-06	7.38E-06	2.73E-05	2.41E-06	8.37E-07	4.79E-06	5.72E-07	7.61E-07	2.51E-06	1.73E-07
1698	470480.57	3818137.16	8.78E-06	3.69E-05	3.32E-06	7.32E-06	2.71E-05	2.38E-06	8.29E-07	4.75E-06	5.67E-07	7.54E-07	2.49E-06	1.71E-07
1699	470489.28	3818140.9	8.71E-06	3.66E-05	3.29E-06	7.26E-06	2.69E-05	2.36E-06	8.23E-07	4.71E-06	5.62E-07	7.48E-07	2.47E-06	1.70E-07
1700	470497.98	3818144.64	8.64E-06	3.63E-05	3.27E-06	7.20E-06	2.67E-05	2.35E-06	8.16E-07	4.67E-06	5.58E-07	7.42E-07	2.45E-06	1.69E-07
1701	470506.69	3818148.38	8.56E-06	3.60E-05	3.24E-06	7.13E-06	2.64E-05	2.32E-06	8.09E-07	4.63E-06	5.52E-07	7.35E-07	2.42E-06	1.67E-07
1702	470515.4	3818152.11	8.48E-06	3.56E-05	3.21E-06	7.06E-06	2.62E-05	2.30E-06	8.01E-07	4.58E-06	5.47E-07	7.28E-07	2.40E-06	1.65E-07
1703	470524.1	3818155.85	8.40E-06	3.53E-05	3.18E-06	7.00E-06	2.59E-05	2.28E-06	7.94E-07	4.54E-06	5.42E-07	7.21E-07	2.38E-06	1.64E-07
1704	470532.81	3818159.59	8.34E-06	3.50E-05	3.15E-06	6.94E-06	2.57E-05	2.26E-06	7.87E-07	4.51E-06	5.38E-07	7.16E-07	2.36E-06	1.63E-07
1705	470541.52	3818163.32	8.27E-06	3.47E-05	3.13E-06	6.89E-06	2.55E-05	2.25E-06	7.81E-07	4.47E-06	5.34E-07	7.10E-07	2.34E-06	1.61E-07
1706	470550.22	3818167.06	8.22E-06	3.45E-05	3.11E-06	6.85E-06	2.54E-05	2.23E-06	7.76E-07	4.44E-06	5.30E-07	7.06E-07	2.33E-06	1.60E-07
1707	470558.93	3818170.8	8.16E-06	3.43E-05	3.09E-06	6.80E-06	2.52E-05	2.22E-06	7.71E-07	4.41E-06	5.27E-07	7.01E-07	2.31E-06	1.59E-07
1708	470567.64	3818174.54	8.09E-06	3.40E-05	3.06E-06	6.74E-06	2.50E-05	2.20E-06	7.64E-07	4.37E-06	5.22E-07	6.95E-07	2.29E-06	1.58E-07
1709	470576.34	3818178.27	8.02E-06	3.37E-05	3.03E-06	6.68E-06	2.47E-05	2.18E-06	7.57E-07	4.34E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
1710	470585.05	3818182.01	7.95E-06	3.34E-05	3.01E-06	6.62E-06	2.45E-05	2.16E-06	7.51E-07	4.30E-06	5.13E-07	6.83E-07	2.25E-06	1.55E-07
1711	470593.76	3818185.75	7.88E-06	3.31E-05	2.98E-06	6.57E-06	2.43E-05	2.14E-06	7.45E-07	4.26E-06	5.09E-07	6.77E-07	2.23E-06	1.54E-07
1712	470602.46	3818189.48	7.82E-06	3.28E-05	2.96E-06	6.51E-06	2.41E-05	2.12E-06	7.38E-07	4.23E-06	5.04E-07	6.71E-07	2.21E-06	1.53E-07
1713	470611.17	3818193.22	7.75E-06	3.25E-05	2.93E-06	6.46E-06	2.39E-05	2.10E-06	7.32E-07	4.19E-06	5.00E-07	6.65E-07	2.19E-06	1.51E-07
1714	470619.88	3818196.96	7.68E-06	3.23E-05	2.91E-06	6.40E-06	2.37E-05	2.09E-06	7.25E-07	4.15E-06	4.96E-07	6.60E-07	2.17E-06	1.50E-07
1715	470628.58	3818200.69	7.62E-06	3.20E-05	2.88E-06	6.34E-06	2.35E-05	2.07E-06	7.19E-07	4.12E-06	4.91E-07	6.54E-07	2.16E-06	1.49E-07
1716	470637.29	3818204.43	7.55E-06	3.17E-05	2.85E-06	6.29E-06	2.33E-05	2.05E-06	7.13E-07	4.08E-06	4.87E-07	6.48E-07	2.14E-06	1.47E-07
1717	470646	3818208.17	7.48E-06	3.14E-05	2.83E-06	6.23E-06	2.31E-05	2.03E-06	7.06E-07	4.04E-06	4.82E-07	6.42E-07	2.12E-06	1.46E-07
1718	470654.7	3818211.91	7.41E-06	3.11E-05	2.80E-06	6.17E-06	2.29E-05	2.01E-06	7.00E-07	4.01E-06	4.78E-07	6.36E-07	2.10E-06	1.45E-07

1719	470663.41	3818215.64	7.35E-06	3.08E-05	2.78E-06	6.12E-06	2.27E-05	1.99E-06	6.94E-07	3.97E-06	4.74E-07	6.31E-07	2.08E-06	1.43E-07
1720	470672.12	3818219.38	7.28E-06	3.06E-05	2.75E-06	6.07E-06	2.25E-05	1.98E-06	6.88E-07	3.94E-06	4.70E-07	6.25E-07	2.06E-06	1.42E-07
1721	470680.82	3818223.12	7.22E-06	3.03E-05	2.73E-06	6.01E-06	2.23E-05	1.96E-06	6.81E-07	3.90E-06	4.65E-07	6.19E-07	2.04E-06	1.41E-07
1722	470689.53	3818226.85	7.15E-06	3.00E-05	2.70E-06	5.95E-06	2.21E-05	1.94E-06	6.75E-07	3.86E-06	4.61E-07	6.14E-07	2.02E-06	1.39E-07
1723	470698.24	3818230.59	7.08E-06	2.97E-05	2.68E-06	5.90E-06	2.19E-05	1.92E-06	6.69E-07	3.83E-06	4.57E-07	6.08E-07	2.00E-06	1.38E-07
1724	470706.94	3818234.33	7.02E-06	2.95E-05	2.65E-06	5.85E-06	2.17E-05	1.91E-06	6.63E-07	3.79E-06	4.53E-07	6.03E-07	1.99E-06	1.37E-07
1725	470715.65	3818238.06	6.95E-06	2.92E-05	2.63E-06	5.79E-06	2.15E-05	1.89E-06	6.56E-07	3.76E-06	4.48E-07	5.97E-07	1.97E-06	1.36E-07
1726	470724.36	3818241.8	6.88E-06	2.89E-05	2.60E-06	5.73E-06	2.12E-05	1.87E-06	6.50E-07	3.72E-06	4.44E-07	5.91E-07	1.95E-06	1.34E-07
1727	470733.07	3818245.54	6.82E-06	2.86E-05	2.58E-06	5.68E-06	2.10E-05	1.85E-06	6.44E-07	3.69E-06	4.40E-07	5.85E-07	1.93E-06	1.33E-07
1728	470741.77	3818249.28	6.75E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
1729	470750.48	3818253.01	6.68E-06	2.81E-05	2.53E-06	5.57E-06	2.06E-05	1.81E-06	6.31E-07	3.61E-06	4.31E-07	5.74E-07	1.89E-06	1.30E-07
1730	470759.19	3818256.75	6.61E-06	2.78E-05	2.50E-06	5.51E-06	2.04E-05	1.80E-06	6.25E-07	3.58E-06	4.27E-07	5.68E-07	1.87E-06	1.29E-07
1731	470767.89	3818260.49	6.55E-06	2.75E-05	2.48E-06	5.45E-06	2.02E-05	1.78E-06	6.18E-07	3.54E-06	4.22E-07	5.62E-07	1.85E-06	1.28E-07
1732	470776.6	3818264.22	6.48E-06	2.72E-05	2.45E-06	5.40E-06	2.00E-05	1.76E-06	6.12E-07	3.50E-06	4.18E-07	5.56E-07	1.83E-06	1.26E-07
1733	470785.31	3818267.96	6.41E-06	2.69E-05	2.42E-06	5.34E-06	1.98E-05	1.74E-06	6.05E-07	3.46E-06	4.13E-07	5.50E-07	1.81E-06	1.25E-07
1734	470794.01	3818271.7	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.99E-07	3.43E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
1735	470802.72	3818275.43	6.27E-06	2.63E-05	2.37E-06	5.23E-06	1.94E-05	1.70E-06	5.92E-07	3.39E-06	4.05E-07	5.39E-07	1.78E-06	1.22E-07
1736	470811.43	3818279.17	6.21E-06	2.61E-05	2.35E-06	5.17E-06	1.91E-05	1.68E-06	5.86E-07	3.35E-06	4.00E-07	5.33E-07	1.76E-06	1.21E-07
1737	470820.13	3818282.91	6.14E-06	2.58E-05	2.32E-06	5.11E-06	1.89E-05	1.67E-06	5.80E-07	3.32E-06	3.96E-07	5.27E-07	1.74E-06	1.20E-07
1738	470828.84	3818286.65	6.07E-06	2.55E-05	2.29E-06	5.05E-06	1.87E-05	1.65E-06	5.73E-07	3.28E-06	3.91E-07	5.21E-07	1.72E-06	1.18E-07
1739	470837.55	3818290.38	6.00E-06	2.52E-05	2.27E-06	5.00E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
1740	470846.25	3818294.12	5.93E-06	2.49E-05	2.24E-06	4.94E-06	1.83E-05	1.61E-06	5.60E-07	3.21E-06	3.83E-07	5.09E-07	1.68E-06	1.16E-07
1741	470854.96	3818297.86	5.87E-06	2.46E-05	2.22E-06	4.89E-06	1.81E-05	1.59E-06	5.54E-07	3.17E-06	3.79E-07	5.04E-07	1.66E-06	1.15E-07
1742	470863.67	3818301.59	5.80E-06	2.44E-05	2.19E-06	4.83E-06	1.79E-05	1.57E-06	5.48E-07	3.14E-06	3.74E-07	4.98E-07	1.64E-06	1.13E-07
1743	470872.37	3818305.33	5.73E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.41E-07	3.10E-06	3.70E-07	4.92E-07	1.62E-06	1.12E-07
1744	470881.08	3818309.07	5.67E-06	2.38E-05	2.14E-06	4.72E-06	1.75E-05	1.54E-06	5.35E-07	3.06E-06	3.66E-07	4.86E-07	1.60E-06	1.11E-07
1745	470889.79	3818312.8	5.60E-06	2.35E-05	2.12E-06	4.66E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.58E-06	1.09E-07
1746	470898.49	3818316.54	5.54E-06	2.33E-05	2.09E-06	4.61E-06	1.71E-05	1.50E-06	5.23E-07	2.99E-06	3.57E-07	4.75E-07	1.57E-06	1.08E-07
1747	470907.2	3818320.28	5.47E-06	2.30E-05	2.07E-06	4.56E-06	1.69E-05	1.49E-06	5.17E-07	2.96E-06	3.53E-07	4.70E-07	1.55E-06	1.07E-07
1748	470915.91	3818324.02	5.41E-06	2.27E-05	2.05E-06	4.51E-06	1.67E-05	1.47E-06	5.11E-07	2.93E-06	3.49E-07	4.65E-07	1.53E-06	1.06E-07
1749	470924.61	3818327.75	5.35E-06	2.25E-05	2.02E-06	4.46E-06	1.65E-05	1.45E-06	5.05E-07	2.89E-06	3.45E-07	4.59E-07	1.51E-06	1.04E-07
1750	470933.32	3818331.49	5.29E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.44E-06	4.99E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
1751	470942.03	3818335.23	5.23E-06	2.20E-05	1.98E-06	4.36E-06	1.61E-05	1.42E-06	4.94E-07	2.83E-06	3.37E-07	4.49E-07	1.48E-06	1.02E-07
1752	470950.73	3818338.96	5.17E-06	2.17E-05	1.96E-06	4.31E-06	1.60E-05	1.40E-06	4.88E-07	2.80E-06	3.34E-07	4.44E-07	1.46E-06	1.01E-07
1753	470959.44	3818342.7	5.12E-06	2.15E-05	1.94E-06	4.26E-06	1.58E-05	1.39E-06	4.83E-07	2.77E-06	3.30E-07	4.39E-07	1.45E-06	9.99E-08
1754	470968.15	3818346.44	5.06E-06	2.13E-05	1.91E-06	4.22E-06	1.56E-05	1.37E-06	4.78E-07	2.74E-06	3.26E-07	4.34E-07	1.43E-06	9.87E-08
1755	470976.85	3818350.17	5.01E-06	2.11E-05	1.90E-06	4.18E-06	1.55E-05	1.36E-06	4.73E-07	2.71E-06	3.23E-07	4.30E-07	1.42E-06	9.78E-08
1756	470985.56	3818353.91	4.96E-06	2.08E-05	1.88E-06	4.13E-06	1.53E-05	1.35E-06	4.68E-07	2.68E-06	3.20E-07	4.26E-07	1.40E-06	9.68E-08
1757	470994.27	3818357.65	4.91E-06	2.06E-05	1.86E-06	4.09E-06	1.52E-05	1.33E-06	4.64E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.58E-08
1758	471029.09	3818372.6	4.73E-06	1.99E-05	1.79E-06	3.94E-06	1.46E-05	1.28E-06	4.47E-07	2.56E-06	3.05E-07	4.06E-07	1.34E-06	9.23E-08
1759	471037.8	3818376.33	4.69E-06	1.97E-05	1.77E-06	3.91E-06	1.45E-05	1.27E-06	4.43E-07	2.54E-06	3.03E-07	4.03E-07	1.33E-06	9.15E-08
1760	471046.51	3818380.07	4.65E-06	1.95E-05	1.76E-06	3.87E-06	1.44E-05	1.26E-06	4.39E-07	2.51E-06	3.00E-07	3.99E-07	1.32E-06	9.08E-08

1761	471055.21	3818383.81	4.62E-06	1.94E-05	1.75E-06	3.85E-06	1.43E-05	1.25E-06	4.36E-07	2.50E-06	2.98E-07	3.96E-07	1.31E-06	9.01E-08
1762	471063.92	3818387.55	4.58E-06	1.93E-05	1.73E-06	3.82E-06	1.41E-05	1.24E-06	4.33E-07	2.48E-06	2.96E-07	3.94E-07	1.30E-06	8.95E-08
1763	471072.63	3818391.28	4.55E-06	1.91E-05	1.72E-06	3.79E-06	1.40E-05	1.24E-06	4.30E-07	2.46E-06	2.94E-07	3.91E-07	1.29E-06	8.88E-08
1764	471081.34	3818395.02	4.52E-06	1.90E-05	1.71E-06	3.77E-06	1.40E-05	1.23E-06	4.27E-07	2.44E-06	2.92E-07	3.88E-07	1.28E-06	8.82E-08
1765	471090.04	3818398.76	4.50E-06	1.89E-05	1.70E-06	3.75E-06	1.39E-05	1.22E-06	4.25E-07	2.43E-06	2.90E-07	3.86E-07	1.27E-06	8.78E-08
1766	471098.75	3818402.49	4.47E-06	1.88E-05	1.69E-06	3.73E-06	1.38E-05	1.21E-06	4.22E-07	2.42E-06	2.89E-07	3.84E-07	1.27E-06	8.73E-08
1767	471107.46	3818406.23	4.45E-06	1.87E-05	1.68E-06	3.71E-06	1.37E-05	1.21E-06	4.20E-07	2.41E-06	2.87E-07	3.82E-07	1.26E-06	8.68E-08
1768	471116.16	3818409.97	4.43E-06	1.86E-05	1.67E-06	3.69E-06	1.37E-05	1.20E-06	4.18E-07	2.39E-06	2.85E-07	3.80E-07	1.25E-06	8.64E-08
1769	471128.41	3818422.49	4.45E-06	1.87E-05	1.68E-06	3.71E-06	1.37E-05	1.21E-06	4.20E-07	2.41E-06	2.87E-07	3.82E-07	1.26E-06	8.68E-08
1770	471131.95	3818431.28	4.49E-06	1.88E-05	1.70E-06	3.74E-06	1.39E-05	1.22E-06	4.24E-07	2.43E-06	2.89E-07	3.85E-07	1.27E-06	8.76E-08
1771	471135.48	3818440.07	4.54E-06	1.91E-05	1.72E-06	3.78E-06	1.40E-05	1.23E-06	4.28E-07	2.45E-06	2.93E-07	3.89E-07	1.28E-06	8.85E-08
1772	471139.02	3818448.86	4.58E-06	1.93E-05	1.73E-06	3.82E-06	1.41E-05	1.24E-06	4.33E-07	2.48E-06	2.96E-07	3.94E-07	1.30E-06	8.95E-08
1773	471142.56	3818457.65	4.63E-06	1.95E-05	1.75E-06	3.86E-06	1.43E-05	1.26E-06	4.37E-07	2.50E-06	2.99E-07	3.98E-07	1.31E-06	9.04E-08
1774	471146.1	3818466.44	4.69E-06	1.97E-05	1.77E-06	3.90E-06	1.45E-05	1.27E-06	4.42E-07	2.53E-06	3.02E-07	4.02E-07	1.33E-06	9.14E-08
1775	471149.64	3818475.23	4.74E-06	1.99E-05	1.79E-06	3.95E-06	1.46E-05	1.29E-06	4.47E-07	2.56E-06	3.06E-07	4.07E-07	1.34E-06	9.25E-08
1776	471153.18	3818484.02	4.80E-06	2.01E-05	1.81E-06	3.99E-06	1.48E-05	1.30E-06	4.53E-07	2.59E-06	3.09E-07	4.12E-07	1.36E-06	9.36E-08
1777	471156.72	3818492.81	4.86E-06	2.04E-05	1.84E-06	4.05E-06	1.50E-05	1.32E-06	4.59E-07	2.63E-06	3.13E-07	4.17E-07	1.38E-06	9.48E-08
1778	471163.79	3818510.39	4.98E-06	2.09E-05	1.88E-06	4.15E-06	1.54E-05	1.35E-06	4.71E-07	2.69E-06	3.21E-07	4.28E-07	1.41E-06	9.72E-08
1779	471167.33	3818519.18	5.05E-06	2.12E-05	1.91E-06	4.21E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.26E-07	4.34E-07	1.43E-06	9.86E-08
1780	471170.87	3818527.97	5.12E-06	2.15E-05	1.94E-06	4.27E-06	1.58E-05	1.39E-06	4.84E-07	2.77E-06	3.30E-07	4.40E-07	1.45E-06	1.00E-07
1781	471174.41	3818536.75	5.20E-06	2.18E-05	1.96E-06	4.33E-06	1.60E-05	1.41E-06	4.91E-07	2.81E-06	3.35E-07	4.46E-07	1.47E-06	1.01E-07
1782	471177.95	3818545.54	5.27E-06	2.21E-05	1.99E-06	4.39E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
1783	471181.48	3818554.33	5.35E-06	2.25E-05	2.02E-06	4.46E-06	1.65E-05	1.45E-06	5.05E-07	2.89E-06	3.45E-07	4.59E-07	1.51E-06	1.04E-07
1784	471185.02	3818563.12	5.43E-06	2.28E-05	2.05E-06	4.52E-06	1.68E-05	1.47E-06	5.13E-07	2.94E-06	3.50E-07	4.66E-07	1.54E-06	1.06E-07
1785	471188.56	3818571.91	5.52E-06	2.32E-05	2.09E-06	4.60E-06	1.70E-05	1.50E-06	5.21E-07	2.98E-06	3.56E-07	4.74E-07	1.56E-06	1.08E-07
1786	471192.1	3818580.7	5.60E-06	2.35E-05	2.12E-06	4.67E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.59E-06	1.09E-07
1787	471195.64	3818589.49	5.70E-06	2.39E-05	2.15E-06	4.74E-06	1.76E-05	1.55E-06	5.38E-07	3.08E-06	3.67E-07	4.89E-07	1.61E-06	1.11E-07
1788	471199.18	3818598.28	5.79E-06	2.43E-05	2.19E-06	4.82E-06	1.79E-05	1.57E-06	5.46E-07	3.13E-06	3.73E-07	4.97E-07	1.64E-06	1.13E-07
1789	471202.72	3818607.07	5.88E-06	2.47E-05	2.23E-06	4.90E-06	1.82E-05	1.60E-06	5.56E-07	3.18E-06	3.79E-07	5.05E-07	1.67E-06	1.15E-07
1790	471206.25	3818615.86	5.98E-06	2.51E-05	2.26E-06	4.98E-06	1.85E-05	1.62E-06	5.65E-07	3.23E-06	3.86E-07	5.13E-07	1.69E-06	1.17E-07
1791	471209.79	3818624.65	6.08E-06	2.55E-05	2.30E-06	5.06E-06	1.88E-05	1.65E-06	5.74E-07	3.29E-06	3.92E-07	5.22E-07	1.72E-06	1.19E-07
1792	471213.33	3818633.44	6.19E-06	2.60E-05	2.34E-06	5.15E-06	1.91E-05	1.68E-06	5.84E-07	3.34E-06	3.99E-07	5.31E-07	1.75E-06	1.21E-07
1793	471216.87	3818642.23	6.29E-06	2.64E-05	2.38E-06	5.24E-06	1.94E-05	1.71E-06	5.94E-07	3.40E-06	4.06E-07	5.40E-07	1.78E-06	1.23E-07
1794	471220.41	3818651.02	6.40E-06	2.69E-05	2.42E-06	5.33E-06	1.98E-05	1.74E-06	6.05E-07	3.46E-06	4.13E-07	5.50E-07	1.81E-06	1.25E-07
1795	471223.95	3818659.8	6.51E-06	2.74E-05	2.46E-06	5.43E-06	2.01E-05	1.77E-06	6.15E-07	3.52E-06	4.20E-07	5.59E-07	1.84E-06	1.27E-07
1796	471227.49	3818668.59	6.63E-06	2.78E-05	2.51E-06	5.52E-06	2.05E-05	1.80E-06	6.26E-07	3.58E-06	4.28E-07	5.69E-07	1.88E-06	1.29E-07
1797	471231.02	3818677.38	6.75E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
1798	471234.56	3818686.17	6.87E-06	2.88E-05	2.60E-06	5.72E-06	2.12E-05	1.86E-06	6.49E-07	3.71E-06	4.43E-07	5.90E-07	1.94E-06	1.34E-07
1799	471238.1	3818694.96	6.99E-06	2.94E-05	2.65E-06	5.83E-06	2.16E-05	1.90E-06	6.61E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
1800	471241.64	3818703.75	7.12E-06	2.99E-05	2.69E-06	5.93E-06	2.20E-05	1.93E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
1801	471245.18	3818712.54	7.25E-06	3.05E-05	2.74E-06	6.04E-06	2.24E-05	1.97E-06	6.85E-07	3.92E-06	4.68E-07	6.23E-07	2.05E-06	1.42E-07
1802	471248.72	3818721.33	7.39E-06	3.10E-05	2.79E-06	6.15E-06	2.28E-05	2.01E-06	6.98E-07	3.99E-06	4.77E-07	6.34E-07	2.09E-06	1.44E-07

1803	471252.25	3818730.12	7.53E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.11E-07	4.07E-06	4.86E-07	6.46E-07	2.13E-06	1.47E-07
1804	471255.79	3818738.91	7.67E-06	3.22E-05	2.90E-06	6.39E-06	2.37E-05	2.08E-06	7.24E-07	4.15E-06	4.95E-07	6.58E-07	2.17E-06	1.50E-07
1805	471259.33	3818747.7	7.81E-06	3.28E-05	2.95E-06	6.51E-06	2.41E-05	2.12E-06	7.38E-07	4.22E-06	5.04E-07	6.71E-07	2.21E-06	1.52E-07
1806	471262.87	3818756.49	7.96E-06	3.34E-05	3.01E-06	6.63E-06	2.46E-05	2.16E-06	7.52E-07	4.30E-06	5.14E-07	6.83E-07	2.25E-06	1.55E-07
1807	471266.41	3818765.28	8.11E-06	3.41E-05	3.07E-06	6.76E-06	2.50E-05	2.20E-06	7.66E-07	4.38E-06	5.23E-07	6.96E-07	2.30E-06	1.58E-07
1808	471269.95	3818774.07	8.26E-06	3.47E-05	3.13E-06	6.88E-06	2.55E-05	2.24E-06	7.80E-07	4.47E-06	5.33E-07	7.09E-07	2.34E-06	1.61E-07
1809	471273.49	3818782.85	8.42E-06	3.54E-05	3.19E-06	7.02E-06	2.60E-05	2.29E-06	7.95E-07	4.55E-06	5.43E-07	7.23E-07	2.38E-06	1.64E-07
1810	471277.02	3818791.64	8.58E-06	3.60E-05	3.25E-06	7.15E-06	2.65E-05	2.33E-06	8.10E-07	4.64E-06	5.54E-07	7.37E-07	2.43E-06	1.67E-07
1811	471280.56	3818800.43	8.75E-06	3.67E-05	3.31E-06	7.28E-06	2.70E-05	2.37E-06	8.26E-07	4.73E-06	5.64E-07	7.51E-07	2.48E-06	1.71E-07
1812	471284.1	3818809.22	8.91E-06	3.74E-05	3.37E-06	7.42E-06	2.75E-05	2.42E-06	8.42E-07	4.82E-06	5.75E-07	7.65E-07	2.52E-06	1.74E-07
1813	471287.64	3818818.01	9.08E-06	3.81E-05	3.43E-06	7.57E-06	2.80E-05	2.47E-06	8.58E-07	4.91E-06	5.86E-07	7.80E-07	2.57E-06	1.77E-07
1814	471291.18	3818826.8	9.26E-06	3.89E-05	3.50E-06	7.71E-06	2.86E-05	2.51E-06	8.74E-07	5.00E-06	5.97E-07	7.95E-07	2.62E-06	1.81E-07
1815	471312.41	3818879.54	1.04E-05	4.36E-05	3.93E-06	8.65E-06	3.20E-05	2.82E-06	9.81E-07	5.61E-06	6.70E-07	8.92E-07	2.94E-06	2.03E-07
1816	471315.95	3818888.33	1.06E-05	4.44E-05	4.00E-06	8.82E-06	3.27E-05	2.87E-06	9.99E-07	5.72E-06	6.83E-07	9.09E-07	3.00E-06	2.07E-07
1817	471319.49	3818897.12	1.08E-05	4.53E-05	4.08E-06	8.99E-06	3.33E-05	2.93E-06	1.02E-06	5.83E-06	6.96E-07	9.26E-07	3.05E-06	2.11E-07
1818	471323.02	3818905.9	1.10E-05	4.62E-05	4.16E-06	9.16E-06	3.39E-05	2.99E-06	1.04E-06	5.94E-06	7.09E-07	9.44E-07	3.11E-06	2.15E-07
1819	471326.56	3818914.69	1.12E-05	4.71E-05	4.24E-06	9.34E-06	3.46E-05	3.04E-06	1.06E-06	6.06E-06	7.23E-07	9.62E-07	3.17E-06	2.19E-07
1820	471330.1	3818923.48	1.14E-05	4.80E-05	4.32E-06	9.52E-06	3.53E-05	3.10E-06	1.08E-06	6.18E-06	7.37E-07	9.81E-07	3.23E-06	2.23E-07
1821	471333.64	3818932.27	1.16E-05	4.89E-05	4.40E-06	9.70E-06	3.59E-05	3.16E-06	1.10E-06	6.29E-06	7.51E-07	9.99E-07	3.30E-06	2.27E-07
1822	471340.72	3818949.85	1.21E-05	5.08E-05	4.57E-06	1.01E-05	3.73E-05	3.28E-06	1.14E-06	6.54E-06	7.80E-07	1.04E-06	3.42E-06	2.36E-07
1823	471344.26	3818958.64	1.23E-05	5.17E-05	4.66E-06	1.03E-05	3.80E-05	3.34E-06	1.16E-06	6.66E-06	7.94E-07	1.06E-06	3.49E-06	2.40E-07
1824	471347.79	3818967.43	1.25E-05	5.27E-05	4.74E-06	1.04E-05	3.87E-05	3.40E-06	1.18E-06	6.78E-06	8.09E-07	1.08E-06	3.55E-06	2.45E-07
1825	471351.33	3818976.22	1.28E-05	5.36E-05	4.83E-06	1.06E-05	3.94E-05	3.47E-06	1.21E-06	6.90E-06	8.23E-07	1.10E-06	3.61E-06	2.49E-07
1826	471354.87	3818985.01	1.30E-05	5.46E-05	4.91E-06	1.08E-05	4.01E-05	3.53E-06	1.23E-06	7.02E-06	8.38E-07	1.12E-06	3.68E-06	2.54E-07
1827	471358.41	3818993.8	1.32E-05	5.55E-05	5.00E-06	1.10E-05	4.08E-05	3.59E-06	1.25E-06	7.15E-06	8.53E-07	1.14E-06	3.74E-06	2.58E-07
1828	471361.95	3819002.59	1.35E-05	5.65E-05	5.09E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.27E-06	8.68E-07	1.15E-06	3.81E-06	2.62E-07
1829	471365.49	3819011.38	1.37E-05	5.75E-05	5.17E-06	1.14E-05	4.22E-05	3.71E-06	1.29E-06	7.40E-06	8.82E-07	1.17E-06	3.87E-06	2.67E-07
1830	471369.03	3819020.17	1.39E-05	5.84E-05	5.26E-06	1.16E-05	4.29E-05	3.78E-06	1.31E-06	7.52E-06	8.97E-07	1.19E-06	3.94E-06	2.71E-07
1831	471372.56	3819028.95	1.41E-05	5.94E-05	5.35E-06	1.18E-05	4.36E-05	3.84E-06	1.34E-06	7.64E-06	9.12E-07	1.21E-06	4.00E-06	2.76E-07
1832	471383.18	3819055.32	1.48E-05	6.22E-05	5.60E-06	1.23E-05	4.57E-05	4.02E-06	1.40E-06	8.01E-06	9.55E-07	1.27E-06	4.19E-06	2.89E-07
1833	471386.72	3819064.11	1.50E-05	6.31E-05	5.69E-06	1.25E-05	4.64E-05	4.08E-06	1.42E-06	8.13E-06	9.70E-07	1.29E-06	4.26E-06	2.93E-07
1834	471390.26	3819072.9	1.52E-05	6.40E-05	5.77E-06	1.27E-05	4.71E-05	4.14E-06	1.44E-06	8.24E-06	9.84E-07	1.31E-06	4.32E-06	2.98E-07
1835	471393.8	3819081.69	1.55E-05	6.49E-05	5.85E-06	1.29E-05	4.77E-05	4.20E-06	1.46E-06	8.36E-06	9.97E-07	1.33E-06	4.38E-06	3.02E-07
1836	471397.33	3819090.48	1.57E-05	6.58E-05	5.93E-06	1.31E-05	4.84E-05	4.25E-06	1.48E-06	8.47E-06	1.01E-06	1.35E-06	4.44E-06	3.06E-07
1837	471400.87	3819099.27	1.59E-05	6.67E-05	6.01E-06	1.32E-05	4.90E-05	4.31E-06	1.50E-06	8.58E-06	1.02E-06	1.36E-06	4.49E-06	3.10E-07
1838	471404.41	3819108.06	1.61E-05	6.75E-05	6.08E-06	1.34E-05	4.96E-05	4.37E-06	1.52E-06	8.69E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
1839	471407.95	3819116.85	1.63E-05	6.84E-05	6.16E-06	1.36E-05	5.02E-05	4.42E-06	1.54E-06	8.80E-06	1.05E-06	1.40E-06	4.61E-06	3.18E-07
1840	471411.49	3819125.64	1.65E-05	6.92E-05	6.23E-06	1.37E-05	5.08E-05	4.47E-06	1.56E-06	8.91E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
1841	471415.03	3819134.43	1.67E-05	7.00E-05	6.30E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.01E-06	1.08E-06	1.43E-06	4.72E-06	3.25E-07
1842	471422.1	3819152.01	1.70E-05	7.15E-05	6.44E-06	1.42E-05	5.26E-05	4.62E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
1843	471425.64	3819160.79	1.72E-05	7.22E-05	6.51E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.30E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
1844	471429.18	3819169.58	1.74E-05	7.29E-05	6.57E-06	1.45E-05	5.36E-05	4.71E-06	1.64E-06	9.39E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07

1845	471432.72	3819178.37	1.75E-05	7.36E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.65E-06	9.47E-06	1.13E-06	1.50E-06	4.96E-06	3.42E-07
1846	471436.26	3819187.16	1.77E-05	7.42E-05	6.68E-06	1.47E-05	5.45E-05	4.80E-06	1.67E-06	9.55E-06	1.14E-06	1.52E-06	5.00E-06	3.45E-07
1847	471439.8	3819195.95	1.78E-05	7.48E-05	6.74E-06	1.48E-05	5.50E-05	4.84E-06	1.68E-06	9.63E-06	1.15E-06	1.53E-06	5.04E-06	3.48E-07
1848	471443.33	3819204.74	1.80E-05	7.54E-05	6.79E-06	1.50E-05	5.54E-05	4.87E-06	1.70E-06	9.71E-06	1.16E-06	1.54E-06	5.08E-06	3.50E-07
1849	471446.87	3819213.53	1.81E-05	7.59E-05	6.84E-06	1.51E-05	5.58E-05	4.91E-06	1.71E-06	9.78E-06	1.17E-06	1.55E-06	5.12E-06	3.53E-07
1850	471450.41	3819222.32	1.82E-05	7.65E-05	6.89E-06	1.52E-05	5.62E-05	4.94E-06	1.72E-06	9.84E-06	1.17E-06	1.56E-06	5.15E-06	3.55E-07
1851	470211.67	3818057.47	1.17E-05	4.93E-05	4.44E-06	9.78E-06	3.62E-05	3.19E-06	1.11E-06	6.35E-06	7.57E-07	1.01E-06	3.32E-06	2.29E-07
1852	470202.11	3818057.34	1.18E-05	4.98E-05	4.48E-06	9.87E-06	3.66E-05	3.22E-06	1.12E-06	6.41E-06	7.64E-07	1.02E-06	3.35E-06	2.31E-07
1853	470192.54	3818057.2	1.19E-05	5.01E-05	4.51E-06	9.94E-06	3.68E-05	3.24E-06	1.13E-06	6.45E-06	7.70E-07	1.02E-06	3.38E-06	2.33E-07
1854	470182.98	3818057.07	1.20E-05	5.04E-05	4.54E-06	1.00E-05	3.70E-05	3.26E-06	1.13E-06	6.49E-06	7.74E-07	1.03E-06	3.40E-06	2.34E-07
1855	470173.42	3818056.93	1.21E-05	5.06E-05	4.56E-06	1.00E-05	3.72E-05	3.27E-06	1.14E-06	6.52E-06	7.78E-07	1.03E-06	3.41E-06	2.35E-07
1856	470163.86	3818056.8	1.21E-05	5.09E-05	4.58E-06	1.01E-05	3.74E-05	3.29E-06	1.14E-06	6.55E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
1857	470154.29	3818056.66	1.22E-05	5.11E-05	4.60E-06	1.01E-05	3.76E-05	3.30E-06	1.15E-06	6.58E-06	7.85E-07	1.04E-06	3.45E-06	2.37E-07
1858	470144.73	3818056.53	1.22E-05	5.13E-05	4.62E-06	1.02E-05	3.77E-05	3.32E-06	1.15E-06	6.60E-06	7.88E-07	1.05E-06	3.46E-06	2.38E-07
1859	470135.17	3818056.39	1.22E-05	5.14E-05	4.63E-06	1.02E-05	3.78E-05	3.32E-06	1.16E-06	6.62E-06	7.89E-07	1.05E-06	3.46E-06	2.39E-07
1860	470125.61	3818056.26	1.22E-05	5.14E-05	4.63E-06	1.02E-05	3.78E-05	3.32E-06	1.16E-06	6.62E-06	7.89E-07	1.05E-06	3.46E-06	2.39E-07
1861	470403.79	3818023.74	8.24E-06	3.46E-05	3.11E-06	6.86E-06	2.54E-05	2.24E-06	7.78E-07	4.45E-06	5.31E-07	7.07E-07	2.33E-06	1.61E-07
1862	470412.54	3818027.49	8.18E-06	3.43E-05	3.09E-06	6.81E-06	2.52E-05	2.22E-06	7.72E-07	4.42E-06	5.27E-07	7.02E-07	2.31E-06	1.60E-07
1863	470421.28	3818031.24	8.11E-06	3.41E-05	3.07E-06	6.76E-06	2.50E-05	2.20E-06	7.66E-07	4.38E-06	5.23E-07	6.96E-07	2.30E-06	1.58E-07
1864	470430.03	3818035	8.04E-06	3.38E-05	3.04E-06	6.70E-06	2.48E-05	2.18E-06	7.60E-07	4.35E-06	5.19E-07	6.90E-07	2.28E-06	1.57E-07
1865	470438.77	3818038.75	7.98E-06	3.35E-05	3.02E-06	6.65E-06	2.46E-05	2.17E-06	7.54E-07	4.31E-06	5.15E-07	6.85E-07	2.26E-06	1.56E-07
1866	470447.52	3818042.5	8.08E-06	3.39E-05	3.06E-06	6.73E-06	2.49E-05	2.19E-06	7.63E-07	4.37E-06	5.21E-07	6.94E-07	2.29E-06	1.58E-07
1867	470456.26	3818046.26	8.02E-06	3.37E-05	3.03E-06	6.68E-06	2.47E-05	2.18E-06	7.57E-07	4.34E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
1868	470465.01	3818050.01	7.95E-06	3.34E-05	3.01E-06	6.62E-06	2.45E-05	2.16E-06	7.50E-07	4.30E-06	5.13E-07	6.82E-07	2.25E-06	1.55E-07
1869	470473.75	3818053.76	7.87E-06	3.31E-05	2.98E-06	6.56E-06	2.43E-05	2.14E-06	7.44E-07	4.26E-06	5.08E-07	6.76E-07	2.23E-06	1.54E-07
1870	470482.5	3818057.52	7.80E-06	3.28E-05	2.95E-06	6.50E-06	2.41E-05	2.12E-06	7.37E-07	4.22E-06	5.03E-07	6.70E-07	2.21E-06	1.52E-07
1871	470491.24	3818061.27	7.74E-06	3.25E-05	2.93E-06	6.44E-06	2.39E-05	2.10E-06	7.30E-07	4.18E-06	4.99E-07	6.64E-07	2.19E-06	1.51E-07
1872	470499.99	3818065.02	7.67E-06	3.22E-05	2.90E-06	6.39E-06	2.37E-05	2.08E-06	7.24E-07	4.15E-06	4.95E-07	6.58E-07	2.17E-06	1.50E-07
1873	470508.73	3818068.78	7.60E-06	3.19E-05	2.87E-06	6.33E-06	2.34E-05	2.06E-06	7.17E-07	4.11E-06	4.90E-07	6.52E-07	2.15E-06	1.48E-07
1874	470517.48	3818072.53	7.52E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.10E-07	4.07E-06	4.85E-07	6.46E-07	2.13E-06	1.47E-07
1875	470526.22	3818076.28	7.45E-06	3.13E-05	2.82E-06	6.21E-06	2.30E-05	2.02E-06	7.04E-07	4.03E-06	4.81E-07	6.40E-07	2.11E-06	1.45E-07
1876	470534.96	3818080.04	7.39E-06	3.10E-05	2.79E-06	6.15E-06	2.28E-05	2.01E-06	6.98E-07	3.99E-06	4.77E-07	6.34E-07	2.09E-06	1.44E-07
1877	470543.71	3818083.79	7.33E-06	3.08E-05	2.77E-06	6.11E-06	2.26E-05	1.99E-06	6.92E-07	3.96E-06	4.73E-07	6.29E-07	2.08E-06	1.43E-07
1878	470552.45	3818087.54	7.28E-06	3.06E-05	2.75E-06	6.06E-06	2.25E-05	1.98E-06	6.87E-07	3.93E-06	4.69E-07	6.25E-07	2.06E-06	1.42E-07
1879	470561.2	3818091.3	7.23E-06	3.03E-05	2.73E-06	6.02E-06	2.23E-05	1.96E-06	6.82E-07	3.91E-06	4.66E-07	6.20E-07	2.05E-06	1.41E-07
1880	470569.94	3818095.05	7.17E-06	3.01E-05	2.71E-06	5.97E-06	2.21E-05	1.95E-06	6.77E-07	3.88E-06	4.63E-07	6.16E-07	2.03E-06	1.40E-07
1881	470578.69	3818098.8	7.12E-06	2.99E-05	2.69E-06	5.93E-06	2.20E-05	1.93E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
1882	470587.43	3818102.56	7.08E-06	2.97E-05	2.68E-06	5.89E-06	2.18E-05	1.92E-06	6.68E-07	3.83E-06	4.56E-07	6.07E-07	2.00E-06	1.38E-07
1883	470596.18	3818106.31	7.03E-06	2.95E-05	2.66E-06	5.85E-06	2.17E-05	1.91E-06	6.64E-07	3.80E-06	4.53E-07	6.03E-07	1.99E-06	1.37E-07
1884	470604.92	3818110.06	6.98E-06	2.93E-05	2.64E-06	5.82E-06	2.16E-05	1.90E-06	6.60E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
1885	470613.67	3818113.82	6.93E-06	2.91E-05	2.62E-06	5.77E-06	2.14E-05	1.88E-06	6.55E-07	3.75E-06	4.47E-07	5.95E-07	1.96E-06	1.35E-07
1886	470622.41	3818117.57	6.87E-06	2.89E-05	2.60E-06	5.73E-06	2.12E-05	1.87E-06	6.49E-07	3.72E-06	4.43E-07	5.90E-07	1.95E-06	1.34E-07

1887	470631.16	3818121.32	6.82E-06	2.86E-05	2.58E-06	5.68E-06	2.11E-05	1.85E-06	6.44E-07	3.69E-06	4.40E-07	5.86E-07	1.93E-06	1.33E-07
1888	470639.9	3818125.08	6.76E-06	2.84E-05	2.56E-06	5.63E-06	2.09E-05	1.84E-06	6.39E-07	3.66E-06	4.36E-07	5.81E-07	1.91E-06	1.32E-07
1889	470648.65	3818128.83	6.71E-06	2.82E-05	2.54E-06	5.59E-06	2.07E-05	1.82E-06	6.33E-07	3.63E-06	4.33E-07	5.76E-07	1.90E-06	1.31E-07
1890	470657.39	3818132.58	6.65E-06	2.79E-05	2.52E-06	5.54E-06	2.05E-05	1.81E-06	6.28E-07	3.60E-06	4.29E-07	5.71E-07	1.88E-06	1.30E-07
1891	470666.14	3818136.34	6.60E-06	2.77E-05	2.50E-06	5.50E-06	2.04E-05	1.79E-06	6.23E-07	3.57E-06	4.26E-07	5.67E-07	1.87E-06	1.29E-07
1892	470674.88	3818140.09	6.55E-06	2.75E-05	2.48E-06	5.45E-06	2.02E-05	1.78E-06	6.18E-07	3.54E-06	4.22E-07	5.62E-07	1.85E-06	1.28E-07
1893	470683.63	3818143.84	6.49E-06	2.73E-05	2.46E-06	5.41E-06	2.00E-05	1.76E-06	6.13E-07	3.51E-06	4.19E-07	5.58E-07	1.84E-06	1.27E-07
1894	470692.37	3818147.6	6.44E-06	2.71E-05	2.44E-06	5.37E-06	1.99E-05	1.75E-06	6.08E-07	3.48E-06	4.15E-07	5.53E-07	1.82E-06	1.26E-07
1895	470701.11	3818151.35	6.39E-06	2.68E-05	2.42E-06	5.32E-06	1.97E-05	1.73E-06	6.03E-07	3.45E-06	4.12E-07	5.48E-07	1.81E-06	1.25E-07
1896	470709.86	3818155.1	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.98E-07	3.42E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
1897	470718.6	3818158.85	6.28E-06	2.64E-05	2.37E-06	5.23E-06	1.94E-05	1.70E-06	5.93E-07	3.39E-06	4.05E-07	5.39E-07	1.78E-06	1.22E-07
1898	470727.35	3818162.61	6.22E-06	2.61E-05	2.35E-06	5.19E-06	1.92E-05	1.69E-06	5.88E-07	3.37E-06	4.02E-07	5.34E-07	1.76E-06	1.21E-07
1899	470736.09	3818166.36	6.17E-06	2.59E-05	2.33E-06	5.14E-06	1.90E-05	1.68E-06	5.83E-07	3.34E-06	3.98E-07	5.30E-07	1.75E-06	1.20E-07
1900	470744.84	3818170.11	6.11E-06	2.57E-05	2.31E-06	5.09E-06	1.89E-05	1.66E-06	5.77E-07	3.31E-06	3.94E-07	5.25E-07	1.73E-06	1.19E-07
1901	470753.58	3818173.87	6.06E-06	2.55E-05	2.29E-06	5.05E-06	1.87E-05	1.65E-06	5.72E-07	3.28E-06	3.91E-07	5.20E-07	1.72E-06	1.18E-07
1902	470762.33	3818177.62	6.01E-06	2.52E-05	2.27E-06	5.00E-06	1.85E-05	1.63E-06	5.67E-07	3.25E-06	3.88E-07	5.16E-07	1.70E-06	1.17E-07
1903	470771.07	3818181.37	5.95E-06	2.50E-05	2.25E-06	4.96E-06	1.84E-05	1.62E-06	5.62E-07	3.22E-06	3.84E-07	5.11E-07	1.68E-06	1.16E-07
1904	470779.82	3818185.13	5.90E-06	2.48E-05	2.23E-06	4.91E-06	1.82E-05	1.60E-06	5.57E-07	3.19E-06	3.80E-07	5.06E-07	1.67E-06	1.15E-07
1905	470788.56	3818188.88	5.84E-06	2.45E-05	2.21E-06	4.86E-06	1.80E-05	1.59E-06	5.51E-07	3.16E-06	3.77E-07	5.01E-07	1.65E-06	1.14E-07
1906	470797.31	3818192.63	5.79E-06	2.43E-05	2.19E-06	4.82E-06	1.79E-05	1.57E-06	5.46E-07	3.13E-06	3.73E-07	4.97E-07	1.64E-06	1.13E-07
1907	470806.05	3818196.39	5.73E-06	2.41E-05	2.17E-06	4.77E-06	1.77E-05	1.56E-06	5.41E-07	3.10E-06	3.70E-07	4.92E-07	1.62E-06	1.12E-07
1908	470814.8	3818200.14	5.68E-06	2.38E-05	2.15E-06	4.73E-06	1.75E-05	1.54E-06	5.36E-07	3.07E-06	3.66E-07	4.87E-07	1.61E-06	1.11E-07
1909	470823.54	3818203.89	5.62E-06	2.36E-05	2.13E-06	4.68E-06	1.73E-05	1.53E-06	5.31E-07	3.04E-06	3.62E-07	4.82E-07	1.59E-06	1.10E-07
1910	470832.29	3818207.65	5.56E-06	2.34E-05	2.10E-06	4.63E-06	1.72E-05	1.51E-06	5.25E-07	3.01E-06	3.59E-07	4.77E-07	1.57E-06	1.09E-07
1911	470841.03	3818211.4	5.50E-06	2.31E-05	2.08E-06	4.58E-06	1.70E-05	1.49E-06	5.20E-07	2.98E-06	3.55E-07	4.72E-07	1.56E-06	1.07E-07
1912	470849.78	3818215.15	5.45E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.14E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
1913	470858.52	3818218.91	5.39E-06	2.26E-05	2.04E-06	4.49E-06	1.66E-05	1.46E-06	5.09E-07	2.91E-06	3.48E-07	4.63E-07	1.53E-06	1.05E-07
1914	470867.26	3818222.66	5.33E-06	2.24E-05	2.02E-06	4.44E-06	1.64E-05	1.45E-06	5.03E-07	2.88E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
1915	470876.01	3818226.41	5.28E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
1916	470884.75	3818230.17	5.22E-06	2.19E-05	1.97E-06	4.35E-06	1.61E-05	1.42E-06	4.93E-07	2.82E-06	3.37E-07	4.48E-07	1.48E-06	1.02E-07
1917	470893.5	3818233.92	5.16E-06	2.17E-05	1.95E-06	4.30E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.33E-07	4.43E-07	1.46E-06	1.01E-07
1918	470902.24	3818237.67	5.10E-06	2.14E-05	1.93E-06	4.25E-06	1.57E-05	1.39E-06	4.82E-07	2.76E-06	3.29E-07	4.38E-07	1.44E-06	9.96E-08
1919	470910.99	3818241.43	5.05E-06	2.12E-05	1.91E-06	4.20E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.25E-07	4.33E-07	1.43E-06	9.85E-08
1920	470919.73	3818245.18	4.99E-06	2.10E-05	1.89E-06	4.16E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.22E-07	4.29E-07	1.41E-06	9.74E-08
1921	470928.48	3818248.93	4.94E-06	2.07E-05	1.87E-06	4.11E-06	1.52E-05	1.34E-06	4.66E-07	2.67E-06	3.18E-07	4.24E-07	1.40E-06	9.63E-08
1922	470937.22	3818252.69	4.88E-06	2.05E-05	1.85E-06	4.07E-06	1.51E-05	1.33E-06	4.61E-07	2.64E-06	3.15E-07	4.19E-07	1.38E-06	9.53E-08
1923	470945.97	3818256.44	4.83E-06	2.03E-05	1.83E-06	4.02E-06	1.49E-05	1.31E-06	4.56E-07	2.61E-06	3.12E-07	4.15E-07	1.37E-06	9.42E-08
1924	470954.71	3818260.19	4.78E-06	2.01E-05	1.81E-06	3.98E-06	1.47E-05	1.30E-06	4.51E-07	2.58E-06	3.08E-07	4.10E-07	1.35E-06	9.32E-08
1925	470963.46	3818263.95	4.72E-06	1.98E-05	1.79E-06	3.93E-06	1.46E-05	1.28E-06	4.46E-07	2.55E-06	3.05E-07	4.06E-07	1.34E-06	9.22E-08
1926	470972.2	3818267.7	4.67E-06	1.96E-05	1.77E-06	3.89E-06	1.44E-05	1.27E-06	4.41E-07	2.53E-06	3.01E-07	4.01E-07	1.32E-06	9.11E-08
1927	470980.95	3818271.45	4.62E-06	1.94E-05	1.75E-06	3.85E-06	1.43E-05	1.25E-06	4.36E-07	2.50E-06	2.98E-07	3.96E-07	1.31E-06	9.01E-08
1928	470989.69	3818275.21	4.57E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.92E-07	1.29E-06	8.92E-08

1929	470998.44	3818278.96	4.52E-06	1.90E-05	1.71E-06	3.77E-06	1.40E-05	1.23E-06	4.27E-07	2.44E-06	2.92E-07	3.88E-07	1.28E-06	8.82E-08
1930	471007.18	3818282.71	4.47E-06	1.88E-05	1.69E-06	3.73E-06	1.38E-05	1.21E-06	4.22E-07	2.42E-06	2.89E-07	3.84E-07	1.27E-06	8.73E-08
1931	471015.93	3818286.47	4.43E-06	1.86E-05	1.67E-06	3.69E-06	1.37E-05	1.20E-06	4.18E-07	2.39E-06	2.85E-07	3.80E-07	1.25E-06	8.64E-08
1932	471024.67	3818290.22	4.38E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.14E-07	2.37E-06	2.83E-07	3.76E-07	1.24E-06	8.55E-08
1933	471033.41	3818293.97	4.34E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.10E-07	2.35E-06	2.80E-07	3.72E-07	1.23E-06	8.47E-08
1934	471068.39	3818308.99	4.18E-06	1.75E-05	1.58E-06	3.48E-06	1.29E-05	1.13E-06	3.94E-07	2.26E-06	2.69E-07	3.58E-07	1.18E-06	8.15E-08
1935	471077.14	3818312.74	4.14E-06	1.74E-05	1.57E-06	3.45E-06	1.28E-05	1.12E-06	3.91E-07	2.24E-06	2.67E-07	3.56E-07	1.17E-06	8.08E-08
1936	471085.88	3818316.49	4.11E-06	1.73E-05	1.55E-06	3.42E-06	1.27E-05	1.12E-06	3.88E-07	2.22E-06	2.65E-07	3.53E-07	1.16E-06	8.02E-08
1937	471094.63	3818320.25	4.07E-06	1.71E-05	1.54E-06	3.39E-06	1.26E-05	1.11E-06	3.85E-07	2.20E-06	2.63E-07	3.50E-07	1.15E-06	7.95E-08
1938	471103.37	3818324	4.05E-06	1.70E-05	1.53E-06	3.37E-06	1.25E-05	1.10E-06	3.82E-07	2.19E-06	2.61E-07	3.47E-07	1.15E-06	7.89E-08
1939	471112.12	3818327.75	4.02E-06	1.69E-05	1.52E-06	3.35E-06	1.24E-05	1.09E-06	3.79E-07	2.17E-06	2.59E-07	3.45E-07	1.14E-06	7.84E-08
1940	471120.86	3818331.51	3.99E-06	1.67E-05	1.51E-06	3.32E-06	1.23E-05	1.08E-06	3.77E-07	2.16E-06	2.57E-07	3.42E-07	1.13E-06	7.78E-08
1941	471129.61	3818335.26	3.96E-06	1.66E-05	1.50E-06	3.30E-06	1.22E-05	1.08E-06	3.74E-07	2.14E-06	2.56E-07	3.40E-07	1.12E-06	7.73E-08
1942	471138.35	3818339.01	3.94E-06	1.65E-05	1.49E-06	3.28E-06	1.22E-05	1.07E-06	3.72E-07	2.13E-06	2.54E-07	3.38E-07	1.12E-06	7.69E-08
1943	471147.1	3818342.77	3.92E-06	1.64E-05	1.48E-06	3.26E-06	1.21E-05	1.06E-06	3.70E-07	2.12E-06	2.53E-07	3.36E-07	1.11E-06	7.64E-08
1944	471155.84	3818346.52	3.90E-06	1.64E-05	1.47E-06	3.25E-06	1.20E-05	1.06E-06	3.68E-07	2.11E-06	2.51E-07	3.35E-07	1.10E-06	7.60E-08
1945	471164.59	3818350.27	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.57E-08
1946	471173.33	3818354.03	3.86E-06	1.62E-05	1.46E-06	3.22E-06	1.19E-05	1.05E-06	3.65E-07	2.09E-06	2.49E-07	3.32E-07	1.09E-06	7.54E-08
1947	471185.63	3818366.61	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.57E-08
1948	471189.18	3818375.44	3.92E-06	1.64E-05	1.48E-06	3.26E-06	1.21E-05	1.06E-06	3.70E-07	2.12E-06	2.53E-07	3.36E-07	1.11E-06	7.64E-08
1949	471192.74	3818384.26	3.95E-06	1.66E-05	1.49E-06	3.29E-06	1.22E-05	1.07E-06	3.73E-07	2.14E-06	2.55E-07	3.39E-07	1.12E-06	7.71E-08
1950	471196.29	3818393.09	3.99E-06	1.67E-05	1.51E-06	3.32E-06	1.23E-05	1.08E-06	3.77E-07	2.16E-06	2.57E-07	3.42E-07	1.13E-06	7.78E-08
1951	471199.85	3818401.92	4.03E-06	1.69E-05	1.52E-06	3.36E-06	1.24E-05	1.09E-06	3.81E-07	2.18E-06	2.60E-07	3.46E-07	1.14E-06	7.87E-08
1952	471203.4	3818410.75	4.07E-06	1.71E-05	1.54E-06	3.39E-06	1.26E-05	1.10E-06	3.84E-07	2.20E-06	2.62E-07	3.49E-07	1.15E-06	7.94E-08
1953	471206.95	3818419.57	4.12E-06	1.73E-05	1.56E-06	3.43E-06	1.27E-05	1.12E-06	3.89E-07	2.23E-06	2.66E-07	3.54E-07	1.17E-06	8.03E-08
1954	471217.61	3818446.06	4.26E-06	1.79E-05	1.61E-06	3.55E-06	1.32E-05	1.16E-06	4.02E-07	2.30E-06	2.75E-07	3.66E-07	1.21E-06	8.32E-08
1955	471221.17	3818454.89	4.32E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.42E-08
1956	471224.72	3818463.71	4.37E-06	1.84E-05	1.65E-06	3.64E-06	1.35E-05	1.19E-06	4.13E-07	2.36E-06	2.82E-07	3.75E-07	1.24E-06	8.53E-08
1957	471228.28	3818472.54	4.43E-06	1.86E-05	1.68E-06	3.69E-06	1.37E-05	1.20E-06	4.18E-07	2.40E-06	2.86E-07	3.80E-07	1.25E-06	8.65E-08
1958	471231.83	3818481.37	4.49E-06	1.88E-05	1.70E-06	3.74E-06	1.39E-05	1.22E-06	4.24E-07	2.43E-06	2.89E-07	3.85E-07	1.27E-06	8.76E-08
1959	471235.38	3818490.2	4.55E-06	1.91E-05	1.72E-06	3.79E-06	1.40E-05	1.24E-06	4.30E-07	2.46E-06	2.94E-07	3.91E-07	1.29E-06	8.88E-08
1960	471238.94	3818499.02	4.61E-06	1.94E-05	1.74E-06	3.84E-06	1.42E-05	1.25E-06	4.36E-07	2.49E-06	2.98E-07	3.96E-07	1.31E-06	9.00E-08
1961	471242.49	3818507.85	4.68E-06	1.97E-05	1.77E-06	3.90E-06	1.44E-05	1.27E-06	4.42E-07	2.53E-06	3.02E-07	4.02E-07	1.32E-06	9.13E-08
1962	471246.05	3818516.68	4.75E-06	1.99E-05	1.80E-06	3.95E-06	1.47E-05	1.29E-06	4.48E-07	2.57E-06	3.06E-07	4.08E-07	1.34E-06	9.26E-08
1963	471249.6	3818525.51	4.82E-06	2.02E-05	1.82E-06	4.01E-06	1.49E-05	1.31E-06	4.55E-07	2.61E-06	3.11E-07	4.14E-07	1.36E-06	9.41E-08
1964	471253.15	3818534.33	4.89E-06	2.05E-05	1.85E-06	4.08E-06	1.51E-05	1.33E-06	4.62E-07	2.64E-06	3.16E-07	4.20E-07	1.38E-06	9.55E-08
1965	471256.71	3818543.16	4.96E-06	2.08E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.69E-07	2.68E-06	3.20E-07	4.26E-07	1.41E-06	9.69E-08
1966	471260.26	3818551.99	5.05E-06	2.12E-05	1.91E-06	4.20E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.25E-07	4.33E-07	1.43E-06	9.85E-08
1967	471263.82	3818560.82	5.12E-06	2.15E-05	1.94E-06	4.27E-06	1.58E-05	1.39E-06	4.84E-07	2.77E-06	3.30E-07	4.40E-07	1.45E-06	1.00E-07
1968	471267.37	3818569.64	5.21E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.41E-06	4.92E-07	2.81E-06	3.36E-07	4.47E-07	1.47E-06	1.02E-07
1969	471270.92	3818578.47	5.29E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.44E-06	4.99E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
1970	471274.48	3818587.3	5.37E-06	2.26E-05	2.03E-06	4.48E-06	1.66E-05	1.46E-06	5.07E-07	2.90E-06	3.47E-07	4.61E-07	1.52E-06	1.05E-07

1971	471278.03	3818596.13	5.46E-06	2.29E-05	2.06E-06	4.55E-06	1.68E-05	1.48E-06	5.16E-07	2.95E-06	3.52E-07	4.69E-07	1.55E-06	1.07E-07
1972	471281.59	3818604.96	5.55E-06	2.33E-05	2.10E-06	4.62E-06	1.71E-05	1.51E-06	5.24E-07	3.00E-06	3.58E-07	4.77E-07	1.57E-06	1.08E-07
1973	471285.14	3818613.78	5.64E-06	2.37E-05	2.13E-06	4.70E-06	1.74E-05	1.53E-06	5.33E-07	3.05E-06	3.64E-07	4.84E-07	1.60E-06	1.10E-07
1974	471288.69	3818622.61	5.74E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.42E-07	3.10E-06	3.70E-07	4.93E-07	1.62E-06	1.12E-07
1975	471292.25	3818631.44	5.84E-06	2.45E-05	2.21E-06	4.86E-06	1.80E-05	1.58E-06	5.51E-07	3.15E-06	3.76E-07	5.01E-07	1.65E-06	1.14E-07
1976	471313.57	3818684.4	6.47E-06	2.72E-05	2.45E-06	5.39E-06	2.00E-05	1.76E-06	6.11E-07	3.50E-06	4.17E-07	5.55E-07	1.83E-06	1.26E-07
1977	471317.13	3818693.23	6.58E-06	2.76E-05	2.49E-06	5.48E-06	2.03E-05	1.79E-06	6.21E-07	3.55E-06	4.24E-07	5.65E-07	1.86E-06	1.28E-07
1978	471320.68	3818702.06	6.70E-06	2.81E-05	2.53E-06	5.58E-06	2.07E-05	1.82E-06	6.32E-07	3.62E-06	4.32E-07	5.75E-07	1.90E-06	1.31E-07
1979	471324.23	3818710.89	6.81E-06	2.86E-05	2.58E-06	5.67E-06	2.10E-05	1.85E-06	6.43E-07	3.68E-06	4.39E-07	5.85E-07	1.93E-06	1.33E-07
1980	471327.79	3818719.71	6.94E-06	2.91E-05	2.62E-06	5.78E-06	2.14E-05	1.88E-06	6.55E-07	3.75E-06	4.47E-07	5.96E-07	1.96E-06	1.35E-07
1981	471331.34	3818728.54	7.06E-06	2.96E-05	2.67E-06	5.88E-06	2.18E-05	1.92E-06	6.66E-07	3.82E-06	4.55E-07	6.06E-07	2.00E-06	1.38E-07
1982	471334.89	3818737.37	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.03E-06	1.40E-07
1983	471338.45	3818746.2	7.32E-06	3.07E-05	2.77E-06	6.09E-06	2.26E-05	1.99E-06	6.91E-07	3.96E-06	4.72E-07	6.28E-07	2.07E-06	1.43E-07
1984	471342	3818755.03	7.45E-06	3.13E-05	2.82E-06	6.21E-06	2.30E-05	2.02E-06	7.04E-07	4.03E-06	4.81E-07	6.40E-07	2.11E-06	1.45E-07
1985	471345.56	3818763.85	7.59E-06	3.19E-05	2.87E-06	6.32E-06	2.34E-05	2.06E-06	7.16E-07	4.10E-06	4.89E-07	6.51E-07	2.15E-06	1.48E-07
1986	471349.11	3818772.68	7.73E-06	3.24E-05	2.92E-06	6.44E-06	2.38E-05	2.10E-06	7.30E-07	4.18E-06	4.98E-07	6.63E-07	2.19E-06	1.51E-07
1987	471352.66	3818781.51	7.87E-06	3.30E-05	2.97E-06	6.55E-06	2.43E-05	2.14E-06	7.43E-07	4.25E-06	5.07E-07	6.75E-07	2.23E-06	1.53E-07
1988	471356.22	3818790.34	8.01E-06	3.36E-05	3.03E-06	6.67E-06	2.47E-05	2.17E-06	7.56E-07	4.33E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
1989	471359.77	3818799.16	8.16E-06	3.43E-05	3.09E-06	6.80E-06	2.52E-05	2.21E-06	7.70E-07	4.41E-06	5.26E-07	7.00E-07	2.31E-06	1.59E-07
1990	471363.33	3818807.99	8.31E-06	3.49E-05	3.14E-06	6.92E-06	2.56E-05	2.26E-06	7.85E-07	4.49E-06	5.36E-07	7.13E-07	2.35E-06	1.62E-07
1991	471366.88	3818816.82	8.46E-06	3.55E-05	3.20E-06	7.05E-06	2.61E-05	2.30E-06	7.99E-07	4.57E-06	5.46E-07	7.26E-07	2.40E-06	1.65E-07
1992	471370.43	3818825.65	8.62E-06	3.62E-05	3.26E-06	7.18E-06	2.66E-05	2.34E-06	8.14E-07	4.66E-06	5.56E-07	7.40E-07	2.44E-06	1.68E-07
1993	471373.99	3818834.47	8.78E-06	3.69E-05	3.32E-06	7.31E-06	2.71E-05	2.38E-06	8.29E-07	4.75E-06	5.66E-07	7.54E-07	2.49E-06	1.71E-07
1994	471381.1	3818852.13	9.11E-06	3.82E-05	3.44E-06	7.59E-06	2.81E-05	2.47E-06	8.60E-07	4.92E-06	5.87E-07	7.82E-07	2.58E-06	1.78E-07
1995	471384.65	3818860.96	9.27E-06	3.90E-05	3.51E-06	7.73E-06	2.86E-05	2.52E-06	8.76E-07	5.01E-06	5.98E-07	7.96E-07	2.63E-06	1.81E-07
1996	471388.2	3818869.78	9.45E-06	3.97E-05	3.57E-06	7.87E-06	2.92E-05	2.56E-06	8.92E-07	5.11E-06	6.09E-07	8.11E-07	2.67E-06	1.84E-07
1997	471391.76	3818878.61	9.62E-06	4.04E-05	3.64E-06	8.01E-06	2.97E-05	2.61E-06	9.09E-07	5.20E-06	6.21E-07	8.26E-07	2.72E-06	1.88E-07
1998	471395.31	3818887.44	9.80E-06	4.12E-05	3.71E-06	8.16E-06	3.02E-05	2.66E-06	9.25E-07	5.30E-06	6.32E-07	8.41E-07	2.77E-06	1.91E-07
1999	471398.87	3818896.27	9.98E-06	4.19E-05	3.77E-06	8.31E-06	3.08E-05	2.71E-06	9.42E-07	5.39E-06	6.44E-07	8.57E-07	2.82E-06	1.95E-07
2000	471402.42	3818905.1	1.02E-05	4.27E-05	3.84E-06	8.46E-06	3.14E-05	2.76E-06	9.59E-07	5.49E-06	6.55E-07	8.72E-07	2.88E-06	1.98E-07
2001	471405.97	3818913.92	1.03E-05	4.34E-05	3.91E-06	8.62E-06	3.19E-05	2.81E-06	9.77E-07	5.59E-06	6.67E-07	8.88E-07	2.93E-06	2.02E-07
2002	471409.53	3818922.75	1.05E-05	4.42E-05	3.98E-06	8.77E-06	3.25E-05	2.86E-06	9.94E-07	5.69E-06	6.79E-07	9.04E-07	2.98E-06	2.05E-07
2003	471413.08	3818931.58	1.07E-05	4.50E-05	4.05E-06	8.92E-06	3.31E-05	2.91E-06	1.01E-06	5.79E-06	6.91E-07	9.20E-07	3.03E-06	2.09E-07
2004	471420.19	3818949.23	1.11E-05	4.66E-05	4.19E-06	9.24E-06	3.42E-05	3.01E-06	1.05E-06	5.99E-06	7.15E-07	9.52E-07	3.14E-06	2.16E-07
2005	471423.74	3818958.06	1.13E-05	4.74E-05	4.27E-06	9.40E-06	3.48E-05	3.06E-06	1.07E-06	6.10E-06	7.28E-07	9.68E-07	3.19E-06	2.20E-07
2006	471427.3	3818966.89	1.15E-05	4.82E-05	4.34E-06	9.56E-06	3.54E-05	3.11E-06	1.08E-06	6.20E-06	7.40E-07	9.85E-07	3.25E-06	2.24E-07
2007	471430.85	3818975.72	1.17E-05	4.90E-05	4.41E-06	9.72E-06	3.60E-05	3.17E-06	1.10E-06	6.31E-06	7.52E-07	1.00E-06	3.30E-06	2.28E-07
2008	471434.41	3818984.54	1.19E-05	4.98E-05	4.48E-06	9.88E-06	3.66E-05	3.22E-06	1.12E-06	6.41E-06	7.65E-07	1.02E-06	3.36E-06	2.31E-07
2009	471437.96	3818993.37	1.21E-05	5.06E-05	4.56E-06	1.00E-05	3.72E-05	3.27E-06	1.14E-06	6.51E-06	7.77E-07	1.03E-06	3.41E-06	2.35E-07
2010	471441.51	3819002.2	1.22E-05	5.14E-05	4.63E-06	1.02E-05	3.78E-05	3.32E-06	1.16E-06	6.62E-06	7.90E-07	1.05E-06	3.47E-06	2.39E-07
2011	471445.07	3819011.03	1.24E-05	5.22E-05	4.70E-06	1.04E-05	3.84E-05	3.38E-06	1.17E-06	6.72E-06	8.02E-07	1.07E-06	3.52E-06	2.43E-07
2012	471448.62	3819019.85	1.26E-05	5.30E-05	4.78E-06	1.05E-05	3.90E-05	3.43E-06	1.19E-06	6.83E-06	8.15E-07	1.08E-06	3.57E-06	2.46E-07

2013	471452.18	3819028.68	1.28E-05	5.38E-05	4.85E-06	1.07E-05	3.96E-05	3.48E-06	1.21E-06	6.93E-06	8.27E-07	1.10E-06	3.63E-06	2.50E-07
2014	471462.84	3819055.17	1.34E-05	5.62E-05	5.06E-06	1.12E-05	4.13E-05	3.63E-06	1.26E-06	7.24E-06	8.64E-07	1.15E-06	3.79E-06	2.61E-07
2015	471466.39	3819063.99	1.36E-05	5.70E-05	5.13E-06	1.13E-05	4.19E-05	3.68E-06	1.28E-06	7.34E-06	8.75E-07	1.17E-06	3.84E-06	2.65E-07
2016	471469.94	3819072.82	1.38E-05	5.78E-05	5.20E-06	1.15E-05	4.24E-05	3.73E-06	1.30E-06	7.44E-06	8.87E-07	1.18E-06	3.89E-06	2.68E-07
2017	471473.5	3819081.65	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.32E-06	7.53E-06	8.99E-07	1.20E-06	3.94E-06	2.72E-07
2018	471477.05	3819090.48	1.41E-05	5.92E-05	5.33E-06	1.17E-05	4.35E-05	3.83E-06	1.33E-06	7.63E-06	9.10E-07	1.21E-06	3.99E-06	2.75E-07
2019	471480.61	3819099.3	1.43E-05	6.00E-05	5.40E-06	1.19E-05	4.41E-05	3.88E-06	1.35E-06	7.72E-06	9.21E-07	1.23E-06	4.04E-06	2.79E-07
2020	471484.16	3819108.13	1.44E-05	6.07E-05	5.46E-06	1.20E-05	4.46E-05	3.92E-06	1.36E-06	7.81E-06	9.32E-07	1.24E-06	4.09E-06	2.82E-07
2021	471487.71	3819116.96	1.46E-05	6.14E-05	5.53E-06	1.22E-05	4.51E-05	3.97E-06	1.38E-06	7.90E-06	9.42E-07	1.25E-06	4.14E-06	2.85E-07
2022	471491.27	3819125.79	1.48E-05	6.20E-05	5.59E-06	1.23E-05	4.56E-05	4.01E-06	1.39E-06	7.98E-06	9.53E-07	1.27E-06	4.18E-06	2.88E-07
2023	471494.82	3819134.61	1.49E-05	6.27E-05	5.65E-06	1.24E-05	4.61E-05	4.05E-06	1.41E-06	8.07E-06	9.63E-07	1.28E-06	4.23E-06	2.91E-07
2024	471501.93	3819152.27	1.52E-05	6.39E-05	5.76E-06	1.27E-05	4.70E-05	4.13E-06	1.44E-06	8.23E-06	9.82E-07	1.31E-06	4.31E-06	2.97E-07
2025	471505.48	3819161.1	1.54E-05	6.45E-05	5.81E-06	1.28E-05	4.74E-05	4.17E-06	1.45E-06	8.31E-06	9.91E-07	1.32E-06	4.35E-06	3.00E-07
2026	471509.04	3819169.92	1.55E-05	6.51E-05	5.86E-06	1.29E-05	4.78E-05	4.21E-06	1.46E-06	8.38E-06	1.00E-06	1.33E-06	4.39E-06	3.02E-07
2027	471512.59	3819178.75	1.56E-05	6.56E-05	5.91E-06	1.30E-05	4.82E-05	4.24E-06	1.48E-06	8.45E-06	1.01E-06	1.34E-06	4.42E-06	3.05E-07
2028	471516.15	3819187.58	1.58E-05	6.62E-05	5.96E-06	1.31E-05	4.86E-05	4.28E-06	1.49E-06	8.52E-06	1.02E-06	1.35E-06	4.46E-06	3.07E-07
2029	471519.7	3819196.41	1.59E-05	6.66E-05	6.00E-06	1.32E-05	4.90E-05	4.31E-06	1.50E-06	8.58E-06	1.02E-06	1.36E-06	4.49E-06	3.10E-07
2030	471523.25	3819205.24	1.60E-05	6.71E-05	6.05E-06	1.33E-05	4.93E-05	4.34E-06	1.51E-06	8.64E-06	1.03E-06	1.37E-06	4.52E-06	3.12E-07
2031	471526.81	3819214.06	1.61E-05	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
2032	471530.36	3819222.89	1.62E-05	6.80E-05	6.12E-06	1.35E-05	5.00E-05	4.40E-06	1.53E-06	8.75E-06	1.04E-06	1.39E-06	4.58E-06	3.16E-07
2033	470184.11	3817977.08	1.07E-05	4.50E-05	4.05E-06	8.92E-06	3.30E-05	2.91E-06	1.01E-06	5.79E-06	6.90E-07	9.19E-07	3.03E-06	2.09E-07
2034	470174.55	3817976.94	1.08E-05	4.52E-05	4.07E-06	8.97E-06	3.32E-05	2.92E-06	1.02E-06	5.82E-06	6.94E-07	9.24E-07	3.05E-06	2.10E-07
2035	470164.99	3817976.81	1.08E-05	4.55E-05	4.10E-06	9.02E-06	3.34E-05	2.94E-06	1.02E-06	5.85E-06	6.98E-07	9.30E-07	3.07E-06	2.11E-07
2036	470155.42	3817976.67	1.09E-05	4.57E-05	4.11E-06	9.06E-06	3.36E-05	2.95E-06	1.03E-06	5.88E-06	7.02E-07	9.34E-07	3.08E-06	2.12E-07
2037	470145.86	3817976.54	1.09E-05	4.58E-05	4.13E-06	9.09E-06	3.37E-05	2.96E-06	1.03E-06	5.90E-06	7.04E-07	9.37E-07	3.09E-06	2.13E-07
2038	470136.3	3817976.4	1.09E-05	4.60E-05	4.14E-06	9.12E-06	3.38E-05	2.97E-06	1.03E-06	5.92E-06	7.06E-07	9.40E-07	3.10E-06	2.14E-07
2039	470126.74	3817976.27	1.10E-05	4.60E-05	4.14E-06	9.12E-06	3.38E-05	2.97E-06	1.03E-06	5.92E-06	7.07E-07	9.40E-07	3.10E-06	2.14E-07
2040	470370.21	3817928.85	7.66E-06	3.22E-05	2.90E-06	6.38E-06	2.36E-05	2.08E-06	7.24E-07	4.14E-06	4.94E-07	6.58E-07	2.17E-06	1.50E-07
2041	470378.99	3817932.61	7.58E-06	3.18E-05	2.87E-06	6.31E-06	2.34E-05	2.06E-06	7.15E-07	4.10E-06	4.89E-07	6.50E-07	2.14E-06	1.48E-07
2042	470387.77	3817936.38	7.49E-06	3.15E-05	2.83E-06	6.24E-06	2.31E-05	2.03E-06	7.07E-07	4.05E-06	4.83E-07	6.43E-07	2.12E-06	1.46E-07
2043	470396.55	3817940.15	7.42E-06	3.12E-05	2.81E-06	6.18E-06	2.29E-05	2.01E-06	7.00E-07	4.01E-06	4.78E-07	6.37E-07	2.10E-06	1.45E-07
2044	470405.33	3817943.92	7.35E-06	3.09E-05	2.78E-06	6.12E-06	2.27E-05	2.00E-06	6.94E-07	3.97E-06	4.74E-07	6.31E-07	2.08E-06	1.43E-07
2045	470414.11	3817947.68	7.29E-06	3.06E-05	2.76E-06	6.07E-06	2.25E-05	1.98E-06	6.88E-07	3.94E-06	4.70E-07	6.26E-07	2.06E-06	1.42E-07
2046	470422.88	3817951.45	7.24E-06	3.04E-05	2.74E-06	6.03E-06	2.23E-05	1.96E-06	6.83E-07	3.91E-06	4.67E-07	6.21E-07	2.05E-06	1.41E-07
2047	470431.66	3817955.22	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.03E-06	1.40E-07
2048	470440.44	3817958.99	7.14E-06	3.00E-05	2.70E-06	5.95E-06	2.20E-05	1.94E-06	6.74E-07	3.86E-06	4.60E-07	6.13E-07	2.02E-06	1.39E-07
2049	470449.22	3817962.76	7.09E-06	2.98E-05	2.68E-06	5.91E-06	2.19E-05	1.92E-06	6.70E-07	3.83E-06	4.57E-07	6.09E-07	2.01E-06	1.38E-07
2050	470458	3817966.52	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.04E-06	1.40E-07
2051	470466.78	3817970.29	7.14E-06	3.00E-05	2.70E-06	5.95E-06	2.20E-05	1.94E-06	6.74E-07	3.86E-06	4.60E-07	6.13E-07	2.02E-06	1.39E-07
2052	470475.56	3817974.06	7.08E-06	2.97E-05	2.68E-06	5.90E-06	2.19E-05	1.92E-06	6.69E-07	3.83E-06	4.57E-07	6.08E-07	2.00E-06	1.38E-07
2053	470484.33	3817977.83	7.02E-06	2.95E-05	2.65E-06	5.85E-06	2.17E-05	1.91E-06	6.63E-07	3.79E-06	4.53E-07	6.03E-07	1.99E-06	1.37E-07
2054	470493.11	3817981.6	6.96E-06	2.92E-05	2.63E-06	5.79E-06	2.15E-05	1.89E-06	6.57E-07	3.76E-06	4.49E-07	5.97E-07	1.97E-06	1.36E-07

2055	470501.89	3817985.36	6.89E-06	2.90E-05	2.61E-06	5.74E-06	2.13E-05	1.87E-06	6.51E-07	3.73E-06	4.45E-07	5.92E-07	1.95E-06	1.35E-07
2056	470510.67	3817989.13	6.84E-06	2.87E-05	2.59E-06	5.69E-06	2.11E-05	1.86E-06	6.46E-07	3.70E-06	4.41E-07	5.87E-07	1.93E-06	1.33E-07
2057	470519.45	3817992.9	6.78E-06	2.85E-05	2.56E-06	5.65E-06	2.09E-05	1.84E-06	6.40E-07	3.66E-06	4.37E-07	5.82E-07	1.92E-06	1.32E-07
2058	470528.23	3817996.67	6.73E-06	2.82E-05	2.54E-06	5.60E-06	2.08E-05	1.83E-06	6.35E-07	3.64E-06	4.34E-07	5.77E-07	1.90E-06	1.31E-07
2059	470537	3818000.43	6.67E-06	2.80E-05	2.52E-06	5.55E-06	2.06E-05	1.81E-06	6.30E-07	3.60E-06	4.30E-07	5.72E-07	1.89E-06	1.30E-07
2060	470545.78	3818004.2	6.61E-06	2.78E-05	2.50E-06	5.51E-06	2.04E-05	1.79E-06	6.24E-07	3.57E-06	4.26E-07	5.67E-07	1.87E-06	1.29E-07
2061	470554.56	3818007.97	6.55E-06	2.75E-05	2.48E-06	5.46E-06	2.02E-05	1.78E-06	6.19E-07	3.54E-06	4.23E-07	5.62E-07	1.85E-06	1.28E-07
2062	470563.34	3818011.74	6.50E-06	2.73E-05	2.46E-06	5.41E-06	2.01E-05	1.76E-06	6.14E-07	3.51E-06	4.19E-07	5.58E-07	1.84E-06	1.27E-07
2063	470572.12	3818015.51	6.45E-06	2.71E-05	2.44E-06	5.37E-06	1.99E-05	1.75E-06	6.09E-07	3.48E-06	4.16E-07	5.53E-07	1.82E-06	1.26E-07
2064	470580.9	3818019.27	6.39E-06	2.68E-05	2.42E-06	5.33E-06	1.97E-05	1.74E-06	6.04E-07	3.46E-06	4.12E-07	5.49E-07	1.81E-06	1.25E-07
2065	470589.68	3818023.04	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.99E-07	3.43E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
2066	470598.45	3818026.81	6.29E-06	2.64E-05	2.38E-06	5.24E-06	1.94E-05	1.71E-06	5.94E-07	3.40E-06	4.06E-07	5.40E-07	1.78E-06	1.23E-07
2067	470607.23	3818030.58	6.25E-06	2.62E-05	2.36E-06	5.21E-06	1.93E-05	1.70E-06	5.90E-07	3.38E-06	4.03E-07	5.36E-07	1.77E-06	1.22E-07
2068	470616.01	3818034.34	6.21E-06	2.61E-05	2.35E-06	5.17E-06	1.91E-05	1.68E-06	5.86E-07	3.35E-06	4.00E-07	5.33E-07	1.76E-06	1.21E-07
2069	470624.79	3818038.11	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.82E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
2070	470633.57	3818041.88	6.12E-06	2.57E-05	2.32E-06	5.10E-06	1.89E-05	1.66E-06	5.78E-07	3.31E-06	3.95E-07	5.26E-07	1.73E-06	1.19E-07
2071	470642.35	3818045.65	6.08E-06	2.55E-05	2.30E-06	5.06E-06	1.88E-05	1.65E-06	5.74E-07	3.29E-06	3.92E-07	5.22E-07	1.72E-06	1.19E-07
2072	470651.12	3818049.42	6.04E-06	2.54E-05	2.29E-06	5.03E-06	1.86E-05	1.64E-06	5.71E-07	3.27E-06	3.90E-07	5.19E-07	1.71E-06	1.18E-07
2073	470659.9	3818053.18	5.99E-06	2.52E-05	2.27E-06	4.99E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
2074	470668.68	3818056.95	5.95E-06	2.50E-05	2.25E-06	4.96E-06	1.84E-05	1.62E-06	5.62E-07	3.22E-06	3.84E-07	5.11E-07	1.68E-06	1.16E-07
2075	470677.46	3818060.72	5.91E-06	2.48E-05	2.23E-06	4.92E-06	1.82E-05	1.60E-06	5.58E-07	3.19E-06	3.81E-07	5.07E-07	1.67E-06	1.15E-07
2076	470686.24	3818064.49	5.86E-06	2.46E-05	2.22E-06	4.88E-06	1.81E-05	1.59E-06	5.54E-07	3.17E-06	3.78E-07	5.03E-07	1.66E-06	1.14E-07
2077	470695.02	3818068.25	5.82E-06	2.44E-05	2.20E-06	4.85E-06	1.80E-05	1.58E-06	5.50E-07	3.15E-06	3.75E-07	5.00E-07	1.65E-06	1.14E-07
2078	470703.8	3818072.02	5.78E-06	2.43E-05	2.19E-06	4.81E-06	1.78E-05	1.57E-06	5.46E-07	3.12E-06	3.73E-07	4.96E-07	1.64E-06	1.13E-07
2079	470712.57	3818075.79	5.73E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.41E-07	3.10E-06	3.70E-07	4.92E-07	1.62E-06	1.12E-07
2080	470721.35	3818079.56	5.69E-06	2.39E-05	2.15E-06	4.74E-06	1.75E-05	1.54E-06	5.37E-07	3.07E-06	3.67E-07	4.88E-07	1.61E-06	1.11E-07
2081	470730.13	3818083.33	5.64E-06	2.37E-05	2.13E-06	4.70E-06	1.74E-05	1.53E-06	5.32E-07	3.05E-06	3.64E-07	4.84E-07	1.60E-06	1.10E-07
2082	470738.91	3818087.09	5.59E-06	2.35E-05	2.11E-06	4.66E-06	1.72E-05	1.52E-06	5.28E-07	3.02E-06	3.61E-07	4.80E-07	1.58E-06	1.09E-07
2083	470747.69	3818090.86	5.55E-06	2.33E-05	2.10E-06	4.62E-06	1.71E-05	1.51E-06	5.24E-07	3.00E-06	3.58E-07	4.77E-07	1.57E-06	1.08E-07
2084	470756.47	3818094.63	5.51E-06	2.32E-05	2.08E-06	4.59E-06	1.70E-05	1.50E-06	5.21E-07	2.98E-06	3.56E-07	4.73E-07	1.56E-06	1.08E-07
2085	470765.24	3818098.4	5.47E-06	2.30E-05	2.07E-06	4.56E-06	1.69E-05	1.48E-06	5.17E-07	2.96E-06	3.53E-07	4.70E-07	1.55E-06	1.07E-07
2086	470774.02	3818102.16	5.42E-06	2.28E-05	2.05E-06	4.52E-06	1.67E-05	1.47E-06	5.12E-07	2.93E-06	3.50E-07	4.65E-07	1.53E-06	1.06E-07
2087	470782.8	3818105.93	5.38E-06	2.26E-05	2.03E-06	4.48E-06	1.66E-05	1.46E-06	5.08E-07	2.91E-06	3.47E-07	4.62E-07	1.52E-06	1.05E-07
2088	470791.58	3818109.7	5.33E-06	2.24E-05	2.02E-06	4.44E-06	1.64E-05	1.45E-06	5.03E-07	2.88E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
2089	470800.36	3818113.47	5.29E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.44E-06	4.99E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
2090	470809.14	3818117.24	5.24E-06	2.20E-05	1.98E-06	4.36E-06	1.62E-05	1.42E-06	4.95E-07	2.83E-06	3.38E-07	4.50E-07	1.48E-06	1.02E-07
2091	470817.92	3818121	5.20E-06	2.18E-05	1.96E-06	4.33E-06	1.60E-05	1.41E-06	4.91E-07	2.81E-06	3.35E-07	4.46E-07	1.47E-06	1.01E-07
2092	470826.69	3818124.77	5.15E-06	2.16E-05	1.95E-06	4.29E-06	1.59E-05	1.40E-06	4.86E-07	2.78E-06	3.32E-07	4.42E-07	1.46E-06	1.00E-07
2093	470835.47	3818128.54	5.10E-06	2.14E-05	1.93E-06	4.25E-06	1.57E-05	1.39E-06	4.82E-07	2.76E-06	3.29E-07	4.38E-07	1.44E-06	9.96E-08
2094	470844.25	3818132.31	5.06E-06	2.12E-05	1.91E-06	4.21E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.26E-07	4.34E-07	1.43E-06	9.87E-08
2095	470853.03	3818136.07	5.01E-06	2.10E-05	1.89E-06	4.17E-06	1.55E-05	1.36E-06	4.73E-07	2.71E-06	3.23E-07	4.30E-07	1.42E-06	9.77E-08
2096	470861.81	3818139.84	4.96E-06	2.08E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.69E-07	2.68E-06	3.20E-07	4.26E-07	1.41E-06	9.69E-08

2097	470870.59	3818143.61	4.92E-06	2.06E-05	1.86E-06	4.10E-06	1.52E-05	1.33E-06	4.64E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.59E-08
2098	470879.37	3818147.38	4.87E-06	2.04E-05	1.84E-06	4.06E-06	1.50E-05	1.32E-06	4.60E-07	2.63E-06	3.14E-07	4.18E-07	1.38E-06	9.50E-08
2099	470888.14	3818151.15	4.82E-06	2.02E-05	1.82E-06	4.01E-06	1.49E-05	1.31E-06	4.55E-07	2.61E-06	3.11E-07	4.14E-07	1.36E-06	9.41E-08
2100	470896.92	3818154.91	4.77E-06	2.00E-05	1.80E-06	3.97E-06	1.47E-05	1.30E-06	4.51E-07	2.58E-06	3.08E-07	4.10E-07	1.35E-06	9.31E-08
2101	470905.7	3818158.68	4.72E-06	1.98E-05	1.79E-06	3.93E-06	1.46E-05	1.28E-06	4.46E-07	2.55E-06	3.05E-07	4.06E-07	1.34E-06	9.22E-08
2102	470914.48	3818162.45	4.67E-06	1.96E-05	1.77E-06	3.89E-06	1.44E-05	1.27E-06	4.41E-07	2.53E-06	3.01E-07	4.01E-07	1.32E-06	9.11E-08
2103	470923.26	3818166.22	4.62E-06	1.94E-05	1.75E-06	3.85E-06	1.43E-05	1.25E-06	4.37E-07	2.50E-06	2.98E-07	3.97E-07	1.31E-06	9.02E-08
2104	470932.04	3818169.98	4.57E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.92E-07	1.29E-06	8.92E-08
2105	470940.81	3818173.75	4.51E-06	1.90E-05	1.71E-06	3.76E-06	1.39E-05	1.22E-06	4.26E-07	2.44E-06	2.91E-07	3.87E-07	1.28E-06	8.80E-08
2106	470949.59	3818177.52	4.45E-06	1.87E-05	1.68E-06	3.71E-06	1.37E-05	1.21E-06	4.21E-07	2.41E-06	2.87E-07	3.82E-07	1.26E-06	8.69E-08
2107	470958.37	3818181.29	4.41E-06	1.85E-05	1.67E-06	3.67E-06	1.36E-05	1.20E-06	4.16E-07	2.38E-06	2.84E-07	3.78E-07	1.25E-06	8.60E-08
2108	470967.15	3818185.06	4.36E-06	1.83E-05	1.65E-06	3.63E-06	1.34E-05	1.18E-06	4.12E-07	2.36E-06	2.81E-07	3.74E-07	1.23E-06	8.50E-08
2109	470975.93	3818188.82	4.31E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.41E-08
2110	470984.71	3818192.59	4.27E-06	1.79E-05	1.61E-06	3.55E-06	1.32E-05	1.16E-06	4.03E-07	2.31E-06	2.75E-07	3.66E-07	1.21E-06	8.33E-08
2111	470993.49	3818196.36	4.22E-06	1.77E-05	1.60E-06	3.52E-06	1.30E-05	1.15E-06	3.99E-07	2.28E-06	2.72E-07	3.63E-07	1.20E-06	8.24E-08
2112	471002.26	3818200.13	4.19E-06	1.76E-05	1.58E-06	3.49E-06	1.29E-05	1.14E-06	3.95E-07	2.26E-06	2.70E-07	3.59E-07	1.18E-06	8.17E-08
2113	471011.04	3818203.9	4.14E-06	1.74E-05	1.57E-06	3.45E-06	1.28E-05	1.12E-06	3.91E-07	2.24E-06	2.67E-07	3.56E-07	1.17E-06	8.08E-08
2114	471019.82	3818207.66	4.10E-06	1.72E-05	1.55E-06	3.41E-06	1.26E-05	1.11E-06	3.87E-07	2.22E-06	2.64E-07	3.52E-07	1.16E-06	8.00E-08
2115	471028.6	3818211.43	4.06E-06	1.70E-05	1.53E-06	3.38E-06	1.25E-05	1.10E-06	3.83E-07	2.19E-06	2.62E-07	3.48E-07	1.15E-06	7.91E-08
2116	471037.38	3818215.2	4.01E-06	1.68E-05	1.52E-06	3.34E-06	1.24E-05	1.09E-06	3.79E-07	2.17E-06	2.59E-07	3.44E-07	1.14E-06	7.83E-08
2117	471046.16	3818218.97	3.98E-06	1.67E-05	1.50E-06	3.31E-06	1.23E-05	1.08E-06	3.76E-07	2.15E-06	2.57E-07	3.42E-07	1.13E-06	7.76E-08
2118	471054.93	3818222.73	3.94E-06	1.66E-05	1.49E-06	3.29E-06	1.22E-05	1.07E-06	3.73E-07	2.13E-06	2.54E-07	3.39E-07	1.12E-06	7.70E-08
2119	471063.71	3818226.5	3.91E-06	1.64E-05	1.48E-06	3.25E-06	1.21E-05	1.06E-06	3.69E-07	2.11E-06	2.52E-07	3.35E-07	1.11E-06	7.62E-08
2120	471072.49	3818230.27	3.87E-06	1.62E-05	1.46E-06	3.22E-06	1.19E-05	1.05E-06	3.65E-07	2.09E-06	2.49E-07	3.32E-07	1.09E-06	7.55E-08
2121	471107.61	3818245.34	3.73E-06	1.57E-05	1.41E-06	3.11E-06	1.15E-05	1.01E-06	3.52E-07	2.02E-06	2.40E-07	3.20E-07	1.06E-06	7.27E-08
2122	471116.38	3818249.11	3.69E-06	1.55E-05	1.40E-06	3.08E-06	1.14E-05	1.00E-06	3.49E-07	2.00E-06	2.38E-07	3.17E-07	1.05E-06	7.21E-08
2123	471125.16	3818252.88	3.67E-06	1.54E-05	1.39E-06	3.05E-06	1.13E-05	9.95E-07	3.46E-07	1.98E-06	2.36E-07	3.15E-07	1.04E-06	7.15E-08
2124	471133.94	3818256.64	3.64E-06	1.53E-05	1.38E-06	3.03E-06	1.12E-05	9.87E-07	3.43E-07	1.97E-06	2.35E-07	3.12E-07	1.03E-06	7.10E-08
2125	471142.72	3818260.41	3.61E-06	1.52E-05	1.36E-06	3.01E-06	1.11E-05	9.79E-07	3.41E-07	1.95E-06	2.33E-07	3.10E-07	1.02E-06	7.04E-08
2126	471151.5	3818264.18	3.58E-06	1.50E-05	1.35E-06	2.98E-06	1.10E-05	9.72E-07	3.38E-07	1.93E-06	2.31E-07	3.07E-07	1.01E-06	6.98E-08
2127	471160.28	3818267.95	3.56E-06	1.49E-05	1.34E-06	2.96E-06	1.10E-05	9.65E-07	3.36E-07	1.92E-06	2.29E-07	3.05E-07	1.01E-06	6.94E-08
2128	471169.05	3818271.72	3.53E-06	1.48E-05	1.34E-06	2.94E-06	1.09E-05	9.59E-07	3.33E-07	1.91E-06	2.28E-07	3.03E-07	9.99E-07	6.89E-08
2129	471177.83	3818275.48	3.51E-06	1.47E-05	1.33E-06	2.92E-06	1.08E-05	9.52E-07	3.31E-07	1.90E-06	2.26E-07	3.01E-07	9.93E-07	6.84E-08
2130	471186.61	3818279.25	3.49E-06	1.46E-05	1.32E-06	2.91E-06	1.08E-05	9.47E-07	3.29E-07	1.89E-06	2.25E-07	2.99E-07	9.87E-07	6.81E-08
2131	471195.39	3818283.02	3.47E-06	1.46E-05	1.31E-06	2.89E-06	1.07E-05	9.42E-07	3.28E-07	1.88E-06	2.24E-07	2.98E-07	9.82E-07	6.77E-08
2132	471204.17	3818286.79	3.45E-06	1.45E-05	1.30E-06	2.87E-06	1.06E-05	9.36E-07	3.26E-07	1.86E-06	2.22E-07	2.96E-07	9.76E-07	6.73E-08
2133	471212.95	3818290.55	3.43E-06	1.44E-05	1.30E-06	2.86E-06	1.06E-05	9.31E-07	3.24E-07	1.85E-06	2.21E-07	2.94E-07	9.71E-07	6.69E-08
2134	471221.73	3818294.32	3.42E-06	1.43E-05	1.29E-06	2.84E-06	1.05E-05	9.27E-07	3.23E-07	1.85E-06	2.20E-07	2.93E-07	9.67E-07	6.66E-08
2135	471230.5	3818298.09	3.40E-06	1.43E-05	1.29E-06	2.83E-06	1.05E-05	9.23E-07	3.21E-07	1.84E-06	2.19E-07	2.92E-07	9.63E-07	6.64E-08
2136	471242.85	3818310.72	3.42E-06	1.43E-05	1.29E-06	2.84E-06	1.05E-05	9.27E-07	3.23E-07	1.85E-06	2.20E-07	2.93E-07	9.67E-07	6.66E-08
2137	471246.42	3818319.58	3.44E-06	1.45E-05	1.30E-06	2.87E-06	1.06E-05	9.35E-07	3.25E-07	1.86E-06	2.22E-07	2.96E-07	9.75E-07	6.72E-08
2138	471249.99	3818328.44	3.47E-06	1.46E-05	1.31E-06	2.89E-06	1.07E-05	9.43E-07	3.28E-07	1.88E-06	2.24E-07	2.98E-07	9.83E-07	6.78E-08

2139	471253.55	3818337.3	3.51E-06	1.47E-05	1.33E-06	2.92E-06	1.08E-05	9.52E-07	3.31E-07	1.90E-06	2.26E-07	3.01E-07	9.93E-07	6.84E-08
2140	471257.12	3818346.17	3.54E-06	1.49E-05	1.34E-06	2.95E-06	1.09E-05	9.61E-07	3.34E-07	1.91E-06	2.28E-07	3.04E-07	1.00E-06	6.91E-08
2141	471260.69	3818355.03	3.57E-06	1.50E-05	1.35E-06	2.98E-06	1.10E-05	9.70E-07	3.38E-07	1.93E-06	2.31E-07	3.07E-07	1.01E-06	6.97E-08
2142	471264.26	3818363.89	3.61E-06	1.52E-05	1.37E-06	3.01E-06	1.11E-05	9.81E-07	3.41E-07	1.95E-06	2.33E-07	3.10E-07	1.02E-06	7.05E-08
2143	471267.82	3818372.75	3.65E-06	1.53E-05	1.38E-06	3.04E-06	1.13E-05	9.91E-07	3.45E-07	1.97E-06	2.36E-07	3.13E-07	1.03E-06	7.12E-08
2144	471271.39	3818381.61	3.69E-06	1.55E-05	1.40E-06	3.07E-06	1.14E-05	1.00E-06	3.48E-07	1.99E-06	2.38E-07	3.17E-07	1.04E-06	7.20E-08
2145	471274.96	3818390.47	3.73E-06	1.57E-05	1.41E-06	3.11E-06	1.15E-05	1.01E-06	3.53E-07	2.02E-06	2.41E-07	3.20E-07	1.06E-06	7.28E-08
2146	471278.53	3818399.34	3.78E-06	1.59E-05	1.43E-06	3.15E-06	1.17E-05	1.03E-06	3.57E-07	2.04E-06	2.44E-07	3.24E-07	1.07E-06	7.37E-08
2147	471282.09	3818408.2	3.82E-06	1.60E-05	1.44E-06	3.18E-06	1.18E-05	1.04E-06	3.61E-07	2.06E-06	2.46E-07	3.28E-07	1.08E-06	7.45E-08
2148	471285.66	3818417.06	3.87E-06	1.62E-05	1.46E-06	3.22E-06	1.19E-05	1.05E-06	3.65E-07	2.09E-06	2.49E-07	3.32E-07	1.09E-06	7.55E-08
2149	471289.23	3818425.92	3.92E-06	1.64E-05	1.48E-06	3.26E-06	1.21E-05	1.06E-06	3.70E-07	2.12E-06	2.53E-07	3.36E-07	1.11E-06	7.64E-08
2150	471314.2	3818487.95	4.31E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.41E-08
2151	471317.77	3818496.82	4.37E-06	1.84E-05	1.65E-06	3.64E-06	1.35E-05	1.19E-06	4.13E-07	2.36E-06	2.82E-07	3.75E-07	1.24E-06	8.53E-08
2152	471321.34	3818505.68	4.44E-06	1.86E-05	1.68E-06	3.69E-06	1.37E-05	1.20E-06	4.19E-07	2.40E-06	2.86E-07	3.81E-07	1.26E-06	8.65E-08
2153	471324.91	3818514.54	4.50E-06	1.89E-05	1.70E-06	3.75E-06	1.39E-05	1.22E-06	4.25E-07	2.43E-06	2.90E-07	3.87E-07	1.27E-06	8.79E-08
2154	471328.47	3818523.4	4.57E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.92E-07	1.29E-06	8.92E-08
2155	471332.04	3818532.26	4.64E-06	1.95E-05	1.75E-06	3.86E-06	1.43E-05	1.26E-06	4.38E-07	2.51E-06	2.99E-07	3.98E-07	1.31E-06	9.05E-08
2156	471335.61	3818541.12	4.71E-06	1.98E-05	1.78E-06	3.92E-06	1.45E-05	1.28E-06	4.45E-07	2.55E-06	3.04E-07	4.04E-07	1.33E-06	9.19E-08
2157	471339.18	3818549.99	4.78E-06	2.01E-05	1.81E-06	3.98E-06	1.48E-05	1.30E-06	4.52E-07	2.59E-06	3.08E-07	4.10E-07	1.35E-06	9.33E-08
2158	471342.74	3818558.85	4.86E-06	2.04E-05	1.84E-06	4.05E-06	1.50E-05	1.32E-06	4.59E-07	2.63E-06	3.13E-07	4.17E-07	1.38E-06	9.48E-08
2159	471346.31	3818567.71	4.94E-06	2.07E-05	1.87E-06	4.11E-06	1.52E-05	1.34E-06	4.66E-07	2.67E-06	3.18E-07	4.24E-07	1.40E-06	9.63E-08
2160	471349.88	3818576.57	5.01E-06	2.11E-05	1.90E-06	4.18E-06	1.55E-05	1.36E-06	4.73E-07	2.71E-06	3.23E-07	4.30E-07	1.42E-06	9.78E-08
2161	471353.45	3818585.43	5.09E-06	2.14E-05	1.92E-06	4.24E-06	1.57E-05	1.38E-06	4.81E-07	2.75E-06	3.28E-07	4.37E-07	1.44E-06	9.93E-08
2162	471357.01	3818594.29	5.17E-06	2.17E-05	1.96E-06	4.31E-06	1.60E-05	1.40E-06	4.88E-07	2.80E-06	3.34E-07	4.44E-07	1.46E-06	1.01E-07
2163	471360.58	3818603.16	5.26E-06	2.21E-05	1.99E-06	4.38E-06	1.62E-05	1.43E-06	4.97E-07	2.84E-06	3.39E-07	4.51E-07	1.49E-06	1.03E-07
2164	471364.15	3818612.02	5.34E-06	2.24E-05	2.02E-06	4.45E-06	1.65E-05	1.45E-06	5.04E-07	2.89E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
2165	471367.72	3818620.88	5.43E-06	2.28E-05	2.05E-06	4.52E-06	1.67E-05	1.47E-06	5.12E-07	2.93E-06	3.50E-07	4.66E-07	1.54E-06	1.06E-07
2166	471371.29	3818629.74	5.52E-06	2.32E-05	2.09E-06	4.60E-06	1.70E-05	1.50E-06	5.21E-07	2.98E-06	3.56E-07	4.74E-07	1.56E-06	1.08E-07
2167	471374.85	3818638.6	5.61E-06	2.36E-05	2.12E-06	4.67E-06	1.73E-05	1.52E-06	5.30E-07	3.03E-06	3.62E-07	4.82E-07	1.59E-06	1.09E-07
2168	471378.42	3818647.46	5.70E-06	2.39E-05	2.16E-06	4.75E-06	1.76E-05	1.55E-06	5.38E-07	3.08E-06	3.68E-07	4.89E-07	1.61E-06	1.11E-07
2169	471381.99	3818656.33	5.80E-06	2.43E-05	2.19E-06	4.83E-06	1.79E-05	1.57E-06	5.47E-07	3.13E-06	3.74E-07	4.98E-07	1.64E-06	1.13E-07
2170	471385.56	3818665.19	5.89E-06	2.47E-05	2.23E-06	4.91E-06	1.82E-05	1.60E-06	5.56E-07	3.19E-06	3.80E-07	5.06E-07	1.67E-06	1.15E-07
2171	471389.12	3818674.05	5.99E-06	2.52E-05	2.27E-06	4.99E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
2172	471392.69	3818682.91	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.65E-06	5.76E-07	3.29E-06	3.93E-07	5.23E-07	1.73E-06	1.19E-07
2173	471396.26	3818691.77	6.20E-06	2.60E-05	2.34E-06	5.16E-06	1.91E-05	1.68E-06	5.85E-07	3.35E-06	4.00E-07	5.32E-07	1.75E-06	1.21E-07
2174	471399.83	3818700.63	6.30E-06	2.65E-05	2.38E-06	5.25E-06	1.94E-05	1.71E-06	5.95E-07	3.41E-06	4.06E-07	5.41E-07	1.78E-06	1.23E-07
2175	471403.39	3818709.5	6.41E-06	2.69E-05	2.42E-06	5.34E-06	1.98E-05	1.74E-06	6.05E-07	3.46E-06	4.13E-07	5.50E-07	1.81E-06	1.25E-07
2176	471406.96	3818718.36	6.52E-06	2.74E-05	2.47E-06	5.43E-06	2.01E-05	1.77E-06	6.16E-07	3.52E-06	4.20E-07	5.60E-07	1.85E-06	1.27E-07
2177	471410.53	3818727.22	6.63E-06	2.79E-05	2.51E-06	5.53E-06	2.05E-05	1.80E-06	6.26E-07	3.59E-06	4.28E-07	5.69E-07	1.88E-06	1.29E-07
2178	471414.1	3818736.08	6.75E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
2179	471417.66	3818744.94	6.86E-06	2.88E-05	2.60E-06	5.72E-06	2.12E-05	1.86E-06	6.48E-07	3.71E-06	4.43E-07	5.89E-07	1.94E-06	1.34E-07
2180	471421.23	3818753.8	6.98E-06	2.93E-05	2.64E-06	5.82E-06	2.16E-05	1.90E-06	6.60E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07

2181	471424.8	3818762.67	7.11E-06	2.99E-05	2.69E-06	5.92E-06	2.19E-05	1.93E-06	6.71E-07	3.84E-06	4.59E-07	6.10E-07	2.01E-06	1.39E-07
2182	471428.37	3818771.53	7.24E-06	3.04E-05	2.74E-06	6.03E-06	2.23E-05	1.96E-06	6.83E-07	3.91E-06	4.67E-07	6.21E-07	2.05E-06	1.41E-07
2183	471431.94	3818780.39	7.36E-06	3.09E-05	2.78E-06	6.13E-06	2.27E-05	2.00E-06	6.95E-07	3.98E-06	4.75E-07	6.32E-07	2.08E-06	1.44E-07
2184	471435.5	3818789.25	7.49E-06	3.15E-05	2.83E-06	6.24E-06	2.31E-05	2.03E-06	7.07E-07	4.05E-06	4.83E-07	6.43E-07	2.12E-06	1.46E-07
2185	471439.07	3818798.11	7.62E-06	3.20E-05	2.88E-06	6.35E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.92E-07	6.55E-07	2.16E-06	1.49E-07
2186	471442.64	3818806.97	7.76E-06	3.26E-05	2.93E-06	6.46E-06	2.39E-05	2.11E-06	7.33E-07	4.19E-06	5.00E-07	6.66E-07	2.20E-06	1.51E-07
2187	471446.21	3818815.84	7.89E-06	3.32E-05	2.99E-06	6.58E-06	2.44E-05	2.14E-06	7.45E-07	4.27E-06	5.09E-07	6.78E-07	2.23E-06	1.54E-07
2188	471449.77	3818824.7	8.04E-06	3.38E-05	3.04E-06	6.70E-06	2.48E-05	2.18E-06	7.59E-07	4.35E-06	5.18E-07	6.90E-07	2.28E-06	1.57E-07
2189	471453.34	3818833.56	8.18E-06	3.43E-05	3.09E-06	6.81E-06	2.52E-05	2.22E-06	7.72E-07	4.42E-06	5.27E-07	7.02E-07	2.31E-06	1.60E-07
2190	471460.48	3818851.28	8.47E-06	3.56E-05	3.20E-06	7.06E-06	2.61E-05	2.30E-06	8.00E-07	4.58E-06	5.46E-07	7.27E-07	2.40E-06	1.65E-07
2191	471464.04	3818860.14	8.62E-06	3.62E-05	3.26E-06	7.18E-06	2.66E-05	2.34E-06	8.14E-07	4.66E-06	5.56E-07	7.40E-07	2.44E-06	1.68E-07
2192	471467.61	3818869.01	8.77E-06	3.68E-05	3.32E-06	7.30E-06	2.71E-05	2.38E-06	8.28E-07	4.74E-06	5.66E-07	7.53E-07	2.48E-06	1.71E-07
2193	471471.18	3818877.87	8.92E-06	3.75E-05	3.37E-06	7.43E-06	2.75E-05	2.42E-06	8.43E-07	4.82E-06	5.76E-07	7.66E-07	2.53E-06	1.74E-07
2194	471474.75	3818886.73	9.08E-06	3.81E-05	3.43E-06	7.56E-06	2.80E-05	2.46E-06	8.57E-07	4.91E-06	5.86E-07	7.79E-07	2.57E-06	1.77E-07
2195	471478.31	3818895.59	9.24E-06	3.88E-05	3.49E-06	7.69E-06	2.85E-05	2.51E-06	8.72E-07	4.99E-06	5.96E-07	7.93E-07	2.61E-06	1.80E-07
2196	471481.88	3818904.45	9.40E-06	3.95E-05	3.55E-06	7.83E-06	2.90E-05	2.55E-06	8.87E-07	5.08E-06	6.06E-07	8.07E-07	2.66E-06	1.83E-07
2197	471485.45	3818913.31	9.55E-06	4.01E-05	3.61E-06	7.96E-06	2.95E-05	2.59E-06	9.02E-07	5.16E-06	6.16E-07	8.20E-07	2.70E-06	1.86E-07
2198	471489.02	3818922.18	9.71E-06	4.08E-05	3.67E-06	8.09E-06	3.00E-05	2.64E-06	9.17E-07	5.25E-06	6.26E-07	8.34E-07	2.75E-06	1.90E-07
2199	471492.59	3818931.04	9.88E-06	4.15E-05	3.74E-06	8.23E-06	3.05E-05	2.68E-06	9.33E-07	5.34E-06	6.37E-07	8.48E-07	2.80E-06	1.93E-07
2200	471499.72	3818948.76	1.02E-05	4.28E-05	3.86E-06	8.50E-06	3.15E-05	2.77E-06	9.63E-07	5.52E-06	6.58E-07	8.76E-07	2.89E-06	1.99E-07
2201	471503.29	3818957.62	1.04E-05	4.35E-05	3.92E-06	8.64E-06	3.20E-05	2.81E-06	9.79E-07	5.60E-06	6.69E-07	8.90E-07	2.93E-06	2.02E-07
2202	471506.86	3818966.49	1.05E-05	4.42E-05	3.98E-06	8.78E-06	3.25E-05	2.86E-06	9.95E-07	5.70E-06	6.80E-07	9.04E-07	2.98E-06	2.06E-07
2203	471510.42	3818975.35	1.07E-05	4.49E-05	4.05E-06	8.91E-06	3.30E-05	2.90E-06	1.01E-06	5.78E-06	6.90E-07	9.18E-07	3.03E-06	2.09E-07
2204	471513.99	3818984.21	1.09E-05	4.56E-05	4.11E-06	9.05E-06	3.35E-05	2.95E-06	1.03E-06	5.87E-06	7.01E-07	9.32E-07	3.07E-06	2.12E-07
2205	471517.56	3818993.07	1.10E-05	4.63E-05	4.17E-06	9.18E-06	3.40E-05	2.99E-06	1.04E-06	5.96E-06	7.11E-07	9.47E-07	3.12E-06	2.15E-07
2206	471521.13	3819001.93	1.12E-05	4.70E-05	4.23E-06	9.32E-06	3.45E-05	3.04E-06	1.06E-06	6.05E-06	7.22E-07	9.61E-07	3.17E-06	2.18E-07
2207	471524.69	3819010.79	1.14E-05	4.77E-05	4.30E-06	9.46E-06	3.50E-05	3.08E-06	1.07E-06	6.14E-06	7.33E-07	9.75E-07	3.21E-06	2.22E-07
2208	471528.26	3819019.66	1.15E-05	4.84E-05	4.36E-06	9.60E-06	3.56E-05	3.13E-06	1.09E-06	6.23E-06	7.43E-07	9.89E-07	3.26E-06	2.25E-07
2209	471531.83	3819028.52	1.17E-05	4.91E-05	4.42E-06	9.73E-06	3.60E-05	3.17E-06	1.10E-06	6.31E-06	7.53E-07	1.00E-06	3.31E-06	2.28E-07
2210	471542.53	3819055.1	1.22E-05	5.10E-05	4.60E-06	1.01E-05	3.75E-05	3.30E-06	1.15E-06	6.57E-06	7.84E-07	1.04E-06	3.44E-06	2.37E-07
2211	471546.1	3819063.96	1.23E-05	5.17E-05	4.66E-06	1.03E-05	3.80E-05	3.34E-06	1.16E-06	6.65E-06	7.94E-07	1.06E-06	3.48E-06	2.40E-07
2212	471549.67	3819072.83	1.25E-05	5.23E-05	4.71E-06	1.04E-05	3.84E-05	3.38E-06	1.18E-06	6.74E-06	8.04E-07	1.07E-06	3.53E-06	2.43E-07
2213	471553.24	3819081.69	1.26E-05	5.30E-05	4.77E-06	1.05E-05	3.89E-05	3.42E-06	1.19E-06	6.82E-06	8.14E-07	1.08E-06	3.57E-06	2.46E-07
2214	471556.8	3819090.55	1.28E-05	5.36E-05	4.83E-06	1.06E-05	3.94E-05	3.46E-06	1.21E-06	6.90E-06	8.23E-07	1.10E-06	3.61E-06	2.49E-07
2215	471560.37	3819099.41	1.29E-05	5.42E-05	4.88E-06	1.08E-05	3.98E-05	3.50E-06	1.22E-06	6.98E-06	8.32E-07	1.11E-06	3.65E-06	2.52E-07
2216	471563.94	3819108.27	1.30E-05	5.48E-05	4.93E-06	1.09E-05	4.03E-05	3.54E-06	1.23E-06	7.05E-06	8.42E-07	1.12E-06	3.69E-06	2.55E-07
2217	471567.51	3819117.13	1.32E-05	5.54E-05	4.98E-06	1.10E-05	4.07E-05	3.58E-06	1.24E-06	7.13E-06	8.50E-07	1.13E-06	3.73E-06	2.57E-07
2218	471571.07	3819126	1.33E-05	5.59E-05	5.04E-06	1.11E-05	4.11E-05	3.61E-06	1.26E-06	7.20E-06	8.59E-07	1.14E-06	3.77E-06	2.60E-07
2219	471574.64	3819134.86	1.34E-05	5.65E-05	5.09E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.27E-06	8.67E-07	1.15E-06	3.81E-06	2.62E-07
2220	471581.78	3819152.58	1.37E-05	5.75E-05	5.18E-06	1.14E-05	4.22E-05	3.72E-06	1.29E-06	7.40E-06	8.83E-07	1.18E-06	3.88E-06	2.67E-07
2221	471585.34	3819161.44	1.38E-05	5.80E-05	5.22E-06	1.15E-05	4.26E-05	3.75E-06	1.30E-06	7.47E-06	8.91E-07	1.19E-06	3.91E-06	2.69E-07
2222	471588.91	3819170.3	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.31E-06	7.53E-06	8.98E-07	1.20E-06	3.94E-06	2.72E-07

2223	471592.48	3819179.17	1.40E-05	5.89E-05	5.31E-06	1.17E-05	4.33E-05	3.81E-06	1.33E-06	7.59E-06	9.05E-07	1.20E-06	3.97E-06	2.74E-07
2224	471596.05	3819188.03	1.41E-05	5.94E-05	5.35E-06	1.18E-05	4.36E-05	3.84E-06	1.33E-06	7.64E-06	9.12E-07	1.21E-06	4.00E-06	2.76E-07
2225	471599.61	3819196.89	1.42E-05	5.98E-05	5.38E-06	1.19E-05	4.39E-05	3.86E-06	1.34E-06	7.69E-06	9.18E-07	1.22E-06	4.03E-06	2.78E-07
2226	471603.18	3819205.75	1.43E-05	6.01E-05	5.42E-06	1.19E-05	4.42E-05	3.89E-06	1.35E-06	7.74E-06	9.24E-07	1.23E-06	4.05E-06	2.79E-07
2227	471606.75	3819214.61	1.44E-05	6.05E-05	5.45E-06	1.20E-05	4.45E-05	3.91E-06	1.36E-06	7.79E-06	9.30E-07	1.24E-06	4.08E-06	2.81E-07
2228	471610.32	3819223.47	1.45E-05	6.09E-05	5.48E-06	1.21E-05	4.47E-05	3.93E-06	1.37E-06	7.84E-06	9.35E-07	1.24E-06	4.10E-06	2.83E-07
2229	470146.99	3817896.54	9.79E-06	4.11E-05	3.70E-06	8.16E-06	3.02E-05	2.66E-06	9.25E-07	5.29E-06	6.32E-07	8.41E-07	2.77E-06	1.91E-07
2230	470137.43	3817896.41	9.82E-06	4.13E-05	3.72E-06	8.18E-06	3.03E-05	2.67E-06	9.28E-07	5.31E-06	6.34E-07	8.43E-07	2.78E-06	1.92E-07
2231	470127.87	3817896.27	9.84E-06	4.13E-05	3.72E-06	8.19E-06	3.04E-05	2.67E-06	9.29E-07	5.32E-06	6.35E-07	8.45E-07	2.78E-06	1.92E-07
2232	470309.85	3817822.46	7.44E-06	3.13E-05	2.81E-06	6.20E-06	2.30E-05	2.02E-06	7.03E-07	4.02E-06	4.80E-07	6.39E-07	2.11E-06	1.45E-07
2233	470318.58	3817826.21	7.38E-06	3.10E-05	2.79E-06	6.15E-06	2.28E-05	2.00E-06	6.97E-07	3.99E-06	4.76E-07	6.33E-07	2.09E-06	1.44E-07
2234	470327.31	3817829.95	7.32E-06	3.07E-05	2.77E-06	6.10E-06	2.26E-05	1.99E-06	6.91E-07	3.96E-06	4.72E-07	6.29E-07	2.07E-06	1.43E-07
2235	470336.04	3817833.7	7.26E-06	3.05E-05	2.75E-06	6.05E-06	2.24E-05	1.97E-06	6.86E-07	3.93E-06	4.69E-07	6.24E-07	2.06E-06	1.42E-07
2236	470344.77	3817837.45	7.22E-06	3.03E-05	2.73E-06	6.01E-06	2.23E-05	1.96E-06	6.81E-07	3.90E-06	4.65E-07	6.19E-07	2.04E-06	1.41E-07
2237	470353.5	3817841.2	7.17E-06	3.01E-05	2.71E-06	5.97E-06	2.21E-05	1.95E-06	6.77E-07	3.87E-06	4.62E-07	6.15E-07	2.03E-06	1.40E-07
2238	470362.24	3817844.94	7.17E-06	3.01E-05	2.71E-06	5.97E-06	2.21E-05	1.95E-06	6.77E-07	3.87E-06	4.62E-07	6.15E-07	2.03E-06	1.40E-07
2239	470370.97	3817848.69	7.11E-06	2.99E-05	2.69E-06	5.93E-06	2.20E-05	1.93E-06	6.72E-07	3.85E-06	4.59E-07	6.11E-07	2.01E-06	1.39E-07
2240	470379.7	3817852.44	7.07E-06	2.97E-05	2.67E-06	5.89E-06	2.18E-05	1.92E-06	6.67E-07	3.82E-06	4.56E-07	6.07E-07	2.00E-06	1.38E-07
2241	470388.43	3817856.19	7.01E-06	2.95E-05	2.65E-06	5.84E-06	2.16E-05	1.90E-06	6.62E-07	3.79E-06	4.52E-07	6.02E-07	1.99E-06	1.37E-07
2242	470397.16	3817859.93	6.96E-06	2.92E-05	2.63E-06	5.80E-06	2.15E-05	1.89E-06	6.57E-07	3.76E-06	4.49E-07	5.98E-07	1.97E-06	1.36E-07
2243	470405.89	3817863.68	6.90E-06	2.90E-05	2.61E-06	5.75E-06	2.13E-05	1.87E-06	6.52E-07	3.73E-06	4.45E-07	5.93E-07	1.95E-06	1.35E-07
2244	470414.62	3817867.43	6.85E-06	2.88E-05	2.59E-06	5.71E-06	2.11E-05	1.86E-06	6.47E-07	3.70E-06	4.42E-07	5.88E-07	1.94E-06	1.34E-07
2245	470423.35	3817871.18	6.80E-06	2.85E-05	2.57E-06	5.66E-06	2.10E-05	1.85E-06	6.42E-07	3.67E-06	4.38E-07	5.84E-07	1.92E-06	1.33E-07
2246	470432.09	3817874.93	6.74E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
2247	470440.82	3817878.67	6.69E-06	2.81E-05	2.53E-06	5.57E-06	2.06E-05	1.82E-06	6.31E-07	3.61E-06	4.31E-07	5.74E-07	1.89E-06	1.30E-07
2248	470449.55	3817882.42	6.62E-06	2.78E-05	2.51E-06	5.52E-06	2.04E-05	1.80E-06	6.26E-07	3.58E-06	4.27E-07	5.69E-07	1.88E-06	1.29E-07
2249	470458.28	3817886.17	6.56E-06	2.76E-05	2.48E-06	5.47E-06	2.02E-05	1.78E-06	6.20E-07	3.55E-06	4.23E-07	5.63E-07	1.86E-06	1.28E-07
2250	470467.01	3817889.92	6.50E-06	2.73E-05	2.46E-06	5.42E-06	2.01E-05	1.77E-06	6.14E-07	3.52E-06	4.20E-07	5.58E-07	1.84E-06	1.27E-07
2251	470475.74	3817893.66	6.45E-06	2.71E-05	2.44E-06	5.37E-06	1.99E-05	1.75E-06	6.09E-07	3.48E-06	4.16E-07	5.53E-07	1.82E-06	1.26E-07
2252	470484.47	3817897.41	6.39E-06	2.68E-05	2.42E-06	5.33E-06	1.97E-05	1.74E-06	6.04E-07	3.46E-06	4.12E-07	5.49E-07	1.81E-06	1.25E-07
2253	470493.21	3817901.16	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.98E-07	3.42E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
2254	470501.94	3817904.91	6.28E-06	2.64E-05	2.38E-06	5.23E-06	1.94E-05	1.71E-06	5.93E-07	3.40E-06	4.05E-07	5.39E-07	1.78E-06	1.23E-07
2255	470510.67	3817908.65	6.23E-06	2.62E-05	2.36E-06	5.19E-06	1.92E-05	1.69E-06	5.88E-07	3.37E-06	4.02E-07	5.35E-07	1.76E-06	1.22E-07
2256	470519.4	3817912.4	6.18E-06	2.59E-05	2.34E-06	5.14E-06	1.91E-05	1.68E-06	5.83E-07	3.34E-06	3.98E-07	5.30E-07	1.75E-06	1.21E-07
2257	470528.13	3817916.15	6.12E-06	2.57E-05	2.32E-06	5.10E-06	1.89E-05	1.66E-06	5.78E-07	3.31E-06	3.95E-07	5.26E-07	1.73E-06	1.19E-07
2258	470536.86	3817919.9	6.07E-06	2.55E-05	2.29E-06	5.05E-06	1.87E-05	1.65E-06	5.73E-07	3.28E-06	3.91E-07	5.21E-07	1.72E-06	1.18E-07
2259	470545.59	3817923.64	6.01E-06	2.53E-05	2.27E-06	5.01E-06	1.86E-05	1.63E-06	5.68E-07	3.25E-06	3.88E-07	5.16E-07	1.70E-06	1.17E-07
2260	470554.32	3817927.39	5.97E-06	2.51E-05	2.26E-06	4.97E-06	1.84E-05	1.62E-06	5.63E-07	3.22E-06	3.85E-07	5.12E-07	1.69E-06	1.16E-07
2261	470563.06	3817931.14	5.92E-06	2.48E-05	2.24E-06	4.93E-06	1.83E-05	1.61E-06	5.59E-07	3.20E-06	3.82E-07	5.08E-07	1.67E-06	1.15E-07
2262	470571.79	3817934.89	5.87E-06	2.46E-05	2.22E-06	4.89E-06	1.81E-05	1.59E-06	5.54E-07	3.17E-06	3.79E-07	5.04E-07	1.66E-06	1.15E-07
2263	470580.52	3817938.63	5.83E-06	2.45E-05	2.20E-06	4.85E-06	1.80E-05	1.58E-06	5.50E-07	3.15E-06	3.76E-07	5.00E-07	1.65E-06	1.14E-07
2264	470589.25	3817942.38	5.78E-06	2.43E-05	2.19E-06	4.81E-06	1.78E-05	1.57E-06	5.46E-07	3.12E-06	3.73E-07	4.96E-07	1.64E-06	1.13E-07

2265	470597.98	3817946.13	5.73E-06	2.41E-05	2.17E-06	4.77E-06	1.77E-05	1.56E-06	5.41E-07	3.10E-06	3.70E-07	4.92E-07	1.62E-06	1.12E-07
2266	470606.71	3817949.88	5.69E-06	2.39E-05	2.15E-06	4.74E-06	1.75E-05	1.54E-06	5.37E-07	3.07E-06	3.67E-07	4.88E-07	1.61E-06	1.11E-07
2267	470615.44	3817953.62	5.64E-06	2.37E-05	2.13E-06	4.70E-06	1.74E-05	1.53E-06	5.33E-07	3.05E-06	3.64E-07	4.84E-07	1.60E-06	1.10E-07
2268	470624.18	3817957.37	5.60E-06	2.35E-05	2.12E-06	4.66E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.58E-06	1.09E-07
2269	470632.91	3817961.12	5.56E-06	2.33E-05	2.10E-06	4.63E-06	1.71E-05	1.51E-06	5.25E-07	3.00E-06	3.58E-07	4.77E-07	1.57E-06	1.08E-07
2270	470641.64	3817964.87	5.52E-06	2.32E-05	2.09E-06	4.60E-06	1.70E-05	1.50E-06	5.21E-07	2.98E-06	3.56E-07	4.74E-07	1.56E-06	1.08E-07
2271	470650.37	3817968.61	5.48E-06	2.30E-05	2.07E-06	4.56E-06	1.69E-05	1.49E-06	5.17E-07	2.96E-06	3.53E-07	4.70E-07	1.55E-06	1.07E-07
2272	470659.1	3817972.36	5.44E-06	2.28E-05	2.06E-06	4.53E-06	1.68E-05	1.48E-06	5.14E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
2273	470667.83	3817976.11	5.40E-06	2.27E-05	2.04E-06	4.50E-06	1.67E-05	1.47E-06	5.10E-07	2.92E-06	3.48E-07	4.63E-07	1.53E-06	1.05E-07
2274	470676.56	3817979.86	5.36E-06	2.25E-05	2.03E-06	4.46E-06	1.65E-05	1.45E-06	5.06E-07	2.90E-06	3.46E-07	4.60E-07	1.52E-06	1.05E-07
2275	470685.29	3817983.6	5.32E-06	2.23E-05	2.01E-06	4.43E-06	1.64E-05	1.44E-06	5.02E-07	2.87E-06	3.43E-07	4.56E-07	1.50E-06	1.04E-07
2276	470694.03	3817987.35	5.28E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
2277	470702.76	3817991.1	5.24E-06	2.20E-05	1.98E-06	4.36E-06	1.62E-05	1.42E-06	4.95E-07	2.83E-06	3.38E-07	4.50E-07	1.48E-06	1.02E-07
2278	470711.49	3817994.85	5.21E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.41E-06	4.92E-07	2.81E-06	3.36E-07	4.47E-07	1.47E-06	1.02E-07
2279	470720.22	3817998.6	5.16E-06	2.17E-05	1.95E-06	4.30E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.33E-07	4.43E-07	1.46E-06	1.01E-07
2280	470728.95	3818002.34	5.12E-06	2.15E-05	1.94E-06	4.27E-06	1.58E-05	1.39E-06	4.84E-07	2.77E-06	3.30E-07	4.40E-07	1.45E-06	1.00E-07
2281	470737.68	3818006.09	5.08E-06	2.14E-05	1.92E-06	4.24E-06	1.57E-05	1.38E-06	4.80E-07	2.75E-06	3.28E-07	4.37E-07	1.44E-06	9.92E-08
2282	470746.41	3818009.84	5.05E-06	2.12E-05	1.91E-06	4.20E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.25E-07	4.33E-07	1.43E-06	9.85E-08
2283	470755.15	3818013.59	5.01E-06	2.10E-05	1.89E-06	4.17E-06	1.55E-05	1.36E-06	4.73E-07	2.71E-06	3.23E-07	4.30E-07	1.42E-06	9.77E-08
2284	470763.88	3818017.33	4.97E-06	2.09E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.69E-07	2.69E-06	3.21E-07	4.27E-07	1.41E-06	9.70E-08
2285	470772.61	3818021.08	4.93E-06	2.07E-05	1.86E-06	4.11E-06	1.52E-05	1.34E-06	4.66E-07	2.67E-06	3.18E-07	4.23E-07	1.40E-06	9.62E-08
2286	470781.34	3818024.83	4.89E-06	2.05E-05	1.85E-06	4.08E-06	1.51E-05	1.33E-06	4.62E-07	2.64E-06	3.16E-07	4.20E-07	1.38E-06	9.55E-08
2287	470790.07	3818028.58	4.86E-06	2.04E-05	1.84E-06	4.05E-06	1.50E-05	1.32E-06	4.59E-07	2.63E-06	3.13E-07	4.17E-07	1.38E-06	9.48E-08
2288	470798.8	3818032.32	4.83E-06	2.03E-05	1.82E-06	4.02E-06	1.49E-05	1.31E-06	4.56E-07	2.61E-06	3.11E-07	4.14E-07	1.37E-06	9.42E-08
2289	470807.53	3818036.07	4.79E-06	2.01E-05	1.81E-06	3.99E-06	1.48E-05	1.30E-06	4.52E-07	2.59E-06	3.09E-07	4.11E-07	1.36E-06	9.35E-08
2290	470816.26	3818039.82	4.76E-06	2.00E-05	1.80E-06	3.96E-06	1.47E-05	1.29E-06	4.49E-07	2.57E-06	3.07E-07	4.08E-07	1.35E-06	9.28E-08
2291	470825	3818043.57	4.72E-06	1.98E-05	1.79E-06	3.93E-06	1.46E-05	1.28E-06	4.46E-07	2.55E-06	3.05E-07	4.06E-07	1.34E-06	9.22E-08
2292	470833.73	3818047.31	4.69E-06	1.97E-05	1.77E-06	3.91E-06	1.45E-05	1.27E-06	4.43E-07	2.54E-06	3.03E-07	4.03E-07	1.33E-06	9.15E-08
2293	470842.46	3818051.06	4.65E-06	1.95E-05	1.76E-06	3.87E-06	1.44E-05	1.26E-06	4.39E-07	2.51E-06	3.00E-07	3.99E-07	1.32E-06	9.08E-08
2294	470851.19	3818054.81	4.61E-06	1.94E-05	1.74E-06	3.84E-06	1.42E-05	1.25E-06	4.36E-07	2.49E-06	2.98E-07	3.96E-07	1.31E-06	9.00E-08
2295	470859.92	3818058.56	4.57E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.93E-07	1.29E-06	8.93E-08
2296	470868.65	3818062.3	4.54E-06	1.91E-05	1.72E-06	3.78E-06	1.40E-05	1.23E-06	4.29E-07	2.45E-06	2.93E-07	3.90E-07	1.29E-06	8.86E-08
2297	470877.38	3818066.05	4.50E-06	1.89E-05	1.70E-06	3.75E-06	1.39E-05	1.22E-06	4.25E-07	2.43E-06	2.90E-07	3.87E-07	1.27E-06	8.79E-08
2298	470886.12	3818069.8	4.46E-06	1.87E-05	1.69E-06	3.72E-06	1.38E-05	1.21E-06	4.22E-07	2.41E-06	2.88E-07	3.83E-07	1.26E-06	8.71E-08
2299	470894.85	3818073.55	4.43E-06	1.86E-05	1.68E-06	3.69E-06	1.37E-05	1.20E-06	4.18E-07	2.40E-06	2.86E-07	3.80E-07	1.25E-06	8.65E-08
2300	470903.58	3818077.29	4.39E-06	1.84E-05	1.66E-06	3.66E-06	1.36E-05	1.19E-06	4.15E-07	2.37E-06	2.83E-07	3.77E-07	1.24E-06	8.57E-08
2301	470912.31	3818081.04	4.35E-06	1.83E-05	1.65E-06	3.63E-06	1.34E-05	1.18E-06	4.11E-07	2.35E-06	2.81E-07	3.74E-07	1.23E-06	8.50E-08
2302	470921.04	3818084.79	4.32E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.42E-08
2303	470929.77	3818088.54	4.28E-06	1.80E-05	1.62E-06	3.57E-06	1.32E-05	1.16E-06	4.04E-07	2.31E-06	2.76E-07	3.68E-07	1.21E-06	8.35E-08
2304	470938.5	3818092.28	4.24E-06	1.78E-05	1.60E-06	3.53E-06	1.31E-05	1.15E-06	4.01E-07	2.29E-06	2.74E-07	3.64E-07	1.20E-06	8.28E-08
2305	470947.24	3818096.03	4.20E-06	1.77E-05	1.59E-06	3.50E-06	1.30E-05	1.14E-06	3.97E-07	2.27E-06	2.71E-07	3.61E-07	1.19E-06	8.20E-08
2306	470955.97	3818099.78	4.16E-06	1.75E-05	1.57E-06	3.47E-06	1.28E-05	1.13E-06	3.93E-07	2.25E-06	2.68E-07	3.57E-07	1.18E-06	8.12E-08

2307	470964.7	3818103.53	4.12E-06	1.73E-05	1.56E-06	3.43E-06	1.27E-05	1.12E-06	3.89E-07	2.23E-06	2.66E-07	3.54E-07	1.17E-06	8.03E-08
2308	470973.43	3818107.27	4.07E-06	1.71E-05	1.54E-06	3.39E-06	1.26E-05	1.11E-06	3.85E-07	2.20E-06	2.63E-07	3.50E-07	1.15E-06	7.95E-08
2309	470982.16	3818111.02	4.03E-06	1.69E-05	1.52E-06	3.36E-06	1.24E-05	1.09E-06	3.81E-07	2.18E-06	2.60E-07	3.46E-07	1.14E-06	7.87E-08
2310	470990.89	3818114.77	3.98E-06	1.67E-05	1.51E-06	3.32E-06	1.23E-05	1.08E-06	3.76E-07	2.15E-06	2.57E-07	3.42E-07	1.13E-06	7.77E-08
2311	470999.62	3818118.52	3.94E-06	1.65E-05	1.49E-06	3.28E-06	1.22E-05	1.07E-06	3.72E-07	2.13E-06	2.54E-07	3.38E-07	1.12E-06	7.69E-08
2312	471008.35	3818122.26	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.59E-08
2313	471017.09	3818126.01	3.86E-06	1.62E-05	1.46E-06	3.21E-06	1.19E-05	1.05E-06	3.64E-07	2.09E-06	2.49E-07	3.31E-07	1.09E-06	7.53E-08
2314	471025.82	3818129.76	3.82E-06	1.61E-05	1.45E-06	3.19E-06	1.18E-05	1.04E-06	3.61E-07	2.07E-06	2.47E-07	3.28E-07	1.08E-06	7.46E-08
2315	471034.55	3818133.51	3.79E-06	1.59E-05	1.43E-06	3.16E-06	1.17E-05	1.03E-06	3.58E-07	2.05E-06	2.45E-07	3.25E-07	1.07E-06	7.40E-08
2316	471043.28	3818137.26	3.76E-06	1.58E-05	1.42E-06	3.13E-06	1.16E-05	1.02E-06	3.55E-07	2.03E-06	2.43E-07	3.23E-07	1.06E-06	7.34E-08
2317	471052.01	3818141	3.72E-06	1.56E-05	1.41E-06	3.10E-06	1.15E-05	1.01E-06	3.52E-07	2.01E-06	2.40E-07	3.20E-07	1.05E-06	7.27E-08
2318	471060.74	3818144.75	3.68E-06	1.55E-05	1.39E-06	3.07E-06	1.14E-05	1.00E-06	3.48E-07	1.99E-06	2.38E-07	3.16E-07	1.04E-06	7.19E-08
2319	471069.47	3818148.5	3.65E-06	1.53E-05	1.38E-06	3.04E-06	1.13E-05	9.90E-07	3.44E-07	1.97E-06	2.35E-07	3.13E-07	1.03E-06	7.11E-08
2320	471078.21	3818152.25	3.61E-06	1.52E-05	1.37E-06	3.01E-06	1.11E-05	9.81E-07	3.41E-07	1.95E-06	2.33E-07	3.10E-07	1.02E-06	7.05E-08
2321	471086.94	3818155.99	3.57E-06	1.50E-05	1.35E-06	2.98E-06	1.10E-05	9.70E-07	3.38E-07	1.93E-06	2.31E-07	3.07E-07	1.01E-06	6.97E-08
2322	471095.67	3818159.74	3.54E-06	1.49E-05	1.34E-06	2.95E-06	1.09E-05	9.61E-07	3.34E-07	1.91E-06	2.28E-07	3.04E-07	1.00E-06	6.91E-08
2323	471104.4	3818163.49	3.51E-06	1.47E-05	1.33E-06	2.92E-06	1.08E-05	9.52E-07	3.31E-07	1.90E-06	2.26E-07	3.01E-07	9.93E-07	6.84E-08
2324	471139.32	3818178.48	3.38E-06	1.42E-05	1.28E-06	2.81E-06	1.04E-05	9.17E-07	3.19E-07	1.83E-06	2.18E-07	2.90E-07	9.56E-07	6.59E-08
2325	471148.06	3818182.23	3.35E-06	1.41E-05	1.27E-06	2.79E-06	1.03E-05	9.09E-07	3.16E-07	1.81E-06	2.16E-07	2.87E-07	9.48E-07	6.53E-08
2326	471156.79	3818185.97	3.32E-06	1.39E-05	1.26E-06	2.76E-06	1.02E-05	9.01E-07	3.13E-07	1.79E-06	2.14E-07	2.85E-07	9.40E-07	6.48E-08
2327	471165.52	3818189.72	3.29E-06	1.38E-05	1.24E-06	2.74E-06	1.02E-05	8.93E-07	3.11E-07	1.78E-06	2.12E-07	2.82E-07	9.31E-07	6.42E-08
2328	471174.25	3818193.47	3.26E-06	1.37E-05	1.23E-06	2.72E-06	1.01E-05	8.85E-07	3.08E-07	1.76E-06	2.10E-07	2.80E-07	9.23E-07	6.36E-08
2329	471182.98	3818197.22	3.24E-06	1.36E-05	1.22E-06	2.70E-06	9.99E-06	8.79E-07	3.06E-07	1.75E-06	2.09E-07	2.78E-07	9.16E-07	6.32E-08
2330	471191.71	3818200.96	3.21E-06	1.35E-05	1.22E-06	2.68E-06	9.92E-06	8.72E-07	3.03E-07	1.74E-06	2.07E-07	2.76E-07	9.10E-07	6.27E-08
2331	471200.44	3818204.71	3.19E-06	1.34E-05	1.21E-06	2.66E-06	9.84E-06	8.66E-07	3.01E-07	1.72E-06	2.06E-07	2.74E-07	9.03E-07	6.22E-08
2332	471209.18	3818208.46	3.17E-06	1.33E-05	1.20E-06	2.64E-06	9.78E-06	8.61E-07	2.99E-07	1.71E-06	2.04E-07	2.72E-07	8.97E-07	6.19E-08
2333	471217.91	3818212.21	3.15E-06	1.32E-05	1.19E-06	2.62E-06	9.71E-06	8.54E-07	2.97E-07	1.70E-06	2.03E-07	2.70E-07	8.91E-07	6.14E-08
2334	471226.64	3818215.95	3.13E-06	1.31E-05	1.18E-06	2.60E-06	9.65E-06	8.49E-07	2.95E-07	1.69E-06	2.02E-07	2.68E-07	8.85E-07	6.10E-08
2335	471235.37	3818219.7	3.11E-06	1.31E-05	1.18E-06	2.59E-06	9.59E-06	8.44E-07	2.93E-07	1.68E-06	2.00E-07	2.67E-07	8.80E-07	6.06E-08
2336	471244.1	3818223.45	3.09E-06	1.30E-05	1.17E-06	2.58E-06	9.55E-06	8.40E-07	2.92E-07	1.67E-06	2.00E-07	2.66E-07	8.76E-07	6.04E-08
2337	471252.83	3818227.2	3.07E-06	1.29E-05	1.16E-06	2.56E-06	9.49E-06	8.34E-07	2.90E-07	1.66E-06	1.98E-07	2.64E-07	8.70E-07	6.00E-08
2338	471261.56	3818230.94	3.06E-06	1.28E-05	1.16E-06	2.55E-06	9.44E-06	8.31E-07	2.89E-07	1.65E-06	1.97E-07	2.63E-07	8.66E-07	5.97E-08
2339	471270.29	3818234.69	3.05E-06	1.28E-05	1.15E-06	2.54E-06	9.40E-06	8.27E-07	2.88E-07	1.65E-06	1.96E-07	2.61E-07	8.62E-07	5.94E-08
2340	471279.03	3818238.44	3.03E-06	1.27E-05	1.15E-06	2.52E-06	9.35E-06	8.23E-07	2.86E-07	1.64E-06	1.95E-07	2.60E-07	8.58E-07	5.91E-08
2341	471287.76	3818242.19	3.02E-06	1.27E-05	1.14E-06	2.52E-06	9.32E-06	8.20E-07	2.85E-07	1.63E-06	1.95E-07	2.59E-07	8.55E-07	5.89E-08
2342	471300.04	3818254.75	3.03E-06	1.27E-05	1.15E-06	2.52E-06	9.35E-06	8.23E-07	2.86E-07	1.64E-06	1.95E-07	2.60E-07	8.58E-07	5.91E-08
2343	471303.59	3818263.56	3.05E-06	1.28E-05	1.16E-06	2.54E-06	9.43E-06	8.29E-07	2.88E-07	1.65E-06	1.97E-07	2.62E-07	8.65E-07	5.96E-08
2344	471307.13	3818272.38	3.08E-06	1.29E-05	1.16E-06	2.56E-06	9.50E-06	8.36E-07	2.91E-07	1.66E-06	1.99E-07	2.64E-07	8.71E-07	6.01E-08
2345	471310.68	3818281.19	3.11E-06	1.31E-05	1.18E-06	2.59E-06	9.59E-06	8.44E-07	2.93E-07	1.68E-06	2.00E-07	2.67E-07	8.80E-07	6.06E-08
2346	471314.23	3818290.01	3.13E-06	1.32E-05	1.18E-06	2.61E-06	9.66E-06	8.50E-07	2.96E-07	1.69E-06	2.02E-07	2.69E-07	8.86E-07	6.11E-08
2347	471317.78	3818298.82	3.16E-06	1.33E-05	1.20E-06	2.63E-06	9.75E-06	8.58E-07	2.98E-07	1.71E-06	2.04E-07	2.71E-07	8.95E-07	6.17E-08
2348	471321.33	3818307.63	3.19E-06	1.34E-05	1.21E-06	2.66E-06	9.86E-06	8.67E-07	3.02E-07	1.73E-06	2.06E-07	2.74E-07	9.04E-07	6.23E-08

2349	471324.88	3818316.45	3.22E-06	1.35E-05	1.22E-06	2.68E-06	9.95E-06	8.75E-07	3.04E-07	1.74E-06	2.08E-07	2.77E-07	9.12E-07	6.29E-08
2350	471328.43	3818325.26	3.26E-06	1.37E-05	1.23E-06	2.71E-06	1.00E-05	8.84E-07	3.08E-07	1.76E-06	2.10E-07	2.80E-07	9.22E-07	6.35E-08
2351	471331.97	3818334.08	3.29E-06	1.38E-05	1.24E-06	2.74E-06	1.02E-05	8.93E-07	3.11E-07	1.78E-06	2.12E-07	2.82E-07	9.31E-07	6.42E-08
2352	471335.52	3818342.89	3.33E-06	1.40E-05	1.26E-06	2.77E-06	1.03E-05	9.04E-07	3.14E-07	1.80E-06	2.15E-07	2.86E-07	9.42E-07	6.50E-08
2353	471339.07	3818351.7	3.36E-06	1.41E-05	1.27E-06	2.80E-06	1.04E-05	9.13E-07	3.18E-07	1.82E-06	2.17E-07	2.89E-07	9.52E-07	6.56E-08
2354	471342.62	3818360.52	3.40E-06	1.43E-05	1.29E-06	2.83E-06	1.05E-05	9.23E-07	3.21E-07	1.84E-06	2.19E-07	2.92E-07	9.63E-07	6.64E-08
2355	471346.17	3818369.33	3.44E-06	1.45E-05	1.30E-06	2.87E-06	1.06E-05	9.35E-07	3.25E-07	1.86E-06	2.22E-07	2.96E-07	9.75E-07	6.72E-08
2356	471349.72	3818378.15	3.48E-06	1.46E-05	1.32E-06	2.90E-06	1.07E-05	9.45E-07	3.29E-07	1.88E-06	2.25E-07	2.99E-07	9.86E-07	6.80E-08
2357	471353.26	3818386.96	3.53E-06	1.48E-05	1.33E-06	2.94E-06	1.09E-05	9.57E-07	3.33E-07	1.91E-06	2.27E-07	3.03E-07	9.98E-07	6.88E-08
2358	471356.81	3818395.77	3.57E-06	1.50E-05	1.35E-06	2.98E-06	1.10E-05	9.70E-07	3.38E-07	1.93E-06	2.31E-07	3.07E-07	1.01E-06	6.97E-08
2359	471360.36	3818404.59	3.62E-06	1.52E-05	1.37E-06	3.01E-06	1.12E-05	9.82E-07	3.42E-07	1.96E-06	2.33E-07	3.11E-07	1.02E-06	7.06E-08
2360	471363.91	3818413.4	3.67E-06	1.54E-05	1.39E-06	3.05E-06	1.13E-05	9.95E-07	3.46E-07	1.98E-06	2.36E-07	3.15E-07	1.04E-06	7.15E-08
2361	471367.46	3818422.22	3.71E-06	1.56E-05	1.40E-06	3.09E-06	1.15E-05	1.01E-06	3.51E-07	2.01E-06	2.40E-07	3.19E-07	1.05E-06	7.25E-08
2362	471378.1	3818448.66	3.87E-06	1.62E-05	1.46E-06	3.22E-06	1.19E-05	1.05E-06	3.65E-07	2.09E-06	2.49E-07	3.32E-07	1.09E-06	7.55E-08
2363	471381.65	3818457.47	3.92E-06	1.65E-05	1.48E-06	3.27E-06	1.21E-05	1.06E-06	3.70E-07	2.12E-06	2.53E-07	3.37E-07	1.11E-06	7.65E-08
2364	471385.2	3818466.29	3.98E-06	1.67E-05	1.50E-06	3.31E-06	1.23E-05	1.08E-06	3.76E-07	2.15E-06	2.57E-07	3.42E-07	1.13E-06	7.76E-08
2365	471388.75	3818475.1	4.03E-06	1.69E-05	1.52E-06	3.36E-06	1.24E-05	1.09E-06	3.81E-07	2.18E-06	2.60E-07	3.46E-07	1.14E-06	7.87E-08
2366	471392.3	3818483.92	4.09E-06	1.72E-05	1.55E-06	3.41E-06	1.26E-05	1.11E-06	3.86E-07	2.21E-06	2.64E-07	3.51E-07	1.16E-06	7.98E-08
2367	471395.85	3818492.73	4.15E-06	1.74E-05	1.57E-06	3.46E-06	1.28E-05	1.13E-06	3.92E-07	2.24E-06	2.68E-07	3.56E-07	1.18E-06	8.10E-08
2368	471399.4	3818501.54	4.21E-06	1.77E-05	1.59E-06	3.51E-06	1.30E-05	1.14E-06	3.97E-07	2.28E-06	2.72E-07	3.61E-07	1.19E-06	8.21E-08
2369	471402.94	3818510.36	4.27E-06	1.79E-05	1.62E-06	3.56E-06	1.32E-05	1.16E-06	4.03E-07	2.31E-06	2.76E-07	3.67E-07	1.21E-06	8.34E-08
2370	471406.49	3818519.17	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.80E-07	3.72E-07	1.23E-06	8.46E-08
2371	471410.04	3818527.99	4.40E-06	1.85E-05	1.66E-06	3.66E-06	1.36E-05	1.19E-06	4.15E-07	2.38E-06	2.84E-07	3.77E-07	1.24E-06	8.58E-08
2372	471413.59	3818536.8	4.46E-06	1.87E-05	1.69E-06	3.72E-06	1.38E-05	1.21E-06	4.22E-07	2.41E-06	2.88E-07	3.83E-07	1.26E-06	8.71E-08
2373	471417.14	3818545.62	4.53E-06	1.90E-05	1.71E-06	3.77E-06	1.40E-05	1.23E-06	4.28E-07	2.45E-06	2.92E-07	3.89E-07	1.28E-06	8.84E-08
2374	471420.69	3818554.43	4.60E-06	1.93E-05	1.74E-06	3.83E-06	1.42E-05	1.25E-06	4.34E-07	2.49E-06	2.97E-07	3.95E-07	1.30E-06	8.97E-08
2375	471424.23	3818563.24	4.67E-06	1.96E-05	1.76E-06	3.89E-06	1.44E-05	1.27E-06	4.41E-07	2.52E-06	3.01E-07	4.01E-07	1.32E-06	9.10E-08
2376	471427.78	3818572.06	4.74E-06	1.99E-05	1.79E-06	3.95E-06	1.46E-05	1.29E-06	4.47E-07	2.56E-06	3.06E-07	4.07E-07	1.34E-06	9.25E-08
2377	471431.33	3818580.87	4.81E-06	2.02E-05	1.82E-06	4.01E-06	1.48E-05	1.31E-06	4.54E-07	2.60E-06	3.10E-07	4.13E-07	1.36E-06	9.39E-08
2378	471434.88	3818589.69	4.89E-06	2.05E-05	1.85E-06	4.07E-06	1.51E-05	1.33E-06	4.62E-07	2.64E-06	3.15E-07	4.20E-07	1.38E-06	9.54E-08
2379	471438.43	3818598.5	4.96E-06	2.08E-05	1.88E-06	4.13E-06	1.53E-05	1.35E-06	4.68E-07	2.68E-06	3.20E-07	4.26E-07	1.40E-06	9.68E-08
2380	471441.98	3818607.31	5.04E-06	2.12E-05	1.90E-06	4.20E-06	1.55E-05	1.37E-06	4.76E-07	2.72E-06	3.25E-07	4.32E-07	1.43E-06	9.83E-08
2381	471445.53	3818616.13	5.12E-06	2.15E-05	1.94E-06	4.26E-06	1.58E-05	1.39E-06	4.83E-07	2.77E-06	3.30E-07	4.39E-07	1.45E-06	9.99E-08
2382	471449.07	3818624.94	5.20E-06	2.18E-05	1.96E-06	4.33E-06	1.60E-05	1.41E-06	4.91E-07	2.81E-06	3.35E-07	4.46E-07	1.47E-06	1.01E-07
2383	471452.62	3818633.76	5.28E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
2384	471456.17	3818642.57	5.36E-06	2.25E-05	2.03E-06	4.47E-06	1.66E-05	1.46E-06	5.07E-07	2.90E-06	3.46E-07	4.60E-07	1.52E-06	1.05E-07
2385	471459.72	3818651.38	5.45E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.14E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
2386	471463.27	3818660.2	5.53E-06	2.32E-05	2.09E-06	4.61E-06	1.71E-05	1.50E-06	5.22E-07	2.99E-06	3.57E-07	4.75E-07	1.57E-06	1.08E-07
2387	471466.82	3818669.01	5.62E-06	2.36E-05	2.13E-06	4.68E-06	1.74E-05	1.53E-06	5.31E-07	3.04E-06	3.63E-07	4.83E-07	1.59E-06	1.10E-07
2388	471470.37	3818677.83	5.71E-06	2.40E-05	2.16E-06	4.76E-06	1.76E-05	1.55E-06	5.40E-07	3.09E-06	3.69E-07	4.91E-07	1.62E-06	1.12E-07
2389	471473.91	3818686.64	5.81E-06	2.44E-05	2.20E-06	4.84E-06	1.79E-05	1.58E-06	5.48E-07	3.14E-06	3.75E-07	4.98E-07	1.64E-06	1.13E-07
2390	471477.46	3818695.46	5.90E-06	2.48E-05	2.23E-06	4.91E-06	1.82E-05	1.60E-06	5.57E-07	3.19E-06	3.80E-07	5.06E-07	1.67E-06	1.15E-07

2391	471481.01	3818704.27	5.99E-06	2.52E-05	2.27E-06	4.99E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
2392	471484.56	3818713.08	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.65E-06	5.76E-07	3.29E-06	3.93E-07	5.23E-07	1.73E-06	1.19E-07
2393	471488.11	3818721.9	6.20E-06	2.60E-05	2.34E-06	5.16E-06	1.91E-05	1.68E-06	5.85E-07	3.35E-06	4.00E-07	5.32E-07	1.75E-06	1.21E-07
2394	471491.66	3818730.71	6.30E-06	2.64E-05	2.38E-06	5.25E-06	1.94E-05	1.71E-06	5.95E-07	3.40E-06	4.06E-07	5.41E-07	1.78E-06	1.23E-07
2395	471495.2	3818739.53	6.40E-06	2.69E-05	2.42E-06	5.33E-06	1.98E-05	1.74E-06	6.05E-07	3.46E-06	4.13E-07	5.50E-07	1.81E-06	1.25E-07
2396	471498.75	3818748.34	6.51E-06	2.73E-05	2.46E-06	5.42E-06	2.01E-05	1.77E-06	6.15E-07	3.52E-06	4.20E-07	5.59E-07	1.84E-06	1.27E-07
2397	471502.3	3818757.15	6.61E-06	2.78E-05	2.50E-06	5.51E-06	2.04E-05	1.80E-06	6.25E-07	3.58E-06	4.27E-07	5.68E-07	1.87E-06	1.29E-07
2398	471505.85	3818765.97	6.73E-06	2.82E-05	2.54E-06	5.60E-06	2.08E-05	1.83E-06	6.35E-07	3.64E-06	4.34E-07	5.77E-07	1.90E-06	1.31E-07
2399	471509.4	3818774.78	6.84E-06	2.87E-05	2.59E-06	5.70E-06	2.11E-05	1.86E-06	6.46E-07	3.70E-06	4.41E-07	5.87E-07	1.94E-06	1.33E-07
2400	471512.95	3818783.6	6.96E-06	2.92E-05	2.63E-06	5.79E-06	2.15E-05	1.89E-06	6.57E-07	3.76E-06	4.49E-07	5.97E-07	1.97E-06	1.36E-07
2401	471516.5	3818792.41	7.07E-06	2.97E-05	2.67E-06	5.89E-06	2.18E-05	1.92E-06	6.68E-07	3.82E-06	4.56E-07	6.07E-07	2.00E-06	1.38E-07
2402	471520.04	3818801.22	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.04E-06	1.40E-07
2403	471523.59	3818810.04	7.31E-06	3.07E-05	2.77E-06	6.09E-06	2.26E-05	1.98E-06	6.90E-07	3.95E-06	4.72E-07	6.28E-07	2.07E-06	1.43E-07
2404	471527.14	3818818.85	7.44E-06	3.12E-05	2.81E-06	6.19E-06	2.30E-05	2.02E-06	7.02E-07	4.02E-06	4.80E-07	6.38E-07	2.11E-06	1.45E-07
2405	471530.69	3818827.67	7.56E-06	3.18E-05	2.86E-06	6.30E-06	2.33E-05	2.05E-06	7.14E-07	4.09E-06	4.88E-07	6.49E-07	2.14E-06	1.48E-07
2406	471541.34	3818854.11	7.95E-06	3.34E-05	3.01E-06	6.62E-06	2.45E-05	2.16E-06	7.50E-07	4.30E-06	5.13E-07	6.82E-07	2.25E-06	1.55E-07
2407	471544.88	3818862.92	8.08E-06	3.39E-05	3.05E-06	6.73E-06	2.49E-05	2.19E-06	7.63E-07	4.37E-06	5.21E-07	6.93E-07	2.29E-06	1.58E-07
2408	471548.43	3818871.74	8.21E-06	3.45E-05	3.11E-06	6.84E-06	2.53E-05	2.23E-06	7.75E-07	4.44E-06	5.30E-07	7.05E-07	2.32E-06	1.60E-07
2409	471551.98	3818880.55	8.35E-06	3.51E-05	3.16E-06	6.95E-06	2.58E-05	2.27E-06	7.88E-07	4.51E-06	5.38E-07	7.17E-07	2.36E-06	1.63E-07
2410	471555.53	3818889.37	8.48E-06	3.56E-05	3.21E-06	7.06E-06	2.62E-05	2.30E-06	8.01E-07	4.58E-06	5.47E-07	7.28E-07	2.40E-06	1.65E-07
2411	471559.08	3818898.18	8.62E-06	3.62E-05	3.26E-06	7.18E-06	2.66E-05	2.34E-06	8.14E-07	4.66E-06	5.56E-07	7.40E-07	2.44E-06	1.68E-07
2412	471562.63	3818906.99	8.76E-06	3.68E-05	3.31E-06	7.29E-06	2.70E-05	2.38E-06	8.27E-07	4.73E-06	5.65E-07	7.52E-07	2.48E-06	1.71E-07
2413	471566.17	3818915.81	8.89E-06	3.74E-05	3.36E-06	7.41E-06	2.74E-05	2.41E-06	8.40E-07	4.81E-06	5.74E-07	7.64E-07	2.52E-06	1.74E-07
2414	471569.72	3818924.62	9.03E-06	3.79E-05	3.42E-06	7.53E-06	2.79E-05	2.45E-06	8.53E-07	4.88E-06	5.83E-07	7.76E-07	2.56E-06	1.76E-07
2415	471573.27	3818933.44	9.18E-06	3.85E-05	3.47E-06	7.65E-06	2.83E-05	2.49E-06	8.67E-07	4.96E-06	5.92E-07	7.88E-07	2.60E-06	1.79E-07
2416	471580.37	3818951.06	9.46E-06	3.97E-05	3.58E-06	7.88E-06	2.92E-05	2.57E-06	8.93E-07	5.11E-06	6.10E-07	8.12E-07	2.68E-06	1.85E-07
2417	471583.92	3818959.88	9.60E-06	4.03E-05	3.63E-06	8.00E-06	2.96E-05	2.61E-06	9.07E-07	5.19E-06	6.19E-07	8.24E-07	2.72E-06	1.87E-07
2418	471587.47	3818968.69	9.74E-06	4.09E-05	3.68E-06	8.11E-06	3.01E-05	2.64E-06	9.20E-07	5.27E-06	6.28E-07	8.36E-07	2.76E-06	1.90E-07
2419	471591.01	3818977.51	9.89E-06	4.15E-05	3.74E-06	8.23E-06	3.05E-05	2.68E-06	9.34E-07	5.34E-06	6.38E-07	8.49E-07	2.80E-06	1.93E-07
2420	471594.56	3818986.32	1.00E-05	4.21E-05	3.79E-06	8.35E-06	3.09E-05	2.72E-06	9.47E-07	5.42E-06	6.47E-07	8.61E-07	2.84E-06	1.96E-07
2421	471598.11	3818995.14	1.02E-05	4.27E-05	3.84E-06	8.47E-06	3.14E-05	2.76E-06	9.60E-07	5.50E-06	6.56E-07	8.73E-07	2.88E-06	1.98E-07
2422	471601.66	3819003.95	1.03E-05	4.33E-05	3.90E-06	8.58E-06	3.18E-05	2.80E-06	9.73E-07	5.57E-06	6.65E-07	8.85E-07	2.92E-06	2.01E-07
2423	471605.21	3819012.76	1.04E-05	4.39E-05	3.95E-06	8.70E-06	3.22E-05	2.84E-06	9.86E-07	5.65E-06	6.74E-07	8.97E-07	2.96E-06	2.04E-07
2424	471608.76	3819021.58	1.06E-05	4.44E-05	4.00E-06	8.82E-06	3.27E-05	2.87E-06	9.99E-07	5.72E-06	6.83E-07	9.09E-07	3.00E-06	2.07E-07
2425	471612.31	3819030.39	1.07E-05	4.50E-05	4.05E-06	8.93E-06	3.31E-05	2.91E-06	1.01E-06	5.79E-06	6.91E-07	9.20E-07	3.03E-06	2.09E-07
2426	471622.95	3819056.83	1.11E-05	4.67E-05	4.20E-06	9.26E-06	3.43E-05	3.02E-06	1.05E-06	6.01E-06	7.17E-07	9.54E-07	3.15E-06	2.17E-07
2427	471626.5	3819065.65	1.12E-05	4.72E-05	4.25E-06	9.37E-06	3.47E-05	3.05E-06	1.06E-06	6.08E-06	7.25E-07	9.66E-07	3.18E-06	2.19E-07
2428	471630.05	3819074.46	1.14E-05	4.78E-05	4.30E-06	9.47E-06	3.51E-05	3.09E-06	1.07E-06	6.15E-06	7.34E-07	9.76E-07	3.22E-06	2.22E-07
2429	471633.6	3819083.28	1.15E-05	4.83E-05	4.35E-06	9.58E-06	3.55E-05	3.12E-06	1.09E-06	6.22E-06	7.42E-07	9.87E-07	3.25E-06	2.24E-07
2430	471637.14	3819092.09	1.16E-05	4.88E-05	4.39E-06	9.68E-06	3.58E-05	3.15E-06	1.10E-06	6.28E-06	7.49E-07	9.97E-07	3.29E-06	2.27E-07
2431	471640.69	3819100.91	1.17E-05	4.93E-05	4.44E-06	9.78E-06	3.62E-05	3.19E-06	1.11E-06	6.35E-06	7.57E-07	1.01E-06	3.32E-06	2.29E-07
2432	471644.24	3819109.72	1.19E-05	4.98E-05	4.48E-06	9.87E-06	3.66E-05	3.22E-06	1.12E-06	6.41E-06	7.65E-07	1.02E-06	3.36E-06	2.31E-07

2433	471647.79	3819118.53	1.20E-05	5.03E-05	4.53E-06	9.97E-06	3.69E-05	3.25E-06	1.13E-06	6.47E-06	7.72E-07	1.03E-06	3.39E-06	2.34E-07
2434	471651.34	3819127.35	1.21E-05	5.07E-05	4.57E-06	1.01E-05	3.73E-05	3.28E-06	1.14E-06	6.53E-06	7.79E-07	1.04E-06	3.42E-06	2.36E-07
2435	471654.89	3819136.16	1.22E-05	5.12E-05	4.61E-06	1.01E-05	3.76E-05	3.31E-06	1.15E-06	6.59E-06	7.86E-07	1.05E-06	3.45E-06	2.38E-07
2436	471661.98	3819153.79	1.24E-05	5.20E-05	4.68E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.70E-06	7.99E-07	1.06E-06	3.51E-06	2.42E-07
2437	471665.53	3819162.6	1.25E-05	5.24E-05	4.72E-06	1.04E-05	3.85E-05	3.39E-06	1.18E-06	6.75E-06	8.05E-07	1.07E-06	3.53E-06	2.44E-07
2438	471669.08	3819171.42	1.26E-05	5.28E-05	4.76E-06	1.05E-05	3.88E-05	3.41E-06	1.19E-06	6.80E-06	8.11E-07	1.08E-06	3.56E-06	2.45E-07
2439	471672.63	3819180.23	1.27E-05	5.32E-05	4.79E-06	1.06E-05	3.91E-05	3.44E-06	1.20E-06	6.85E-06	8.17E-07	1.09E-06	3.59E-06	2.47E-07
2440	471676.18	3819189.05	1.27E-05	5.35E-05	4.82E-06	1.06E-05	3.93E-05	3.46E-06	1.20E-06	6.89E-06	8.22E-07	1.09E-06	3.61E-06	2.49E-07
2441	471679.73	3819197.86	1.28E-05	5.39E-05	4.85E-06	1.07E-05	3.96E-05	3.48E-06	1.21E-06	6.94E-06	8.28E-07	1.10E-06	3.63E-06	2.50E-07
2442	471683.28	3819206.67	1.29E-05	5.42E-05	4.88E-06	1.08E-05	3.98E-05	3.50E-06	1.22E-06	6.98E-06	8.32E-07	1.11E-06	3.65E-06	2.52E-07
2443	471686.82	3819215.49	1.30E-05	5.45E-05	4.91E-06	1.08E-05	4.01E-05	3.52E-06	1.23E-06	7.02E-06	8.37E-07	1.11E-06	3.67E-06	2.53E-07
2444	471690.37	3819224.3	1.30E-05	5.48E-05	4.93E-06	1.09E-05	4.03E-05	3.54E-06	1.23E-06	7.05E-06	8.42E-07	1.12E-06	3.69E-06	2.55E-07
2445	470301.12	3817818.71	7.50E-06	3.15E-05	2.84E-06	6.25E-06	2.32E-05	2.04E-06	7.09E-07	4.06E-06	4.84E-07	6.44E-07	2.12E-06	1.46E-07
2446	470291.55	3817818.58	7.61E-06	3.20E-05	2.88E-06	6.34E-06	2.35E-05	2.07E-06	7.19E-07	4.11E-06	4.91E-07	6.53E-07	2.15E-06	1.48E-07
2447	470281.99	3817818.44	7.72E-06	3.24E-05	2.92E-06	6.43E-06	2.38E-05	2.09E-06	7.29E-07	4.17E-06	4.98E-07	6.62E-07	2.18E-06	1.51E-07
2448	470272.43	3817818.31	7.82E-06	3.28E-05	2.96E-06	6.52E-06	2.41E-05	2.12E-06	7.39E-07	4.23E-06	5.05E-07	6.71E-07	2.21E-06	1.53E-07
2449	470262.87	3817818.17	7.93E-06	3.33E-05	3.00E-06	6.60E-06	2.45E-05	2.15E-06	7.49E-07	4.29E-06	5.11E-07	6.81E-07	2.24E-06	1.55E-07
2450	470253.3	3817818.04	8.03E-06	3.37E-05	3.04E-06	6.69E-06	2.48E-05	2.18E-06	7.59E-07	4.34E-06	5.18E-07	6.90E-07	2.27E-06	1.57E-07
2451	470243.74	3817817.9	8.14E-06	3.42E-05	3.08E-06	6.78E-06	2.51E-05	2.21E-06	7.69E-07	4.40E-06	5.25E-07	6.99E-07	2.30E-06	1.59E-07
2452	470234.18	3817817.77	8.24E-06	3.46E-05	3.12E-06	6.86E-06	2.54E-05	2.24E-06	7.78E-07	4.45E-06	5.32E-07	7.07E-07	2.33E-06	1.61E-07
2453	470224.62	3817817.63	8.34E-06	3.50E-05	3.15E-06	6.94E-06	2.57E-05	2.26E-06	7.87E-07	4.51E-06	5.38E-07	7.16E-07	2.36E-06	1.63E-07
2454	470215.06	3817817.5	8.43E-06	3.54E-05	3.19E-06	7.02E-06	2.60E-05	2.29E-06	7.96E-07	4.56E-06	5.44E-07	7.24E-07	2.39E-06	1.65E-07
2455	470205.49	3817817.36	8.52E-06	3.58E-05	3.22E-06	7.10E-06	2.63E-05	2.31E-06	8.05E-07	4.61E-06	5.50E-07	7.31E-07	2.41E-06	1.66E-07
2456	470195.93	3817817.23	8.60E-06	3.61E-05	3.25E-06	7.16E-06	2.65E-05	2.33E-06	8.12E-07	4.65E-06	5.55E-07	7.38E-07	2.43E-06	1.68E-07
2457	470311.01	3817742.48	6.74E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
2458	470319.77	3817746.24	6.68E-06	2.81E-05	2.53E-06	5.57E-06	2.06E-05	1.81E-06	6.31E-07	3.61E-06	4.31E-07	5.74E-07	1.89E-06	1.30E-07
2459	470328.53	3817750	6.62E-06	2.78E-05	2.51E-06	5.52E-06	2.04E-05	1.80E-06	6.26E-07	3.58E-06	4.27E-07	5.69E-07	1.88E-06	1.29E-07
2460	470337.29	3817753.76	6.57E-06	2.76E-05	2.48E-06	5.47E-06	2.03E-05	1.78E-06	6.20E-07	3.55E-06	4.24E-07	5.64E-07	1.86E-06	1.28E-07
2461	470346.06	3817757.52	6.51E-06	2.74E-05	2.46E-06	5.43E-06	2.01E-05	1.77E-06	6.15E-07	3.52E-06	4.20E-07	5.59E-07	1.84E-06	1.27E-07
2462	470354.82	3817761.28	6.46E-06	2.71E-05	2.44E-06	5.38E-06	1.99E-05	1.75E-06	6.10E-07	3.49E-06	4.17E-07	5.55E-07	1.83E-06	1.26E-07
2463	470363.58	3817765.04	6.41E-06	2.69E-05	2.43E-06	5.34E-06	1.98E-05	1.74E-06	6.06E-07	3.47E-06	4.14E-07	5.50E-07	1.82E-06	1.25E-07
2464	470372.34	3817768.81	6.36E-06	2.67E-05	2.41E-06	5.30E-06	1.96E-05	1.73E-06	6.01E-07	3.44E-06	4.11E-07	5.46E-07	1.80E-06	1.24E-07
2465	470381.1	3817772.57	6.32E-06	2.65E-05	2.39E-06	5.26E-06	1.95E-05	1.71E-06	5.96E-07	3.41E-06	4.07E-07	5.42E-07	1.79E-06	1.23E-07
2466	470389.87	3817776.33	6.27E-06	2.63E-05	2.37E-06	5.22E-06	1.93E-05	1.70E-06	5.92E-07	3.39E-06	4.04E-07	5.38E-07	1.77E-06	1.22E-07
2467	470398.63	3817780.09	6.30E-06	2.65E-05	2.38E-06	5.25E-06	1.94E-05	1.71E-06	5.95E-07	3.41E-06	4.06E-07	5.41E-07	1.78E-06	1.23E-07
2468	470407.39	3817783.85	6.26E-06	2.63E-05	2.37E-06	5.21E-06	1.93E-05	1.70E-06	5.91E-07	3.38E-06	4.04E-07	5.37E-07	1.77E-06	1.22E-07
2469	470416.15	3817787.61	6.21E-06	2.61E-05	2.35E-06	5.17E-06	1.91E-05	1.68E-06	5.86E-07	3.35E-06	4.00E-07	5.33E-07	1.76E-06	1.21E-07
2470	470424.91	3817791.37	6.15E-06	2.58E-05	2.33E-06	5.12E-06	1.90E-05	1.67E-06	5.81E-07	3.32E-06	3.97E-07	5.28E-07	1.74E-06	1.20E-07
2471	470433.68	3817795.13	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.65E-06	5.76E-07	3.29E-06	3.93E-07	5.23E-07	1.73E-06	1.19E-07
2472	470442.44	3817798.89	6.04E-06	2.54E-05	2.29E-06	5.03E-06	1.86E-05	1.64E-06	5.71E-07	3.27E-06	3.90E-07	5.19E-07	1.71E-06	1.18E-07
2473	470451.2	3817802.65	5.99E-06	2.52E-05	2.27E-06	4.99E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
2474	470459.96	3817806.41	5.94E-06	2.50E-05	2.25E-06	4.95E-06	1.83E-05	1.61E-06	5.61E-07	3.21E-06	3.83E-07	5.10E-07	1.68E-06	1.16E-07

2475	470468.72	3817810.17	5.89E-06	2.47E-05	2.23E-06	4.90E-06	1.82E-05	1.60E-06	5.56E-07	3.18E-06	3.80E-07	5.05E-07	1.67E-06	1.15E-07
2476	470477.49	3817813.93	5.84E-06	2.45E-05	2.21E-06	4.86E-06	1.80E-05	1.58E-06	5.51E-07	3.15E-06	3.76E-07	5.01E-07	1.65E-06	1.14E-07
2477	470486.25	3817817.7	5.79E-06	2.43E-05	2.19E-06	4.82E-06	1.79E-05	1.57E-06	5.46E-07	3.13E-06	3.73E-07	4.97E-07	1.64E-06	1.13E-07
2478	470495.01	3817821.46	5.74E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.42E-07	3.10E-06	3.70E-07	4.93E-07	1.62E-06	1.12E-07
2479	470503.77	3817825.22	5.69E-06	2.39E-05	2.15E-06	4.74E-06	1.76E-05	1.54E-06	5.37E-07	3.08E-06	3.67E-07	4.89E-07	1.61E-06	1.11E-07
2480	470512.54	3817828.98	5.64E-06	2.37E-05	2.13E-06	4.70E-06	1.74E-05	1.53E-06	5.33E-07	3.05E-06	3.64E-07	4.84E-07	1.60E-06	1.10E-07
2481	470521.3	3817832.74	5.59E-06	2.35E-05	2.12E-06	4.66E-06	1.73E-05	1.52E-06	5.28E-07	3.02E-06	3.61E-07	4.80E-07	1.58E-06	1.09E-07
2482	470530.06	3817836.5	5.55E-06	2.33E-05	2.10E-06	4.62E-06	1.71E-05	1.51E-06	5.24E-07	3.00E-06	3.58E-07	4.77E-07	1.57E-06	1.08E-07
2483	470538.82	3817840.26	5.50E-06	2.31E-05	2.08E-06	4.58E-06	1.70E-05	1.49E-06	5.20E-07	2.98E-06	3.55E-07	4.72E-07	1.56E-06	1.07E-07
2484	470547.58	3817844.02	5.46E-06	2.29E-05	2.06E-06	4.55E-06	1.68E-05	1.48E-06	5.16E-07	2.95E-06	3.52E-07	4.69E-07	1.55E-06	1.07E-07
2485	470556.35	3817847.78	5.42E-06	2.27E-05	2.05E-06	4.51E-06	1.67E-05	1.47E-06	5.12E-07	2.93E-06	3.49E-07	4.65E-07	1.53E-06	1.06E-07
2486	470565.11	3817851.54	5.37E-06	2.25E-05	2.03E-06	4.47E-06	1.66E-05	1.46E-06	5.07E-07	2.90E-06	3.46E-07	4.61E-07	1.52E-06	1.05E-07
2487	470573.87	3817855.3	5.33E-06	2.24E-05	2.01E-06	4.44E-06	1.64E-05	1.45E-06	5.03E-07	2.88E-06	3.43E-07	4.57E-07	1.51E-06	1.04E-07
2488	470582.63	3817859.06	5.28E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
2489	470591.39	3817862.82	5.24E-06	2.20E-05	1.98E-06	4.36E-06	1.62E-05	1.42E-06	4.95E-07	2.83E-06	3.38E-07	4.50E-07	1.48E-06	1.02E-07
2490	470600.16	3817866.59	5.20E-06	2.18E-05	1.97E-06	4.33E-06	1.60E-05	1.41E-06	4.91E-07	2.81E-06	3.35E-07	4.46E-07	1.47E-06	1.01E-07
2491	470608.92	3817870.35	5.16E-06	2.17E-05	1.95E-06	4.30E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.33E-07	4.43E-07	1.46E-06	1.01E-07
2492	470617.68	3817874.11	5.12E-06	2.15E-05	1.94E-06	4.27E-06	1.58E-05	1.39E-06	4.84E-07	2.77E-06	3.30E-07	4.40E-07	1.45E-06	1.00E-07
2493	470626.44	3817877.87	5.08E-06	2.14E-05	1.92E-06	4.24E-06	1.57E-05	1.38E-06	4.80E-07	2.75E-06	3.28E-07	4.37E-07	1.44E-06	9.92E-08
2494	470635.2	3817881.63	5.04E-06	2.12E-05	1.91E-06	4.20E-06	1.56E-05	1.37E-06	4.76E-07	2.73E-06	3.25E-07	4.33E-07	1.43E-06	9.84E-08
2495	470643.97	3817885.39	5.00E-06	2.10E-05	1.89E-06	4.17E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.23E-07	4.29E-07	1.42E-06	9.76E-08
2496	470652.73	3817889.15	4.96E-06	2.08E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.69E-07	2.68E-06	3.20E-07	4.26E-07	1.41E-06	9.69E-08
2497	470661.49	3817892.91	4.93E-06	2.07E-05	1.86E-06	4.10E-06	1.52E-05	1.34E-06	4.65E-07	2.66E-06	3.18E-07	4.23E-07	1.39E-06	9.61E-08
2498	470670.25	3817896.67	4.89E-06	2.05E-05	1.85E-06	4.08E-06	1.51E-05	1.33E-06	4.62E-07	2.64E-06	3.16E-07	4.20E-07	1.38E-06	9.55E-08
2499	470679.01	3817900.43	4.85E-06	2.04E-05	1.84E-06	4.04E-06	1.50E-05	1.32E-06	4.58E-07	2.62E-06	3.13E-07	4.17E-07	1.37E-06	9.47E-08
2500	470687.78	3817904.19	4.82E-06	2.02E-05	1.82E-06	4.01E-06	1.49E-05	1.31E-06	4.55E-07	2.61E-06	3.11E-07	4.14E-07	1.36E-06	9.41E-08
2501	470696.54	3817907.95	4.79E-06	2.01E-05	1.81E-06	3.99E-06	1.48E-05	1.30E-06	4.52E-07	2.59E-06	3.09E-07	4.11E-07	1.36E-06	9.35E-08
2502	470705.3	3817911.71	4.76E-06	2.00E-05	1.80E-06	3.97E-06	1.47E-05	1.29E-06	4.50E-07	2.57E-06	3.07E-07	4.09E-07	1.35E-06	9.29E-08
2503	470714.06	3817915.48	4.73E-06	1.99E-05	1.79E-06	3.94E-06	1.46E-05	1.28E-06	4.47E-07	2.56E-06	3.05E-07	4.06E-07	1.34E-06	9.23E-08
2504	470722.83	3817919.24	4.70E-06	1.97E-05	1.78E-06	3.91E-06	1.45E-05	1.28E-06	4.44E-07	2.54E-06	3.03E-07	4.03E-07	1.33E-06	9.17E-08
2505	470731.59	3817923	4.67E-06	1.96E-05	1.77E-06	3.89E-06	1.44E-05	1.27E-06	4.41E-07	2.53E-06	3.01E-07	4.01E-07	1.32E-06	9.11E-08
2506	470740.35	3817926.76	4.64E-06	1.95E-05	1.76E-06	3.87E-06	1.43E-05	1.26E-06	4.38E-07	2.51E-06	2.99E-07	3.99E-07	1.31E-06	9.06E-08
2507	470749.11	3817930.52	4.61E-06	1.94E-05	1.74E-06	3.84E-06	1.42E-05	1.25E-06	4.35E-07	2.49E-06	2.97E-07	3.96E-07	1.30E-06	8.99E-08
2508	470757.87	3817934.28	4.57E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.93E-07	1.29E-06	8.93E-08
2509	470766.64	3817938.04	4.54E-06	1.91E-05	1.72E-06	3.78E-06	1.40E-05	1.23E-06	4.29E-07	2.45E-06	2.93E-07	3.90E-07	1.29E-06	8.86E-08
2510	470775.4	3817941.8	4.51E-06	1.89E-05	1.70E-06	3.75E-06	1.39E-05	1.22E-06	4.26E-07	2.44E-06	2.91E-07	3.87E-07	1.28E-06	8.80E-08
2511	470784.16	3817945.56	4.48E-06	1.88E-05	1.69E-06	3.73E-06	1.38E-05	1.22E-06	4.23E-07	2.42E-06	2.89E-07	3.84E-07	1.27E-06	8.74E-08
2512	470792.92	3817949.32	4.45E-06	1.87E-05	1.68E-06	3.71E-06	1.37E-05	1.21E-06	4.21E-07	2.41E-06	2.87E-07	3.82E-07	1.26E-06	8.69E-08
2513	470801.68	3817953.08	4.43E-06	1.86E-05	1.67E-06	3.69E-06	1.37E-05	1.20E-06	4.18E-07	2.39E-06	2.85E-07	3.80E-07	1.25E-06	8.64E-08
2514	470810.45	3817956.84	4.40E-06	1.85E-05	1.66E-06	3.66E-06	1.36E-05	1.19E-06	4.15E-07	2.38E-06	2.84E-07	3.77E-07	1.24E-06	8.58E-08
2515	470819.21	3817960.6	4.37E-06	1.83E-05	1.65E-06	3.64E-06	1.35E-05	1.19E-06	4.12E-07	2.36E-06	2.82E-07	3.75E-07	1.24E-06	8.52E-08
2516	470827.97	3817964.37	4.34E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.10E-07	2.35E-06	2.80E-07	3.72E-07	1.23E-06	8.47E-08

2517	470836.73	3817968.13	4.31E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.41E-08
2518	470845.49	3817971.89	4.28E-06	1.80E-05	1.62E-06	3.56E-06	1.32E-05	1.16E-06	4.04E-07	2.31E-06	2.76E-07	3.67E-07	1.21E-06	8.34E-08
2519	470854.26	3817975.65	4.25E-06	1.78E-05	1.61E-06	3.54E-06	1.31E-05	1.15E-06	4.01E-07	2.30E-06	2.74E-07	3.65E-07	1.20E-06	8.29E-08
2520	470863.02	3817979.41	4.21E-06	1.77E-05	1.59E-06	3.51E-06	1.30E-05	1.14E-06	3.98E-07	2.28E-06	2.72E-07	3.62E-07	1.19E-06	8.22E-08
2521	470871.78	3817983.17	4.18E-06	1.76E-05	1.58E-06	3.48E-06	1.29E-05	1.13E-06	3.95E-07	2.26E-06	2.70E-07	3.59E-07	1.18E-06	8.16E-08
2522	470880.54	3817986.93	4.15E-06	1.74E-05	1.57E-06	3.45E-06	1.28E-05	1.13E-06	3.92E-07	2.24E-06	2.67E-07	3.56E-07	1.17E-06	8.09E-08
2523	470889.3	3817990.69	4.12E-06	1.73E-05	1.56E-06	3.43E-06	1.27E-05	1.12E-06	3.89E-07	2.23E-06	2.66E-07	3.54E-07	1.17E-06	8.03E-08
2524	470898.07	3817994.45	4.08E-06	1.72E-05	1.54E-06	3.40E-06	1.26E-05	1.11E-06	3.86E-07	2.21E-06	2.63E-07	3.51E-07	1.16E-06	7.97E-08
2525	470906.83	3817998.21	4.06E-06	1.70E-05	1.53E-06	3.38E-06	1.25E-05	1.10E-06	3.83E-07	2.19E-06	2.62E-07	3.48E-07	1.15E-06	7.91E-08
2526	470915.59	3818001.97	4.02E-06	1.69E-05	1.52E-06	3.35E-06	1.24E-05	1.09E-06	3.80E-07	2.17E-06	2.59E-07	3.45E-07	1.14E-06	7.85E-08
2527	470924.35	3818005.73	3.99E-06	1.67E-05	1.51E-06	3.32E-06	1.23E-05	1.08E-06	3.77E-07	2.16E-06	2.57E-07	3.42E-07	1.13E-06	7.78E-08
2528	470933.12	3818009.49	3.95E-06	1.66E-05	1.50E-06	3.29E-06	1.22E-05	1.07E-06	3.73E-07	2.14E-06	2.55E-07	3.39E-07	1.12E-06	7.72E-08
2529	470941.88	3818013.26	3.93E-06	1.65E-05	1.48E-06	3.27E-06	1.21E-05	1.07E-06	3.71E-07	2.12E-06	2.53E-07	3.37E-07	1.11E-06	7.66E-08
2530	470950.64	3818017.02	3.90E-06	1.64E-05	1.47E-06	3.25E-06	1.20E-05	1.06E-06	3.68E-07	2.11E-06	2.51E-07	3.35E-07	1.10E-06	7.60E-08
2531	470959.4	3818020.78	3.86E-06	1.62E-05	1.46E-06	3.22E-06	1.19E-05	1.05E-06	3.65E-07	2.09E-06	2.49E-07	3.32E-07	1.09E-06	7.54E-08
2532	470968.16	3818024.54	3.83E-06	1.61E-05	1.45E-06	3.19E-06	1.18E-05	1.04E-06	3.62E-07	2.07E-06	2.47E-07	3.29E-07	1.08E-06	7.47E-08
2533	470976.93	3818028.3	3.80E-06	1.59E-05	1.44E-06	3.16E-06	1.17E-05	1.03E-06	3.58E-07	2.05E-06	2.45E-07	3.26E-07	1.07E-06	7.41E-08
2534	470985.69	3818032.06	3.77E-06	1.58E-05	1.42E-06	3.14E-06	1.16E-05	1.02E-06	3.56E-07	2.04E-06	2.43E-07	3.23E-07	1.07E-06	7.35E-08
2535	470994.45	3818035.82	3.74E-06	1.57E-05	1.42E-06	3.12E-06	1.15E-05	1.02E-06	3.53E-07	2.02E-06	2.41E-07	3.21E-07	1.06E-06	7.30E-08
2536	471003.21	3818039.58	3.71E-06	1.56E-05	1.40E-06	3.09E-06	1.15E-05	1.01E-06	3.51E-07	2.01E-06	2.40E-07	3.19E-07	1.05E-06	7.25E-08
2537	471011.97	3818043.34	3.68E-06	1.54E-05	1.39E-06	3.06E-06	1.13E-05	9.98E-07	3.47E-07	1.99E-06	2.37E-07	3.16E-07	1.04E-06	7.17E-08
2538	471020.74	3818047.1	3.64E-06	1.53E-05	1.38E-06	3.03E-06	1.12E-05	9.89E-07	3.44E-07	1.97E-06	2.35E-07	3.13E-07	1.03E-06	7.11E-08
2539	471029.5	3818050.86	3.61E-06	1.52E-05	1.36E-06	3.01E-06	1.11E-05	9.79E-07	3.41E-07	1.95E-06	2.33E-07	3.10E-07	1.02E-06	7.04E-08
2540	471038.26	3818054.62	3.57E-06	1.50E-05	1.35E-06	2.98E-06	1.10E-05	9.70E-07	3.38E-07	1.93E-06	2.31E-07	3.07E-07	1.01E-06	6.97E-08
2541	471047.02	3818058.38	3.54E-06	1.48E-05	1.34E-06	2.95E-06	1.09E-05	9.60E-07	3.34E-07	1.91E-06	2.28E-07	3.04E-07	1.00E-06	6.90E-08
2542	471055.78	3818062.15	3.50E-06	1.47E-05	1.32E-06	2.92E-06	1.08E-05	9.51E-07	3.31E-07	1.89E-06	2.26E-07	3.01E-07	9.91E-07	6.83E-08
2543	471064.55	3818065.91	3.47E-06	1.46E-05	1.31E-06	2.89E-06	1.07E-05	9.42E-07	3.28E-07	1.88E-06	2.24E-07	2.98E-07	9.82E-07	6.77E-08
2544	471073.31	3818069.67	3.43E-06	1.44E-05	1.30E-06	2.86E-06	1.06E-05	9.32E-07	3.24E-07	1.86E-06	2.22E-07	2.95E-07	9.72E-07	6.70E-08
2545	471082.07	3818073.43	3.40E-06	1.43E-05	1.29E-06	2.83E-06	1.05E-05	9.23E-07	3.21E-07	1.84E-06	2.19E-07	2.92E-07	9.63E-07	6.64E-08
2546	471090.83	3818077.19	3.37E-06	1.41E-05	1.27E-06	2.80E-06	1.04E-05	9.14E-07	3.18E-07	1.82E-06	2.17E-07	2.89E-07	9.53E-07	6.57E-08
2547	471099.59	3818080.95	3.33E-06	1.40E-05	1.26E-06	2.78E-06	1.03E-05	9.05E-07	3.15E-07	1.80E-06	2.15E-07	2.86E-07	9.44E-07	6.51E-08
2548	471108.36	3818084.71	3.30E-06	1.39E-05	1.25E-06	2.75E-06	1.02E-05	8.96E-07	3.12E-07	1.78E-06	2.13E-07	2.83E-07	9.34E-07	6.44E-08
2549	471117.12	3818088.47	3.27E-06	1.37E-05	1.24E-06	2.72E-06	1.01E-05	8.88E-07	3.09E-07	1.77E-06	2.11E-07	2.81E-07	9.26E-07	6.38E-08
2550	471125.88	3818092.23	3.24E-06	1.36E-05	1.22E-06	2.70E-06	9.99E-06	8.79E-07	3.06E-07	1.75E-06	2.09E-07	2.78E-07	9.16E-07	6.32E-08
2551	471169.69	3818111.04	3.09E-06	1.30E-05	1.17E-06	2.57E-06	9.53E-06	8.38E-07	2.92E-07	1.67E-06	1.99E-07	2.65E-07	8.74E-07	6.03E-08
2552	471178.45	3818114.8	3.06E-06	1.28E-05	1.16E-06	2.55E-06	9.44E-06	8.31E-07	2.89E-07	1.65E-06	1.97E-07	2.63E-07	8.66E-07	5.97E-08
2553	471187.22	3818118.56	3.03E-06	1.27E-05	1.15E-06	2.52E-06	9.35E-06	8.23E-07	2.86E-07	1.64E-06	1.95E-07	2.60E-07	8.58E-07	5.91E-08
2554	471195.98	3818122.32	3.01E-06	1.26E-05	1.14E-06	2.50E-06	9.28E-06	8.16E-07	2.84E-07	1.63E-06	1.94E-07	2.58E-07	8.51E-07	5.87E-08
2555	471204.74	3818126.08	2.98E-06	1.25E-05	1.13E-06	2.48E-06	9.19E-06	8.08E-07	2.81E-07	1.61E-06	1.92E-07	2.56E-07	8.43E-07	5.81E-08
2556	471213.5	3818129.84	2.95E-06	1.24E-05	1.12E-06	2.46E-06	9.11E-06	8.02E-07	2.79E-07	1.60E-06	1.91E-07	2.54E-07	8.36E-07	5.76E-08
2557	471222.26	3818133.6	2.93E-06	1.23E-05	1.11E-06	2.44E-06	9.04E-06	7.95E-07	2.77E-07	1.58E-06	1.89E-07	2.51E-07	8.29E-07	5.72E-08
2558	471231.03	3818137.36	2.91E-06	1.22E-05	1.10E-06	2.42E-06	8.97E-06	7.89E-07	2.74E-07	1.57E-06	1.87E-07	2.49E-07	8.22E-07	5.67E-08

2559	471239.79	3818141.12	2.89E-06	1.21E-05	1.09E-06	2.40E-06	8.91E-06	7.84E-07	2.73E-07	1.56E-06	1.86E-07	2.48E-07	8.17E-07	5.63E-08
2560	471248.55	3818144.88	2.87E-06	1.20E-05	1.08E-06	2.39E-06	8.85E-06	7.78E-07	2.71E-07	1.55E-06	1.85E-07	2.46E-07	8.12E-07	5.59E-08
2561	471257.31	3818148.64	2.84E-06	1.19E-05	1.08E-06	2.37E-06	8.77E-06	7.72E-07	2.68E-07	1.54E-06	1.83E-07	2.44E-07	8.05E-07	5.55E-08
2562	471266.07	3818152.4	2.82E-06	1.19E-05	1.07E-06	2.35E-06	8.71E-06	7.67E-07	2.67E-07	1.53E-06	1.82E-07	2.42E-07	7.99E-07	5.51E-08
2563	471274.84	3818156.16	2.81E-06	1.18E-05	1.06E-06	2.34E-06	8.67E-06	7.63E-07	2.65E-07	1.52E-06	1.81E-07	2.41E-07	7.95E-07	5.48E-08
2564	471283.6	3818159.93	2.79E-06	1.17E-05	1.06E-06	2.32E-06	8.61E-06	7.57E-07	2.63E-07	1.51E-06	1.80E-07	2.40E-07	7.90E-07	5.44E-08
2565	471292.36	3818163.69	2.78E-06	1.17E-05	1.05E-06	2.31E-06	8.57E-06	7.53E-07	2.62E-07	1.50E-06	1.79E-07	2.38E-07	7.86E-07	5.42E-08
2566	471301.12	3818167.45	2.76E-06	1.16E-05	1.04E-06	2.30E-06	8.52E-06	7.50E-07	2.61E-07	1.49E-06	1.78E-07	2.37E-07	7.82E-07	5.39E-08
2567	471309.89	3818171.21	2.75E-06	1.15E-05	1.04E-06	2.29E-06	8.48E-06	7.46E-07	2.59E-07	1.48E-06	1.77E-07	2.36E-07	7.77E-07	5.36E-08
2568	471318.65	3818174.97	2.73E-06	1.15E-05	1.03E-06	2.28E-06	8.43E-06	7.42E-07	2.58E-07	1.48E-06	1.76E-07	2.35E-07	7.73E-07	5.33E-08
2569	471327.41	3818178.73	2.72E-06	1.14E-05	1.03E-06	2.26E-06	8.39E-06	7.38E-07	2.57E-07	1.47E-06	1.75E-07	2.33E-07	7.69E-07	5.30E-08
2570	471336.17	3818182.49	2.71E-06	1.14E-05	1.02E-06	2.26E-06	8.36E-06	7.35E-07	2.56E-07	1.46E-06	1.75E-07	2.32E-07	7.67E-07	5.28E-08
2571	471344.93	3818186.25	2.70E-06	1.13E-05	1.02E-06	2.25E-06	8.33E-06	7.33E-07	2.55E-07	1.46E-06	1.74E-07	2.32E-07	7.64E-07	5.27E-08
2572	471357.26	3818198.86	2.71E-06	1.14E-05	1.02E-06	2.26E-06	8.36E-06	7.35E-07	2.56E-07	1.46E-06	1.75E-07	2.32E-07	7.67E-07	5.28E-08
2573	471360.82	3818207.7	2.73E-06	1.15E-05	1.03E-06	2.27E-06	8.42E-06	7.40E-07	2.58E-07	1.47E-06	1.76E-07	2.34E-07	7.72E-07	5.32E-08
2574	471364.38	3818216.55	2.75E-06	1.15E-05	1.04E-06	2.29E-06	8.48E-06	7.46E-07	2.59E-07	1.48E-06	1.77E-07	2.36E-07	7.77E-07	5.36E-08
2575	471367.94	3818225.39	2.77E-06	1.16E-05	1.05E-06	2.31E-06	8.55E-06	7.52E-07	2.62E-07	1.50E-06	1.79E-07	2.38E-07	7.84E-07	5.41E-08
2576	471371.5	3818234.24	2.79E-06	1.17E-05	1.06E-06	2.33E-06	8.62E-06	7.59E-07	2.64E-07	1.51E-06	1.80E-07	2.40E-07	7.91E-07	5.45E-08
2577	471375.06	3818243.08	2.82E-06	1.18E-05	1.07E-06	2.35E-06	8.70E-06	7.65E-07	2.66E-07	1.52E-06	1.82E-07	2.42E-07	7.98E-07	5.50E-08
2578	471378.62	3818251.93	2.84E-06	1.19E-05	1.08E-06	2.37E-06	8.77E-06	7.72E-07	2.68E-07	1.54E-06	1.83E-07	2.44E-07	8.05E-07	5.55E-08
2579	471382.18	3818260.77	2.87E-06	1.21E-05	1.09E-06	2.39E-06	8.86E-06	7.80E-07	2.71E-07	1.55E-06	1.85E-07	2.47E-07	8.13E-07	5.60E-08
2580	471385.74	3818269.62	2.90E-06	1.22E-05	1.10E-06	2.41E-06	8.94E-06	7.86E-07	2.73E-07	1.57E-06	1.87E-07	2.49E-07	8.20E-07	5.65E-08
2581	471389.31	3818278.46	2.93E-06	1.23E-05	1.11E-06	2.44E-06	9.04E-06	7.95E-07	2.77E-07	1.58E-06	1.89E-07	2.51E-07	8.29E-07	5.72E-08
2582	471392.87	3818287.31	2.96E-06	1.24E-05	1.12E-06	2.46E-06	9.13E-06	8.03E-07	2.79E-07	1.60E-06	1.91E-07	2.54E-07	8.37E-07	5.77E-08
2583	471396.43	3818296.15	2.99E-06	1.25E-05	1.13E-06	2.49E-06	9.22E-06	8.11E-07	2.82E-07	1.62E-06	1.93E-07	2.56E-07	8.46E-07	5.83E-08
2584	471399.99	3818305	3.02E-06	1.27E-05	1.14E-06	2.52E-06	9.32E-06	8.20E-07	2.85E-07	1.63E-06	1.95E-07	2.59E-07	8.55E-07	5.89E-08
2585	471403.55	3818313.84	3.05E-06	1.28E-05	1.16E-06	2.54E-06	9.43E-06	8.29E-07	2.88E-07	1.65E-06	1.97E-07	2.62E-07	8.65E-07	5.96E-08
2586	471407.11	3818322.69	3.09E-06	1.30E-05	1.17E-06	2.57E-06	9.53E-06	8.38E-07	2.92E-07	1.67E-06	1.99E-07	2.65E-07	8.74E-07	6.03E-08
2587	471410.67	3818331.53	3.13E-06	1.31E-05	1.18E-06	2.60E-06	9.65E-06	8.49E-07	2.95E-07	1.69E-06	2.02E-07	2.68E-07	8.85E-07	6.10E-08
2588	471414.23	3818340.38	3.17E-06	1.33E-05	1.20E-06	2.64E-06	9.77E-06	8.59E-07	2.99E-07	1.71E-06	2.04E-07	2.72E-07	8.96E-07	6.18E-08
2589	471417.79	3818349.22	3.20E-06	1.35E-05	1.21E-06	2.67E-06	9.89E-06	8.70E-07	3.03E-07	1.73E-06	2.07E-07	2.75E-07	9.07E-07	6.25E-08
2590	471421.35	3818358.07	3.24E-06	1.36E-05	1.23E-06	2.70E-06	1.00E-05	8.80E-07	3.06E-07	1.75E-06	2.09E-07	2.78E-07	9.18E-07	6.33E-08
2591	471424.92	3818366.91	3.28E-06	1.38E-05	1.24E-06	2.73E-06	1.01E-05	8.91E-07	3.10E-07	1.77E-06	2.12E-07	2.82E-07	9.29E-07	6.40E-08
2592	471428.48	3818375.76	3.32E-06	1.40E-05	1.26E-06	2.77E-06	1.03E-05	9.02E-07	3.14E-07	1.80E-06	2.14E-07	2.85E-07	9.41E-07	6.49E-08
2593	471432.04	3818384.61	3.37E-06	1.41E-05	1.27E-06	2.80E-06	1.04E-05	9.14E-07	3.18E-07	1.82E-06	2.17E-07	2.89E-07	9.53E-07	6.57E-08
2594	471435.6	3818393.45	3.41E-06	1.43E-05	1.29E-06	2.84E-06	1.05E-05	9.26E-07	3.22E-07	1.84E-06	2.20E-07	2.93E-07	9.65E-07	6.66E-08
2595	471439.16	3818402.3	3.45E-06	1.45E-05	1.31E-06	2.88E-06	1.07E-05	9.38E-07	3.26E-07	1.87E-06	2.23E-07	2.97E-07	9.78E-07	6.74E-08
2596	471442.72	3818411.14	3.50E-06	1.47E-05	1.32E-06	2.92E-06	1.08E-05	9.51E-07	3.31E-07	1.89E-06	2.26E-07	3.01E-07	9.91E-07	6.83E-08
2597	471446.28	3818419.99	3.55E-06	1.49E-05	1.34E-06	2.96E-06	1.10E-05	9.64E-07	3.35E-07	1.92E-06	2.29E-07	3.05E-07	1.00E-06	6.93E-08
2598	471449.84	3818428.83	3.60E-06	1.51E-05	1.36E-06	3.00E-06	1.11E-05	9.77E-07	3.40E-07	1.95E-06	2.32E-07	3.09E-07	1.02E-06	7.02E-08
2599	471460.53	3818455.37	3.75E-06	1.57E-05	1.42E-06	3.12E-06	1.16E-05	1.02E-06	3.54E-07	2.03E-06	2.42E-07	3.22E-07	1.06E-06	7.31E-08
2600	471464.09	3818464.21	3.80E-06	1.60E-05	1.44E-06	3.17E-06	1.17E-05	1.03E-06	3.59E-07	2.05E-06	2.45E-07	3.26E-07	1.08E-06	7.42E-08

2601	471467.65	3818473.06	3.85E-06	1.62E-05	1.46E-06	3.21E-06	1.19E-05	1.05E-06	3.64E-07	2.08E-06	2.49E-07	3.31E-07	1.09E-06	7.52E-08
2602	471471.21	3818481.9	3.91E-06	1.64E-05	1.48E-06	3.25E-06	1.21E-05	1.06E-06	3.69E-07	2.11E-06	2.52E-07	3.35E-07	1.11E-06	7.62E-08
2603	471474.77	3818490.75	3.96E-06	1.66E-05	1.50E-06	3.30E-06	1.22E-05	1.08E-06	3.74E-07	2.14E-06	2.56E-07	3.40E-07	1.12E-06	7.73E-08
2604	471478.33	3818499.59	4.02E-06	1.69E-05	1.52E-06	3.35E-06	1.24E-05	1.09E-06	3.79E-07	2.17E-06	2.59E-07	3.45E-07	1.14E-06	7.84E-08
2605	471481.89	3818508.44	4.07E-06	1.71E-05	1.54E-06	3.39E-06	1.26E-05	1.11E-06	3.85E-07	2.20E-06	2.63E-07	3.50E-07	1.15E-06	7.95E-08
2606	471485.45	3818517.28	4.13E-06	1.74E-05	1.56E-06	3.44E-06	1.28E-05	1.12E-06	3.90E-07	2.23E-06	2.67E-07	3.55E-07	1.17E-06	8.06E-08
2607	471489.01	3818526.13	4.19E-06	1.76E-05	1.59E-06	3.49E-06	1.29E-05	1.14E-06	3.96E-07	2.27E-06	2.71E-07	3.60E-07	1.19E-06	8.19E-08
2608	471492.57	3818534.97	4.25E-06	1.79E-05	1.61E-06	3.54E-06	1.31E-05	1.15E-06	4.02E-07	2.30E-06	2.74E-07	3.65E-07	1.20E-06	8.30E-08
2609	471496.14	3818543.82	4.32E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.42E-08
2610	471499.7	3818552.66	4.38E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.13E-07	2.37E-06	2.82E-07	3.76E-07	1.24E-06	8.54E-08
2611	471503.26	3818561.51	4.44E-06	1.86E-05	1.68E-06	3.70E-06	1.37E-05	1.21E-06	4.19E-07	2.40E-06	2.86E-07	3.81E-07	1.26E-06	8.66E-08
2612	471506.82	3818570.35	4.51E-06	1.89E-05	1.70E-06	3.75E-06	1.39E-05	1.22E-06	4.26E-07	2.44E-06	2.91E-07	3.87E-07	1.28E-06	8.80E-08
2613	471510.38	3818579.2	4.57E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.93E-07	1.29E-06	8.93E-08
2614	471513.94	3818588.04	4.64E-06	1.95E-05	1.76E-06	3.87E-06	1.43E-05	1.26E-06	4.38E-07	2.51E-06	2.99E-07	3.99E-07	1.31E-06	9.06E-08
2615	471517.5	3818596.89	4.71E-06	1.98E-05	1.78E-06	3.92E-06	1.45E-05	1.28E-06	4.45E-07	2.55E-06	3.04E-07	4.04E-07	1.33E-06	9.19E-08
2616	471521.06	3818605.73	4.78E-06	2.01E-05	1.81E-06	3.98E-06	1.48E-05	1.30E-06	4.52E-07	2.59E-06	3.08E-07	4.10E-07	1.35E-06	9.33E-08
2617	471524.62	3818614.58	4.85E-06	2.04E-05	1.84E-06	4.04E-06	1.50E-05	1.32E-06	4.58E-07	2.62E-06	3.13E-07	4.17E-07	1.37E-06	9.47E-08
2618	471528.18	3818623.42	4.93E-06	2.07E-05	1.86E-06	4.10E-06	1.52E-05	1.34E-06	4.65E-07	2.66E-06	3.18E-07	4.23E-07	1.39E-06	9.61E-08
2619	471531.75	3818632.27	5.00E-06	2.10E-05	1.89E-06	4.17E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.23E-07	4.29E-07	1.42E-06	9.76E-08
2620	471535.31	3818641.11	5.08E-06	2.13E-05	1.92E-06	4.23E-06	1.57E-05	1.38E-06	4.80E-07	2.75E-06	3.28E-07	4.36E-07	1.44E-06	9.91E-08
2621	471538.87	3818649.96	5.16E-06	2.17E-05	1.95E-06	4.30E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.33E-07	4.43E-07	1.46E-06	1.01E-07
2622	471542.43	3818658.81	5.23E-06	2.20E-05	1.98E-06	4.36E-06	1.62E-05	1.42E-06	4.94E-07	2.83E-06	3.38E-07	4.49E-07	1.48E-06	1.02E-07
2623	471545.99	3818667.65	5.32E-06	2.23E-05	2.01E-06	4.43E-06	1.64E-05	1.44E-06	5.02E-07	2.87E-06	3.43E-07	4.56E-07	1.50E-06	1.04E-07
2624	471549.55	3818676.5	5.40E-06	2.27E-05	2.04E-06	4.50E-06	1.67E-05	1.47E-06	5.10E-07	2.92E-06	3.48E-07	4.63E-07	1.53E-06	1.05E-07
2625	471553.11	3818685.34	5.48E-06	2.30E-05	2.07E-06	4.57E-06	1.69E-05	1.49E-06	5.18E-07	2.96E-06	3.54E-07	4.71E-07	1.55E-06	1.07E-07
2626	471556.67	3818694.19	5.57E-06	2.34E-05	2.11E-06	4.64E-06	1.72E-05	1.51E-06	5.26E-07	3.01E-06	3.59E-07	4.78E-07	1.58E-06	1.09E-07
2627	471560.23	3818703.03	5.66E-06	2.38E-05	2.14E-06	4.71E-06	1.75E-05	1.54E-06	5.34E-07	3.06E-06	3.65E-07	4.86E-07	1.60E-06	1.10E-07
2628	471563.79	3818711.88	5.75E-06	2.41E-05	2.17E-06	4.79E-06	1.77E-05	1.56E-06	5.43E-07	3.11E-06	3.71E-07	4.93E-07	1.63E-06	1.12E-07
2629	471567.36	3818720.72	5.84E-06	2.45E-05	2.21E-06	4.86E-06	1.80E-05	1.59E-06	5.51E-07	3.16E-06	3.77E-07	5.01E-07	1.65E-06	1.14E-07
2630	471570.92	3818729.57	5.93E-06	2.49E-05	2.24E-06	4.94E-06	1.83E-05	1.61E-06	5.60E-07	3.21E-06	3.83E-07	5.09E-07	1.68E-06	1.16E-07
2631	471574.48	3818738.41	6.03E-06	2.53E-05	2.28E-06	5.02E-06	1.86E-05	1.64E-06	5.69E-07	3.26E-06	3.89E-07	5.17E-07	1.71E-06	1.18E-07
2632	471578.04	3818747.26	6.12E-06	2.57E-05	2.32E-06	5.10E-06	1.89E-05	1.66E-06	5.78E-07	3.31E-06	3.95E-07	5.26E-07	1.73E-06	1.19E-07
2633	471581.6	3818756.1	6.22E-06	2.61E-05	2.35E-06	5.19E-06	1.92E-05	1.69E-06	5.88E-07	3.37E-06	4.02E-07	5.34E-07	1.76E-06	1.21E-07
2634	471585.16	3818764.95	6.32E-06	2.65E-05	2.39E-06	5.27E-06	1.95E-05	1.72E-06	5.97E-07	3.42E-06	4.08E-07	5.43E-07	1.79E-06	1.23E-07
2635	471588.72	3818773.79	6.43E-06	2.70E-05	2.43E-06	5.35E-06	1.98E-05	1.74E-06	6.07E-07	3.47E-06	4.15E-07	5.52E-07	1.82E-06	1.25E-07
2636	471592.28	3818782.64	6.53E-06	2.74E-05	2.47E-06	5.44E-06	2.01E-05	1.77E-06	6.16E-07	3.53E-06	4.21E-07	5.60E-07	1.85E-06	1.27E-07
2637	471595.84	3818791.48	6.63E-06	2.79E-05	2.51E-06	5.53E-06	2.05E-05	1.80E-06	6.26E-07	3.59E-06	4.28E-07	5.69E-07	1.88E-06	1.29E-07
2638	471599.4	3818800.33	6.74E-06	2.83E-05	2.55E-06	5.61E-06	2.08E-05	1.83E-06	6.36E-07	3.64E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
2639	471602.97	3818809.17	6.85E-06	2.88E-05	2.59E-06	5.71E-06	2.11E-05	1.86E-06	6.47E-07	3.70E-06	4.42E-07	5.88E-07	1.94E-06	1.34E-07
2640	471606.53	3818818.02	6.96E-06	2.92E-05	2.63E-06	5.80E-06	2.15E-05	1.89E-06	6.57E-07	3.76E-06	4.49E-07	5.98E-07	1.97E-06	1.36E-07
2641	471610.09	3818826.86	7.07E-06	2.97E-05	2.67E-06	5.89E-06	2.18E-05	1.92E-06	6.68E-07	3.82E-06	4.56E-07	6.07E-07	2.00E-06	1.38E-07
2642	471620.77	3818853.4	7.41E-06	3.11E-05	2.80E-06	6.17E-06	2.29E-05	2.01E-06	7.00E-07	4.01E-06	4.78E-07	6.36E-07	2.10E-06	1.45E-07

2643	471624.33	3818862.24	7.53E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.11E-07	4.07E-06	4.86E-07	6.47E-07	2.13E-06	1.47E-07
2644	471627.89	3818871.09	7.65E-06	3.21E-05	2.89E-06	6.37E-06	2.36E-05	2.08E-06	7.22E-07	4.13E-06	4.93E-07	6.57E-07	2.17E-06	1.49E-07
2645	471631.45	3818879.93	7.77E-06	3.26E-05	2.94E-06	6.47E-06	2.40E-05	2.11E-06	7.34E-07	4.20E-06	5.01E-07	6.67E-07	2.20E-06	1.52E-07
2646	471635.01	3818888.78	7.89E-06	3.31E-05	2.98E-06	6.57E-06	2.43E-05	2.14E-06	7.45E-07	4.27E-06	5.09E-07	6.77E-07	2.23E-06	1.54E-07
2647	471638.58	3818897.62	8.01E-06	3.36E-05	3.03E-06	6.67E-06	2.47E-05	2.17E-06	7.56E-07	4.33E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
2648	471642.14	3818906.47	8.13E-06	3.41E-05	3.07E-06	6.77E-06	2.51E-05	2.21E-06	7.68E-07	4.40E-06	5.24E-07	6.98E-07	2.30E-06	1.59E-07
2649	471645.7	3818915.31	8.25E-06	3.47E-05	3.12E-06	6.88E-06	2.55E-05	2.24E-06	7.80E-07	4.46E-06	5.32E-07	7.09E-07	2.34E-06	1.61E-07
2650	471649.26	3818924.16	8.38E-06	3.52E-05	3.17E-06	6.98E-06	2.58E-05	2.27E-06	7.91E-07	4.53E-06	5.40E-07	7.19E-07	2.37E-06	1.63E-07
2651	471652.82	3818933.01	8.50E-06	3.57E-05	3.21E-06	7.08E-06	2.62E-05	2.31E-06	8.03E-07	4.60E-06	5.48E-07	7.30E-07	2.41E-06	1.66E-07
2652	471659.94	3818950.7	8.75E-06	3.67E-05	3.31E-06	7.28E-06	2.70E-05	2.37E-06	8.26E-07	4.73E-06	5.64E-07	7.51E-07	2.48E-06	1.71E-07
2653	471663.5	3818959.54	8.87E-06	3.72E-05	3.35E-06	7.38E-06	2.74E-05	2.41E-06	8.37E-07	4.79E-06	5.72E-07	7.61E-07	2.51E-06	1.73E-07
2654	471667.06	3818968.39	8.99E-06	3.78E-05	3.40E-06	7.49E-06	2.77E-05	2.44E-06	8.49E-07	4.86E-06	5.80E-07	7.72E-07	2.55E-06	1.75E-07
2655	471670.62	3818977.23	9.11E-06	3.83E-05	3.45E-06	7.59E-06	2.81E-05	2.47E-06	8.60E-07	4.93E-06	5.88E-07	7.82E-07	2.58E-06	1.78E-07
2656	471674.19	3818986.08	9.24E-06	3.88E-05	3.49E-06	7.69E-06	2.85E-05	2.51E-06	8.72E-07	4.99E-06	5.96E-07	7.93E-07	2.61E-06	1.80E-07
2657	471677.75	3818994.92	9.36E-06	3.93E-05	3.54E-06	7.79E-06	2.89E-05	2.54E-06	8.84E-07	5.06E-06	6.04E-07	8.03E-07	2.65E-06	1.83E-07
2658	471681.31	3819003.77	9.48E-06	3.98E-05	3.58E-06	7.89E-06	2.92E-05	2.57E-06	8.95E-07	5.12E-06	6.11E-07	8.14E-07	2.68E-06	1.85E-07
2659	471684.87	3819012.61	9.60E-06	4.03E-05	3.63E-06	7.99E-06	2.96E-05	2.61E-06	9.06E-07	5.19E-06	6.19E-07	8.24E-07	2.72E-06	1.87E-07
2660	471688.43	3819021.46	9.71E-06	4.08E-05	3.67E-06	8.09E-06	3.00E-05	2.64E-06	9.17E-07	5.25E-06	6.26E-07	8.34E-07	2.75E-06	1.90E-07
2661	471691.99	3819030.3	9.83E-06	4.13E-05	3.72E-06	8.19E-06	3.03E-05	2.67E-06	9.29E-07	5.32E-06	6.34E-07	8.44E-07	2.78E-06	1.92E-07
2662	471702.67	3819056.84	1.02E-05	4.27E-05	3.85E-06	8.47E-06	3.14E-05	2.76E-06	9.60E-07	5.50E-06	6.56E-07	8.73E-07	2.88E-06	1.98E-07
2663	471706.23	3819065.68	1.03E-05	4.32E-05	3.89E-06	8.56E-06	3.17E-05	2.79E-06	9.71E-07	5.56E-06	6.63E-07	8.83E-07	2.91E-06	2.01E-07
2664	471709.79	3819074.53	1.04E-05	4.36E-05	3.93E-06	8.66E-06	3.21E-05	2.82E-06	9.81E-07	5.62E-06	6.70E-07	8.92E-07	2.94E-06	2.03E-07
2665	471713.36	3819083.37	1.05E-05	4.41E-05	3.97E-06	8.74E-06	3.24E-05	2.85E-06	9.91E-07	5.67E-06	6.77E-07	9.01E-07	2.97E-06	2.05E-07
2666	471716.92	3819092.22	1.06E-05	4.45E-05	4.01E-06	8.83E-06	3.27E-05	2.88E-06	1.00E-06	5.73E-06	6.84E-07	9.10E-07	3.00E-06	2.07E-07
2667	471720.48	3819101.06	1.07E-05	4.49E-05	4.05E-06	8.91E-06	3.30E-05	2.90E-06	1.01E-06	5.78E-06	6.90E-07	9.18E-07	3.03E-06	2.09E-07
2668	471724.04	3819109.91	1.08E-05	4.54E-05	4.08E-06	9.00E-06	3.33E-05	2.93E-06	1.02E-06	5.84E-06	6.97E-07	9.27E-07	3.06E-06	2.11E-07
2669	471727.6	3819118.75	1.09E-05	4.58E-05	4.12E-06	9.08E-06	3.36E-05	2.96E-06	1.03E-06	5.89E-06	7.03E-07	9.35E-07	3.08E-06	2.13E-07
2670	471731.16	3819127.6	1.10E-05	4.61E-05	4.16E-06	9.15E-06	3.39E-05	2.98E-06	1.04E-06	5.94E-06	7.09E-07	9.43E-07	3.11E-06	2.14E-07
2671	471741.84	3819154.13	1.13E-05	4.73E-05	4.26E-06	9.37E-06	3.47E-05	3.05E-06	1.06E-06	6.08E-06	7.26E-07	9.66E-07	3.19E-06	2.20E-07
2672	471745.4	3819162.98	1.13E-05	4.76E-05	4.28E-06	9.44E-06	3.50E-05	3.08E-06	1.07E-06	6.12E-06	7.31E-07	9.73E-07	3.21E-06	2.21E-07
2673	471748.97	3819171.82	1.14E-05	4.79E-05	4.31E-06	9.50E-06	3.52E-05	3.10E-06	1.08E-06	6.17E-06	7.36E-07	9.79E-07	3.23E-06	2.23E-07
2674	471752.53	3819180.67	1.15E-05	4.82E-05	4.34E-06	9.56E-06	3.54E-05	3.12E-06	1.08E-06	6.21E-06	7.41E-07	9.86E-07	3.25E-06	2.24E-07
2675	471756.09	3819189.51	1.16E-05	4.85E-05	4.37E-06	9.62E-06	3.57E-05	3.14E-06	1.09E-06	6.25E-06	7.45E-07	9.92E-07	3.27E-06	2.25E-07
2676	471759.65	3819198.36	1.16E-05	4.88E-05	4.40E-06	9.68E-06	3.59E-05	3.15E-06	1.10E-06	6.28E-06	7.50E-07	9.98E-07	3.29E-06	2.27E-07
2677	471763.21	3819207.21	1.17E-05	4.91E-05	4.42E-06	9.74E-06	3.61E-05	3.17E-06	1.10E-06	6.32E-06	7.54E-07	1.00E-06	3.31E-06	2.28E-07
2678	471766.77	3819216.05	1.17E-05	4.93E-05	4.44E-06	9.78E-06	3.63E-05	3.19E-06	1.11E-06	6.35E-06	7.58E-07	1.01E-06	3.33E-06	2.29E-07
2679	471770.33	3819224.9	1.18E-05	4.96E-05	4.47E-06	9.84E-06	3.64E-05	3.21E-06	1.12E-06	6.38E-06	7.62E-07	1.01E-06	3.34E-06	2.30E-07
2680	470302.24	3817738.72	6.81E-06	2.86E-05	2.58E-06	5.67E-06	2.10E-05	1.85E-06	6.43E-07	3.68E-06	4.39E-07	5.85E-07	1.93E-06	1.33E-07
2681	470292.68	3817738.58	6.91E-06	2.90E-05	2.61E-06	5.76E-06	2.13E-05	1.88E-06	6.53E-07	3.74E-06	4.46E-07	5.93E-07	1.96E-06	1.35E-07
2682	470283.12	3817738.45	7.00E-06	2.94E-05	2.65E-06	5.83E-06	2.16E-05	1.90E-06	6.61E-07	3.79E-06	4.52E-07	6.01E-07	1.98E-06	1.37E-07
2683	470273.56	3817738.31	7.10E-06	2.98E-05	2.69E-06	5.91E-06	2.19E-05	1.93E-06	6.71E-07	3.84E-06	4.58E-07	6.10E-07	2.01E-06	1.39E-07
2684	470264	3817738.18	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.04E-06	1.40E-07

2685	470254.43	3817738.04	7.29E-06	3.06E-05	2.76E-06	6.07E-06	2.25E-05	1.98E-06	6.88E-07	3.94E-06	4.70E-07	6.26E-07	2.06E-06	1.42E-07
2686	470244.87	3817737.91	7.38E-06	3.10E-05	2.79E-06	6.15E-06	2.28E-05	2.00E-06	6.97E-07	3.99E-06	4.76E-07	6.33E-07	2.09E-06	1.44E-07
2687	470235.31	3817737.77	7.47E-06	3.14E-05	2.83E-06	6.22E-06	2.31E-05	2.03E-06	7.05E-07	4.04E-06	4.82E-07	6.41E-07	2.11E-06	1.46E-07
2688	470225.75	3817737.64	7.56E-06	3.17E-05	2.86E-06	6.29E-06	2.33E-05	2.05E-06	7.14E-07	4.09E-06	4.87E-07	6.49E-07	2.14E-06	1.47E-07
2689	470216.18	3817737.5	7.64E-06	3.21E-05	2.89E-06	6.37E-06	2.36E-05	2.08E-06	7.22E-07	4.13E-06	4.93E-07	6.56E-07	2.16E-06	1.49E-07
2690	470206.62	3817737.37	7.72E-06	3.24E-05	2.92E-06	6.43E-06	2.38E-05	2.10E-06	7.29E-07	4.17E-06	4.98E-07	6.63E-07	2.19E-06	1.51E-07
2691	470197.06	3817737.23	7.79E-06	3.27E-05	2.95E-06	6.49E-06	2.40E-05	2.12E-06	7.36E-07	4.21E-06	5.03E-07	6.69E-07	2.21E-06	1.52E-07
2692	470187.5	3817737.1	7.86E-06	3.30E-05	2.97E-06	6.55E-06	2.43E-05	2.13E-06	7.42E-07	4.25E-06	5.07E-07	6.75E-07	2.22E-06	1.53E-07
2693	470177.94	3817736.96	7.92E-06	3.33E-05	2.99E-06	6.60E-06	2.44E-05	2.15E-06	7.48E-07	4.28E-06	5.11E-07	6.80E-07	2.24E-06	1.55E-07
2694	470168.37	3817736.83	7.97E-06	3.35E-05	3.01E-06	6.64E-06	2.46E-05	2.16E-06	7.53E-07	4.31E-06	5.14E-07	6.84E-07	2.26E-06	1.56E-07
2695	470158.81	3817736.69	8.02E-06	3.37E-05	3.03E-06	6.68E-06	2.47E-05	2.18E-06	7.57E-07	4.34E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
2696	470095.19	3819211.76	8.48E-04	3.56E-03	3.21E-04	7.07E-04	2.62E-03	2.30E-04	8.01E-05	4.59E-04	5.47E-05	7.28E-05	2.40E-04	1.66E-05
2697	470088.24	3819204.57	7.11E-04	2.99E-03	2.69E-04	5.92E-04	2.19E-03	1.93E-04	6.72E-05	3.85E-04	4.59E-05	6.11E-05	2.01E-04	1.39E-05
2698	470070.39	3819208.92	5.55E-04	2.33E-03	2.10E-04	4.62E-04	1.71E-03	1.51E-04	5.24E-05	3.00E-04	3.58E-05	4.76E-05	1.57E-04	1.08E-05
2699	470083.07	3819196.68	6.20E-04	2.60E-03	2.34E-04	5.16E-04	1.91E-03	1.68E-04	5.85E-05	3.35E-04	4.00E-05	5.32E-05	1.75E-04	1.21E-05
2700	470091.93	3819193.17	6.83E-04	2.87E-03	2.58E-04	5.69E-04	2.11E-03	1.85E-04	6.45E-05	3.69E-04	4.40E-05	5.86E-05	1.93E-04	1.33E-05
2701	470100.79	3819189.66	7.44E-04	3.12E-03	2.81E-04	6.20E-04	2.30E-03	2.02E-04	7.02E-05	4.02E-04	4.80E-05	6.39E-05	2.11E-04	1.45E-05
2702	470059.94	3819209.77	4.77E-04	2.00E-03	1.80E-04	3.97E-04	1.47E-03	1.29E-04	4.50E-05	2.58E-04	3.07E-05	4.09E-05	1.35E-04	9.30E-06
2703	470063.6	3819201.38	4.83E-04	2.03E-03	1.83E-04	4.02E-04	1.49E-03	1.31E-04	4.56E-05	2.61E-04	3.12E-05	4.15E-05	1.37E-04	9.43E-06
2704	470075.76	3819189.63	5.34E-04	2.24E-03	2.02E-04	4.45E-04	1.65E-03	1.45E-04	5.04E-05	2.89E-04	3.44E-05	4.58E-05	1.51E-04	1.04E-05
2705	470084.27	3819186.26	5.83E-04	2.45E-03	2.20E-04	4.85E-04	1.80E-03	1.58E-04	5.50E-05	3.15E-04	3.76E-05	5.00E-05	1.65E-04	1.14E-05
2706	470092.78	3819182.89	6.31E-04	2.65E-03	2.39E-04	5.25E-04	1.95E-03	1.71E-04	5.96E-05	3.41E-04	4.07E-05	5.41E-05	1.79E-04	1.23E-05
2707	470101.29	3819179.52	6.76E-04	2.84E-03	2.56E-04	5.63E-04	2.09E-03	1.84E-04	6.38E-05	3.65E-04	4.36E-05	5.80E-05	1.91E-04	1.32E-05
2708	470049.63	3819210.27	4.13E-04	1.73E-03	1.56E-04	3.44E-04	1.27E-03	1.12E-04	3.90E-05	2.23E-04	2.66E-05	3.54E-05	1.17E-04	8.05E-06
2709	470056.75	3819193.96	4.25E-04	1.79E-03	1.61E-04	3.54E-04	1.31E-03	1.15E-04	4.02E-05	2.30E-04	2.74E-05	3.65E-05	1.20E-04	8.30E-06
2710	470068.58	3819182.53	4.66E-04	1.96E-03	1.76E-04	3.88E-04	1.44E-03	1.27E-04	4.40E-05	2.52E-04	3.01E-05	4.00E-05	1.32E-04	9.09E-06
2711	470085.12	3819175.98	5.44E-04	2.28E-03	2.06E-04	4.53E-04	1.68E-03	1.48E-04	5.13E-05	2.94E-04	3.51E-05	4.67E-05	1.54E-04	1.06E-05
2712	470039.42	3819210.57	3.60E-04	1.51E-03	1.36E-04	2.99E-04	1.11E-03	9.76E-05	3.40E-05	1.94E-04	2.32E-05	3.09E-05	1.02E-04	7.02E-06
2713	470046.39	3819194.59	3.73E-04	1.57E-03	1.41E-04	3.11E-04	1.15E-03	1.01E-04	3.53E-05	2.02E-04	2.41E-05	3.21E-05	1.06E-04	7.29E-06
2714	470061.46	3819175.4	4.11E-04	1.73E-03	1.56E-04	3.42E-04	1.27E-03	1.12E-04	3.88E-05	2.22E-04	2.65E-05	3.53E-05	1.16E-04	8.02E-06
2715	470077.67	3819168.99	4.75E-04	1.99E-03	1.80E-04	3.95E-04	1.46E-03	1.29E-04	4.48E-05	2.57E-04	3.06E-05	4.08E-05	1.34E-04	9.26E-06
2716	470093.87	3819162.57	5.35E-04	2.25E-03	2.02E-04	4.46E-04	1.65E-03	1.45E-04	5.05E-05	2.89E-04	3.45E-05	4.59E-05	1.51E-04	1.04E-05
2717	470029.26	3819210.75	3.15E-04	1.32E-03	1.19E-04	2.63E-04	9.73E-04	8.56E-05	2.98E-05	1.70E-04	2.03E-05	2.71E-05	8.93E-05	6.15E-06
2718	470036.12	3819195.02	3.29E-04	1.38E-03	1.24E-04	2.74E-04	1.02E-03	8.93E-05	3.11E-05	1.78E-04	2.12E-05	2.82E-05	9.31E-05	6.42E-06
2719	470042.98	3819179.29	3.38E-04	1.42E-03	1.28E-04	2.82E-04	1.04E-03	9.18E-05	3.19E-05	1.83E-04	2.18E-05	2.90E-05	9.57E-05	6.60E-06
2720	470054.38	3819168.26	3.66E-04	1.54E-03	1.38E-04	3.05E-04	1.13E-03	9.93E-05	3.45E-05	1.98E-04	2.36E-05	3.14E-05	1.04E-04	7.14E-06
2721	470070.34	3819161.95	4.19E-04	1.76E-03	1.58E-04	3.49E-04	1.29E-03	1.14E-04	3.95E-05	2.26E-04	2.70E-05	3.59E-05	1.19E-04	8.17E-06
2722	470086.29	3819155.63	4.70E-04	1.97E-03	1.78E-04	3.91E-04	1.45E-03	1.28E-04	4.44E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.17E-06
2723	470020.4	3819207.92	2.81E-04	1.18E-03	1.06E-04	2.34E-04	8.66E-04	7.62E-05	2.65E-05	1.52E-04	1.81E-05	2.41E-05	7.95E-05	5.48E-06
2724	470024.21	3819199.19	2.88E-04	1.21E-03	1.09E-04	2.40E-04	8.89E-04	7.82E-05	2.72E-05	1.56E-04	1.86E-05	2.47E-05	8.16E-05	5.62E-06
2725	470028.02	3819190.45	2.95E-04	1.24E-03	1.11E-04	2.46E-04	9.10E-04	8.00E-05	2.78E-05	1.59E-04	1.90E-05	2.53E-05	8.34E-05	5.75E-06
2726	470031.83	3819181.71	3.00E-04	1.26E-03	1.14E-04	2.50E-04	9.26E-04	8.15E-05	2.83E-05	1.62E-04	1.94E-05	2.58E-05	8.49E-05	5.86E-06

2727	470035.65	3819172.97	3.04E-04	1.28E-03	1.15E-04	2.53E-04	9.38E-04	8.25E-05	2.87E-05	1.64E-04	1.96E-05	2.61E-05	8.61E-05	5.93E-06
2728	470048.32	3819160.72	3.30E-04	1.39E-03	1.25E-04	2.75E-04	1.02E-03	8.96E-05	3.12E-05	1.78E-04	2.13E-05	2.83E-05	9.34E-05	6.44E-06
2729	470057.18	3819157.21	3.55E-04	1.49E-03	1.34E-04	2.96E-04	1.10E-03	9.64E-05	3.35E-05	1.92E-04	2.29E-05	3.05E-05	1.00E-04	6.93E-06
2730	470066.05	3819153.7	3.80E-04	1.60E-03	1.44E-04	3.17E-04	1.17E-03	1.03E-04	3.59E-05	2.06E-04	2.45E-05	3.26E-05	1.08E-04	7.42E-06
2731	470074.91	3819150.19	4.05E-04	1.70E-03	1.53E-04	3.38E-04	1.25E-03	1.10E-04	3.83E-05	2.19E-04	2.61E-05	3.48E-05	1.15E-04	7.91E-06
2732	470083.77	3819146.68	4.29E-04	1.80E-03	1.62E-04	3.57E-04	1.32E-03	1.16E-04	4.05E-05	2.32E-04	2.77E-05	3.68E-05	1.21E-04	8.37E-06
2733	470092.64	3819143.17	4.50E-04	1.89E-03	1.70E-04	3.75E-04	1.39E-03	1.22E-04	4.25E-05	2.43E-04	2.90E-05	3.87E-05	1.27E-04	8.79E-06
2734	470101.5	3819139.66	4.69E-04	1.97E-03	1.77E-04	3.91E-04	1.45E-03	1.27E-04	4.43E-05	2.53E-04	3.02E-05	4.03E-05	1.33E-04	9.15E-06
2735	469999.95	3819208.57	2.21E-04	9.30E-04	8.37E-05	1.84E-04	6.83E-04	6.01E-05	2.09E-05	1.20E-04	1.43E-05	1.90E-05	6.27E-05	4.32E-06
2736	470003.61	3819200.18	2.28E-04	9.56E-04	8.61E-05	1.90E-04	7.03E-04	6.18E-05	2.15E-05	1.23E-04	1.47E-05	1.95E-05	6.45E-05	4.44E-06
2737	470007.27	3819191.79	2.34E-04	9.81E-04	8.84E-05	1.95E-04	7.21E-04	6.34E-05	2.21E-05	1.26E-04	1.51E-05	2.01E-05	6.62E-05	4.56E-06
2738	470010.92	3819183.41	2.39E-04	1.00E-03	9.04E-05	1.99E-04	7.38E-04	6.49E-05	2.26E-05	1.29E-04	1.54E-05	2.05E-05	6.77E-05	4.67E-06
2739	470014.58	3819175.02	2.44E-04	1.02E-03	9.22E-05	2.03E-04	7.53E-04	6.62E-05	2.30E-05	1.32E-04	1.57E-05	2.09E-05	6.90E-05	4.76E-06
2740	470018.24	3819166.63	2.48E-04	1.04E-03	9.37E-05	2.06E-04	7.64E-04	6.72E-05	2.34E-05	1.34E-04	1.60E-05	2.13E-05	7.01E-05	4.83E-06
2741	470021.9	3819158.24	2.50E-04	1.05E-03	9.45E-05	2.08E-04	7.71E-04	6.78E-05	2.36E-05	1.35E-04	1.61E-05	2.15E-05	7.07E-05	4.88E-06
2742	470034.07	3819146.48	2.68E-04	1.13E-03	1.01E-04	2.24E-04	8.28E-04	7.28E-05	2.53E-05	1.45E-04	1.73E-05	2.30E-05	7.60E-05	5.24E-06
2743	470042.58	3819143.11	2.86E-04	1.20E-03	1.08E-04	2.38E-04	8.83E-04	7.76E-05	2.70E-05	1.55E-04	1.84E-05	2.46E-05	8.10E-05	5.58E-06
2744	470051.08	3819139.74	3.04E-04	1.28E-03	1.15E-04	2.53E-04	9.38E-04	8.25E-05	2.87E-05	1.64E-04	1.96E-05	2.61E-05	8.60E-05	5.93E-06
2745	470059.59	3819136.37	3.22E-04	1.35E-03	1.22E-04	2.68E-04	9.94E-04	8.75E-05	3.04E-05	1.74E-04	2.08E-05	2.77E-05	9.12E-05	6.29E-06
2746	470068.1	3819133	3.40E-04	1.43E-03	1.29E-04	2.83E-04	1.05E-03	9.23E-05	3.21E-05	1.84E-04	2.19E-05	2.92E-05	9.63E-05	6.64E-06
2747	470076.61	3819129.63	3.57E-04	1.50E-03	1.35E-04	2.97E-04	1.10E-03	9.69E-05	3.37E-05	1.93E-04	2.30E-05	3.07E-05	1.01E-04	6.97E-06
2748	470085.12	3819126.26	3.72E-04	1.56E-03	1.41E-04	3.10E-04	1.15E-03	1.01E-04	3.52E-05	2.01E-04	2.40E-05	3.20E-05	1.05E-04	7.27E-06
2749	470093.63	3819122.89	3.86E-04	1.62E-03	1.46E-04	3.21E-04	1.19E-03	1.05E-04	3.64E-05	2.09E-04	2.49E-05	3.31E-05	1.09E-04	7.53E-06
2750	470102.14	3819119.52	3.98E-04	1.67E-03	1.50E-04	3.31E-04	1.23E-03	1.08E-04	3.76E-05	2.15E-04	2.56E-05	3.41E-05	1.13E-04	7.76E-06
2751	469979.65	3819208.87	1.78E-04	7.47E-04	6.73E-05	1.48E-04	5.49E-04	4.83E-05	1.68E-05	9.62E-05	1.15E-05	1.53E-05	5.03E-05	3.47E-06
2752	469986.76	3819192.56	1.88E-04	7.90E-04	7.11E-05	1.57E-04	5.80E-04	5.11E-05	1.78E-05	1.02E-04	1.21E-05	1.61E-05	5.32E-05	3.67E-06
2753	469993.88	3819176.25	1.98E-04	8.30E-04	7.47E-05	1.65E-04	6.10E-04	5.36E-05	1.87E-05	1.07E-04	1.27E-05	1.70E-05	5.59E-05	3.86E-06
2754	470000.99	3819159.94	2.05E-04	8.60E-04	7.74E-05	1.71E-04	6.32E-04	5.56E-05	1.93E-05	1.11E-04	1.32E-05	1.76E-05	5.80E-05	4.00E-06
2755	470008.1	3819143.63	2.09E-04	8.77E-04	7.90E-05	1.74E-04	6.44E-04	5.67E-05	1.97E-05	1.13E-04	1.35E-05	1.79E-05	5.91E-05	4.07E-06
2756	470019.93	3819132.19	2.23E-04	9.36E-04	8.43E-05	1.86E-04	6.88E-04	6.05E-05	2.11E-05	1.21E-04	1.44E-05	1.91E-05	6.31E-05	4.35E-06
2757	470036.48	3819125.64	2.50E-04	1.05E-03	9.45E-05	2.08E-04	7.71E-04	6.78E-05	2.36E-05	1.35E-04	1.61E-05	2.15E-05	7.07E-05	4.88E-06
2758	470053.02	3819119.09	2.77E-04	1.16E-03	1.05E-04	2.30E-04	8.54E-04	7.51E-05	2.61E-05	1.50E-04	1.78E-05	2.37E-05	7.83E-05	5.40E-06
2759	470069.56	3819112.54	3.02E-04	1.27E-03	1.14E-04	2.51E-04	9.31E-04	8.19E-05	2.85E-05	1.63E-04	1.95E-05	2.59E-05	8.54E-05	5.89E-06
2760	469960.24	3819207.13	1.46E-04	6.14E-04	5.53E-05	1.22E-04	4.51E-04	3.97E-05	1.38E-05	7.90E-05	9.42E-06	1.25E-05	4.14E-05	2.85E-06
2761	469963.99	3819198.52	1.51E-04	6.33E-04	5.70E-05	1.25E-04	4.65E-04	4.09E-05	1.42E-05	8.14E-05	9.71E-06	1.29E-05	4.26E-05	2.94E-06
2762	469967.74	3819189.92	1.55E-04	6.52E-04	5.87E-05	1.29E-04	4.79E-04	4.21E-05	1.47E-05	8.39E-05	1.00E-05	1.33E-05	4.39E-05	3.03E-06
2763	469971.5	3819181.31	1.60E-04	6.70E-04	6.04E-05	1.33E-04	4.93E-04	4.33E-05	1.51E-05	8.63E-05	1.03E-05	1.37E-05	4.52E-05	3.12E-06
2764	469975.25	3819172.71	1.64E-04	6.88E-04	6.20E-05	1.37E-04	5.06E-04	4.45E-05	1.55E-05	8.86E-05	1.06E-05	1.41E-05	4.64E-05	3.20E-06
2765	469979	3819164.11	1.68E-04	7.05E-04	6.35E-05	1.40E-04	5.18E-04	4.55E-05	1.58E-05	9.07E-05	1.08E-05	1.44E-05	4.75E-05	3.27E-06
2766	469982.75	3819155.5	1.71E-04	7.18E-04	6.46E-05	1.42E-04	5.27E-04	4.64E-05	1.61E-05	9.24E-05	1.10E-05	1.47E-05	4.84E-05	3.34E-06
2767	469986.5	3819146.9	1.74E-04	7.29E-04	6.56E-05	1.45E-04	5.35E-04	4.71E-05	1.64E-05	9.38E-05	1.12E-05	1.49E-05	4.91E-05	3.39E-06
2768	469990.26	3819138.3	1.76E-04	7.37E-04	6.64E-05	1.46E-04	5.42E-04	4.76E-05	1.66E-05	9.49E-05	1.13E-05	1.51E-05	4.97E-05	3.42E-06

2769	469994.01	3819129.69	1.77E-04	7.45E-04	6.71E-05	1.48E-04	5.47E-04	4.81E-05	1.67E-05	9.59E-05	1.14E-05	1.52E-05	5.02E-05	3.46E-06
2770	470006.49	3819117.63	1.90E-04	7.96E-04	7.17E-05	1.58E-04	5.85E-04	5.15E-05	1.79E-05	1.02E-04	1.22E-05	1.63E-05	5.37E-05	3.70E-06
2771	470015.21	3819114.18	2.01E-04	8.43E-04	7.59E-05	1.67E-04	6.20E-04	5.45E-05	1.90E-05	1.09E-04	1.29E-05	1.72E-05	5.68E-05	3.92E-06
2772	470058.85	3819096.89	2.55E-04	1.07E-03	9.64E-05	2.12E-04	7.87E-04	6.92E-05	2.41E-05	1.38E-04	1.64E-05	2.19E-05	7.22E-05	4.98E-06
2773	470067.57	3819093.44	2.65E-04	1.11E-03	1.00E-04	2.20E-04	8.16E-04	7.18E-05	2.50E-05	1.43E-04	1.71E-05	2.27E-05	7.49E-05	5.16E-06
2774	470076.3	3819089.98	2.73E-04	1.15E-03	1.03E-04	2.28E-04	8.43E-04	7.41E-05	2.58E-05	1.48E-04	1.76E-05	2.34E-05	7.73E-05	5.33E-06
2775	470085.03	3819086.52	2.81E-04	1.18E-03	1.06E-04	2.34E-04	8.67E-04	7.63E-05	2.65E-05	1.52E-04	1.81E-05	2.41E-05	7.95E-05	5.48E-06
2776	470093.76	3819083.07	2.87E-04	1.21E-03	1.09E-04	2.39E-04	8.87E-04	7.80E-05	2.71E-05	1.55E-04	1.85E-05	2.47E-05	8.14E-05	5.61E-06
2777	470102.48	3819079.61	2.93E-04	1.23E-03	1.11E-04	2.44E-04	9.03E-04	7.94E-05	2.76E-05	1.58E-04	1.89E-05	2.51E-05	8.28E-05	5.71E-06
2778	469939.96	3819207.37	1.21E-04	5.07E-04	4.57E-05	1.01E-04	3.73E-04	3.28E-05	1.14E-05	6.53E-05	7.79E-06	1.04E-05	3.42E-05	2.36E-06
2779	469943.62	3819198.98	1.24E-04	5.22E-04	4.70E-05	1.04E-04	3.84E-04	3.38E-05	1.17E-05	6.72E-05	8.02E-06	1.07E-05	3.52E-05	2.43E-06
2780	469947.28	3819190.59	1.28E-04	5.38E-04	4.85E-05	1.07E-04	3.95E-04	3.48E-05	1.21E-05	6.93E-05	8.26E-06	1.10E-05	3.63E-05	2.50E-06
2781	469950.94	3819182.2	1.32E-04	5.54E-04	4.99E-05	1.10E-04	4.07E-04	3.58E-05	1.25E-05	7.13E-05	8.51E-06	1.13E-05	3.73E-05	2.57E-06
2782	469954.59	3819173.82	1.36E-04	5.69E-04	5.13E-05	1.13E-04	4.18E-04	3.68E-05	1.28E-05	7.33E-05	8.74E-06	1.16E-05	3.84E-05	2.65E-06
2783	469958.25	3819165.43	1.39E-04	5.84E-04	5.26E-05	1.16E-04	4.29E-04	3.78E-05	1.31E-05	7.52E-05	8.97E-06	1.19E-05	3.94E-05	2.71E-06
2784	469961.91	3819157.04	1.42E-04	5.98E-04	5.39E-05	1.19E-04	4.40E-04	3.87E-05	1.35E-05	7.70E-05	9.19E-06	1.22E-05	4.03E-05	2.78E-06
2785	469965.57	3819148.65	1.45E-04	6.11E-04	5.50E-05	1.21E-04	4.49E-04	3.95E-05	1.37E-05	7.86E-05	9.38E-06	1.25E-05	4.12E-05	2.84E-06
2786	469969.23	3819140.26	1.48E-04	6.21E-04	5.59E-05	1.23E-04	4.56E-04	4.02E-05	1.40E-05	8.00E-05	9.54E-06	1.27E-05	4.19E-05	2.89E-06
2787	469972.89	3819131.87	1.50E-04	6.30E-04	5.67E-05	1.25E-04	4.63E-04	4.07E-05	1.42E-05	8.11E-05	9.67E-06	1.29E-05	4.25E-05	2.93E-06
2788	469976.54	3819123.48	1.52E-04	6.37E-04	5.74E-05	1.26E-04	4.68E-04	4.12E-05	1.43E-05	8.20E-05	9.78E-06	1.30E-05	4.29E-05	2.96E-06
2789	469980.2	3819115.1	1.53E-04	6.42E-04	5.79E-05	1.27E-04	4.72E-04	4.15E-05	1.44E-05	8.27E-05	9.87E-06	1.31E-05	4.33E-05	2.99E-06
2790	470009.39	3819096.6	1.80E-04	7.56E-04	6.81E-05	1.50E-04	5.56E-04	4.89E-05	1.70E-05	9.74E-05	1.16E-05	1.55E-05	5.10E-05	3.51E-06
2791	470017.9	3819093.23	1.89E-04	7.93E-04	7.14E-05	1.57E-04	5.83E-04	5.13E-05	1.78E-05	1.02E-04	1.22E-05	1.62E-05	5.35E-05	3.69E-06
2792	470026.4	3819089.86	1.98E-04	8.30E-04	7.47E-05	1.65E-04	6.10E-04	5.36E-05	1.87E-05	1.07E-04	1.27E-05	1.70E-05	5.59E-05	3.85E-06
2793	470034.91	3819086.49	2.06E-04	8.65E-04	7.79E-05	1.72E-04	6.36E-04	5.59E-05	1.95E-05	1.11E-04	1.33E-05	1.77E-05	5.83E-05	4.02E-06
2794	470043.42	3819083.12	2.14E-04	9.00E-04	8.10E-05	1.78E-04	6.61E-04	5.82E-05	2.02E-05	1.16E-04	1.38E-05	1.84E-05	6.06E-05	4.18E-06
2795	470051.93	3819079.75	2.22E-04	9.32E-04	8.40E-05	1.85E-04	6.85E-04	6.03E-05	2.10E-05	1.20E-04	1.43E-05	1.91E-05	6.28E-05	4.33E-06
2796	470060.44	3819076.38	2.29E-04	9.63E-04	8.67E-05	1.91E-04	7.08E-04	6.23E-05	2.17E-05	1.24E-04	1.48E-05	1.97E-05	6.49E-05	4.47E-06
2797	470068.95	3819073.01	2.36E-04	9.91E-04	8.93E-05	1.97E-04	7.28E-04	6.41E-05	2.23E-05	1.28E-04	1.52E-05	2.03E-05	6.68E-05	4.61E-06
2798	470077.46	3819069.64	2.42E-04	1.02E-03	9.15E-05	2.02E-04	7.47E-04	6.57E-05	2.29E-05	1.31E-04	1.56E-05	2.08E-05	6.85E-05	4.72E-06
2799	470085.97	3819066.27	2.47E-04	1.04E-03	9.35E-05	2.06E-04	7.63E-04	6.71E-05	2.33E-05	1.34E-04	1.59E-05	2.12E-05	7.00E-05	4.82E-06
2800	470094.47	3819062.9	2.51E-04	1.06E-03	9.51E-05	2.09E-04	7.76E-04	6.83E-05	2.37E-05	1.36E-04	1.62E-05	2.16E-05	7.12E-05	4.91E-06
2801	470102.98	3819059.53	2.55E-04	1.07E-03	9.63E-05	2.12E-04	7.86E-04	6.92E-05	2.41E-05	1.38E-04	1.64E-05	2.19E-05	7.21E-05	4.97E-06
2802	469920.42	3819205.92	1.02E-04	4.26E-04	3.84E-05	8.45E-05	3.13E-04	2.76E-05	9.58E-06	5.49E-05	6.55E-06	8.71E-06	2.87E-05	1.98E-06
2803	469924.23	3819197.18	1.05E-04	4.40E-04	3.96E-05	8.73E-05	3.23E-04	2.84E-05	9.89E-06	5.66E-05	6.76E-06	8.99E-06	2.97E-05	2.04E-06
2804	469928.04	3819188.45	1.08E-04	4.54E-04	4.08E-05	9.00E-05	3.33E-04	2.93E-05	1.02E-05	5.84E-05	6.97E-06	9.27E-06	3.06E-05	2.11E-06
2805	469931.85	3819179.71	1.11E-04	4.68E-04	4.21E-05	9.27E-05	3.44E-04	3.02E-05	1.05E-05	6.02E-05	7.18E-06	9.56E-06	3.15E-05	2.17E-06
2806	469935.67	3819170.97	1.15E-04	4.82E-04	4.34E-05	9.55E-05	3.54E-04	3.11E-05	1.08E-05	6.20E-05	7.40E-06	9.84E-06	3.25E-05	2.24E-06
2807	469939.48	3819162.23	1.18E-04	4.95E-04	4.46E-05	9.82E-05	3.64E-04	3.20E-05	1.11E-05	6.37E-05	7.60E-06	1.01E-05	3.34E-05	2.30E-06
2808	469943.29	3819153.49	1.21E-04	5.08E-04	4.58E-05	1.01E-04	3.73E-04	3.29E-05	1.14E-05	6.54E-05	7.81E-06	1.04E-05	3.43E-05	2.36E-06
2809	469947.1	3819144.75	1.24E-04	5.21E-04	4.69E-05	1.03E-04	3.82E-04	3.36E-05	1.17E-05	6.70E-05	7.99E-06	1.06E-05	3.51E-05	2.42E-06
2810	469950.91	3819136.02	1.27E-04	5.32E-04	4.79E-05	1.05E-04	3.91E-04	3.44E-05	1.20E-05	6.85E-05	8.17E-06	1.09E-05	3.58E-05	2.47E-06

2811	469954.72	3819127.28	1.29E-04	5.40E-04	4.87E-05	1.07E-04	3.97E-04	3.49E-05	1.22E-05	6.96E-05	8.30E-06	1.10E-05	3.64E-05	2.51E-06
2812	469958.53	3819118.54	1.30E-04	5.48E-04	4.93E-05	1.09E-04	4.03E-04	3.54E-05	1.23E-05	7.05E-05	8.41E-06	1.12E-05	3.69E-05	2.55E-06
2813	469978.83	3819088.82	1.41E-04	5.94E-04	5.35E-05	1.18E-04	4.36E-04	3.84E-05	1.34E-05	7.64E-05	9.12E-06	1.21E-05	4.00E-05	2.76E-06
2814	469987.69	3819085.3	1.49E-04	6.25E-04	5.63E-05	1.24E-04	4.59E-04	4.04E-05	1.41E-05	8.04E-05	9.60E-06	1.28E-05	4.21E-05	2.90E-06
2815	469996.55	3819081.79	1.56E-04	6.56E-04	5.91E-05	1.30E-04	4.82E-04	4.24E-05	1.48E-05	8.45E-05	1.01E-05	1.34E-05	4.42E-05	3.05E-06
2816	470005.42	3819078.28	1.64E-04	6.88E-04	6.19E-05	1.36E-04	5.05E-04	4.45E-05	1.55E-05	8.85E-05	1.06E-05	1.41E-05	4.64E-05	3.20E-06
2817	470014.28	3819074.77	1.71E-04	7.19E-04	6.47E-05	1.43E-04	5.28E-04	4.65E-05	1.62E-05	9.25E-05	1.10E-05	1.47E-05	4.84E-05	3.34E-06
2818	470023.14	3819071.26	1.78E-04	7.49E-04	6.74E-05	1.49E-04	5.50E-04	4.84E-05	1.68E-05	9.64E-05	1.15E-05	1.53E-05	5.05E-05	3.48E-06
2819	470032.01	3819067.75	1.85E-04	7.78E-04	7.01E-05	1.54E-04	5.72E-04	5.03E-05	1.75E-05	1.00E-04	1.20E-05	1.59E-05	5.25E-05	3.62E-06
2820	470040.87	3819064.24	1.92E-04	8.06E-04	7.26E-05	1.60E-04	5.93E-04	5.21E-05	1.81E-05	1.04E-04	1.24E-05	1.65E-05	5.44E-05	3.75E-06
2821	470049.73	3819060.73	1.98E-04	8.33E-04	7.50E-05	1.65E-04	6.12E-04	5.38E-05	1.87E-05	1.07E-04	1.28E-05	1.70E-05	5.61E-05	3.87E-06
2822	470058.59	3819057.22	2.04E-04	8.57E-04	7.72E-05	1.70E-04	6.30E-04	5.54E-05	1.93E-05	1.10E-04	1.32E-05	1.75E-05	5.78E-05	3.98E-06
2823	470067.46	3819053.71	2.09E-04	8.79E-04	7.92E-05	1.74E-04	6.46E-04	5.68E-05	1.98E-05	1.13E-04	1.35E-05	1.80E-05	5.93E-05	4.09E-06
2824	470076.32	3819050.2	2.14E-04	8.99E-04	8.09E-05	1.78E-04	6.60E-04	5.81E-05	2.02E-05	1.16E-04	1.38E-05	1.84E-05	6.06E-05	4.18E-06
2825	470085.18	3819046.69	2.18E-04	9.15E-04	8.24E-05	1.82E-04	6.73E-04	5.92E-05	2.06E-05	1.18E-04	1.41E-05	1.87E-05	6.17E-05	4.25E-06
2826	470094.05	3819043.18	2.21E-04	9.29E-04	8.36E-05	1.84E-04	6.82E-04	6.00E-05	2.09E-05	1.20E-04	1.43E-05	1.90E-05	6.26E-05	4.31E-06
2827	470102.91	3819039.67	2.23E-04	9.38E-04	8.45E-05	1.86E-04	6.90E-04	6.07E-05	2.11E-05	1.21E-04	1.44E-05	1.92E-05	6.32E-05	4.36E-06
2828	469900.17	3819206.1	8.56E-05	3.60E-04	3.24E-05	7.13E-05	2.64E-04	2.32E-05	8.09E-06	4.63E-05	5.52E-06	7.35E-06	2.42E-05	1.67E-06
2829	469903.9	3819197.56	8.85E-05	3.71E-04	3.35E-05	7.37E-05	2.73E-04	2.40E-05	8.35E-06	4.78E-05	5.71E-06	7.59E-06	2.50E-05	1.73E-06
2830	469907.62	3819189.02	9.10E-05	3.82E-04	3.44E-05	7.58E-05	2.81E-04	2.47E-05	8.59E-06	4.92E-05	5.87E-06	7.81E-06	2.57E-05	1.77E-06
2831	469911.35	3819180.47	9.35E-05	3.93E-04	3.54E-05	7.79E-05	2.89E-04	2.54E-05	8.83E-06	5.06E-05	6.03E-06	8.03E-06	2.65E-05	1.83E-06
2832	469915.08	3819171.93	9.62E-05	4.04E-04	3.64E-05	8.02E-05	2.97E-04	2.61E-05	9.09E-06	5.20E-05	6.21E-06	8.26E-06	2.72E-05	1.88E-06
2833	469918.8	3819163.38	9.90E-05	4.16E-04	3.75E-05	8.25E-05	3.06E-04	2.69E-05	9.35E-06	5.35E-05	6.39E-06	8.50E-06	2.80E-05	1.93E-06
2834	469922.53	3819154.84	1.02E-04	4.28E-04	3.85E-05	8.49E-05	3.14E-04	2.77E-05	9.62E-06	5.51E-05	6.57E-06	8.75E-06	2.88E-05	1.99E-06
2835	469926.26	3819146.3	1.05E-04	4.40E-04	3.96E-05	8.72E-05	3.23E-04	2.84E-05	9.89E-06	5.66E-05	6.75E-06	8.99E-06	2.96E-05	2.04E-06
2836	469929.98	3819137.75	1.07E-04	4.51E-04	4.06E-05	8.94E-05	3.31E-04	2.91E-05	1.01E-05	5.80E-05	6.92E-06	9.21E-06	3.04E-05	2.09E-06
2837	469933.71	3819129.21	1.09E-04	4.60E-04	4.14E-05	9.12E-05	3.38E-04	2.97E-05	1.03E-05	5.92E-05	7.06E-06	9.40E-06	3.10E-05	2.14E-06
2838	469937.43	3819120.66	1.11E-04	4.68E-04	4.21E-05	9.27E-05	3.44E-04	3.02E-05	1.05E-05	6.02E-05	7.18E-06	9.56E-06	3.15E-05	2.17E-06
2839	469941.16	3819112.12	1.13E-04	4.75E-04	4.27E-05	9.41E-05	3.49E-04	3.07E-05	1.07E-05	6.11E-05	7.29E-06	9.70E-06	3.20E-05	2.20E-06
2840	469948.61	3819095.03	1.16E-04	4.87E-04	4.38E-05	9.65E-05	3.58E-04	3.15E-05	1.09E-05	6.26E-05	7.47E-06	9.95E-06	3.28E-05	2.26E-06
2841	469952.34	3819086.49	1.17E-04	4.91E-04	4.42E-05	9.74E-05	3.61E-04	3.18E-05	1.10E-05	6.32E-05	7.54E-06	1.00E-05	3.31E-05	2.28E-06
2842	469964.73	3819074.51	1.24E-04	5.19E-04	4.68E-05	1.03E-04	3.82E-04	3.36E-05	1.17E-05	6.69E-05	7.98E-06	1.06E-05	3.50E-05	2.41E-06
2843	469973.4	3819071.08	1.30E-04	5.45E-04	4.91E-05	1.08E-04	4.00E-04	3.52E-05	1.22E-05	7.01E-05	8.37E-06	1.11E-05	3.67E-05	2.53E-06
2844	469982.06	3819067.65	1.36E-04	5.70E-04	5.13E-05	1.13E-04	4.19E-04	3.69E-05	1.28E-05	7.34E-05	8.76E-06	1.17E-05	3.84E-05	2.65E-06
2845	469990.73	3819064.21	1.42E-04	5.95E-04	5.36E-05	1.18E-04	4.38E-04	3.85E-05	1.34E-05	7.67E-05	9.15E-06	1.22E-05	4.01E-05	2.77E-06
2846	469999.4	3819060.78	1.48E-04	6.21E-04	5.59E-05	1.23E-04	4.56E-04	4.01E-05	1.40E-05	7.99E-05	9.53E-06	1.27E-05	4.18E-05	2.88E-06
2847	470008.06	3819057.35	1.54E-04	6.45E-04	5.81E-05	1.28E-04	4.74E-04	4.17E-05	1.45E-05	8.31E-05	9.91E-06	1.32E-05	4.35E-05	3.00E-06
2848	470016.73	3819053.92	1.59E-04	6.69E-04	6.03E-05	1.33E-04	4.92E-04	4.33E-05	1.51E-05	8.62E-05	1.03E-05	1.37E-05	4.51E-05	3.11E-06
2849	470025.39	3819050.49	1.65E-04	6.93E-04	6.24E-05	1.37E-04	5.09E-04	4.48E-05	1.56E-05	8.92E-05	1.06E-05	1.42E-05	4.67E-05	3.22E-06
2850	470034.06	3819047.05	1.70E-04	7.15E-04	6.44E-05	1.42E-04	5.25E-04	4.62E-05	1.61E-05	9.20E-05	1.10E-05	1.46E-05	4.82E-05	3.32E-06
2851	470042.73	3819043.62	1.75E-04	7.36E-04	6.63E-05	1.46E-04	5.41E-04	4.76E-05	1.65E-05	9.47E-05	1.13E-05	1.50E-05	4.96E-05	3.42E-06
2852	470051.39	3819040.19	1.80E-04	7.55E-04	6.80E-05	1.50E-04	5.55E-04	4.88E-05	1.70E-05	9.72E-05	1.16E-05	1.54E-05	5.09E-05	3.51E-06

2853	470060.06	3819036.76	1.84E-04	7.73E-04	6.96E-05	1.53E-04	5.68E-04	5.00E-05	1.74E-05	9.95E-05	1.19E-05	1.58E-05	5.21E-05	3.59E-06
2854	470068.72	3819033.32	1.88E-04	7.89E-04	7.10E-05	1.56E-04	5.80E-04	5.10E-05	1.77E-05	1.02E-04	1.21E-05	1.61E-05	5.32E-05	3.67E-06
2855	470077.39	3819029.89	1.91E-04	8.03E-04	7.23E-05	1.59E-04	5.90E-04	5.19E-05	1.80E-05	1.03E-04	1.23E-05	1.64E-05	5.41E-05	3.73E-06
2856	470086.06	3819026.46	1.94E-04	8.14E-04	7.33E-05	1.61E-04	5.98E-04	5.26E-05	1.83E-05	1.05E-04	1.25E-05	1.66E-05	5.49E-05	3.78E-06
2857	470094.72	3819023.03	1.96E-04	8.23E-04	7.41E-05	1.63E-04	6.05E-04	5.32E-05	1.85E-05	1.06E-04	1.26E-05	1.68E-05	5.55E-05	3.82E-06
2858	470103.39	3819019.59	1.97E-04	8.29E-04	7.47E-05	1.64E-04	6.09E-04	5.36E-05	1.86E-05	1.07E-04	1.27E-05	1.69E-05	5.59E-05	3.85E-06
2859	469880.55	3819204.85	7.32E-05	3.07E-04	2.77E-05	6.10E-05	2.26E-04	1.99E-05	6.91E-06	3.96E-05	4.72E-06	6.28E-06	2.07E-05	1.43E-06
2860	469884.4	3819196.01	7.55E-05	3.17E-04	2.86E-05	6.29E-05	2.33E-04	2.05E-05	7.13E-06	4.08E-05	4.87E-06	6.48E-06	2.14E-05	1.47E-06
2861	469888.25	3819187.18	7.78E-05	3.27E-04	2.94E-05	6.48E-05	2.40E-04	2.11E-05	7.34E-06	4.20E-05	5.02E-06	6.68E-06	2.20E-05	1.52E-06
2862	469892.1	3819178.35	8.00E-05	3.36E-04	3.03E-05	6.67E-05	2.47E-04	2.17E-05	7.56E-06	4.33E-05	5.16E-06	6.87E-06	2.27E-05	1.56E-06
2863	469895.95	3819169.52	8.23E-05	3.46E-04	3.11E-05	6.86E-05	2.54E-04	2.23E-05	7.77E-06	4.45E-05	5.31E-06	7.07E-06	2.33E-05	1.61E-06
2864	469899.81	3819160.69	8.47E-05	3.56E-04	3.20E-05	7.06E-05	2.61E-04	2.30E-05	8.00E-06	4.58E-05	5.47E-06	7.27E-06	2.40E-05	1.65E-06
2865	469903.66	3819151.86	8.73E-05	3.67E-04	3.30E-05	7.27E-05	2.69E-04	2.37E-05	8.25E-06	4.72E-05	5.63E-06	7.50E-06	2.47E-05	1.70E-06
2866	469907.51	3819143.03	8.98E-05	3.77E-04	3.40E-05	7.48E-05	2.77E-04	2.44E-05	8.48E-06	4.86E-05	5.79E-06	7.71E-06	2.54E-05	1.75E-06
2867	469911.36	3819134.2	9.23E-05	3.88E-04	3.49E-05	7.69E-05	2.85E-04	2.50E-05	8.71E-06	4.99E-05	5.95E-06	7.92E-06	2.61E-05	1.80E-06
2868	469915.21	3819125.37	9.45E-05	3.97E-04	3.57E-05	7.87E-05	2.92E-04	2.56E-05	8.92E-06	5.11E-05	6.09E-06	8.11E-06	2.67E-05	1.84E-06
2869	469919.06	3819116.54	9.65E-05	4.05E-04	3.65E-05	8.03E-05	2.98E-04	2.62E-05	9.11E-06	5.21E-05	6.22E-06	8.28E-06	2.73E-05	1.88E-06
2870	469930.61	3819090.05	1.01E-04	4.26E-04	3.83E-05	8.44E-05	3.13E-04	2.75E-05	9.57E-06	5.48E-05	6.54E-06	8.70E-06	2.87E-05	1.98E-06
2871	469934.46	3819081.22	1.03E-04	4.31E-04	3.88E-05	8.54E-05	3.17E-04	2.78E-05	9.69E-06	5.54E-05	6.62E-06	8.81E-06	2.90E-05	2.00E-06
2872	469938.31	3819072.39	1.04E-04	4.35E-04	3.92E-05	8.62E-05	3.20E-04	2.81E-05	9.78E-06	5.60E-05	6.68E-06	8.89E-06	2.93E-05	2.02E-06
2873	469951.12	3819060.02	1.09E-04	4.59E-04	4.14E-05	9.11E-05	3.38E-04	2.97E-05	1.03E-05	5.91E-05	7.06E-06	9.39E-06	3.10E-05	2.13E-06
2874	469960.08	3819056.47	1.15E-04	4.81E-04	4.33E-05	9.55E-05	3.54E-04	3.11E-05	1.08E-05	6.20E-05	7.39E-06	9.84E-06	3.24E-05	2.24E-06
2875	469969.03	3819052.92	1.20E-04	5.03E-04	4.53E-05	9.98E-05	3.70E-04	3.25E-05	1.13E-05	6.48E-05	7.73E-06	1.03E-05	3.39E-05	2.34E-06
2876	469977.99	3819049.37	1.25E-04	5.25E-04	4.73E-05	1.04E-04	3.86E-04	3.39E-05	1.18E-05	6.76E-05	8.07E-06	1.07E-05	3.54E-05	2.44E-06
2877	469986.95	3819045.83	1.30E-04	5.47E-04	4.92E-05	1.08E-04	4.02E-04	3.53E-05	1.23E-05	7.04E-05	8.40E-06	1.12E-05	3.69E-05	2.54E-06
2878	469995.9	3819042.28	1.35E-04	5.68E-04	5.11E-05	1.13E-04	4.17E-04	3.67E-05	1.28E-05	7.31E-05	8.72E-06	1.16E-05	3.83E-05	2.64E-06
2879	470004.86	3819038.73	1.40E-04	5.89E-04	5.30E-05	1.17E-04	4.33E-04	3.80E-05	1.32E-05	7.58E-05	9.04E-06	1.20E-05	3.97E-05	2.74E-06
2880	470013.82	3819035.18	1.45E-04	6.09E-04	5.48E-05	1.21E-04	4.47E-04	3.94E-05	1.37E-05	7.84E-05	9.35E-06	1.24E-05	4.10E-05	2.83E-06
2881	470022.77	3819031.64	1.50E-04	6.29E-04	5.66E-05	1.25E-04	4.62E-04	4.06E-05	1.41E-05	8.09E-05	9.65E-06	1.28E-05	4.24E-05	2.92E-06
2882	470031.73	3819028.09	1.54E-04	6.47E-04	5.83E-05	1.28E-04	4.75E-04	4.18E-05	1.45E-05	8.33E-05	9.94E-06	1.32E-05	4.36E-05	3.01E-06
2883	470040.69	3819024.54	1.58E-04	6.64E-04	5.98E-05	1.32E-04	4.88E-04	4.29E-05	1.49E-05	8.55E-05	1.02E-05	1.36E-05	4.48E-05	3.09E-06
2884	470049.64	3819021	1.62E-04	6.80E-04	6.12E-05	1.35E-04	5.00E-04	4.39E-05	1.53E-05	8.75E-05	1.04E-05	1.39E-05	4.58E-05	3.16E-06
2885	470058.6	3819017.45	1.65E-04	6.94E-04	6.25E-05	1.38E-04	5.10E-04	4.49E-05	1.56E-05	8.94E-05	1.07E-05	1.42E-05	4.68E-05	3.23E-06
2886	470067.56	3819013.9	1.68E-04	7.07E-04	6.36E-05	1.40E-04	5.19E-04	4.57E-05	1.59E-05	9.10E-05	1.09E-05	1.44E-05	4.76E-05	3.28E-06
2887	470076.51	3819010.35	1.71E-04	7.17E-04	6.46E-05	1.42E-04	5.27E-04	4.64E-05	1.61E-05	9.23E-05	1.10E-05	1.47E-05	4.84E-05	3.33E-06
2888	470085.47	3819006.81	1.73E-04	7.26E-04	6.54E-05	1.44E-04	5.34E-04	4.69E-05	1.63E-05	9.35E-05	1.12E-05	1.48E-05	4.89E-05	3.37E-06
2889	470094.43	3819003.26	1.74E-04	7.33E-04	6.60E-05	1.45E-04	5.38E-04	4.74E-05	1.65E-05	9.43E-05	1.13E-05	1.50E-05	4.94E-05	3.40E-06
2890	470103.38	3818999.71	1.75E-04	7.37E-04	6.63E-05	1.46E-04	5.41E-04	4.76E-05	1.66E-05	9.48E-05	1.13E-05	1.51E-05	4.97E-05	3.42E-06
2891	469860.33	3819204.97	6.30E-05	2.64E-04	2.38E-05	5.25E-05	1.94E-04	1.71E-05	5.95E-06	3.40E-05	4.06E-06	5.41E-06	1.78E-05	1.23E-06
2892	469864.1	3819196.32	6.47E-05	2.72E-04	2.45E-05	5.39E-05	2.00E-04	1.76E-05	6.11E-06	3.50E-05	4.17E-06	5.55E-06	1.83E-05	1.26E-06
2893	469867.87	3819187.66	6.66E-05	2.80E-04	2.52E-05	5.54E-05	2.05E-04	1.81E-05	6.28E-06	3.60E-05	4.29E-06	5.71E-06	1.88E-05	1.30E-06
2894	469871.65	3819179.01	6.85E-05	2.88E-04	2.59E-05	5.71E-05	2.11E-04	1.86E-05	6.47E-06	3.70E-05	4.42E-06	5.88E-06	1.94E-05	1.34E-06

2895	469875.42	3819170.35	7.06E-05	2.96E-04	2.67E-05	5.88E-05	2.18E-04	1.92E-05	6.66E-06	3.81E-05	4.55E-06	6.06E-06	2.00E-05	1.38E-06
2896	469879.2	3819161.7	7.26E-05	3.05E-04	2.75E-05	6.05E-05	2.24E-04	1.97E-05	6.86E-06	3.93E-05	4.68E-06	6.23E-06	2.06E-05	1.42E-06
2897	469882.97	3819153.04	7.47E-05	3.14E-04	2.83E-05	6.22E-05	2.31E-04	2.03E-05	7.06E-06	4.04E-05	4.82E-06	6.41E-06	2.11E-05	1.46E-06
2898	469886.75	3819144.39	7.68E-05	3.23E-04	2.91E-05	6.40E-05	2.37E-04	2.09E-05	7.25E-06	4.15E-05	4.96E-06	6.60E-06	2.17E-05	1.50E-06
2899	469890.52	3819135.73	7.89E-05	3.31E-04	2.98E-05	6.57E-05	2.43E-04	2.14E-05	7.45E-06	4.27E-05	5.09E-06	6.77E-06	2.23E-05	1.54E-06
2900	469894.3	3819127.08	8.09E-05	3.40E-04	3.06E-05	6.74E-05	2.50E-04	2.20E-05	7.64E-06	4.37E-05	5.22E-06	6.95E-06	2.29E-05	1.58E-06
2901	469898.07	3819118.42	8.29E-05	3.48E-04	3.13E-05	6.90E-05	2.56E-04	2.25E-05	7.82E-06	4.48E-05	5.34E-06	7.11E-06	2.35E-05	1.62E-06
2902	469901.85	3819109.77	8.47E-05	3.56E-04	3.20E-05	7.05E-05	2.61E-04	2.30E-05	8.00E-06	4.58E-05	5.46E-06	7.27E-06	2.40E-05	1.65E-06
2903	469909.39	3819092.46	8.79E-05	3.69E-04	3.33E-05	7.32E-05	2.71E-04	2.39E-05	8.30E-06	4.75E-05	5.67E-06	7.55E-06	2.49E-05	1.72E-06
2904	469913.17	3819083.8	8.93E-05	3.75E-04	3.38E-05	7.44E-05	2.76E-04	2.42E-05	8.43E-06	4.83E-05	5.76E-06	7.67E-06	2.53E-05	1.74E-06
2905	469916.94	3819075.15	9.05E-05	3.80E-04	3.42E-05	7.54E-05	2.79E-04	2.46E-05	8.55E-06	4.89E-05	5.84E-06	7.77E-06	2.56E-05	1.77E-06
2906	469920.72	3819066.49	9.15E-05	3.84E-04	3.46E-05	7.62E-05	2.82E-04	2.48E-05	8.64E-06	4.95E-05	5.90E-06	7.86E-06	2.59E-05	1.79E-06
2907	469924.49	3819057.84	9.23E-05	3.88E-04	3.49E-05	7.69E-05	2.85E-04	2.51E-05	8.72E-06	4.99E-05	5.96E-06	7.93E-06	2.61E-05	1.80E-06
2908	469937.05	3819045.7	9.72E-05	4.08E-04	3.68E-05	8.10E-05	3.00E-04	2.64E-05	9.18E-06	5.25E-05	6.27E-06	8.34E-06	2.75E-05	1.90E-06
2909	469945.82	3819042.23	1.02E-04	4.26E-04	3.84E-05	8.46E-05	3.13E-04	2.76E-05	9.59E-06	5.49E-05	6.55E-06	8.71E-06	2.87E-05	1.98E-06
2910	469954.6	3819038.75	1.06E-04	4.44E-04	4.00E-05	8.82E-05	3.27E-04	2.87E-05	9.99E-06	5.72E-05	6.83E-06	9.09E-06	3.00E-05	2.07E-06
2911	469963.38	3819035.27	1.10E-04	4.63E-04	4.17E-05	9.17E-05	3.40E-04	2.99E-05	1.04E-05	5.95E-05	7.10E-06	9.46E-06	3.12E-05	2.15E-06
2912	469972.16	3819031.8	1.14E-04	4.80E-04	4.32E-05	9.52E-05	3.53E-04	3.10E-05	1.08E-05	6.18E-05	7.37E-06	9.81E-06	3.24E-05	2.23E-06
2913	469980.94	3819028.32	1.18E-04	4.97E-04	4.48E-05	9.86E-05	3.65E-04	3.21E-05	1.12E-05	6.40E-05	7.64E-06	1.02E-05	3.35E-05	2.31E-06
2914	469989.72	3819024.84	1.22E-04	5.14E-04	4.63E-05	1.02E-04	3.78E-04	3.32E-05	1.16E-05	6.61E-05	7.89E-06	1.05E-05	3.46E-05	2.39E-06
2915	469998.5	3819021.37	1.26E-04	5.31E-04	4.78E-05	1.05E-04	3.90E-04	3.43E-05	1.19E-05	6.84E-05	8.16E-06	1.09E-05	3.58E-05	2.47E-06
2916	470007.28	3819017.89	1.30E-04	5.48E-04	4.93E-05	1.09E-04	4.03E-04	3.54E-05	1.23E-05	7.05E-05	8.42E-06	1.12E-05	3.69E-05	2.55E-06
2917	470016.05	3819014.41	1.34E-04	5.64E-04	5.08E-05	1.12E-04	4.15E-04	3.65E-05	1.27E-05	7.27E-05	8.67E-06	1.15E-05	3.80E-05	2.62E-06
2918	470024.83	3819010.94	1.38E-04	5.80E-04	5.22E-05	1.15E-04	4.26E-04	3.75E-05	1.30E-05	7.46E-05	8.90E-06	1.19E-05	3.91E-05	2.69E-06
2919	470033.61	3819007.46	1.41E-04	5.94E-04	5.35E-05	1.18E-04	4.36E-04	3.84E-05	1.34E-05	7.64E-05	9.12E-06	1.21E-05	4.00E-05	2.76E-06
2920	470042.39	3819003.98	1.44E-04	6.07E-04	5.46E-05	1.20E-04	4.46E-04	3.92E-05	1.36E-05	7.81E-05	9.32E-06	1.24E-05	4.09E-05	2.82E-06
2921	470051.17	3819000.5	1.47E-04	6.18E-04	5.57E-05	1.23E-04	4.54E-04	4.00E-05	1.39E-05	7.96E-05	9.50E-06	1.26E-05	4.17E-05	2.87E-06
2922	470059.95	3818997.03	1.50E-04	6.29E-04	5.67E-05	1.25E-04	4.62E-04	4.07E-05	1.41E-05	8.10E-05	9.66E-06	1.29E-05	4.24E-05	2.92E-06
2923	469840.14	3819205	5.48E-05	2.30E-04	2.07E-05	4.57E-05	1.69E-04	1.49E-05	5.18E-06	2.96E-05	3.54E-06	4.71E-06	1.55E-05	1.07E-06
2924	469843.85	3819196.49	5.62E-05	2.36E-04	2.13E-05	4.68E-05	1.73E-04	1.53E-05	5.31E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
2925	469847.56	3819187.98	5.77E-05	2.42E-04	2.18E-05	4.81E-05	1.78E-04	1.57E-05	5.45E-06	3.12E-05	3.72E-06	4.96E-06	1.63E-05	1.13E-06
2926	469851.27	3819179.47	5.93E-05	2.49E-04	2.24E-05	4.94E-05	1.83E-04	1.61E-05	5.60E-06	3.21E-05	3.83E-06	5.09E-06	1.68E-05	1.16E-06
2927	469854.99	3819170.96	6.10E-05	2.56E-04	2.31E-05	5.08E-05	1.88E-04	1.66E-05	5.76E-06	3.30E-05	3.93E-06	5.24E-06	1.73E-05	1.19E-06
2928	469858.7	3819162.45	6.27E-05	2.63E-04	2.37E-05	5.23E-05	1.94E-04	1.70E-05	5.92E-06	3.39E-05	4.05E-06	5.39E-06	1.78E-05	1.22E-06
2929	469862.41	3819153.94	6.45E-05	2.71E-04	2.44E-05	5.37E-05	1.99E-04	1.75E-05	6.09E-06	3.49E-05	4.16E-06	5.54E-06	1.83E-05	1.26E-06
2930	469866.12	3819145.43	6.63E-05	2.79E-04	2.51E-05	5.52E-05	2.05E-04	1.80E-05	6.26E-06	3.59E-05	4.28E-06	5.69E-06	1.88E-05	1.29E-06
2931	469869.83	3819136.92	6.81E-05	2.86E-04	2.58E-05	5.67E-05	2.10E-04	1.85E-05	6.43E-06	3.68E-05	4.39E-06	5.85E-06	1.93E-05	1.33E-06
2932	469873.54	3819128.41	6.99E-05	2.94E-04	2.64E-05	5.82E-05	2.16E-04	1.90E-05	6.60E-06	3.78E-05	4.51E-06	6.00E-06	1.98E-05	1.36E-06
2933	469877.25	3819119.9	7.17E-05	3.01E-04	2.71E-05	5.97E-05	2.21E-04	1.95E-05	6.77E-06	3.87E-05	4.62E-06	6.15E-06	2.03E-05	1.40E-06
2934	469880.97	3819111.39	7.34E-05	3.08E-04	2.77E-05	6.11E-05	2.26E-04	1.99E-05	6.93E-06	3.97E-05	4.73E-06	6.30E-06	2.08E-05	1.43E-06
2935	469888.39	3819094.37	7.65E-05	3.21E-04	2.89E-05	6.37E-05	2.36E-04	2.08E-05	7.22E-06	4.13E-05	4.93E-06	6.57E-06	2.16E-05	1.49E-06
2936	469892.1	3819085.86	7.79E-05	3.27E-04	2.95E-05	6.49E-05	2.40E-04	2.11E-05	7.36E-06	4.21E-05	5.02E-06	6.69E-06	2.20E-05	1.52E-06

2937	469895.81	3819077.35	7.92E-05	3.32E-04	2.99E-05	6.59E-05	2.44E-04	2.15E-05	7.48E-06	4.28E-05	5.11E-06	6.80E-06	2.24E-05	1.54E-06
2938	469899.52	3819068.84	8.03E-05	3.37E-04	3.04E-05	6.69E-05	2.48E-04	2.18E-05	7.58E-06	4.34E-05	5.18E-06	6.89E-06	2.27E-05	1.57E-06
2939	469903.23	3819060.33	8.13E-05	3.41E-04	3.08E-05	6.77E-05	2.51E-04	2.21E-05	7.68E-06	4.40E-05	5.24E-06	6.98E-06	2.30E-05	1.59E-06
2940	469906.95	3819051.82	8.22E-05	3.45E-04	3.11E-05	6.84E-05	2.54E-04	2.23E-05	7.76E-06	4.44E-05	5.30E-06	7.05E-06	2.33E-05	1.60E-06
2941	469910.66	3819043.31	8.28E-05	3.48E-04	3.13E-05	6.90E-05	2.56E-04	2.25E-05	7.82E-06	4.48E-05	5.34E-06	7.11E-06	2.34E-05	1.62E-06
2942	469923	3819031.38	8.69E-05	3.65E-04	3.29E-05	7.24E-05	2.68E-04	2.36E-05	8.21E-06	4.70E-05	5.61E-06	7.46E-06	2.46E-05	1.70E-06
2943	469931.63	3819027.96	9.05E-05	3.80E-04	3.42E-05	7.54E-05	2.79E-04	2.46E-05	8.55E-06	4.89E-05	5.84E-06	7.77E-06	2.56E-05	1.77E-06
2944	469940.26	3819024.54	9.42E-05	3.96E-04	3.56E-05	7.84E-05	2.91E-04	2.56E-05	8.89E-06	5.09E-05	6.07E-06	8.08E-06	2.67E-05	1.84E-06
2945	469948.9	3819021.12	9.78E-05	4.11E-04	3.70E-05	8.15E-05	3.02E-04	2.66E-05	9.24E-06	5.29E-05	6.31E-06	8.40E-06	2.77E-05	1.91E-06
2946	469957.53	3819017.71	1.01E-04	4.26E-04	3.84E-05	8.45E-05	3.13E-04	2.75E-05	9.58E-06	5.48E-05	6.54E-06	8.71E-06	2.87E-05	1.98E-06
2947	469966.16	3819014.29	1.05E-04	4.40E-04	3.96E-05	8.73E-05	3.23E-04	2.85E-05	9.90E-06	5.67E-05	6.76E-06	9.00E-06	2.97E-05	2.05E-06
2948	469974.79	3819010.87	1.08E-04	4.54E-04	4.09E-05	9.00E-05	3.34E-04	2.93E-05	1.02E-05	5.84E-05	6.97E-06	9.28E-06	3.06E-05	2.11E-06
2949	469983.42	3819007.45	1.11E-04	4.68E-04	4.21E-05	9.27E-05	3.44E-04	3.02E-05	1.05E-05	6.02E-05	7.18E-06	9.56E-06	3.15E-05	2.17E-06
2950	469992.06	3819004.03	1.15E-04	4.81E-04	4.33E-05	9.55E-05	3.54E-04	3.11E-05	1.08E-05	6.20E-05	7.39E-06	9.84E-06	3.24E-05	2.24E-06
2951	470000.69	3819000.61	1.18E-04	4.96E-04	4.46E-05	9.83E-05	3.64E-04	3.20E-05	1.11E-05	6.38E-05	7.61E-06	1.01E-05	3.34E-05	2.30E-06
2952	470009.32	3818997.19	1.21E-04	5.09E-04	4.59E-05	1.01E-04	3.74E-04	3.29E-05	1.14E-05	6.55E-05	7.82E-06	1.04E-05	3.43E-05	2.37E-06
2953	470061.11	3818976.68	1.36E-04	5.71E-04	5.15E-05	1.13E-04	4.20E-04	3.69E-05	1.28E-05	7.35E-05	8.77E-06	1.17E-05	3.85E-05	2.65E-06
2954	470069.74	3818973.26	1.38E-04	5.78E-04	5.21E-05	1.15E-04	4.25E-04	3.74E-05	1.30E-05	7.44E-05	8.88E-06	1.18E-05	3.90E-05	2.69E-06
2955	470078.37	3818969.84	1.39E-04	5.84E-04	5.25E-05	1.16E-04	4.29E-04	3.77E-05	1.31E-05	7.51E-05	8.96E-06	1.19E-05	3.93E-05	2.71E-06
2956	470087.01	3818966.42	1.40E-04	5.88E-04	5.30E-05	1.17E-04	4.32E-04	3.80E-05	1.32E-05	7.57E-05	9.03E-06	1.20E-05	3.96E-05	2.73E-06
2957	470095.64	3818963.01	1.41E-04	5.92E-04	5.33E-05	1.17E-04	4.35E-04	3.83E-05	1.33E-05	7.62E-05	9.09E-06	1.21E-05	3.99E-05	2.75E-06
2958	470104.27	3818959.59	1.41E-04	5.94E-04	5.35E-05	1.18E-04	4.37E-04	3.84E-05	1.34E-05	7.65E-05	9.12E-06	1.21E-05	4.00E-05	2.76E-06
2959	469820.44	3819203.92	4.82E-05	2.03E-04	1.82E-05	4.02E-05	1.49E-04	1.31E-05	4.56E-06	2.61E-05	3.11E-06	4.14E-06	1.37E-05	9.41E-07
2960	469843.31	3819151.49	5.67E-05	2.38E-04	2.14E-05	4.72E-05	1.75E-04	1.54E-05	5.35E-06	3.06E-05	3.66E-06	4.87E-06	1.60E-05	1.11E-06
2961	469847.12	3819142.75	5.83E-05	2.45E-04	2.20E-05	4.86E-05	1.80E-04	1.58E-05	5.51E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
2962	469850.93	3819134.01	5.99E-05	2.52E-04	2.27E-05	4.99E-05	1.85E-04	1.63E-05	5.66E-06	3.24E-05	3.87E-06	5.14E-06	1.70E-05	1.17E-06
2963	469854.74	3819125.28	6.15E-05	2.58E-04	2.33E-05	5.13E-05	1.90E-04	1.67E-05	5.81E-06	3.33E-05	3.97E-06	5.28E-06	1.74E-05	1.20E-06
2964	469858.55	3819116.54	6.31E-05	2.65E-04	2.39E-05	5.26E-05	1.95E-04	1.71E-05	5.96E-06	3.41E-05	4.07E-06	5.42E-06	1.79E-05	1.23E-06
2965	469869.98	3819090.32	6.77E-05	2.84E-04	2.56E-05	5.64E-05	2.09E-04	1.84E-05	6.39E-06	3.66E-05	4.36E-06	5.81E-06	1.92E-05	1.32E-06
2966	469873.79	3819081.59	6.90E-05	2.90E-04	2.61E-05	5.75E-05	2.13E-04	1.87E-05	6.52E-06	3.73E-05	4.45E-06	5.92E-06	1.95E-05	1.35E-06
2967	469877.6	3819072.85	7.03E-05	2.95E-04	2.66E-05	5.85E-05	2.17E-04	1.91E-05	6.64E-06	3.80E-05	4.53E-06	6.03E-06	1.99E-05	1.37E-06
2968	469881.42	3819064.11	7.14E-05	3.00E-04	2.70E-05	5.95E-05	2.20E-04	1.94E-05	6.74E-06	3.86E-05	4.61E-06	6.13E-06	2.02E-05	1.39E-06
2969	469885.23	3819055.37	7.24E-05	3.04E-04	2.74E-05	6.03E-05	2.24E-04	1.97E-05	6.84E-06	3.92E-05	4.67E-06	6.22E-06	2.05E-05	1.41E-06
2970	469889.04	3819046.63	7.33E-05	3.08E-04	2.77E-05	6.11E-05	2.26E-04	1.99E-05	6.92E-06	3.96E-05	4.73E-06	6.29E-06	2.08E-05	1.43E-06
2971	469892.85	3819037.89	7.41E-05	3.11E-04	2.80E-05	6.17E-05	2.29E-04	2.01E-05	7.00E-06	4.00E-05	4.78E-06	6.36E-06	2.10E-05	1.45E-06
2972	469896.66	3819029.16	7.47E-05	3.14E-04	2.82E-05	6.22E-05	2.30E-04	2.03E-05	7.05E-06	4.04E-05	4.82E-06	6.41E-06	2.11E-05	1.46E-06
2973	469909.33	3819016.91	7.83E-05	3.29E-04	2.96E-05	6.52E-05	2.42E-04	2.13E-05	7.40E-06	4.23E-05	5.05E-06	6.72E-06	2.22E-05	1.53E-06
2974	469918.2	3819013.4	8.15E-05	3.42E-04	3.08E-05	6.79E-05	2.51E-04	2.21E-05	7.70E-06	4.41E-05	5.26E-06	7.00E-06	2.31E-05	1.59E-06
2975	469927.06	3819009.89	8.46E-05	3.55E-04	3.20E-05	7.05E-05	2.61E-04	2.30E-05	7.99E-06	4.58E-05	5.46E-06	7.27E-06	2.40E-05	1.65E-06
2976	469935.92	3819006.38	8.78E-05	3.69E-04	3.32E-05	7.31E-05	2.71E-04	2.38E-05	8.29E-06	4.75E-05	5.66E-06	7.54E-06	2.48E-05	1.71E-06
2977	469944.79	3819002.87	9.09E-05	3.82E-04	3.44E-05	7.57E-05	2.80E-04	2.47E-05	8.58E-06	4.91E-05	5.86E-06	7.80E-06	2.57E-05	1.77E-06
2978	469953.65	3818999.36	9.40E-05	3.95E-04	3.55E-05	7.83E-05	2.90E-04	2.55E-05	8.87E-06	5.08E-05	6.06E-06	8.07E-06	2.66E-05	1.83E-06

2979	469962.51	3818995.85	9.70E-05	4.07E-04	3.67E-05	8.08E-05	2.99E-04	2.63E-05	9.16E-06	5.24E-05	6.25E-06	8.32E-06	2.74E-05	1.89E-06
2980	470006.83	3818978.29	1.11E-04	4.67E-04	4.21E-05	9.26E-05	3.43E-04	3.02E-05	1.05E-05	6.01E-05	7.17E-06	9.55E-06	3.15E-05	2.17E-06
2981	470015.69	3818974.78	1.14E-04	4.78E-04	4.30E-05	9.48E-05	3.51E-04	3.09E-05	1.07E-05	6.15E-05	7.34E-06	9.77E-06	3.22E-05	2.22E-06
2982	470024.55	3818971.27	1.16E-04	4.88E-04	4.39E-05	9.68E-05	3.59E-04	3.15E-05	1.10E-05	6.28E-05	7.50E-06	9.98E-06	3.29E-05	2.27E-06
2983	470051.14	3818960.74	1.22E-04	5.12E-04	4.61E-05	1.02E-04	3.77E-04	3.31E-05	1.15E-05	6.60E-05	7.87E-06	1.05E-05	3.45E-05	2.38E-06
2984	470060.01	3818957.23	1.24E-04	5.19E-04	4.67E-05	1.03E-04	3.81E-04	3.35E-05	1.17E-05	6.68E-05	7.97E-06	1.06E-05	3.50E-05	2.41E-06
2985	470068.87	3818953.72	1.25E-04	5.24E-04	4.72E-05	1.04E-04	3.85E-04	3.39E-05	1.18E-05	6.75E-05	8.05E-06	1.07E-05	3.53E-05	2.44E-06
2986	470077.73	3818950.21	1.26E-04	5.29E-04	4.76E-05	1.05E-04	3.88E-04	3.42E-05	1.19E-05	6.80E-05	8.12E-06	1.08E-05	3.56E-05	2.46E-06
2987	470086.6	3818946.7	1.27E-04	5.32E-04	4.79E-05	1.06E-04	3.91E-04	3.44E-05	1.20E-05	6.85E-05	8.18E-06	1.09E-05	3.59E-05	2.47E-06
2988	470095.46	3818943.19	1.27E-04	5.35E-04	4.82E-05	1.06E-04	3.93E-04	3.46E-05	1.20E-05	6.89E-05	8.22E-06	1.09E-05	3.61E-05	2.49E-06
2989	470104.32	3818939.68	1.28E-04	5.37E-04	4.83E-05	1.06E-04	3.94E-04	3.47E-05	1.21E-05	6.91E-05	8.24E-06	1.10E-05	3.62E-05	2.49E-06
2990	469780.54	3819202.92	3.80E-05	1.60E-04	1.44E-05	3.16E-05	1.17E-04	1.03E-05	3.59E-06	2.05E-05	2.45E-06	3.26E-06	1.08E-05	7.41E-07
2991	469784.37	3819194.12	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.67E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
2992	469788.21	3819185.32	3.97E-05	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.75E-06	2.15E-05	2.56E-06	3.41E-06	1.12E-05	7.75E-07
2993	469792.05	3819176.52	4.07E-05	1.71E-04	1.54E-05	3.39E-05	1.26E-04	1.11E-05	3.85E-06	2.20E-05	2.63E-06	3.50E-06	1.15E-05	7.95E-07
2994	469795.89	3819167.71	4.18E-05	1.75E-04	1.58E-05	3.48E-05	1.29E-04	1.13E-05	3.95E-06	2.26E-05	2.69E-06	3.59E-06	1.18E-05	8.15E-07
2995	469799.73	3819158.91	4.29E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.77E-06	3.68E-06	1.21E-05	8.37E-07
2996	469803.57	3819150.11	4.41E-05	1.85E-04	1.67E-05	3.67E-05	1.36E-04	1.20E-05	4.16E-06	2.38E-05	2.84E-06	3.78E-06	1.25E-05	8.60E-07
2997	469807.41	3819141.3	4.53E-05	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.92E-06	3.89E-06	1.28E-05	8.84E-07
2998	469811.25	3819132.5	4.65E-05	1.95E-04	1.76E-05	3.87E-05	1.43E-04	1.26E-05	4.39E-06	2.51E-05	3.00E-06	3.99E-06	1.32E-05	9.07E-07
2999	469815.09	3819123.7	4.77E-05	2.00E-04	1.80E-05	3.97E-05	1.47E-04	1.29E-05	4.50E-06	2.58E-05	3.07E-06	4.09E-06	1.35E-05	9.30E-07
3000	469818.93	3819114.9	4.89E-05	2.05E-04	1.85E-05	4.07E-05	1.51E-04	1.33E-05	4.62E-06	2.64E-05	3.15E-06	4.20E-06	1.38E-05	9.54E-07
3001	469822.76	3819106.09	5.01E-05	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.73E-06	2.71E-05	3.23E-06	4.30E-06	1.42E-05	9.78E-07
3002	469845.8	3819053.28	5.73E-05	2.41E-04	2.17E-05	4.77E-05	1.77E-04	1.56E-05	5.41E-06	3.10E-05	3.70E-06	4.92E-06	1.62E-05	1.12E-06
3003	469849.64	3819044.47	5.83E-05	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
3004	469853.48	3819035.67	5.91E-05	2.48E-04	2.24E-05	4.92E-05	1.82E-04	1.60E-05	5.58E-06	3.20E-05	3.81E-06	5.08E-06	1.67E-05	1.15E-06
3005	469857.32	3819026.87	5.99E-05	2.52E-04	2.27E-05	4.99E-05	1.85E-04	1.63E-05	5.66E-06	3.24E-05	3.86E-06	5.14E-06	1.70E-05	1.17E-06
3006	469861.15	3819018.06	6.06E-05	2.54E-04	2.29E-05	5.04E-05	1.87E-04	1.64E-05	5.72E-06	3.27E-05	3.91E-06	5.20E-06	1.71E-05	1.18E-06
3007	469864.99	3819009.26	6.11E-05	2.57E-04	2.31E-05	5.09E-05	1.89E-04	1.66E-05	5.77E-06	3.30E-05	3.94E-06	5.25E-06	1.73E-05	1.19E-06
3008	469868.83	3819000.46	6.16E-05	2.59E-04	2.33E-05	5.13E-05	1.90E-04	1.67E-05	5.82E-06	3.33E-05	3.97E-06	5.29E-06	1.74E-05	1.20E-06
3009	469908.39	3818977.51	7.15E-05	3.00E-04	2.71E-05	5.96E-05	2.21E-04	1.94E-05	6.75E-06	3.87E-05	4.61E-06	6.14E-06	2.02E-05	1.40E-06
3010	469917.32	3818973.97	7.38E-05	3.10E-04	2.79E-05	6.15E-05	2.28E-04	2.00E-05	6.97E-06	3.99E-05	4.76E-06	6.34E-06	2.09E-05	1.44E-06
3011	469926.24	3818970.44	7.62E-05	3.20E-04	2.88E-05	6.34E-05	2.35E-04	2.07E-05	7.19E-06	4.12E-05	4.91E-06	6.54E-06	2.16E-05	1.49E-06
3012	469935.17	3818966.9	7.85E-05	3.30E-04	2.97E-05	6.54E-05	2.42E-04	2.13E-05	7.41E-06	4.24E-05	5.06E-06	6.74E-06	2.22E-05	1.53E-06
3013	469944.1	3818963.36	8.08E-05	3.39E-04	3.05E-05	6.73E-05	2.49E-04	2.19E-05	7.63E-06	4.37E-05	5.21E-06	6.93E-06	2.29E-05	1.58E-06
3014	469953.03	3818959.83	8.30E-05	3.49E-04	3.14E-05	6.91E-05	2.56E-04	2.25E-05	7.84E-06	4.49E-05	5.35E-06	7.13E-06	2.35E-05	1.62E-06
3015	469961.96	3818956.29	8.52E-05	3.58E-04	3.22E-05	7.10E-05	2.63E-04	2.31E-05	8.05E-06	4.61E-05	5.50E-06	7.31E-06	2.41E-05	1.66E-06
3016	469970.89	3818952.76	8.73E-05	3.67E-04	3.30E-05	7.27E-05	2.69E-04	2.37E-05	8.25E-06	4.72E-05	5.63E-06	7.50E-06	2.47E-05	1.70E-06
3017	469979.82	3818949.22	8.94E-05	3.75E-04	3.38E-05	7.45E-05	2.76E-04	2.43E-05	8.44E-06	4.83E-05	5.77E-06	7.68E-06	2.53E-05	1.74E-06
3018	469988.75	3818945.68	9.14E-05	3.84E-04	3.46E-05	7.62E-05	2.82E-04	2.48E-05	8.63E-06	4.94E-05	5.90E-06	7.85E-06	2.59E-05	1.78E-06
3019	469997.68	3818942.15	9.34E-05	3.92E-04	3.53E-05	7.78E-05	2.88E-04	2.54E-05	8.82E-06	5.05E-05	6.03E-06	8.02E-06	2.64E-05	1.82E-06
3020	470006.6	3818938.61	9.53E-05	4.00E-04	3.60E-05	7.93E-05	2.94E-04	2.59E-05	9.00E-06	5.15E-05	6.14E-06	8.18E-06	2.70E-05	1.86E-06

3021	470015.53	3818935.07	9.70E-05	4.07E-04	3.67E-05	8.08E-05	2.99E-04	2.63E-05	9.16E-06	5.24E-05	6.26E-06	8.33E-06	2.75E-05	1.89E-06
3022	470024.46	3818931.54	9.85E-05	4.14E-04	3.73E-05	8.21E-05	3.04E-04	2.67E-05	9.30E-06	5.33E-05	6.36E-06	8.46E-06	2.79E-05	1.92E-06
3023	470051.25	3818920.93	1.02E-04	4.30E-04	3.87E-05	8.52E-05	3.16E-04	2.78E-05	9.66E-06	5.53E-05	6.60E-06	8.78E-06	2.90E-05	2.00E-06
3024	470060.18	3818917.39	1.03E-04	4.34E-04	3.90E-05	8.60E-05	3.19E-04	2.80E-05	9.75E-06	5.58E-05	6.66E-06	8.86E-06	2.92E-05	2.01E-06
3025	470069.11	3818913.86	1.04E-04	4.37E-04	3.93E-05	8.66E-05	3.21E-04	2.82E-05	9.82E-06	5.62E-05	6.71E-06	8.93E-06	2.94E-05	2.03E-06
3026	470078.03	3818910.32	1.05E-04	4.39E-04	3.96E-05	8.71E-05	3.23E-04	2.84E-05	9.88E-06	5.65E-05	6.75E-06	8.98E-06	2.96E-05	2.04E-06
3027	470086.96	3818906.78	1.05E-04	4.41E-04	3.97E-05	8.75E-05	3.24E-04	2.85E-05	9.92E-06	5.68E-05	6.77E-06	9.02E-06	2.97E-05	2.05E-06
3028	470095.89	3818903.25	1.05E-04	4.42E-04	3.98E-05	8.77E-05	3.25E-04	2.86E-05	9.94E-06	5.69E-05	6.79E-06	9.03E-06	2.98E-05	2.05E-06
3029	470104.82	3818899.71	1.05E-04	4.42E-04	3.98E-05	8.76E-05	3.25E-04	2.86E-05	9.93E-06	5.69E-05	6.78E-06	9.03E-06	2.98E-05	2.05E-06
3030	469740.24	3819202.83	3.06E-05	1.28E-04	1.16E-05	2.55E-05	9.43E-05	8.30E-06	2.89E-06	1.65E-05	1.97E-06	2.62E-06	8.65E-06	5.96E-07
3031	469743.97	3819194.26	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.60E-05	8.45E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.81E-06	6.07E-07
3032	469747.71	3819185.69	3.17E-05	1.33E-04	1.20E-05	2.64E-05	9.79E-05	8.62E-06	3.00E-06	1.72E-05	2.05E-06	2.72E-06	8.98E-06	6.19E-07
3033	469751.45	3819177.12	3.24E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.18E-06	6.33E-07
3034	469755.19	3819168.55	3.32E-05	1.39E-04	1.25E-05	2.76E-05	1.02E-04	9.00E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.38E-06	6.47E-07
3035	469758.92	3819159.98	3.39E-05	1.43E-04	1.28E-05	2.83E-05	1.05E-04	9.21E-06	3.20E-06	1.83E-05	2.19E-06	2.91E-06	9.61E-06	6.62E-07
3036	469762.66	3819151.41	3.48E-05	1.46E-04	1.31E-05	2.90E-05	1.07E-04	9.44E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.84E-06	6.78E-07
3037	469766.4	3819142.84	3.56E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.67E-06	3.37E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.95E-07
3038	469770.13	3819134.27	3.65E-05	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.92E-06	3.45E-06	1.97E-05	2.36E-06	3.14E-06	1.03E-05	7.13E-07
3039	469773.87	3819125.7	3.74E-05	1.57E-04	1.41E-05	3.12E-05	1.15E-04	1.02E-05	3.53E-06	2.02E-05	2.41E-06	3.21E-06	1.06E-05	7.30E-07
3040	469777.61	3819117.14	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.47E-06	3.29E-06	1.08E-05	7.47E-07
3041	469781.34	3819108.57	3.92E-05	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.36E-06	1.11E-05	7.64E-07
3042	469785.08	3819100	4.01E-05	1.68E-04	1.52E-05	3.34E-05	1.24E-04	1.09E-05	3.79E-06	2.17E-05	2.59E-06	3.44E-06	1.14E-05	7.83E-07
3043	469788.82	3819091.43	4.11E-05	1.73E-04	1.55E-05	3.42E-05	1.27E-04	1.12E-05	3.88E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.02E-07
3044	469792.56	3819082.86	4.21E-05	1.77E-04	1.59E-05	3.51E-05	1.30E-04	1.14E-05	3.97E-06	2.28E-05	2.71E-06	3.61E-06	1.19E-05	8.21E-07
3045	469796.29	3819074.29	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.40E-07
3046	469800.03	3819065.72	4.40E-05	1.85E-04	1.66E-05	3.67E-05	1.36E-04	1.19E-05	4.16E-06	2.38E-05	2.84E-06	3.78E-06	1.25E-05	8.59E-07
3047	469803.77	3819057.15	4.49E-05	1.89E-04	1.70E-05	3.74E-05	1.39E-04	1.22E-05	4.24E-06	2.43E-05	2.90E-06	3.86E-06	1.27E-05	8.77E-07
3048	469807.5	3819048.58	4.58E-05	1.92E-04	1.73E-05	3.82E-05	1.41E-04	1.24E-05	4.33E-06	2.48E-05	2.96E-06	3.93E-06	1.30E-05	8.94E-07
3049	469811.24	3819040.01	4.67E-05	1.96E-04	1.77E-05	3.89E-05	1.44E-04	1.27E-05	4.41E-06	2.52E-05	3.01E-06	4.01E-06	1.32E-05	9.11E-07
3050	469814.98	3819031.44	4.75E-05	2.00E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.49E-06	2.57E-05	3.06E-06	4.08E-06	1.34E-05	9.27E-07
3051	469818.72	3819022.88	4.83E-05	2.03E-04	1.83E-05	4.02E-05	1.49E-04	1.31E-05	4.56E-06	2.61E-05	3.12E-06	4.15E-06	1.37E-05	9.42E-07
3052	469822.45	3819014.31	4.90E-05	2.06E-04	1.85E-05	4.08E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.57E-07
3053	469826.19	3819005.74	4.96E-05	2.08E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.69E-06	2.68E-05	3.20E-06	4.26E-06	1.41E-05	9.69E-07
3054	469841.14	3818971.46	5.14E-05	2.16E-04	1.94E-05	4.28E-05	1.59E-04	1.40E-05	4.86E-06	2.78E-05	3.32E-06	4.41E-06	1.46E-05	1.00E-06
3055	469853.57	3818959.45	5.35E-05	2.25E-04	2.02E-05	4.46E-05	1.65E-04	1.45E-05	5.06E-06	2.89E-05	3.45E-06	4.60E-06	1.52E-05	1.04E-06
3056	469862.26	3818956.01	5.54E-05	2.32E-04	2.09E-05	4.61E-05	1.71E-04	1.50E-05	5.23E-06	2.99E-05	3.57E-06	4.75E-06	1.57E-05	1.08E-06
3057	469870.95	3818952.57	5.72E-05	2.40E-04	2.16E-05	4.76E-05	1.76E-04	1.55E-05	5.40E-06	3.09E-05	3.69E-06	4.91E-06	1.62E-05	1.12E-06
3058	469879.64	3818949.12	5.90E-05	2.48E-04	2.23E-05	4.91E-05	1.82E-04	1.60E-05	5.57E-06	3.19E-05	3.81E-06	5.07E-06	1.67E-05	1.15E-06
3059	469888.33	3818945.68	6.08E-05	2.55E-04	2.30E-05	5.07E-05	1.88E-04	1.65E-05	5.74E-06	3.29E-05	3.92E-06	5.22E-06	1.72E-05	1.19E-06
3060	469897.02	3818942.24	6.26E-05	2.63E-04	2.37E-05	5.22E-05	1.93E-04	1.70E-05	5.91E-06	3.38E-05	4.04E-06	5.38E-06	1.77E-05	1.22E-06
3061	469905.72	3818938.8	6.44E-05	2.70E-04	2.44E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
3062	469914.41	3818935.35	6.61E-05	2.78E-04	2.50E-05	5.51E-05	2.04E-04	1.80E-05	6.25E-06	3.58E-05	4.27E-06	5.68E-06	1.87E-05	1.29E-06

3063	469923.1	3818931.91	6.78E-05	2.85E-04	2.57E-05	5.65E-05	2.09E-04	1.84E-05	6.41E-06	3.67E-05	4.38E-06	5.82E-06	1.92E-05	1.32E-06
3064	469931.79	3818928.47	6.95E-05	2.92E-04	2.63E-05	5.79E-05	2.15E-04	1.89E-05	6.57E-06	3.76E-05	4.48E-06	5.97E-06	1.97E-05	1.36E-06
3065	469940.48	3818925.03	7.11E-05	2.99E-04	2.69E-05	5.93E-05	2.20E-04	1.93E-05	6.72E-06	3.85E-05	4.59E-06	6.11E-06	2.01E-05	1.39E-06
3066	469949.17	3818921.58	7.27E-05	3.05E-04	2.75E-05	6.06E-05	2.24E-04	1.97E-05	6.87E-06	3.93E-05	4.69E-06	6.24E-06	2.06E-05	1.42E-06
3067	469957.87	3818918.14	7.43E-05	3.12E-04	2.81E-05	6.18E-05	2.29E-04	2.02E-05	7.01E-06	4.01E-05	4.79E-06	6.37E-06	2.10E-05	1.45E-06
3068	469966.56	3818914.7	7.58E-05	3.18E-04	2.87E-05	6.31E-05	2.34E-04	2.06E-05	7.16E-06	4.10E-05	4.89E-06	6.51E-06	2.15E-05	1.48E-06
3069	469975.25	3818911.26	7.73E-05	3.25E-04	2.92E-05	6.44E-05	2.39E-04	2.10E-05	7.30E-06	4.18E-05	4.99E-06	6.64E-06	2.19E-05	1.51E-06
3070	469983.94	3818907.81	7.88E-05	3.31E-04	2.98E-05	6.56E-05	2.43E-04	2.14E-05	7.44E-06	4.26E-05	5.08E-06	6.76E-06	2.23E-05	1.54E-06
3071	469992.63	3818904.37	8.01E-05	3.37E-04	3.03E-05	6.68E-05	2.47E-04	2.18E-05	7.57E-06	4.33E-05	5.17E-06	6.88E-06	2.27E-05	1.56E-06
3072	470001.32	3818900.93	8.14E-05	3.42E-04	3.08E-05	6.78E-05	2.51E-04	2.21E-05	7.68E-06	4.40E-05	5.25E-06	6.98E-06	2.30E-05	1.59E-06
3073	470010.02	3818897.49	8.25E-05	3.46E-04	3.12E-05	6.87E-05	2.55E-04	2.24E-05	7.79E-06	4.46E-05	5.32E-06	7.08E-06	2.34E-05	1.61E-06
3074	470018.71	3818894.04	8.36E-05	3.51E-04	3.16E-05	6.96E-05	2.58E-04	2.27E-05	7.89E-06	4.52E-05	5.39E-06	7.17E-06	2.37E-05	1.63E-06
3075	470027.4	3818890.6	8.45E-05	3.55E-04	3.20E-05	7.04E-05	2.61E-04	2.29E-05	7.98E-06	4.57E-05	5.45E-06	7.26E-06	2.39E-05	1.65E-06
3076	470044.78	3818883.72	8.62E-05	3.62E-04	3.26E-05	7.18E-05	2.66E-04	2.34E-05	8.14E-06	4.66E-05	5.56E-06	7.40E-06	2.44E-05	1.68E-06
3077	470053.47	3818880.27	8.69E-05	3.65E-04	3.28E-05	7.23E-05	2.68E-04	2.36E-05	8.20E-06	4.70E-05	5.60E-06	7.46E-06	2.46E-05	1.69E-06
3078	470062.16	3818876.83	8.74E-05	3.67E-04	3.31E-05	7.28E-05	2.70E-04	2.37E-05	8.25E-06	4.73E-05	5.64E-06	7.50E-06	2.47E-05	1.71E-06
3079	470070.86	3818873.39	8.78E-05	3.69E-04	3.32E-05	7.32E-05	2.71E-04	2.38E-05	8.29E-06	4.75E-05	5.67E-06	7.54E-06	2.49E-05	1.71E-06
3080	470079.55	3818869.95	8.81E-05	3.70E-04	3.33E-05	7.34E-05	2.72E-04	2.39E-05	8.32E-06	4.77E-05	5.69E-06	7.57E-06	2.50E-05	1.72E-06
3081	470088.24	3818866.51	8.83E-05	3.71E-04	3.34E-05	7.36E-05	2.72E-04	2.40E-05	8.34E-06	4.77E-05	5.70E-06	7.58E-06	2.50E-05	1.72E-06
3082	470096.93	3818863.06	8.83E-05	3.71E-04	3.34E-05	7.36E-05	2.73E-04	2.40E-05	8.34E-06	4.77E-05	5.70E-06	7.58E-06	2.50E-05	1.72E-06
3083	470105.62	3818859.62	8.82E-05	3.70E-04	3.33E-05	7.34E-05	2.72E-04	2.39E-05	8.33E-06	4.77E-05	5.69E-06	7.57E-06	2.50E-05	1.72E-06
3084	469704.1	3819193.19	2.55E-05	1.07E-04	9.66E-06	2.13E-05	7.88E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.23E-06	4.98E-07
3085	469707.86	3819184.56	2.60E-05	1.09E-04	9.82E-06	2.16E-05	8.02E-05	7.05E-06	2.45E-06	1.40E-05	1.68E-06	2.23E-06	7.35E-06	5.07E-07
3086	469711.63	3819175.92	2.65E-05	1.11E-04	1.00E-05	2.20E-05	8.17E-05	7.19E-06	2.50E-06	1.43E-05	1.71E-06	2.27E-06	7.49E-06	5.16E-07
3087	469715.4	3819167.28	2.70E-05	1.13E-04	1.02E-05	2.25E-05	8.33E-05	7.33E-06	2.55E-06	1.46E-05	1.74E-06	2.32E-06	7.64E-06	5.27E-07
3088	469719.16	3819158.65	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.51E-05	7.49E-06	2.60E-06	1.49E-05	1.78E-06	2.37E-06	7.81E-06	5.38E-07
3089	469722.93	3819150.01	2.82E-05	1.18E-04	1.07E-05	2.35E-05	8.70E-05	7.66E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
3090	469726.69	3819141.38	2.89E-05	1.21E-04	1.09E-05	2.40E-05	8.91E-05	7.83E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.17E-06	5.63E-07
3091	469730.46	3819132.74	2.96E-05	1.24E-04	1.12E-05	2.46E-05	9.12E-05	8.02E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.36E-06	5.77E-07
3092	469734.23	3819124.11	3.03E-05	1.27E-04	1.14E-05	2.52E-05	9.34E-05	8.22E-06	2.86E-06	1.64E-05	1.95E-06	2.60E-06	8.57E-06	5.91E-07
3093	469737.99	3819115.47	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.57E-05	8.42E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.78E-06	6.05E-07
3094	469741.76	3819106.84	3.18E-05	1.34E-04	1.20E-05	2.65E-05	9.81E-05	8.63E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	9.00E-06	6.20E-07
3095	469745.52	3819098.2	3.25E-05	1.37E-04	1.23E-05	2.71E-05	1.00E-04	8.83E-06	3.07E-06	1.76E-05	2.10E-06	2.79E-06	9.20E-06	6.34E-07
3096	469749.29	3819089.57	3.32E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.02E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.41E-06	6.49E-07
3097	469753.06	3819080.93	3.40E-05	1.43E-04	1.28E-05	2.83E-05	1.05E-04	9.22E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.62E-06	6.63E-07
3098	469756.82	3819072.3	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.43E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.78E-07
3099	469760.59	3819063.66	3.55E-05	1.49E-04	1.34E-05	2.96E-05	1.10E-04	9.65E-06	3.36E-06	1.92E-05	2.29E-06	3.05E-06	1.01E-05	6.93E-07
3100	469764.35	3819055.02	3.63E-05	1.53E-04	1.37E-05	3.03E-05	1.12E-04	9.86E-06	3.43E-06	1.96E-05	2.34E-06	3.12E-06	1.03E-05	7.09E-07
3101	469768.12	3819046.39	3.71E-05	1.56E-04	1.40E-05	3.09E-05	1.14E-04	1.01E-05	3.50E-06	2.01E-05	2.39E-06	3.19E-06	1.05E-05	7.24E-07
3102	469771.89	3819037.75	3.79E-05	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.44E-06	3.25E-06	1.07E-05	7.39E-07
3103	469775.65	3819029.12	3.86E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
3104	469779.42	3819020.48	3.93E-05	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.67E-07

3105	469783.18	3819011.85	4.00E-05	1.68E-04	1.51E-05	3.33E-05	1.23E-04	1.08E-05	3.77E-06	2.16E-05	2.58E-06	3.43E-06	1.13E-05	7.80E-07
3106	469786.95	3819003.21	4.06E-05	1.70E-04	1.54E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.92E-07
3107	469798.25	3818977.31	4.22E-05	1.77E-04	1.60E-05	3.52E-05	1.30E-04	1.15E-05	3.99E-06	2.28E-05	2.72E-06	3.62E-06	1.19E-05	8.24E-07
3108	469802.01	3818968.67	4.27E-05	1.79E-04	1.61E-05	3.55E-05	1.32E-04	1.16E-05	4.03E-06	2.31E-05	2.75E-06	3.66E-06	1.21E-05	8.32E-07
3109	469805.78	3818960.04	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.40E-07
3110	469809.55	3818951.4	4.34E-05	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.47E-07
3111	469813.31	3818942.76	4.36E-05	1.83E-04	1.65E-05	3.63E-05	1.35E-04	1.18E-05	4.12E-06	2.36E-05	2.81E-06	3.75E-06	1.24E-05	8.51E-07
3112	469825.84	3818930.66	4.53E-05	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.92E-06	3.89E-06	1.28E-05	8.84E-07
3113	469843.35	3818923.72	4.83E-05	2.03E-04	1.83E-05	4.02E-05	1.49E-04	1.31E-05	4.56E-06	2.61E-05	3.11E-06	4.15E-06	1.37E-05	9.42E-07
3114	469852.11	3818920.25	4.97E-05	2.09E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.70E-06	2.69E-05	3.21E-06	4.27E-06	1.41E-05	9.71E-07
3115	469860.87	3818916.78	5.12E-05	2.15E-04	1.94E-05	4.26E-05	1.58E-04	1.39E-05	4.83E-06	2.77E-05	3.30E-06	4.39E-06	1.45E-05	9.99E-07
3116	469869.63	3818913.32	5.26E-05	2.21E-04	1.99E-05	4.38E-05	1.62E-04	1.43E-05	4.97E-06	2.85E-05	3.40E-06	4.52E-06	1.49E-05	1.03E-06
3117	469878.39	3818909.85	5.41E-05	2.27E-04	2.04E-05	4.50E-05	1.67E-04	1.47E-05	5.10E-06	2.92E-05	3.49E-06	4.64E-06	1.53E-05	1.05E-06
3118	469887.15	3818906.38	5.54E-05	2.33E-04	2.10E-05	4.62E-05	1.71E-04	1.51E-05	5.24E-06	3.00E-05	3.58E-06	4.76E-06	1.57E-05	1.08E-06
3119	469895.91	3818902.91	5.68E-05	2.39E-04	2.15E-05	4.73E-05	1.75E-04	1.54E-05	5.36E-06	3.07E-05	3.66E-06	4.88E-06	1.61E-05	1.11E-06
3120	469904.67	3818899.44	5.81E-05	2.44E-04	2.20E-05	4.84E-05	1.79E-04	1.58E-05	5.49E-06	3.14E-05	3.75E-06	4.99E-06	1.65E-05	1.13E-06
3121	469913.42	3818895.97	5.94E-05	2.50E-04	2.25E-05	4.95E-05	1.83E-04	1.61E-05	5.61E-06	3.21E-05	3.83E-06	5.10E-06	1.68E-05	1.16E-06
3122	469922.18	3818892.5	6.07E-05	2.55E-04	2.30E-05	5.06E-05	1.87E-04	1.65E-05	5.73E-06	3.28E-05	3.92E-06	5.21E-06	1.72E-05	1.18E-06
3123	469930.94	3818889.03	6.20E-05	2.60E-04	2.34E-05	5.16E-05	1.91E-04	1.68E-05	5.85E-06	3.35E-05	4.00E-06	5.32E-06	1.75E-05	1.21E-06
3124	469939.7	3818885.56	6.31E-05	2.65E-04	2.39E-05	5.26E-05	1.95E-04	1.71E-05	5.96E-06	3.41E-05	4.07E-06	5.42E-06	1.79E-05	1.23E-06
3125	469948.46	3818882.09	6.43E-05	2.70E-04	2.43E-05	5.36E-05	1.98E-04	1.75E-05	6.07E-06	3.48E-05	4.15E-06	5.52E-06	1.82E-05	1.25E-06
3126	469957.22	3818878.62	6.54E-05	2.75E-04	2.47E-05	5.45E-05	2.02E-04	1.78E-05	6.18E-06	3.54E-05	4.22E-06	5.61E-06	1.85E-05	1.28E-06
3127	469965.98	3818875.16	6.65E-05	2.79E-04	2.52E-05	5.54E-05	2.05E-04	1.81E-05	6.28E-06	3.60E-05	4.29E-06	5.71E-06	1.88E-05	1.30E-06
3128	469974.74	3818871.69	6.76E-05	2.84E-04	2.56E-05	5.63E-05	2.09E-04	1.84E-05	6.39E-06	3.66E-05	4.36E-06	5.81E-06	1.91E-05	1.32E-06
3129	469983.5	3818868.22	6.87E-05	2.88E-04	2.60E-05	5.72E-05	2.12E-04	1.86E-05	6.49E-06	3.71E-05	4.43E-06	5.90E-06	1.94E-05	1.34E-06
3130	469992.25	3818864.75	6.97E-05	2.93E-04	2.64E-05	5.80E-05	2.15E-04	1.89E-05	6.58E-06	3.77E-05	4.49E-06	5.98E-06	1.97E-05	1.36E-06
3131	470001.01	3818861.28	7.05E-05	2.96E-04	2.67E-05	5.88E-05	2.18E-04	1.92E-05	6.66E-06	3.81E-05	4.55E-06	6.06E-06	2.00E-05	1.38E-06
3132	470009.77	3818857.81	7.14E-05	3.00E-04	2.70E-05	5.94E-05	2.20E-04	1.94E-05	6.74E-06	3.86E-05	4.60E-06	6.13E-06	2.02E-05	1.39E-06
3133	470018.53	3818854.34	7.21E-05	3.03E-04	2.73E-05	6.00E-05	2.22E-04	1.96E-05	6.81E-06	3.90E-05	4.65E-06	6.19E-06	2.04E-05	1.41E-06
3134	470027.29	3818850.87	7.28E-05	3.06E-04	2.75E-05	6.06E-05	2.25E-04	1.98E-05	6.87E-06	3.93E-05	4.69E-06	6.25E-06	2.06E-05	1.42E-06
3135	470044.81	3818843.93	7.39E-05	3.10E-04	2.80E-05	6.16E-05	2.28E-04	2.01E-05	6.98E-06	4.00E-05	4.77E-06	6.34E-06	2.09E-05	1.44E-06
3136	470053.57	3818840.47	7.44E-05	3.12E-04	2.81E-05	6.19E-05	2.29E-04	2.02E-05	7.02E-06	4.02E-05	4.80E-06	6.38E-06	2.10E-05	1.45E-06
3137	470062.33	3818837	7.47E-05	3.14E-04	2.83E-05	6.22E-05	2.31E-04	2.03E-05	7.06E-06	4.04E-05	4.82E-06	6.41E-06	2.11E-05	1.46E-06
3138	470071.08	3818833.53	7.50E-05	3.15E-04	2.84E-05	6.25E-05	2.31E-04	2.04E-05	7.08E-06	4.05E-05	4.84E-06	6.44E-06	2.12E-05	1.46E-06
3139	470079.84	3818830.06	7.51E-05	3.16E-04	2.84E-05	6.26E-05	2.32E-04	2.04E-05	7.09E-06	4.06E-05	4.85E-06	6.45E-06	2.13E-05	1.47E-06
3140	470088.6	3818826.59	7.52E-05	3.16E-04	2.84E-05	6.26E-05	2.32E-04	2.04E-05	7.10E-06	4.06E-05	4.85E-06	6.45E-06	2.13E-05	1.47E-06
3141	470097.36	3818823.12	7.51E-05	3.15E-04	2.84E-05	6.26E-05	2.32E-04	2.04E-05	7.09E-06	4.06E-05	4.85E-06	6.45E-06	2.13E-05	1.47E-06
3142	470106.12	3818819.65	7.49E-05	3.15E-04	2.83E-05	6.24E-05	2.31E-04	2.03E-05	7.08E-06	4.05E-05	4.83E-06	6.43E-06	2.12E-05	1.46E-06
3143	469656.62	3819209.55	2.08E-05	8.72E-05	7.85E-06	1.73E-05	6.41E-05	5.64E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.88E-06	4.05E-07
3144	469660.41	3819200.86	2.10E-05	8.83E-05	7.95E-06	1.75E-05	6.49E-05	5.71E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.95E-06	4.10E-07
3145	469664.2	3819192.17	2.13E-05	8.95E-05	8.06E-06	1.78E-05	6.58E-05	5.79E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.03E-06	4.16E-07
3146	469667.99	3819183.48	2.16E-05	9.08E-05	8.18E-06	1.80E-05	6.67E-05	5.87E-06	2.04E-06	1.17E-05	1.40E-06	1.86E-06	6.12E-06	4.22E-07

3147	469671.78	3819174.79	2.20E-05	9.23E-05	8.32E-06	1.83E-05	6.79E-05	5.97E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.22E-06	4.29E-07
3148	469675.57	3819166.09	2.24E-05	9.40E-05	8.47E-06	1.86E-05	6.91E-05	6.08E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.34E-06	4.37E-07
3149	469705.9	3819096.57	2.66E-05	1.12E-04	1.01E-05	2.22E-05	8.21E-05	7.22E-06	2.51E-06	1.44E-05	1.72E-06	2.28E-06	7.53E-06	5.19E-07
3150	469709.69	3819087.88	2.72E-05	1.14E-04	1.03E-05	2.26E-05	8.39E-05	7.38E-06	2.57E-06	1.47E-05	1.75E-06	2.33E-06	7.69E-06	5.30E-07
3151	469713.48	3819079.19	2.78E-05	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
3152	469717.27	3819070.49	2.84E-05	1.19E-04	1.07E-05	2.37E-05	8.77E-05	7.71E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.04E-06	5.54E-07
3153	469721.06	3819061.8	2.91E-05	1.22E-04	1.10E-05	2.42E-05	8.97E-05	7.89E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.23E-06	5.67E-07
3154	469724.85	3819053.11	2.97E-05	1.25E-04	1.12E-05	2.48E-05	9.18E-05	8.07E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.42E-06	5.80E-07
3155	469728.64	3819044.42	3.04E-05	1.28E-04	1.15E-05	2.53E-05	9.38E-05	8.25E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.60E-06	5.93E-07
3156	469732.43	3819035.73	3.10E-05	1.30E-04	1.17E-05	2.59E-05	9.58E-05	8.43E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.79E-06	6.06E-07
3157	469736.22	3819027.04	3.17E-05	1.33E-04	1.20E-05	2.64E-05	9.78E-05	8.60E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.97E-06	6.18E-07
3158	469740.01	3819018.35	3.23E-05	1.36E-04	1.22E-05	2.69E-05	9.97E-05	8.77E-06	3.05E-06	1.75E-05	2.08E-06	2.77E-06	9.14E-06	6.30E-07
3159	469743.8	3819009.66	3.29E-05	1.38E-04	1.24E-05	2.74E-05	1.01E-04	8.92E-06	3.10E-06	1.78E-05	2.12E-06	2.82E-06	9.31E-06	6.41E-07
3160	469747.59	3819000.97	3.34E-05	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.07E-06	3.15E-06	1.81E-05	2.15E-06	2.87E-06	9.46E-06	6.52E-07
3161	469758.96	3818974.89	3.50E-05	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.49E-06	3.30E-06	1.89E-05	2.25E-06	3.00E-06	9.89E-06	6.82E-07
3162	469762.75	3818966.2	3.54E-05	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.62E-06	3.34E-06	1.91E-05	2.28E-06	3.04E-06	1.00E-05	6.91E-07
3163	469766.54	3818957.51	3.58E-05	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.73E-06	3.38E-06	1.94E-05	2.31E-06	3.08E-06	1.01E-05	6.99E-07
3164	469770.33	3818948.82	3.62E-05	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.84E-06	3.42E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.07E-07
3165	469774.12	3818940.13	3.66E-05	1.54E-04	1.38E-05	3.05E-05	1.13E-04	9.93E-06	3.46E-06	1.98E-05	2.36E-06	3.14E-06	1.04E-05	7.14E-07
3166	469777.91	3818931.44	3.69E-05	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.49E-06	2.00E-05	2.38E-06	3.17E-06	1.05E-05	7.20E-07
3167	469781.7	3818922.75	3.72E-05	1.56E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.26E-07
3168	469785.49	3818914.06	3.74E-05	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.02E-05	2.42E-06	3.21E-06	1.06E-05	7.31E-07
3169	469798.1	3818901.88	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
3170	469806.91	3818898.38	4.00E-05	1.68E-04	1.51E-05	3.33E-05	1.23E-04	1.09E-05	3.77E-06	2.16E-05	2.58E-06	3.43E-06	1.13E-05	7.80E-07
3171	469815.73	3818894.89	4.11E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.88E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.03E-07
3172	469824.54	3818891.4	4.23E-05	1.78E-04	1.60E-05	3.52E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.63E-06	1.20E-05	8.26E-07
3173	469842.17	3818884.42	4.46E-05	1.87E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.21E-06	2.41E-05	2.88E-06	3.83E-06	1.26E-05	8.71E-07
3174	469850.99	3818880.93	4.58E-05	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.32E-06	2.48E-05	2.95E-06	3.93E-06	1.30E-05	8.94E-07
3175	469859.8	3818877.44	4.69E-05	1.97E-04	1.77E-05	3.91E-05	1.45E-04	1.27E-05	4.43E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.16E-07
3176	469868.62	3818873.94	4.80E-05	2.02E-04	1.82E-05	4.00E-05	1.48E-04	1.30E-05	4.54E-06	2.60E-05	3.10E-06	4.12E-06	1.36E-05	9.37E-07
3177	469877.43	3818870.45	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.59E-07
3178	469886.25	3818866.96	5.02E-05	2.11E-04	1.90E-05	4.19E-05	1.55E-04	1.36E-05	4.74E-06	2.72E-05	3.24E-06	4.31E-06	1.42E-05	9.80E-07
3179	469895.06	3818863.47	5.13E-05	2.16E-04	1.94E-05	4.28E-05	1.58E-04	1.39E-05	4.85E-06	2.77E-05	3.31E-06	4.41E-06	1.45E-05	1.00E-06
3180	469903.88	3818859.98	5.23E-05	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.94E-06	2.83E-05	3.38E-06	4.49E-06	1.48E-05	1.02E-06
3181	469912.69	3818856.49	5.33E-05	2.24E-04	2.02E-05	4.44E-05	1.65E-04	1.45E-05	5.03E-06	2.88E-05	3.44E-06	4.58E-06	1.51E-05	1.04E-06
3182	469921.51	3818853	5.43E-05	2.28E-04	2.05E-05	4.52E-05	1.67E-04	1.47E-05	5.13E-06	2.93E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
3183	469930.32	3818849.5	5.52E-05	2.32E-04	2.09E-05	4.60E-05	1.70E-04	1.50E-05	5.21E-06	2.99E-05	3.56E-06	4.74E-06	1.56E-05	1.08E-06
3184	469939.14	3818846.01	5.61E-05	2.36E-04	2.12E-05	4.67E-05	1.73E-04	1.52E-05	5.30E-06	3.03E-05	3.62E-06	4.82E-06	1.59E-05	1.09E-06
3185	469947.95	3818842.52	5.69E-05	2.39E-04	2.15E-05	4.74E-05	1.76E-04	1.55E-05	5.38E-06	3.08E-05	3.67E-06	4.89E-06	1.61E-05	1.11E-06
3186	469956.77	3818839.03	5.78E-05	2.43E-04	2.18E-05	4.81E-05	1.78E-04	1.57E-05	5.45E-06	3.12E-05	3.73E-06	4.96E-06	1.64E-05	1.13E-06
3187	469965.58	3818835.54	5.86E-05	2.46E-04	2.22E-05	4.88E-05	1.81E-04	1.59E-05	5.53E-06	3.17E-05	3.78E-06	5.03E-06	1.66E-05	1.14E-06
3188	469974.4	3818832.05	5.94E-05	2.50E-04	2.25E-05	4.95E-05	1.83E-04	1.61E-05	5.61E-06	3.21E-05	3.83E-06	5.10E-06	1.68E-05	1.16E-06

3189	469983.22	3818828.56	6.02E-05	2.53E-04	2.28E-05	5.02E-05	1.86E-04	1.63E-05	5.69E-06	3.26E-05	3.88E-06	5.17E-06	1.70E-05	1.17E-06
3190	469992.03	3818825.07	6.09E-05	2.56E-04	2.30E-05	5.08E-05	1.88E-04	1.65E-05	5.76E-06	3.29E-05	3.93E-06	5.23E-06	1.73E-05	1.19E-06
3191	470000.85	3818821.57	6.16E-05	2.59E-04	2.33E-05	5.13E-05	1.90E-04	1.67E-05	5.81E-06	3.33E-05	3.97E-06	5.29E-06	1.74E-05	1.20E-06
3192	470009.66	3818818.08	6.22E-05	2.61E-04	2.35E-05	5.18E-05	1.92E-04	1.69E-05	5.87E-06	3.36E-05	4.01E-06	5.34E-06	1.76E-05	1.21E-06
3193	470018.48	3818814.59	6.27E-05	2.63E-04	2.37E-05	5.22E-05	1.93E-04	1.70E-05	5.92E-06	3.39E-05	4.04E-06	5.38E-06	1.77E-05	1.22E-06
3194	470027.29	3818811.1	6.32E-05	2.65E-04	2.39E-05	5.26E-05	1.95E-04	1.72E-05	5.97E-06	3.42E-05	4.08E-06	5.42E-06	1.79E-05	1.23E-06
3195	470044.92	3818804.12	6.40E-05	2.69E-04	2.42E-05	5.33E-05	1.97E-04	1.74E-05	6.04E-06	3.46E-05	4.13E-06	5.49E-06	1.81E-05	1.25E-06
3196	470053.74	3818800.63	6.42E-05	2.70E-04	2.43E-05	5.35E-05	1.98E-04	1.74E-05	6.06E-06	3.47E-05	4.14E-06	5.51E-06	1.82E-05	1.25E-06
3197	470062.55	3818797.13	6.44E-05	2.71E-04	2.44E-05	5.37E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
3198	470071.37	3818793.64	6.45E-05	2.71E-04	2.44E-05	5.38E-05	1.99E-04	1.75E-05	6.09E-06	3.49E-05	4.16E-06	5.54E-06	1.83E-05	1.26E-06
3199	470080.18	3818790.15	6.46E-05	2.71E-04	2.44E-05	5.38E-05	1.99E-04	1.75E-05	6.10E-06	3.49E-05	4.17E-06	5.54E-06	1.83E-05	1.26E-06
3200	470089	3818786.66	6.45E-05	2.71E-04	2.44E-05	5.38E-05	1.99E-04	1.75E-05	6.09E-06	3.49E-05	4.16E-06	5.54E-06	1.83E-05	1.26E-06
3201	470097.81	3818783.17	6.44E-05	2.70E-04	2.44E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
3202	470106.63	3818779.68	6.42E-05	2.70E-04	2.43E-05	5.35E-05	1.98E-04	1.74E-05	6.06E-06	3.47E-05	4.14E-06	5.51E-06	1.82E-05	1.25E-06
3203	469616.67	3819208.65	1.76E-05	7.37E-05	6.64E-06	1.46E-05	5.42E-05	4.77E-06	1.66E-06	9.49E-06	1.13E-06	1.51E-06	4.97E-06	3.43E-07
3204	469620.48	3819199.92	1.77E-05	7.44E-05	6.70E-06	1.48E-05	5.47E-05	4.81E-06	1.67E-06	9.58E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
3205	469624.29	3819191.18	1.79E-05	7.53E-05	6.78E-06	1.49E-05	5.53E-05	4.87E-06	1.69E-06	9.69E-06	1.16E-06	1.54E-06	5.07E-06	3.50E-07
3206	469628.1	3819182.44	1.82E-05	7.62E-05	6.86E-06	1.51E-05	5.60E-05	4.93E-06	1.71E-06	9.81E-06	1.17E-06	1.56E-06	5.14E-06	3.54E-07
3207	469631.92	3819173.7	1.84E-05	7.74E-05	6.97E-06	1.53E-05	5.68E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
3208	469635.73	3819164.96	1.87E-05	7.86E-05	7.08E-06	1.56E-05	5.78E-05	5.08E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.30E-06	3.65E-07
3209	469639.54	3819156.23	1.91E-05	8.00E-05	7.21E-06	1.59E-05	5.88E-05	5.17E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
3210	469643.35	3819147.49	1.94E-05	8.16E-05	7.35E-06	1.62E-05	5.99E-05	5.27E-06	1.83E-06	1.05E-05	1.25E-06	1.67E-06	5.50E-06	3.79E-07
3211	469647.16	3819138.75	1.98E-05	8.32E-05	7.50E-06	1.65E-05	6.12E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.61E-06	3.87E-07
3212	469650.97	3819130.01	2.02E-05	8.50E-05	7.66E-06	1.69E-05	6.25E-05	5.50E-06	1.91E-06	1.09E-05	1.31E-06	1.74E-06	5.73E-06	3.95E-07
3213	469654.78	3819121.27	2.07E-05	8.69E-05	7.82E-06	1.72E-05	6.38E-05	5.62E-06	1.95E-06	1.12E-05	1.33E-06	1.78E-06	5.86E-06	4.04E-07
3214	469658.59	3819112.53	2.12E-05	8.89E-05	8.00E-06	1.76E-05	6.53E-05	5.74E-06	2.00E-06	1.14E-05	1.36E-06	1.82E-06	5.99E-06	4.13E-07
3215	469662.4	3819103.8	2.16E-05	9.08E-05	8.18E-06	1.80E-05	6.67E-05	5.87E-06	2.04E-06	1.17E-05	1.40E-06	1.86E-06	6.12E-06	4.22E-07
3216	469666.21	3819095.06	2.21E-05	9.27E-05	8.35E-06	1.84E-05	6.81E-05	5.99E-06	2.08E-06	1.19E-05	1.42E-06	1.90E-06	6.25E-06	4.31E-07
3217	469670.02	3819086.32	2.25E-05	9.46E-05	8.52E-06	1.88E-05	6.95E-05	6.12E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.38E-06	4.40E-07
3218	469673.83	3819077.58	2.30E-05	9.66E-05	8.70E-06	1.92E-05	7.10E-05	6.25E-06	2.17E-06	1.24E-05	1.48E-06	1.98E-06	6.51E-06	4.49E-07
3219	469677.64	3819068.84	2.35E-05	9.88E-05	8.90E-06	1.96E-05	7.26E-05	6.39E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.66E-06	4.59E-07
3220	469704.32	3819007.68	2.72E-05	1.14E-04	1.03E-05	2.27E-05	8.41E-05	7.40E-06	2.57E-06	1.47E-05	1.76E-06	2.34E-06	7.71E-06	5.32E-07
3221	469708.13	3818998.94	2.78E-05	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.53E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
3222	469715.75	3818981.46	2.87E-05	1.21E-04	1.09E-05	2.39E-05	8.86E-05	7.80E-06	2.71E-06	1.55E-05	1.85E-06	2.47E-06	8.13E-06	5.60E-07
3223	469719.56	3818972.72	2.92E-05	1.23E-04	1.10E-05	2.43E-05	9.01E-05	7.93E-06	2.76E-06	1.58E-05	1.88E-06	2.51E-06	8.26E-06	5.70E-07
3224	469723.37	3818963.99	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.15E-05	8.05E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.39E-06	5.79E-07
3225	469727.19	3818955.25	3.01E-05	1.26E-04	1.14E-05	2.51E-05	9.28E-05	8.17E-06	2.84E-06	1.63E-05	1.94E-06	2.58E-06	8.52E-06	5.87E-07
3226	469731	3818946.51	3.05E-05	1.28E-04	1.15E-05	2.54E-05	9.41E-05	8.28E-06	2.88E-06	1.65E-05	1.97E-06	2.62E-06	8.63E-06	5.95E-07
3227	469734.81	3818937.77	3.09E-05	1.30E-04	1.17E-05	2.57E-05	9.53E-05	8.38E-06	2.92E-06	1.67E-05	1.99E-06	2.65E-06	8.74E-06	6.03E-07
3228	469738.62	3818929.03	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.64E-05	8.48E-06	2.95E-06	1.69E-05	2.01E-06	2.68E-06	8.84E-06	6.09E-07
3229	469742.43	3818920.29	3.15E-05	1.32E-04	1.19E-05	2.63E-05	9.74E-05	8.56E-06	2.98E-06	1.71E-05	2.03E-06	2.71E-06	8.93E-06	6.16E-07
3230	469746.24	3818911.56	3.18E-05	1.34E-04	1.20E-05	2.65E-05	9.81E-05	8.63E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	9.00E-06	6.20E-07

3231	469750.05	3818902.82	3.20E-05	1.34E-04	1.21E-05	2.67E-05	9.88E-05	8.69E-06	3.02E-06	1.73E-05	2.06E-06	2.75E-06	9.06E-06	6.25E-07
3232	469753.86	3818894.08	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.94E-05	8.75E-06	3.04E-06	1.74E-05	2.08E-06	2.77E-06	9.12E-06	6.29E-07
3233	469757.67	3818885.34	3.24E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.18E-06	6.33E-07
3234	469770.35	3818873.09	3.36E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.11E-06	3.17E-06	1.81E-05	2.16E-06	2.88E-06	9.50E-06	6.55E-07
3235	469779.21	3818869.58	3.45E-05	1.45E-04	1.31E-05	2.87E-05	1.06E-04	9.37E-06	3.26E-06	1.87E-05	2.23E-06	2.96E-06	9.77E-06	6.73E-07
3236	469788.07	3818866.07	3.55E-05	1.49E-04	1.34E-05	2.96E-05	1.10E-04	9.64E-06	3.35E-06	1.92E-05	2.29E-06	3.05E-06	1.00E-05	6.93E-07
3237	469796.94	3818862.56	3.65E-05	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.90E-06	3.45E-06	1.97E-05	2.35E-06	3.13E-06	1.03E-05	7.12E-07
3238	469805.8	3818859.05	3.75E-05	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.31E-07
3239	469814.66	3818855.54	3.84E-05	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
3240	469823.52	3818852.03	3.93E-05	1.65E-04	1.49E-05	3.28E-05	1.21E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.68E-07
3241	469850.11	3818841.5	4.21E-05	1.77E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.97E-06	2.27E-05	2.71E-06	3.61E-06	1.19E-05	8.21E-07
3242	469858.98	3818837.99	4.29E-05	1.80E-04	1.62E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.38E-07
3243	469867.84	3818834.48	4.38E-05	1.84E-04	1.66E-05	3.65E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.82E-06	3.76E-06	1.24E-05	8.54E-07
3244	469876.7	3818830.97	4.46E-05	1.87E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.21E-06	2.41E-05	2.88E-06	3.83E-06	1.26E-05	8.71E-07
3245	469885.57	3818827.46	4.54E-05	1.91E-04	1.72E-05	3.78E-05	1.40E-04	1.23E-05	4.29E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.86E-07
3246	469894.43	3818823.95	4.62E-05	1.94E-04	1.75E-05	3.85E-05	1.43E-04	1.25E-05	4.36E-06	2.50E-05	2.98E-06	3.97E-06	1.31E-05	9.02E-07
3247	469903.29	3818820.44	4.70E-05	1.97E-04	1.78E-05	3.91E-05	1.45E-04	1.28E-05	4.44E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.17E-07
3248	469912.16	3818816.93	4.78E-05	2.01E-04	1.81E-05	3.98E-05	1.47E-04	1.30E-05	4.51E-06	2.58E-05	3.08E-06	4.10E-06	1.35E-05	9.32E-07
3249	469921.02	3818813.42	4.86E-05	2.04E-04	1.84E-05	4.04E-05	1.50E-04	1.32E-05	4.58E-06	2.62E-05	3.13E-06	4.17E-06	1.37E-05	9.47E-07
3250	469929.88	3818809.91	4.93E-05	2.07E-04	1.86E-05	4.11E-05	1.52E-04	1.34E-05	4.66E-06	2.67E-05	3.18E-06	4.23E-06	1.40E-05	9.62E-07
3251	469938.75	3818806.4	5.00E-05	2.10E-04	1.89E-05	4.16E-05	1.54E-04	1.36E-05	4.72E-06	2.70E-05	3.22E-06	4.29E-06	1.41E-05	9.75E-07
3252	469947.61	3818802.89	5.06E-05	2.13E-04	1.91E-05	4.21E-05	1.56E-04	1.37E-05	4.78E-06	2.74E-05	3.26E-06	4.34E-06	1.43E-05	9.87E-07
3253	469956.47	3818799.38	5.12E-05	2.15E-04	1.94E-05	4.27E-05	1.58E-04	1.39E-05	4.84E-06	2.77E-05	3.30E-06	4.40E-06	1.45E-05	9.99E-07
3254	469965.33	3818795.87	5.18E-05	2.18E-04	1.96E-05	4.32E-05	1.60E-04	1.41E-05	4.89E-06	2.80E-05	3.34E-06	4.45E-06	1.47E-05	1.01E-06
3255	469974.2	3818792.36	5.24E-05	2.20E-04	1.98E-05	4.37E-05	1.62E-04	1.42E-05	4.95E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
3256	469983.06	3818788.85	5.30E-05	2.22E-04	2.00E-05	4.41E-05	1.63E-04	1.44E-05	5.00E-06	2.86E-05	3.42E-06	4.55E-06	1.50E-05	1.03E-06
3257	469991.92	3818785.33	5.35E-05	2.24E-04	2.02E-05	4.45E-05	1.65E-04	1.45E-05	5.05E-06	2.89E-05	3.45E-06	4.59E-06	1.51E-05	1.04E-06
3258	470000.79	3818781.82	5.39E-05	2.26E-04	2.04E-05	4.49E-05	1.66E-04	1.46E-05	5.09E-06	2.91E-05	3.48E-06	4.63E-06	1.53E-05	1.05E-06
3259	470009.65	3818778.31	5.43E-05	2.28E-04	2.05E-05	4.52E-05	1.68E-04	1.47E-05	5.13E-06	2.94E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
3260	470018.51	3818774.8	5.47E-05	2.30E-04	2.07E-05	4.55E-05	1.69E-04	1.48E-05	5.16E-06	2.96E-05	3.53E-06	4.69E-06	1.55E-05	1.07E-06
3261	470027.38	3818771.29	5.50E-05	2.31E-04	2.08E-05	4.58E-05	1.70E-04	1.49E-05	5.20E-06	2.98E-05	3.55E-06	4.72E-06	1.56E-05	1.07E-06
3262	470045.1	3818764.27	5.56E-05	2.34E-04	2.10E-05	4.63E-05	1.72E-04	1.51E-05	5.25E-06	3.01E-05	3.59E-06	4.77E-06	1.57E-05	1.08E-06
3263	470107.15	3818739.7	5.57E-05	2.34E-04	2.11E-05	4.64E-05	1.72E-04	1.51E-05	5.26E-06	3.01E-05	3.59E-06	4.78E-06	1.58E-05	1.09E-06
3264	469607.5	3819303.32	1.97E-05	8.27E-05	7.45E-06	1.64E-05	6.08E-05	5.35E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.58E-06	3.84E-07
3265	469607.31	3819312.96	2.01E-05	8.46E-05	7.62E-06	1.68E-05	6.21E-05	5.47E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.70E-06	3.93E-07
3266	469607.12	3819322.61	2.06E-05	8.66E-05	7.80E-06	1.72E-05	6.36E-05	5.60E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.83E-06	4.02E-07
3267	469606.93	3819332.26	2.11E-05	8.87E-05	7.99E-06	1.76E-05	6.52E-05	5.73E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.98E-06	4.12E-07
3268	469606.73	3819341.91	2.17E-05	9.10E-05	8.20E-06	1.81E-05	6.69E-05	5.88E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.13E-06	4.23E-07
3269	469606.54	3819351.56	2.23E-05	9.35E-05	8.42E-06	1.85E-05	6.87E-05	6.04E-06	2.10E-06	1.20E-05	1.44E-06	1.91E-06	6.30E-06	4.34E-07
3270	469606.35	3819361.21	2.29E-05	9.61E-05	8.65E-06	1.91E-05	7.06E-05	6.21E-06	2.16E-06	1.24E-05	1.48E-06	1.96E-06	6.48E-06	4.46E-07
3271	469606.15	3819370.85	2.35E-05	9.89E-05	8.90E-06	1.96E-05	7.26E-05	6.39E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.66E-06	4.59E-07
3272	469605.96	3819380.5	2.43E-05	1.02E-04	9.17E-06	2.02E-05	7.48E-05	6.58E-06	2.29E-06	1.31E-05	1.56E-06	2.08E-06	6.86E-06	4.73E-07

3273	469605.77	3819390.15	2.50E-05	1.05E-04	9.45E-06	2.08E-05	7.71E-05	6.79E-06	2.36E-06	1.35E-05	1.61E-06	2.15E-06	7.08E-06	4.88E-07
3274	469605.57	3819399.8	2.58E-05	1.08E-04	9.75E-06	2.15E-05	7.96E-05	7.00E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.30E-06	5.03E-07
3275	469605.38	3819409.45	2.66E-05	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.51E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
3276	469605.19	3819419.09	2.76E-05	1.16E-04	1.04E-05	2.29E-05	8.50E-05	7.48E-06	2.60E-06	1.49E-05	1.78E-06	2.37E-06	7.80E-06	5.38E-07
3277	469604.99	3819428.74	2.85E-05	1.20E-04	1.08E-05	2.38E-05	8.80E-05	7.74E-06	2.69E-06	1.54E-05	1.84E-06	2.45E-06	8.07E-06	5.56E-07
3278	469604.8	3819438.39	2.95E-05	1.24E-04	1.12E-05	2.46E-05	9.11E-05	8.01E-06	2.79E-06	1.60E-05	1.90E-06	2.53E-06	8.35E-06	5.76E-07
3279	469576.72	3819207.77	1.51E-05	6.35E-05	5.72E-06	1.26E-05	4.67E-05	4.11E-06	1.43E-06	8.18E-06	9.76E-07	1.30E-06	4.28E-06	2.95E-07
3280	469580.54	3819198.99	1.52E-05	6.40E-05	5.77E-06	1.27E-05	4.70E-05	4.14E-06	1.44E-06	8.24E-06	9.83E-07	1.31E-06	4.32E-06	2.97E-07
3281	469584.37	3819190.21	1.54E-05	6.46E-05	5.82E-06	1.28E-05	4.75E-05	4.18E-06	1.45E-06	8.32E-06	9.92E-07	1.32E-06	4.35E-06	3.00E-07
3282	469588.2	3819181.44	1.56E-05	6.53E-05	5.88E-06	1.30E-05	4.80E-05	4.22E-06	1.47E-06	8.41E-06	1.00E-06	1.34E-06	4.40E-06	3.03E-07
3283	469592.03	3819172.66	1.57E-05	6.61E-05	5.95E-06	1.31E-05	4.86E-05	4.27E-06	1.49E-06	8.51E-06	1.02E-06	1.35E-06	4.46E-06	3.07E-07
3284	469595.86	3819163.88	1.60E-05	6.70E-05	6.03E-06	1.33E-05	4.92E-05	4.33E-06	1.51E-06	8.62E-06	1.03E-06	1.37E-06	4.52E-06	3.11E-07
3285	469599.69	3819155.1	1.62E-05	6.80E-05	6.12E-06	1.35E-05	5.00E-05	4.40E-06	1.53E-06	8.75E-06	1.04E-06	1.39E-06	4.58E-06	3.16E-07
3286	469603.51	3819146.32	1.65E-05	6.91E-05	6.22E-06	1.37E-05	5.08E-05	4.47E-06	1.55E-06	8.89E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
3287	469607.34	3819137.54	1.67E-05	7.03E-05	6.33E-06	1.39E-05	5.17E-05	4.54E-06	1.58E-06	9.05E-06	1.08E-06	1.44E-06	4.74E-06	3.27E-07
3288	469611.17	3819128.76	1.70E-05	7.16E-05	6.45E-06	1.42E-05	5.26E-05	4.63E-06	1.61E-06	9.22E-06	1.10E-06	1.46E-06	4.83E-06	3.33E-07
3289	469615	3819119.98	1.74E-05	7.30E-05	6.57E-06	1.45E-05	5.36E-05	4.72E-06	1.64E-06	9.39E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
3290	469618.83	3819111.21	1.77E-05	7.44E-05	6.70E-06	1.48E-05	5.47E-05	4.81E-06	1.67E-06	9.58E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
3291	469622.66	3819102.43	1.81E-05	7.60E-05	6.84E-06	1.51E-05	5.58E-05	4.91E-06	1.71E-06	9.78E-06	1.17E-06	1.55E-06	5.12E-06	3.53E-07
3292	469626.49	3819093.65	1.85E-05	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.02E-06	1.75E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.61E-07
3293	469630.31	3819084.87	1.89E-05	7.93E-05	7.14E-06	1.57E-05	5.83E-05	5.13E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.35E-06	3.69E-07
3294	469634.14	3819076.09	1.93E-05	8.11E-05	7.30E-06	1.61E-05	5.96E-05	5.24E-06	1.82E-06	1.04E-05	1.25E-06	1.66E-06	5.46E-06	3.77E-07
3295	469637.97	3819067.31	1.97E-05	8.29E-05	7.46E-06	1.64E-05	6.09E-05	5.36E-06	1.86E-06	1.07E-05	1.27E-06	1.69E-06	5.59E-06	3.85E-07
3296	469641.8	3819058.53	2.02E-05	8.47E-05	7.63E-06	1.68E-05	6.23E-05	5.48E-06	1.91E-06	1.09E-05	1.30E-06	1.73E-06	5.71E-06	3.94E-07
3297	469645.63	3819049.75	2.06E-05	8.66E-05	7.80E-06	1.72E-05	6.36E-05	5.60E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.84E-06	4.02E-07
3298	469649.46	3819040.97	2.11E-05	8.84E-05	7.96E-06	1.75E-05	6.50E-05	5.72E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.96E-06	4.11E-07
3299	469653.29	3819032.2	2.15E-05	9.02E-05	8.13E-06	1.79E-05	6.63E-05	5.83E-06	2.03E-06	1.16E-05	1.39E-06	1.84E-06	6.08E-06	4.19E-07
3300	469657.11	3819023.42	2.19E-05	9.20E-05	8.29E-06	1.82E-05	6.76E-05	5.95E-06	2.07E-06	1.18E-05	1.41E-06	1.88E-06	6.20E-06	4.27E-07
3301	469660.94	3819014.64	2.23E-05	9.38E-05	8.45E-06	1.86E-05	6.89E-05	6.06E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.32E-06	4.36E-07
3302	469664.77	3819005.86	2.28E-05	9.57E-05	8.62E-06	1.90E-05	7.03E-05	6.19E-06	2.15E-06	1.23E-05	1.47E-06	1.96E-06	6.45E-06	4.45E-07
3303	469668.6	3818997.08	2.33E-05	9.77E-05	8.79E-06	1.94E-05	7.18E-05	6.31E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.58E-06	4.54E-07
3304	469672.43	3818988.3	2.37E-05	9.95E-05	8.96E-06	1.97E-05	7.31E-05	6.43E-06	2.24E-06	1.28E-05	1.53E-06	2.03E-06	6.71E-06	4.62E-07
3305	469676.26	3818979.52	2.42E-05	1.02E-04	9.16E-06	2.02E-05	7.47E-05	6.57E-06	2.29E-06	1.31E-05	1.56E-06	2.08E-06	6.85E-06	4.72E-07
3306	469706.89	3818909.29	2.71E-05	1.14E-04	1.02E-05	2.26E-05	8.36E-05	7.35E-06	2.56E-06	1.46E-05	1.75E-06	2.33E-06	7.67E-06	5.29E-07
3307	469710.71	3818900.51	2.73E-05	1.15E-04	1.03E-05	2.28E-05	8.44E-05	7.42E-06	2.58E-06	1.48E-05	1.76E-06	2.35E-06	7.74E-06	5.34E-07
3308	469714.54	3818891.73	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.51E-05	7.49E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.81E-06	5.38E-07
3309	469718.37	3818882.96	2.78E-05	1.17E-04	1.05E-05	2.32E-05	8.59E-05	7.56E-06	2.63E-06	1.50E-05	1.80E-06	2.39E-06	7.88E-06	5.43E-07
3310	469722.2	3818874.18	2.81E-05	1.18E-04	1.06E-05	2.34E-05	8.66E-05	7.62E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.94E-06	5.47E-07
3311	469726.03	3818865.4	2.82E-05	1.19E-04	1.07E-05	2.35E-05	8.72E-05	7.67E-06	2.67E-06	1.53E-05	1.82E-06	2.43E-06	8.00E-06	5.51E-07
3312	469729.86	3818856.62	2.84E-05	1.19E-04	1.07E-05	2.36E-05	8.76E-05	7.71E-06	2.68E-06	1.53E-05	1.83E-06	2.44E-06	8.04E-06	5.54E-07
3313	469742.59	3818844.31	2.93E-05	1.23E-04	1.11E-05	2.44E-05	9.05E-05	7.96E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.30E-06	5.72E-07
3314	469751.49	3818840.79	3.02E-05	1.27E-04	1.14E-05	2.51E-05	9.30E-05	8.18E-06	2.85E-06	1.63E-05	1.94E-06	2.59E-06	8.54E-06	5.88E-07

3315	469760.4	3818837.26	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.55E-05	8.40E-06	2.92E-06	1.67E-05	2.00E-06	2.66E-06	8.76E-06	6.04E-07
3316	469769.3	3818833.73	3.17E-05	1.33E-04	1.20E-05	2.64E-05	9.79E-05	8.61E-06	3.00E-06	1.72E-05	2.05E-06	2.72E-06	8.98E-06	6.19E-07
3317	469778.21	3818830.21	3.25E-05	1.37E-04	1.23E-05	2.71E-05	1.00E-04	8.82E-06	3.07E-06	1.76E-05	2.10E-06	2.79E-06	9.20E-06	6.34E-07
3318	469787.11	3818826.68	3.33E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.03E-06	3.14E-06	1.80E-05	2.15E-06	2.86E-06	9.42E-06	6.49E-07
3319	469796.02	3818823.15	3.40E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.24E-06	3.22E-06	1.84E-05	2.20E-06	2.92E-06	9.64E-06	6.64E-07
3320	469804.92	3818819.63	3.48E-05	1.46E-04	1.32E-05	2.90E-05	1.07E-04	9.45E-06	3.29E-06	1.88E-05	2.25E-06	2.99E-06	9.86E-06	6.80E-07
3321	469813.82	3818816.1	3.56E-05	1.49E-04	1.35E-05	2.96E-05	1.10E-04	9.66E-06	3.36E-06	1.92E-05	2.30E-06	3.05E-06	1.01E-05	6.94E-07
3322	469822.73	3818812.57	3.63E-05	1.53E-04	1.37E-05	3.02E-05	1.12E-04	9.86E-06	3.43E-06	1.96E-05	2.34E-06	3.12E-06	1.03E-05	7.09E-07
3323	469849.44	3818801.99	3.84E-05	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
3324	469858.35	3818798.47	3.91E-05	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.36E-06	1.11E-05	7.63E-07
3325	469867.25	3818794.94	3.98E-05	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.75E-06	2.15E-05	2.56E-06	3.41E-06	1.13E-05	7.76E-07
3326	469876.15	3818791.41	4.04E-05	1.70E-04	1.53E-05	3.36E-05	1.25E-04	1.10E-05	3.81E-06	2.18E-05	2.60E-06	3.47E-06	1.14E-05	7.88E-07
3327	469885.06	3818787.89	4.10E-05	1.72E-04	1.55E-05	3.42E-05	1.27E-04	1.11E-05	3.87E-06	2.22E-05	2.64E-06	3.52E-06	1.16E-05	8.00E-07
3328	469893.96	3818784.36	4.16E-05	1.75E-04	1.57E-05	3.47E-05	1.28E-04	1.13E-05	3.93E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.12E-07
3329	469902.87	3818780.83	4.23E-05	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.64E-06	1.20E-05	8.26E-07
3330	469911.77	3818777.31	4.30E-05	1.80E-04	1.62E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.38E-07
3331	469920.68	3818773.78	4.36E-05	1.83E-04	1.65E-05	3.63E-05	1.34E-04	1.18E-05	4.11E-06	2.35E-05	2.81E-06	3.74E-06	1.23E-05	8.50E-07
3332	469929.58	3818770.25	4.41E-05	1.85E-04	1.67E-05	3.67E-05	1.36E-04	1.20E-05	4.16E-06	2.38E-05	2.84E-06	3.79E-06	1.25E-05	8.61E-07
3333	469938.49	3818766.73	4.46E-05	1.87E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.21E-06	2.41E-05	2.88E-06	3.83E-06	1.26E-05	8.70E-07
3334	469947.39	3818763.2	4.51E-05	1.89E-04	1.71E-05	3.76E-05	1.39E-04	1.22E-05	4.26E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.80E-07
3335	470054.24	3818720.88	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.57E-07
3336	470063.15	3818717.35	4.92E-05	2.06E-04	1.86E-05	4.10E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.59E-07
3337	470072.05	3818713.83	4.92E-05	2.07E-04	1.86E-05	4.10E-05	1.52E-04	1.34E-05	4.65E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.60E-07
3338	470080.96	3818710.3	4.92E-05	2.06E-04	1.86E-05	4.09E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.59E-07
3339	470089.86	3818706.77	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.57E-07
3340	470098.76	3818703.25	4.89E-05	2.05E-04	1.85E-05	4.07E-05	1.51E-04	1.33E-05	4.62E-06	2.64E-05	3.16E-06	4.20E-06	1.38E-05	9.55E-07
3341	470107.67	3818699.72	4.87E-05	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.60E-06	2.63E-05	3.14E-06	4.18E-06	1.38E-05	9.50E-07
3342	469567.71	3819292.87	1.67E-05	7.00E-05	6.30E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.01E-06	1.07E-06	1.43E-06	4.72E-06	3.25E-07
3343	469567.51	3819302.52	1.70E-05	7.14E-05	6.43E-06	1.42E-05	5.24E-05	4.61E-06	1.60E-06	9.19E-06	1.10E-06	1.46E-06	4.81E-06	3.32E-07
3344	469567.32	3819312.16	1.74E-05	7.29E-05	6.56E-06	1.45E-05	5.35E-05	4.71E-06	1.64E-06	9.38E-06	1.12E-06	1.49E-06	4.91E-06	3.39E-07
3345	469567.13	3819321.81	1.77E-05	7.45E-05	6.71E-06	1.48E-05	5.47E-05	4.81E-06	1.67E-06	9.59E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
3346	469566.93	3819331.46	1.81E-05	7.62E-05	6.86E-06	1.51E-05	5.60E-05	4.93E-06	1.71E-06	9.81E-06	1.17E-06	1.56E-06	5.14E-06	3.54E-07
3347	469566.74	3819341.11	1.86E-05	7.81E-05	7.03E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.00E-05	1.20E-06	1.60E-06	5.26E-06	3.63E-07
3348	469566.55	3819350.76	1.91E-05	8.00E-05	7.21E-06	1.59E-05	5.88E-05	5.17E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.39E-06	3.72E-07
3349	469566.35	3819360.4	1.96E-05	8.21E-05	7.39E-06	1.63E-05	6.03E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.53E-06	3.81E-07
3350	469566.16	3819370.05	2.01E-05	8.43E-05	7.59E-06	1.67E-05	6.20E-05	5.45E-06	1.90E-06	1.09E-05	1.30E-06	1.72E-06	5.68E-06	3.92E-07
3351	469565.97	3819379.7	2.06E-05	8.67E-05	7.80E-06	1.72E-05	6.37E-05	5.60E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.84E-06	4.03E-07
3352	469565.77	3819389.35	2.12E-05	8.91E-05	8.03E-06	1.77E-05	6.55E-05	5.76E-06	2.00E-06	1.15E-05	1.37E-06	1.82E-06	6.01E-06	4.14E-07
3353	469565.58	3819399	2.18E-05	9.17E-05	8.26E-06	1.82E-05	6.74E-05	5.93E-06	2.06E-06	1.18E-05	1.41E-06	1.88E-06	6.18E-06	4.26E-07
3354	469565.39	3819408.65	2.25E-05	9.45E-05	8.51E-06	1.87E-05	6.95E-05	6.11E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.37E-06	4.39E-07
3355	469565.19	3819418.29	2.32E-05	9.76E-05	8.79E-06	1.94E-05	7.17E-05	6.31E-06	2.19E-06	1.26E-05	1.50E-06	1.99E-06	6.58E-06	4.53E-07
3356	469565	3819427.94	2.40E-05	1.01E-04	9.08E-06	2.00E-05	7.41E-05	6.52E-06	2.27E-06	1.30E-05	1.55E-06	2.06E-06	6.79E-06	4.68E-07

3357	469564.81	3819437.59	2.48E-05	1.04E-04	9.38E-06	2.07E-05	7.65E-05	6.73E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.02E-06	4.84E-07
3358	469536.75	3819206.9	1.32E-05	5.53E-05	4.98E-06	1.10E-05	4.07E-05	3.58E-06	1.24E-06	7.12E-06	8.50E-07	1.13E-06	3.73E-06	2.57E-07
3359	469540.6	3819198.09	1.33E-05	5.57E-05	5.01E-06	1.10E-05	4.09E-05	3.60E-06	1.25E-06	7.17E-06	8.55E-07	1.14E-06	3.75E-06	2.59E-07
3360	469544.44	3819189.27	1.34E-05	5.61E-05	5.05E-06	1.11E-05	4.12E-05	3.63E-06	1.26E-06	7.22E-06	8.62E-07	1.15E-06	3.78E-06	2.61E-07
3361	469548.29	3819180.46	1.35E-05	5.66E-05	5.10E-06	1.12E-05	4.16E-05	3.66E-06	1.27E-06	7.29E-06	8.69E-07	1.16E-06	3.82E-06	2.63E-07
3362	469552.13	3819171.64	1.36E-05	5.72E-05	5.15E-06	1.13E-05	4.20E-05	3.70E-06	1.29E-06	7.36E-06	8.78E-07	1.17E-06	3.85E-06	2.66E-07
3363	469555.97	3819162.83	1.38E-05	5.78E-05	5.21E-06	1.15E-05	4.25E-05	3.74E-06	1.30E-06	7.44E-06	8.88E-07	1.18E-06	3.90E-06	2.69E-07
3364	469559.82	3819154.02	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.32E-06	7.54E-06	8.99E-07	1.20E-06	3.95E-06	2.72E-07
3365	469563.66	3819145.2	1.41E-05	5.94E-05	5.35E-06	1.18E-05	4.36E-05	3.84E-06	1.34E-06	7.64E-06	9.12E-07	1.21E-06	4.00E-06	2.76E-07
3366	469567.51	3819136.39	1.44E-05	6.03E-05	5.43E-06	1.20E-05	4.43E-05	3.90E-06	1.36E-06	7.76E-06	9.26E-07	1.23E-06	4.06E-06	2.80E-07
3367	469571.35	3819127.57	1.46E-05	6.13E-05	5.52E-06	1.22E-05	4.51E-05	3.96E-06	1.38E-06	7.89E-06	9.42E-07	1.25E-06	4.13E-06	2.85E-07
3368	469575.19	3819118.76	1.49E-05	6.24E-05	5.62E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.03E-06	9.58E-07	1.28E-06	4.20E-06	2.90E-07
3369	469579.04	3819109.95	1.51E-05	6.35E-05	5.72E-06	1.26E-05	4.67E-05	4.11E-06	1.43E-06	8.18E-06	9.76E-07	1.30E-06	4.28E-06	2.95E-07
3370	469582.88	3819101.13	1.54E-05	6.47E-05	5.83E-06	1.28E-05	4.76E-05	4.18E-06	1.46E-06	8.33E-06	9.94E-07	1.32E-06	4.36E-06	3.01E-07
3371	469586.73	3819092.32	1.57E-05	6.60E-05	5.94E-06	1.31E-05	4.85E-05	4.26E-06	1.48E-06	8.49E-06	1.01E-06	1.35E-06	4.45E-06	3.06E-07
3372	469590.57	3819083.5	1.60E-05	6.73E-05	6.06E-06	1.34E-05	4.95E-05	4.35E-06	1.51E-06	8.67E-06	1.03E-06	1.38E-06	4.54E-06	3.13E-07
3373	469594.41	3819074.69	1.64E-05	6.87E-05	6.19E-06	1.36E-05	5.05E-05	4.44E-06	1.55E-06	8.85E-06	1.06E-06	1.40E-06	4.63E-06	3.19E-07
3374	469598.26	3819065.87	1.67E-05	7.01E-05	6.31E-06	1.39E-05	5.15E-05	4.53E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
3375	469602.1	3819057.06	1.70E-05	7.15E-05	6.44E-06	1.42E-05	5.26E-05	4.62E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
3376	469605.95	3819048.25	1.74E-05	7.30E-05	6.58E-06	1.45E-05	5.36E-05	4.72E-06	1.64E-06	9.40E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
3377	469609.79	3819039.43	1.78E-05	7.46E-05	6.72E-06	1.48E-05	5.48E-05	4.82E-06	1.68E-06	9.60E-06	1.15E-06	1.52E-06	5.03E-06	3.47E-07
3378	469613.63	3819030.62	1.81E-05	7.62E-05	6.86E-06	1.51E-05	5.60E-05	4.92E-06	1.71E-06	9.81E-06	1.17E-06	1.56E-06	5.13E-06	3.54E-07
3379	469617.48	3819021.8	1.85E-05	7.78E-05	7.00E-06	1.54E-05	5.71E-05	5.03E-06	1.75E-06	1.00E-05	1.19E-06	1.59E-06	5.24E-06	3.61E-07
3380	469621.32	3819012.99	1.89E-05	7.94E-05	7.15E-06	1.57E-05	5.83E-05	5.13E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.35E-06	3.69E-07
3381	469625.16	3819004.18	1.93E-05	8.10E-05	7.29E-06	1.61E-05	5.95E-05	5.24E-06	1.82E-06	1.04E-05	1.24E-06	1.66E-06	5.46E-06	3.76E-07
3382	469629.01	3818995.36	1.97E-05	8.26E-05	7.44E-06	1.64E-05	6.07E-05	5.34E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.57E-06	3.84E-07
3383	469632.85	3818986.55	2.01E-05	8.43E-05	7.59E-06	1.67E-05	6.19E-05	5.45E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.68E-06	3.92E-07
3384	469636.7	3818977.73	2.05E-05	8.61E-05	7.76E-06	1.71E-05	6.33E-05	5.57E-06	1.94E-06	1.11E-05	1.32E-06	1.76E-06	5.81E-06	4.00E-07
3385	469640.54	3818968.92	2.09E-05	8.76E-05	7.89E-06	1.74E-05	6.44E-05	5.66E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.07E-07
3386	469644.38	3818960.1	2.12E-05	8.91E-05	8.02E-06	1.77E-05	6.55E-05	5.76E-06	2.00E-06	1.15E-05	1.37E-06	1.82E-06	6.01E-06	4.14E-07
3387	469648.23	3818951.29	2.16E-05	9.06E-05	8.16E-06	1.80E-05	6.65E-05	5.85E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.10E-06	4.21E-07
3388	469652.07	3818942.48	2.19E-05	9.20E-05	8.29E-06	1.83E-05	6.76E-05	5.95E-06	2.07E-06	1.18E-05	1.41E-06	1.88E-06	6.20E-06	4.28E-07
3389	469655.92	3818933.66	2.22E-05	9.34E-05	8.41E-06	1.85E-05	6.87E-05	6.04E-06	2.10E-06	1.20E-05	1.44E-06	1.91E-06	6.30E-06	4.34E-07
3390	469659.76	3818924.85	2.26E-05	9.48E-05	8.54E-06	1.88E-05	6.97E-05	6.13E-06	2.13E-06	1.22E-05	1.46E-06	1.94E-06	6.39E-06	4.40E-07
3391	469714.83	3818815.54	2.58E-05	1.08E-04	9.75E-06	2.15E-05	7.95E-05	7.00E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.30E-06	5.03E-07
3392	469723.77	3818812	2.65E-05	1.11E-04	1.00E-05	2.20E-05	8.16E-05	7.18E-06	2.50E-06	1.43E-05	1.71E-06	2.27E-06	7.49E-06	5.16E-07
3393	469732.71	3818808.46	2.71E-05	1.14E-04	1.03E-05	2.26E-05	8.37E-05	7.36E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.68E-06	5.29E-07
3394	469741.65	3818804.91	2.78E-05	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.39E-06	7.87E-06	5.42E-07
3395	469750.59	3818801.37	2.84E-05	1.19E-04	1.08E-05	2.37E-05	8.77E-05	7.72E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
3396	469759.53	3818797.83	2.91E-05	1.22E-04	1.10E-05	2.42E-05	8.97E-05	7.89E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.23E-06	5.67E-07
3397	469768.47	3818794.29	2.97E-05	1.25E-04	1.12E-05	2.48E-05	9.17E-05	8.07E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.41E-06	5.80E-07
3398	469777.41	3818790.75	3.04E-05	1.28E-04	1.15E-05	2.53E-05	9.37E-05	8.25E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.60E-06	5.93E-07

3399	469786.35	3818787.21	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.57E-05	8.42E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.78E-06	6.05E-07
3400	469795.29	3818783.67	3.16E-05	1.33E-04	1.20E-05	2.63E-05	9.76E-05	8.58E-06	2.99E-06	1.71E-05	2.04E-06	2.71E-06	8.95E-06	6.17E-07
3401	469804.23	3818780.13	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.94E-05	8.74E-06	3.04E-06	1.74E-05	2.08E-06	2.77E-06	9.12E-06	6.29E-07
3402	469813.17	3818776.59	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.90E-06	3.10E-06	1.77E-05	2.11E-06	2.81E-06	9.28E-06	6.40E-07
3403	469822.11	3818773.05	3.34E-05	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.07E-06	3.15E-06	1.81E-05	2.15E-06	2.87E-06	9.45E-06	6.52E-07
3404	469848.93	3818762.42	3.51E-05	1.47E-04	1.33E-05	2.92E-05	1.08E-04	9.53E-06	3.31E-06	1.90E-05	2.26E-06	3.01E-06	9.93E-06	6.85E-07
3405	470054.56	3818680.98	4.33E-05	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.17E-05	4.09E-06	2.34E-05	2.79E-06	3.72E-06	1.23E-05	8.45E-07
3406	470063.5	3818677.44	4.33E-05	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.09E-06	2.34E-05	2.80E-06	3.72E-06	1.23E-05	8.46E-07
3407	470072.44	3818673.9	4.34E-05	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.09E-06	2.34E-05	2.80E-06	3.72E-06	1.23E-05	8.46E-07
3408	470081.38	3818670.36	4.33E-05	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.09E-06	2.34E-05	2.79E-06	3.72E-06	1.23E-05	8.45E-07
3409	470090.32	3818666.82	4.33E-05	1.82E-04	1.64E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.44E-07
3410	470099.26	3818663.28	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.41E-07
3411	470108.2	3818659.74	4.29E-05	1.80E-04	1.62E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.38E-07
3412	469527.71	3819292.07	1.45E-05	6.09E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.84E-06	9.36E-07	1.25E-06	4.11E-06	2.83E-07
3413	469527.52	3819301.71	1.48E-05	6.21E-05	5.59E-06	1.23E-05	4.56E-05	4.02E-06	1.40E-06	8.00E-06	9.54E-07	1.27E-06	4.19E-06	2.89E-07
3414	469527.33	3819311.36	1.51E-05	6.34E-05	5.71E-06	1.26E-05	4.66E-05	4.10E-06	1.43E-06	8.17E-06	9.74E-07	1.30E-06	4.28E-06	2.95E-07
3415	469527.13	3819321.01	1.54E-05	6.48E-05	5.83E-06	1.28E-05	4.76E-05	4.19E-06	1.46E-06	8.34E-06	9.95E-07	1.32E-06	4.37E-06	3.01E-07
3416	469526.94	3819330.66	1.58E-05	6.62E-05	5.96E-06	1.31E-05	4.86E-05	4.28E-06	1.49E-06	8.52E-06	1.02E-06	1.35E-06	4.46E-06	3.08E-07
3417	469526.75	3819340.31	1.61E-05	6.77E-05	6.10E-06	1.34E-05	4.97E-05	4.38E-06	1.52E-06	8.71E-06	1.04E-06	1.38E-06	4.56E-06	3.15E-07
3418	469526.55	3819349.96	1.65E-05	6.93E-05	6.24E-06	1.37E-05	5.09E-05	4.48E-06	1.56E-06	8.92E-06	1.06E-06	1.42E-06	4.67E-06	3.22E-07
3419	469526.36	3819359.6	1.69E-05	7.10E-05	6.39E-06	1.41E-05	5.22E-05	4.59E-06	1.60E-06	9.14E-06	1.09E-06	1.45E-06	4.78E-06	3.30E-07
3420	469526.17	3819369.25	1.73E-05	7.28E-05	6.55E-06	1.44E-05	5.35E-05	4.70E-06	1.64E-06	9.37E-06	1.12E-06	1.49E-06	4.90E-06	3.38E-07
3421	469525.98	3819378.9	1.78E-05	7.46E-05	6.72E-06	1.48E-05	5.49E-05	4.83E-06	1.68E-06	9.61E-06	1.15E-06	1.53E-06	5.03E-06	3.47E-07
3422	469525.78	3819388.55	1.82E-05	7.66E-05	6.90E-06	1.52E-05	5.63E-05	4.95E-06	1.72E-06	9.86E-06	1.18E-06	1.57E-06	5.16E-06	3.56E-07
3423	469525.59	3819398.2	1.87E-05	7.87E-05	7.09E-06	1.56E-05	5.78E-05	5.09E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
3424	469525.4	3819407.84	1.93E-05	8.09E-05	7.29E-06	1.60E-05	5.95E-05	5.23E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.45E-06	3.76E-07
3425	469525.2	3819417.49	1.98E-05	8.34E-05	7.51E-06	1.65E-05	6.12E-05	5.39E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.62E-06	3.87E-07
3426	469525.01	3819427.14	2.05E-05	8.59E-05	7.74E-06	1.70E-05	6.31E-05	5.55E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.79E-06	3.99E-07
3427	469524.82	3819436.79	2.11E-05	8.86E-05	7.98E-06	1.76E-05	6.51E-05	5.73E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.97E-06	4.12E-07
3428	469500.65	3819197.19	1.16E-05	4.89E-05	4.40E-06	9.70E-06	3.59E-05	3.16E-06	1.10E-06	6.29E-06	7.51E-07	9.99E-07	3.30E-06	2.27E-07
3429	469504.5	3819188.35	1.17E-05	4.92E-05	4.43E-06	9.75E-06	3.61E-05	3.18E-06	1.11E-06	6.33E-06	7.55E-07	1.01E-06	3.31E-06	2.28E-07
3430	469508.36	3819179.5	1.18E-05	4.95E-05	4.46E-06	9.83E-06	3.64E-05	3.20E-06	1.11E-06	6.38E-06	7.61E-07	1.01E-06	3.34E-06	2.30E-07
3431	469512.22	3819170.66	1.19E-05	5.00E-05	4.50E-06	9.91E-06	3.67E-05	3.23E-06	1.12E-06	6.43E-06	7.67E-07	1.02E-06	3.37E-06	2.32E-07
3432	469516.08	3819161.81	1.20E-05	5.04E-05	4.54E-06	1.00E-05	3.70E-05	3.26E-06	1.13E-06	6.49E-06	7.74E-07	1.03E-06	3.40E-06	2.34E-07
3433	469519.93	3819152.97	1.21E-05	5.09E-05	4.58E-06	1.01E-05	3.74E-05	3.29E-06	1.14E-06	6.55E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
3434	469523.79	3819144.12	1.22E-05	5.14E-05	4.63E-06	1.02E-05	3.78E-05	3.32E-06	1.16E-06	6.62E-06	7.90E-07	1.05E-06	3.47E-06	2.39E-07
3435	469527.65	3819135.28	1.24E-05	5.20E-05	4.68E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.70E-06	7.99E-07	1.06E-06	3.51E-06	2.42E-07
3436	469531.51	3819126.43	1.26E-05	5.28E-05	4.75E-06	1.05E-05	3.88E-05	3.41E-06	1.19E-06	6.80E-06	8.11E-07	1.08E-06	3.56E-06	2.45E-07
3437	469535.36	3819117.59	1.28E-05	5.36E-05	4.83E-06	1.06E-05	3.94E-05	3.46E-06	1.21E-06	6.90E-06	8.23E-07	1.10E-06	3.61E-06	2.49E-07
3438	469539.22	3819108.74	1.30E-05	5.45E-05	4.91E-06	1.08E-05	4.01E-05	3.52E-06	1.23E-06	7.02E-06	8.37E-07	1.11E-06	3.67E-06	2.53E-07
3439	469543.08	3819099.9	1.32E-05	5.55E-05	5.00E-06	1.10E-05	4.08E-05	3.59E-06	1.25E-06	7.14E-06	8.52E-07	1.13E-06	3.74E-06	2.58E-07
3440	469546.94	3819091.05	1.35E-05	5.65E-05	5.09E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.27E-06	8.68E-07	1.16E-06	3.81E-06	2.63E-07

3441	469550.79	3819082.21	1.37E-05	5.76E-05	5.19E-06	1.14E-05	4.23E-05	3.72E-06	1.29E-06	7.41E-06	8.84E-07	1.18E-06	3.88E-06	2.68E-07
3442	469554.65	3819073.36	1.40E-05	5.87E-05	5.28E-06	1.16E-05	4.31E-05	3.79E-06	1.32E-06	7.55E-06	9.01E-07	1.20E-06	3.95E-06	2.73E-07
3443	469558.51	3819064.52	1.43E-05	5.99E-05	5.39E-06	1.19E-05	4.40E-05	3.87E-06	1.35E-06	7.71E-06	9.19E-07	1.22E-06	4.03E-06	2.78E-07
3444	469562.37	3819055.67	1.45E-05	6.11E-05	5.50E-06	1.21E-05	4.49E-05	3.95E-06	1.37E-06	7.86E-06	9.38E-07	1.25E-06	4.12E-06	2.84E-07
3445	469566.22	3819046.83	1.48E-05	6.23E-05	5.61E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.03E-06	9.58E-07	1.27E-06	4.20E-06	2.90E-07
3446	469570.08	3819037.98	1.51E-05	6.34E-05	5.71E-06	1.26E-05	4.66E-05	4.10E-06	1.42E-06	8.16E-06	9.73E-07	1.30E-06	4.27E-06	2.94E-07
3447	469573.94	3819029.13	1.54E-05	6.47E-05	5.83E-06	1.28E-05	4.75E-05	4.18E-06	1.46E-06	8.33E-06	9.94E-07	1.32E-06	4.36E-06	3.01E-07
3448	469577.8	3819020.29	1.57E-05	6.61E-05	5.95E-06	1.31E-05	4.86E-05	4.27E-06	1.49E-06	8.51E-06	1.02E-06	1.35E-06	4.46E-06	3.07E-07
3449	469581.65	3819011.44	1.61E-05	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.56E-06	3.14E-07
3450	469585.51	3819002.6	1.65E-05	6.91E-05	6.23E-06	1.37E-05	5.08E-05	4.47E-06	1.55E-06	8.90E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
3451	469589.37	3818993.75	1.68E-05	7.06E-05	6.36E-06	1.40E-05	5.19E-05	4.57E-06	1.59E-06	9.09E-06	1.09E-06	1.44E-06	4.76E-06	3.28E-07
3452	469593.23	3818984.91	1.72E-05	7.21E-05	6.50E-06	1.43E-05	5.30E-05	4.66E-06	1.62E-06	9.29E-06	1.11E-06	1.47E-06	4.86E-06	3.35E-07
3453	469597.08	3818976.06	1.75E-05	7.35E-05	6.62E-06	1.46E-05	5.40E-05	4.75E-06	1.65E-06	9.47E-06	1.13E-06	1.50E-06	4.96E-06	3.42E-07
3454	469600.94	3818967.22	1.78E-05	7.49E-05	6.74E-06	1.49E-05	5.50E-05	4.84E-06	1.68E-06	9.64E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
3455	469604.8	3818958.37	1.82E-05	7.62E-05	6.86E-06	1.51E-05	5.60E-05	4.93E-06	1.71E-06	9.81E-06	1.17E-06	1.56E-06	5.14E-06	3.54E-07
3456	469608.66	3818949.53	1.85E-05	7.75E-05	6.98E-06	1.54E-05	5.70E-05	5.01E-06	1.74E-06	9.98E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
3457	469612.51	3818940.68	1.88E-05	7.88E-05	7.10E-06	1.56E-05	5.79E-05	5.09E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
3458	469616.37	3818931.84	1.91E-05	8.01E-05	7.21E-06	1.59E-05	5.88E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
3459	469705.01	3818779.66	2.40E-05	1.01E-04	9.06E-06	2.00E-05	7.39E-05	6.50E-06	2.26E-06	1.29E-05	1.54E-06	2.06E-06	6.78E-06	4.67E-07
3460	469713.98	3818776.1	2.45E-05	1.03E-04	9.27E-06	2.04E-05	7.56E-05	6.65E-06	2.31E-06	1.33E-05	1.58E-06	2.10E-06	6.94E-06	4.78E-07
3461	469722.95	3818772.55	2.51E-05	1.05E-04	9.48E-06	2.09E-05	7.74E-05	6.80E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.89E-07
3462	469731.92	3818769	2.56E-05	1.08E-04	9.69E-06	2.13E-05	7.91E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.25E-06	5.00E-07
3463	469740.89	3818765.44	2.62E-05	1.10E-04	9.90E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
3464	469812.67	3818737.02	3.03E-05	1.27E-04	1.14E-05	2.52E-05	9.34E-05	8.21E-06	2.86E-06	1.64E-05	1.95E-06	2.60E-06	8.56E-06	5.90E-07
3465	469821.64	3818733.46	3.07E-05	1.29E-04	1.16E-05	2.56E-05	9.48E-05	8.34E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.69E-06	5.99E-07
3466	469830.61	3818729.91	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.61E-05	8.46E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.82E-06	6.08E-07
3467	469839.58	3818726.36	3.16E-05	1.33E-04	1.19E-05	2.63E-05	9.75E-05	8.57E-06	2.98E-06	1.71E-05	2.04E-06	2.71E-06	8.94E-06	6.16E-07
3468	469848.55	3818722.8	3.20E-05	1.34E-04	1.21E-05	2.67E-05	9.87E-05	8.69E-06	3.02E-06	1.73E-05	2.06E-06	2.75E-06	9.06E-06	6.24E-07
3469	469857.52	3818719.25	3.24E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.18E-06	6.33E-07
3470	469866.5	3818715.7	3.28E-05	1.38E-04	1.24E-05	2.74E-05	1.01E-04	8.92E-06	3.10E-06	1.78E-05	2.12E-06	2.82E-06	9.30E-06	6.41E-07
3471	469875.47	3818712.14	3.32E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.02E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
3472	469884.44	3818708.59	3.36E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.11E-06	3.17E-06	1.81E-05	2.17E-06	2.88E-06	9.50E-06	6.55E-07
3473	469893.41	3818705.04	3.39E-05	1.42E-04	1.28E-05	2.83E-05	1.05E-04	9.21E-06	3.20E-06	1.83E-05	2.19E-06	2.91E-06	9.60E-06	6.62E-07
3474	469902.38	3818701.48	3.43E-05	1.44E-04	1.30E-05	2.85E-05	1.06E-04	9.30E-06	3.24E-06	1.85E-05	2.21E-06	2.94E-06	9.70E-06	6.69E-07
3475	469911.35	3818697.93	3.46E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.40E-06	3.27E-06	1.87E-05	2.23E-06	2.97E-06	9.80E-06	6.75E-07
3476	470010.04	3818658.84	3.77E-05	1.58E-04	1.42E-05	3.14E-05	1.16E-04	1.02E-05	3.56E-06	2.04E-05	2.43E-06	3.23E-06	1.07E-05	7.35E-07
3477	470019.01	3818655.29	3.79E-05	1.59E-04	1.43E-05	3.16E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.45E-06	3.26E-06	1.07E-05	7.40E-07
3478	470027.99	3818651.74	3.81E-05	1.60E-04	1.44E-05	3.17E-05	1.18E-04	1.03E-05	3.60E-06	2.06E-05	2.46E-06	3.27E-06	1.08E-05	7.44E-07
3479	470036.96	3818648.18	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.47E-06	3.29E-06	1.08E-05	7.47E-07
3480	470045.93	3818644.63	3.84E-05	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.49E-07
3481	470054.9	3818641.08	3.85E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.08E-05	2.49E-06	3.31E-06	1.09E-05	7.52E-07
3482	470063.87	3818637.52	3.87E-05	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.49E-06	3.32E-06	1.09E-05	7.55E-07

3483	470072.84	3818633.97	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
3484	470081.82	3818630.42	3.86E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
3485	470090.79	3818626.86	3.85E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.04E-05	3.64E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.51E-07
3486	470099.76	3818623.31	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
3487	470108.73	3818619.76	3.87E-05	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.50E-06	3.32E-06	1.10E-05	7.55E-07
3488	469488.69	3819243.02	1.18E-05	4.95E-05	4.46E-06	9.82E-06	3.64E-05	3.20E-06	1.11E-06	6.37E-06	7.61E-07	1.01E-06	3.34E-06	2.30E-07
3489	469488.49	3819252.67	1.19E-05	5.02E-05	4.52E-06	9.95E-06	3.69E-05	3.24E-06	1.13E-06	6.46E-06	7.71E-07	1.03E-06	3.38E-06	2.33E-07
3490	469488.3	3819262.32	1.21E-05	5.09E-05	4.58E-06	1.01E-05	3.74E-05	3.29E-06	1.14E-06	6.55E-06	7.82E-07	1.04E-06	3.43E-06	2.36E-07
3491	469488.11	3819271.97	1.23E-05	5.17E-05	4.65E-06	1.02E-05	3.80E-05	3.34E-06	1.16E-06	6.65E-06	7.94E-07	1.06E-06	3.48E-06	2.40E-07
3492	469487.92	3819281.62	1.25E-05	5.25E-05	4.73E-06	1.04E-05	3.86E-05	3.40E-06	1.18E-06	6.76E-06	8.07E-07	1.07E-06	3.54E-06	2.44E-07
3493	469487.72	3819291.27	1.27E-05	5.35E-05	4.82E-06	1.06E-05	3.93E-05	3.46E-06	1.20E-06	6.89E-06	8.22E-07	1.09E-06	3.61E-06	2.49E-07
3494	469487.53	3819300.91	1.30E-05	5.46E-05	4.91E-06	1.08E-05	4.01E-05	3.53E-06	1.23E-06	7.02E-06	8.38E-07	1.12E-06	3.68E-06	2.54E-07
3495	469487.34	3819310.56	1.33E-05	5.57E-05	5.02E-06	1.11E-05	4.09E-05	3.60E-06	1.25E-06	7.17E-06	8.56E-07	1.14E-06	3.76E-06	2.59E-07
3496	469487.14	3819320.21	1.35E-05	5.69E-05	5.12E-06	1.13E-05	4.18E-05	3.68E-06	1.28E-06	7.32E-06	8.74E-07	1.16E-06	3.83E-06	2.64E-07
3497	469486.95	3819329.86	1.38E-05	5.81E-05	5.23E-06	1.15E-05	4.27E-05	3.75E-06	1.31E-06	7.47E-06	8.92E-07	1.19E-06	3.91E-06	2.70E-07
3498	469486.76	3819339.51	1.41E-05	5.93E-05	5.34E-06	1.18E-05	4.36E-05	3.83E-06	1.33E-06	7.63E-06	9.11E-07	1.21E-06	4.00E-06	2.76E-07
3499	469486.56	3819349.15	1.44E-05	6.06E-05	5.46E-06	1.20E-05	4.45E-05	3.92E-06	1.36E-06	7.80E-06	9.31E-07	1.24E-06	4.09E-06	2.82E-07
3500	469486.37	3819358.8	1.48E-05	6.20E-05	5.58E-06	1.23E-05	4.55E-05	4.01E-06	1.39E-06	7.98E-06	9.52E-07	1.27E-06	4.18E-06	2.88E-07
3501	469486.18	3819368.45	1.51E-05	6.34E-05	5.71E-06	1.26E-05	4.66E-05	4.10E-06	1.43E-06	8.17E-06	9.74E-07	1.30E-06	4.28E-06	2.95E-07
3502	469485.98	3819378.1	1.55E-05	6.50E-05	5.85E-06	1.29E-05	4.77E-05	4.20E-06	1.46E-06	8.36E-06	9.98E-07	1.33E-06	4.38E-06	3.02E-07
3503	469485.79	3819387.75	1.59E-05	6.66E-05	5.99E-06	1.32E-05	4.89E-05	4.30E-06	1.50E-06	8.57E-06	1.02E-06	1.36E-06	4.49E-06	3.09E-07
3504	469485.6	3819397.4	1.63E-05	6.83E-05	6.15E-06	1.35E-05	5.02E-05	4.41E-06	1.53E-06	8.79E-06	1.05E-06	1.40E-06	4.60E-06	3.17E-07
3505	469485.4	3819407.04	1.67E-05	7.00E-05	6.31E-06	1.39E-05	5.15E-05	4.53E-06	1.57E-06	9.01E-06	1.08E-06	1.43E-06	4.72E-06	3.25E-07
3506	469485.21	3819416.69	1.71E-05	7.19E-05	6.47E-06	1.43E-05	5.28E-05	4.65E-06	1.62E-06	9.25E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
3507	469485.02	3819426.34	1.76E-05	7.38E-05	6.65E-06	1.46E-05	5.43E-05	4.77E-06	1.66E-06	9.51E-06	1.13E-06	1.51E-06	4.98E-06	3.43E-07
3508	469484.82	3819435.99	1.81E-05	7.59E-05	6.83E-06	1.50E-05	5.58E-05	4.90E-06	1.71E-06	9.77E-06	1.17E-06	1.55E-06	5.11E-06	3.53E-07
3509	469502.23	3819101.05	1.12E-05	4.70E-05	4.24E-06	9.33E-06	3.46E-05	3.04E-06	1.06E-06	6.05E-06	7.22E-07	9.61E-07	3.17E-06	2.19E-07
3510	469506.03	3819092.35	1.14E-05	4.79E-05	4.31E-06	9.50E-06	3.52E-05	3.09E-06	1.08E-06	6.16E-06	7.35E-07	9.79E-07	3.23E-06	2.22E-07
3511	469509.83	3819083.64	1.18E-05	4.96E-05	4.47E-06	9.85E-06	3.65E-05	3.21E-06	1.12E-06	6.39E-06	7.62E-07	1.01E-06	3.35E-06	2.31E-07
3512	469513.62	3819074.94	1.18E-05	4.98E-05	4.48E-06	9.87E-06	3.66E-05	3.22E-06	1.12E-06	6.41E-06	7.64E-07	1.02E-06	3.35E-06	2.31E-07
3513	469517.42	3819066.23	1.21E-05	5.07E-05	4.56E-06	1.01E-05	3.72E-05	3.28E-06	1.14E-06	6.52E-06	7.79E-07	1.04E-06	3.42E-06	2.36E-07
3514	469521.21	3819057.53	1.23E-05	5.17E-05	4.66E-06	1.03E-05	3.80E-05	3.34E-06	1.16E-06	6.65E-06	7.94E-07	1.06E-06	3.48E-06	2.40E-07
3515	469525.01	3819048.82	1.26E-05	5.28E-05	4.75E-06	1.05E-05	3.88E-05	3.41E-06	1.19E-06	6.80E-06	8.11E-07	1.08E-06	3.56E-06	2.45E-07
3516	469528.81	3819040.12	1.28E-05	5.39E-05	4.86E-06	1.07E-05	3.96E-05	3.49E-06	1.21E-06	6.94E-06	8.28E-07	1.10E-06	3.63E-06	2.51E-07
3517	469532.6	3819031.41	1.31E-05	5.51E-05	4.96E-06	1.09E-05	4.05E-05	3.56E-06	1.24E-06	7.09E-06	8.46E-07	1.13E-06	3.71E-06	2.56E-07
3518	469536.4	3819022.71	1.34E-05	5.62E-05	5.06E-06	1.11E-05	4.13E-05	3.63E-06	1.26E-06	7.23E-06	8.63E-07	1.15E-06	3.79E-06	2.61E-07
3519	469540.2	3819014	1.37E-05	5.74E-05	5.17E-06	1.14E-05	4.21E-05	3.71E-06	1.29E-06	7.38E-06	8.81E-07	1.17E-06	3.87E-06	2.66E-07
3520	469543.99	3819005.3	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.32E-06	7.53E-06	8.99E-07	1.20E-06	3.94E-06	2.72E-07
3521	469547.79	3818996.59	1.42E-05	5.97E-05	5.38E-06	1.18E-05	4.39E-05	3.86E-06	1.34E-06	7.69E-06	9.18E-07	1.22E-06	4.03E-06	2.78E-07
3522	469551.59	3818987.89	1.45E-05	6.10E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.85E-06	9.37E-07	1.25E-06	4.11E-06	2.83E-07
3523	469555.38	3818979.18	1.48E-05	6.23E-05	5.61E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.02E-06	9.57E-07	1.27E-06	4.20E-06	2.89E-07
3524	469559.18	3818970.48	1.51E-05	6.36E-05	5.72E-06	1.26E-05	4.67E-05	4.11E-06	1.43E-06	8.18E-06	9.76E-07	1.30E-06	4.28E-06	2.95E-07

3525	469562.98	3818961.77	1.54E-05	6.48E-05	5.84E-06	1.29E-05	4.76E-05	4.19E-06	1.46E-06	8.35E-06	9.96E-07	1.33E-06	4.37E-06	3.01E-07
3526	469566.77	3818953.07	1.57E-05	6.61E-05	5.95E-06	1.31E-05	4.85E-05	4.27E-06	1.49E-06	8.50E-06	1.01E-06	1.35E-06	4.45E-06	3.07E-07
3527	469570.57	3818944.36	1.60E-05	6.72E-05	6.05E-06	1.33E-05	4.94E-05	4.34E-06	1.51E-06	8.65E-06	1.03E-06	1.37E-06	4.53E-06	3.12E-07
3528	469574.36	3818935.66	1.63E-05	6.83E-05	6.15E-06	1.36E-05	5.02E-05	4.42E-06	1.54E-06	8.80E-06	1.05E-06	1.40E-06	4.61E-06	3.17E-07
3529	469578.16	3818926.95	1.65E-05	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.49E-06	1.56E-06	8.94E-06	1.07E-06	1.42E-06	4.68E-06	3.23E-07
3530	469646.5	3818770.26	1.98E-05	8.32E-05	7.49E-06	1.65E-05	6.11E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.60E-06	3.86E-07
3531	469659.12	3818758.06	2.03E-05	8.54E-05	7.69E-06	1.69E-05	6.27E-05	5.52E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.75E-06	3.97E-07
3532	469667.95	3818754.56	2.08E-05	8.73E-05	7.86E-06	1.73E-05	6.42E-05	5.65E-06	1.96E-06	1.12E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
3533	469676.78	3818751.06	2.13E-05	8.93E-05	8.04E-06	1.77E-05	6.56E-05	5.77E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.02E-06	4.15E-07
3534	469712.1	3818737.07	2.32E-05	9.73E-05	8.76E-06	1.93E-05	7.15E-05	6.29E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.56E-06	4.52E-07
3535	469720.93	3818733.58	2.36E-05	9.92E-05	8.93E-06	1.97E-05	7.29E-05	6.41E-06	2.23E-06	1.28E-05	1.52E-06	2.03E-06	6.69E-06	4.61E-07
3536	469729.76	3818730.08	2.41E-05	1.01E-04	9.10E-06	2.00E-05	7.43E-05	6.53E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.81E-06	4.70E-07
3537	469738.59	3818726.58	2.45E-05	1.03E-04	9.27E-06	2.04E-05	7.56E-05	6.65E-06	2.31E-06	1.33E-05	1.58E-06	2.10E-06	6.94E-06	4.78E-07
3538	469747.42	3818723.08	2.50E-05	1.05E-04	9.44E-06	2.08E-05	7.70E-05	6.77E-06	2.36E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.87E-07
3539	469756.25	3818719.59	2.54E-05	1.07E-04	9.60E-06	2.11E-05	7.83E-05	6.89E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.18E-06	4.95E-07
3540	469765.08	3818716.09	2.58E-05	1.08E-04	9.75E-06	2.15E-05	7.95E-05	7.00E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.29E-06	5.03E-07
3541	469773.91	3818712.59	2.62E-05	1.10E-04	9.89E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.25E-06	7.40E-06	5.10E-07
3542	469782.74	3818709.1	2.66E-05	1.12E-04	1.00E-05	2.21E-05	8.19E-05	7.21E-06	2.51E-06	1.44E-05	1.71E-06	2.28E-06	7.52E-06	5.18E-07
3543	469791.57	3818705.6	2.70E-05	1.13E-04	1.02E-05	2.25E-05	8.32E-05	7.32E-06	2.55E-06	1.46E-05	1.74E-06	2.31E-06	7.63E-06	5.26E-07
3544	469800.4	3818702.1	2.74E-05	1.15E-04	1.03E-05	2.28E-05	8.44E-05	7.43E-06	2.58E-06	1.48E-05	1.76E-06	2.35E-06	7.75E-06	5.34E-07
3545	469809.23	3818698.6	2.78E-05	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.53E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
3546	469818.06	3818695.11	2.81E-05	1.18E-04	1.06E-05	2.34E-05	8.67E-05	7.63E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.95E-06	5.48E-07
3547	469826.89	3818691.61	2.84E-05	1.19E-04	1.08E-05	2.37E-05	8.78E-05	7.72E-06	2.69E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
3548	469835.72	3818688.11	2.88E-05	1.21E-04	1.09E-05	2.40E-05	8.88E-05	7.81E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.14E-06	5.61E-07
3549	469844.55	3818684.62	2.91E-05	1.22E-04	1.10E-05	2.42E-05	8.98E-05	7.90E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.24E-06	5.68E-07
3550	469853.38	3818681.12	2.94E-05	1.23E-04	1.11E-05	2.45E-05	9.07E-05	7.98E-06	2.78E-06	1.59E-05	1.90E-06	2.52E-06	8.32E-06	5.74E-07
3551	469862.21	3818677.62	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.17E-05	8.06E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.41E-06	5.80E-07
3552	469871.04	3818674.12	3.00E-05	1.26E-04	1.13E-05	2.50E-05	9.26E-05	8.14E-06	2.83E-06	1.62E-05	1.94E-06	2.58E-06	8.49E-06	5.85E-07
3553	469879.87	3818670.63	3.03E-05	1.27E-04	1.15E-05	2.52E-05	9.35E-05	8.23E-06	2.86E-06	1.64E-05	1.95E-06	2.60E-06	8.58E-06	5.91E-07
3554	469888.69	3818667.13	3.06E-05	1.28E-04	1.16E-05	2.55E-05	9.44E-05	8.30E-06	2.89E-06	1.65E-05	1.97E-06	2.63E-06	8.66E-06	5.97E-07
3555	469897.52	3818663.63	3.09E-05	1.30E-04	1.17E-05	2.57E-05	9.52E-05	8.37E-06	2.91E-06	1.67E-05	1.99E-06	2.65E-06	8.73E-06	6.02E-07
3556	469906.35	3818660.14	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.60E-05	8.45E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.81E-06	6.07E-07
3557	469915.18	3818656.64	3.14E-05	1.32E-04	1.19E-05	2.61E-05	9.69E-05	8.52E-06	2.96E-06	1.70E-05	2.02E-06	2.70E-06	8.89E-06	6.13E-07
3558	469950.5	3818642.65	3.24E-05	1.36E-04	1.22E-05	2.70E-05	9.99E-05	8.79E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.17E-06	6.32E-07
3559	469959.33	3818639.15	3.26E-05	1.37E-04	1.23E-05	2.72E-05	1.01E-04	8.85E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.23E-06	6.36E-07
3560	469968.16	3818635.66	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.90E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.40E-07
3561	469976.99	3818632.16	3.30E-05	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.96E-06	3.12E-06	1.78E-05	2.13E-06	2.83E-06	9.34E-06	6.44E-07
3562	469985.82	3818628.66	3.32E-05	1.39E-04	1.26E-05	2.77E-05	1.02E-04	9.01E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
3563	469994.65	3818625.17	3.34E-05	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.07E-06	3.15E-06	1.81E-05	2.15E-06	2.87E-06	9.46E-06	6.52E-07
3564	470003.48	3818621.67	3.36E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.12E-06	3.17E-06	1.82E-05	2.17E-06	2.88E-06	9.51E-06	6.56E-07
3565	470012.31	3818618.17	3.38E-05	1.42E-04	1.28E-05	2.81E-05	1.04E-04	9.17E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.56E-06	6.59E-07
3566	470021.14	3818614.67	3.40E-05	1.43E-04	1.28E-05	2.83E-05	1.05E-04	9.22E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.61E-06	6.63E-07

3567	470029.97	3818611.18	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.26E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.66E-06	6.66E-07
3568	470038.8	3818607.68	3.43E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.31E-06	3.24E-06	1.85E-05	2.21E-06	2.94E-06	9.70E-06	6.69E-07
3569	470047.63	3818604.18	3.44E-05	1.45E-04	1.30E-05	2.87E-05	1.06E-04	9.34E-06	3.25E-06	1.86E-05	2.22E-06	2.95E-06	9.74E-06	6.72E-07
3570	470056.46	3818600.69	3.45E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.38E-06	3.26E-06	1.87E-05	2.23E-06	2.97E-06	9.78E-06	6.74E-07
3571	470065.29	3818597.19	3.46E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.41E-06	3.27E-06	1.87E-05	2.23E-06	2.97E-06	9.81E-06	6.76E-07
3572	470074.12	3818593.69	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.42E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.77E-07
3573	470082.95	3818590.19	3.48E-05	1.46E-04	1.31E-05	2.90E-05	1.07E-04	9.44E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.84E-06	6.78E-07
3574	470091.78	3818586.7	3.48E-05	1.46E-04	1.32E-05	2.90E-05	1.07E-04	9.44E-06	3.28E-06	1.88E-05	2.24E-06	2.99E-06	9.84E-06	6.79E-07
3575	470100.61	3818583.2	3.48E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.43E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.84E-06	6.78E-07
3576	470109.44	3818579.7	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.41E-06	3.27E-06	1.87E-05	2.24E-06	2.98E-06	9.81E-06	6.77E-07
3577	469448.7	3819242.22	1.05E-05	4.40E-05	3.96E-06	8.73E-06	3.23E-05	2.85E-06	9.90E-07	5.67E-06	6.76E-07	9.00E-07	2.97E-06	2.05E-07
3578	469448.5	3819251.87	1.06E-05	4.46E-05	4.02E-06	8.85E-06	3.28E-05	2.88E-06	1.00E-06	5.74E-06	6.85E-07	9.12E-07	3.01E-06	2.07E-07
3579	469448.31	3819261.52	1.08E-05	4.52E-05	4.07E-06	8.97E-06	3.32E-05	2.92E-06	1.02E-06	5.82E-06	6.95E-07	9.25E-07	3.05E-06	2.10E-07
3580	469448.12	3819271.17	1.09E-05	4.59E-05	4.14E-06	9.11E-06	3.37E-05	2.97E-06	1.03E-06	5.91E-06	7.05E-07	9.39E-07	3.10E-06	2.13E-07
3581	469447.92	3819280.82	1.11E-05	4.66E-05	4.20E-06	9.25E-06	3.43E-05	3.02E-06	1.05E-06	6.00E-06	7.16E-07	9.54E-07	3.14E-06	2.17E-07
3582	469447.73	3819290.46	1.13E-05	4.75E-05	4.28E-06	9.42E-06	3.49E-05	3.07E-06	1.07E-06	6.11E-06	7.29E-07	9.70E-07	3.20E-06	2.21E-07
3583	469447.54	3819300.11	1.15E-05	4.84E-05	4.36E-06	9.59E-06	3.55E-05	3.13E-06	1.09E-06	6.23E-06	7.43E-07	9.89E-07	3.26E-06	2.25E-07
3584	469447.34	3819309.76	1.17E-05	4.93E-05	4.44E-06	9.78E-06	3.63E-05	3.19E-06	1.11E-06	6.35E-06	7.58E-07	1.01E-06	3.33E-06	2.29E-07
3585	469447.15	3819319.41	1.20E-05	5.03E-05	4.53E-06	9.98E-06	3.70E-05	3.25E-06	1.13E-06	6.48E-06	7.73E-07	1.03E-06	3.39E-06	2.34E-07
3586	469446.96	3819329.06	1.22E-05	5.13E-05	4.62E-06	1.02E-05	3.77E-05	3.32E-06	1.15E-06	6.61E-06	7.88E-07	1.05E-06	3.46E-06	2.38E-07
3587	469446.76	3819338.71	1.25E-05	5.23E-05	4.71E-06	1.04E-05	3.85E-05	3.38E-06	1.18E-06	6.74E-06	8.04E-07	1.07E-06	3.53E-06	2.43E-07
3588	469446.57	3819348.35	1.27E-05	5.34E-05	4.81E-06	1.06E-05	3.93E-05	3.45E-06	1.20E-06	6.88E-06	8.21E-07	1.09E-06	3.60E-06	2.48E-07
3589	469446.38	3819358	1.30E-05	5.46E-05	4.92E-06	1.08E-05	4.01E-05	3.53E-06	1.23E-06	7.03E-06	8.38E-07	1.12E-06	3.68E-06	2.54E-07
3590	469446.18	3819367.65	1.33E-05	5.58E-05	5.02E-06	1.11E-05	4.10E-05	3.61E-06	1.25E-06	7.18E-06	8.57E-07	1.14E-06	3.76E-06	2.59E-07
3591	469445.99	3819377.3	1.36E-05	5.71E-05	5.14E-06	1.13E-05	4.19E-05	3.69E-06	1.28E-06	7.35E-06	8.77E-07	1.17E-06	3.85E-06	2.65E-07
3592	469445.8	3819386.95	1.39E-05	5.84E-05	5.26E-06	1.16E-05	4.29E-05	3.77E-06	1.31E-06	7.52E-06	8.97E-07	1.19E-06	3.94E-06	2.71E-07
3593	469445.6	3819396.59	1.42E-05	5.98E-05	5.38E-06	1.19E-05	4.39E-05	3.86E-06	1.34E-06	7.69E-06	9.18E-07	1.22E-06	4.03E-06	2.78E-07
3594	469445.41	3819406.24	1.46E-05	6.12E-05	5.51E-06	1.21E-05	4.50E-05	3.96E-06	1.38E-06	7.88E-06	9.40E-07	1.25E-06	4.13E-06	2.84E-07
3595	469445.22	3819415.89	1.49E-05	6.27E-05	5.65E-06	1.24E-05	4.61E-05	4.05E-06	1.41E-06	8.07E-06	9.63E-07	1.28E-06	4.23E-06	2.91E-07
3596	469445.03	3819425.54	1.53E-05	6.43E-05	5.79E-06	1.27E-05	4.72E-05	4.16E-06	1.45E-06	8.28E-06	9.87E-07	1.31E-06	4.33E-06	2.99E-07
3597	469444.83	3819435.19	1.57E-05	6.59E-05	5.94E-06	1.31E-05	4.85E-05	4.26E-06	1.48E-06	8.49E-06	1.01E-06	1.35E-06	4.44E-06	3.06E-07
3598	469454.82	3819117.27	9.47E-06	3.98E-05	3.58E-06	7.89E-06	2.92E-05	2.57E-06	8.94E-07	5.12E-06	6.11E-07	8.13E-07	2.68E-06	1.85E-07
3599	469458.63	3819108.53	9.60E-06	4.03E-05	3.63E-06	7.99E-06	2.96E-05	2.61E-06	9.06E-07	5.19E-06	6.19E-07	8.24E-07	2.72E-06	1.87E-07
3600	469462.44	3819099.79	9.74E-06	4.09E-05	3.68E-06	8.11E-06	3.01E-05	2.64E-06	9.20E-07	5.27E-06	6.28E-07	8.36E-07	2.76E-06	1.90E-07
3601	469466.25	3819091.05	9.90E-06	4.16E-05	3.74E-06	8.24E-06	3.05E-05	2.69E-06	9.34E-07	5.35E-06	6.38E-07	8.49E-07	2.80E-06	1.93E-07
3602	469470.06	3819082.32	1.01E-05	4.22E-05	3.80E-06	8.38E-06	3.10E-05	2.73E-06	9.50E-07	5.44E-06	6.49E-07	8.64E-07	2.85E-06	1.96E-07
3603	469473.87	3819073.58	1.02E-05	4.30E-05	3.87E-06	8.52E-06	3.16E-05	2.78E-06	9.66E-07	5.53E-06	6.60E-07	8.78E-07	2.90E-06	2.00E-07
3604	469477.68	3819064.84	1.04E-05	4.38E-05	3.95E-06	8.69E-06	3.22E-05	2.83E-06	9.85E-07	5.64E-06	6.73E-07	8.96E-07	2.95E-06	2.04E-07
3605	469500.55	3819012.41	1.18E-05	4.96E-05	4.47E-06	9.84E-06	3.65E-05	3.21E-06	1.12E-06	6.39E-06	7.62E-07	1.01E-06	3.34E-06	2.31E-07
3606	469504.36	3819003.67	1.21E-05	5.06E-05	4.56E-06	1.00E-05	3.72E-05	3.27E-06	1.14E-06	6.51E-06	7.77E-07	1.03E-06	3.41E-06	2.35E-07
3607	469508.17	3818994.93	1.23E-05	5.16E-05	4.65E-06	1.02E-05	3.79E-05	3.34E-06	1.16E-06	6.64E-06	7.93E-07	1.06E-06	3.48E-06	2.40E-07
3608	469511.98	3818986.2	1.25E-05	5.26E-05	4.74E-06	1.04E-05	3.87E-05	3.40E-06	1.18E-06	6.78E-06	8.09E-07	1.08E-06	3.55E-06	2.45E-07

3609	469515.79	3818977.46	1.28E-05	5.38E-05	4.84E-06	1.07E-05	3.95E-05	3.48E-06	1.21E-06	6.92E-06	8.26E-07	1.10E-06	3.62E-06	2.50E-07
3610	469519.6	3818968.72	1.31E-05	5.49E-05	4.94E-06	1.09E-05	4.03E-05	3.55E-06	1.23E-06	7.07E-06	8.43E-07	1.12E-06	3.70E-06	2.55E-07
3611	469523.41	3818959.98	1.33E-05	5.60E-05	5.04E-06	1.11E-05	4.11E-05	3.62E-06	1.26E-06	7.21E-06	8.60E-07	1.14E-06	3.77E-06	2.60E-07
3612	469527.23	3818951.24	1.36E-05	5.71E-05	5.14E-06	1.13E-05	4.20E-05	3.69E-06	1.28E-06	7.35E-06	8.77E-07	1.17E-06	3.85E-06	2.65E-07
3613	469531.04	3818942.51	1.39E-05	5.82E-05	5.24E-06	1.15E-05	4.27E-05	3.76E-06	1.31E-06	7.49E-06	8.93E-07	1.19E-06	3.92E-06	2.70E-07
3614	469534.85	3818933.77	1.41E-05	5.92E-05	5.33E-06	1.17E-05	4.35E-05	3.83E-06	1.33E-06	7.63E-06	9.10E-07	1.21E-06	3.99E-06	2.75E-07
3615	469538.66	3818925.03	1.44E-05	6.03E-05	5.43E-06	1.20E-05	4.43E-05	3.90E-06	1.36E-06	7.76E-06	9.26E-07	1.23E-06	4.06E-06	2.80E-07
3616	469607.25	3818767.74	1.75E-05	7.35E-05	6.62E-06	1.46E-05	5.40E-05	4.75E-06	1.65E-06	9.47E-06	1.13E-06	1.50E-06	4.96E-06	3.42E-07
3617	469611.06	3818759	1.76E-05	7.39E-05	6.65E-06	1.47E-05	5.43E-05	4.78E-06	1.66E-06	9.51E-06	1.13E-06	1.51E-06	4.98E-06	3.43E-07
3618	469614.87	3818750.27	1.77E-05	7.42E-05	6.68E-06	1.47E-05	5.45E-05	4.80E-06	1.67E-06	9.55E-06	1.14E-06	1.52E-06	5.00E-06	3.45E-07
3619	469618.68	3818741.53	1.78E-05	7.45E-05	6.71E-06	1.48E-05	5.48E-05	4.82E-06	1.68E-06	9.60E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
3620	469631.36	3818729.28	1.83E-05	7.66E-05	6.90E-06	1.52E-05	5.63E-05	4.95E-06	1.72E-06	9.87E-06	1.18E-06	1.57E-06	5.17E-06	3.56E-07
3621	469640.22	3818725.77	1.87E-05	7.84E-05	7.06E-06	1.55E-05	5.76E-05	5.07E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.28E-06	3.64E-07
3622	469649.08	3818722.26	1.91E-05	8.01E-05	7.22E-06	1.59E-05	5.89E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
3623	469657.95	3818718.75	1.95E-05	8.18E-05	7.37E-06	1.62E-05	6.01E-05	5.29E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.52E-06	3.80E-07
3624	469666.81	3818715.24	1.99E-05	8.35E-05	7.52E-06	1.66E-05	6.14E-05	5.40E-06	1.88E-06	1.08E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
3625	469675.67	3818711.73	2.03E-05	8.52E-05	7.67E-06	1.69E-05	6.26E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.74E-06	3.96E-07
3626	469711.13	3818697.69	2.18E-05	9.17E-05	8.26E-06	1.82E-05	6.74E-05	5.93E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.18E-06	4.26E-07
3627	469719.99	3818694.18	2.22E-05	9.32E-05	8.39E-06	1.85E-05	6.85E-05	6.03E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.28E-06	4.33E-07
3628	469728.85	3818690.67	2.26E-05	9.48E-05	8.54E-06	1.88E-05	6.97E-05	6.13E-06	2.13E-06	1.22E-05	1.46E-06	1.94E-06	6.39E-06	4.41E-07
3629	469737.72	3818687.15	2.29E-05	9.64E-05	8.68E-06	1.91E-05	7.08E-05	6.23E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.50E-06	4.48E-07
3630	469746.58	3818683.64	2.33E-05	9.79E-05	8.81E-06	1.94E-05	7.19E-05	6.33E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.60E-06	4.55E-07
3631	469755.44	3818680.13	2.36E-05	9.93E-05	8.94E-06	1.97E-05	7.29E-05	6.42E-06	2.23E-06	1.28E-05	1.52E-06	2.03E-06	6.69E-06	4.61E-07
3632	469764.31	3818676.62	2.40E-05	1.01E-04	9.06E-06	2.00E-05	7.39E-05	6.50E-06	2.26E-06	1.30E-05	1.55E-06	2.06E-06	6.78E-06	4.68E-07
3633	469773.17	3818673.11	2.43E-05	1.02E-04	9.18E-06	2.02E-05	7.49E-05	6.59E-06	2.29E-06	1.31E-05	1.57E-06	2.08E-06	6.87E-06	4.74E-07
3634	469782.03	3818669.6	2.46E-05	1.03E-04	9.30E-06	2.05E-05	7.59E-05	6.68E-06	2.32E-06	1.33E-05	1.59E-06	2.11E-06	6.96E-06	4.80E-07
3635	469790.9	3818666.09	2.49E-05	1.05E-04	9.42E-06	2.07E-05	7.69E-05	6.76E-06	2.35E-06	1.35E-05	1.61E-06	2.14E-06	7.05E-06	4.86E-07
3636	469799.76	3818662.58	2.52E-05	1.06E-04	9.53E-06	2.10E-05	7.78E-05	6.84E-06	2.38E-06	1.36E-05	1.63E-06	2.16E-06	7.14E-06	4.92E-07
3637	469808.62	3818659.07	2.55E-05	1.07E-04	9.64E-06	2.12E-05	7.86E-05	6.92E-06	2.41E-06	1.38E-05	1.64E-06	2.19E-06	7.21E-06	4.97E-07
3638	469817.48	3818655.56	2.58E-05	1.08E-04	9.75E-06	2.15E-05	7.96E-05	7.00E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.30E-06	5.03E-07
3639	469826.35	3818652.05	2.61E-05	1.10E-04	9.87E-06	2.17E-05	8.05E-05	7.08E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.38E-06	5.09E-07
3640	469835.21	3818648.54	2.64E-05	1.11E-04	9.97E-06	2.20E-05	8.14E-05	7.16E-06	2.49E-06	1.43E-05	1.70E-06	2.26E-06	7.46E-06	5.15E-07
3641	469844.07	3818645.03	2.66E-05	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
3642	469852.94	3818641.52	2.69E-05	1.13E-04	1.02E-05	2.24E-05	8.30E-05	7.30E-06	2.54E-06	1.45E-05	1.73E-06	2.31E-06	7.61E-06	5.25E-07
3643	469861.8	3818638.01	2.72E-05	1.14E-04	1.03E-05	2.26E-05	8.38E-05	7.37E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.69E-06	5.30E-07
3644	469870.66	3818634.5	2.74E-05	1.15E-04	1.04E-05	2.28E-05	8.46E-05	7.44E-06	2.59E-06	1.48E-05	1.77E-06	2.35E-06	7.76E-06	5.35E-07
3645	469879.53	3818630.99	2.76E-05	1.16E-04	1.05E-05	2.30E-05	8.53E-05	7.50E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.82E-06	5.39E-07
3646	469888.39	3818627.48	2.79E-05	1.17E-04	1.05E-05	2.32E-05	8.60E-05	7.56E-06	2.63E-06	1.51E-05	1.80E-06	2.39E-06	7.89E-06	5.44E-07
3647	469897.25	3818623.97	2.81E-05	1.18E-04	1.06E-05	2.34E-05	8.66E-05	7.62E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.95E-06	5.48E-07
3648	469906.12	3818620.46	2.83E-05	1.19E-04	1.07E-05	2.36E-05	8.73E-05	7.68E-06	2.67E-06	1.53E-05	1.83E-06	2.43E-06	8.01E-06	5.52E-07
3649	469914.98	3818616.95	2.85E-05	1.20E-04	1.08E-05	2.38E-05	8.80E-05	7.74E-06	2.69E-06	1.54E-05	1.84E-06	2.45E-06	8.07E-06	5.56E-07
3650	469959.3	3818599.4	2.94E-05	1.23E-04	1.11E-05	2.45E-05	9.07E-05	7.98E-06	2.78E-06	1.59E-05	1.90E-06	2.52E-06	8.32E-06	5.73E-07

3651	469968.16	3818595.89	2.96E-05	1.24E-04	1.12E-05	2.46E-05	9.13E-05	8.03E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.37E-06	5.77E-07
3652	469977.02	3818592.38	2.98E-05	1.25E-04	1.13E-05	2.48E-05	9.19E-05	8.09E-06	2.81E-06	1.61E-05	1.92E-06	2.56E-06	8.43E-06	5.81E-07
3653	469985.88	3818588.86	3.00E-05	1.26E-04	1.13E-05	2.50E-05	9.25E-05	8.14E-06	2.83E-06	1.62E-05	1.93E-06	2.57E-06	8.49E-06	5.85E-07
3654	469994.75	3818585.35	3.02E-05	1.27E-04	1.14E-05	2.51E-05	9.31E-05	8.19E-06	2.85E-06	1.63E-05	1.95E-06	2.59E-06	8.54E-06	5.89E-07
3655	470003.61	3818581.84	3.03E-05	1.27E-04	1.15E-05	2.53E-05	9.36E-05	8.24E-06	2.86E-06	1.64E-05	1.96E-06	2.60E-06	8.59E-06	5.92E-07
3656	470012.47	3818578.33	3.05E-05	1.28E-04	1.15E-05	2.54E-05	9.42E-05	8.28E-06	2.88E-06	1.65E-05	1.97E-06	2.62E-06	8.64E-06	5.96E-07
3657	470021.34	3818574.82	3.07E-05	1.29E-04	1.16E-05	2.56E-05	9.47E-05	8.33E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.69E-06	5.99E-07
3658	470030.2	3818571.31	3.08E-05	1.30E-04	1.17E-05	2.57E-05	9.52E-05	8.37E-06	2.91E-06	1.67E-05	1.99E-06	2.65E-06	8.73E-06	6.02E-07
3659	470039.06	3818567.8	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.56E-05	8.41E-06	2.93E-06	1.67E-05	2.00E-06	2.66E-06	8.77E-06	6.04E-07
3660	470047.93	3818564.29	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.59E-05	8.44E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.80E-06	6.07E-07
3661	470056.79	3818560.78	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.62E-05	8.46E-06	2.94E-06	1.69E-05	2.01E-06	2.68E-06	8.83E-06	6.08E-07
3662	470065.65	3818557.27	3.13E-05	1.31E-04	1.18E-05	2.60E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.68E-06	8.85E-06	6.10E-07
3663	470074.52	3818553.76	3.13E-05	1.32E-04	1.18E-05	2.61E-05	9.67E-05	8.51E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.87E-06	6.11E-07
3664	470083.38	3818550.25	3.14E-05	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.52E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
3665	470092.24	3818546.74	3.14E-05	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.52E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
3666	470101.11	3818543.23	3.13E-05	1.32E-04	1.19E-05	2.61E-05	9.67E-05	8.51E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.87E-06	6.11E-07
3667	470109.97	3818539.72	3.13E-05	1.31E-04	1.18E-05	2.60E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.68E-06	8.85E-06	6.10E-07
3668	469408.7	3819241.42	9.36E-06	3.93E-05	3.54E-06	7.79E-06	2.89E-05	2.54E-06	8.84E-07	5.06E-06	6.04E-07	8.03E-07	2.65E-06	1.83E-07
3669	469408.51	3819251.07	9.50E-06	3.99E-05	3.59E-06	7.91E-06	2.93E-05	2.58E-06	8.97E-07	5.14E-06	6.13E-07	8.16E-07	2.69E-06	1.85E-07
3670	469408.32	3819260.72	9.64E-06	4.05E-05	3.65E-06	8.03E-06	2.97E-05	2.62E-06	9.10E-07	5.21E-06	6.22E-07	8.28E-07	2.73E-06	1.88E-07
3671	469408.12	3819270.37	9.78E-06	4.11E-05	3.70E-06	8.15E-06	3.02E-05	2.66E-06	9.24E-07	5.29E-06	6.31E-07	8.40E-07	2.77E-06	1.91E-07
3672	469407.93	3819280.02	9.93E-06	4.17E-05	3.76E-06	8.27E-06	3.07E-05	2.70E-06	9.38E-07	5.37E-06	6.41E-07	8.53E-07	2.81E-06	1.94E-07
3673	469407.74	3819289.66	1.01E-05	4.24E-05	3.82E-06	8.41E-06	3.12E-05	2.74E-06	9.53E-07	5.46E-06	6.51E-07	8.67E-07	2.86E-06	1.97E-07
3674	469407.54	3819299.31	1.03E-05	4.31E-05	3.88E-06	8.55E-06	3.17E-05	2.79E-06	9.69E-07	5.55E-06	6.62E-07	8.81E-07	2.91E-06	2.00E-07
3675	469407.35	3819308.96	1.04E-05	4.39E-05	3.95E-06	8.70E-06	3.22E-05	2.84E-06	9.86E-07	5.65E-06	6.74E-07	8.97E-07	2.96E-06	2.04E-07
3676	469407.16	3819318.61	1.06E-05	4.46E-05	4.02E-06	8.86E-06	3.28E-05	2.89E-06	1.00E-06	5.75E-06	6.86E-07	9.13E-07	3.01E-06	2.07E-07
3677	469406.97	3819328.26	1.08E-05	4.55E-05	4.10E-06	9.02E-06	3.34E-05	2.94E-06	1.02E-06	5.86E-06	6.99E-07	9.30E-07	3.07E-06	2.11E-07
3678	469406.77	3819337.91	1.10E-05	4.64E-05	4.18E-06	9.20E-06	3.41E-05	3.00E-06	1.04E-06	5.97E-06	7.12E-07	9.48E-07	3.13E-06	2.15E-07
3679	469406.58	3819347.55	1.13E-05	4.73E-05	4.26E-06	9.38E-06	3.47E-05	3.06E-06	1.06E-06	6.09E-06	7.26E-07	9.66E-07	3.19E-06	2.20E-07
3680	469406.39	3819357.2	1.15E-05	4.83E-05	4.35E-06	9.58E-06	3.55E-05	3.12E-06	1.09E-06	6.22E-06	7.42E-07	9.88E-07	3.26E-06	2.25E-07
3681	469406.19	3819366.85	1.18E-05	4.94E-05	4.45E-06	9.80E-06	3.63E-05	3.19E-06	1.11E-06	6.36E-06	7.59E-07	1.01E-06	3.33E-06	2.30E-07
3682	469406	3819376.5	1.20E-05	5.05E-05	4.55E-06	1.00E-05	3.71E-05	3.27E-06	1.14E-06	6.50E-06	7.76E-07	1.03E-06	3.41E-06	2.35E-07
3683	469405.81	3819386.15	1.23E-05	5.16E-05	4.65E-06	1.02E-05	3.79E-05	3.34E-06	1.16E-06	6.65E-06	7.93E-07	1.06E-06	3.48E-06	2.40E-07
3684	469405.61	3819395.79	1.26E-05	5.28E-05	4.75E-06	1.05E-05	3.88E-05	3.41E-06	1.19E-06	6.79E-06	8.10E-07	1.08E-06	3.56E-06	2.45E-07
3685	469405.42	3819405.44	1.28E-05	5.40E-05	4.86E-06	1.07E-05	3.97E-05	3.49E-06	1.21E-06	6.95E-06	8.29E-07	1.10E-06	3.64E-06	2.51E-07
3686	469405.23	3819415.09	1.31E-05	5.52E-05	4.97E-06	1.10E-05	4.06E-05	3.57E-06	1.24E-06	7.11E-06	8.48E-07	1.13E-06	3.72E-06	2.57E-07
3687	469405.03	3819424.74	1.35E-05	5.65E-05	5.09E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.27E-06	8.68E-07	1.16E-06	3.81E-06	2.63E-07
3688	469404.84	3819434.39	1.38E-05	5.79E-05	5.21E-06	1.15E-05	4.25E-05	3.74E-06	1.30E-06	7.45E-06	8.89E-07	1.18E-06	3.90E-06	2.69E-07
3689	469375.13	3819114.99	7.46E-06	3.13E-05	2.82E-06	6.21E-06	2.30E-05	2.02E-06	7.04E-07	4.03E-06	4.81E-07	6.40E-07	2.11E-06	1.45E-07
3690	469378.97	3819106.2	7.53E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.11E-07	4.07E-06	4.86E-07	6.47E-07	2.13E-06	1.47E-07
3691	469382.8	3819097.4	7.62E-06	3.20E-05	2.88E-06	6.35E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.92E-07	6.55E-07	2.16E-06	1.49E-07
3692	469386.64	3819088.61	7.73E-06	3.24E-05	2.92E-06	6.44E-06	2.38E-05	2.10E-06	7.30E-07	4.18E-06	4.98E-07	6.63E-07	2.19E-06	1.51E-07

3693	469390.47	3819079.81	7.84E-06	3.29E-05	2.96E-06	6.53E-06	2.42E-05	2.13E-06	7.40E-07	4.24E-06	5.05E-07	6.73E-07	2.22E-06	1.53E-07
3694	469394.31	3819071.02	7.94E-06	3.34E-05	3.00E-06	6.62E-06	2.45E-05	2.16E-06	7.50E-07	4.29E-06	5.12E-07	6.82E-07	2.25E-06	1.55E-07
3695	469398.14	3819062.22	8.05E-06	3.38E-05	3.04E-06	6.70E-06	2.48E-05	2.18E-06	7.60E-07	4.35E-06	5.19E-07	6.91E-07	2.28E-06	1.57E-07
3696	469401.98	3819053.43	8.17E-06	3.43E-05	3.09E-06	6.80E-06	2.52E-05	2.22E-06	7.71E-07	4.42E-06	5.27E-07	7.01E-07	2.31E-06	1.59E-07
3697	469405.81	3819044.63	8.30E-06	3.48E-05	3.14E-06	6.91E-06	2.56E-05	2.25E-06	7.84E-07	4.49E-06	5.35E-07	7.12E-07	2.35E-06	1.62E-07
3698	469409.65	3819035.84	8.45E-06	3.55E-05	3.20E-06	7.04E-06	2.61E-05	2.29E-06	7.98E-07	4.57E-06	5.45E-07	7.26E-07	2.39E-06	1.65E-07
3699	469413.48	3819027.05	8.62E-06	3.62E-05	3.26E-06	7.18E-06	2.66E-05	2.34E-06	8.14E-07	4.66E-06	5.56E-07	7.40E-07	2.44E-06	1.68E-07
3700	469417.32	3819018.25	8.79E-06	3.69E-05	3.33E-06	7.32E-06	2.71E-05	2.39E-06	8.30E-07	4.75E-06	5.67E-07	7.55E-07	2.49E-06	1.72E-07
3701	469421.16	3819009.46	8.97E-06	3.77E-05	3.39E-06	7.47E-06	2.77E-05	2.44E-06	8.47E-07	4.85E-06	5.79E-07	7.70E-07	2.54E-06	1.75E-07
3702	469424.99	3819000.66	9.16E-06	3.85E-05	3.46E-06	7.63E-06	2.83E-05	2.49E-06	8.65E-07	4.95E-06	5.91E-07	7.86E-07	2.59E-06	1.79E-07
3703	469428.83	3818991.87	9.35E-06	3.93E-05	3.54E-06	7.79E-06	2.89E-05	2.54E-06	8.83E-07	5.06E-06	6.03E-07	8.03E-07	2.65E-06	1.82E-07
3704	469432.66	3818983.07	9.54E-06	4.01E-05	3.61E-06	7.95E-06	2.95E-05	2.59E-06	9.01E-07	5.16E-06	6.16E-07	8.19E-07	2.70E-06	1.86E-07
3705	469436.5	3818974.28	9.73E-06	4.09E-05	3.68E-06	8.11E-06	3.00E-05	2.64E-06	9.19E-07	5.26E-06	6.28E-07	8.35E-07	2.75E-06	1.90E-07
3706	469440.33	3818965.48	9.92E-06	4.17E-05	3.75E-06	8.26E-06	3.06E-05	2.69E-06	9.37E-07	5.36E-06	6.40E-07	8.52E-07	2.81E-06	1.94E-07
3707	469444.17	3818956.69	1.01E-05	4.25E-05	3.83E-06	8.43E-06	3.12E-05	2.75E-06	9.55E-07	5.47E-06	6.53E-07	8.69E-07	2.86E-06	1.97E-07
3708	469448	3818947.89	1.03E-05	4.34E-05	3.91E-06	8.60E-06	3.19E-05	2.80E-06	9.75E-07	5.58E-06	6.66E-07	8.87E-07	2.92E-06	2.02E-07
3709	469451.84	3818939.1	1.05E-05	4.43E-05	3.99E-06	8.78E-06	3.25E-05	2.86E-06	9.95E-07	5.70E-06	6.80E-07	9.05E-07	2.98E-06	2.06E-07
3710	469455.67	3818930.31	1.07E-05	4.51E-05	4.06E-06	8.95E-06	3.32E-05	2.92E-06	1.01E-06	5.81E-06	6.93E-07	9.23E-07	3.04E-06	2.10E-07
3711	469459.51	3818921.51	1.10E-05	4.60E-05	4.14E-06	9.12E-06	3.38E-05	2.97E-06	1.03E-06	5.92E-06	7.07E-07	9.40E-07	3.10E-06	2.14E-07
3712	469463.35	3818912.72	1.12E-05	4.68E-05	4.22E-06	9.29E-06	3.44E-05	3.03E-06	1.05E-06	6.03E-06	7.20E-07	9.58E-07	3.16E-06	2.18E-07
3713	469467.18	3818903.92	1.14E-05	4.77E-05	4.30E-06	9.46E-06	3.50E-05	3.08E-06	1.07E-06	6.14E-06	7.33E-07	9.75E-07	3.21E-06	2.22E-07
3714	469471.02	3818895.13	1.16E-05	4.85E-05	4.37E-06	9.62E-06	3.57E-05	3.14E-06	1.09E-06	6.25E-06	7.45E-07	9.92E-07	3.27E-06	2.25E-07
3715	469474.85	3818886.33	1.17E-05	4.93E-05	4.44E-06	9.78E-06	3.62E-05	3.19E-06	1.11E-06	6.35E-06	7.57E-07	1.01E-06	3.32E-06	2.29E-07
3716	469478.69	3818877.54	1.19E-05	5.01E-05	4.51E-06	9.93E-06	3.68E-05	3.24E-06	1.13E-06	6.45E-06	7.69E-07	1.02E-06	3.38E-06	2.33E-07
3717	469482.52	3818868.74	1.21E-05	5.08E-05	4.58E-06	1.01E-05	3.73E-05	3.29E-06	1.14E-06	6.54E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
3718	469547.72	3818719.24	1.43E-05	5.99E-05	5.40E-06	1.19E-05	4.40E-05	3.87E-06	1.35E-06	7.71E-06	9.20E-07	1.22E-06	4.04E-06	2.78E-07
3719	469551.56	3818710.44	1.44E-05	6.03E-05	5.43E-06	1.20E-05	4.43E-05	3.90E-06	1.36E-06	7.76E-06	9.26E-07	1.23E-06	4.06E-06	2.80E-07
3720	469555.39	3818701.65	1.44E-05	6.06E-05	5.46E-06	1.20E-05	4.46E-05	3.92E-06	1.36E-06	7.81E-06	9.31E-07	1.24E-06	4.09E-06	2.82E-07
3721	469559.23	3818692.85	1.45E-05	6.10E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.85E-06	9.37E-07	1.25E-06	4.11E-06	2.83E-07
3722	469563.07	3818684.06	1.46E-05	6.13E-05	5.52E-06	1.22E-05	4.50E-05	3.96E-06	1.38E-06	7.89E-06	9.41E-07	1.25E-06	4.13E-06	2.85E-07
3723	469575.82	3818671.73	1.49E-05	6.27E-05	5.65E-06	1.24E-05	4.61E-05	4.06E-06	1.41E-06	8.08E-06	9.64E-07	1.28E-06	4.23E-06	2.92E-07
3724	469584.74	3818668.2	1.52E-05	6.40E-05	5.77E-06	1.27E-05	4.70E-05	4.14E-06	1.44E-06	8.24E-06	9.83E-07	1.31E-06	4.32E-06	2.97E-07
3725	469593.66	3818664.66	1.55E-05	6.53E-05	5.88E-06	1.30E-05	4.80E-05	4.22E-06	1.47E-06	8.41E-06	1.00E-06	1.33E-06	4.40E-06	3.03E-07
3726	469602.58	3818661.13	1.59E-05	6.66E-05	6.00E-06	1.32E-05	4.89E-05	4.31E-06	1.50E-06	8.57E-06	1.02E-06	1.36E-06	4.49E-06	3.09E-07
3727	469611.5	3818657.6	1.62E-05	6.79E-05	6.12E-06	1.35E-05	4.99E-05	4.39E-06	1.53E-06	8.74E-06	1.04E-06	1.39E-06	4.58E-06	3.16E-07
3728	469620.42	3818654.07	1.65E-05	6.92E-05	6.23E-06	1.37E-05	5.09E-05	4.47E-06	1.56E-06	8.91E-06	1.06E-06	1.41E-06	4.67E-06	3.22E-07
3729	469629.34	3818650.53	1.68E-05	7.05E-05	6.35E-06	1.40E-05	5.18E-05	4.56E-06	1.58E-06	9.07E-06	1.08E-06	1.44E-06	4.75E-06	3.28E-07
3730	469638.26	3818647	1.71E-05	7.17E-05	6.46E-06	1.42E-05	5.27E-05	4.64E-06	1.61E-06	9.23E-06	1.10E-06	1.47E-06	4.84E-06	3.33E-07
3731	469647.18	3818643.47	1.74E-05	7.30E-05	6.57E-06	1.45E-05	5.36E-05	4.72E-06	1.64E-06	9.39E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
3732	469656.1	3818639.93	1.77E-05	7.41E-05	6.68E-06	1.47E-05	5.45E-05	4.79E-06	1.67E-06	9.54E-06	1.14E-06	1.52E-06	5.00E-06	3.44E-07
3733	469665.02	3818636.4	1.79E-05	7.53E-05	6.78E-06	1.49E-05	5.53E-05	4.87E-06	1.69E-06	9.70E-06	1.16E-06	1.54E-06	5.08E-06	3.50E-07
3734	469673.94	3818632.87	1.82E-05	7.64E-05	6.88E-06	1.52E-05	5.62E-05	4.94E-06	1.72E-06	9.84E-06	1.17E-06	1.56E-06	5.15E-06	3.55E-07

3735	469709.63	3818618.74	1.92E-05	8.08E-05	7.28E-06	1.60E-05	5.94E-05	5.22E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.45E-06	3.75E-07
3736	469718.55	3818615.2	1.95E-05	8.19E-05	7.38E-06	1.62E-05	6.02E-05	5.29E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.52E-06	3.81E-07
3737	469727.47	3818611.67	1.97E-05	8.29E-05	7.46E-06	1.64E-05	6.09E-05	5.36E-06	1.86E-06	1.07E-05	1.27E-06	1.69E-06	5.59E-06	3.85E-07
3738	469780.99	3818590.47	2.11E-05	8.87E-05	7.99E-06	1.76E-05	6.52E-05	5.73E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.98E-06	4.12E-07
3739	469789.91	3818586.94	2.13E-05	8.95E-05	8.06E-06	1.78E-05	6.58E-05	5.79E-06	2.01E-06	1.15E-05	1.38E-06	1.83E-06	6.04E-06	4.16E-07
3740	469798.83	3818583.41	2.15E-05	9.04E-05	8.14E-06	1.79E-05	6.64E-05	5.84E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.09E-06	4.20E-07
3741	469807.75	3818579.87	2.17E-05	9.13E-05	8.22E-06	1.81E-05	6.71E-05	5.90E-06	2.05E-06	1.18E-05	1.40E-06	1.87E-06	6.15E-06	4.24E-07
3742	469816.67	3818576.34	2.19E-05	9.21E-05	8.30E-06	1.83E-05	6.77E-05	5.95E-06	2.07E-06	1.19E-05	1.41E-06	1.88E-06	6.21E-06	4.28E-07
3743	469825.59	3818572.81	2.21E-05	9.29E-05	8.37E-06	1.84E-05	6.83E-05	6.01E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.26E-06	4.32E-07
3744	469834.51	3818569.27	2.23E-05	9.37E-05	8.44E-06	1.86E-05	6.88E-05	6.06E-06	2.11E-06	1.21E-05	1.44E-06	1.91E-06	6.31E-06	4.35E-07
3745	469843.43	3818565.74	2.25E-05	9.44E-05	8.50E-06	1.87E-05	6.94E-05	6.10E-06	2.12E-06	1.22E-05	1.45E-06	1.93E-06	6.36E-06	4.39E-07
3746	469852.35	3818562.21	2.27E-05	9.52E-05	8.57E-06	1.89E-05	6.99E-05	6.15E-06	2.14E-06	1.22E-05	1.46E-06	1.95E-06	6.41E-06	4.42E-07
3747	469861.27	3818558.67	2.28E-05	9.58E-05	8.63E-06	1.90E-05	7.04E-05	6.20E-06	2.16E-06	1.23E-05	1.47E-06	1.96E-06	6.46E-06	4.45E-07
3748	469870.19	3818555.14	2.30E-05	9.65E-05	8.69E-06	1.91E-05	7.09E-05	6.24E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.50E-06	4.48E-07
3749	469879.11	3818551.61	2.31E-05	9.72E-05	8.75E-06	1.93E-05	7.14E-05	6.28E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.55E-06	4.52E-07
3750	469888.03	3818548.08	2.33E-05	9.78E-05	8.81E-06	1.94E-05	7.19E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.55E-07
3751	469896.95	3818544.54	2.34E-05	9.84E-05	8.86E-06	1.95E-05	7.23E-05	6.36E-06	2.21E-06	1.27E-05	1.51E-06	2.01E-06	6.63E-06	4.57E-07
3752	469905.87	3818541.01	2.36E-05	9.90E-05	8.91E-06	1.96E-05	7.27E-05	6.40E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.67E-06	4.60E-07
3753	469914.79	3818537.48	2.37E-05	9.94E-05	8.95E-06	1.97E-05	7.31E-05	6.43E-06	2.24E-06	1.28E-05	1.53E-06	2.03E-06	6.70E-06	4.62E-07
3754	469959.4	3818519.81	2.43E-05	1.02E-04	9.20E-06	2.03E-05	7.51E-05	6.61E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.89E-06	4.75E-07
3755	469968.32	3818516.28	2.45E-05	1.03E-04	9.25E-06	2.04E-05	7.55E-05	6.64E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.93E-06	4.78E-07
3756	469977.24	3818512.75	2.46E-05	1.03E-04	9.31E-06	2.05E-05	7.60E-05	6.68E-06	2.32E-06	1.33E-05	1.59E-06	2.11E-06	6.97E-06	4.80E-07
3757	469986.16	3818509.21	2.48E-05	1.04E-04	9.37E-06	2.06E-05	7.65E-05	6.73E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.01E-06	4.84E-07
3758	469995.08	3818505.68	2.49E-05	1.05E-04	9.43E-06	2.08E-05	7.69E-05	6.77E-06	2.35E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.86E-07
3759	470004	3818502.15	2.50E-05	1.05E-04	9.47E-06	2.09E-05	7.73E-05	6.80E-06	2.36E-06	1.35E-05	1.62E-06	2.15E-06	7.09E-06	4.89E-07
3760	470012.92	3818498.61	2.52E-05	1.06E-04	9.51E-06	2.09E-05	7.76E-05	6.83E-06	2.37E-06	1.36E-05	1.62E-06	2.16E-06	7.12E-06	4.91E-07
3761	470021.84	3818495.08	2.53E-05	1.06E-04	9.55E-06	2.10E-05	7.79E-05	6.86E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.15E-06	4.93E-07
3762	470030.76	3818491.55	2.54E-05	1.07E-04	9.60E-06	2.11E-05	7.83E-05	6.89E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.18E-06	4.95E-07
3763	470039.68	3818488.01	2.55E-05	1.07E-04	9.63E-06	2.12E-05	7.86E-05	6.91E-06	2.41E-06	1.38E-05	1.64E-06	2.19E-06	7.21E-06	4.97E-07
3764	470048.6	3818484.48	2.56E-05	1.07E-04	9.67E-06	2.13E-05	7.89E-05	6.94E-06	2.41E-06	1.38E-05	1.65E-06	2.20E-06	7.24E-06	4.99E-07
3765	470057.52	3818480.95	2.57E-05	1.08E-04	9.71E-06	2.14E-05	7.92E-05	6.97E-06	2.42E-06	1.39E-05	1.66E-06	2.20E-06	7.27E-06	5.01E-07
3766	470066.44	3818477.42	2.58E-05	1.08E-04	9.75E-06	2.15E-05	7.96E-05	7.00E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.30E-06	5.03E-07
3767	470075.36	3818473.88	2.59E-05	1.09E-04	9.78E-06	2.15E-05	7.98E-05	7.02E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.32E-06	5.05E-07
3768	470084.28	3818470.35	2.59E-05	1.09E-04	9.79E-06	2.16E-05	7.99E-05	7.03E-06	2.45E-06	1.40E-05	1.67E-06	2.22E-06	7.33E-06	5.05E-07
3769	470093.2	3818466.82	2.59E-05	1.09E-04	9.80E-06	2.16E-05	7.99E-05	7.03E-06	2.45E-06	1.40E-05	1.67E-06	2.22E-06	7.33E-06	5.05E-07
3770	470102.12	3818463.28	2.59E-05	1.09E-04	9.79E-06	2.16E-05	7.99E-05	7.03E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.33E-06	5.05E-07
3771	469328.72	3819239.82	7.62E-06	3.20E-05	2.88E-06	6.35E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.91E-07	6.54E-07	2.16E-06	1.49E-07
3772	469328.53	3819249.47	7.72E-06	3.24E-05	2.92E-06	6.43E-06	2.38E-05	2.09E-06	7.29E-07	4.17E-06	4.98E-07	6.62E-07	2.18E-06	1.51E-07
3773	469328.33	3819259.12	7.82E-06	3.28E-05	2.96E-06	6.52E-06	2.41E-05	2.12E-06	7.39E-07	4.23E-06	5.05E-07	6.71E-07	2.21E-06	1.53E-07
3774	469328.14	3819268.77	7.93E-06	3.33E-05	3.00E-06	6.61E-06	2.45E-05	2.15E-06	7.49E-07	4.29E-06	5.12E-07	6.81E-07	2.25E-06	1.55E-07
3775	469327.95	3819278.41	8.05E-06	3.38E-05	3.05E-06	6.71E-06	2.48E-05	2.19E-06	7.60E-07	4.35E-06	5.19E-07	6.91E-07	2.28E-06	1.57E-07
3776	469327.75	3819288.06	8.18E-06	3.43E-05	3.09E-06	6.81E-06	2.52E-05	2.22E-06	7.72E-07	4.42E-06	5.27E-07	7.02E-07	2.31E-06	1.60E-07

3777	469327.56	3819297.71	8.32E-06	3.49E-05	3.15E-06	6.93E-06	2.57E-05	2.26E-06	7.85E-07	4.50E-06	5.36E-07	7.14E-07	2.35E-06	1.62E-07
3778	469327.37	3819307.36	8.46E-06	3.55E-05	3.20E-06	7.05E-06	2.61E-05	2.30E-06	7.99E-07	4.57E-06	5.46E-07	7.26E-07	2.40E-06	1.65E-07
3779	469327.17	3819317.01	8.61E-06	3.62E-05	3.26E-06	7.17E-06	2.66E-05	2.34E-06	8.13E-07	4.66E-06	5.55E-07	7.39E-07	2.44E-06	1.68E-07
3780	469326.98	3819326.66	8.76E-06	3.68E-05	3.31E-06	7.30E-06	2.70E-05	2.38E-06	8.27E-07	4.74E-06	5.65E-07	7.52E-07	2.48E-06	1.71E-07
3781	469326.79	3819336.3	8.91E-06	3.74E-05	3.37E-06	7.42E-06	2.75E-05	2.42E-06	8.42E-07	4.82E-06	5.75E-07	7.65E-07	2.52E-06	1.74E-07
3782	469326.59	3819345.95	9.07E-06	3.81E-05	3.43E-06	7.56E-06	2.80E-05	2.46E-06	8.57E-07	4.90E-06	5.85E-07	7.79E-07	2.57E-06	1.77E-07
3783	469326.4	3819355.6	9.24E-06	3.88E-05	3.49E-06	7.69E-06	2.85E-05	2.51E-06	8.72E-07	4.99E-06	5.96E-07	7.93E-07	2.61E-06	1.80E-07
3784	469326.21	3819365.25	9.41E-06	3.95E-05	3.56E-06	7.84E-06	2.90E-05	2.55E-06	8.89E-07	5.09E-06	6.07E-07	8.08E-07	2.66E-06	1.84E-07
3785	469326.02	3819374.9	9.58E-06	4.02E-05	3.62E-06	7.98E-06	2.96E-05	2.60E-06	9.05E-07	5.18E-06	6.18E-07	8.23E-07	2.71E-06	1.87E-07
3786	469325.82	3819384.54	9.77E-06	4.10E-05	3.70E-06	8.14E-06	3.01E-05	2.65E-06	9.23E-07	5.28E-06	6.30E-07	8.39E-07	2.77E-06	1.91E-07
3787	469325.63	3819394.19	9.96E-06	4.18E-05	3.77E-06	8.30E-06	3.07E-05	2.70E-06	9.41E-07	5.39E-06	6.43E-07	8.55E-07	2.82E-06	1.94E-07
3788	469325.44	3819403.84	1.02E-05	4.27E-05	3.84E-06	8.46E-06	3.14E-05	2.76E-06	9.59E-07	5.49E-06	6.55E-07	8.72E-07	2.88E-06	1.98E-07
3789	469325.24	3819413.49	1.04E-05	4.35E-05	3.92E-06	8.64E-06	3.20E-05	2.81E-06	9.79E-07	5.60E-06	6.69E-07	8.90E-07	2.93E-06	2.02E-07
3790	469325.05	3819423.14	1.06E-05	4.44E-05	4.00E-06	8.82E-06	3.27E-05	2.87E-06	9.99E-07	5.72E-06	6.83E-07	9.09E-07	3.00E-06	2.07E-07
3791	469324.86	3819432.79	1.08E-05	4.54E-05	4.09E-06	9.00E-06	3.34E-05	2.93E-06	1.02E-06	5.84E-06	6.97E-07	9.28E-07	3.06E-06	2.11E-07
3792	469295.39	3819112.83	6.01E-06	2.53E-05	2.27E-06	5.01E-06	1.86E-05	1.63E-06	5.68E-07	3.25E-06	3.88E-07	5.16E-07	1.70E-06	1.17E-07
3793	469299.25	3819103.99	6.04E-06	2.54E-05	2.29E-06	5.03E-06	1.86E-05	1.64E-06	5.71E-07	3.27E-06	3.90E-07	5.19E-07	1.71E-06	1.18E-07
3794	469303.1	3819095.15	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.66E-06	5.76E-07	3.30E-06	3.93E-07	5.24E-07	1.73E-06	1.19E-07
3795	469306.96	3819086.31	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.82E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
3796	469310.81	3819077.47	6.22E-06	2.61E-05	2.35E-06	5.19E-06	1.92E-05	1.69E-06	5.88E-07	3.37E-06	4.02E-07	5.34E-07	1.76E-06	1.21E-07
3797	469314.67	3819068.63	6.30E-06	2.65E-05	2.38E-06	5.25E-06	1.94E-05	1.71E-06	5.95E-07	3.41E-06	4.06E-07	5.41E-07	1.78E-06	1.23E-07
3798	469318.52	3819059.79	6.38E-06	2.68E-05	2.41E-06	5.32E-06	1.97E-05	1.73E-06	6.03E-07	3.45E-06	4.12E-07	5.48E-07	1.81E-06	1.25E-07
3799	469322.38	3819050.95	6.48E-06	2.72E-05	2.45E-06	5.39E-06	2.00E-05	1.76E-06	6.11E-07	3.50E-06	4.18E-07	5.56E-07	1.83E-06	1.26E-07
3800	469326.24	3819042.1	6.57E-06	2.76E-05	2.49E-06	5.47E-06	2.03E-05	1.78E-06	6.21E-07	3.55E-06	4.24E-07	5.64E-07	1.86E-06	1.28E-07
3801	469330.09	3819033.26	6.68E-06	2.80E-05	2.53E-06	5.56E-06	2.06E-05	1.81E-06	6.31E-07	3.61E-06	4.31E-07	5.73E-07	1.89E-06	1.30E-07
3802	469333.95	3819024.42	6.79E-06	2.85E-05	2.57E-06	5.65E-06	2.09E-05	1.84E-06	6.41E-07	3.67E-06	4.38E-07	5.83E-07	1.92E-06	1.32E-07
3803	469337.8	3819015.58	6.91E-06	2.90E-05	2.61E-06	5.75E-06	2.13E-05	1.88E-06	6.52E-07	3.73E-06	4.46E-07	5.93E-07	1.96E-06	1.35E-07
3804	469341.66	3819006.74	7.01E-06	2.95E-05	2.65E-06	5.84E-06	2.16E-05	1.90E-06	6.62E-07	3.79E-06	4.52E-07	6.02E-07	1.99E-06	1.37E-07
3805	469345.51	3818997.9	7.13E-06	2.99E-05	2.70E-06	5.94E-06	2.20E-05	1.94E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
3806	469349.37	3818989.06	7.25E-06	3.05E-05	2.74E-06	6.04E-06	2.24E-05	1.97E-06	6.85E-07	3.92E-06	4.68E-07	6.23E-07	2.05E-06	1.42E-07
3807	469353.22	3818980.22	7.39E-06	3.11E-05	2.80E-06	6.16E-06	2.28E-05	2.01E-06	6.98E-07	4.00E-06	4.77E-07	6.35E-07	2.09E-06	1.44E-07
3808	469357.08	3818971.38	7.54E-06	3.17E-05	2.85E-06	6.28E-06	2.33E-05	2.05E-06	7.12E-07	4.08E-06	4.87E-07	6.48E-07	2.14E-06	1.47E-07
3809	469360.94	3818962.54	7.70E-06	3.23E-05	2.91E-06	6.41E-06	2.38E-05	2.09E-06	7.27E-07	4.16E-06	4.96E-07	6.61E-07	2.18E-06	1.50E-07
3810	469364.79	3818953.69	7.86E-06	3.30E-05	2.97E-06	6.54E-06	2.42E-05	2.13E-06	7.42E-07	4.25E-06	5.07E-07	6.74E-07	2.22E-06	1.53E-07
3811	469368.65	3818944.85	8.02E-06	3.37E-05	3.03E-06	6.68E-06	2.47E-05	2.18E-06	7.57E-07	4.34E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
3812	469372.5	3818936.01	8.18E-06	3.44E-05	3.09E-06	6.82E-06	2.53E-05	2.22E-06	7.73E-07	4.42E-06	5.28E-07	7.02E-07	2.32E-06	1.60E-07
3813	469376.36	3818927.17	8.35E-06	3.51E-05	3.16E-06	6.96E-06	2.58E-05	2.27E-06	7.89E-07	4.51E-06	5.39E-07	7.17E-07	2.36E-06	1.63E-07
3814	469380.21	3818918.33	8.51E-06	3.57E-05	3.22E-06	7.09E-06	2.63E-05	2.31E-06	8.04E-07	4.60E-06	5.49E-07	7.31E-07	2.41E-06	1.66E-07
3815	469384.07	3818909.49	8.67E-06	3.64E-05	3.28E-06	7.22E-06	2.68E-05	2.35E-06	8.19E-07	4.69E-06	5.59E-07	7.45E-07	2.46E-06	1.69E-07
3816	469387.93	3818900.65	8.83E-06	3.71E-05	3.34E-06	7.36E-06	2.73E-05	2.40E-06	8.34E-07	4.77E-06	5.70E-07	7.58E-07	2.50E-06	1.72E-07
3817	469391.78	3818891.81	9.00E-06	3.78E-05	3.40E-06	7.50E-06	2.78E-05	2.44E-06	8.50E-07	4.87E-06	5.81E-07	7.73E-07	2.55E-06	1.76E-07
3818	469395.64	3818882.97	9.17E-06	3.85E-05	3.47E-06	7.64E-06	2.83E-05	2.49E-06	8.66E-07	4.96E-06	5.91E-07	7.87E-07	2.60E-06	1.79E-07

3819	469399.49	3818874.13	9.33E-06	3.92E-05	3.53E-06	7.77E-06	2.88E-05	2.53E-06	8.81E-07	5.05E-06	6.02E-07	8.01E-07	2.64E-06	1.82E-07
3820	469403.35	3818865.28	9.50E-06	3.99E-05	3.59E-06	7.91E-06	2.93E-05	2.58E-06	8.97E-07	5.13E-06	6.13E-07	8.15E-07	2.69E-06	1.85E-07
3821	469407.2	3818856.44	9.65E-06	4.05E-05	3.65E-06	8.04E-06	2.98E-05	2.62E-06	9.11E-07	5.22E-06	6.22E-07	8.28E-07	2.73E-06	1.88E-07
3822	469411.06	3818847.6	9.79E-06	4.11E-05	3.70E-06	8.16E-06	3.02E-05	2.66E-06	9.25E-07	5.29E-06	6.32E-07	8.41E-07	2.77E-06	1.91E-07
3823	469414.91	3818838.76	9.94E-06	4.17E-05	3.76E-06	8.28E-06	3.07E-05	2.70E-06	9.39E-07	5.37E-06	6.41E-07	8.53E-07	2.81E-06	1.94E-07
3824	469418.77	3818829.92	1.01E-05	4.23E-05	3.81E-06	8.39E-06	3.11E-05	2.74E-06	9.52E-07	5.45E-06	6.50E-07	8.65E-07	2.85E-06	1.97E-07
3825	469422.63	3818821.08	1.02E-05	4.29E-05	3.86E-06	8.51E-06	3.15E-05	2.77E-06	9.65E-07	5.52E-06	6.59E-07	8.77E-07	2.89E-06	1.99E-07
3826	469426.48	3818812.24	1.03E-05	4.35E-05	3.91E-06	8.62E-06	3.19E-05	2.81E-06	9.77E-07	5.59E-06	6.67E-07	8.88E-07	2.93E-06	2.02E-07
3827	469430.34	3818803.4	1.05E-05	4.40E-05	3.96E-06	8.72E-06	3.23E-05	2.84E-06	9.89E-07	5.66E-06	6.75E-07	8.99E-07	2.96E-06	2.04E-07
3828	469434.19	3818794.56	1.06E-05	4.45E-05	4.01E-06	8.82E-06	3.27E-05	2.88E-06	1.00E-06	5.73E-06	6.83E-07	9.09E-07	3.00E-06	2.07E-07
3829	469438.05	3818785.72	1.07E-05	4.50E-05	4.05E-06	8.92E-06	3.31E-05	2.91E-06	1.01E-06	5.79E-06	6.91E-07	9.20E-07	3.03E-06	2.09E-07
3830	469441.9	3818776.88	1.08E-05	4.55E-05	4.10E-06	9.02E-06	3.34E-05	2.94E-06	1.02E-06	5.85E-06	6.98E-07	9.30E-07	3.07E-06	2.11E-07
3831	469445.76	3818768.03	1.09E-05	4.59E-05	4.14E-06	9.11E-06	3.37E-05	2.97E-06	1.03E-06	5.91E-06	7.05E-07	9.39E-07	3.10E-06	2.13E-07
3832	469449.62	3818759.19	1.10E-05	4.64E-05	4.18E-06	9.20E-06	3.41E-05	3.00E-06	1.04E-06	5.97E-06	7.12E-07	9.48E-07	3.13E-06	2.15E-07
3833	469453.47	3818750.35	1.11E-05	4.68E-05	4.21E-06	9.28E-06	3.44E-05	3.02E-06	1.05E-06	6.02E-06	7.18E-07	9.56E-07	3.15E-06	2.17E-07
3834	469457.33	3818741.51	1.12E-05	4.72E-05	4.25E-06	9.35E-06	3.46E-05	3.05E-06	1.06E-06	6.07E-06	7.24E-07	9.64E-07	3.18E-06	2.19E-07
3835	469461.18	3818732.67	1.13E-05	4.75E-05	4.28E-06	9.42E-06	3.49E-05	3.07E-06	1.07E-06	6.12E-06	7.30E-07	9.71E-07	3.20E-06	2.21E-07
3836	469465.04	3818723.83	1.14E-05	4.79E-05	4.31E-06	9.50E-06	3.52E-05	3.09E-06	1.08E-06	6.16E-06	7.35E-07	9.79E-07	3.23E-06	2.22E-07
3837	469468.89	3818714.99	1.15E-05	4.82E-05	4.34E-06	9.56E-06	3.54E-05	3.12E-06	1.08E-06	6.21E-06	7.41E-07	9.86E-07	3.25E-06	2.24E-07
3838	469472.75	3818706.15	1.16E-05	4.85E-05	4.37E-06	9.63E-06	3.57E-05	3.14E-06	1.09E-06	6.25E-06	7.46E-07	9.92E-07	3.27E-06	2.26E-07
3839	469476.61	3818697.31	1.16E-05	4.89E-05	4.40E-06	9.69E-06	3.59E-05	3.16E-06	1.10E-06	6.29E-06	7.51E-07	9.99E-07	3.29E-06	2.27E-07
3840	469480.46	3818688.47	1.17E-05	4.92E-05	4.43E-06	9.76E-06	3.62E-05	3.18E-06	1.11E-06	6.34E-06	7.56E-07	1.01E-06	3.32E-06	2.29E-07
3841	469484.32	3818679.62	1.18E-05	4.95E-05	4.46E-06	9.81E-06	3.64E-05	3.20E-06	1.11E-06	6.37E-06	7.60E-07	1.01E-06	3.33E-06	2.30E-07
3842	469503.59	3818635.42	1.21E-05	5.07E-05	4.57E-06	1.01E-05	3.73E-05	3.28E-06	1.14E-06	6.53E-06	7.79E-07	1.04E-06	3.42E-06	2.36E-07
3843	469507.45	3818626.58	1.21E-05	5.10E-05	4.59E-06	1.01E-05	3.75E-05	3.30E-06	1.15E-06	6.56E-06	7.83E-07	1.04E-06	3.44E-06	2.37E-07
3844	469520.27	3818614.19	1.24E-05	5.22E-05	4.70E-06	1.04E-05	3.83E-05	3.37E-06	1.17E-06	6.72E-06	8.01E-07	1.07E-06	3.52E-06	2.42E-07
3845	469529.24	3818610.63	1.27E-05	5.32E-05	4.79E-06	1.06E-05	3.91E-05	3.44E-06	1.20E-06	6.85E-06	8.17E-07	1.09E-06	3.59E-06	2.47E-07
3846	469538.21	3818607.08	1.29E-05	5.42E-05	4.88E-06	1.08E-05	3.98E-05	3.50E-06	1.22E-06	6.98E-06	8.33E-07	1.11E-06	3.65E-06	2.52E-07
3847	469547.18	3818603.53	1.32E-05	5.52E-05	4.97E-06	1.10E-05	4.06E-05	3.57E-06	1.24E-06	7.11E-06	8.48E-07	1.13E-06	3.72E-06	2.57E-07
3848	469556.14	3818599.98	1.34E-05	5.62E-05	5.07E-06	1.12E-05	4.13E-05	3.64E-06	1.26E-06	7.24E-06	8.64E-07	1.15E-06	3.79E-06	2.61E-07
3849	469565.11	3818596.43	1.36E-05	5.72E-05	5.15E-06	1.14E-05	4.21E-05	3.70E-06	1.29E-06	7.37E-06	8.79E-07	1.17E-06	3.86E-06	2.66E-07
3850	469574.08	3818592.88	1.39E-05	5.83E-05	5.25E-06	1.16E-05	4.28E-05	3.77E-06	1.31E-06	7.50E-06	8.95E-07	1.19E-06	3.93E-06	2.71E-07
3851	469583.05	3818589.32	1.41E-05	5.93E-05	5.34E-06	1.18E-05	4.36E-05	3.83E-06	1.33E-06	7.63E-06	9.11E-07	1.21E-06	4.00E-06	2.76E-07
3852	469592.01	3818585.77	1.44E-05	6.03E-05	5.43E-06	1.20E-05	4.43E-05	3.90E-06	1.36E-06	7.76E-06	9.26E-07	1.23E-06	4.06E-06	2.80E-07
3853	469600.98	3818582.22	1.46E-05	6.12E-05	5.51E-06	1.21E-05	4.50E-05	3.96E-06	1.38E-06	7.88E-06	9.40E-07	1.25E-06	4.13E-06	2.85E-07
3854	469609.95	3818578.67	1.48E-05	6.22E-05	5.60E-06	1.23E-05	4.57E-05	4.02E-06	1.40E-06	8.00E-06	9.55E-07	1.27E-06	4.19E-06	2.89E-07
3855	469618.91	3818575.12	1.50E-05	6.31E-05	5.68E-06	1.25E-05	4.63E-05	4.08E-06	1.42E-06	8.12E-06	9.68E-07	1.29E-06	4.25E-06	2.93E-07
3856	469627.88	3818571.57	1.52E-05	6.40E-05	5.76E-06	1.27E-05	4.70E-05	4.13E-06	1.44E-06	8.23E-06	9.82E-07	1.31E-06	4.31E-06	2.97E-07
3857	469636.85	3818568.01	1.54E-05	6.48E-05	5.83E-06	1.28E-05	4.76E-05	4.19E-06	1.46E-06	8.34E-06	9.95E-07	1.32E-06	4.37E-06	3.01E-07
3858	469645.82	3818564.46	1.56E-05	6.56E-05	5.91E-06	1.30E-05	4.82E-05	4.24E-06	1.47E-06	8.44E-06	1.01E-06	1.34E-06	4.42E-06	3.05E-07
3859	469654.78	3818560.91	1.58E-05	6.63E-05	5.97E-06	1.32E-05	4.88E-05	4.29E-06	1.49E-06	8.54E-06	1.02E-06	1.36E-06	4.47E-06	3.08E-07
3860	469663.75	3818557.36	1.60E-05	6.71E-05	6.04E-06	1.33E-05	4.93E-05	4.34E-06	1.51E-06	8.64E-06	1.03E-06	1.37E-06	4.52E-06	3.12E-07

3861	469672.72	3818553.81	1.62E-05	6.78E-05	6.11E-06	1.35E-05	4.98E-05	4.39E-06	1.53E-06	8.73E-06	1.04E-06	1.39E-06	4.57E-06	3.15E-07
3862	469708.59	3818539.6	1.69E-05	7.08E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
3863	469717.56	3818536.05	1.71E-05	7.17E-05	6.45E-06	1.42E-05	5.27E-05	4.63E-06	1.61E-06	9.22E-06	1.10E-06	1.46E-06	4.83E-06	3.33E-07
3864	469726.52	3818532.5	1.72E-05	7.23E-05	6.51E-06	1.43E-05	5.31E-05	4.68E-06	1.63E-06	9.31E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
3865	469735.49	3818528.95	1.74E-05	7.30E-05	6.58E-06	1.45E-05	5.36E-05	4.72E-06	1.64E-06	9.40E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
3866	469744.46	3818525.39	1.75E-05	7.37E-05	6.64E-06	1.46E-05	5.42E-05	4.76E-06	1.66E-06	9.49E-06	1.13E-06	1.51E-06	4.97E-06	3.42E-07
3867	469753.43	3818521.84	1.77E-05	7.44E-05	6.70E-06	1.48E-05	5.47E-05	4.81E-06	1.67E-06	9.58E-06	1.14E-06	1.52E-06	5.01E-06	3.46E-07
3868	469762.39	3818518.29	1.79E-05	7.51E-05	6.76E-06	1.49E-05	5.51E-05	4.85E-06	1.69E-06	9.66E-06	1.15E-06	1.53E-06	5.06E-06	3.49E-07
3869	469771.36	3818514.74	1.80E-05	7.57E-05	6.82E-06	1.50E-05	5.56E-05	4.89E-06	1.70E-06	9.75E-06	1.16E-06	1.55E-06	5.10E-06	3.52E-07
3870	469780.33	3818511.19	1.82E-05	7.64E-05	6.88E-06	1.51E-05	5.61E-05	4.94E-06	1.72E-06	9.83E-06	1.17E-06	1.56E-06	5.15E-06	3.55E-07
3871	469789.3	3818507.64	1.83E-05	7.70E-05	6.93E-06	1.53E-05	5.66E-05	4.98E-06	1.73E-06	9.91E-06	1.18E-06	1.57E-06	5.19E-06	3.58E-07
3872	469798.26	3818504.08	1.85E-05	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.02E-06	1.75E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.61E-07
3873	469807.23	3818500.53	1.86E-05	7.82E-05	7.04E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.27E-06	3.63E-07
3874	469816.2	3818496.98	1.88E-05	7.88E-05	7.10E-06	1.56E-05	5.79E-05	5.10E-06	1.77E-06	1.02E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
3875	469825.17	3818493.43	1.89E-05	7.95E-05	7.16E-06	1.58E-05	5.84E-05	5.14E-06	1.79E-06	1.02E-05	1.22E-06	1.62E-06	5.36E-06	3.69E-07
3876	469834.13	3818489.88	1.91E-05	8.00E-05	7.20E-06	1.59E-05	5.88E-05	5.17E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.39E-06	3.72E-07
3877	469843.1	3818486.33	1.92E-05	8.05E-05	7.25E-06	1.60E-05	5.92E-05	5.21E-06	1.81E-06	1.04E-05	1.24E-06	1.65E-06	5.43E-06	3.74E-07
3878	469852.07	3818482.78	1.93E-05	8.11E-05	7.30E-06	1.61E-05	5.96E-05	5.24E-06	1.82E-06	1.04E-05	1.24E-06	1.66E-06	5.46E-06	3.77E-07
3879	469861.04	3818479.22	1.94E-05	8.16E-05	7.34E-06	1.62E-05	5.99E-05	5.27E-06	1.83E-06	1.05E-05	1.25E-06	1.67E-06	5.50E-06	3.79E-07
3880	469870	3818475.67	1.95E-05	8.21E-05	7.39E-06	1.63E-05	6.03E-05	5.30E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.53E-06	3.81E-07
3881	469878.97	3818472.12	1.96E-05	8.25E-05	7.43E-06	1.64E-05	6.06E-05	5.33E-06	1.85E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.83E-07
3882	469887.94	3818468.57	1.97E-05	8.28E-05	7.46E-06	1.64E-05	6.09E-05	5.35E-06	1.86E-06	1.07E-05	1.27E-06	1.69E-06	5.58E-06	3.85E-07
3883	469896.9	3818465.02	1.98E-05	8.32E-05	7.49E-06	1.65E-05	6.11E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.61E-06	3.86E-07
3884	469905.87	3818461.47	1.99E-05	8.35E-05	7.52E-06	1.66E-05	6.14E-05	5.40E-06	1.88E-06	1.07E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
3885	469914.84	3818457.91	2.00E-05	8.38E-05	7.55E-06	1.66E-05	6.16E-05	5.42E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.65E-06	3.89E-07
3886	470031.42	3818411.74	2.12E-05	8.92E-05	8.03E-06	1.77E-05	6.56E-05	5.77E-06	2.01E-06	1.15E-05	1.37E-06	1.82E-06	6.01E-06	4.15E-07
3887	470040.38	3818408.19	2.14E-05	8.97E-05	8.08E-06	1.78E-05	6.59E-05	5.80E-06	2.02E-06	1.15E-05	1.38E-06	1.83E-06	6.04E-06	4.17E-07
3888	470049.35	3818404.64	2.15E-05	9.01E-05	8.12E-06	1.79E-05	6.62E-05	5.83E-06	2.03E-06	1.16E-05	1.38E-06	1.84E-06	6.07E-06	4.19E-07
3889	470058.32	3818401.09	2.16E-05	9.06E-05	8.16E-06	1.80E-05	6.65E-05	5.85E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.10E-06	4.21E-07
3890	470067.29	3818397.54	2.17E-05	9.09E-05	8.19E-06	1.80E-05	6.68E-05	5.88E-06	2.04E-06	1.17E-05	1.40E-06	1.86E-06	6.13E-06	4.22E-07
3891	470076.25	3818393.98	2.17E-05	9.12E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.15E-06	4.24E-07
3892	470085.22	3818390.43	2.18E-05	9.14E-05	8.23E-06	1.81E-05	6.72E-05	5.91E-06	2.06E-06	1.18E-05	1.40E-06	1.87E-06	6.16E-06	4.25E-07
3893	470094.19	3818386.88	2.18E-05	9.15E-05	8.24E-06	1.82E-05	6.72E-05	5.92E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.17E-06	4.25E-07
3894	470103.16	3818383.33	2.18E-05	9.15E-05	8.24E-06	1.81E-05	6.72E-05	5.91E-06	2.06E-06	1.18E-05	1.40E-06	1.87E-06	6.17E-06	4.25E-07
3895	470112.12	3818379.78	2.17E-05	9.13E-05	8.22E-06	1.81E-05	6.71E-05	5.90E-06	2.05E-06	1.17E-05	1.40E-06	1.87E-06	6.15E-06	4.24E-07
3896	469248.74	3819238.22	6.24E-06	2.62E-05	2.36E-06	5.20E-06	1.93E-05	1.70E-06	5.90E-07	3.38E-06	4.03E-07	5.36E-07	1.77E-06	1.22E-07
3897	469248.54	3819247.87	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.99E-07	3.43E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
3898	469248.35	3819257.52	6.44E-06	2.71E-05	2.44E-06	5.37E-06	1.99E-05	1.75E-06	6.08E-07	3.48E-06	4.15E-07	5.53E-07	1.82E-06	1.26E-07
3899	469248.16	3819267.16	6.55E-06	2.75E-05	2.48E-06	5.45E-06	2.02E-05	1.78E-06	6.18E-07	3.54E-06	4.22E-07	5.62E-07	1.85E-06	1.28E-07
3900	469247.96	3819276.81	6.66E-06	2.80E-05	2.52E-06	5.55E-06	2.05E-05	1.81E-06	6.29E-07	3.60E-06	4.29E-07	5.72E-07	1.88E-06	1.30E-07
3901	469247.77	3819286.46	6.79E-06	2.85E-05	2.57E-06	5.65E-06	2.09E-05	1.84E-06	6.41E-07	3.67E-06	4.38E-07	5.83E-07	1.92E-06	1.32E-07
3902	469247.58	3819296.11	6.89E-06	2.89E-05	2.61E-06	5.74E-06	2.13E-05	1.87E-06	6.51E-07	3.72E-06	4.44E-07	5.91E-07	1.95E-06	1.34E-07

3903	469247.38	3819305.76	6.99E-06	2.94E-05	2.64E-06	5.82E-06	2.16E-05	1.90E-06	6.60E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
3904	469247.19	3819315.41	7.10E-06	2.98E-05	2.69E-06	5.91E-06	2.19E-05	1.93E-06	6.71E-07	3.84E-06	4.58E-07	6.10E-07	2.01E-06	1.39E-07
3905	469247	3819325.05	7.21E-06	3.03E-05	2.73E-06	6.01E-06	2.23E-05	1.96E-06	6.81E-07	3.90E-06	4.65E-07	6.19E-07	2.04E-06	1.41E-07
3906	469246.8	3819334.7	7.33E-06	3.08E-05	2.77E-06	6.10E-06	2.26E-05	1.99E-06	6.92E-07	3.96E-06	4.73E-07	6.29E-07	2.07E-06	1.43E-07
3907	469246.61	3819344.35	7.44E-06	3.13E-05	2.81E-06	6.20E-06	2.30E-05	2.02E-06	7.03E-07	4.02E-06	4.80E-07	6.39E-07	2.11E-06	1.45E-07
3908	469246.42	3819354	7.57E-06	3.18E-05	2.86E-06	6.30E-06	2.34E-05	2.05E-06	7.15E-07	4.09E-06	4.88E-07	6.50E-07	2.14E-06	1.48E-07
3909	469246.22	3819363.65	7.70E-06	3.23E-05	2.91E-06	6.41E-06	2.38E-05	2.09E-06	7.27E-07	4.16E-06	4.96E-07	6.61E-07	2.18E-06	1.50E-07
3910	469246.03	3819373.29	7.83E-06	3.29E-05	2.96E-06	6.52E-06	2.42E-05	2.12E-06	7.39E-07	4.23E-06	5.05E-07	6.72E-07	2.22E-06	1.53E-07
3911	469245.84	3819382.94	7.97E-06	3.35E-05	3.01E-06	6.64E-06	2.46E-05	2.16E-06	7.53E-07	4.31E-06	5.14E-07	6.84E-07	2.26E-06	1.56E-07
3912	469245.65	3819392.59	8.12E-06	3.41E-05	3.07E-06	6.76E-06	2.51E-05	2.20E-06	7.67E-07	4.39E-06	5.24E-07	6.97E-07	2.30E-06	1.58E-07
3913	469245.45	3819402.24	8.27E-06	3.47E-05	3.13E-06	6.89E-06	2.55E-05	2.25E-06	7.81E-07	4.47E-06	5.34E-07	7.10E-07	2.34E-06	1.61E-07
3914	469245.26	3819411.89	8.42E-06	3.54E-05	3.19E-06	7.02E-06	2.60E-05	2.29E-06	7.95E-07	4.55E-06	5.43E-07	7.23E-07	2.38E-06	1.64E-07
3915	469245.07	3819421.54	8.58E-06	3.60E-05	3.25E-06	7.15E-06	2.65E-05	2.33E-06	8.10E-07	4.64E-06	5.54E-07	7.37E-07	2.43E-06	1.67E-07
3916	469244.87	3819431.18	8.74E-06	3.67E-05	3.31E-06	7.28E-06	2.70E-05	2.37E-06	8.25E-07	4.73E-06	5.64E-07	7.50E-07	2.47E-06	1.71E-07
3917	469176.78	3819199.8	5.05E-06	2.12E-05	1.91E-06	4.20E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.25E-07	4.33E-07	1.43E-06	9.85E-08
3918	469180.6	3819191.04	5.02E-06	2.11E-05	1.90E-06	4.18E-06	1.55E-05	1.36E-06	4.74E-07	2.71E-06	3.24E-07	4.31E-07	1.42E-06	9.79E-08
3919	469184.42	3819182.28	4.99E-06	2.10E-05	1.89E-06	4.16E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.22E-07	4.29E-07	1.41E-06	9.74E-08
3920	469188.24	3819173.52	4.97E-06	2.09E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.70E-07	2.69E-06	3.21E-07	4.27E-07	1.41E-06	9.71E-08
3921	469192.06	3819164.75	4.96E-06	2.08E-05	1.88E-06	4.13E-06	1.53E-05	1.35E-06	4.68E-07	2.68E-06	3.20E-07	4.26E-07	1.40E-06	9.68E-08
3922	469195.89	3819155.99	4.95E-06	2.08E-05	1.87E-06	4.12E-06	1.53E-05	1.34E-06	4.67E-07	2.68E-06	3.19E-07	4.25E-07	1.40E-06	9.66E-08
3923	469199.71	3819147.23	4.95E-06	2.08E-05	1.87E-06	4.12E-06	1.53E-05	1.34E-06	4.67E-07	2.67E-06	3.19E-07	4.25E-07	1.40E-06	9.65E-08
3924	469203.53	3819138.47	4.95E-06	2.08E-05	1.87E-06	4.12E-06	1.53E-05	1.34E-06	4.67E-07	2.67E-06	3.19E-07	4.25E-07	1.40E-06	9.65E-08
3925	469207.35	3819129.71	4.95E-06	2.08E-05	1.87E-06	4.13E-06	1.53E-05	1.35E-06	4.68E-07	2.68E-06	3.20E-07	4.25E-07	1.40E-06	9.67E-08
3926	469211.17	3819120.95	4.96E-06	2.08E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.69E-07	2.68E-06	3.20E-07	4.26E-07	1.41E-06	9.69E-08
3927	469214.99	3819112.18	4.98E-06	2.09E-05	1.88E-06	4.15E-06	1.54E-05	1.35E-06	4.71E-07	2.69E-06	3.21E-07	4.28E-07	1.41E-06	9.72E-08
3928	469218.81	3819103.42	5.00E-06	2.10E-05	1.89E-06	4.17E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.23E-07	4.29E-07	1.42E-06	9.76E-08
3929	469222.63	3819094.66	5.03E-06	2.11E-05	1.90E-06	4.19E-06	1.55E-05	1.37E-06	4.75E-07	2.72E-06	3.25E-07	4.32E-07	1.42E-06	9.82E-08
3930	469226.45	3819085.9	5.07E-06	2.13E-05	1.92E-06	4.22E-06	1.56E-05	1.38E-06	4.78E-07	2.74E-06	3.27E-07	4.35E-07	1.43E-06	9.88E-08
3931	469230.27	3819077.14	5.10E-06	2.14E-05	1.93E-06	4.25E-06	1.57E-05	1.39E-06	4.82E-07	2.76E-06	3.29E-07	4.38E-07	1.44E-06	9.96E-08
3932	469234.09	3819068.38	5.14E-06	2.16E-05	1.94E-06	4.28E-06	1.59E-05	1.39E-06	4.85E-07	2.78E-06	3.31E-07	4.41E-07	1.45E-06	1.00E-07
3933	469237.92	3819059.62	5.18E-06	2.17E-05	1.96E-06	4.31E-06	1.60E-05	1.41E-06	4.89E-07	2.80E-06	3.34E-07	4.44E-07	1.47E-06	1.01E-07
3934	469241.74	3819050.85	5.22E-06	2.19E-05	1.97E-06	4.35E-06	1.61E-05	1.42E-06	4.93E-07	2.82E-06	3.37E-07	4.48E-07	1.48E-06	1.02E-07
3935	469245.56	3819042.09	5.28E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
3936	469249.38	3819033.33	5.35E-06	2.25E-05	2.02E-06	4.46E-06	1.65E-05	1.45E-06	5.05E-07	2.89E-06	3.45E-07	4.59E-07	1.51E-06	1.04E-07
3937	469253.2	3819024.57	5.42E-06	2.27E-05	2.05E-06	4.51E-06	1.67E-05	1.47E-06	5.12E-07	2.93E-06	3.49E-07	4.65E-07	1.53E-06	1.06E-07
3938	469272.3	3818980.76	5.85E-06	2.46E-05	2.21E-06	4.88E-06	1.81E-05	1.59E-06	5.53E-07	3.16E-06	3.78E-07	5.03E-07	1.66E-06	1.14E-07
3939	469276.13	3818972	5.96E-06	2.50E-05	2.25E-06	4.96E-06	1.84E-05	1.62E-06	5.63E-07	3.22E-06	3.84E-07	5.12E-07	1.69E-06	1.16E-07
3940	469279.95	3818963.24	6.07E-06	2.55E-05	2.29E-06	5.05E-06	1.87E-05	1.65E-06	5.73E-07	3.28E-06	3.91E-07	5.21E-07	1.72E-06	1.18E-07
3941	469283.77	3818954.48	6.18E-06	2.60E-05	2.34E-06	5.15E-06	1.91E-05	1.68E-06	5.84E-07	3.34E-06	3.99E-07	5.31E-07	1.75E-06	1.21E-07
3942	469287.59	3818945.72	6.30E-06	2.64E-05	2.38E-06	5.25E-06	1.94E-05	1.71E-06	5.95E-07	3.40E-06	4.06E-07	5.41E-07	1.78E-06	1.23E-07
3943	469291.41	3818936.96	6.42E-06	2.70E-05	2.43E-06	5.35E-06	1.98E-05	1.74E-06	6.06E-07	3.47E-06	4.14E-07	5.51E-07	1.82E-06	1.25E-07
3944	469295.23	3818928.19	6.55E-06	2.75E-05	2.48E-06	5.45E-06	2.02E-05	1.78E-06	6.18E-07	3.54E-06	4.22E-07	5.62E-07	1.85E-06	1.28E-07

3945	469299.05	3818919.43	6.67E-06	2.80E-05	2.52E-06	5.55E-06	2.06E-05	1.81E-06	6.30E-07	3.60E-06	4.30E-07	5.72E-07	1.89E-06	1.30E-07
3946	469302.87	3818910.67	6.79E-06	2.85E-05	2.57E-06	5.65E-06	2.09E-05	1.84E-06	6.41E-07	3.67E-06	4.38E-07	5.83E-07	1.92E-06	1.32E-07
3947	469306.69	3818901.91	6.91E-06	2.90E-05	2.61E-06	5.76E-06	2.13E-05	1.88E-06	6.53E-07	3.74E-06	4.46E-07	5.93E-07	1.96E-06	1.35E-07
3948	469310.51	3818893.15	7.04E-06	2.96E-05	2.66E-06	5.87E-06	2.17E-05	1.91E-06	6.65E-07	3.81E-06	4.54E-07	6.05E-07	1.99E-06	1.37E-07
3949	469314.34	3818884.39	7.18E-06	3.02E-05	2.72E-06	5.98E-06	2.22E-05	1.95E-06	6.78E-07	3.88E-06	4.63E-07	6.17E-07	2.03E-06	1.40E-07
3950	469318.16	3818875.62	7.32E-06	3.07E-05	2.77E-06	6.10E-06	2.26E-05	1.99E-06	6.91E-07	3.96E-06	4.72E-07	6.29E-07	2.07E-06	1.43E-07
3951	469321.98	3818866.86	7.46E-06	3.13E-05	2.82E-06	6.21E-06	2.30E-05	2.02E-06	7.04E-07	4.03E-06	4.81E-07	6.40E-07	2.11E-06	1.45E-07
3952	469325.8	3818858.1	7.60E-06	3.19E-05	2.87E-06	6.33E-06	2.34E-05	2.06E-06	7.17E-07	4.11E-06	4.90E-07	6.52E-07	2.15E-06	1.48E-07
3953	469329.62	3818849.34	7.74E-06	3.25E-05	2.93E-06	6.44E-06	2.39E-05	2.10E-06	7.30E-07	4.18E-06	4.99E-07	6.64E-07	2.19E-06	1.51E-07
3954	469333.44	3818840.58	7.87E-06	3.30E-05	2.97E-06	6.55E-06	2.43E-05	2.14E-06	7.43E-07	4.25E-06	5.07E-07	6.75E-07	2.23E-06	1.53E-07
3955	469337.26	3818831.82	8.00E-06	3.36E-05	3.02E-06	6.66E-06	2.47E-05	2.17E-06	7.55E-07	4.32E-06	5.16E-07	6.86E-07	2.26E-06	1.56E-07
3956	469341.08	3818823.06	8.12E-06	3.41E-05	3.07E-06	6.76E-06	2.51E-05	2.20E-06	7.67E-07	4.39E-06	5.24E-07	6.97E-07	2.30E-06	1.58E-07
3957	469344.9	3818814.29	8.24E-06	3.46E-05	3.12E-06	6.86E-06	2.54E-05	2.24E-06	7.78E-07	4.45E-06	5.32E-07	7.07E-07	2.33E-06	1.61E-07
3958	469348.72	3818805.53	8.36E-06	3.51E-05	3.16E-06	6.96E-06	2.58E-05	2.27E-06	7.90E-07	4.52E-06	5.39E-07	7.18E-07	2.37E-06	1.63E-07
3959	469352.54	3818796.77	8.48E-06	3.56E-05	3.21E-06	7.06E-06	2.62E-05	2.30E-06	8.00E-07	4.58E-06	5.47E-07	7.28E-07	2.40E-06	1.65E-07
3960	469356.37	3818788.01	8.59E-06	3.61E-05	3.25E-06	7.16E-06	2.65E-05	2.33E-06	8.11E-07	4.64E-06	5.54E-07	7.38E-07	2.43E-06	1.68E-07
3961	469360.19	3818779.25	8.70E-06	3.65E-05	3.29E-06	7.24E-06	2.68E-05	2.36E-06	8.21E-07	4.70E-06	5.61E-07	7.47E-07	2.46E-06	1.70E-07
3962	469364.01	3818770.49	8.80E-06	3.70E-05	3.33E-06	7.33E-06	2.72E-05	2.39E-06	8.31E-07	4.76E-06	5.68E-07	7.55E-07	2.49E-06	1.72E-07
3963	469367.83	3818761.73	8.89E-06	3.74E-05	3.36E-06	7.41E-06	2.74E-05	2.41E-06	8.40E-07	4.81E-06	5.74E-07	7.64E-07	2.52E-06	1.74E-07
3964	469371.65	3818752.96	8.99E-06	3.77E-05	3.40E-06	7.48E-06	2.77E-05	2.44E-06	8.49E-07	4.86E-06	5.80E-07	7.71E-07	2.54E-06	1.75E-07
3965	469375.47	3818744.2	9.07E-06	3.81E-05	3.43E-06	7.56E-06	2.80E-05	2.46E-06	8.57E-07	4.90E-06	5.85E-07	7.79E-07	2.57E-06	1.77E-07
3966	469379.29	3818735.44	9.15E-06	3.84E-05	3.46E-06	7.63E-06	2.82E-05	2.49E-06	8.64E-07	4.95E-06	5.90E-07	7.86E-07	2.59E-06	1.79E-07
3967	469383.11	3818726.68	9.23E-06	3.88E-05	3.49E-06	7.69E-06	2.85E-05	2.51E-06	8.72E-07	4.99E-06	5.95E-07	7.92E-07	2.61E-06	1.80E-07
3968	469386.93	3818717.92	9.30E-06	3.91E-05	3.52E-06	7.75E-06	2.87E-05	2.53E-06	8.79E-07	5.03E-06	6.00E-07	7.99E-07	2.63E-06	1.82E-07
3969	469390.75	3818709.16	9.38E-06	3.94E-05	3.55E-06	7.81E-06	2.89E-05	2.55E-06	8.85E-07	5.07E-06	6.05E-07	8.05E-07	2.65E-06	1.83E-07
3970	469394.58	3818700.4	9.44E-06	3.97E-05	3.57E-06	7.87E-06	2.91E-05	2.56E-06	8.92E-07	5.11E-06	6.09E-07	8.11E-07	2.67E-06	1.84E-07
3971	469398.4	3818691.63	9.51E-06	3.99E-05	3.60E-06	7.92E-06	2.93E-05	2.58E-06	8.98E-07	5.14E-06	6.13E-07	8.16E-07	2.69E-06	1.85E-07
3972	469402.22	3818682.87	9.56E-06	4.02E-05	3.62E-06	7.97E-06	2.95E-05	2.60E-06	9.03E-07	5.17E-06	6.17E-07	8.21E-07	2.71E-06	1.87E-07
3973	469406.04	3818674.11	9.62E-06	4.04E-05	3.64E-06	8.01E-06	2.97E-05	2.61E-06	9.09E-07	5.20E-06	6.21E-07	8.26E-07	2.72E-06	1.88E-07
3974	469409.86	3818665.35	9.67E-06	4.06E-05	3.66E-06	8.06E-06	2.99E-05	2.63E-06	9.14E-07	5.23E-06	6.24E-07	8.30E-07	2.74E-06	1.89E-07
3975	469413.68	3818656.59	9.74E-06	4.09E-05	3.68E-06	8.11E-06	3.00E-05	2.64E-06	9.19E-07	5.26E-06	6.28E-07	8.36E-07	2.76E-06	1.90E-07
3976	469417.5	3818647.83	9.78E-06	4.11E-05	3.70E-06	8.15E-06	3.02E-05	2.66E-06	9.24E-07	5.29E-06	6.31E-07	8.40E-07	2.77E-06	1.91E-07
3977	469421.32	3818639.07	9.83E-06	4.13E-05	3.72E-06	8.19E-06	3.03E-05	2.67E-06	9.29E-07	5.32E-06	6.34E-07	8.44E-07	2.78E-06	1.92E-07
3978	469425.14	3818630.3	9.88E-06	4.15E-05	3.74E-06	8.23E-06	3.05E-05	2.68E-06	9.33E-07	5.34E-06	6.37E-07	8.48E-07	2.80E-06	1.93E-07
3979	469428.96	3818621.54	9.93E-06	4.17E-05	3.76E-06	8.27E-06	3.07E-05	2.70E-06	9.38E-07	5.37E-06	6.41E-07	8.53E-07	2.81E-06	1.94E-07
3980	469432.79	3818612.78	9.99E-06	4.19E-05	3.78E-06	8.32E-06	3.08E-05	2.71E-06	9.43E-07	5.40E-06	6.44E-07	8.57E-07	2.83E-06	1.95E-07
3981	469436.61	3818604.02	1.00E-05	4.22E-05	3.80E-06	8.36E-06	3.10E-05	2.73E-06	9.48E-07	5.43E-06	6.48E-07	8.62E-07	2.84E-06	1.96E-07
3982	469440.43	3818595.26	1.01E-05	4.23E-05	3.81E-06	8.40E-06	3.11E-05	2.74E-06	9.52E-07	5.45E-06	6.50E-07	8.66E-07	2.85E-06	1.97E-07
3983	469444.25	3818586.5	1.01E-05	4.26E-05	3.84E-06	8.45E-06	3.13E-05	2.75E-06	9.58E-07	5.48E-06	6.54E-07	8.71E-07	2.87E-06	1.98E-07
3984	469448.07	3818577.73	1.02E-05	4.28E-05	3.86E-06	8.49E-06	3.15E-05	2.77E-06	9.63E-07	5.51E-06	6.57E-07	8.75E-07	2.89E-06	1.99E-07
3985	469451.89	3818568.97	1.02E-05	4.30E-05	3.87E-06	8.53E-06	3.16E-05	2.78E-06	9.67E-07	5.54E-06	6.61E-07	8.79E-07	2.90E-06	2.00E-07
3986	469464.6	3818556.69	1.05E-05	4.40E-05	3.96E-06	8.73E-06	3.23E-05	2.85E-06	9.90E-07	5.67E-06	6.76E-07	9.00E-07	2.97E-06	2.05E-07

3987	469473.48	3818553.17	1.07E-05	4.49E-05	4.04E-06	8.90E-06	3.30E-05	2.90E-06	1.01E-06	5.78E-06	6.89E-07	9.17E-07	3.02E-06	2.08E-07
3988	469482.37	3818549.65	1.09E-05	4.57E-05	4.12E-06	9.07E-06	3.36E-05	2.96E-06	1.03E-06	5.89E-06	7.02E-07	9.35E-07	3.08E-06	2.12E-07
3989	469509.03	3818539.09	1.15E-05	4.82E-05	4.34E-06	9.56E-06	3.54E-05	3.11E-06	1.08E-06	6.20E-06	7.40E-07	9.85E-07	3.25E-06	2.24E-07
3990	469517.92	3818535.57	1.17E-05	4.90E-05	4.41E-06	9.72E-06	3.60E-05	3.17E-06	1.10E-06	6.31E-06	7.52E-07	1.00E-06	3.30E-06	2.28E-07
3991	469526.81	3818532.05	1.18E-05	4.97E-05	4.48E-06	9.87E-06	3.65E-05	3.22E-06	1.12E-06	6.40E-06	7.64E-07	1.02E-06	3.35E-06	2.31E-07
3992	469535.69	3818528.53	1.20E-05	5.05E-05	4.55E-06	1.00E-05	3.71E-05	3.26E-06	1.14E-06	6.50E-06	7.75E-07	1.03E-06	3.40E-06	2.35E-07
3993	469544.58	3818525.01	1.22E-05	5.12E-05	4.61E-06	1.02E-05	3.76E-05	3.31E-06	1.15E-06	6.59E-06	7.87E-07	1.05E-06	3.45E-06	2.38E-07
3994	469553.47	3818521.5	1.24E-05	5.19E-05	4.68E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.69E-06	7.98E-07	1.06E-06	3.50E-06	2.41E-07
3995	469562.35	3818517.98	1.25E-05	5.26E-05	4.74E-06	1.04E-05	3.87E-05	3.40E-06	1.18E-06	6.78E-06	8.09E-07	1.08E-06	3.55E-06	2.45E-07
3996	469571.24	3818514.46	1.27E-05	5.34E-05	4.80E-06	1.06E-05	3.92E-05	3.45E-06	1.20E-06	6.87E-06	8.19E-07	1.09E-06	3.60E-06	2.48E-07
3997	469580.13	3818510.94	1.29E-05	5.40E-05	4.86E-06	1.07E-05	3.97E-05	3.49E-06	1.21E-06	6.95E-06	8.29E-07	1.10E-06	3.64E-06	2.51E-07
3998	469589.01	3818507.42	1.30E-05	5.46E-05	4.92E-06	1.08E-05	4.01E-05	3.53E-06	1.23E-06	7.03E-06	8.39E-07	1.12E-06	3.68E-06	2.54E-07
3999	469597.9	3818503.9	1.31E-05	5.52E-05	4.97E-06	1.10E-05	4.06E-05	3.57E-06	1.24E-06	7.11E-06	8.48E-07	1.13E-06	3.72E-06	2.57E-07
4000	469606.79	3818500.38	1.33E-05	5.58E-05	5.02E-06	1.11E-05	4.10E-05	3.61E-06	1.25E-06	7.18E-06	8.57E-07	1.14E-06	3.76E-06	2.59E-07
4001	469615.67	3818496.86	1.34E-05	5.63E-05	5.07E-06	1.12E-05	4.14E-05	3.64E-06	1.27E-06	7.25E-06	8.65E-07	1.15E-06	3.80E-06	2.62E-07
4002	469624.56	3818493.34	1.35E-05	5.69E-05	5.12E-06	1.13E-05	4.18E-05	3.68E-06	1.28E-06	7.32E-06	8.74E-07	1.16E-06	3.83E-06	2.64E-07
4003	469633.45	3818489.82	1.37E-05	5.74E-05	5.17E-06	1.14E-05	4.22E-05	3.71E-06	1.29E-06	7.39E-06	8.82E-07	1.17E-06	3.87E-06	2.67E-07
4004	469642.33	3818486.3	1.38E-05	5.80E-05	5.22E-06	1.15E-05	4.26E-05	3.75E-06	1.30E-06	7.47E-06	8.91E-07	1.19E-06	3.91E-06	2.69E-07
4005	469651.22	3818482.78	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.32E-06	7.53E-06	8.99E-07	1.20E-06	3.94E-06	2.72E-07
4006	469660.11	3818479.26	1.41E-05	5.90E-05	5.32E-06	1.17E-05	4.34E-05	3.82E-06	1.33E-06	7.60E-06	9.07E-07	1.21E-06	3.98E-06	2.74E-07
4007	469668.99	3818475.74	1.42E-05	5.96E-05	5.37E-06	1.18E-05	4.38E-05	3.85E-06	1.34E-06	7.67E-06	9.15E-07	1.22E-06	4.02E-06	2.77E-07
4008	469677.88	3818472.22	1.43E-05	6.02E-05	5.42E-06	1.19E-05	4.42E-05	3.89E-06	1.35E-06	7.75E-06	9.24E-07	1.23E-06	4.06E-06	2.80E-07
4009	469713.43	3818458.14	1.49E-05	6.24E-05	5.62E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.03E-06	9.58E-07	1.28E-06	4.20E-06	2.90E-07
4010	469722.31	3818454.62	1.50E-05	6.30E-05	5.67E-06	1.25E-05	4.63E-05	4.07E-06	1.42E-06	8.10E-06	9.67E-07	1.29E-06	4.24E-06	2.92E-07
4011	469731.2	3818451.1	1.51E-05	6.35E-05	5.72E-06	1.26E-05	4.66E-05	4.10E-06	1.43E-06	8.17E-06	9.75E-07	1.30E-06	4.28E-06	2.95E-07
4012	469740.09	3818447.58	1.52E-05	6.40E-05	5.76E-06	1.27E-05	4.70E-05	4.14E-06	1.44E-06	8.24E-06	9.83E-07	1.31E-06	4.31E-06	2.97E-07
4013	469748.97	3818444.06	1.54E-05	6.45E-05	5.81E-06	1.28E-05	4.74E-05	4.17E-06	1.45E-06	8.31E-06	9.91E-07	1.32E-06	4.35E-06	3.00E-07
4014	469757.86	3818440.54	1.55E-05	6.50E-05	5.86E-06	1.29E-05	4.78E-05	4.20E-06	1.46E-06	8.37E-06	9.99E-07	1.33E-06	4.38E-06	3.02E-07
4015	469828.96	3818412.38	1.64E-05	6.87E-05	6.19E-06	1.36E-05	5.05E-05	4.44E-06	1.55E-06	8.85E-06	1.06E-06	1.41E-06	4.63E-06	3.19E-07
4016	469837.84	3818408.86	1.64E-05	6.91E-05	6.22E-06	1.37E-05	5.07E-05	4.46E-06	1.55E-06	8.89E-06	1.06E-06	1.41E-06	4.65E-06	3.21E-07
4017	469846.73	3818405.34	1.65E-05	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.48E-06	1.56E-06	8.93E-06	1.07E-06	1.42E-06	4.67E-06	3.22E-07
4018	469855.62	3818401.82	1.66E-05	6.96E-05	6.27E-06	1.38E-05	5.12E-05	4.50E-06	1.57E-06	8.96E-06	1.07E-06	1.42E-06	4.69E-06	3.24E-07
4019	469864.5	3818398.31	1.66E-05	6.99E-05	6.29E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.00E-06	1.07E-06	1.43E-06	4.71E-06	3.25E-07
4020	469873.39	3818394.79	1.67E-05	7.01E-05	6.32E-06	1.39E-05	5.15E-05	4.53E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
4021	469882.28	3818391.27	1.68E-05	7.04E-05	6.34E-06	1.40E-05	5.17E-05	4.55E-06	1.58E-06	9.06E-06	1.08E-06	1.44E-06	4.74E-06	3.27E-07
4022	469891.16	3818387.75	1.68E-05	7.06E-05	6.35E-06	1.40E-05	5.19E-05	4.56E-06	1.59E-06	9.08E-06	1.08E-06	1.44E-06	4.76E-06	3.28E-07
4023	469900.05	3818384.23	1.69E-05	7.08E-05	6.37E-06	1.40E-05	5.20E-05	4.58E-06	1.59E-06	9.11E-06	1.09E-06	1.45E-06	4.77E-06	3.29E-07
4024	469908.94	3818380.71	1.69E-05	7.10E-05	6.40E-06	1.41E-05	5.22E-05	4.59E-06	1.60E-06	9.14E-06	1.09E-06	1.45E-06	4.79E-06	3.30E-07
4025	469917.82	3818377.19	1.70E-05	7.13E-05	6.42E-06	1.41E-05	5.24E-05	4.61E-06	1.60E-06	9.17E-06	1.09E-06	1.46E-06	4.80E-06	3.31E-07
4026	469926.71	3818373.67	1.70E-05	7.15E-05	6.44E-06	1.42E-05	5.26E-05	4.62E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
4027	469935.6	3818370.15	1.71E-05	7.18E-05	6.46E-06	1.42E-05	5.27E-05	4.64E-06	1.61E-06	9.24E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
4028	469944.48	3818366.63	1.72E-05	7.21E-05	6.49E-06	1.43E-05	5.30E-05	4.66E-06	1.62E-06	9.28E-06	1.11E-06	1.47E-06	4.86E-06	3.35E-07

4029	469953.37	3818363.11	1.72E-05	7.24E-05	6.52E-06	1.44E-05	5.32E-05	4.68E-06	1.63E-06	9.32E-06	1.11E-06	1.48E-06	4.88E-06	3.36E-07
4030	469962.26	3818359.59	1.73E-05	7.27E-05	6.55E-06	1.44E-05	5.34E-05	4.70E-06	1.63E-06	9.36E-06	1.12E-06	1.49E-06	4.90E-06	3.38E-07
4031	469971.14	3818356.07	1.74E-05	7.31E-05	6.58E-06	1.45E-05	5.37E-05	4.72E-06	1.64E-06	9.40E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
4032	469980.03	3818352.55	1.75E-05	7.35E-05	6.62E-06	1.46E-05	5.40E-05	4.75E-06	1.65E-06	9.46E-06	1.13E-06	1.50E-06	4.95E-06	3.41E-07
4033	469988.92	3818349.03	1.76E-05	7.39E-05	6.65E-06	1.46E-05	5.43E-05	4.77E-06	1.66E-06	9.51E-06	1.13E-06	1.51E-06	4.98E-06	3.43E-07
4034	469997.8	3818345.51	1.77E-05	7.43E-05	6.69E-06	1.47E-05	5.46E-05	4.80E-06	1.67E-06	9.56E-06	1.14E-06	1.52E-06	5.01E-06	3.45E-07
4035	470006.69	3818341.99	1.78E-05	7.47E-05	6.73E-06	1.48E-05	5.49E-05	4.83E-06	1.68E-06	9.62E-06	1.15E-06	1.53E-06	5.04E-06	3.47E-07
4036	470033.35	3818331.43	1.82E-05	7.63E-05	6.87E-06	1.51E-05	5.61E-05	4.93E-06	1.72E-06	9.82E-06	1.17E-06	1.56E-06	5.14E-06	3.54E-07
4037	470042.24	3818327.91	1.83E-05	7.68E-05	6.92E-06	1.52E-05	5.64E-05	4.96E-06	1.73E-06	9.88E-06	1.18E-06	1.57E-06	5.18E-06	3.57E-07
4038	470051.13	3818324.39	1.84E-05	7.72E-05	6.96E-06	1.53E-05	5.68E-05	4.99E-06	1.74E-06	9.94E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
4039	470060.01	3818320.87	1.85E-05	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.01E-06	1.74E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.60E-07
4040	470068.9	3818317.35	1.85E-05	7.79E-05	7.01E-06	1.54E-05	5.72E-05	5.03E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.25E-06	3.62E-07
4041	470077.79	3818313.83	1.86E-05	7.81E-05	7.03E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.26E-06	3.63E-07
4042	470086.67	3818310.31	1.86E-05	7.82E-05	7.04E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.27E-06	3.63E-07
4043	470095.56	3818306.79	1.86E-05	7.82E-05	7.04E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.27E-06	3.63E-07
4044	470104.45	3818303.27	1.86E-05	7.81E-05	7.03E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.26E-06	3.63E-07
4045	470113.33	3818299.75	1.85E-05	7.79E-05	7.01E-06	1.54E-05	5.72E-05	5.03E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.25E-06	3.62E-07
4046	469168.75	3819236.62	5.29E-06	2.22E-05	2.00E-06	4.40E-06	1.63E-05	1.44E-06	4.99E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
4047	469168.56	3819246.27	5.37E-06	2.26E-05	2.03E-06	4.48E-06	1.66E-05	1.46E-06	5.07E-07	2.90E-06	3.47E-07	4.61E-07	1.52E-06	1.05E-07
4048	469168.37	3819255.92	5.46E-06	2.29E-05	2.06E-06	4.55E-06	1.68E-05	1.48E-06	5.16E-07	2.95E-06	3.52E-07	4.69E-07	1.55E-06	1.07E-07
4049	469168.17	3819265.56	5.55E-06	2.33E-05	2.10E-06	4.62E-06	1.71E-05	1.51E-06	5.24E-07	3.00E-06	3.58E-07	4.76E-07	1.57E-06	1.08E-07
4050	469167.98	3819275.21	5.63E-06	2.37E-05	2.13E-06	4.69E-06	1.74E-05	1.53E-06	5.32E-07	3.05E-06	3.63E-07	4.84E-07	1.59E-06	1.10E-07
4051	469167.79	3819284.86	5.72E-06	2.40E-05	2.16E-06	4.76E-06	1.77E-05	1.55E-06	5.40E-07	3.09E-06	3.69E-07	4.91E-07	1.62E-06	1.12E-07
4052	469167.59	3819294.51	5.81E-06	2.44E-05	2.20E-06	4.84E-06	1.79E-05	1.58E-06	5.49E-07	3.14E-06	3.75E-07	4.99E-07	1.64E-06	1.13E-07
4053	469167.4	3819304.16	5.90E-06	2.48E-05	2.23E-06	4.91E-06	1.82E-05	1.60E-06	5.57E-07	3.19E-06	3.80E-07	5.06E-07	1.67E-06	1.15E-07
4054	469167.21	3819313.8	5.98E-06	2.51E-05	2.26E-06	4.98E-06	1.85E-05	1.62E-06	5.65E-07	3.23E-06	3.86E-07	5.13E-07	1.69E-06	1.17E-07
4055	469167.01	3819323.45	6.07E-06	2.55E-05	2.29E-06	5.05E-06	1.87E-05	1.65E-06	5.73E-07	3.28E-06	3.91E-07	5.21E-07	1.72E-06	1.18E-07
4056	469166.82	3819333.1	6.15E-06	2.58E-05	2.33E-06	5.12E-06	1.90E-05	1.67E-06	5.81E-07	3.32E-06	3.97E-07	5.28E-07	1.74E-06	1.20E-07
4057	469166.63	3819342.75	6.23E-06	2.62E-05	2.36E-06	5.19E-06	1.92E-05	1.69E-06	5.88E-07	3.37E-06	4.02E-07	5.35E-07	1.76E-06	1.22E-07
4058	469166.43	3819352.4	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.99E-07	3.43E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
4059	469166.24	3819362.05	6.44E-06	2.70E-05	2.43E-06	5.36E-06	1.99E-05	1.75E-06	6.08E-07	3.48E-06	4.15E-07	5.53E-07	1.82E-06	1.26E-07
4060	469166.05	3819371.69	6.53E-06	2.74E-05	2.47E-06	5.44E-06	2.02E-05	1.77E-06	6.17E-07	3.53E-06	4.21E-07	5.61E-07	1.85E-06	1.27E-07
4061	469165.85	3819381.34	6.64E-06	2.79E-05	2.51E-06	5.53E-06	2.05E-05	1.80E-06	6.27E-07	3.59E-06	4.29E-07	5.70E-07	1.88E-06	1.30E-07
4062	469165.66	3819390.99	6.75E-06	2.84E-05	2.55E-06	5.63E-06	2.08E-05	1.83E-06	6.38E-07	3.65E-06	4.36E-07	5.80E-07	1.91E-06	1.32E-07
4063	469165.47	3819400.64	6.87E-06	2.89E-05	2.60E-06	5.73E-06	2.12E-05	1.87E-06	6.49E-07	3.72E-06	4.43E-07	5.90E-07	1.95E-06	1.34E-07
4064	469165.27	3819410.29	6.99E-06	2.94E-05	2.64E-06	5.82E-06	2.16E-05	1.90E-06	6.60E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
4065	469165.08	3819419.93	7.11E-06	2.98E-05	2.69E-06	5.92E-06	2.19E-05	1.93E-06	6.71E-07	3.84E-06	4.58E-07	6.10E-07	2.01E-06	1.39E-07
4066	469164.89	3819429.58	7.23E-06	3.03E-05	2.73E-06	6.02E-06	2.23E-05	1.96E-06	6.82E-07	3.91E-06	4.66E-07	6.20E-07	2.05E-06	1.41E-07
4067	469096.83	3819198.12	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.80E-07	3.72E-07	1.23E-06	8.46E-08
4068	469100.67	3819189.31	4.31E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.40E-08
4069	469104.51	3819180.51	4.28E-06	1.80E-05	1.62E-06	3.56E-06	1.32E-05	1.16E-06	4.04E-07	2.31E-06	2.76E-07	3.67E-07	1.21E-06	8.34E-08
4070	469108.35	3819171.71	4.25E-06	1.79E-05	1.61E-06	3.54E-06	1.31E-05	1.15E-06	4.02E-07	2.30E-06	2.74E-07	3.65E-07	1.20E-06	8.30E-08

4071	469112.19	3819162.9	4.23E-06	1.78E-05	1.60E-06	3.53E-06	1.31E-05	1.15E-06	4.00E-07	2.29E-06	2.73E-07	3.63E-07	1.20E-06	8.26E-08
4072	469116.03	3819154.1	4.21E-06	1.77E-05	1.59E-06	3.51E-06	1.30E-05	1.14E-06	3.98E-07	2.28E-06	2.72E-07	3.62E-07	1.19E-06	8.22E-08
4073	469119.87	3819145.3	4.19E-06	1.76E-05	1.59E-06	3.49E-06	1.29E-05	1.14E-06	3.96E-07	2.27E-06	2.71E-07	3.60E-07	1.19E-06	8.19E-08
4074	469123.71	3819136.49	4.18E-06	1.76E-05	1.58E-06	3.48E-06	1.29E-05	1.13E-06	3.95E-07	2.26E-06	2.70E-07	3.59E-07	1.18E-06	8.16E-08
4075	469127.54	3819127.69	4.18E-06	1.76E-05	1.58E-06	3.48E-06	1.29E-05	1.13E-06	3.95E-07	2.26E-06	2.70E-07	3.59E-07	1.18E-06	8.16E-08
4076	469131.38	3819118.89	4.18E-06	1.76E-05	1.58E-06	3.48E-06	1.29E-05	1.13E-06	3.95E-07	2.26E-06	2.70E-07	3.59E-07	1.18E-06	8.16E-08
4077	469135.22	3819110.09	4.19E-06	1.76E-05	1.58E-06	3.49E-06	1.29E-05	1.14E-06	3.95E-07	2.26E-06	2.70E-07	3.59E-07	1.18E-06	8.17E-08
4078	469139.06	3819101.28	4.19E-06	1.76E-05	1.58E-06	3.49E-06	1.29E-05	1.14E-06	3.96E-07	2.27E-06	2.70E-07	3.60E-07	1.19E-06	8.18E-08
4079	469142.9	3819092.48	4.20E-06	1.77E-05	1.59E-06	3.50E-06	1.30E-05	1.14E-06	3.97E-07	2.27E-06	2.71E-07	3.61E-07	1.19E-06	8.20E-08
4080	469146.74	3819083.68	4.22E-06	1.77E-05	1.60E-06	3.52E-06	1.30E-05	1.15E-06	3.99E-07	2.28E-06	2.72E-07	3.63E-07	1.20E-06	8.24E-08
4081	469150.58	3819074.87	4.25E-06	1.78E-05	1.61E-06	3.54E-06	1.31E-05	1.15E-06	4.01E-07	2.30E-06	2.74E-07	3.65E-07	1.20E-06	8.29E-08
4082	469154.42	3819066.07	4.28E-06	1.80E-05	1.62E-06	3.56E-06	1.32E-05	1.16E-06	4.04E-07	2.31E-06	2.76E-07	3.67E-07	1.21E-06	8.34E-08
4083	469158.26	3819057.27	4.31E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.40E-08
4084	469162.1	3819048.47	4.34E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.10E-07	2.35E-06	2.80E-07	3.72E-07	1.23E-06	8.47E-08
4085	469165.94	3819039.66	4.38E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.14E-07	2.37E-06	2.83E-07	3.76E-07	1.24E-06	8.55E-08
4086	469169.77	3819030.86	4.43E-06	1.86E-05	1.67E-06	3.69E-06	1.37E-05	1.20E-06	4.18E-07	2.39E-06	2.85E-07	3.80E-07	1.25E-06	8.64E-08
4087	469173.61	3819022.06	4.47E-06	1.88E-05	1.69E-06	3.73E-06	1.38E-05	1.21E-06	4.22E-07	2.42E-06	2.89E-07	3.84E-07	1.27E-06	8.73E-08
4088	469177.45	3819013.25	4.52E-06	1.90E-05	1.71E-06	3.77E-06	1.40E-05	1.23E-06	4.27E-07	2.44E-06	2.92E-07	3.88E-07	1.28E-06	8.82E-08
4089	469181.29	3819004.45	4.58E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.48E-06	2.95E-07	3.93E-07	1.30E-06	8.94E-08
4090	469185.13	3818995.65	4.64E-06	1.95E-05	1.76E-06	3.87E-06	1.43E-05	1.26E-06	4.38E-07	2.51E-06	2.99E-07	3.99E-07	1.31E-06	9.06E-08
4091	469188.97	3818986.85	4.70E-06	1.98E-05	1.78E-06	3.92E-06	1.45E-05	1.28E-06	4.44E-07	2.54E-06	3.03E-07	4.04E-07	1.33E-06	9.18E-08
4092	469192.81	3818978.04	4.77E-06	2.00E-05	1.80E-06	3.97E-06	1.47E-05	1.29E-06	4.50E-07	2.58E-06	3.07E-07	4.09E-07	1.35E-06	9.30E-08
4093	469196.65	3818969.24	4.84E-06	2.03E-05	1.83E-06	4.03E-06	1.49E-05	1.31E-06	4.57E-07	2.62E-06	3.12E-07	4.15E-07	1.37E-06	9.44E-08
4094	469200.49	3818960.44	4.92E-06	2.06E-05	1.86E-06	4.10E-06	1.52E-05	1.33E-06	4.64E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.59E-08
4095	469204.33	3818951.63	4.99E-06	2.10E-05	1.89E-06	4.16E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.22E-07	4.29E-07	1.41E-06	9.74E-08
4096	469208.16	3818942.83	5.08E-06	2.13E-05	1.92E-06	4.23E-06	1.57E-05	1.38E-06	4.79E-07	2.74E-06	3.27E-07	4.36E-07	1.44E-06	9.90E-08
4097	469212	3818934.03	5.15E-06	2.16E-05	1.95E-06	4.29E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.32E-07	4.42E-07	1.46E-06	1.01E-07
4098	469215.84	3818925.23	5.24E-06	2.20E-05	1.98E-06	4.36E-06	1.62E-05	1.42E-06	4.95E-07	2.83E-06	3.38E-07	4.50E-07	1.48E-06	1.02E-07
4099	469219.68	3818916.42	5.33E-06	2.24E-05	2.02E-06	4.44E-06	1.65E-05	1.45E-06	5.04E-07	2.88E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
4100	469223.52	3818907.62	5.44E-06	2.28E-05	2.06E-06	4.53E-06	1.68E-05	1.48E-06	5.13E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
4101	469227.36	3818898.82	5.54E-06	2.33E-05	2.10E-06	4.62E-06	1.71E-05	1.50E-06	5.23E-07	3.00E-06	3.57E-07	4.76E-07	1.57E-06	1.08E-07
4102	469231.2	3818890.01	5.65E-06	2.37E-05	2.14E-06	4.70E-06	1.74E-05	1.53E-06	5.33E-07	3.05E-06	3.64E-07	4.85E-07	1.60E-06	1.10E-07
4103	469235.04	3818881.21	5.76E-06	2.42E-05	2.18E-06	4.80E-06	1.78E-05	1.56E-06	5.44E-07	3.11E-06	3.71E-07	4.94E-07	1.63E-06	1.12E-07
4104	469238.88	3818872.41	5.87E-06	2.46E-05	2.22E-06	4.89E-06	1.81E-05	1.59E-06	5.54E-07	3.17E-06	3.79E-07	5.04E-07	1.66E-06	1.15E-07
4105	469242.72	3818863.61	5.98E-06	2.51E-05	2.26E-06	4.98E-06	1.85E-05	1.62E-06	5.65E-07	3.24E-06	3.86E-07	5.14E-07	1.69E-06	1.17E-07
4106	469246.55	3818854.8	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.65E-06	5.76E-07	3.29E-06	3.93E-07	5.23E-07	1.73E-06	1.19E-07
4107	469250.39	3818846	6.21E-06	2.61E-05	2.35E-06	5.17E-06	1.92E-05	1.69E-06	5.86E-07	3.36E-06	4.01E-07	5.33E-07	1.76E-06	1.21E-07
4108	469254.23	3818837.2	6.33E-06	2.66E-05	2.39E-06	5.27E-06	1.95E-05	1.72E-06	5.97E-07	3.42E-06	4.08E-07	5.43E-07	1.79E-06	1.23E-07
4109	469277.27	3818784.38	6.99E-06	2.94E-05	2.64E-06	5.82E-06	2.16E-05	1.90E-06	6.60E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
4110	469281.11	3818775.58	7.09E-06	2.98E-05	2.68E-06	5.91E-06	2.19E-05	1.92E-06	6.70E-07	3.83E-06	4.57E-07	6.09E-07	2.01E-06	1.38E-07
4111	469284.95	3818766.77	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.04E-06	1.40E-07
4112	469288.78	3818757.97	7.29E-06	3.06E-05	2.76E-06	6.07E-06	2.25E-05	1.98E-06	6.88E-07	3.94E-06	4.70E-07	6.26E-07	2.06E-06	1.42E-07

4113	469292.62	3818749.17	7.38E-06	3.10E-05	2.79E-06	6.15E-06	2.28E-05	2.00E-06	6.97E-07	3.99E-06	4.76E-07	6.33E-07	2.09E-06	1.44E-07
4114	469296.46	3818740.36	7.47E-06	3.14E-05	2.82E-06	6.22E-06	2.30E-05	2.03E-06	7.05E-07	4.04E-06	4.82E-07	6.41E-07	2.11E-06	1.46E-07
4115	469300.3	3818731.56	7.55E-06	3.17E-05	2.85E-06	6.29E-06	2.33E-05	2.05E-06	7.13E-07	4.08E-06	4.87E-07	6.48E-07	2.14E-06	1.47E-07
4116	469304.14	3818722.76	7.62E-06	3.20E-05	2.88E-06	6.35E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.92E-07	6.55E-07	2.16E-06	1.49E-07
4117	469307.98	3818713.96	7.69E-06	3.23E-05	2.91E-06	6.41E-06	2.37E-05	2.09E-06	7.26E-07	4.16E-06	4.96E-07	6.60E-07	2.18E-06	1.50E-07
4118	469311.82	3818705.15	7.76E-06	3.26E-05	2.94E-06	6.47E-06	2.40E-05	2.11E-06	7.33E-07	4.20E-06	5.01E-07	6.67E-07	2.20E-06	1.52E-07
4119	469315.66	3818696.35	7.83E-06	3.29E-05	2.96E-06	6.52E-06	2.42E-05	2.12E-06	7.39E-07	4.23E-06	5.05E-07	6.72E-07	2.22E-06	1.53E-07
4120	469319.5	3818687.55	7.88E-06	3.31E-05	2.98E-06	6.57E-06	2.43E-05	2.14E-06	7.45E-07	4.26E-06	5.09E-07	6.77E-07	2.23E-06	1.54E-07
4121	469323.34	3818678.74	7.94E-06	3.34E-05	3.00E-06	6.62E-06	2.45E-05	2.16E-06	7.50E-07	4.29E-06	5.12E-07	6.82E-07	2.25E-06	1.55E-07
4122	469327.17	3818669.94	8.00E-06	3.36E-05	3.02E-06	6.66E-06	2.47E-05	2.17E-06	7.55E-07	4.32E-06	5.16E-07	6.86E-07	2.26E-06	1.56E-07
4123	469331.01	3818661.14	8.04E-06	3.38E-05	3.04E-06	6.70E-06	2.48E-05	2.18E-06	7.60E-07	4.35E-06	5.19E-07	6.90E-07	2.28E-06	1.57E-07
4124	469334.85	3818652.34	8.09E-06	3.40E-05	3.06E-06	6.74E-06	2.50E-05	2.20E-06	7.64E-07	4.37E-06	5.22E-07	6.95E-07	2.29E-06	1.58E-07
4125	469338.69	3818643.53	8.14E-06	3.42E-05	3.08E-06	6.78E-06	2.51E-05	2.21E-06	7.69E-07	4.40E-06	5.25E-07	6.99E-07	2.30E-06	1.59E-07
4126	469342.53	3818634.73	8.18E-06	3.44E-05	3.09E-06	6.82E-06	2.53E-05	2.22E-06	7.73E-07	4.42E-06	5.28E-07	7.02E-07	2.32E-06	1.60E-07
4127	469346.37	3818625.93	8.23E-06	3.45E-05	3.11E-06	6.85E-06	2.54E-05	2.23E-06	7.77E-07	4.45E-06	5.31E-07	7.06E-07	2.33E-06	1.61E-07
4128	469350.21	3818617.12	8.26E-06	3.47E-05	3.13E-06	6.88E-06	2.55E-05	2.24E-06	7.80E-07	4.47E-06	5.33E-07	7.09E-07	2.34E-06	1.61E-07
4129	469354.05	3818608.32	8.30E-06	3.49E-05	3.14E-06	6.92E-06	2.56E-05	2.25E-06	7.84E-07	4.49E-06	5.36E-07	7.13E-07	2.35E-06	1.62E-07
4130	469357.89	3818599.52	8.35E-06	3.51E-05	3.16E-06	6.95E-06	2.58E-05	2.27E-06	7.88E-07	4.51E-06	5.38E-07	7.17E-07	2.36E-06	1.63E-07
4131	469361.73	3818590.72	8.38E-06	3.52E-05	3.17E-06	6.98E-06	2.59E-05	2.28E-06	7.92E-07	4.53E-06	5.41E-07	7.20E-07	2.37E-06	1.64E-07
4132	469365.56	3818581.91	8.41E-06	3.53E-05	3.18E-06	7.01E-06	2.60E-05	2.28E-06	7.95E-07	4.55E-06	5.43E-07	7.22E-07	2.38E-06	1.64E-07
4133	469369.4	3818573.11	8.44E-06	3.55E-05	3.19E-06	7.03E-06	2.61E-05	2.29E-06	7.97E-07	4.56E-06	5.45E-07	7.25E-07	2.39E-06	1.65E-07
4134	469373.24	3818564.31	8.48E-06	3.56E-05	3.21E-06	7.06E-06	2.62E-05	2.30E-06	8.00E-07	4.58E-06	5.47E-07	7.28E-07	2.40E-06	1.65E-07
4135	469377.08	3818555.5	8.52E-06	3.58E-05	3.22E-06	7.10E-06	2.63E-05	2.31E-06	8.05E-07	4.61E-06	5.50E-07	7.31E-07	2.41E-06	1.66E-07
4136	469380.92	3818546.7	8.56E-06	3.60E-05	3.24E-06	7.13E-06	2.64E-05	2.32E-06	8.09E-07	4.63E-06	5.52E-07	7.35E-07	2.42E-06	1.67E-07
4137	469384.76	3818537.9	8.61E-06	3.61E-05	3.25E-06	7.17E-06	2.66E-05	2.34E-06	8.13E-07	4.65E-06	5.55E-07	7.39E-07	2.44E-06	1.68E-07
4138	469388.6	3818529.09	8.64E-06	3.63E-05	3.27E-06	7.20E-06	2.67E-05	2.35E-06	8.16E-07	4.67E-06	5.58E-07	7.42E-07	2.45E-06	1.69E-07
4139	469392.44	3818520.29	8.68E-06	3.64E-05	3.28E-06	7.23E-06	2.68E-05	2.36E-06	8.20E-07	4.69E-06	5.60E-07	7.45E-07	2.46E-06	1.69E-07
4140	469396.28	3818511.49	8.71E-06	3.66E-05	3.29E-06	7.26E-06	2.69E-05	2.36E-06	8.23E-07	4.71E-06	5.62E-07	7.48E-07	2.47E-06	1.70E-07
4141	469409.05	3818499.15	8.93E-06	3.75E-05	3.38E-06	7.44E-06	2.76E-05	2.42E-06	8.43E-07	4.83E-06	5.76E-07	7.66E-07	2.53E-06	1.74E-07
4142	469417.97	3818495.61	9.10E-06	3.82E-05	3.44E-06	7.58E-06	2.81E-05	2.47E-06	8.59E-07	4.92E-06	5.87E-07	7.81E-07	2.57E-06	1.78E-07
4143	469426.9	3818492.08	9.26E-06	3.89E-05	3.50E-06	7.71E-06	2.86E-05	2.51E-06	8.74E-07	5.00E-06	5.97E-07	7.95E-07	2.62E-06	1.81E-07
4144	469435.83	3818488.54	9.41E-06	3.95E-05	3.56E-06	7.84E-06	2.91E-05	2.56E-06	8.89E-07	5.09E-06	6.07E-07	8.08E-07	2.66E-06	1.84E-07
4145	469444.76	3818485	9.57E-06	4.02E-05	3.62E-06	7.97E-06	2.95E-05	2.60E-06	9.04E-07	5.18E-06	6.17E-07	8.22E-07	2.71E-06	1.87E-07
4146	469453.69	3818481.47	9.74E-06	4.09E-05	3.68E-06	8.11E-06	3.00E-05	2.64E-06	9.19E-07	5.26E-06	6.28E-07	8.36E-07	2.76E-06	1.90E-07
4147	469462.62	3818477.93	9.90E-06	4.16E-05	3.74E-06	8.25E-06	3.06E-05	2.69E-06	9.35E-07	5.35E-06	6.39E-07	8.50E-07	2.80E-06	1.93E-07
4148	469471.55	3818474.4	1.01E-05	4.22E-05	3.80E-06	8.38E-06	3.10E-05	2.73E-06	9.50E-07	5.44E-06	6.49E-07	8.64E-07	2.85E-06	1.96E-07
4149	469480.48	3818470.86	1.02E-05	4.29E-05	3.86E-06	8.51E-06	3.15E-05	2.77E-06	9.65E-07	5.52E-06	6.59E-07	8.77E-07	2.89E-06	1.99E-07
4150	469507.26	3818460.25	1.06E-05	4.47E-05	4.02E-06	8.86E-06	3.28E-05	2.89E-06	1.00E-06	5.75E-06	6.86E-07	9.13E-07	3.01E-06	2.08E-07
4151	469516.19	3818456.71	1.08E-05	4.52E-05	4.07E-06	8.97E-06	3.32E-05	2.92E-06	1.02E-06	5.82E-06	6.95E-07	9.25E-07	3.05E-06	2.10E-07
4152	469525.12	3818453.18	1.09E-05	4.58E-05	4.12E-06	9.08E-06	3.36E-05	2.96E-06	1.03E-06	5.89E-06	7.03E-07	9.35E-07	3.08E-06	2.13E-07
4153	469534.05	3818449.64	1.10E-05	4.62E-05	4.16E-06	9.17E-06	3.40E-05	2.99E-06	1.04E-06	5.95E-06	7.10E-07	9.45E-07	3.12E-06	2.15E-07
4154	469542.98	3818446.1	1.11E-05	4.67E-05	4.21E-06	9.27E-06	3.43E-05	3.02E-06	1.05E-06	6.02E-06	7.18E-07	9.55E-07	3.15E-06	2.17E-07

4155	469551.91	3818442.57	1.12E-05	4.72E-05	4.25E-06	9.36E-06	3.47E-05	3.05E-06	1.06E-06	6.07E-06	7.25E-07	9.64E-07	3.18E-06	2.19E-07
4156	469560.83	3818439.03	1.13E-05	4.76E-05	4.29E-06	9.44E-06	3.50E-05	3.08E-06	1.07E-06	6.13E-06	7.31E-07	9.73E-07	3.21E-06	2.21E-07
4157	469569.76	3818435.5	1.14E-05	4.80E-05	4.33E-06	9.53E-06	3.53E-05	3.11E-06	1.08E-06	6.18E-06	7.38E-07	9.82E-07	3.24E-06	2.23E-07
4158	469659.05	3818400.13	1.25E-05	5.23E-05	4.71E-06	1.04E-05	3.85E-05	3.38E-06	1.18E-06	6.74E-06	8.04E-07	1.07E-06	3.53E-06	2.43E-07
4159	469667.98	3818396.6	1.26E-05	5.28E-05	4.75E-06	1.05E-05	3.88E-05	3.41E-06	1.19E-06	6.80E-06	8.11E-07	1.08E-06	3.56E-06	2.45E-07
4160	469676.91	3818393.06	1.27E-05	5.32E-05	4.79E-06	1.06E-05	3.91E-05	3.44E-06	1.20E-06	6.85E-06	8.17E-07	1.09E-06	3.59E-06	2.47E-07
4161	469712.62	3818378.91	1.31E-05	5.50E-05	4.95E-06	1.09E-05	4.04E-05	3.55E-06	1.24E-06	7.07E-06	8.44E-07	1.12E-06	3.70E-06	2.55E-07
4162	469721.55	3818375.38	1.32E-05	5.54E-05	4.99E-06	1.10E-05	4.07E-05	3.58E-06	1.25E-06	7.13E-06	8.51E-07	1.13E-06	3.73E-06	2.57E-07
4163	469730.48	3818371.84	1.33E-05	5.59E-05	5.03E-06	1.11E-05	4.10E-05	3.61E-06	1.26E-06	7.19E-06	8.58E-07	1.14E-06	3.77E-06	2.60E-07
4164	469739.41	3818368.3	1.34E-05	5.63E-05	5.07E-06	1.12E-05	4.14E-05	3.64E-06	1.27E-06	7.25E-06	8.64E-07	1.15E-06	3.79E-06	2.62E-07
4165	469748.34	3818364.77	1.35E-05	5.67E-05	5.11E-06	1.12E-05	4.17E-05	3.66E-06	1.27E-06	7.30E-06	8.71E-07	1.16E-06	3.82E-06	2.63E-07
4166	469757.27	3818361.23	1.36E-05	5.71E-05	5.14E-06	1.13E-05	4.20E-05	3.69E-06	1.28E-06	7.35E-06	8.77E-07	1.17E-06	3.85E-06	2.65E-07
4167	469766.2	3818357.7	1.37E-05	5.75E-05	5.18E-06	1.14E-05	4.22E-05	3.72E-06	1.29E-06	7.40E-06	8.83E-07	1.18E-06	3.88E-06	2.67E-07
4168	469775.13	3818354.16	1.38E-05	5.79E-05	5.21E-06	1.15E-05	4.25E-05	3.74E-06	1.30E-06	7.45E-06	8.89E-07	1.18E-06	3.90E-06	2.69E-07
4169	469784.05	3818350.62	1.39E-05	5.82E-05	5.25E-06	1.16E-05	4.28E-05	3.76E-06	1.31E-06	7.50E-06	8.95E-07	1.19E-06	3.93E-06	2.71E-07
4170	469792.98	3818347.09	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.32E-06	7.54E-06	8.99E-07	1.20E-06	3.95E-06	2.72E-07
4171	469801.91	3818343.55	1.40E-05	5.88E-05	5.30E-06	1.17E-05	4.32E-05	3.80E-06	1.32E-06	7.58E-06	9.04E-07	1.20E-06	3.97E-06	2.73E-07
4172	469810.84	3818340.01	1.41E-05	5.92E-05	5.33E-06	1.17E-05	4.35E-05	3.82E-06	1.33E-06	7.61E-06	9.09E-07	1.21E-06	3.99E-06	2.75E-07
4173	469819.77	3818336.48	1.41E-05	5.94E-05	5.35E-06	1.18E-05	4.37E-05	3.84E-06	1.34E-06	7.65E-06	9.13E-07	1.21E-06	4.00E-06	2.76E-07
4174	469828.7	3818332.94	1.42E-05	5.96E-05	5.37E-06	1.18E-05	4.38E-05	3.85E-06	1.34E-06	7.68E-06	9.16E-07	1.22E-06	4.02E-06	2.77E-07
4175	469837.63	3818329.4	1.43E-05	5.99E-05	5.39E-06	1.19E-05	4.40E-05	3.87E-06	1.35E-06	7.71E-06	9.19E-07	1.22E-06	4.03E-06	2.78E-07
4176	469846.56	3818325.87	1.43E-05	6.01E-05	5.41E-06	1.19E-05	4.41E-05	3.88E-06	1.35E-06	7.73E-06	9.22E-07	1.23E-06	4.05E-06	2.79E-07
4177	469855.48	3818322.33	1.43E-05	6.02E-05	5.42E-06	1.19E-05	4.43E-05	3.89E-06	1.35E-06	7.75E-06	9.25E-07	1.23E-06	4.06E-06	2.80E-07
4178	469864.41	3818318.8	1.44E-05	6.04E-05	5.44E-06	1.20E-05	4.44E-05	3.90E-06	1.36E-06	7.77E-06	9.27E-07	1.23E-06	4.07E-06	2.81E-07
4179	469873.34	3818315.26	1.44E-05	6.05E-05	5.45E-06	1.20E-05	4.45E-05	3.91E-06	1.36E-06	7.79E-06	9.30E-07	1.24E-06	4.08E-06	2.81E-07
4180	469882.27	3818311.72	1.44E-05	6.07E-05	5.46E-06	1.20E-05	4.46E-05	3.92E-06	1.36E-06	7.81E-06	9.32E-07	1.24E-06	4.09E-06	2.82E-07
4181	469891.2	3818308.19	1.45E-05	6.08E-05	5.48E-06	1.21E-05	4.47E-05	3.93E-06	1.37E-06	7.83E-06	9.34E-07	1.24E-06	4.10E-06	2.83E-07
4182	469900.13	3818304.65	1.45E-05	6.10E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.85E-06	9.36E-07	1.25E-06	4.11E-06	2.83E-07
4183	469909.06	3818301.11	1.46E-05	6.12E-05	5.51E-06	1.21E-05	4.49E-05	3.95E-06	1.38E-06	7.87E-06	9.39E-07	1.25E-06	4.12E-06	2.84E-07
4184	469917.99	3818297.58	1.46E-05	6.14E-05	5.53E-06	1.22E-05	4.51E-05	3.97E-06	1.38E-06	7.91E-06	9.43E-07	1.26E-06	4.14E-06	2.85E-07
4185	469926.92	3818294.04	1.47E-05	6.17E-05	5.56E-06	1.22E-05	4.54E-05	3.99E-06	1.39E-06	7.94E-06	9.48E-07	1.26E-06	4.16E-06	2.87E-07
4186	469935.84	3818290.51	1.48E-05	6.20E-05	5.58E-06	1.23E-05	4.56E-05	4.01E-06	1.39E-06	7.98E-06	9.52E-07	1.27E-06	4.18E-06	2.88E-07
4187	469944.77	3818286.97	1.48E-05	6.23E-05	5.61E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.02E-06	9.57E-07	1.27E-06	4.20E-06	2.89E-07
4188	469953.7	3818283.43	1.49E-05	6.26E-05	5.63E-06	1.24E-05	4.60E-05	4.04E-06	1.41E-06	8.05E-06	9.61E-07	1.28E-06	4.22E-06	2.91E-07
4189	469962.63	3818279.9	1.50E-05	6.29E-05	5.66E-06	1.25E-05	4.62E-05	4.07E-06	1.41E-06	8.10E-06	9.66E-07	1.29E-06	4.24E-06	2.92E-07
4190	469971.56	3818276.36	1.51E-05	6.33E-05	5.70E-06	1.25E-05	4.65E-05	4.09E-06	1.42E-06	8.14E-06	9.72E-07	1.29E-06	4.26E-06	2.94E-07
4191	469980.49	3818272.82	1.51E-05	6.36E-05	5.73E-06	1.26E-05	4.67E-05	4.11E-06	1.43E-06	8.19E-06	9.77E-07	1.30E-06	4.29E-06	2.96E-07
4192	469989.42	3818269.29	1.52E-05	6.40E-05	5.76E-06	1.27E-05	4.70E-05	4.14E-06	1.44E-06	8.24E-06	9.83E-07	1.31E-06	4.31E-06	2.97E-07
4193	469998.35	3818265.75	1.54E-05	6.45E-05	5.81E-06	1.28E-05	4.74E-05	4.17E-06	1.45E-06	8.31E-06	9.91E-07	1.32E-06	4.35E-06	3.00E-07
4194	470007.27	3818262.21	1.55E-05	6.50E-05	5.86E-06	1.29E-05	4.78E-05	4.20E-06	1.46E-06	8.37E-06	9.99E-07	1.33E-06	4.38E-06	3.02E-07
4195	470034.06	3818251.61	1.58E-05	6.64E-05	5.98E-06	1.32E-05	4.88E-05	4.29E-06	1.49E-06	8.55E-06	1.02E-06	1.36E-06	4.47E-06	3.08E-07
4196	470042.99	3818248.07	1.59E-05	6.68E-05	6.01E-06	1.32E-05	4.91E-05	4.32E-06	1.50E-06	8.59E-06	1.03E-06	1.36E-06	4.50E-06	3.10E-07

4197	470051.92	3818244.53	1.60E-05	6.71E-05	6.04E-06	1.33E-05	4.93E-05	4.34E-06	1.51E-06	8.64E-06	1.03E-06	1.37E-06	4.52E-06	3.12E-07
4198	470060.85	3818241	1.60E-05	6.74E-05	6.07E-06	1.34E-05	4.95E-05	4.36E-06	1.52E-06	8.68E-06	1.04E-06	1.38E-06	4.54E-06	3.13E-07
4199	470069.78	3818237.46	1.61E-05	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
4200	470078.7	3818233.92	1.61E-05	6.77E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.71E-06	1.04E-06	1.38E-06	4.56E-06	3.14E-07
4201	470087.63	3818230.39	1.61E-05	6.77E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.71E-06	1.04E-06	1.38E-06	4.56E-06	3.14E-07
4202	470096.56	3818226.85	1.61E-05	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
4203	470105.49	3818223.31	1.60E-05	6.74E-05	6.07E-06	1.34E-05	4.95E-05	4.36E-06	1.52E-06	8.68E-06	1.04E-06	1.38E-06	4.54E-06	3.13E-07
4204	470114.42	3818219.78	1.60E-05	6.71E-05	6.05E-06	1.33E-05	4.93E-05	4.34E-06	1.51E-06	8.64E-06	1.03E-06	1.37E-06	4.52E-06	3.12E-07
4205	469078.55	3819055.02	3.64E-06	1.53E-05	1.38E-06	3.03E-06	1.12E-05	9.87E-07	3.43E-07	1.97E-06	2.35E-07	3.12E-07	1.03E-06	7.10E-08
4206	469082.41	3819046.19	3.65E-06	1.53E-05	1.38E-06	3.04E-06	1.13E-05	9.91E-07	3.45E-07	1.97E-06	2.36E-07	3.13E-07	1.03E-06	7.12E-08
4207	469086.26	3819037.35	3.68E-06	1.55E-05	1.39E-06	3.07E-06	1.14E-05	9.99E-07	3.48E-07	1.99E-06	2.37E-07	3.16E-07	1.04E-06	7.18E-08
4208	469090.12	3819028.51	3.70E-06	1.56E-05	1.40E-06	3.09E-06	1.14E-05	1.01E-06	3.50E-07	2.00E-06	2.39E-07	3.18E-07	1.05E-06	7.23E-08
4209	469093.97	3819019.67	3.74E-06	1.57E-05	1.42E-06	3.12E-06	1.15E-05	1.02E-06	3.53E-07	2.02E-06	2.41E-07	3.21E-07	1.06E-06	7.30E-08
4210	469097.83	3819010.83	3.78E-06	1.59E-05	1.43E-06	3.15E-06	1.17E-05	1.03E-06	3.57E-07	2.04E-06	2.44E-07	3.24E-07	1.07E-06	7.37E-08
4211	469101.68	3819001.99	3.81E-06	1.60E-05	1.44E-06	3.18E-06	1.18E-05	1.04E-06	3.60E-07	2.06E-06	2.46E-07	3.27E-07	1.08E-06	7.44E-08
4212	469105.54	3818993.15	3.85E-06	1.62E-05	1.46E-06	3.21E-06	1.19E-05	1.05E-06	3.64E-07	2.08E-06	2.49E-07	3.31E-07	1.09E-06	7.52E-08
4213	469109.39	3818984.32	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.59E-08
4214	469113.24	3818975.48	3.94E-06	1.65E-05	1.49E-06	3.28E-06	1.22E-05	1.07E-06	3.72E-07	2.13E-06	2.54E-07	3.38E-07	1.12E-06	7.69E-08
4215	469117.1	3818966.64	3.99E-06	1.68E-05	1.51E-06	3.33E-06	1.23E-05	1.08E-06	3.77E-07	2.16E-06	2.58E-07	3.43E-07	1.13E-06	7.79E-08
4216	469120.95	3818957.8	4.05E-06	1.70E-05	1.53E-06	3.37E-06	1.25E-05	1.10E-06	3.82E-07	2.19E-06	2.61E-07	3.47E-07	1.15E-06	7.89E-08
4217	469124.81	3818948.96	4.10E-06	1.72E-05	1.55E-06	3.42E-06	1.27E-05	1.11E-06	3.87E-07	2.22E-06	2.65E-07	3.52E-07	1.16E-06	8.01E-08
4218	469128.66	3818940.12	4.16E-06	1.75E-05	1.57E-06	3.47E-06	1.28E-05	1.13E-06	3.93E-07	2.25E-06	2.68E-07	3.57E-07	1.18E-06	8.12E-08
4219	469132.52	3818931.28	4.23E-06	1.78E-05	1.60E-06	3.52E-06	1.30E-05	1.15E-06	3.99E-07	2.29E-06	2.73E-07	3.63E-07	1.20E-06	8.25E-08
4220	469136.37	3818922.45	4.30E-06	1.80E-05	1.62E-06	3.58E-06	1.33E-05	1.17E-06	4.06E-07	2.32E-06	2.77E-07	3.69E-07	1.22E-06	8.38E-08
4221	469140.23	3818913.61	4.37E-06	1.83E-05	1.65E-06	3.64E-06	1.35E-05	1.19E-06	4.12E-07	2.36E-06	2.82E-07	3.75E-07	1.24E-06	8.52E-08
4222	469144.08	3818904.77	4.44E-06	1.86E-05	1.68E-06	3.70E-06	1.37E-05	1.21E-06	4.19E-07	2.40E-06	2.86E-07	3.81E-07	1.26E-06	8.66E-08
4223	469147.94	3818895.93	4.52E-06	1.90E-05	1.71E-06	3.76E-06	1.39E-05	1.23E-06	4.27E-07	2.44E-06	2.91E-07	3.88E-07	1.28E-06	8.81E-08
4224	469151.79	3818887.09	4.59E-06	1.93E-05	1.74E-06	3.82E-06	1.42E-05	1.25E-06	4.33E-07	2.48E-06	2.96E-07	3.94E-07	1.30E-06	8.95E-08
4225	469155.65	3818878.25	4.67E-06	1.96E-05	1.76E-06	3.89E-06	1.44E-05	1.27E-06	4.41E-07	2.52E-06	3.01E-07	4.01E-07	1.32E-06	9.10E-08
4226	469159.5	3818869.41	4.75E-06	1.99E-05	1.80E-06	3.95E-06	1.47E-05	1.29E-06	4.48E-07	2.57E-06	3.06E-07	4.08E-07	1.34E-06	9.26E-08
4227	469163.35	3818860.58	4.83E-06	2.03E-05	1.83E-06	4.03E-06	1.49E-05	1.31E-06	4.57E-07	2.61E-06	3.12E-07	4.15E-07	1.37E-06	9.43E-08
4228	469167.21	3818851.74	4.93E-06	2.07E-05	1.86E-06	4.10E-06	1.52E-05	1.34E-06	4.65E-07	2.66E-06	3.18E-07	4.23E-07	1.39E-06	9.61E-08
4229	469171.06	3818842.9	5.02E-06	2.11E-05	1.90E-06	4.18E-06	1.55E-05	1.36E-06	4.74E-07	2.72E-06	3.24E-07	4.31E-07	1.42E-06	9.80E-08
4230	469174.92	3818834.06	5.12E-06	2.15E-05	1.94E-06	4.26E-06	1.58E-05	1.39E-06	4.83E-07	2.77E-06	3.30E-07	4.39E-07	1.45E-06	9.99E-08
4231	469178.77	3818825.22	5.21E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.42E-06	4.92E-07	2.82E-06	3.36E-07	4.48E-07	1.48E-06	1.02E-07
4232	469182.63	3818816.38	5.31E-06	2.23E-05	2.01E-06	4.42E-06	1.64E-05	1.44E-06	5.02E-07	2.87E-06	3.43E-07	4.56E-07	1.50E-06	1.04E-07
4233	469186.48	3818807.54	5.41E-06	2.27E-05	2.05E-06	4.51E-06	1.67E-05	1.47E-06	5.11E-07	2.93E-06	3.49E-07	4.65E-07	1.53E-06	1.06E-07
4234	469190.34	3818798.7	5.51E-06	2.32E-05	2.08E-06	4.59E-06	1.70E-05	1.50E-06	5.21E-07	2.98E-06	3.56E-07	4.73E-07	1.56E-06	1.08E-07
4235	469194.19	3818789.87	5.61E-06	2.36E-05	2.12E-06	4.67E-06	1.73E-05	1.52E-06	5.30E-07	3.03E-06	3.62E-07	4.82E-07	1.59E-06	1.09E-07
4236	469198.05	3818781.03	5.71E-06	2.40E-05	2.16E-06	4.75E-06	1.76E-05	1.55E-06	5.39E-07	3.08E-06	3.68E-07	4.90E-07	1.61E-06	1.11E-07
4237	469201.9	3818772.19	5.80E-06	2.44E-05	2.19E-06	4.83E-06	1.79E-05	1.57E-06	5.48E-07	3.14E-06	3.74E-07	4.98E-07	1.64E-06	1.13E-07
4238	469205.76	3818763.35	5.89E-06	2.47E-05	2.23E-06	4.91E-06	1.82E-05	1.60E-06	5.56E-07	3.19E-06	3.80E-07	5.06E-07	1.67E-06	1.15E-07

4239	469209.61	3818754.51	5.98E-06	2.51E-05	2.26E-06	4.98E-06	1.85E-05	1.62E-06	5.65E-07	3.24E-06	3.86E-07	5.14E-07	1.69E-06	1.17E-07
4240	469213.46	3818745.67	6.08E-06	2.55E-05	2.30E-06	5.06E-06	1.87E-05	1.65E-06	5.74E-07	3.28E-06	3.92E-07	5.22E-07	1.72E-06	1.19E-07
4241	469217.32	3818736.83	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.82E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
4242	469221.17	3818728	6.25E-06	2.62E-05	2.36E-06	5.21E-06	1.93E-05	1.70E-06	5.90E-07	3.38E-06	4.03E-07	5.36E-07	1.77E-06	1.22E-07
4243	469225.03	3818719.16	6.33E-06	2.66E-05	2.39E-06	5.27E-06	1.95E-05	1.72E-06	5.97E-07	3.42E-06	4.08E-07	5.43E-07	1.79E-06	1.23E-07
4244	469228.88	3818710.32	6.41E-06	2.69E-05	2.42E-06	5.34E-06	1.98E-05	1.74E-06	6.05E-07	3.46E-06	4.13E-07	5.50E-07	1.81E-06	1.25E-07
4245	469232.74	3818701.48	6.48E-06	2.72E-05	2.45E-06	5.40E-06	2.00E-05	1.76E-06	6.12E-07	3.50E-06	4.18E-07	5.56E-07	1.83E-06	1.26E-07
4246	469236.59	3818692.64	6.55E-06	2.75E-05	2.48E-06	5.45E-06	2.02E-05	1.78E-06	6.18E-07	3.54E-06	4.22E-07	5.62E-07	1.85E-06	1.28E-07
4247	469240.45	3818683.8	6.61E-06	2.78E-05	2.50E-06	5.51E-06	2.04E-05	1.80E-06	6.25E-07	3.58E-06	4.27E-07	5.68E-07	1.87E-06	1.29E-07
4248	469244.3	3818674.96	6.67E-06	2.80E-05	2.52E-06	5.56E-06	2.06E-05	1.81E-06	6.30E-07	3.61E-06	4.30E-07	5.73E-07	1.89E-06	1.30E-07
4249	469248.16	3818666.13	6.73E-06	2.83E-05	2.55E-06	5.61E-06	2.08E-05	1.83E-06	6.36E-07	3.64E-06	4.34E-07	5.78E-07	1.91E-06	1.31E-07
4250	469252.01	3818657.29	6.78E-06	2.85E-05	2.56E-06	5.65E-06	2.09E-05	1.84E-06	6.40E-07	3.66E-06	4.37E-07	5.82E-07	1.92E-06	1.32E-07
4251	469255.87	3818648.45	6.83E-06	2.87E-05	2.58E-06	5.69E-06	2.11E-05	1.85E-06	6.45E-07	3.69E-06	4.40E-07	5.86E-07	1.93E-06	1.33E-07
4252	469278.99	3818595.42	7.04E-06	2.96E-05	2.66E-06	5.87E-06	2.17E-05	1.91E-06	6.65E-07	3.81E-06	4.54E-07	6.05E-07	1.99E-06	1.37E-07
4253	469282.85	3818586.58	7.08E-06	2.97E-05	2.68E-06	5.89E-06	2.18E-05	1.92E-06	6.68E-07	3.83E-06	4.56E-07	6.07E-07	2.00E-06	1.38E-07
4254	469286.7	3818577.74	7.11E-06	2.98E-05	2.69E-06	5.92E-06	2.19E-05	1.93E-06	6.71E-07	3.84E-06	4.58E-07	6.10E-07	2.01E-06	1.39E-07
4255	469290.56	3818568.9	7.13E-06	3.00E-05	2.70E-06	5.94E-06	2.20E-05	1.94E-06	6.74E-07	3.86E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
4256	469294.41	3818560.06	7.15E-06	3.00E-05	2.71E-06	5.96E-06	2.21E-05	1.94E-06	6.75E-07	3.87E-06	4.61E-07	6.14E-07	2.02E-06	1.40E-07
4257	469298.27	3818551.22	7.17E-06	3.01E-05	2.71E-06	5.97E-06	2.21E-05	1.95E-06	6.77E-07	3.88E-06	4.63E-07	6.16E-07	2.03E-06	1.40E-07
4258	469302.12	3818542.39	7.20E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.80E-07	3.89E-06	4.64E-07	6.18E-07	2.04E-06	1.40E-07
4259	469305.98	3818533.55	7.22E-06	3.03E-05	2.73E-06	6.01E-06	2.23E-05	1.96E-06	6.82E-07	3.90E-06	4.66E-07	6.20E-07	2.04E-06	1.41E-07
4260	469309.83	3818524.71	7.25E-06	3.05E-05	2.74E-06	6.04E-06	2.24E-05	1.97E-06	6.85E-07	3.92E-06	4.68E-07	6.23E-07	2.05E-06	1.42E-07
4261	469313.68	3818515.87	7.28E-06	3.06E-05	2.75E-06	6.07E-06	2.25E-05	1.98E-06	6.88E-07	3.94E-06	4.70E-07	6.25E-07	2.06E-06	1.42E-07
4262	469317.54	3818507.03	7.31E-06	3.07E-05	2.77E-06	6.09E-06	2.26E-05	1.98E-06	6.90E-07	3.95E-06	4.72E-07	6.28E-07	2.07E-06	1.43E-07
4263	469321.39	3818498.19	7.35E-06	3.08E-05	2.78E-06	6.12E-06	2.27E-05	1.99E-06	6.94E-07	3.97E-06	4.74E-07	6.31E-07	2.08E-06	1.43E-07
4264	469325.25	3818489.35	7.38E-06	3.10E-05	2.79E-06	6.15E-06	2.28E-05	2.00E-06	6.97E-07	3.99E-06	4.76E-07	6.34E-07	2.09E-06	1.44E-07
4265	469329.1	3818480.51	7.42E-06	3.12E-05	2.81E-06	6.18E-06	2.29E-05	2.01E-06	7.01E-07	4.01E-06	4.79E-07	6.37E-07	2.10E-06	1.45E-07
4266	469332.96	3818471.68	7.46E-06	3.13E-05	2.82E-06	6.21E-06	2.30E-05	2.02E-06	7.04E-07	4.03E-06	4.81E-07	6.40E-07	2.11E-06	1.45E-07
4267	469336.81	3818462.84	7.48E-06	3.14E-05	2.83E-06	6.23E-06	2.31E-05	2.03E-06	7.06E-07	4.04E-06	4.82E-07	6.42E-07	2.12E-06	1.46E-07
4268	469340.67	3818454	7.51E-06	3.15E-05	2.84E-06	6.25E-06	2.32E-05	2.04E-06	7.09E-07	4.06E-06	4.84E-07	6.45E-07	2.13E-06	1.47E-07
4269	469353.49	3818441.61	7.68E-06	3.22E-05	2.90E-06	6.40E-06	2.37E-05	2.08E-06	7.25E-07	4.15E-06	4.95E-07	6.59E-07	2.17E-06	1.50E-07
4270	469362.45	3818438.06	7.82E-06	3.28E-05	2.96E-06	6.51E-06	2.41E-05	2.12E-06	7.38E-07	4.23E-06	5.04E-07	6.71E-07	2.21E-06	1.53E-07
4271	469371.42	3818434.51	7.96E-06	3.34E-05	3.01E-06	6.63E-06	2.46E-05	2.16E-06	7.52E-07	4.30E-06	5.14E-07	6.83E-07	2.25E-06	1.55E-07
4272	469380.38	3818430.96	8.10E-06	3.40E-05	3.06E-06	6.75E-06	2.50E-05	2.20E-06	7.65E-07	4.38E-06	5.23E-07	6.95E-07	2.29E-06	1.58E-07
4273	469389.35	3818427.41	8.24E-06	3.46E-05	3.12E-06	6.86E-06	2.54E-05	2.24E-06	7.78E-07	4.45E-06	5.32E-07	7.07E-07	2.33E-06	1.61E-07
4274	469470.03	3818395.45	9.34E-06	3.92E-05	3.53E-06	7.78E-06	2.88E-05	2.53E-06	8.82E-07	5.05E-06	6.02E-07	8.02E-07	2.64E-06	1.82E-07
4275	469479	3818391.9	9.44E-06	3.97E-05	3.57E-06	7.87E-06	2.91E-05	2.56E-06	8.92E-07	5.11E-06	6.09E-07	8.11E-07	2.67E-06	1.84E-07
4276	469487.96	3818388.35	9.53E-06	4.00E-05	3.61E-06	7.94E-06	2.94E-05	2.59E-06	9.00E-07	5.15E-06	6.15E-07	8.19E-07	2.70E-06	1.86E-07
4277	469496.93	3818384.8	9.62E-06	4.04E-05	3.64E-06	8.01E-06	2.97E-05	2.61E-06	9.09E-07	5.20E-06	6.21E-07	8.26E-07	2.72E-06	1.88E-07
4278	469505.89	3818381.25	9.71E-06	4.08E-05	3.67E-06	8.09E-06	3.00E-05	2.64E-06	9.17E-07	5.25E-06	6.26E-07	8.33E-07	2.75E-06	1.89E-07
4279	469514.86	3818377.7	9.78E-06	4.11E-05	3.70E-06	8.15E-06	3.02E-05	2.66E-06	9.24E-07	5.29E-06	6.31E-07	8.40E-07	2.77E-06	1.91E-07
4280	469523.82	3818374.15	9.87E-06	4.14E-05	3.73E-06	8.22E-06	3.04E-05	2.68E-06	9.32E-07	5.33E-06	6.36E-07	8.47E-07	2.79E-06	1.93E-07

4281	469532.79	3818370.6	9.94E-06	4.17E-05	3.76E-06	8.28E-06	3.07E-05	2.70E-06	9.39E-07	5.37E-06	6.41E-07	8.53E-07	2.81E-06	1.94E-07
4282	469541.75	3818367.04	1.00E-05	4.21E-05	3.79E-06	8.34E-06	3.09E-05	2.72E-06	9.46E-07	5.41E-06	6.46E-07	8.60E-07	2.84E-06	1.95E-07
4283	469550.72	3818363.49	1.01E-05	4.24E-05	3.82E-06	8.41E-06	3.11E-05	2.74E-06	9.53E-07	5.46E-06	6.51E-07	8.66E-07	2.86E-06	1.97E-07
4284	469559.68	3818359.94	1.02E-05	4.27E-05	3.84E-06	8.47E-06	3.14E-05	2.76E-06	9.60E-07	5.50E-06	6.56E-07	8.73E-07	2.88E-06	1.98E-07
4285	469568.65	3818356.39	1.02E-05	4.30E-05	3.87E-06	8.52E-06	3.16E-05	2.78E-06	9.66E-07	5.53E-06	6.60E-07	8.78E-07	2.90E-06	2.00E-07
4286	469577.61	3818352.84	1.03E-05	4.33E-05	3.90E-06	8.60E-06	3.18E-05	2.80E-06	9.74E-07	5.58E-06	6.66E-07	8.86E-07	2.92E-06	2.01E-07
4287	469586.58	3818349.29	1.04E-05	4.37E-05	3.93E-06	8.66E-06	3.21E-05	2.82E-06	9.82E-07	5.62E-06	6.71E-07	8.93E-07	2.94E-06	2.03E-07
4288	469595.54	3818345.74	1.05E-05	4.40E-05	3.97E-06	8.74E-06	3.24E-05	2.85E-06	9.90E-07	5.67E-06	6.76E-07	9.00E-07	2.97E-06	2.05E-07
4289	469604.51	3818342.19	1.06E-05	4.44E-05	4.00E-06	8.80E-06	3.26E-05	2.87E-06	9.98E-07	5.71E-06	6.81E-07	9.07E-07	2.99E-06	2.06E-07
4290	469613.47	3818338.64	1.07E-05	4.47E-05	4.03E-06	8.87E-06	3.29E-05	2.89E-06	1.01E-06	5.76E-06	6.87E-07	9.14E-07	3.01E-06	2.08E-07
4291	469622.44	3818335.09	1.07E-05	4.51E-05	4.06E-06	8.94E-06	3.31E-05	2.91E-06	1.01E-06	5.80E-06	6.93E-07	9.22E-07	3.04E-06	2.10E-07
4292	469631.4	3818331.54	1.08E-05	4.55E-05	4.10E-06	9.02E-06	3.34E-05	2.94E-06	1.02E-06	5.86E-06	6.99E-07	9.30E-07	3.07E-06	2.11E-07
4293	469640.37	3818327.99	1.09E-05	4.58E-05	4.13E-06	9.09E-06	3.37E-05	2.96E-06	1.03E-06	5.90E-06	7.04E-07	9.37E-07	3.09E-06	2.13E-07
4294	469649.33	3818324.44	1.10E-05	4.62E-05	4.16E-06	9.16E-06	3.39E-05	2.99E-06	1.04E-06	5.95E-06	7.10E-07	9.44E-07	3.11E-06	2.15E-07
4295	469658.3	3818320.89	1.11E-05	4.66E-05	4.20E-06	9.24E-06	3.42E-05	3.01E-06	1.05E-06	6.00E-06	7.16E-07	9.52E-07	3.14E-06	2.16E-07
4296	469667.26	3818317.34	1.12E-05	4.70E-05	4.23E-06	9.31E-06	3.45E-05	3.03E-06	1.06E-06	6.04E-06	7.21E-07	9.60E-07	3.16E-06	2.18E-07
4297	469676.23	3818313.78	1.13E-05	4.73E-05	4.26E-06	9.38E-06	3.48E-05	3.06E-06	1.06E-06	6.09E-06	7.27E-07	9.67E-07	3.19E-06	2.20E-07
4298	469712.09	3818299.58	1.16E-05	4.88E-05	4.39E-06	9.68E-06	3.58E-05	3.15E-06	1.10E-06	6.28E-06	7.49E-07	9.97E-07	3.29E-06	2.27E-07
4299	469721.05	3818296.03	1.17E-05	4.91E-05	4.42E-06	9.74E-06	3.61E-05	3.18E-06	1.10E-06	6.32E-06	7.55E-07	1.00E-06	3.31E-06	2.28E-07
4300	469730.02	3818292.48	1.18E-05	4.95E-05	4.46E-06	9.82E-06	3.64E-05	3.20E-06	1.11E-06	6.37E-06	7.60E-07	1.01E-06	3.34E-06	2.30E-07
4301	469738.98	3818288.93	1.19E-05	4.98E-05	4.49E-06	9.89E-06	3.66E-05	3.22E-06	1.12E-06	6.42E-06	7.65E-07	1.02E-06	3.36E-06	2.32E-07
4302	469747.95	3818285.38	1.19E-05	5.02E-05	4.52E-06	9.95E-06	3.69E-05	3.24E-06	1.13E-06	6.46E-06	7.71E-07	1.03E-06	3.38E-06	2.33E-07
4303	469756.91	3818281.83	1.20E-05	5.05E-05	4.54E-06	1.00E-05	3.71E-05	3.26E-06	1.13E-06	6.50E-06	7.75E-07	1.03E-06	3.40E-06	2.34E-07
4304	469765.88	3818278.28	1.21E-05	5.07E-05	4.57E-06	1.01E-05	3.73E-05	3.28E-06	1.14E-06	6.53E-06	7.79E-07	1.04E-06	3.42E-06	2.36E-07
4305	469774.84	3818274.73	1.21E-05	5.10E-05	4.59E-06	1.01E-05	3.75E-05	3.29E-06	1.15E-06	6.56E-06	7.83E-07	1.04E-06	3.44E-06	2.37E-07
4306	469783.81	3818271.18	1.22E-05	5.12E-05	4.61E-06	1.02E-05	3.76E-05	3.31E-06	1.15E-06	6.59E-06	7.87E-07	1.05E-06	3.45E-06	2.38E-07
4307	469792.77	3818267.63	1.22E-05	5.14E-05	4.63E-06	1.02E-05	3.78E-05	3.32E-06	1.16E-06	6.62E-06	7.90E-07	1.05E-06	3.47E-06	2.39E-07
4308	469801.74	3818264.07	1.23E-05	5.16E-05	4.65E-06	1.02E-05	3.79E-05	3.34E-06	1.16E-06	6.64E-06	7.92E-07	1.05E-06	3.48E-06	2.40E-07
4309	469810.7	3818260.52	1.23E-05	5.18E-05	4.66E-06	1.03E-05	3.80E-05	3.35E-06	1.16E-06	6.67E-06	7.95E-07	1.06E-06	3.49E-06	2.41E-07
4310	469819.67	3818256.97	1.24E-05	5.19E-05	4.68E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.68E-06	7.97E-07	1.06E-06	3.50E-06	2.41E-07
4311	469828.63	3818253.42	1.24E-05	5.21E-05	4.69E-06	1.03E-05	3.83E-05	3.37E-06	1.17E-06	6.70E-06	8.00E-07	1.06E-06	3.51E-06	2.42E-07
4312	469837.6	3818249.87	1.24E-05	5.22E-05	4.70E-06	1.04E-05	3.84E-05	3.37E-06	1.17E-06	6.72E-06	8.02E-07	1.07E-06	3.52E-06	2.43E-07
4313	469846.56	3818246.32	1.25E-05	5.23E-05	4.71E-06	1.04E-05	3.84E-05	3.38E-06	1.18E-06	6.73E-06	8.03E-07	1.07E-06	3.53E-06	2.43E-07
4314	469855.53	3818242.77	1.25E-05	5.24E-05	4.72E-06	1.04E-05	3.85E-05	3.39E-06	1.18E-06	6.75E-06	8.05E-07	1.07E-06	3.53E-06	2.44E-07
4315	469864.49	3818239.22	1.25E-05	5.25E-05	4.73E-06	1.04E-05	3.86E-05	3.40E-06	1.18E-06	6.76E-06	8.07E-07	1.07E-06	3.54E-06	2.44E-07
4316	469873.46	3818235.67	1.25E-05	5.26E-05	4.74E-06	1.04E-05	3.87E-05	3.40E-06	1.18E-06	6.78E-06	8.09E-07	1.08E-06	3.55E-06	2.45E-07
4317	469882.42	3818232.12	1.26E-05	5.28E-05	4.75E-06	1.05E-05	3.88E-05	3.41E-06	1.19E-06	6.80E-06	8.11E-07	1.08E-06	3.56E-06	2.45E-07
4318	469891.39	3818228.57	1.26E-05	5.30E-05	4.77E-06	1.05E-05	3.89E-05	3.42E-06	1.19E-06	6.82E-06	8.13E-07	1.08E-06	3.57E-06	2.46E-07
4319	469900.35	3818225.02	1.27E-05	5.32E-05	4.79E-06	1.05E-05	3.91E-05	3.44E-06	1.20E-06	6.84E-06	8.16E-07	1.09E-06	3.58E-06	2.47E-07
4320	469909.32	3818221.47	1.27E-05	5.34E-05	4.81E-06	1.06E-05	3.92E-05	3.45E-06	1.20E-06	6.87E-06	8.20E-07	1.09E-06	3.60E-06	2.48E-07
4321	469918.28	3818217.92	1.28E-05	5.37E-05	4.83E-06	1.06E-05	3.94E-05	3.47E-06	1.21E-06	6.91E-06	8.24E-07	1.10E-06	3.62E-06	2.49E-07
4322	469927.25	3818214.36	1.28E-05	5.39E-05	4.86E-06	1.07E-05	3.96E-05	3.49E-06	1.21E-06	6.94E-06	8.28E-07	1.10E-06	3.63E-06	2.51E-07

4323	469936.21	3818210.81	1.29E-05	5.42E-05	4.88E-06	1.07E-05	3.98E-05	3.50E-06	1.22E-06	6.97E-06	8.32E-07	1.11E-06	3.65E-06	2.52E-07
4324	469945.18	3818207.26	1.30E-05	5.44E-05	4.90E-06	1.08E-05	4.00E-05	3.52E-06	1.22E-06	7.01E-06	8.36E-07	1.11E-06	3.67E-06	2.53E-07
4325	469954.14	3818203.71	1.30E-05	5.47E-05	4.93E-06	1.09E-05	4.02E-05	3.54E-06	1.23E-06	7.05E-06	8.41E-07	1.12E-06	3.69E-06	2.54E-07
4326	469963.11	3818200.16	1.31E-05	5.51E-05	4.96E-06	1.09E-05	4.05E-05	3.56E-06	1.24E-06	7.10E-06	8.47E-07	1.13E-06	3.72E-06	2.56E-07
4327	469972.07	3818196.61	1.32E-05	5.56E-05	5.00E-06	1.10E-05	4.08E-05	3.59E-06	1.25E-06	7.15E-06	8.54E-07	1.14E-06	3.75E-06	2.58E-07
4328	469981.04	3818193.06	1.33E-05	5.60E-05	5.04E-06	1.11E-05	4.11E-05	3.62E-06	1.26E-06	7.21E-06	8.60E-07	1.14E-06	3.77E-06	2.60E-07
4329	469990	3818189.51	1.34E-05	5.64E-05	5.08E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.26E-06	8.67E-07	1.15E-06	3.80E-06	2.62E-07
4330	469998.97	3818185.96	1.35E-05	5.68E-05	5.12E-06	1.13E-05	4.18E-05	3.67E-06	1.28E-06	7.32E-06	8.73E-07	1.16E-06	3.83E-06	2.64E-07
4331	470007.93	3818182.41	1.36E-05	5.73E-05	5.16E-06	1.14E-05	4.21E-05	3.70E-06	1.29E-06	7.37E-06	8.80E-07	1.17E-06	3.86E-06	2.66E-07
4332	470043.79	3818168.21	1.40E-05	5.86E-05	5.28E-06	1.16E-05	4.31E-05	3.79E-06	1.32E-06	7.55E-06	9.01E-07	1.20E-06	3.95E-06	2.72E-07
4333	470052.76	3818164.66	1.40E-05	5.89E-05	5.30E-06	1.17E-05	4.33E-05	3.81E-06	1.32E-06	7.58E-06	9.04E-07	1.20E-06	3.97E-06	2.74E-07
4334	470061.72	3818161.1	1.41E-05	5.90E-05	5.32E-06	1.17E-05	4.34E-05	3.82E-06	1.33E-06	7.60E-06	9.07E-07	1.21E-06	3.98E-06	2.74E-07
4335	470070.69	3818157.55	1.41E-05	5.91E-05	5.32E-06	1.17E-05	4.34E-05	3.82E-06	1.33E-06	7.61E-06	9.08E-07	1.21E-06	3.98E-06	2.75E-07
4336	470079.65	3818154	1.41E-05	5.91E-05	5.32E-06	1.17E-05	4.34E-05	3.82E-06	1.33E-06	7.60E-06	9.07E-07	1.21E-06	3.98E-06	2.74E-07
4337	470088.62	3818150.45	1.37E-05	5.76E-05	5.19E-06	1.14E-05	4.24E-05	3.73E-06	1.30E-06	7.42E-06	8.85E-07	1.18E-06	3.88E-06	2.68E-07
4338	470097.58	3818146.9	1.37E-05	5.75E-05	5.18E-06	1.14E-05	4.22E-05	3.72E-06	1.29E-06	7.40E-06	8.83E-07	1.18E-06	3.88E-06	2.67E-07
4339	470106.55	3818143.35	1.36E-05	5.73E-05	5.16E-06	1.14E-05	4.21E-05	3.70E-06	1.29E-06	7.38E-06	8.80E-07	1.17E-06	3.86E-06	2.66E-07
4340	470115.51	3818139.8	1.36E-05	5.70E-05	5.14E-06	1.13E-05	4.19E-05	3.69E-06	1.28E-06	7.34E-06	8.76E-07	1.17E-06	3.84E-06	2.65E-07
4341	469008.78	3819233.42	3.94E-06	1.66E-05	1.49E-06	3.29E-06	1.22E-05	1.07E-06	3.73E-07	2.13E-06	2.54E-07	3.39E-07	1.12E-06	7.70E-08
4342	469008.59	3819243.06	4.02E-06	1.69E-05	1.52E-06	3.35E-06	1.24E-05	1.09E-06	3.79E-07	2.17E-06	2.59E-07	3.45E-07	1.14E-06	7.84E-08
4343	469008.4	3819252.71	4.08E-06	1.72E-05	1.54E-06	3.40E-06	1.26E-05	1.11E-06	3.86E-07	2.21E-06	2.63E-07	3.51E-07	1.16E-06	7.97E-08
4344	469008.2	3819262.36	4.15E-06	1.74E-05	1.57E-06	3.46E-06	1.28E-05	1.13E-06	3.92E-07	2.24E-06	2.68E-07	3.56E-07	1.18E-06	8.10E-08
4345	469008.01	3819272.01	4.21E-06	1.77E-05	1.59E-06	3.51E-06	1.30E-05	1.14E-06	3.98E-07	2.28E-06	2.72E-07	3.62E-07	1.19E-06	8.22E-08
4346	469007.82	3819281.66	4.28E-06	1.80E-05	1.62E-06	3.57E-06	1.32E-05	1.16E-06	4.04E-07	2.31E-06	2.76E-07	3.68E-07	1.21E-06	8.35E-08
4347	469007.62	3819291.3	4.34E-06	1.82E-05	1.64E-06	3.62E-06	1.34E-05	1.18E-06	4.10E-07	2.35E-06	2.80E-07	3.73E-07	1.23E-06	8.48E-08
4348	469007.43	3819300.95	4.41E-06	1.85E-05	1.67E-06	3.67E-06	1.36E-05	1.20E-06	4.16E-07	2.38E-06	2.84E-07	3.78E-07	1.25E-06	8.60E-08
4349	469007.24	3819310.6	4.46E-06	1.87E-05	1.69E-06	3.72E-06	1.38E-05	1.21E-06	4.22E-07	2.41E-06	2.88E-07	3.83E-07	1.26E-06	8.71E-08
4350	469007.05	3819320.25	4.52E-06	1.90E-05	1.71E-06	3.77E-06	1.40E-05	1.23E-06	4.27E-07	2.44E-06	2.92E-07	3.88E-07	1.28E-06	8.82E-08
4351	469006.85	3819329.9	4.58E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.48E-06	2.95E-07	3.93E-07	1.30E-06	8.94E-08
4352	469006.66	3819339.55	4.63E-06	1.94E-05	1.75E-06	3.85E-06	1.43E-05	1.26E-06	4.37E-07	2.50E-06	2.99E-07	3.97E-07	1.31E-06	9.03E-08
4353	469006.47	3819349.19	4.68E-06	1.97E-05	1.77E-06	3.90E-06	1.44E-05	1.27E-06	4.42E-07	2.53E-06	3.02E-07	4.02E-07	1.32E-06	9.13E-08
4354	469006.27	3819358.84	4.73E-06	1.99E-05	1.79E-06	3.94E-06	1.46E-05	1.28E-06	4.47E-07	2.56E-06	3.05E-07	4.06E-07	1.34E-06	9.23E-08
4355	469006.08	3819368.49	4.78E-06	2.01E-05	1.81E-06	3.98E-06	1.47E-05	1.30E-06	4.51E-07	2.58E-06	3.08E-07	4.10E-07	1.35E-06	9.32E-08
4356	469005.89	3819378.14	4.82E-06	2.02E-05	1.82E-06	4.01E-06	1.49E-05	1.31E-06	4.55E-07	2.61E-06	3.11E-07	4.14E-07	1.36E-06	9.41E-08
4357	469005.69	3819387.79	4.86E-06	2.04E-05	1.84E-06	4.05E-06	1.50E-05	1.32E-06	4.59E-07	2.63E-06	3.14E-07	4.18E-07	1.38E-06	9.49E-08
4358	469005.5	3819397.43	4.91E-06	2.06E-05	1.86E-06	4.09E-06	1.52E-05	1.33E-06	4.64E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.58E-08
4359	469005.31	3819407.08	5.03E-06	2.11E-05	1.90E-06	4.19E-06	1.55E-05	1.37E-06	4.75E-07	2.72E-06	3.25E-07	4.32E-07	1.42E-06	9.82E-08
4360	469005.11	3819416.73	5.10E-06	2.14E-05	1.93E-06	4.25E-06	1.57E-05	1.38E-06	4.82E-07	2.76E-06	3.29E-07	4.38E-07	1.44E-06	9.95E-08
4361	469004.92	3819426.38	5.17E-06	2.17E-05	1.96E-06	4.31E-06	1.60E-05	1.40E-06	4.88E-07	2.80E-06	3.34E-07	4.44E-07	1.46E-06	1.01E-07
4362	469078.44	3818870.28	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.67E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.58E-08
4363	469082.27	3818861.5	3.95E-06	1.66E-05	1.49E-06	3.29E-06	1.22E-05	1.07E-06	3.73E-07	2.14E-06	2.55E-07	3.39E-07	1.12E-06	7.71E-08
4364	469086.09	3818852.73	4.02E-06	1.69E-05	1.52E-06	3.35E-06	1.24E-05	1.09E-06	3.79E-07	2.17E-06	2.59E-07	3.45E-07	1.14E-06	7.84E-08

4365	469089.92	3818843.95	4.09E-06	1.72E-05	1.55E-06	3.41E-06	1.26E-05	1.11E-06	3.87E-07	2.21E-06	2.64E-07	3.51E-07	1.16E-06	7.99E-08
4366	469093.75	3818835.18	4.17E-06	1.75E-05	1.58E-06	3.47E-06	1.29E-05	1.13E-06	3.93E-07	2.25E-06	2.69E-07	3.58E-07	1.18E-06	8.13E-08
4367	469097.58	3818826.4	4.23E-06	1.78E-05	1.60E-06	3.53E-06	1.31E-05	1.15E-06	4.00E-07	2.29E-06	2.73E-07	3.63E-07	1.20E-06	8.26E-08
4368	469101.4	3818817.63	4.31E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.40E-08
4369	469105.23	3818808.85	4.38E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.14E-07	2.37E-06	2.83E-07	3.76E-07	1.24E-06	8.55E-08
4370	469109.06	3818800.08	4.46E-06	1.87E-05	1.69E-06	3.71E-06	1.38E-05	1.21E-06	4.21E-07	2.41E-06	2.88E-07	3.83E-07	1.26E-06	8.70E-08
4371	469112.88	3818791.3	4.55E-06	1.91E-05	1.72E-06	3.79E-06	1.40E-05	1.23E-06	4.29E-07	2.46E-06	2.93E-07	3.90E-07	1.29E-06	8.87E-08
4372	469116.71	3818782.53	4.63E-06	1.94E-05	1.75E-06	3.85E-06	1.43E-05	1.26E-06	4.37E-07	2.50E-06	2.99E-07	3.97E-07	1.31E-06	9.03E-08
4373	469120.54	3818773.75	4.71E-06	1.98E-05	1.78E-06	3.93E-06	1.45E-05	1.28E-06	4.45E-07	2.55E-06	3.04E-07	4.05E-07	1.33E-06	9.20E-08
4374	469124.36	3818764.97	4.80E-06	2.01E-05	1.81E-06	3.99E-06	1.48E-05	1.30E-06	4.53E-07	2.59E-06	3.09E-07	4.12E-07	1.36E-06	9.36E-08
4375	469128.19	3818756.2	4.88E-06	2.05E-05	1.85E-06	4.07E-06	1.51E-05	1.33E-06	4.61E-07	2.64E-06	3.15E-07	4.19E-07	1.38E-06	9.53E-08
4376	469132.02	3818747.42	4.97E-06	2.09E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.69E-07	2.69E-06	3.21E-07	4.27E-07	1.41E-06	9.70E-08
4377	469135.85	3818738.65	5.05E-06	2.12E-05	1.91E-06	4.21E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.26E-07	4.34E-07	1.43E-06	9.86E-08
4378	469139.67	3818729.87	5.13E-06	2.16E-05	1.94E-06	4.28E-06	1.58E-05	1.39E-06	4.85E-07	2.77E-06	3.31E-07	4.41E-07	1.45E-06	1.00E-07
4379	469143.5	3818721.1	5.21E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.41E-06	4.92E-07	2.82E-06	3.36E-07	4.47E-07	1.47E-06	1.02E-07
4380	469147.33	3818712.32	5.29E-06	2.22E-05	2.00E-06	4.41E-06	1.63E-05	1.44E-06	5.00E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
4381	469151.15	3818703.55	5.36E-06	2.25E-05	2.03E-06	4.47E-06	1.66E-05	1.46E-06	5.07E-07	2.90E-06	3.46E-07	4.60E-07	1.52E-06	1.05E-07
4382	469154.98	3818694.77	5.44E-06	2.28E-05	2.06E-06	4.53E-06	1.68E-05	1.48E-06	5.13E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
4383	469158.81	3818686	5.51E-06	2.31E-05	2.08E-06	4.59E-06	1.70E-05	1.50E-06	5.20E-07	2.98E-06	3.55E-07	4.73E-07	1.56E-06	1.07E-07
4384	469162.63	3818677.22	5.58E-06	2.34E-05	2.11E-06	4.64E-06	1.72E-05	1.51E-06	5.26E-07	3.01E-06	3.60E-07	4.79E-07	1.58E-06	1.09E-07
4385	469166.46	3818668.45	5.64E-06	2.37E-05	2.13E-06	4.70E-06	1.74E-05	1.53E-06	5.32E-07	3.05E-06	3.64E-07	4.84E-07	1.60E-06	1.10E-07
4386	469170.29	3818659.67	5.70E-06	2.39E-05	2.16E-06	4.75E-06	1.76E-05	1.55E-06	5.38E-07	3.08E-06	3.68E-07	4.89E-07	1.61E-06	1.11E-07
4387	469174.12	3818650.9	5.75E-06	2.42E-05	2.18E-06	4.79E-06	1.78E-05	1.56E-06	5.43E-07	3.11E-06	3.71E-07	4.94E-07	1.63E-06	1.12E-07
4388	469177.94	3818642.12	5.81E-06	2.44E-05	2.20E-06	4.84E-06	1.79E-05	1.58E-06	5.48E-07	3.14E-06	3.75E-07	4.98E-07	1.64E-06	1.13E-07
4389	469181.77	3818633.34	5.85E-06	2.46E-05	2.21E-06	4.88E-06	1.81E-05	1.59E-06	5.53E-07	3.16E-06	3.78E-07	5.03E-07	1.66E-06	1.14E-07
4390	469185.6	3818624.57	5.90E-06	2.48E-05	2.23E-06	4.91E-06	1.82E-05	1.60E-06	5.57E-07	3.19E-06	3.80E-07	5.06E-07	1.67E-06	1.15E-07
4391	469189.42	3818615.79	5.94E-06	2.50E-05	2.25E-06	4.95E-06	1.83E-05	1.61E-06	5.61E-07	3.21E-06	3.83E-07	5.10E-07	1.68E-06	1.16E-07
4392	469193.25	3818607.02	5.98E-06	2.51E-05	2.26E-06	4.98E-06	1.85E-05	1.62E-06	5.65E-07	3.23E-06	3.86E-07	5.13E-07	1.69E-06	1.17E-07
4393	469197.08	3818598.24	6.01E-06	2.53E-05	2.27E-06	5.01E-06	1.86E-05	1.63E-06	5.68E-07	3.25E-06	3.88E-07	5.16E-07	1.70E-06	1.17E-07
4394	469200.91	3818589.47	6.04E-06	2.54E-05	2.29E-06	5.03E-06	1.86E-05	1.64E-06	5.71E-07	3.27E-06	3.90E-07	5.19E-07	1.71E-06	1.18E-07
4395	469204.73	3818580.69	6.07E-06	2.55E-05	2.30E-06	5.06E-06	1.87E-05	1.65E-06	5.73E-07	3.28E-06	3.92E-07	5.21E-07	1.72E-06	1.18E-07
4396	469208.56	3818571.92	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.65E-06	5.76E-07	3.29E-06	3.93E-07	5.23E-07	1.73E-06	1.19E-07
4397	469212.39	3818563.14	6.12E-06	2.57E-05	2.31E-06	5.10E-06	1.89E-05	1.66E-06	5.78E-07	3.31E-06	3.95E-07	5.25E-07	1.73E-06	1.19E-07
4398	469216.21	3818554.37	6.14E-06	2.58E-05	2.32E-06	5.12E-06	1.90E-05	1.67E-06	5.80E-07	3.32E-06	3.96E-07	5.27E-07	1.74E-06	1.20E-07
4399	469220.04	3818545.59	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.82E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
4400	469223.87	3818536.82	6.18E-06	2.60E-05	2.34E-06	5.15E-06	1.91E-05	1.68E-06	5.84E-07	3.34E-06	3.99E-07	5.31E-07	1.75E-06	1.21E-07
4401	469227.69	3818528.04	6.20E-06	2.60E-05	2.34E-06	5.16E-06	1.91E-05	1.68E-06	5.85E-07	3.35E-06	4.00E-07	5.32E-07	1.75E-06	1.21E-07
4402	469231.52	3818519.26	6.22E-06	2.61E-05	2.35E-06	5.18E-06	1.92E-05	1.69E-06	5.87E-07	3.36E-06	4.01E-07	5.34E-07	1.76E-06	1.21E-07
4403	469235.35	3818510.49	6.23E-06	2.62E-05	2.36E-06	5.19E-06	1.92E-05	1.69E-06	5.89E-07	3.37E-06	4.02E-07	5.35E-07	1.76E-06	1.22E-07
4404	469239.18	3818501.71	6.25E-06	2.63E-05	2.37E-06	5.21E-06	1.93E-05	1.70E-06	5.91E-07	3.38E-06	4.03E-07	5.37E-07	1.77E-06	1.22E-07
4405	469243	3818492.94	6.26E-06	2.63E-05	2.37E-06	5.22E-06	1.93E-05	1.70E-06	5.91E-07	3.39E-06	4.04E-07	5.38E-07	1.77E-06	1.22E-07
4406	469246.83	3818484.16	6.28E-06	2.64E-05	2.37E-06	5.23E-06	1.94E-05	1.70E-06	5.93E-07	3.39E-06	4.05E-07	5.39E-07	1.78E-06	1.22E-07

4407	469250.66	3818475.39	6.29E-06	2.64E-05	2.38E-06	5.24E-06	1.94E-05	1.71E-06	5.94E-07	3.40E-06	4.06E-07	5.40E-07	1.78E-06	1.23E-07
4408	469254.48	3818466.61	6.31E-06	2.65E-05	2.39E-06	5.26E-06	1.95E-05	1.71E-06	5.96E-07	3.41E-06	4.07E-07	5.42E-07	1.79E-06	1.23E-07
4409	469258.31	3818457.84	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.99E-07	3.43E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
4410	469297.83	3818384.11	6.68E-06	2.80E-05	2.53E-06	5.56E-06	2.06E-05	1.81E-06	6.31E-07	3.61E-06	4.31E-07	5.73E-07	1.89E-06	1.30E-07
4411	469306.73	3818380.58	6.79E-06	2.85E-05	2.57E-06	5.66E-06	2.10E-05	1.84E-06	6.41E-07	3.67E-06	4.38E-07	5.83E-07	1.92E-06	1.33E-07
4412	469315.63	3818377.06	6.91E-06	2.90E-05	2.61E-06	5.75E-06	2.13E-05	1.88E-06	6.52E-07	3.73E-06	4.46E-07	5.93E-07	1.96E-06	1.35E-07
4413	469324.53	3818373.53	7.02E-06	2.95E-05	2.66E-06	5.85E-06	2.17E-05	1.91E-06	6.63E-07	3.80E-06	4.53E-07	6.03E-07	1.99E-06	1.37E-07
4414	469333.43	3818370.01	7.14E-06	3.00E-05	2.70E-06	5.95E-06	2.20E-05	1.94E-06	6.75E-07	3.86E-06	4.61E-07	6.13E-07	2.02E-06	1.39E-07
4415	469342.33	3818366.48	7.26E-06	3.05E-05	2.75E-06	6.05E-06	2.24E-05	1.97E-06	6.85E-07	3.92E-06	4.68E-07	6.23E-07	2.05E-06	1.42E-07
4416	469351.23	3818362.96	7.37E-06	3.10E-05	2.79E-06	6.14E-06	2.28E-05	2.00E-06	6.96E-07	3.99E-06	4.76E-07	6.33E-07	2.09E-06	1.44E-07
4417	469360.13	3818359.43	7.49E-06	3.14E-05	2.83E-06	6.23E-06	2.31E-05	2.03E-06	7.07E-07	4.05E-06	4.83E-07	6.43E-07	2.12E-06	1.46E-07
4418	469369.03	3818355.91	7.59E-06	3.19E-05	2.87E-06	6.32E-06	2.34E-05	2.06E-06	7.16E-07	4.10E-06	4.89E-07	6.51E-07	2.15E-06	1.48E-07
4419	469377.94	3818352.38	7.69E-06	3.23E-05	2.91E-06	6.41E-06	2.37E-05	2.09E-06	7.26E-07	4.16E-06	4.96E-07	6.60E-07	2.18E-06	1.50E-07
4420	469386.84	3818348.86	7.79E-06	3.27E-05	2.95E-06	6.49E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.69E-07	2.20E-06	1.52E-07
4421	469395.74	3818345.33	7.89E-06	3.31E-05	2.98E-06	6.57E-06	2.43E-05	2.14E-06	7.45E-07	4.27E-06	5.09E-07	6.77E-07	2.23E-06	1.54E-07
4422	469404.64	3818341.81	7.98E-06	3.35E-05	3.02E-06	6.65E-06	2.46E-05	2.17E-06	7.54E-07	4.31E-06	5.15E-07	6.85E-07	2.26E-06	1.56E-07
4423	469413.54	3818338.28	8.07E-06	3.39E-05	3.05E-06	6.72E-06	2.49E-05	2.19E-06	7.62E-07	4.36E-06	5.21E-07	6.93E-07	2.28E-06	1.58E-07
4424	469422.44	3818334.76	8.15E-06	3.42E-05	3.08E-06	6.79E-06	2.52E-05	2.21E-06	7.70E-07	4.41E-06	5.26E-07	7.00E-07	2.31E-06	1.59E-07
4425	469431.34	3818331.23	8.23E-06	3.46E-05	3.11E-06	6.86E-06	2.54E-05	2.23E-06	7.77E-07	4.45E-06	5.31E-07	7.07E-07	2.33E-06	1.61E-07
4426	469440.24	3818327.7	8.31E-06	3.49E-05	3.14E-06	6.92E-06	2.57E-05	2.26E-06	7.85E-07	4.49E-06	5.36E-07	7.14E-07	2.35E-06	1.62E-07
4427	469449.14	3818324.18	8.38E-06	3.52E-05	3.17E-06	6.98E-06	2.59E-05	2.28E-06	7.92E-07	4.53E-06	5.41E-07	7.20E-07	2.37E-06	1.64E-07
4428	469458.04	3818320.65	8.45E-06	3.55E-05	3.19E-06	7.04E-06	2.61E-05	2.29E-06	7.98E-07	4.57E-06	5.45E-07	7.25E-07	2.39E-06	1.65E-07
4429	469466.94	3818317.13	8.51E-06	3.57E-05	3.22E-06	7.09E-06	2.63E-05	2.31E-06	8.04E-07	4.60E-06	5.49E-07	7.31E-07	2.41E-06	1.66E-07
4430	469475.84	3818313.6	8.57E-06	3.60E-05	3.24E-06	7.14E-06	2.65E-05	2.33E-06	8.10E-07	4.63E-06	5.53E-07	7.36E-07	2.43E-06	1.67E-07
4431	469484.75	3818310.08	8.63E-06	3.62E-05	3.26E-06	7.19E-06	2.66E-05	2.34E-06	8.15E-07	4.67E-06	5.57E-07	7.41E-07	2.44E-06	1.68E-07
4432	469493.65	3818306.55	8.69E-06	3.65E-05	3.29E-06	7.24E-06	2.68E-05	2.36E-06	8.20E-07	4.70E-06	5.60E-07	7.46E-07	2.46E-06	1.70E-07
4433	469502.55	3818303.03	8.74E-06	3.67E-05	3.31E-06	7.28E-06	2.70E-05	2.37E-06	8.25E-07	4.73E-06	5.64E-07	7.50E-07	2.47E-06	1.71E-07
4434	469511.45	3818299.5	8.80E-06	3.70E-05	3.33E-06	7.33E-06	2.72E-05	2.39E-06	8.31E-07	4.76E-06	5.68E-07	7.55E-07	2.49E-06	1.72E-07
4435	469520.35	3818295.98	8.87E-06	3.72E-05	3.35E-06	7.38E-06	2.74E-05	2.41E-06	8.37E-07	4.79E-06	5.72E-07	7.61E-07	2.51E-06	1.73E-07
4436	469529.25	3818292.45	8.93E-06	3.75E-05	3.38E-06	7.44E-06	2.76E-05	2.43E-06	8.44E-07	4.83E-06	5.76E-07	7.67E-07	2.53E-06	1.74E-07
4437	469538.15	3818288.93	9.00E-06	3.78E-05	3.40E-06	7.49E-06	2.78E-05	2.44E-06	8.49E-07	4.86E-06	5.80E-07	7.72E-07	2.55E-06	1.76E-07
4438	469547.05	3818285.4	9.06E-06	3.80E-05	3.43E-06	7.55E-06	2.80E-05	2.46E-06	8.55E-07	4.90E-06	5.84E-07	7.78E-07	2.56E-06	1.77E-07
4439	469555.95	3818281.88	9.12E-06	3.83E-05	3.45E-06	7.60E-06	2.81E-05	2.48E-06	8.61E-07	4.93E-06	5.88E-07	7.83E-07	2.58E-06	1.78E-07
4440	469564.85	3818278.35	9.19E-06	3.86E-05	3.47E-06	7.65E-06	2.84E-05	2.49E-06	8.68E-07	4.97E-06	5.93E-07	7.89E-07	2.60E-06	1.79E-07
4441	469573.75	3818274.83	9.26E-06	3.89E-05	3.50E-06	7.71E-06	2.86E-05	2.51E-06	8.74E-07	5.01E-06	5.97E-07	7.95E-07	2.62E-06	1.81E-07
4442	469582.66	3818271.3	9.33E-06	3.92E-05	3.53E-06	7.77E-06	2.88E-05	2.53E-06	8.81E-07	5.04E-06	6.02E-07	8.01E-07	2.64E-06	1.82E-07
4443	469591.56	3818267.77	9.40E-06	3.95E-05	3.55E-06	7.83E-06	2.90E-05	2.55E-06	8.87E-07	5.08E-06	6.06E-07	8.07E-07	2.66E-06	1.83E-07
4444	469600.46	3818264.25	9.47E-06	3.98E-05	3.58E-06	7.89E-06	2.92E-05	2.57E-06	8.94E-07	5.12E-06	6.11E-07	8.13E-07	2.68E-06	1.85E-07
4445	469609.36	3818260.72	9.54E-06	4.01E-05	3.61E-06	7.95E-06	2.94E-05	2.59E-06	9.01E-07	5.16E-06	6.15E-07	8.19E-07	2.70E-06	1.86E-07
4446	469618.26	3818257.2	9.61E-06	4.04E-05	3.64E-06	8.01E-06	2.97E-05	2.61E-06	9.08E-07	5.20E-06	6.20E-07	8.25E-07	2.72E-06	1.88E-07
4447	469627.16	3818253.67	9.69E-06	4.07E-05	3.66E-06	8.07E-06	2.99E-05	2.63E-06	9.15E-07	5.24E-06	6.25E-07	8.32E-07	2.74E-06	1.89E-07
4448	469636.06	3818250.15	9.77E-06	4.10E-05	3.70E-06	8.14E-06	3.01E-05	2.65E-06	9.23E-07	5.28E-06	6.30E-07	8.39E-07	2.77E-06	1.91E-07

4449	469644.96	3818246.62	9.86E-06	4.14E-05	3.73E-06	8.21E-06	3.04E-05	2.68E-06	9.31E-07	5.33E-06	6.36E-07	8.46E-07	2.79E-06	1.92E-07
4450	469653.86	3818243.1	9.94E-06	4.17E-05	3.76E-06	8.28E-06	3.07E-05	2.70E-06	9.39E-07	5.37E-06	6.41E-07	8.53E-07	2.81E-06	1.94E-07
4451	469662.76	3818239.57	1.00E-05	4.21E-05	3.79E-06	8.35E-06	3.09E-05	2.72E-06	9.46E-07	5.42E-06	6.46E-07	8.60E-07	2.84E-06	1.96E-07
4452	469671.66	3818236.05	1.01E-05	4.24E-05	3.82E-06	8.41E-06	3.11E-05	2.74E-06	9.53E-07	5.46E-06	6.51E-07	8.66E-07	2.86E-06	1.97E-07
4453	469716.17	3818218.42	1.04E-05	4.38E-05	3.94E-06	8.68E-06	3.22E-05	2.83E-06	9.84E-07	5.64E-06	6.72E-07	8.95E-07	2.95E-06	2.03E-07
4454	469725.07	3818214.9	1.05E-05	4.40E-05	3.97E-06	8.74E-06	3.24E-05	2.85E-06	9.90E-07	5.67E-06	6.76E-07	9.00E-07	2.97E-06	2.05E-07
4455	469733.97	3818211.37	1.05E-05	4.43E-05	3.99E-06	8.78E-06	3.25E-05	2.86E-06	9.96E-07	5.70E-06	6.80E-07	9.05E-07	2.98E-06	2.06E-07
4456	469742.87	3818207.84	1.06E-05	4.45E-05	4.01E-06	8.83E-06	3.27E-05	2.88E-06	1.00E-06	5.73E-06	6.84E-07	9.10E-07	3.00E-06	2.07E-07
4457	469751.77	3818204.32	1.07E-05	4.47E-05	4.03E-06	8.88E-06	3.29E-05	2.89E-06	1.01E-06	5.76E-06	6.87E-07	9.15E-07	3.02E-06	2.08E-07
4458	469760.67	3818200.79	1.07E-05	4.49E-05	4.05E-06	8.91E-06	3.30E-05	2.90E-06	1.01E-06	5.78E-06	6.90E-07	9.18E-07	3.03E-06	2.09E-07
4459	469769.57	3818197.27	1.07E-05	4.51E-05	4.06E-06	8.94E-06	3.31E-05	2.91E-06	1.01E-06	5.80E-06	6.93E-07	9.22E-07	3.04E-06	2.10E-07
4460	469778.47	3818193.74	1.08E-05	4.52E-05	4.07E-06	8.97E-06	3.32E-05	2.92E-06	1.02E-06	5.82E-06	6.95E-07	9.25E-07	3.05E-06	2.10E-07
4461	469787.37	3818190.22	1.08E-05	4.54E-05	4.09E-06	9.00E-06	3.33E-05	2.93E-06	1.02E-06	5.84E-06	6.97E-07	9.28E-07	3.06E-06	2.11E-07
4462	469796.28	3818186.69	1.08E-05	4.55E-05	4.10E-06	9.02E-06	3.34E-05	2.94E-06	1.02E-06	5.86E-06	6.99E-07	9.30E-07	3.07E-06	2.11E-07
4463	469805.18	3818183.17	1.09E-05	4.56E-05	4.11E-06	9.04E-06	3.35E-05	2.95E-06	1.03E-06	5.87E-06	7.00E-07	9.32E-07	3.07E-06	2.12E-07
4464	469814.08	3818179.64	1.09E-05	4.57E-05	4.12E-06	9.07E-06	3.36E-05	2.96E-06	1.03E-06	5.89E-06	7.02E-07	9.35E-07	3.08E-06	2.12E-07
4465	469822.98	3818176.12	1.09E-05	4.58E-05	4.13E-06	9.09E-06	3.37E-05	2.96E-06	1.03E-06	5.90E-06	7.04E-07	9.37E-07	3.09E-06	2.13E-07
4466	469831.88	3818172.59	1.09E-05	4.60E-05	4.14E-06	9.12E-06	3.38E-05	2.97E-06	1.03E-06	5.92E-06	7.06E-07	9.40E-07	3.10E-06	2.14E-07
4467	469840.78	3818169.07	1.10E-05	4.61E-05	4.15E-06	9.15E-06	3.39E-05	2.98E-06	1.04E-06	5.94E-06	7.08E-07	9.43E-07	3.11E-06	2.14E-07
4468	469849.68	3818165.54	1.10E-05	4.62E-05	4.16E-06	9.17E-06	3.40E-05	2.99E-06	1.04E-06	5.95E-06	7.10E-07	9.45E-07	3.12E-06	2.15E-07
4469	469858.58	3818162.02	1.10E-05	4.64E-05	4.18E-06	9.20E-06	3.41E-05	3.00E-06	1.04E-06	5.97E-06	7.12E-07	9.48E-07	3.13E-06	2.15E-07
4470	469867.48	3818158.49	1.11E-05	4.65E-05	4.19E-06	9.23E-06	3.42E-05	3.01E-06	1.05E-06	5.99E-06	7.15E-07	9.51E-07	3.14E-06	2.16E-07
4471	469876.38	3818154.97	1.11E-05	4.67E-05	4.21E-06	9.26E-06	3.43E-05	3.02E-06	1.05E-06	6.01E-06	7.17E-07	9.55E-07	3.15E-06	2.17E-07
4472	469885.28	3818151.44	1.12E-05	4.69E-05	4.22E-06	9.30E-06	3.44E-05	3.03E-06	1.05E-06	6.03E-06	7.20E-07	9.58E-07	3.16E-06	2.18E-07
4473	469894.19	3818147.92	1.12E-05	4.71E-05	4.24E-06	9.34E-06	3.46E-05	3.04E-06	1.06E-06	6.06E-06	7.23E-07	9.62E-07	3.17E-06	2.19E-07
4474	469903.09	3818144.39	1.13E-05	4.73E-05	4.26E-06	9.37E-06	3.47E-05	3.05E-06	1.06E-06	6.08E-06	7.26E-07	9.66E-07	3.19E-06	2.20E-07
4475	469911.99	3818140.86	1.13E-05	4.75E-05	4.28E-06	9.42E-06	3.49E-05	3.07E-06	1.07E-06	6.11E-06	7.29E-07	9.70E-07	3.20E-06	2.21E-07
4476	469920.89	3818137.34	1.14E-05	4.77E-05	4.30E-06	9.47E-06	3.51E-05	3.09E-06	1.07E-06	6.15E-06	7.33E-07	9.76E-07	3.22E-06	2.22E-07
4477	469929.79	3818133.81	1.14E-05	4.80E-05	4.33E-06	9.53E-06	3.53E-05	3.11E-06	1.08E-06	6.18E-06	7.38E-07	9.82E-07	3.24E-06	2.23E-07
4478	469938.69	3818130.29	1.15E-05	4.83E-05	4.35E-06	9.58E-06	3.55E-05	3.12E-06	1.09E-06	6.22E-06	7.42E-07	9.88E-07	3.26E-06	2.25E-07
4479	469947.59	3818126.76	1.16E-05	4.86E-05	4.38E-06	9.64E-06	3.57E-05	3.14E-06	1.09E-06	6.26E-06	7.47E-07	9.94E-07	3.28E-06	2.26E-07
4480	469956.49	3818123.24	1.17E-05	4.90E-05	4.41E-06	9.71E-06	3.60E-05	3.16E-06	1.10E-06	6.30E-06	7.52E-07	1.00E-06	3.30E-06	2.27E-07
4481	469965.39	3818119.71	1.17E-05	4.93E-05	4.44E-06	9.78E-06	3.62E-05	3.19E-06	1.11E-06	6.35E-06	7.57E-07	1.01E-06	3.32E-06	2.29E-07
4482	469974.29	3818116.19	1.18E-05	4.96E-05	4.47E-06	9.84E-06	3.65E-05	3.21E-06	1.12E-06	6.39E-06	7.62E-07	1.01E-06	3.34E-06	2.31E-07
4483	469983.19	3818112.66	1.19E-05	4.99E-05	4.50E-06	9.91E-06	3.67E-05	3.23E-06	1.12E-06	6.43E-06	7.67E-07	1.02E-06	3.37E-06	2.32E-07
4484	469992.09	3818109.14	1.20E-05	5.03E-05	4.53E-06	9.97E-06	3.69E-05	3.25E-06	1.13E-06	6.47E-06	7.72E-07	1.03E-06	3.39E-06	2.34E-07
4485	470001	3818105.61	1.21E-05	5.06E-05	4.56E-06	1.00E-05	3.72E-05	3.27E-06	1.14E-06	6.52E-06	7.78E-07	1.03E-06	3.41E-06	2.35E-07
4486	470009.9	3818102.09	1.21E-05	5.10E-05	4.59E-06	1.01E-05	3.75E-05	3.29E-06	1.15E-06	6.56E-06	7.83E-07	1.04E-06	3.44E-06	2.37E-07
4487	470018.8	3818098.56	1.22E-05	5.13E-05	4.62E-06	1.02E-05	3.77E-05	3.31E-06	1.15E-06	6.60E-06	7.88E-07	1.05E-06	3.46E-06	2.38E-07
4488	470045.5	3818087.99	1.24E-05	5.19E-05	4.67E-06	1.03E-05	3.81E-05	3.35E-06	1.17E-06	6.68E-06	7.97E-07	1.06E-06	3.50E-06	2.41E-07
4489	470054.4	3818084.46	1.24E-05	5.20E-05	4.69E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.70E-06	7.99E-07	1.06E-06	3.51E-06	2.42E-07
4490	470063.3	3818080.93	1.24E-05	5.21E-05	4.69E-06	1.03E-05	3.83E-05	3.37E-06	1.17E-06	6.71E-06	8.01E-07	1.07E-06	3.51E-06	2.42E-07

4491	470072.2	3818077.41	1.24E-05	5.22E-05	4.70E-06	1.03E-05	3.83E-05	3.37E-06	1.17E-06	6.71E-06	8.01E-07	1.07E-06	3.52E-06	2.42E-07
4492	470081.1	3818073.88	1.24E-05	5.22E-05	4.70E-06	1.03E-05	3.83E-05	3.37E-06	1.17E-06	6.71E-06	8.01E-07	1.07E-06	3.52E-06	2.42E-07
4493	470090	3818070.36	1.24E-05	5.21E-05	4.69E-06	1.03E-05	3.83E-05	3.37E-06	1.17E-06	6.71E-06	8.01E-07	1.07E-06	3.51E-06	2.42E-07
4494	470098.91	3818066.83	1.24E-05	5.20E-05	4.68E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.70E-06	7.99E-07	1.06E-06	3.51E-06	2.42E-07
4495	470107.81	3818063.31	1.23E-05	5.18E-05	4.67E-06	1.03E-05	3.81E-05	3.35E-06	1.17E-06	6.67E-06	7.96E-07	1.06E-06	3.49E-06	2.41E-07
4496	470116.71	3818059.78	1.23E-05	5.16E-05	4.65E-06	1.02E-05	3.79E-05	3.34E-06	1.16E-06	6.65E-06	7.93E-07	1.06E-06	3.48E-06	2.40E-07
4497	468928.8	3819231.81	3.47E-06	1.46E-05	1.31E-06	2.89E-06	1.07E-05	9.43E-07	3.28E-07	1.88E-06	2.24E-07	2.98E-07	9.83E-07	6.78E-08
4498	468928.61	3819241.46	3.53E-06	1.48E-05	1.34E-06	2.94E-06	1.09E-05	9.59E-07	3.33E-07	1.91E-06	2.28E-07	3.03E-07	9.99E-07	6.89E-08
4499	468928.41	3819251.11	3.59E-06	1.51E-05	1.36E-06	2.99E-06	1.11E-05	9.74E-07	3.39E-07	1.94E-06	2.31E-07	3.08E-07	1.02E-06	7.00E-08
4500	468928.22	3819260.76	3.65E-06	1.53E-05	1.38E-06	3.04E-06	1.13E-05	9.90E-07	3.44E-07	1.97E-06	2.35E-07	3.13E-07	1.03E-06	7.11E-08
4501	468928.03	3819270.41	3.71E-06	1.56E-05	1.40E-06	3.09E-06	1.14E-05	1.01E-06	3.50E-07	2.01E-06	2.39E-07	3.18E-07	1.05E-06	7.24E-08
4502	468927.83	3819280.06	3.77E-06	1.58E-05	1.42E-06	3.14E-06	1.16E-05	1.02E-06	3.56E-07	2.04E-06	2.43E-07	3.23E-07	1.07E-06	7.35E-08
4503	468927.64	3819289.7	3.82E-06	1.60E-05	1.44E-06	3.18E-06	1.18E-05	1.04E-06	3.61E-07	2.06E-06	2.46E-07	3.28E-07	1.08E-06	7.45E-08
4504	468927.45	3819299.35	3.87E-06	1.63E-05	1.46E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.09E-06	2.50E-07	3.32E-07	1.10E-06	7.56E-08
4505	468927.25	3819309	3.93E-06	1.65E-05	1.48E-06	3.27E-06	1.21E-05	1.07E-06	3.71E-07	2.12E-06	2.53E-07	3.37E-07	1.11E-06	7.66E-08
4506	468927.06	3819318.65	3.97E-06	1.67E-05	1.50E-06	3.31E-06	1.23E-05	1.08E-06	3.75E-07	2.15E-06	2.56E-07	3.41E-07	1.12E-06	7.75E-08
4507	468926.87	3819328.3	4.02E-06	1.69E-05	1.52E-06	3.35E-06	1.24E-05	1.09E-06	3.80E-07	2.17E-06	2.59E-07	3.45E-07	1.14E-06	7.85E-08
4508	468926.68	3819337.94	4.07E-06	1.71E-05	1.54E-06	3.39E-06	1.26E-05	1.10E-06	3.84E-07	2.20E-06	2.62E-07	3.49E-07	1.15E-06	7.94E-08
4509	468926.48	3819347.59	4.11E-06	1.73E-05	1.56E-06	3.43E-06	1.27E-05	1.12E-06	3.88E-07	2.22E-06	2.65E-07	3.53E-07	1.16E-06	8.03E-08
4510	468926.29	3819357.24	4.15E-06	1.74E-05	1.57E-06	3.46E-06	1.28E-05	1.13E-06	3.92E-07	2.24E-06	2.68E-07	3.56E-07	1.18E-06	8.10E-08
4511	468926.1	3819366.89	4.19E-06	1.76E-05	1.58E-06	3.49E-06	1.29E-05	1.14E-06	3.96E-07	2.27E-06	2.70E-07	3.60E-07	1.19E-06	8.18E-08
4512	468925.9	3819376.54	4.22E-06	1.77E-05	1.60E-06	3.52E-06	1.30E-05	1.15E-06	3.99E-07	2.28E-06	2.72E-07	3.63E-07	1.20E-06	8.24E-08
4513	468925.71	3819386.19	4.26E-06	1.79E-05	1.61E-06	3.55E-06	1.31E-05	1.16E-06	4.02E-07	2.30E-06	2.75E-07	3.65E-07	1.21E-06	8.31E-08
4514	468925.52	3819395.83	4.29E-06	1.80E-05	1.62E-06	3.57E-06	1.32E-05	1.16E-06	4.05E-07	2.32E-06	2.77E-07	3.68E-07	1.21E-06	8.37E-08
4515	468925.32	3819405.48	4.32E-06	1.81E-05	1.63E-06	3.60E-06	1.33E-05	1.17E-06	4.08E-07	2.34E-06	2.79E-07	3.71E-07	1.22E-06	8.43E-08
4516	468925.13	3819415.13	4.35E-06	1.83E-05	1.65E-06	3.63E-06	1.34E-05	1.18E-06	4.11E-07	2.35E-06	2.81E-07	3.74E-07	1.23E-06	8.50E-08
4517	468924.94	3819424.78	4.39E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.14E-07	2.37E-06	2.83E-07	3.77E-07	1.24E-06	8.56E-08
4518	469075.84	3818691.24	4.54E-06	1.91E-05	1.72E-06	3.78E-06	1.40E-05	1.23E-06	4.29E-07	2.45E-06	2.93E-07	3.90E-07	1.29E-06	8.86E-08
4519	469079.68	3818682.43	4.61E-06	1.94E-05	1.74E-06	3.84E-06	1.42E-05	1.25E-06	4.35E-07	2.49E-06	2.97E-07	3.96E-07	1.30E-06	8.99E-08
4520	469083.52	3818673.62	4.68E-06	1.97E-05	1.77E-06	3.90E-06	1.44E-05	1.27E-06	4.42E-07	2.53E-06	3.02E-07	4.02E-07	1.32E-06	9.13E-08
4521	469087.36	3818664.82	4.75E-06	1.99E-05	1.80E-06	3.95E-06	1.47E-05	1.29E-06	4.48E-07	2.57E-06	3.06E-07	4.08E-07	1.34E-06	9.26E-08
4522	469091.2	3818656.01	4.81E-06	2.02E-05	1.82E-06	4.01E-06	1.48E-05	1.31E-06	4.54E-07	2.60E-06	3.10E-07	4.13E-07	1.36E-06	9.39E-08
4523	469095.05	3818647.2	4.87E-06	2.05E-05	1.84E-06	4.06E-06	1.50E-05	1.32E-06	4.60E-07	2.63E-06	3.14E-07	4.18E-07	1.38E-06	9.51E-08
4524	469098.89	3818638.39	4.93E-06	2.07E-05	1.86E-06	4.11E-06	1.52E-05	1.34E-06	4.66E-07	2.67E-06	3.18E-07	4.23E-07	1.40E-06	9.62E-08
4525	469102.73	3818629.58	4.99E-06	2.10E-05	1.89E-06	4.16E-06	1.54E-05	1.35E-06	4.71E-07	2.70E-06	3.22E-07	4.28E-07	1.41E-06	9.73E-08
4526	469106.57	3818620.78	5.04E-06	2.12E-05	1.91E-06	4.20E-06	1.56E-05	1.37E-06	4.76E-07	2.73E-06	3.25E-07	4.33E-07	1.43E-06	9.84E-08
4527	469137.3	3818550.31	5.33E-06	2.24E-05	2.02E-06	4.44E-06	1.64E-05	1.45E-06	5.03E-07	2.88E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
4528	469141.14	3818541.5	5.35E-06	2.25E-05	2.02E-06	4.46E-06	1.65E-05	1.45E-06	5.06E-07	2.89E-06	3.45E-07	4.60E-07	1.52E-06	1.04E-07
4529	469144.98	3818532.69	5.37E-06	2.26E-05	2.03E-06	4.48E-06	1.66E-05	1.46E-06	5.07E-07	2.90E-06	3.47E-07	4.61E-07	1.52E-06	1.05E-07
4530	469148.82	3818523.89	5.39E-06	2.26E-05	2.04E-06	4.49E-06	1.66E-05	1.46E-06	5.09E-07	2.92E-06	3.48E-07	4.63E-07	1.53E-06	1.05E-07
4531	469152.66	3818515.08	5.41E-06	2.27E-05	2.04E-06	4.50E-06	1.67E-05	1.47E-06	5.11E-07	2.92E-06	3.49E-07	4.64E-07	1.53E-06	1.06E-07
4532	469156.51	3818506.27	5.42E-06	2.28E-05	2.05E-06	4.52E-06	1.67E-05	1.47E-06	5.12E-07	2.93E-06	3.50E-07	4.65E-07	1.53E-06	1.06E-07

4533	469160.35	3818497.46	5.43E-06	2.28E-05	2.05E-06	4.52E-06	1.68E-05	1.47E-06	5.13E-07	2.94E-06	3.50E-07	4.66E-07	1.54E-06	1.06E-07
4534	469164.19	3818488.65	5.45E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.14E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
4535	469168.03	3818479.85	5.46E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.15E-07	2.95E-06	3.52E-07	4.68E-07	1.54E-06	1.06E-07
4536	469171.87	3818471.04	5.46E-06	2.30E-05	2.07E-06	4.55E-06	1.69E-05	1.48E-06	5.16E-07	2.95E-06	3.52E-07	4.69E-07	1.55E-06	1.07E-07
4537	469175.71	3818462.23	5.47E-06	2.30E-05	2.07E-06	4.56E-06	1.69E-05	1.49E-06	5.17E-07	2.96E-06	3.53E-07	4.70E-07	1.55E-06	1.07E-07
4538	469179.55	3818453.42	5.49E-06	2.31E-05	2.08E-06	4.57E-06	1.69E-05	1.49E-06	5.18E-07	2.97E-06	3.54E-07	4.71E-07	1.55E-06	1.07E-07
4539	469183.39	3818444.61	5.50E-06	2.31E-05	2.08E-06	4.58E-06	1.70E-05	1.49E-06	5.20E-07	2.98E-06	3.55E-07	4.72E-07	1.56E-06	1.07E-07
4540	469187.24	3818435.81	5.51E-06	2.31E-05	2.08E-06	4.59E-06	1.70E-05	1.50E-06	5.20E-07	2.98E-06	3.55E-07	4.73E-07	1.56E-06	1.07E-07
4541	469191.08	3818427	5.52E-06	2.32E-05	2.09E-06	4.60E-06	1.70E-05	1.50E-06	5.21E-07	2.98E-06	3.56E-07	4.74E-07	1.56E-06	1.08E-07
4542	469206.44	3818391.77	5.59E-06	2.35E-05	2.11E-06	4.65E-06	1.72E-05	1.52E-06	5.27E-07	3.02E-06	3.60E-07	4.79E-07	1.58E-06	1.09E-07
4543	469210.28	3818382.96	5.60E-06	2.35E-05	2.12E-06	4.67E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.59E-06	1.09E-07
4544	469214.13	3818374.15	5.62E-06	2.36E-05	2.13E-06	4.68E-06	1.74E-05	1.53E-06	5.31E-07	3.04E-06	3.63E-07	4.83E-07	1.59E-06	1.10E-07
4545	469217.97	3818365.34	5.65E-06	2.37E-05	2.14E-06	4.70E-06	1.74E-05	1.53E-06	5.33E-07	3.05E-06	3.64E-07	4.85E-07	1.60E-06	1.10E-07
4546	469221.81	3818356.53	5.67E-06	2.38E-05	2.15E-06	4.72E-06	1.75E-05	1.54E-06	5.36E-07	3.07E-06	3.66E-07	4.87E-07	1.61E-06	1.11E-07
4547	469225.65	3818347.72	5.71E-06	2.40E-05	2.16E-06	4.75E-06	1.76E-05	1.55E-06	5.39E-07	3.08E-06	3.68E-07	4.90E-07	1.61E-06	1.11E-07
4548	469229.49	3818338.92	5.73E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.41E-07	3.10E-06	3.70E-07	4.92E-07	1.62E-06	1.12E-07
4549	469242.27	3818326.57	5.85E-06	2.46E-05	2.21E-06	4.88E-06	1.81E-05	1.59E-06	5.53E-07	3.16E-06	3.78E-07	5.03E-07	1.66E-06	1.14E-07
4550	469251.2	3818323.03	5.96E-06	2.50E-05	2.25E-06	4.96E-06	1.84E-05	1.62E-06	5.62E-07	3.22E-06	3.84E-07	5.11E-07	1.69E-06	1.16E-07
4551	469260.13	3818319.49	6.06E-06	2.54E-05	2.29E-06	5.04E-06	1.87E-05	1.64E-06	5.72E-07	3.27E-06	3.91E-07	5.20E-07	1.71E-06	1.18E-07
4552	469269.07	3818315.95	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.81E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
4553	469278	3818312.42	6.26E-06	2.63E-05	2.37E-06	5.21E-06	1.93E-05	1.70E-06	5.91E-07	3.38E-06	4.04E-07	5.37E-07	1.77E-06	1.22E-07
4554	469286.94	3818308.88	6.35E-06	2.67E-05	2.40E-06	5.29E-06	1.96E-05	1.73E-06	6.00E-07	3.44E-06	4.10E-07	5.46E-07	1.80E-06	1.24E-07
4555	469295.87	3818305.34	6.46E-06	2.71E-05	2.44E-06	5.38E-06	1.99E-05	1.75E-06	6.10E-07	3.49E-06	4.16E-07	5.54E-07	1.83E-06	1.26E-07
4556	469304.8	3818301.8	6.55E-06	2.75E-05	2.48E-06	5.46E-06	2.02E-05	1.78E-06	6.19E-07	3.54E-06	4.23E-07	5.62E-07	1.85E-06	1.28E-07
4557	469313.74	3818298.26	6.64E-06	2.79E-05	2.51E-06	5.53E-06	2.05E-05	1.80E-06	6.27E-07	3.59E-06	4.29E-07	5.70E-07	1.88E-06	1.30E-07
4558	469322.67	3818294.72	6.73E-06	2.83E-05	2.55E-06	5.61E-06	2.08E-05	1.83E-06	6.36E-07	3.64E-06	4.34E-07	5.78E-07	1.91E-06	1.31E-07
4559	469331.61	3818291.19	6.82E-06	2.86E-05	2.58E-06	5.68E-06	2.11E-05	1.85E-06	6.44E-07	3.69E-06	4.40E-07	5.86E-07	1.93E-06	1.33E-07
4560	469340.54	3818287.65	6.90E-06	2.90E-05	2.61E-06	5.75E-06	2.13E-05	1.87E-06	6.52E-07	3.73E-06	4.45E-07	5.93E-07	1.95E-06	1.35E-07
4561	469349.47	3818284.11	6.98E-06	2.93E-05	2.64E-06	5.81E-06	2.15E-05	1.89E-06	6.59E-07	3.77E-06	4.50E-07	5.99E-07	1.98E-06	1.36E-07
4562	469358.41	3818280.57	7.06E-06	2.96E-05	2.67E-06	5.88E-06	2.18E-05	1.92E-06	6.66E-07	3.82E-06	4.55E-07	6.06E-07	2.00E-06	1.38E-07
4563	469367.34	3818277.03	7.12E-06	2.99E-05	2.69E-06	5.93E-06	2.20E-05	1.93E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
4564	469376.28	3818273.49	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.04E-06	1.40E-07
4565	469385.21	3818269.96	7.25E-06	3.04E-05	2.74E-06	6.04E-06	2.24E-05	1.97E-06	6.85E-07	3.92E-06	4.68E-07	6.22E-07	2.05E-06	1.41E-07
4566	469394.14	3818266.42	7.31E-06	3.07E-05	2.76E-06	6.09E-06	2.25E-05	1.98E-06	6.90E-07	3.95E-06	4.71E-07	6.27E-07	2.07E-06	1.43E-07
4567	469403.08	3818262.88	7.37E-06	3.10E-05	2.79E-06	6.14E-06	2.27E-05	2.00E-06	6.96E-07	3.98E-06	4.75E-07	6.33E-07	2.09E-06	1.44E-07
4568	469412.01	3818259.34	7.43E-06	3.12E-05	2.81E-06	6.19E-06	2.29E-05	2.02E-06	7.01E-07	4.02E-06	4.79E-07	6.38E-07	2.10E-06	1.45E-07
4569	469420.95	3818255.8	7.49E-06	3.14E-05	2.83E-06	6.23E-06	2.31E-05	2.03E-06	7.07E-07	4.05E-06	4.83E-07	6.43E-07	2.12E-06	1.46E-07
4570	469429.88	3818252.26	7.53E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.11E-07	4.07E-06	4.86E-07	6.46E-07	2.13E-06	1.47E-07
4571	469438.81	3818248.72	7.57E-06	3.18E-05	2.86E-06	6.31E-06	2.34E-05	2.06E-06	7.15E-07	4.09E-06	4.88E-07	6.50E-07	2.14E-06	1.48E-07
4572	469447.75	3818245.19	7.62E-06	3.20E-05	2.88E-06	6.34E-06	2.35E-05	2.07E-06	7.19E-07	4.12E-06	4.91E-07	6.54E-07	2.16E-06	1.49E-07
4573	469456.68	3818241.65	7.66E-06	3.22E-05	2.90E-06	6.38E-06	2.36E-05	2.08E-06	7.23E-07	4.14E-06	4.94E-07	6.57E-07	2.17E-06	1.49E-07
4574	469465.62	3818238.11	7.70E-06	3.23E-05	2.91E-06	6.42E-06	2.38E-05	2.09E-06	7.27E-07	4.16E-06	4.97E-07	6.61E-07	2.18E-06	1.50E-07

4575	469474.55	3818234.57	7.74E-06	3.25E-05	2.93E-06	6.45E-06	2.39E-05	2.10E-06	7.31E-07	4.18E-06	4.99E-07	6.64E-07	2.19E-06	1.51E-07
4576	469483.49	3818231.03	7.79E-06	3.27E-05	2.95E-06	6.49E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.69E-07	2.20E-06	1.52E-07
4577	469492.42	3818227.49	7.85E-06	3.30E-05	2.97E-06	6.54E-06	2.42E-05	2.13E-06	7.41E-07	4.24E-06	5.06E-07	6.74E-07	2.22E-06	1.53E-07
4578	469501.35	3818223.96	7.90E-06	3.32E-05	2.99E-06	6.58E-06	2.44E-05	2.15E-06	7.46E-07	4.27E-06	5.10E-07	6.79E-07	2.24E-06	1.54E-07
4579	469510.29	3818220.42	7.97E-06	3.35E-05	3.01E-06	6.64E-06	2.46E-05	2.16E-06	7.52E-07	4.31E-06	5.14E-07	6.84E-07	2.25E-06	1.55E-07
4580	469519.22	3818216.88	8.01E-06	3.37E-05	3.03E-06	6.68E-06	2.47E-05	2.18E-06	7.57E-07	4.33E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
4581	469528.16	3818213.34	8.07E-06	3.39E-05	3.05E-06	6.72E-06	2.49E-05	2.19E-06	7.62E-07	4.36E-06	5.20E-07	6.93E-07	2.28E-06	1.57E-07
4582	469537.09	3818209.8	8.13E-06	3.41E-05	3.07E-06	6.77E-06	2.51E-05	2.21E-06	7.67E-07	4.39E-06	5.24E-07	6.98E-07	2.30E-06	1.59E-07
4583	469546.02	3818206.26	8.18E-06	3.44E-05	3.09E-06	6.82E-06	2.53E-05	2.22E-06	7.73E-07	4.42E-06	5.28E-07	7.02E-07	2.32E-06	1.60E-07
4584	469554.96	3818202.73	8.24E-06	3.46E-05	3.12E-06	6.86E-06	2.54E-05	2.24E-06	7.78E-07	4.45E-06	5.32E-07	7.07E-07	2.33E-06	1.61E-07
4585	469563.89	3818199.19	8.30E-06	3.49E-05	3.14E-06	6.92E-06	2.56E-05	2.25E-06	7.84E-07	4.49E-06	5.36E-07	7.13E-07	2.35E-06	1.62E-07
4586	469572.83	3818195.65	8.37E-06	3.51E-05	3.16E-06	6.97E-06	2.58E-05	2.27E-06	7.90E-07	4.52E-06	5.40E-07	7.18E-07	2.37E-06	1.63E-07
4587	469581.76	3818192.11	8.44E-06	3.55E-05	3.19E-06	7.03E-06	2.61E-05	2.29E-06	7.97E-07	4.56E-06	5.45E-07	7.25E-07	2.39E-06	1.65E-07
4588	469590.69	3818188.57	8.51E-06	3.58E-05	3.22E-06	7.09E-06	2.63E-05	2.31E-06	8.04E-07	4.60E-06	5.49E-07	7.31E-07	2.41E-06	1.66E-07
4589	469599.63	3818185.03	8.59E-06	3.61E-05	3.25E-06	7.16E-06	2.65E-05	2.33E-06	8.11E-07	4.64E-06	5.54E-07	7.38E-07	2.43E-06	1.68E-07
4590	469608.56	3818181.49	8.65E-06	3.63E-05	3.27E-06	7.21E-06	2.67E-05	2.35E-06	8.17E-07	4.68E-06	5.58E-07	7.43E-07	2.45E-06	1.69E-07
4591	469617.5	3818177.96	8.72E-06	3.66E-05	3.30E-06	7.26E-06	2.69E-05	2.37E-06	8.24E-07	4.71E-06	5.63E-07	7.49E-07	2.47E-06	1.70E-07
4592	469626.43	3818174.42	8.78E-06	3.69E-05	3.32E-06	7.32E-06	2.71E-05	2.38E-06	8.29E-07	4.75E-06	5.67E-07	7.54E-07	2.49E-06	1.71E-07
4593	469635.36	3818170.88	8.85E-06	3.72E-05	3.35E-06	7.37E-06	2.73E-05	2.40E-06	8.36E-07	4.79E-06	5.71E-07	7.60E-07	2.51E-06	1.73E-07
4594	469644.3	3818167.34	8.91E-06	3.74E-05	3.37E-06	7.42E-06	2.75E-05	2.42E-06	8.42E-07	4.82E-06	5.75E-07	7.65E-07	2.52E-06	1.74E-07
4595	469653.23	3818163.8	8.98E-06	3.77E-05	3.39E-06	7.48E-06	2.77E-05	2.44E-06	8.48E-07	4.85E-06	5.79E-07	7.71E-07	2.54E-06	1.75E-07
4596	469662.17	3818160.26	9.04E-06	3.80E-05	3.42E-06	7.53E-06	2.79E-05	2.45E-06	8.54E-07	4.89E-06	5.83E-07	7.76E-07	2.56E-06	1.76E-07
4597	469671.1	3818156.73	9.10E-06	3.82E-05	3.44E-06	7.58E-06	2.81E-05	2.47E-06	8.59E-07	4.92E-06	5.87E-07	7.81E-07	2.58E-06	1.78E-07
4598	469680.03	3818153.19	9.16E-06	3.85E-05	3.46E-06	7.63E-06	2.83E-05	2.49E-06	8.65E-07	4.95E-06	5.91E-07	7.86E-07	2.59E-06	1.79E-07
4599	469715.77	3818139.03	9.37E-06	3.94E-05	3.54E-06	7.81E-06	2.89E-05	2.54E-06	8.85E-07	5.07E-06	6.04E-07	8.04E-07	2.65E-06	1.83E-07
4600	469724.7	3818135.49	9.41E-06	3.95E-05	3.56E-06	7.84E-06	2.91E-05	2.56E-06	8.89E-07	5.09E-06	6.07E-07	8.08E-07	2.66E-06	1.84E-07
4601	469733.64	3818131.96	9.45E-06	3.97E-05	3.57E-06	7.87E-06	2.92E-05	2.56E-06	8.92E-07	5.11E-06	6.09E-07	8.11E-07	2.67E-06	1.84E-07
4602	469742.57	3818128.42	9.48E-06	3.98E-05	3.59E-06	7.90E-06	2.93E-05	2.57E-06	8.95E-07	5.13E-06	6.12E-07	8.14E-07	2.68E-06	1.85E-07
4603	469751.51	3818124.88	9.51E-06	3.99E-05	3.60E-06	7.92E-06	2.93E-05	2.58E-06	8.98E-07	5.14E-06	6.13E-07	8.16E-07	2.69E-06	1.86E-07
4604	469760.44	3818121.34	9.54E-06	4.01E-05	3.61E-06	7.95E-06	2.95E-05	2.59E-06	9.01E-07	5.16E-06	6.16E-07	8.19E-07	2.70E-06	1.86E-07
4605	469769.37	3818117.8	9.57E-06	4.02E-05	3.62E-06	7.97E-06	2.95E-05	2.60E-06	9.04E-07	5.18E-06	6.17E-07	8.22E-07	2.71E-06	1.87E-07
4606	469778.31	3818114.26	9.60E-06	4.03E-05	3.63E-06	8.00E-06	2.96E-05	2.61E-06	9.07E-07	5.19E-06	6.19E-07	8.24E-07	2.72E-06	1.87E-07
4607	469787.24	3818110.73	9.63E-06	4.04E-05	3.64E-06	8.02E-06	2.97E-05	2.61E-06	9.09E-07	5.20E-06	6.21E-07	8.26E-07	2.72E-06	1.88E-07
4608	469796.18	3818107.19	9.65E-06	4.05E-05	3.65E-06	8.03E-06	2.98E-05	2.62E-06	9.11E-07	5.21E-06	6.22E-07	8.28E-07	2.73E-06	1.88E-07
4609	469805.11	3818103.65	9.67E-06	4.06E-05	3.66E-06	8.05E-06	2.98E-05	2.62E-06	9.13E-07	5.23E-06	6.24E-07	8.30E-07	2.74E-06	1.89E-07
4610	469814.05	3818100.11	9.70E-06	4.07E-05	3.67E-06	8.08E-06	2.99E-05	2.63E-06	9.16E-07	5.24E-06	6.26E-07	8.33E-07	2.75E-06	1.89E-07
4611	469822.98	3818096.57	9.72E-06	4.08E-05	3.68E-06	8.10E-06	3.00E-05	2.64E-06	9.18E-07	5.26E-06	6.27E-07	8.35E-07	2.75E-06	1.90E-07
4612	469831.91	3818093.03	9.75E-06	4.09E-05	3.69E-06	8.12E-06	3.01E-05	2.65E-06	9.20E-07	5.27E-06	6.29E-07	8.37E-07	2.76E-06	1.90E-07
4613	469840.85	3818089.5	9.78E-06	4.11E-05	3.70E-06	8.14E-06	3.02E-05	2.65E-06	9.23E-07	5.28E-06	6.30E-07	8.39E-07	2.77E-06	1.91E-07
4614	469849.78	3818085.96	9.79E-06	4.11E-05	3.70E-06	8.16E-06	3.02E-05	2.66E-06	9.25E-07	5.29E-06	6.32E-07	8.41E-07	2.77E-06	1.91E-07
4615	469858.72	3818082.42	9.82E-06	4.13E-05	3.72E-06	8.18E-06	3.03E-05	2.67E-06	9.28E-07	5.31E-06	6.34E-07	8.43E-07	2.78E-06	1.92E-07
4616	469867.65	3818078.88	9.85E-06	4.14E-05	3.73E-06	8.21E-06	3.04E-05	2.67E-06	9.30E-07	5.33E-06	6.35E-07	8.46E-07	2.79E-06	1.92E-07

4617	469876.58	3818075.34	9.89E-06	4.15E-05	3.74E-06	8.24E-06	3.05E-05	2.68E-06	9.34E-07	5.35E-06	6.38E-07	8.49E-07	2.80E-06	1.93E-07
4618	469885.52	3818071.8	9.93E-06	4.17E-05	3.76E-06	8.27E-06	3.07E-05	2.70E-06	9.38E-07	5.37E-06	6.41E-07	8.53E-07	2.81E-06	1.94E-07
4619	469894.45	3818068.26	9.98E-06	4.19E-05	3.77E-06	8.31E-06	3.08E-05	2.71E-06	9.42E-07	5.39E-06	6.44E-07	8.57E-07	2.82E-06	1.95E-07
4620	469903.39	3818064.73	1.00E-05	4.21E-05	3.79E-06	8.35E-06	3.09E-05	2.72E-06	9.47E-07	5.42E-06	6.47E-07	8.61E-07	2.84E-06	1.96E-07
4621	469912.32	3818061.19	1.01E-05	4.23E-05	3.81E-06	8.39E-06	3.11E-05	2.74E-06	9.52E-07	5.45E-06	6.50E-07	8.65E-07	2.85E-06	1.97E-07
4622	469921.25	3818057.65	1.01E-05	4.26E-05	3.84E-06	8.45E-06	3.13E-05	2.75E-06	9.58E-07	5.48E-06	6.54E-07	8.71E-07	2.87E-06	1.98E-07
4623	469930.19	3818054.11	1.02E-05	4.29E-05	3.86E-06	8.51E-06	3.15E-05	2.77E-06	9.65E-07	5.52E-06	6.59E-07	8.77E-07	2.89E-06	1.99E-07
4624	469939.12	3818050.57	1.03E-05	4.31E-05	3.88E-06	8.56E-06	3.17E-05	2.79E-06	9.70E-07	5.55E-06	6.62E-07	8.82E-07	2.91E-06	2.00E-07
4625	469948.06	3818047.03	1.03E-05	4.34E-05	3.90E-06	8.60E-06	3.19E-05	2.80E-06	9.75E-07	5.58E-06	6.66E-07	8.86E-07	2.92E-06	2.01E-07
4626	469956.99	3818043.5	1.04E-05	4.36E-05	3.93E-06	8.65E-06	3.20E-05	2.82E-06	9.80E-07	5.61E-06	6.70E-07	8.91E-07	2.94E-06	2.03E-07
4627	469965.92	3818039.96	1.04E-05	4.39E-05	3.95E-06	8.70E-06	3.22E-05	2.84E-06	9.87E-07	5.65E-06	6.74E-07	8.97E-07	2.96E-06	2.04E-07
4628	469974.86	3818036.42	1.05E-05	4.42E-05	3.98E-06	8.76E-06	3.25E-05	2.86E-06	9.94E-07	5.69E-06	6.79E-07	9.03E-07	2.98E-06	2.05E-07
4629	469983.79	3818032.88	1.06E-05	4.45E-05	4.01E-06	8.83E-06	3.27E-05	2.88E-06	1.00E-06	5.73E-06	6.84E-07	9.10E-07	3.00E-06	2.07E-07
4630	469992.73	3818029.34	1.07E-05	4.48E-05	4.04E-06	8.89E-06	3.29E-05	2.90E-06	1.01E-06	5.77E-06	6.89E-07	9.16E-07	3.02E-06	2.08E-07
4631	470001.66	3818025.8	1.07E-05	4.51E-05	4.06E-06	8.94E-06	3.31E-05	2.91E-06	1.01E-06	5.80E-06	6.93E-07	9.22E-07	3.04E-06	2.10E-07
4632	470010.59	3818022.27	1.08E-05	4.54E-05	4.08E-06	9.00E-06	3.33E-05	2.93E-06	1.02E-06	5.84E-06	6.97E-07	9.27E-07	3.06E-06	2.11E-07
4633	470019.53	3818018.73	1.09E-05	4.56E-05	4.11E-06	9.05E-06	3.35E-05	2.95E-06	1.03E-06	5.87E-06	7.01E-07	9.32E-07	3.07E-06	2.12E-07
4634	470046.33	3818008.11	1.10E-05	4.62E-05	4.16E-06	9.17E-06	3.40E-05	2.99E-06	1.04E-06	5.95E-06	7.10E-07	9.45E-07	3.12E-06	2.15E-07
4635	470055.26	3818004.57	1.10E-05	4.64E-05	4.18E-06	9.20E-06	3.41E-05	3.00E-06	1.04E-06	5.97E-06	7.12E-07	9.48E-07	3.13E-06	2.15E-07
4636	470064.2	3818001.03	1.11E-05	4.65E-05	4.19E-06	9.22E-06	3.42E-05	3.00E-06	1.05E-06	5.98E-06	7.14E-07	9.50E-07	3.13E-06	2.16E-07
4637	470073.13	3817997.5	1.11E-05	4.65E-05	4.19E-06	9.23E-06	3.42E-05	3.01E-06	1.05E-06	5.99E-06	7.15E-07	9.52E-07	3.14E-06	2.16E-07
4638	470082.07	3817993.96	1.11E-05	4.66E-05	4.20E-06	9.24E-06	3.42E-05	3.01E-06	1.05E-06	6.00E-06	7.16E-07	9.52E-07	3.14E-06	2.16E-07
4639	470091	3817990.42	1.11E-05	4.66E-05	4.20E-06	9.24E-06	3.42E-05	3.01E-06	1.05E-06	6.00E-06	7.16E-07	9.52E-07	3.14E-06	2.16E-07
4640	470099.93	3817986.88	1.11E-05	4.65E-05	4.19E-06	9.22E-06	3.42E-05	3.01E-06	1.05E-06	5.99E-06	7.14E-07	9.51E-07	3.13E-06	2.16E-07
4641	470108.87	3817983.34	1.10E-05	4.64E-05	4.18E-06	9.20E-06	3.41E-05	3.00E-06	1.04E-06	5.97E-06	7.12E-07	9.48E-07	3.13E-06	2.16E-07
4642	470117.8	3817979.8	1.10E-05	4.62E-05	4.16E-06	9.16E-06	3.39E-05	2.99E-06	1.04E-06	5.95E-06	7.10E-07	9.44E-07	3.11E-06	2.15E-07
4643	468848.82	3819230.21	3.08E-06	1.29E-05	1.16E-06	2.56E-06	9.50E-06	8.36E-07	2.91E-07	1.66E-06	1.99E-07	2.64E-07	8.71E-07	6.01E-08
4644	468848.62	3819239.86	3.13E-06	1.32E-05	1.18E-06	2.61E-06	9.66E-06	8.50E-07	2.96E-07	1.69E-06	2.02E-07	2.69E-07	8.86E-07	6.11E-08
4645	468848.43	3819249.51	3.19E-06	1.34E-05	1.21E-06	2.66E-06	9.84E-06	8.66E-07	3.01E-07	1.72E-06	2.06E-07	2.74E-07	9.03E-07	6.22E-08
4646	468848.24	3819259.16	3.24E-06	1.36E-05	1.23E-06	2.70E-06	1.00E-05	8.80E-07	3.06E-07	1.75E-06	2.09E-07	2.78E-07	9.18E-07	6.33E-08
4647	468848.04	3819268.81	3.29E-06	1.38E-05	1.24E-06	2.74E-06	1.02E-05	8.93E-07	3.11E-07	1.78E-06	2.12E-07	2.82E-07	9.31E-07	6.42E-08
4648	468847.85	3819278.45	3.34E-06	1.40E-05	1.26E-06	2.78E-06	1.03E-05	9.08E-07	3.16E-07	1.81E-06	2.16E-07	2.87E-07	9.46E-07	6.52E-08
4649	468847.66	3819288.1	3.39E-06	1.42E-05	1.28E-06	2.82E-06	1.05E-05	9.21E-07	3.20E-07	1.83E-06	2.19E-07	2.91E-07	9.60E-07	6.62E-08
4650	468847.46	3819297.75	3.44E-06	1.45E-05	1.30E-06	2.87E-06	1.06E-05	9.35E-07	3.25E-07	1.86E-06	2.22E-07	2.96E-07	9.75E-07	6.72E-08
4651	468847.27	3819307.4	3.49E-06	1.46E-05	1.32E-06	2.91E-06	1.08E-05	9.47E-07	3.29E-07	1.89E-06	2.25E-07	2.99E-07	9.87E-07	6.81E-08
4652	468847.08	3819317.05	3.54E-06	1.48E-05	1.34E-06	2.95E-06	1.09E-05	9.60E-07	3.34E-07	1.91E-06	2.28E-07	3.04E-07	1.00E-06	6.90E-08
4653	468846.88	3819326.69	3.57E-06	1.50E-05	1.35E-06	2.98E-06	1.10E-05	9.70E-07	3.38E-07	1.93E-06	2.31E-07	3.07E-07	1.01E-06	6.97E-08
4654	468846.69	3819336.34	3.61E-06	1.52E-05	1.37E-06	3.01E-06	1.11E-05	9.81E-07	3.41E-07	1.95E-06	2.33E-07	3.10E-07	1.02E-06	7.05E-08
4655	468846.5	3819345.99	3.65E-06	1.53E-05	1.38E-06	3.04E-06	1.13E-05	9.90E-07	3.44E-07	1.97E-06	2.35E-07	3.13E-07	1.03E-06	7.11E-08
4656	468846.3	3819355.64	3.68E-06	1.55E-05	1.39E-06	3.07E-06	1.14E-05	9.99E-07	3.48E-07	1.99E-06	2.37E-07	3.16E-07	1.04E-06	7.18E-08
4657	468846.11	3819365.29	3.71E-06	1.56E-05	1.40E-06	3.09E-06	1.14E-05	1.01E-06	3.50E-07	2.01E-06	2.39E-07	3.18E-07	1.05E-06	7.24E-08
4658	468845.92	3819374.94	3.74E-06	1.57E-05	1.41E-06	3.11E-06	1.15E-05	1.01E-06	3.53E-07	2.02E-06	2.41E-07	3.21E-07	1.06E-06	7.29E-08

4659	468845.73	3819384.58	3.77E-06	1.58E-05	1.42E-06	3.14E-06	1.16E-05	1.02E-06	3.56E-07	2.04E-06	2.43E-07	3.23E-07	1.07E-06	7.35E-08
4660	468845.53	3819394.23	3.79E-06	1.59E-05	1.43E-06	3.16E-06	1.17E-05	1.03E-06	3.58E-07	2.05E-06	2.45E-07	3.25E-07	1.07E-06	7.40E-08
4661	468845.34	3819403.88	3.81E-06	1.60E-05	1.44E-06	3.18E-06	1.18E-05	1.04E-06	3.60E-07	2.06E-06	2.46E-07	3.27E-07	1.08E-06	7.44E-08
4662	468845.15	3819413.53	3.84E-06	1.61E-05	1.45E-06	3.20E-06	1.18E-05	1.04E-06	3.63E-07	2.08E-06	2.48E-07	3.30E-07	1.09E-06	7.49E-08
4663	468844.95	3819423.18	3.86E-06	1.62E-05	1.46E-06	3.21E-06	1.19E-05	1.05E-06	3.64E-07	2.09E-06	2.49E-07	3.31E-07	1.09E-06	7.53E-08
4664	469127.64	3818387.47	4.87E-06	2.05E-05	1.84E-06	4.06E-06	1.50E-05	1.32E-06	4.60E-07	2.63E-06	3.14E-07	4.18E-07	1.38E-06	9.51E-08
4665	469131.49	3818378.63	4.88E-06	2.05E-05	1.84E-06	4.06E-06	1.51E-05	1.32E-06	4.61E-07	2.64E-06	3.15E-07	4.19E-07	1.38E-06	9.52E-08
4666	469135.34	3818369.79	4.88E-06	2.05E-05	1.84E-06	4.06E-06	1.51E-05	1.32E-06	4.61E-07	2.64E-06	3.15E-07	4.19E-07	1.38E-06	9.52E-08
4667	469139.2	3818360.95	4.88E-06	2.05E-05	1.85E-06	4.07E-06	1.51E-05	1.33E-06	4.61E-07	2.64E-06	3.15E-07	4.19E-07	1.38E-06	9.53E-08
4668	469143.05	3818352.12	4.90E-06	2.06E-05	1.85E-06	4.08E-06	1.51E-05	1.33E-06	4.62E-07	2.65E-06	3.16E-07	4.20E-07	1.39E-06	9.56E-08
4669	469146.91	3818343.28	4.91E-06	2.06E-05	1.86E-06	4.09E-06	1.52E-05	1.33E-06	4.64E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.58E-08
4670	469150.76	3818334.44	4.93E-06	2.07E-05	1.86E-06	4.11E-06	1.52E-05	1.34E-06	4.66E-07	2.67E-06	3.18E-07	4.23E-07	1.40E-06	9.62E-08
4671	469154.61	3818325.61	4.95E-06	2.08E-05	1.87E-06	4.12E-06	1.53E-05	1.34E-06	4.67E-07	2.68E-06	3.19E-07	4.25E-07	1.40E-06	9.66E-08
4672	469158.47	3818316.77	4.97E-06	2.09E-05	1.88E-06	4.14E-06	1.53E-05	1.35E-06	4.70E-07	2.69E-06	3.21E-07	4.27E-07	1.41E-06	9.71E-08
4673	469162.32	3818307.93	5.00E-06	2.10E-05	1.89E-06	4.16E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.22E-07	4.29E-07	1.41E-06	9.75E-08
4674	469166.18	3818299.09	5.03E-06	2.11E-05	1.90E-06	4.19E-06	1.55E-05	1.36E-06	4.75E-07	2.72E-06	3.24E-07	4.32E-07	1.42E-06	9.81E-08
4675	469170.03	3818290.26	5.05E-06	2.12E-05	1.91E-06	4.21E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.26E-07	4.34E-07	1.43E-06	9.86E-08
4676	469173.88	3818281.42	5.07E-06	2.13E-05	1.92E-06	4.22E-06	1.56E-05	1.38E-06	4.79E-07	2.74E-06	3.27E-07	4.35E-07	1.44E-06	9.89E-08
4677	469186.7	3818269.03	5.17E-06	2.17E-05	1.96E-06	4.31E-06	1.60E-05	1.40E-06	4.88E-07	2.80E-06	3.34E-07	4.44E-07	1.46E-06	1.01E-07
4678	469195.66	3818265.48	5.26E-06	2.21E-05	1.99E-06	4.38E-06	1.62E-05	1.43E-06	4.97E-07	2.84E-06	3.39E-07	4.51E-07	1.49E-06	1.03E-07
4679	469204.63	3818261.93	5.34E-06	2.24E-05	2.02E-06	4.45E-06	1.65E-05	1.45E-06	5.05E-07	2.89E-06	3.45E-07	4.59E-07	1.51E-06	1.04E-07
4680	469213.59	3818258.38	5.44E-06	2.28E-05	2.06E-06	4.53E-06	1.68E-05	1.48E-06	5.13E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
4681	469222.55	3818254.83	5.53E-06	2.32E-05	2.09E-06	4.60E-06	1.71E-05	1.50E-06	5.22E-07	2.99E-06	3.57E-07	4.75E-07	1.56E-06	1.08E-07
4682	469231.52	3818251.28	5.62E-06	2.36E-05	2.13E-06	4.68E-06	1.73E-05	1.53E-06	5.31E-07	3.04E-06	3.62E-07	4.82E-07	1.59E-06	1.10E-07
4683	469240.48	3818247.73	5.71E-06	2.40E-05	2.16E-06	4.75E-06	1.76E-05	1.55E-06	5.39E-07	3.08E-06	3.68E-07	4.90E-07	1.61E-06	1.11E-07
4684	469249.44	3818244.18	5.79E-06	2.43E-05	2.19E-06	4.82E-06	1.79E-05	1.57E-06	5.46E-07	3.13E-06	3.73E-07	4.97E-07	1.64E-06	1.13E-07
4685	469258.41	3818240.63	5.86E-06	2.46E-05	2.22E-06	4.88E-06	1.81E-05	1.59E-06	5.54E-07	3.17E-06	3.78E-07	5.03E-07	1.66E-06	1.14E-07
4686	469267.37	3818237.08	5.94E-06	2.50E-05	2.25E-06	4.95E-06	1.83E-05	1.61E-06	5.61E-07	3.21E-06	3.83E-07	5.10E-07	1.68E-06	1.16E-07
4687	469276.34	3818233.53	6.02E-06	2.53E-05	2.28E-06	5.02E-06	1.86E-05	1.63E-06	5.69E-07	3.26E-06	3.88E-07	5.17E-07	1.70E-06	1.18E-07
4688	469285.3	3818229.98	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.66E-06	5.76E-07	3.30E-06	3.93E-07	5.24E-07	1.73E-06	1.19E-07
4689	469294.26	3818226.43	6.17E-06	2.59E-05	2.33E-06	5.14E-06	1.90E-05	1.68E-06	5.83E-07	3.34E-06	3.98E-07	5.30E-07	1.75E-06	1.20E-07
4690	469303.23	3818222.88	6.24E-06	2.62E-05	2.36E-06	5.20E-06	1.93E-05	1.69E-06	5.89E-07	3.37E-06	4.02E-07	5.36E-07	1.77E-06	1.22E-07
4691	469312.19	3818219.33	6.30E-06	2.65E-05	2.38E-06	5.25E-06	1.94E-05	1.71E-06	5.95E-07	3.41E-06	4.06E-07	5.41E-07	1.78E-06	1.23E-07
4692	469321.15	3818215.78	6.36E-06	2.67E-05	2.41E-06	5.30E-06	1.96E-05	1.73E-06	6.01E-07	3.44E-06	4.10E-07	5.46E-07	1.80E-06	1.24E-07
4693	469330.12	3818212.23	6.42E-06	2.70E-05	2.43E-06	5.35E-06	1.98E-05	1.74E-06	6.06E-07	3.47E-06	4.14E-07	5.51E-07	1.82E-06	1.25E-07
4694	469339.08	3818208.68	6.47E-06	2.72E-05	2.45E-06	5.39E-06	2.00E-05	1.76E-06	6.11E-07	3.50E-06	4.17E-07	5.55E-07	1.83E-06	1.26E-07
4695	469348.04	3818205.13	6.51E-06	2.73E-05	2.46E-06	5.42E-06	2.01E-05	1.77E-06	6.15E-07	3.52E-06	4.20E-07	5.59E-07	1.84E-06	1.27E-07
4696	469357.01	3818201.58	6.55E-06	2.75E-05	2.48E-06	5.46E-06	2.02E-05	1.78E-06	6.19E-07	3.54E-06	4.23E-07	5.62E-07	1.85E-06	1.28E-07
4697	469365.97	3818198.03	6.59E-06	2.77E-05	2.49E-06	5.49E-06	2.03E-05	1.79E-06	6.22E-07	3.56E-06	4.25E-07	5.66E-07	1.87E-06	1.29E-07
4698	469374.93	3818194.48	6.63E-06	2.78E-05	2.51E-06	5.52E-06	2.05E-05	1.80E-06	6.26E-07	3.58E-06	4.28E-07	5.69E-07	1.88E-06	1.29E-07
4699	469383.9	3818190.93	6.66E-06	2.80E-05	2.52E-06	5.55E-06	2.06E-05	1.81E-06	6.29E-07	3.60E-06	4.30E-07	5.72E-07	1.89E-06	1.30E-07
4700	469392.86	3818187.38	6.70E-06	2.81E-05	2.53E-06	5.58E-06	2.07E-05	1.82E-06	6.32E-07	3.62E-06	4.32E-07	5.75E-07	1.90E-06	1.31E-07

4701	469401.82	3818183.83	6.73E-06	2.83E-05	2.55E-06	5.61E-06	2.08E-05	1.83E-06	6.36E-07	3.64E-06	4.34E-07	5.78E-07	1.91E-06	1.31E-07
4702	469410.79	3818180.28	6.76E-06	2.84E-05	2.56E-06	5.63E-06	2.09E-05	1.84E-06	6.39E-07	3.66E-06	4.36E-07	5.81E-07	1.91E-06	1.32E-07
4703	469419.75	3818176.73	6.79E-06	2.85E-05	2.57E-06	5.66E-06	2.10E-05	1.84E-06	6.41E-07	3.67E-06	4.38E-07	5.83E-07	1.92E-06	1.33E-07
4704	469428.71	3818173.18	6.84E-06	2.87E-05	2.59E-06	5.69E-06	2.11E-05	1.86E-06	6.46E-07	3.70E-06	4.41E-07	5.87E-07	1.93E-06	1.33E-07
4705	469437.68	3818169.63	6.88E-06	2.89E-05	2.60E-06	5.73E-06	2.12E-05	1.87E-06	6.50E-07	3.72E-06	4.44E-07	5.91E-07	1.95E-06	1.34E-07
4706	469446.64	3818166.08	6.92E-06	2.91E-05	2.62E-06	5.77E-06	2.14E-05	1.88E-06	6.54E-07	3.74E-06	4.47E-07	5.94E-07	1.96E-06	1.35E-07
4707	469455.6	3818162.53	6.97E-06	2.93E-05	2.63E-06	5.80E-06	2.15E-05	1.89E-06	6.58E-07	3.77E-06	4.49E-07	5.98E-07	1.97E-06	1.36E-07
4708	469464.57	3818158.98	7.00E-06	2.94E-05	2.65E-06	5.83E-06	2.16E-05	1.90E-06	6.61E-07	3.79E-06	4.52E-07	6.01E-07	1.98E-06	1.37E-07
4709	469473.53	3818155.43	7.04E-06	2.96E-05	2.66E-06	5.87E-06	2.17E-05	1.91E-06	6.65E-07	3.81E-06	4.54E-07	6.05E-07	1.99E-06	1.37E-07
4710	469482.5	3818151.88	7.09E-06	2.98E-05	2.68E-06	5.90E-06	2.19E-05	1.92E-06	6.69E-07	3.83E-06	4.57E-07	6.08E-07	2.01E-06	1.38E-07
4711	469491.46	3818148.33	7.13E-06	3.00E-05	2.70E-06	5.94E-06	2.20E-05	1.94E-06	6.74E-07	3.86E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
4712	469500.42	3818144.78	7.18E-06	3.01E-05	2.71E-06	5.98E-06	2.21E-05	1.95E-06	6.78E-07	3.88E-06	4.63E-07	6.16E-07	2.03E-06	1.40E-07
4713	469509.39	3818141.23	7.23E-06	3.04E-05	2.73E-06	6.02E-06	2.23E-05	1.96E-06	6.83E-07	3.91E-06	4.66E-07	6.21E-07	2.05E-06	1.41E-07
4714	469518.35	3818137.68	7.29E-06	3.06E-05	2.76E-06	6.07E-06	2.25E-05	1.98E-06	6.88E-07	3.94E-06	4.70E-07	6.26E-07	2.06E-06	1.42E-07
4715	469527.31	3818134.13	7.35E-06	3.09E-05	2.78E-06	6.12E-06	2.27E-05	2.00E-06	6.94E-07	3.97E-06	4.74E-07	6.31E-07	2.08E-06	1.43E-07
4716	469536.28	3818130.58	7.41E-06	3.11E-05	2.80E-06	6.17E-06	2.29E-05	2.01E-06	7.00E-07	4.01E-06	4.78E-07	6.36E-07	2.10E-06	1.45E-07
4717	469545.24	3818127.03	7.48E-06	3.14E-05	2.83E-06	6.23E-06	2.31E-05	2.03E-06	7.06E-07	4.04E-06	4.82E-07	6.42E-07	2.12E-06	1.46E-07
4718	469554.2	3818123.48	7.53E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.11E-07	4.07E-06	4.86E-07	6.46E-07	2.13E-06	1.47E-07
4719	469563.17	3818119.93	7.59E-06	3.19E-05	2.87E-06	6.32E-06	2.34E-05	2.06E-06	7.16E-07	4.10E-06	4.89E-07	6.51E-07	2.15E-06	1.48E-07
4720	469572.13	3818116.38	7.64E-06	3.21E-05	2.89E-06	6.37E-06	2.36E-05	2.08E-06	7.22E-07	4.13E-06	4.93E-07	6.56E-07	2.16E-06	1.49E-07
4721	469581.09	3818112.83	7.70E-06	3.23E-05	2.91E-06	6.42E-06	2.38E-05	2.09E-06	7.27E-07	4.16E-06	4.97E-07	6.61E-07	2.18E-06	1.50E-07
4722	469590.06	3818109.28	7.76E-06	3.26E-05	2.93E-06	6.46E-06	2.39E-05	2.11E-06	7.33E-07	4.19E-06	5.00E-07	6.66E-07	2.20E-06	1.51E-07
4723	469599.02	3818105.73	7.82E-06	3.28E-05	2.96E-06	6.51E-06	2.41E-05	2.12E-06	7.38E-07	4.23E-06	5.04E-07	6.71E-07	2.21E-06	1.53E-07
4724	469607.98	3818102.18	7.88E-06	3.31E-05	2.98E-06	6.56E-06	2.43E-05	2.14E-06	7.44E-07	4.26E-06	5.08E-07	6.76E-07	2.23E-06	1.54E-07
4725	469616.95	3818098.63	7.94E-06	3.34E-05	3.00E-06	6.62E-06	2.45E-05	2.16E-06	7.50E-07	4.29E-06	5.12E-07	6.82E-07	2.25E-06	1.55E-07
4726	469625.91	3818095.08	8.00E-06	3.36E-05	3.03E-06	6.66E-06	2.47E-05	2.17E-06	7.55E-07	4.32E-06	5.16E-07	6.87E-07	2.26E-06	1.56E-07
4727	469634.87	3818091.53	8.05E-06	3.38E-05	3.05E-06	6.71E-06	2.48E-05	2.19E-06	7.60E-07	4.35E-06	5.19E-07	6.91E-07	2.28E-06	1.57E-07
4728	469643.84	3818087.98	8.11E-06	3.40E-05	3.07E-06	6.75E-06	2.50E-05	2.20E-06	7.65E-07	4.38E-06	5.23E-07	6.96E-07	2.29E-06	1.58E-07
4729	469652.8	3818084.43	8.15E-06	3.42E-05	3.08E-06	6.79E-06	2.52E-05	2.21E-06	7.70E-07	4.41E-06	5.26E-07	7.00E-07	2.31E-06	1.59E-07
4730	469661.77	3818080.88	8.20E-06	3.44E-05	3.10E-06	6.83E-06	2.53E-05	2.23E-06	7.74E-07	4.43E-06	5.29E-07	7.04E-07	2.32E-06	1.60E-07
4731	469670.73	3818077.33	8.25E-06	3.46E-05	3.12E-06	6.87E-06	2.54E-05	2.24E-06	7.79E-07	4.46E-06	5.32E-07	7.08E-07	2.33E-06	1.61E-07
4732	469679.69	3818073.78	8.28E-06	3.48E-05	3.13E-06	6.90E-06	2.56E-05	2.25E-06	7.82E-07	4.48E-06	5.34E-07	7.11E-07	2.34E-06	1.62E-07
4733	469715.55	3818059.58	8.42E-06	3.54E-05	3.19E-06	7.02E-06	2.60E-05	2.29E-06	7.95E-07	4.55E-06	5.43E-07	7.23E-07	2.38E-06	1.64E-07
4734	469724.51	3818056.03	8.45E-06	3.55E-05	3.20E-06	7.04E-06	2.61E-05	2.29E-06	7.98E-07	4.57E-06	5.45E-07	7.26E-07	2.39E-06	1.65E-07
4735	469733.47	3818052.48	8.48E-06	3.56E-05	3.21E-06	7.06E-06	2.62E-05	2.30E-06	8.00E-07	4.58E-06	5.47E-07	7.28E-07	2.40E-06	1.65E-07
4736	469742.44	3818048.93	8.50E-06	3.57E-05	3.21E-06	7.08E-06	2.62E-05	2.31E-06	8.03E-07	4.60E-06	5.48E-07	7.30E-07	2.41E-06	1.66E-07
4737	469751.4	3818045.38	8.52E-06	3.58E-05	3.22E-06	7.10E-06	2.63E-05	2.31E-06	8.05E-07	4.61E-06	5.50E-07	7.32E-07	2.41E-06	1.66E-07
4738	469760.36	3818041.83	8.54E-06	3.59E-05	3.23E-06	7.12E-06	2.64E-05	2.32E-06	8.07E-07	4.62E-06	5.51E-07	7.33E-07	2.42E-06	1.67E-07
4739	469769.33	3818038.28	8.56E-06	3.60E-05	3.24E-06	7.13E-06	2.64E-05	2.32E-06	8.09E-07	4.63E-06	5.52E-07	7.35E-07	2.42E-06	1.67E-07
4740	469778.29	3818034.73	8.58E-06	3.60E-05	3.25E-06	7.15E-06	2.65E-05	2.33E-06	8.10E-07	4.64E-06	5.54E-07	7.37E-07	2.43E-06	1.67E-07
4741	469787.25	3818031.18	8.60E-06	3.61E-05	3.25E-06	7.16E-06	2.65E-05	2.33E-06	8.12E-07	4.65E-06	5.54E-07	7.38E-07	2.43E-06	1.68E-07
4742	469796.22	3818027.63	8.61E-06	3.62E-05	3.26E-06	7.17E-06	2.66E-05	2.34E-06	8.13E-07	4.66E-06	5.55E-07	7.39E-07	2.44E-06	1.68E-07

4743	469805.18	3818024.08	8.63E-06	3.62E-05	3.26E-06	7.18E-06	2.66E-05	2.34E-06	8.15E-07	4.66E-06	5.56E-07	7.40E-07	2.44E-06	1.68E-07
4744	469814.14	3818020.53	8.64E-06	3.63E-05	3.27E-06	7.19E-06	2.66E-05	2.34E-06	8.15E-07	4.67E-06	5.57E-07	7.41E-07	2.44E-06	1.68E-07
4745	469823.11	3818016.98	8.65E-06	3.63E-05	3.27E-06	7.20E-06	2.67E-05	2.35E-06	8.17E-07	4.68E-06	5.58E-07	7.43E-07	2.45E-06	1.69E-07
4746	469832.07	3818013.43	8.67E-06	3.64E-05	3.28E-06	7.22E-06	2.67E-05	2.35E-06	8.19E-07	4.69E-06	5.59E-07	7.44E-07	2.45E-06	1.69E-07
4747	469841.03	3818009.88	8.68E-06	3.65E-05	3.28E-06	7.23E-06	2.68E-05	2.36E-06	8.20E-07	4.69E-06	5.60E-07	7.45E-07	2.46E-06	1.69E-07
4748	469850	3818006.33	8.71E-06	3.66E-05	3.29E-06	7.25E-06	2.69E-05	2.36E-06	8.22E-07	4.71E-06	5.62E-07	7.47E-07	2.46E-06	1.70E-07
4749	469858.96	3818002.78	8.74E-06	3.67E-05	3.30E-06	7.28E-06	2.70E-05	2.37E-06	8.25E-07	4.72E-06	5.63E-07	7.50E-07	2.47E-06	1.70E-07
4750	469867.93	3817999.23	8.76E-06	3.68E-05	3.31E-06	7.30E-06	2.70E-05	2.38E-06	8.27E-07	4.74E-06	5.65E-07	7.52E-07	2.48E-06	1.71E-07
4751	469876.89	3817995.68	8.78E-06	3.69E-05	3.32E-06	7.32E-06	2.71E-05	2.38E-06	8.29E-07	4.75E-06	5.67E-07	7.54E-07	2.49E-06	1.71E-07
4752	469885.85	3817992.13	8.82E-06	3.70E-05	3.33E-06	7.34E-06	2.72E-05	2.39E-06	8.33E-07	4.77E-06	5.69E-07	7.57E-07	2.50E-06	1.72E-07
4753	469894.82	3817988.58	8.86E-06	3.72E-05	3.35E-06	7.38E-06	2.73E-05	2.40E-06	8.36E-07	4.79E-06	5.71E-07	7.60E-07	2.51E-06	1.73E-07
4754	469903.78	3817985.03	8.90E-06	3.74E-05	3.37E-06	7.42E-06	2.75E-05	2.42E-06	8.41E-07	4.81E-06	5.74E-07	7.64E-07	2.52E-06	1.74E-07
4755	469912.74	3817981.48	8.96E-06	3.76E-05	3.39E-06	7.46E-06	2.76E-05	2.43E-06	8.46E-07	4.84E-06	5.78E-07	7.69E-07	2.54E-06	1.75E-07
4756	469921.71	3817977.93	9.02E-06	3.79E-05	3.41E-06	7.51E-06	2.78E-05	2.45E-06	8.51E-07	4.87E-06	5.81E-07	7.74E-07	2.55E-06	1.76E-07
4757	469930.67	3817974.38	9.07E-06	3.81E-05	3.43E-06	7.56E-06	2.80E-05	2.46E-06	8.57E-07	4.90E-06	5.85E-07	7.79E-07	2.57E-06	1.77E-07
4758	469939.63	3817970.83	9.14E-06	3.84E-05	3.46E-06	7.61E-06	2.82E-05	2.48E-06	8.63E-07	4.94E-06	5.90E-07	7.85E-07	2.59E-06	1.78E-07
4759	469948.6	3817967.28	9.21E-06	3.87E-05	3.48E-06	7.67E-06	2.84E-05	2.50E-06	8.70E-07	4.98E-06	5.94E-07	7.91E-07	2.61E-06	1.80E-07
4760	469957.56	3817963.73	9.29E-06	3.90E-05	3.51E-06	7.74E-06	2.87E-05	2.52E-06	8.78E-07	5.02E-06	5.99E-07	7.98E-07	2.63E-06	1.81E-07
4761	469966.52	3817960.18	9.36E-06	3.93E-05	3.54E-06	7.80E-06	2.89E-05	2.54E-06	8.84E-07	5.06E-06	6.04E-07	8.04E-07	2.65E-06	1.83E-07
4762	469975.49	3817956.63	9.43E-06	3.96E-05	3.57E-06	7.85E-06	2.91E-05	2.56E-06	8.90E-07	5.10E-06	6.08E-07	8.09E-07	2.67E-06	1.84E-07
4763	469984.45	3817953.07	9.50E-06	3.99E-05	3.59E-06	7.91E-06	2.93E-05	2.58E-06	8.97E-07	5.13E-06	6.13E-07	8.15E-07	2.69E-06	1.85E-07
4764	469993.41	3817949.52	9.56E-06	4.02E-05	3.62E-06	7.97E-06	2.95E-05	2.60E-06	9.03E-07	5.17E-06	6.17E-07	8.21E-07	2.71E-06	1.87E-07
4765	470002.38	3817945.97	9.62E-06	4.04E-05	3.64E-06	8.01E-06	2.97E-05	2.61E-06	9.08E-07	5.20E-06	6.20E-07	8.26E-07	2.72E-06	1.88E-07
4766	470011.34	3817942.42	9.67E-06	4.06E-05	3.66E-06	8.06E-06	2.99E-05	2.63E-06	9.14E-07	5.23E-06	6.24E-07	8.30E-07	2.74E-06	1.89E-07
4767	470020.3	3817938.87	9.73E-06	4.08E-05	3.68E-06	8.10E-06	3.00E-05	2.64E-06	9.19E-07	5.26E-06	6.27E-07	8.35E-07	2.75E-06	1.90E-07
4768	470047.19	3817928.22	9.89E-06	4.15E-05	3.74E-06	8.23E-06	3.05E-05	2.68E-06	9.34E-07	5.34E-06	6.38E-07	8.49E-07	2.80E-06	1.93E-07
4769	470056.16	3817924.67	9.92E-06	4.17E-05	3.75E-06	8.27E-06	3.06E-05	2.69E-06	9.37E-07	5.37E-06	6.40E-07	8.52E-07	2.81E-06	1.94E-07
4770	470065.12	3817921.12	9.95E-06	4.18E-05	3.76E-06	8.29E-06	3.07E-05	2.70E-06	9.39E-07	5.38E-06	6.42E-07	8.54E-07	2.82E-06	1.94E-07
4771	470074.09	3817917.57	9.97E-06	4.19E-05	3.77E-06	8.30E-06	3.08E-05	2.71E-06	9.41E-07	5.39E-06	6.43E-07	8.56E-07	2.82E-06	1.94E-07
4772	470083.05	3817914.02	9.97E-06	4.19E-05	3.77E-06	8.31E-06	3.08E-05	2.71E-06	9.42E-07	5.39E-06	6.43E-07	8.56E-07	2.82E-06	1.95E-07
4773	470092.01	3817910.47	9.97E-06	4.19E-05	3.77E-06	8.30E-06	3.08E-05	2.71E-06	9.41E-07	5.39E-06	6.43E-07	8.56E-07	2.82E-06	1.94E-07
4774	470100.98	3817906.92	9.95E-06	4.18E-05	3.76E-06	8.29E-06	3.07E-05	2.70E-06	9.40E-07	5.38E-06	6.42E-07	8.54E-07	2.82E-06	1.94E-07
4775	470109.94	3817903.37	9.93E-06	4.17E-05	3.76E-06	8.27E-06	3.06E-05	2.70E-06	9.38E-07	5.37E-06	6.40E-07	8.52E-07	2.81E-06	1.94E-07
4776	470118.9	3817899.82	9.89E-06	4.15E-05	3.74E-06	8.24E-06	3.05E-05	2.68E-06	9.34E-07	5.35E-06	6.38E-07	8.49E-07	2.80E-06	1.93E-07
4777	468768.83	3819228.61	2.75E-06	1.16E-05	1.04E-06	2.29E-06	8.49E-06	7.47E-07	2.60E-07	1.49E-06	1.77E-07	2.36E-07	7.79E-07	5.37E-08
4778	468768.64	3819238.26	2.80E-06	1.18E-05	1.06E-06	2.33E-06	8.64E-06	7.60E-07	2.64E-07	1.51E-06	1.81E-07	2.40E-07	7.93E-07	5.46E-08
4779	468768.45	3819247.91	2.85E-06	1.20E-05	1.08E-06	2.38E-06	8.80E-06	7.74E-07	2.69E-07	1.54E-06	1.84E-07	2.45E-07	8.07E-07	5.57E-08
4780	468768.25	3819257.56	2.90E-06	1.22E-05	1.10E-06	2.42E-06	8.95E-06	7.87E-07	2.74E-07	1.57E-06	1.87E-07	2.49E-07	8.21E-07	5.66E-08
4781	468768.06	3819267.2	2.95E-06	1.24E-05	1.12E-06	2.46E-06	9.10E-06	8.00E-07	2.78E-07	1.59E-06	1.90E-07	2.53E-07	8.35E-07	5.75E-08
4782	468767.87	3819276.85	3.00E-06	1.26E-05	1.13E-06	2.50E-06	9.25E-06	8.14E-07	2.83E-07	1.62E-06	1.93E-07	2.57E-07	8.48E-07	5.85E-08
4783	468767.67	3819286.5	3.04E-06	1.28E-05	1.15E-06	2.53E-06	9.38E-06	8.25E-07	2.87E-07	1.64E-06	1.96E-07	2.61E-07	8.61E-07	5.93E-08
4784	468767.48	3819296.15	3.08E-06	1.30E-05	1.17E-06	2.57E-06	9.52E-06	8.37E-07	2.91E-07	1.67E-06	1.99E-07	2.65E-07	8.73E-07	6.02E-08

4785	468767.29	3819305.8	3.13E-06	1.31E-05	1.18E-06	2.60E-06	9.65E-06	8.49E-07	2.95E-07	1.69E-06	2.02E-07	2.68E-07	8.85E-07	6.10E-08
4786	468767.09	3819315.45	3.17E-06	1.33E-05	1.20E-06	2.64E-06	9.77E-06	8.59E-07	2.99E-07	1.71E-06	2.04E-07	2.72E-07	8.96E-07	6.18E-08
4787	468766.9	3819325.09	3.20E-06	1.35E-05	1.21E-06	2.67E-06	9.89E-06	8.70E-07	3.03E-07	1.73E-06	2.07E-07	2.75E-07	9.07E-07	6.25E-08
4788	468766.71	3819334.74	3.24E-06	1.36E-05	1.22E-06	2.70E-06	9.99E-06	8.79E-07	3.06E-07	1.75E-06	2.09E-07	2.78E-07	9.16E-07	6.32E-08
4789	468766.51	3819344.39	3.27E-06	1.37E-05	1.24E-06	2.72E-06	1.01E-05	8.87E-07	3.08E-07	1.77E-06	2.11E-07	2.80E-07	9.25E-07	6.37E-08
4790	468766.32	3819354.04	3.30E-06	1.38E-05	1.25E-06	2.74E-06	1.02E-05	8.95E-07	3.11E-07	1.78E-06	2.13E-07	2.83E-07	9.33E-07	6.43E-08
4791	468766.13	3819363.69	3.32E-06	1.40E-05	1.26E-06	2.77E-06	1.03E-05	9.02E-07	3.14E-07	1.80E-06	2.14E-07	2.85E-07	9.41E-07	6.49E-08
4792	468765.93	3819373.33	3.35E-06	1.41E-05	1.27E-06	2.79E-06	1.03E-05	9.09E-07	3.16E-07	1.81E-06	2.16E-07	2.87E-07	9.48E-07	6.53E-08
4793	468765.74	3819382.98	3.37E-06	1.42E-05	1.28E-06	2.81E-06	1.04E-05	9.15E-07	3.18E-07	1.82E-06	2.18E-07	2.89E-07	9.55E-07	6.58E-08
4794	468765.55	3819392.63	3.39E-06	1.42E-05	1.28E-06	2.82E-06	1.05E-05	9.21E-07	3.20E-07	1.83E-06	2.19E-07	2.91E-07	9.60E-07	6.62E-08
4795	468765.35	3819402.28	3.41E-06	1.43E-05	1.29E-06	2.84E-06	1.05E-05	9.26E-07	3.22E-07	1.84E-06	2.20E-07	2.93E-07	9.65E-07	6.66E-08
4796	468765.16	3819411.93	3.43E-06	1.44E-05	1.30E-06	2.85E-06	1.06E-05	9.30E-07	3.23E-07	1.85E-06	2.21E-07	2.94E-07	9.70E-07	6.68E-08
4797	468764.97	3819421.58	3.43E-06	1.44E-05	1.30E-06	2.86E-06	1.06E-05	9.32E-07	3.24E-07	1.86E-06	2.22E-07	2.95E-07	9.72E-07	6.70E-08
4798	468696.9	3819190.14	2.34E-06	9.84E-06	8.86E-07	1.95E-06	7.23E-06	6.36E-07	2.21E-07	1.27E-06	1.51E-07	2.01E-07	6.63E-07	4.57E-08
4799	468700.73	3819181.36	2.31E-06	9.72E-06	8.75E-07	1.93E-06	7.14E-06	6.28E-07	2.19E-07	1.25E-06	1.49E-07	1.99E-07	6.55E-07	4.52E-08
4800	468704.56	3819172.58	2.29E-06	9.62E-06	8.66E-07	1.91E-06	7.07E-06	6.22E-07	2.16E-07	1.24E-06	1.48E-07	1.97E-07	6.48E-07	4.47E-08
4801	468708.39	3819163.79	2.27E-06	9.52E-06	8.57E-07	1.89E-06	6.99E-06	6.15E-07	2.14E-07	1.22E-06	1.46E-07	1.95E-07	6.41E-07	4.42E-08
4802	468712.22	3819155.01	2.25E-06	9.43E-06	8.50E-07	1.87E-06	6.93E-06	6.10E-07	2.12E-07	1.21E-06	1.45E-07	1.93E-07	6.36E-07	4.38E-08
4803	468716.05	3819146.22	2.22E-06	9.33E-06	8.41E-07	1.85E-06	6.86E-06	6.03E-07	2.10E-07	1.20E-06	1.43E-07	1.91E-07	6.29E-07	4.34E-08
4804	468719.88	3819137.44	2.20E-06	9.25E-06	8.33E-07	1.84E-06	6.80E-06	5.98E-07	2.08E-07	1.19E-06	1.42E-07	1.89E-07	6.24E-07	4.30E-08
4805	468723.71	3819128.65	2.19E-06	9.19E-06	8.28E-07	1.82E-06	6.75E-06	5.94E-07	2.07E-07	1.18E-06	1.41E-07	1.88E-07	6.20E-07	4.27E-08
4806	468727.54	3819119.87	2.17E-06	9.13E-06	8.22E-07	1.81E-06	6.71E-06	5.90E-07	2.05E-07	1.18E-06	1.40E-07	1.87E-07	6.15E-07	4.24E-08
4807	468731.38	3819111.08	2.16E-06	9.09E-06	8.19E-07	1.80E-06	6.68E-06	5.88E-07	2.04E-07	1.17E-06	1.40E-07	1.86E-07	6.13E-07	4.22E-08
4808	469045.52	3818390.75	4.32E-06	1.82E-05	1.64E-06	3.60E-06	1.33E-05	1.17E-06	4.08E-07	2.34E-06	2.79E-07	3.71E-07	1.22E-06	8.44E-08
4809	469049.35	3818381.96	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.79E-07	3.72E-07	1.23E-06	8.45E-08
4810	469053.18	3818373.18	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.79E-07	3.72E-07	1.23E-06	8.45E-08
4811	469057.01	3818364.39	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.79E-07	3.72E-07	1.23E-06	8.45E-08
4812	469060.85	3818355.61	4.32E-06	1.82E-05	1.64E-06	3.60E-06	1.33E-05	1.17E-06	4.08E-07	2.34E-06	2.79E-07	3.71E-07	1.22E-06	8.44E-08
4813	469064.68	3818346.83	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.79E-07	3.72E-07	1.23E-06	8.45E-08
4814	469068.51	3818338.04	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.80E-07	3.72E-07	1.23E-06	8.46E-08
4815	469072.34	3818329.26	4.34E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.10E-07	2.35E-06	2.80E-07	3.72E-07	1.23E-06	8.47E-08
4816	469076.17	3818320.47	4.34E-06	1.82E-05	1.64E-06	3.62E-06	1.34E-05	1.18E-06	4.10E-07	2.35E-06	2.80E-07	3.73E-07	1.23E-06	8.48E-08
4817	469080	3818311.69	4.35E-06	1.83E-05	1.65E-06	3.63E-06	1.34E-05	1.18E-06	4.11E-07	2.35E-06	2.81E-07	3.74E-07	1.23E-06	8.50E-08
4818	469083.83	3818302.9	4.36E-06	1.83E-05	1.65E-06	3.63E-06	1.35E-05	1.18E-06	4.12E-07	2.36E-06	2.81E-07	3.75E-07	1.24E-06	8.51E-08
4819	469087.66	3818294.12	4.38E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.13E-07	2.37E-06	2.82E-07	3.76E-07	1.24E-06	8.54E-08
4820	469091.49	3818285.33	4.38E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.14E-07	2.37E-06	2.83E-07	3.76E-07	1.24E-06	8.55E-08
4821	469095.32	3818276.55	4.39E-06	1.84E-05	1.66E-06	3.66E-06	1.36E-05	1.19E-06	4.15E-07	2.37E-06	2.83E-07	3.77E-07	1.24E-06	8.57E-08
4822	469099.16	3818267.76	4.41E-06	1.85E-05	1.67E-06	3.67E-06	1.36E-05	1.20E-06	4.16E-07	2.38E-06	2.84E-07	3.78E-07	1.25E-06	8.60E-08
4823	469102.99	3818258.98	4.42E-06	1.86E-05	1.67E-06	3.68E-06	1.36E-05	1.20E-06	4.17E-07	2.39E-06	2.85E-07	3.80E-07	1.25E-06	8.63E-08
4824	469106.82	3818250.2	4.45E-06	1.87E-05	1.68E-06	3.70E-06	1.37E-05	1.21E-06	4.20E-07	2.40E-06	2.87E-07	3.82E-07	1.26E-06	8.67E-08
4825	469110.65	3818241.41	4.47E-06	1.88E-05	1.69E-06	3.72E-06	1.38E-05	1.21E-06	4.22E-07	2.42E-06	2.88E-07	3.84E-07	1.27E-06	8.72E-08
4826	469114.48	3818232.63	4.49E-06	1.89E-05	1.70E-06	3.74E-06	1.39E-05	1.22E-06	4.24E-07	2.43E-06	2.90E-07	3.86E-07	1.27E-06	8.77E-08

4827	469118.31	3818223.84	4.52E-06	1.90E-05	1.71E-06	3.77E-06	1.40E-05	1.23E-06	4.27E-07	2.44E-06	2.92E-07	3.88E-07	1.28E-06	8.82E-08
4828	469131.05	3818211.53	4.62E-06	1.94E-05	1.75E-06	3.85E-06	1.43E-05	1.25E-06	4.37E-07	2.50E-06	2.98E-07	3.97E-07	1.31E-06	9.02E-08
4829	469139.96	3818208	4.70E-06	1.97E-05	1.78E-06	3.91E-06	1.45E-05	1.27E-06	4.43E-07	2.54E-06	3.03E-07	4.03E-07	1.33E-06	9.16E-08
4830	469148.87	3818204.47	4.77E-06	2.00E-05	1.80E-06	3.97E-06	1.47E-05	1.30E-06	4.51E-07	2.58E-06	3.08E-07	4.10E-07	1.35E-06	9.31E-08
4831	469157.78	3818200.94	4.84E-06	2.03E-05	1.83E-06	4.03E-06	1.49E-05	1.31E-06	4.57E-07	2.62E-06	3.12E-07	4.16E-07	1.37E-06	9.45E-08
4832	469166.69	3818197.41	4.92E-06	2.07E-05	1.86E-06	4.10E-06	1.52E-05	1.34E-06	4.65E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.60E-08
4833	469175.6	3818193.88	5.00E-06	2.10E-05	1.89E-06	4.16E-06	1.54E-05	1.36E-06	4.72E-07	2.70E-06	3.22E-07	4.29E-07	1.41E-06	9.75E-08
4834	469184.51	3818190.35	5.08E-06	2.13E-05	1.92E-06	4.23E-06	1.57E-05	1.38E-06	4.79E-07	2.74E-06	3.27E-07	4.36E-07	1.44E-06	9.90E-08
4835	469193.42	3818186.83	5.15E-06	2.16E-05	1.95E-06	4.29E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.32E-07	4.42E-07	1.46E-06	1.01E-07
4836	469202.33	3818183.3	5.22E-06	2.19E-05	1.98E-06	4.35E-06	1.61E-05	1.42E-06	4.93E-07	2.82E-06	3.37E-07	4.48E-07	1.48E-06	1.02E-07
4837	469211.24	3818179.77	5.29E-06	2.22E-05	2.00E-06	4.41E-06	1.63E-05	1.44E-06	5.00E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
4838	469220.15	3818176.24	5.36E-06	2.25E-05	2.03E-06	4.46E-06	1.65E-05	1.45E-06	5.06E-07	2.90E-06	3.46E-07	4.60E-07	1.52E-06	1.05E-07
4839	469229.06	3818172.71	5.43E-06	2.28E-05	2.05E-06	4.52E-06	1.67E-05	1.47E-06	5.12E-07	2.93E-06	3.50E-07	4.66E-07	1.54E-06	1.06E-07
4840	469237.97	3818169.18	5.48E-06	2.30E-05	2.07E-06	4.57E-06	1.69E-05	1.49E-06	5.18E-07	2.96E-06	3.54E-07	4.71E-07	1.55E-06	1.07E-07
4841	469246.89	3818165.65	5.54E-06	2.33E-05	2.10E-06	4.62E-06	1.71E-05	1.50E-06	5.23E-07	3.00E-06	3.57E-07	4.76E-07	1.57E-06	1.08E-07
4842	469255.8	3818162.12	5.60E-06	2.35E-05	2.12E-06	4.66E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.58E-06	1.09E-07
4843	469264.71	3818158.59	5.65E-06	2.37E-05	2.14E-06	4.70E-06	1.74E-05	1.53E-06	5.33E-07	3.05E-06	3.64E-07	4.85E-07	1.60E-06	1.10E-07
4844	469273.62	3818155.06	5.70E-06	2.39E-05	2.15E-06	4.74E-06	1.76E-05	1.55E-06	5.38E-07	3.08E-06	3.67E-07	4.89E-07	1.61E-06	1.11E-07
4845	469282.53	3818151.54	5.74E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.42E-07	3.10E-06	3.70E-07	4.93E-07	1.62E-06	1.12E-07
4846	469291.44	3818148.01	5.78E-06	2.43E-05	2.19E-06	4.81E-06	1.78E-05	1.57E-06	5.46E-07	3.12E-06	3.73E-07	4.96E-07	1.64E-06	1.13E-07
4847	469300.35	3818144.48	5.81E-06	2.44E-05	2.20E-06	4.84E-06	1.79E-05	1.58E-06	5.49E-07	3.14E-06	3.75E-07	4.99E-07	1.64E-06	1.13E-07
4848	469309.26	3818140.95	5.84E-06	2.45E-05	2.21E-06	4.87E-06	1.80E-05	1.59E-06	5.52E-07	3.16E-06	3.77E-07	5.02E-07	1.65E-06	1.14E-07
4849	469318.17	3818137.42	5.87E-06	2.47E-05	2.22E-06	4.89E-06	1.81E-05	1.59E-06	5.55E-07	3.18E-06	3.79E-07	5.04E-07	1.66E-06	1.15E-07
4850	469327.08	3818133.89	5.90E-06	2.48E-05	2.23E-06	4.92E-06	1.82E-05	1.60E-06	5.57E-07	3.19E-06	3.81E-07	5.07E-07	1.67E-06	1.15E-07
4851	469335.99	3818130.36	5.94E-06	2.49E-05	2.25E-06	4.94E-06	1.83E-05	1.61E-06	5.61E-07	3.21E-06	3.83E-07	5.10E-07	1.68E-06	1.16E-07
4852	469344.9	3818126.83	5.97E-06	2.51E-05	2.26E-06	4.97E-06	1.84E-05	1.62E-06	5.64E-07	3.23E-06	3.85E-07	5.12E-07	1.69E-06	1.16E-07
4853	469353.81	3818123.3	6.00E-06	2.52E-05	2.27E-06	5.00E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
4854	469362.72	3818119.77	6.03E-06	2.53E-05	2.28E-06	5.02E-06	1.86E-05	1.64E-06	5.70E-07	3.26E-06	3.89E-07	5.18E-07	1.71E-06	1.18E-07
4855	469371.63	3818116.25	6.06E-06	2.54E-05	2.29E-06	5.04E-06	1.87E-05	1.64E-06	5.72E-07	3.27E-06	3.91E-07	5.20E-07	1.71E-06	1.18E-07
4856	469380.54	3818112.72	6.08E-06	2.55E-05	2.30E-06	5.06E-06	1.88E-05	1.65E-06	5.74E-07	3.29E-06	3.92E-07	5.22E-07	1.72E-06	1.19E-07
4857	469389.45	3818109.19	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.66E-06	5.76E-07	3.30E-06	3.94E-07	5.24E-07	1.73E-06	1.19E-07
4858	469398.36	3818105.66	6.13E-06	2.58E-05	2.32E-06	5.11E-06	1.89E-05	1.66E-06	5.79E-07	3.32E-06	3.96E-07	5.27E-07	1.74E-06	1.20E-07
4859	469407.27	3818102.13	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.82E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
4860	469416.18	3818098.6	6.19E-06	2.60E-05	2.34E-06	5.16E-06	1.91E-05	1.68E-06	5.85E-07	3.35E-06	3.99E-07	5.31E-07	1.75E-06	1.21E-07
4861	469425.09	3818095.07	6.22E-06	2.61E-05	2.35E-06	5.19E-06	1.92E-05	1.69E-06	5.88E-07	3.37E-06	4.02E-07	5.34E-07	1.76E-06	1.21E-07
4862	469434	3818091.54	6.26E-06	2.63E-05	2.37E-06	5.21E-06	1.93E-05	1.70E-06	5.91E-07	3.38E-06	4.04E-07	5.37E-07	1.77E-06	1.22E-07
4863	469442.91	3818088.01	6.29E-06	2.64E-05	2.38E-06	5.24E-06	1.94E-05	1.71E-06	5.94E-07	3.40E-06	4.06E-07	5.40E-07	1.78E-06	1.23E-07
4864	469451.82	3818084.48	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.98E-07	3.42E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
4865	469460.73	3818080.96	6.38E-06	2.68E-05	2.41E-06	5.32E-06	1.97E-05	1.73E-06	6.03E-07	3.45E-06	4.12E-07	5.48E-07	1.81E-06	1.25E-07
4866	469469.64	3818077.43	6.43E-06	2.70E-05	2.43E-06	5.36E-06	1.98E-05	1.75E-06	6.07E-07	3.48E-06	4.15E-07	5.52E-07	1.82E-06	1.25E-07
4867	469478.55	3818073.9	6.48E-06	2.72E-05	2.45E-06	5.40E-06	2.00E-05	1.76E-06	6.12E-07	3.51E-06	4.18E-07	5.57E-07	1.84E-06	1.27E-07
4868	469487.46	3818070.37	6.53E-06	2.74E-05	2.47E-06	5.44E-06	2.02E-05	1.77E-06	6.17E-07	3.53E-06	4.21E-07	5.61E-07	1.85E-06	1.27E-07

4869	469496.37	3818066.84	6.58E-06	2.76E-05	2.49E-06	5.48E-06	2.03E-05	1.79E-06	6.21E-07	3.56E-06	4.24E-07	5.65E-07	1.86E-06	1.28E-07
4870	469505.28	3818063.31	6.63E-06	2.78E-05	2.51E-06	5.52E-06	2.05E-05	1.80E-06	6.26E-07	3.58E-06	4.28E-07	5.69E-07	1.88E-06	1.29E-07
4871	469514.19	3818059.78	6.68E-06	2.80E-05	2.53E-06	5.56E-06	2.06E-05	1.81E-06	6.31E-07	3.61E-06	4.31E-07	5.73E-07	1.89E-06	1.30E-07
4872	469523.1	3818056.25	6.73E-06	2.82E-05	2.54E-06	5.60E-06	2.08E-05	1.83E-06	6.35E-07	3.64E-06	4.34E-07	5.77E-07	1.90E-06	1.31E-07
4873	469532.01	3818052.72	6.78E-06	2.85E-05	2.56E-06	5.65E-06	2.09E-05	1.84E-06	6.40E-07	3.66E-06	4.37E-07	5.82E-07	1.92E-06	1.32E-07
4874	469540.92	3818049.19	6.83E-06	2.87E-05	2.58E-06	5.69E-06	2.11E-05	1.85E-06	6.45E-07	3.69E-06	4.41E-07	5.86E-07	1.93E-06	1.33E-07
4875	469549.83	3818045.67	6.89E-06	2.89E-05	2.61E-06	5.74E-06	2.13E-05	1.87E-06	6.51E-07	3.72E-06	4.44E-07	5.91E-07	1.95E-06	1.34E-07
4876	469558.74	3818042.14	6.95E-06	2.92E-05	2.63E-06	5.79E-06	2.14E-05	1.89E-06	6.56E-07	3.76E-06	4.48E-07	5.96E-07	1.97E-06	1.36E-07
4877	469567.65	3818038.61	7.00E-06	2.94E-05	2.65E-06	5.83E-06	2.16E-05	1.90E-06	6.61E-07	3.78E-06	4.51E-07	6.01E-07	1.98E-06	1.37E-07
4878	469576.56	3818035.08	7.05E-06	2.96E-05	2.67E-06	5.87E-06	2.18E-05	1.91E-06	6.66E-07	3.81E-06	4.55E-07	6.05E-07	2.00E-06	1.38E-07
4879	469585.47	3818031.55	7.10E-06	2.98E-05	2.69E-06	5.91E-06	2.19E-05	1.93E-06	6.71E-07	3.84E-06	4.58E-07	6.10E-07	2.01E-06	1.39E-07
4880	469594.38	3818028.02	7.14E-06	3.00E-05	2.70E-06	5.95E-06	2.20E-05	1.94E-06	6.75E-07	3.86E-06	4.61E-07	6.13E-07	2.02E-06	1.39E-07
4881	469603.29	3818024.49	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.04E-06	1.40E-07
4882	469612.2	3818020.96	7.24E-06	3.04E-05	2.74E-06	6.03E-06	2.23E-05	1.96E-06	6.83E-07	3.91E-06	4.67E-07	6.21E-07	2.05E-06	1.41E-07
4883	469621.11	3818017.43	7.28E-06	3.06E-05	2.75E-06	6.06E-06	2.25E-05	1.98E-06	6.87E-07	3.93E-06	4.69E-07	6.25E-07	2.06E-06	1.42E-07
4884	469630.02	3818013.9	7.32E-06	3.07E-05	2.77E-06	6.09E-06	2.26E-05	1.99E-06	6.91E-07	3.96E-06	4.72E-07	6.28E-07	2.07E-06	1.43E-07
4885	469638.93	3818010.38	7.36E-06	3.09E-05	2.78E-06	6.13E-06	2.27E-05	2.00E-06	6.95E-07	3.98E-06	4.74E-07	6.31E-07	2.08E-06	1.44E-07
4886	469647.84	3818006.85	7.39E-06	3.11E-05	2.80E-06	6.16E-06	2.28E-05	2.01E-06	6.98E-07	4.00E-06	4.77E-07	6.35E-07	2.09E-06	1.44E-07
4887	469656.75	3818003.32	7.43E-06	3.12E-05	2.81E-06	6.19E-06	2.29E-05	2.02E-06	7.01E-07	4.02E-06	4.79E-07	6.38E-07	2.10E-06	1.45E-07
4888	469665.66	3817999.79	7.46E-06	3.13E-05	2.82E-06	6.21E-06	2.30E-05	2.03E-06	7.05E-07	4.03E-06	4.81E-07	6.41E-07	2.11E-06	1.46E-07
4889	469674.58	3817996.26	7.49E-06	3.15E-05	2.83E-06	6.24E-06	2.31E-05	2.03E-06	7.07E-07	4.05E-06	4.83E-07	6.43E-07	2.12E-06	1.46E-07
4890	469710.22	3817982.14	7.58E-06	3.18E-05	2.87E-06	6.31E-06	2.34E-05	2.06E-06	7.15E-07	4.10E-06	4.89E-07	6.50E-07	2.14E-06	1.48E-07
4891	469719.13	3817978.61	7.59E-06	3.19E-05	2.87E-06	6.32E-06	2.34E-05	2.06E-06	7.17E-07	4.10E-06	4.90E-07	6.52E-07	2.15E-06	1.48E-07
4892	469728.04	3817975.09	7.61E-06	3.19E-05	2.88E-06	6.33E-06	2.35E-05	2.06E-06	7.18E-07	4.11E-06	4.91E-07	6.53E-07	2.15E-06	1.48E-07
4893	469736.95	3817971.56	7.62E-06	3.20E-05	2.88E-06	6.35E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.91E-07	6.54E-07	2.16E-06	1.49E-07
4894	469745.86	3817968.03	7.63E-06	3.20E-05	2.89E-06	6.36E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.92E-07	6.55E-07	2.16E-06	1.49E-07
4895	469754.77	3817964.5	7.64E-06	3.21E-05	2.89E-06	6.36E-06	2.36E-05	2.07E-06	7.21E-07	4.13E-06	4.93E-07	6.56E-07	2.16E-06	1.49E-07
4896	469763.68	3817960.97	7.65E-06	3.21E-05	2.89E-06	6.37E-06	2.36E-05	2.08E-06	7.22E-07	4.13E-06	4.93E-07	6.57E-07	2.17E-06	1.49E-07
4897	469772.59	3817957.44	7.65E-06	3.21E-05	2.89E-06	6.38E-06	2.36E-05	2.08E-06	7.23E-07	4.14E-06	4.94E-07	6.57E-07	2.17E-06	1.49E-07
4898	469781.5	3817953.91	7.66E-06	3.22E-05	2.90E-06	6.38E-06	2.36E-05	2.08E-06	7.24E-07	4.14E-06	4.94E-07	6.58E-07	2.17E-06	1.50E-07
4899	469790.41	3817950.38	7.67E-06	3.22E-05	2.90E-06	6.39E-06	2.37E-05	2.08E-06	7.25E-07	4.15E-06	4.95E-07	6.59E-07	2.17E-06	1.50E-07
4900	469799.32	3817946.85	7.68E-06	3.22E-05	2.90E-06	6.40E-06	2.37E-05	2.08E-06	7.25E-07	4.15E-06	4.95E-07	6.59E-07	2.17E-06	1.50E-07
4901	469808.23	3817943.33	7.69E-06	3.23E-05	2.91E-06	6.41E-06	2.37E-05	2.09E-06	7.26E-07	4.16E-06	4.96E-07	6.60E-07	2.18E-06	1.50E-07
4902	469817.14	3817939.8	7.70E-06	3.23E-05	2.91E-06	6.42E-06	2.38E-05	2.09E-06	7.27E-07	4.16E-06	4.97E-07	6.61E-07	2.18E-06	1.50E-07
4903	469826.05	3817936.27	7.72E-06	3.24E-05	2.92E-06	6.43E-06	2.38E-05	2.10E-06	7.29E-07	4.17E-06	4.98E-07	6.63E-07	2.19E-06	1.51E-07
4904	469834.96	3817932.74	7.74E-06	3.25E-05	2.93E-06	6.45E-06	2.39E-05	2.10E-06	7.31E-07	4.18E-06	4.99E-07	6.64E-07	2.19E-06	1.51E-07
4905	469843.87	3817929.21	7.76E-06	3.26E-05	2.93E-06	6.46E-06	2.39E-05	2.11E-06	7.33E-07	4.19E-06	5.00E-07	6.66E-07	2.20E-06	1.51E-07
4906	469852.78	3817925.68	7.78E-06	3.27E-05	2.94E-06	6.48E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.68E-07	2.20E-06	1.52E-07
4907	469861.69	3817922.15	7.80E-06	3.28E-05	2.95E-06	6.50E-06	2.41E-05	2.12E-06	7.37E-07	4.22E-06	5.03E-07	6.70E-07	2.21E-06	1.52E-07
4908	469870.6	3817918.62	7.84E-06	3.29E-05	2.96E-06	6.53E-06	2.42E-05	2.13E-06	7.40E-07	4.24E-06	5.05E-07	6.73E-07	2.22E-06	1.53E-07
4909	469879.51	3817915.09	7.87E-06	3.31E-05	2.98E-06	6.56E-06	2.43E-05	2.14E-06	7.44E-07	4.26E-06	5.08E-07	6.76E-07	2.23E-06	1.54E-07
4910	469888.42	3817911.56	7.91E-06	3.32E-05	2.99E-06	6.59E-06	2.44E-05	2.15E-06	7.47E-07	4.28E-06	5.10E-07	6.79E-07	2.24E-06	1.54E-07

4911	469897.33	3817908.04	7.95E-06	3.34E-05	3.01E-06	6.62E-06	2.45E-05	2.16E-06	7.50E-07	4.30E-06	5.13E-07	6.82E-07	2.25E-06	1.55E-07
4912	469906.24	3817904.51	8.00E-06	3.36E-05	3.03E-06	6.66E-06	2.47E-05	2.17E-06	7.55E-07	4.32E-06	5.16E-07	6.87E-07	2.26E-06	1.56E-07
4913	469915.15	3817900.98	8.06E-06	3.38E-05	3.05E-06	6.71E-06	2.49E-05	2.19E-06	7.61E-07	4.36E-06	5.20E-07	6.92E-07	2.28E-06	1.57E-07
4914	469924.06	3817897.45	8.12E-06	3.41E-05	3.07E-06	6.76E-06	2.51E-05	2.20E-06	7.67E-07	4.39E-06	5.24E-07	6.97E-07	2.30E-06	1.58E-07
4915	469977.52	3817876.27	8.48E-06	3.56E-05	3.21E-06	7.06E-06	2.62E-05	2.30E-06	8.00E-07	4.58E-06	5.47E-07	7.28E-07	2.40E-06	1.65E-07
4916	469986.43	3817872.75	8.55E-06	3.59E-05	3.23E-06	7.12E-06	2.64E-05	2.32E-06	8.07E-07	4.62E-06	5.51E-07	7.34E-07	2.42E-06	1.67E-07
4917	469995.34	3817869.22	8.62E-06	3.62E-05	3.26E-06	7.18E-06	2.66E-05	2.34E-06	8.14E-07	4.66E-06	5.56E-07	7.40E-07	2.44E-06	1.68E-07
4918	470004.25	3817865.69	8.69E-06	3.65E-05	3.29E-06	7.24E-06	2.68E-05	2.36E-06	8.20E-07	4.70E-06	5.60E-07	7.46E-07	2.46E-06	1.70E-07
4919	470013.16	3817862.16	8.76E-06	3.68E-05	3.31E-06	7.29E-06	2.70E-05	2.38E-06	8.27E-07	4.73E-06	5.65E-07	7.52E-07	2.48E-06	1.71E-07
4920	470022.07	3817858.63	8.81E-06	3.70E-05	3.33E-06	7.34E-06	2.72E-05	2.39E-06	8.32E-07	4.76E-06	5.68E-07	7.57E-07	2.49E-06	1.72E-07
4921	470048.8	3817848.04	8.95E-06	3.76E-05	3.39E-06	7.46E-06	2.76E-05	2.43E-06	8.45E-07	4.84E-06	5.77E-07	7.69E-07	2.53E-06	1.75E-07
4922	470057.71	3817844.51	8.98E-06	3.77E-05	3.40E-06	7.48E-06	2.77E-05	2.44E-06	8.48E-07	4.86E-06	5.79E-07	7.71E-07	2.54E-06	1.75E-07
4923	470066.62	3817840.98	9.01E-06	3.78E-05	3.41E-06	7.50E-06	2.78E-05	2.44E-06	8.50E-07	4.87E-06	5.81E-07	7.73E-07	2.55E-06	1.76E-07
4924	470075.53	3817837.46	9.02E-06	3.79E-05	3.41E-06	7.51E-06	2.78E-05	2.45E-06	8.51E-07	4.87E-06	5.81E-07	7.74E-07	2.55E-06	1.76E-07
4925	470084.44	3817833.93	9.02E-06	3.79E-05	3.41E-06	7.51E-06	2.78E-05	2.45E-06	8.51E-07	4.87E-06	5.81E-07	7.74E-07	2.55E-06	1.76E-07
4926	470093.35	3817830.4	9.02E-06	3.79E-05	3.41E-06	7.51E-06	2.78E-05	2.45E-06	8.51E-07	4.87E-06	5.81E-07	7.74E-07	2.55E-06	1.76E-07
4927	470102.27	3817826.87	9.00E-06	3.78E-05	3.40E-06	7.50E-06	2.78E-05	2.44E-06	8.50E-07	4.87E-06	5.81E-07	7.73E-07	2.55E-06	1.76E-07
4928	468688.85	3819227.01	2.48E-06	1.04E-05	9.39E-07	2.07E-06	7.66E-06	6.74E-07	2.34E-07	1.34E-06	1.60E-07	2.13E-07	7.03E-07	4.84E-08
4929	468688.66	3819236.66	2.53E-06	1.06E-05	9.55E-07	2.10E-06	7.79E-06	6.86E-07	2.38E-07	1.37E-06	1.63E-07	2.17E-07	7.15E-07	4.93E-08
4930	468688.46	3819246.31	2.57E-06	1.08E-05	9.72E-07	2.14E-06	7.93E-06	6.97E-07	2.43E-07	1.39E-06	1.66E-07	2.21E-07	7.27E-07	5.01E-08
4931	468688.27	3819255.95	2.61E-06	1.10E-05	9.88E-07	2.18E-06	8.06E-06	7.09E-07	2.47E-07	1.41E-06	1.68E-07	2.24E-07	7.39E-07	5.10E-08
4932	468688.08	3819265.6	2.66E-06	1.12E-05	1.01E-06	2.22E-06	8.21E-06	7.22E-07	2.51E-07	1.44E-06	1.72E-07	2.28E-07	7.53E-07	5.19E-08
4933	468687.88	3819275.25	2.70E-06	1.14E-05	1.02E-06	2.25E-06	8.34E-06	7.34E-07	2.55E-07	1.46E-06	1.74E-07	2.32E-07	7.65E-07	5.28E-08
4934	468687.69	3819284.9	2.75E-06	1.15E-05	1.04E-06	2.29E-06	8.48E-06	7.46E-07	2.59E-07	1.48E-06	1.77E-07	2.36E-07	7.77E-07	5.36E-08
4935	468687.5	3819294.55	2.79E-06	1.17E-05	1.05E-06	2.32E-06	8.60E-06	7.56E-07	2.63E-07	1.51E-06	1.80E-07	2.39E-07	7.88E-07	5.44E-08
4936	468687.3	3819304.2	2.82E-06	1.19E-05	1.07E-06	2.35E-06	8.71E-06	7.67E-07	2.67E-07	1.53E-06	1.82E-07	2.42E-07	7.99E-07	5.51E-08
4937	468687.11	3819313.84	2.86E-06	1.20E-05	1.08E-06	2.38E-06	8.82E-06	7.76E-07	2.70E-07	1.54E-06	1.84E-07	2.45E-07	8.09E-07	5.58E-08
4938	468686.92	3819323.49	2.89E-06	1.21E-05	1.09E-06	2.41E-06	8.92E-06	7.85E-07	2.73E-07	1.56E-06	1.86E-07	2.48E-07	8.18E-07	5.64E-08
4939	468686.72	3819333.14	2.92E-06	1.23E-05	1.11E-06	2.44E-06	9.03E-06	7.94E-07	2.76E-07	1.58E-06	1.89E-07	2.51E-07	8.28E-07	5.71E-08
4940	468686.53	3819342.79	2.95E-06	1.24E-05	1.12E-06	2.46E-06	9.11E-06	8.02E-07	2.79E-07	1.60E-06	1.91E-07	2.54E-07	8.36E-07	5.76E-08
4941	468686.34	3819352.44	2.98E-06	1.25E-05	1.13E-06	2.48E-06	9.19E-06	8.08E-07	2.81E-07	1.61E-06	1.92E-07	2.56E-07	8.43E-07	5.81E-08
4942	468686.14	3819362.08	3.00E-06	1.26E-05	1.14E-06	2.50E-06	9.26E-06	8.15E-07	2.83E-07	1.62E-06	1.94E-07	2.58E-07	8.50E-07	5.86E-08
4943	468685.95	3819371.73	3.02E-06	1.27E-05	1.14E-06	2.52E-06	9.32E-06	8.20E-07	2.85E-07	1.63E-06	1.95E-07	2.59E-07	8.55E-07	5.89E-08
4944	468685.76	3819381.38	3.04E-06	1.28E-05	1.15E-06	2.53E-06	9.38E-06	8.25E-07	2.87E-07	1.64E-06	1.96E-07	2.61E-07	8.61E-07	5.93E-08
4945	468685.56	3819391.03	3.05E-06	1.28E-05	1.16E-06	2.54E-06	9.43E-06	8.29E-07	2.88E-07	1.65E-06	1.97E-07	2.62E-07	8.65E-07	5.96E-08
4946	468685.37	3819400.68	3.07E-06	1.29E-05	1.16E-06	2.56E-06	9.47E-06	8.33E-07	2.90E-07	1.66E-06	1.98E-07	2.63E-07	8.69E-07	5.99E-08
4947	468685.18	3819410.33	3.08E-06	1.30E-05	1.17E-06	2.57E-06	9.52E-06	8.37E-07	2.91E-07	1.67E-06	1.99E-07	2.65E-07	8.73E-07	6.02E-08
4948	468684.98	3819419.97	3.09E-06	1.30E-05	1.17E-06	2.58E-06	9.55E-06	8.40E-07	2.92E-07	1.67E-06	2.00E-07	2.66E-07	8.76E-07	6.04E-08
4949	468616.94	3819188.49	2.12E-06	8.89E-06	8.01E-07	1.76E-06	6.53E-06	5.75E-07	2.00E-07	1.14E-06	1.37E-07	1.82E-07	5.99E-07	4.13E-08
4950	468620.78	3819179.68	2.09E-06	8.79E-06	7.91E-07	1.74E-06	6.46E-06	5.68E-07	1.98E-07	1.13E-06	1.35E-07	1.80E-07	5.92E-07	4.08E-08
4951	468624.62	3819170.87	2.07E-06	8.71E-06	7.84E-07	1.73E-06	6.40E-06	5.63E-07	1.96E-07	1.12E-06	1.34E-07	1.78E-07	5.87E-07	4.05E-08
4952	468628.46	3819162.05	2.05E-06	8.61E-06	7.75E-07	1.71E-06	6.32E-06	5.56E-07	1.94E-07	1.11E-06	1.32E-07	1.76E-07	5.80E-07	4.00E-08

4953	468632.31	3819153.24	2.03E-06	8.51E-06	7.66E-07	1.69E-06	6.25E-06	5.50E-07	1.91E-07	1.09E-06	1.31E-07	1.74E-07	5.73E-07	3.95E-08
4954	468636.15	3819144.43	2.01E-06	8.42E-06	7.59E-07	1.67E-06	6.19E-06	5.45E-07	1.89E-07	1.08E-06	1.29E-07	1.72E-07	5.68E-07	3.91E-08
4955	468639.99	3819135.62	1.99E-06	8.34E-06	7.51E-07	1.65E-06	6.13E-06	5.39E-07	1.88E-07	1.07E-06	1.28E-07	1.71E-07	5.62E-07	3.88E-08
4956	468643.84	3819126.81	1.97E-06	8.28E-06	7.46E-07	1.64E-06	6.09E-06	5.35E-07	1.86E-07	1.07E-06	1.27E-07	1.69E-07	5.58E-07	3.85E-08
4957	468647.68	3819118	1.96E-06	8.22E-06	7.40E-07	1.63E-06	6.04E-06	5.31E-07	1.85E-07	1.06E-06	1.26E-07	1.68E-07	5.54E-07	3.82E-08
4958	468651.52	3819109.18	1.95E-06	8.18E-06	7.37E-07	1.62E-06	6.01E-06	5.29E-07	1.84E-07	1.05E-06	1.26E-07	1.67E-07	5.51E-07	3.80E-08
4959	468655.36	3819100.37	1.93E-06	8.12E-06	7.31E-07	1.61E-06	5.97E-06	5.25E-07	1.83E-07	1.05E-06	1.25E-07	1.66E-07	5.47E-07	3.77E-08
4960	468659.21	3819091.56	1.93E-06	8.10E-06	7.30E-07	1.61E-06	5.95E-06	5.24E-07	1.82E-07	1.04E-06	1.24E-07	1.66E-07	5.46E-07	3.76E-08
4961	468663.05	3819082.75	1.92E-06	8.06E-06	7.26E-07	1.60E-06	5.92E-06	5.21E-07	1.81E-07	1.04E-06	1.24E-07	1.65E-07	5.43E-07	3.75E-08
4962	468666.89	3819073.94	1.91E-06	8.04E-06	7.24E-07	1.59E-06	5.91E-06	5.20E-07	1.81E-07	1.04E-06	1.23E-07	1.64E-07	5.42E-07	3.74E-08
4963	468670.74	3819065.13	1.91E-06	8.02E-06	7.22E-07	1.59E-06	5.89E-06	5.18E-07	1.80E-07	1.03E-06	1.23E-07	1.64E-07	5.41E-07	3.73E-08
4964	468674.58	3819056.31	1.91E-06	8.02E-06	7.22E-07	1.59E-06	5.89E-06	5.18E-07	1.80E-07	1.03E-06	1.23E-07	1.64E-07	5.41E-07	3.73E-08
4965	468678.42	3819047.5	1.91E-06	8.00E-06	7.20E-07	1.59E-06	5.88E-06	5.17E-07	1.80E-07	1.03E-06	1.23E-07	1.64E-07	5.39E-07	3.72E-08
4966	468682.26	3819038.69	1.91E-06	8.00E-06	7.20E-07	1.59E-06	5.88E-06	5.17E-07	1.80E-07	1.03E-06	1.23E-07	1.64E-07	5.39E-07	3.72E-08
4967	468686.11	3819029.88	1.90E-06	7.98E-06	7.19E-07	1.58E-06	5.86E-06	5.16E-07	1.79E-07	1.03E-06	1.23E-07	1.63E-07	5.38E-07	3.71E-08
4968	468689.95	3819021.07	1.90E-06	7.98E-06	7.19E-07	1.58E-06	5.86E-06	5.16E-07	1.79E-07	1.03E-06	1.23E-07	1.63E-07	5.38E-07	3.71E-08
4969	468693.79	3819012.26	1.90E-06	7.98E-06	7.19E-07	1.58E-06	5.86E-06	5.16E-07	1.79E-07	1.03E-06	1.23E-07	1.63E-07	5.38E-07	3.71E-08
4970	468697.64	3819003.45	1.91E-06	8.00E-06	7.20E-07	1.59E-06	5.88E-06	5.17E-07	1.80E-07	1.03E-06	1.23E-07	1.64E-07	5.39E-07	3.72E-08
4971	468701.48	3818994.63	1.91E-06	8.02E-06	7.22E-07	1.59E-06	5.89E-06	5.18E-07	1.80E-07	1.03E-06	1.23E-07	1.64E-07	5.41E-07	3.73E-08
4972	468705.32	3818985.82	1.91E-06	8.04E-06	7.24E-07	1.59E-06	5.91E-06	5.20E-07	1.81E-07	1.04E-06	1.23E-07	1.64E-07	5.42E-07	3.74E-08
4973	468709.16	3818977.01	1.92E-06	8.06E-06	7.26E-07	1.60E-06	5.92E-06	5.21E-07	1.81E-07	1.04E-06	1.24E-07	1.65E-07	5.43E-07	3.75E-08
4974	468713.01	3818968.2	1.92E-06	8.08E-06	7.28E-07	1.60E-06	5.94E-06	5.22E-07	1.82E-07	1.04E-06	1.24E-07	1.65E-07	5.45E-07	3.75E-08
4975	468716.85	3818959.39	1.93E-06	8.12E-06	7.31E-07	1.61E-06	5.97E-06	5.25E-07	1.83E-07	1.05E-06	1.25E-07	1.66E-07	5.47E-07	3.77E-08
4976	468720.69	3818950.58	1.94E-06	8.14E-06	7.33E-07	1.61E-06	5.98E-06	5.26E-07	1.83E-07	1.05E-06	1.25E-07	1.66E-07	5.49E-07	3.78E-08
4977	468724.54	3818941.76	1.94E-06	8.16E-06	7.35E-07	1.62E-06	6.00E-06	5.28E-07	1.84E-07	1.05E-06	1.25E-07	1.67E-07	5.50E-07	3.79E-08
4978	468728.38	3818932.95	1.95E-06	8.20E-06	7.39E-07	1.63E-06	6.03E-06	5.30E-07	1.84E-07	1.06E-06	1.26E-07	1.68E-07	5.53E-07	3.81E-08
4979	468732.22	3818924.14	1.96E-06	8.22E-06	7.40E-07	1.63E-06	6.04E-06	5.31E-07	1.85E-07	1.06E-06	1.26E-07	1.68E-07	5.54E-07	3.82E-08
4980	468736.06	3818915.33	1.97E-06	8.28E-06	7.46E-07	1.64E-06	6.09E-06	5.35E-07	1.86E-07	1.07E-06	1.27E-07	1.69E-07	5.58E-07	3.85E-08
4981	468966.63	3818386.63	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.59E-08
4982	468970.48	3818377.82	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.59E-08
4983	468974.32	3818369.01	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.59E-08
4984	468978.16	3818360.2	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.59E-08
4985	468982.01	3818351.39	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.58E-08
4986	468985.85	3818342.57	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.58E-08
4987	468989.69	3818333.76	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.58E-08
4988	468993.53	3818324.95	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.67E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.58E-08
4989	468997.38	3818316.14	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.57E-08
4990	469001.22	3818307.33	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.57E-08
4991	469005.06	3818298.52	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.57E-08
4992	469008.9	3818289.71	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.57E-08
4993	469012.75	3818280.89	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.67E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.58E-08
4994	469016.59	3818272.08	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.58E-08

4995	469020.43	3818263.27	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.58E-08
4996	469024.28	3818254.46	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.58E-08
4997	469028.12	3818245.65	3.89E-06	1.63E-05	1.47E-06	3.24E-06	1.20E-05	1.06E-06	3.67E-07	2.10E-06	2.51E-07	3.34E-07	1.10E-06	7.59E-08
4998	469031.96	3818236.84	3.90E-06	1.64E-05	1.47E-06	3.25E-06	1.20E-05	1.06E-06	3.68E-07	2.11E-06	2.51E-07	3.35E-07	1.10E-06	7.60E-08
4999	469035.8	3818228.02	3.91E-06	1.64E-05	1.48E-06	3.26E-06	1.21E-05	1.06E-06	3.69E-07	2.11E-06	2.52E-07	3.36E-07	1.11E-06	7.63E-08
5000	469039.65	3818219.21	3.93E-06	1.65E-05	1.48E-06	3.27E-06	1.21E-05	1.07E-06	3.71E-07	2.12E-06	2.53E-07	3.37E-07	1.11E-06	7.66E-08
5001	469043.49	3818210.4	3.94E-06	1.65E-05	1.49E-06	3.28E-06	1.22E-05	1.07E-06	3.72E-07	2.13E-06	2.54E-07	3.38E-07	1.12E-06	7.69E-08
5002	469047.33	3818201.59	3.95E-06	1.66E-05	1.50E-06	3.29E-06	1.22E-05	1.07E-06	3.73E-07	2.14E-06	2.55E-07	3.39E-07	1.12E-06	7.72E-08
5003	469051.18	3818192.78	3.97E-06	1.67E-05	1.50E-06	3.31E-06	1.23E-05	1.08E-06	3.75E-07	2.15E-06	2.56E-07	3.41E-07	1.12E-06	7.75E-08
5004	469055.02	3818183.97	4.00E-06	1.68E-05	1.51E-06	3.33E-06	1.23E-05	1.09E-06	3.77E-07	2.16E-06	2.58E-07	3.43E-07	1.13E-06	7.80E-08
5005	469058.86	3818175.15	4.02E-06	1.69E-05	1.52E-06	3.35E-06	1.24E-05	1.09E-06	3.79E-07	2.17E-06	2.59E-07	3.45E-07	1.14E-06	7.84E-08
5006	469062.7	3818166.34	4.04E-06	1.70E-05	1.53E-06	3.37E-06	1.25E-05	1.10E-06	3.82E-07	2.18E-06	2.61E-07	3.47E-07	1.14E-06	7.88E-08
5007	469075.48	3818153.99	4.13E-06	1.74E-05	1.56E-06	3.44E-06	1.28E-05	1.12E-06	3.90E-07	2.23E-06	2.67E-07	3.55E-07	1.17E-06	8.06E-08
5008	469084.42	3818150.45	4.20E-06	1.76E-05	1.59E-06	3.50E-06	1.30E-05	1.14E-06	3.97E-07	2.27E-06	2.71E-07	3.61E-07	1.19E-06	8.19E-08
5009	469093.36	3818146.91	4.27E-06	1.79E-05	1.61E-06	3.55E-06	1.32E-05	1.16E-06	4.03E-07	2.31E-06	2.75E-07	3.66E-07	1.21E-06	8.33E-08
5010	469102.3	3818143.37	4.33E-06	1.82E-05	1.64E-06	3.61E-06	1.34E-05	1.18E-06	4.09E-07	2.34E-06	2.80E-07	3.72E-07	1.23E-06	8.46E-08
5011	469111.24	3818139.83	4.40E-06	1.85E-05	1.66E-06	3.67E-06	1.36E-05	1.19E-06	4.16E-07	2.38E-06	2.84E-07	3.78E-07	1.25E-06	8.59E-08
5012	469120.17	3818136.29	4.47E-06	1.88E-05	1.69E-06	3.73E-06	1.38E-05	1.21E-06	4.22E-07	2.42E-06	2.89E-07	3.84E-07	1.27E-06	8.73E-08
5013	469129.11	3818132.75	4.54E-06	1.91E-05	1.72E-06	3.78E-06	1.40E-05	1.23E-06	4.29E-07	2.45E-06	2.93E-07	3.90E-07	1.29E-06	8.86E-08
5014	469138.05	3818129.21	4.60E-06	1.93E-05	1.74E-06	3.83E-06	1.42E-05	1.25E-06	4.35E-07	2.49E-06	2.97E-07	3.95E-07	1.30E-06	8.98E-08
5015	469146.99	3818125.67	4.67E-06	1.96E-05	1.77E-06	3.89E-06	1.44E-05	1.27E-06	4.41E-07	2.53E-06	3.01E-07	4.01E-07	1.32E-06	9.11E-08
5016	469155.92	3818122.13	4.73E-06	1.99E-05	1.79E-06	3.94E-06	1.46E-05	1.28E-06	4.47E-07	2.56E-06	3.05E-07	4.06E-07	1.34E-06	9.24E-08
5017	469164.86	3818118.59	4.80E-06	2.01E-05	1.81E-06	3.99E-06	1.48E-05	1.30E-06	4.53E-07	2.59E-06	3.09E-07	4.12E-07	1.36E-06	9.36E-08
5018	469173.8	3818115.05	4.85E-06	2.04E-05	1.84E-06	4.04E-06	1.50E-05	1.32E-06	4.58E-07	2.62E-06	3.13E-07	4.17E-07	1.37E-06	9.47E-08
5019	469182.74	3818111.51	4.91E-06	2.06E-05	1.86E-06	4.09E-06	1.51E-05	1.33E-06	4.63E-07	2.65E-06	3.16E-07	4.21E-07	1.39E-06	9.57E-08
5020	469191.67	3818107.97	4.96E-06	2.08E-05	1.88E-06	4.13E-06	1.53E-05	1.35E-06	4.68E-07	2.68E-06	3.20E-07	4.26E-07	1.40E-06	9.68E-08
5021	469200.61	3818104.43	5.01E-06	2.10E-05	1.89E-06	4.17E-06	1.55E-05	1.36E-06	4.73E-07	2.71E-06	3.23E-07	4.30E-07	1.42E-06	9.77E-08
5022	469209.55	3818100.89	5.05E-06	2.12E-05	1.91E-06	4.21E-06	1.56E-05	1.37E-06	4.77E-07	2.73E-06	3.26E-07	4.34E-07	1.43E-06	9.86E-08
5023	469218.49	3818097.35	5.09E-06	2.14E-05	1.93E-06	4.24E-06	1.57E-05	1.38E-06	4.81E-07	2.75E-06	3.29E-07	4.37E-07	1.44E-06	9.94E-08
5024	469227.42	3818093.81	5.13E-06	2.16E-05	1.94E-06	4.28E-06	1.58E-05	1.39E-06	4.85E-07	2.77E-06	3.31E-07	4.41E-07	1.45E-06	1.00E-07
5025	469236.36	3818090.27	5.17E-06	2.17E-05	1.95E-06	4.30E-06	1.59E-05	1.40E-06	4.88E-07	2.79E-06	3.33E-07	4.44E-07	1.46E-06	1.01E-07
5026	469245.3	3818086.73	5.20E-06	2.18E-05	1.97E-06	4.33E-06	1.60E-05	1.41E-06	4.91E-07	2.81E-06	3.35E-07	4.46E-07	1.47E-06	1.01E-07
5027	469254.24	3818083.19	5.23E-06	2.20E-05	1.98E-06	4.36E-06	1.62E-05	1.42E-06	4.94E-07	2.83E-06	3.38E-07	4.49E-07	1.48E-06	1.02E-07
5028	469263.18	3818079.65	5.26E-06	2.21E-05	1.99E-06	4.38E-06	1.62E-05	1.43E-06	4.97E-07	2.85E-06	3.39E-07	4.52E-07	1.49E-06	1.03E-07
5029	469272.11	3818076.11	5.29E-06	2.22E-05	2.00E-06	4.41E-06	1.63E-05	1.44E-06	5.00E-07	2.86E-06	3.41E-07	4.54E-07	1.50E-06	1.03E-07
5030	469281.05	3818072.57	5.31E-06	2.23E-05	2.01E-06	4.42E-06	1.64E-05	1.44E-06	5.02E-07	2.87E-06	3.43E-07	4.56E-07	1.50E-06	1.04E-07
5031	469289.99	3818069.04	5.33E-06	2.24E-05	2.02E-06	4.44E-06	1.65E-05	1.45E-06	5.04E-07	2.88E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
5032	469298.93	3818065.5	5.36E-06	2.25E-05	2.03E-06	4.46E-06	1.65E-05	1.45E-06	5.06E-07	2.90E-06	3.46E-07	4.60E-07	1.52E-06	1.05E-07
5033	469307.86	3818061.96	5.38E-06	2.26E-05	2.03E-06	4.48E-06	1.66E-05	1.46E-06	5.08E-07	2.91E-06	3.47E-07	4.62E-07	1.52E-06	1.05E-07
5034	469316.8	3818058.42	5.40E-06	2.27E-05	2.04E-06	4.50E-06	1.67E-05	1.47E-06	5.10E-07	2.92E-06	3.48E-07	4.63E-07	1.53E-06	1.05E-07
5035	469325.74	3818054.88	5.41E-06	2.27E-05	2.05E-06	4.51E-06	1.67E-05	1.47E-06	5.11E-07	2.93E-06	3.49E-07	4.65E-07	1.53E-06	1.06E-07
5036	469334.68	3818051.34	5.43E-06	2.28E-05	2.05E-06	4.52E-06	1.68E-05	1.47E-06	5.13E-07	2.94E-06	3.50E-07	4.66E-07	1.54E-06	1.06E-07

5037	469343.61	3818047.8	5.45E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.15E-07	2.95E-06	3.52E-07	4.68E-07	1.54E-06	1.06E-07
5038	469352.55	3818044.26	5.47E-06	2.30E-05	2.07E-06	4.56E-06	1.69E-05	1.49E-06	5.17E-07	2.96E-06	3.53E-07	4.70E-07	1.55E-06	1.07E-07
5039	469361.49	3818040.72	5.50E-06	2.31E-05	2.08E-06	4.58E-06	1.70E-05	1.49E-06	5.19E-07	2.97E-06	3.55E-07	4.72E-07	1.56E-06	1.07E-07
5040	469370.43	3818037.18	5.53E-06	2.32E-05	2.09E-06	4.60E-06	1.71E-05	1.50E-06	5.22E-07	2.99E-06	3.57E-07	4.75E-07	1.56E-06	1.08E-07
5041	469379.36	3818033.64	5.56E-06	2.34E-05	2.10E-06	4.63E-06	1.72E-05	1.51E-06	5.25E-07	3.01E-06	3.59E-07	4.77E-07	1.57E-06	1.09E-07
5042	469388.3	3818030.1	5.60E-06	2.35E-05	2.12E-06	4.66E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.58E-06	1.09E-07
5043	469397.24	3818026.56	5.63E-06	2.36E-05	2.13E-06	4.69E-06	1.74E-05	1.53E-06	5.31E-07	3.04E-06	3.63E-07	4.83E-07	1.59E-06	1.10E-07
5044	469406.18	3818023.02	5.66E-06	2.38E-05	2.14E-06	4.71E-06	1.75E-05	1.54E-06	5.34E-07	3.06E-06	3.65E-07	4.86E-07	1.60E-06	1.10E-07
5045	469415.11	3818019.48	5.69E-06	2.39E-05	2.15E-06	4.74E-06	1.76E-05	1.54E-06	5.37E-07	3.08E-06	3.67E-07	4.89E-07	1.61E-06	1.11E-07
5046	469424.05	3818015.94	5.73E-06	2.41E-05	2.17E-06	4.77E-06	1.77E-05	1.56E-06	5.41E-07	3.10E-06	3.70E-07	4.92E-07	1.62E-06	1.12E-07
5047	469432.99	3818012.4	5.77E-06	2.42E-05	2.18E-06	4.80E-06	1.78E-05	1.57E-06	5.45E-07	3.12E-06	3.72E-07	4.95E-07	1.63E-06	1.13E-07
5048	469441.93	3818008.86	5.81E-06	2.44E-05	2.20E-06	4.84E-06	1.79E-05	1.58E-06	5.48E-07	3.14E-06	3.75E-07	4.98E-07	1.64E-06	1.13E-07
5049	469450.87	3818005.32	5.84E-06	2.45E-05	2.21E-06	4.87E-06	1.80E-05	1.59E-06	5.52E-07	3.16E-06	3.77E-07	5.02E-07	1.65E-06	1.14E-07
5050	469459.8	3818001.78	5.89E-06	2.47E-05	2.23E-06	4.91E-06	1.82E-05	1.60E-06	5.56E-07	3.19E-06	3.80E-07	5.06E-07	1.67E-06	1.15E-07
5051	469468.74	3817998.24	5.95E-06	2.50E-05	2.25E-06	4.95E-06	1.83E-05	1.61E-06	5.61E-07	3.21E-06	3.84E-07	5.10E-07	1.68E-06	1.16E-07
5052	469477.68	3817994.7	5.99E-06	2.52E-05	2.27E-06	4.99E-06	1.85E-05	1.63E-06	5.66E-07	3.24E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
5053	469486.62	3817991.16	6.04E-06	2.54E-05	2.28E-06	5.03E-06	1.86E-05	1.64E-06	5.70E-07	3.26E-06	3.89E-07	5.18E-07	1.71E-06	1.18E-07
5054	469495.55	3817987.62	6.08E-06	2.55E-05	2.30E-06	5.06E-06	1.88E-05	1.65E-06	5.74E-07	3.29E-06	3.92E-07	5.22E-07	1.72E-06	1.19E-07
5055	469504.49	3817984.08	6.12E-06	2.57E-05	2.32E-06	5.10E-06	1.89E-05	1.66E-06	5.78E-07	3.31E-06	3.95E-07	5.26E-07	1.73E-06	1.19E-07
5056	469513.43	3817980.54	6.17E-06	2.59E-05	2.33E-06	5.14E-06	1.90E-05	1.67E-06	5.82E-07	3.33E-06	3.98E-07	5.29E-07	1.75E-06	1.20E-07
5057	469522.37	3817977	6.22E-06	2.61E-05	2.35E-06	5.18E-06	1.92E-05	1.69E-06	5.87E-07	3.36E-06	4.01E-07	5.34E-07	1.76E-06	1.21E-07
5058	469531.3	3817973.46	6.26E-06	2.63E-05	2.37E-06	5.22E-06	1.93E-05	1.70E-06	5.91E-07	3.39E-06	4.04E-07	5.38E-07	1.77E-06	1.22E-07
5059	469540.24	3817969.92	6.31E-06	2.65E-05	2.39E-06	5.26E-06	1.95E-05	1.71E-06	5.96E-07	3.41E-06	4.07E-07	5.42E-07	1.79E-06	1.23E-07
5060	469549.18	3817966.38	6.35E-06	2.67E-05	2.40E-06	5.29E-06	1.96E-05	1.73E-06	6.00E-07	3.44E-06	4.10E-07	5.46E-07	1.80E-06	1.24E-07
5061	469558.12	3817962.84	6.40E-06	2.69E-05	2.42E-06	5.33E-06	1.97E-05	1.74E-06	6.04E-07	3.46E-06	4.13E-07	5.49E-07	1.81E-06	1.25E-07
5062	469567.05	3817959.3	6.44E-06	2.70E-05	2.43E-06	5.36E-06	1.99E-05	1.75E-06	6.08E-07	3.48E-06	4.15E-07	5.53E-07	1.82E-06	1.26E-07
5063	469575.99	3817955.76	6.48E-06	2.72E-05	2.45E-06	5.40E-06	2.00E-05	1.76E-06	6.12E-07	3.50E-06	4.18E-07	5.56E-07	1.83E-06	1.26E-07
5064	469584.93	3817952.22	6.52E-06	2.74E-05	2.47E-06	5.43E-06	2.01E-05	1.77E-06	6.16E-07	3.52E-06	4.20E-07	5.60E-07	1.85E-06	1.27E-07
5065	469593.87	3817948.68	6.56E-06	2.75E-05	2.48E-06	5.46E-06	2.02E-05	1.78E-06	6.19E-07	3.54E-06	4.23E-07	5.63E-07	1.86E-06	1.28E-07
5066	469602.8	3817945.14	6.59E-06	2.77E-05	2.49E-06	5.49E-06	2.03E-05	1.79E-06	6.22E-07	3.56E-06	4.25E-07	5.66E-07	1.87E-06	1.29E-07
5067	469611.74	3817941.6	6.62E-06	2.78E-05	2.51E-06	5.52E-06	2.04E-05	1.80E-06	6.26E-07	3.58E-06	4.27E-07	5.69E-07	1.88E-06	1.29E-07
5068	469620.68	3817938.06	6.66E-06	2.80E-05	2.52E-06	5.55E-06	2.05E-05	1.81E-06	6.29E-07	3.60E-06	4.29E-07	5.72E-07	1.88E-06	1.30E-07
5069	469629.62	3817934.52	6.69E-06	2.81E-05	2.53E-06	5.57E-06	2.06E-05	1.82E-06	6.31E-07	3.61E-06	4.31E-07	5.74E-07	1.89E-06	1.30E-07
5070	469638.56	3817930.98	6.72E-06	2.82E-05	2.54E-06	5.59E-06	2.07E-05	1.82E-06	6.34E-07	3.63E-06	4.33E-07	5.77E-07	1.90E-06	1.31E-07
5071	469647.49	3817927.44	6.74E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
5072	469656.43	3817923.9	6.77E-06	2.84E-05	2.56E-06	5.64E-06	2.09E-05	1.84E-06	6.39E-07	3.66E-06	4.37E-07	5.81E-07	1.92E-06	1.32E-07
5073	469665.37	3817920.36	6.79E-06	2.85E-05	2.57E-06	5.65E-06	2.09E-05	1.84E-06	6.41E-07	3.67E-06	4.38E-07	5.83E-07	1.92E-06	1.32E-07
5074	469674.31	3817916.82	6.80E-06	2.86E-05	2.57E-06	5.67E-06	2.10E-05	1.85E-06	6.42E-07	3.68E-06	4.39E-07	5.84E-07	1.93E-06	1.33E-07
5075	469683.24	3817913.28	6.82E-06	2.86E-05	2.58E-06	5.68E-06	2.10E-05	1.85E-06	6.44E-07	3.69E-06	4.40E-07	5.85E-07	1.93E-06	1.33E-07
5076	469710.06	3817902.66	6.85E-06	2.87E-05	2.59E-06	5.70E-06	2.11E-05	1.86E-06	6.46E-07	3.70E-06	4.42E-07	5.88E-07	1.94E-06	1.34E-07
5077	469754.74	3817884.96	6.86E-06	2.88E-05	2.60E-06	5.72E-06	2.12E-05	1.86E-06	6.48E-07	3.71E-06	4.43E-07	5.89E-07	1.94E-06	1.34E-07
5078	469763.68	3817881.42	6.86E-06	2.88E-05	2.60E-06	5.72E-06	2.12E-05	1.86E-06	6.48E-07	3.71E-06	4.43E-07	5.89E-07	1.94E-06	1.34E-07

5079	469772.62	3817877.88	6.87E-06	2.88E-05	2.60E-06	5.72E-06	2.12E-05	1.86E-06	6.49E-07	3.71E-06	4.43E-07	5.90E-07	1.94E-06	1.34E-07
5080	469781.56	3817874.34	6.87E-06	2.89E-05	2.60E-06	5.73E-06	2.12E-05	1.87E-06	6.49E-07	3.72E-06	4.43E-07	5.90E-07	1.95E-06	1.34E-07
5081	469790.5	3817870.8	6.88E-06	2.89E-05	2.60E-06	5.73E-06	2.12E-05	1.87E-06	6.50E-07	3.72E-06	4.44E-07	5.91E-07	1.95E-06	1.34E-07
5082	469799.43	3817867.26	6.88E-06	2.89E-05	2.60E-06	5.73E-06	2.12E-05	1.87E-06	6.50E-07	3.72E-06	4.44E-07	5.91E-07	1.95E-06	1.34E-07
5083	469808.37	3817863.72	6.89E-06	2.90E-05	2.61E-06	5.74E-06	2.13E-05	1.87E-06	6.51E-07	3.73E-06	4.45E-07	5.92E-07	1.95E-06	1.35E-07
5084	469817.31	3817860.18	6.90E-06	2.90E-05	2.61E-06	5.75E-06	2.13E-05	1.87E-06	6.52E-07	3.73E-06	4.45E-07	5.93E-07	1.95E-06	1.35E-07
5085	469826.25	3817856.64	6.92E-06	2.91E-05	2.62E-06	5.76E-06	2.13E-05	1.88E-06	6.53E-07	3.74E-06	4.46E-07	5.94E-07	1.96E-06	1.35E-07
5086	469835.18	3817853.1	6.93E-06	2.91E-05	2.62E-06	5.77E-06	2.14E-05	1.88E-06	6.55E-07	3.75E-06	4.47E-07	5.95E-07	1.96E-06	1.35E-07
5087	469844.12	3817849.56	6.95E-06	2.92E-05	2.63E-06	5.79E-06	2.15E-05	1.89E-06	6.56E-07	3.76E-06	4.48E-07	5.97E-07	1.97E-06	1.36E-07
5088	469853.06	3817846.02	6.97E-06	2.93E-05	2.63E-06	5.80E-06	2.15E-05	1.89E-06	6.58E-07	3.77E-06	4.49E-07	5.98E-07	1.97E-06	1.36E-07
5089	469862	3817842.48	6.98E-06	2.93E-05	2.64E-06	5.82E-06	2.16E-05	1.90E-06	6.60E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
5090	469870.93	3817838.95	7.01E-06	2.95E-05	2.65E-06	5.84E-06	2.16E-05	1.90E-06	6.62E-07	3.79E-06	4.52E-07	6.02E-07	1.99E-06	1.37E-07
5091	469879.87	3817835.41	7.05E-06	2.96E-05	2.67E-06	5.87E-06	2.18E-05	1.91E-06	6.66E-07	3.81E-06	4.55E-07	6.05E-07	2.00E-06	1.38E-07
5092	469888.81	3817831.87	7.10E-06	2.98E-05	2.68E-06	5.91E-06	2.19E-05	1.93E-06	6.70E-07	3.84E-06	4.58E-07	6.09E-07	2.01E-06	1.38E-07
5093	469897.75	3817828.33	7.14E-06	3.00E-05	2.70E-06	5.95E-06	2.20E-05	1.94E-06	6.74E-07	3.86E-06	4.60E-07	6.13E-07	2.02E-06	1.39E-07
5094	469906.68	3817824.79	7.18E-06	3.02E-05	2.72E-06	5.98E-06	2.22E-05	1.95E-06	6.78E-07	3.88E-06	4.63E-07	6.17E-07	2.03E-06	1.40E-07
5095	469915.62	3817821.25	7.23E-06	3.03E-05	2.73E-06	6.02E-06	2.23E-05	1.96E-06	6.82E-07	3.91E-06	4.66E-07	6.20E-07	2.05E-06	1.41E-07
5096	469924.56	3817817.71	7.28E-06	3.06E-05	2.75E-06	6.06E-06	2.25E-05	1.98E-06	6.87E-07	3.93E-06	4.69E-07	6.25E-07	2.06E-06	1.42E-07
5097	469933.5	3817814.17	7.34E-06	3.08E-05	2.77E-06	6.11E-06	2.26E-05	1.99E-06	6.93E-07	3.97E-06	4.73E-07	6.30E-07	2.08E-06	1.43E-07
5098	469942.43	3817810.63	7.41E-06	3.11E-05	2.80E-06	6.17E-06	2.29E-05	2.01E-06	7.00E-07	4.00E-06	4.78E-07	6.36E-07	2.10E-06	1.45E-07
5099	469951.37	3817807.09	7.48E-06	3.14E-05	2.83E-06	6.23E-06	2.31E-05	2.03E-06	7.06E-07	4.04E-06	4.82E-07	6.42E-07	2.12E-06	1.46E-07
5100	469960.31	3817803.55	7.55E-06	3.17E-05	2.86E-06	6.29E-06	2.33E-05	2.05E-06	7.13E-07	4.08E-06	4.87E-07	6.48E-07	2.14E-06	1.47E-07
5101	469969.25	3817800.01	7.63E-06	3.20E-05	2.89E-06	6.36E-06	2.35E-05	2.07E-06	7.20E-07	4.12E-06	4.92E-07	6.55E-07	2.16E-06	1.49E-07
5102	469978.19	3817796.47	7.70E-06	3.23E-05	2.91E-06	6.42E-06	2.38E-05	2.09E-06	7.27E-07	4.16E-06	4.97E-07	6.61E-07	2.18E-06	1.50E-07
5103	469987.12	3817792.93	7.78E-06	3.27E-05	2.94E-06	6.48E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.68E-07	2.20E-06	1.52E-07
5104	469996.06	3817789.39	7.84E-06	3.29E-05	2.97E-06	6.53E-06	2.42E-05	2.13E-06	7.40E-07	4.24E-06	5.06E-07	6.73E-07	2.22E-06	1.53E-07
5105	470022.87	3817778.77	8.02E-06	3.37E-05	3.03E-06	6.68E-06	2.47E-05	2.18E-06	7.57E-07	4.34E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
5106	470031.81	3817775.23	8.07E-06	3.39E-05	3.05E-06	6.72E-06	2.49E-05	2.19E-06	7.62E-07	4.36E-06	5.21E-07	6.93E-07	2.28E-06	1.58E-07
5107	470040.75	3817771.69	8.12E-06	3.41E-05	3.07E-06	6.76E-06	2.51E-05	2.20E-06	7.67E-07	4.39E-06	5.24E-07	6.97E-07	2.30E-06	1.58E-07
5108	470049.69	3817768.15	8.16E-06	3.43E-05	3.09E-06	6.80E-06	2.52E-05	2.21E-06	7.70E-07	4.41E-06	5.26E-07	7.00E-07	2.31E-06	1.59E-07
5109	470058.62	3817764.61	8.19E-06	3.44E-05	3.10E-06	6.82E-06	2.53E-05	2.22E-06	7.73E-07	4.43E-06	5.28E-07	7.03E-07	2.32E-06	1.60E-07
5110	470067.56	3817761.07	8.21E-06	3.45E-05	3.10E-06	6.84E-06	2.53E-05	2.23E-06	7.75E-07	4.44E-06	5.29E-07	7.05E-07	2.32E-06	1.60E-07
5111	468608.86	3819225.41	2.25E-06	9.43E-06	8.50E-07	1.87E-06	6.93E-06	6.10E-07	2.12E-07	1.21E-06	1.45E-07	1.93E-07	6.36E-07	4.38E-08
5112	468608.67	3819235.06	2.29E-06	9.62E-06	8.66E-07	1.91E-06	7.07E-06	6.22E-07	2.16E-07	1.24E-06	1.48E-07	1.97E-07	6.48E-07	4.47E-08
5113	468608.48	3819244.7	2.33E-06	9.80E-06	8.82E-07	1.94E-06	7.20E-06	6.33E-07	2.20E-07	1.26E-06	1.50E-07	2.00E-07	6.60E-07	4.55E-08
5114	468608.28	3819254.35	2.37E-06	9.96E-06	8.97E-07	1.98E-06	7.32E-06	6.44E-07	2.24E-07	1.28E-06	1.53E-07	2.04E-07	6.71E-07	4.63E-08
5115	468608.09	3819264	2.41E-06	1.01E-05	9.13E-07	2.01E-06	7.45E-06	6.56E-07	2.28E-07	1.31E-06	1.56E-07	2.07E-07	6.84E-07	4.71E-08
5116	468607.9	3819273.65	2.45E-06	1.03E-05	9.28E-07	2.04E-06	7.57E-06	6.66E-07	2.32E-07	1.33E-06	1.58E-07	2.11E-07	6.94E-07	4.79E-08
5117	468607.71	3819283.3	2.49E-06	1.05E-05	9.42E-07	2.08E-06	7.69E-06	6.76E-07	2.35E-07	1.35E-06	1.61E-07	2.14E-07	7.05E-07	4.86E-08
5118	468607.51	3819292.95	2.53E-06	1.06E-05	9.55E-07	2.10E-06	7.79E-06	6.86E-07	2.38E-07	1.37E-06	1.63E-07	2.17E-07	7.15E-07	4.93E-08
5119	468607.32	3819302.59	2.56E-06	1.07E-05	9.68E-07	2.13E-06	7.90E-06	6.95E-07	2.42E-07	1.38E-06	1.65E-07	2.20E-07	7.24E-07	4.99E-08
5120	468607.13	3819312.24	2.59E-06	1.09E-05	9.81E-07	2.16E-06	8.00E-06	7.04E-07	2.45E-07	1.40E-06	1.67E-07	2.23E-07	7.34E-07	5.06E-08

5121	468606.93	3819321.89	2.62E-06	1.10E-05	9.92E-07	2.18E-06	8.09E-06	7.12E-07	2.48E-07	1.42E-06	1.69E-07	2.25E-07	7.42E-07	5.12E-08
5122	468606.74	3819331.54	2.65E-06	1.11E-05	1.00E-06	2.21E-06	8.18E-06	7.20E-07	2.50E-07	1.43E-06	1.71E-07	2.28E-07	7.50E-07	5.17E-08
5123	468606.55	3819341.19	2.68E-06	1.13E-05	1.01E-06	2.23E-06	8.27E-06	7.27E-07	2.53E-07	1.45E-06	1.73E-07	2.30E-07	7.58E-07	5.23E-08
5124	468606.35	3819350.83	2.70E-06	1.14E-05	1.02E-06	2.25E-06	8.34E-06	7.34E-07	2.55E-07	1.46E-06	1.74E-07	2.32E-07	7.65E-07	5.28E-08
5125	468606.16	3819360.48	2.73E-06	1.15E-05	1.03E-06	2.27E-06	8.42E-06	7.40E-07	2.58E-07	1.47E-06	1.76E-07	2.34E-07	7.72E-07	5.32E-08
5126	468605.97	3819370.13	2.75E-06	1.15E-05	1.04E-06	2.29E-06	8.48E-06	7.46E-07	2.59E-07	1.48E-06	1.77E-07	2.36E-07	7.77E-07	5.36E-08
5127	468605.77	3819379.78	2.76E-06	1.16E-05	1.04E-06	2.30E-06	8.52E-06	7.50E-07	2.61E-07	1.49E-06	1.78E-07	2.37E-07	7.82E-07	5.39E-08
5128	468605.58	3819389.43	2.78E-06	1.17E-05	1.05E-06	2.31E-06	8.57E-06	7.53E-07	2.62E-07	1.50E-06	1.79E-07	2.38E-07	7.86E-07	5.42E-08
5129	468605.39	3819399.08	2.79E-06	1.17E-05	1.06E-06	2.32E-06	8.61E-06	7.57E-07	2.63E-07	1.51E-06	1.80E-07	2.40E-07	7.90E-07	5.44E-08
5130	468605.19	3819408.72	2.80E-06	1.18E-05	1.06E-06	2.33E-06	8.64E-06	7.60E-07	2.64E-07	1.51E-06	1.81E-07	2.40E-07	7.93E-07	5.46E-08
5131	468605	3819418.37	2.80E-06	1.18E-05	1.06E-06	2.34E-06	8.65E-06	7.61E-07	2.65E-07	1.52E-06	1.81E-07	2.41E-07	7.94E-07	5.47E-08
5132	470093.02	3819664.65	5.54E-04	2.33E-03	2.10E-04	4.62E-04	1.71E-03	1.50E-04	5.23E-05	3.00E-04	3.57E-05	4.76E-05	1.57E-04	1.08E-05
5133	470084.4	3819660.93	5.51E-04	2.31E-03	2.08E-04	4.59E-04	1.70E-03	1.50E-04	5.20E-05	2.98E-04	3.55E-05	4.73E-05	1.56E-04	1.08E-05
5134	470075.78	3819657.2	5.46E-04	2.29E-03	2.07E-04	4.55E-04	1.69E-03	1.48E-04	5.16E-05	2.95E-04	3.52E-05	4.69E-05	1.55E-04	1.07E-05
5135	470067.17	3819653.47	5.40E-04	2.27E-03	2.04E-04	4.49E-04	1.67E-03	1.46E-04	5.10E-05	2.92E-04	3.48E-05	4.63E-05	1.53E-04	1.05E-05
5136	470101.64	3819668.38	5.55E-04	2.33E-03	2.10E-04	4.63E-04	1.71E-03	1.51E-04	5.25E-05	3.00E-04	3.58E-05	4.77E-05	1.57E-04	1.08E-05
5137	470111.33	3819668.51	5.67E-04	2.38E-03	2.14E-04	4.72E-04	1.75E-03	1.54E-04	5.35E-05	3.06E-04	3.66E-05	4.86E-05	1.60E-04	1.11E-05
5138	470121.03	3819668.65	5.76E-04	2.42E-03	2.18E-04	4.80E-04	1.78E-03	1.56E-04	5.44E-05	3.11E-04	3.72E-05	4.95E-05	1.63E-04	1.12E-05
5139	470130.73	3819668.78	5.84E-04	2.45E-03	2.21E-04	4.86E-04	1.80E-03	1.58E-04	5.51E-05	3.16E-04	3.76E-05	5.01E-05	1.65E-04	1.14E-05
5140	470140.43	3819668.92	5.89E-04	2.47E-03	2.23E-04	4.91E-04	1.82E-03	1.60E-04	5.56E-05	3.18E-04	3.80E-05	5.06E-05	1.67E-04	1.15E-05
5141	470150.12	3819669.05	5.92E-04	2.49E-03	2.24E-04	4.93E-04	1.83E-03	1.61E-04	5.59E-05	3.20E-04	3.82E-05	5.08E-05	1.68E-04	1.16E-05
5142	470159.82	3819669.19	5.93E-04	2.49E-03	2.24E-04	4.94E-04	1.83E-03	1.61E-04	5.60E-05	3.20E-04	3.82E-05	5.09E-05	1.68E-04	1.16E-05
5143	470169.52	3819669.32	5.91E-04	2.48E-03	2.24E-04	4.92E-04	1.82E-03	1.60E-04	5.58E-05	3.20E-04	3.81E-05	5.07E-05	1.67E-04	1.15E-05
5144	470179.22	3819669.46	5.87E-04	2.47E-03	2.22E-04	4.89E-04	1.81E-03	1.59E-04	5.55E-05	3.17E-04	3.79E-05	5.04E-05	1.66E-04	1.15E-05
5145	470188.91	3819669.59	5.81E-04	2.44E-03	2.20E-04	4.84E-04	1.79E-03	1.58E-04	5.49E-05	3.14E-04	3.75E-05	4.99E-05	1.65E-04	1.13E-05
5146	470198.61	3819669.73	5.73E-04	2.41E-03	2.17E-04	4.77E-04	1.77E-03	1.56E-04	5.41E-05	3.10E-04	3.70E-05	4.92E-05	1.62E-04	1.12E-05
5147	470208.31	3819669.86	5.63E-04	2.37E-03	2.13E-04	4.69E-04	1.74E-03	1.53E-04	5.32E-05	3.04E-04	3.63E-05	4.83E-05	1.59E-04	1.10E-05
5148	470218	3819670	5.51E-04	2.32E-03	2.09E-04	4.59E-04	1.70E-03	1.50E-04	5.21E-05	2.98E-04	3.56E-05	4.73E-05	1.56E-04	1.08E-05
5149	470227.7	3819670.13	5.38E-04	2.26E-03	2.04E-04	4.48E-04	1.66E-03	1.46E-04	5.08E-05	2.91E-04	3.47E-05	4.62E-05	1.52E-04	1.05E-05
5150	470237.4	3819670.27	5.24E-04	2.20E-03	1.98E-04	4.36E-04	1.62E-03	1.42E-04	4.95E-05	2.83E-04	3.38E-05	4.50E-05	1.48E-04	1.02E-05
5151	470247.1	3819670.4	5.09E-04	2.14E-03	1.92E-04	4.24E-04	1.57E-03	1.38E-04	4.80E-05	2.75E-04	3.28E-05	4.37E-05	1.44E-04	9.93E-06
5152	470256.79	3819670.54	4.93E-04	2.07E-03	1.86E-04	4.10E-04	1.52E-03	1.34E-04	4.65E-05	2.66E-04	3.18E-05	4.23E-05	1.39E-04	9.61E-06
5153	470266.49	3819670.67	4.76E-04	2.00E-03	1.80E-04	3.97E-04	1.47E-03	1.29E-04	4.50E-05	2.57E-04	3.07E-05	4.09E-05	1.35E-04	9.29E-06
5154	470092.9	3819684.72	5.01E-04	2.10E-03	1.89E-04	4.17E-04	1.55E-03	1.36E-04	4.73E-05	2.71E-04	3.23E-05	4.30E-05	1.42E-04	9.78E-06
5155	470084.44	3819681.06	4.99E-04	2.10E-03	1.89E-04	4.16E-04	1.54E-03	1.36E-04	4.71E-05	2.70E-04	3.22E-05	4.29E-05	1.41E-04	9.74E-06
5156	470075.98	3819677.4	4.96E-04	2.08E-03	1.88E-04	4.13E-04	1.53E-03	1.35E-04	4.68E-05	2.68E-04	3.20E-05	4.26E-05	1.40E-04	9.68E-06
5157	470067.52	3819673.74	4.91E-04	2.06E-03	1.86E-04	4.09E-04	1.52E-03	1.33E-04	4.64E-05	2.66E-04	3.17E-05	4.22E-05	1.39E-04	9.59E-06
5158	470059.05	3819670.08	4.86E-04	2.04E-03	1.84E-04	4.04E-04	1.50E-03	1.32E-04	4.59E-05	2.62E-04	3.13E-05	4.17E-05	1.37E-04	9.47E-06
5159	470050.59	3819666.42	4.78E-04	2.01E-03	1.81E-04	3.98E-04	1.48E-03	1.30E-04	4.52E-05	2.59E-04	3.09E-05	4.11E-05	1.35E-04	9.33E-06
5160	470042.13	3819662.77	4.70E-04	1.97E-03	1.78E-04	3.91E-04	1.45E-03	1.28E-04	4.44E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.17E-06
5161	470033.67	3819659.11	4.60E-04	1.93E-03	1.74E-04	3.83E-04	1.42E-03	1.25E-04	4.34E-05	2.49E-04	2.97E-05	3.95E-05	1.30E-04	8.98E-06
5162	470025.21	3819655.45	4.50E-04	1.89E-03	1.70E-04	3.74E-04	1.39E-03	1.22E-04	4.25E-05	2.43E-04	2.90E-05	3.86E-05	1.27E-04	8.77E-06

5163	470016.75	3819651.79	4.38E-04	1.84E-03	1.66E-04	3.65E-04	1.35E-03	1.19E-04	4.14E-05	2.37E-04	2.83E-05	3.76E-05	1.24E-04	8.55E-06
5164	470101.36	3819688.38	5.01E-04	2.11E-03	1.90E-04	4.18E-04	1.55E-03	1.36E-04	4.73E-05	2.71E-04	3.23E-05	4.30E-05	1.42E-04	9.78E-06
5165	470111.06	3819688.51	5.10E-04	2.14E-03	1.93E-04	4.25E-04	1.57E-03	1.38E-04	4.82E-05	2.76E-04	3.29E-05	4.38E-05	1.44E-04	9.95E-06
5166	470120.75	3819688.65	5.17E-04	2.17E-03	1.96E-04	4.31E-04	1.60E-03	1.40E-04	4.89E-05	2.80E-04	3.34E-05	4.44E-05	1.46E-04	1.01E-05
5167	470130.45	3819688.78	5.23E-04	2.20E-03	1.98E-04	4.36E-04	1.61E-03	1.42E-04	4.94E-05	2.83E-04	3.37E-05	4.49E-05	1.48E-04	1.02E-05
5168	470140.15	3819688.92	5.27E-04	2.21E-03	1.99E-04	4.39E-04	1.63E-03	1.43E-04	4.97E-05	2.85E-04	3.40E-05	4.52E-05	1.49E-04	1.03E-05
5169	470149.85	3819689.05	5.29E-04	2.22E-03	2.00E-04	4.40E-04	1.63E-03	1.44E-04	4.99E-05	2.86E-04	3.41E-05	4.54E-05	1.50E-04	1.03E-05
5170	470159.54	3819689.19	5.29E-04	2.22E-03	2.00E-04	4.40E-04	1.63E-03	1.44E-04	4.99E-05	2.86E-04	3.41E-05	4.54E-05	1.50E-04	1.03E-05
5171	470169.24	3819689.32	5.27E-04	2.21E-03	1.99E-04	4.39E-04	1.63E-03	1.43E-04	4.98E-05	2.85E-04	3.40E-05	4.52E-05	1.49E-04	1.03E-05
5172	470178.94	3819689.46	5.23E-04	2.20E-03	1.98E-04	4.36E-04	1.61E-03	1.42E-04	4.94E-05	2.83E-04	3.38E-05	4.49E-05	1.48E-04	1.02E-05
5173	470188.63	3819689.59	5.18E-04	2.18E-03	1.96E-04	4.31E-04	1.60E-03	1.41E-04	4.89E-05	2.80E-04	3.34E-05	4.45E-05	1.47E-04	1.01E-05
5174	470198.33	3819689.73	5.11E-04	2.15E-03	1.93E-04	4.26E-04	1.58E-03	1.39E-04	4.82E-05	2.76E-04	3.30E-05	4.39E-05	1.45E-04	9.97E-06
5175	470208.03	3819689.86	5.02E-04	2.11E-03	1.90E-04	4.18E-04	1.55E-03	1.36E-04	4.74E-05	2.72E-04	3.24E-05	4.31E-05	1.42E-04	9.80E-06
5176	470217.73	3819690	4.92E-04	2.07E-03	1.86E-04	4.10E-04	1.52E-03	1.34E-04	4.65E-05	2.66E-04	3.18E-05	4.23E-05	1.39E-04	9.61E-06
5177	470227.42	3819690.13	4.81E-04	2.02E-03	1.82E-04	4.01E-04	1.49E-03	1.31E-04	4.54E-05	2.60E-04	3.10E-05	4.13E-05	1.36E-04	9.39E-06
5178	470237.12	3819690.27	4.69E-04	1.97E-03	1.77E-04	3.91E-04	1.45E-03	1.27E-04	4.43E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.16E-06
5179	470246.82	3819690.4	4.56E-04	1.92E-03	1.73E-04	3.80E-04	1.41E-03	1.24E-04	4.31E-05	2.47E-04	2.94E-05	3.92E-05	1.29E-04	8.90E-06
5180	470256.51	3819690.54	4.43E-04	1.86E-03	1.67E-04	3.69E-04	1.37E-03	1.20E-04	4.18E-05	2.39E-04	2.86E-05	3.80E-05	1.25E-04	8.64E-06
5181	470266.21	3819690.67	4.29E-04	1.80E-03	1.62E-04	3.57E-04	1.32E-03	1.16E-04	4.05E-05	2.32E-04	2.77E-05	3.68E-05	1.21E-04	8.37E-06
5182	470092.35	3819704.6	4.55E-04	1.91E-03	1.72E-04	3.79E-04	1.40E-03	1.24E-04	4.30E-05	2.46E-04	2.93E-05	3.91E-05	1.29E-04	8.88E-06
5183	470083.62	3819700.82	4.54E-04	1.91E-03	1.72E-04	3.78E-04	1.40E-03	1.23E-04	4.29E-05	2.45E-04	2.93E-05	3.90E-05	1.29E-04	8.86E-06
5184	470074.89	3819697.05	4.52E-04	1.90E-03	1.71E-04	3.76E-04	1.39E-03	1.23E-04	4.27E-05	2.44E-04	2.91E-05	3.88E-05	1.28E-04	8.81E-06
5185	470066.16	3819693.28	4.48E-04	1.88E-03	1.69E-04	3.73E-04	1.38E-03	1.22E-04	4.23E-05	2.42E-04	2.89E-05	3.85E-05	1.27E-04	8.74E-06
5186	470057.43	3819689.5	4.43E-04	1.86E-03	1.68E-04	3.69E-04	1.37E-03	1.20E-04	4.19E-05	2.40E-04	2.86E-05	3.81E-05	1.26E-04	8.65E-06
5187	470048.7	3819685.73	4.38E-04	1.84E-03	1.65E-04	3.64E-04	1.35E-03	1.19E-04	4.13E-05	2.37E-04	2.82E-05	3.76E-05	1.24E-04	8.54E-06
5188	470039.97	3819681.95	4.30E-04	1.81E-03	1.63E-04	3.59E-04	1.33E-03	1.17E-04	4.06E-05	2.33E-04	2.78E-05	3.70E-05	1.22E-04	8.40E-06
5189	470031.24	3819678.18	4.22E-04	1.77E-03	1.60E-04	3.52E-04	1.30E-03	1.15E-04	3.99E-05	2.28E-04	2.72E-05	3.63E-05	1.20E-04	8.24E-06
5190	470022.51	3819674.4	4.14E-04	1.74E-03	1.56E-04	3.44E-04	1.28E-03	1.12E-04	3.91E-05	2.24E-04	2.67E-05	3.55E-05	1.17E-04	8.07E-06
5191	470013.78	3819670.63	4.04E-04	1.70E-03	1.53E-04	3.36E-04	1.25E-03	1.10E-04	3.81E-05	2.18E-04	2.60E-05	3.47E-05	1.14E-04	7.88E-06
5192	470005.06	3819666.85	3.94E-04	1.65E-03	1.49E-04	3.28E-04	1.21E-03	1.07E-04	3.72E-05	2.13E-04	2.54E-05	3.38E-05	1.11E-04	7.68E-06
5193	469996.33	3819663.08	3.83E-04	1.61E-03	1.45E-04	3.19E-04	1.18E-03	1.04E-04	3.61E-05	2.07E-04	2.47E-05	3.29E-05	1.08E-04	7.47E-06
5194	469987.6	3819659.3	3.71E-04	1.56E-03	1.40E-04	3.09E-04	1.15E-03	1.01E-04	3.51E-05	2.01E-04	2.40E-05	3.19E-05	1.05E-04	7.25E-06
5195	470101.08	3819708.37	4.55E-04	1.91E-03	1.72E-04	3.79E-04	1.40E-03	1.23E-04	4.29E-05	2.46E-04	2.93E-05	3.90E-05	1.29E-04	8.87E-06
5196	470110.78	3819708.51	4.62E-04	1.94E-03	1.75E-04	3.84E-04	1.42E-03	1.25E-04	4.36E-05	2.50E-04	2.98E-05	3.96E-05	1.31E-04	9.01E-06
5197	470120.48	3819708.64	4.67E-04	1.96E-03	1.77E-04	3.89E-04	1.44E-03	1.27E-04	4.41E-05	2.53E-04	3.01E-05	4.01E-05	1.32E-04	9.12E-06
5198	470130.17	3819708.78	4.71E-04	1.98E-03	1.78E-04	3.93E-04	1.45E-03	1.28E-04	4.45E-05	2.55E-04	3.04E-05	4.05E-05	1.33E-04	9.20E-06
5199	470139.87	3819708.91	4.74E-04	1.99E-03	1.79E-04	3.95E-04	1.46E-03	1.29E-04	4.48E-05	2.56E-04	3.06E-05	4.07E-05	1.34E-04	9.25E-06
5200	470149.57	3819709.05	4.75E-04	2.00E-03	1.80E-04	3.96E-04	1.47E-03	1.29E-04	4.49E-05	2.57E-04	3.07E-05	4.08E-05	1.35E-04	9.27E-06
5201	470159.26	3819709.18	4.75E-04	1.99E-03	1.80E-04	3.95E-04	1.47E-03	1.29E-04	4.48E-05	2.57E-04	3.06E-05	4.08E-05	1.34E-04	9.26E-06
5202	470168.96	3819709.32	4.73E-04	1.99E-03	1.79E-04	3.94E-04	1.46E-03	1.28E-04	4.47E-05	2.56E-04	3.05E-05	4.06E-05	1.34E-04	9.23E-06
5203	470178.66	3819709.45	4.69E-04	1.97E-03	1.78E-04	3.91E-04	1.45E-03	1.27E-04	4.43E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.16E-06
5204	470188.36	3819709.59	4.65E-04	1.95E-03	1.76E-04	3.87E-04	1.43E-03	1.26E-04	4.39E-05	2.51E-04	3.00E-05	3.99E-05	1.32E-04	9.07E-06

5205	470198.05	3819709.72	4.58E-04	1.93E-03	1.73E-04	3.82E-04	1.41E-03	1.24E-04	4.33E-05	2.48E-04	2.96E-05	3.94E-05	1.30E-04	8.94E-06
5206	470207.75	3819709.86	4.51E-04	1.89E-03	1.71E-04	3.76E-04	1.39E-03	1.22E-04	4.26E-05	2.44E-04	2.91E-05	3.87E-05	1.28E-04	8.80E-06
5207	470217.45	3819709.99	4.42E-04	1.86E-03	1.67E-04	3.69E-04	1.37E-03	1.20E-04	4.18E-05	2.39E-04	2.85E-05	3.80E-05	1.25E-04	8.63E-06
5208	470227.14	3819710.13	4.33E-04	1.82E-03	1.64E-04	3.61E-04	1.34E-03	1.18E-04	4.09E-05	2.34E-04	2.79E-05	3.72E-05	1.23E-04	8.45E-06
5209	470236.84	3819710.26	4.23E-04	1.78E-03	1.60E-04	3.52E-04	1.30E-03	1.15E-04	3.99E-05	2.29E-04	2.73E-05	3.63E-05	1.20E-04	8.25E-06
5210	470246.54	3819710.4	4.12E-04	1.73E-03	1.56E-04	3.43E-04	1.27E-03	1.12E-04	3.89E-05	2.23E-04	2.66E-05	3.54E-05	1.17E-04	8.04E-06
5211	470256.24	3819710.53	4.01E-04	1.68E-03	1.51E-04	3.34E-04	1.24E-03	1.09E-04	3.78E-05	2.17E-04	2.58E-05	3.44E-05	1.13E-04	7.82E-06
5212	470265.93	3819710.67	3.89E-04	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.06E-04	3.67E-05	2.10E-04	2.51E-05	3.34E-05	1.10E-04	7.59E-06
5213	470092.22	3819724.66	4.15E-04	1.74E-03	1.57E-04	3.46E-04	1.28E-03	1.13E-04	3.92E-05	2.24E-04	2.68E-05	3.56E-05	1.17E-04	8.10E-06
5214	470083.64	3819720.95	4.15E-04	1.74E-03	1.57E-04	3.45E-04	1.28E-03	1.13E-04	3.92E-05	2.24E-04	2.68E-05	3.56E-05	1.17E-04	8.09E-06
5215	470075.05	3819717.24	4.13E-04	1.74E-03	1.56E-04	3.44E-04	1.28E-03	1.12E-04	3.90E-05	2.23E-04	2.67E-05	3.55E-05	1.17E-04	8.07E-06
5216	470066.47	3819713.53	4.11E-04	1.73E-03	1.55E-04	3.42E-04	1.27E-03	1.12E-04	3.88E-05	2.22E-04	2.65E-05	3.53E-05	1.16E-04	8.02E-06
5217	470014.97	3819691.25	3.77E-04	1.58E-03	1.43E-04	3.14E-04	1.16E-03	1.02E-04	3.56E-05	2.04E-04	2.43E-05	3.24E-05	1.07E-04	7.35E-06
5218	470006.38	3819687.54	3.69E-04	1.55E-03	1.39E-04	3.07E-04	1.14E-03	1.00E-04	3.48E-05	1.99E-04	2.38E-05	3.17E-05	1.04E-04	7.19E-06
5219	469997.8	3819683.83	3.60E-04	1.51E-03	1.36E-04	3.00E-04	1.11E-03	9.77E-05	3.40E-05	1.95E-04	2.32E-05	3.09E-05	1.02E-04	7.03E-06
5220	469989.22	3819680.12	3.51E-04	1.47E-03	1.33E-04	2.92E-04	1.08E-03	9.53E-05	3.31E-05	1.90E-04	2.26E-05	3.01E-05	9.93E-05	6.85E-06
5221	469980.63	3819676.41	3.41E-04	1.43E-03	1.29E-04	2.84E-04	1.05E-03	9.27E-05	3.22E-05	1.85E-04	2.20E-05	2.93E-05	9.66E-05	6.66E-06
5222	470100.8	3819728.37	4.14E-04	1.74E-03	1.57E-04	3.45E-04	1.28E-03	1.12E-04	3.91E-05	2.24E-04	2.67E-05	3.55E-05	1.17E-04	8.08E-06
5223	470110.5	3819728.51	4.19E-04	1.76E-03	1.59E-04	3.49E-04	1.29E-03	1.14E-04	3.96E-05	2.27E-04	2.70E-05	3.60E-05	1.19E-04	8.18E-06
5224	470120.2	3819728.64	4.24E-04	1.78E-03	1.60E-04	3.53E-04	1.31E-03	1.15E-04	4.00E-05	2.29E-04	2.73E-05	3.64E-05	1.20E-04	8.27E-06
5225	470129.89	3819728.78	4.27E-04	1.79E-03	1.61E-04	3.55E-04	1.32E-03	1.16E-04	4.03E-05	2.31E-04	2.75E-05	3.66E-05	1.21E-04	8.33E-06
5226	470139.59	3819728.91	4.29E-04	1.80E-03	1.62E-04	3.57E-04	1.32E-03	1.16E-04	4.05E-05	2.32E-04	2.76E-05	3.68E-05	1.21E-04	8.36E-06
5227	470149.29	3819729.05	4.29E-04	1.80E-03	1.62E-04	3.57E-04	1.32E-03	1.16E-04	4.05E-05	2.32E-04	2.77E-05	3.68E-05	1.21E-04	8.37E-06
5228	470158.99	3819729.18	4.28E-04	1.80E-03	1.62E-04	3.57E-04	1.32E-03	1.16E-04	4.05E-05	2.32E-04	2.76E-05	3.68E-05	1.21E-04	8.36E-06
5229	470168.68	3819729.32	4.26E-04	1.79E-03	1.61E-04	3.55E-04	1.32E-03	1.16E-04	4.03E-05	2.31E-04	2.75E-05	3.66E-05	1.21E-04	8.32E-06
5230	470178.38	3819729.45	4.23E-04	1.78E-03	1.60E-04	3.53E-04	1.31E-03	1.15E-04	4.00E-05	2.29E-04	2.73E-05	3.63E-05	1.20E-04	8.26E-06
5231	470188.08	3819729.59	4.19E-04	1.76E-03	1.58E-04	3.49E-04	1.29E-03	1.14E-04	3.95E-05	2.26E-04	2.70E-05	3.60E-05	1.19E-04	8.17E-06
5232	470197.77	3819729.72	4.13E-04	1.74E-03	1.56E-04	3.44E-04	1.28E-03	1.12E-04	3.90E-05	2.23E-04	2.67E-05	3.55E-05	1.17E-04	8.07E-06
5233	470207.47	3819729.86	4.07E-04	1.71E-03	1.54E-04	3.39E-04	1.26E-03	1.10E-04	3.84E-05	2.20E-04	2.62E-05	3.49E-05	1.15E-04	7.94E-06
5234	470217.17	3819729.99	4.00E-04	1.68E-03	1.51E-04	3.33E-04	1.23E-03	1.08E-04	3.77E-05	2.16E-04	2.58E-05	3.43E-05	1.13E-04	7.80E-06
5235	470226.87	3819730.13	3.91E-04	1.64E-03	1.48E-04	3.26E-04	1.21E-03	1.06E-04	3.70E-05	2.12E-04	2.52E-05	3.36E-05	1.11E-04	7.64E-06
5236	470236.56	3819730.26	3.83E-04	1.61E-03	1.45E-04	3.19E-04	1.18E-03	1.04E-04	3.62E-05	2.07E-04	2.47E-05	3.29E-05	1.08E-04	7.47E-06
5237	470246.26	3819730.4	3.74E-04	1.57E-03	1.41E-04	3.11E-04	1.15E-03	1.01E-04	3.53E-05	2.02E-04	2.41E-05	3.21E-05	1.06E-04	7.29E-06
5238	470255.96	3819730.53	3.64E-04	1.53E-03	1.38E-04	3.03E-04	1.12E-03	9.88E-05	3.44E-05	1.97E-04	2.35E-05	3.13E-05	1.03E-04	7.11E-06
5239	470265.66	3819730.67	3.54E-04	1.49E-03	1.34E-04	2.95E-04	1.09E-03	9.61E-05	3.34E-05	1.91E-04	2.28E-05	3.04E-05	1.00E-04	6.91E-06
5240	470091.71	3819744.56	3.80E-04	1.60E-03	1.44E-04	3.16E-04	1.17E-03	1.03E-04	3.59E-05	2.05E-04	2.45E-05	3.26E-05	1.08E-04	7.41E-06
5241	470082.9	3819740.75	3.80E-04	1.60E-03	1.44E-04	3.17E-04	1.17E-03	1.03E-04	3.59E-05	2.06E-04	2.45E-05	3.26E-05	1.08E-04	7.42E-06
5242	470074.08	3819736.94	3.79E-04	1.59E-03	1.44E-04	3.16E-04	1.17E-03	1.03E-04	3.58E-05	2.05E-04	2.45E-05	3.26E-05	1.07E-04	7.40E-06
5243	470065.27	3819733.13	3.78E-04	1.59E-03	1.43E-04	3.15E-04	1.17E-03	1.03E-04	3.57E-05	2.04E-04	2.44E-05	3.24E-05	1.07E-04	7.37E-06
5244	470100.52	3819748.37	3.79E-04	1.59E-03	1.43E-04	3.15E-04	1.17E-03	1.03E-04	3.57E-05	2.05E-04	2.44E-05	3.25E-05	1.07E-04	7.39E-06
5245	470110.22	3819748.51	3.83E-04	1.61E-03	1.45E-04	3.19E-04	1.18E-03	1.04E-04	3.61E-05	2.07E-04	2.47E-05	3.29E-05	1.08E-04	7.47E-06
5246	470119.92	3819748.64	3.86E-04	1.62E-03	1.46E-04	3.22E-04	1.19E-03	1.05E-04	3.65E-05	2.09E-04	2.49E-05	3.31E-05	1.09E-04	7.53E-06

5247	470129.62	3819748.78	3.88E-04	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.05E-04	3.67E-05	2.10E-04	2.51E-05	3.33E-05	1.10E-04	7.58E-06
5248	470139.31	3819748.91	3.90E-04	1.64E-03	1.47E-04	3.25E-04	1.20E-03	1.06E-04	3.68E-05	2.11E-04	2.51E-05	3.35E-05	1.10E-04	7.60E-06
5249	470149.01	3819749.05	3.90E-04	1.64E-03	1.47E-04	3.25E-04	1.20E-03	1.06E-04	3.68E-05	2.11E-04	2.51E-05	3.35E-05	1.10E-04	7.61E-06
5250	470158.71	3819749.18	3.89E-04	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.06E-04	3.67E-05	2.10E-04	2.51E-05	3.34E-05	1.10E-04	7.59E-06
5251	470168.4	3819749.32	3.87E-04	1.63E-03	1.46E-04	3.22E-04	1.19E-03	1.05E-04	3.65E-05	2.09E-04	2.50E-05	3.32E-05	1.10E-04	7.55E-06
5252	470178.1	3819749.45	3.84E-04	1.61E-03	1.45E-04	3.20E-04	1.18E-03	1.04E-04	3.63E-05	2.08E-04	2.48E-05	3.30E-05	1.09E-04	7.49E-06
5253	470187.8	3819749.59	3.80E-04	1.60E-03	1.44E-04	3.17E-04	1.17E-03	1.03E-04	3.59E-05	2.05E-04	2.45E-05	3.26E-05	1.08E-04	7.42E-06
5254	470197.5	3819749.72	3.75E-04	1.58E-03	1.42E-04	3.12E-04	1.16E-03	1.02E-04	3.54E-05	2.03E-04	2.42E-05	3.22E-05	1.06E-04	7.32E-06
5255	470207.19	3819749.86	3.69E-04	1.55E-03	1.40E-04	3.08E-04	1.14E-03	1.00E-04	3.49E-05	2.00E-04	2.38E-05	3.17E-05	1.05E-04	7.21E-06
5256	470216.89	3819749.99	3.63E-04	1.52E-03	1.37E-04	3.02E-04	1.12E-03	9.86E-05	3.43E-05	1.96E-04	2.34E-05	3.12E-05	1.03E-04	7.09E-06
5257	470226.59	3819750.13	3.56E-04	1.50E-03	1.35E-04	2.97E-04	1.10E-03	9.67E-05	3.36E-05	1.92E-04	2.30E-05	3.06E-05	1.01E-04	6.95E-06
5258	470236.29	3819750.26	3.49E-04	1.46E-03	1.32E-04	2.90E-04	1.08E-03	9.46E-05	3.29E-05	1.88E-04	2.25E-05	2.99E-05	9.87E-05	6.80E-06
5259	470245.98	3819750.4	3.41E-04	1.43E-03	1.29E-04	2.84E-04	1.05E-03	9.25E-05	3.22E-05	1.84E-04	2.20E-05	2.92E-05	9.64E-05	6.65E-06
5260	470255.68	3819750.53	3.32E-04	1.40E-03	1.26E-04	2.77E-04	1.03E-03	9.02E-05	3.14E-05	1.80E-04	2.14E-05	2.85E-05	9.41E-05	6.49E-06
5261	470265.38	3819750.67	3.24E-04	1.36E-03	1.22E-04	2.70E-04	9.99E-04	8.79E-05	3.06E-05	1.75E-04	2.09E-05	2.78E-05	9.16E-05	6.32E-06
5262	470091.09	3819784.53	3.22E-04	1.35E-03	1.22E-04	2.68E-04	9.94E-04	8.75E-05	3.04E-05	1.74E-04	2.08E-05	2.77E-05	9.12E-05	6.29E-06
5263	470082.21	3819780.69	3.23E-04	1.36E-03	1.22E-04	2.69E-04	9.97E-04	8.77E-05	3.05E-05	1.75E-04	2.08E-05	2.77E-05	9.14E-05	6.30E-06
5264	470073.33	3819776.85	3.23E-04	1.36E-03	1.22E-04	2.69E-04	9.97E-04	8.77E-05	3.05E-05	1.75E-04	2.08E-05	2.77E-05	9.14E-05	6.30E-06
5265	470064.45	3819773.01	3.22E-04	1.35E-03	1.22E-04	2.68E-04	9.94E-04	8.75E-05	3.04E-05	1.74E-04	2.08E-05	2.77E-05	9.12E-05	6.29E-06
5266	470099.97	3819788.37	3.21E-04	1.35E-03	1.21E-04	2.67E-04	9.89E-04	8.70E-05	3.03E-05	1.73E-04	2.07E-05	2.75E-05	9.08E-05	6.26E-06
5267	470109.66	3819788.5	3.23E-04	1.36E-03	1.22E-04	2.69E-04	9.98E-04	8.78E-05	3.05E-05	1.75E-04	2.09E-05	2.78E-05	9.15E-05	6.31E-06
5268	470119.36	3819788.64	3.25E-04	1.37E-03	1.23E-04	2.71E-04	1.00E-03	8.83E-05	3.07E-05	1.76E-04	2.10E-05	2.79E-05	9.21E-05	6.35E-06
5269	470129.06	3819788.77	3.27E-04	1.37E-03	1.23E-04	2.72E-04	1.01E-03	8.86E-05	3.08E-05	1.77E-04	2.11E-05	2.80E-05	9.24E-05	6.37E-06
5270	470138.76	3819788.91	3.27E-04	1.37E-03	1.24E-04	2.72E-04	1.01E-03	8.88E-05	3.09E-05	1.77E-04	2.11E-05	2.81E-05	9.26E-05	6.38E-06
5271	470148.45	3819789.04	3.27E-04	1.37E-03	1.24E-04	2.72E-04	1.01E-03	8.87E-05	3.08E-05	1.77E-04	2.11E-05	2.80E-05	9.25E-05	6.37E-06
5272	470158.15	3819789.18	3.25E-04	1.37E-03	1.23E-04	2.71E-04	1.00E-03	8.84E-05	3.07E-05	1.76E-04	2.10E-05	2.79E-05	9.21E-05	6.35E-06
5273	470167.85	3819789.31	3.24E-04	1.36E-03	1.22E-04	2.70E-04	9.99E-04	8.78E-05	3.06E-05	1.75E-04	2.09E-05	2.78E-05	9.16E-05	6.31E-06
5274	470177.54	3819789.45	3.21E-04	1.35E-03	1.21E-04	2.67E-04	9.90E-04	8.71E-05	3.03E-05	1.74E-04	2.07E-05	2.76E-05	9.09E-05	6.26E-06
5275	470187.24	3819789.58	3.18E-04	1.33E-03	1.20E-04	2.65E-04	9.80E-04	8.62E-05	3.00E-05	1.72E-04	2.05E-05	2.73E-05	8.99E-05	6.20E-06
5276	470196.94	3819789.72	3.14E-04	1.32E-03	1.19E-04	2.61E-04	9.68E-04	8.52E-05	2.96E-05	1.70E-04	2.02E-05	2.69E-05	8.88E-05	6.12E-06
5277	470206.64	3819789.85	3.09E-04	1.30E-03	1.17E-04	2.58E-04	9.55E-04	8.40E-05	2.92E-05	1.67E-04	2.00E-05	2.66E-05	8.76E-05	6.04E-06
5278	470216.33	3819789.99	3.04E-04	1.28E-03	1.15E-04	2.53E-04	9.39E-04	8.26E-05	2.87E-05	1.65E-04	1.96E-05	2.61E-05	8.61E-05	5.94E-06
5279	470226.03	3819790.12	2.99E-04	1.26E-03	1.13E-04	2.49E-04	9.22E-04	8.12E-05	2.82E-05	1.62E-04	1.93E-05	2.57E-05	8.46E-05	5.83E-06
5280	470235.73	3819790.26	2.93E-04	1.23E-03	1.11E-04	2.44E-04	9.05E-04	7.96E-05	2.77E-05	1.58E-04	1.89E-05	2.52E-05	8.30E-05	5.72E-06
5281	470245.43	3819790.39	2.87E-04	1.21E-03	1.09E-04	2.39E-04	8.86E-04	7.79E-05	2.71E-05	1.55E-04	1.85E-05	2.46E-05	8.13E-05	5.60E-06
5282	470255.12	3819790.53	2.81E-04	1.18E-03	1.06E-04	2.34E-04	8.66E-04	7.62E-05	2.65E-05	1.52E-04	1.81E-05	2.41E-05	7.95E-05	5.48E-06
5283	470264.82	3819790.66	2.74E-04	1.15E-03	1.04E-04	2.28E-04	8.46E-04	7.44E-05	2.59E-05	1.48E-04	1.77E-05	2.35E-05	7.76E-05	5.35E-06
5284	470090.77	3819824.63	2.77E-04	1.16E-03	1.05E-04	2.31E-04	8.55E-04	7.52E-05	2.61E-05	1.50E-04	1.79E-05	2.38E-05	7.84E-05	5.40E-06
5285	470082.12	3819820.89	2.78E-04	1.17E-03	1.05E-04	2.32E-04	8.58E-04	7.55E-05	2.63E-05	1.50E-04	1.79E-05	2.39E-05	7.87E-05	5.43E-06
5286	470073.48	3819817.15	2.79E-04	1.17E-03	1.05E-04	2.32E-04	8.60E-04	7.56E-05	2.63E-05	1.51E-04	1.80E-05	2.39E-05	7.88E-05	5.44E-06
5287	470064.84	3819813.41	2.78E-04	1.17E-03	1.05E-04	2.32E-04	8.59E-04	7.56E-05	2.63E-05	1.51E-04	1.80E-05	2.39E-05	7.88E-05	5.43E-06
5288	470099.41	3819828.36	2.75E-04	1.16E-03	1.04E-04	2.29E-04	8.49E-04	7.47E-05	2.60E-05	1.49E-04	1.78E-05	2.36E-05	7.79E-05	5.37E-06

5289	470109.11	3819828.5	2.77E-04	1.16E-03	1.05E-04	2.31E-04	8.54E-04	7.52E-05	2.61E-05	1.50E-04	1.79E-05	2.38E-05	7.84E-05	5.40E-06
5290	470118.8	3819828.63	2.78E-04	1.17E-03	1.05E-04	2.32E-04	8.58E-04	7.55E-05	2.63E-05	1.50E-04	1.79E-05	2.39E-05	7.87E-05	5.42E-06
5291	470128.5	3819828.77	2.79E-04	1.17E-03	1.05E-04	2.32E-04	8.60E-04	7.56E-05	2.63E-05	1.51E-04	1.80E-05	2.39E-05	7.88E-05	5.44E-06
5292	470138.2	3819828.9	2.79E-04	1.17E-03	1.05E-04	2.32E-04	8.60E-04	7.56E-05	2.63E-05	1.51E-04	1.80E-05	2.39E-05	7.88E-05	5.44E-06
5293	470147.9	3819829.04	2.78E-04	1.17E-03	1.05E-04	2.31E-04	8.58E-04	7.54E-05	2.62E-05	1.50E-04	1.79E-05	2.39E-05	7.87E-05	5.42E-06
5294	470157.59	3819829.17	2.77E-04	1.16E-03	1.05E-04	2.30E-04	8.54E-04	7.51E-05	2.61E-05	1.50E-04	1.78E-05	2.38E-05	7.83E-05	5.40E-06
5295	470167.29	3819829.31	2.75E-04	1.15E-03	1.04E-04	2.29E-04	8.48E-04	7.46E-05	2.60E-05	1.49E-04	1.77E-05	2.36E-05	7.78E-05	5.36E-06
5296	470176.99	3819829.44	2.73E-04	1.15E-03	1.03E-04	2.27E-04	8.41E-04	7.40E-05	2.57E-05	1.47E-04	1.76E-05	2.34E-05	7.72E-05	5.32E-06
5297	470186.69	3819829.58	2.70E-04	1.13E-03	1.02E-04	2.25E-04	8.33E-04	7.33E-05	2.55E-05	1.46E-04	1.74E-05	2.32E-05	7.64E-05	5.27E-06
5298	470196.38	3819829.71	2.67E-04	1.12E-03	1.01E-04	2.22E-04	8.23E-04	7.24E-05	2.52E-05	1.44E-04	1.72E-05	2.29E-05	7.55E-05	5.20E-06
5299	470206.08	3819829.85	2.63E-04	1.10E-03	9.95E-05	2.19E-04	8.12E-04	7.14E-05	2.48E-05	1.42E-04	1.70E-05	2.26E-05	7.45E-05	5.13E-06
5300	470215.78	3819829.98	2.59E-04	1.09E-03	9.80E-05	2.16E-04	8.00E-04	7.03E-05	2.45E-05	1.40E-04	1.67E-05	2.22E-05	7.33E-05	5.06E-06
5301	470225.47	3819830.12	2.55E-04	1.07E-03	9.64E-05	2.12E-04	7.86E-04	6.92E-05	2.41E-05	1.38E-04	1.64E-05	2.19E-05	7.21E-05	4.97E-06
5302	470235.17	3819830.25	2.50E-04	1.05E-03	9.47E-05	2.08E-04	7.72E-04	6.79E-05	2.36E-05	1.35E-04	1.61E-05	2.15E-05	7.08E-05	4.88E-06
5303	470244.87	3819830.39	2.46E-04	1.03E-03	9.29E-05	2.05E-04	7.58E-04	6.67E-05	2.32E-05	1.33E-04	1.58E-05	2.11E-05	6.95E-05	4.79E-06
5304	470254.57	3819830.52	2.41E-04	1.01E-03	9.10E-05	2.00E-04	7.43E-04	6.53E-05	2.27E-05	1.30E-04	1.55E-05	2.07E-05	6.81E-05	4.70E-06
5305	470264.26	3819830.66	2.36E-04	9.89E-04	8.91E-05	1.96E-04	7.27E-04	6.39E-05	2.22E-05	1.27E-04	1.52E-05	2.02E-05	6.67E-05	4.60E-06
5306	470090.14	3819864.59	2.41E-04	1.01E-03	9.10E-05	2.00E-04	7.42E-04	6.53E-05	2.27E-05	1.30E-04	1.55E-05	2.07E-05	6.81E-05	4.69E-06
5307	470081.43	3819860.83	2.42E-04	1.02E-03	9.15E-05	2.01E-04	7.46E-04	6.56E-05	2.28E-05	1.31E-04	1.56E-05	2.08E-05	6.84E-05	4.72E-06
5308	470072.72	3819857.06	2.43E-04	1.02E-03	9.17E-05	2.02E-04	7.49E-04	6.59E-05	2.29E-05	1.31E-04	1.56E-05	2.08E-05	6.87E-05	4.73E-06
5309	470064.01	3819853.29	2.43E-04	1.02E-03	9.19E-05	2.02E-04	7.50E-04	6.59E-05	2.29E-05	1.31E-04	1.57E-05	2.09E-05	6.88E-05	4.74E-06
5310	470098.85	3819868.36	2.39E-04	1.00E-03	9.04E-05	1.99E-04	7.37E-04	6.49E-05	2.26E-05	1.29E-04	1.54E-05	2.05E-05	6.76E-05	4.66E-06
5311	470108.55	3819868.49	2.40E-04	1.01E-03	9.07E-05	2.00E-04	7.40E-04	6.51E-05	2.27E-05	1.30E-04	1.55E-05	2.06E-05	6.79E-05	4.68E-06
5312	470118.25	3819868.63	2.41E-04	1.01E-03	9.10E-05	2.00E-04	7.42E-04	6.53E-05	2.27E-05	1.30E-04	1.55E-05	2.06E-05	6.81E-05	4.69E-06
5313	470127.95	3819868.76	2.41E-04	1.01E-03	9.10E-05	2.00E-04	7.43E-04	6.53E-05	2.27E-05	1.30E-04	1.55E-05	2.07E-05	6.81E-05	4.70E-06
5314	470137.64	3819868.9	2.40E-04	1.01E-03	9.09E-05	2.00E-04	7.42E-04	6.52E-05	2.27E-05	1.30E-04	1.55E-05	2.06E-05	6.80E-05	4.69E-06
5315	470147.34	3819869.03	2.40E-04	1.01E-03	9.06E-05	2.00E-04	7.39E-04	6.50E-05	2.26E-05	1.30E-04	1.55E-05	2.06E-05	6.78E-05	4.67E-06
5316	470157.04	3819869.17	2.38E-04	1.00E-03	9.01E-05	1.99E-04	7.36E-04	6.47E-05	2.25E-05	1.29E-04	1.54E-05	2.05E-05	6.75E-05	4.65E-06
5317	470166.73	3819869.3	2.37E-04	9.94E-04	8.95E-05	1.97E-04	7.31E-04	6.43E-05	2.24E-05	1.28E-04	1.53E-05	2.03E-05	6.70E-05	4.62E-06
5318	470176.43	3819869.44	2.35E-04	9.86E-04	8.88E-05	1.96E-04	7.24E-04	6.37E-05	2.22E-05	1.27E-04	1.51E-05	2.02E-05	6.65E-05	4.58E-06
5319	470186.13	3819869.57	2.32E-04	9.76E-04	8.79E-05	1.94E-04	7.17E-04	6.31E-05	2.19E-05	1.26E-04	1.50E-05	2.00E-05	6.58E-05	4.54E-06
5320	470195.83	3819869.71	2.30E-04	9.65E-04	8.69E-05	1.91E-04	7.09E-04	6.24E-05	2.17E-05	1.24E-04	1.48E-05	1.97E-05	6.50E-05	4.48E-06
5321	470205.52	3819869.84	2.27E-04	9.52E-04	8.57E-05	1.89E-04	7.00E-04	6.15E-05	2.14E-05	1.23E-04	1.46E-05	1.95E-05	6.42E-05	4.42E-06
5322	470215.22	3819869.98	2.23E-04	9.38E-04	8.45E-05	1.86E-04	6.89E-04	6.06E-05	2.11E-05	1.21E-04	1.44E-05	1.92E-05	6.32E-05	4.36E-06
5323	470224.92	3819870.11	2.20E-04	9.23E-04	8.31E-05	1.83E-04	6.78E-04	5.97E-05	2.08E-05	1.19E-04	1.42E-05	1.89E-05	6.22E-05	4.29E-06
5324	470234.61	3819870.25	2.16E-04	9.08E-04	8.17E-05	1.80E-04	6.67E-04	5.87E-05	2.04E-05	1.17E-04	1.39E-05	1.86E-05	6.12E-05	4.22E-06
5325	470244.31	3819870.38	2.12E-04	8.92E-04	8.03E-05	1.77E-04	6.55E-04	5.76E-05	2.01E-05	1.15E-04	1.37E-05	1.82E-05	6.01E-05	4.14E-06
5326	470254.01	3819870.52	2.08E-04	8.75E-04	7.88E-05	1.74E-04	6.43E-04	5.66E-05	1.97E-05	1.13E-04	1.34E-05	1.79E-05	5.90E-05	4.07E-06
5327	470263.71	3819870.65	2.04E-04	8.59E-04	7.73E-05	1.70E-04	6.31E-04	5.55E-05	1.93E-05	1.11E-04	1.32E-05	1.76E-05	5.79E-05	3.99E-06
5328	470089.53	3819904.56	2.11E-04	8.86E-04	7.98E-05	1.76E-04	6.51E-04	5.73E-05	1.99E-05	1.14E-04	1.36E-05	1.81E-05	5.97E-05	4.12E-06
5329	470080.76	3819900.77	2.12E-04	8.91E-04	8.02E-05	1.77E-04	6.55E-04	5.76E-05	2.00E-05	1.15E-04	1.37E-05	1.82E-05	6.01E-05	4.14E-06
5330	470072	3819896.98	2.13E-04	8.95E-04	8.06E-05	1.77E-04	6.57E-04	5.78E-05	2.01E-05	1.15E-04	1.37E-05	1.83E-05	6.03E-05	4.16E-06

5331	470063.23	3819893.19	2.14E-04	8.97E-04	8.08E-05	1.78E-04	6.59E-04	5.80E-05	2.02E-05	1.15E-04	1.38E-05	1.83E-05	6.04E-05	4.17E-06
5332	470098.3	3819908.36	2.09E-04	8.79E-04	7.92E-05	1.74E-04	6.46E-04	5.68E-05	1.98E-05	1.13E-04	1.35E-05	1.80E-05	5.93E-05	4.09E-06
5333	470107.99	3819908.49	2.10E-04	8.82E-04	7.94E-05	1.75E-04	6.48E-04	5.70E-05	1.98E-05	1.14E-04	1.35E-05	1.80E-05	5.94E-05	4.10E-06
5334	470117.69	3819908.63	2.10E-04	8.83E-04	7.95E-05	1.75E-04	6.49E-04	5.71E-05	1.99E-05	1.14E-04	1.36E-05	1.81E-05	5.95E-05	4.10E-06
5335	470127.39	3819908.76	2.10E-04	8.83E-04	7.95E-05	1.75E-04	6.48E-04	5.70E-05	1.98E-05	1.14E-04	1.36E-05	1.80E-05	5.95E-05	4.10E-06
5336	470137.09	3819908.9	2.10E-04	8.80E-04	7.93E-05	1.75E-04	6.47E-04	5.69E-05	1.98E-05	1.13E-04	1.35E-05	1.80E-05	5.93E-05	4.09E-06
5337	470146.78	3819909.03	2.09E-04	8.77E-04	7.90E-05	1.74E-04	6.44E-04	5.67E-05	1.97E-05	1.13E-04	1.35E-05	1.79E-05	5.91E-05	4.08E-06
5338	470156.48	3819909.17	2.08E-04	8.72E-04	7.85E-05	1.73E-04	6.41E-04	5.64E-05	1.96E-05	1.12E-04	1.34E-05	1.78E-05	5.88E-05	4.05E-06
5339	470166.18	3819909.3	2.06E-04	8.66E-04	7.80E-05	1.72E-04	6.36E-04	5.60E-05	1.95E-05	1.11E-04	1.33E-05	1.77E-05	5.84E-05	4.02E-06
5340	470175.87	3819909.44	2.04E-04	8.59E-04	7.73E-05	1.70E-04	6.31E-04	5.55E-05	1.93E-05	1.11E-04	1.32E-05	1.76E-05	5.79E-05	3.99E-06
5341	470185.57	3819909.57	2.02E-04	8.50E-04	7.66E-05	1.69E-04	6.25E-04	5.50E-05	1.91E-05	1.09E-04	1.31E-05	1.74E-05	5.73E-05	3.95E-06
5342	470195.27	3819909.71	2.00E-04	8.41E-04	7.57E-05	1.67E-04	6.18E-04	5.43E-05	1.89E-05	1.08E-04	1.29E-05	1.72E-05	5.67E-05	3.91E-06
5343	470204.97	3819909.84	1.98E-04	8.30E-04	7.48E-05	1.65E-04	6.10E-04	5.37E-05	1.87E-05	1.07E-04	1.27E-05	1.70E-05	5.59E-05	3.86E-06
5344	470214.66	3819909.98	1.95E-04	8.18E-04	7.37E-05	1.62E-04	6.01E-04	5.29E-05	1.84E-05	1.05E-04	1.26E-05	1.67E-05	5.52E-05	3.80E-06
5345	470224.36	3819910.11	1.92E-04	8.06E-04	7.26E-05	1.60E-04	5.92E-04	5.21E-05	1.81E-05	1.04E-04	1.24E-05	1.65E-05	5.43E-05	3.75E-06
5346	470234.06	3819910.25	1.89E-04	7.93E-04	7.15E-05	1.57E-04	5.83E-04	5.13E-05	1.78E-05	1.02E-04	1.22E-05	1.62E-05	5.35E-05	3.69E-06
5347	470243.76	3819910.38	1.86E-04	7.81E-04	7.03E-05	1.55E-04	5.74E-04	5.05E-05	1.76E-05	1.00E-04	1.20E-05	1.60E-05	5.26E-05	3.63E-06
5348	470253.45	3819910.52	1.83E-04	7.67E-04	6.91E-05	1.52E-04	5.64E-04	4.96E-05	1.73E-05	9.88E-05	1.18E-05	1.57E-05	5.17E-05	3.57E-06
5349	470263.15	3819910.65	1.80E-04	7.54E-04	6.79E-05	1.50E-04	5.54E-04	4.87E-05	1.70E-05	9.70E-05	1.16E-05	1.54E-05	5.08E-05	3.50E-06
5350	470088.93	3819944.54	1.87E-04	7.84E-04	7.06E-05	1.55E-04	5.76E-04	5.07E-05	1.76E-05	1.01E-04	1.20E-05	1.60E-05	5.28E-05	3.64E-06
5351	470080.11	3819940.73	1.88E-04	7.89E-04	7.11E-05	1.57E-04	5.80E-04	5.10E-05	1.77E-05	1.02E-04	1.21E-05	1.61E-05	5.32E-05	3.67E-06
5352	470071.3	3819936.92	1.89E-04	7.93E-04	7.14E-05	1.57E-04	5.83E-04	5.13E-05	1.78E-05	1.02E-04	1.22E-05	1.62E-05	5.34E-05	3.68E-06
5353	470062.49	3819933.11	1.89E-04	7.96E-04	7.17E-05	1.58E-04	5.85E-04	5.14E-05	1.79E-05	1.02E-04	1.22E-05	1.63E-05	5.36E-05	3.70E-06
5354	469608.31	3819447.33	3.09E-05	1.30E-04	1.17E-05	2.58E-05	9.55E-05	8.40E-06	2.92E-06	1.67E-05	2.00E-06	2.66E-06	8.76E-06	6.04E-07
5355	470097.74	3819948.35	1.85E-04	7.78E-04	7.00E-05	1.54E-04	5.71E-04	5.03E-05	1.75E-05	1.00E-04	1.19E-05	1.59E-05	5.24E-05	3.61E-06
5356	470107.44	3819948.49	1.85E-04	7.79E-04	7.01E-05	1.54E-04	5.72E-04	5.03E-05	1.75E-05	1.00E-04	1.20E-05	1.59E-05	5.25E-05	3.62E-06
5357	470117.13	3819948.62	1.85E-04	7.79E-04	7.02E-05	1.55E-04	5.72E-04	5.04E-05	1.75E-05	1.00E-04	1.20E-05	1.59E-05	5.25E-05	3.62E-06
5358	470126.83	3819948.76	1.85E-04	7.78E-04	7.00E-05	1.54E-04	5.72E-04	5.03E-05	1.75E-05	1.00E-04	1.19E-05	1.59E-05	5.24E-05	3.61E-06
5359	470136.53	3819948.89	1.85E-04	7.76E-04	6.98E-05	1.54E-04	5.70E-04	5.01E-05	1.74E-05	9.98E-05	1.19E-05	1.59E-05	5.23E-05	3.60E-06
5360	470146.23	3819949.03	1.84E-04	7.72E-04	6.95E-05	1.53E-04	5.67E-04	4.99E-05	1.74E-05	9.94E-05	1.19E-05	1.58E-05	5.20E-05	3.59E-06
5361	470155.92	3819949.16	1.83E-04	7.67E-04	6.91E-05	1.52E-04	5.64E-04	4.96E-05	1.73E-05	9.88E-05	1.18E-05	1.57E-05	5.17E-05	3.57E-06
5362	470165.62	3819949.3	1.81E-04	7.62E-04	6.86E-05	1.51E-04	5.60E-04	4.92E-05	1.71E-05	9.81E-05	1.17E-05	1.56E-05	5.13E-05	3.54E-06
5363	470175.32	3819949.43	1.80E-04	7.55E-04	6.80E-05	1.50E-04	5.55E-04	4.88E-05	1.70E-05	9.72E-05	1.16E-05	1.54E-05	5.09E-05	3.51E-06
5364	470185.01	3819949.57	1.78E-04	7.48E-04	6.73E-05	1.48E-04	5.50E-04	4.83E-05	1.68E-05	9.63E-05	1.15E-05	1.53E-05	5.04E-05	3.47E-06
5365	470194.71	3819949.7	1.76E-04	7.40E-04	6.66E-05	1.47E-04	5.44E-04	4.78E-05	1.66E-05	9.52E-05	1.14E-05	1.51E-05	4.99E-05	3.44E-06
5366	470204.41	3819949.84	1.74E-04	7.31E-04	6.58E-05	1.45E-04	5.37E-04	4.72E-05	1.64E-05	9.41E-05	1.12E-05	1.49E-05	4.93E-05	3.40E-06
5367	470214.11	3819949.97	1.72E-04	7.21E-04	6.50E-05	1.43E-04	5.30E-04	4.66E-05	1.62E-05	9.29E-05	1.11E-05	1.47E-05	4.86E-05	3.35E-06
5368	470223.8	3819950.11	1.69E-04	7.12E-04	6.41E-05	1.41E-04	5.23E-04	4.60E-05	1.60E-05	9.16E-05	1.09E-05	1.45E-05	4.80E-05	3.31E-06
5369	470233.5	3819950.24	1.67E-04	7.01E-04	6.31E-05	1.39E-04	5.15E-04	4.53E-05	1.58E-05	9.03E-05	1.08E-05	1.43E-05	4.73E-05	3.26E-06
5370	470243.2	3819950.38	1.64E-04	6.90E-04	6.22E-05	1.37E-04	5.07E-04	4.46E-05	1.55E-05	8.88E-05	1.06E-05	1.41E-05	4.65E-05	3.21E-06
5371	470252.9	3819950.51	1.62E-04	6.79E-04	6.11E-05	1.35E-04	4.99E-04	4.39E-05	1.53E-05	8.74E-05	1.04E-05	1.39E-05	4.58E-05	3.15E-06
5372	470262.59	3819950.65	1.59E-04	6.68E-04	6.01E-05	1.32E-04	4.91E-04	4.32E-05	1.50E-05	8.59E-05	1.03E-05	1.36E-05	4.50E-05	3.10E-06

5373	470088.33	3819984.52	1.66E-04	6.98E-04	6.29E-05	1.38E-04	5.13E-04	4.51E-05	1.57E-05	8.99E-05	1.07E-05	1.43E-05	4.71E-05	3.24E-06
5374	470079.47	3819980.69	1.67E-04	7.03E-04	6.33E-05	1.39E-04	5.17E-04	4.55E-05	1.58E-05	9.05E-05	1.08E-05	1.44E-05	4.74E-05	3.27E-06
5375	470070.62	3819976.86	1.68E-04	7.07E-04	6.37E-05	1.40E-04	5.20E-04	4.57E-05	1.59E-05	9.11E-05	1.09E-05	1.45E-05	4.77E-05	3.29E-06
5376	470061.76	3819973.03	1.69E-04	7.11E-04	6.40E-05	1.41E-04	5.22E-04	4.59E-05	1.60E-05	9.15E-05	1.09E-05	1.45E-05	4.79E-05	3.30E-06
5377	469607.12	3819545.34	4.32E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.08E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.42E-07
5378	469603.6	3819536.36	4.12E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.23E-05	2.66E-06	3.54E-06	1.17E-05	8.04E-07
5379	469600.07	3819527.38	3.93E-05	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.66E-07
5380	469596.54	3819518.4	3.75E-05	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.32E-07
5381	469593.02	3819509.42	3.58E-05	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.71E-06	3.38E-06	1.93E-05	2.31E-06	3.07E-06	1.01E-05	6.98E-07
5382	469589.49	3819500.45	3.42E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.23E-06	1.85E-05	2.20E-06	2.93E-06	9.67E-06	6.66E-07
5383	469585.97	3819491.47	3.26E-05	1.37E-04	1.23E-05	2.72E-05	1.01E-04	8.85E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.23E-06	6.36E-07
5384	469582.44	3819482.49	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.60E-05	8.44E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.81E-06	6.07E-07
5385	469578.91	3819473.51	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.17E-05	8.06E-06	2.80E-06	1.61E-05	1.92E-06	2.55E-06	8.41E-06	5.80E-07
5386	469575.39	3819464.53	2.84E-05	1.19E-04	1.07E-05	2.36E-05	8.75E-05	7.70E-06	2.68E-06	1.53E-05	1.83E-06	2.44E-06	8.03E-06	5.54E-07
5387	469571.86	3819455.55	2.71E-05	1.14E-04	1.03E-05	2.26E-05	8.37E-05	7.36E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.67E-06	5.29E-07
5388	469568.33	3819446.57	2.59E-05	1.09E-04	9.80E-06	2.16E-05	8.00E-05	7.03E-06	2.45E-06	1.40E-05	1.67E-06	2.22E-06	7.34E-06	5.06E-07
5389	470097.18	3819988.35	1.65E-04	6.92E-04	6.23E-05	1.37E-04	5.09E-04	4.48E-05	1.56E-05	8.91E-05	1.06E-05	1.42E-05	4.67E-05	3.22E-06
5390	470106.88	3819988.48	1.65E-04	6.93E-04	6.24E-05	1.37E-04	5.09E-04	4.48E-05	1.56E-05	8.92E-05	1.06E-05	1.42E-05	4.67E-05	3.22E-06
5391	470116.58	3819988.62	1.65E-04	6.92E-04	6.23E-05	1.37E-04	5.09E-04	4.47E-05	1.56E-05	8.91E-05	1.06E-05	1.41E-05	4.66E-05	3.22E-06
5392	470126.27	3819988.75	1.64E-04	6.91E-04	6.22E-05	1.37E-04	5.07E-04	4.46E-05	1.55E-05	8.89E-05	1.06E-05	1.41E-05	4.66E-05	3.21E-06
5393	470135.97	3819988.89	1.64E-04	6.88E-04	6.20E-05	1.37E-04	5.06E-04	4.45E-05	1.55E-05	8.86E-05	1.06E-05	1.41E-05	4.64E-05	3.20E-06
5394	470145.67	3819989.02	1.63E-04	6.85E-04	6.17E-05	1.36E-04	5.03E-04	4.43E-05	1.54E-05	8.82E-05	1.05E-05	1.40E-05	4.62E-05	3.18E-06
5395	470155.37	3819989.16	1.62E-04	6.81E-04	6.13E-05	1.35E-04	5.00E-04	4.40E-05	1.53E-05	8.76E-05	1.05E-05	1.39E-05	4.59E-05	3.16E-06
5396	470165.06	3819989.29	1.61E-04	6.75E-04	6.08E-05	1.34E-04	4.96E-04	4.37E-05	1.52E-05	8.69E-05	1.04E-05	1.38E-05	4.55E-05	3.14E-06
5397	470174.76	3819989.43	1.59E-04	6.70E-04	6.03E-05	1.33E-04	4.92E-04	4.33E-05	1.51E-05	8.62E-05	1.03E-05	1.37E-05	4.51E-05	3.11E-06
5398	470184.46	3819989.56	1.58E-04	6.63E-04	5.97E-05	1.32E-04	4.87E-04	4.29E-05	1.49E-05	8.54E-05	1.02E-05	1.36E-05	4.47E-05	3.08E-06
5399	470194.16	3819989.7	1.56E-04	6.56E-04	5.91E-05	1.30E-04	4.82E-04	4.24E-05	1.48E-05	8.45E-05	1.01E-05	1.34E-05	4.42E-05	3.05E-06
5400	470203.85	3819989.83	1.54E-04	6.48E-04	5.84E-05	1.29E-04	4.77E-04	4.19E-05	1.46E-05	8.35E-05	9.96E-06	1.33E-05	4.37E-05	3.01E-06
5401	470213.55	3819989.97	1.53E-04	6.40E-04	5.77E-05	1.27E-04	4.71E-04	4.14E-05	1.44E-05	8.24E-05	9.84E-06	1.31E-05	4.32E-05	2.98E-06
5402	470223.25	3819990.1	1.51E-04	6.32E-04	5.69E-05	1.25E-04	4.64E-04	4.09E-05	1.42E-05	8.14E-05	9.71E-06	1.29E-05	4.26E-05	2.94E-06
5403	470232.94	3819990.24	1.48E-04	6.23E-04	5.61E-05	1.24E-04	4.58E-04	4.03E-05	1.40E-05	8.02E-05	9.57E-06	1.27E-05	4.20E-05	2.90E-06
5404	470242.64	3819990.37	1.46E-04	6.14E-04	5.53E-05	1.22E-04	4.51E-04	3.97E-05	1.38E-05	7.91E-05	9.43E-06	1.26E-05	4.14E-05	2.85E-06
5405	470252.34	3819990.51	1.44E-04	6.05E-04	5.45E-05	1.20E-04	4.45E-04	3.91E-05	1.36E-05	7.79E-05	9.29E-06	1.24E-05	4.08E-05	2.81E-06
5406	470262.04	3819990.64	1.42E-04	5.96E-04	5.36E-05	1.18E-04	4.38E-04	3.85E-05	1.34E-05	7.67E-05	9.15E-06	1.22E-05	4.01E-05	2.77E-06
5407	470069.96	3820016.81	1.51E-04	6.36E-04	5.73E-05	1.26E-04	4.67E-04	4.11E-05	1.43E-05	8.19E-05	9.77E-06	1.30E-05	4.29E-05	2.96E-06
5408	470061.07	3820012.97	1.52E-04	6.39E-04	5.76E-05	1.27E-04	4.70E-04	4.13E-05	1.44E-05	8.23E-05	9.82E-06	1.31E-05	4.31E-05	2.97E-06
5409	469595.63	3819617.1	5.01E-05	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.73E-06	2.71E-05	3.23E-06	4.30E-06	1.42E-05	9.78E-07
5410	469592.09	3819608.08	4.82E-05	2.02E-04	1.82E-05	4.01E-05	1.49E-04	1.31E-05	4.55E-06	2.60E-05	3.11E-06	4.13E-06	1.36E-05	9.40E-07
5411	469588.54	3819599.07	4.62E-05	1.94E-04	1.75E-05	3.85E-05	1.43E-04	1.25E-05	4.37E-06	2.50E-05	2.98E-06	3.97E-06	1.31E-05	9.02E-07
5412	469585	3819590.05	4.43E-05	1.86E-04	1.68E-05	3.69E-05	1.37E-04	1.20E-05	4.19E-06	2.40E-05	2.86E-06	3.81E-06	1.26E-05	8.65E-07
5413	469581.46	3819581.04	4.25E-05	1.79E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.02E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.30E-07
5414	469577.92	3819572.02	4.08E-05	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.20E-05	2.63E-06	3.50E-06	1.15E-05	7.96E-07

5415	469574.38	3819563.01	3.91E-05	1.64E-04	1.48E-05	3.25E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.35E-06	1.11E-05	7.62E-07
5416	469570.84	3819553.99	3.74E-05	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.53E-06	2.02E-05	2.41E-06	3.21E-06	1.06E-05	7.29E-07
5417	469567.3	3819544.98	3.58E-05	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.71E-06	3.38E-06	1.93E-05	2.31E-06	3.07E-06	1.01E-05	6.98E-07
5418	469563.76	3819535.96	3.42E-05	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.28E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.68E-06	6.67E-07
5419	469560.22	3819526.94	3.27E-05	1.37E-04	1.24E-05	2.72E-05	1.01E-04	8.88E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.26E-06	6.38E-07
5420	469556.68	3819517.93	3.13E-05	1.31E-04	1.18E-05	2.60E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.68E-06	8.85E-06	6.10E-07
5421	469553.14	3819508.91	2.99E-05	1.26E-04	1.13E-05	2.49E-05	9.22E-05	8.11E-06	2.82E-06	1.62E-05	1.93E-06	2.57E-06	8.46E-06	5.83E-07
5422	469549.6	3819499.9	2.86E-05	1.20E-04	1.08E-05	2.38E-05	8.82E-05	7.76E-06	2.70E-06	1.55E-05	1.84E-06	2.45E-06	8.09E-06	5.58E-07
5423	469546.06	3819490.88	2.73E-05	1.15E-04	1.03E-05	2.28E-05	8.43E-05	7.42E-06	2.58E-06	1.48E-05	1.76E-06	2.35E-06	7.74E-06	5.33E-07
5424	469542.52	3819481.87	2.61E-05	1.10E-04	9.89E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.24E-06	7.40E-06	5.10E-07
5425	469538.98	3819472.85	2.50E-05	1.05E-04	9.46E-06	2.08E-05	7.72E-05	6.79E-06	2.36E-06	1.35E-05	1.61E-06	2.15E-06	7.08E-06	4.88E-07
5426	469535.44	3819463.84	2.40E-05	1.01E-04	9.06E-06	2.00E-05	7.39E-05	6.50E-06	2.26E-06	1.29E-05	1.54E-06	2.06E-06	6.78E-06	4.67E-07
5427	469531.9	3819454.82	2.29E-05	9.64E-05	8.68E-06	1.91E-05	7.08E-05	6.23E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.50E-06	4.48E-07
5428	469528.36	3819445.8	2.20E-05	9.24E-05	8.32E-06	1.83E-05	6.79E-05	5.97E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.23E-06	4.29E-07
5429	470087.33	3820064.56	1.35E-04	5.66E-04	5.10E-05	1.12E-04	4.16E-04	3.66E-05	1.27E-05	7.29E-05	8.70E-06	1.16E-05	3.82E-05	2.63E-06
5430	470078.58	3820060.78	1.36E-04	5.71E-04	5.14E-05	1.13E-04	4.19E-04	3.69E-05	1.28E-05	7.35E-05	8.77E-06	1.17E-05	3.85E-05	2.65E-06
5431	470069.84	3820057	1.37E-04	5.75E-04	5.18E-05	1.14E-04	4.22E-04	3.71E-05	1.29E-05	7.40E-05	8.83E-06	1.17E-05	3.87E-05	2.67E-06
5432	470061.1	3820053.22	1.38E-04	5.78E-04	5.20E-05	1.15E-04	4.25E-04	3.74E-05	1.30E-05	7.44E-05	8.88E-06	1.18E-05	3.89E-05	2.68E-06
5433	470052.35	3820049.44	1.38E-04	5.80E-04	5.23E-05	1.15E-04	4.26E-04	3.75E-05	1.31E-05	7.47E-05	8.91E-06	1.19E-05	3.91E-05	2.70E-06
5434	469667.66	3819883.08	8.03E-05	3.37E-04	3.04E-05	6.68E-05	2.48E-04	2.18E-05	7.58E-06	4.34E-05	5.18E-06	6.89E-06	2.27E-05	1.57E-06
5435	469655.44	3819870.44	7.80E-05	3.28E-04	2.95E-05	6.50E-05	2.41E-04	2.12E-05	7.37E-06	4.22E-05	5.03E-06	6.70E-06	2.21E-05	1.52E-06
5436	469651.95	3819861.57	7.76E-05	3.26E-04	2.93E-05	6.46E-05	2.39E-04	2.11E-05	7.33E-06	4.19E-05	5.00E-06	6.66E-06	2.20E-05	1.51E-06
5437	469648.47	3819852.7	7.70E-05	3.24E-04	2.91E-05	6.42E-05	2.38E-04	2.09E-05	7.27E-06	4.16E-05	4.97E-06	6.61E-06	2.18E-05	1.50E-06
5438	469644.99	3819843.84	7.64E-05	3.21E-04	2.89E-05	6.37E-05	2.36E-04	2.07E-05	7.22E-06	4.13E-05	4.93E-06	6.56E-06	2.16E-05	1.49E-06
5439	469557.94	3819622.18	4.28E-05	1.80E-04	1.62E-05	3.56E-05	1.32E-04	1.16E-05	4.04E-06	2.31E-05	2.76E-06	3.67E-06	1.21E-05	8.35E-07
5440	469554.46	3819613.31	4.12E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.23E-05	2.66E-06	3.54E-06	1.17E-05	8.04E-07
5441	469550.98	3819604.45	3.96E-05	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.08E-05	3.74E-06	2.14E-05	2.56E-06	3.40E-06	1.12E-05	7.73E-07
5442	469547.5	3819595.58	3.81E-05	1.60E-04	1.44E-05	3.17E-05	1.18E-04	1.03E-05	3.60E-06	2.06E-05	2.46E-06	3.27E-06	1.08E-05	7.43E-07
5443	469544.02	3819586.72	3.66E-05	1.54E-04	1.38E-05	3.05E-05	1.13E-04	9.93E-06	3.46E-06	1.98E-05	2.36E-06	3.14E-06	1.04E-05	7.14E-07
5444	469540.53	3819577.85	3.51E-05	1.48E-04	1.33E-05	2.93E-05	1.08E-04	9.54E-06	3.32E-06	1.90E-05	2.27E-06	3.02E-06	9.94E-06	6.85E-07
5445	469537.05	3819568.98	3.37E-05	1.42E-04	1.27E-05	2.81E-05	1.04E-04	9.15E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.54E-06	6.58E-07
5446	469533.57	3819560.12	3.23E-05	1.36E-04	1.22E-05	2.69E-05	9.97E-05	8.77E-06	3.05E-06	1.75E-05	2.08E-06	2.77E-06	9.14E-06	6.30E-07
5447	469530.09	3819551.25	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.55E-05	8.40E-06	2.92E-06	1.67E-05	2.00E-06	2.66E-06	8.76E-06	6.04E-07
5448	469526.61	3819542.38	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.15E-05	8.05E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.39E-06	5.79E-07
5449	469523.12	3819533.52	2.84E-05	1.19E-04	1.07E-05	2.37E-05	8.77E-05	7.71E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.04E-06	5.54E-07
5450	469519.64	3819524.65	2.72E-05	1.14E-04	1.03E-05	2.27E-05	8.39E-05	7.38E-06	2.57E-06	1.47E-05	1.75E-06	2.34E-06	7.70E-06	5.31E-07
5451	469516.16	3819515.79	2.61E-05	1.09E-04	9.86E-06	2.17E-05	8.04E-05	7.08E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.38E-06	5.09E-07
5452	469512.68	3819506.92	2.50E-05	1.05E-04	9.44E-06	2.08E-05	7.70E-05	6.78E-06	2.36E-06	1.35E-05	1.61E-06	2.14E-06	7.07E-06	4.87E-07
5453	469509.2	3819498.05	2.39E-05	1.00E-04	9.05E-06	1.99E-05	7.38E-05	6.50E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.77E-06	4.67E-07
5454	469505.72	3819489.19	2.30E-05	9.65E-05	8.69E-06	1.91E-05	7.09E-05	6.24E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.50E-06	4.48E-07
5455	469502.23	3819480.32	2.21E-05	9.26E-05	8.34E-06	1.84E-05	6.81E-05	5.99E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.24E-06	4.30E-07
5456	469498.75	3819471.45	2.12E-05	8.90E-05	8.02E-06	1.77E-05	6.54E-05	5.75E-06	2.00E-06	1.15E-05	1.37E-06	1.82E-06	6.00E-06	4.14E-07

5457	469495.27	3819462.59	2.04E-05	8.55E-05	7.70E-06	1.70E-05	6.28E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.76E-06	3.97E-07
5458	469491.79	3819453.72	1.96E-05	8.21E-05	7.39E-06	1.63E-05	6.03E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.53E-06	3.81E-07
5459	469488.31	3819444.85	1.88E-05	7.89E-05	7.11E-06	1.57E-05	5.80E-05	5.10E-06	1.77E-06	1.02E-05	1.21E-06	1.61E-06	5.32E-06	3.67E-07
5460	470096.07	3820068.34	1.34E-04	5.61E-04	5.05E-05	1.11E-04	4.12E-04	3.63E-05	1.26E-05	7.22E-05	8.62E-06	1.15E-05	3.78E-05	2.61E-06
5461	470105.77	3820068.47	1.33E-04	5.61E-04	5.05E-05	1.11E-04	4.12E-04	3.62E-05	1.26E-05	7.22E-05	8.61E-06	1.15E-05	3.78E-05	2.60E-06
5462	470115.46	3820068.61	1.33E-04	5.59E-04	5.04E-05	1.11E-04	4.11E-04	3.62E-05	1.26E-05	7.20E-05	8.59E-06	1.14E-05	3.77E-05	2.60E-06
5463	470125.16	3820068.74	1.33E-04	5.57E-04	5.02E-05	1.11E-04	4.10E-04	3.60E-05	1.25E-05	7.17E-05	8.56E-06	1.14E-05	3.76E-05	2.59E-06
5464	470134.86	3820068.88	1.32E-04	5.55E-04	5.00E-05	1.10E-04	4.08E-04	3.59E-05	1.25E-05	7.14E-05	8.52E-06	1.13E-05	3.74E-05	2.58E-06
5465	470144.56	3820069.01	1.31E-04	5.51E-04	4.97E-05	1.09E-04	4.05E-04	3.56E-05	1.24E-05	7.10E-05	8.47E-06	1.13E-05	3.72E-05	2.56E-06
5466	470154.25	3820069.15	1.30E-04	5.47E-04	4.93E-05	1.09E-04	4.02E-04	3.54E-05	1.23E-05	7.05E-05	8.41E-06	1.12E-05	3.69E-05	2.54E-06
5467	470163.95	3820069.28	1.29E-04	5.43E-04	4.89E-05	1.08E-04	3.99E-04	3.51E-05	1.22E-05	6.99E-05	8.34E-06	1.11E-05	3.66E-05	2.52E-06
5468	470173.65	3820069.42	1.28E-04	5.38E-04	4.85E-05	1.07E-04	3.95E-04	3.48E-05	1.21E-05	6.93E-05	8.27E-06	1.10E-05	3.63E-05	2.50E-06
5469	470183.34	3820069.55	1.27E-04	5.33E-04	4.80E-05	1.06E-04	3.92E-04	3.45E-05	1.20E-05	6.86E-05	8.19E-06	1.09E-05	3.59E-05	2.48E-06
5470	470193.04	3820069.69	1.26E-04	5.28E-04	4.75E-05	1.05E-04	3.88E-04	3.41E-05	1.19E-05	6.79E-05	8.10E-06	1.08E-05	3.56E-05	2.45E-06
5471	470202.74	3820069.82	1.24E-04	5.22E-04	4.70E-05	1.03E-04	3.83E-04	3.37E-05	1.17E-05	6.72E-05	8.01E-06	1.07E-05	3.52E-05	2.42E-06
5472	470212.44	3820069.96	1.23E-04	5.16E-04	4.64E-05	1.02E-04	3.79E-04	3.33E-05	1.16E-05	6.64E-05	7.92E-06	1.05E-05	3.47E-05	2.40E-06
5473	470222.13	3820070.09	1.21E-04	5.09E-04	4.58E-05	1.01E-04	3.74E-04	3.29E-05	1.14E-05	6.55E-05	7.82E-06	1.04E-05	3.43E-05	2.37E-06
5474	470231.83	3820070.23	1.20E-04	5.02E-04	4.53E-05	9.97E-05	3.69E-04	3.25E-05	1.13E-05	6.47E-05	7.72E-06	1.03E-05	3.39E-05	2.33E-06
5475	470241.53	3820070.36	1.18E-04	4.96E-04	4.47E-05	9.84E-05	3.64E-04	3.21E-05	1.12E-05	6.38E-05	7.62E-06	1.01E-05	3.34E-05	2.30E-06
5476	470251.23	3820070.5	1.17E-04	4.89E-04	4.41E-05	9.70E-05	3.60E-04	3.16E-05	1.10E-05	6.30E-05	7.52E-06	1.00E-05	3.30E-05	2.27E-06
5477	470260.92	3820070.63	1.15E-04	4.83E-04	4.35E-05	9.57E-05	3.55E-04	3.12E-05	1.09E-05	6.21E-05	7.41E-06	9.87E-06	3.25E-05	2.24E-06
5478	470086.73	3820104.54	1.22E-04	5.14E-04	4.63E-05	1.02E-04	3.78E-04	3.32E-05	1.16E-05	6.62E-05	7.90E-06	1.05E-05	3.47E-05	2.39E-06
5479	470077.95	3820100.74	1.23E-04	5.18E-04	4.67E-05	1.03E-04	3.81E-04	3.35E-05	1.17E-05	6.67E-05	7.96E-06	1.06E-05	3.49E-05	2.41E-06
5480	470069.17	3820096.95	1.24E-04	5.22E-04	4.70E-05	1.04E-04	3.84E-04	3.38E-05	1.17E-05	6.72E-05	8.02E-06	1.07E-05	3.52E-05	2.43E-06
5481	470060.39	3820093.15	1.25E-04	5.26E-04	4.73E-05	1.04E-04	3.86E-04	3.40E-05	1.18E-05	6.76E-05	8.07E-06	1.07E-05	3.54E-05	2.44E-06
5482	470051.61	3820089.35	1.26E-04	5.28E-04	4.76E-05	1.05E-04	3.88E-04	3.41E-05	1.19E-05	6.80E-05	8.11E-06	1.08E-05	3.56E-05	2.45E-06
5483	470042.83	3820085.56	1.26E-04	5.30E-04	4.77E-05	1.05E-04	3.90E-04	3.43E-05	1.19E-05	6.82E-05	8.14E-06	1.08E-05	3.57E-05	2.46E-06
5484	470034.05	3820081.76	1.27E-04	5.32E-04	4.79E-05	1.05E-04	3.91E-04	3.44E-05	1.20E-05	6.84E-05	8.16E-06	1.09E-05	3.58E-05	2.47E-06
5485	470025.27	3820077.96	1.27E-04	5.32E-04	4.79E-05	1.06E-04	3.91E-04	3.44E-05	1.20E-05	6.85E-05	8.18E-06	1.09E-05	3.59E-05	2.47E-06
5486	470016.49	3820074.16	1.27E-04	5.33E-04	4.80E-05	1.06E-04	3.91E-04	3.44E-05	1.20E-05	6.86E-05	8.18E-06	1.09E-05	3.59E-05	2.47E-06
5487	470007.71	3820070.37	1.27E-04	5.32E-04	4.79E-05	1.06E-04	3.91E-04	3.44E-05	1.20E-05	6.85E-05	8.17E-06	1.09E-05	3.59E-05	2.47E-06
5488	469998.93	3820066.57	1.27E-04	5.31E-04	4.78E-05	1.05E-04	3.90E-04	3.43E-05	1.19E-05	6.84E-05	8.16E-06	1.09E-05	3.58E-05	2.47E-06
5489	469990.15	3820062.77	1.26E-04	5.30E-04	4.77E-05	1.05E-04	3.89E-04	3.42E-05	1.19E-05	6.82E-05	8.14E-06	1.08E-05	3.57E-05	2.46E-06
5490	469981.37	3820058.98	1.26E-04	5.28E-04	4.75E-05	1.05E-04	3.88E-04	3.41E-05	1.19E-05	6.79E-05	8.10E-06	1.08E-05	3.56E-05	2.45E-06
5491	469972.59	3820055.18	1.25E-04	5.25E-04	4.73E-05	1.04E-04	3.86E-04	3.39E-05	1.18E-05	6.76E-05	8.06E-06	1.07E-05	3.54E-05	2.44E-06
5492	469963.81	3820051.38	1.24E-04	5.22E-04	4.70E-05	1.04E-04	3.84E-04	3.37E-05	1.17E-05	6.72E-05	8.02E-06	1.07E-05	3.52E-05	2.43E-06
5493	469665.28	3819922.29	7.74E-05	3.25E-04	2.93E-05	6.45E-05	2.39E-04	2.10E-05	7.31E-06	4.18E-05	4.99E-06	6.64E-06	2.19E-05	1.51E-06
5494	469656.5	3819918.49	7.59E-05	3.19E-04	2.87E-05	6.32E-05	2.34E-04	2.06E-05	7.16E-06	4.10E-05	4.89E-06	6.51E-06	2.15E-05	1.48E-06
5495	469647.72	3819914.7	7.43E-05	3.12E-04	2.81E-05	6.19E-05	2.29E-04	2.02E-05	7.02E-06	4.02E-05	4.79E-06	6.38E-06	2.10E-05	1.45E-06
5496	469638.94	3819910.9	7.28E-05	3.06E-04	2.75E-05	6.06E-05	2.25E-04	1.98E-05	6.87E-06	3.93E-05	4.69E-06	6.25E-06	2.06E-05	1.42E-06
5497	469626.66	3819898.2	7.09E-05	2.98E-04	2.68E-05	5.90E-05	2.19E-04	1.92E-05	6.69E-06	3.83E-05	4.57E-06	6.08E-06	2.01E-05	1.38E-06
5498	469623.16	3819889.3	7.05E-05	2.96E-04	2.66E-05	5.87E-05	2.17E-04	1.91E-05	6.65E-06	3.81E-05	4.54E-06	6.05E-06	1.99E-05	1.37E-06

5499	469619.67	3819880.39	7.00E-05	2.94E-04	2.65E-05	5.83E-05	2.16E-04	1.90E-05	6.61E-06	3.78E-05	4.51E-06	6.01E-06	1.98E-05	1.37E-06
5500	469616.17	3819871.49	6.95E-05	2.92E-04	2.63E-05	5.78E-05	2.14E-04	1.89E-05	6.56E-06	3.75E-05	4.48E-06	5.96E-06	1.97E-05	1.36E-06
5501	469612.67	3819862.58	6.89E-05	2.89E-04	2.60E-05	5.74E-05	2.12E-04	1.87E-05	6.50E-06	3.72E-05	4.44E-06	5.91E-06	1.95E-05	1.34E-06
5502	469609.18	3819853.68	6.82E-05	2.86E-04	2.58E-05	5.68E-05	2.11E-04	1.85E-05	6.44E-06	3.69E-05	4.40E-06	5.86E-06	1.93E-05	1.33E-06
5503	469605.68	3819844.78	6.75E-05	2.84E-04	2.55E-05	5.62E-05	2.08E-04	1.83E-05	6.38E-06	3.65E-05	4.35E-06	5.80E-06	1.91E-05	1.32E-06
5504	469518.26	3819622.17	3.62E-05	1.52E-04	1.37E-05	3.01E-05	1.12E-04	9.82E-06	3.42E-06	1.96E-05	2.33E-06	3.11E-06	1.02E-05	7.06E-07
5505	469514.77	3819613.27	3.48E-05	1.46E-04	1.32E-05	2.90E-05	1.07E-04	9.45E-06	3.29E-06	1.88E-05	2.24E-06	2.99E-06	9.85E-06	6.79E-07
5506	469511.27	3819604.37	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.48E-06	6.53E-07
5507	469507.77	3819595.46	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.93E-05	8.74E-06	3.04E-06	1.74E-05	2.08E-06	2.76E-06	9.11E-06	6.28E-07
5508	469504.28	3819586.56	3.09E-05	1.30E-04	1.17E-05	2.58E-05	9.55E-05	8.40E-06	2.92E-06	1.67E-05	2.00E-06	2.66E-06	8.76E-06	6.04E-07
5509	469500.78	3819577.65	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.16E-05	8.06E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.40E-06	5.79E-07
5510	469497.28	3819568.75	2.85E-05	1.20E-04	1.08E-05	2.37E-05	8.78E-05	7.73E-06	2.69E-06	1.54E-05	1.84E-06	2.44E-06	8.06E-06	5.55E-07
5511	469493.79	3819559.84	2.73E-05	1.15E-04	1.03E-05	2.27E-05	8.42E-05	7.41E-06	2.58E-06	1.48E-05	1.76E-06	2.34E-06	7.72E-06	5.32E-07
5512	469490.29	3819550.94	2.62E-05	1.10E-04	9.90E-06	2.18E-05	8.08E-05	7.11E-06	2.47E-06	1.41E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
5513	469486.79	3819542.04	2.51E-05	1.06E-04	9.50E-06	2.09E-05	7.75E-05	6.82E-06	2.37E-06	1.36E-05	1.62E-06	2.16E-06	7.11E-06	4.90E-07
5514	469483.3	3819533.13	2.41E-05	1.01E-04	9.12E-06	2.01E-05	7.44E-05	6.55E-06	2.28E-06	1.30E-05	1.56E-06	2.07E-06	6.82E-06	4.70E-07
5515	469479.8	3819524.23	2.31E-05	9.72E-05	8.75E-06	1.93E-05	7.14E-05	6.28E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.55E-06	4.52E-07
5516	469476.3	3819515.32	2.22E-05	9.33E-05	8.40E-06	1.85E-05	6.86E-05	6.03E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.29E-06	4.33E-07
5517	469472.81	3819506.42	2.13E-05	8.96E-05	8.07E-06	1.78E-05	6.58E-05	5.79E-06	2.01E-06	1.15E-05	1.38E-06	1.83E-06	6.04E-06	4.16E-07
5518	469469.31	3819497.52	2.05E-05	8.61E-05	7.75E-06	1.71E-05	6.32E-05	5.56E-06	1.94E-06	1.11E-05	1.32E-06	1.76E-06	5.80E-06	4.00E-07
5519	469465.81	3819488.61	1.97E-05	8.27E-05	7.45E-06	1.64E-05	6.08E-05	5.35E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.57E-06	3.84E-07
5520	469462.32	3819479.71	1.89E-05	7.95E-05	7.16E-06	1.58E-05	5.84E-05	5.14E-06	1.79E-06	1.02E-05	1.22E-06	1.63E-06	5.36E-06	3.70E-07
5521	469458.82	3819470.8	1.82E-05	7.65E-05	6.89E-06	1.52E-05	5.62E-05	4.95E-06	1.72E-06	9.85E-06	1.18E-06	1.56E-06	5.16E-06	3.55E-07
5522	469455.32	3819461.9	1.75E-05	7.36E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.66E-06	9.48E-06	1.13E-06	1.51E-06	4.96E-06	3.42E-07
5523	469451.83	3819453	1.69E-05	7.09E-05	6.39E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.13E-06	1.09E-06	1.45E-06	4.78E-06	3.30E-07
5524	469448.33	3819444.09	1.63E-05	6.84E-05	6.16E-06	1.36E-05	5.02E-05	4.42E-06	1.54E-06	8.80E-06	1.05E-06	1.40E-06	4.61E-06	3.18E-07
5525	470095.51	3820108.34	1.21E-04	5.09E-04	4.59E-05	1.01E-04	3.74E-04	3.29E-05	1.15E-05	6.56E-05	7.82E-06	1.04E-05	3.43E-05	2.37E-06
5526	470105.21	3820108.47	1.21E-04	5.08E-04	4.58E-05	1.01E-04	3.74E-04	3.29E-05	1.14E-05	6.54E-05	7.81E-06	1.04E-05	3.43E-05	2.36E-06
5527	470114.91	3820108.61	1.21E-04	5.07E-04	4.56E-05	1.01E-04	3.72E-04	3.28E-05	1.14E-05	6.52E-05	7.79E-06	1.04E-05	3.42E-05	2.36E-06
5528	470124.6	3820108.74	1.20E-04	5.05E-04	4.55E-05	1.00E-04	3.71E-04	3.26E-05	1.14E-05	6.50E-05	7.75E-06	1.03E-05	3.40E-05	2.35E-06
5529	470134.3	3820108.88	1.20E-04	5.02E-04	4.52E-05	9.96E-05	3.69E-04	3.25E-05	1.13E-05	6.47E-05	7.71E-06	1.03E-05	3.39E-05	2.33E-06
5530	470144	3820109.01	1.19E-04	4.99E-04	4.50E-05	9.90E-05	3.67E-04	3.23E-05	1.12E-05	6.43E-05	7.67E-06	1.02E-05	3.37E-05	2.32E-06
5531	470153.7	3820109.15	1.18E-04	4.96E-04	4.46E-05	9.83E-05	3.64E-04	3.20E-05	1.11E-05	6.38E-05	7.61E-06	1.01E-05	3.34E-05	2.30E-06
5532	470163.39	3820109.28	1.17E-04	4.92E-04	4.43E-05	9.76E-05	3.61E-04	3.18E-05	1.11E-05	6.33E-05	7.55E-06	1.01E-05	3.32E-05	2.29E-06
5533	470173.09	3820109.42	1.16E-04	4.88E-04	4.39E-05	9.67E-05	3.58E-04	3.15E-05	1.10E-05	6.28E-05	7.49E-06	9.97E-06	3.29E-05	2.27E-06
5534	470182.79	3820109.55	1.15E-04	4.83E-04	4.35E-05	9.58E-05	3.55E-04	3.12E-05	1.09E-05	6.22E-05	7.42E-06	9.87E-06	3.25E-05	2.24E-06
5535	470192.48	3820109.69	1.14E-04	4.78E-04	4.30E-05	9.48E-05	3.51E-04	3.09E-05	1.07E-05	6.15E-05	7.34E-06	9.77E-06	3.22E-05	2.22E-06
5536	470202.18	3820109.82	1.13E-04	4.73E-04	4.26E-05	9.37E-05	3.47E-04	3.05E-05	1.06E-05	6.08E-05	7.26E-06	9.66E-06	3.19E-05	2.20E-06
5537	470211.88	3820109.96	1.11E-04	4.67E-04	4.21E-05	9.27E-05	3.43E-04	3.02E-05	1.05E-05	6.01E-05	7.18E-06	9.55E-06	3.15E-05	2.17E-06
5538	470221.58	3820110.09	1.10E-04	4.62E-04	4.16E-05	9.16E-05	3.39E-04	2.98E-05	1.04E-05	5.94E-05	7.09E-06	9.44E-06	3.11E-05	2.15E-06
5539	470231.27	3820110.23	1.09E-04	4.56E-04	4.11E-05	9.05E-05	3.35E-04	2.95E-05	1.03E-05	5.87E-05	7.01E-06	9.32E-06	3.07E-05	2.12E-06
5540	470240.97	3820110.36	1.07E-04	4.50E-04	4.06E-05	8.93E-05	3.31E-04	2.91E-05	1.01E-05	5.80E-05	6.92E-06	9.21E-06	3.04E-05	2.09E-06

5541	470250.67	3820110.5	1.06E-04	4.44E-04	4.00E-05	8.81E-05	3.27E-04	2.87E-05	9.99E-06	5.72E-05	6.83E-06	9.08E-06	3.00E-05	2.06E-06
5542	470260.37	3820110.63	1.04E-04	4.38E-04	3.95E-05	8.70E-05	3.22E-04	2.83E-05	9.86E-06	5.64E-05	6.73E-06	8.96E-06	2.96E-05	2.04E-06
5543	470086.14	3820144.52	1.12E-04	4.69E-04	4.23E-05	9.31E-05	3.45E-04	3.03E-05	1.06E-05	6.04E-05	7.21E-06	9.59E-06	3.16E-05	2.18E-06
5544	470077.33	3820140.71	1.13E-04	4.73E-04	4.26E-05	9.39E-05	3.48E-04	3.06E-05	1.06E-05	6.09E-05	7.27E-06	9.67E-06	3.19E-05	2.20E-06
5545	470068.52	3820136.9	1.14E-04	4.77E-04	4.29E-05	9.46E-05	3.50E-04	3.08E-05	1.07E-05	6.14E-05	7.32E-06	9.75E-06	3.21E-05	2.22E-06
5546	470059.7	3820133.09	1.14E-04	4.80E-04	4.32E-05	9.52E-05	3.53E-04	3.10E-05	1.08E-05	6.18E-05	7.37E-06	9.81E-06	3.24E-05	2.23E-06
5547	470050.89	3820129.28	1.15E-04	4.83E-04	4.35E-05	9.57E-05	3.55E-04	3.12E-05	1.09E-05	6.21E-05	7.41E-06	9.87E-06	3.25E-05	2.24E-06
5548	470042.07	3820125.46	1.15E-04	4.85E-04	4.37E-05	9.61E-05	3.56E-04	3.13E-05	1.09E-05	6.24E-05	7.44E-06	9.91E-06	3.27E-05	2.25E-06
5549	470033.26	3820121.65	1.16E-04	4.86E-04	4.38E-05	9.65E-05	3.57E-04	3.14E-05	1.09E-05	6.26E-05	7.47E-06	9.94E-06	3.28E-05	2.26E-06
5550	470024.45	3820117.84	1.16E-04	4.87E-04	4.39E-05	9.67E-05	3.58E-04	3.15E-05	1.10E-05	6.27E-05	7.49E-06	9.96E-06	3.29E-05	2.26E-06
5551	470015.63	3820114.03	1.16E-04	4.88E-04	4.39E-05	9.68E-05	3.59E-04	3.15E-05	1.10E-05	6.28E-05	7.49E-06	9.97E-06	3.29E-05	2.27E-06
5552	470006.82	3820110.22	1.16E-04	4.88E-04	4.39E-05	9.68E-05	3.59E-04	3.15E-05	1.10E-05	6.28E-05	7.49E-06	9.97E-06	3.29E-05	2.27E-06
5553	469998.01	3820106.41	1.16E-04	4.87E-04	4.39E-05	9.67E-05	3.58E-04	3.15E-05	1.10E-05	6.27E-05	7.49E-06	9.96E-06	3.29E-05	2.26E-06
5554	469989.19	3820102.6	1.16E-04	4.86E-04	4.38E-05	9.65E-05	3.57E-04	3.14E-05	1.09E-05	6.26E-05	7.47E-06	9.94E-06	3.28E-05	2.26E-06
5555	469980.38	3820098.79	1.15E-04	4.85E-04	4.37E-05	9.62E-05	3.56E-04	3.13E-05	1.09E-05	6.24E-05	7.45E-06	9.91E-06	3.27E-05	2.25E-06
5556	469971.57	3820094.98	1.15E-04	4.83E-04	4.35E-05	9.58E-05	3.55E-04	3.12E-05	1.09E-05	6.22E-05	7.42E-06	9.87E-06	3.25E-05	2.24E-06
5557	469962.75	3820091.16	1.14E-04	4.80E-04	4.33E-05	9.53E-05	3.53E-04	3.11E-05	1.08E-05	6.19E-05	7.38E-06	9.82E-06	3.24E-05	2.23E-06
5558	469953.94	3820087.35	1.14E-04	4.78E-04	4.30E-05	9.47E-05	3.51E-04	3.09E-05	1.07E-05	6.15E-05	7.34E-06	9.77E-06	3.22E-05	2.22E-06
5559	469945.13	3820083.54	1.13E-04	4.75E-04	4.27E-05	9.41E-05	3.49E-04	3.07E-05	1.07E-05	6.11E-05	7.29E-06	9.70E-06	3.20E-05	2.20E-06
5560	469936.31	3820079.73	1.12E-04	4.71E-04	4.24E-05	9.34E-05	3.46E-04	3.04E-05	1.06E-05	6.06E-05	7.23E-06	9.63E-06	3.17E-05	2.19E-06
5561	469927.5	3820075.92	1.11E-04	4.67E-04	4.21E-05	9.26E-05	3.43E-04	3.02E-05	1.05E-05	6.01E-05	7.17E-06	9.55E-06	3.15E-05	2.17E-06
5562	469918.68	3820072.11	1.10E-04	4.63E-04	4.17E-05	9.18E-05	3.40E-04	2.99E-05	1.04E-05	5.96E-05	7.11E-06	9.46E-06	3.12E-05	2.15E-06
5563	469909.87	3820068.3	1.09E-04	4.59E-04	4.13E-05	9.10E-05	3.37E-04	2.96E-05	1.03E-05	5.90E-05	7.04E-06	9.37E-06	3.09E-05	2.13E-06
5564	469901.06	3820064.49	1.08E-04	4.54E-04	4.09E-05	9.00E-05	3.34E-04	2.93E-05	1.02E-05	5.84E-05	6.97E-06	9.28E-06	3.06E-05	2.11E-06
5565	469892.24	3820060.67	1.07E-04	4.49E-04	4.05E-05	8.91E-05	3.30E-04	2.90E-05	1.01E-05	5.78E-05	6.90E-06	9.18E-06	3.03E-05	2.09E-06
5566	469883.43	3820056.86	1.06E-04	4.44E-04	4.00E-05	8.81E-05	3.26E-04	2.87E-05	9.99E-06	5.72E-05	6.82E-06	9.08E-06	2.99E-05	2.06E-06
5567	469874.62	3820053.05	1.05E-04	4.39E-04	3.96E-05	8.71E-05	3.23E-04	2.84E-05	9.88E-06	5.65E-05	6.75E-06	8.98E-06	2.96E-05	2.04E-06
5568	469865.8	3820049.24	1.03E-04	4.34E-04	3.91E-05	8.61E-05	3.19E-04	2.81E-05	9.76E-06	5.59E-05	6.67E-06	8.87E-06	2.93E-05	2.02E-06
5569	469671.91	3819965.39	7.56E-05	3.17E-04	2.86E-05	6.29E-05	2.33E-04	2.05E-05	7.13E-06	4.08E-05	4.87E-06	6.49E-06	2.14E-05	1.47E-06
5570	469663.09	3819961.58	7.43E-05	3.12E-04	2.81E-05	6.19E-05	2.29E-04	2.02E-05	7.01E-06	4.01E-05	4.79E-06	6.38E-06	2.10E-05	1.45E-06
5571	469654.28	3819957.77	7.30E-05	3.06E-04	2.76E-05	6.08E-05	2.25E-04	1.98E-05	6.89E-06	3.94E-05	4.71E-06	6.26E-06	2.07E-05	1.42E-06
5572	469645.46	3819953.96	7.16E-05	3.01E-04	2.71E-05	5.97E-05	2.21E-04	1.94E-05	6.77E-06	3.87E-05	4.62E-06	6.15E-06	2.03E-05	1.40E-06
5573	469636.65	3819950.15	7.03E-05	2.95E-04	2.66E-05	5.86E-05	2.17E-04	1.91E-05	6.64E-06	3.80E-05	4.54E-06	6.04E-06	1.99E-05	1.37E-06
5574	469627.84	3819946.34	6.90E-05	2.90E-04	2.61E-05	5.75E-05	2.13E-04	1.87E-05	6.51E-06	3.73E-05	4.45E-06	5.92E-06	1.95E-05	1.35E-06
5575	469619.02	3819942.53	6.77E-05	2.84E-04	2.56E-05	5.63E-05	2.09E-04	1.84E-05	6.39E-06	3.66E-05	4.36E-06	5.81E-06	1.91E-05	1.32E-06
5576	469610.21	3819938.72	6.63E-05	2.78E-04	2.51E-05	5.52E-05	2.05E-04	1.80E-05	6.26E-06	3.58E-05	4.28E-06	5.69E-06	1.88E-05	1.29E-06
5577	469597.89	3819925.97	6.47E-05	2.72E-04	2.45E-05	5.39E-05	2.00E-04	1.76E-05	6.11E-06	3.50E-05	4.17E-06	5.55E-06	1.83E-05	1.26E-06
5578	469594.38	3819917.03	6.43E-05	2.70E-04	2.43E-05	5.36E-05	1.98E-04	1.75E-05	6.07E-06	3.48E-05	4.15E-06	5.52E-06	1.82E-05	1.25E-06
5579	469590.87	3819908.09	6.39E-05	2.68E-04	2.42E-05	5.32E-05	1.97E-04	1.73E-05	6.03E-06	3.45E-05	4.12E-06	5.49E-06	1.81E-05	1.25E-06
5580	469587.36	3819899.15	6.34E-05	2.66E-04	2.40E-05	5.28E-05	1.96E-04	1.72E-05	5.99E-06	3.43E-05	4.09E-06	5.45E-06	1.80E-05	1.24E-06
5581	469583.85	3819890.21	6.29E-05	2.64E-04	2.38E-05	5.24E-05	1.94E-04	1.71E-05	5.94E-06	3.40E-05	4.06E-06	5.40E-06	1.78E-05	1.23E-06
5582	469580.34	3819881.28	6.24E-05	2.62E-04	2.36E-05	5.19E-05	1.92E-04	1.69E-05	5.89E-06	3.37E-05	4.02E-06	5.35E-06	1.77E-05	1.22E-06

5583	469576.83	3819872.34	6.18E-05	2.59E-04	2.34E-05	5.14E-05	1.91E-04	1.68E-05	5.83E-06	3.34E-05	3.98E-06	5.30E-06	1.75E-05	1.21E-06
5584	469573.32	3819863.4	6.11E-05	2.57E-04	2.31E-05	5.09E-05	1.89E-04	1.66E-05	5.77E-06	3.30E-05	3.94E-06	5.25E-06	1.73E-05	1.19E-06
5585	469569.81	3819854.46	6.04E-05	2.54E-04	2.28E-05	5.03E-05	1.86E-04	1.64E-05	5.70E-06	3.26E-05	3.89E-06	5.18E-06	1.71E-05	1.18E-06
5586	469566.3	3819845.53	5.96E-05	2.50E-04	2.25E-05	4.97E-05	1.84E-04	1.62E-05	5.63E-06	3.22E-05	3.85E-06	5.12E-06	1.69E-05	1.16E-06
5587	469478.55	3819622.08	3.08E-05	1.29E-04	1.16E-05	2.56E-05	9.50E-05	8.36E-06	2.91E-06	1.66E-05	1.99E-06	2.64E-06	8.72E-06	6.01E-07
5588	469475.04	3819613.14	2.96E-05	1.24E-04	1.12E-05	2.47E-05	9.14E-05	8.04E-06	2.80E-06	1.60E-05	1.91E-06	2.54E-06	8.38E-06	5.78E-07
5589	469471.53	3819604.21	2.85E-05	1.20E-04	1.08E-05	2.37E-05	8.80E-05	7.74E-06	2.69E-06	1.54E-05	1.84E-06	2.45E-06	8.07E-06	5.56E-07
5590	469468.02	3819595.27	2.74E-05	1.15E-04	1.04E-05	2.28E-05	8.46E-05	7.45E-06	2.59E-06	1.48E-05	1.77E-06	2.35E-06	7.76E-06	5.35E-07
5591	469464.51	3819586.33	2.64E-05	1.11E-04	9.98E-06	2.20E-05	8.14E-05	7.16E-06	2.49E-06	1.43E-05	1.70E-06	2.26E-06	7.47E-06	5.15E-07
5592	469461	3819577.39	2.53E-05	1.06E-04	9.58E-06	2.11E-05	7.82E-05	6.88E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.17E-06	4.94E-07
5593	469457.49	3819568.45	2.43E-05	1.02E-04	9.19E-06	2.03E-05	7.50E-05	6.60E-06	2.30E-06	1.31E-05	1.57E-06	2.09E-06	6.88E-06	4.74E-07
5594	469453.98	3819559.52	2.33E-05	9.80E-05	8.82E-06	1.94E-05	7.20E-05	6.33E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.60E-06	4.55E-07
5595	469450.47	3819550.58	2.24E-05	9.41E-05	8.48E-06	1.87E-05	6.92E-05	6.08E-06	2.12E-06	1.21E-05	1.45E-06	1.92E-06	6.34E-06	4.37E-07
5596	469446.96	3819541.64	2.15E-05	9.05E-05	8.15E-06	1.79E-05	6.65E-05	5.85E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.10E-06	4.20E-07
5597	469443.45	3819532.7	2.07E-05	8.70E-05	7.83E-06	1.72E-05	6.39E-05	5.62E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.86E-06	4.04E-07
5598	469439.94	3819523.77	1.99E-05	8.36E-05	7.53E-06	1.66E-05	6.14E-05	5.40E-06	1.88E-06	1.08E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
5599	469436.43	3819514.83	1.91E-05	8.04E-05	7.24E-06	1.59E-05	5.91E-05	5.20E-06	1.81E-06	1.03E-05	1.23E-06	1.64E-06	5.42E-06	3.73E-07
5600	469432.92	3819505.89	1.84E-05	7.73E-05	6.96E-06	1.53E-05	5.68E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07
5601	469429.41	3819496.95	1.77E-05	7.44E-05	6.70E-06	1.48E-05	5.47E-05	4.81E-06	1.67E-06	9.58E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
5602	469425.9	3819488.01	1.71E-05	7.17E-05	6.45E-06	1.42E-05	5.27E-05	4.63E-06	1.61E-06	9.23E-06	1.10E-06	1.47E-06	4.83E-06	3.33E-07
5603	469422.39	3819479.08	1.64E-05	6.91E-05	6.22E-06	1.37E-05	5.07E-05	4.46E-06	1.55E-06	8.89E-06	1.06E-06	1.41E-06	4.65E-06	3.21E-07
5604	469418.88	3819470.14	1.59E-05	6.66E-05	5.99E-06	1.32E-05	4.89E-05	4.30E-06	1.50E-06	8.57E-06	1.02E-06	1.36E-06	4.49E-06	3.09E-07
5605	469415.37	3819461.2	1.53E-05	6.42E-05	5.78E-06	1.27E-05	4.72E-05	4.15E-06	1.44E-06	8.27E-06	9.86E-07	1.31E-06	4.33E-06	2.98E-07
5606	469411.86	3819452.26	1.48E-05	6.20E-05	5.58E-06	1.23E-05	4.55E-05	4.01E-06	1.39E-06	7.98E-06	9.52E-07	1.27E-06	4.18E-06	2.88E-07
5607	469408.35	3819443.32	1.43E-05	5.99E-05	5.39E-06	1.19E-05	4.40E-05	3.87E-06	1.35E-06	7.71E-06	9.19E-07	1.22E-06	4.03E-06	2.78E-07
5608	470094.96	3820148.33	1.11E-04	4.65E-04	4.18E-05	9.22E-05	3.41E-04	3.00E-05	1.04E-05	5.98E-05	7.14E-06	9.50E-06	3.13E-05	2.16E-06
5609	470104.65	3820148.47	1.10E-04	4.63E-04	4.17E-05	9.19E-05	3.41E-04	3.00E-05	1.04E-05	5.97E-05	7.12E-06	9.47E-06	3.12E-05	2.15E-06
5610	470114.35	3820148.6	1.10E-04	4.62E-04	4.16E-05	9.16E-05	3.39E-04	2.98E-05	1.04E-05	5.94E-05	7.09E-06	9.44E-06	3.11E-05	2.15E-06
5611	470124.05	3820148.74	1.09E-04	4.60E-04	4.14E-05	9.12E-05	3.38E-04	2.97E-05	1.03E-05	5.92E-05	7.06E-06	9.40E-06	3.10E-05	2.14E-06
5612	470133.74	3820148.87	1.09E-04	4.57E-04	4.12E-05	9.07E-05	3.36E-04	2.96E-05	1.03E-05	5.89E-05	7.02E-06	9.35E-06	3.08E-05	2.12E-06
5613	470143.44	3820149.01	1.08E-04	4.54E-04	4.09E-05	9.01E-05	3.34E-04	2.94E-05	1.02E-05	5.85E-05	6.98E-06	9.29E-06	3.06E-05	2.11E-06
5614	470153.14	3820149.14	1.07E-04	4.51E-04	4.06E-05	8.94E-05	3.31E-04	2.92E-05	1.01E-05	5.81E-05	6.93E-06	9.22E-06	3.04E-05	2.10E-06
5615	470162.84	3820149.28	1.07E-04	4.47E-04	4.03E-05	8.87E-05	3.29E-04	2.89E-05	1.01E-05	5.76E-05	6.87E-06	9.14E-06	3.01E-05	2.08E-06
5616	470172.53	3820149.41	1.06E-04	4.43E-04	3.99E-05	8.79E-05	3.26E-04	2.87E-05	9.97E-06	5.71E-05	6.81E-06	9.06E-06	2.99E-05	2.06E-06
5617	470182.23	3820149.55	1.05E-04	4.39E-04	3.95E-05	8.71E-05	3.23E-04	2.84E-05	9.87E-06	5.65E-05	6.74E-06	8.98E-06	2.96E-05	2.04E-06
5618	470191.93	3820149.68	1.04E-04	4.35E-04	3.91E-05	8.62E-05	3.19E-04	2.81E-05	9.77E-06	5.60E-05	6.68E-06	8.89E-06	2.93E-05	2.02E-06
5619	470201.63	3820149.82	1.02E-04	4.30E-04	3.87E-05	8.53E-05	3.16E-04	2.78E-05	9.67E-06	5.54E-05	6.61E-06	8.79E-06	2.90E-05	2.00E-06
5620	470211.32	3820149.95	1.01E-04	4.25E-04	3.83E-05	8.44E-05	3.13E-04	2.75E-05	9.56E-06	5.48E-05	6.53E-06	8.69E-06	2.87E-05	1.98E-06
5621	470221.02	3820150.09	1.00E-04	4.20E-04	3.79E-05	8.34E-05	3.09E-04	2.72E-05	9.45E-06	5.41E-05	6.46E-06	8.59E-06	2.83E-05	1.95E-06
5622	470230.72	3820150.22	9.89E-05	4.15E-04	3.74E-05	8.24E-05	3.05E-04	2.68E-05	9.34E-06	5.35E-05	6.38E-06	8.49E-06	2.80E-05	1.93E-06
5623	470240.41	3820150.36	9.77E-05	4.10E-04	3.69E-05	8.14E-05	3.01E-04	2.65E-05	9.23E-06	5.28E-05	6.30E-06	8.39E-06	2.77E-05	1.91E-06
5624	470250.11	3820150.49	9.65E-05	4.05E-04	3.65E-05	8.04E-05	2.98E-04	2.62E-05	9.11E-06	5.22E-05	6.22E-06	8.28E-06	2.73E-05	1.88E-06

5625	470259.81	3820150.63	9.53E-05	4.00E-04	3.60E-05	7.94E-05	2.94E-04	2.59E-05	9.00E-06	5.15E-05	6.15E-06	8.18E-06	2.70E-05	1.86E-06
5626	470049.49	3820209.15	9.70E-05	4.07E-04	3.67E-05	8.08E-05	2.99E-04	2.63E-05	9.16E-06	5.25E-05	6.26E-06	8.33E-06	2.75E-05	1.89E-06
5627	470040.62	3820205.31	9.75E-05	4.10E-04	3.69E-05	8.13E-05	3.01E-04	2.65E-05	9.21E-06	5.27E-05	6.29E-06	8.37E-06	2.76E-05	1.90E-06
5628	470031.75	3820201.47	9.80E-05	4.11E-04	3.71E-05	8.16E-05	3.02E-04	2.66E-05	9.25E-06	5.30E-05	6.32E-06	8.41E-06	2.77E-05	1.91E-06
5629	470022.88	3820197.64	9.83E-05	4.13E-04	3.72E-05	8.19E-05	3.03E-04	2.67E-05	9.28E-06	5.31E-05	6.34E-06	8.44E-06	2.78E-05	1.92E-06
5630	470014.01	3820193.8	9.85E-05	4.14E-04	3.73E-05	8.21E-05	3.04E-04	2.68E-05	9.31E-06	5.33E-05	6.36E-06	8.46E-06	2.79E-05	1.92E-06
5631	470005.14	3820189.97	9.87E-05	4.14E-04	3.73E-05	8.22E-05	3.05E-04	2.68E-05	9.32E-06	5.34E-05	6.37E-06	8.47E-06	2.79E-05	1.93E-06
5632	469996.27	3820186.13	9.87E-05	4.15E-04	3.73E-05	8.22E-05	3.05E-04	2.68E-05	9.32E-06	5.34E-05	6.37E-06	8.48E-06	2.80E-05	1.93E-06
5633	469987.4	3820182.29	9.87E-05	4.14E-04	3.73E-05	8.22E-05	3.05E-04	2.68E-05	9.32E-06	5.34E-05	6.37E-06	8.47E-06	2.79E-05	1.93E-06
5634	469978.53	3820178.46	9.86E-05	4.14E-04	3.73E-05	8.21E-05	3.04E-04	2.68E-05	9.31E-06	5.33E-05	6.36E-06	8.46E-06	2.79E-05	1.92E-06
5635	469969.66	3820174.62	9.83E-05	4.13E-04	3.72E-05	8.19E-05	3.03E-04	2.67E-05	9.29E-06	5.32E-05	6.34E-06	8.44E-06	2.78E-05	1.92E-06
5636	469960.79	3820170.79	9.80E-05	4.12E-04	3.71E-05	8.16E-05	3.02E-04	2.66E-05	9.26E-06	5.30E-05	6.32E-06	8.41E-06	2.77E-05	1.91E-06
5637	469951.92	3820166.95	9.76E-05	4.10E-04	3.69E-05	8.13E-05	3.01E-04	2.65E-05	9.22E-06	5.28E-05	6.30E-06	8.38E-06	2.76E-05	1.90E-06
5638	469943.05	3820163.12	9.71E-05	4.08E-04	3.67E-05	8.09E-05	3.00E-04	2.64E-05	9.17E-06	5.25E-05	6.26E-06	8.34E-06	2.75E-05	1.89E-06
5639	469934.17	3820159.28	9.65E-05	4.05E-04	3.65E-05	8.04E-05	2.98E-04	2.62E-05	9.12E-06	5.22E-05	6.23E-06	8.29E-06	2.73E-05	1.88E-06
5640	469925.3	3820155.44	9.59E-05	4.03E-04	3.63E-05	7.99E-05	2.96E-04	2.60E-05	9.06E-06	5.18E-05	6.19E-06	8.23E-06	2.71E-05	1.87E-06
5641	469916.43	3820151.61	9.52E-05	4.00E-04	3.60E-05	7.93E-05	2.94E-04	2.59E-05	8.99E-06	5.15E-05	6.14E-06	8.18E-06	2.70E-05	1.86E-06
5642	469907.56	3820147.77	9.45E-05	3.97E-04	3.57E-05	7.87E-05	2.92E-04	2.57E-05	8.92E-06	5.11E-05	6.10E-06	8.11E-06	2.67E-05	1.84E-06
5643	469898.69	3820143.94	9.37E-05	3.94E-04	3.54E-05	7.80E-05	2.89E-04	2.54E-05	8.85E-06	5.07E-05	6.04E-06	8.04E-06	2.65E-05	1.83E-06
5644	469889.82	3820140.1	9.29E-05	3.90E-04	3.51E-05	7.74E-05	2.87E-04	2.52E-05	8.77E-06	5.02E-05	5.99E-06	7.97E-06	2.63E-05	1.81E-06
5645	469880.95	3820136.27	9.20E-05	3.86E-04	3.48E-05	7.67E-05	2.84E-04	2.50E-05	8.69E-06	4.98E-05	5.94E-06	7.90E-06	2.60E-05	1.80E-06
5646	469872.08	3820132.43	9.11E-05	3.83E-04	3.45E-05	7.59E-05	2.81E-04	2.47E-05	8.61E-06	4.93E-05	5.88E-06	7.82E-06	2.58E-05	1.78E-06
5647	469863.21	3820128.59	9.02E-05	3.79E-04	3.41E-05	7.51E-05	2.78E-04	2.45E-05	8.52E-06	4.88E-05	5.82E-06	7.74E-06	2.55E-05	1.76E-06
5648	469854.34	3820124.76	8.92E-05	3.75E-04	3.37E-05	7.43E-05	2.75E-04	2.42E-05	8.43E-06	4.82E-05	5.76E-06	7.66E-06	2.53E-05	1.74E-06
5649	469845.47	3820120.92	8.82E-05	3.71E-04	3.34E-05	7.35E-05	2.72E-04	2.40E-05	8.33E-06	4.77E-05	5.69E-06	7.58E-06	2.50E-05	1.72E-06
5650	469836.6	3820117.09	8.72E-05	3.66E-04	3.30E-05	7.27E-05	2.69E-04	2.37E-05	8.24E-06	4.72E-05	5.63E-06	7.49E-06	2.47E-05	1.70E-06
5651	469827.73	3820113.25	8.62E-05	3.62E-04	3.26E-05	7.18E-05	2.66E-04	2.34E-05	8.14E-06	4.66E-05	5.56E-06	7.40E-06	2.44E-05	1.68E-06
5652	469818.86	3820109.41	8.52E-05	3.58E-04	3.22E-05	7.10E-05	2.63E-04	2.31E-05	8.05E-06	4.61E-05	5.50E-06	7.32E-06	2.41E-05	1.66E-06
5653	469809.99	3820105.58	8.42E-05	3.54E-04	3.18E-05	7.01E-05	2.60E-04	2.29E-05	7.95E-06	4.55E-05	5.43E-06	7.23E-06	2.38E-05	1.64E-06
5654	469801.12	3820101.74	8.32E-05	3.49E-04	3.15E-05	6.93E-05	2.57E-04	2.26E-05	7.86E-06	4.50E-05	5.37E-06	7.14E-06	2.36E-05	1.62E-06
5655	469792.25	3820097.91	8.22E-05	3.45E-04	3.11E-05	6.85E-05	2.54E-04	2.23E-05	7.76E-06	4.44E-05	5.30E-06	7.06E-06	2.33E-05	1.60E-06
5656	469783.38	3820094.07	8.12E-05	3.41E-04	3.07E-05	6.76E-05	2.51E-04	2.20E-05	7.67E-06	4.39E-05	5.24E-06	6.97E-06	2.30E-05	1.58E-06
5657	469774.51	3820090.24	8.02E-05	3.37E-04	3.03E-05	6.68E-05	2.48E-04	2.18E-05	7.57E-06	4.34E-05	5.17E-06	6.89E-06	2.27E-05	1.57E-06
5658	469765.64	3820086.4	7.92E-05	3.33E-04	3.00E-05	6.60E-05	2.44E-04	2.15E-05	7.48E-06	4.28E-05	5.11E-06	6.80E-06	2.24E-05	1.55E-06
5659	469756.77	3820082.56	7.83E-05	3.29E-04	2.96E-05	6.52E-05	2.41E-04	2.12E-05	7.39E-06	4.23E-05	5.05E-06	6.72E-06	2.22E-05	1.53E-06
5660	469747.9	3820078.73	7.73E-05	3.25E-04	2.92E-05	6.44E-05	2.38E-04	2.10E-05	7.30E-06	4.18E-05	4.99E-06	6.63E-06	2.19E-05	1.51E-06
5661	469739.03	3820074.89	7.63E-05	3.21E-04	2.89E-05	6.36E-05	2.36E-04	2.07E-05	7.21E-06	4.13E-05	4.92E-06	6.55E-06	2.16E-05	1.49E-06
5662	469730.16	3820071.06	7.54E-05	3.17E-04	2.85E-05	6.28E-05	2.33E-04	2.05E-05	7.12E-06	4.07E-05	4.86E-06	6.47E-06	2.13E-05	1.47E-06
5663	469721.28	3820067.22	7.44E-05	3.13E-04	2.81E-05	6.20E-05	2.30E-04	2.02E-05	7.03E-06	4.02E-05	4.80E-06	6.39E-06	2.11E-05	1.45E-06
5664	469712.41	3820063.38	7.35E-05	3.09E-04	2.78E-05	6.12E-05	2.27E-04	1.99E-05	6.94E-06	3.97E-05	4.74E-06	6.31E-06	2.08E-05	1.43E-06
5665	469588.23	3820009.68	6.00E-05	2.52E-04	2.27E-05	5.00E-05	1.85E-04	1.63E-05	5.67E-06	3.24E-05	3.87E-06	5.15E-06	1.70E-05	1.17E-06
5666	469579.36	3820005.85	5.90E-05	2.48E-04	2.23E-05	4.91E-05	1.82E-04	1.60E-05	5.57E-06	3.19E-05	3.81E-06	5.06E-06	1.67E-05	1.15E-06

5667	469570.49	3820002.01	5.80E-05	2.43E-04	2.19E-05	4.83E-05	1.79E-04	1.57E-05	5.47E-06	3.13E-05	3.74E-06	4.98E-06	1.64E-05	1.13E-06
5668	469561.62	3819998.18	5.69E-05	2.39E-04	2.15E-05	4.74E-05	1.76E-04	1.55E-05	5.38E-06	3.08E-05	3.67E-06	4.89E-06	1.61E-05	1.11E-06
5669	469552.75	3819994.34	5.59E-05	2.35E-04	2.11E-05	4.66E-05	1.73E-04	1.52E-05	5.28E-06	3.02E-05	3.61E-06	4.80E-06	1.58E-05	1.09E-06
5670	469540.34	3819981.51	5.46E-05	2.29E-04	2.07E-05	4.55E-05	1.69E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
5671	469536.81	3819972.51	5.43E-05	2.28E-04	2.05E-05	4.53E-05	1.68E-04	1.47E-05	5.13E-06	2.94E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
5672	469533.28	3819963.52	5.40E-05	2.27E-04	2.04E-05	4.50E-05	1.67E-04	1.47E-05	5.10E-06	2.92E-05	3.48E-06	4.64E-06	1.53E-05	1.05E-06
5673	469529.75	3819954.52	5.37E-05	2.25E-04	2.03E-05	4.47E-05	1.66E-04	1.46E-05	5.07E-06	2.90E-05	3.46E-06	4.61E-06	1.52E-05	1.05E-06
5674	469526.21	3819945.53	5.33E-05	2.24E-04	2.01E-05	4.44E-05	1.64E-04	1.45E-05	5.03E-06	2.88E-05	3.43E-06	4.57E-06	1.51E-05	1.04E-06
5675	469522.68	3819936.53	5.28E-05	2.22E-04	2.00E-05	4.40E-05	1.63E-04	1.43E-05	4.99E-06	2.86E-05	3.41E-06	4.53E-06	1.50E-05	1.03E-06
5676	469519.15	3819927.54	5.23E-05	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.94E-06	2.83E-05	3.38E-06	4.49E-06	1.48E-05	1.02E-06
5677	469515.62	3819918.54	5.18E-05	2.18E-04	1.96E-05	4.32E-05	1.60E-04	1.41E-05	4.89E-06	2.80E-05	3.34E-06	4.45E-06	1.47E-05	1.01E-06
5678	469512.08	3819909.55	5.13E-05	2.15E-04	1.94E-05	4.27E-05	1.58E-04	1.39E-05	4.84E-06	2.77E-05	3.31E-06	4.40E-06	1.45E-05	1.00E-06
5679	469508.55	3819900.55	5.07E-05	2.13E-04	1.92E-05	4.22E-05	1.56E-04	1.38E-05	4.79E-06	2.74E-05	3.27E-06	4.35E-06	1.44E-05	9.89E-07
5680	469505.02	3819891.55	5.01E-05	2.10E-04	1.89E-05	4.17E-05	1.55E-04	1.36E-05	4.73E-06	2.71E-05	3.23E-06	4.30E-06	1.42E-05	9.77E-07
5681	469501.49	3819882.56	4.94E-05	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.67E-05	3.19E-06	4.24E-06	1.40E-05	9.65E-07
5682	469497.95	3819873.56	4.87E-05	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.60E-06	2.63E-05	3.14E-06	4.18E-06	1.38E-05	9.51E-07
5683	469494.42	3819864.57	4.80E-05	2.02E-04	1.82E-05	4.00E-05	1.48E-04	1.30E-05	4.53E-06	2.60E-05	3.10E-06	4.12E-06	1.36E-05	9.37E-07
5684	469490.89	3819855.57	4.73E-05	1.98E-04	1.79E-05	3.94E-05	1.46E-04	1.28E-05	4.46E-06	2.55E-05	3.05E-06	4.06E-06	1.34E-05	9.22E-07
5685	469487.36	3819846.58	4.65E-05	1.95E-04	1.76E-05	3.87E-05	1.43E-04	1.26E-05	4.39E-06	2.51E-05	3.00E-06	3.99E-06	1.32E-05	9.07E-07
5686	469444.96	3819738.63	3.52E-05	1.48E-04	1.33E-05	2.93E-05	1.09E-04	9.56E-06	3.33E-06	1.90E-05	2.27E-06	3.02E-06	9.97E-06	6.87E-07
5687	469441.43	3819729.64	3.42E-05	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.29E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.69E-06	6.68E-07
5688	469437.9	3819720.64	3.32E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.02E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
5689	469434.37	3819711.64	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.94E-05	8.75E-06	3.04E-06	1.74E-05	2.08E-06	2.77E-06	9.12E-06	6.29E-07
5690	469430.83	3819702.65	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.63E-05	8.47E-06	2.95E-06	1.69E-05	2.01E-06	2.68E-06	8.84E-06	6.09E-07
5691	469427.3	3819693.65	3.02E-05	1.27E-04	1.14E-05	2.52E-05	9.32E-05	8.20E-06	2.85E-06	1.63E-05	1.95E-06	2.59E-06	8.55E-06	5.89E-07
5692	469423.77	3819684.66	2.92E-05	1.23E-04	1.10E-05	2.43E-05	9.01E-05	7.92E-06	2.76E-06	1.58E-05	1.88E-06	2.51E-06	8.26E-06	5.70E-07
5693	469420.24	3819675.66	2.82E-05	1.18E-04	1.07E-05	2.35E-05	8.70E-05	7.65E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
5694	469416.7	3819666.67	2.72E-05	1.14E-04	1.03E-05	2.27E-05	8.40E-05	7.39E-06	2.57E-06	1.47E-05	1.76E-06	2.34E-06	7.71E-06	5.31E-07
5695	469413.17	3819657.67	2.63E-05	1.10E-04	9.95E-06	2.19E-05	8.12E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.13E-07
5696	469409.64	3819648.68	2.54E-05	1.07E-04	9.60E-06	2.12E-05	7.84E-05	6.89E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.19E-06	4.96E-07
5697	469406.11	3819639.68	2.45E-05	1.03E-04	9.27E-06	2.04E-05	7.56E-05	6.65E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.94E-06	4.78E-07
5698	469402.57	3819630.69	2.36E-05	9.92E-05	8.94E-06	1.97E-05	7.29E-05	6.41E-06	2.23E-06	1.28E-05	1.52E-06	2.03E-06	6.69E-06	4.61E-07
5699	469399.04	3819621.69	2.28E-05	9.57E-05	8.62E-06	1.90E-05	7.03E-05	6.18E-06	2.15E-06	1.23E-05	1.47E-06	1.96E-06	6.45E-06	4.45E-07
5700	469395.51	3819612.69	2.20E-05	9.22E-05	8.30E-06	1.83E-05	6.77E-05	5.96E-06	2.07E-06	1.19E-05	1.42E-06	1.88E-06	6.21E-06	4.28E-07
5701	469391.98	3819603.7	2.11E-05	8.87E-05	7.99E-06	1.76E-05	6.52E-05	5.74E-06	2.00E-06	1.14E-05	1.36E-06	1.81E-06	5.98E-06	4.12E-07
5702	469388.44	3819594.7	2.03E-05	8.54E-05	7.69E-06	1.69E-05	6.27E-05	5.52E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.75E-06	3.97E-07
5703	469384.91	3819585.71	1.96E-05	8.21E-05	7.40E-06	1.63E-05	6.04E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.54E-06	3.82E-07
5704	469381.38	3819576.71	1.88E-05	7.91E-05	7.13E-06	1.57E-05	5.81E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.33E-06	3.68E-07
5705	469377.85	3819567.72	1.82E-05	7.62E-05	6.87E-06	1.51E-05	5.60E-05	4.93E-06	1.71E-06	9.81E-06	1.17E-06	1.56E-06	5.14E-06	3.54E-07
5706	469374.31	3819558.72	1.75E-05	7.35E-05	6.62E-06	1.46E-05	5.40E-05	4.75E-06	1.65E-06	9.46E-06	1.13E-06	1.50E-06	4.95E-06	3.41E-07
5707	469370.78	3819549.73	1.69E-05	7.08E-05	6.37E-06	1.40E-05	5.20E-05	4.58E-06	1.59E-06	9.11E-06	1.09E-06	1.45E-06	4.77E-06	3.29E-07
5708	469367.25	3819540.73	1.62E-05	6.82E-05	6.14E-06	1.35E-05	5.01E-05	4.41E-06	1.53E-06	8.78E-06	1.05E-06	1.39E-06	4.60E-06	3.17E-07

5709	469363.71	3819531.74	1.57E-05	6.58E-05	5.93E-06	1.31E-05	4.83E-05	4.25E-06	1.48E-06	8.47E-06	1.01E-06	1.35E-06	4.44E-06	3.06E-07
5710	469360.18	3819522.74	1.51E-05	6.35E-05	5.72E-06	1.26E-05	4.66E-05	4.10E-06	1.43E-06	8.17E-06	9.75E-07	1.30E-06	4.28E-06	2.95E-07
5711	469356.65	3819513.74	1.46E-05	6.13E-05	5.52E-06	1.21E-05	4.50E-05	3.96E-06	1.38E-06	7.89E-06	9.41E-07	1.25E-06	4.13E-06	2.85E-07
5712	469353.12	3819504.75	1.41E-05	5.91E-05	5.33E-06	1.17E-05	4.35E-05	3.82E-06	1.33E-06	7.61E-06	9.08E-07	1.21E-06	3.99E-06	2.75E-07
5713	469349.58	3819495.75	1.36E-05	5.71E-05	5.15E-06	1.13E-05	4.20E-05	3.69E-06	1.28E-06	7.35E-06	8.77E-07	1.17E-06	3.85E-06	2.65E-07
5714	469346.05	3819486.76	1.31E-05	5.52E-05	4.97E-06	1.10E-05	4.06E-05	3.57E-06	1.24E-06	7.11E-06	8.48E-07	1.13E-06	3.72E-06	2.57E-07
5715	469342.52	3819477.76	1.27E-05	5.34E-05	4.81E-06	1.06E-05	3.92E-05	3.45E-06	1.20E-06	6.87E-06	8.20E-07	1.09E-06	3.60E-06	2.48E-07
5716	469338.99	3819468.77	1.23E-05	5.17E-05	4.65E-06	1.02E-05	3.80E-05	3.34E-06	1.16E-06	6.65E-06	7.94E-07	1.06E-06	3.48E-06	2.40E-07
5717	469335.45	3819459.77	1.19E-05	5.00E-05	4.50E-06	9.92E-06	3.67E-05	3.23E-06	1.12E-06	6.44E-06	7.68E-07	1.02E-06	3.37E-06	2.32E-07
5718	469331.92	3819450.78	1.15E-05	4.84E-05	4.36E-06	9.59E-06	3.55E-05	3.13E-06	1.09E-06	6.23E-06	7.43E-07	9.89E-07	3.26E-06	2.25E-07
5719	469328.39	3819441.78	1.12E-05	4.68E-05	4.22E-06	9.29E-06	3.44E-05	3.03E-06	1.05E-06	6.03E-06	7.19E-07	9.57E-07	3.16E-06	2.18E-07
5720	470093.84	3820228.32	9.32E-05	3.91E-04	3.52E-05	7.76E-05	2.88E-04	2.53E-05	8.80E-06	5.04E-05	6.01E-06	8.00E-06	2.64E-05	1.82E-06
5721	470103.54	3820228.46	9.29E-05	3.90E-04	3.51E-05	7.73E-05	2.87E-04	2.52E-05	8.77E-06	5.02E-05	5.99E-06	7.97E-06	2.63E-05	1.81E-06
5722	470113.24	3820228.59	9.25E-05	3.88E-04	3.50E-05	7.70E-05	2.85E-04	2.51E-05	8.73E-06	5.00E-05	5.96E-06	7.94E-06	2.62E-05	1.80E-06
5723	470122.93	3820228.73	9.20E-05	3.86E-04	3.48E-05	7.66E-05	2.84E-04	2.50E-05	8.69E-06	4.97E-05	5.93E-06	7.90E-06	2.60E-05	1.80E-06
5724	470132.63	3820228.86	9.15E-05	3.84E-04	3.46E-05	7.62E-05	2.82E-04	2.48E-05	8.64E-06	4.94E-05	5.90E-06	7.85E-06	2.59E-05	1.78E-06
5725	470142.33	3820229	9.08E-05	3.81E-04	3.44E-05	7.57E-05	2.80E-04	2.47E-05	8.58E-06	4.91E-05	5.86E-06	7.80E-06	2.57E-05	1.77E-06
5726	470152.03	3820229.13	9.01E-05	3.79E-04	3.41E-05	7.51E-05	2.78E-04	2.45E-05	8.51E-06	4.87E-05	5.81E-06	7.74E-06	2.55E-05	1.76E-06
5727	470161.72	3820229.27	8.94E-05	3.75E-04	3.38E-05	7.45E-05	2.76E-04	2.43E-05	8.44E-06	4.83E-05	5.77E-06	7.67E-06	2.53E-05	1.74E-06
5728	470171.42	3820229.4	8.86E-05	3.72E-04	3.35E-05	7.38E-05	2.73E-04	2.40E-05	8.37E-06	4.79E-05	5.71E-06	7.61E-06	2.51E-05	1.73E-06
5729	470181.12	3820229.54	8.77E-05	3.69E-04	3.32E-05	7.31E-05	2.71E-04	2.38E-05	8.29E-06	4.74E-05	5.66E-06	7.53E-06	2.48E-05	1.71E-06
5730	470190.81	3820229.67	8.69E-05	3.65E-04	3.29E-05	7.24E-05	2.68E-04	2.36E-05	8.20E-06	4.70E-05	5.60E-06	7.46E-06	2.46E-05	1.69E-06
5731	470200.51	3820229.81	8.60E-05	3.61E-04	3.25E-05	7.16E-05	2.65E-04	2.33E-05	8.12E-06	4.65E-05	5.54E-06	7.38E-06	2.43E-05	1.68E-06
5732	470210.21	3820229.94	8.50E-05	3.57E-04	3.22E-05	7.08E-05	2.62E-04	2.31E-05	8.03E-06	4.60E-05	5.48E-06	7.30E-06	2.41E-05	1.66E-06
5733	470219.91	3820230.08	8.41E-05	3.53E-04	3.18E-05	7.00E-05	2.59E-04	2.28E-05	7.94E-06	4.54E-05	5.42E-06	7.22E-06	2.38E-05	1.64E-06
5734	470229.6	3820230.21	8.31E-05	3.49E-04	3.14E-05	6.92E-05	2.56E-04	2.26E-05	7.85E-06	4.49E-05	5.36E-06	7.13E-06	2.35E-05	1.62E-06
5735	470239.3	3820230.35	8.22E-05	3.45E-04	3.11E-05	6.84E-05	2.54E-04	2.23E-05	7.76E-06	4.44E-05	5.30E-06	7.05E-06	2.33E-05	1.60E-06
5736	470249	3820230.48	8.12E-05	3.41E-04	3.07E-05	6.76E-05	2.51E-04	2.20E-05	7.67E-06	4.39E-05	5.24E-06	6.97E-06	2.30E-05	1.58E-06
5737	470258.7	3820230.62	8.02E-05	3.37E-04	3.03E-05	6.68E-05	2.48E-04	2.18E-05	7.58E-06	4.34E-05	5.18E-06	6.89E-06	2.27E-05	1.57E-06
5738	470268.39	3820230.75	7.93E-05	3.33E-04	3.00E-05	6.61E-05	2.45E-04	2.15E-05	7.49E-06	4.29E-05	5.11E-06	6.81E-06	2.24E-05	1.55E-06
5739	470083.94	3820304.52	8.04E-05	3.38E-04	3.04E-05	6.70E-05	2.48E-04	2.18E-05	7.59E-06	4.35E-05	5.19E-06	6.90E-06	2.28E-05	1.57E-06
5740	470075.15	3820300.72	8.11E-05	3.41E-04	3.07E-05	6.76E-05	2.50E-04	2.20E-05	7.66E-06	4.39E-05	5.23E-06	6.97E-06	2.30E-05	1.58E-06
5741	470066.36	3820296.92	8.18E-05	3.44E-04	3.09E-05	6.82E-05	2.52E-04	2.22E-05	7.73E-06	4.42E-05	5.28E-06	7.02E-06	2.32E-05	1.60E-06
5742	470057.58	3820293.12	8.24E-05	3.46E-04	3.12E-05	6.87E-05	2.54E-04	2.24E-05	7.79E-06	4.46E-05	5.32E-06	7.08E-06	2.33E-05	1.61E-06
5743	470048.79	3820289.32	8.30E-05	3.49E-04	3.14E-05	6.91E-05	2.56E-04	2.25E-05	7.84E-06	4.49E-05	5.35E-06	7.13E-06	2.35E-05	1.62E-06
5744	470040	3820285.52	8.35E-05	3.51E-04	3.16E-05	6.96E-05	2.58E-04	2.27E-05	7.89E-06	4.51E-05	5.39E-06	7.17E-06	2.36E-05	1.63E-06
5745	470031.21	3820281.72	8.39E-05	3.52E-04	3.17E-05	6.99E-05	2.59E-04	2.28E-05	7.93E-06	4.54E-05	5.41E-06	7.21E-06	2.38E-05	1.64E-06
5746	470022.42	3820277.92	8.43E-05	3.54E-04	3.19E-05	7.02E-05	2.60E-04	2.29E-05	7.96E-06	4.56E-05	5.44E-06	7.24E-06	2.39E-05	1.64E-06
5747	470013.64	3820274.12	8.46E-05	3.55E-04	3.20E-05	7.04E-05	2.61E-04	2.30E-05	7.99E-06	4.57E-05	5.46E-06	7.26E-06	2.39E-05	1.65E-06
5748	470004.85	3820270.31	8.48E-05	3.56E-04	3.21E-05	7.07E-05	2.62E-04	2.30E-05	8.01E-06	4.59E-05	5.47E-06	7.28E-06	2.40E-05	1.66E-06
5749	469996.06	3820266.51	8.50E-05	3.57E-04	3.21E-05	7.08E-05	2.62E-04	2.31E-05	8.03E-06	4.59E-05	5.48E-06	7.30E-06	2.41E-05	1.66E-06
5750	469952.12	3820247.51	8.47E-05	3.56E-04	3.20E-05	7.05E-05	2.61E-04	2.30E-05	8.00E-06	4.58E-05	5.46E-06	7.27E-06	2.40E-05	1.65E-06

5751	469943.33	3820243.71	8.44E-05	3.54E-04	3.19E-05	7.03E-05	2.60E-04	2.29E-05	7.97E-06	4.56E-05	5.44E-06	7.25E-06	2.39E-05	1.65E-06
5752	469934.54	3820239.91	8.41E-05	3.53E-04	3.18E-05	7.00E-05	2.60E-04	2.28E-05	7.94E-06	4.55E-05	5.42E-06	7.22E-06	2.38E-05	1.64E-06
5753	469925.76	3820236.11	8.37E-05	3.52E-04	3.17E-05	6.97E-05	2.58E-04	2.27E-05	7.91E-06	4.53E-05	5.40E-06	7.19E-06	2.37E-05	1.63E-06
5754	469916.97	3820232.31	8.33E-05	3.50E-04	3.15E-05	6.94E-05	2.57E-04	2.26E-05	7.86E-06	4.50E-05	5.37E-06	7.15E-06	2.36E-05	1.63E-06
5755	469908.18	3820228.51	8.28E-05	3.48E-04	3.13E-05	6.90E-05	2.55E-04	2.25E-05	7.82E-06	4.48E-05	5.34E-06	7.11E-06	2.34E-05	1.62E-06
5756	469899.39	3820224.71	8.22E-05	3.45E-04	3.11E-05	6.85E-05	2.54E-04	2.23E-05	7.77E-06	4.45E-05	5.30E-06	7.06E-06	2.33E-05	1.60E-06
5757	469890.6	3820220.91	8.17E-05	3.43E-04	3.09E-05	6.80E-05	2.52E-04	2.22E-05	7.71E-06	4.42E-05	5.27E-06	7.01E-06	2.31E-05	1.59E-06
5758	469881.82	3820217.11	8.11E-05	3.40E-04	3.07E-05	6.75E-05	2.50E-04	2.20E-05	7.66E-06	4.38E-05	5.23E-06	6.96E-06	2.29E-05	1.58E-06
5759	469873.03	3820213.31	8.04E-05	3.38E-04	3.04E-05	6.70E-05	2.48E-04	2.18E-05	7.60E-06	4.35E-05	5.19E-06	6.90E-06	2.28E-05	1.57E-06
5760	469864.24	3820209.51	7.97E-05	3.35E-04	3.02E-05	6.64E-05	2.46E-04	2.16E-05	7.53E-06	4.31E-05	5.14E-06	6.85E-06	2.26E-05	1.56E-06
5761	469855.45	3820205.71	7.90E-05	3.32E-04	2.99E-05	6.58E-05	2.44E-04	2.15E-05	7.46E-06	4.27E-05	5.10E-06	6.78E-06	2.24E-05	1.54E-06
5762	469846.66	3820201.91	7.83E-05	3.29E-04	2.96E-05	6.52E-05	2.42E-04	2.13E-05	7.39E-06	4.23E-05	5.05E-06	6.72E-06	2.22E-05	1.53E-06
5763	469837.88	3820198.11	7.75E-05	3.26E-04	2.93E-05	6.46E-05	2.39E-04	2.10E-05	7.32E-06	4.19E-05	5.00E-06	6.66E-06	2.19E-05	1.51E-06
5764	469829.09	3820194.31	7.68E-05	3.22E-04	2.90E-05	6.39E-05	2.37E-04	2.08E-05	7.25E-06	4.15E-05	4.95E-06	6.59E-06	2.17E-05	1.50E-06
5765	469820.3	3820190.51	7.60E-05	3.19E-04	2.87E-05	6.33E-05	2.34E-04	2.06E-05	7.17E-06	4.11E-05	4.90E-06	6.52E-06	2.15E-05	1.48E-06
5766	469811.51	3820186.71	7.52E-05	3.16E-04	2.84E-05	6.26E-05	2.32E-04	2.04E-05	7.10E-06	4.06E-05	4.85E-06	6.45E-06	2.13E-05	1.47E-06
5767	469802.72	3820182.91	7.44E-05	3.12E-04	2.81E-05	6.19E-05	2.29E-04	2.02E-05	7.02E-06	4.02E-05	4.80E-06	6.38E-06	2.11E-05	1.45E-06
5768	469793.94	3820179.11	7.36E-05	3.09E-04	2.78E-05	6.13E-05	2.27E-04	2.00E-05	6.95E-06	3.98E-05	4.75E-06	6.32E-06	2.08E-05	1.44E-06
5769	469785.15	3820175.31	7.28E-05	3.06E-04	2.75E-05	6.06E-05	2.25E-04	1.98E-05	6.87E-06	3.93E-05	4.69E-06	6.25E-06	2.06E-05	1.42E-06
5770	469776.36	3820171.51	7.20E-05	3.02E-04	2.72E-05	5.99E-05	2.22E-04	1.95E-05	6.80E-06	3.89E-05	4.64E-06	6.18E-06	2.04E-05	1.40E-06
5771	469767.57	3820167.71	7.12E-05	2.99E-04	2.69E-05	5.93E-05	2.20E-04	1.93E-05	6.72E-06	3.85E-05	4.59E-06	6.11E-06	2.01E-05	1.39E-06
5772	469758.78	3820163.91	7.04E-05	2.96E-04	2.66E-05	5.86E-05	2.17E-04	1.91E-05	6.65E-06	3.80E-05	4.54E-06	6.04E-06	1.99E-05	1.37E-06
5773	469750	3820160.11	6.96E-05	2.92E-04	2.63E-05	5.80E-05	2.15E-04	1.89E-05	6.57E-06	3.76E-05	4.49E-06	5.97E-06	1.97E-05	1.36E-06
5774	469741.21	3820156.31	6.88E-05	2.89E-04	2.60E-05	5.73E-05	2.12E-04	1.87E-05	6.50E-06	3.72E-05	4.44E-06	5.91E-06	1.95E-05	1.34E-06
5775	469732.42	3820152.51	6.80E-05	2.86E-04	2.57E-05	5.67E-05	2.10E-04	1.85E-05	6.42E-06	3.68E-05	4.39E-06	5.84E-06	1.93E-05	1.33E-06
5776	469723.63	3820148.71	6.73E-05	2.83E-04	2.54E-05	5.60E-05	2.08E-04	1.83E-05	6.35E-06	3.64E-05	4.34E-06	5.78E-06	1.90E-05	1.31E-06
5777	469714.84	3820144.91	6.65E-05	2.79E-04	2.52E-05	5.54E-05	2.05E-04	1.81E-05	6.28E-06	3.60E-05	4.29E-06	5.71E-06	1.88E-05	1.30E-06
5778	469706.06	3820141.11	6.58E-05	2.76E-04	2.49E-05	5.48E-05	2.03E-04	1.79E-05	6.21E-06	3.55E-05	4.24E-06	5.65E-06	1.86E-05	1.28E-06
5779	469521.51	3820061.31	5.03E-05	2.11E-04	1.90E-05	4.19E-05	1.55E-04	1.36E-05	4.75E-06	2.72E-05	3.24E-06	4.32E-06	1.42E-05	9.81E-07
5780	469512.72	3820057.51	4.95E-05	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.67E-05	3.19E-06	4.25E-06	1.40E-05	9.65E-07
5781	469503.93	3820053.71	4.87E-05	2.04E-04	1.84E-05	4.05E-05	1.50E-04	1.32E-05	4.60E-06	2.63E-05	3.14E-06	4.18E-06	1.38E-05	9.50E-07
5782	469495.14	3820049.91	4.79E-05	2.01E-04	1.81E-05	3.99E-05	1.48E-04	1.30E-05	4.52E-06	2.59E-05	3.09E-06	4.11E-06	1.35E-05	9.34E-07
5783	469482.86	3820037.19	4.69E-05	1.97E-04	1.77E-05	3.90E-05	1.45E-04	1.27E-05	4.42E-06	2.53E-05	3.02E-06	4.02E-06	1.33E-05	9.14E-07
5784	469472.36	3820010.46	4.61E-05	1.94E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.96E-06	1.30E-05	9.00E-07
5785	469468.86	3820001.55	4.58E-05	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.32E-06	2.48E-05	2.95E-06	3.93E-06	1.30E-05	8.93E-07
5786	469465.36	3819992.63	4.55E-05	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.23E-05	4.29E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.87E-07
5787	469461.86	3819983.72	4.51E-05	1.89E-04	1.71E-05	3.76E-05	1.39E-04	1.22E-05	4.26E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.80E-07
5788	469458.36	3819974.81	4.47E-05	1.88E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.22E-06	2.42E-05	2.88E-06	3.84E-06	1.27E-05	8.72E-07
5789	469454.86	3819965.9	4.43E-05	1.86E-04	1.67E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.39E-05	2.86E-06	3.80E-06	1.25E-05	8.64E-07
5790	469398.86	3819823.31	3.43E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.32E-06	3.24E-06	1.86E-05	2.21E-06	2.95E-06	9.71E-06	6.70E-07
5791	469395.36	3819814.4	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.04E-04	9.11E-06	3.17E-06	1.81E-05	2.16E-06	2.88E-06	9.50E-06	6.55E-07
5792	469391.86	3819805.48	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.89E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.27E-06	6.39E-07

5793	469388.36	3819796.57	3.19E-05	1.34E-04	1.21E-05	2.66E-05	9.86E-05	8.67E-06	3.02E-06	1.73E-05	2.06E-06	2.74E-06	9.04E-06	6.23E-07
5794	469384.86	3819787.66	3.12E-05	1.31E-04	1.18E-05	2.59E-05	9.61E-05	8.46E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.82E-06	6.08E-07
5795	469381.36	3819778.75	3.04E-05	1.28E-04	1.15E-05	2.53E-05	9.37E-05	8.24E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.59E-06	5.92E-07
5796	469377.86	3819769.84	2.96E-05	1.24E-04	1.12E-05	2.46E-05	9.12E-05	8.02E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.37E-06	5.77E-07
5797	469374.36	3819760.92	2.88E-05	1.21E-04	1.09E-05	2.39E-05	8.87E-05	7.81E-06	2.72E-06	1.55E-05	1.85E-06	2.47E-06	8.14E-06	5.61E-07
5798	469370.86	3819752.01	2.80E-05	1.17E-04	1.06E-05	2.33E-05	8.63E-05	7.59E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.91E-06	5.46E-07
5799	469367.36	3819743.1	2.72E-05	1.14E-04	1.03E-05	2.26E-05	8.38E-05	7.38E-06	2.57E-06	1.47E-05	1.75E-06	2.33E-06	7.69E-06	5.30E-07
5800	469363.86	3819734.19	2.64E-05	1.11E-04	9.98E-06	2.20E-05	8.14E-05	7.16E-06	2.49E-06	1.43E-05	1.70E-06	2.26E-06	7.47E-06	5.15E-07
5801	469360.36	3819725.28	2.56E-05	1.08E-04	9.68E-06	2.13E-05	7.90E-05	6.95E-06	2.42E-06	1.38E-05	1.65E-06	2.20E-06	7.25E-06	5.00E-07
5802	469356.86	3819716.36	2.48E-05	1.04E-04	9.39E-06	2.07E-05	7.66E-05	6.74E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.03E-06	4.84E-07
5803	469353.37	3819707.45	2.41E-05	1.01E-04	9.10E-06	2.00E-05	7.43E-05	6.53E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.81E-06	4.70E-07
5804	469349.87	3819698.54	2.33E-05	9.78E-05	8.81E-06	1.94E-05	7.19E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.55E-07
5805	469346.37	3819689.63	2.25E-05	9.46E-05	8.52E-06	1.88E-05	6.95E-05	6.12E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.38E-06	4.40E-07
5806	469342.87	3819680.72	2.18E-05	9.15E-05	8.24E-06	1.81E-05	6.72E-05	5.91E-06	2.06E-06	1.18E-05	1.40E-06	1.87E-06	6.16E-06	4.25E-07
5807	469339.37	3819671.81	2.11E-05	8.84E-05	7.96E-06	1.75E-05	6.50E-05	5.71E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.96E-06	4.11E-07
5808	469335.87	3819662.89	2.04E-05	8.55E-05	7.70E-06	1.70E-05	6.28E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.76E-06	3.97E-07
5809	469332.37	3819653.98	1.97E-05	8.26E-05	7.44E-06	1.64E-05	6.07E-05	5.34E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.57E-06	3.84E-07
5810	469328.87	3819645.07	1.90E-05	7.99E-05	7.19E-06	1.58E-05	5.87E-05	5.16E-06	1.80E-06	1.03E-05	1.23E-06	1.63E-06	5.38E-06	3.71E-07
5811	469325.37	3819636.16	1.84E-05	7.72E-05	6.95E-06	1.53E-05	5.67E-05	4.99E-06	1.74E-06	9.93E-06	1.19E-06	1.58E-06	5.20E-06	3.59E-07
5812	469321.87	3819627.25	1.78E-05	7.45E-05	6.71E-06	1.48E-05	5.48E-05	4.82E-06	1.68E-06	9.60E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
5813	469318.37	3819618.33	1.72E-05	7.20E-05	6.49E-06	1.43E-05	5.29E-05	4.66E-06	1.62E-06	9.27E-06	1.11E-06	1.47E-06	4.85E-06	3.35E-07
5814	469314.87	3819609.42	1.65E-05	6.95E-05	6.26E-06	1.38E-05	5.11E-05	4.49E-06	1.56E-06	8.95E-06	1.07E-06	1.42E-06	4.68E-06	3.23E-07
5815	469311.37	3819600.51	1.60E-05	6.71E-05	6.04E-06	1.33E-05	4.93E-05	4.33E-06	1.51E-06	8.63E-06	1.03E-06	1.37E-06	4.52E-06	3.12E-07
5816	469307.87	3819591.6	1.54E-05	6.47E-05	5.83E-06	1.28E-05	4.75E-05	4.18E-06	1.45E-06	8.33E-06	9.94E-07	1.32E-06	4.36E-06	3.01E-07
5817	469304.37	3819582.69	1.49E-05	6.24E-05	5.62E-06	1.24E-05	4.59E-05	4.04E-06	1.40E-06	8.04E-06	9.59E-07	1.28E-06	4.21E-06	2.90E-07
5818	469300.87	3819573.77	1.44E-05	6.03E-05	5.43E-06	1.20E-05	4.43E-05	3.90E-06	1.36E-06	7.77E-06	9.27E-07	1.23E-06	4.07E-06	2.80E-07
5819	469297.37	3819564.86	1.39E-05	5.83E-05	5.25E-06	1.16E-05	4.28E-05	3.77E-06	1.31E-06	7.51E-06	8.95E-07	1.19E-06	3.93E-06	2.71E-07
5820	469293.87	3819555.95	1.34E-05	5.64E-05	5.08E-06	1.12E-05	4.14E-05	3.64E-06	1.27E-06	7.26E-06	8.66E-07	1.15E-06	3.80E-06	2.62E-07
5821	469290.37	3819547.04	1.30E-05	5.45E-05	4.91E-06	1.08E-05	4.01E-05	3.52E-06	1.23E-06	7.02E-06	8.37E-07	1.11E-06	3.67E-06	2.53E-07
5822	469286.87	3819538.13	1.26E-05	5.27E-05	4.75E-06	1.05E-05	3.87E-05	3.41E-06	1.19E-06	6.79E-06	8.10E-07	1.08E-06	3.55E-06	2.45E-07
5823	469283.37	3819529.21	1.22E-05	5.10E-05	4.60E-06	1.01E-05	3.75E-05	3.30E-06	1.15E-06	6.57E-06	7.84E-07	1.04E-06	3.44E-06	2.37E-07
5824	469279.87	3819520.3	1.18E-05	4.94E-05	4.45E-06	9.80E-06	3.63E-05	3.19E-06	1.11E-06	6.36E-06	7.59E-07	1.01E-06	3.33E-06	2.30E-07
5825	469276.37	3819511.39	1.14E-05	4.79E-05	4.31E-06	9.50E-06	3.52E-05	3.09E-06	1.08E-06	6.16E-06	7.35E-07	9.79E-07	3.23E-06	2.22E-07
5826	469272.87	3819502.48	1.11E-05	4.64E-05	4.18E-06	9.20E-06	3.41E-05	3.00E-06	1.04E-06	5.97E-06	7.13E-07	9.49E-07	3.13E-06	2.16E-07
5827	469269.37	3819493.57	1.07E-05	4.50E-05	4.05E-06	8.92E-06	3.31E-05	2.91E-06	1.01E-06	5.79E-06	6.91E-07	9.20E-07	3.03E-06	2.09E-07
5828	469265.87	3819484.66	1.04E-05	4.36E-05	3.93E-06	8.65E-06	3.20E-05	2.82E-06	9.80E-07	5.61E-06	6.70E-07	8.91E-07	2.94E-06	2.03E-07
5829	469262.37	3819475.74	1.01E-05	4.23E-05	3.81E-06	8.38E-06	3.11E-05	2.73E-06	9.50E-07	5.44E-06	6.49E-07	8.64E-07	2.85E-06	1.96E-07
5830	469258.87	3819466.83	9.77E-06	4.10E-05	3.69E-06	8.13E-06	3.01E-05	2.65E-06	9.22E-07	5.28E-06	6.30E-07	8.38E-07	2.76E-06	1.91E-07
5831	469255.37	3819457.92	9.49E-06	3.99E-05	3.59E-06	7.91E-06	2.93E-05	2.58E-06	8.96E-07	5.13E-06	6.12E-07	8.15E-07	2.69E-06	1.85E-07
5832	469251.87	3819449.01	9.23E-06	3.87E-05	3.49E-06	7.69E-06	2.85E-05	2.50E-06	8.71E-07	4.99E-06	5.95E-07	7.92E-07	2.61E-06	1.80E-07
5833	469248.37	3819440.1	8.98E-06	3.77E-05	3.40E-06	7.48E-06	2.77E-05	2.44E-06	8.48E-07	4.86E-06	5.79E-07	7.71E-07	2.54E-06	1.75E-07
5834	470092.73	3820308.32	7.96E-05	3.34E-04	3.01E-05	6.63E-05	2.46E-04	2.16E-05	7.52E-06	4.30E-05	5.13E-06	6.83E-06	2.25E-05	1.55E-06

5835	470102.43	3820308.45	7.93E-05	3.33E-04	3.00E-05	6.60E-05	2.45E-04	2.15E-05	7.49E-06	4.29E-05	5.11E-06	6.81E-06	2.24E-05	1.55E-06
5836	470112.12	3820308.59	7.89E-05	3.31E-04	2.98E-05	6.57E-05	2.43E-04	2.14E-05	7.45E-06	4.27E-05	5.09E-06	6.77E-06	2.23E-05	1.54E-06
5837	470121.82	3820308.72	7.85E-05	3.30E-04	2.97E-05	6.54E-05	2.42E-04	2.13E-05	7.41E-06	4.24E-05	5.06E-06	6.74E-06	2.22E-05	1.53E-06
5838	470131.52	3820308.86	7.80E-05	3.28E-04	2.95E-05	6.50E-05	2.41E-04	2.12E-05	7.37E-06	4.22E-05	5.03E-06	6.70E-06	2.21E-05	1.52E-06
5839	470141.21	3820308.99	7.75E-05	3.25E-04	2.93E-05	6.45E-05	2.39E-04	2.10E-05	7.32E-06	4.19E-05	5.00E-06	6.65E-06	2.19E-05	1.51E-06
5840	470150.91	3820309.13	7.69E-05	3.23E-04	2.91E-05	6.40E-05	2.37E-04	2.09E-05	7.26E-06	4.16E-05	4.96E-06	6.60E-06	2.18E-05	1.50E-06
5841	470160.61	3820309.26	7.62E-05	3.20E-04	2.88E-05	6.35E-05	2.35E-04	2.07E-05	7.20E-06	4.12E-05	4.92E-06	6.54E-06	2.16E-05	1.49E-06
5842	470170.31	3820309.4	7.56E-05	3.17E-04	2.86E-05	6.29E-05	2.33E-04	2.05E-05	7.14E-06	4.08E-05	4.87E-06	6.49E-06	2.14E-05	1.47E-06
5843	470180	3820309.53	7.48E-05	3.14E-04	2.83E-05	6.23E-05	2.31E-04	2.03E-05	7.07E-06	4.04E-05	4.83E-06	6.42E-06	2.12E-05	1.46E-06
5844	470189.7	3820309.67	7.41E-05	3.11E-04	2.80E-05	6.17E-05	2.29E-04	2.01E-05	6.99E-06	4.00E-05	4.78E-06	6.36E-06	2.10E-05	1.45E-06
5845	470199.4	3820309.8	7.33E-05	3.08E-04	2.77E-05	6.10E-05	2.26E-04	1.99E-05	6.92E-06	3.96E-05	4.73E-06	6.29E-06	2.07E-05	1.43E-06
5846	470209.1	3820309.94	7.25E-05	3.04E-04	2.74E-05	6.04E-05	2.24E-04	1.97E-05	6.85E-06	3.92E-05	4.68E-06	6.22E-06	2.05E-05	1.41E-06
5847	470218.79	3820310.07	7.17E-05	3.01E-04	2.71E-05	5.97E-05	2.21E-04	1.95E-05	6.77E-06	3.88E-05	4.63E-06	6.16E-06	2.03E-05	1.40E-06
5848	470228.49	3820310.21	7.09E-05	2.98E-04	2.68E-05	5.91E-05	2.19E-04	1.93E-05	6.70E-06	3.83E-05	4.58E-06	6.09E-06	2.01E-05	1.38E-06
5849	470238.19	3820310.34	7.01E-05	2.95E-04	2.65E-05	5.84E-05	2.16E-04	1.90E-05	6.62E-06	3.79E-05	4.52E-06	6.02E-06	1.99E-05	1.37E-06
5850	470247.88	3820310.48	6.94E-05	2.91E-04	2.62E-05	5.78E-05	2.14E-04	1.88E-05	6.55E-06	3.75E-05	4.47E-06	5.95E-06	1.96E-05	1.35E-06
5851	470257.58	3820310.61	6.86E-05	2.88E-04	2.59E-05	5.71E-05	2.12E-04	1.86E-05	6.47E-06	3.71E-05	4.42E-06	5.89E-06	1.94E-05	1.34E-06
5852	470267.28	3820310.75	6.78E-05	2.85E-04	2.56E-05	5.65E-05	2.09E-04	1.84E-05	6.40E-06	3.67E-05	4.37E-06	5.82E-06	1.92E-05	1.32E-06
5853	470082.78	3820384.49	6.94E-05	2.91E-04	2.62E-05	5.78E-05	2.14E-04	1.88E-05	6.55E-06	3.75E-05	4.47E-06	5.95E-06	1.96E-05	1.35E-06
5854	470073.94	3820380.67	7.00E-05	2.94E-04	2.65E-05	5.83E-05	2.16E-04	1.90E-05	6.61E-06	3.79E-05	4.52E-06	6.01E-06	1.98E-05	1.37E-06
5855	470065.1	3820376.84	7.07E-05	2.97E-04	2.67E-05	5.89E-05	2.18E-04	1.92E-05	6.67E-06	3.82E-05	4.56E-06	6.07E-06	2.00E-05	1.38E-06
5856	470056.27	3820373.02	7.12E-05	2.99E-04	2.69E-05	5.93E-05	2.20E-04	1.93E-05	6.73E-06	3.85E-05	4.60E-06	6.12E-06	2.02E-05	1.39E-06
5857	470047.43	3820369.2	7.18E-05	3.01E-04	2.72E-05	5.98E-05	2.22E-04	1.95E-05	6.78E-06	3.88E-05	4.63E-06	6.16E-06	2.03E-05	1.40E-06
5858	470038.59	3820365.38	7.23E-05	3.04E-04	2.73E-05	6.02E-05	2.23E-04	1.96E-05	6.83E-06	3.91E-05	4.66E-06	6.20E-06	2.05E-05	1.41E-06
5859	470029.76	3820361.56	7.27E-05	3.05E-04	2.75E-05	6.06E-05	2.24E-04	1.97E-05	6.87E-06	3.93E-05	4.69E-06	6.24E-06	2.06E-05	1.42E-06
5860	470020.92	3820357.74	7.31E-05	3.07E-04	2.76E-05	6.09E-05	2.26E-04	1.98E-05	6.90E-06	3.95E-05	4.72E-06	6.28E-06	2.07E-05	1.43E-06
5861	470012.08	3820353.92	7.34E-05	3.08E-04	2.78E-05	6.12E-05	2.27E-04	1.99E-05	6.93E-06	3.97E-05	4.74E-06	6.30E-06	2.08E-05	1.43E-06
5862	470003.24	3820350.1	7.37E-05	3.10E-04	2.79E-05	6.14E-05	2.27E-04	2.00E-05	6.96E-06	3.98E-05	4.75E-06	6.33E-06	2.09E-05	1.44E-06
5863	469994.41	3820346.27	7.39E-05	3.10E-04	2.80E-05	6.16E-05	2.28E-04	2.01E-05	6.98E-06	4.00E-05	4.77E-06	6.35E-06	2.09E-05	1.44E-06
5864	469985.57	3820342.45	7.41E-05	3.11E-04	2.80E-05	6.17E-05	2.29E-04	2.01E-05	7.00E-06	4.01E-05	4.78E-06	6.36E-06	2.10E-05	1.45E-06
5865	469976.73	3820338.63	7.42E-05	3.12E-04	2.81E-05	6.18E-05	2.29E-04	2.01E-05	7.01E-06	4.01E-05	4.79E-06	6.37E-06	2.10E-05	1.45E-06
5866	469967.9	3820334.81	7.42E-05	3.12E-04	2.81E-05	6.18E-05	2.29E-04	2.02E-05	7.01E-06	4.01E-05	4.79E-06	6.37E-06	2.10E-05	1.45E-06
5867	469959.06	3820330.99	7.42E-05	3.12E-04	2.81E-05	6.18E-05	2.29E-04	2.02E-05	7.01E-06	4.01E-05	4.79E-06	6.37E-06	2.10E-05	1.45E-06
5868	469950.22	3820327.17	7.42E-05	3.11E-04	2.80E-05	6.18E-05	2.29E-04	2.01E-05	7.00E-06	4.01E-05	4.78E-06	6.37E-06	2.10E-05	1.45E-06
5869	469941.39	3820323.35	7.40E-05	3.11E-04	2.80E-05	6.17E-05	2.28E-04	2.01E-05	6.99E-06	4.00E-05	4.78E-06	6.36E-06	2.10E-05	1.44E-06
5870	469932.55	3820319.52	7.39E-05	3.10E-04	2.79E-05	6.15E-05	2.28E-04	2.01E-05	6.98E-06	3.99E-05	4.76E-06	6.34E-06	2.09E-05	1.44E-06
5871	469923.71	3820315.7	7.36E-05	3.09E-04	2.79E-05	6.13E-05	2.27E-04	2.00E-05	6.95E-06	3.98E-05	4.75E-06	6.32E-06	2.08E-05	1.44E-06
5872	469914.87	3820311.88	7.34E-05	3.08E-04	2.77E-05	6.11E-05	2.26E-04	1.99E-05	6.93E-06	3.97E-05	4.73E-06	6.30E-06	2.08E-05	1.43E-06
5873	469906.04	3820308.06	7.30E-05	3.07E-04	2.76E-05	6.08E-05	2.25E-04	1.98E-05	6.90E-06	3.95E-05	4.71E-06	6.27E-06	2.07E-05	1.43E-06
5874	469853.01	3820285.13	7.03E-05	2.95E-04	2.66E-05	5.85E-05	2.17E-04	1.91E-05	6.64E-06	3.80E-05	4.53E-06	6.03E-06	1.99E-05	1.37E-06
5875	469844.18	3820281.31	6.97E-05	2.93E-04	2.64E-05	5.81E-05	2.15E-04	1.89E-05	6.58E-06	3.77E-05	4.50E-06	5.98E-06	1.97E-05	1.36E-06
5876	469835.34	3820277.49	6.91E-05	2.90E-04	2.61E-05	5.76E-05	2.13E-04	1.88E-05	6.53E-06	3.74E-05	4.46E-06	5.93E-06	1.96E-05	1.35E-06

5877	469826.5	3820273.67	6.85E-05	2.88E-04	2.59E-05	5.71E-05	2.11E-04	1.86E-05	6.47E-06	3.70E-05	4.42E-06	5.88E-06	1.94E-05	1.34E-06
5878	469817.67	3820269.85	6.79E-05	2.85E-04	2.57E-05	5.66E-05	2.10E-04	1.84E-05	6.41E-06	3.67E-05	4.38E-06	5.83E-06	1.92E-05	1.32E-06
5879	469808.83	3820266.02	6.73E-05	2.82E-04	2.54E-05	5.60E-05	2.08E-04	1.83E-05	6.35E-06	3.64E-05	4.34E-06	5.77E-06	1.90E-05	1.31E-06
5880	469799.99	3820262.2	6.66E-05	2.80E-04	2.52E-05	5.55E-05	2.06E-04	1.81E-05	6.29E-06	3.60E-05	4.30E-06	5.72E-06	1.89E-05	1.30E-06
5881	469791.16	3820258.38	6.59E-05	2.77E-04	2.49E-05	5.49E-05	2.04E-04	1.79E-05	6.23E-06	3.57E-05	4.25E-06	5.66E-06	1.87E-05	1.29E-06
5882	469782.32	3820254.56	6.53E-05	2.74E-04	2.47E-05	5.44E-05	2.01E-04	1.77E-05	6.16E-06	3.53E-05	4.21E-06	5.60E-06	1.85E-05	1.27E-06
5883	469773.48	3820250.74	6.46E-05	2.71E-04	2.44E-05	5.38E-05	1.99E-04	1.75E-05	6.10E-06	3.49E-05	4.17E-06	5.55E-06	1.83E-05	1.26E-06
5884	469764.64	3820246.92	6.39E-05	2.69E-04	2.42E-05	5.33E-05	1.97E-04	1.74E-05	6.04E-06	3.46E-05	4.12E-06	5.49E-06	1.81E-05	1.25E-06
5885	469755.81	3820243.1	6.33E-05	2.66E-04	2.39E-05	5.27E-05	1.95E-04	1.72E-05	5.97E-06	3.42E-05	4.08E-06	5.43E-06	1.79E-05	1.23E-06
5886	469746.97	3820239.28	6.26E-05	2.63E-04	2.37E-05	5.21E-05	1.93E-04	1.70E-05	5.91E-06	3.38E-05	4.04E-06	5.37E-06	1.77E-05	1.22E-06
5887	469738.13	3820235.45	6.20E-05	2.60E-04	2.34E-05	5.16E-05	1.91E-04	1.68E-05	5.85E-06	3.35E-05	4.00E-06	5.32E-06	1.75E-05	1.21E-06
5888	469729.3	3820231.63	6.13E-05	2.57E-04	2.32E-05	5.11E-05	1.89E-04	1.66E-05	5.79E-06	3.31E-05	3.95E-06	5.26E-06	1.74E-05	1.20E-06
5889	469720.46	3820227.81	6.07E-05	2.55E-04	2.29E-05	5.05E-05	1.87E-04	1.65E-05	5.73E-06	3.28E-05	3.91E-06	5.21E-06	1.72E-05	1.18E-06
5890	469711.62	3820223.99	6.00E-05	2.52E-04	2.27E-05	5.00E-05	1.85E-04	1.63E-05	5.67E-06	3.24E-05	3.87E-06	5.15E-06	1.70E-05	1.17E-06
5891	469702.78	3820220.17	5.94E-05	2.49E-04	2.25E-05	4.95E-05	1.83E-04	1.61E-05	5.61E-06	3.21E-05	3.83E-06	5.10E-06	1.68E-05	1.16E-06
5892	469667.44	3820204.88	5.69E-05	2.39E-04	2.15E-05	4.74E-05	1.76E-04	1.55E-05	5.38E-06	3.08E-05	3.67E-06	4.89E-06	1.61E-05	1.11E-06
5893	469658.6	3820201.06	5.63E-05	2.37E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.32E-06	3.05E-05	3.63E-06	4.84E-06	1.59E-05	1.10E-06
5894	469649.76	3820197.24	5.58E-05	2.34E-04	2.11E-05	4.64E-05	1.72E-04	1.51E-05	5.27E-06	3.01E-05	3.60E-06	4.79E-06	1.58E-05	1.09E-06
5895	469640.93	3820193.42	5.52E-05	2.32E-04	2.09E-05	4.60E-05	1.70E-04	1.50E-05	5.21E-06	2.98E-05	3.56E-06	4.74E-06	1.56E-05	1.08E-06
5896	469632.09	3820189.6	5.46E-05	2.29E-04	2.06E-05	4.55E-05	1.68E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
5897	469623.25	3820185.78	5.40E-05	2.27E-04	2.04E-05	4.50E-05	1.67E-04	1.47E-05	5.10E-06	2.92E-05	3.48E-06	4.64E-06	1.53E-05	1.05E-06
5898	469614.41	3820181.95	5.35E-05	2.25E-04	2.02E-05	4.45E-05	1.65E-04	1.45E-05	5.05E-06	2.89E-05	3.45E-06	4.59E-06	1.51E-05	1.04E-06
5899	469605.58	3820178.13	5.29E-05	2.22E-04	2.00E-05	4.41E-05	1.63E-04	1.44E-05	5.00E-06	2.86E-05	3.41E-06	4.54E-06	1.50E-05	1.03E-06
5900	469517.21	3820139.92	4.72E-05	1.98E-04	1.78E-05	3.93E-05	1.46E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.05E-06	1.34E-05	9.20E-07
5901	469508.37	3820136.1	4.66E-05	1.96E-04	1.76E-05	3.88E-05	1.44E-04	1.26E-05	4.40E-06	2.52E-05	3.00E-06	4.00E-06	1.32E-05	9.09E-07
5902	469499.53	3820132.28	4.60E-05	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.34E-06	2.48E-05	2.96E-06	3.95E-06	1.30E-05	8.97E-07
5903	469490.7	3820128.46	4.53E-05	1.90E-04	1.72E-05	3.78E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.93E-06	3.89E-06	1.28E-05	8.85E-07
5904	469481.86	3820124.63	4.47E-05	1.88E-04	1.69E-05	3.73E-05	1.38E-04	1.21E-05	4.22E-06	2.42E-05	2.89E-06	3.84E-06	1.27E-05	8.73E-07
5905	469473.02	3820120.81	4.41E-05	1.85E-04	1.67E-05	3.67E-05	1.36E-04	1.20E-05	4.17E-06	2.38E-05	2.84E-06	3.79E-06	1.25E-05	8.61E-07
5906	469464.18	3820116.99	4.35E-05	1.83E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.11E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.48E-07
5907	469455.35	3820113.17	4.28E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.76E-06	3.68E-06	1.21E-05	8.36E-07
5908	469446.51	3820109.35	4.22E-05	1.77E-04	1.60E-05	3.51E-05	1.30E-04	1.15E-05	3.98E-06	2.28E-05	2.72E-06	3.62E-06	1.19E-05	8.23E-07
5909	469437.67	3820105.53	4.15E-05	1.74E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.92E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.11E-07
5910	469425.32	3820092.74	4.07E-05	1.71E-04	1.54E-05	3.39E-05	1.26E-04	1.11E-05	3.85E-06	2.20E-05	2.63E-06	3.50E-06	1.15E-05	7.95E-07
5911	469421.8	3820083.78	4.05E-05	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.91E-07
5912	469418.28	3820074.82	4.03E-05	1.69E-04	1.53E-05	3.36E-05	1.24E-04	1.09E-05	3.81E-06	2.18E-05	2.60E-06	3.46E-06	1.14E-05	7.87E-07
5913	469414.76	3820065.86	4.01E-05	1.68E-04	1.52E-05	3.34E-05	1.24E-04	1.09E-05	3.79E-06	2.17E-05	2.59E-06	3.44E-06	1.14E-05	7.83E-07
5914	469411.24	3820056.9	3.99E-05	1.67E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.78E-07
5915	469407.72	3820047.94	3.96E-05	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.07E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.72E-07
5916	469404.2	3820038.97	3.93E-05	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.67E-07
5917	469319.74	3819823.89	2.69E-05	1.13E-04	1.02E-05	2.24E-05	8.29E-05	7.29E-06	2.54E-06	1.45E-05	1.73E-06	2.31E-06	7.61E-06	5.24E-07
5918	469316.22	3819814.93	2.62E-05	1.10E-04	9.91E-06	2.18E-05	8.09E-05	7.11E-06	2.47E-06	1.42E-05	1.69E-06	2.25E-06	7.42E-06	5.11E-07

5919	469312.7	3819805.97	2.55E-05	1.07E-04	9.66E-06	2.13E-05	7.88E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.23E-06	4.98E-07
5920	469309.18	3819797.01	2.49E-05	1.04E-04	9.41E-06	2.07E-05	7.68E-05	6.75E-06	2.35E-06	1.34E-05	1.60E-06	2.14E-06	7.04E-06	4.85E-07
5921	469305.66	3819788.05	2.42E-05	1.02E-04	9.16E-06	2.02E-05	7.47E-05	6.58E-06	2.29E-06	1.31E-05	1.56E-06	2.08E-06	6.86E-06	4.73E-07
5922	469302.14	3819779.09	2.36E-05	9.90E-05	8.91E-06	1.96E-05	7.27E-05	6.40E-06	2.23E-06	1.27E-05	1.52E-06	2.02E-06	6.67E-06	4.60E-07
5923	469298.62	3819770.12	2.29E-05	9.63E-05	8.67E-06	1.91E-05	7.07E-05	6.22E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.49E-06	4.47E-07
5924	469295.1	3819761.16	2.23E-05	9.36E-05	8.43E-06	1.86E-05	6.88E-05	6.05E-06	2.10E-06	1.20E-05	1.44E-06	1.91E-06	6.31E-06	4.35E-07
5925	469291.58	3819752.2	2.17E-05	9.09E-05	8.19E-06	1.80E-05	6.68E-05	5.88E-06	2.04E-06	1.17E-05	1.40E-06	1.86E-06	6.13E-06	4.22E-07
5926	469288.06	3819743.24	2.10E-05	8.83E-05	7.95E-06	1.75E-05	6.49E-05	5.71E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.95E-06	4.10E-07
5927	469284.54	3819734.28	2.04E-05	8.57E-05	7.72E-06	1.70E-05	6.30E-05	5.54E-06	1.93E-06	1.10E-05	1.32E-06	1.75E-06	5.78E-06	3.98E-07
5928	469281.03	3819725.32	1.98E-05	8.31E-05	7.48E-06	1.65E-05	6.10E-05	5.37E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.60E-06	3.86E-07
5929	469277.51	3819716.35	1.92E-05	8.05E-05	7.25E-06	1.60E-05	5.91E-05	5.20E-06	1.81E-06	1.04E-05	1.24E-06	1.64E-06	5.42E-06	3.74E-07
5930	469273.99	3819707.39	1.86E-05	7.79E-05	7.02E-06	1.55E-05	5.72E-05	5.04E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.25E-06	3.62E-07
5931	469270.47	3819698.43	1.80E-05	7.54E-05	6.79E-06	1.50E-05	5.54E-05	4.88E-06	1.70E-06	9.71E-06	1.16E-06	1.54E-06	5.08E-06	3.51E-07
5932	469266.95	3819689.47	1.74E-05	7.31E-05	6.58E-06	1.45E-05	5.37E-05	4.72E-06	1.64E-06	9.40E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
5933	469263.43	3819680.51	1.68E-05	7.07E-05	6.37E-06	1.40E-05	5.20E-05	4.57E-06	1.59E-06	9.11E-06	1.09E-06	1.45E-06	4.77E-06	3.29E-07
5934	469259.91	3819671.55	1.63E-05	6.85E-05	6.17E-06	1.36E-05	5.03E-05	4.43E-06	1.54E-06	8.82E-06	1.05E-06	1.40E-06	4.62E-06	3.18E-07
5935	469256.39	3819662.59	1.58E-05	6.63E-05	5.97E-06	1.31E-05	4.87E-05	4.28E-06	1.49E-06	8.53E-06	1.02E-06	1.35E-06	4.47E-06	3.08E-07
5936	469252.87	3819653.62	1.53E-05	6.41E-05	5.78E-06	1.27E-05	4.71E-05	4.15E-06	1.44E-06	8.26E-06	9.85E-07	1.31E-06	4.32E-06	2.98E-07
5937	469249.35	3819644.66	1.48E-05	6.21E-05	5.59E-06	1.23E-05	4.56E-05	4.01E-06	1.40E-06	7.99E-06	9.54E-07	1.27E-06	4.18E-06	2.88E-07
5938	469245.83	3819635.7	1.43E-05	6.01E-05	5.41E-06	1.19E-05	4.41E-05	3.88E-06	1.35E-06	7.73E-06	9.22E-07	1.23E-06	4.05E-06	2.79E-07
5939	469242.31	3819626.74	1.38E-05	5.81E-05	5.23E-06	1.15E-05	4.27E-05	3.76E-06	1.31E-06	7.48E-06	8.93E-07	1.19E-06	3.92E-06	2.70E-07
5940	469238.79	3819617.78	1.34E-05	5.62E-05	5.07E-06	1.12E-05	4.13E-05	3.64E-06	1.26E-06	7.24E-06	8.64E-07	1.15E-06	3.79E-06	2.61E-07
5941	469235.27	3819608.82	1.30E-05	5.44E-05	4.90E-06	1.08E-05	4.00E-05	3.52E-06	1.22E-06	7.00E-06	8.35E-07	1.11E-06	3.67E-06	2.53E-07
5942	469231.76	3819599.85	1.25E-05	5.26E-05	4.74E-06	1.04E-05	3.86E-05	3.40E-06	1.18E-06	6.77E-06	8.08E-07	1.07E-06	3.54E-06	2.44E-07
5943	469228.24	3819590.89	1.21E-05	5.08E-05	4.58E-06	1.01E-05	3.74E-05	3.29E-06	1.14E-06	6.55E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
5944	469224.72	3819581.93	1.17E-05	4.92E-05	4.43E-06	9.76E-06	3.62E-05	3.18E-06	1.11E-06	6.34E-06	7.56E-07	1.01E-06	3.32E-06	2.29E-07
5945	469221.2	3819572.97	1.13E-05	4.77E-05	4.29E-06	9.45E-06	3.50E-05	3.08E-06	1.07E-06	6.13E-06	7.32E-07	9.74E-07	3.21E-06	2.21E-07
5946	469217.68	3819564.01	1.10E-05	4.62E-05	4.16E-06	9.16E-06	3.39E-05	2.99E-06	1.04E-06	5.94E-06	7.09E-07	9.44E-07	3.11E-06	2.15E-07
5947	469214.16	3819555.05	1.07E-05	4.48E-05	4.03E-06	8.88E-06	3.29E-05	2.89E-06	1.01E-06	5.76E-06	6.88E-07	9.15E-07	3.02E-06	2.08E-07
5948	469210.64	3819546.08	1.03E-05	4.34E-05	3.91E-06	8.61E-06	3.19E-05	2.81E-06	9.76E-07	5.59E-06	6.67E-07	8.87E-07	2.93E-06	2.02E-07
5949	469207.12	3819537.12	1.00E-05	4.21E-05	3.79E-06	8.35E-06	3.09E-05	2.72E-06	9.47E-07	5.42E-06	6.47E-07	8.61E-07	2.84E-06	1.96E-07
5950	469203.6	3819528.16	9.73E-06	4.09E-05	3.68E-06	8.11E-06	3.00E-05	2.64E-06	9.19E-07	5.26E-06	6.28E-07	8.35E-07	2.75E-06	1.90E-07
5951	469200.08	3819519.2	9.45E-06	3.97E-05	3.57E-06	7.87E-06	2.92E-05	2.57E-06	8.93E-07	5.11E-06	6.10E-07	8.11E-07	2.68E-06	1.84E-07
5952	469196.56	3819510.24	9.18E-06	3.86E-05	3.47E-06	7.65E-06	2.83E-05	2.49E-06	8.67E-07	4.96E-06	5.92E-07	7.88E-07	2.60E-06	1.79E-07
5953	469193.04	3819501.28	8.93E-06	3.75E-05	3.38E-06	7.44E-06	2.76E-05	2.42E-06	8.43E-07	4.83E-06	5.76E-07	7.66E-07	2.53E-06	1.74E-07
5954	469189.52	3819492.31	8.68E-06	3.64E-05	3.28E-06	7.23E-06	2.68E-05	2.36E-06	8.20E-07	4.69E-06	5.60E-07	7.45E-07	2.46E-06	1.69E-07
5955	469186	3819483.35	8.43E-06	3.54E-05	3.19E-06	7.02E-06	2.60E-05	2.29E-06	7.96E-07	4.56E-06	5.44E-07	7.24E-07	2.39E-06	1.65E-07
5956	469182.48	3819474.39	8.20E-06	3.44E-05	3.10E-06	6.83E-06	2.53E-05	2.23E-06	7.75E-07	4.43E-06	5.29E-07	7.04E-07	2.32E-06	1.60E-07
5957	469178.97	3819465.43	7.98E-06	3.35E-05	3.02E-06	6.65E-06	2.46E-05	2.17E-06	7.54E-07	4.31E-06	5.15E-07	6.85E-07	2.26E-06	1.56E-07
5958	469175.45	3819456.47	7.78E-06	3.27E-05	2.94E-06	6.48E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.68E-07	2.20E-06	1.52E-07
5959	469171.93	3819447.51	7.59E-06	3.19E-05	2.87E-06	6.32E-06	2.34E-05	2.06E-06	7.16E-07	4.10E-06	4.89E-07	6.51E-07	2.15E-06	1.48E-07
5960	469168.41	3819438.54	7.40E-06	3.11E-05	2.80E-06	6.17E-06	2.28E-05	2.01E-06	6.99E-07	4.00E-06	4.78E-07	6.36E-07	2.10E-06	1.44E-07

5961	470091.62	3820388.31	6.87E-05	2.88E-04	2.60E-05	5.72E-05	2.12E-04	1.86E-05	6.48E-06	3.71E-05	4.43E-06	5.89E-06	1.94E-05	1.34E-06
5962	470101.31	3820388.44	6.83E-05	2.87E-04	2.58E-05	5.69E-05	2.11E-04	1.85E-05	6.45E-06	3.69E-05	4.41E-06	5.87E-06	1.93E-05	1.33E-06
5963	470111.01	3820388.58	6.80E-05	2.85E-04	2.57E-05	5.66E-05	2.10E-04	1.84E-05	6.42E-06	3.67E-05	4.38E-06	5.83E-06	1.92E-05	1.33E-06
5964	470120.71	3820388.71	6.76E-05	2.84E-04	2.56E-05	5.63E-05	2.09E-04	1.83E-05	6.38E-06	3.65E-05	4.36E-06	5.80E-06	1.91E-05	1.32E-06
5965	470130.4	3820388.85	6.72E-05	2.82E-04	2.54E-05	5.60E-05	2.07E-04	1.82E-05	6.34E-06	3.63E-05	4.33E-06	5.77E-06	1.90E-05	1.31E-06
5966	470140.1	3820388.98	6.67E-05	2.80E-04	2.52E-05	5.56E-05	2.06E-04	1.81E-05	6.30E-06	3.61E-05	4.30E-06	5.73E-06	1.89E-05	1.30E-06
5967	470149.8	3820389.12	6.62E-05	2.78E-04	2.50E-05	5.51E-05	2.04E-04	1.80E-05	6.25E-06	3.58E-05	4.27E-06	5.68E-06	1.87E-05	1.29E-06
5968	470159.5	3820389.25	6.56E-05	2.76E-04	2.48E-05	5.47E-05	2.02E-04	1.78E-05	6.20E-06	3.55E-05	4.23E-06	5.63E-06	1.86E-05	1.28E-06
5969	470169.19	3820389.39	6.50E-05	2.73E-04	2.46E-05	5.42E-05	2.01E-04	1.77E-05	6.14E-06	3.52E-05	4.19E-06	5.58E-06	1.84E-05	1.27E-06
5970	470178.89	3820389.52	6.44E-05	2.71E-04	2.44E-05	5.37E-05	1.99E-04	1.75E-05	6.09E-06	3.48E-05	4.16E-06	5.53E-06	1.82E-05	1.26E-06
5971	470188.59	3820389.66	6.39E-05	2.68E-04	2.41E-05	5.32E-05	1.97E-04	1.73E-05	6.03E-06	3.45E-05	4.12E-06	5.48E-06	1.81E-05	1.25E-06
5972	470198.28	3820389.79	6.32E-05	2.66E-04	2.39E-05	5.27E-05	1.95E-04	1.72E-05	5.97E-06	3.42E-05	4.08E-06	5.43E-06	1.79E-05	1.23E-06
5973	470207.98	3820389.93	6.26E-05	2.63E-04	2.37E-05	5.22E-05	1.93E-04	1.70E-05	5.91E-06	3.39E-05	4.04E-06	5.38E-06	1.77E-05	1.22E-06
5974	470217.68	3820390.06	6.20E-05	2.60E-04	2.34E-05	5.16E-05	1.91E-04	1.68E-05	5.85E-06	3.35E-05	4.00E-06	5.32E-06	1.75E-05	1.21E-06
5975	470227.38	3820390.2	6.14E-05	2.58E-04	2.32E-05	5.11E-05	1.89E-04	1.67E-05	5.79E-06	3.32E-05	3.96E-06	5.27E-06	1.74E-05	1.20E-06
5976	470237.07	3820390.33	6.07E-05	2.55E-04	2.30E-05	5.06E-05	1.87E-04	1.65E-05	5.73E-06	3.28E-05	3.92E-06	5.21E-06	1.72E-05	1.18E-06
5977	470246.77	3820390.47	6.01E-05	2.52E-04	2.27E-05	5.00E-05	1.85E-04	1.63E-05	5.67E-06	3.25E-05	3.87E-06	5.16E-06	1.70E-05	1.17E-06
5978	470256.47	3820390.6	5.94E-05	2.49E-04	2.25E-05	4.95E-05	1.83E-04	1.61E-05	5.61E-06	3.21E-05	3.83E-06	5.10E-06	1.68E-05	1.16E-06
5979	470266.17	3820390.74	5.88E-05	2.47E-04	2.22E-05	4.90E-05	1.81E-04	1.60E-05	5.55E-06	3.18E-05	3.79E-06	5.05E-06	1.66E-05	1.15E-06
5980	470081.62	3820464.46	6.06E-05	2.55E-04	2.29E-05	5.05E-05	1.87E-04	1.65E-05	5.72E-06	3.28E-05	3.91E-06	5.20E-06	1.72E-05	1.18E-06
5981	470072.74	3820460.62	6.12E-05	2.57E-04	2.31E-05	5.10E-05	1.89E-04	1.66E-05	5.78E-06	3.31E-05	3.95E-06	5.25E-06	1.73E-05	1.19E-06
5982	470063.86	3820456.78	6.18E-05	2.59E-04	2.34E-05	5.14E-05	1.91E-04	1.68E-05	5.83E-06	3.34E-05	3.98E-06	5.30E-06	1.75E-05	1.21E-06
5983	470054.99	3820452.94	6.23E-05	2.62E-04	2.36E-05	5.19E-05	1.92E-04	1.69E-05	5.88E-06	3.37E-05	4.02E-06	5.35E-06	1.76E-05	1.22E-06
5984	470046.11	3820449.1	6.28E-05	2.64E-04	2.37E-05	5.23E-05	1.94E-04	1.70E-05	5.93E-06	3.39E-05	4.05E-06	5.39E-06	1.78E-05	1.22E-06
5985	470037.23	3820445.26	6.32E-05	2.66E-04	2.39E-05	5.27E-05	1.95E-04	1.72E-05	5.97E-06	3.42E-05	4.08E-06	5.43E-06	1.79E-05	1.23E-06
5986	470028.35	3820441.43	6.37E-05	2.67E-04	2.41E-05	5.30E-05	1.97E-04	1.73E-05	6.01E-06	3.44E-05	4.11E-06	5.47E-06	1.80E-05	1.24E-06
5987	470019.47	3820437.59	6.41E-05	2.69E-04	2.42E-05	5.34E-05	1.98E-04	1.74E-05	6.05E-06	3.46E-05	4.13E-06	5.50E-06	1.81E-05	1.25E-06
5988	470010.59	3820433.75	6.44E-05	2.70E-04	2.44E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
5989	470001.71	3820429.91	6.47E-05	2.72E-04	2.45E-05	5.39E-05	2.00E-04	1.76E-05	6.11E-06	3.50E-05	4.17E-06	5.55E-06	1.83E-05	1.26E-06
5990	469992.83	3820426.07	6.49E-05	2.73E-04	2.46E-05	5.41E-05	2.00E-04	1.76E-05	6.13E-06	3.51E-05	4.19E-06	5.57E-06	1.84E-05	1.27E-06
5991	469983.96	3820422.23	6.51E-05	2.73E-04	2.46E-05	5.42E-05	2.01E-04	1.77E-05	6.15E-06	3.52E-05	4.20E-06	5.59E-06	1.84E-05	1.27E-06
5992	469975.08	3820418.39	6.53E-05	2.74E-04	2.47E-05	5.44E-05	2.01E-04	1.77E-05	6.17E-06	3.53E-05	4.21E-06	5.61E-06	1.85E-05	1.27E-06
5993	469966.2	3820414.55	6.54E-05	2.75E-04	2.47E-05	5.45E-05	2.02E-04	1.78E-05	6.18E-06	3.54E-05	4.22E-06	5.62E-06	1.85E-05	1.28E-06
5994	469957.32	3820410.71	6.55E-05	2.75E-04	2.48E-05	5.45E-05	2.02E-04	1.78E-05	6.18E-06	3.54E-05	4.22E-06	5.62E-06	1.85E-05	1.28E-06
5995	469948.44	3820406.87	6.55E-05	2.75E-04	2.48E-05	5.45E-05	2.02E-04	1.78E-05	6.18E-06	3.54E-05	4.22E-06	5.62E-06	1.85E-05	1.28E-06
5996	469939.56	3820403.03	6.54E-05	2.75E-04	2.47E-05	5.45E-05	2.02E-04	1.78E-05	6.18E-06	3.54E-05	4.22E-06	5.62E-06	1.85E-05	1.28E-06
5997	469930.68	3820399.19	6.54E-05	2.74E-04	2.47E-05	5.44E-05	2.02E-04	1.77E-05	6.17E-06	3.53E-05	4.22E-06	5.61E-06	1.85E-05	1.28E-06
5998	469921.8	3820395.35	6.52E-05	2.74E-04	2.47E-05	5.43E-05	2.01E-04	1.77E-05	6.16E-06	3.53E-05	4.21E-06	5.60E-06	1.85E-05	1.27E-06
5999	469912.92	3820391.51	6.51E-05	2.73E-04	2.46E-05	5.42E-05	2.01E-04	1.77E-05	6.15E-06	3.52E-05	4.20E-06	5.59E-06	1.84E-05	1.27E-06
6000	469904.05	3820387.67	6.49E-05	2.73E-04	2.45E-05	5.41E-05	2.00E-04	1.76E-05	6.13E-06	3.51E-05	4.19E-06	5.57E-06	1.84E-05	1.27E-06
6001	469895.17	3820383.83	6.47E-05	2.72E-04	2.45E-05	5.39E-05	2.00E-04	1.76E-05	6.11E-06	3.50E-05	4.17E-06	5.55E-06	1.83E-05	1.26E-06
6002	469886.29	3820379.99	6.44E-05	2.70E-04	2.44E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06

6003	469877.41	3820376.15	6.41E-05	2.69E-04	2.42E-05	5.34E-05	1.98E-04	1.74E-05	6.05E-06	3.46E-05	4.13E-06	5.50E-06	1.81E-05	1.25E-06
6004	469868.53	3820372.31	6.37E-05	2.68E-04	2.41E-05	5.31E-05	1.97E-04	1.73E-05	6.02E-06	3.45E-05	4.11E-06	5.47E-06	1.80E-05	1.24E-06
6005	469859.65	3820368.48	6.33E-05	2.66E-04	2.40E-05	5.28E-05	1.95E-04	1.72E-05	5.98E-06	3.42E-05	4.09E-06	5.44E-06	1.79E-05	1.24E-06
6006	469850.77	3820364.64	6.29E-05	2.64E-04	2.38E-05	5.24E-05	1.94E-04	1.71E-05	5.94E-06	3.40E-05	4.06E-06	5.40E-06	1.78E-05	1.23E-06
6007	469841.89	3820360.8	6.25E-05	2.62E-04	2.36E-05	5.21E-05	1.93E-04	1.70E-05	5.90E-06	3.38E-05	4.03E-06	5.36E-06	1.77E-05	1.22E-06
6008	469833.02	3820356.96	6.20E-05	2.61E-04	2.35E-05	5.17E-05	1.91E-04	1.68E-05	5.86E-06	3.35E-05	4.00E-06	5.33E-06	1.76E-05	1.21E-06
6009	469824.14	3820353.12	6.16E-05	2.59E-04	2.33E-05	5.13E-05	1.90E-04	1.67E-05	5.81E-06	3.33E-05	3.97E-06	5.29E-06	1.74E-05	1.20E-06
6010	469815.26	3820349.28	6.11E-05	2.56E-04	2.31E-05	5.09E-05	1.88E-04	1.66E-05	5.77E-06	3.30E-05	3.94E-06	5.24E-06	1.73E-05	1.19E-06
6011	469806.38	3820345.44	6.06E-05	2.54E-04	2.29E-05	5.04E-05	1.87E-04	1.64E-05	5.72E-06	3.27E-05	3.91E-06	5.20E-06	1.71E-05	1.18E-06
6012	469797.5	3820341.6	6.00E-05	2.52E-04	2.27E-05	5.00E-05	1.85E-04	1.63E-05	5.67E-06	3.25E-05	3.87E-06	5.15E-06	1.70E-05	1.17E-06
6013	469788.62	3820337.76	5.95E-05	2.50E-04	2.25E-05	4.96E-05	1.84E-04	1.62E-05	5.62E-06	3.22E-05	3.84E-06	5.11E-06	1.68E-05	1.16E-06
6014	469726.47	3820310.88	5.56E-05	2.33E-04	2.10E-05	4.63E-05	1.72E-04	1.51E-05	5.25E-06	3.00E-05	3.58E-06	4.77E-06	1.57E-05	1.08E-06
6015	469717.59	3820307.04	5.50E-05	2.31E-04	2.08E-05	4.58E-05	1.70E-04	1.49E-05	5.20E-06	2.97E-05	3.55E-06	4.72E-06	1.56E-05	1.07E-06
6016	469708.71	3820303.2	5.45E-05	2.29E-04	2.06E-05	4.54E-05	1.68E-04	1.48E-05	5.14E-06	2.94E-05	3.51E-06	4.68E-06	1.54E-05	1.06E-06
6017	469699.83	3820299.37	5.39E-05	2.26E-04	2.04E-05	4.49E-05	1.66E-04	1.46E-05	5.09E-06	2.92E-05	3.48E-06	4.63E-06	1.53E-05	1.05E-06
6018	469611.04	3820260.97	4.89E-05	2.05E-04	1.85E-05	4.07E-05	1.51E-04	1.33E-05	4.62E-06	2.64E-05	3.15E-06	4.20E-06	1.38E-05	9.54E-07
6019	469602.17	3820257.13	4.84E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.57E-06	2.62E-05	3.12E-06	4.16E-06	1.37E-05	9.45E-07
6020	469593.29	3820253.29	4.79E-05	2.01E-04	1.81E-05	3.99E-05	1.48E-04	1.30E-05	4.53E-06	2.59E-05	3.09E-06	4.12E-06	1.36E-05	9.36E-07
6021	469584.41	3820249.45	4.75E-05	1.99E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.48E-06	2.57E-05	3.06E-06	4.08E-06	1.34E-05	9.27E-07
6022	469575.53	3820245.61	4.70E-05	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.44E-06	2.54E-05	3.03E-06	4.04E-06	1.33E-05	9.18E-07
6023	469566.65	3820241.77	4.66E-05	1.96E-04	1.76E-05	3.88E-05	1.44E-04	1.26E-05	4.40E-06	2.52E-05	3.00E-06	4.00E-06	1.32E-05	9.09E-07
6024	469557.77	3820237.93	4.61E-05	1.94E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.36E-06	2.49E-05	2.98E-06	3.96E-06	1.31E-05	9.00E-07
6025	469548.89	3820234.09	4.57E-05	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.31E-06	2.47E-05	2.95E-06	3.92E-06	1.29E-05	8.91E-07
6026	469540.01	3820230.26	4.52E-05	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.27E-06	2.45E-05	2.92E-06	3.88E-06	1.28E-05	8.83E-07
6027	469531.13	3820226.42	4.48E-05	1.88E-04	1.69E-05	3.73E-05	1.38E-04	1.22E-05	4.23E-06	2.42E-05	2.89E-06	3.84E-06	1.27E-05	8.74E-07
6028	469522.26	3820222.58	4.43E-05	1.86E-04	1.68E-05	3.69E-05	1.37E-04	1.20E-05	4.19E-06	2.40E-05	2.86E-06	3.81E-06	1.25E-05	8.65E-07
6029	469513.38	3820218.74	4.39E-05	1.84E-04	1.66E-05	3.66E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.77E-06	1.24E-05	8.56E-07
6030	469504.5	3820214.9	4.34E-05	1.82E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.47E-07
6031	469495.62	3820211.06	4.30E-05	1.80E-04	1.62E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.38E-07
6032	469486.74	3820207.22	4.25E-05	1.78E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.01E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.29E-07
6033	469477.86	3820203.38	4.20E-05	1.76E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.97E-06	2.27E-05	2.71E-06	3.61E-06	1.19E-05	8.20E-07
6034	469468.98	3820199.54	4.16E-05	1.75E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.92E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.11E-07
6035	469460.1	3820195.7	4.11E-05	1.72E-04	1.55E-05	3.42E-05	1.27E-04	1.11E-05	3.88E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.01E-07
6036	469451.23	3820191.86	4.06E-05	1.70E-04	1.54E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.92E-07
6037	469442.35	3820188.02	4.01E-05	1.68E-04	1.52E-05	3.34E-05	1.24E-04	1.09E-05	3.79E-06	2.17E-05	2.59E-06	3.44E-06	1.13E-05	7.82E-07
6038	469433.47	3820184.18	3.96E-05	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.08E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.73E-07
6039	469424.59	3820180.34	3.91E-05	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.36E-06	1.11E-05	7.63E-07
6040	469415.71	3820176.5	3.86E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
6041	469406.83	3820172.66	3.81E-05	1.60E-04	1.44E-05	3.17E-05	1.17E-04	1.03E-05	3.59E-06	2.06E-05	2.46E-06	3.27E-06	1.08E-05	7.43E-07
6042	469397.95	3820168.82	3.75E-05	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.33E-07
6043	469389.07	3820164.98	3.70E-05	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.50E-06	2.00E-05	2.39E-06	3.18E-06	1.05E-05	7.22E-07
6044	469380.19	3820161.15	3.65E-05	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.90E-06	3.44E-06	1.97E-05	2.35E-06	3.13E-06	1.03E-05	7.12E-07

6045	469367.78	3820148.3	3.58E-05	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.72E-06	3.38E-06	1.94E-05	2.31E-06	3.07E-06	1.01E-05	6.99E-07
6046	469364.24	3820139.3	3.56E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.68E-06	3.37E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.95E-07
6047	469360.71	3820130.29	3.55E-05	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.63E-06	3.35E-06	1.92E-05	2.29E-06	3.05E-06	1.00E-05	6.92E-07
6048	469357.17	3820121.29	3.53E-05	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.58E-06	3.33E-06	1.91E-05	2.28E-06	3.03E-06	9.99E-06	6.89E-07
6049	469353.64	3820112.29	3.51E-05	1.47E-04	1.33E-05	2.92E-05	1.08E-04	9.52E-06	3.31E-06	1.90E-05	2.26E-06	3.01E-06	9.93E-06	6.84E-07
6050	469350.1	3820103.28	3.49E-05	1.46E-04	1.32E-05	2.90E-05	1.08E-04	9.46E-06	3.29E-06	1.88E-05	2.25E-06	2.99E-06	9.87E-06	6.80E-07
6051	469346.56	3820094.28	3.46E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.40E-06	3.27E-06	1.87E-05	2.23E-06	2.97E-06	9.80E-06	6.75E-07
6052	469343.03	3820085.27	3.44E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.33E-06	3.24E-06	1.86E-05	2.22E-06	2.95E-06	9.72E-06	6.70E-07
6053	469339.49	3820076.27	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.65E-06	6.65E-07
6054	469335.96	3820067.27	3.38E-05	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.17E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.57E-06	6.59E-07
6055	469332.42	3820058.26	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.48E-06	6.53E-07
6056	469328.88	3820049.26	3.32E-05	1.39E-04	1.25E-05	2.76E-05	1.02E-04	9.00E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.39E-06	6.47E-07
6057	469325.35	3820040.25	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.91E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.40E-07
6058	469190.98	3819698.1	1.42E-05	5.95E-05	5.35E-06	1.18E-05	4.37E-05	3.84E-06	1.34E-06	7.65E-06	9.13E-07	1.22E-06	4.01E-06	2.76E-07
6059	469187.45	3819689.1	1.37E-05	5.76E-05	5.19E-06	1.14E-05	4.24E-05	3.73E-06	1.30E-06	7.42E-06	8.85E-07	1.18E-06	3.88E-06	2.68E-07
6060	469183.91	3819680.09	1.33E-05	5.59E-05	5.03E-06	1.11E-05	4.10E-05	3.61E-06	1.26E-06	7.19E-06	8.58E-07	1.14E-06	3.77E-06	2.60E-07
6061	469180.37	3819671.09	1.29E-05	5.41E-05	4.88E-06	1.07E-05	3.98E-05	3.50E-06	1.22E-06	6.97E-06	8.32E-07	1.11E-06	3.65E-06	2.52E-07
6062	469176.84	3819662.09	1.25E-05	5.25E-05	4.72E-06	1.04E-05	3.86E-05	3.39E-06	1.18E-06	6.75E-06	8.06E-07	1.07E-06	3.54E-06	2.44E-07
6063	469173.3	3819653.08	1.21E-05	5.08E-05	4.58E-06	1.01E-05	3.73E-05	3.29E-06	1.14E-06	6.54E-06	7.81E-07	1.04E-06	3.43E-06	2.36E-07
6064	469169.77	3819644.08	1.17E-05	4.92E-05	4.43E-06	9.76E-06	3.62E-05	3.18E-06	1.11E-06	6.34E-06	7.56E-07	1.01E-06	3.32E-06	2.29E-07
6065	469166.23	3819635.07	1.14E-05	4.77E-05	4.30E-06	9.46E-06	3.50E-05	3.08E-06	1.07E-06	6.14E-06	7.33E-07	9.75E-07	3.21E-06	2.22E-07
6066	469162.7	3819626.07	1.10E-05	4.62E-05	4.16E-06	9.17E-06	3.40E-05	2.99E-06	1.04E-06	5.95E-06	7.10E-07	9.45E-07	3.12E-06	2.15E-07
6067	469159.16	3819617.07	1.07E-05	4.48E-05	4.04E-06	8.89E-06	3.29E-05	2.90E-06	1.01E-06	5.77E-06	6.88E-07	9.16E-07	3.02E-06	2.08E-07
6068	469155.62	3819608.06	1.03E-05	4.34E-05	3.91E-06	8.61E-06	3.19E-05	2.81E-06	9.76E-07	5.59E-06	6.67E-07	8.87E-07	2.93E-06	2.02E-07
6069	469152.09	3819599.06	1.00E-05	4.21E-05	3.79E-06	8.35E-06	3.09E-05	2.72E-06	9.47E-07	5.42E-06	6.47E-07	8.61E-07	2.84E-06	1.96E-07
6070	469148.55	3819590.05	9.73E-06	4.08E-05	3.68E-06	8.10E-06	3.00E-05	2.64E-06	9.19E-07	5.26E-06	6.27E-07	8.35E-07	2.75E-06	1.90E-07
6071	469145.02	3819581.05	9.44E-06	3.97E-05	3.57E-06	7.87E-06	2.91E-05	2.56E-06	8.92E-07	5.11E-06	6.09E-07	8.11E-07	2.67E-06	1.84E-07
6072	469141.48	3819572.05	9.17E-06	3.85E-05	3.47E-06	7.64E-06	2.83E-05	2.49E-06	8.66E-07	4.96E-06	5.91E-07	7.87E-07	2.60E-06	1.79E-07
6073	469137.94	3819563.04	8.90E-06	3.74E-05	3.37E-06	7.42E-06	2.75E-05	2.42E-06	8.41E-07	4.81E-06	5.74E-07	7.64E-07	2.52E-06	1.74E-07
6074	469134.41	3819554.04	8.65E-06	3.63E-05	3.27E-06	7.21E-06	2.67E-05	2.35E-06	8.17E-07	4.68E-06	5.58E-07	7.43E-07	2.45E-06	1.69E-07
6075	469130.87	3819545.03	8.41E-06	3.53E-05	3.18E-06	7.01E-06	2.60E-05	2.28E-06	7.95E-07	4.55E-06	5.43E-07	7.22E-07	2.38E-06	1.64E-07
6076	469127.34	3819536.03	8.18E-06	3.44E-05	3.09E-06	6.82E-06	2.53E-05	2.22E-06	7.73E-07	4.42E-06	5.28E-07	7.02E-07	2.32E-06	1.60E-07
6077	469123.8	3819527.03	7.96E-06	3.34E-05	3.01E-06	6.63E-06	2.46E-05	2.16E-06	7.52E-07	4.30E-06	5.14E-07	6.83E-07	2.25E-06	1.55E-07
6078	469120.26	3819518.02	7.75E-06	3.26E-05	2.93E-06	6.46E-06	2.39E-05	2.11E-06	7.32E-07	4.19E-06	5.00E-07	6.66E-07	2.20E-06	1.51E-07
6079	469116.73	3819509.02	7.55E-06	3.17E-05	2.86E-06	6.29E-06	2.33E-05	2.05E-06	7.13E-07	4.08E-06	4.87E-07	6.48E-07	2.14E-06	1.47E-07
6080	469113.19	3819500.01	7.36E-06	3.09E-05	2.78E-06	6.13E-06	2.27E-05	2.00E-06	6.95E-07	3.98E-06	4.75E-07	6.32E-07	2.08E-06	1.44E-07
6081	469109.66	3819491.01	7.17E-06	3.01E-05	2.71E-06	5.97E-06	2.21E-05	1.95E-06	6.77E-07	3.88E-06	4.63E-07	6.16E-07	2.03E-06	1.40E-07
6082	469106.12	3819482.01	6.99E-06	2.94E-05	2.64E-06	5.82E-06	2.16E-05	1.90E-06	6.60E-07	3.78E-06	4.51E-07	6.00E-07	1.98E-06	1.36E-07
6083	469102.58	3819473	6.82E-06	2.86E-05	2.58E-06	5.68E-06	2.10E-05	1.85E-06	6.44E-07	3.69E-06	4.40E-07	5.85E-07	1.93E-06	1.33E-07
6084	470090.5	3820468.3	6.00E-05	2.52E-04	2.27E-05	5.00E-05	1.85E-04	1.63E-05	5.67E-06	3.24E-05	3.87E-06	5.15E-06	1.70E-05	1.17E-06
6085	470100.2	3820468.44	5.97E-05	2.51E-04	2.26E-05	4.97E-05	1.84E-04	1.62E-05	5.64E-06	3.23E-05	3.85E-06	5.12E-06	1.69E-05	1.16E-06
6086	470109.9	3820468.57	5.94E-05	2.49E-04	2.25E-05	4.94E-05	1.83E-04	1.61E-05	5.61E-06	3.21E-05	3.83E-06	5.10E-06	1.68E-05	1.16E-06

6087	470119.59	3820468.71	5.90E-05	2.48E-04	2.23E-05	4.92E-05	1.82E-04	1.60E-05	5.57E-06	3.19E-05	3.81E-06	5.07E-06	1.67E-05	1.15E-06
6088	470129.29	3820468.84	5.87E-05	2.46E-04	2.22E-05	4.89E-05	1.81E-04	1.59E-05	5.54E-06	3.17E-05	3.78E-06	5.03E-06	1.66E-05	1.14E-06
6089	470138.99	3820468.98	5.82E-05	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
6090	470148.68	3820469.11	5.78E-05	2.43E-04	2.19E-05	4.81E-05	1.78E-04	1.57E-05	5.46E-06	3.12E-05	3.73E-06	4.96E-06	1.64E-05	1.13E-06
6091	470158.38	3820469.25	5.73E-05	2.41E-04	2.17E-05	4.78E-05	1.77E-04	1.56E-05	5.41E-06	3.10E-05	3.70E-06	4.92E-06	1.62E-05	1.12E-06
6092	470168.08	3820469.38	5.68E-05	2.39E-04	2.15E-05	4.73E-05	1.75E-04	1.54E-05	5.37E-06	3.07E-05	3.67E-06	4.88E-06	1.61E-05	1.11E-06
6093	470177.78	3820469.52	5.63E-05	2.37E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.32E-06	3.05E-05	3.63E-06	4.84E-06	1.59E-05	1.10E-06
6094	470187.47	3820469.65	5.58E-05	2.34E-04	2.11E-05	4.65E-05	1.72E-04	1.52E-05	5.27E-06	3.02E-05	3.60E-06	4.79E-06	1.58E-05	1.09E-06
6095	470197.17	3820469.79	5.53E-05	2.32E-04	2.09E-05	4.61E-05	1.71E-04	1.50E-05	5.22E-06	2.99E-05	3.57E-06	4.75E-06	1.57E-05	1.08E-06
6096	470206.87	3820469.92	5.48E-05	2.30E-04	2.07E-05	4.56E-05	1.69E-04	1.49E-05	5.17E-06	2.96E-05	3.53E-06	4.70E-06	1.55E-05	1.07E-06
6097	470216.57	3820470.06	5.43E-05	2.28E-04	2.05E-05	4.52E-05	1.67E-04	1.47E-05	5.12E-06	2.93E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
6098	470226.26	3820470.19	5.37E-05	2.26E-04	2.03E-05	4.48E-05	1.66E-04	1.46E-05	5.07E-06	2.91E-05	3.47E-06	4.61E-06	1.52E-05	1.05E-06
6099	470235.96	3820470.33	5.32E-05	2.23E-04	2.01E-05	4.43E-05	1.64E-04	1.44E-05	5.02E-06	2.88E-05	3.43E-06	4.57E-06	1.51E-05	1.04E-06
6100	470245.66	3820470.46	5.27E-05	2.21E-04	1.99E-05	4.39E-05	1.63E-04	1.43E-05	4.97E-06	2.85E-05	3.40E-06	4.52E-06	1.49E-05	1.03E-06
6101	470255.35	3820470.6	5.21E-05	2.19E-04	1.97E-05	4.34E-05	1.61E-04	1.42E-05	4.92E-06	2.82E-05	3.36E-06	4.48E-06	1.48E-05	1.02E-06
6102	470265.05	3820470.73	5.16E-05	2.17E-04	1.95E-05	4.30E-05	1.59E-04	1.40E-05	4.87E-06	2.79E-05	3.33E-06	4.43E-06	1.46E-05	1.01E-06
6103	470080.57	3820544.48	5.36E-05	2.25E-04	2.03E-05	4.46E-05	1.65E-04	1.45E-05	5.06E-06	2.90E-05	3.46E-06	4.60E-06	1.52E-05	1.05E-06
6104	470071.76	3820540.67	5.41E-05	2.27E-04	2.05E-05	4.51E-05	1.67E-04	1.47E-05	5.11E-06	2.92E-05	3.49E-06	4.64E-06	1.53E-05	1.06E-06
6105	470062.95	3820536.86	5.46E-05	2.29E-04	2.06E-05	4.55E-05	1.68E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
6106	470054.13	3820533.05	5.51E-05	2.31E-04	2.08E-05	4.59E-05	1.70E-04	1.49E-05	5.20E-06	2.98E-05	3.55E-06	4.73E-06	1.56E-05	1.07E-06
6107	470045.32	3820529.24	5.55E-05	2.33E-04	2.10E-05	4.62E-05	1.71E-04	1.51E-05	5.24E-06	3.00E-05	3.58E-06	4.76E-06	1.57E-05	1.08E-06
6108	470036.51	3820525.43	5.59E-05	2.35E-04	2.11E-05	4.66E-05	1.73E-04	1.52E-05	5.28E-06	3.02E-05	3.61E-06	4.80E-06	1.58E-05	1.09E-06
6109	470027.69	3820521.61	5.63E-05	2.36E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.32E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
6110	470018.88	3820517.8	5.66E-05	2.38E-04	2.14E-05	4.72E-05	1.75E-04	1.54E-05	5.35E-06	3.06E-05	3.65E-06	4.86E-06	1.60E-05	1.11E-06
6111	470010.07	3820513.99	5.70E-05	2.39E-04	2.16E-05	4.75E-05	1.76E-04	1.55E-05	5.38E-06	3.08E-05	3.68E-06	4.89E-06	1.61E-05	1.11E-06
6112	470001.25	3820510.18	5.73E-05	2.41E-04	2.17E-05	4.77E-05	1.77E-04	1.56E-05	5.41E-06	3.10E-05	3.70E-06	4.92E-06	1.62E-05	1.12E-06
6113	469992.44	3820506.37	5.76E-05	2.42E-04	2.18E-05	4.80E-05	1.78E-04	1.56E-05	5.44E-06	3.11E-05	3.71E-06	4.94E-06	1.63E-05	1.12E-06
6114	469983.63	3820502.56	5.78E-05	2.43E-04	2.19E-05	4.81E-05	1.78E-04	1.57E-05	5.46E-06	3.12E-05	3.73E-06	4.96E-06	1.64E-05	1.13E-06
6115	469974.81	3820498.75	5.80E-05	2.44E-04	2.19E-05	4.83E-05	1.79E-04	1.57E-05	5.48E-06	3.14E-05	3.74E-06	4.98E-06	1.64E-05	1.13E-06
6116	469966	3820494.94	5.82E-05	2.44E-04	2.20E-05	4.84E-05	1.79E-04	1.58E-05	5.49E-06	3.14E-05	3.75E-06	4.99E-06	1.65E-05	1.13E-06
6117	469957.18	3820491.13	5.83E-05	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
6118	469948.37	3820487.31	5.83E-05	2.45E-04	2.21E-05	4.86E-05	1.80E-04	1.58E-05	5.51E-06	3.15E-05	3.76E-06	5.01E-06	1.65E-05	1.14E-06
6119	469939.56	3820483.5	5.84E-05	2.45E-04	2.21E-05	4.86E-05	1.80E-04	1.58E-05	5.51E-06	3.16E-05	3.76E-06	5.01E-06	1.65E-05	1.14E-06
6120	469930.74	3820479.69	5.84E-05	2.45E-04	2.21E-05	4.86E-05	1.80E-04	1.58E-05	5.51E-06	3.15E-05	3.76E-06	5.01E-06	1.65E-05	1.14E-06
6121	469921.93	3820475.88	5.83E-05	2.45E-04	2.21E-05	4.86E-05	1.80E-04	1.58E-05	5.51E-06	3.15E-05	3.76E-06	5.01E-06	1.65E-05	1.14E-06
6122	469913.12	3820472.07	5.83E-05	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
6123	469904.3	3820468.26	5.82E-05	2.44E-04	2.20E-05	4.84E-05	1.79E-04	1.58E-05	5.49E-06	3.14E-05	3.75E-06	4.99E-06	1.65E-05	1.13E-06
6124	469895.49	3820464.45	5.80E-05	2.44E-04	2.19E-05	4.83E-05	1.79E-04	1.57E-05	5.48E-06	3.14E-05	3.74E-06	4.98E-06	1.64E-05	1.13E-06
6125	469886.68	3820460.64	5.78E-05	2.43E-04	2.19E-05	4.82E-05	1.78E-04	1.57E-05	5.46E-06	3.13E-05	3.73E-06	4.96E-06	1.64E-05	1.13E-06
6126	469877.86	3820456.82	5.76E-05	2.42E-04	2.18E-05	4.80E-05	1.78E-04	1.56E-05	5.44E-06	3.11E-05	3.72E-06	4.95E-06	1.63E-05	1.12E-06
6127	469869.05	3820453.01	5.74E-05	2.41E-04	2.17E-05	4.78E-05	1.77E-04	1.56E-05	5.42E-06	3.10E-05	3.70E-06	4.92E-06	1.62E-05	1.12E-06
6128	469860.24	3820449.2	5.71E-05	2.40E-04	2.16E-05	4.76E-05	1.76E-04	1.55E-05	5.39E-06	3.09E-05	3.68E-06	4.90E-06	1.62E-05	1.11E-06

6129	469851.42	3820445.39	5.68E-05	2.39E-04	2.15E-05	4.73E-05	1.75E-04	1.54E-05	5.37E-06	3.07E-05	3.67E-06	4.88E-06	1.61E-05	1.11E-06
6130	469842.61	3820441.58	5.65E-05	2.37E-04	2.14E-05	4.71E-05	1.74E-04	1.53E-05	5.34E-06	3.05E-05	3.64E-06	4.85E-06	1.60E-05	1.10E-06
6131	469833.79	3820437.77	5.62E-05	2.36E-04	2.12E-05	4.68E-05	1.73E-04	1.52E-05	5.30E-06	3.04E-05	3.62E-06	4.82E-06	1.59E-05	1.10E-06
6132	469824.98	3820433.96	5.58E-05	2.34E-04	2.11E-05	4.65E-05	1.72E-04	1.52E-05	5.27E-06	3.02E-05	3.60E-06	4.79E-06	1.58E-05	1.09E-06
6133	469816.17	3820430.15	5.54E-05	2.33E-04	2.10E-05	4.62E-05	1.71E-04	1.50E-05	5.24E-06	3.00E-05	3.58E-06	4.76E-06	1.57E-05	1.08E-06
6134	469807.35	3820426.33	5.50E-05	2.31E-04	2.08E-05	4.58E-05	1.70E-04	1.49E-05	5.20E-06	2.98E-05	3.55E-06	4.72E-06	1.56E-05	1.07E-06
6135	469798.54	3820422.52	5.46E-05	2.29E-04	2.07E-05	4.55E-05	1.69E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
6136	469789.73	3820418.71	5.42E-05	2.28E-04	2.05E-05	4.51E-05	1.67E-04	1.47E-05	5.12E-06	2.93E-05	3.49E-06	4.65E-06	1.53E-05	1.06E-06
6137	469780.91	3820414.9	5.37E-05	2.26E-04	2.03E-05	4.48E-05	1.66E-04	1.46E-05	5.07E-06	2.90E-05	3.47E-06	4.61E-06	1.52E-05	1.05E-06
6138	469772.1	3820411.09	5.33E-05	2.24E-04	2.02E-05	4.44E-05	1.64E-04	1.45E-05	5.03E-06	2.88E-05	3.44E-06	4.57E-06	1.51E-05	1.04E-06
6139	469763.29	3820407.28	5.28E-05	2.22E-04	2.00E-05	4.40E-05	1.63E-04	1.43E-05	4.99E-06	2.86E-05	3.41E-06	4.54E-06	1.50E-05	1.03E-06
6140	469754.47	3820403.47	5.24E-05	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.94E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
6141	469745.66	3820399.66	5.19E-05	2.18E-04	1.96E-05	4.32E-05	1.60E-04	1.41E-05	4.90E-06	2.81E-05	3.35E-06	4.46E-06	1.47E-05	1.01E-06
6142	469736.85	3820395.84	5.14E-05	2.16E-04	1.94E-05	4.28E-05	1.59E-04	1.40E-05	4.86E-06	2.78E-05	3.32E-06	4.41E-06	1.46E-05	1.00E-06
6143	469728.03	3820392.03	5.09E-05	2.14E-04	1.93E-05	4.24E-05	1.57E-04	1.38E-05	4.81E-06	2.75E-05	3.29E-06	4.37E-06	1.44E-05	9.94E-07
6144	469719.22	3820388.22	5.05E-05	2.12E-04	1.91E-05	4.20E-05	1.56E-04	1.37E-05	4.76E-06	2.73E-05	3.25E-06	4.33E-06	1.43E-05	9.85E-07
6145	469710.41	3820384.41	5.00E-05	2.10E-04	1.89E-05	4.16E-05	1.54E-04	1.36E-05	4.72E-06	2.70E-05	3.22E-06	4.29E-06	1.41E-05	9.75E-07
6146	469701.59	3820380.6	4.95E-05	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.68E-05	3.19E-06	4.25E-06	1.40E-05	9.66E-07
6147	469613.46	3820342.49	4.51E-05	1.89E-04	1.70E-05	3.75E-05	1.39E-04	1.22E-05	4.26E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.80E-07
6148	469604.64	3820338.68	4.47E-05	1.88E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.22E-06	2.42E-05	2.88E-06	3.84E-06	1.26E-05	8.72E-07
6149	469595.83	3820334.87	4.43E-05	1.86E-04	1.67E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.39E-05	2.86E-06	3.80E-06	1.25E-05	8.64E-07
6150	469587.02	3820331.05	4.39E-05	1.84E-04	1.66E-05	3.66E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.77E-06	1.24E-05	8.56E-07
6151	469578.2	3820327.24	4.35E-05	1.83E-04	1.65E-05	3.62E-05	1.34E-04	1.18E-05	4.11E-06	2.35E-05	2.81E-06	3.73E-06	1.23E-05	8.49E-07
6152	469569.39	3820323.43	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.41E-07
6153	469560.57	3820319.62	4.27E-05	1.80E-04	1.62E-05	3.56E-05	1.32E-04	1.16E-05	4.04E-06	2.31E-05	2.76E-06	3.67E-06	1.21E-05	8.34E-07
6154	469551.76	3820315.81	4.24E-05	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.64E-06	1.20E-05	8.27E-07
6155	469542.95	3820312	4.20E-05	1.76E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.97E-06	2.27E-05	2.71E-06	3.61E-06	1.19E-05	8.20E-07
6156	469534.13	3820308.19	4.17E-05	1.75E-04	1.58E-05	3.47E-05	1.29E-04	1.13E-05	3.93E-06	2.25E-05	2.69E-06	3.58E-06	1.18E-05	8.13E-07
6157	469525.32	3820304.38	4.13E-05	1.73E-04	1.56E-05	3.44E-05	1.27E-04	1.12E-05	3.90E-06	2.23E-05	2.66E-06	3.54E-06	1.17E-05	8.06E-07
6158	469516.51	3820300.56	4.09E-05	1.72E-04	1.55E-05	3.41E-05	1.26E-04	1.11E-05	3.86E-06	2.21E-05	2.64E-06	3.51E-06	1.16E-05	7.99E-07
6159	469507.69	3820296.75	4.06E-05	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.92E-07
6160	469498.88	3820292.94	4.02E-05	1.69E-04	1.52E-05	3.35E-05	1.24E-04	1.09E-05	3.80E-06	2.17E-05	2.59E-06	3.45E-06	1.14E-05	7.85E-07
6161	469490.07	3820289.13	3.99E-05	1.67E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.78E-07
6162	469481.25	3820285.32	3.95E-05	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.14E-05	2.55E-06	3.39E-06	1.12E-05	7.71E-07
6163	469472.44	3820281.51	3.91E-05	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.52E-06	3.36E-06	1.11E-05	7.64E-07
6164	469463.63	3820277.7	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
6165	469454.81	3820273.89	3.84E-05	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
6166	469446	3820270.07	3.80E-05	1.60E-04	1.44E-05	3.17E-05	1.17E-04	1.03E-05	3.59E-06	2.06E-05	2.45E-06	3.27E-06	1.08E-05	7.42E-07
6167	469437.19	3820266.26	3.77E-05	1.58E-04	1.42E-05	3.14E-05	1.16E-04	1.02E-05	3.56E-06	2.04E-05	2.43E-06	3.23E-06	1.07E-05	7.35E-07
6168	469428.37	3820262.45	3.73E-05	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.52E-06	2.02E-05	2.40E-06	3.20E-06	1.06E-05	7.27E-07
6169	469419.56	3820258.64	3.69E-05	1.55E-04	1.40E-05	3.07E-05	1.14E-04	1.00E-05	3.48E-06	1.99E-05	2.38E-06	3.17E-06	1.04E-05	7.20E-07
6170	469410.74	3820254.83	3.65E-05	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.91E-06	3.45E-06	1.97E-05	2.35E-06	3.13E-06	1.03E-05	7.12E-07

6171	469401.93	3820251.02	3.61E-05	1.52E-04	1.37E-05	3.01E-05	1.11E-04	9.80E-06	3.41E-06	1.95E-05	2.33E-06	3.10E-06	1.02E-05	7.05E-07
6172	469393.12	3820247.21	3.57E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.69E-06	3.37E-06	1.93E-05	2.30E-06	3.07E-06	1.01E-05	6.97E-07
6173	469384.3	3820243.4	3.53E-05	1.48E-04	1.34E-05	2.94E-05	1.09E-04	9.58E-06	3.33E-06	1.91E-05	2.28E-06	3.03E-06	9.99E-06	6.89E-07
6174	469375.49	3820239.58	3.49E-05	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.47E-06	3.29E-06	1.89E-05	2.25E-06	3.00E-06	9.88E-06	6.81E-07
6175	469366.68	3820235.77	3.45E-05	1.45E-04	1.30E-05	2.87E-05	1.06E-04	9.36E-06	3.26E-06	1.86E-05	2.22E-06	2.96E-06	9.76E-06	6.73E-07
6176	469357.86	3820231.96	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.24E-06	3.22E-06	1.84E-05	2.20E-06	2.92E-06	9.64E-06	6.64E-07
6177	469349.05	3820228.15	3.36E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.13E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.52E-06	6.56E-07
6178	469340.24	3820224.34	3.32E-05	1.39E-04	1.26E-05	2.77E-05	1.02E-04	9.01E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
6179	469331.42	3820220.53	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.89E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.27E-06	6.39E-07
6180	469322.61	3820216.72	3.23E-05	1.36E-04	1.22E-05	2.69E-05	9.97E-05	8.77E-06	3.05E-06	1.75E-05	2.08E-06	2.77E-06	9.15E-06	6.31E-07
6181	469310.29	3820203.97	3.18E-05	1.33E-04	1.20E-05	2.65E-05	9.80E-05	8.62E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	8.99E-06	6.20E-07
6182	469306.78	3820195.03	3.16E-05	1.33E-04	1.20E-05	2.63E-05	9.76E-05	8.59E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.95E-06	6.17E-07
6183	469303.27	3820186.09	3.15E-05	1.32E-04	1.19E-05	2.62E-05	9.72E-05	8.55E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.91E-06	6.14E-07
6184	469299.76	3820177.16	3.13E-05	1.32E-04	1.18E-05	2.61E-05	9.67E-05	8.51E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.87E-06	6.11E-07
6185	469296.25	3820168.22	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.62E-05	8.46E-06	2.94E-06	1.68E-05	2.01E-06	2.68E-06	8.82E-06	6.08E-07
6186	469292.74	3820159.28	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.56E-05	8.41E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.77E-06	6.05E-07
6187	469271.68	3820105.65	2.96E-05	1.24E-04	1.12E-05	2.47E-05	9.14E-05	8.04E-06	2.80E-06	1.60E-05	1.91E-06	2.54E-06	8.38E-06	5.78E-07
6188	469268.17	3820096.71	2.93E-05	1.23E-04	1.11E-05	2.44E-05	9.05E-05	7.96E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.30E-06	5.72E-07
6189	469264.66	3820087.78	2.90E-05	1.22E-04	1.10E-05	2.42E-05	8.96E-05	7.88E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.22E-06	5.67E-07
6190	469261.15	3820078.84	2.87E-05	1.21E-04	1.09E-05	2.39E-05	8.87E-05	7.80E-06	2.71E-06	1.55E-05	1.85E-06	2.47E-06	8.14E-06	5.61E-07
6191	469257.64	3820069.9	2.84E-05	1.19E-04	1.08E-05	2.37E-05	8.77E-05	7.72E-06	2.69E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
6192	469254.13	3820060.96	2.81E-05	1.18E-04	1.06E-05	2.34E-05	8.68E-05	7.63E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.96E-06	5.49E-07
6193	469250.62	3820052.03	2.78E-05	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
6194	469247.11	3820043.09	2.74E-05	1.15E-04	1.04E-05	2.28E-05	8.46E-05	7.45E-06	2.59E-06	1.48E-05	1.77E-06	2.35E-06	7.76E-06	5.35E-07
6195	469243.6	3820034.15	2.71E-05	1.14E-04	1.02E-05	2.26E-05	8.35E-05	7.35E-06	2.56E-06	1.46E-05	1.75E-06	2.32E-06	7.66E-06	5.28E-07
6196	469145.32	3819783.89	1.50E-05	6.30E-05	5.67E-06	1.25E-05	4.63E-05	4.07E-06	1.42E-06	8.11E-06	9.68E-07	1.29E-06	4.25E-06	2.93E-07
6197	469141.81	3819774.95	1.46E-05	6.13E-05	5.52E-06	1.22E-05	4.50E-05	3.96E-06	1.38E-06	7.89E-06	9.41E-07	1.25E-06	4.13E-06	2.85E-07
6198	469138.3	3819766.02	1.42E-05	5.96E-05	5.37E-06	1.18E-05	4.38E-05	3.85E-06	1.34E-06	7.67E-06	9.15E-07	1.22E-06	4.02E-06	2.77E-07
6199	469134.79	3819757.08	1.38E-05	5.79E-05	5.22E-06	1.15E-05	4.26E-05	3.74E-06	1.30E-06	7.46E-06	8.90E-07	1.18E-06	3.90E-06	2.69E-07
6200	469131.28	3819748.14	1.34E-05	5.63E-05	5.07E-06	1.12E-05	4.14E-05	3.64E-06	1.27E-06	7.25E-06	8.64E-07	1.15E-06	3.79E-06	2.62E-07
6201	469127.77	3819739.2	1.30E-05	5.47E-05	4.92E-06	1.08E-05	4.02E-05	3.54E-06	1.23E-06	7.04E-06	8.40E-07	1.12E-06	3.69E-06	2.54E-07
6202	469124.26	3819730.26	1.27E-05	5.31E-05	4.78E-06	1.05E-05	3.90E-05	3.43E-06	1.19E-06	6.84E-06	8.16E-07	1.09E-06	3.58E-06	2.47E-07
6203	469120.75	3819721.33	1.23E-05	5.16E-05	4.65E-06	1.02E-05	3.79E-05	3.34E-06	1.16E-06	6.64E-06	7.92E-07	1.05E-06	3.48E-06	2.40E-07
6204	469117.24	3819712.39	1.19E-05	5.01E-05	4.51E-06	9.93E-06	3.68E-05	3.24E-06	1.13E-06	6.45E-06	7.69E-07	1.02E-06	3.38E-06	2.33E-07
6205	469113.73	3819703.45	1.16E-05	4.86E-05	4.38E-06	9.64E-06	3.57E-05	3.14E-06	1.09E-06	6.26E-06	7.47E-07	9.94E-07	3.28E-06	2.26E-07
6206	469110.22	3819694.51	1.12E-05	4.72E-05	4.25E-06	9.35E-06	3.46E-05	3.05E-06	1.06E-06	6.07E-06	7.24E-07	9.64E-07	3.18E-06	2.19E-07
6207	469106.71	3819685.58	1.09E-05	4.57E-05	4.12E-06	9.07E-06	3.36E-05	2.96E-06	1.03E-06	5.89E-06	7.02E-07	9.35E-07	3.08E-06	2.13E-07
6208	469103.2	3819676.64	1.06E-05	4.44E-05	4.00E-06	8.80E-06	3.26E-05	2.87E-06	9.98E-07	5.71E-06	6.82E-07	9.07E-07	2.99E-06	2.06E-07
6209	469099.69	3819667.7	1.03E-05	4.31E-05	3.88E-06	8.55E-06	3.17E-05	2.79E-06	9.69E-07	5.55E-06	6.62E-07	8.81E-07	2.90E-06	2.00E-07
6210	469096.18	3819658.76	9.96E-06	4.18E-05	3.77E-06	8.30E-06	3.07E-05	2.70E-06	9.41E-07	5.39E-06	6.43E-07	8.55E-07	2.82E-06	1.94E-07
6211	469092.67	3819649.82	9.67E-06	4.06E-05	3.66E-06	8.06E-06	2.99E-05	2.63E-06	9.14E-07	5.23E-06	6.24E-07	8.30E-07	2.74E-06	1.89E-07
6212	469089.16	3819640.89	9.40E-06	3.95E-05	3.55E-06	7.83E-06	2.90E-05	2.55E-06	8.87E-07	5.08E-06	6.06E-07	8.07E-07	2.66E-06	1.83E-07

6213	469085.65	3819631.95	9.13E-06	3.83E-05	3.45E-06	7.60E-06	2.82E-05	2.48E-06	8.62E-07	4.93E-06	5.89E-07	7.83E-07	2.58E-06	1.78E-07
6214	469082.14	3819623.01	8.87E-06	3.73E-05	3.35E-06	7.39E-06	2.74E-05	2.41E-06	8.38E-07	4.80E-06	5.72E-07	7.62E-07	2.51E-06	1.73E-07
6215	469078.63	3819614.07	8.62E-06	3.62E-05	3.26E-06	7.18E-06	2.66E-05	2.34E-06	8.14E-07	4.66E-06	5.56E-07	7.40E-07	2.44E-06	1.68E-07
6216	469075.12	3819605.14	8.38E-06	3.52E-05	3.17E-06	6.98E-06	2.59E-05	2.27E-06	7.91E-07	4.53E-06	5.41E-07	7.19E-07	2.37E-06	1.64E-07
6217	469071.61	3819596.2	8.15E-06	3.42E-05	3.08E-06	6.79E-06	2.51E-05	2.21E-06	7.70E-07	4.41E-06	5.26E-07	7.00E-07	2.31E-06	1.59E-07
6218	469068.1	3819587.26	7.93E-06	3.33E-05	3.00E-06	6.60E-06	2.45E-05	2.15E-06	7.49E-07	4.29E-06	5.11E-07	6.81E-07	2.24E-06	1.55E-07
6219	469064.59	3819578.32	7.72E-06	3.24E-05	2.92E-06	6.43E-06	2.38E-05	2.09E-06	7.29E-07	4.17E-06	4.98E-07	6.62E-07	2.18E-06	1.51E-07
6220	469061.08	3819569.38	7.51E-06	3.16E-05	2.84E-06	6.26E-06	2.32E-05	2.04E-06	7.10E-07	4.06E-06	4.85E-07	6.45E-07	2.13E-06	1.47E-07
6221	469057.57	3819560.45	7.32E-06	3.07E-05	2.77E-06	6.09E-06	2.26E-05	1.99E-06	6.91E-07	3.96E-06	4.72E-07	6.28E-07	2.07E-06	1.43E-07
6222	469054.06	3819551.51	7.12E-06	2.99E-05	2.69E-06	5.93E-06	2.20E-05	1.93E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
6223	469050.55	3819542.57	6.94E-06	2.92E-05	2.63E-06	5.78E-06	2.14E-05	1.88E-06	6.56E-07	3.75E-06	4.48E-07	5.96E-07	1.96E-06	1.35E-07
6224	469047.04	3819533.63	6.77E-06	2.84E-05	2.56E-06	5.64E-06	2.09E-05	1.84E-06	6.39E-07	3.66E-06	4.37E-07	5.81E-07	1.92E-06	1.32E-07
6225	469043.53	3819524.7	6.60E-06	2.77E-05	2.50E-06	5.50E-06	2.04E-05	1.79E-06	6.24E-07	3.57E-06	4.26E-07	5.67E-07	1.87E-06	1.29E-07
6226	469040.02	3819515.76	6.44E-06	2.71E-05	2.44E-06	5.37E-06	1.99E-05	1.75E-06	6.08E-07	3.48E-06	4.15E-07	5.53E-07	1.82E-06	1.26E-07
6227	469036.51	3819506.82	6.29E-06	2.64E-05	2.38E-06	5.24E-06	1.94E-05	1.71E-06	5.94E-07	3.40E-06	4.06E-07	5.40E-07	1.78E-06	1.23E-07
6228	469033	3819497.88	6.14E-06	2.58E-05	2.32E-06	5.12E-06	1.90E-05	1.67E-06	5.80E-07	3.32E-06	3.96E-07	5.27E-07	1.74E-06	1.20E-07
6229	469029.49	3819488.94	6.00E-06	2.52E-05	2.27E-06	5.00E-06	1.85E-05	1.63E-06	5.67E-07	3.25E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
6230	469025.98	3819480.01	5.87E-06	2.47E-05	2.22E-06	4.89E-06	1.81E-05	1.59E-06	5.55E-07	3.18E-06	3.79E-07	5.04E-07	1.66E-06	1.15E-07
6231	469022.47	3819471.07	5.74E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.42E-07	3.11E-06	3.70E-07	4.93E-07	1.63E-06	1.12E-07
6232	469018.96	3819462.13	5.62E-06	2.36E-05	2.13E-06	4.68E-06	1.73E-05	1.53E-06	5.31E-07	3.04E-06	3.62E-07	4.82E-07	1.59E-06	1.10E-07
6233	469015.45	3819453.19	5.50E-06	2.31E-05	2.08E-06	4.58E-06	1.70E-05	1.49E-06	5.19E-07	2.97E-06	3.55E-07	4.72E-07	1.56E-06	1.07E-07
6234	469011.94	3819444.26	5.38E-06	2.26E-05	2.04E-06	4.48E-06	1.66E-05	1.46E-06	5.08E-07	2.91E-06	3.47E-07	4.62E-07	1.52E-06	1.05E-07
6235	469008.43	3819435.32	5.27E-06	2.21E-05	1.99E-06	4.39E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
6236	470089.39	3820548.29	5.30E-05	2.23E-04	2.01E-05	4.42E-05	1.64E-04	1.44E-05	5.01E-06	2.87E-05	3.42E-06	4.55E-06	1.50E-05	1.04E-06
6237	470099.09	3820548.43	5.28E-05	2.22E-04	2.00E-05	4.39E-05	1.63E-04	1.43E-05	4.98E-06	2.85E-05	3.40E-06	4.53E-06	1.49E-05	1.03E-06
6238	470108.78	3820548.56	5.24E-05	2.20E-04	1.98E-05	4.37E-05	1.62E-04	1.42E-05	4.95E-06	2.84E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
6239	470118.48	3820548.7	5.21E-05	2.19E-04	1.97E-05	4.34E-05	1.61E-04	1.41E-05	4.92E-06	2.82E-05	3.36E-06	4.47E-06	1.47E-05	1.02E-06
6240	470128.18	3820548.83	5.17E-05	2.17E-04	1.96E-05	4.31E-05	1.60E-04	1.40E-05	4.89E-06	2.80E-05	3.34E-06	4.44E-06	1.46E-05	1.01E-06
6241	470137.87	3820548.97	5.14E-05	2.16E-04	1.94E-05	4.28E-05	1.58E-04	1.39E-05	4.85E-06	2.78E-05	3.31E-06	4.41E-06	1.45E-05	1.00E-06
6242	470147.57	3820549.1	5.10E-05	2.14E-04	1.93E-05	4.24E-05	1.57E-04	1.38E-05	4.81E-06	2.76E-05	3.29E-06	4.38E-06	1.44E-05	9.94E-07
6243	470157.27	3820549.24	5.06E-05	2.12E-04	1.91E-05	4.21E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.26E-06	4.34E-06	1.43E-05	9.86E-07
6244	470166.97	3820549.37	5.01E-05	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.73E-06	2.71E-05	3.23E-06	4.30E-06	1.42E-05	9.78E-07
6245	470176.66	3820549.51	4.97E-05	2.09E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.69E-06	2.69E-05	3.21E-06	4.27E-06	1.41E-05	9.70E-07
6246	470186.36	3820549.64	4.93E-05	2.07E-04	1.86E-05	4.10E-05	1.52E-04	1.34E-05	4.65E-06	2.66E-05	3.18E-06	4.23E-06	1.39E-05	9.61E-07
6247	470196.06	3820549.78	4.88E-05	2.05E-04	1.85E-05	4.07E-05	1.51E-04	1.32E-05	4.61E-06	2.64E-05	3.15E-06	4.19E-06	1.38E-05	9.52E-07
6248	470205.75	3820549.91	4.84E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.57E-06	2.61E-05	3.12E-06	4.15E-06	1.37E-05	9.43E-07
6249	470215.45	3820550.05	4.79E-05	2.01E-04	1.81E-05	3.99E-05	1.48E-04	1.30E-05	4.52E-06	2.59E-05	3.09E-06	4.11E-06	1.36E-05	9.35E-07
6250	470225.15	3820550.18	4.74E-05	1.99E-04	1.79E-05	3.95E-05	1.46E-04	1.29E-05	4.48E-06	2.56E-05	3.06E-06	4.07E-06	1.34E-05	9.26E-07
6251	470234.85	3820550.32	4.70E-05	1.97E-04	1.78E-05	3.91E-05	1.45E-04	1.28E-05	4.44E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.17E-07
6252	470244.54	3820550.45	4.65E-05	1.95E-04	1.76E-05	3.88E-05	1.44E-04	1.26E-05	4.40E-06	2.52E-05	3.00E-06	4.00E-06	1.32E-05	9.08E-07
6253	470254.24	3820550.59	4.61E-05	1.94E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.96E-06	1.31E-05	9.00E-07
6254	470263.94	3820550.72	4.57E-05	1.92E-04	1.73E-05	3.80E-05	1.41E-04	1.24E-05	4.31E-06	2.47E-05	2.95E-06	3.92E-06	1.29E-05	8.91E-07

6255	470079.42	3820624.46	4.78E-05	2.01E-04	1.81E-05	3.98E-05	1.47E-04	1.30E-05	4.51E-06	2.58E-05	3.08E-06	4.10E-06	1.35E-05	9.32E-07
6256	470070.57	3820620.63	4.82E-05	2.02E-04	1.82E-05	4.02E-05	1.49E-04	1.31E-05	4.55E-06	2.61E-05	3.11E-06	4.14E-06	1.36E-05	9.41E-07
6257	470061.72	3820616.8	4.87E-05	2.04E-04	1.84E-05	4.05E-05	1.50E-04	1.32E-05	4.59E-06	2.63E-05	3.14E-06	4.18E-06	1.38E-05	9.49E-07
6258	470052.87	3820612.98	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.17E-06	4.21E-06	1.39E-05	9.58E-07
6259	470044.02	3820609.15	4.95E-05	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.68E-05	3.19E-06	4.25E-06	1.40E-05	9.66E-07
6260	470035.17	3820605.32	4.99E-05	2.09E-04	1.89E-05	4.15E-05	1.54E-04	1.35E-05	4.71E-06	2.70E-05	3.22E-06	4.28E-06	1.41E-05	9.73E-07
6261	470026.32	3820601.49	5.02E-05	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.74E-06	2.72E-05	3.24E-06	4.31E-06	1.42E-05	9.80E-07
6262	470017.47	3820597.67	5.06E-05	2.12E-04	1.91E-05	4.21E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.26E-06	4.34E-06	1.43E-05	9.87E-07
6263	470008.61	3820593.84	5.09E-05	2.14E-04	1.92E-05	4.24E-05	1.57E-04	1.38E-05	4.81E-06	2.75E-05	3.28E-06	4.37E-06	1.44E-05	9.93E-07
6264	469999.76	3820590.01	5.12E-05	2.15E-04	1.94E-05	4.26E-05	1.58E-04	1.39E-05	4.83E-06	2.77E-05	3.30E-06	4.39E-06	1.45E-05	9.99E-07
6265	469990.91	3820586.18	5.15E-05	2.16E-04	1.95E-05	4.29E-05	1.59E-04	1.40E-05	4.86E-06	2.78E-05	3.32E-06	4.42E-06	1.46E-05	1.00E-06
6266	469982.06	3820582.36	5.17E-05	2.17E-04	1.95E-05	4.31E-05	1.60E-04	1.40E-05	4.88E-06	2.79E-05	3.33E-06	4.44E-06	1.46E-05	1.01E-06
6267	469973.21	3820578.53	5.19E-05	2.18E-04	1.96E-05	4.32E-05	1.60E-04	1.41E-05	4.90E-06	2.81E-05	3.35E-06	4.46E-06	1.47E-05	1.01E-06
6268	469964.36	3820574.7	5.21E-05	2.19E-04	1.97E-05	4.34E-05	1.61E-04	1.41E-05	4.92E-06	2.82E-05	3.36E-06	4.47E-06	1.47E-05	1.02E-06
6269	469955.51	3820570.87	5.22E-05	2.19E-04	1.97E-05	4.35E-05	1.61E-04	1.42E-05	4.93E-06	2.82E-05	3.37E-06	4.48E-06	1.48E-05	1.02E-06
6270	469946.66	3820567.05	5.23E-05	2.20E-04	1.98E-05	4.36E-05	1.61E-04	1.42E-05	4.94E-06	2.83E-05	3.38E-06	4.49E-06	1.48E-05	1.02E-06
6271	469937.81	3820563.22	5.24E-05	2.20E-04	1.98E-05	4.37E-05	1.62E-04	1.42E-05	4.95E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
6272	469928.96	3820559.39	5.25E-05	2.20E-04	1.98E-05	4.37E-05	1.62E-04	1.42E-05	4.96E-06	2.84E-05	3.38E-06	4.50E-06	1.49E-05	1.02E-06
6273	469920.1	3820555.56	5.25E-05	2.20E-04	1.99E-05	4.37E-05	1.62E-04	1.42E-05	4.96E-06	2.84E-05	3.39E-06	4.51E-06	1.49E-05	1.02E-06
6274	469911.25	3820551.74	5.25E-05	2.20E-04	1.98E-05	4.37E-05	1.62E-04	1.42E-05	4.96E-06	2.84E-05	3.39E-06	4.51E-06	1.49E-05	1.02E-06
6275	469902.4	3820547.91	5.24E-05	2.20E-04	1.98E-05	4.37E-05	1.62E-04	1.42E-05	4.95E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
6276	469893.55	3820544.08	5.24E-05	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.94E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
6277	469884.7	3820540.25	5.23E-05	2.19E-04	1.98E-05	4.35E-05	1.61E-04	1.42E-05	4.93E-06	2.83E-05	3.37E-06	4.49E-06	1.48E-05	1.02E-06
6278	469875.85	3820536.43	5.21E-05	2.19E-04	1.97E-05	4.34E-05	1.61E-04	1.41E-05	4.92E-06	2.82E-05	3.36E-06	4.47E-06	1.48E-05	1.02E-06
6279	469867	3820532.6	5.20E-05	2.18E-04	1.96E-05	4.33E-05	1.60E-04	1.41E-05	4.91E-06	2.81E-05	3.35E-06	4.46E-06	1.47E-05	1.01E-06
6280	469858.15	3820528.77	5.18E-05	2.17E-04	1.96E-05	4.31E-05	1.60E-04	1.41E-05	4.89E-06	2.80E-05	3.34E-06	4.44E-06	1.47E-05	1.01E-06
6281	469849.3	3820524.94	5.15E-05	2.16E-04	1.95E-05	4.29E-05	1.59E-04	1.40E-05	4.87E-06	2.79E-05	3.32E-06	4.42E-06	1.46E-05	1.01E-06
6282	469840.44	3820521.12	5.13E-05	2.15E-04	1.94E-05	4.27E-05	1.58E-04	1.39E-05	4.84E-06	2.77E-05	3.31E-06	4.40E-06	1.45E-05	1.00E-06
6283	469831.59	3820517.29	5.11E-05	2.14E-04	1.93E-05	4.25E-05	1.58E-04	1.39E-05	4.82E-06	2.76E-05	3.29E-06	4.38E-06	1.45E-05	9.96E-07
6284	469822.74	3820513.46	5.08E-05	2.13E-04	1.92E-05	4.23E-05	1.57E-04	1.38E-05	4.79E-06	2.74E-05	3.27E-06	4.36E-06	1.44E-05	9.91E-07
6285	469813.89	3820509.64	5.05E-05	2.12E-04	1.91E-05	4.20E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.26E-06	4.33E-06	1.43E-05	9.85E-07
6286	469805.04	3820505.81	5.02E-05	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.74E-06	2.71E-05	3.23E-06	4.31E-06	1.42E-05	9.79E-07
6287	469796.19	3820501.98	4.98E-05	2.09E-04	1.88E-05	4.15E-05	1.54E-04	1.35E-05	4.70E-06	2.69E-05	3.21E-06	4.28E-06	1.41E-05	9.72E-07
6288	469787.34	3820498.15	4.95E-05	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.67E-05	3.19E-06	4.25E-06	1.40E-05	9.65E-07
6289	469778.49	3820494.33	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.52E-04	1.33E-05	4.64E-06	2.65E-05	3.17E-06	4.21E-06	1.39E-05	9.58E-07
6290	469769.64	3820490.5	4.87E-05	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.60E-06	2.63E-05	3.14E-06	4.18E-06	1.38E-05	9.51E-07
6291	469760.79	3820486.67	4.83E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.56E-06	2.61E-05	3.12E-06	4.15E-06	1.37E-05	9.43E-07
6292	469751.93	3820482.84	4.79E-05	2.01E-04	1.81E-05	3.99E-05	1.48E-04	1.30E-05	4.53E-06	2.59E-05	3.09E-06	4.12E-06	1.36E-05	9.35E-07
6293	469743.08	3820479.02	4.75E-05	2.00E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.49E-06	2.57E-05	3.07E-06	4.08E-06	1.35E-05	9.28E-07
6294	469734.23	3820475.19	4.71E-05	1.98E-04	1.78E-05	3.93E-05	1.45E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.05E-06	1.33E-05	9.20E-07
6295	469725.38	3820471.36	4.67E-05	1.96E-04	1.77E-05	3.89E-05	1.44E-04	1.27E-05	4.41E-06	2.53E-05	3.01E-06	4.01E-06	1.32E-05	9.12E-07
6296	469716.53	3820467.53	4.63E-05	1.94E-04	1.75E-05	3.86E-05	1.43E-04	1.26E-05	4.37E-06	2.50E-05	2.99E-06	3.97E-06	1.31E-05	9.03E-07

6297	469707.68	3820463.71	4.59E-05	1.93E-04	1.74E-05	3.82E-05	1.42E-04	1.25E-05	4.33E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.95E-07
6298	469698.83	3820459.88	4.55E-05	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.23E-05	4.29E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.87E-07
6299	469610.32	3820421.6	4.15E-05	1.74E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.92E-06	2.24E-05	2.68E-06	3.56E-06	1.18E-05	8.10E-07
6300	469601.47	3820417.78	4.12E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.03E-07
6301	469592.62	3820413.95	4.08E-05	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.21E-05	2.63E-06	3.50E-06	1.15E-05	7.96E-07
6302	469583.76	3820410.12	4.04E-05	1.70E-04	1.53E-05	3.37E-05	1.25E-04	1.10E-05	3.82E-06	2.19E-05	2.61E-06	3.47E-06	1.14E-05	7.89E-07
6303	469574.91	3820406.29	4.01E-05	1.68E-04	1.52E-05	3.34E-05	1.24E-04	1.09E-05	3.79E-06	2.17E-05	2.59E-06	3.44E-06	1.14E-05	7.82E-07
6304	469566.06	3820402.47	3.98E-05	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.75E-06	2.15E-05	2.56E-06	3.41E-06	1.13E-05	7.76E-07
6305	469557.21	3820398.64	3.94E-05	1.66E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.39E-06	1.12E-05	7.69E-07
6306	469548.36	3820394.81	3.91E-05	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.36E-06	1.11E-05	7.63E-07
6307	469539.51	3820390.98	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
6308	469530.66	3820387.16	3.85E-05	1.62E-04	1.46E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.51E-07
6309	469521.81	3820383.33	3.82E-05	1.60E-04	1.44E-05	3.18E-05	1.18E-04	1.04E-05	3.60E-06	2.06E-05	2.46E-06	3.28E-06	1.08E-05	7.45E-07
6310	469512.96	3820379.5	3.79E-05	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.44E-06	3.25E-06	1.07E-05	7.39E-07
6311	469504.1	3820375.67	3.76E-05	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.33E-07
6312	469495.25	3820371.85	3.73E-05	1.57E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.52E-06	2.01E-05	2.40E-06	3.20E-06	1.05E-05	7.27E-07
6313	469486.4	3820368.02	3.70E-05	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.49E-06	2.00E-05	2.38E-06	3.17E-06	1.05E-05	7.21E-07
6314	469477.55	3820364.19	3.67E-05	1.54E-04	1.39E-05	3.05E-05	1.13E-04	9.96E-06	3.46E-06	1.98E-05	2.37E-06	3.15E-06	1.04E-05	7.16E-07
6315	469468.7	3820360.37	3.64E-05	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.88E-06	3.44E-06	1.97E-05	2.35E-06	3.12E-06	1.03E-05	7.10E-07
6316	469459.85	3820356.54	3.61E-05	1.52E-04	1.36E-05	3.01E-05	1.11E-04	9.80E-06	3.41E-06	1.95E-05	2.33E-06	3.10E-06	1.02E-05	7.04E-07
6317	469451	3820352.71	3.58E-05	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.72E-06	3.38E-06	1.94E-05	2.31E-06	3.07E-06	1.01E-05	6.98E-07
6318	469442.15	3820348.88	3.55E-05	1.49E-04	1.34E-05	2.96E-05	1.10E-04	9.64E-06	3.35E-06	1.92E-05	2.29E-06	3.05E-06	1.00E-05	6.93E-07
6319	469433.3	3820345.06	3.52E-05	1.48E-04	1.33E-05	2.93E-05	1.09E-04	9.56E-06	3.32E-06	1.90E-05	2.27E-06	3.02E-06	9.96E-06	6.87E-07
6320	469424.45	3820341.23	3.49E-05	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.48E-06	3.30E-06	1.89E-05	2.25E-06	3.00E-06	9.88E-06	6.81E-07
6321	469415.59	3820337.4	3.46E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.39E-06	3.27E-06	1.87E-05	2.23E-06	2.97E-06	9.80E-06	6.75E-07
6322	469406.74	3820333.57	3.43E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.31E-06	3.24E-06	1.85E-05	2.21E-06	2.94E-06	9.71E-06	6.69E-07
6323	469397.89	3820329.75	3.40E-05	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.23E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.62E-06	6.63E-07
6324	469389.04	3820325.92	3.37E-05	1.42E-04	1.27E-05	2.81E-05	1.04E-04	9.15E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.54E-06	6.57E-07
6325	469380.19	3820322.09	3.34E-05	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.06E-06	3.15E-06	1.80E-05	2.15E-06	2.87E-06	9.45E-06	6.51E-07
6326	469371.34	3820318.26	3.31E-05	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.98E-06	3.12E-06	1.79E-05	2.13E-06	2.84E-06	9.36E-06	6.45E-07
6327	469362.49	3820314.44	3.27E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.89E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.27E-06	6.39E-07
6328	469353.64	3820310.61	3.24E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.18E-06	6.33E-07
6329	469344.79	3820306.78	3.21E-05	1.35E-04	1.21E-05	2.67E-05	9.90E-05	8.71E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.08E-06	6.26E-07
6330	469335.93	3820302.95	3.18E-05	1.33E-04	1.20E-05	2.64E-05	9.80E-05	8.62E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	8.99E-06	6.20E-07
6331	469327.08	3820299.13	3.14E-05	1.32E-04	1.19E-05	2.62E-05	9.69E-05	8.53E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.89E-06	6.13E-07
6332	469318.23	3820295.3	3.11E-05	1.30E-04	1.17E-05	2.59E-05	9.59E-05	8.43E-06	2.93E-06	1.68E-05	2.00E-06	2.67E-06	8.79E-06	6.06E-07
6333	469309.38	3820291.47	3.07E-05	1.29E-04	1.16E-05	2.56E-05	9.48E-05	8.34E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.70E-06	5.99E-07
6334	469300.53	3820287.64	3.04E-05	1.28E-04	1.15E-05	2.53E-05	9.37E-05	8.24E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.60E-06	5.92E-07
6335	469291.68	3820283.82	3.00E-05	1.26E-04	1.13E-05	2.50E-05	9.26E-05	8.15E-06	2.83E-06	1.62E-05	1.94E-06	2.58E-06	8.49E-06	5.86E-07
6336	469265.13	3820272.33	2.89E-05	1.21E-04	1.09E-05	2.41E-05	8.92E-05	7.85E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.18E-06	5.64E-07
6337	469252.75	3820259.53	2.84E-05	1.19E-04	1.08E-05	2.37E-05	8.77E-05	7.72E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
6338	469249.23	3820250.56	2.83E-05	1.19E-04	1.07E-05	2.36E-05	8.74E-05	7.69E-06	2.67E-06	1.53E-05	1.83E-06	2.43E-06	8.02E-06	5.53E-07

6339	469245.7	3820241.58	2.82E-05	1.18E-04	1.07E-05	2.35E-05	8.70E-05	7.65E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
6340	469242.18	3820232.6	2.81E-05	1.18E-04	1.06E-05	2.34E-05	8.66E-05	7.62E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.94E-06	5.48E-07
6341	469238.65	3820223.63	2.79E-05	1.17E-04	1.06E-05	2.33E-05	8.62E-05	7.58E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.90E-06	5.45E-07
6342	469235.13	3820214.65	2.78E-05	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
6343	469231.6	3820205.68	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.52E-05	7.49E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.81E-06	5.38E-07
6344	469228.08	3820196.7	2.74E-05	1.15E-04	1.04E-05	2.28E-05	8.46E-05	7.44E-06	2.59E-06	1.48E-05	1.77E-06	2.35E-06	7.76E-06	5.35E-07
6345	469224.55	3820187.72	2.72E-05	1.14E-04	1.03E-05	2.27E-05	8.40E-05	7.39E-06	2.57E-06	1.47E-05	1.76E-06	2.34E-06	7.71E-06	5.31E-07
6346	469221.03	3820178.75	2.70E-05	1.14E-04	1.02E-05	2.25E-05	8.34E-05	7.34E-06	2.55E-06	1.46E-05	1.74E-06	2.32E-06	7.65E-06	5.28E-07
6347	469217.5	3820169.77	2.68E-05	1.13E-04	1.01E-05	2.23E-05	8.28E-05	7.28E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.59E-06	5.23E-07
6348	469213.98	3820160.8	2.66E-05	1.12E-04	1.01E-05	2.22E-05	8.21E-05	7.22E-06	2.51E-06	1.44E-05	1.72E-06	2.28E-06	7.53E-06	5.19E-07
6349	469210.45	3820151.82	2.64E-05	1.11E-04	9.98E-06	2.20E-05	8.14E-05	7.16E-06	2.49E-06	1.43E-05	1.70E-06	2.26E-06	7.47E-06	5.15E-07
6350	469206.93	3820142.85	2.61E-05	1.10E-04	9.89E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.24E-06	7.40E-06	5.10E-07
6351	469203.4	3820133.87	2.59E-05	1.09E-04	9.79E-06	2.16E-05	7.99E-05	7.03E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.33E-06	5.05E-07
6352	469199.88	3820124.89	2.56E-05	1.08E-04	9.69E-06	2.13E-05	7.91E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.25E-06	5.00E-07
6353	469196.35	3820115.92	2.54E-05	1.06E-04	9.59E-06	2.11E-05	7.82E-05	6.88E-06	2.39E-06	1.37E-05	1.64E-06	2.18E-06	7.18E-06	4.95E-07
6354	469192.83	3820106.94	2.51E-05	1.05E-04	9.48E-06	2.09E-05	7.74E-05	6.81E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.89E-07
6355	469189.3	3820097.97	2.48E-05	1.04E-04	9.37E-06	2.06E-05	7.65E-05	6.73E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.02E-06	4.84E-07
6356	469185.78	3820088.99	2.45E-05	1.03E-04	9.26E-06	2.04E-05	7.56E-05	6.65E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.93E-06	4.78E-07
6357	469182.25	3820080.01	2.42E-05	1.02E-04	9.15E-06	2.01E-05	7.46E-05	6.57E-06	2.28E-06	1.31E-05	1.56E-06	2.08E-06	6.85E-06	4.72E-07
6358	469178.73	3820071.04	2.39E-05	1.00E-04	9.03E-06	1.99E-05	7.37E-05	6.48E-06	2.25E-06	1.29E-05	1.54E-06	2.05E-06	6.76E-06	4.66E-07
6359	469175.2	3820062.06	2.36E-05	9.89E-05	8.91E-06	1.96E-05	7.27E-05	6.39E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.67E-06	4.60E-07
6360	469083.56	3819828.69	1.39E-05	5.84E-05	5.26E-06	1.16E-05	4.29E-05	3.77E-06	1.31E-06	7.51E-06	8.96E-07	1.19E-06	3.93E-06	2.71E-07
6361	469080.03	3819819.71	1.35E-05	5.68E-05	5.12E-06	1.13E-05	4.18E-05	3.67E-06	1.28E-06	7.32E-06	8.73E-07	1.16E-06	3.83E-06	2.64E-07
6362	469076.51	3819810.74	1.32E-05	5.54E-05	4.99E-06	1.10E-05	4.07E-05	3.58E-06	1.25E-06	7.13E-06	8.50E-07	1.13E-06	3.73E-06	2.57E-07
6363	469072.98	3819801.76	1.28E-05	5.39E-05	4.85E-06	1.07E-05	3.96E-05	3.48E-06	1.21E-06	6.94E-06	8.28E-07	1.10E-06	3.63E-06	2.50E-07
6364	469069.46	3819792.79	1.25E-05	5.25E-05	4.72E-06	1.04E-05	3.86E-05	3.39E-06	1.18E-06	6.75E-06	8.06E-07	1.07E-06	3.54E-06	2.44E-07
6365	469065.93	3819783.81	1.22E-05	5.11E-05	4.60E-06	1.01E-05	3.75E-05	3.30E-06	1.15E-06	6.57E-06	7.84E-07	1.04E-06	3.44E-06	2.37E-07
6366	469062.41	3819774.84	1.18E-05	4.97E-05	4.47E-06	9.85E-06	3.65E-05	3.21E-06	1.12E-06	6.39E-06	7.63E-07	1.02E-06	3.35E-06	2.31E-07
6367	469058.88	3819765.86	1.15E-05	4.83E-05	4.35E-06	9.58E-06	3.55E-05	3.12E-06	1.09E-06	6.22E-06	7.42E-07	9.88E-07	3.26E-06	2.25E-07
6368	469055.36	3819756.88	1.12E-05	4.70E-05	4.23E-06	9.32E-06	3.45E-05	3.04E-06	1.06E-06	6.05E-06	7.22E-07	9.61E-07	3.17E-06	2.18E-07
6369	469051.83	3819747.91	1.09E-05	4.57E-05	4.11E-06	9.06E-06	3.36E-05	2.95E-06	1.03E-06	5.88E-06	7.02E-07	9.34E-07	3.08E-06	2.12E-07
6370	469048.31	3819738.93	1.06E-05	4.44E-05	4.00E-06	8.80E-06	3.26E-05	2.87E-06	9.98E-07	5.71E-06	6.82E-07	9.07E-07	2.99E-06	2.06E-07
6371	469044.78	3819729.96	1.03E-05	4.31E-05	3.88E-06	8.56E-06	3.17E-05	2.79E-06	9.70E-07	5.55E-06	6.62E-07	8.82E-07	2.91E-06	2.00E-07
6372	469041.26	3819720.98	9.98E-06	4.19E-05	3.77E-06	8.31E-06	3.08E-05	2.71E-06	9.42E-07	5.39E-06	6.44E-07	8.57E-07	2.82E-06	1.95E-07
6373	469037.73	3819712	9.69E-06	4.07E-05	3.67E-06	8.07E-06	2.99E-05	2.63E-06	9.15E-07	5.24E-06	6.25E-07	8.32E-07	2.74E-06	1.89E-07
6374	469034.21	3819703.03	9.42E-06	3.96E-05	3.56E-06	7.85E-06	2.91E-05	2.56E-06	8.90E-07	5.09E-06	6.08E-07	8.09E-07	2.67E-06	1.84E-07
6375	469030.68	3819694.05	9.16E-06	3.85E-05	3.46E-06	7.63E-06	2.83E-05	2.49E-06	8.65E-07	4.95E-06	5.91E-07	7.86E-07	2.59E-06	1.79E-07
6376	469027.16	3819685.08	8.90E-06	3.74E-05	3.37E-06	7.42E-06	2.75E-05	2.42E-06	8.41E-07	4.81E-06	5.74E-07	7.64E-07	2.52E-06	1.74E-07
6377	469023.63	3819676.1	8.66E-06	3.64E-05	3.27E-06	7.21E-06	2.67E-05	2.35E-06	8.18E-07	4.68E-06	5.59E-07	7.43E-07	2.45E-06	1.69E-07
6378	469020.11	3819667.13	8.42E-06	3.54E-05	3.18E-06	7.01E-06	2.60E-05	2.29E-06	7.95E-07	4.55E-06	5.43E-07	7.23E-07	2.38E-06	1.64E-07
6379	469016.58	3819658.15	8.19E-06	3.44E-05	3.10E-06	6.82E-06	2.53E-05	2.22E-06	7.73E-07	4.43E-06	5.28E-07	7.03E-07	2.32E-06	1.60E-07
6380	469013.06	3819649.17	7.97E-06	3.35E-05	3.01E-06	6.64E-06	2.46E-05	2.16E-06	7.52E-07	4.31E-06	5.14E-07	6.84E-07	2.25E-06	1.55E-07

6381	469009.53	3819640.2	7.75E-06	3.25E-05	2.93E-06	6.45E-06	2.39E-05	2.10E-06	7.31E-07	4.19E-06	5.00E-07	6.65E-07	2.19E-06	1.51E-07
6382	469006.01	3819631.22	7.53E-06	3.16E-05	2.85E-06	6.27E-06	2.32E-05	2.04E-06	7.11E-07	4.07E-06	4.86E-07	6.47E-07	2.13E-06	1.47E-07
6383	469002.48	3819622.25	7.33E-06	3.08E-05	2.77E-06	6.10E-06	2.26E-05	1.99E-06	6.92E-07	3.96E-06	4.73E-07	6.29E-07	2.07E-06	1.43E-07
6384	468998.96	3819613.27	7.13E-06	2.99E-05	2.70E-06	5.94E-06	2.20E-05	1.94E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
6385	468995.43	3819604.29	6.94E-06	2.92E-05	2.63E-06	5.78E-06	2.14E-05	1.88E-06	6.56E-07	3.75E-06	4.48E-07	5.96E-07	1.96E-06	1.35E-07
6386	468991.91	3819595.32	6.77E-06	2.84E-05	2.56E-06	5.64E-06	2.09E-05	1.84E-06	6.39E-07	3.66E-06	4.37E-07	5.81E-07	1.92E-06	1.32E-07
6387	468988.38	3819586.34	6.60E-06	2.77E-05	2.49E-06	5.49E-06	2.04E-05	1.79E-06	6.23E-07	3.57E-06	4.25E-07	5.66E-07	1.87E-06	1.29E-07
6388	468984.86	3819577.37	6.43E-06	2.70E-05	2.43E-06	5.36E-06	1.98E-05	1.75E-06	6.07E-07	3.48E-06	4.15E-07	5.52E-07	1.82E-06	1.25E-07
6389	468981.33	3819568.39	6.28E-06	2.64E-05	2.37E-06	5.23E-06	1.94E-05	1.70E-06	5.93E-07	3.39E-06	4.05E-07	5.39E-07	1.78E-06	1.22E-07
6390	468977.81	3819559.42	6.12E-06	2.57E-05	2.32E-06	5.10E-06	1.89E-05	1.66E-06	5.78E-07	3.31E-06	3.95E-07	5.26E-07	1.73E-06	1.19E-07
6391	468974.28	3819550.44	5.98E-06	2.51E-05	2.26E-06	4.98E-06	1.85E-05	1.62E-06	5.65E-07	3.23E-06	3.86E-07	5.13E-07	1.69E-06	1.17E-07
6392	468970.76	3819541.46	5.84E-06	2.45E-05	2.21E-06	4.87E-06	1.80E-05	1.59E-06	5.52E-07	3.16E-06	3.77E-07	5.02E-07	1.65E-06	1.14E-07
6393	468967.24	3819532.49	5.71E-06	2.40E-05	2.16E-06	4.76E-06	1.76E-05	1.55E-06	5.39E-07	3.09E-06	3.68E-07	4.90E-07	1.62E-06	1.11E-07
6394	468963.71	3819523.51	5.58E-06	2.34E-05	2.11E-06	4.65E-06	1.72E-05	1.51E-06	5.27E-07	3.02E-06	3.60E-07	4.79E-07	1.58E-06	1.09E-07
6395	468960.19	3819514.54	5.46E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.15E-07	2.95E-06	3.52E-07	4.68E-07	1.54E-06	1.06E-07
6396	468956.66	3819505.56	5.33E-06	2.24E-05	2.02E-06	4.44E-06	1.65E-05	1.45E-06	5.04E-07	2.88E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
6397	468953.14	3819496.58	5.22E-06	2.19E-05	1.97E-06	4.35E-06	1.61E-05	1.42E-06	4.93E-07	2.82E-06	3.37E-07	4.48E-07	1.48E-06	1.02E-07
6398	468949.61	3819487.61	5.11E-06	2.15E-05	1.93E-06	4.26E-06	1.58E-05	1.39E-06	4.83E-07	2.76E-06	3.30E-07	4.39E-07	1.45E-06	9.98E-08
6399	468946.09	3819478.63	5.01E-06	2.10E-05	1.89E-06	4.17E-06	1.55E-05	1.36E-06	4.73E-07	2.71E-06	3.23E-07	4.30E-07	1.42E-06	9.77E-08
6400	468942.56	3819469.66	4.91E-06	2.06E-05	1.86E-06	4.09E-06	1.52E-05	1.33E-06	4.64E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.58E-08
6401	468939.04	3819460.68	4.64E-06	1.95E-05	1.76E-06	3.87E-06	1.43E-05	1.26E-06	4.38E-07	2.51E-06	2.99E-07	3.99E-07	1.31E-06	9.06E-08
6402	468935.51	3819451.71	4.57E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.92E-07	1.29E-06	8.92E-08
6403	468931.99	3819442.73	4.51E-06	1.89E-05	1.70E-06	3.75E-06	1.39E-05	1.22E-06	4.26E-07	2.44E-06	2.91E-07	3.87E-07	1.28E-06	8.80E-08
6404	468928.46	3819433.75	4.45E-06	1.87E-05	1.68E-06	3.70E-06	1.37E-05	1.21E-06	4.20E-07	2.40E-06	2.87E-07	3.82E-07	1.26E-06	8.67E-08
6405	470088.27	3820628.29	4.73E-05	1.98E-04	1.79E-05	3.94E-05	1.46E-04	1.28E-05	4.46E-06	2.55E-05	3.05E-06	4.06E-06	1.34E-05	9.22E-07
6406	470097.97	3820628.42	4.70E-05	1.97E-04	1.78E-05	3.91E-05	1.45E-04	1.28E-05	4.44E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.17E-07
6407	470107.67	3820628.56	4.67E-05	1.96E-04	1.76E-05	3.89E-05	1.44E-04	1.27E-05	4.41E-06	2.52E-05	3.01E-06	4.01E-06	1.32E-05	9.10E-07
6408	470117.37	3820628.69	4.63E-05	1.95E-04	1.75E-05	3.86E-05	1.43E-04	1.26E-05	4.38E-06	2.51E-05	2.99E-06	3.98E-06	1.31E-05	9.04E-07
6409	470127.06	3820628.83	4.60E-05	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.95E-06	1.30E-05	8.98E-07
6410	470136.76	3820628.96	4.57E-05	1.92E-04	1.73E-05	3.80E-05	1.41E-04	1.24E-05	4.31E-06	2.47E-05	2.95E-06	3.92E-06	1.29E-05	8.91E-07
6411	470146.46	3820629.1	4.53E-05	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.92E-06	3.89E-06	1.28E-05	8.84E-07
6412	470156.15	3820629.23	4.50E-05	1.89E-04	1.70E-05	3.74E-05	1.39E-04	1.22E-05	4.25E-06	2.43E-05	2.90E-06	3.86E-06	1.27E-05	8.77E-07
6413	470165.85	3820629.37	4.46E-05	1.87E-04	1.69E-05	3.71E-05	1.38E-04	1.21E-05	4.21E-06	2.41E-05	2.88E-06	3.83E-06	1.26E-05	8.70E-07
6414	470175.55	3820629.5	4.42E-05	1.86E-04	1.67E-05	3.68E-05	1.36E-04	1.20E-05	4.17E-06	2.39E-05	2.85E-06	3.79E-06	1.25E-05	8.62E-07
6415	470185.25	3820629.64	4.38E-05	1.84E-04	1.66E-05	3.65E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.76E-06	1.24E-05	8.55E-07
6416	470194.94	3820629.77	4.34E-05	1.82E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.47E-07
6417	470204.64	3820629.91	4.30E-05	1.81E-04	1.63E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.33E-05	2.78E-06	3.69E-06	1.22E-05	8.40E-07
6418	470214.34	3820630.04	4.26E-05	1.79E-04	1.61E-05	3.55E-05	1.32E-04	1.16E-05	4.03E-06	2.30E-05	2.75E-06	3.66E-06	1.21E-05	8.32E-07
6419	470224.04	3820630.18	4.22E-05	1.77E-04	1.60E-05	3.52E-05	1.30E-04	1.15E-05	3.99E-06	2.28E-05	2.72E-06	3.63E-06	1.20E-05	8.24E-07
6420	470233.73	3820630.31	4.18E-05	1.76E-04	1.58E-05	3.49E-05	1.29E-04	1.14E-05	3.95E-06	2.26E-05	2.70E-06	3.59E-06	1.18E-05	8.17E-07
6421	470243.43	3820630.45	4.15E-05	1.74E-04	1.57E-05	3.45E-05	1.28E-04	1.13E-05	3.92E-06	2.24E-05	2.67E-06	3.56E-06	1.17E-05	8.09E-07
6422	470253.13	3820630.58	4.11E-05	1.73E-04	1.55E-05	3.42E-05	1.27E-04	1.12E-05	3.88E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.02E-07

6423	470262.82	3820630.72	4.07E-05	1.71E-04	1.54E-05	3.39E-05	1.26E-04	1.11E-05	3.84E-06	2.20E-05	2.63E-06	3.49E-06	1.15E-05	7.94E-07
6424	470078.28	3820704.44	4.29E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.76E-06	3.68E-06	1.21E-05	8.36E-07
6425	470069.39	3820700.59	4.33E-05	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.09E-06	2.34E-05	2.79E-06	3.72E-06	1.23E-05	8.45E-07
6426	470060.51	3820696.75	4.37E-05	1.84E-04	1.65E-05	3.64E-05	1.35E-04	1.19E-05	4.13E-06	2.36E-05	2.82E-06	3.75E-06	1.24E-05	8.53E-07
6427	470051.62	3820692.91	4.41E-05	1.85E-04	1.67E-05	3.67E-05	1.36E-04	1.20E-05	4.17E-06	2.38E-05	2.85E-06	3.79E-06	1.25E-05	8.61E-07
6428	470042.74	3820689.07	4.45E-05	1.87E-04	1.68E-05	3.70E-05	1.37E-04	1.21E-05	4.20E-06	2.40E-05	2.87E-06	3.82E-06	1.26E-05	8.68E-07
6429	470033.86	3820685.23	4.48E-05	1.88E-04	1.70E-05	3.73E-05	1.38E-04	1.22E-05	4.23E-06	2.42E-05	2.89E-06	3.85E-06	1.27E-05	8.75E-07
6430	470024.97	3820681.39	4.52E-05	1.90E-04	1.71E-05	3.76E-05	1.39E-04	1.23E-05	4.27E-06	2.44E-05	2.91E-06	3.88E-06	1.28E-05	8.81E-07
6431	470016.09	3820677.54	4.55E-05	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.23E-05	4.30E-06	2.46E-05	2.93E-06	3.91E-06	1.29E-05	8.88E-07
6432	470007.2	3820673.7	4.58E-05	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.32E-06	2.48E-05	2.95E-06	3.93E-06	1.30E-05	8.94E-07
6433	469998.32	3820669.86	4.61E-05	1.94E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.96E-06	1.30E-05	8.99E-07
6434	469989.44	3820666.02	4.63E-05	1.95E-04	1.75E-05	3.86E-05	1.43E-04	1.26E-05	4.38E-06	2.51E-05	2.99E-06	3.98E-06	1.31E-05	9.04E-07
6435	469980.55	3820662.18	4.66E-05	1.96E-04	1.76E-05	3.88E-05	1.44E-04	1.26E-05	4.40E-06	2.52E-05	3.00E-06	4.00E-06	1.32E-05	9.09E-07
6436	469971.67	3820658.34	4.68E-05	1.96E-04	1.77E-05	3.90E-05	1.44E-04	1.27E-05	4.42E-06	2.53E-05	3.02E-06	4.02E-06	1.32E-05	9.13E-07
6437	469962.78	3820654.49	4.70E-05	1.97E-04	1.78E-05	3.91E-05	1.45E-04	1.27E-05	4.43E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.16E-07
6438	469953.9	3820650.65	4.71E-05	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.04E-06	1.33E-05	9.19E-07
6439	469945.02	3820646.81	4.72E-05	1.98E-04	1.79E-05	3.93E-05	1.46E-04	1.28E-05	4.46E-06	2.55E-05	3.05E-06	4.06E-06	1.34E-05	9.22E-07
6440	469936.13	3820642.97	4.73E-05	1.99E-04	1.79E-05	3.94E-05	1.46E-04	1.29E-05	4.47E-06	2.56E-05	3.05E-06	4.06E-06	1.34E-05	9.24E-07
6441	469927.25	3820639.13	4.74E-05	1.99E-04	1.79E-05	3.95E-05	1.46E-04	1.29E-05	4.48E-06	2.56E-05	3.06E-06	4.07E-06	1.34E-05	9.25E-07
6442	469918.36	3820635.29	4.75E-05	1.99E-04	1.80E-05	3.95E-05	1.46E-04	1.29E-05	4.48E-06	2.57E-05	3.06E-06	4.07E-06	1.34E-05	9.26E-07
6443	469909.48	3820631.44	4.75E-05	1.99E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.49E-06	2.57E-05	3.06E-06	4.08E-06	1.34E-05	9.27E-07
6444	469900.6	3820627.6	4.75E-05	1.99E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.49E-06	2.57E-05	3.06E-06	4.08E-06	1.34E-05	9.27E-07
6445	469891.71	3820623.76	4.75E-05	1.99E-04	1.80E-05	3.95E-05	1.46E-04	1.29E-05	4.48E-06	2.57E-05	3.06E-06	4.08E-06	1.34E-05	9.26E-07
6446	469882.83	3820619.92	4.74E-05	1.99E-04	1.79E-05	3.95E-05	1.46E-04	1.29E-05	4.48E-06	2.56E-05	3.06E-06	4.07E-06	1.34E-05	9.25E-07
6447	469873.94	3820616.08	4.73E-05	1.99E-04	1.79E-05	3.94E-05	1.46E-04	1.29E-05	4.47E-06	2.56E-05	3.05E-06	4.06E-06	1.34E-05	9.24E-07
6448	469865.06	3820612.24	4.72E-05	1.98E-04	1.79E-05	3.94E-05	1.46E-04	1.28E-05	4.46E-06	2.55E-05	3.05E-06	4.06E-06	1.34E-05	9.22E-07
6449	469856.18	3820608.39	4.71E-05	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.05E-06	1.33E-05	9.19E-07
6450	469847.29	3820604.55	4.70E-05	1.97E-04	1.78E-05	3.91E-05	1.45E-04	1.28E-05	4.44E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.17E-07
6451	469838.41	3820600.71	4.68E-05	1.97E-04	1.77E-05	3.90E-05	1.44E-04	1.27E-05	4.42E-06	2.53E-05	3.02E-06	4.02E-06	1.32E-05	9.13E-07
6452	469829.52	3820596.87	4.66E-05	1.96E-04	1.76E-05	3.88E-05	1.44E-04	1.27E-05	4.40E-06	2.52E-05	3.01E-06	4.00E-06	1.32E-05	9.09E-07
6453	469820.64	3820593.03	4.64E-05	1.95E-04	1.75E-05	3.86E-05	1.43E-04	1.26E-05	4.38E-06	2.51E-05	2.99E-06	3.98E-06	1.31E-05	9.05E-07
6454	469811.75	3820589.19	4.61E-05	1.94E-04	1.75E-05	3.84E-05	1.42E-04	1.25E-05	4.36E-06	2.49E-05	2.98E-06	3.96E-06	1.31E-05	9.00E-07
6455	469802.87	3820585.34	4.59E-05	1.93E-04	1.74E-05	3.82E-05	1.42E-04	1.25E-05	4.33E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.96E-07
6456	469793.99	3820581.5	4.56E-05	1.92E-04	1.73E-05	3.80E-05	1.41E-04	1.24E-05	4.31E-06	2.47E-05	2.94E-06	3.92E-06	1.29E-05	8.90E-07
6457	469785.1	3820577.66	4.53E-05	1.90E-04	1.71E-05	3.78E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.92E-06	3.89E-06	1.28E-05	8.85E-07
6458	469776.22	3820573.82	4.50E-05	1.89E-04	1.70E-05	3.75E-05	1.39E-04	1.22E-05	4.25E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.79E-07
6459	469767.33	3820569.98	4.47E-05	1.88E-04	1.69E-05	3.73E-05	1.38E-04	1.21E-05	4.22E-06	2.42E-05	2.89E-06	3.84E-06	1.27E-05	8.73E-07
6460	469758.45	3820566.13	4.44E-05	1.87E-04	1.68E-05	3.70E-05	1.37E-04	1.21E-05	4.19E-06	2.40E-05	2.86E-06	3.81E-06	1.26E-05	8.67E-07
6461	469749.57	3820562.29	4.41E-05	1.85E-04	1.67E-05	3.67E-05	1.36E-04	1.20E-05	4.16E-06	2.38E-05	2.84E-06	3.78E-06	1.25E-05	8.60E-07
6462	469740.68	3820558.45	4.37E-05	1.84E-04	1.65E-05	3.64E-05	1.35E-04	1.19E-05	4.13E-06	2.37E-05	2.82E-06	3.76E-06	1.24E-05	8.54E-07
6463	469731.8	3820554.61	4.34E-05	1.82E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.47E-07
6464	469722.91	3820550.77	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.40E-07

6465	469714.03	3820546.93	4.27E-05	1.79E-04	1.61E-05	3.56E-05	1.32E-04	1.16E-05	4.03E-06	2.31E-05	2.75E-06	3.67E-06	1.21E-05	8.33E-07
6466	469705.15	3820543.08	4.23E-05	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.63E-06	1.20E-05	8.26E-07
6467	469696.26	3820539.24	4.20E-05	1.76E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.96E-06	2.27E-05	2.71E-06	3.60E-06	1.19E-05	8.19E-07
6468	469607.42	3820500.83	3.84E-05	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
6469	469598.54	3820496.98	3.81E-05	1.60E-04	1.44E-05	3.17E-05	1.18E-04	1.03E-05	3.60E-06	2.06E-05	2.46E-06	3.27E-06	1.08E-05	7.43E-07
6470	469589.65	3820493.14	3.78E-05	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.57E-06	2.04E-05	2.44E-06	3.24E-06	1.07E-05	7.37E-07
6471	469580.77	3820489.3	3.74E-05	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.02E-05	2.42E-06	3.21E-06	1.06E-05	7.31E-07
6472	469571.89	3820485.46	3.71E-05	1.56E-04	1.40E-05	3.09E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.39E-06	3.19E-06	1.05E-05	7.24E-07
6473	469563	3820481.62	3.68E-05	1.55E-04	1.39E-05	3.07E-05	1.14E-04	9.99E-06	3.48E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.18E-07
6474	469554.12	3820477.78	3.65E-05	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.91E-06	3.45E-06	1.97E-05	2.36E-06	3.13E-06	1.03E-05	7.13E-07
6475	469545.23	3820473.93	3.62E-05	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.83E-06	3.42E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.07E-07
6476	469536.35	3820470.09	3.59E-05	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.75E-06	3.39E-06	1.94E-05	2.32E-06	3.08E-06	1.02E-05	7.01E-07
6477	469527.46	3820466.25	3.57E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.68E-06	3.37E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.96E-07
6478	469518.58	3820462.41	3.54E-05	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.60E-06	3.34E-06	1.91E-05	2.28E-06	3.04E-06	1.00E-05	6.90E-07
6479	469509.7	3820458.57	3.51E-05	1.47E-04	1.33E-05	2.92E-05	1.08E-04	9.53E-06	3.31E-06	1.90E-05	2.26E-06	3.01E-06	9.94E-06	6.85E-07
6480	469500.81	3820454.73	3.48E-05	1.46E-04	1.32E-05	2.90E-05	1.08E-04	9.46E-06	3.29E-06	1.88E-05	2.25E-06	2.99E-06	9.86E-06	6.80E-07
6481	469491.93	3820450.88	3.46E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.39E-06	3.26E-06	1.87E-05	2.23E-06	2.97E-06	9.79E-06	6.75E-07
6482	469483.04	3820447.04	3.43E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.32E-06	3.24E-06	1.86E-05	2.21E-06	2.95E-06	9.71E-06	6.70E-07
6483	469474.16	3820443.2	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.92E-06	9.64E-06	6.65E-07
6484	469465.28	3820439.36	3.38E-05	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.18E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.57E-06	6.60E-07
6485	469456.39	3820435.52	3.36E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.11E-06	3.17E-06	1.81E-05	2.16E-06	2.88E-06	9.50E-06	6.55E-07
6486	469447.51	3820431.68	3.33E-05	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.04E-06	3.15E-06	1.80E-05	2.15E-06	2.86E-06	9.43E-06	6.50E-07
6487	469438.62	3820427.83	3.31E-05	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.98E-06	3.12E-06	1.79E-05	2.13E-06	2.84E-06	9.36E-06	6.45E-07
6488	469429.74	3820423.99	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.91E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.41E-07
6489	469420.86	3820420.15	3.26E-05	1.37E-04	1.23E-05	2.71E-05	1.01E-04	8.85E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.23E-06	6.36E-07
6490	469411.97	3820416.31	3.24E-05	1.36E-04	1.22E-05	2.69E-05	9.98E-05	8.78E-06	3.05E-06	1.75E-05	2.09E-06	2.78E-06	9.16E-06	6.31E-07
6491	469403.09	3820412.47	3.21E-05	1.35E-04	1.21E-05	2.68E-05	9.91E-05	8.72E-06	3.03E-06	1.74E-05	2.07E-06	2.76E-06	9.09E-06	6.27E-07
6492	469394.2	3820408.62	3.19E-05	1.34E-04	1.21E-05	2.66E-05	9.84E-05	8.65E-06	3.01E-06	1.72E-05	2.06E-06	2.74E-06	9.02E-06	6.22E-07
6493	469385.32	3820404.78	3.16E-05	1.33E-04	1.20E-05	2.63E-05	9.76E-05	8.59E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.95E-06	6.17E-07
6494	469376.44	3820400.94	3.14E-05	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.52E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
6495	469367.55	3820397.1	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.61E-05	8.45E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.81E-06	6.08E-07
6496	469358.67	3820393.26	3.09E-05	1.30E-04	1.17E-05	2.57E-05	9.53E-05	8.38E-06	2.92E-06	1.67E-05	1.99E-06	2.65E-06	8.74E-06	6.03E-07
6497	469349.78	3820389.42	3.06E-05	1.29E-04	1.16E-05	2.55E-05	9.45E-05	8.31E-06	2.89E-06	1.66E-05	1.98E-06	2.63E-06	8.67E-06	5.98E-07
6498	469340.9	3820385.57	3.04E-05	1.28E-04	1.15E-05	2.53E-05	9.37E-05	8.25E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.60E-06	5.93E-07
6499	469332.02	3820381.73	3.01E-05	1.26E-04	1.14E-05	2.51E-05	9.29E-05	8.17E-06	2.84E-06	1.63E-05	1.94E-06	2.59E-06	8.52E-06	5.88E-07
6500	469323.13	3820377.89	2.99E-05	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.93E-06	2.56E-06	8.45E-06	5.82E-07
6501	469314.25	3820374.05	2.96E-05	1.24E-04	1.12E-05	2.46E-05	9.13E-05	8.03E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.37E-06	5.77E-07
6502	469305.36	3820370.21	2.93E-05	1.23E-04	1.11E-05	2.44E-05	9.04E-05	7.96E-06	2.77E-06	1.58E-05	1.89E-06	2.52E-06	8.30E-06	5.72E-07
6503	469296.48	3820366.37	2.90E-05	1.22E-04	1.10E-05	2.42E-05	8.96E-05	7.88E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.22E-06	5.67E-07
6504	469269.83	3820354.84	2.82E-05	1.18E-04	1.07E-05	2.35E-05	8.70E-05	7.65E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
6505	469260.94	3820351	2.79E-05	1.17E-04	1.06E-05	2.32E-05	8.61E-05	7.57E-06	2.63E-06	1.51E-05	1.80E-06	2.39E-06	7.90E-06	5.44E-07
6506	469252.06	3820347.16	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.52E-05	7.49E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.81E-06	5.39E-07

6507	469243.18	3820343.32	2.73E-05	1.15E-04	1.03E-05	2.27E-05	8.42E-05	7.41E-06	2.58E-06	1.48E-05	1.76E-06	2.34E-06	7.73E-06	5.33E-07
6508	469234.29	3820339.47	2.70E-05	1.13E-04	1.02E-05	2.25E-05	8.33E-05	7.33E-06	2.55E-06	1.46E-05	1.74E-06	2.32E-06	7.64E-06	5.27E-07
6509	469225.41	3820335.63	2.67E-05	1.12E-04	1.01E-05	2.22E-05	8.23E-05	7.24E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.55E-06	5.21E-07
6510	469216.52	3820331.79	2.64E-05	1.11E-04	9.97E-06	2.20E-05	8.14E-05	7.16E-06	2.49E-06	1.43E-05	1.70E-06	2.26E-06	7.46E-06	5.15E-07
6511	469207.64	3820327.95	2.61E-05	1.09E-04	9.85E-06	2.17E-05	8.04E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.37E-06	5.08E-07
6512	469195.22	3820315.1	2.57E-05	1.08E-04	9.70E-06	2.14E-05	7.92E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.26E-06	5.01E-07
6513	469191.68	3820306.09	2.56E-05	1.07E-04	9.66E-06	2.13E-05	7.89E-05	6.94E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.23E-06	4.99E-07
6514	469188.14	3820297.08	2.54E-05	1.07E-04	9.62E-06	2.12E-05	7.85E-05	6.91E-06	2.40E-06	1.38E-05	1.64E-06	2.18E-06	7.20E-06	4.97E-07
6515	469184.6	3820288.07	2.53E-05	1.06E-04	9.58E-06	2.11E-05	7.82E-05	6.88E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.17E-06	4.94E-07
6516	469181.06	3820279.06	2.52E-05	1.06E-04	9.53E-06	2.10E-05	7.78E-05	6.84E-06	2.38E-06	1.36E-05	1.63E-06	2.16E-06	7.14E-06	4.92E-07
6517	469177.53	3820270.05	2.51E-05	1.05E-04	9.48E-06	2.09E-05	7.74E-05	6.81E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.89E-07
6518	469173.99	3820261.04	2.49E-05	1.05E-04	9.43E-06	2.08E-05	7.69E-05	6.77E-06	2.35E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.87E-07
6519	469170.45	3820252.03	2.48E-05	1.04E-04	9.37E-06	2.06E-05	7.65E-05	6.73E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.02E-06	4.84E-07
6520	469166.91	3820243.02	2.46E-05	1.03E-04	9.31E-06	2.05E-05	7.60E-05	6.68E-06	2.32E-06	1.33E-05	1.59E-06	2.11E-06	6.97E-06	4.80E-07
6521	469163.37	3820234.01	2.45E-05	1.03E-04	9.25E-06	2.04E-05	7.55E-05	6.64E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.92E-06	4.77E-07
6522	469159.84	3820225	2.43E-05	1.02E-04	9.18E-06	2.02E-05	7.49E-05	6.59E-06	2.29E-06	1.31E-05	1.57E-06	2.08E-06	6.87E-06	4.74E-07
6523	469156.3	3820216	2.41E-05	1.01E-04	9.11E-06	2.01E-05	7.43E-05	6.54E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.82E-06	4.70E-07
6524	469152.76	3820206.99	2.39E-05	1.00E-04	9.04E-06	1.99E-05	7.37E-05	6.49E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.76E-06	4.66E-07
6525	469149.22	3820197.98	2.37E-05	9.95E-05	8.96E-06	1.97E-05	7.31E-05	6.43E-06	2.24E-06	1.28E-05	1.53E-06	2.03E-06	6.71E-06	4.62E-07
6526	469145.68	3820188.97	2.35E-05	9.86E-05	8.88E-06	1.96E-05	7.25E-05	6.37E-06	2.22E-06	1.27E-05	1.51E-06	2.02E-06	6.65E-06	4.58E-07
6527	469142.15	3820179.96	2.33E-05	9.77E-05	8.80E-06	1.94E-05	7.18E-05	6.31E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.58E-06	4.54E-07
6528	469138.61	3820170.95	2.30E-05	9.67E-05	8.71E-06	1.92E-05	7.11E-05	6.25E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.52E-06	4.49E-07
6529	469135.07	3820161.94	2.28E-05	9.57E-05	8.62E-06	1.90E-05	7.03E-05	6.19E-06	2.15E-06	1.23E-05	1.47E-06	1.96E-06	6.45E-06	4.45E-07
6530	469131.53	3820152.93	2.26E-05	9.47E-05	8.53E-06	1.88E-05	6.96E-05	6.12E-06	2.13E-06	1.22E-05	1.45E-06	1.94E-06	6.38E-06	4.40E-07
6531	469127.99	3820143.92	2.23E-05	9.37E-05	8.43E-06	1.86E-05	6.88E-05	6.05E-06	2.11E-06	1.21E-05	1.44E-06	1.91E-06	6.31E-06	4.35E-07
6532	469124.46	3820134.91	2.20E-05	9.26E-05	8.34E-06	1.84E-05	6.80E-05	5.98E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.24E-06	4.30E-07
6533	469120.92	3820125.9	2.18E-05	9.15E-05	8.24E-06	1.81E-05	6.72E-05	5.91E-06	2.06E-06	1.18E-05	1.40E-06	1.87E-06	6.16E-06	4.25E-07
6534	469117.38	3820116.89	2.15E-05	9.03E-05	8.13E-06	1.79E-05	6.64E-05	5.84E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.09E-06	4.20E-07
6535	469113.84	3820107.88	2.12E-05	8.92E-05	8.03E-06	1.77E-05	6.55E-05	5.76E-06	2.00E-06	1.15E-05	1.37E-06	1.82E-06	6.01E-06	4.14E-07
6536	469110.3	3820098.87	2.09E-05	8.80E-05	7.92E-06	1.74E-05	6.46E-05	5.69E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
6537	469106.77	3820089.87	2.07E-05	8.67E-05	7.81E-06	1.72E-05	6.37E-05	5.61E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.85E-06	4.03E-07
6538	469103.23	3820080.86	2.04E-05	8.55E-05	7.70E-06	1.70E-05	6.29E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.77E-06	3.97E-07
6539	469099.69	3820071.85	2.01E-05	8.43E-05	7.59E-06	1.67E-05	6.19E-05	5.45E-06	1.90E-06	1.08E-05	1.29E-06	1.72E-06	5.68E-06	3.92E-07
6540	469096.15	3820062.84	1.98E-05	8.30E-05	7.48E-06	1.65E-05	6.10E-05	5.37E-06	1.87E-06	1.07E-05	1.27E-06	1.70E-06	5.60E-06	3.86E-07
6541	469074.92	3820008.78	1.79E-05	7.51E-05	6.76E-06	1.49E-05	5.51E-05	4.85E-06	1.69E-06	9.66E-06	1.15E-06	1.53E-06	5.06E-06	3.49E-07
6542	469071.39	3819999.77	1.75E-05	7.37E-05	6.64E-06	1.46E-05	5.41E-05	4.76E-06	1.66E-06	9.48E-06	1.13E-06	1.51E-06	4.97E-06	3.42E-07
6543	469067.85	3819990.76	1.72E-05	7.23E-05	6.51E-06	1.43E-05	5.31E-05	4.67E-06	1.63E-06	9.31E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
6544	469064.31	3819981.75	1.69E-05	7.09E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
6545	469060.77	3819972.74	1.65E-05	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.49E-06	1.56E-06	8.94E-06	1.07E-06	1.42E-06	4.68E-06	3.23E-07
6546	469057.23	3819963.73	1.62E-05	6.81E-05	6.13E-06	1.35E-05	5.00E-05	4.40E-06	1.53E-06	8.76E-06	1.05E-06	1.39E-06	4.59E-06	3.16E-07
6547	469053.7	3819954.73	1.59E-05	6.67E-05	6.00E-06	1.32E-05	4.90E-05	4.31E-06	1.50E-06	8.58E-06	1.02E-06	1.36E-06	4.49E-06	3.10E-07
6548	469050.16	3819945.72	1.55E-05	6.53E-05	5.88E-06	1.30E-05	4.80E-05	4.22E-06	1.47E-06	8.41E-06	1.00E-06	1.33E-06	4.40E-06	3.03E-07

6549	469046.62	3819936.71	1.52E-05	6.39E-05	5.75E-06	1.27E-05	4.70E-05	4.13E-06	1.44E-06	8.23E-06	9.81E-07	1.31E-06	4.31E-06	2.97E-07
6550	469043.08	3819927.7	1.49E-05	6.25E-05	5.63E-06	1.24E-05	4.59E-05	4.04E-06	1.41E-06	8.05E-06	9.60E-07	1.28E-06	4.21E-06	2.91E-07
6551	469039.54	3819918.69	1.46E-05	6.11E-05	5.51E-06	1.21E-05	4.49E-05	3.95E-06	1.37E-06	7.87E-06	9.39E-07	1.25E-06	4.12E-06	2.84E-07
6552	469036.01	3819909.68	1.42E-05	5.97E-05	5.38E-06	1.18E-05	4.39E-05	3.86E-06	1.34E-06	7.69E-06	9.18E-07	1.22E-06	4.03E-06	2.78E-07
6553	469032.47	3819900.67	1.39E-05	5.83E-05	5.25E-06	1.16E-05	4.29E-05	3.77E-06	1.31E-06	7.51E-06	8.96E-07	1.19E-06	3.93E-06	2.71E-07
6554	469028.93	3819891.66	1.36E-05	5.69E-05	5.13E-06	1.13E-05	4.18E-05	3.68E-06	1.28E-06	7.33E-06	8.74E-07	1.16E-06	3.84E-06	2.65E-07
6555	469025.39	3819882.65	1.32E-05	5.56E-05	5.00E-06	1.10E-05	4.08E-05	3.59E-06	1.25E-06	7.15E-06	8.53E-07	1.14E-06	3.74E-06	2.58E-07
6556	469021.85	3819873.64	1.29E-05	5.42E-05	4.88E-06	1.08E-05	3.98E-05	3.50E-06	1.22E-06	6.98E-06	8.33E-07	1.11E-06	3.65E-06	2.52E-07
6557	469018.32	3819864.63	1.26E-05	5.29E-05	4.77E-06	1.05E-05	3.89E-05	3.42E-06	1.19E-06	6.81E-06	8.13E-07	1.08E-06	3.57E-06	2.46E-07
6558	469014.78	3819855.62	1.23E-05	5.16E-05	4.65E-06	1.02E-05	3.79E-05	3.34E-06	1.16E-06	6.64E-06	7.93E-07	1.06E-06	3.48E-06	2.40E-07
6559	469011.24	3819846.61	1.20E-05	5.03E-05	4.53E-06	9.99E-06	3.70E-05	3.25E-06	1.13E-06	6.48E-06	7.73E-07	1.03E-06	3.39E-06	2.34E-07
6560	469007.7	3819837.6	1.17E-05	4.91E-05	4.42E-06	9.73E-06	3.61E-05	3.17E-06	1.10E-06	6.32E-06	7.54E-07	1.00E-06	3.31E-06	2.28E-07
6561	469004.16	3819828.6	1.14E-05	4.78E-05	4.31E-06	9.49E-06	3.52E-05	3.09E-06	1.08E-06	6.16E-06	7.35E-07	9.78E-07	3.22E-06	2.22E-07
6562	469000.63	3819819.59	1.11E-05	4.66E-05	4.20E-06	9.24E-06	3.42E-05	3.01E-06	1.05E-06	6.00E-06	7.16E-07	9.53E-07	3.14E-06	2.17E-07
6563	468997.09	3819810.58	1.08E-05	4.54E-05	4.09E-06	9.00E-06	3.34E-05	2.93E-06	1.02E-06	5.84E-06	6.97E-07	9.28E-07	3.06E-06	2.11E-07
6564	468993.55	3819801.57	1.05E-05	4.42E-05	3.98E-06	8.77E-06	3.25E-05	2.86E-06	9.94E-07	5.69E-06	6.79E-07	9.04E-07	2.98E-06	2.05E-07
6565	468990.01	3819792.56	1.02E-05	4.30E-05	3.87E-06	8.53E-06	3.16E-05	2.78E-06	9.67E-07	5.54E-06	6.61E-07	8.79E-07	2.90E-06	2.00E-07
6566	468986.47	3819783.55	9.97E-06	4.19E-05	3.77E-06	8.30E-06	3.08E-05	2.71E-06	9.41E-07	5.39E-06	6.43E-07	8.56E-07	2.82E-06	1.94E-07
6567	468982.94	3819774.54	9.70E-06	4.07E-05	3.67E-06	8.08E-06	2.99E-05	2.63E-06	9.16E-07	5.24E-06	6.26E-07	8.33E-07	2.75E-06	1.89E-07
6568	468979.4	3819765.53	9.44E-06	3.96E-05	3.57E-06	7.86E-06	2.91E-05	2.56E-06	8.91E-07	5.10E-06	6.09E-07	8.10E-07	2.67E-06	1.84E-07
6569	468975.86	3819756.52	9.18E-06	3.86E-05	3.47E-06	7.65E-06	2.83E-05	2.49E-06	8.67E-07	4.96E-06	5.92E-07	7.88E-07	2.60E-06	1.79E-07
6570	468972.32	3819747.51	8.94E-06	3.75E-05	3.38E-06	7.44E-06	2.76E-05	2.43E-06	8.44E-07	4.83E-06	5.77E-07	7.67E-07	2.53E-06	1.74E-07
6571	468968.78	3819738.5	8.70E-06	3.65E-05	3.29E-06	7.24E-06	2.68E-05	2.36E-06	8.21E-07	4.70E-06	5.61E-07	7.47E-07	2.46E-06	1.70E-07
6572	468965.25	3819729.49	8.47E-06	3.56E-05	3.20E-06	7.05E-06	2.61E-05	2.30E-06	8.00E-07	4.58E-06	5.46E-07	7.27E-07	2.40E-06	1.65E-07
6573	468961.71	3819720.48	8.24E-06	3.46E-05	3.12E-06	6.86E-06	2.54E-05	2.24E-06	7.78E-07	4.45E-06	5.32E-07	7.07E-07	2.33E-06	1.61E-07
6574	468958.17	3819711.47	8.02E-06	3.37E-05	3.03E-06	6.68E-06	2.47E-05	2.18E-06	7.57E-07	4.34E-06	5.17E-07	6.88E-07	2.27E-06	1.56E-07
6575	468954.63	3819702.47	7.81E-06	3.28E-05	2.95E-06	6.50E-06	2.41E-05	2.12E-06	7.37E-07	4.22E-06	5.04E-07	6.70E-07	2.21E-06	1.52E-07
6576	468951.09	3819693.46	7.60E-06	3.19E-05	2.87E-06	6.33E-06	2.34E-05	2.06E-06	7.17E-07	4.11E-06	4.90E-07	6.52E-07	2.15E-06	1.48E-07
6577	468947.56	3819684.45	7.39E-06	3.10E-05	2.79E-06	6.15E-06	2.28E-05	2.01E-06	6.98E-07	3.99E-06	4.77E-07	6.34E-07	2.09E-06	1.44E-07
6578	468944.02	3819675.44	7.19E-06	3.02E-05	2.72E-06	5.99E-06	2.22E-05	1.95E-06	6.79E-07	3.89E-06	4.64E-07	6.17E-07	2.03E-06	1.40E-07
6579	468940.48	3819666.43	7.00E-06	2.94E-05	2.65E-06	5.83E-06	2.16E-05	1.90E-06	6.61E-07	3.78E-06	4.51E-07	6.01E-07	1.98E-06	1.37E-07
6580	468936.94	3819657.42	6.82E-06	2.86E-05	2.58E-06	5.68E-06	2.10E-05	1.85E-06	6.44E-07	3.69E-06	4.40E-07	5.85E-07	1.93E-06	1.33E-07
6581	468933.4	3819648.41	6.64E-06	2.79E-05	2.51E-06	5.53E-06	2.05E-05	1.80E-06	6.27E-07	3.59E-06	4.29E-07	5.70E-07	1.88E-06	1.30E-07
6582	468929.87	3819639.4	6.48E-06	2.72E-05	2.45E-06	5.39E-06	2.00E-05	1.76E-06	6.11E-07	3.50E-06	4.18E-07	5.56E-07	1.83E-06	1.26E-07
6583	468926.33	3819630.39	6.31E-06	2.65E-05	2.39E-06	5.26E-06	1.95E-05	1.71E-06	5.96E-07	3.41E-06	4.07E-07	5.42E-07	1.79E-06	1.23E-07
6584	468922.79	3819621.38	6.16E-06	2.59E-05	2.33E-06	5.13E-06	1.90E-05	1.67E-06	5.81E-07	3.33E-06	3.97E-07	5.29E-07	1.74E-06	1.20E-07
6585	468919.25	3819612.37	6.00E-06	2.52E-05	2.27E-06	5.00E-06	1.85E-05	1.63E-06	5.67E-07	3.25E-06	3.87E-07	5.15E-07	1.70E-06	1.17E-07
6586	468915.71	3819603.36	5.85E-06	2.46E-05	2.21E-06	4.88E-06	1.81E-05	1.59E-06	5.53E-07	3.16E-06	3.78E-07	5.03E-07	1.66E-06	1.14E-07
6587	468912.17	3819594.35	5.71E-06	2.40E-05	2.16E-06	4.76E-06	1.76E-05	1.55E-06	5.39E-07	3.09E-06	3.68E-07	4.90E-07	1.62E-06	1.11E-07
6588	468908.64	3819585.34	5.57E-06	2.34E-05	2.11E-06	4.64E-06	1.72E-05	1.51E-06	5.26E-07	3.01E-06	3.59E-07	4.78E-07	1.58E-06	1.09E-07
6589	468905.1	3819576.33	5.45E-06	2.29E-05	2.06E-06	4.54E-06	1.68E-05	1.48E-06	5.14E-07	2.94E-06	3.51E-07	4.67E-07	1.54E-06	1.06E-07
6590	468901.56	3819567.33	5.32E-06	2.23E-05	2.01E-06	4.43E-06	1.64E-05	1.44E-06	5.02E-07	2.88E-06	3.43E-07	4.57E-07	1.51E-06	1.04E-07

6591	468898.02	3819558.32	5.21E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.41E-06	4.92E-07	2.81E-06	3.36E-07	4.47E-07	1.47E-06	1.02E-07
6592	468894.48	3819549.31	5.09E-06	2.14E-05	1.93E-06	4.24E-06	1.57E-05	1.38E-06	4.81E-07	2.75E-06	3.29E-07	4.37E-07	1.44E-06	9.94E-08
6593	468890.95	3819540.3	4.98E-06	2.09E-05	1.88E-06	4.15E-06	1.54E-05	1.35E-06	4.71E-07	2.69E-06	3.21E-07	4.28E-07	1.41E-06	9.72E-08
6594	468887.41	3819531.29	4.88E-06	2.05E-05	1.85E-06	4.07E-06	1.51E-05	1.33E-06	4.61E-07	2.64E-06	3.15E-07	4.19E-07	1.38E-06	9.53E-08
6595	468883.87	3819522.28	4.48E-06	1.88E-05	1.69E-06	3.73E-06	1.38E-05	1.22E-06	4.23E-07	2.42E-06	2.89E-07	3.84E-07	1.27E-06	8.74E-08
6596	468880.33	3819513.27	4.39E-06	1.84E-05	1.66E-06	3.65E-06	1.35E-05	1.19E-06	4.14E-07	2.37E-06	2.83E-07	3.77E-07	1.24E-06	8.56E-08
6597	468876.79	3819504.26	4.31E-06	1.81E-05	1.63E-06	3.59E-06	1.33E-05	1.17E-06	4.07E-07	2.33E-06	2.78E-07	3.70E-07	1.22E-06	8.41E-08
6598	468873.26	3819495.25	4.24E-06	1.78E-05	1.60E-06	3.53E-06	1.31E-05	1.15E-06	4.00E-07	2.29E-06	2.73E-07	3.64E-07	1.20E-06	8.27E-08
6599	468869.72	3819486.24	4.19E-06	1.76E-05	1.58E-06	3.49E-06	1.29E-05	1.14E-06	3.95E-07	2.26E-06	2.70E-07	3.59E-07	1.18E-06	8.17E-08
6600	468866.18	3819477.23	4.13E-06	1.74E-05	1.56E-06	3.44E-06	1.28E-05	1.12E-06	3.90E-07	2.23E-06	2.67E-07	3.55E-07	1.17E-06	8.06E-08
6601	468862.64	3819468.22	4.08E-06	1.72E-05	1.54E-06	3.40E-06	1.26E-05	1.11E-06	3.86E-07	2.21E-06	2.63E-07	3.51E-07	1.16E-06	7.97E-08
6602	468859.1	3819459.21	4.04E-06	1.70E-05	1.53E-06	3.37E-06	1.25E-05	1.10E-06	3.82E-07	2.18E-06	2.61E-07	3.47E-07	1.14E-06	7.88E-08
6603	468855.57	3819450.2	3.99E-06	1.68E-05	1.51E-06	3.33E-06	1.23E-05	1.08E-06	3.77E-07	2.16E-06	2.58E-07	3.43E-07	1.13E-06	7.79E-08
6604	468852.03	3819441.2	3.95E-06	1.66E-05	1.49E-06	3.29E-06	1.22E-05	1.07E-06	3.73E-07	2.14E-06	2.55E-07	3.39E-07	1.12E-06	7.71E-08
6605	468848.49	3819432.19	3.90E-06	1.64E-05	1.48E-06	3.25E-06	1.20E-05	1.06E-06	3.68E-07	2.11E-06	2.52E-07	3.35E-07	1.10E-06	7.61E-08
6606	470087.16	3820708.28	4.24E-05	1.78E-04	1.61E-05	3.53E-05	1.31E-04	1.15E-05	4.01E-06	2.29E-05	2.74E-06	3.64E-06	1.20E-05	8.28E-07
6607	470096.86	3820708.41	4.22E-05	1.77E-04	1.60E-05	3.51E-05	1.30E-04	1.15E-05	3.98E-06	2.28E-05	2.72E-06	3.62E-06	1.19E-05	8.23E-07
6608	470106.56	3820708.55	4.19E-05	1.76E-04	1.59E-05	3.49E-05	1.29E-04	1.14E-05	3.96E-06	2.27E-05	2.70E-06	3.60E-06	1.19E-05	8.18E-07
6609	470116.25	3820708.68	4.16E-05	1.75E-04	1.57E-05	3.47E-05	1.28E-04	1.13E-05	3.93E-06	2.25E-05	2.69E-06	3.57E-06	1.18E-05	8.12E-07
6610	470125.95	3820708.82	4.13E-05	1.74E-04	1.56E-05	3.44E-05	1.28E-04	1.12E-05	3.90E-06	2.23E-05	2.67E-06	3.55E-06	1.17E-05	8.07E-07
6611	470135.65	3820708.95	4.10E-05	1.72E-04	1.55E-05	3.42E-05	1.27E-04	1.11E-05	3.87E-06	2.22E-05	2.65E-06	3.52E-06	1.16E-05	8.01E-07
6612	470145.34	3820709.09	4.07E-05	1.71E-04	1.54E-05	3.39E-05	1.26E-04	1.11E-05	3.84E-06	2.20E-05	2.63E-06	3.50E-06	1.15E-05	7.95E-07
6613	470155.04	3820709.22	4.04E-05	1.70E-04	1.53E-05	3.36E-05	1.25E-04	1.10E-05	3.81E-06	2.18E-05	2.60E-06	3.47E-06	1.14E-05	7.88E-07
6614	470164.74	3820709.36	4.01E-05	1.68E-04	1.51E-05	3.34E-05	1.24E-04	1.09E-05	3.78E-06	2.17E-05	2.58E-06	3.44E-06	1.13E-05	7.82E-07
6615	470174.44	3820709.49	3.97E-05	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.75E-06	2.15E-05	2.56E-06	3.41E-06	1.12E-05	7.75E-07
6616	470184.13	3820709.63	3.94E-05	1.65E-04	1.49E-05	3.28E-05	1.21E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.68E-07
6617	470193.83	3820709.76	3.90E-05	1.64E-04	1.48E-05	3.25E-05	1.20E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.35E-06	1.10E-05	7.62E-07
6618	470203.53	3820709.9	3.87E-05	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.49E-06	3.32E-06	1.09E-05	7.55E-07
6619	470213.22	3820710.03	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.62E-06	2.07E-05	2.47E-06	3.29E-06	1.09E-05	7.48E-07
6620	470222.92	3820710.17	3.80E-05	1.60E-04	1.44E-05	3.16E-05	1.17E-04	1.03E-05	3.59E-06	2.05E-05	2.45E-06	3.26E-06	1.08E-05	7.41E-07
6621	470232.62	3820710.3	3.76E-05	1.58E-04	1.42E-05	3.14E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.43E-06	3.23E-06	1.07E-05	7.35E-07
6622	470242.32	3820710.44	3.73E-05	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.52E-06	2.02E-05	2.41E-06	3.20E-06	1.06E-05	7.28E-07
6623	470252.01	3820710.57	3.70E-05	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.49E-06	2.00E-05	2.38E-06	3.17E-06	1.05E-05	7.21E-07
6624	470261.71	3820710.71	3.66E-05	1.54E-04	1.38E-05	3.05E-05	1.13E-04	9.94E-06	3.46E-06	1.98E-05	2.36E-06	3.14E-06	1.04E-05	7.15E-07
6625	470077.22	3820784.45	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
6626	470068.39	3820780.63	3.92E-05	1.65E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.36E-06	1.11E-05	7.64E-07
6627	470059.56	3820776.82	3.95E-05	1.66E-04	1.50E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.14E-05	2.55E-06	3.39E-06	1.12E-05	7.71E-07
6628	470050.73	3820773	3.99E-05	1.68E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.77E-06	2.16E-05	2.57E-06	3.42E-06	1.13E-05	7.78E-07
6629	470041.9	3820769.18	4.02E-05	1.69E-04	1.52E-05	3.35E-05	1.24E-04	1.09E-05	3.80E-06	2.17E-05	2.59E-06	3.45E-06	1.14E-05	7.85E-07
6630	470033.07	3820765.36	4.06E-05	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.91E-07
6631	470024.24	3820761.54	4.09E-05	1.72E-04	1.55E-05	3.40E-05	1.26E-04	1.11E-05	3.86E-06	2.21E-05	2.64E-06	3.51E-06	1.16E-05	7.98E-07
6632	470015.41	3820757.72	4.12E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.23E-05	2.66E-06	3.53E-06	1.17E-05	8.03E-07

6633	470006.58	3820753.91	4.14E-05	1.74E-04	1.57E-05	3.45E-05	1.28E-04	1.13E-05	3.91E-06	2.24E-05	2.67E-06	3.56E-06	1.17E-05	8.09E-07
6634	469997.75	3820750.09	4.17E-05	1.75E-04	1.58E-05	3.47E-05	1.29E-04	1.13E-05	3.94E-06	2.25E-05	2.69E-06	3.58E-06	1.18E-05	8.14E-07
6635	469988.92	3820746.27	4.19E-05	1.76E-04	1.59E-05	3.49E-05	1.29E-04	1.14E-05	3.96E-06	2.27E-05	2.70E-06	3.60E-06	1.19E-05	8.18E-07
6636	469980.09	3820742.45	4.22E-05	1.77E-04	1.59E-05	3.51E-05	1.30E-04	1.14E-05	3.98E-06	2.28E-05	2.72E-06	3.62E-06	1.19E-05	8.23E-07
6637	469971.26	3820738.63	4.24E-05	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.64E-06	1.20E-05	8.27E-07
6638	469962.43	3820734.81	4.25E-05	1.79E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.02E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.30E-07
6639	469953.6	3820731	4.27E-05	1.79E-04	1.62E-05	3.56E-05	1.32E-04	1.16E-05	4.03E-06	2.31E-05	2.75E-06	3.67E-06	1.21E-05	8.33E-07
6640	469944.77	3820727.18	4.29E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.76E-06	3.68E-06	1.21E-05	8.36E-07
6641	469935.94	3820723.36	4.30E-05	1.81E-04	1.63E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.39E-07
6642	469927.11	3820719.54	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.41E-07
6643	469918.28	3820715.72	4.32E-05	1.81E-04	1.63E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.33E-05	2.78E-06	3.71E-06	1.22E-05	8.42E-07
6644	469909.45	3820711.9	4.32E-05	1.82E-04	1.63E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.43E-07
6645	469900.62	3820708.09	4.33E-05	1.82E-04	1.64E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.44E-07
6646	469891.79	3820704.27	4.33E-05	1.82E-04	1.64E-05	3.60E-05	1.34E-04	1.17E-05	4.09E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.44E-07
6647	469882.96	3820700.45	4.33E-05	1.82E-04	1.64E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.44E-07
6648	469874.13	3820696.63	4.32E-05	1.81E-04	1.63E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.43E-07
6649	469865.3	3820692.81	4.32E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.08E-06	2.33E-05	2.78E-06	3.71E-06	1.22E-05	8.42E-07
6650	469856.47	3820688.99	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.41E-07
6651	469847.64	3820685.17	4.30E-05	1.81E-04	1.63E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.39E-07
6652	469838.81	3820681.36	4.29E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.77E-06	3.68E-06	1.21E-05	8.37E-07
6653	469829.98	3820677.54	4.27E-05	1.80E-04	1.62E-05	3.56E-05	1.32E-04	1.16E-05	4.04E-06	2.31E-05	2.76E-06	3.67E-06	1.21E-05	8.34E-07
6654	469821.15	3820673.72	4.26E-05	1.79E-04	1.61E-05	3.55E-05	1.31E-04	1.16E-05	4.02E-06	2.30E-05	2.75E-06	3.66E-06	1.21E-05	8.31E-07
6655	469812.32	3820669.9	4.24E-05	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.01E-06	2.29E-05	2.74E-06	3.64E-06	1.20E-05	8.28E-07
6656	469803.49	3820666.08	4.22E-05	1.77E-04	1.60E-05	3.52E-05	1.30E-04	1.15E-05	3.99E-06	2.28E-05	2.72E-06	3.63E-06	1.20E-05	8.24E-07
6657	469794.66	3820662.26	4.20E-05	1.77E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.97E-06	2.27E-05	2.71E-06	3.61E-06	1.19E-05	8.20E-07
6658	469785.83	3820658.45	4.18E-05	1.76E-04	1.58E-05	3.48E-05	1.29E-04	1.13E-05	3.95E-06	2.26E-05	2.70E-06	3.59E-06	1.18E-05	8.16E-07
6659	469777	3820654.63	4.16E-05	1.75E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.93E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.11E-07
6660	469768.17	3820650.81	4.13E-05	1.74E-04	1.56E-05	3.44E-05	1.28E-04	1.12E-05	3.90E-06	2.23E-05	2.67E-06	3.55E-06	1.17E-05	8.06E-07
6661	469759.34	3820646.99	4.11E-05	1.73E-04	1.55E-05	3.42E-05	1.27E-04	1.12E-05	3.88E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.02E-07
6662	469750.51	3820643.17	4.08E-05	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.21E-05	2.63E-06	3.50E-06	1.16E-05	7.96E-07
6663	469741.68	3820639.35	4.05E-05	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.61E-06	3.48E-06	1.15E-05	7.91E-07
6664	469732.85	3820635.54	4.03E-05	1.69E-04	1.52E-05	3.35E-05	1.24E-04	1.09E-05	3.80E-06	2.18E-05	2.60E-06	3.46E-06	1.14E-05	7.85E-07
6665	469724.02	3820631.72	4.00E-05	1.68E-04	1.51E-05	3.33E-05	1.23E-04	1.08E-05	3.77E-06	2.16E-05	2.58E-06	3.43E-06	1.13E-05	7.80E-07
6666	469715.19	3820627.9	3.97E-05	1.67E-04	1.50E-05	3.30E-05	1.22E-04	1.08E-05	3.74E-06	2.14E-05	2.56E-06	3.40E-06	1.12E-05	7.74E-07
6667	469706.36	3820624.08	3.93E-05	1.65E-04	1.49E-05	3.28E-05	1.21E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.68E-07
6668	469697.53	3820620.26	3.90E-05	1.64E-04	1.48E-05	3.25E-05	1.20E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.35E-06	1.10E-05	7.62E-07
6669	469662.21	3820604.99	3.78E-05	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.57E-06	2.04E-05	2.44E-06	3.24E-06	1.07E-05	7.37E-07
6670	469653.38	3820601.17	3.75E-05	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.02E-05	2.42E-06	3.21E-06	1.06E-05	7.31E-07
6671	469644.55	3820597.35	3.71E-05	1.56E-04	1.40E-05	3.09E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.25E-07
6672	469635.72	3820593.53	3.68E-05	1.55E-04	1.39E-05	3.07E-05	1.14E-04	1.00E-05	3.48E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.18E-07
6673	469626.89	3820589.72	3.65E-05	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.91E-06	3.45E-06	1.97E-05	2.35E-06	3.13E-06	1.03E-05	7.12E-07
6674	469618.06	3820585.9	3.62E-05	1.52E-04	1.37E-05	3.01E-05	1.12E-04	9.83E-06	3.42E-06	1.96E-05	2.33E-06	3.11E-06	1.02E-05	7.06E-07

6675	469609.23	3820582.08	3.59E-05	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.74E-06	3.39E-06	1.94E-05	2.31E-06	3.08E-06	1.02E-05	7.00E-07
6676	469600.4	3820578.26	3.56E-05	1.49E-04	1.35E-05	2.96E-05	1.10E-04	9.66E-06	3.36E-06	1.92E-05	2.30E-06	3.05E-06	1.01E-05	6.94E-07
6677	469591.57	3820574.44	3.53E-05	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.58E-06	3.33E-06	1.91E-05	2.28E-06	3.03E-06	9.99E-06	6.89E-07
6678	469582.74	3820570.62	3.50E-05	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.50E-06	3.30E-06	1.89E-05	2.26E-06	3.00E-06	9.90E-06	6.83E-07
6679	469573.91	3820566.81	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.42E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.82E-06	6.77E-07
6680	469565.08	3820562.99	3.44E-05	1.45E-04	1.30E-05	2.87E-05	1.06E-04	9.34E-06	3.25E-06	1.86E-05	2.22E-06	2.95E-06	9.74E-06	6.72E-07
6681	469556.25	3820559.17	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.22E-06	1.85E-05	2.20E-06	2.93E-06	9.66E-06	6.66E-07
6682	469547.42	3820555.35	3.39E-05	1.42E-04	1.28E-05	2.82E-05	1.05E-04	9.19E-06	3.20E-06	1.83E-05	2.18E-06	2.91E-06	9.59E-06	6.61E-07
6683	469538.59	3820551.53	3.36E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.12E-06	3.17E-06	1.82E-05	2.17E-06	2.88E-06	9.51E-06	6.56E-07
6684	469529.76	3820547.71	3.33E-05	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.05E-06	3.15E-06	1.80E-05	2.15E-06	2.86E-06	9.44E-06	6.50E-07
6685	469520.93	3820543.9	3.31E-05	1.39E-04	1.25E-05	2.76E-05	1.02E-04	8.98E-06	3.12E-06	1.79E-05	2.13E-06	2.84E-06	9.36E-06	6.45E-07
6686	469512.1	3820540.08	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.91E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.41E-07
6687	469503.27	3820536.26	3.26E-05	1.37E-04	1.23E-05	2.71E-05	1.01E-04	8.84E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.22E-06	6.36E-07
6688	469494.44	3820532.44	3.23E-05	1.36E-04	1.22E-05	2.69E-05	9.98E-05	8.78E-06	3.05E-06	1.75E-05	2.09E-06	2.78E-06	9.15E-06	6.31E-07
6689	469485.61	3820528.62	3.21E-05	1.35E-04	1.21E-05	2.67E-05	9.91E-05	8.72E-06	3.03E-06	1.74E-05	2.07E-06	2.76E-06	9.09E-06	6.26E-07
6690	469476.78	3820524.8	3.19E-05	1.34E-04	1.21E-05	2.66E-05	9.84E-05	8.65E-06	3.01E-06	1.72E-05	2.06E-06	2.74E-06	9.02E-06	6.22E-07
6691	469467.95	3820520.99	3.16E-05	1.33E-04	1.20E-05	2.64E-05	9.77E-05	8.59E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.96E-06	6.18E-07
6692	469459.12	3820517.17	3.14E-05	1.32E-04	1.19E-05	2.62E-05	9.70E-05	8.53E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.90E-06	6.13E-07
6693	469450.29	3820513.35	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.63E-05	8.47E-06	2.95E-06	1.69E-05	2.01E-06	2.68E-06	8.83E-06	6.09E-07
6694	469441.46	3820509.53	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.57E-05	8.42E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.77E-06	6.05E-07
6695	469432.63	3820505.71	3.08E-05	1.29E-04	1.16E-05	2.56E-05	9.50E-05	8.36E-06	2.91E-06	1.66E-05	1.99E-06	2.64E-06	8.71E-06	6.01E-07
6696	469423.8	3820501.89	3.06E-05	1.28E-04	1.16E-05	2.55E-05	9.43E-05	8.30E-06	2.89E-06	1.65E-05	1.97E-06	2.62E-06	8.65E-06	5.97E-07
6697	469414.97	3820498.08	3.04E-05	1.28E-04	1.15E-05	2.53E-05	9.37E-05	8.25E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.60E-06	5.93E-07
6698	469406.14	3820494.26	3.02E-05	1.27E-04	1.14E-05	2.51E-05	9.31E-05	8.19E-06	2.85E-06	1.63E-05	1.95E-06	2.59E-06	8.54E-06	5.89E-07
6699	469397.31	3820490.44	3.00E-05	1.26E-04	1.13E-05	2.50E-05	9.25E-05	8.14E-06	2.83E-06	1.62E-05	1.93E-06	2.57E-06	8.48E-06	5.85E-07
6700	469388.48	3820486.62	2.98E-05	1.25E-04	1.13E-05	2.48E-05	9.19E-05	8.08E-06	2.81E-06	1.61E-05	1.92E-06	2.56E-06	8.43E-06	5.81E-07
6701	469379.65	3820482.8	2.96E-05	1.24E-04	1.12E-05	2.46E-05	9.13E-05	8.03E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.37E-06	5.77E-07
6702	469370.82	3820478.98	2.94E-05	1.23E-04	1.11E-05	2.45E-05	9.07E-05	7.98E-06	2.77E-06	1.59E-05	1.90E-06	2.52E-06	8.32E-06	5.73E-07
6703	469361.98	3820475.17	2.92E-05	1.23E-04	1.10E-05	2.43E-05	9.00E-05	7.92E-06	2.76E-06	1.58E-05	1.88E-06	2.50E-06	8.26E-06	5.69E-07
6704	469353.15	3820471.35	2.90E-05	1.22E-04	1.10E-05	2.41E-05	8.94E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.20E-06	5.65E-07
6705	469344.32	3820467.53	2.88E-05	1.21E-04	1.09E-05	2.40E-05	8.88E-05	7.81E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.14E-06	5.61E-07
6706	469335.49	3820463.71	2.86E-05	1.20E-04	1.08E-05	2.38E-05	8.82E-05	7.76E-06	2.70E-06	1.54E-05	1.84E-06	2.45E-06	8.09E-06	5.57E-07
6707	469326.66	3820459.89	2.84E-05	1.19E-04	1.07E-05	2.36E-05	8.75E-05	7.70E-06	2.68E-06	1.53E-05	1.83E-06	2.44E-06	8.03E-06	5.54E-07
6708	469317.83	3820456.07	2.82E-05	1.18E-04	1.07E-05	2.35E-05	8.69E-05	7.64E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.97E-06	5.49E-07
6709	469309	3820452.26	2.80E-05	1.17E-04	1.06E-05	2.33E-05	8.63E-05	7.59E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.91E-06	5.46E-07
6710	469300.17	3820448.44	2.77E-05	1.17E-04	1.05E-05	2.31E-05	8.56E-05	7.53E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.85E-06	5.41E-07
6711	469291.34	3820444.62	2.75E-05	1.16E-04	1.04E-05	2.29E-05	8.50E-05	7.48E-06	2.60E-06	1.49E-05	1.78E-06	2.36E-06	7.79E-06	5.37E-07
6712	469264.85	3820433.16	2.69E-05	1.13E-04	1.02E-05	2.24E-05	8.29E-05	7.29E-06	2.54E-06	1.45E-05	1.73E-06	2.31E-06	7.61E-06	5.24E-07
6713	469256.02	3820429.35	2.66E-05	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
6714	469247.19	3820425.53	2.64E-05	1.11E-04	9.99E-06	2.20E-05	8.15E-05	7.17E-06	2.49E-06	1.43E-05	1.70E-06	2.27E-06	7.48E-06	5.15E-07
6715	469238.36	3820421.71	2.62E-05	1.10E-04	9.90E-06	2.18E-05	8.08E-05	7.11E-06	2.47E-06	1.42E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
6716	469229.53	3820417.89	2.59E-05	1.09E-04	9.81E-06	2.16E-05	8.00E-05	7.04E-06	2.45E-06	1.40E-05	1.67E-06	2.23E-06	7.34E-06	5.06E-07

6717	469220.7	3820414.07	2.57E-05	1.08E-04	9.72E-06	2.14E-05	7.93E-05	6.98E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.27E-06	5.01E-07
6718	469211.87	3820410.25	2.55E-05	1.07E-04	9.63E-06	2.12E-05	7.85E-05	6.91E-06	2.40E-06	1.38E-05	1.64E-06	2.19E-06	7.20E-06	4.97E-07
6719	469203.04	3820406.44	2.52E-05	1.06E-04	9.53E-06	2.10E-05	7.78E-05	6.84E-06	2.38E-06	1.36E-05	1.63E-06	2.16E-06	7.13E-06	4.92E-07
6720	469194.21	3820402.62	2.49E-05	1.05E-04	9.43E-06	2.08E-05	7.70E-05	6.77E-06	2.36E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.87E-07
6721	469185.38	3820398.8	2.47E-05	1.04E-04	9.34E-06	2.06E-05	7.62E-05	6.70E-06	2.33E-06	1.33E-05	1.59E-06	2.12E-06	6.99E-06	4.82E-07
6722	469176.55	3820394.98	2.44E-05	1.03E-04	9.24E-06	2.04E-05	7.54E-05	6.63E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.92E-06	4.77E-07
6723	469167.72	3820391.16	2.42E-05	1.02E-04	9.14E-06	2.01E-05	7.46E-05	6.56E-06	2.28E-06	1.31E-05	1.56E-06	2.07E-06	6.84E-06	4.72E-07
6724	469158.89	3820387.34	2.39E-05	1.00E-04	9.04E-06	1.99E-05	7.37E-05	6.49E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.76E-06	4.66E-07
6725	469150.06	3820383.53	2.36E-05	9.92E-05	8.94E-06	1.97E-05	7.29E-05	6.41E-06	2.23E-06	1.28E-05	1.52E-06	2.03E-06	6.69E-06	4.61E-07
6726	469137.72	3820370.75	2.33E-05	9.78E-05	8.81E-06	1.94E-05	7.18E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.54E-07
6727	469134.2	3820361.8	2.32E-05	9.74E-05	8.77E-06	1.93E-05	7.16E-05	6.30E-06	2.19E-06	1.25E-05	1.50E-06	1.99E-06	6.57E-06	4.53E-07
6728	469130.68	3820352.84	2.31E-05	9.71E-05	8.74E-06	1.92E-05	7.13E-05	6.27E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.54E-06	4.51E-07
6729	469127.17	3820343.89	2.30E-05	9.66E-05	8.70E-06	1.92E-05	7.10E-05	6.25E-06	2.17E-06	1.24E-05	1.48E-06	1.98E-06	6.51E-06	4.49E-07
6730	469123.65	3820334.94	2.29E-05	9.62E-05	8.66E-06	1.91E-05	7.07E-05	6.22E-06	2.16E-06	1.24E-05	1.48E-06	1.97E-06	6.48E-06	4.47E-07
6731	469120.14	3820325.98	2.28E-05	9.57E-05	8.62E-06	1.90E-05	7.03E-05	6.19E-06	2.15E-06	1.23E-05	1.47E-06	1.96E-06	6.45E-06	4.45E-07
6732	469116.62	3820317.03	2.27E-05	9.52E-05	8.57E-06	1.89E-05	7.00E-05	6.15E-06	2.14E-06	1.23E-05	1.46E-06	1.95E-06	6.42E-06	4.42E-07
6733	469113.1	3820308.07	2.25E-05	9.47E-05	8.53E-06	1.88E-05	6.96E-05	6.12E-06	2.13E-06	1.22E-05	1.45E-06	1.94E-06	6.38E-06	4.40E-07
6734	469109.59	3820299.12	2.24E-05	9.41E-05	8.47E-06	1.87E-05	6.91E-05	6.08E-06	2.12E-06	1.21E-05	1.45E-06	1.92E-06	6.34E-06	4.37E-07
6735	469106.07	3820290.16	2.23E-05	9.35E-05	8.42E-06	1.85E-05	6.87E-05	6.04E-06	2.10E-06	1.20E-05	1.44E-06	1.91E-06	6.30E-06	4.34E-07
6736	469102.55	3820281.21	2.21E-05	9.29E-05	8.36E-06	1.84E-05	6.82E-05	6.00E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.26E-06	4.32E-07
6737	469099.04	3820272.25	2.20E-05	9.22E-05	8.30E-06	1.83E-05	6.78E-05	5.96E-06	2.07E-06	1.19E-05	1.42E-06	1.88E-06	6.21E-06	4.28E-07
6738	469095.52	3820263.3	2.18E-05	9.15E-05	8.24E-06	1.82E-05	6.72E-05	5.92E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.17E-06	4.25E-07
6739	469092	3820254.34	2.16E-05	9.08E-05	8.18E-06	1.80E-05	6.67E-05	5.87E-06	2.04E-06	1.17E-05	1.39E-06	1.86E-06	6.12E-06	4.22E-07
6740	469088.49	3820245.39	2.14E-05	9.01E-05	8.11E-06	1.79E-05	6.62E-05	5.82E-06	2.03E-06	1.16E-05	1.38E-06	1.84E-06	6.07E-06	4.18E-07
6741	469084.97	3820236.44	2.13E-05	8.93E-05	8.04E-06	1.77E-05	6.56E-05	5.77E-06	2.01E-06	1.15E-05	1.37E-06	1.82E-06	6.02E-06	4.15E-07
6742	469081.45	3820227.48	2.11E-05	8.85E-05	7.97E-06	1.75E-05	6.50E-05	5.72E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.96E-06	4.11E-07
6743	469077.94	3820218.53	2.09E-05	8.76E-05	7.89E-06	1.74E-05	6.44E-05	5.66E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.07E-07
6744	469074.42	3820209.57	2.07E-05	8.68E-05	7.81E-06	1.72E-05	6.38E-05	5.61E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.85E-06	4.03E-07
6745	469070.9	3820200.62	2.05E-05	8.59E-05	7.74E-06	1.70E-05	6.31E-05	5.55E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.79E-06	3.99E-07
6746	469067.39	3820191.66	2.02E-05	8.50E-05	7.65E-06	1.69E-05	6.25E-05	5.49E-06	1.91E-06	1.09E-05	1.31E-06	1.74E-06	5.73E-06	3.95E-07
6747	469063.87	3820182.71	2.00E-05	8.40E-05	7.57E-06	1.67E-05	6.18E-05	5.43E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.66E-06	3.90E-07
6748	469060.35	3820173.75	1.98E-05	8.31E-05	7.48E-06	1.65E-05	6.11E-05	5.37E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.60E-06	3.86E-07
6749	469056.84	3820164.8	1.96E-05	8.21E-05	7.40E-06	1.63E-05	6.03E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.54E-06	3.82E-07
6750	469053.32	3820155.84	1.93E-05	8.11E-05	7.30E-06	1.61E-05	5.96E-05	5.24E-06	1.82E-06	1.04E-05	1.25E-06	1.66E-06	5.47E-06	3.77E-07
6751	469049.81	3820146.89	1.91E-05	8.01E-05	7.21E-06	1.59E-05	5.89E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
6752	469046.29	3820137.94	1.88E-05	7.91E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.62E-06	5.33E-06	3.67E-07
6753	469042.77	3820128.98	1.86E-05	7.80E-05	7.03E-06	1.55E-05	5.73E-05	5.04E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.26E-06	3.63E-07
6754	469039.26	3820120.03	1.83E-05	7.70E-05	6.93E-06	1.53E-05	5.65E-05	4.97E-06	1.73E-06	9.91E-06	1.18E-06	1.57E-06	5.19E-06	3.58E-07
6755	469035.74	3820111.07	1.81E-05	7.59E-05	6.83E-06	1.50E-05	5.57E-05	4.90E-06	1.71E-06	9.77E-06	1.17E-06	1.55E-06	5.11E-06	3.52E-07
6756	469032.22	3820102.12	1.78E-05	7.48E-05	6.73E-06	1.48E-05	5.49E-05	4.83E-06	1.68E-06	9.62E-06	1.15E-06	1.53E-06	5.04E-06	3.47E-07
6757	469028.71	3820093.16	1.75E-05	7.37E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.66E-06	9.48E-06	1.13E-06	1.51E-06	4.96E-06	3.42E-07
6758	469025.19	3820084.21	1.73E-05	7.25E-05	6.53E-06	1.44E-05	5.33E-05	4.69E-06	1.63E-06	9.34E-06	1.11E-06	1.48E-06	4.89E-06	3.37E-07

6759	469021.67	3820075.25	1.70E-05	7.14E-05	6.43E-06	1.42E-05	5.24E-05	4.61E-06	1.60E-06	9.19E-06	1.10E-06	1.46E-06	4.81E-06	3.32E-07
6760	469018.16	3820066.3	1.67E-05	7.02E-05	6.32E-06	1.39E-05	5.16E-05	4.54E-06	1.58E-06	9.04E-06	1.08E-06	1.44E-06	4.73E-06	3.26E-07
6761	469014.64	3820057.35	1.64E-05	6.91E-05	6.22E-06	1.37E-05	5.08E-05	4.46E-06	1.55E-06	8.89E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
6762	468993.54	3820003.62	1.47E-05	6.19E-05	5.57E-06	1.23E-05	4.55E-05	4.00E-06	1.39E-06	7.97E-06	9.51E-07	1.27E-06	4.17E-06	2.88E-07
6763	468990.02	3819994.66	1.45E-05	6.07E-05	5.47E-06	1.20E-05	4.46E-05	3.92E-06	1.37E-06	7.81E-06	9.32E-07	1.24E-06	4.09E-06	2.82E-07
6764	468986.51	3819985.71	1.42E-05	5.95E-05	5.36E-06	1.18E-05	4.37E-05	3.85E-06	1.34E-06	7.66E-06	9.14E-07	1.22E-06	4.01E-06	2.77E-07
6765	468982.99	3819976.75	1.39E-05	5.83E-05	5.25E-06	1.16E-05	4.29E-05	3.77E-06	1.31E-06	7.51E-06	8.96E-07	1.19E-06	3.93E-06	2.71E-07
6766	468979.48	3819967.8	1.36E-05	5.71E-05	5.15E-06	1.13E-05	4.20E-05	3.69E-06	1.28E-06	7.35E-06	8.77E-07	1.17E-06	3.85E-06	2.65E-07
6767	468975.96	3819958.85	1.33E-05	5.60E-05	5.04E-06	1.11E-05	4.11E-05	3.62E-06	1.26E-06	7.20E-06	8.59E-07	1.14E-06	3.77E-06	2.60E-07
6768	468972.44	3819949.89	1.30E-05	5.48E-05	4.93E-06	1.09E-05	4.02E-05	3.54E-06	1.23E-06	7.05E-06	8.41E-07	1.12E-06	3.69E-06	2.54E-07
6769	468968.93	3819940.94	1.28E-05	5.36E-05	4.83E-06	1.06E-05	3.94E-05	3.46E-06	1.21E-06	6.90E-06	8.23E-07	1.10E-06	3.61E-06	2.49E-07
6770	468965.41	3819931.98	1.25E-05	5.24E-05	4.72E-06	1.04E-05	3.85E-05	3.39E-06	1.18E-06	6.75E-06	8.05E-07	1.07E-06	3.53E-06	2.43E-07
6771	468961.89	3819923.03	1.22E-05	5.12E-05	4.61E-06	1.02E-05	3.76E-05	3.31E-06	1.15E-06	6.60E-06	7.87E-07	1.05E-06	3.45E-06	2.38E-07
6772	468958.38	3819914.07	1.19E-05	5.01E-05	4.51E-06	9.93E-06	3.68E-05	3.24E-06	1.13E-06	6.44E-06	7.69E-07	1.02E-06	3.37E-06	2.33E-07
6773	468954.86	3819905.12	1.16E-05	4.89E-05	4.40E-06	9.70E-06	3.59E-05	3.16E-06	1.10E-06	6.29E-06	7.51E-07	9.99E-07	3.30E-06	2.27E-07
6774	468951.34	3819896.16	1.14E-05	4.77E-05	4.30E-06	9.47E-06	3.51E-05	3.09E-06	1.07E-06	6.15E-06	7.33E-07	9.76E-07	3.22E-06	2.22E-07
6775	468947.83	3819887.21	1.11E-05	4.66E-05	4.20E-06	9.24E-06	3.42E-05	3.01E-06	1.05E-06	6.00E-06	7.16E-07	9.53E-07	3.14E-06	2.17E-07
6776	468944.31	3819878.26	1.08E-05	4.55E-05	4.10E-06	9.03E-06	3.34E-05	2.94E-06	1.02E-06	5.86E-06	6.99E-07	9.30E-07	3.07E-06	2.11E-07
6777	468940.79	3819869.3	1.06E-05	4.44E-05	4.00E-06	8.81E-06	3.26E-05	2.87E-06	9.99E-07	5.72E-06	6.82E-07	9.08E-07	2.99E-06	2.06E-07
6778	468937.28	3819860.35	1.03E-05	4.34E-05	3.90E-06	8.60E-06	3.19E-05	2.80E-06	9.75E-07	5.58E-06	6.66E-07	8.86E-07	2.92E-06	2.01E-07
6779	468933.76	3819851.39	1.01E-05	4.23E-05	3.81E-06	8.39E-06	3.11E-05	2.73E-06	9.51E-07	5.45E-06	6.50E-07	8.65E-07	2.85E-06	1.97E-07
6780	468930.24	3819842.44	9.83E-06	4.13E-05	3.72E-06	8.19E-06	3.03E-05	2.67E-06	9.28E-07	5.31E-06	6.34E-07	8.44E-07	2.78E-06	1.92E-07
6781	468926.73	3819833.48	9.58E-06	4.02E-05	3.62E-06	7.98E-06	2.96E-05	2.60E-06	9.05E-07	5.18E-06	6.18E-07	8.23E-07	2.71E-06	1.87E-07
6782	468923.21	3819824.53	9.35E-06	3.93E-05	3.53E-06	7.79E-06	2.88E-05	2.54E-06	8.83E-07	5.05E-06	6.03E-07	8.02E-07	2.65E-06	1.82E-07
6783	468919.69	3819815.57	9.10E-06	3.82E-05	3.44E-06	7.58E-06	2.81E-05	2.47E-06	8.59E-07	4.92E-06	5.87E-07	7.81E-07	2.58E-06	1.78E-07
6784	468916.18	3819806.62	8.87E-06	3.72E-05	3.35E-06	7.38E-06	2.74E-05	2.41E-06	8.37E-07	4.79E-06	5.72E-07	7.61E-07	2.51E-06	1.73E-07
6785	468912.66	3819797.66	8.64E-06	3.63E-05	3.27E-06	7.19E-06	2.66E-05	2.34E-06	8.15E-07	4.67E-06	5.57E-07	7.41E-07	2.44E-06	1.68E-07
6786	468909.15	3819788.71	8.42E-06	3.54E-05	3.18E-06	7.01E-06	2.60E-05	2.29E-06	7.95E-07	4.55E-06	5.43E-07	7.23E-07	2.38E-06	1.64E-07
6787	468905.63	3819779.76	8.20E-06	3.44E-05	3.10E-06	6.83E-06	2.53E-05	2.23E-06	7.75E-07	4.43E-06	5.29E-07	7.04E-07	2.32E-06	1.60E-07
6788	468902.11	3819770.8	8.00E-06	3.36E-05	3.02E-06	6.66E-06	2.47E-05	2.17E-06	7.55E-07	4.32E-06	5.16E-07	6.86E-07	2.26E-06	1.56E-07
6789	468898.6	3819761.85	7.79E-06	3.27E-05	2.95E-06	6.49E-06	2.40E-05	2.11E-06	7.35E-07	4.21E-06	5.02E-07	6.69E-07	2.20E-06	1.52E-07
6790	468895.08	3819752.89	7.59E-06	3.19E-05	2.87E-06	6.32E-06	2.34E-05	2.06E-06	7.17E-07	4.10E-06	4.90E-07	6.52E-07	2.15E-06	1.48E-07
6791	468891.56	3819743.94	7.40E-06	3.11E-05	2.80E-06	6.16E-06	2.28E-05	2.01E-06	6.99E-07	4.00E-06	4.77E-07	6.35E-07	2.09E-06	1.44E-07
6792	468888.05	3819734.98	7.21E-06	3.03E-05	2.73E-06	6.01E-06	2.23E-05	1.96E-06	6.81E-07	3.90E-06	4.65E-07	6.19E-07	2.04E-06	1.41E-07
6793	468884.53	3819726.03	7.03E-06	2.95E-05	2.66E-06	5.85E-06	2.17E-05	1.91E-06	6.64E-07	3.80E-06	4.53E-07	6.03E-07	1.99E-06	1.37E-07
6794	468881.01	3819717.07	6.85E-06	2.88E-05	2.59E-06	5.71E-06	2.11E-05	1.86E-06	6.47E-07	3.70E-06	4.42E-07	5.88E-07	1.94E-06	1.34E-07
6795	468877.5	3819708.12	6.68E-06	2.80E-05	2.53E-06	5.56E-06	2.06E-05	1.81E-06	6.31E-07	3.61E-06	4.31E-07	5.73E-07	1.89E-06	1.30E-07
6796	468873.98	3819699.16	6.50E-06	2.73E-05	2.46E-06	5.42E-06	2.01E-05	1.77E-06	6.14E-07	3.52E-06	4.20E-07	5.58E-07	1.84E-06	1.27E-07
6797	468870.46	3819690.21	6.34E-06	2.66E-05	2.40E-06	5.28E-06	1.96E-05	1.72E-06	5.99E-07	3.43E-06	4.09E-07	5.44E-07	1.79E-06	1.24E-07
6798	468866.95	3819681.26	6.18E-06	2.59E-05	2.34E-06	5.14E-06	1.91E-05	1.68E-06	5.83E-07	3.34E-06	3.98E-07	5.30E-07	1.75E-06	1.21E-07
6799	468863.43	3819672.3	6.02E-06	2.53E-05	2.28E-06	5.02E-06	1.86E-05	1.63E-06	5.69E-07	3.26E-06	3.88E-07	5.17E-07	1.70E-06	1.18E-07
6800	468859.91	3819663.35	5.88E-06	2.47E-05	2.22E-06	4.90E-06	1.81E-05	1.60E-06	5.55E-07	3.18E-06	3.79E-07	5.05E-07	1.66E-06	1.15E-07

6801	468856.4	3819654.39	5.74E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.42E-07	3.10E-06	3.70E-07	4.93E-07	1.62E-06	1.12E-07
6802	468852.88	3819645.44	5.60E-06	2.35E-05	2.12E-06	4.66E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.58E-06	1.09E-07
6803	468849.36	3819636.48	5.46E-06	2.30E-05	2.07E-06	4.55E-06	1.69E-05	1.48E-06	5.16E-07	2.95E-06	3.52E-07	4.69E-07	1.55E-06	1.07E-07
6804	468845.85	3819627.53	5.33E-06	2.24E-05	2.02E-06	4.44E-06	1.65E-05	1.45E-06	5.04E-07	2.88E-06	3.44E-07	4.58E-07	1.51E-06	1.04E-07
6805	468842.33	3819618.57	5.21E-06	2.19E-05	1.97E-06	4.34E-06	1.61E-05	1.41E-06	4.92E-07	2.82E-06	3.36E-07	4.47E-07	1.47E-06	1.02E-07
6806	468838.82	3819609.62	5.09E-06	2.14E-05	1.93E-06	4.24E-06	1.57E-05	1.38E-06	4.81E-07	2.75E-06	3.29E-07	4.37E-07	1.44E-06	9.94E-08
6807	468835.3	3819600.67	4.98E-06	2.09E-05	1.88E-06	4.15E-06	1.54E-05	1.35E-06	4.70E-07	2.69E-06	3.21E-07	4.27E-07	1.41E-06	9.72E-08
6808	468831.78	3819591.71	4.87E-06	2.05E-05	1.84E-06	4.06E-06	1.50E-05	1.32E-06	4.60E-07	2.63E-06	3.14E-07	4.18E-07	1.38E-06	9.51E-08
6809	468828.27	3819582.76	4.77E-06	2.00E-05	1.80E-06	3.97E-06	1.47E-05	1.29E-06	4.50E-07	2.58E-06	3.07E-07	4.09E-07	1.35E-06	9.30E-08
6810	468824.75	3819573.8	4.67E-06	1.96E-05	1.76E-06	3.89E-06	1.44E-05	1.27E-06	4.41E-07	2.52E-06	3.01E-07	4.01E-07	1.32E-06	9.10E-08
6811	468821.23	3819564.85	4.57E-06	1.92E-05	1.73E-06	3.81E-06	1.41E-05	1.24E-06	4.32E-07	2.47E-06	2.95E-07	3.93E-07	1.29E-06	8.93E-08
6812	468817.72	3819555.89	4.16E-06	1.75E-05	1.57E-06	3.46E-06	1.28E-05	1.13E-06	3.92E-07	2.25E-06	2.68E-07	3.57E-07	1.18E-06	8.11E-08
6813	468814.2	3819546.94	4.06E-06	1.71E-05	1.54E-06	3.39E-06	1.25E-05	1.10E-06	3.84E-07	2.20E-06	2.62E-07	3.49E-07	1.15E-06	7.93E-08
6814	468810.68	3819537.98	3.99E-06	1.67E-05	1.51E-06	3.32E-06	1.23E-05	1.08E-06	3.77E-07	2.16E-06	2.57E-07	3.42E-07	1.13E-06	7.78E-08
6815	468807.17	3819529.03	3.92E-06	1.65E-05	1.48E-06	3.27E-06	1.21E-05	1.06E-06	3.70E-07	2.12E-06	2.53E-07	3.37E-07	1.11E-06	7.65E-08
6816	468803.65	3819520.07	3.86E-06	1.62E-05	1.46E-06	3.22E-06	1.19E-05	1.05E-06	3.65E-07	2.09E-06	2.49E-07	3.32E-07	1.09E-06	7.54E-08
6817	468800.13	3819511.12	3.81E-06	1.60E-05	1.44E-06	3.18E-06	1.18E-05	1.04E-06	3.60E-07	2.06E-06	2.46E-07	3.27E-07	1.08E-06	7.44E-08
6818	468796.62	3819502.17	3.77E-06	1.58E-05	1.43E-06	3.14E-06	1.16E-05	1.02E-06	3.56E-07	2.04E-06	2.43E-07	3.24E-07	1.07E-06	7.36E-08
6819	468793.1	3819493.21	3.72E-06	1.56E-05	1.41E-06	3.10E-06	1.15E-05	1.01E-06	3.52E-07	2.01E-06	2.40E-07	3.20E-07	1.05E-06	7.27E-08
6820	468789.58	3819484.26	3.68E-06	1.54E-05	1.39E-06	3.06E-06	1.13E-05	9.98E-07	3.47E-07	1.99E-06	2.37E-07	3.16E-07	1.04E-06	7.17E-08
6821	468786.07	3819475.3	3.63E-06	1.53E-05	1.37E-06	3.03E-06	1.12E-05	9.86E-07	3.43E-07	1.96E-06	2.34E-07	3.12E-07	1.03E-06	7.09E-08
6822	468782.55	3819466.35	3.59E-06	1.51E-05	1.36E-06	2.99E-06	1.11E-05	9.75E-07	3.39E-07	1.94E-06	2.32E-07	3.08E-07	1.02E-06	7.01E-08
6823	468779.03	3819457.39	3.56E-06	1.50E-05	1.35E-06	2.97E-06	1.10E-05	9.66E-07	3.36E-07	1.92E-06	2.30E-07	3.06E-07	1.01E-06	6.95E-08
6824	468775.52	3819448.44	3.53E-06	1.48E-05	1.34E-06	2.94E-06	1.09E-05	9.59E-07	3.33E-07	1.91E-06	2.28E-07	3.03E-07	9.99E-07	6.89E-08
6825	468772	3819439.48	3.50E-06	1.47E-05	1.32E-06	2.91E-06	1.08E-05	9.49E-07	3.30E-07	1.89E-06	2.26E-07	3.00E-07	9.90E-07	6.82E-08
6826	468768.49	3819430.53	3.47E-06	1.46E-05	1.31E-06	2.89E-06	1.07E-05	9.42E-07	3.28E-07	1.88E-06	2.24E-07	2.98E-07	9.82E-07	6.77E-08
6827	470086.05	3820788.27	3.84E-05	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
6828	470095.74	3820788.41	3.82E-05	1.60E-04	1.44E-05	3.18E-05	1.18E-04	1.04E-05	3.60E-06	2.06E-05	2.46E-06	3.28E-06	1.08E-05	7.45E-07
6829	470105.44	3820788.54	3.79E-05	1.59E-04	1.43E-05	3.16E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.45E-06	3.25E-06	1.07E-05	7.40E-07
6830	470115.14	3820788.68	3.76E-05	1.58E-04	1.42E-05	3.14E-05	1.16E-04	1.02E-05	3.56E-06	2.04E-05	2.43E-06	3.23E-06	1.07E-05	7.35E-07
6831	470124.84	3820788.81	3.74E-05	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.53E-06	2.02E-05	2.41E-06	3.21E-06	1.06E-05	7.29E-07
6832	470134.53	3820788.95	3.71E-05	1.56E-04	1.40E-05	3.09E-05	1.14E-04	1.01E-05	3.50E-06	2.01E-05	2.39E-06	3.18E-06	1.05E-05	7.24E-07
6833	470144.23	3820789.08	3.68E-05	1.55E-04	1.39E-05	3.07E-05	1.14E-04	9.99E-06	3.48E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.18E-07
6834	470153.93	3820789.22	3.65E-05	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.91E-06	3.45E-06	1.97E-05	2.36E-06	3.14E-06	1.03E-05	7.13E-07
6835	470163.62	3820789.35	3.62E-05	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.83E-06	3.42E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.07E-07
6836	470173.32	3820789.49	3.59E-05	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.75E-06	3.39E-06	1.94E-05	2.32E-06	3.08E-06	1.02E-05	7.01E-07
6837	470183.02	3820789.62	3.56E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.67E-06	3.36E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.95E-07
6838	470192.72	3820789.76	3.53E-05	1.48E-04	1.34E-05	2.94E-05	1.09E-04	9.58E-06	3.33E-06	1.91E-05	2.28E-06	3.03E-06	9.99E-06	6.89E-07
6839	470202.41	3820789.89	3.50E-05	1.47E-04	1.32E-05	2.92E-05	1.08E-04	9.50E-06	3.30E-06	1.89E-05	2.26E-06	3.00E-06	9.91E-06	6.83E-07
6840	470212.11	3820790.03	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.42E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.82E-06	6.77E-07
6841	470221.81	3820790.16	3.44E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.33E-06	3.25E-06	1.86E-05	2.22E-06	2.95E-06	9.73E-06	6.71E-07
6842	470231.51	3820790.3	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.65E-06	6.65E-07

6843	470241.2	3820790.43	3.38E-05	1.42E-04	1.28E-05	2.81E-05	1.04E-04	9.17E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.56E-06	6.59E-07
6844	470250.9	3820790.57	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.48E-06	6.53E-07
6845	470260.6	3820790.7	3.32E-05	1.39E-04	1.26E-05	2.76E-05	1.02E-04	9.01E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.39E-06	6.48E-07
6846	470076.07	3820864.43	3.53E-05	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.57E-06	3.33E-06	1.91E-05	2.27E-06	3.03E-06	9.98E-06	6.88E-07
6847	470067.21	3820860.6	3.56E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.66E-06	3.36E-06	1.92E-05	2.30E-06	3.06E-06	1.01E-05	6.95E-07
6848	470058.35	3820856.77	3.59E-05	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.75E-06	3.39E-06	1.94E-05	2.32E-06	3.08E-06	1.02E-05	7.01E-07
6849	470049.49	3820852.94	3.62E-05	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.84E-06	3.42E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.07E-07
6850	469969.75	3820818.45	3.86E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.08E-05	2.49E-06	3.31E-06	1.09E-05	7.52E-07
6851	469960.89	3820814.62	3.87E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.09E-05	2.50E-06	3.33E-06	1.10E-05	7.56E-07
6852	469952.03	3820810.79	3.89E-05	1.63E-04	1.47E-05	3.24E-05	1.20E-04	1.06E-05	3.67E-06	2.10E-05	2.51E-06	3.34E-06	1.10E-05	7.59E-07
6853	469943.17	3820806.96	3.91E-05	1.64E-04	1.48E-05	3.25E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.35E-06	1.11E-05	7.62E-07
6854	469934.31	3820803.13	3.92E-05	1.65E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.36E-06	1.11E-05	7.65E-07
6855	469925.45	3820799.3	3.93E-05	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.13E-05	2.54E-06	3.37E-06	1.11E-05	7.67E-07
6856	469916.59	3820795.46	3.94E-05	1.66E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.12E-05	7.69E-07
6857	469907.73	3820791.63	3.95E-05	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.71E-07
6858	469898.87	3820787.8	3.95E-05	1.66E-04	1.50E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.72E-07
6859	469890.01	3820783.97	3.96E-05	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.07E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.72E-07
6860	469881.15	3820780.14	3.96E-05	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.07E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.73E-07
6861	469872.29	3820776.31	3.96E-05	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.07E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.72E-07
6862	469863.42	3820772.48	3.96E-05	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.07E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.72E-07
6863	469854.56	3820768.64	3.95E-05	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.14E-05	2.55E-06	3.39E-06	1.12E-05	7.71E-07
6864	469845.7	3820764.81	3.95E-05	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.70E-07
6865	469836.84	3820760.98	3.94E-05	1.65E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.69E-07
6866	469827.98	3820757.15	3.93E-05	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.67E-07
6867	469819.12	3820753.32	3.92E-05	1.65E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.36E-06	1.11E-05	7.65E-07
6868	469810.26	3820749.49	3.91E-05	1.64E-04	1.48E-05	3.25E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.35E-06	1.11E-05	7.62E-07
6869	469801.4	3820745.66	3.89E-05	1.63E-04	1.47E-05	3.24E-05	1.20E-04	1.06E-05	3.68E-06	2.10E-05	2.51E-06	3.34E-06	1.10E-05	7.59E-07
6870	469792.54	3820741.82	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.56E-07
6871	469783.68	3820737.99	3.86E-05	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
6872	469774.82	3820734.16	3.84E-05	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
6873	469765.96	3820730.33	3.82E-05	1.61E-04	1.45E-05	3.18E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.47E-06	3.28E-06	1.08E-05	7.46E-07
6874	469757.1	3820726.5	3.80E-05	1.60E-04	1.44E-05	3.17E-05	1.17E-04	1.03E-05	3.59E-06	2.05E-05	2.45E-06	3.26E-06	1.08E-05	7.42E-07
6875	469748.24	3820722.67	3.78E-05	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.57E-06	2.04E-05	2.44E-06	3.24E-06	1.07E-05	7.37E-07
6876	469739.38	3820718.84	3.76E-05	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.33E-07
6877	469730.52	3820715	3.73E-05	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.52E-06	2.02E-05	2.41E-06	3.20E-06	1.06E-05	7.28E-07
6878	469721.66	3820711.17	3.71E-05	1.56E-04	1.40E-05	3.09E-05	1.14E-04	1.01E-05	3.50E-06	2.00E-05	2.39E-06	3.18E-06	1.05E-05	7.23E-07
6879	469712.8	3820707.34	3.68E-05	1.55E-04	1.39E-05	3.07E-05	1.14E-04	9.99E-06	3.48E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.18E-07
6880	469703.94	3820703.51	3.66E-05	1.54E-04	1.38E-05	3.04E-05	1.13E-04	9.92E-06	3.45E-06	1.98E-05	2.36E-06	3.14E-06	1.03E-05	7.13E-07
6881	469624.2	3820669.03	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.92E-06	9.64E-06	6.65E-07
6882	469615.33	3820665.2	3.38E-05	1.42E-04	1.28E-05	2.81E-05	1.04E-04	9.17E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.56E-06	6.59E-07
6883	469606.47	3820661.36	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.10E-06	3.16E-06	1.81E-05	2.16E-06	2.88E-06	9.48E-06	6.54E-07
6884	469597.61	3820657.53	3.32E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.02E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.41E-06	6.48E-07

6885	469588.75	3820653.7	3.30E-05	1.38E-04	1.25E-05	2.75E-05	1.02E-04	8.95E-06	3.11E-06	1.78E-05	2.13E-06	2.83E-06	9.33E-06	6.43E-07
6886	469579.89	3820649.87	3.27E-05	1.37E-04	1.24E-05	2.72E-05	1.01E-04	8.87E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.25E-06	6.38E-07
6887	469571.03	3820646.04	3.24E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.17E-06	6.32E-07
6888	469562.17	3820642.21	3.21E-05	1.35E-04	1.22E-05	2.68E-05	9.92E-05	8.73E-06	3.04E-06	1.74E-05	2.07E-06	2.76E-06	9.10E-06	6.27E-07
6889	469553.31	3820638.38	3.19E-05	1.34E-04	1.21E-05	2.66E-05	9.84E-05	8.66E-06	3.01E-06	1.72E-05	2.06E-06	2.74E-06	9.03E-06	6.22E-07
6890	469544.45	3820634.54	3.16E-05	1.33E-04	1.20E-05	2.63E-05	9.76E-05	8.59E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.95E-06	6.17E-07
6891	469535.59	3820630.71	3.14E-05	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.52E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
6892	469526.73	3820626.88	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.61E-05	8.45E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.82E-06	6.08E-07
6893	469517.87	3820623.05	3.09E-05	1.30E-04	1.17E-05	2.57E-05	9.54E-05	8.39E-06	2.92E-06	1.67E-05	1.99E-06	2.65E-06	8.75E-06	6.03E-07
6894	469509.01	3820619.22	3.07E-05	1.29E-04	1.16E-05	2.55E-05	9.46E-05	8.32E-06	2.90E-06	1.66E-05	1.98E-06	2.63E-06	8.68E-06	5.98E-07
6895	469500.15	3820615.39	3.04E-05	1.28E-04	1.15E-05	2.53E-05	9.39E-05	8.26E-06	2.87E-06	1.65E-05	1.96E-06	2.61E-06	8.61E-06	5.94E-07
6896	469491.29	3820611.56	3.02E-05	1.27E-04	1.14E-05	2.52E-05	9.32E-05	8.20E-06	2.85E-06	1.63E-05	1.95E-06	2.59E-06	8.55E-06	5.89E-07
6897	469482.43	3820607.72	3.00E-05	1.26E-04	1.13E-05	2.50E-05	9.25E-05	8.14E-06	2.83E-06	1.62E-05	1.93E-06	2.57E-06	8.49E-06	5.85E-07
6898	469473.57	3820603.89	2.98E-05	1.25E-04	1.13E-05	2.48E-05	9.19E-05	8.08E-06	2.81E-06	1.61E-05	1.92E-06	2.56E-06	8.43E-06	5.81E-07
6899	469464.71	3820600.06	2.96E-05	1.24E-04	1.12E-05	2.46E-05	9.12E-05	8.03E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.37E-06	5.77E-07
6900	469455.85	3820596.23	2.94E-05	1.23E-04	1.11E-05	2.45E-05	9.06E-05	7.97E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.31E-06	5.73E-07
6901	469446.99	3820592.4	2.92E-05	1.23E-04	1.10E-05	2.43E-05	9.00E-05	7.92E-06	2.75E-06	1.58E-05	1.88E-06	2.50E-06	8.26E-06	5.69E-07
6902	469438.13	3820588.57	2.90E-05	1.22E-04	1.10E-05	2.41E-05	8.94E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.20E-06	5.65E-07
6903	469429.27	3820584.73	2.88E-05	1.21E-04	1.09E-05	2.40E-05	8.88E-05	7.81E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.15E-06	5.62E-07
6904	469420.41	3820580.9	2.86E-05	1.20E-04	1.08E-05	2.38E-05	8.82E-05	7.76E-06	2.70E-06	1.55E-05	1.84E-06	2.45E-06	8.09E-06	5.58E-07
6905	469411.55	3820577.07	2.84E-05	1.19E-04	1.07E-05	2.37E-05	8.77E-05	7.71E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.04E-06	5.54E-07
6906	469402.69	3820573.24	2.82E-05	1.19E-04	1.07E-05	2.35E-05	8.71E-05	7.66E-06	2.67E-06	1.53E-05	1.82E-06	2.42E-06	7.99E-06	5.51E-07
6907	469393.83	3820569.41	2.81E-05	1.18E-04	1.06E-05	2.34E-05	8.66E-05	7.62E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.94E-06	5.48E-07
6908	469384.97	3820565.58	2.79E-05	1.17E-04	1.05E-05	2.32E-05	8.60E-05	7.57E-06	2.63E-06	1.51E-05	1.80E-06	2.39E-06	7.89E-06	5.44E-07
6909	469376.11	3820561.75	2.77E-05	1.16E-04	1.05E-05	2.31E-05	8.55E-05	7.52E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.84E-06	5.41E-07
6910	469367.25	3820557.91	2.75E-05	1.16E-04	1.04E-05	2.29E-05	8.50E-05	7.48E-06	2.60E-06	1.49E-05	1.78E-06	2.36E-06	7.79E-06	5.37E-07
6911	469358.38	3820554.08	2.74E-05	1.15E-04	1.03E-05	2.28E-05	8.44E-05	7.43E-06	2.58E-06	1.48E-05	1.76E-06	2.35E-06	7.75E-06	5.34E-07
6912	469349.52	3820550.25	2.72E-05	1.14E-04	1.03E-05	2.27E-05	8.39E-05	7.38E-06	2.57E-06	1.47E-05	1.75E-06	2.33E-06	7.70E-06	5.31E-07
6913	469340.66	3820546.42	2.70E-05	1.14E-04	1.02E-05	2.25E-05	8.34E-05	7.34E-06	2.55E-06	1.46E-05	1.74E-06	2.32E-06	7.65E-06	5.27E-07
6914	469331.8	3820542.59	2.69E-05	1.13E-04	1.02E-05	2.24E-05	8.29E-05	7.29E-06	2.54E-06	1.45E-05	1.73E-06	2.31E-06	7.60E-06	5.24E-07
6915	469296.36	3820527.26	2.62E-05	1.10E-04	9.90E-06	2.18E-05	8.08E-05	7.11E-06	2.47E-06	1.42E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
6916	469287.5	3820523.43	2.60E-05	1.09E-04	9.84E-06	2.17E-05	8.03E-05	7.06E-06	2.46E-06	1.41E-05	1.68E-06	2.23E-06	7.36E-06	5.08E-07
6917	469278.64	3820519.6	2.58E-05	1.09E-04	9.77E-06	2.15E-05	7.97E-05	7.02E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.32E-06	5.04E-07
6918	469269.78	3820515.77	2.57E-05	1.08E-04	9.71E-06	2.14E-05	7.92E-05	6.97E-06	2.42E-06	1.39E-05	1.66E-06	2.20E-06	7.27E-06	5.01E-07
6919	469260.92	3820511.94	2.55E-05	1.07E-04	9.64E-06	2.12E-05	7.86E-05	6.92E-06	2.41E-06	1.38E-05	1.64E-06	2.19E-06	7.21E-06	4.97E-07
6920	469252.06	3820508.11	2.53E-05	1.06E-04	9.57E-06	2.11E-05	7.81E-05	6.87E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.16E-06	4.94E-07
6921	469243.2	3820504.27	2.51E-05	1.06E-04	9.50E-06	2.09E-05	7.75E-05	6.82E-06	2.37E-06	1.36E-05	1.62E-06	2.16E-06	7.11E-06	4.90E-07
6922	469234.34	3820500.44	2.49E-05	1.05E-04	9.43E-06	2.08E-05	7.69E-05	6.77E-06	2.35E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.87E-07
6923	469225.48	3820496.61	2.47E-05	1.04E-04	9.36E-06	2.06E-05	7.64E-05	6.72E-06	2.34E-06	1.34E-05	1.60E-06	2.12E-06	7.00E-06	4.83E-07
6924	469216.62	3820492.78	2.46E-05	1.03E-04	9.29E-06	2.05E-05	7.58E-05	6.67E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.95E-06	4.79E-07
6925	469207.76	3820488.95	2.44E-05	1.02E-04	9.21E-06	2.03E-05	7.52E-05	6.61E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.90E-06	4.75E-07
6926	469198.9	3820485.12	2.42E-05	1.01E-04	9.14E-06	2.01E-05	7.46E-05	6.56E-06	2.28E-06	1.31E-05	1.56E-06	2.07E-06	6.84E-06	4.71E-07

6927	469190.04	3820481.29	2.40E-05	1.01E-04	9.06E-06	2.00E-05	7.40E-05	6.51E-06	2.26E-06	1.30E-05	1.55E-06	2.06E-06	6.78E-06	4.68E-07
6928	469181.18	3820477.45	2.38E-05	9.98E-05	8.99E-06	1.98E-05	7.33E-05	6.45E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.73E-06	4.64E-07
6929	469172.32	3820473.62	2.36E-05	9.89E-05	8.91E-06	1.96E-05	7.27E-05	6.39E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.67E-06	4.60E-07
6930	469163.46	3820469.79	2.34E-05	9.81E-05	8.83E-06	1.94E-05	7.21E-05	6.34E-06	2.20E-06	1.26E-05	1.51E-06	2.00E-06	6.61E-06	4.56E-07
6931	469154.6	3820465.96	2.31E-05	9.72E-05	8.75E-06	1.93E-05	7.14E-05	6.28E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.55E-06	4.52E-07
6932	469145.74	3820462.13	2.29E-05	9.63E-05	8.67E-06	1.91E-05	7.07E-05	6.22E-06	2.16E-06	1.24E-05	1.48E-06	1.97E-06	6.49E-06	4.47E-07
6933	469136.88	3820458.3	2.27E-05	9.54E-05	8.59E-06	1.89E-05	7.01E-05	6.16E-06	2.14E-06	1.23E-05	1.46E-06	1.95E-06	6.43E-06	4.43E-07
6934	469128.02	3820454.47	2.25E-05	9.44E-05	8.50E-06	1.87E-05	6.94E-05	6.10E-06	2.12E-06	1.22E-05	1.45E-06	1.93E-06	6.36E-06	4.39E-07
6935	469119.16	3820450.63	2.23E-05	9.35E-05	8.42E-06	1.85E-05	6.87E-05	6.04E-06	2.10E-06	1.20E-05	1.44E-06	1.91E-06	6.30E-06	4.34E-07
6936	469110.3	3820446.8	2.20E-05	9.25E-05	8.33E-06	1.83E-05	6.80E-05	5.98E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.24E-06	4.30E-07
6937	469101.43	3820442.97	2.18E-05	9.15E-05	8.24E-06	1.82E-05	6.72E-05	5.92E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.17E-06	4.25E-07
6938	469092.57	3820439.14	2.16E-05	9.05E-05	8.15E-06	1.80E-05	6.65E-05	5.85E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.10E-06	4.21E-07
6939	469080.19	3820426.32	2.12E-05	8.92E-05	8.04E-06	1.77E-05	6.56E-05	5.77E-06	2.01E-06	1.15E-05	1.37E-06	1.82E-06	6.01E-06	4.15E-07
6940	469076.66	3820417.34	2.12E-05	8.89E-05	8.01E-06	1.76E-05	6.53E-05	5.75E-06	2.00E-06	1.14E-05	1.37E-06	1.82E-06	5.99E-06	4.13E-07
6941	469073.13	3820408.35	2.11E-05	8.86E-05	7.98E-06	1.76E-05	6.51E-05	5.73E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.97E-06	4.12E-07
6942	469069.6	3820399.37	2.10E-05	8.82E-05	7.94E-06	1.75E-05	6.48E-05	5.70E-06	1.98E-06	1.14E-05	1.36E-06	1.80E-06	5.95E-06	4.10E-07
6943	469066.07	3820390.38	2.09E-05	8.78E-05	7.91E-06	1.74E-05	6.45E-05	5.68E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.92E-06	4.08E-07
6944	469062.54	3820381.4	2.08E-05	8.74E-05	7.87E-06	1.73E-05	6.42E-05	5.65E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
6945	469059.01	3820372.41	2.07E-05	8.70E-05	7.83E-06	1.73E-05	6.39E-05	5.62E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.86E-06	4.04E-07
6946	469055.49	3820363.43	2.06E-05	8.65E-05	7.79E-06	1.72E-05	6.36E-05	5.59E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.83E-06	4.02E-07
6947	469051.96	3820354.44	2.05E-05	8.60E-05	7.75E-06	1.71E-05	6.32E-05	5.56E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.80E-06	4.00E-07
6948	469048.43	3820345.46	2.04E-05	8.55E-05	7.70E-06	1.70E-05	6.29E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.77E-06	3.97E-07
6949	469044.9	3820336.47	2.02E-05	8.50E-05	7.65E-06	1.69E-05	6.25E-05	5.49E-06	1.91E-06	1.09E-05	1.31E-06	1.74E-06	5.73E-06	3.95E-07
6950	469041.37	3820327.49	2.01E-05	8.44E-05	7.60E-06	1.67E-05	6.20E-05	5.46E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.69E-06	3.92E-07
6951	469037.84	3820318.5	2.00E-05	8.38E-05	7.55E-06	1.66E-05	6.16E-05	5.42E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.65E-06	3.89E-07
6952	469034.31	3820309.51	1.98E-05	8.32E-05	7.49E-06	1.65E-05	6.11E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.61E-06	3.87E-07
6953	469030.79	3820300.53	1.97E-05	8.25E-05	7.43E-06	1.64E-05	6.07E-05	5.34E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.84E-07
6954	469027.26	3820291.54	1.95E-05	8.19E-05	7.37E-06	1.62E-05	6.02E-05	5.29E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.52E-06	3.80E-07
6955	469023.73	3820282.56	1.93E-05	8.12E-05	7.31E-06	1.61E-05	5.97E-05	5.25E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.47E-06	3.77E-07
6956	469020.2	3820273.57	1.92E-05	8.05E-05	7.25E-06	1.60E-05	5.91E-05	5.20E-06	1.81E-06	1.04E-05	1.24E-06	1.64E-06	5.42E-06	3.74E-07
6957	469016.67	3820264.59	1.90E-05	7.97E-05	7.18E-06	1.58E-05	5.86E-05	5.15E-06	1.79E-06	1.03E-05	1.22E-06	1.63E-06	5.37E-06	3.70E-07
6958	469013.14	3820255.6	1.88E-05	7.90E-05	7.11E-06	1.57E-05	5.80E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.61E-06	5.32E-06	3.67E-07
6959	469009.61	3820246.62	1.86E-05	7.82E-05	7.04E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.27E-06	3.63E-07
6960	469006.09	3820237.63	1.84E-05	7.74E-05	6.97E-06	1.54E-05	5.69E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
6961	469002.56	3820228.65	1.82E-05	7.66E-05	6.90E-06	1.52E-05	5.63E-05	4.95E-06	1.72E-06	9.86E-06	1.18E-06	1.57E-06	5.16E-06	3.56E-07
6962	468999.03	3820219.66	1.80E-05	7.57E-05	6.82E-06	1.50E-05	5.57E-05	4.90E-06	1.70E-06	9.75E-06	1.16E-06	1.55E-06	5.10E-06	3.52E-07
6963	468995.5	3820210.68	1.78E-05	7.49E-05	6.74E-06	1.49E-05	5.50E-05	4.84E-06	1.68E-06	9.64E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
6964	468991.97	3820201.69	1.76E-05	7.40E-05	6.67E-06	1.47E-05	5.44E-05	4.78E-06	1.66E-06	9.53E-06	1.14E-06	1.51E-06	4.99E-06	3.44E-07
6965	468988.44	3820192.71	1.74E-05	7.31E-05	6.59E-06	1.45E-05	5.37E-05	4.73E-06	1.64E-06	9.41E-06	1.12E-06	1.49E-06	4.93E-06	3.40E-07
6966	468984.91	3820183.72	1.72E-05	7.22E-05	6.50E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.30E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
6967	468981.39	3820174.74	1.70E-05	7.13E-05	6.42E-06	1.41E-05	5.24E-05	4.61E-06	1.60E-06	9.18E-06	1.09E-06	1.46E-06	4.81E-06	3.31E-07
6968	468977.86	3820165.75	1.68E-05	7.04E-05	6.34E-06	1.40E-05	5.17E-05	4.55E-06	1.58E-06	9.06E-06	1.08E-06	1.44E-06	4.74E-06	3.27E-07

6969	468974.33	3820156.77	1.65E-05	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.49E-06	1.56E-06	8.94E-06	1.07E-06	1.42E-06	4.68E-06	3.23E-07
6970	468970.8	3820147.78	1.63E-05	6.84E-05	6.16E-06	1.36E-05	5.03E-05	4.42E-06	1.54E-06	8.81E-06	1.05E-06	1.40E-06	4.61E-06	3.18E-07
6971	468967.27	3820138.79	1.61E-05	6.75E-05	6.08E-06	1.34E-05	4.96E-05	4.36E-06	1.52E-06	8.69E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
6972	468963.74	3820129.81	1.58E-05	6.65E-05	5.99E-06	1.32E-05	4.89E-05	4.30E-06	1.50E-06	8.56E-06	1.02E-06	1.36E-06	4.48E-06	3.09E-07
6973	468960.21	3820120.82	1.56E-05	6.55E-05	5.90E-06	1.30E-05	4.81E-05	4.23E-06	1.47E-06	8.43E-06	1.01E-06	1.34E-06	4.41E-06	3.04E-07
6974	468956.69	3820111.84	1.54E-05	6.45E-05	5.81E-06	1.28E-05	4.74E-05	4.17E-06	1.45E-06	8.30E-06	9.90E-07	1.32E-06	4.35E-06	3.00E-07
6975	468953.16	3820102.85	1.51E-05	6.34E-05	5.71E-06	1.26E-05	4.66E-05	4.10E-06	1.43E-06	8.17E-06	9.74E-07	1.30E-06	4.28E-06	2.95E-07
6976	468949.63	3820093.87	1.49E-05	6.24E-05	5.62E-06	1.24E-05	4.59E-05	4.03E-06	1.40E-06	8.03E-06	9.58E-07	1.28E-06	4.21E-06	2.90E-07
6977	468946.1	3820084.88	1.46E-05	6.14E-05	5.53E-06	1.22E-05	4.51E-05	3.97E-06	1.38E-06	7.90E-06	9.43E-07	1.25E-06	4.14E-06	2.85E-07
6978	468942.57	3820075.9	1.44E-05	6.03E-05	5.43E-06	1.20E-05	4.43E-05	3.90E-06	1.36E-06	7.77E-06	9.27E-07	1.23E-06	4.07E-06	2.80E-07
6979	468939.04	3820066.91	1.41E-05	5.93E-05	5.34E-06	1.18E-05	4.36E-05	3.83E-06	1.33E-06	7.64E-06	9.11E-07	1.21E-06	4.00E-06	2.76E-07
6980	468935.51	3820057.93	1.39E-05	5.83E-05	5.25E-06	1.16E-05	4.28E-05	3.77E-06	1.31E-06	7.50E-06	8.95E-07	1.19E-06	3.93E-06	2.71E-07
6981	468914.34	3820004.02	1.24E-05	5.20E-05	4.68E-06	1.03E-05	3.82E-05	3.36E-06	1.17E-06	6.70E-06	7.99E-07	1.06E-06	3.51E-06	2.42E-07
6982	468910.81	3819995.03	1.21E-05	5.10E-05	4.59E-06	1.01E-05	3.74E-05	3.29E-06	1.15E-06	6.56E-06	7.83E-07	1.04E-06	3.43E-06	2.37E-07
6983	468907.29	3819986.05	1.19E-05	4.99E-05	4.49E-06	9.89E-06	3.67E-05	3.22E-06	1.12E-06	6.42E-06	7.66E-07	1.02E-06	3.36E-06	2.32E-07
6984	468903.76	3819977.06	1.16E-05	4.88E-05	4.40E-06	9.68E-06	3.59E-05	3.16E-06	1.10E-06	6.29E-06	7.50E-07	9.98E-07	3.29E-06	2.27E-07
6985	468900.23	3819968.07	1.14E-05	4.78E-05	4.30E-06	9.48E-06	3.51E-05	3.09E-06	1.07E-06	6.15E-06	7.34E-07	9.77E-07	3.22E-06	2.22E-07
6986	468896.7	3819959.09	1.11E-05	4.68E-05	4.21E-06	9.28E-06	3.44E-05	3.02E-06	1.05E-06	6.02E-06	7.19E-07	9.56E-07	3.15E-06	2.17E-07
6987	468893.17	3819950.1	1.09E-05	4.58E-05	4.12E-06	9.08E-06	3.36E-05	2.96E-06	1.03E-06	5.89E-06	7.03E-07	9.36E-07	3.09E-06	2.13E-07
6988	468889.64	3819941.12	1.07E-05	4.48E-05	4.03E-06	8.88E-06	3.29E-05	2.90E-06	1.01E-06	5.77E-06	6.88E-07	9.16E-07	3.02E-06	2.08E-07
6989	468886.11	3819932.13	1.04E-05	4.38E-05	3.94E-06	8.69E-06	3.22E-05	2.83E-06	9.85E-07	5.64E-06	6.73E-07	8.95E-07	2.95E-06	2.04E-07
6990	468882.59	3819923.15	1.02E-05	4.28E-05	3.86E-06	8.49E-06	3.15E-05	2.77E-06	9.63E-07	5.51E-06	6.58E-07	8.75E-07	2.89E-06	1.99E-07
6991	468879.06	3819914.16	9.97E-06	4.19E-05	3.77E-06	8.30E-06	3.08E-05	2.71E-06	9.41E-07	5.39E-06	6.43E-07	8.56E-07	2.82E-06	1.94E-07
6992	468875.53	3819905.18	9.74E-06	4.09E-05	3.68E-06	8.11E-06	3.01E-05	2.64E-06	9.20E-07	5.27E-06	6.28E-07	8.36E-07	2.76E-06	1.90E-07
6993	468872	3819896.19	9.52E-06	4.00E-05	3.60E-06	7.93E-06	2.94E-05	2.58E-06	8.99E-07	5.14E-06	6.14E-07	8.17E-07	2.69E-06	1.86E-07
6994	468868.47	3819887.21	9.29E-06	3.90E-05	3.51E-06	7.74E-06	2.87E-05	2.52E-06	8.78E-07	5.02E-06	5.99E-07	7.98E-07	2.63E-06	1.81E-07
6995	468864.94	3819878.22	9.08E-06	3.81E-05	3.43E-06	7.56E-06	2.80E-05	2.46E-06	8.57E-07	4.91E-06	5.86E-07	7.79E-07	2.57E-06	1.77E-07
6996	468861.41	3819869.24	8.86E-06	3.72E-05	3.35E-06	7.38E-06	2.73E-05	2.41E-06	8.37E-07	4.79E-06	5.72E-07	7.61E-07	2.51E-06	1.73E-07
6997	468857.88	3819860.25	8.65E-06	3.63E-05	3.27E-06	7.20E-06	2.67E-05	2.35E-06	8.17E-07	4.68E-06	5.58E-07	7.43E-07	2.45E-06	1.69E-07
6998	468854.36	3819851.27	8.44E-06	3.55E-05	3.19E-06	7.03E-06	2.61E-05	2.29E-06	7.97E-07	4.56E-06	5.45E-07	7.25E-07	2.39E-06	1.65E-07
6999	468850.83	3819842.28	8.23E-06	3.46E-05	3.11E-06	6.86E-06	2.54E-05	2.23E-06	7.77E-07	4.45E-06	5.31E-07	7.07E-07	2.33E-06	1.61E-07
7000	468847.3	3819833.3	8.02E-06	3.37E-05	3.03E-06	6.68E-06	2.48E-05	2.18E-06	7.58E-07	4.34E-06	5.18E-07	6.89E-07	2.27E-06	1.57E-07
7001	468843.77	3819824.31	7.83E-06	3.29E-05	2.96E-06	6.52E-06	2.42E-05	2.12E-06	7.39E-07	4.23E-06	5.05E-07	6.72E-07	2.22E-06	1.53E-07
7002	468840.24	3819815.33	7.63E-06	3.21E-05	2.89E-06	6.36E-06	2.36E-05	2.07E-06	7.21E-07	4.13E-06	4.92E-07	6.55E-07	2.16E-06	1.49E-07
7003	468836.71	3819806.34	7.45E-06	3.13E-05	2.82E-06	6.20E-06	2.30E-05	2.02E-06	7.03E-07	4.03E-06	4.80E-07	6.39E-07	2.11E-06	1.45E-07
7004	468833.18	3819797.35	7.26E-06	3.05E-05	2.75E-06	6.05E-06	2.24E-05	1.97E-06	6.86E-07	3.93E-06	4.69E-07	6.24E-07	2.06E-06	1.42E-07
7005	468829.66	3819788.37	7.09E-06	2.98E-05	2.68E-06	5.90E-06	2.19E-05	1.92E-06	6.69E-07	3.83E-06	4.57E-07	6.08E-07	2.01E-06	1.38E-07
7006	468826.13	3819779.38	6.91E-06	2.90E-05	2.61E-06	5.76E-06	2.13E-05	1.88E-06	6.53E-07	3.74E-06	4.46E-07	5.93E-07	1.96E-06	1.35E-07
7007	468822.6	3819770.4	6.74E-06	2.83E-05	2.55E-06	5.62E-06	2.08E-05	1.83E-06	6.37E-07	3.65E-06	4.35E-07	5.79E-07	1.91E-06	1.32E-07
7008	468819.07	3819761.41	6.58E-06	2.76E-05	2.49E-06	5.48E-06	2.03E-05	1.79E-06	6.21E-07	3.55E-06	4.24E-07	5.65E-07	1.86E-06	1.28E-07
7009	468815.54	3819752.43	6.41E-06	2.69E-05	2.43E-06	5.34E-06	1.98E-05	1.74E-06	6.06E-07	3.47E-06	4.14E-07	5.50E-07	1.82E-06	1.25E-07
7010	468812.01	3819743.44	6.25E-06	2.63E-05	2.37E-06	5.21E-06	1.93E-05	1.70E-06	5.91E-07	3.38E-06	4.03E-07	5.37E-07	1.77E-06	1.22E-07

7011	468808.48	3819734.46	6.10E-06	2.56E-05	2.31E-06	5.08E-06	1.88E-05	1.66E-06	5.76E-07	3.30E-06	3.93E-07	5.24E-07	1.73E-06	1.19E-07
7012	468804.96	3819725.47	5.95E-06	2.50E-05	2.25E-06	4.96E-06	1.84E-05	1.62E-06	5.62E-07	3.22E-06	3.84E-07	5.11E-07	1.68E-06	1.16E-07
7013	468801.43	3819716.49	5.81E-06	2.44E-05	2.20E-06	4.84E-06	1.79E-05	1.58E-06	5.48E-07	3.14E-06	3.75E-07	4.98E-07	1.64E-06	1.13E-07
7014	468797.9	3819707.5	5.67E-06	2.38E-05	2.14E-06	4.72E-06	1.75E-05	1.54E-06	5.35E-07	3.06E-06	3.66E-07	4.86E-07	1.60E-06	1.11E-07
7015	468794.37	3819698.52	5.53E-06	2.32E-05	2.09E-06	4.61E-06	1.71E-05	1.50E-06	5.22E-07	2.99E-06	3.57E-07	4.75E-07	1.57E-06	1.08E-07
7016	468790.84	3819689.53	5.40E-06	2.27E-05	2.04E-06	4.50E-06	1.67E-05	1.47E-06	5.10E-07	2.92E-06	3.48E-07	4.64E-07	1.53E-06	1.05E-07
7017	468787.31	3819680.55	5.27E-06	2.21E-05	1.99E-06	4.39E-06	1.63E-05	1.43E-06	4.98E-07	2.85E-06	3.40E-07	4.53E-07	1.49E-06	1.03E-07
7018	468783.78	3819671.56	5.15E-06	2.16E-05	1.95E-06	4.29E-06	1.59E-05	1.40E-06	4.87E-07	2.79E-06	3.32E-07	4.42E-07	1.46E-06	1.01E-07
7019	468780.26	3819662.58	5.03E-06	2.11E-05	1.90E-06	4.19E-06	1.55E-05	1.37E-06	4.75E-07	2.72E-06	3.25E-07	4.32E-07	1.42E-06	9.82E-08
7020	468776.73	3819653.59	4.92E-06	2.06E-05	1.86E-06	4.10E-06	1.52E-05	1.33E-06	4.64E-07	2.66E-06	3.17E-07	4.22E-07	1.39E-06	9.59E-08
7021	468773.2	3819644.61	4.81E-06	2.02E-05	1.82E-06	4.00E-06	1.48E-05	1.30E-06	4.54E-07	2.60E-06	3.10E-07	4.13E-07	1.36E-06	9.38E-08
7022	468769.67	3819635.62	4.70E-06	1.97E-05	1.78E-06	3.91E-06	1.45E-05	1.28E-06	4.44E-07	2.54E-06	3.03E-07	4.03E-07	1.33E-06	9.17E-08
7023	468766.14	3819626.63	4.59E-06	1.93E-05	1.74E-06	3.83E-06	1.42E-05	1.25E-06	4.34E-07	2.48E-06	2.96E-07	3.94E-07	1.30E-06	8.96E-08
7024	468762.61	3819617.65	4.50E-06	1.89E-05	1.70E-06	3.75E-06	1.39E-05	1.22E-06	4.25E-07	2.43E-06	2.90E-07	3.86E-07	1.27E-06	8.78E-08
7025	468759.08	3819608.66	4.04E-06	1.70E-05	1.53E-06	3.37E-06	1.25E-05	1.10E-06	3.82E-07	2.18E-06	2.61E-07	3.47E-07	1.14E-06	7.88E-08
7026	468755.56	3819599.68	3.96E-06	1.66E-05	1.50E-06	3.30E-06	1.22E-05	1.07E-06	3.74E-07	2.14E-06	2.55E-07	3.40E-07	1.12E-06	7.73E-08
7027	468752.03	3819590.69	3.88E-06	1.63E-05	1.47E-06	3.23E-06	1.20E-05	1.05E-06	3.66E-07	2.10E-06	2.50E-07	3.33E-07	1.10E-06	7.57E-08
7028	468748.5	3819581.71	3.80E-06	1.59E-05	1.44E-06	3.16E-06	1.17E-05	1.03E-06	3.58E-07	2.05E-06	2.45E-07	3.26E-07	1.07E-06	7.41E-08
7029	468744.97	3819572.72	3.72E-06	1.56E-05	1.41E-06	3.10E-06	1.15E-05	1.01E-06	3.51E-07	2.01E-06	2.40E-07	3.19E-07	1.05E-06	7.26E-08
7030	468741.44	3819563.74	3.65E-06	1.53E-05	1.38E-06	3.04E-06	1.13E-05	9.91E-07	3.45E-07	1.97E-06	2.36E-07	3.13E-07	1.03E-06	7.12E-08
7031	468737.91	3819554.75	3.59E-06	1.51E-05	1.36E-06	2.99E-06	1.11E-05	9.75E-07	3.39E-07	1.94E-06	2.32E-07	3.08E-07	1.02E-06	7.01E-08
7032	468734.38	3819545.77	3.53E-06	1.48E-05	1.34E-06	2.94E-06	1.09E-05	9.59E-07	3.33E-07	1.91E-06	2.28E-07	3.03E-07	9.99E-07	6.89E-08
7033	468730.86	3819536.78	3.47E-06	1.46E-05	1.31E-06	2.89E-06	1.07E-05	9.43E-07	3.28E-07	1.88E-06	2.24E-07	2.98E-07	9.83E-07	6.78E-08
7034	468727.33	3819527.8	3.42E-06	1.44E-05	1.29E-06	2.85E-06	1.06E-05	9.28E-07	3.23E-07	1.85E-06	2.21E-07	2.94E-07	9.68E-07	6.67E-08
7035	468723.8	3819518.81	3.39E-06	1.42E-05	1.28E-06	2.82E-06	1.05E-05	9.19E-07	3.20E-07	1.83E-06	2.18E-07	2.91E-07	9.59E-07	6.61E-08
7036	468720.27	3819509.83	3.35E-06	1.41E-05	1.27E-06	2.79E-06	1.03E-05	9.10E-07	3.17E-07	1.81E-06	2.16E-07	2.88E-07	9.49E-07	6.54E-08
7037	468716.74	3819500.84	3.32E-06	1.40E-05	1.26E-06	2.77E-06	1.03E-05	9.02E-07	3.14E-07	1.80E-06	2.14E-07	2.85E-07	9.41E-07	6.49E-08
7038	468713.21	3819491.86	3.29E-06	1.38E-05	1.24E-06	2.74E-06	1.02E-05	8.93E-07	3.11E-07	1.78E-06	2.12E-07	2.82E-07	9.31E-07	6.42E-08
7039	468709.68	3819482.87	3.26E-06	1.37E-05	1.23E-06	2.72E-06	1.01E-05	8.85E-07	3.08E-07	1.76E-06	2.10E-07	2.80E-07	9.23E-07	6.36E-08
7040	468706.16	3819473.89	3.23E-06	1.36E-05	1.22E-06	2.69E-06	9.98E-06	8.78E-07	3.05E-07	1.75E-06	2.09E-07	2.78E-07	9.15E-07	6.31E-08
7041	468702.63	3819464.9	3.20E-06	1.35E-05	1.21E-06	2.67E-06	9.89E-06	8.70E-07	3.03E-07	1.73E-06	2.07E-07	2.75E-07	9.07E-07	6.25E-08
7042	468699.1	3819455.91	3.18E-06	1.34E-05	1.20E-06	2.65E-06	9.81E-06	8.63E-07	3.00E-07	1.72E-06	2.05E-07	2.73E-07	9.00E-07	6.20E-08
7043	468695.57	3819446.93	3.16E-06	1.33E-05	1.20E-06	2.63E-06	9.75E-06	8.58E-07	2.98E-07	1.71E-06	2.04E-07	2.71E-07	8.95E-07	6.17E-08
7044	468692.04	3819437.94	3.14E-06	1.32E-05	1.19E-06	2.61E-06	9.68E-06	8.51E-07	2.96E-07	1.70E-06	2.02E-07	2.69E-07	8.88E-07	6.12E-08
7045	468688.51	3819428.96	3.12E-06	1.31E-05	1.18E-06	2.60E-06	9.62E-06	8.46E-07	2.94E-07	1.69E-06	2.01E-07	2.68E-07	8.82E-07	6.08E-08
7046	470084.93	3820868.26	3.49E-05	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.48E-06	3.30E-06	1.89E-05	2.25E-06	3.00E-06	9.89E-06	6.82E-07
7047	470094.63	3820868.4	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.42E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.82E-06	6.77E-07
7048	470104.33	3820868.53	3.45E-05	1.45E-04	1.30E-05	2.87E-05	1.06E-04	9.36E-06	3.25E-06	1.86E-05	2.22E-06	2.96E-06	9.76E-06	6.73E-07
7049	470114.03	3820868.67	3.42E-05	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.29E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.69E-06	6.68E-07
7050	470123.72	3820868.8	3.40E-05	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.22E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.62E-06	6.63E-07
7051	470133.42	3820868.94	3.37E-05	1.42E-04	1.28E-05	2.81E-05	1.04E-04	9.16E-06	3.18E-06	1.82E-05	2.18E-06	2.90E-06	9.55E-06	6.58E-07
7052	470143.12	3820869.07	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.47E-06	6.53E-07

7053	470152.81	3820869.21	3.32E-05	1.39E-04	1.26E-05	2.77E-05	1.02E-04	9.02E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
7054	470162.51	3820869.34	3.29E-05	1.38E-04	1.25E-05	2.74E-05	1.02E-04	8.94E-06	3.11E-06	1.78E-05	2.13E-06	2.83E-06	9.33E-06	6.43E-07
7055	470172.21	3820869.48	3.27E-05	1.37E-04	1.24E-05	2.72E-05	1.01E-04	8.87E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.25E-06	6.38E-07
7056	470181.91	3820869.61	3.24E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.17E-06	6.32E-07
7057	470191.6	3820869.75	3.21E-05	1.35E-04	1.22E-05	2.68E-05	9.92E-05	8.72E-06	3.03E-06	1.74E-05	2.07E-06	2.76E-06	9.10E-06	6.27E-07
7058	470201.3	3820869.88	3.19E-05	1.34E-04	1.20E-05	2.65E-05	9.83E-05	8.65E-06	3.01E-06	1.72E-05	2.05E-06	2.73E-06	9.02E-06	6.22E-07
7059	470211	3820870.02	3.16E-05	1.33E-04	1.19E-05	2.63E-05	9.75E-05	8.57E-06	2.98E-06	1.71E-05	2.04E-06	2.71E-06	8.94E-06	6.16E-07
7060	470220.69	3820870.15	3.13E-05	1.31E-04	1.18E-05	2.61E-05	9.66E-05	8.50E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.86E-06	6.11E-07
7061	470230.39	3820870.29	3.10E-05	1.30E-04	1.17E-05	2.59E-05	9.58E-05	8.43E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.79E-06	6.06E-07
7062	470240.09	3820870.42	3.08E-05	1.29E-04	1.16E-05	2.56E-05	9.50E-05	8.35E-06	2.91E-06	1.66E-05	1.98E-06	2.64E-06	8.71E-06	6.00E-07
7063	470249.79	3820870.56	3.05E-05	1.28E-04	1.15E-05	2.54E-05	9.41E-05	8.28E-06	2.88E-06	1.65E-05	1.97E-06	2.62E-06	8.63E-06	5.95E-07
7064	470259.48	3820870.69	3.02E-05	1.27E-04	1.14E-05	2.52E-05	9.33E-05	8.21E-06	2.86E-06	1.63E-05	1.95E-06	2.60E-06	8.56E-06	5.90E-07
7065	470074.93	3820944.41	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.94E-05	8.75E-06	3.04E-06	1.74E-05	2.08E-06	2.77E-06	9.12E-06	6.29E-07
7066	470066.04	3820940.57	3.25E-05	1.37E-04	1.23E-05	2.71E-05	1.00E-04	8.83E-06	3.07E-06	1.76E-05	2.10E-06	2.79E-06	9.21E-06	6.35E-07
7067	470057.16	3820936.72	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.91E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.40E-07
7068	470048.27	3820932.88	3.31E-05	1.39E-04	1.25E-05	2.76E-05	1.02E-04	8.99E-06	3.13E-06	1.79E-05	2.14E-06	2.84E-06	9.37E-06	6.46E-07
7069	470039.38	3820929.04	3.34E-05	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.06E-06	3.15E-06	1.81E-05	2.15E-06	2.87E-06	9.45E-06	6.52E-07
7070	470030.49	3820925.2	3.37E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.14E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.53E-06	6.57E-07
7071	470021.61	3820921.35	3.39E-05	1.42E-04	1.28E-05	2.83E-05	1.05E-04	9.21E-06	3.20E-06	1.83E-05	2.19E-06	2.91E-06	9.60E-06	6.62E-07
7072	469994.94	3820909.82	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.41E-06	3.27E-06	1.87E-05	2.24E-06	2.98E-06	9.82E-06	6.77E-07
7073	469986.06	3820905.98	3.49E-05	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.47E-06	3.29E-06	1.89E-05	2.25E-06	3.00E-06	9.88E-06	6.81E-07
7074	469977.17	3820902.14	3.51E-05	1.47E-04	1.33E-05	2.92E-05	1.08E-04	9.53E-06	3.31E-06	1.90E-05	2.26E-06	3.01E-06	9.93E-06	6.85E-07
7075	469968.28	3820898.29	3.53E-05	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.57E-06	3.33E-06	1.91E-05	2.27E-06	3.03E-06	9.98E-06	6.88E-07
7076	469959.39	3820894.45	3.54E-05	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.62E-06	3.35E-06	1.92E-05	2.29E-06	3.04E-06	1.00E-05	6.92E-07
7077	469950.51	3820890.61	3.56E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.67E-06	3.36E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.95E-07
7078	469941.62	3820886.76	3.58E-05	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.71E-06	3.38E-06	1.93E-05	2.31E-06	3.07E-06	1.01E-05	6.98E-07
7079	469932.73	3820882.92	3.59E-05	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.75E-06	3.39E-06	1.94E-05	2.32E-06	3.08E-06	1.02E-05	7.01E-07
7080	469923.84	3820879.08	3.60E-05	1.51E-04	1.36E-05	3.00E-05	1.11E-04	9.78E-06	3.40E-06	1.95E-05	2.32E-06	3.09E-06	1.02E-05	7.03E-07
7081	469914.96	3820875.23	3.61E-05	1.52E-04	1.37E-05	3.01E-05	1.11E-04	9.81E-06	3.41E-06	1.95E-05	2.33E-06	3.10E-06	1.02E-05	7.05E-07
7082	469906.07	3820871.39	3.62E-05	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.83E-06	3.42E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.07E-07
7083	469897.18	3820867.55	3.63E-05	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.85E-06	3.43E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.08E-07
7084	469888.29	3820863.7	3.63E-05	1.53E-04	1.37E-05	3.03E-05	1.12E-04	9.86E-06	3.43E-06	1.96E-05	2.34E-06	3.12E-06	1.03E-05	7.09E-07
7085	469879.4	3820859.86	3.64E-05	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.87E-06	3.43E-06	1.97E-05	2.35E-06	3.12E-06	1.03E-05	7.09E-07
7086	469870.52	3820856.02	3.64E-05	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.88E-06	3.44E-06	1.97E-05	2.35E-06	3.12E-06	1.03E-05	7.10E-07
7087	469861.63	3820852.17	3.64E-05	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.87E-06	3.43E-06	1.97E-05	2.35E-06	3.12E-06	1.03E-05	7.10E-07
7088	469852.74	3820848.33	3.64E-05	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.87E-06	3.43E-06	1.97E-05	2.35E-06	3.12E-06	1.03E-05	7.09E-07
7089	469781.64	3820817.58	3.57E-05	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.70E-06	3.37E-06	1.93E-05	2.30E-06	3.07E-06	1.01E-05	6.97E-07
7090	469772.75	3820813.74	3.56E-05	1.49E-04	1.35E-05	2.96E-05	1.10E-04	9.66E-06	3.36E-06	1.92E-05	2.30E-06	3.06E-06	1.01E-05	6.94E-07
7091	469763.87	3820809.9	3.54E-05	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.62E-06	3.35E-06	1.92E-05	2.29E-06	3.04E-06	1.00E-05	6.92E-07
7092	469754.98	3820806.05	3.53E-05	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.57E-06	3.33E-06	1.91E-05	2.27E-06	3.03E-06	9.98E-06	6.88E-07
7093	469746.09	3820802.21	3.51E-05	1.47E-04	1.33E-05	2.92E-05	1.08E-04	9.53E-06	3.31E-06	1.90E-05	2.26E-06	3.01E-06	9.93E-06	6.85E-07
7094	469737.2	3820798.37	3.49E-05	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.48E-06	3.30E-06	1.89E-05	2.25E-06	3.00E-06	9.88E-06	6.81E-07

7095	469728.32	3820794.52	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.42E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.77E-07
7096	469719.43	3820790.68	3.45E-05	1.45E-04	1.31E-05	2.87E-05	1.06E-04	9.37E-06	3.26E-06	1.87E-05	2.23E-06	2.96E-06	9.77E-06	6.73E-07
7097	469710.54	3820786.84	3.43E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.31E-06	3.24E-06	1.85E-05	2.21E-06	2.94E-06	9.71E-06	6.69E-07
7098	469701.65	3820783	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.65E-06	6.65E-07
7099	469657.21	3820763.78	3.29E-05	1.38E-04	1.24E-05	2.74E-05	1.01E-04	8.93E-06	3.11E-06	1.78E-05	2.12E-06	2.82E-06	9.31E-06	6.42E-07
7100	469648.33	3820759.94	3.26E-05	1.37E-04	1.23E-05	2.72E-05	1.01E-04	8.86E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.24E-06	6.37E-07
7101	469639.44	3820756.09	3.24E-05	1.36E-04	1.22E-05	2.70E-05	9.99E-05	8.79E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.16E-06	6.32E-07
7102	469630.55	3820752.25	3.21E-05	1.35E-04	1.21E-05	2.68E-05	9.91E-05	8.72E-06	3.03E-06	1.74E-05	2.07E-06	2.76E-06	9.09E-06	6.27E-07
7103	469621.66	3820748.41	3.19E-05	1.34E-04	1.20E-05	2.65E-05	9.83E-05	8.65E-06	3.01E-06	1.72E-05	2.05E-06	2.74E-06	9.02E-06	6.22E-07
7104	469612.78	3820744.56	3.16E-05	1.33E-04	1.20E-05	2.63E-05	9.75E-05	8.58E-06	2.98E-06	1.71E-05	2.04E-06	2.71E-06	8.95E-06	6.17E-07
7105	469603.89	3820740.72	3.14E-05	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.51E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
7106	469595	3820736.88	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.60E-05	8.45E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.81E-06	6.07E-07
7107	469586.11	3820733.03	3.09E-05	1.30E-04	1.17E-05	2.57E-05	9.53E-05	8.38E-06	2.92E-06	1.67E-05	1.99E-06	2.65E-06	8.74E-06	6.02E-07
7108	469577.23	3820729.19	3.06E-05	1.29E-04	1.16E-05	2.55E-05	9.45E-05	8.31E-06	2.89E-06	1.66E-05	1.97E-06	2.63E-06	8.67E-06	5.97E-07
7109	469568.34	3820725.35	3.04E-05	1.28E-04	1.15E-05	2.53E-05	9.37E-05	8.24E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.60E-06	5.93E-07
7110	469559.45	3820721.5	3.01E-05	1.27E-04	1.14E-05	2.51E-05	9.30E-05	8.18E-06	2.85E-06	1.63E-05	1.94E-06	2.59E-06	8.53E-06	5.88E-07
7111	469550.56	3820717.66	2.99E-05	1.26E-04	1.13E-05	2.49E-05	9.22E-05	8.11E-06	2.82E-06	1.62E-05	1.93E-06	2.57E-06	8.46E-06	5.83E-07
7112	469541.68	3820713.82	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.15E-05	8.05E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.40E-06	5.79E-07
7113	469532.79	3820709.97	2.94E-05	1.24E-04	1.11E-05	2.45E-05	9.08E-05	7.99E-06	2.78E-06	1.59E-05	1.90E-06	2.53E-06	8.33E-06	5.74E-07
7114	469523.9	3820706.13	2.92E-05	1.23E-04	1.10E-05	2.43E-05	9.01E-05	7.93E-06	2.76E-06	1.58E-05	1.88E-06	2.51E-06	8.26E-06	5.70E-07
7115	469515.01	3820702.29	2.90E-05	1.22E-04	1.10E-05	2.41E-05	8.94E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.20E-06	5.65E-07
7116	469506.12	3820698.44	2.88E-05	1.21E-04	1.09E-05	2.39E-05	8.87E-05	7.81E-06	2.72E-06	1.55E-05	1.85E-06	2.47E-06	8.14E-06	5.61E-07
7117	469497.24	3820694.6	2.85E-05	1.20E-04	1.08E-05	2.38E-05	8.81E-05	7.75E-06	2.70E-06	1.54E-05	1.84E-06	2.45E-06	8.08E-06	5.57E-07
7118	469488.35	3820690.76	2.83E-05	1.19E-04	1.07E-05	2.36E-05	8.74E-05	7.69E-06	2.68E-06	1.53E-05	1.83E-06	2.43E-06	8.02E-06	5.53E-07
7119	469479.46	3820686.91	2.81E-05	1.18E-04	1.06E-05	2.34E-05	8.68E-05	7.63E-06	2.66E-06	1.52E-05	1.81E-06	2.41E-06	7.96E-06	5.49E-07
7120	469355.04	3820633.11	2.57E-05	1.08E-04	9.71E-06	2.14E-05	7.93E-05	6.97E-06	2.43E-06	1.39E-05	1.66E-06	2.20E-06	7.27E-06	5.01E-07
7121	469346.15	3820629.27	2.55E-05	1.07E-04	9.66E-06	2.13E-05	7.88E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.23E-06	4.98E-07
7122	469337.26	3820625.42	2.54E-05	1.07E-04	9.60E-06	2.11E-05	7.84E-05	6.89E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.19E-06	4.95E-07
7123	469328.37	3820621.58	2.52E-05	1.06E-04	9.55E-06	2.10E-05	7.79E-05	6.85E-06	2.38E-06	1.36E-05	1.63E-06	2.17E-06	7.15E-06	4.93E-07
7124	469319.48	3820617.74	2.51E-05	1.05E-04	9.49E-06	2.09E-05	7.75E-05	6.81E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.90E-07
7125	469310.6	3820613.89	2.50E-05	1.05E-04	9.44E-06	2.08E-05	7.70E-05	6.77E-06	2.36E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.87E-07
7126	469301.71	3820610.05	2.48E-05	1.04E-04	9.38E-06	2.07E-05	7.66E-05	6.74E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.02E-06	4.84E-07
7127	469292.82	3820606.21	2.47E-05	1.04E-04	9.33E-06	2.05E-05	7.61E-05	6.70E-06	2.33E-06	1.33E-05	1.59E-06	2.12E-06	6.98E-06	4.81E-07
7128	469283.93	3820602.36	2.45E-05	1.03E-04	9.27E-06	2.04E-05	7.57E-05	6.66E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.94E-06	4.79E-07
7129	469275.05	3820598.52	2.44E-05	1.02E-04	9.22E-06	2.03E-05	7.52E-05	6.62E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.90E-06	4.76E-07
7130	469266.16	3820594.68	2.42E-05	1.02E-04	9.17E-06	2.02E-05	7.48E-05	6.58E-06	2.29E-06	1.31E-05	1.56E-06	2.08E-06	6.86E-06	4.73E-07
7131	469257.27	3820590.83	2.41E-05	1.01E-04	9.11E-06	2.01E-05	7.43E-05	6.54E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.82E-06	4.70E-07
7132	469248.38	3820586.99	2.39E-05	1.01E-04	9.06E-06	1.99E-05	7.39E-05	6.50E-06	2.26E-06	1.29E-05	1.54E-06	2.06E-06	6.78E-06	4.67E-07
7133	469239.5	3820583.15	2.38E-05	1.00E-04	9.00E-06	1.98E-05	7.35E-05	6.46E-06	2.25E-06	1.29E-05	1.54E-06	2.04E-06	6.74E-06	4.64E-07
7134	469230.61	3820579.3	2.37E-05	9.93E-05	8.95E-06	1.97E-05	7.30E-05	6.42E-06	2.23E-06	1.28E-05	1.53E-06	2.03E-06	6.70E-06	4.62E-07
7135	469221.72	3820575.46	2.35E-05	9.87E-05	8.89E-06	1.96E-05	7.25E-05	6.38E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.65E-06	4.59E-07
7136	469212.83	3820571.62	2.34E-05	9.81E-05	8.83E-06	1.94E-05	7.21E-05	6.34E-06	2.20E-06	1.26E-05	1.51E-06	2.00E-06	6.61E-06	4.56E-07

7137	469203.95	3820567.77	2.32E-05	9.74E-05	8.77E-06	1.93E-05	7.16E-05	6.30E-06	2.19E-06	1.25E-05	1.50E-06	1.99E-06	6.57E-06	4.53E-07
7138	469195.06	3820563.93	2.30E-05	9.68E-05	8.71E-06	1.92E-05	7.11E-05	6.26E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.52E-06	4.50E-07
7139	469186.17	3820560.09	2.29E-05	9.61E-05	8.65E-06	1.91E-05	7.06E-05	6.21E-06	2.16E-06	1.24E-05	1.48E-06	1.96E-06	6.48E-06	4.47E-07
7140	469177.28	3820556.24	2.27E-05	9.54E-05	8.59E-06	1.89E-05	7.01E-05	6.17E-06	2.15E-06	1.23E-05	1.47E-06	1.95E-06	6.43E-06	4.43E-07
7141	469168.4	3820552.4	2.26E-05	9.47E-05	8.53E-06	1.88E-05	6.96E-05	6.12E-06	2.13E-06	1.22E-05	1.46E-06	1.94E-06	6.39E-06	4.40E-07
7142	469159.51	3820548.56	2.24E-05	9.40E-05	8.47E-06	1.87E-05	6.91E-05	6.08E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.34E-06	4.37E-07
7143	469150.62	3820544.71	2.22E-05	9.33E-05	8.41E-06	1.85E-05	6.86E-05	6.03E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.29E-06	4.34E-07
7144	469141.73	3820540.87	2.21E-05	9.26E-05	8.34E-06	1.84E-05	6.80E-05	5.99E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.24E-06	4.30E-07
7145	469132.85	3820537.03	2.19E-05	9.19E-05	8.27E-06	1.82E-05	6.75E-05	5.94E-06	2.07E-06	1.18E-05	1.41E-06	1.88E-06	6.19E-06	4.27E-07
7146	469123.96	3820533.18	2.17E-05	9.11E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.23E-07
7147	469115.07	3820529.34	2.15E-05	9.04E-05	8.14E-06	1.79E-05	6.64E-05	5.84E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.09E-06	4.20E-07
7148	469106.18	3820525.5	2.13E-05	8.96E-05	8.07E-06	1.78E-05	6.59E-05	5.79E-06	2.02E-06	1.15E-05	1.38E-06	1.83E-06	6.04E-06	4.16E-07
7149	469097.29	3820521.65	2.12E-05	8.88E-05	8.00E-06	1.76E-05	6.53E-05	5.74E-06	2.00E-06	1.14E-05	1.36E-06	1.82E-06	5.99E-06	4.13E-07
7150	469088.41	3820517.81	2.10E-05	8.80E-05	7.93E-06	1.75E-05	6.47E-05	5.69E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
7151	469079.52	3820513.97	2.08E-05	8.72E-05	7.86E-06	1.73E-05	6.41E-05	5.64E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.88E-06	4.05E-07
7152	469070.63	3820510.12	2.06E-05	8.64E-05	7.78E-06	1.71E-05	6.35E-05	5.59E-06	1.94E-06	1.11E-05	1.33E-06	1.77E-06	5.82E-06	4.01E-07
7153	469061.74	3820506.28	2.04E-05	8.56E-05	7.71E-06	1.70E-05	6.29E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.77E-06	3.98E-07
7154	469052.86	3820502.44	2.02E-05	8.47E-05	7.63E-06	1.68E-05	6.23E-05	5.48E-06	1.91E-06	1.09E-05	1.30E-06	1.73E-06	5.71E-06	3.94E-07
7155	469043.97	3820498.6	2.00E-05	8.39E-05	7.55E-06	1.66E-05	6.16E-05	5.42E-06	1.89E-06	1.08E-05	1.29E-06	1.71E-06	5.65E-06	3.90E-07
7156	469035.08	3820494.75	1.98E-05	8.30E-05	7.48E-06	1.65E-05	6.10E-05	5.37E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.60E-06	3.86E-07
7157	469022.65	3820481.9	1.95E-05	8.19E-05	7.38E-06	1.62E-05	6.02E-05	5.29E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.52E-06	3.81E-07
7158	469019.11	3820472.88	1.94E-05	8.16E-05	7.35E-06	1.62E-05	6.00E-05	5.28E-06	1.84E-06	1.05E-05	1.25E-06	1.67E-06	5.50E-06	3.79E-07
7159	469015.58	3820463.87	1.94E-05	8.13E-05	7.32E-06	1.61E-05	5.98E-05	5.26E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.48E-06	3.78E-07
7160	469012.04	3820454.86	1.93E-05	8.10E-05	7.30E-06	1.61E-05	5.95E-05	5.24E-06	1.82E-06	1.04E-05	1.24E-06	1.66E-06	5.46E-06	3.76E-07
7161	469008.5	3820445.84	1.92E-05	8.07E-05	7.26E-06	1.60E-05	5.93E-05	5.21E-06	1.81E-06	1.04E-05	1.24E-06	1.65E-06	5.44E-06	3.75E-07
7162	469004.96	3820436.83	1.91E-05	8.03E-05	7.23E-06	1.59E-05	5.90E-05	5.19E-06	1.81E-06	1.03E-05	1.23E-06	1.64E-06	5.41E-06	3.73E-07
7163	469001.42	3820427.82	1.90E-05	7.99E-05	7.20E-06	1.59E-05	5.87E-05	5.17E-06	1.80E-06	1.03E-05	1.23E-06	1.63E-06	5.39E-06	3.71E-07
7164	468997.88	3820418.81	1.89E-05	7.95E-05	7.16E-06	1.58E-05	5.84E-05	5.14E-06	1.79E-06	1.02E-05	1.22E-06	1.63E-06	5.36E-06	3.69E-07
7165	468994.34	3820409.79	1.88E-05	7.91E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.62E-06	5.33E-06	3.67E-07
7166	468990.8	3820400.78	1.87E-05	7.86E-05	7.08E-06	1.56E-05	5.78E-05	5.08E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.30E-06	3.65E-07
7167	468987.26	3820391.77	1.86E-05	7.82E-05	7.04E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.27E-06	3.63E-07
7168	468983.72	3820382.75	1.85E-05	7.77E-05	6.99E-06	1.54E-05	5.71E-05	5.02E-06	1.75E-06	1.00E-05	1.19E-06	1.59E-06	5.23E-06	3.61E-07
7169	468980.18	3820373.74	1.84E-05	7.72E-05	6.95E-06	1.53E-05	5.67E-05	4.99E-06	1.73E-06	9.93E-06	1.18E-06	1.58E-06	5.20E-06	3.58E-07
7170	468976.64	3820364.73	1.82E-05	7.66E-05	6.90E-06	1.52E-05	5.63E-05	4.95E-06	1.72E-06	9.86E-06	1.18E-06	1.57E-06	5.16E-06	3.56E-07
7171	468973.1	3820355.71	1.81E-05	7.60E-05	6.85E-06	1.51E-05	5.59E-05	4.92E-06	1.71E-06	9.79E-06	1.17E-06	1.55E-06	5.13E-06	3.53E-07
7172	468969.56	3820346.7	1.80E-05	7.55E-05	6.80E-06	1.50E-05	5.54E-05	4.88E-06	1.70E-06	9.71E-06	1.16E-06	1.54E-06	5.09E-06	3.51E-07
7173	468966.02	3820337.69	1.78E-05	7.49E-05	6.74E-06	1.48E-05	5.50E-05	4.84E-06	1.68E-06	9.64E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
7174	468962.48	3820328.68	1.77E-05	7.42E-05	6.69E-06	1.47E-05	5.46E-05	4.80E-06	1.67E-06	9.56E-06	1.14E-06	1.52E-06	5.00E-06	3.45E-07
7175	468958.94	3820319.66	1.75E-05	7.36E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.65E-06	9.47E-06	1.13E-06	1.50E-06	4.96E-06	3.42E-07
7176	468955.4	3820310.65	1.74E-05	7.29E-05	6.57E-06	1.45E-05	5.36E-05	4.71E-06	1.64E-06	9.39E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
7177	468951.87	3820301.64	1.72E-05	7.23E-05	6.51E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.30E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
7178	468948.33	3820292.62	1.70E-05	7.16E-05	6.45E-06	1.42E-05	5.26E-05	4.63E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.33E-07

7179	468944.79	3820283.61	1.69E-05	7.09E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
7180	468941.25	3820274.6	1.67E-05	7.01E-05	6.32E-06	1.39E-05	5.15E-05	4.53E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
7181	468937.71	3820265.59	1.65E-05	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.49E-06	1.56E-06	8.93E-06	1.07E-06	1.42E-06	4.68E-06	3.22E-07
7182	468934.17	3820256.57	1.63E-05	6.86E-05	6.18E-06	1.36E-05	5.04E-05	4.44E-06	1.54E-06	8.84E-06	1.05E-06	1.40E-06	4.63E-06	3.19E-07
7183	468930.63	3820247.56	1.62E-05	6.79E-05	6.11E-06	1.35E-05	4.99E-05	4.39E-06	1.53E-06	8.74E-06	1.04E-06	1.39E-06	4.58E-06	3.15E-07
7184	468927.09	3820238.55	1.60E-05	6.71E-05	6.04E-06	1.33E-05	4.93E-05	4.34E-06	1.51E-06	8.64E-06	1.03E-06	1.37E-06	4.52E-06	3.12E-07
7185	468923.55	3820229.53	1.58E-05	6.63E-05	5.97E-06	1.31E-05	4.87E-05	4.28E-06	1.49E-06	8.53E-06	1.02E-06	1.35E-06	4.47E-06	3.08E-07
7186	468920.01	3820220.52	1.56E-05	6.55E-05	5.90E-06	1.30E-05	4.81E-05	4.23E-06	1.47E-06	8.43E-06	1.01E-06	1.34E-06	4.41E-06	3.04E-07
7187	468916.47	3820211.51	1.54E-05	6.47E-05	5.82E-06	1.28E-05	4.75E-05	4.18E-06	1.45E-06	8.32E-06	9.93E-07	1.32E-06	4.36E-06	3.00E-07
7188	468912.93	3820202.5	1.52E-05	6.38E-05	5.75E-06	1.27E-05	4.69E-05	4.13E-06	1.44E-06	8.22E-06	9.80E-07	1.30E-06	4.30E-06	2.97E-07
7189	468909.39	3820193.48	1.50E-05	6.30E-05	5.67E-06	1.25E-05	4.63E-05	4.07E-06	1.42E-06	8.11E-06	9.67E-07	1.29E-06	4.25E-06	2.93E-07
7190	468905.85	3820184.47	1.48E-05	6.21E-05	5.59E-06	1.23E-05	4.56E-05	4.02E-06	1.40E-06	8.00E-06	9.54E-07	1.27E-06	4.19E-06	2.89E-07
7191	468902.31	3820175.46	1.46E-05	6.13E-05	5.52E-06	1.22E-05	4.50E-05	3.96E-06	1.38E-06	7.89E-06	9.41E-07	1.25E-06	4.13E-06	2.85E-07
7192	468898.77	3820166.44	1.44E-05	6.04E-05	5.44E-06	1.20E-05	4.44E-05	3.90E-06	1.36E-06	7.77E-06	9.27E-07	1.23E-06	4.07E-06	2.81E-07
7193	468895.23	3820157.43	1.42E-05	5.95E-05	5.36E-06	1.18E-05	4.37E-05	3.85E-06	1.34E-06	7.66E-06	9.14E-07	1.22E-06	4.01E-06	2.77E-07
7194	468891.7	3820148.42	1.40E-05	5.86E-05	5.28E-06	1.16E-05	4.31E-05	3.79E-06	1.32E-06	7.54E-06	9.00E-07	1.20E-06	3.95E-06	2.72E-07
7195	468888.16	3820139.41	1.37E-05	5.77E-05	5.19E-06	1.14E-05	4.24E-05	3.73E-06	1.30E-06	7.42E-06	8.86E-07	1.18E-06	3.89E-06	2.68E-07
7196	468884.62	3820130.39	1.35E-05	5.68E-05	5.11E-06	1.13E-05	4.17E-05	3.67E-06	1.28E-06	7.31E-06	8.72E-07	1.16E-06	3.83E-06	2.64E-07
7197	468881.08	3820121.38	1.33E-05	5.59E-05	5.03E-06	1.11E-05	4.11E-05	3.61E-06	1.26E-06	7.19E-06	8.58E-07	1.14E-06	3.77E-06	2.60E-07
7198	468877.54	3820112.37	1.31E-05	5.50E-05	4.95E-06	1.09E-05	4.04E-05	3.55E-06	1.24E-06	7.08E-06	8.44E-07	1.12E-06	3.71E-06	2.55E-07
7199	468874	3820103.35	1.29E-05	5.40E-05	4.87E-06	1.07E-05	3.97E-05	3.49E-06	1.22E-06	6.96E-06	8.30E-07	1.10E-06	3.64E-06	2.51E-07
7200	468870.46	3820094.34	1.27E-05	5.31E-05	4.78E-06	1.05E-05	3.90E-05	3.43E-06	1.19E-06	6.84E-06	8.16E-07	1.09E-06	3.58E-06	2.47E-07
7201	468866.92	3820085.33	1.24E-05	5.22E-05	4.70E-06	1.04E-05	3.84E-05	3.38E-06	1.17E-06	6.72E-06	8.02E-07	1.07E-06	3.52E-06	2.43E-07
7202	468863.38	3820076.31	1.22E-05	5.13E-05	4.62E-06	1.02E-05	3.77E-05	3.32E-06	1.15E-06	6.61E-06	7.88E-07	1.05E-06	3.46E-06	2.38E-07
7203	468859.84	3820067.3	1.20E-05	5.04E-05	4.54E-06	9.99E-06	3.70E-05	3.26E-06	1.13E-06	6.49E-06	7.74E-07	1.03E-06	3.40E-06	2.34E-07
7204	468856.3	3820058.29	1.18E-05	4.95E-05	4.46E-06	9.81E-06	3.64E-05	3.20E-06	1.11E-06	6.37E-06	7.60E-07	1.01E-06	3.33E-06	2.30E-07
7205	468852.76	3820049.28	1.16E-05	4.86E-05	4.37E-06	9.63E-06	3.57E-05	3.14E-06	1.09E-06	6.25E-06	7.46E-07	9.93E-07	3.27E-06	2.26E-07
7206	468849.22	3820040.26	1.13E-05	4.76E-05	4.29E-06	9.45E-06	3.50E-05	3.08E-06	1.07E-06	6.13E-06	7.32E-07	9.74E-07	3.21E-06	2.21E-07
7207	468845.68	3820031.25	1.11E-05	4.67E-05	4.21E-06	9.27E-06	3.43E-05	3.02E-06	1.05E-06	6.02E-06	7.18E-07	9.55E-07	3.15E-06	2.17E-07
7208	468835.06	3820004.21	1.05E-05	4.40E-05	3.96E-06	8.72E-06	3.23E-05	2.84E-06	9.89E-07	5.66E-06	6.75E-07	8.99E-07	2.96E-06	2.04E-07
7209	468831.52	3819995.2	1.03E-05	4.31E-05	3.88E-06	8.54E-06	3.16E-05	2.78E-06	9.68E-07	5.54E-06	6.61E-07	8.80E-07	2.90E-06	2.00E-07
7210	468827.99	3819986.19	1.00E-05	4.21E-05	3.80E-06	8.36E-06	3.10E-05	2.72E-06	9.48E-07	5.42E-06	6.47E-07	8.61E-07	2.84E-06	1.96E-07
7211	468824.45	3819977.17	9.83E-06	4.13E-05	3.72E-06	8.19E-06	3.03E-05	2.67E-06	9.28E-07	5.31E-06	6.34E-07	8.44E-07	2.78E-06	1.92E-07
7212	468820.91	3819968.16	9.62E-06	4.04E-05	3.64E-06	8.01E-06	2.97E-05	2.61E-06	9.08E-07	5.20E-06	6.20E-07	8.26E-07	2.72E-06	1.88E-07
7213	468817.37	3819959.15	9.41E-06	3.95E-05	3.56E-06	7.84E-06	2.91E-05	2.56E-06	8.89E-07	5.09E-06	6.07E-07	8.08E-07	2.66E-06	1.84E-07
7214	468813.83	3819950.13	9.21E-06	3.87E-05	3.48E-06	7.67E-06	2.84E-05	2.50E-06	8.69E-07	4.98E-06	5.94E-07	7.90E-07	2.61E-06	1.80E-07
7215	468810.29	3819941.12	9.01E-06	3.78E-05	3.41E-06	7.50E-06	2.78E-05	2.44E-06	8.50E-07	4.87E-06	5.81E-07	7.73E-07	2.55E-06	1.76E-07
7216	468806.75	3819932.11	8.81E-06	3.70E-05	3.33E-06	7.34E-06	2.72E-05	2.39E-06	8.32E-07	4.76E-06	5.68E-07	7.56E-07	2.49E-06	1.72E-07
7217	468803.21	3819923.1	8.61E-06	3.62E-05	3.26E-06	7.17E-06	2.66E-05	2.34E-06	8.13E-07	4.66E-06	5.55E-07	7.39E-07	2.44E-06	1.68E-07
7218	468799.67	3819914.08	8.42E-06	3.54E-05	3.18E-06	7.01E-06	2.60E-05	2.29E-06	7.95E-07	4.55E-06	5.43E-07	7.23E-07	2.38E-06	1.64E-07
7219	468796.13	3819905.07	8.23E-06	3.45E-05	3.11E-06	6.85E-06	2.54E-05	2.23E-06	7.77E-07	4.45E-06	5.31E-07	7.06E-07	2.33E-06	1.61E-07
7220	468792.59	3819896.06	8.04E-06	3.38E-05	3.04E-06	6.70E-06	2.48E-05	2.18E-06	7.59E-07	4.35E-06	5.18E-07	6.90E-07	2.28E-06	1.57E-07

7221	468789.05	3819887.04	7.86E-06	3.30E-05	2.97E-06	6.54E-06	2.42E-05	2.13E-06	7.42E-07	4.25E-06	5.07E-07	6.74E-07	2.22E-06	1.53E-07
7222	468785.51	3819878.03	7.67E-06	3.22E-05	2.90E-06	6.39E-06	2.37E-05	2.08E-06	7.24E-07	4.15E-06	4.95E-07	6.58E-07	2.17E-06	1.50E-07
7223	468781.97	3819869.02	7.49E-06	3.14E-05	2.83E-06	6.23E-06	2.31E-05	2.03E-06	7.07E-07	4.05E-06	4.83E-07	6.43E-07	2.12E-06	1.46E-07
7224	468778.43	3819860	7.31E-06	3.07E-05	2.76E-06	6.09E-06	2.25E-05	1.98E-06	6.90E-07	3.95E-06	4.71E-07	6.27E-07	2.07E-06	1.43E-07
7225	468774.89	3819850.99	7.13E-06	2.99E-05	2.70E-06	5.94E-06	2.20E-05	1.94E-06	6.73E-07	3.85E-06	4.60E-07	6.12E-07	2.02E-06	1.39E-07
7226	468771.35	3819841.98	6.97E-06	2.93E-05	2.63E-06	5.80E-06	2.15E-05	1.89E-06	6.58E-07	3.77E-06	4.49E-07	5.98E-07	1.97E-06	1.36E-07
7227	468767.81	3819832.97	6.80E-06	2.85E-05	2.57E-06	5.66E-06	2.10E-05	1.85E-06	6.42E-07	3.67E-06	4.38E-07	5.84E-07	1.92E-06	1.33E-07
7228	468764.28	3819823.95	6.64E-06	2.79E-05	2.51E-06	5.53E-06	2.05E-05	1.80E-06	6.27E-07	3.59E-06	4.28E-07	5.70E-07	1.88E-06	1.30E-07
7229	468760.74	3819814.94	6.48E-06	2.72E-05	2.45E-06	5.40E-06	2.00E-05	1.76E-06	6.12E-07	3.50E-06	4.18E-07	5.56E-07	1.83E-06	1.26E-07
7230	468757.2	3819805.93	6.33E-06	2.66E-05	2.39E-06	5.27E-06	1.95E-05	1.72E-06	5.97E-07	3.42E-06	4.08E-07	5.43E-07	1.79E-06	1.23E-07
7231	468753.66	3819796.91	6.18E-06	2.59E-05	2.34E-06	5.14E-06	1.91E-05	1.68E-06	5.83E-07	3.34E-06	3.98E-07	5.30E-07	1.75E-06	1.21E-07
7232	468750.12	3819787.9	6.03E-06	2.53E-05	2.28E-06	5.02E-06	1.86E-05	1.64E-06	5.69E-07	3.26E-06	3.89E-07	5.17E-07	1.71E-06	1.18E-07
7233	468746.58	3819778.89	5.88E-06	2.47E-05	2.23E-06	4.90E-06	1.82E-05	1.60E-06	5.56E-07	3.18E-06	3.79E-07	5.05E-07	1.67E-06	1.15E-07
7234	468743.04	3819769.88	5.74E-06	2.41E-05	2.17E-06	4.78E-06	1.77E-05	1.56E-06	5.42E-07	3.10E-06	3.70E-07	4.93E-07	1.62E-06	1.12E-07
7235	468739.5	3819760.86	5.60E-06	2.35E-05	2.12E-06	4.67E-06	1.73E-05	1.52E-06	5.29E-07	3.03E-06	3.61E-07	4.81E-07	1.59E-06	1.09E-07
7236	468735.96	3819751.85	5.47E-06	2.30E-05	2.07E-06	4.56E-06	1.69E-05	1.49E-06	5.17E-07	2.96E-06	3.53E-07	4.70E-07	1.55E-06	1.07E-07
7237	468732.42	3819742.84	5.34E-06	2.24E-05	2.02E-06	4.45E-06	1.65E-05	1.45E-06	5.05E-07	2.89E-06	3.45E-07	4.59E-07	1.51E-06	1.04E-07
7238	468728.88	3819733.82	5.22E-06	2.19E-05	1.97E-06	4.35E-06	1.61E-05	1.42E-06	4.93E-07	2.82E-06	3.37E-07	4.48E-07	1.48E-06	1.02E-07
7239	468725.34	3819724.81	5.10E-06	2.14E-05	1.93E-06	4.25E-06	1.57E-05	1.39E-06	4.82E-07	2.76E-06	3.29E-07	4.38E-07	1.44E-06	9.96E-08
7240	468721.8	3819715.8	4.98E-06	2.09E-05	1.88E-06	4.15E-06	1.54E-05	1.35E-06	4.71E-07	2.69E-06	3.21E-07	4.28E-07	1.41E-06	9.72E-08
7241	468718.26	3819706.79	4.87E-06	2.05E-05	1.84E-06	4.06E-06	1.50E-05	1.32E-06	4.60E-07	2.63E-06	3.14E-07	4.18E-07	1.38E-06	9.51E-08
7242	468714.72	3819697.77	4.76E-06	2.00E-05	1.80E-06	3.97E-06	1.47E-05	1.29E-06	4.50E-07	2.57E-06	3.07E-07	4.09E-07	1.35E-06	9.29E-08
7243	468711.18	3819688.76	4.65E-06	1.95E-05	1.76E-06	3.87E-06	1.44E-05	1.26E-06	4.39E-07	2.51E-06	3.00E-07	3.99E-07	1.32E-06	9.08E-08
7244	468707.64	3819679.75	4.55E-06	1.91E-05	1.72E-06	3.79E-06	1.40E-05	1.23E-06	4.29E-07	2.46E-06	2.93E-07	3.90E-07	1.29E-06	8.87E-08
7245	468704.1	3819670.73	4.45E-06	1.87E-05	1.68E-06	3.71E-06	1.37E-05	1.21E-06	4.20E-07	2.41E-06	2.87E-07	3.82E-07	1.26E-06	8.68E-08
7246	468700.57	3819661.72	4.35E-06	1.83E-05	1.65E-06	3.63E-06	1.34E-05	1.18E-06	4.11E-07	2.35E-06	2.81E-07	3.74E-07	1.23E-06	8.50E-08
7247	468697.03	3819652.71	4.26E-06	1.79E-05	1.61E-06	3.55E-06	1.32E-05	1.16E-06	4.02E-07	2.30E-06	2.75E-07	3.66E-07	1.21E-06	8.32E-08
7248	468693.49	3819643.69	3.81E-06	1.60E-05	1.44E-06	3.17E-06	1.18E-05	1.03E-06	3.60E-07	2.06E-06	2.46E-07	3.27E-07	1.08E-06	7.43E-08
7249	468689.95	3819634.68	3.71E-06	1.56E-05	1.40E-06	3.09E-06	1.15E-05	1.01E-06	3.51E-07	2.01E-06	2.40E-07	3.19E-07	1.05E-06	7.25E-08
7250	468686.41	3819625.67	3.62E-06	1.52E-05	1.37E-06	3.02E-06	1.12E-05	9.83E-07	3.42E-07	1.96E-06	2.34E-07	3.11E-07	1.03E-06	7.07E-08
7251	468682.87	3819616.66	3.54E-06	1.49E-05	1.34E-06	2.95E-06	1.09E-05	9.61E-07	3.34E-07	1.91E-06	2.28E-07	3.04E-07	1.00E-06	6.91E-08
7252	468679.33	3819607.64	3.48E-06	1.46E-05	1.32E-06	2.90E-06	1.07E-05	9.44E-07	3.28E-07	1.88E-06	2.24E-07	2.99E-07	9.84E-07	6.79E-08
7253	468675.79	3819598.63	3.42E-06	1.44E-05	1.29E-06	2.85E-06	1.06E-05	9.28E-07	3.23E-07	1.85E-06	2.21E-07	2.94E-07	9.68E-07	6.67E-08
7254	468672.25	3819589.62	3.37E-06	1.41E-05	1.27E-06	2.80E-06	1.04E-05	9.14E-07	3.18E-07	1.82E-06	2.17E-07	2.89E-07	9.53E-07	6.57E-08
7255	468668.71	3819580.6	3.31E-06	1.39E-05	1.25E-06	2.76E-06	1.02E-05	8.98E-07	3.13E-07	1.79E-06	2.13E-07	2.84E-07	9.37E-07	6.46E-08
7256	468665.17	3819571.59	3.25E-06	1.36E-05	1.23E-06	2.70E-06	1.00E-05	8.81E-07	3.07E-07	1.76E-06	2.09E-07	2.79E-07	9.19E-07	6.34E-08
7257	468661.63	3819562.58	3.19E-06	1.34E-05	1.21E-06	2.66E-06	9.86E-06	8.67E-07	3.02E-07	1.73E-06	2.06E-07	2.74E-07	9.04E-07	6.23E-08
7258	468658.09	3819553.57	3.15E-06	1.32E-05	1.19E-06	2.62E-06	9.72E-06	8.55E-07	2.98E-07	1.70E-06	2.03E-07	2.70E-07	8.92E-07	6.15E-08
7259	468654.55	3819544.55	3.11E-06	1.31E-05	1.18E-06	2.59E-06	9.60E-06	8.45E-07	2.94E-07	1.68E-06	2.01E-07	2.67E-07	8.81E-07	6.07E-08
7260	468651.01	3819535.54	3.08E-06	1.30E-05	1.17E-06	2.57E-06	9.52E-06	8.37E-07	2.91E-07	1.67E-06	1.99E-07	2.65E-07	8.73E-07	6.02E-08
7261	468647.47	3819526.53	3.05E-06	1.28E-05	1.16E-06	2.54E-06	9.43E-06	8.29E-07	2.88E-07	1.65E-06	1.97E-07	2.62E-07	8.65E-07	5.96E-08
7262	468643.93	3819517.51	3.02E-06	1.27E-05	1.14E-06	2.52E-06	9.32E-06	8.20E-07	2.85E-07	1.63E-06	1.95E-07	2.59E-07	8.55E-07	5.89E-08

7263	468640.39	3819508.5	2.99E-06	1.26E-05	1.13E-06	2.49E-06	9.23E-06	8.12E-07	2.83E-07	1.62E-06	1.93E-07	2.57E-07	8.47E-07	5.84E-08
7264	468636.86	3819499.49	2.96E-06	1.24E-05	1.12E-06	2.47E-06	9.14E-06	8.04E-07	2.80E-07	1.60E-06	1.91E-07	2.54E-07	8.39E-07	5.78E-08
7265	468633.32	3819490.48	2.94E-06	1.23E-05	1.11E-06	2.45E-06	9.07E-06	7.98E-07	2.78E-07	1.59E-06	1.90E-07	2.52E-07	8.32E-07	5.74E-08
7266	468629.78	3819481.46	2.92E-06	1.23E-05	1.10E-06	2.43E-06	9.01E-06	7.93E-07	2.76E-07	1.58E-06	1.88E-07	2.51E-07	8.27E-07	5.70E-08
7267	468626.24	3819472.45	2.90E-06	1.22E-05	1.10E-06	2.42E-06	8.95E-06	7.87E-07	2.74E-07	1.57E-06	1.87E-07	2.49E-07	8.21E-07	5.66E-08
7268	468622.7	3819463.44	2.89E-06	1.21E-05	1.09E-06	2.40E-06	8.91E-06	7.84E-07	2.73E-07	1.56E-06	1.86E-07	2.48E-07	8.17E-07	5.63E-08
7269	468619.16	3819454.42	2.87E-06	1.21E-05	1.09E-06	2.39E-06	8.86E-06	7.80E-07	2.71E-07	1.55E-06	1.85E-07	2.47E-07	8.13E-07	5.60E-08
7270	468615.62	3819445.41	2.86E-06	1.20E-05	1.08E-06	2.38E-06	8.82E-06	7.76E-07	2.70E-07	1.54E-06	1.84E-07	2.45E-07	8.09E-07	5.58E-08
7271	468612.08	3819436.4	2.84E-06	1.19E-05	1.08E-06	2.37E-06	8.77E-06	7.72E-07	2.68E-07	1.54E-06	1.83E-07	2.44E-07	8.05E-07	5.55E-08
7272	468608.54	3819427.39	2.82E-06	1.19E-05	1.07E-06	2.35E-06	8.71E-06	7.67E-07	2.67E-07	1.53E-06	1.82E-07	2.42E-07	7.99E-07	5.51E-08
7273	470083.82	3820948.25	3.19E-05	1.34E-04	1.21E-05	2.66E-05	9.85E-05	8.66E-06	3.01E-06	1.73E-05	2.06E-06	2.74E-06	9.03E-06	6.23E-07
7274	470093.52	3820948.39	3.17E-05	1.33E-04	1.20E-05	2.64E-05	9.79E-05	8.61E-06	2.99E-06	1.71E-05	2.05E-06	2.72E-06	8.98E-06	6.19E-07
7275	470103.21	3820948.52	3.15E-05	1.32E-04	1.19E-05	2.62E-05	9.72E-05	8.55E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.92E-06	6.15E-07
7276	470112.91	3820948.66	3.13E-05	1.31E-04	1.18E-05	2.61E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.69E-06	8.85E-06	6.10E-07
7277	470122.61	3820948.79	3.11E-05	1.30E-04	1.17E-05	2.59E-05	9.59E-05	8.43E-06	2.93E-06	1.68E-05	2.00E-06	2.67E-06	8.79E-06	6.06E-07
7278	470132.31	3820948.93	3.08E-05	1.30E-04	1.17E-05	2.57E-05	9.52E-05	8.37E-06	2.91E-06	1.67E-05	1.99E-06	2.65E-06	8.73E-06	6.02E-07
7279	470142	3820949.06	3.06E-05	1.29E-04	1.16E-05	2.55E-05	9.44E-05	8.31E-06	2.89E-06	1.65E-05	1.97E-06	2.63E-06	8.66E-06	5.97E-07
7280	470151.7	3820949.2	3.04E-05	1.27E-04	1.15E-05	2.53E-05	9.37E-05	8.24E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.59E-06	5.92E-07
7281	470161.4	3820949.33	3.01E-05	1.26E-04	1.14E-05	2.51E-05	9.29E-05	8.17E-06	2.84E-06	1.63E-05	1.94E-06	2.58E-06	8.52E-06	5.87E-07
7282	470171.09	3820949.47	2.99E-05	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.93E-06	2.56E-06	8.45E-06	5.83E-07
7283	470180.79	3820949.6	2.96E-05	1.24E-04	1.12E-05	2.47E-05	9.14E-05	8.04E-06	2.80E-06	1.60E-05	1.91E-06	2.54E-06	8.38E-06	5.78E-07
7284	470190.49	3820949.74	2.94E-05	1.23E-04	1.11E-05	2.45E-05	9.06E-05	7.97E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.31E-06	5.73E-07
7285	470200.19	3820949.87	2.91E-05	1.22E-04	1.10E-05	2.43E-05	8.99E-05	7.91E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.24E-06	5.68E-07
7286	470209.88	3820950.01	2.89E-05	1.21E-04	1.09E-05	2.41E-05	8.91E-05	7.84E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.18E-06	5.64E-07
7287	470219.58	3820950.14	2.86E-05	1.20E-04	1.08E-05	2.39E-05	8.84E-05	7.77E-06	2.70E-06	1.55E-05	1.85E-06	2.46E-06	8.11E-06	5.59E-07
7288	470229.28	3820950.28	2.84E-05	1.19E-04	1.07E-05	2.37E-05	8.76E-05	7.71E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.04E-06	5.54E-07
7289	470238.98	3820950.41	2.82E-05	1.18E-04	1.07E-05	2.35E-05	8.69E-05	7.64E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.97E-06	5.49E-07
7290	470248.67	3820950.55	2.79E-05	1.17E-04	1.06E-05	2.33E-05	8.62E-05	7.58E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.90E-06	5.45E-07
7291	470258.37	3820950.68	2.77E-05	1.16E-04	1.05E-05	2.31E-05	8.55E-05	7.52E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.84E-06	5.40E-07
7292	470306.24	3819458.15	1.98E-03	8.30E-03	7.47E-04	1.65E-03	6.10E-03	5.36E-04	1.87E-04	1.07E-03	1.27E-04	1.70E-04	5.59E-04	3.86E-05
7293	470309.33	3819441.44	2.25E-03	9.43E-03	8.49E-04	1.87E-03	6.93E-03	6.10E-04	2.12E-04	1.21E-03	1.45E-04	1.93E-04	6.36E-04	4.38E-05
7294	470309.41	3819431.79	2.45E-03	1.03E-02	9.26E-04	2.04E-03	7.55E-03	6.64E-04	2.31E-04	1.32E-03	1.58E-04	2.10E-04	6.93E-04	4.78E-05
7295	470309.5	3819422.14	2.63E-03	1.11E-02	9.96E-04	2.19E-03	8.12E-03	7.15E-04	2.49E-04	1.42E-03	1.70E-04	2.26E-04	7.45E-04	5.14E-05
7296	470309.58	3819412.49	2.79E-03	1.17E-02	1.05E-03	2.32E-03	8.61E-03	7.57E-04	2.63E-04	1.51E-03	1.80E-04	2.39E-04	7.89E-04	5.44E-05
7297	470309.66	3819402.85	2.91E-03	1.22E-02	1.10E-03	2.42E-03	8.98E-03	7.90E-04	2.75E-04	1.57E-03	1.88E-04	2.50E-04	8.24E-04	5.68E-05
7298	470309.75	3819393.2	3.00E-03	1.26E-02	1.14E-03	2.50E-03	9.26E-03	8.15E-04	2.83E-04	1.62E-03	1.94E-04	2.58E-04	8.50E-04	5.86E-05
7299	470309.83	3819383.55	3.06E-03	1.29E-02	1.16E-03	2.55E-03	9.45E-03	8.32E-04	2.89E-04	1.66E-03	1.98E-04	2.63E-04	8.67E-04	5.98E-05
7300	470309.91	3819373.9	3.10E-03	1.30E-02	1.17E-03	2.58E-03	9.56E-03	8.41E-04	2.93E-04	1.68E-03	2.00E-04	2.66E-04	8.77E-04	6.05E-05
7301	470309.99	3819364.25	3.11E-03	1.30E-02	1.17E-03	2.59E-03	9.59E-03	8.43E-04	2.93E-04	1.68E-03	2.00E-04	2.67E-04	8.79E-04	6.06E-05
7302	470310.08	3819354.61	3.09E-03	1.30E-02	1.17E-03	2.58E-03	9.55E-03	8.40E-04	2.92E-04	1.67E-03	2.00E-04	2.66E-04	8.76E-04	6.04E-05
7303	470310.16	3819344.96	3.06E-03	1.29E-02	1.16E-03	2.55E-03	9.45E-03	8.32E-04	2.89E-04	1.66E-03	1.98E-04	2.63E-04	8.67E-04	5.98E-05
7304	470310.24	3819335.31	3.02E-03	1.27E-02	1.14E-03	2.51E-03	9.31E-03	8.19E-04	2.85E-04	1.63E-03	1.95E-04	2.59E-04	8.54E-04	5.89E-05

7305	470310.32	3819325.66	2.95E-03	1.24E-02	1.12E-03	2.46E-03	9.11E-03	8.01E-04	2.79E-04	1.60E-03	1.90E-04	2.53E-04	8.35E-04	5.76E-05
7306	470310.41	3819316.01	2.86E-03	1.20E-02	1.08E-03	2.39E-03	8.84E-03	7.78E-04	2.71E-04	1.55E-03	1.85E-04	2.46E-04	8.11E-04	5.59E-05
7307	470310.49	3819306.36	2.76E-03	1.16E-02	1.04E-03	2.29E-03	8.50E-03	7.48E-04	2.60E-04	1.49E-03	1.78E-04	2.37E-04	7.80E-04	5.38E-05
7308	470310.57	3819296.72	2.62E-03	1.10E-02	9.92E-04	2.18E-03	8.09E-03	7.12E-04	2.48E-04	1.42E-03	1.69E-04	2.25E-04	7.42E-04	5.12E-05
7309	470310.66	3819287.07	2.46E-03	1.03E-02	9.32E-04	2.05E-03	7.60E-03	6.69E-04	2.33E-04	1.33E-03	1.59E-04	2.11E-04	6.97E-04	4.81E-05
7310	470310.74	3819277.42	2.28E-03	9.57E-03	8.61E-04	1.90E-03	7.03E-03	6.18E-04	2.15E-04	1.23E-03	1.47E-04	1.96E-04	6.45E-04	4.44E-05
7311	470310.82	3819267.77	2.07E-03	8.67E-03	7.81E-04	1.72E-03	6.37E-03	5.61E-04	1.95E-04	1.12E-03	1.33E-04	1.77E-04	5.85E-04	4.03E-05
7312	470310.9	3819258.12	1.83E-03	7.69E-03	6.92E-04	1.53E-03	5.65E-03	4.97E-04	1.73E-04	9.90E-04	1.18E-04	1.57E-04	5.18E-04	3.57E-05
7313	470310.99	3819248.48	1.59E-03	6.67E-03	6.00E-04	1.32E-03	4.90E-03	4.31E-04	1.50E-04	8.58E-04	1.02E-04	1.36E-04	4.49E-04	3.10E-05
7314	470316.24	3819458.24	1.74E-03	7.32E-03	6.59E-04	1.45E-03	5.38E-03	4.73E-04	1.64E-04	9.42E-04	1.12E-04	1.50E-04	4.93E-04	3.40E-05
7315	470310.22	3819472.37	1.62E-03	6.82E-03	6.14E-04	1.35E-03	5.01E-03	4.41E-04	1.53E-04	8.78E-04	1.05E-04	1.39E-04	4.59E-04	3.17E-05
7316	470319.33	3819441.52	1.94E-03	8.16E-03	7.35E-04	1.62E-03	5.99E-03	5.27E-04	1.83E-04	1.05E-03	1.25E-04	1.67E-04	5.50E-04	3.79E-05
7317	470319.41	3819431.88	2.09E-03	8.78E-03	7.91E-04	1.74E-03	6.45E-03	5.68E-04	1.97E-04	1.13E-03	1.35E-04	1.79E-04	5.92E-04	4.08E-05
7318	470319.5	3819422.23	2.23E-03	9.35E-03	8.42E-04	1.85E-03	6.87E-03	6.04E-04	2.10E-04	1.20E-03	1.44E-04	1.91E-04	6.30E-04	4.34E-05
7319	470319.58	3819412.58	2.34E-03	9.82E-03	8.85E-04	1.95E-03	7.22E-03	6.35E-04	2.21E-04	1.26E-03	1.51E-04	2.01E-04	6.62E-04	4.56E-05
7320	470319.66	3819402.93	2.43E-03	1.02E-02	9.19E-04	2.02E-03	7.50E-03	6.60E-04	2.30E-04	1.31E-03	1.57E-04	2.09E-04	6.88E-04	4.74E-05
7321	470319.74	3819393.28	2.50E-03	1.05E-02	9.47E-04	2.08E-03	7.72E-03	6.79E-04	2.36E-04	1.35E-03	1.61E-04	2.15E-04	7.08E-04	4.88E-05
7322	470319.83	3819383.64	2.55E-03	1.07E-02	9.65E-04	2.12E-03	7.87E-03	6.92E-04	2.41E-04	1.38E-03	1.65E-04	2.19E-04	7.22E-04	4.98E-05
7323	470319.91	3819373.99	2.58E-03	1.08E-02	9.74E-04	2.15E-03	7.95E-03	6.99E-04	2.43E-04	1.39E-03	1.66E-04	2.21E-04	7.29E-04	5.03E-05
7324	470319.99	3819364.34	2.58E-03	1.08E-02	9.75E-04	2.15E-03	7.96E-03	7.00E-04	2.44E-04	1.39E-03	1.66E-04	2.21E-04	7.30E-04	5.03E-05
7325	470320.08	3819354.69	2.57E-03	1.08E-02	9.70E-04	2.14E-03	7.92E-03	6.96E-04	2.42E-04	1.39E-03	1.65E-04	2.20E-04	7.26E-04	5.00E-05
7326	470320.16	3819345.04	2.53E-03	1.06E-02	9.59E-04	2.11E-03	7.82E-03	6.88E-04	2.39E-04	1.37E-03	1.64E-04	2.18E-04	7.18E-04	4.95E-05
7327	470320.24	3819335.39	2.49E-03	1.05E-02	9.41E-04	2.07E-03	7.68E-03	6.76E-04	2.35E-04	1.35E-03	1.61E-04	2.14E-04	7.05E-04	4.86E-05
7328	470320.32	3819325.75	2.43E-03	1.02E-02	9.18E-04	2.02E-03	7.49E-03	6.59E-04	2.29E-04	1.31E-03	1.57E-04	2.08E-04	6.87E-04	4.74E-05
7329	470320.41	3819316.1	2.35E-03	9.87E-03	8.88E-04	1.96E-03	7.25E-03	6.38E-04	2.22E-04	1.27E-03	1.52E-04	2.02E-04	6.65E-04	4.58E-05
7330	470320.49	3819306.45	2.25E-03	9.47E-03	8.52E-04	1.88E-03	6.96E-03	6.12E-04	2.13E-04	1.22E-03	1.45E-04	1.93E-04	6.38E-04	4.40E-05
7331	470320.57	3819296.8	2.14E-03	8.99E-03	8.10E-04	1.78E-03	6.61E-03	5.81E-04	2.02E-04	1.16E-03	1.38E-04	1.84E-04	6.06E-04	4.18E-05
7332	470320.65	3819287.15	2.01E-03	8.44E-03	7.60E-04	1.67E-03	6.20E-03	5.45E-04	1.90E-04	1.09E-03	1.30E-04	1.72E-04	5.69E-04	3.92E-05
7333	470320.74	3819277.51	1.86E-03	7.80E-03	7.03E-04	1.55E-03	5.73E-03	5.04E-04	1.75E-04	1.00E-03	1.20E-04	1.60E-04	5.26E-04	3.63E-05
7334	470320.82	3819267.86	1.69E-03	7.10E-03	6.40E-04	1.41E-03	5.22E-03	4.59E-04	1.60E-04	9.14E-04	1.09E-04	1.45E-04	4.79E-04	3.30E-05
7335	470320.9	3819258.21	1.51E-03	6.35E-03	5.72E-04	1.26E-03	4.66E-03	4.10E-04	1.43E-04	8.17E-04	9.75E-05	1.30E-04	4.28E-04	2.95E-05
7336	470320.99	3819248.56	1.33E-03	5.58E-03	5.02E-04	1.11E-03	4.10E-03	3.61E-04	1.25E-04	7.18E-04	8.57E-05	1.14E-04	3.76E-04	2.59E-05
7337	470325.49	3819460.09	1.54E-03	6.46E-03	5.81E-04	1.28E-03	4.74E-03	4.17E-04	1.45E-04	8.31E-04	9.92E-05	1.32E-04	4.35E-04	3.00E-05
7338	470321.73	3819468.92	1.48E-03	6.22E-03	5.60E-04	1.23E-03	4.57E-03	4.02E-04	1.40E-04	8.01E-04	9.56E-05	1.27E-04	4.19E-04	2.89E-05
7339	470317.97	3819477.75	1.42E-03	5.96E-03	5.37E-04	1.18E-03	4.38E-03	3.85E-04	1.34E-04	7.67E-04	9.15E-05	1.22E-04	4.02E-04	2.77E-05
7340	470305.29	3819490.14	1.43E-03	5.99E-03	5.39E-04	1.19E-03	4.40E-03	3.87E-04	1.35E-04	7.71E-04	9.19E-05	1.22E-04	4.03E-04	2.78E-05
7341	470329.25	3819451.26	1.58E-03	6.64E-03	5.98E-04	1.32E-03	4.88E-03	4.29E-04	1.49E-04	8.55E-04	1.02E-04	1.36E-04	4.48E-04	3.09E-05
7342	470329.33	3819441.61	1.70E-03	7.14E-03	6.43E-04	1.42E-03	5.25E-03	4.61E-04	1.61E-04	9.19E-04	1.10E-04	1.46E-04	4.81E-04	3.32E-05
7343	470329.41	3819431.96	1.81E-03	7.61E-03	6.86E-04	1.51E-03	5.59E-03	4.92E-04	1.71E-04	9.80E-04	1.17E-04	1.56E-04	5.13E-04	3.54E-05
7344	470329.5	3819422.31	1.92E-03	8.04E-03	7.24E-04	1.60E-03	5.91E-03	5.20E-04	1.81E-04	1.04E-03	1.24E-04	1.64E-04	5.42E-04	3.74E-05
7345	470329.58	3819412.67	2.00E-03	8.41E-03	7.57E-04	1.67E-03	6.18E-03	5.44E-04	1.89E-04	1.08E-03	1.29E-04	1.72E-04	5.67E-04	3.91E-05
7346	470329.66	3819403.02	2.07E-03	8.71E-03	7.84E-04	1.73E-03	6.40E-03	5.63E-04	1.96E-04	1.12E-03	1.34E-04	1.78E-04	5.87E-04	4.05E-05

7347	470329.74	3819393.37	2.13E-03	8.93E-03	8.04E-04	1.77E-03	6.56E-03	5.77E-04	2.01E-04	1.15E-03	1.37E-04	1.83E-04	6.02E-04	4.15E-05
7348	470329.83	3819383.72	2.16E-03	9.08E-03	8.18E-04	1.80E-03	6.67E-03	5.87E-04	2.04E-04	1.17E-03	1.39E-04	1.86E-04	6.12E-04	4.22E-05
7349	470329.91	3819374.07	2.18E-03	9.15E-03	8.24E-04	1.82E-03	6.73E-03	5.92E-04	2.06E-04	1.18E-03	1.41E-04	1.87E-04	6.17E-04	4.25E-05
7350	470329.99	3819364.43	2.18E-03	9.16E-03	8.25E-04	1.82E-03	6.73E-03	5.92E-04	2.06E-04	1.18E-03	1.41E-04	1.87E-04	6.17E-04	4.25E-05
7351	470330.08	3819354.78	2.17E-03	9.10E-03	8.19E-04	1.80E-03	6.69E-03	5.88E-04	2.05E-04	1.17E-03	1.40E-04	1.86E-04	6.13E-04	4.23E-05
7352	470330.16	3819345.13	2.14E-03	8.98E-03	8.09E-04	1.78E-03	6.60E-03	5.81E-04	2.02E-04	1.16E-03	1.38E-04	1.84E-04	6.05E-04	4.17E-05
7353	470330.24	3819335.48	2.10E-03	8.80E-03	7.93E-04	1.75E-03	6.47E-03	5.69E-04	1.98E-04	1.13E-03	1.35E-04	1.80E-04	5.93E-04	4.09E-05
7354	470330.32	3819325.83	2.04E-03	8.57E-03	7.72E-04	1.70E-03	6.30E-03	5.54E-04	1.93E-04	1.10E-03	1.32E-04	1.75E-04	5.78E-04	3.98E-05
7355	470330.41	3819316.18	1.97E-03	8.28E-03	7.46E-04	1.64E-03	6.08E-03	5.35E-04	1.86E-04	1.07E-03	1.27E-04	1.69E-04	5.58E-04	3.85E-05
7356	470330.49	3819306.54	1.89E-03	7.93E-03	7.14E-04	1.57E-03	5.83E-03	5.13E-04	1.78E-04	1.02E-03	1.22E-04	1.62E-04	5.35E-04	3.69E-05
7357	470330.57	3819296.89	1.79E-03	7.53E-03	6.78E-04	1.49E-03	5.53E-03	4.87E-04	1.69E-04	9.69E-04	1.16E-04	1.54E-04	5.07E-04	3.50E-05
7358	470330.65	3819287.24	1.68E-03	7.06E-03	6.36E-04	1.40E-03	5.19E-03	4.56E-04	1.59E-04	9.09E-04	1.08E-04	1.44E-04	4.76E-04	3.28E-05
7359	470330.74	3819277.59	1.56E-03	6.54E-03	5.89E-04	1.30E-03	4.80E-03	4.23E-04	1.47E-04	8.42E-04	1.00E-04	1.34E-04	4.41E-04	3.04E-05
7360	470330.82	3819267.94	1.42E-03	5.97E-03	5.38E-04	1.18E-03	4.39E-03	3.86E-04	1.34E-04	7.69E-04	9.17E-05	1.22E-04	4.03E-04	2.77E-05
7361	470330.9	3819258.3	1.28E-03	5.37E-03	4.84E-04	1.07E-03	3.95E-03	3.47E-04	1.21E-04	6.92E-04	8.26E-05	1.10E-04	3.62E-04	2.50E-05
7362	470330.99	3819248.65	1.14E-03	4.77E-03	4.30E-04	9.46E-04	3.51E-03	3.08E-04	1.07E-04	6.14E-04	7.33E-05	9.75E-05	3.22E-04	2.22E-05
7363	470335.64	3819459.82	1.38E-03	5.79E-03	5.21E-04	1.15E-03	4.25E-03	3.74E-04	1.30E-04	7.45E-04	8.89E-05	1.18E-04	3.90E-04	2.69E-05
7364	470332.03	3819468.3	1.34E-03	5.62E-03	5.06E-04	1.11E-03	4.13E-03	3.63E-04	1.26E-04	7.23E-04	8.63E-05	1.15E-04	3.79E-04	2.61E-05
7365	470328.42	3819476.78	1.29E-03	5.42E-03	4.88E-04	1.08E-03	3.98E-03	3.50E-04	1.22E-04	6.98E-04	8.33E-05	1.11E-04	3.65E-04	2.52E-05
7366	470324.81	3819485.25	1.24E-03	5.21E-03	4.69E-04	1.03E-03	3.83E-03	3.37E-04	1.17E-04	6.71E-04	8.00E-05	1.06E-04	3.51E-04	2.42E-05
7367	470312.64	3819497.15	1.24E-03	5.23E-03	4.71E-04	1.04E-03	3.84E-03	3.38E-04	1.18E-04	6.73E-04	8.03E-05	1.07E-04	3.52E-04	2.43E-05
7368	470304.08	3819500.57	1.30E-03	5.46E-03	4.92E-04	1.08E-03	4.02E-03	3.53E-04	1.23E-04	7.03E-04	8.39E-05	1.12E-04	3.68E-04	2.54E-05
7369	470339.25	3819451.34	1.41E-03	5.92E-03	5.33E-04	1.17E-03	4.35E-03	3.82E-04	1.33E-04	7.62E-04	9.09E-05	1.21E-04	3.99E-04	2.75E-05
7370	470339.33	3819441.7	1.50E-03	6.31E-03	5.68E-04	1.25E-03	4.63E-03	4.08E-04	1.42E-04	8.12E-04	9.69E-05	1.29E-04	4.25E-04	2.93E-05
7371	470339.41	3819432.05	1.59E-03	6.68E-03	6.01E-04	1.32E-03	4.91E-03	4.32E-04	1.50E-04	8.60E-04	1.03E-04	1.37E-04	4.50E-04	3.10E-05
7372	470339.5	3819422.4	1.67E-03	7.01E-03	6.32E-04	1.39E-03	5.15E-03	4.53E-04	1.58E-04	9.03E-04	1.08E-04	1.43E-04	4.73E-04	3.26E-05
7373	470339.58	3819412.75	1.74E-03	7.30E-03	6.57E-04	1.45E-03	5.36E-03	4.72E-04	1.64E-04	9.40E-04	1.12E-04	1.49E-04	4.92E-04	3.39E-05
7374	470339.66	3819403.1	1.79E-03	7.53E-03	6.78E-04	1.49E-03	5.53E-03	4.87E-04	1.69E-04	9.69E-04	1.16E-04	1.54E-04	5.08E-04	3.50E-05
7375	470339.74	3819393.46	1.83E-03	7.70E-03	6.94E-04	1.53E-03	5.66E-03	4.98E-04	1.73E-04	9.91E-04	1.18E-04	1.57E-04	5.19E-04	3.58E-05
7376	470339.83	3819383.81	1.86E-03	7.81E-03	7.03E-04	1.55E-03	5.74E-03	5.05E-04	1.76E-04	1.01E-03	1.20E-04	1.60E-04	5.26E-04	3.63E-05
7377	470339.91	3819374.16	1.87E-03	7.86E-03	7.08E-04	1.56E-03	5.78E-03	5.08E-04	1.77E-04	1.01E-03	1.21E-04	1.61E-04	5.30E-04	3.65E-05
7378	470339.99	3819364.51	1.87E-03	7.86E-03	7.08E-04	1.56E-03	5.78E-03	5.08E-04	1.77E-04	1.01E-03	1.21E-04	1.61E-04	5.30E-04	3.65E-05
7379	470340.08	3819354.86	1.86E-03	7.80E-03	7.03E-04	1.55E-03	5.73E-03	5.04E-04	1.75E-04	1.00E-03	1.20E-04	1.59E-04	5.26E-04	3.63E-05
7380	470340.16	3819345.21	1.83E-03	7.69E-03	6.93E-04	1.53E-03	5.65E-03	4.97E-04	1.73E-04	9.90E-04	1.18E-04	1.57E-04	5.19E-04	3.58E-05
7381	470340.24	3819335.57	1.79E-03	7.53E-03	6.78E-04	1.49E-03	5.54E-03	4.87E-04	1.69E-04	9.70E-04	1.16E-04	1.54E-04	5.08E-04	3.50E-05
7382	470340.32	3819325.92	1.74E-03	7.32E-03	6.60E-04	1.45E-03	5.38E-03	4.73E-04	1.65E-04	9.43E-04	1.13E-04	1.50E-04	4.94E-04	3.40E-05
7383	470340.41	3819316.27	1.68E-03	7.07E-03	6.36E-04	1.40E-03	5.19E-03	4.57E-04	1.59E-04	9.10E-04	1.09E-04	1.44E-04	4.76E-04	3.28E-05
7384	470340.49	3819306.62	1.61E-03	6.76E-03	6.09E-04	1.34E-03	4.97E-03	4.37E-04	1.52E-04	8.71E-04	1.04E-04	1.38E-04	4.56E-04	3.14E-05
7385	470340.57	3819296.97	1.53E-03	6.41E-03	5.78E-04	1.27E-03	4.71E-03	4.15E-04	1.44E-04	8.26E-04	9.85E-05	1.31E-04	4.32E-04	2.98E-05
7386	470340.65	3819287.33	1.43E-03	6.02E-03	5.42E-04	1.19E-03	4.42E-03	3.89E-04	1.35E-04	7.75E-04	9.25E-05	1.23E-04	4.06E-04	2.80E-05
7387	470340.74	3819277.68	1.33E-03	5.58E-03	5.03E-04	1.11E-03	4.10E-03	3.61E-04	1.26E-04	7.19E-04	8.58E-05	1.14E-04	3.76E-04	2.59E-05
7388	470340.82	3819268.03	1.22E-03	5.12E-03	4.61E-04	1.02E-03	3.76E-03	3.31E-04	1.15E-04	6.59E-04	7.86E-05	1.05E-04	3.45E-04	2.38E-05

7389	470340.9	3819258.38	1.10E-03	4.64E-03	4.17E-04	9.19E-04	3.41E-03	3.00E-04	1.04E-04	5.97E-04	7.12E-05	9.47E-05	3.12E-04	2.15E-05
7390	470340.99	3819248.73	9.88E-04	4.15E-03	3.74E-04	8.23E-04	3.05E-03	2.68E-04	9.33E-05	5.34E-04	6.37E-05	8.48E-05	2.80E-04	1.93E-05
7391	470345.74	3819459.67	1.24E-03	5.21E-03	4.69E-04	1.03E-03	3.83E-03	3.37E-04	1.17E-04	6.71E-04	8.00E-05	1.07E-04	3.51E-04	2.42E-05
7392	470338.72	3819476.16	1.18E-03	4.94E-03	4.45E-04	9.79E-04	3.63E-03	3.19E-04	1.11E-04	6.36E-04	7.58E-05	1.01E-04	3.33E-04	2.29E-05
7393	470331.7	3819492.64	1.10E-03	4.60E-03	4.14E-04	9.13E-04	3.38E-03	2.97E-04	1.03E-04	5.92E-04	7.07E-05	9.41E-05	3.10E-04	2.14E-05
7394	470319.87	3819504.2	1.10E-03	4.61E-03	4.16E-04	9.15E-04	3.39E-03	2.98E-04	1.04E-04	5.94E-04	7.09E-05	9.43E-05	3.11E-04	2.14E-05
7395	470303.23	3819510.85	1.19E-03	5.00E-03	4.50E-04	9.91E-04	3.67E-03	3.23E-04	1.12E-04	6.43E-04	7.67E-05	1.02E-04	3.37E-04	2.32E-05
7396	470349.33	3819441.78	1.34E-03	5.62E-03	5.06E-04	1.11E-03	4.13E-03	3.63E-04	1.26E-04	7.23E-04	8.63E-05	1.15E-04	3.79E-04	2.61E-05
7397	470349.41	3819432.13	1.41E-03	5.91E-03	5.33E-04	1.17E-03	4.35E-03	3.82E-04	1.33E-04	7.61E-04	9.08E-05	1.21E-04	3.99E-04	2.75E-05
7398	470349.5	3819422.49	1.47E-03	6.18E-03	5.56E-04	1.23E-03	4.54E-03	3.99E-04	1.39E-04	7.95E-04	9.49E-05	1.26E-04	4.16E-04	2.87E-05
7399	470349.58	3819412.84	1.53E-03	6.41E-03	5.77E-04	1.27E-03	4.71E-03	4.14E-04	1.44E-04	8.25E-04	9.84E-05	1.31E-04	4.32E-04	2.98E-05
7400	470349.66	3819403.19	1.57E-03	6.59E-03	5.93E-04	1.31E-03	4.84E-03	4.26E-04	1.48E-04	8.48E-04	1.01E-04	1.35E-04	4.44E-04	3.06E-05
7401	470349.74	3819393.54	1.60E-03	6.72E-03	6.05E-04	1.33E-03	4.94E-03	4.34E-04	1.51E-04	8.65E-04	1.03E-04	1.37E-04	4.53E-04	3.12E-05
7402	470349.83	3819383.89	1.62E-03	6.80E-03	6.12E-04	1.35E-03	5.00E-03	4.40E-04	1.53E-04	8.75E-04	1.04E-04	1.39E-04	4.58E-04	3.16E-05
7403	470349.91	3819374.24	1.63E-03	6.83E-03	6.15E-04	1.36E-03	5.02E-03	4.42E-04	1.54E-04	8.80E-04	1.05E-04	1.40E-04	4.61E-04	3.18E-05
7404	470349.99	3819364.6	1.63E-03	6.83E-03	6.15E-04	1.35E-03	5.02E-03	4.41E-04	1.54E-04	8.79E-04	1.05E-04	1.40E-04	4.60E-04	3.17E-05
7405	470350.07	3819354.95	1.61E-03	6.77E-03	6.10E-04	1.34E-03	4.98E-03	4.38E-04	1.52E-04	8.72E-04	1.04E-04	1.38E-04	4.57E-04	3.15E-05
7406	470350.16	3819345.3	1.59E-03	6.67E-03	6.01E-04	1.32E-03	4.90E-03	4.31E-04	1.50E-04	8.59E-04	1.02E-04	1.36E-04	4.50E-04	3.10E-05
7407	470350.24	3819335.65	1.55E-03	6.53E-03	5.88E-04	1.29E-03	4.80E-03	4.22E-04	1.47E-04	8.40E-04	1.00E-04	1.33E-04	4.40E-04	3.03E-05
7408	470350.32	3819326	1.51E-03	6.34E-03	5.71E-04	1.26E-03	4.66E-03	4.10E-04	1.43E-04	8.16E-04	9.74E-05	1.30E-04	4.27E-04	2.95E-05
7409	470350.41	3819316.36	1.46E-03	6.11E-03	5.51E-04	1.21E-03	4.49E-03	3.95E-04	1.37E-04	7.87E-04	9.39E-05	1.25E-04	4.12E-04	2.84E-05
7410	470350.49	3819306.71	1.39E-03	5.85E-03	5.27E-04	1.16E-03	4.30E-03	3.78E-04	1.31E-04	7.53E-04	8.98E-05	1.20E-04	3.94E-04	2.72E-05
7411	470350.57	3819297.06	1.32E-03	5.55E-03	4.99E-04	1.10E-03	4.07E-03	3.58E-04	1.25E-04	7.14E-04	8.52E-05	1.13E-04	3.74E-04	2.58E-05
7412	470350.65	3819287.41	1.24E-03	5.21E-03	4.69E-04	1.03E-03	3.83E-03	3.37E-04	1.17E-04	6.71E-04	8.00E-05	1.06E-04	3.51E-04	2.42E-05
7413	470350.74	3819277.76	1.15E-03	4.84E-03	4.36E-04	9.60E-04	3.56E-03	3.13E-04	1.09E-04	6.23E-04	7.44E-05	9.90E-05	3.26E-04	2.25E-05
7414	470350.82	3819268.11	1.06E-03	4.45E-03	4.01E-04	8.84E-04	3.27E-03	2.88E-04	1.00E-04	5.73E-04	6.84E-05	9.11E-05	3.00E-04	2.07E-05
7415	470350.9	3819258.47	9.66E-04	4.06E-03	3.65E-04	8.04E-04	2.98E-03	2.62E-04	9.12E-05	5.22E-04	6.23E-05	8.29E-05	2.73E-04	1.88E-05
7416	470350.98	3819248.82	8.71E-04	3.66E-03	3.29E-04	7.25E-04	2.69E-03	2.36E-04	8.22E-05	4.71E-04	5.62E-05	7.47E-05	2.46E-04	1.70E-05
7417	470355.81	3819459.59	1.12E-03	4.72E-03	4.25E-04	9.35E-04	3.47E-03	3.05E-04	1.06E-04	6.07E-04	7.24E-05	9.64E-05	3.18E-04	2.19E-05
7418	470348.93	3819475.74	1.07E-03	4.51E-03	4.06E-04	8.95E-04	3.31E-03	2.92E-04	1.01E-04	5.81E-04	6.93E-05	9.22E-05	3.04E-04	2.10E-05
7419	470342.06	3819491.88	1.01E-03	4.24E-03	3.82E-04	8.42E-04	3.12E-03	2.74E-04	9.54E-05	5.46E-04	6.52E-05	8.68E-05	2.86E-04	1.97E-05
7420	470327.03	3819511.29	9.80E-04	4.12E-03	3.71E-04	8.16E-04	3.02E-03	2.66E-04	9.26E-05	5.30E-04	6.32E-05	8.41E-05	2.77E-04	1.91E-05
7421	470310.73	3819517.8	1.05E-03	4.43E-03	3.99E-04	8.78E-04	3.25E-03	2.86E-04	9.95E-05	5.70E-04	6.80E-05	9.05E-05	2.98E-04	2.06E-05
7422	470359.33	3819441.87	1.20E-03	5.04E-03	4.54E-04	9.99E-04	3.70E-03	3.26E-04	1.13E-04	6.49E-04	7.74E-05	1.03E-04	3.40E-04	2.34E-05
7423	470359.41	3819432.22	1.26E-03	5.28E-03	4.75E-04	1.05E-03	3.88E-03	3.41E-04	1.19E-04	6.79E-04	8.11E-05	1.08E-04	3.56E-04	2.45E-05
7424	470359.5	3819422.57	1.31E-03	5.49E-03	4.94E-04	1.09E-03	4.03E-03	3.55E-04	1.23E-04	7.07E-04	8.43E-05	1.12E-04	3.70E-04	2.55E-05
7425	470359.58	3819412.92	1.35E-03	5.67E-03	5.11E-04	1.13E-03	4.17E-03	3.67E-04	1.28E-04	7.30E-04	8.71E-05	1.16E-04	3.82E-04	2.64E-05
7426	470359.66	3819403.28	1.39E-03	5.82E-03	5.24E-04	1.15E-03	4.28E-03	3.76E-04	1.31E-04	7.49E-04	8.94E-05	1.19E-04	3.92E-04	2.70E-05
7427	470359.74	3819393.63	1.41E-03	5.92E-03	5.33E-04	1.17E-03	4.35E-03	3.83E-04	1.33E-04	7.62E-04	9.10E-05	1.21E-04	3.99E-04	2.75E-05
7428	470359.83	3819383.98	1.43E-03	5.99E-03	5.39E-04	1.19E-03	4.40E-03	3.87E-04	1.35E-04	7.70E-04	9.19E-05	1.22E-04	4.03E-04	2.78E-05
7429	470359.91	3819374.33	1.43E-03	6.01E-03	5.41E-04	1.19E-03	4.41E-03	3.88E-04	1.35E-04	7.73E-04	9.23E-05	1.23E-04	4.05E-04	2.79E-05
7430	470359.99	3819364.68	1.43E-03	5.99E-03	5.40E-04	1.19E-03	4.40E-03	3.87E-04	1.35E-04	7.71E-04	9.20E-05	1.22E-04	4.04E-04	2.78E-05

7431	470360.07	3819355.03	1.41E-03	5.94E-03	5.35E-04	1.18E-03	4.36E-03	3.84E-04	1.34E-04	7.64E-04	9.12E-05	1.21E-04	4.00E-04	2.76E-05
7432	470360.16	3819345.39	1.39E-03	5.84E-03	5.26E-04	1.16E-03	4.29E-03	3.78E-04	1.31E-04	7.52E-04	8.98E-05	1.19E-04	3.94E-04	2.72E-05
7433	470360.24	3819335.74	1.36E-03	5.71E-03	5.15E-04	1.13E-03	4.20E-03	3.69E-04	1.28E-04	7.35E-04	8.78E-05	1.17E-04	3.85E-04	2.65E-05
7434	470360.32	3819326.09	1.32E-03	5.55E-03	5.00E-04	1.10E-03	4.08E-03	3.59E-04	1.25E-04	7.14E-04	8.52E-05	1.13E-04	3.74E-04	2.58E-05
7435	470360.41	3819316.44	1.27E-03	5.35E-03	4.82E-04	1.06E-03	3.93E-03	3.46E-04	1.20E-04	6.88E-04	8.21E-05	1.09E-04	3.60E-04	2.48E-05
7436	470360.49	3819306.79	1.22E-03	5.11E-03	4.61E-04	1.01E-03	3.76E-03	3.31E-04	1.15E-04	6.58E-04	7.86E-05	1.05E-04	3.45E-04	2.38E-05
7437	470360.57	3819297.15	1.16E-03	4.85E-03	4.37E-04	9.62E-04	3.57E-03	3.14E-04	1.09E-04	6.25E-04	7.45E-05	9.92E-05	3.27E-04	2.25E-05
7438	470360.65	3819287.5	1.09E-03	4.56E-03	4.11E-04	9.05E-04	3.35E-03	2.95E-04	1.03E-04	5.87E-04	7.01E-05	9.33E-05	3.08E-04	2.12E-05
7439	470360.74	3819277.85	1.01E-03	4.25E-03	3.83E-04	8.43E-04	3.12E-03	2.75E-04	9.56E-05	5.47E-04	6.53E-05	8.69E-05	2.87E-04	1.98E-05
7440	470360.82	3819268.2	9.34E-04	3.92E-03	3.53E-04	7.78E-04	2.88E-03	2.54E-04	8.82E-05	5.05E-04	6.03E-05	8.02E-05	2.64E-04	1.82E-05
7441	470360.9	3819258.55	8.54E-04	3.59E-03	3.23E-04	7.12E-04	2.64E-03	2.32E-04	8.07E-05	4.62E-04	5.51E-05	7.34E-05	2.42E-04	1.67E-05
7442	470360.98	3819248.9	7.75E-04	3.25E-03	2.93E-04	6.45E-04	2.39E-03	2.10E-04	7.32E-05	4.19E-04	5.00E-05	6.65E-05	2.19E-04	1.51E-05
7443	470365.86	3819459.55	1.02E-03	4.29E-03	3.86E-04	8.50E-04	3.15E-03	2.77E-04	9.64E-05	5.52E-04	6.59E-05	8.76E-05	2.89E-04	1.99E-05
7444	470359.09	3819475.44	9.84E-04	4.13E-03	3.72E-04	8.20E-04	3.04E-03	2.67E-04	9.29E-05	5.32E-04	6.35E-05	8.45E-05	2.79E-04	1.92E-05
7445	470352.32	3819491.34	9.33E-04	3.92E-03	3.53E-04	7.77E-04	2.88E-03	2.53E-04	8.81E-05	5.05E-04	6.02E-05	8.01E-05	2.64E-04	1.82E-05
7446	470345.55	3819507.23	8.78E-04	3.69E-03	3.32E-04	7.32E-04	2.71E-03	2.38E-04	8.29E-05	4.75E-04	5.67E-05	7.54E-05	2.49E-04	1.71E-05
7447	470334.15	3819518.39	8.80E-04	3.70E-03	3.33E-04	7.33E-04	2.72E-03	2.39E-04	8.31E-05	4.76E-04	5.68E-05	7.56E-05	2.49E-04	1.72E-05
7448	470318.11	3819524.8	9.42E-04	3.95E-03	3.56E-04	7.84E-04	2.91E-03	2.56E-04	8.89E-05	5.09E-04	6.07E-05	8.08E-05	2.67E-04	1.84E-05
7449	470302.06	3819531.21	1.00E-03	4.22E-03	3.80E-04	8.36E-04	3.10E-03	2.73E-04	9.48E-05	5.43E-04	6.48E-05	8.62E-05	2.84E-04	1.96E-05
7450	470369.33	3819441.95	1.08E-03	4.55E-03	4.09E-04	9.02E-04	3.34E-03	2.94E-04	1.02E-04	5.85E-04	6.98E-05	9.29E-05	3.06E-04	2.11E-05
7451	470369.41	3819432.31	1.13E-03	4.74E-03	4.27E-04	9.40E-04	3.48E-03	3.06E-04	1.07E-04	6.10E-04	7.28E-05	9.69E-05	3.20E-04	2.20E-05
7452	470369.49	3819422.66	1.17E-03	4.92E-03	4.43E-04	9.75E-04	3.61E-03	3.18E-04	1.11E-04	6.33E-04	7.55E-05	1.00E-04	3.31E-04	2.28E-05
7453	470369.58	3819413.01	1.21E-03	5.06E-03	4.56E-04	1.00E-03	3.72E-03	3.27E-04	1.14E-04	6.52E-04	7.78E-05	1.03E-04	3.41E-04	2.35E-05
7454	470369.66	3819403.36	1.23E-03	5.18E-03	4.66E-04	1.03E-03	3.81E-03	3.35E-04	1.16E-04	6.67E-04	7.95E-05	1.06E-04	3.49E-04	2.41E-05
7455	470369.74	3819393.71	1.25E-03	5.26E-03	4.74E-04	1.04E-03	3.87E-03	3.40E-04	1.18E-04	6.77E-04	8.08E-05	1.08E-04	3.55E-04	2.45E-05
7456	470369.83	3819384.06	1.26E-03	5.31E-03	4.78E-04	1.05E-03	3.90E-03	3.43E-04	1.19E-04	6.84E-04	8.16E-05	1.09E-04	3.58E-04	2.47E-05
7457	470369.91	3819374.42	1.27E-03	5.32E-03	4.79E-04	1.06E-03	3.91E-03	3.44E-04	1.20E-04	6.85E-04	8.18E-05	1.09E-04	3.59E-04	2.47E-05
7458	470369.99	3819364.77	1.26E-03	5.30E-03	4.78E-04	1.05E-03	3.90E-03	3.43E-04	1.19E-04	6.83E-04	8.15E-05	1.08E-04	3.57E-04	2.46E-05
7459	470370.07	3819355.12	1.25E-03	5.25E-03	4.73E-04	1.04E-03	3.86E-03	3.39E-04	1.18E-04	6.76E-04	8.06E-05	1.07E-04	3.54E-04	2.44E-05
7460	470370.16	3819345.47	1.23E-03	5.16E-03	4.65E-04	1.02E-03	3.79E-03	3.34E-04	1.16E-04	6.65E-04	7.93E-05	1.06E-04	3.48E-04	2.40E-05
7461	470370.24	3819335.82	1.20E-03	5.05E-03	4.54E-04	1.00E-03	3.71E-03	3.26E-04	1.13E-04	6.50E-04	7.75E-05	1.03E-04	3.40E-04	2.34E-05
7462	470370.32	3819326.18	1.17E-03	4.90E-03	4.41E-04	9.72E-04	3.60E-03	3.17E-04	1.10E-04	6.31E-04	7.52E-05	1.00E-04	3.30E-04	2.28E-05
7463	470370.4	3819316.53	1.12E-03	4.72E-03	4.25E-04	9.36E-04	3.47E-03	3.05E-04	1.06E-04	6.08E-04	7.25E-05	9.65E-05	3.18E-04	2.19E-05
7464	470370.49	3819306.88	1.08E-03	4.52E-03	4.07E-04	8.96E-04	3.32E-03	2.92E-04	1.02E-04	5.81E-04	6.94E-05	9.23E-05	3.04E-04	2.10E-05
7465	470370.57	3819297.23	1.02E-03	4.29E-03	3.86E-04	8.50E-04	3.15E-03	2.77E-04	9.64E-05	5.52E-04	6.59E-05	8.76E-05	2.89E-04	1.99E-05
7466	470370.65	3819287.58	9.61E-04	4.04E-03	3.64E-04	8.01E-04	2.97E-03	2.61E-04	9.08E-05	5.20E-04	6.20E-05	8.25E-05	2.72E-04	1.88E-05
7467	470370.74	3819277.93	8.98E-04	3.77E-03	3.39E-04	7.48E-04	2.77E-03	2.44E-04	8.48E-05	4.85E-04	5.79E-05	7.71E-05	2.54E-04	1.75E-05
7468	470370.82	3819268.29	8.31E-04	3.49E-03	3.14E-04	6.92E-04	2.56E-03	2.26E-04	7.85E-05	4.49E-04	5.36E-05	7.14E-05	2.35E-04	1.62E-05
7469	470370.9	3819258.64	7.63E-04	3.21E-03	2.89E-04	6.36E-04	2.36E-03	2.07E-04	7.21E-05	4.13E-04	4.92E-05	6.55E-05	2.16E-04	1.49E-05
7470	470370.98	3819248.99	6.96E-04	2.92E-03	2.63E-04	5.80E-04	2.15E-03	1.89E-04	6.57E-05	3.76E-04	4.49E-05	5.97E-05	1.97E-04	1.36E-05
7471	470375.49	3819460.52	9.31E-04	3.91E-03	3.52E-04	7.75E-04	2.87E-03	2.53E-04	8.79E-05	5.03E-04	6.00E-05	7.99E-05	2.63E-04	1.82E-05
7472	470371.72	3819469.35	9.16E-04	3.85E-03	3.46E-04	7.63E-04	2.83E-03	2.49E-04	8.65E-05	4.95E-04	5.91E-05	7.86E-05	2.59E-04	1.79E-05

7473	470367.96	3819478.18	8.97E-04	3.77E-03	3.39E-04	7.47E-04	2.77E-03	2.44E-04	8.47E-05	4.85E-04	5.79E-05	7.70E-05	2.54E-04	1.75E-05
7474	470364.2	3819487.01	8.75E-04	3.67E-03	3.31E-04	7.29E-04	2.70E-03	2.38E-04	8.26E-05	4.73E-04	5.64E-05	7.51E-05	2.48E-04	1.71E-05
7475	470360.44	3819495.84	8.50E-04	3.57E-03	3.21E-04	7.08E-04	2.62E-03	2.31E-04	8.03E-05	4.60E-04	5.48E-05	7.30E-05	2.41E-04	1.66E-05
7476	470356.68	3819504.67	8.24E-04	3.46E-03	3.12E-04	6.86E-04	2.54E-03	2.24E-04	7.78E-05	4.45E-04	5.31E-05	7.07E-05	2.33E-04	1.61E-05
7477	470352.92	3819513.5	7.97E-04	3.35E-03	3.01E-04	6.64E-04	2.46E-03	2.16E-04	7.53E-05	4.31E-04	5.14E-05	6.84E-05	2.26E-04	1.56E-05
7478	470340.25	3819525.89	7.99E-04	3.36E-03	3.02E-04	6.66E-04	2.47E-03	2.17E-04	7.55E-05	4.32E-04	5.15E-05	6.86E-05	2.26E-04	1.56E-05
7479	470331.34	3819529.45	8.28E-04	3.48E-03	3.13E-04	6.90E-04	2.56E-03	2.25E-04	7.82E-05	4.48E-04	5.34E-05	7.11E-05	2.34E-04	1.62E-05
7480	470322.42	3819533.01	8.58E-04	3.60E-03	3.24E-04	7.14E-04	2.65E-03	2.33E-04	8.10E-05	4.64E-04	5.53E-05	7.36E-05	2.43E-04	1.67E-05
7481	470313.51	3819536.58	8.88E-04	3.73E-03	3.36E-04	7.39E-04	2.74E-03	2.41E-04	8.38E-05	4.80E-04	5.73E-05	7.62E-05	2.51E-04	1.73E-05
7482	470304.6	3819540.14	9.18E-04	3.85E-03	3.47E-04	7.64E-04	2.83E-03	2.49E-04	8.66E-05	4.96E-04	5.92E-05	7.88E-05	2.60E-04	1.79E-05
7483	470379.25	3819451.69	9.41E-04	3.95E-03	3.56E-04	7.84E-04	2.90E-03	2.55E-04	8.88E-05	5.09E-04	6.07E-05	8.08E-05	2.66E-04	1.84E-05
7484	470379.33	3819442.04	9.82E-04	4.12E-03	3.71E-04	8.18E-04	3.03E-03	2.67E-04	9.27E-05	5.31E-04	6.33E-05	8.43E-05	2.78E-04	1.92E-05
7485	470379.41	3819432.39	1.02E-03	4.28E-03	3.86E-04	8.50E-04	3.15E-03	2.77E-04	9.63E-05	5.52E-04	6.58E-05	8.76E-05	2.89E-04	1.99E-05
7486	470379.49	3819422.74	1.05E-03	4.43E-03	3.99E-04	8.78E-04	3.25E-03	2.86E-04	9.96E-05	5.70E-04	6.80E-05	9.05E-05	2.98E-04	2.06E-05
7487	470379.58	3819413.09	1.08E-03	4.55E-03	4.10E-04	9.02E-04	3.34E-03	2.94E-04	1.02E-04	5.85E-04	6.98E-05	9.30E-05	3.07E-04	2.11E-05
7488	470379.66	3819403.45	1.11E-03	4.64E-03	4.18E-04	9.21E-04	3.41E-03	3.00E-04	1.04E-04	5.97E-04	7.13E-05	9.49E-05	3.13E-04	2.16E-05
7489	470379.74	3819393.8	1.12E-03	4.71E-03	4.24E-04	9.34E-04	3.46E-03	3.04E-04	1.06E-04	6.06E-04	7.23E-05	9.62E-05	3.17E-04	2.19E-05
7490	470379.83	3819384.15	1.13E-03	4.74E-03	4.27E-04	9.41E-04	3.49E-03	3.07E-04	1.07E-04	6.11E-04	7.29E-05	9.70E-05	3.20E-04	2.20E-05
7491	470379.91	3819374.5	1.13E-03	4.75E-03	4.28E-04	9.42E-04	3.49E-03	3.07E-04	1.07E-04	6.12E-04	7.30E-05	9.71E-05	3.20E-04	2.21E-05
7492	470379.99	3819364.85	1.13E-03	4.73E-03	4.26E-04	9.38E-04	3.47E-03	3.06E-04	1.06E-04	6.09E-04	7.26E-05	9.66E-05	3.19E-04	2.20E-05
7493	470380.07	3819355.21	1.11E-03	4.68E-03	4.21E-04	9.27E-04	3.44E-03	3.02E-04	1.05E-04	6.02E-04	7.18E-05	9.56E-05	3.15E-04	2.17E-05
7494	470380.16	3819345.56	1.09E-03	4.60E-03	4.14E-04	9.11E-04	3.38E-03	2.97E-04	1.03E-04	5.92E-04	7.06E-05	9.39E-05	3.10E-04	2.14E-05
7495	470380.24	3819335.91	1.07E-03	4.49E-03	4.04E-04	8.91E-04	3.30E-03	2.90E-04	1.01E-04	5.78E-04	6.90E-05	9.18E-05	3.03E-04	2.09E-05
7496	470380.32	3819326.26	1.04E-03	4.36E-03	3.93E-04	8.65E-04	3.20E-03	2.82E-04	9.80E-05	5.61E-04	6.70E-05	8.91E-05	2.94E-04	2.03E-05
7497	470380.4	3819316.61	1.00E-03	4.20E-03	3.78E-04	8.34E-04	3.09E-03	2.72E-04	9.45E-05	5.41E-04	6.45E-05	8.59E-05	2.83E-04	1.95E-05
7498	470380.49	3819306.96	9.58E-04	4.02E-03	3.62E-04	7.98E-04	2.96E-03	2.60E-04	9.04E-05	5.18E-04	6.18E-05	8.22E-05	2.71E-04	1.87E-05
7499	470380.57	3819297.32	9.10E-04	3.82E-03	3.44E-04	7.58E-04	2.81E-03	2.47E-04	8.59E-05	4.92E-04	5.87E-05	7.81E-05	2.58E-04	1.78E-05
7500	470380.65	3819287.67	8.58E-04	3.60E-03	3.25E-04	7.15E-04	2.65E-03	2.33E-04	8.10E-05	4.64E-04	5.53E-05	7.37E-05	2.43E-04	1.67E-05
7501	470380.74	3819278.02	8.03E-04	3.37E-03	3.04E-04	6.69E-04	2.48E-03	2.18E-04	7.58E-05	4.34E-04	5.18E-05	6.89E-05	2.27E-04	1.57E-05
7502	470380.82	3819268.37	7.46E-04	3.13E-03	2.82E-04	6.21E-04	2.30E-03	2.02E-04	7.04E-05	4.03E-04	4.81E-05	6.40E-05	2.11E-04	1.45E-05
7503	470380.9	3819258.72	6.87E-04	2.89E-03	2.60E-04	5.73E-04	2.12E-03	1.87E-04	6.49E-05	3.72E-04	4.43E-05	5.90E-05	1.95E-04	1.34E-05
7504	470380.98	3819249.08	6.30E-04	2.64E-03	2.38E-04	5.24E-04	1.94E-03	1.71E-04	5.94E-05	3.40E-04	4.06E-05	5.40E-05	1.78E-04	1.23E-05
7505	470395.64	3819460.34	7.85E-04	3.30E-03	2.97E-04	6.54E-04	2.42E-03	2.13E-04	7.41E-05	4.24E-04	5.06E-05	6.74E-05	2.22E-04	1.53E-05
7506	470392.03	3819468.81	7.77E-04	3.26E-03	2.94E-04	6.47E-04	2.40E-03	2.11E-04	7.34E-05	4.20E-04	5.01E-05	6.67E-05	2.20E-04	1.52E-05
7507	470388.41	3819477.29	7.66E-04	3.22E-03	2.90E-04	6.38E-04	2.36E-03	2.08E-04	7.23E-05	4.14E-04	4.94E-05	6.57E-05	2.17E-04	1.49E-05
7508	470384.8	3819485.77	7.52E-04	3.16E-03	2.85E-04	6.27E-04	2.32E-03	2.04E-04	7.10E-05	4.07E-04	4.85E-05	6.46E-05	2.13E-04	1.47E-05
7509	470381.19	3819494.25	7.37E-04	3.09E-03	2.79E-04	6.14E-04	2.27E-03	2.00E-04	6.96E-05	3.98E-04	4.75E-05	6.32E-05	2.09E-04	1.44E-05
7510	470377.58	3819502.72	7.19E-04	3.02E-03	2.72E-04	5.99E-04	2.22E-03	1.95E-04	6.79E-05	3.89E-04	4.64E-05	6.17E-05	2.04E-04	1.40E-05
7511	470373.97	3819511.2	7.00E-04	2.94E-03	2.65E-04	5.83E-04	2.16E-03	1.90E-04	6.61E-05	3.79E-04	4.52E-05	6.01E-05	1.98E-04	1.37E-05
7512	470370.36	3819519.68	6.81E-04	2.86E-03	2.57E-04	5.67E-04	2.10E-03	1.85E-04	6.43E-05	3.68E-04	4.39E-05	5.84E-05	1.93E-04	1.33E-05
7513	470366.75	3819528.15	6.61E-04	2.78E-03	2.50E-04	5.51E-04	2.04E-03	1.79E-04	6.24E-05	3.57E-04	4.26E-05	5.68E-05	1.87E-04	1.29E-05
7514	470354.59	3819540.05	6.63E-04	2.78E-03	2.51E-04	5.52E-04	2.04E-03	1.80E-04	6.26E-05	3.58E-04	4.27E-05	5.69E-05	1.88E-04	1.29E-05

7515	470346.03	3819543.47	6.83E-04	2.87E-03	2.58E-04	5.69E-04	2.11E-03	1.86E-04	6.45E-05	3.69E-04	4.41E-05	5.87E-05	1.93E-04	1.33E-05
7516	470337.47	3819546.89	7.05E-04	2.96E-03	2.67E-04	5.87E-04	2.18E-03	1.91E-04	6.66E-05	3.81E-04	4.55E-05	6.05E-05	2.00E-04	1.38E-05
7517	470328.92	3819550.31	7.27E-04	3.05E-03	2.75E-04	6.05E-04	2.24E-03	1.97E-04	6.86E-05	3.93E-04	4.69E-05	6.24E-05	2.06E-04	1.42E-05
7518	470320.36	3819553.73	7.49E-04	3.14E-03	2.83E-04	6.24E-04	2.31E-03	2.03E-04	7.07E-05	4.05E-04	4.83E-05	6.43E-05	2.12E-04	1.46E-05
7519	470311.8	3819557.14	7.71E-04	3.24E-03	2.92E-04	6.42E-04	2.38E-03	2.09E-04	7.28E-05	4.17E-04	4.97E-05	6.62E-05	2.18E-04	1.50E-05
7520	470303.25	3819560.56	7.93E-04	3.33E-03	3.00E-04	6.61E-04	2.45E-03	2.15E-04	7.49E-05	4.29E-04	5.12E-05	6.81E-05	2.25E-04	1.55E-05
7521	470399.25	3819451.86	7.90E-04	3.32E-03	2.99E-04	6.58E-04	2.44E-03	2.14E-04	7.46E-05	4.27E-04	5.09E-05	6.78E-05	2.24E-04	1.54E-05
7522	470399.33	3819442.21	8.19E-04	3.44E-03	3.10E-04	6.82E-04	2.53E-03	2.22E-04	7.73E-05	4.43E-04	5.28E-05	7.03E-05	2.32E-04	1.60E-05
7523	470399.41	3819432.56	8.45E-04	3.55E-03	3.20E-04	7.04E-04	2.61E-03	2.29E-04	7.98E-05	4.57E-04	5.45E-05	7.26E-05	2.39E-04	1.65E-05
7524	470399.49	3819422.91	8.69E-04	3.65E-03	3.29E-04	7.24E-04	2.68E-03	2.36E-04	8.20E-05	4.70E-04	5.60E-05	7.46E-05	2.46E-04	1.70E-05
7525	470399.58	3819413.27	8.88E-04	3.73E-03	3.36E-04	7.40E-04	2.74E-03	2.41E-04	8.38E-05	4.80E-04	5.73E-05	7.62E-05	2.51E-04	1.73E-05
7526	470399.66	3819403.62	9.03E-04	3.79E-03	3.41E-04	7.52E-04	2.79E-03	2.45E-04	8.52E-05	4.88E-04	5.82E-05	7.75E-05	2.56E-04	1.76E-05
7527	470399.74	3819393.97	9.13E-04	3.83E-03	3.45E-04	7.60E-04	2.82E-03	2.48E-04	8.62E-05	4.93E-04	5.89E-05	7.84E-05	2.58E-04	1.78E-05
7528	470399.82	3819384.32	9.18E-04	3.85E-03	3.47E-04	7.64E-04	2.83E-03	2.49E-04	8.66E-05	4.96E-04	5.92E-05	7.88E-05	2.60E-04	1.79E-05
7529	470399.91	3819374.67	9.17E-04	3.85E-03	3.47E-04	7.64E-04	2.83E-03	2.49E-04	8.66E-05	4.96E-04	5.92E-05	7.87E-05	2.60E-04	1.79E-05
7530	470399.99	3819365.03	9.11E-04	3.83E-03	3.45E-04	7.59E-04	2.81E-03	2.47E-04	8.61E-05	4.93E-04	5.88E-05	7.82E-05	2.58E-04	1.78E-05
7531	470400.07	3819355.38	9.00E-04	3.78E-03	3.41E-04	7.50E-04	2.78E-03	2.44E-04	8.50E-05	4.87E-04	5.81E-05	7.73E-05	2.55E-04	1.76E-05
7532	470400.16	3819345.73	8.84E-04	3.71E-03	3.34E-04	7.37E-04	2.73E-03	2.40E-04	8.35E-05	4.78E-04	5.70E-05	7.59E-05	2.50E-04	1.73E-05
7533	470400.24	3819336.08	8.64E-04	3.63E-03	3.27E-04	7.19E-04	2.67E-03	2.34E-04	8.16E-05	4.67E-04	5.57E-05	7.41E-05	2.44E-04	1.69E-05
7534	470400.32	3819326.43	8.38E-04	3.52E-03	3.17E-04	6.98E-04	2.59E-03	2.28E-04	7.92E-05	4.53E-04	5.41E-05	7.20E-05	2.37E-04	1.64E-05
7535	470400.4	3819316.78	8.09E-04	3.40E-03	3.06E-04	6.74E-04	2.50E-03	2.20E-04	7.64E-05	4.37E-04	5.22E-05	6.94E-05	2.29E-04	1.58E-05
7536	470400.49	3819307.14	7.75E-04	3.25E-03	2.93E-04	6.46E-04	2.39E-03	2.10E-04	7.32E-05	4.19E-04	5.00E-05	6.65E-05	2.19E-04	1.51E-05
7537	470400.57	3819297.49	7.38E-04	3.10E-03	2.79E-04	6.15E-04	2.28E-03	2.00E-04	6.97E-05	3.99E-04	4.76E-05	6.34E-05	2.09E-04	1.44E-05
7538	470400.65	3819287.84	6.98E-04	2.93E-03	2.64E-04	5.81E-04	2.15E-03	1.90E-04	6.59E-05	3.77E-04	4.50E-05	5.99E-05	1.98E-04	1.36E-05
7539	470400.73	3819278.19	6.56E-04	2.76E-03	2.48E-04	5.46E-04	2.02E-03	1.78E-04	6.20E-05	3.55E-04	4.23E-05	5.63E-05	1.86E-04	1.28E-05
7540	470400.82	3819268.54	6.13E-04	2.57E-03	2.32E-04	5.10E-04	1.89E-03	1.66E-04	5.78E-05	3.31E-04	3.95E-05	5.26E-05	1.73E-04	1.20E-05
7541	470400.9	3819258.9	5.69E-04	2.39E-03	2.15E-04	4.74E-04	1.75E-03	1.54E-04	5.37E-05	3.07E-04	3.67E-05	4.88E-05	1.61E-04	1.11E-05
7542	470400.98	3819249.25	5.25E-04	2.20E-03	1.98E-04	4.37E-04	1.62E-03	1.42E-04	4.95E-05	2.84E-04	3.38E-05	4.50E-05	1.49E-04	1.02E-05
7543	470415.73	3819460.27	6.70E-04	2.81E-03	2.53E-04	5.58E-04	2.07E-03	1.82E-04	6.33E-05	3.62E-04	4.32E-05	5.75E-05	1.90E-04	1.31E-05
7544	470408.71	3819476.76	6.59E-04	2.77E-03	2.49E-04	5.49E-04	2.03E-03	1.79E-04	6.22E-05	3.56E-04	4.25E-05	5.66E-05	1.87E-04	1.29E-05
7545	470401.7	3819493.24	6.41E-04	2.69E-03	2.42E-04	5.34E-04	1.98E-03	1.74E-04	6.05E-05	3.46E-04	4.13E-05	5.50E-05	1.81E-04	1.25E-05
7546	470394.68	3819509.72	6.16E-04	2.59E-03	2.33E-04	5.13E-04	1.90E-03	1.67E-04	5.81E-05	3.33E-04	3.97E-05	5.29E-05	1.74E-04	1.20E-05
7547	470387.66	3819526.21	5.87E-04	2.47E-03	2.22E-04	4.89E-04	1.81E-03	1.59E-04	5.55E-05	3.17E-04	3.79E-05	5.04E-05	1.66E-04	1.15E-05
7548	470380.64	3819542.69	5.58E-04	2.34E-03	2.11E-04	4.65E-04	1.72E-03	1.52E-04	5.27E-05	3.02E-04	3.60E-05	4.79E-05	1.58E-04	1.09E-05
7549	470368.81	3819554.26	5.59E-04	2.35E-03	2.11E-04	4.66E-04	1.73E-03	1.52E-04	5.28E-05	3.02E-04	3.61E-05	4.80E-05	1.58E-04	1.09E-05
7550	470352.17	3819560.9	5.91E-04	2.48E-03	2.24E-04	4.92E-04	1.82E-03	1.60E-04	5.58E-05	3.19E-04	3.81E-05	5.07E-05	1.67E-04	1.15E-05
7551	470335.53	3819567.55	6.24E-04	2.62E-03	2.36E-04	5.20E-04	1.93E-03	1.69E-04	5.89E-05	3.37E-04	4.03E-05	5.36E-05	1.77E-04	1.22E-05
7552	470318.89	3819574.2	6.58E-04	2.77E-03	2.49E-04	5.48E-04	2.03E-03	1.79E-04	6.22E-05	3.56E-04	4.25E-05	5.65E-05	1.86E-04	1.28E-05
7553	470302.26	3819580.85	6.93E-04	2.91E-03	2.62E-04	5.77E-04	2.14E-03	1.88E-04	6.54E-05	3.74E-04	4.47E-05	5.95E-05	1.96E-04	1.35E-05
7554	470419.33	3819442.38	6.93E-04	2.91E-03	2.62E-04	5.77E-04	2.14E-03	1.88E-04	6.54E-05	3.75E-04	4.47E-05	5.95E-05	1.96E-04	1.35E-05
7555	470419.41	3819432.73	7.12E-04	2.99E-03	2.69E-04	5.93E-04	2.20E-03	1.93E-04	6.72E-05	3.85E-04	4.59E-05	6.11E-05	2.01E-04	1.39E-05
7556	470419.49	3819423.09	7.28E-04	3.06E-03	2.75E-04	6.06E-04	2.25E-03	1.98E-04	6.87E-05	3.94E-04	4.70E-05	6.25E-05	2.06E-04	1.42E-05

7557	470419.58	3819413.44	7.41E-04	3.11E-03	2.80E-04	6.17E-04	2.29E-03	2.01E-04	7.00E-05	4.01E-04	4.78E-05	6.36E-05	2.10E-04	1.45E-05
7558	470419.66	3819403.79	7.51E-04	3.15E-03	2.84E-04	6.26E-04	2.32E-03	2.04E-04	7.09E-05	4.06E-04	4.84E-05	6.45E-05	2.13E-04	1.47E-05
7559	470419.74	3819394.14	7.57E-04	3.18E-03	2.86E-04	6.31E-04	2.34E-03	2.06E-04	7.15E-05	4.09E-04	4.88E-05	6.50E-05	2.14E-04	1.48E-05
7560	470419.82	3819384.49	7.60E-04	3.19E-03	2.87E-04	6.33E-04	2.34E-03	2.06E-04	7.17E-05	4.11E-04	4.90E-05	6.52E-05	2.15E-04	1.48E-05
7561	470419.91	3819374.84	7.58E-04	3.18E-03	2.87E-04	6.31E-04	2.34E-03	2.06E-04	7.16E-05	4.10E-04	4.89E-05	6.51E-05	2.15E-04	1.48E-05
7562	470419.99	3819365.2	7.52E-04	3.16E-03	2.85E-04	6.27E-04	2.32E-03	2.04E-04	7.11E-05	4.07E-04	4.85E-05	6.46E-05	2.13E-04	1.47E-05
7563	470420.07	3819355.55	7.43E-04	3.12E-03	2.81E-04	6.19E-04	2.29E-03	2.02E-04	7.02E-05	4.02E-04	4.79E-05	6.38E-05	2.10E-04	1.45E-05
7564	470420.15	3819345.9	7.30E-04	3.06E-03	2.76E-04	6.08E-04	2.25E-03	1.98E-04	6.89E-05	3.94E-04	4.71E-05	6.26E-05	2.07E-04	1.42E-05
7565	470420.24	3819336.25	7.12E-04	2.99E-03	2.69E-04	5.93E-04	2.20E-03	1.93E-04	6.73E-05	3.85E-04	4.59E-05	6.12E-05	2.02E-04	1.39E-05
7566	470420.32	3819326.6	6.92E-04	2.91E-03	2.62E-04	5.76E-04	2.13E-03	1.88E-04	6.53E-05	3.74E-04	4.46E-05	5.94E-05	1.96E-04	1.35E-05
7567	470420.4	3819316.96	6.68E-04	2.81E-03	2.53E-04	5.56E-04	2.06E-03	1.81E-04	6.31E-05	3.61E-04	4.31E-05	5.73E-05	1.89E-04	1.30E-05
7568	470420.49	3819307.31	6.41E-04	2.69E-03	2.43E-04	5.34E-04	1.98E-03	1.74E-04	6.06E-05	3.47E-04	4.14E-05	5.51E-05	1.82E-04	1.25E-05
7569	470420.57	3819297.66	6.12E-04	2.57E-03	2.31E-04	5.10E-04	1.89E-03	1.66E-04	5.78E-05	3.31E-04	3.95E-05	5.25E-05	1.73E-04	1.19E-05
7570	470420.65	3819288.01	5.81E-04	2.44E-03	2.20E-04	4.84E-04	1.79E-03	1.58E-04	5.49E-05	3.14E-04	3.75E-05	4.99E-05	1.64E-04	1.13E-05
7571	470420.73	3819278.36	5.48E-04	2.30E-03	2.07E-04	4.57E-04	1.69E-03	1.49E-04	5.18E-05	2.96E-04	3.54E-05	4.70E-05	1.55E-04	1.07E-05
7572	470420.82	3819268.71	5.14E-04	2.16E-03	1.94E-04	4.28E-04	1.59E-03	1.40E-04	4.86E-05	2.78E-04	3.32E-05	4.41E-05	1.46E-04	1.00E-05
7573	470420.9	3819259.07	4.80E-04	2.02E-03	1.82E-04	4.00E-04	1.48E-03	1.30E-04	4.53E-05	2.59E-04	3.10E-05	4.12E-05	1.36E-04	9.37E-06
7574	470420.98	3819249.42	4.46E-04	1.87E-03	1.69E-04	3.71E-04	1.38E-03	1.21E-04	4.21E-05	2.41E-04	2.88E-05	3.83E-05	1.26E-04	8.70E-06
7575	470435.54	3819460.9	5.78E-04	2.43E-03	2.19E-04	4.81E-04	1.78E-03	1.57E-04	5.46E-05	3.12E-04	3.73E-05	4.96E-05	1.64E-04	1.13E-05
7576	470431.84	3819469.59	5.75E-04	2.42E-03	2.18E-04	4.79E-04	1.78E-03	1.56E-04	5.43E-05	3.11E-04	3.71E-05	4.94E-05	1.63E-04	1.12E-05
7577	470428.14	3819478.29	5.71E-04	2.40E-03	2.16E-04	4.76E-04	1.76E-03	1.55E-04	5.39E-05	3.09E-04	3.68E-05	4.90E-05	1.62E-04	1.11E-05
7578	470424.43	3819486.98	5.65E-04	2.37E-03	2.14E-04	4.71E-04	1.74E-03	1.53E-04	5.34E-05	3.06E-04	3.65E-05	4.85E-05	1.60E-04	1.10E-05
7579	470420.73	3819495.68	5.58E-04	2.34E-03	2.11E-04	4.64E-04	1.72E-03	1.51E-04	5.26E-05	3.01E-04	3.60E-05	4.79E-05	1.58E-04	1.09E-05
7580	470417.03	3819504.37	5.48E-04	2.30E-03	2.07E-04	4.57E-04	1.69E-03	1.49E-04	5.18E-05	2.96E-04	3.54E-05	4.71E-05	1.55E-04	1.07E-05
7581	470413.32	3819513.06	5.38E-04	2.26E-03	2.04E-04	4.48E-04	1.66E-03	1.46E-04	5.08E-05	2.91E-04	3.47E-05	4.62E-05	1.52E-04	1.05E-05
7582	470409.62	3819521.76	5.27E-04	2.21E-03	1.99E-04	4.39E-04	1.63E-03	1.43E-04	4.98E-05	2.85E-04	3.40E-05	4.52E-05	1.49E-04	1.03E-05
7583	470405.92	3819530.45	5.15E-04	2.16E-03	1.95E-04	4.29E-04	1.59E-03	1.40E-04	4.87E-05	2.79E-04	3.32E-05	4.42E-05	1.46E-04	1.01E-05
7584	470402.22	3819539.15	5.03E-04	2.11E-03	1.90E-04	4.19E-04	1.55E-03	1.37E-04	4.75E-05	2.72E-04	3.25E-05	4.32E-05	1.42E-04	9.82E-06
7585	470398.51	3819547.84	4.91E-04	2.06E-03	1.86E-04	4.09E-04	1.52E-03	1.33E-04	4.64E-05	2.66E-04	3.17E-05	4.22E-05	1.39E-04	9.59E-06
7586	470394.81	3819556.54	4.79E-04	2.01E-03	1.81E-04	3.99E-04	1.48E-03	1.30E-04	4.52E-05	2.59E-04	3.09E-05	4.11E-05	1.36E-04	9.35E-06
7587	470382.33	3819568.74	4.80E-04	2.01E-03	1.81E-04	4.00E-04	1.48E-03	1.30E-04	4.53E-05	2.59E-04	3.09E-05	4.12E-05	1.36E-04	9.36E-06
7588	470373.56	3819572.25	4.93E-04	2.07E-03	1.86E-04	4.11E-04	1.52E-03	1.34E-04	4.65E-05	2.66E-04	3.18E-05	4.23E-05	1.40E-04	9.62E-06
7589	470364.78	3819575.75	5.06E-04	2.13E-03	1.91E-04	4.22E-04	1.56E-03	1.37E-04	4.78E-05	2.74E-04	3.27E-05	4.35E-05	1.43E-04	9.88E-06
7590	470356	3819579.26	5.20E-04	2.18E-03	1.97E-04	4.33E-04	1.60E-03	1.41E-04	4.91E-05	2.81E-04	3.35E-05	4.46E-05	1.47E-04	1.01E-05
7591	470347.23	3819582.76	5.34E-04	2.24E-03	2.02E-04	4.45E-04	1.65E-03	1.45E-04	5.04E-05	2.89E-04	3.45E-05	4.59E-05	1.51E-04	1.04E-05
7592	470338.45	3819586.27	5.49E-04	2.30E-03	2.08E-04	4.57E-04	1.69E-03	1.49E-04	5.18E-05	2.97E-04	3.54E-05	4.71E-05	1.55E-04	1.07E-05
7593	470329.68	3819589.78	5.63E-04	2.37E-03	2.13E-04	4.69E-04	1.74E-03	1.53E-04	5.32E-05	3.05E-04	3.63E-05	4.84E-05	1.59E-04	1.10E-05
7594	470320.9	3819593.28	5.78E-04	2.43E-03	2.19E-04	4.82E-04	1.78E-03	1.57E-04	5.46E-05	3.13E-04	3.73E-05	4.96E-05	1.64E-04	1.13E-05
7595	470312.13	3819596.79	5.93E-04	2.49E-03	2.24E-04	4.94E-04	1.83E-03	1.61E-04	5.60E-05	3.21E-04	3.82E-05	5.09E-05	1.68E-04	1.16E-05
7596	470303.35	3819600.3	6.08E-04	2.55E-03	2.30E-04	5.06E-04	1.87E-03	1.65E-04	5.74E-05	3.28E-04	3.92E-05	5.22E-05	1.72E-04	1.19E-05
7597	470439.24	3819452.2	5.78E-04	2.43E-03	2.19E-04	4.82E-04	1.78E-03	1.57E-04	5.46E-05	3.13E-04	3.73E-05	4.96E-05	1.64E-04	1.13E-05
7598	470439.33	3819442.55	5.93E-04	2.49E-03	2.24E-04	4.94E-04	1.83E-03	1.61E-04	5.60E-05	3.21E-04	3.83E-05	5.09E-05	1.68E-04	1.16E-05

7599	470439.41	3819432.91	6.07E-04	2.55E-03	2.30E-04	5.06E-04	1.87E-03	1.65E-04	5.73E-05	3.28E-04	3.91E-05	5.21E-05	1.72E-04	1.18E-05
7600	470439.49	3819423.26	6.18E-04	2.60E-03	2.34E-04	5.15E-04	1.91E-03	1.68E-04	5.84E-05	3.34E-04	3.99E-05	5.31E-05	1.75E-04	1.21E-05
7601	470439.58	3819413.61	6.28E-04	2.64E-03	2.37E-04	5.23E-04	1.94E-03	1.70E-04	5.93E-05	3.39E-04	4.05E-05	5.39E-05	1.78E-04	1.22E-05
7602	470439.66	3819403.96	6.34E-04	2.66E-03	2.40E-04	5.28E-04	1.96E-03	1.72E-04	5.99E-05	3.43E-04	4.09E-05	5.44E-05	1.80E-04	1.24E-05
7603	470439.74	3819394.31	6.38E-04	2.68E-03	2.41E-04	5.31E-04	1.97E-03	1.73E-04	6.03E-05	3.45E-04	4.12E-05	5.48E-05	1.81E-04	1.24E-05
7604	470439.82	3819384.66	6.39E-04	2.68E-03	2.42E-04	5.32E-04	1.97E-03	1.73E-04	6.03E-05	3.45E-04	4.12E-05	5.48E-05	1.81E-04	1.25E-05
7605	470439.91	3819375.02	6.37E-04	2.67E-03	2.41E-04	5.30E-04	1.96E-03	1.73E-04	6.01E-05	3.44E-04	4.11E-05	5.47E-05	1.80E-04	1.24E-05
7606	470439.99	3819365.37	6.31E-04	2.65E-03	2.39E-04	5.26E-04	1.95E-03	1.71E-04	5.96E-05	3.41E-04	4.07E-05	5.42E-05	1.79E-04	1.23E-05
7607	470440.07	3819355.72	6.23E-04	2.62E-03	2.36E-04	5.19E-04	1.92E-03	1.69E-04	5.88E-05	3.37E-04	4.02E-05	5.35E-05	1.76E-04	1.22E-05
7608	470440.15	3819346.07	6.12E-04	2.57E-03	2.31E-04	5.10E-04	1.89E-03	1.66E-04	5.78E-05	3.31E-04	3.95E-05	5.25E-05	1.73E-04	1.19E-05
7609	470440.24	3819336.42	5.98E-04	2.51E-03	2.26E-04	4.98E-04	1.84E-03	1.62E-04	5.64E-05	3.23E-04	3.85E-05	5.13E-05	1.69E-04	1.17E-05
7610	470440.32	3819326.78	5.81E-04	2.44E-03	2.20E-04	4.84E-04	1.79E-03	1.58E-04	5.49E-05	3.14E-04	3.75E-05	4.99E-05	1.64E-04	1.13E-05
7611	470440.4	3819317.13	5.62E-04	2.36E-03	2.12E-04	4.68E-04	1.73E-03	1.52E-04	5.30E-05	3.04E-04	3.62E-05	4.82E-05	1.59E-04	1.10E-05
7612	470440.49	3819307.48	5.40E-04	2.27E-03	2.04E-04	4.50E-04	1.67E-03	1.47E-04	5.10E-05	2.92E-04	3.48E-05	4.64E-05	1.53E-04	1.05E-05
7613	470440.57	3819297.83	5.17E-04	2.17E-03	1.95E-04	4.30E-04	1.59E-03	1.40E-04	4.88E-05	2.79E-04	3.33E-05	4.44E-05	1.46E-04	1.01E-05
7614	470440.65	3819288.18	4.92E-04	2.07E-03	1.86E-04	4.10E-04	1.52E-03	1.34E-04	4.64E-05	2.66E-04	3.17E-05	4.22E-05	1.39E-04	9.60E-06
7615	470440.73	3819278.53	4.66E-04	1.96E-03	1.76E-04	3.88E-04	1.44E-03	1.26E-04	4.40E-05	2.52E-04	3.00E-05	4.00E-05	1.32E-04	9.09E-06
7616	470440.82	3819268.89	4.39E-04	1.84E-03	1.66E-04	3.66E-04	1.35E-03	1.19E-04	4.14E-05	2.37E-04	2.83E-05	3.77E-05	1.24E-04	8.56E-06
7617	470440.9	3819259.24	4.12E-04	1.73E-03	1.56E-04	3.43E-04	1.27E-03	1.12E-04	3.89E-05	2.23E-04	2.66E-05	3.53E-05	1.17E-04	8.03E-06
7618	470440.98	3819249.59	3.85E-04	1.61E-03	1.45E-04	3.20E-04	1.19E-03	1.04E-04	3.63E-05	2.08E-04	2.48E-05	3.30E-05	1.09E-04	7.50E-06
7619	470455.63	3819460.85	5.03E-04	2.11E-03	1.90E-04	4.19E-04	1.55E-03	1.37E-04	4.75E-05	2.72E-04	3.24E-05	4.32E-05	1.42E-04	9.81E-06
7620	470452.02	3819469.33	5.02E-04	2.11E-03	1.90E-04	4.18E-04	1.55E-03	1.36E-04	4.74E-05	2.71E-04	3.24E-05	4.31E-05	1.42E-04	9.80E-06
7621	470448.41	3819477.81	5.00E-04	2.10E-03	1.89E-04	4.16E-04	1.54E-03	1.36E-04	4.72E-05	2.70E-04	3.22E-05	4.29E-05	1.42E-04	9.76E-06
7622	470444.8	3819486.28	4.96E-04	2.08E-03	1.88E-04	4.13E-04	1.53E-03	1.35E-04	4.69E-05	2.68E-04	3.20E-05	4.26E-05	1.41E-04	9.69E-06
7623	470441.19	3819494.76	4.92E-04	2.06E-03	1.86E-04	4.09E-04	1.52E-03	1.33E-04	4.64E-05	2.66E-04	3.17E-05	4.22E-05	1.39E-04	9.59E-06
7624	470437.58	3819503.24	4.86E-04	2.04E-03	1.84E-04	4.04E-04	1.50E-03	1.32E-04	4.58E-05	2.62E-04	3.13E-05	4.17E-05	1.37E-04	9.47E-06
7625	470433.97	3819511.71	4.78E-04	2.01E-03	1.81E-04	3.99E-04	1.48E-03	1.30E-04	4.52E-05	2.59E-04	3.09E-05	4.11E-05	1.35E-04	9.34E-06
7626	470430.36	3819520.19	4.71E-04	1.98E-03	1.78E-04	3.92E-04	1.45E-03	1.28E-04	4.44E-05	2.54E-04	3.03E-05	4.04E-05	1.33E-04	9.18E-06
7627	470426.75	3819528.67	4.62E-04	1.94E-03	1.75E-04	3.85E-04	1.43E-03	1.25E-04	4.36E-05	2.50E-04	2.98E-05	3.97E-05	1.31E-04	9.01E-06
7628	470423.14	3819537.15	4.53E-04	1.90E-03	1.71E-04	3.77E-04	1.40E-03	1.23E-04	4.28E-05	2.45E-04	2.92E-05	3.89E-05	1.28E-04	8.84E-06
7629	470419.53	3819545.62	4.44E-04	1.86E-03	1.68E-04	3.70E-04	1.37E-03	1.20E-04	4.19E-05	2.40E-04	2.86E-05	3.81E-05	1.26E-04	8.66E-06
7630	470415.92	3819554.1	4.34E-04	1.82E-03	1.64E-04	3.62E-04	1.34E-03	1.18E-04	4.10E-05	2.35E-04	2.80E-05	3.73E-05	1.23E-04	8.48E-06
7631	470412.31	3819562.58	4.25E-04	1.78E-03	1.61E-04	3.54E-04	1.31E-03	1.15E-04	4.01E-05	2.30E-04	2.74E-05	3.65E-05	1.20E-04	8.29E-06
7632	470408.7	3819571.06	4.15E-04	1.74E-03	1.57E-04	3.46E-04	1.28E-03	1.13E-04	3.92E-05	2.24E-04	2.68E-05	3.56E-05	1.18E-04	8.10E-06
7633	470396.53	3819582.95	4.16E-04	1.75E-03	1.57E-04	3.46E-04	1.28E-03	1.13E-04	3.93E-05	2.25E-04	2.68E-05	3.57E-05	1.18E-04	8.11E-06
7634	470387.98	3819586.37	4.26E-04	1.79E-03	1.61E-04	3.55E-04	1.31E-03	1.16E-04	4.02E-05	2.30E-04	2.75E-05	3.66E-05	1.21E-04	8.31E-06
7635	470379.42	3819589.79	4.36E-04	1.83E-03	1.65E-04	3.64E-04	1.35E-03	1.18E-04	4.12E-05	2.36E-04	2.81E-05	3.75E-05	1.24E-04	8.52E-06
7636	470370.86	3819593.21	4.47E-04	1.88E-03	1.69E-04	3.73E-04	1.38E-03	1.21E-04	4.22E-05	2.42E-04	2.88E-05	3.84E-05	1.27E-04	8.73E-06
7637	470362.31	3819596.63	4.58E-04	1.92E-03	1.73E-04	3.82E-04	1.41E-03	1.24E-04	4.33E-05	2.48E-04	2.96E-05	3.93E-05	1.30E-04	8.94E-06
7638	470353.75	3819600.04	4.70E-04	1.97E-03	1.78E-04	3.91E-04	1.45E-03	1.27E-04	4.44E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.16E-06
7639	470345.2	3819603.46	4.81E-04	2.02E-03	1.82E-04	4.01E-04	1.49E-03	1.31E-04	4.54E-05	2.60E-04	3.10E-05	4.13E-05	1.36E-04	9.39E-06
7640	470336.64	3819606.88	4.93E-04	2.07E-03	1.87E-04	4.11E-04	1.52E-03	1.34E-04	4.66E-05	2.67E-04	3.18E-05	4.23E-05	1.40E-04	9.62E-06

7641	470328.08	3819610.3	5.05E-04	2.12E-03	1.91E-04	4.21E-04	1.56E-03	1.37E-04	4.77E-05	2.73E-04	3.26E-05	4.34E-05	1.43E-04	9.86E-06
7642	470319.53	3819613.72	5.17E-04	2.17E-03	1.96E-04	4.31E-04	1.60E-03	1.40E-04	4.88E-05	2.80E-04	3.34E-05	4.44E-05	1.46E-04	1.01E-05
7643	470310.97	3819617.14	5.29E-04	2.22E-03	2.00E-04	4.41E-04	1.63E-03	1.44E-04	5.00E-05	2.86E-04	3.41E-05	4.54E-05	1.50E-04	1.03E-05
7644	470302.41	3819620.56	5.41E-04	2.27E-03	2.05E-04	4.51E-04	1.67E-03	1.47E-04	5.11E-05	2.92E-04	3.49E-05	4.64E-05	1.53E-04	1.06E-05
7645	470459.24	3819452.37	5.02E-04	2.11E-03	1.90E-04	4.18E-04	1.55E-03	1.36E-04	4.74E-05	2.71E-04	3.24E-05	4.31E-05	1.42E-04	9.80E-06
7646	470459.33	3819442.73	5.13E-04	2.16E-03	1.94E-04	4.28E-04	1.58E-03	1.39E-04	4.85E-05	2.78E-04	3.31E-05	4.41E-05	1.45E-04	1.00E-05
7647	470459.41	3819433.08	5.23E-04	2.20E-03	1.98E-04	4.36E-04	1.61E-03	1.42E-04	4.94E-05	2.83E-04	3.38E-05	4.49E-05	1.48E-04	1.02E-05
7648	470459.49	3819423.43	5.32E-04	2.23E-03	2.01E-04	4.43E-04	1.64E-03	1.44E-04	5.02E-05	2.87E-04	3.43E-05	4.56E-05	1.50E-04	1.04E-05
7649	470459.57	3819413.78	5.38E-04	2.26E-03	2.03E-04	4.48E-04	1.66E-03	1.46E-04	5.08E-05	2.91E-04	3.47E-05	4.62E-05	1.52E-04	1.05E-05
7650	470459.66	3819404.13	5.42E-04	2.28E-03	2.05E-04	4.52E-04	1.67E-03	1.47E-04	5.12E-05	2.93E-04	3.50E-05	4.66E-05	1.54E-04	1.06E-05
7651	470459.74	3819394.48	5.44E-04	2.29E-03	2.06E-04	4.54E-04	1.68E-03	1.48E-04	5.14E-05	2.94E-04	3.51E-05	4.67E-05	1.54E-04	1.06E-05
7652	470459.82	3819384.84	5.44E-04	2.29E-03	2.06E-04	4.53E-04	1.68E-03	1.48E-04	5.14E-05	2.94E-04	3.51E-05	4.67E-05	1.54E-04	1.06E-05
7653	470459.91	3819375.19	5.42E-04	2.28E-03	2.05E-04	4.51E-04	1.67E-03	1.47E-04	5.12E-05	2.93E-04	3.50E-05	4.65E-05	1.53E-04	1.06E-05
7654	470459.99	3819365.54	5.37E-04	2.26E-03	2.03E-04	4.47E-04	1.66E-03	1.46E-04	5.07E-05	2.90E-04	3.46E-05	4.61E-05	1.52E-04	1.05E-05
7655	470460.07	3819355.89	5.30E-04	2.22E-03	2.00E-04	4.41E-04	1.63E-03	1.44E-04	5.00E-05	2.86E-04	3.42E-05	4.55E-05	1.50E-04	1.03E-05
7656	470460.15	3819346.24	5.20E-04	2.18E-03	1.97E-04	4.33E-04	1.61E-03	1.41E-04	4.91E-05	2.81E-04	3.36E-05	4.47E-05	1.47E-04	1.02E-05
7657	470460.24	3819336.6	5.08E-04	2.14E-03	1.92E-04	4.24E-04	1.57E-03	1.38E-04	4.80E-05	2.75E-04	3.28E-05	4.37E-05	1.44E-04	9.92E-06
7658	470460.32	3819326.95	4.95E-04	2.08E-03	1.87E-04	4.12E-04	1.53E-03	1.34E-04	4.67E-05	2.67E-04	3.19E-05	4.25E-05	1.40E-04	9.65E-06
7659	470460.4	3819317.3	4.79E-04	2.01E-03	1.81E-04	3.99E-04	1.48E-03	1.30E-04	4.52E-05	2.59E-04	3.09E-05	4.11E-05	1.36E-04	9.34E-06
7660	470460.48	3819307.65	4.61E-04	1.94E-03	1.75E-04	3.84E-04	1.42E-03	1.25E-04	4.36E-05	2.49E-04	2.98E-05	3.96E-05	1.31E-04	9.00E-06
7661	470460.57	3819298	4.43E-04	1.86E-03	1.67E-04	3.69E-04	1.37E-03	1.20E-04	4.18E-05	2.39E-04	2.85E-05	3.80E-05	1.25E-04	8.63E-06
7662	470460.65	3819288.35	4.22E-04	1.77E-03	1.60E-04	3.52E-04	1.30E-03	1.15E-04	3.99E-05	2.28E-04	2.72E-05	3.63E-05	1.20E-04	8.24E-06
7663	470460.73	3819278.71	4.01E-04	1.69E-03	1.52E-04	3.34E-04	1.24E-03	1.09E-04	3.79E-05	2.17E-04	2.59E-05	3.45E-05	1.14E-04	7.83E-06
7664	470460.82	3819269.06	3.80E-04	1.59E-03	1.44E-04	3.16E-04	1.17E-03	1.03E-04	3.59E-05	2.05E-04	2.45E-05	3.26E-05	1.07E-04	7.41E-06
7665	470460.9	3819259.41	3.58E-04	1.50E-03	1.35E-04	2.98E-04	1.10E-03	9.71E-05	3.38E-05	1.93E-04	2.31E-05	3.07E-05	1.01E-04	6.98E-06
7666	470460.98	3819249.76	3.36E-04	1.41E-03	1.27E-04	2.80E-04	1.04E-03	9.11E-05	3.17E-05	1.81E-04	2.17E-05	2.88E-05	9.50E-05	6.55E-06
7667	470475.48	3819461.38	4.41E-04	1.85E-03	1.67E-04	3.67E-04	1.36E-03	1.20E-04	4.17E-05	2.38E-04	2.84E-05	3.79E-05	1.25E-04	8.61E-06
7668	470471.72	3819470.21	4.41E-04	1.85E-03	1.67E-04	3.68E-04	1.36E-03	1.20E-04	4.17E-05	2.39E-04	2.85E-05	3.79E-05	1.25E-04	8.61E-06
7669	470467.96	3819479.04	4.40E-04	1.85E-03	1.66E-04	3.67E-04	1.36E-03	1.20E-04	4.16E-05	2.38E-04	2.84E-05	3.78E-05	1.25E-04	8.59E-06
7670	470464.2	3819487.87	4.38E-04	1.84E-03	1.66E-04	3.65E-04	1.35E-03	1.19E-04	4.14E-05	2.37E-04	2.82E-05	3.76E-05	1.24E-04	8.55E-06
7671	470460.44	3819496.7	4.35E-04	1.82E-03	1.64E-04	3.62E-04	1.34E-03	1.18E-04	4.10E-05	2.35E-04	2.80E-05	3.73E-05	1.23E-04	8.48E-06
7672	470456.68	3819505.53	4.30E-04	1.81E-03	1.63E-04	3.58E-04	1.33E-03	1.17E-04	4.06E-05	2.32E-04	2.77E-05	3.69E-05	1.22E-04	8.39E-06
7673	470452.92	3819514.36	4.24E-04	1.78E-03	1.61E-04	3.54E-04	1.31E-03	1.15E-04	4.01E-05	2.29E-04	2.74E-05	3.64E-05	1.20E-04	8.28E-06
7674	470449.16	3819523.19	4.18E-04	1.76E-03	1.58E-04	3.48E-04	1.29E-03	1.14E-04	3.95E-05	2.26E-04	2.70E-05	3.59E-05	1.18E-04	8.16E-06
7675	470445.4	3819532.02	4.11E-04	1.73E-03	1.56E-04	3.43E-04	1.27E-03	1.12E-04	3.88E-05	2.22E-04	2.65E-05	3.53E-05	1.16E-04	8.03E-06
7676	470441.64	3819540.85	4.04E-04	1.70E-03	1.53E-04	3.37E-04	1.25E-03	1.10E-04	3.82E-05	2.18E-04	2.61E-05	3.47E-05	1.14E-04	7.89E-06
7677	470437.88	3819549.68	3.96E-04	1.67E-03	1.50E-04	3.30E-04	1.22E-03	1.08E-04	3.74E-05	2.14E-04	2.56E-05	3.40E-05	1.12E-04	7.74E-06
7678	470434.11	3819558.51	3.89E-04	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.05E-04	3.67E-05	2.10E-04	2.51E-05	3.34E-05	1.10E-04	7.58E-06
7679	470430.35	3819567.34	3.80E-04	1.60E-03	1.44E-04	3.17E-04	1.17E-03	1.03E-04	3.59E-05	2.06E-04	2.45E-05	3.27E-05	1.08E-04	7.42E-06
7680	470426.59	3819576.17	3.72E-04	1.56E-03	1.41E-04	3.10E-04	1.15E-03	1.01E-04	3.52E-05	2.01E-04	2.40E-05	3.20E-05	1.05E-04	7.26E-06
7681	470422.83	3819585	3.64E-04	1.53E-03	1.38E-04	3.03E-04	1.12E-03	9.88E-05	3.44E-05	1.97E-04	2.35E-05	3.12E-05	1.03E-04	7.10E-06
7682	470410.16	3819597.39	3.64E-04	1.53E-03	1.38E-04	3.04E-04	1.12E-03	9.89E-05	3.44E-05	1.97E-04	2.35E-05	3.13E-05	1.03E-04	7.11E-06

7683	470401.25	3819600.96	3.73E-04	1.57E-03	1.41E-04	3.11E-04	1.15E-03	1.01E-04	3.52E-05	2.02E-04	2.41E-05	3.20E-05	1.06E-04	7.28E-06
7684	470392.33	3819604.52	3.82E-04	1.60E-03	1.45E-04	3.18E-04	1.18E-03	1.04E-04	3.61E-05	2.07E-04	2.46E-05	3.28E-05	1.08E-04	7.46E-06
7685	470383.42	3819608.08	3.91E-04	1.64E-03	1.48E-04	3.26E-04	1.21E-03	1.06E-04	3.69E-05	2.12E-04	2.52E-05	3.36E-05	1.11E-04	7.64E-06
7686	470374.51	3819611.64	4.01E-04	1.68E-03	1.52E-04	3.34E-04	1.24E-03	1.09E-04	3.78E-05	2.17E-04	2.58E-05	3.44E-05	1.13E-04	7.82E-06
7687	470365.59	3819615.2	4.11E-04	1.72E-03	1.55E-04	3.42E-04	1.27E-03	1.11E-04	3.88E-05	2.22E-04	2.65E-05	3.52E-05	1.16E-04	8.01E-06
7688	470356.68	3819618.76	4.21E-04	1.77E-03	1.59E-04	3.50E-04	1.30E-03	1.14E-04	3.97E-05	2.27E-04	2.71E-05	3.61E-05	1.19E-04	8.21E-06
7689	470347.77	3819622.32	4.31E-04	1.81E-03	1.63E-04	3.59E-04	1.33E-03	1.17E-04	4.07E-05	2.33E-04	2.78E-05	3.70E-05	1.22E-04	8.41E-06
7690	470338.86	3819625.88	4.41E-04	1.85E-03	1.67E-04	3.68E-04	1.36E-03	1.20E-04	4.17E-05	2.39E-04	2.85E-05	3.79E-05	1.25E-04	8.61E-06
7691	470329.94	3819629.44	4.52E-04	1.90E-03	1.71E-04	3.76E-04	1.39E-03	1.23E-04	4.27E-05	2.44E-04	2.91E-05	3.88E-05	1.28E-04	8.82E-06
7692	470321.03	3819633.01	4.62E-04	1.94E-03	1.75E-04	3.85E-04	1.43E-03	1.26E-04	4.37E-05	2.50E-04	2.98E-05	3.97E-05	1.31E-04	9.02E-06
7693	470312.12	3819636.57	4.73E-04	1.99E-03	1.79E-04	3.94E-04	1.46E-03	1.28E-04	4.47E-05	2.56E-04	3.05E-05	4.06E-05	1.34E-04	9.23E-06
7694	470303.2	3819640.13	4.84E-04	2.03E-03	1.83E-04	4.03E-04	1.49E-03	1.31E-04	4.57E-05	2.61E-04	3.12E-05	4.15E-05	1.37E-04	9.44E-06
7695	470479.24	3819452.54	4.40E-04	1.85E-03	1.66E-04	3.66E-04	1.36E-03	1.19E-04	4.15E-05	2.38E-04	2.84E-05	3.77E-05	1.24E-04	8.58E-06
7696	470479.33	3819442.9	4.48E-04	1.88E-03	1.69E-04	3.73E-04	1.38E-03	1.22E-04	4.23E-05	2.42E-04	2.89E-05	3.85E-05	1.27E-04	8.74E-06
7697	470479.41	3819433.25	4.55E-04	1.91E-03	1.72E-04	3.79E-04	1.41E-03	1.24E-04	4.30E-05	2.46E-04	2.94E-05	3.91E-05	1.29E-04	8.88E-06
7698	470479.49	3819423.6	4.61E-04	1.94E-03	1.74E-04	3.84E-04	1.42E-03	1.25E-04	4.36E-05	2.49E-04	2.98E-05	3.96E-05	1.31E-04	9.00E-06
7699	470479.57	3819413.95	4.66E-04	1.96E-03	1.76E-04	3.88E-04	1.44E-03	1.26E-04	4.40E-05	2.52E-04	3.00E-05	4.00E-05	1.32E-04	9.09E-06
7700	470479.66	3819404.3	4.69E-04	1.97E-03	1.77E-04	3.90E-04	1.45E-03	1.27E-04	4.42E-05	2.53E-04	3.02E-05	4.02E-05	1.33E-04	9.14E-06
7701	470479.74	3819394.66	4.70E-04	1.97E-03	1.78E-04	3.91E-04	1.45E-03	1.28E-04	4.44E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.16E-06
7702	470479.82	3819385.01	4.69E-04	1.97E-03	1.77E-04	3.91E-04	1.45E-03	1.27E-04	4.43E-05	2.54E-04	3.03E-05	4.03E-05	1.33E-04	9.15E-06
7703	470479.9	3819375.36	4.66E-04	1.96E-03	1.76E-04	3.89E-04	1.44E-03	1.27E-04	4.40E-05	2.52E-04	3.01E-05	4.00E-05	1.32E-04	9.10E-06
7704	470479.99	3819365.71	4.62E-04	1.94E-03	1.75E-04	3.85E-04	1.43E-03	1.25E-04	4.36E-05	2.50E-04	2.98E-05	3.97E-05	1.31E-04	9.01E-06
7705	470480.07	3819356.06	4.56E-04	1.91E-03	1.72E-04	3.80E-04	1.41E-03	1.24E-04	4.30E-05	2.46E-04	2.94E-05	3.91E-05	1.29E-04	8.89E-06
7706	470480.15	3819346.41	4.48E-04	1.88E-03	1.69E-04	3.73E-04	1.38E-03	1.22E-04	4.23E-05	2.42E-04	2.89E-05	3.84E-05	1.27E-04	8.73E-06
7707	470480.24	3819336.77	4.38E-04	1.84E-03	1.66E-04	3.65E-04	1.35E-03	1.19E-04	4.13E-05	2.37E-04	2.82E-05	3.76E-05	1.24E-04	8.54E-06
7708	470480.32	3819327.12	4.26E-04	1.79E-03	1.61E-04	3.55E-04	1.32E-03	1.16E-04	4.03E-05	2.30E-04	2.75E-05	3.66E-05	1.21E-04	8.32E-06
7709	470480.4	3819317.47	4.13E-04	1.74E-03	1.56E-04	3.44E-04	1.28E-03	1.12E-04	3.90E-05	2.23E-04	2.67E-05	3.55E-05	1.17E-04	8.06E-06
7710	470480.48	3819307.82	3.99E-04	1.68E-03	1.51E-04	3.32E-04	1.23E-03	1.08E-04	3.77E-05	2.16E-04	2.57E-05	3.42E-05	1.13E-04	7.78E-06
7711	470480.57	3819298.17	3.83E-04	1.61E-03	1.45E-04	3.19E-04	1.18E-03	1.04E-04	3.62E-05	2.07E-04	2.47E-05	3.29E-05	1.09E-04	7.48E-06
7712	470480.65	3819288.53	3.67E-04	1.54E-03	1.39E-04	3.06E-04	1.13E-03	9.96E-05	3.47E-05	1.98E-04	2.37E-05	3.15E-05	1.04E-04	7.16E-06
7713	470480.73	3819278.88	3.50E-04	1.47E-03	1.32E-04	2.91E-04	1.08E-03	9.50E-05	3.30E-05	1.89E-04	2.26E-05	3.00E-05	9.90E-05	6.83E-06
7714	470480.81	3819269.23	3.32E-04	1.39E-03	1.26E-04	2.77E-04	1.02E-03	9.02E-05	3.14E-05	1.80E-04	2.14E-05	2.85E-05	9.40E-05	6.48E-06
7715	470480.9	3819259.58	3.14E-04	1.32E-03	1.19E-04	2.62E-04	9.69E-04	8.53E-05	2.97E-05	1.70E-04	2.03E-05	2.70E-05	8.89E-05	6.13E-06
7716	470480.98	3819249.93	2.96E-04	1.24E-03	1.12E-04	2.47E-04	9.13E-04	8.03E-05	2.80E-05	1.60E-04	1.91E-05	2.54E-05	8.38E-05	5.78E-06
7717	470495.56	3819461.35	3.89E-04	1.64E-03	1.47E-04	3.24E-04	1.20E-03	1.06E-04	3.68E-05	2.11E-04	2.51E-05	3.34E-05	1.10E-04	7.60E-06
7718	470491.89	3819469.98	3.90E-04	1.64E-03	1.48E-04	3.25E-04	1.20E-03	1.06E-04	3.69E-05	2.11E-04	2.52E-05	3.35E-05	1.10E-04	7.62E-06
7719	470488.21	3819478.62	3.90E-04	1.64E-03	1.48E-04	3.25E-04	1.20E-03	1.06E-04	3.68E-05	2.11E-04	2.52E-05	3.35E-05	1.10E-04	7.61E-06
7720	470484.53	3819487.25	3.89E-04	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.06E-04	3.68E-05	2.10E-04	2.51E-05	3.34E-05	1.10E-04	7.59E-06
7721	470480.86	3819495.89	3.87E-04	1.63E-03	1.46E-04	3.23E-04	1.19E-03	1.05E-04	3.66E-05	2.09E-04	2.50E-05	3.32E-05	1.10E-04	7.56E-06
7722	470477.18	3819504.52	3.84E-04	1.61E-03	1.45E-04	3.20E-04	1.19E-03	1.04E-04	3.63E-05	2.08E-04	2.48E-05	3.30E-05	1.09E-04	7.50E-06
7723	470473.5	3819513.16	3.81E-04	1.60E-03	1.44E-04	3.17E-04	1.17E-03	1.03E-04	3.60E-05	2.06E-04	2.46E-05	3.27E-05	1.08E-04	7.43E-06
7724	470469.83	3819521.79	3.76E-04	1.58E-03	1.42E-04	3.14E-04	1.16E-03	1.02E-04	3.55E-05	2.03E-04	2.43E-05	3.23E-05	1.07E-04	7.34E-06

7725	470466.15	3819530.42	3.71E-04	1.56E-03	1.40E-04	3.09E-04	1.15E-03	1.01E-04	3.51E-05	2.01E-04	2.40E-05	3.19E-05	1.05E-04	7.25E-06
7726	470462.47	3819539.06	3.66E-04	1.54E-03	1.38E-04	3.05E-04	1.13E-03	9.94E-05	3.46E-05	1.98E-04	2.36E-05	3.14E-05	1.04E-04	7.14E-06
7727	470458.79	3819547.69	3.60E-04	1.51E-03	1.36E-04	3.00E-04	1.11E-03	9.78E-05	3.40E-05	1.95E-04	2.32E-05	3.09E-05	1.02E-04	7.03E-06
7728	470455.12	3819556.33	3.54E-04	1.49E-03	1.34E-04	2.95E-04	1.09E-03	9.62E-05	3.35E-05	1.92E-04	2.29E-05	3.04E-05	1.00E-04	6.91E-06
7729	470451.44	3819564.96	3.48E-04	1.46E-03	1.32E-04	2.90E-04	1.07E-03	9.45E-05	3.29E-05	1.88E-04	2.24E-05	2.99E-05	9.85E-05	6.79E-06
7730	470447.76	3819573.6	3.41E-04	1.43E-03	1.29E-04	2.84E-04	1.05E-03	9.27E-05	3.22E-05	1.85E-04	2.20E-05	2.93E-05	9.66E-05	6.66E-06
7731	470444.09	3819582.23	3.35E-04	1.41E-03	1.27E-04	2.79E-04	1.03E-03	9.09E-05	3.16E-05	1.81E-04	2.16E-05	2.87E-05	9.48E-05	6.53E-06
7732	470440.41	3819590.86	3.28E-04	1.38E-03	1.24E-04	2.73E-04	1.01E-03	8.91E-05	3.10E-05	1.77E-04	2.12E-05	2.82E-05	9.29E-05	6.40E-06
7733	470436.73	3819599.5	3.21E-04	1.35E-03	1.22E-04	2.68E-04	9.92E-04	8.73E-05	3.04E-05	1.74E-04	2.07E-05	2.76E-05	9.10E-05	6.27E-06
7734	470424.34	3819611.62	3.22E-04	1.35E-03	1.22E-04	2.68E-04	9.93E-04	8.73E-05	3.04E-05	1.74E-04	2.08E-05	2.76E-05	9.11E-05	6.28E-06
7735	470415.62	3819615.1	3.29E-04	1.38E-03	1.24E-04	2.74E-04	1.01E-03	8.93E-05	3.11E-05	1.78E-04	2.12E-05	2.82E-05	9.31E-05	6.42E-06
7736	470406.91	3819618.58	3.36E-04	1.41E-03	1.27E-04	2.80E-04	1.04E-03	9.12E-05	3.17E-05	1.82E-04	2.17E-05	2.88E-05	9.51E-05	6.56E-06
7737	470398.19	3819622.06	3.43E-04	1.44E-03	1.30E-04	2.86E-04	1.06E-03	9.32E-05	3.24E-05	1.86E-04	2.22E-05	2.95E-05	9.72E-05	6.70E-06
7738	470389.48	3819625.54	3.51E-04	1.47E-03	1.33E-04	2.92E-04	1.08E-03	9.53E-05	3.32E-05	1.90E-04	2.26E-05	3.01E-05	9.94E-05	6.85E-06
7739	470380.77	3819629.03	3.59E-04	1.51E-03	1.36E-04	2.99E-04	1.11E-03	9.74E-05	3.39E-05	1.94E-04	2.32E-05	3.08E-05	1.02E-04	7.00E-06
7740	470372.05	3819632.51	3.67E-04	1.54E-03	1.39E-04	3.06E-04	1.13E-03	9.97E-05	3.47E-05	1.98E-04	2.37E-05	3.15E-05	1.04E-04	7.16E-06
7741	470363.34	3819635.99	3.75E-04	1.58E-03	1.42E-04	3.13E-04	1.16E-03	1.02E-04	3.55E-05	2.03E-04	2.42E-05	3.22E-05	1.06E-04	7.33E-06
7742	470354.62	3819639.47	3.84E-04	1.61E-03	1.45E-04	3.20E-04	1.18E-03	1.04E-04	3.63E-05	2.08E-04	2.48E-05	3.30E-05	1.09E-04	7.49E-06
7743	470345.91	3819642.95	3.93E-04	1.65E-03	1.49E-04	3.27E-04	1.21E-03	1.07E-04	3.71E-05	2.12E-04	2.53E-05	3.37E-05	1.11E-04	7.66E-06
7744	470337.19	3819646.43	4.01E-04	1.69E-03	1.52E-04	3.34E-04	1.24E-03	1.09E-04	3.79E-05	2.17E-04	2.59E-05	3.45E-05	1.14E-04	7.83E-06
7745	470328.48	3819649.92	4.10E-04	1.72E-03	1.55E-04	3.42E-04	1.27E-03	1.11E-04	3.87E-05	2.22E-04	2.65E-05	3.52E-05	1.16E-04	8.01E-06
7746	470319.76	3819653.4	4.19E-04	1.76E-03	1.58E-04	3.49E-04	1.29E-03	1.14E-04	3.96E-05	2.27E-04	2.70E-05	3.60E-05	1.19E-04	8.18E-06
7747	470311.05	3819656.88	4.28E-04	1.80E-03	1.62E-04	3.57E-04	1.32E-03	1.16E-04	4.04E-05	2.31E-04	2.76E-05	3.67E-05	1.21E-04	8.35E-06
7748	470302.33	3819660.36	4.37E-04	1.83E-03	1.65E-04	3.64E-04	1.35E-03	1.19E-04	4.12E-05	2.36E-04	2.82E-05	3.75E-05	1.24E-04	8.52E-06
7749	470499.24	3819452.72	3.88E-04	1.63E-03	1.47E-04	3.23E-04	1.20E-03	1.05E-04	3.66E-05	2.09E-04	2.50E-05	3.33E-05	1.10E-04	7.56E-06
7750	470499.32	3819443.07	3.94E-04	1.65E-03	1.49E-04	3.28E-04	1.22E-03	1.07E-04	3.72E-05	2.13E-04	2.54E-05	3.38E-05	1.12E-04	7.69E-06
7751	470499.41	3819433.42	3.99E-04	1.68E-03	1.51E-04	3.33E-04	1.23E-03	1.08E-04	3.77E-05	2.16E-04	2.58E-05	3.43E-05	1.13E-04	7.79E-06
7752	470499.49	3819423.77	4.04E-04	1.70E-03	1.53E-04	3.36E-04	1.25E-03	1.10E-04	3.81E-05	2.18E-04	2.60E-05	3.47E-05	1.14E-04	7.88E-06
7753	470499.57	3819414.12	4.07E-04	1.71E-03	1.54E-04	3.39E-04	1.26E-03	1.10E-04	3.84E-05	2.20E-04	2.62E-05	3.49E-05	1.15E-04	7.94E-06
7754	470499.66	3819404.48	4.09E-04	1.72E-03	1.55E-04	3.40E-04	1.26E-03	1.11E-04	3.86E-05	2.21E-04	2.64E-05	3.51E-05	1.16E-04	7.97E-06
7755	470499.74	3819394.83	4.09E-04	1.72E-03	1.55E-04	3.41E-04	1.26E-03	1.11E-04	3.86E-05	2.21E-04	2.64E-05	3.51E-05	1.16E-04	7.98E-06
7756	470499.82	3819385.18	4.08E-04	1.71E-03	1.54E-04	3.40E-04	1.26E-03	1.11E-04	3.85E-05	2.21E-04	2.63E-05	3.50E-05	1.15E-04	7.96E-06
7757	470499.9	3819375.53	4.05E-04	1.70E-03	1.53E-04	3.38E-04	1.25E-03	1.10E-04	3.83E-05	2.19E-04	2.62E-05	3.48E-05	1.15E-04	7.91E-06
7758	470499.99	3819365.88	4.01E-04	1.69E-03	1.52E-04	3.34E-04	1.24E-03	1.09E-04	3.79E-05	2.17E-04	2.59E-05	3.45E-05	1.14E-04	7.83E-06
7759	470500.07	3819356.23	3.96E-04	1.66E-03	1.50E-04	3.30E-04	1.22E-03	1.07E-04	3.74E-05	2.14E-04	2.55E-05	3.40E-05	1.12E-04	7.73E-06
7760	470500.15	3819346.59	3.89E-04	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.06E-04	3.67E-05	2.10E-04	2.51E-05	3.34E-05	1.10E-04	7.59E-06
7761	470500.23	3819336.94	3.81E-04	1.60E-03	1.44E-04	3.17E-04	1.17E-03	1.03E-04	3.59E-05	2.06E-04	2.46E-05	3.27E-05	1.08E-04	7.43E-06
7762	470500.32	3819327.29	3.71E-04	1.56E-03	1.40E-04	3.09E-04	1.15E-03	1.01E-04	3.50E-05	2.01E-04	2.39E-05	3.19E-05	1.05E-04	7.24E-06
7763	470500.4	3819317.64	3.60E-04	1.51E-03	1.36E-04	3.00E-04	1.11E-03	9.78E-05	3.40E-05	1.95E-04	2.32E-05	3.09E-05	1.02E-04	7.03E-06
7764	470515.63	3819461.37	3.46E-04	1.45E-03	1.31E-04	2.88E-04	1.07E-03	9.40E-05	3.27E-05	1.87E-04	2.23E-05	2.97E-05	9.80E-05	6.75E-06
7765	470512.02	3819469.84	3.47E-04	1.46E-03	1.31E-04	2.89E-04	1.07E-03	9.43E-05	3.28E-05	1.88E-04	2.24E-05	2.98E-05	9.83E-05	6.78E-06
7766	470508.41	3819478.32	3.48E-04	1.46E-03	1.32E-04	2.90E-04	1.07E-03	9.44E-05	3.28E-05	1.88E-04	2.24E-05	2.99E-05	9.85E-05	6.79E-06

7767	470504.8	3819486.8	3.48E-04	1.46E-03	1.31E-04	2.89E-04	1.07E-03	9.43E-05	3.28E-05	1.88E-04	2.24E-05	2.98E-05	9.84E-05	6.78E-06
7768	470501.19	3819495.27	3.47E-04	1.46E-03	1.31E-04	2.89E-04	1.07E-03	9.41E-05	3.27E-05	1.87E-04	2.24E-05	2.97E-05	9.81E-05	6.76E-06
7769	470497.58	3819503.75	3.45E-04	1.45E-03	1.30E-04	2.87E-04	1.06E-03	9.36E-05	3.26E-05	1.86E-04	2.22E-05	2.96E-05	9.76E-05	6.73E-06
7770	470493.97	3819512.23	3.43E-04	1.44E-03	1.30E-04	2.85E-04	1.06E-03	9.30E-05	3.23E-05	1.85E-04	2.21E-05	2.94E-05	9.70E-05	6.68E-06
7771	470490.36	3819520.71	3.40E-04	1.43E-03	1.28E-04	2.83E-04	1.05E-03	9.22E-05	3.21E-05	1.84E-04	2.19E-05	2.92E-05	9.61E-05	6.63E-06
7772	470486.75	3819529.18	3.36E-04	1.41E-03	1.27E-04	2.80E-04	1.04E-03	9.13E-05	3.17E-05	1.82E-04	2.17E-05	2.89E-05	9.52E-05	6.56E-06
7773	470483.14	3819537.66	3.32E-04	1.40E-03	1.26E-04	2.77E-04	1.03E-03	9.02E-05	3.14E-05	1.80E-04	2.14E-05	2.85E-05	9.40E-05	6.48E-06
7774	470479.53	3819546.14	3.28E-04	1.38E-03	1.24E-04	2.73E-04	1.01E-03	8.90E-05	3.10E-05	1.77E-04	2.12E-05	2.82E-05	9.28E-05	6.40E-06
7775	470475.92	3819554.62	3.23E-04	1.36E-03	1.22E-04	2.69E-04	9.98E-04	8.78E-05	3.05E-05	1.75E-04	2.09E-05	2.78E-05	9.15E-05	6.31E-06
7776	470472.31	3819563.09	3.18E-04	1.34E-03	1.20E-04	2.65E-04	9.83E-04	8.65E-05	3.01E-05	1.72E-04	2.05E-05	2.73E-05	9.01E-05	6.21E-06
7777	470468.7	3819571.57	3.13E-04	1.32E-03	1.19E-04	2.61E-04	9.67E-04	8.51E-05	2.96E-05	1.69E-04	2.02E-05	2.69E-05	8.87E-05	6.11E-06
7778	470465.09	3819580.05	3.08E-04	1.29E-03	1.17E-04	2.57E-04	9.51E-04	8.36E-05	2.91E-05	1.67E-04	1.99E-05	2.64E-05	8.72E-05	6.01E-06
7779	470461.48	3819588.52	3.03E-04	1.27E-03	1.14E-04	2.52E-04	9.34E-04	8.22E-05	2.86E-05	1.64E-04	1.95E-05	2.60E-05	8.57E-05	5.91E-06
7780	470457.87	3819597	2.97E-04	1.25E-03	1.12E-04	2.48E-04	9.17E-04	8.07E-05	2.81E-05	1.61E-04	1.92E-05	2.55E-05	8.41E-05	5.80E-06
7781	470454.26	3819605.48	2.92E-04	1.22E-03	1.10E-04	2.43E-04	9.00E-04	7.92E-05	2.75E-05	1.58E-04	1.88E-05	2.50E-05	8.26E-05	5.69E-06
7782	470450.65	3819613.96	2.86E-04	1.20E-03	1.08E-04	2.38E-04	8.83E-04	7.77E-05	2.70E-05	1.55E-04	1.85E-05	2.46E-05	8.10E-05	5.58E-06
7783	470438.48	3819625.85	2.86E-04	1.20E-03	1.08E-04	2.39E-04	8.84E-04	7.77E-05	2.70E-05	1.55E-04	1.85E-05	2.46E-05	8.11E-05	5.59E-06
7784	470429.92	3819629.27	2.92E-04	1.23E-03	1.10E-04	2.43E-04	9.02E-04	7.93E-05	2.76E-05	1.58E-04	1.88E-05	2.51E-05	8.27E-05	5.70E-06
7785	470421.37	3819632.69	2.98E-04	1.25E-03	1.13E-04	2.48E-04	9.20E-04	8.09E-05	2.81E-05	1.61E-04	1.92E-05	2.56E-05	8.44E-05	5.82E-06
7786	470412.81	3819636.11	3.04E-04	1.28E-03	1.15E-04	2.53E-04	9.39E-04	8.26E-05	2.87E-05	1.64E-04	1.96E-05	2.61E-05	8.61E-05	5.93E-06
7787	470404.25	3819639.53	3.10E-04	1.30E-03	1.17E-04	2.59E-04	9.58E-04	8.43E-05	2.93E-05	1.68E-04	2.00E-05	2.66E-05	8.79E-05	6.06E-06
7788	470395.7	3819642.95	3.17E-04	1.33E-03	1.20E-04	2.64E-04	9.78E-04	8.60E-05	2.99E-05	1.71E-04	2.04E-05	2.72E-05	8.97E-05	6.18E-06
7789	470387.14	3819646.36	3.24E-04	1.36E-03	1.22E-04	2.69E-04	9.98E-04	8.78E-05	3.06E-05	1.75E-04	2.09E-05	2.78E-05	9.16E-05	6.31E-06
7790	470378.59	3819649.78	3.30E-04	1.39E-03	1.25E-04	2.75E-04	1.02E-03	8.97E-05	3.12E-05	1.79E-04	2.13E-05	2.84E-05	9.35E-05	6.45E-06
7791	470370.03	3819653.2	3.37E-04	1.42E-03	1.28E-04	2.81E-04	1.04E-03	9.16E-05	3.19E-05	1.82E-04	2.18E-05	2.90E-05	9.55E-05	6.58E-06
7792	470361.47	3819656.62	3.45E-04	1.45E-03	1.30E-04	2.87E-04	1.06E-03	9.36E-05	3.25E-05	1.86E-04	2.22E-05	2.96E-05	9.76E-05	6.72E-06
7793	470352.92	3819660.04	3.52E-04	1.48E-03	1.33E-04	2.93E-04	1.09E-03	9.55E-05	3.32E-05	1.90E-04	2.27E-05	3.02E-05	9.96E-05	6.87E-06
7794	470344.36	3819663.46	3.59E-04	1.51E-03	1.36E-04	2.99E-04	1.11E-03	9.76E-05	3.39E-05	1.94E-04	2.32E-05	3.09E-05	1.02E-04	7.01E-06
7795	470335.8	3819666.88	3.67E-04	1.54E-03	1.39E-04	3.06E-04	1.13E-03	9.96E-05	3.46E-05	1.98E-04	2.37E-05	3.15E-05	1.04E-04	7.16E-06
7796	470327.25	3819670.29	3.74E-04	1.57E-03	1.42E-04	3.12E-04	1.16E-03	1.02E-04	3.54E-05	2.02E-04	2.41E-05	3.21E-05	1.06E-04	7.30E-06
7797	470318.69	3819673.71	3.82E-04	1.60E-03	1.44E-04	3.18E-04	1.18E-03	1.04E-04	3.60E-05	2.06E-04	2.46E-05	3.28E-05	1.08E-04	7.45E-06
7798	470310.13	3819677.13	3.89E-04	1.63E-03	1.47E-04	3.24E-04	1.20E-03	1.06E-04	3.68E-05	2.10E-04	2.51E-05	3.34E-05	1.10E-04	7.59E-06
7799	470301.58	3819680.55	3.96E-04	1.66E-03	1.50E-04	3.30E-04	1.22E-03	1.08E-04	3.74E-05	2.14E-04	2.56E-05	3.40E-05	1.12E-04	7.73E-06
7800	470519.24	3819452.89	3.44E-04	1.44E-03	1.30E-04	2.87E-04	1.06E-03	9.34E-05	3.25E-05	1.86E-04	2.22E-05	2.95E-05	9.74E-05	6.71E-06
7801	470519.32	3819443.24	3.49E-04	1.47E-03	1.32E-04	2.91E-04	1.08E-03	9.47E-05	3.29E-05	1.89E-04	2.25E-05	3.00E-05	9.88E-05	6.81E-06
7802	470519.41	3819433.59	3.53E-04	1.48E-03	1.33E-04	2.94E-04	1.09E-03	9.58E-05	3.33E-05	1.91E-04	2.28E-05	3.03E-05	9.99E-05	6.89E-06
7803	470519.49	3819423.94	3.56E-04	1.50E-03	1.35E-04	2.97E-04	1.10E-03	9.67E-05	3.36E-05	1.92E-04	2.30E-05	3.06E-05	1.01E-04	6.95E-06
7804	470519.57	3819414.3	3.58E-04	1.50E-03	1.35E-04	2.98E-04	1.11E-03	9.72E-05	3.38E-05	1.94E-04	2.31E-05	3.08E-05	1.01E-04	6.99E-06
7805	470519.65	3819404.65	3.59E-04	1.51E-03	1.36E-04	2.99E-04	1.11E-03	9.75E-05	3.39E-05	1.94E-04	2.32E-05	3.08E-05	1.02E-04	7.01E-06
7806	470519.74	3819395	3.59E-04	1.51E-03	1.36E-04	2.99E-04	1.11E-03	9.75E-05	3.39E-05	1.94E-04	2.32E-05	3.08E-05	1.02E-04	7.01E-06
7807	470535.52	3819461.81	3.09E-04	1.30E-03	1.17E-04	2.58E-04	9.55E-04	8.40E-05	2.92E-05	1.67E-04	2.00E-05	2.66E-05	8.76E-05	6.04E-06
7808	470531.79	3819470.55	3.11E-04	1.31E-03	1.18E-04	2.59E-04	9.60E-04	8.44E-05	2.94E-05	1.68E-04	2.01E-05	2.67E-05	8.80E-05	6.07E-06

7809	470528.07	3819479.3	3.12E-04	1.31E-03	1.18E-04	2.60E-04	9.62E-04	8.46E-05	2.94E-05	1.69E-04	2.01E-05	2.68E-05	8.82E-05	6.08E-06
7810	470524.34	3819488.04	3.12E-04	1.31E-03	1.18E-04	2.60E-04	9.63E-04	8.47E-05	2.95E-05	1.69E-04	2.01E-05	2.68E-05	8.83E-05	6.09E-06
7811	470520.62	3819496.79	3.11E-04	1.31E-03	1.18E-04	2.59E-04	9.61E-04	8.45E-05	2.94E-05	1.68E-04	2.01E-05	2.67E-05	8.82E-05	6.08E-06
7812	470516.89	3819505.54	3.10E-04	1.30E-03	1.17E-04	2.58E-04	9.58E-04	8.42E-05	2.93E-05	1.68E-04	2.00E-05	2.66E-05	8.78E-05	6.06E-06
7813	470513.17	3819514.28	3.09E-04	1.30E-03	1.17E-04	2.57E-04	9.52E-04	8.38E-05	2.91E-05	1.67E-04	1.99E-05	2.65E-05	8.74E-05	6.02E-06
7814	470509.44	3819523.03	3.06E-04	1.29E-03	1.16E-04	2.55E-04	9.46E-04	8.32E-05	2.89E-05	1.66E-04	1.98E-05	2.63E-05	8.67E-05	5.98E-06
7815	470505.72	3819531.78	3.04E-04	1.28E-03	1.15E-04	2.53E-04	9.37E-04	8.25E-05	2.87E-05	1.64E-04	1.96E-05	2.61E-05	8.60E-05	5.93E-06
7816	470501.99	3819540.52	3.01E-04	1.26E-03	1.14E-04	2.50E-04	9.28E-04	8.16E-05	2.84E-05	1.63E-04	1.94E-05	2.58E-05	8.51E-05	5.87E-06
7817	470498.27	3819549.27	2.97E-04	1.25E-03	1.12E-04	2.48E-04	9.17E-04	8.07E-05	2.81E-05	1.61E-04	1.92E-05	2.55E-05	8.41E-05	5.80E-06
7818	470494.54	3819558.02	2.93E-04	1.23E-03	1.11E-04	2.44E-04	9.05E-04	7.96E-05	2.77E-05	1.59E-04	1.89E-05	2.52E-05	8.30E-05	5.72E-06
7819	470490.82	3819566.76	2.89E-04	1.21E-03	1.09E-04	2.41E-04	8.93E-04	7.85E-05	2.73E-05	1.56E-04	1.87E-05	2.48E-05	8.19E-05	5.64E-06
7820	470487.09	3819575.51	2.85E-04	1.20E-03	1.08E-04	2.37E-04	8.79E-04	7.74E-05	2.69E-05	1.54E-04	1.84E-05	2.45E-05	8.07E-05	5.56E-06
7821	470483.37	3819584.26	2.80E-04	1.18E-03	1.06E-04	2.34E-04	8.65E-04	7.61E-05	2.65E-05	1.52E-04	1.81E-05	2.41E-05	7.94E-05	5.47E-06
7822	470479.64	3819593	2.76E-04	1.16E-03	1.04E-04	2.30E-04	8.51E-04	7.49E-05	2.60E-05	1.49E-04	1.78E-05	2.37E-05	7.81E-05	5.38E-06
7823	470475.92	3819601.75	2.71E-04	1.14E-03	1.03E-04	2.26E-04	8.37E-04	7.36E-05	2.56E-05	1.47E-04	1.75E-05	2.33E-05	7.67E-05	5.29E-06
7824	470472.19	3819610.49	2.66E-04	1.12E-03	1.01E-04	2.22E-04	8.22E-04	7.23E-05	2.51E-05	1.44E-04	1.72E-05	2.29E-05	7.54E-05	5.20E-06
7825	470468.47	3819619.24	2.61E-04	1.10E-03	9.89E-05	2.18E-04	8.07E-04	7.10E-05	2.47E-05	1.41E-04	1.69E-05	2.24E-05	7.40E-05	5.10E-06
7826	470464.74	3819627.99	2.57E-04	1.08E-03	9.71E-05	2.14E-04	7.92E-04	6.97E-05	2.42E-05	1.39E-04	1.66E-05	2.20E-05	7.26E-05	5.01E-06
7827	470452.19	3819640.26	2.57E-04	1.08E-03	9.71E-05	2.14E-04	7.93E-04	6.97E-05	2.43E-05	1.39E-04	1.66E-05	2.20E-05	7.27E-05	5.01E-06
7828	470443.36	3819643.79	2.62E-04	1.10E-03	9.90E-05	2.18E-04	8.08E-04	7.11E-05	2.47E-05	1.42E-04	1.69E-05	2.25E-05	7.41E-05	5.11E-06
7829	470434.53	3819647.32	2.67E-04	1.12E-03	1.01E-04	2.22E-04	8.24E-04	7.25E-05	2.52E-05	1.44E-04	1.72E-05	2.29E-05	7.56E-05	5.21E-06
7830	470425.71	3819650.84	2.72E-04	1.14E-03	1.03E-04	2.27E-04	8.41E-04	7.39E-05	2.57E-05	1.47E-04	1.76E-05	2.34E-05	7.71E-05	5.31E-06
7831	470416.88	3819654.37	2.78E-04	1.17E-03	1.05E-04	2.31E-04	8.57E-04	7.54E-05	2.62E-05	1.50E-04	1.79E-05	2.39E-05	7.86E-05	5.42E-06
7832	470408.05	3819657.9	2.84E-04	1.19E-03	1.07E-04	2.36E-04	8.75E-04	7.70E-05	2.68E-05	1.53E-04	1.83E-05	2.43E-05	8.03E-05	5.53E-06
7833	470399.22	3819661.42	2.89E-04	1.22E-03	1.09E-04	2.41E-04	8.93E-04	7.85E-05	2.73E-05	1.56E-04	1.87E-05	2.48E-05	8.19E-05	5.65E-06
7834	470390.39	3819664.95	2.95E-04	1.24E-03	1.12E-04	2.46E-04	9.11E-04	8.02E-05	2.79E-05	1.60E-04	1.91E-05	2.54E-05	8.36E-05	5.76E-06
7835	470381.57	3819668.48	3.02E-04	1.27E-03	1.14E-04	2.51E-04	9.31E-04	8.19E-05	2.85E-05	1.63E-04	1.95E-05	2.59E-05	8.54E-05	5.88E-06
7836	470372.74	3819672.01	3.08E-04	1.29E-03	1.16E-04	2.57E-04	9.50E-04	8.36E-05	2.91E-05	1.66E-04	1.99E-05	2.64E-05	8.72E-05	6.01E-06
7837	470363.91	3819675.53	3.15E-04	1.32E-03	1.19E-04	2.62E-04	9.71E-04	8.54E-05	2.97E-05	1.70E-04	2.03E-05	2.70E-05	8.90E-05	6.14E-06
7838	470355.08	3819679.06	3.21E-04	1.35E-03	1.21E-04	2.68E-04	9.91E-04	8.72E-05	3.03E-05	1.74E-04	2.07E-05	2.76E-05	9.09E-05	6.27E-06
7839	470346.25	3819682.59	3.28E-04	1.38E-03	1.24E-04	2.73E-04	1.01E-03	8.90E-05	3.10E-05	1.77E-04	2.11E-05	2.81E-05	9.28E-05	6.40E-06
7840	470337.43	3819686.11	3.35E-04	1.41E-03	1.27E-04	2.79E-04	1.03E-03	9.08E-05	3.16E-05	1.81E-04	2.16E-05	2.87E-05	9.47E-05	6.53E-06
7841	470328.6	3819689.64	3.41E-04	1.43E-03	1.29E-04	2.84E-04	1.05E-03	9.26E-05	3.22E-05	1.84E-04	2.20E-05	2.93E-05	9.66E-05	6.66E-06
7842	470319.77	3819693.17	3.48E-04	1.46E-03	1.32E-04	2.90E-04	1.07E-03	9.44E-05	3.28E-05	1.88E-04	2.24E-05	2.99E-05	9.84E-05	6.79E-06
7843	470310.94	3819696.7	3.54E-04	1.49E-03	1.34E-04	2.95E-04	1.09E-03	9.62E-05	3.35E-05	1.92E-04	2.29E-05	3.04E-05	1.00E-04	6.91E-06
7844	470302.11	3819700.22	3.61E-04	1.51E-03	1.36E-04	3.00E-04	1.11E-03	9.79E-05	3.41E-05	1.95E-04	2.33E-05	3.10E-05	1.02E-04	7.04E-06
7845	470540.93	3819496.23	2.81E-04	1.18E-03	1.06E-04	2.34E-04	8.68E-04	7.64E-05	2.66E-05	1.52E-04	1.81E-05	2.41E-05	7.96E-05	5.49E-06
7846	470537.26	3819504.83	2.81E-04	1.18E-03	1.06E-04	2.34E-04	8.66E-04	7.62E-05	2.65E-05	1.52E-04	1.81E-05	2.41E-05	7.95E-05	5.48E-06
7847	470533.6	3819513.43	2.80E-04	1.18E-03	1.06E-04	2.33E-04	8.63E-04	7.60E-05	2.64E-05	1.51E-04	1.80E-05	2.40E-05	7.92E-05	5.46E-06
7848	470529.94	3819522.03	2.78E-04	1.17E-03	1.05E-04	2.32E-04	8.59E-04	7.56E-05	2.63E-05	1.51E-04	1.80E-05	2.39E-05	7.88E-05	5.43E-06
7849	470526.28	3819530.63	2.77E-04	1.16E-03	1.05E-04	2.30E-04	8.53E-04	7.51E-05	2.61E-05	1.50E-04	1.78E-05	2.37E-05	7.83E-05	5.40E-06
7850	470522.61	3819539.23	2.74E-04	1.15E-03	1.04E-04	2.29E-04	8.47E-04	7.45E-05	2.59E-05	1.48E-04	1.77E-05	2.36E-05	7.77E-05	5.35E-06

7851	470518.95	3819547.83	2.72E-04	1.14E-03	1.03E-04	2.26E-04	8.39E-04	7.38E-05	2.57E-05	1.47E-04	1.75E-05	2.33E-05	7.69E-05	5.30E-06
7852	470515.29	3819556.43	2.69E-04	1.13E-03	1.02E-04	2.24E-04	8.30E-04	7.30E-05	2.54E-05	1.45E-04	1.74E-05	2.31E-05	7.61E-05	5.25E-06
7853	470511.63	3819565.03	2.66E-04	1.12E-03	1.01E-04	2.21E-04	8.20E-04	7.22E-05	2.51E-05	1.44E-04	1.71E-05	2.28E-05	7.53E-05	5.19E-06
7854	470507.96	3819573.63	2.63E-04	1.10E-03	9.93E-05	2.19E-04	8.10E-04	7.13E-05	2.48E-05	1.42E-04	1.69E-05	2.25E-05	7.43E-05	5.12E-06
7855	470504.3	3819582.23	2.59E-04	1.09E-03	9.79E-05	2.16E-04	7.99E-04	7.03E-05	2.45E-05	1.40E-04	1.67E-05	2.22E-05	7.33E-05	5.05E-06
7856	470500.64	3819590.83	2.55E-04	1.07E-03	9.65E-05	2.13E-04	7.88E-04	6.93E-05	2.41E-05	1.38E-04	1.65E-05	2.19E-05	7.23E-05	4.98E-06
7857	470496.98	3819599.43	2.51E-04	1.06E-03	9.51E-05	2.09E-04	7.76E-04	6.83E-05	2.37E-05	1.36E-04	1.62E-05	2.16E-05	7.12E-05	4.91E-06
7858	470493.31	3819608.03	2.48E-04	1.04E-03	9.36E-05	2.06E-04	7.64E-04	6.72E-05	2.34E-05	1.34E-04	1.60E-05	2.13E-05	7.01E-05	4.83E-06
7859	470489.65	3819616.63	2.44E-04	1.02E-03	9.21E-05	2.03E-04	7.52E-04	6.61E-05	2.30E-05	1.32E-04	1.57E-05	2.09E-05	6.89E-05	4.75E-06
7860	470485.99	3819625.23	2.39E-04	1.01E-03	9.06E-05	1.99E-04	7.39E-04	6.50E-05	2.26E-05	1.29E-04	1.54E-05	2.06E-05	6.78E-05	4.67E-06
7861	470482.33	3819633.83	2.35E-04	9.89E-04	8.90E-05	1.96E-04	7.27E-04	6.39E-05	2.22E-05	1.27E-04	1.52E-05	2.02E-05	6.66E-05	4.59E-06
7862	470478.66	3819642.43	2.31E-04	9.72E-04	8.75E-05	1.93E-04	7.14E-04	6.28E-05	2.19E-05	1.25E-04	1.49E-05	1.99E-05	6.55E-05	4.52E-06
7863	470466.32	3819654.5	2.31E-04	9.72E-04	8.75E-05	1.93E-04	7.14E-04	6.28E-05	2.19E-05	1.25E-04	1.49E-05	1.99E-05	6.55E-05	4.52E-06
7864	470457.64	3819657.97	2.36E-04	9.90E-04	8.91E-05	1.96E-04	7.27E-04	6.40E-05	2.23E-05	1.27E-04	1.52E-05	2.02E-05	6.67E-05	4.60E-06
7865	470448.96	3819661.44	2.40E-04	1.01E-03	9.08E-05	2.00E-04	7.41E-04	6.52E-05	2.27E-05	1.30E-04	1.55E-05	2.06E-05	6.79E-05	4.68E-06
7866	470440.28	3819664.91	2.45E-04	1.03E-03	9.25E-05	2.04E-04	7.55E-04	6.64E-05	2.31E-05	1.32E-04	1.58E-05	2.10E-05	6.92E-05	4.77E-06
7867	470431.6	3819668.38	2.49E-04	1.05E-03	9.42E-05	2.07E-04	7.69E-04	6.76E-05	2.35E-05	1.35E-04	1.61E-05	2.14E-05	7.05E-05	4.86E-06
7868	470422.92	3819671.84	2.54E-04	1.07E-03	9.60E-05	2.11E-04	7.83E-04	6.89E-05	2.40E-05	1.37E-04	1.64E-05	2.18E-05	7.18E-05	4.95E-06
7869	470414.24	3819675.31	2.59E-04	1.09E-03	9.78E-05	2.15E-04	7.98E-04	7.02E-05	2.44E-05	1.40E-04	1.67E-05	2.22E-05	7.32E-05	5.05E-06
7870	470405.56	3819678.78	2.64E-04	1.11E-03	9.97E-05	2.20E-04	8.14E-04	7.16E-05	2.49E-05	1.43E-04	1.70E-05	2.26E-05	7.46E-05	5.15E-06
7871	470396.88	3819682.25	2.69E-04	1.13E-03	1.02E-04	2.24E-04	8.30E-04	7.30E-05	2.54E-05	1.45E-04	1.73E-05	2.31E-05	7.61E-05	5.25E-06
7872	470388.2	3819685.72	2.74E-04	1.15E-03	1.04E-04	2.28E-04	8.46E-04	7.45E-05	2.59E-05	1.48E-04	1.77E-05	2.35E-05	7.76E-05	5.35E-06
7873	470379.52	3819689.18	2.80E-04	1.18E-03	1.06E-04	2.33E-04	8.63E-04	7.60E-05	2.64E-05	1.51E-04	1.80E-05	2.40E-05	7.92E-05	5.46E-06
7874	470370.84	3819692.65	2.85E-04	1.20E-03	1.08E-04	2.38E-04	8.81E-04	7.75E-05	2.70E-05	1.54E-04	1.84E-05	2.45E-05	8.08E-05	5.57E-06
7875	470362.16	3819696.12	2.91E-04	1.22E-03	1.10E-04	2.43E-04	8.99E-04	7.90E-05	2.75E-05	1.57E-04	1.88E-05	2.50E-05	8.24E-05	5.68E-06
7876	470353.48	3819699.59	2.97E-04	1.25E-03	1.12E-04	2.47E-04	9.16E-04	8.06E-05	2.80E-05	1.61E-04	1.92E-05	2.55E-05	8.41E-05	5.79E-06
7877	470344.8	3819703.06	3.03E-04	1.27E-03	1.14E-04	2.52E-04	9.34E-04	8.22E-05	2.86E-05	1.64E-04	1.95E-05	2.60E-05	8.57E-05	5.91E-06
7878	470336.11	3819706.53	3.09E-04	1.30E-03	1.17E-04	2.57E-04	9.52E-04	8.38E-05	2.91E-05	1.67E-04	1.99E-05	2.65E-05	8.73E-05	6.02E-06
7879	470327.43	3819709.99	3.14E-04	1.32E-03	1.19E-04	2.62E-04	9.70E-04	8.53E-05	2.97E-05	1.70E-04	2.03E-05	2.70E-05	8.89E-05	6.13E-06
7880	470318.75	3819713.46	3.20E-04	1.34E-03	1.21E-04	2.66E-04	9.87E-04	8.68E-05	3.02E-05	1.73E-04	2.06E-05	2.74E-05	9.05E-05	6.24E-06
7881	470310.07	3819716.93	3.25E-04	1.37E-03	1.23E-04	2.71E-04	1.00E-03	8.83E-05	3.07E-05	1.76E-04	2.10E-05	2.79E-05	9.21E-05	6.35E-06
7882	470301.39	3819720.4	3.31E-04	1.39E-03	1.25E-04	2.75E-04	1.02E-03	8.97E-05	3.12E-05	1.79E-04	2.13E-05	2.84E-05	9.36E-05	6.45E-06
7883	470560.98	3819250.62	1.92E-04	8.08E-04	7.28E-05	1.60E-04	5.94E-04	5.22E-05	1.82E-05	1.04E-04	1.24E-05	1.65E-05	5.45E-05	3.75E-06
7884	470561.06	3819240.97	1.83E-04	7.70E-04	6.93E-05	1.53E-04	5.66E-04	4.98E-05	1.73E-05	9.91E-05	1.18E-05	1.57E-05	5.19E-05	3.58E-06
7885	470549.15	3819524.05	2.53E-04	1.06E-03	9.58E-05	2.11E-04	7.81E-04	6.87E-05	2.39E-05	1.37E-04	1.63E-05	2.17E-05	7.17E-05	4.94E-06
7886	470545.39	3819532.88	2.52E-04	1.06E-03	9.53E-05	2.10E-04	7.77E-04	6.84E-05	2.38E-05	1.36E-04	1.62E-05	2.16E-05	7.13E-05	4.92E-06
7887	470541.63	3819541.71	2.50E-04	1.05E-03	9.46E-05	2.08E-04	7.72E-04	6.79E-05	2.36E-05	1.35E-04	1.61E-05	2.15E-05	7.08E-05	4.88E-06
7888	470537.87	3819550.54	2.48E-04	1.04E-03	9.38E-05	2.07E-04	7.66E-04	6.74E-05	2.34E-05	1.34E-04	1.60E-05	2.13E-05	7.02E-05	4.84E-06
7889	470534.11	3819559.37	2.46E-04	1.03E-03	9.30E-05	2.05E-04	7.59E-04	6.67E-05	2.32E-05	1.33E-04	1.59E-05	2.11E-05	6.96E-05	4.80E-06
7890	470530.35	3819568.2	2.43E-04	1.02E-03	9.20E-05	2.03E-04	7.51E-04	6.60E-05	2.30E-05	1.31E-04	1.57E-05	2.09E-05	6.89E-05	4.75E-06
7891	470526.59	3819577.03	2.40E-04	1.01E-03	9.09E-05	2.00E-04	7.42E-04	6.53E-05	2.27E-05	1.30E-04	1.55E-05	2.06E-05	6.81E-05	4.69E-06
7892	470522.83	3819585.86	2.37E-04	9.97E-04	8.98E-05	1.98E-04	7.33E-04	6.45E-05	2.24E-05	1.28E-04	1.53E-05	2.04E-05	6.72E-05	4.63E-06

7893	470519.07	3819594.69	2.34E-04	9.84E-04	8.86E-05	1.95E-04	7.23E-04	6.36E-05	2.21E-05	1.27E-04	1.51E-05	2.01E-05	6.63E-05	4.57E-06
7894	470515.31	3819603.52	2.31E-04	9.70E-04	8.74E-05	1.92E-04	7.13E-04	6.27E-05	2.18E-05	1.25E-04	1.49E-05	1.98E-05	6.54E-05	4.51E-06
7895	470511.55	3819612.35	2.28E-04	9.56E-04	8.61E-05	1.90E-04	7.02E-04	6.18E-05	2.15E-05	1.23E-04	1.47E-05	1.95E-05	6.44E-05	4.44E-06
7896	470507.79	3819621.18	2.24E-04	9.41E-04	8.48E-05	1.87E-04	6.92E-04	6.09E-05	2.12E-05	1.21E-04	1.45E-05	1.92E-05	6.35E-05	4.37E-06
7897	470504.03	3819630.01	2.21E-04	9.27E-04	8.34E-05	1.84E-04	6.81E-04	5.99E-05	2.08E-05	1.19E-04	1.42E-05	1.89E-05	6.25E-05	4.31E-06
7898	470500.26	3819638.84	2.17E-04	9.12E-04	8.21E-05	1.81E-04	6.70E-04	5.89E-05	2.05E-05	1.17E-04	1.40E-05	1.86E-05	6.14E-05	4.24E-06
7899	470496.5	3819647.67	2.13E-04	8.96E-04	8.07E-05	1.78E-04	6.59E-04	5.79E-05	2.02E-05	1.15E-04	1.38E-05	1.83E-05	6.04E-05	4.17E-06
7900	470492.74	3819656.5	2.10E-04	8.81E-04	7.93E-05	1.75E-04	6.47E-04	5.69E-05	1.98E-05	1.13E-04	1.35E-05	1.80E-05	5.94E-05	4.09E-06
7901	470480.07	3819668.9	2.10E-04	8.81E-04	7.93E-05	1.75E-04	6.47E-04	5.69E-05	1.98E-05	1.13E-04	1.35E-05	1.80E-05	5.94E-05	4.09E-06
7902	470471.16	3819672.46	2.13E-04	8.96E-04	8.07E-05	1.78E-04	6.58E-04	5.79E-05	2.01E-05	1.15E-04	1.38E-05	1.83E-05	6.04E-05	4.16E-06
7903	470462.24	3819676.02	2.17E-04	9.12E-04	8.22E-05	1.81E-04	6.70E-04	5.90E-05	2.05E-05	1.17E-04	1.40E-05	1.87E-05	6.15E-05	4.24E-06
7904	470453.33	3819679.58	2.21E-04	9.29E-04	8.37E-05	1.84E-04	6.83E-04	6.01E-05	2.09E-05	1.20E-04	1.43E-05	1.90E-05	6.26E-05	4.32E-06
7905	470444.42	3819683.14	2.25E-04	9.47E-04	8.53E-05	1.88E-04	6.96E-04	6.12E-05	2.13E-05	1.22E-04	1.45E-05	1.94E-05	6.38E-05	4.40E-06
7906	470435.51	3819686.7	2.30E-04	9.65E-04	8.69E-05	1.91E-04	7.09E-04	6.24E-05	2.17E-05	1.24E-04	1.48E-05	1.97E-05	6.50E-05	4.48E-06
7907	470426.59	3819690.26	2.34E-04	9.83E-04	8.85E-05	1.95E-04	7.22E-04	6.35E-05	2.21E-05	1.27E-04	1.51E-05	2.01E-05	6.62E-05	4.57E-06
7908	470417.68	3819693.82	2.38E-04	1.00E-03	9.02E-05	1.99E-04	7.36E-04	6.47E-05	2.25E-05	1.29E-04	1.54E-05	2.05E-05	6.75E-05	4.65E-06
7909	470408.77	3819697.38	2.43E-04	1.02E-03	9.19E-05	2.03E-04	7.50E-04	6.60E-05	2.30E-05	1.31E-04	1.57E-05	2.09E-05	6.88E-05	4.74E-06
7910	470399.85	3819700.95	2.48E-04	1.04E-03	9.38E-05	2.06E-04	7.65E-04	6.73E-05	2.34E-05	1.34E-04	1.60E-05	2.13E-05	7.02E-05	4.84E-06
7911	470390.94	3819704.51	2.53E-04	1.06E-03	9.56E-05	2.11E-04	7.80E-04	6.86E-05	2.39E-05	1.37E-04	1.63E-05	2.17E-05	7.16E-05	4.93E-06
7912	470382.03	3819708.07	2.58E-04	1.08E-03	9.75E-05	2.15E-04	7.96E-04	7.00E-05	2.44E-05	1.39E-04	1.66E-05	2.21E-05	7.30E-05	5.03E-06
7913	470373.12	3819711.63	2.63E-04	1.10E-03	9.95E-05	2.19E-04	8.12E-04	7.14E-05	2.48E-05	1.42E-04	1.70E-05	2.26E-05	7.45E-05	5.13E-06
7914	470364.2	3819715.19	2.68E-04	1.13E-03	1.01E-04	2.23E-04	8.28E-04	7.28E-05	2.53E-05	1.45E-04	1.73E-05	2.30E-05	7.59E-05	5.23E-06
7915	470355.29	3819718.75	2.74E-04	1.15E-03	1.03E-04	2.28E-04	8.44E-04	7.43E-05	2.58E-05	1.48E-04	1.76E-05	2.35E-05	7.74E-05	5.34E-06
7916	470346.38	3819722.31	2.79E-04	1.17E-03	1.05E-04	2.32E-04	8.60E-04	7.57E-05	2.63E-05	1.51E-04	1.80E-05	2.39E-05	7.89E-05	5.44E-06
7917	470337.46	3819725.87	2.84E-04	1.19E-03	1.07E-04	2.37E-04	8.76E-04	7.71E-05	2.68E-05	1.54E-04	1.83E-05	2.44E-05	8.04E-05	5.54E-06
7918	470328.55	3819729.43	2.89E-04	1.21E-03	1.09E-04	2.41E-04	8.92E-04	7.85E-05	2.73E-05	1.56E-04	1.86E-05	2.48E-05	8.18E-05	5.64E-06
7919	470319.64	3819733	2.94E-04	1.23E-03	1.11E-04	2.45E-04	9.07E-04	7.98E-05	2.78E-05	1.59E-04	1.90E-05	2.52E-05	8.32E-05	5.74E-06
7920	470310.73	3819736.56	2.99E-04	1.26E-03	1.13E-04	2.49E-04	9.22E-04	8.11E-05	2.82E-05	1.62E-04	1.93E-05	2.57E-05	8.46E-05	5.83E-06
7921	470301.81	3819740.12	3.04E-04	1.27E-03	1.15E-04	2.53E-04	9.37E-04	8.24E-05	2.87E-05	1.64E-04	1.96E-05	2.61E-05	8.59E-05	5.92E-06
7922	470580.4	3819318.33	2.25E-04	9.45E-04	8.51E-05	1.87E-04	6.94E-04	6.11E-05	2.12E-05	1.22E-04	1.45E-05	1.93E-05	6.37E-05	4.39E-06
7923	470580.48	3819308.68	2.19E-04	9.19E-04	8.28E-05	1.82E-04	6.76E-04	5.94E-05	2.07E-05	1.18E-04	1.41E-05	1.88E-05	6.20E-05	4.27E-06
7924	470580.56	3819299.03	2.12E-04	8.92E-04	8.03E-05	1.77E-04	6.55E-04	5.76E-05	2.01E-05	1.15E-04	1.37E-05	1.82E-05	6.01E-05	4.14E-06
7925	470580.65	3819289.38	2.05E-04	8.63E-04	7.77E-05	1.71E-04	6.34E-04	5.58E-05	1.94E-05	1.11E-04	1.32E-05	1.76E-05	5.81E-05	4.01E-06
7926	470580.73	3819279.73	1.98E-04	8.32E-04	7.49E-05	1.65E-04	6.11E-04	5.38E-05	1.87E-05	1.07E-04	1.28E-05	1.70E-05	5.61E-05	3.87E-06
7927	470580.81	3819270.09	1.91E-04	8.01E-04	7.21E-05	1.59E-04	5.88E-04	5.18E-05	1.80E-05	1.03E-04	1.23E-05	1.64E-05	5.40E-05	3.72E-06
7928	470580.89	3819260.44	1.83E-04	7.68E-04	6.92E-05	1.52E-04	5.65E-04	4.97E-05	1.73E-05	9.89E-05	1.18E-05	1.57E-05	5.18E-05	3.57E-06
7929	470580.98	3819250.79	1.75E-04	7.36E-04	6.62E-05	1.46E-04	5.40E-04	4.75E-05	1.65E-05	9.47E-05	1.13E-05	1.50E-05	4.96E-05	3.42E-06
7930	470581.06	3819241.14	1.67E-04	7.02E-04	6.33E-05	1.39E-04	5.16E-04	4.54E-05	1.58E-05	9.04E-05	1.08E-05	1.44E-05	4.74E-05	3.26E-06
7931	470557.13	3819599.57	2.00E-04	8.39E-04	7.56E-05	1.66E-04	6.17E-04	5.43E-05	1.89E-05	1.08E-04	1.29E-05	1.72E-05	5.66E-05	3.90E-06
7932	470553.48	3819608.15	1.98E-04	8.30E-04	7.48E-05	1.65E-04	6.10E-04	5.37E-05	1.87E-05	1.07E-04	1.28E-05	1.70E-05	5.60E-05	3.86E-06
7933	470549.83	3819616.73	1.95E-04	8.20E-04	7.39E-05	1.63E-04	6.03E-04	5.30E-05	1.85E-05	1.06E-04	1.26E-05	1.68E-05	5.53E-05	3.81E-06
7934	470546.17	3819625.31	1.93E-04	8.10E-04	7.30E-05	1.61E-04	5.96E-04	5.24E-05	1.82E-05	1.04E-04	1.24E-05	1.66E-05	5.46E-05	3.77E-06

7935	470542.52	3819633.89	1.91E-04	8.00E-04	7.21E-05	1.59E-04	5.88E-04	5.17E-05	1.80E-05	1.03E-04	1.23E-05	1.64E-05	5.39E-05	3.72E-06
7936	470538.87	3819642.47	1.88E-04	7.89E-04	7.11E-05	1.57E-04	5.80E-04	5.10E-05	1.78E-05	1.02E-04	1.21E-05	1.61E-05	5.32E-05	3.67E-06
7937	470535.21	3819651.04	1.85E-04	7.79E-04	7.01E-05	1.54E-04	5.72E-04	5.03E-05	1.75E-05	1.00E-04	1.20E-05	1.59E-05	5.25E-05	3.62E-06
7938	470531.56	3819659.62	1.83E-04	7.67E-04	6.91E-05	1.52E-04	5.64E-04	4.96E-05	1.73E-05	9.88E-05	1.18E-05	1.57E-05	5.17E-05	3.57E-06
7939	470527.91	3819668.2	1.80E-04	7.56E-04	6.81E-05	1.50E-04	5.55E-04	4.89E-05	1.70E-05	9.73E-05	1.16E-05	1.55E-05	5.09E-05	3.51E-06
7940	470524.25	3819676.78	1.77E-04	7.44E-04	6.70E-05	1.48E-04	5.47E-04	4.81E-05	1.67E-05	9.58E-05	1.14E-05	1.52E-05	5.02E-05	3.46E-06
7941	470520.6	3819685.36	1.75E-04	7.33E-04	6.60E-05	1.45E-04	5.39E-04	4.74E-05	1.65E-05	9.44E-05	1.13E-05	1.50E-05	4.94E-05	3.41E-06
7942	470508.29	3819697.39	1.75E-04	7.34E-04	6.61E-05	1.46E-04	5.39E-04	4.74E-05	1.65E-05	9.44E-05	1.13E-05	1.50E-05	4.94E-05	3.41E-06
7943	470499.63	3819700.85	1.77E-04	7.45E-04	6.71E-05	1.48E-04	5.47E-04	4.82E-05	1.68E-05	9.59E-05	1.14E-05	1.52E-05	5.02E-05	3.46E-06
7944	470490.97	3819704.31	1.80E-04	7.57E-04	6.81E-05	1.50E-04	5.56E-04	4.89E-05	1.70E-05	9.74E-05	1.16E-05	1.55E-05	5.10E-05	3.52E-06
7945	470482.31	3819707.77	1.83E-04	7.69E-04	6.92E-05	1.52E-04	5.65E-04	4.97E-05	1.73E-05	9.90E-05	1.18E-05	1.57E-05	5.18E-05	3.57E-06
7946	470473.66	3819711.23	1.86E-04	7.81E-04	7.03E-05	1.55E-04	5.74E-04	5.05E-05	1.76E-05	1.01E-04	1.20E-05	1.60E-05	5.27E-05	3.63E-06
7947	470465	3819714.69	1.89E-04	7.94E-04	7.15E-05	1.58E-04	5.84E-04	5.13E-05	1.79E-05	1.02E-04	1.22E-05	1.62E-05	5.35E-05	3.69E-06
7948	470456.34	3819718.15	1.92E-04	8.08E-04	7.27E-05	1.60E-04	5.94E-04	5.22E-05	1.82E-05	1.04E-04	1.24E-05	1.65E-05	5.44E-05	3.75E-06
7949	470447.68	3819721.61	1.96E-04	8.22E-04	7.40E-05	1.63E-04	6.04E-04	5.31E-05	1.85E-05	1.06E-04	1.26E-05	1.68E-05	5.54E-05	3.82E-06
7950	470439.02	3819725.07	1.99E-04	8.36E-04	7.53E-05	1.66E-04	6.14E-04	5.40E-05	1.88E-05	1.08E-04	1.28E-05	1.71E-05	5.63E-05	3.88E-06
7951	470430.36	3819728.53	2.03E-04	8.50E-04	7.66E-05	1.69E-04	6.25E-04	5.50E-05	1.91E-05	1.09E-04	1.31E-05	1.74E-05	5.73E-05	3.95E-06
7952	470421.71	3819731.99	2.06E-04	8.66E-04	7.79E-05	1.72E-04	6.36E-04	5.60E-05	1.95E-05	1.11E-04	1.33E-05	1.77E-05	5.83E-05	4.02E-06
7953	470413.05	3819735.45	2.10E-04	8.81E-04	7.94E-05	1.75E-04	6.47E-04	5.70E-05	1.98E-05	1.13E-04	1.35E-05	1.80E-05	5.94E-05	4.09E-06
7954	470404.39	3819738.91	2.14E-04	8.97E-04	8.08E-05	1.78E-04	6.59E-04	5.80E-05	2.02E-05	1.15E-04	1.38E-05	1.83E-05	6.05E-05	4.17E-06
7955	470395.73	3819742.37	2.18E-04	9.14E-04	8.23E-05	1.81E-04	6.71E-04	5.91E-05	2.05E-05	1.18E-04	1.40E-05	1.87E-05	6.16E-05	4.25E-06
7956	470387.07	3819745.83	2.22E-04	9.30E-04	8.38E-05	1.85E-04	6.84E-04	6.01E-05	2.09E-05	1.20E-04	1.43E-05	1.90E-05	6.27E-05	4.32E-06
7957	470378.42	3819749.28	2.26E-04	9.47E-04	8.53E-05	1.88E-04	6.96E-04	6.12E-05	2.13E-05	1.22E-04	1.46E-05	1.94E-05	6.39E-05	4.40E-06
7958	470369.76	3819752.74	2.30E-04	9.64E-04	8.69E-05	1.91E-04	7.09E-04	6.23E-05	2.17E-05	1.24E-04	1.48E-05	1.97E-05	6.50E-05	4.48E-06
7959	470361.1	3819756.2	2.34E-04	9.81E-04	8.84E-05	1.95E-04	7.21E-04	6.34E-05	2.21E-05	1.26E-04	1.51E-05	2.01E-05	6.62E-05	4.56E-06
7960	470352.44	3819759.66	2.38E-04	9.98E-04	8.99E-05	1.98E-04	7.34E-04	6.45E-05	2.24E-05	1.29E-04	1.53E-05	2.04E-05	6.73E-05	4.64E-06
7961	470343.78	3819763.12	2.42E-04	1.02E-03	9.14E-05	2.01E-04	7.46E-04	6.56E-05	2.28E-05	1.31E-04	1.56E-05	2.08E-05	6.84E-05	4.72E-06
7962	470335.12	3819766.58	2.46E-04	1.03E-03	9.30E-05	2.05E-04	7.58E-04	6.67E-05	2.32E-05	1.33E-04	1.59E-05	2.11E-05	6.96E-05	4.80E-06
7963	470326.47	3819770.04	2.50E-04	1.05E-03	9.44E-05	2.08E-04	7.70E-04	6.78E-05	2.36E-05	1.35E-04	1.61E-05	2.14E-05	7.07E-05	4.87E-06
7964	470317.81	3819773.5	2.53E-04	1.06E-03	9.57E-05	2.11E-04	7.81E-04	6.87E-05	2.39E-05	1.37E-04	1.63E-05	2.17E-05	7.17E-05	4.94E-06
7965	470309.15	3819776.96	2.56E-04	1.08E-03	9.70E-05	2.14E-04	7.91E-04	6.96E-05	2.42E-05	1.39E-04	1.65E-05	2.20E-05	7.26E-05	5.00E-06
7966	470300.49	3819780.42	2.60E-04	1.09E-03	9.81E-05	2.16E-04	8.01E-04	7.04E-05	2.45E-05	1.40E-04	1.67E-05	2.23E-05	7.35E-05	5.06E-06
7967	470619.24	3819453.75	2.05E-04	8.61E-04	7.75E-05	1.71E-04	6.33E-04	5.57E-05	1.94E-05	1.11E-04	1.32E-05	1.76E-05	5.80E-05	4.00E-06
7968	470619.32	3819444.1	2.06E-04	8.66E-04	7.80E-05	1.72E-04	6.36E-04	5.60E-05	1.95E-05	1.12E-04	1.33E-05	1.77E-05	5.84E-05	4.02E-06
7969	470619.4	3819434.45	2.07E-04	8.70E-04	7.83E-05	1.73E-04	6.39E-04	5.62E-05	1.96E-05	1.12E-04	1.34E-05	1.78E-05	5.86E-05	4.04E-06
7970	470619.49	3819424.8	2.08E-04	8.72E-04	7.85E-05	1.73E-04	6.41E-04	5.64E-05	1.96E-05	1.12E-04	1.34E-05	1.78E-05	5.88E-05	4.05E-06
7971	470619.57	3819415.15	2.08E-04	8.72E-04	7.86E-05	1.73E-04	6.41E-04	5.64E-05	1.96E-05	1.12E-04	1.34E-05	1.78E-05	5.88E-05	4.05E-06
7972	470619.65	3819405.5	2.07E-04	8.71E-04	7.84E-05	1.73E-04	6.40E-04	5.63E-05	1.96E-05	1.12E-04	1.34E-05	1.78E-05	5.87E-05	4.05E-06
7973	470619.73	3819395.86	2.07E-04	8.67E-04	7.81E-05	1.72E-04	6.37E-04	5.61E-05	1.95E-05	1.12E-04	1.33E-05	1.77E-05	5.85E-05	4.03E-06
7974	470619.82	3819386.21	2.05E-04	8.62E-04	7.76E-05	1.71E-04	6.34E-04	5.57E-05	1.94E-05	1.11E-04	1.32E-05	1.76E-05	5.81E-05	4.01E-06
7975	470619.9	3819376.56	2.04E-04	8.55E-04	7.70E-05	1.70E-04	6.28E-04	5.53E-05	1.92E-05	1.10E-04	1.31E-05	1.75E-05	5.76E-05	3.97E-06
7976	470619.98	3819366.91	2.01E-04	8.46E-04	7.62E-05	1.68E-04	6.22E-04	5.47E-05	1.90E-05	1.09E-04	1.30E-05	1.73E-05	5.70E-05	3.93E-06

7977	470620.06	3819357.26	1.99E-04	8.35E-04	7.52E-05	1.66E-04	6.14E-04	5.40E-05	1.88E-05	1.07E-04	1.28E-05	1.71E-05	5.63E-05	3.88E-06
7978	470620.15	3819347.62	1.96E-04	8.22E-04	7.40E-05	1.63E-04	6.04E-04	5.31E-05	1.85E-05	1.06E-04	1.26E-05	1.68E-05	5.54E-05	3.82E-06
7979	470620.23	3819337.97	1.92E-04	8.08E-04	7.27E-05	1.60E-04	5.93E-04	5.22E-05	1.82E-05	1.04E-04	1.24E-05	1.65E-05	5.44E-05	3.75E-06
7980	470620.31	3819328.32	1.88E-04	7.91E-04	7.13E-05	1.57E-04	5.82E-04	5.12E-05	1.78E-05	1.02E-04	1.22E-05	1.62E-05	5.33E-05	3.68E-06
7981	470655.55	3819462.75	1.73E-04	7.28E-04	6.55E-05	1.44E-04	5.35E-04	4.70E-05	1.64E-05	9.37E-05	1.12E-05	1.49E-05	4.90E-05	3.38E-06
7982	470651.86	3819471.41	1.75E-04	7.34E-04	6.61E-05	1.46E-04	5.40E-04	4.75E-05	1.65E-05	9.45E-05	1.13E-05	1.50E-05	4.95E-05	3.41E-06
7983	470648.17	3819480.07	1.76E-04	7.40E-04	6.66E-05	1.47E-04	5.44E-04	4.78E-05	1.66E-05	9.53E-05	1.14E-05	1.51E-05	4.99E-05	3.44E-06
7984	470644.48	3819488.73	1.77E-04	7.45E-04	6.71E-05	1.48E-04	5.47E-04	4.81E-05	1.67E-05	9.59E-05	1.14E-05	1.52E-05	5.02E-05	3.46E-06
7985	470640.8	3819497.39	1.78E-04	7.48E-04	6.74E-05	1.48E-04	5.50E-04	4.84E-05	1.68E-05	9.63E-05	1.15E-05	1.53E-05	5.04E-05	3.48E-06
7986	470637.11	3819506.05	1.79E-04	7.51E-04	6.76E-05	1.49E-04	5.52E-04	4.85E-05	1.69E-05	9.67E-05	1.15E-05	1.53E-05	5.06E-05	3.49E-06
7987	470633.42	3819514.71	1.79E-04	7.53E-04	6.78E-05	1.49E-04	5.53E-04	4.86E-05	1.69E-05	9.69E-05	1.16E-05	1.54E-05	5.07E-05	3.50E-06
7988	470567.04	3819670.58	1.58E-04	6.65E-04	5.99E-05	1.32E-04	4.88E-04	4.30E-05	1.49E-05	8.56E-05	1.02E-05	1.36E-05	4.48E-05	3.09E-06
7989	470563.35	3819679.24	1.56E-04	6.56E-04	5.91E-05	1.30E-04	4.82E-04	4.24E-05	1.48E-05	8.45E-05	1.01E-05	1.34E-05	4.42E-05	3.05E-06
7990	470559.66	3819687.9	1.54E-04	6.48E-04	5.83E-05	1.28E-04	4.76E-04	4.19E-05	1.46E-05	8.34E-05	9.95E-06	1.32E-05	4.36E-05	3.01E-06
7991	470555.98	3819696.56	1.52E-04	6.39E-04	5.75E-05	1.27E-04	4.69E-04	4.13E-05	1.44E-05	8.22E-05	9.81E-06	1.31E-05	4.31E-05	2.97E-06
7992	470552.29	3819705.22	1.50E-04	6.30E-04	5.67E-05	1.25E-04	4.63E-04	4.07E-05	1.42E-05	8.11E-05	9.68E-06	1.29E-05	4.25E-05	2.93E-06
7993	470548.6	3819713.88	1.48E-04	6.21E-04	5.60E-05	1.23E-04	4.57E-04	4.02E-05	1.40E-05	8.00E-05	9.55E-06	1.27E-05	4.19E-05	2.89E-06
7994	470536.17	3819726.03	1.48E-04	6.22E-04	5.60E-05	1.23E-04	4.57E-04	4.02E-05	1.40E-05	8.00E-05	9.55E-06	1.27E-05	4.19E-05	2.89E-06
7995	470527.43	3819729.52	1.50E-04	6.31E-04	5.68E-05	1.25E-04	4.63E-04	4.08E-05	1.42E-05	8.12E-05	9.69E-06	1.29E-05	4.25E-05	2.93E-06
7996	470518.69	3819733.01	1.52E-04	6.40E-04	5.76E-05	1.27E-04	4.70E-04	4.14E-05	1.44E-05	8.23E-05	9.83E-06	1.31E-05	4.31E-05	2.97E-06
7997	470509.95	3819736.5	1.55E-04	6.49E-04	5.84E-05	1.29E-04	4.77E-04	4.20E-05	1.46E-05	8.35E-05	9.97E-06	1.33E-05	4.37E-05	3.02E-06
7998	470501.21	3819740	1.57E-04	6.59E-04	5.93E-05	1.31E-04	4.84E-04	4.26E-05	1.48E-05	8.48E-05	1.01E-05	1.35E-05	4.44E-05	3.06E-06
7999	470492.47	3819743.49	1.59E-04	6.69E-04	6.02E-05	1.33E-04	4.91E-04	4.32E-05	1.50E-05	8.61E-05	1.03E-05	1.37E-05	4.51E-05	3.11E-06
8000	470483.73	3819746.98	1.62E-04	6.79E-04	6.12E-05	1.35E-04	4.99E-04	4.39E-05	1.53E-05	8.74E-05	1.04E-05	1.39E-05	4.58E-05	3.16E-06
8001	470474.99	3819750.47	1.64E-04	6.90E-04	6.21E-05	1.37E-04	5.07E-04	4.46E-05	1.55E-05	8.88E-05	1.06E-05	1.41E-05	4.65E-05	3.21E-06
8002	470466.25	3819753.97	1.67E-04	7.01E-04	6.31E-05	1.39E-04	5.15E-04	4.53E-05	1.58E-05	9.02E-05	1.08E-05	1.43E-05	4.73E-05	3.26E-06
8003	470457.51	3819757.46	1.70E-04	7.12E-04	6.42E-05	1.41E-04	5.24E-04	4.61E-05	1.60E-05	9.17E-05	1.09E-05	1.46E-05	4.80E-05	3.31E-06
8004	470448.77	3819760.95	1.72E-04	7.24E-04	6.52E-05	1.44E-04	5.32E-04	4.68E-05	1.63E-05	9.32E-05	1.11E-05	1.48E-05	4.88E-05	3.37E-06
8005	470440.03	3819764.44	1.75E-04	7.36E-04	6.63E-05	1.46E-04	5.41E-04	4.76E-05	1.66E-05	9.48E-05	1.13E-05	1.51E-05	4.96E-05	3.42E-06
8006	470431.29	3819767.93	1.78E-04	7.49E-04	6.75E-05	1.49E-04	5.50E-04	4.84E-05	1.68E-05	9.64E-05	1.15E-05	1.53E-05	5.05E-05	3.48E-06
8007	470422.55	3819771.43	1.81E-04	7.62E-04	6.86E-05	1.51E-04	5.60E-04	4.93E-05	1.71E-05	9.81E-05	1.17E-05	1.56E-05	5.14E-05	3.54E-06
8008	470413.81	3819774.92	1.85E-04	7.75E-04	6.98E-05	1.54E-04	5.70E-04	5.01E-05	1.74E-05	9.98E-05	1.19E-05	1.59E-05	5.23E-05	3.60E-06
8009	470405.07	3819778.41	1.88E-04	7.89E-04	7.11E-05	1.57E-04	5.80E-04	5.10E-05	1.77E-05	1.02E-04	1.21E-05	1.61E-05	5.32E-05	3.67E-06
8010	470396.33	3819781.9	1.91E-04	8.03E-04	7.23E-05	1.59E-04	5.90E-04	5.19E-05	1.81E-05	1.03E-04	1.23E-05	1.64E-05	5.41E-05	3.73E-06
8011	470387.59	3819785.39	1.95E-04	8.17E-04	7.36E-05	1.62E-04	6.00E-04	5.28E-05	1.84E-05	1.05E-04	1.25E-05	1.67E-05	5.51E-05	3.80E-06
8012	470378.84	3819788.89	1.98E-04	8.31E-04	7.48E-05	1.65E-04	6.11E-04	5.37E-05	1.87E-05	1.07E-04	1.28E-05	1.70E-05	5.60E-05	3.86E-06
8013	470370.1	3819792.38	2.01E-04	8.45E-04	7.61E-05	1.68E-04	6.21E-04	5.46E-05	1.90E-05	1.09E-04	1.30E-05	1.73E-05	5.70E-05	3.93E-06
8014	470361.36	3819795.87	2.05E-04	8.59E-04	7.74E-05	1.70E-04	6.32E-04	5.56E-05	1.93E-05	1.11E-04	1.32E-05	1.76E-05	5.79E-05	3.99E-06
8015	470352.62	3819799.36	2.08E-04	8.73E-04	7.86E-05	1.73E-04	6.42E-04	5.64E-05	1.96E-05	1.12E-04	1.34E-05	1.79E-05	5.89E-05	4.06E-06
8016	470343.88	3819802.86	2.11E-04	8.86E-04	7.98E-05	1.76E-04	6.51E-04	5.73E-05	1.99E-05	1.14E-04	1.36E-05	1.81E-05	5.97E-05	4.12E-06
8017	470335.14	3819806.35	2.14E-04	8.98E-04	8.09E-05	1.78E-04	6.60E-04	5.81E-05	2.02E-05	1.16E-04	1.38E-05	1.84E-05	6.05E-05	4.17E-06
8018	470326.4	3819809.84	2.17E-04	9.10E-04	8.20E-05	1.81E-04	6.69E-04	5.88E-05	2.05E-05	1.17E-04	1.40E-05	1.86E-05	6.13E-05	4.23E-06

8019	470317.66	3819813.33	2.19E-04	9.21E-04	8.30E-05	1.83E-04	6.77E-04	5.96E-05	2.07E-05	1.19E-04	1.42E-05	1.88E-05	6.21E-05	4.28E-06
8020	470308.92	3819816.82	2.22E-04	9.32E-04	8.40E-05	1.85E-04	6.85E-04	6.03E-05	2.10E-05	1.20E-04	1.43E-05	1.91E-05	6.28E-05	4.33E-06
8021	470300.18	3819820.32	2.24E-04	9.42E-04	8.49E-05	1.87E-04	6.92E-04	6.09E-05	2.12E-05	1.21E-04	1.45E-05	1.93E-05	6.35E-05	4.38E-06
8022	470659.24	3819454.09	1.71E-04	7.20E-04	6.48E-05	1.43E-04	5.29E-04	4.65E-05	1.62E-05	9.27E-05	1.11E-05	1.47E-05	4.85E-05	3.35E-06
8023	470659.32	3819444.44	1.72E-04	7.23E-04	6.51E-05	1.43E-04	5.31E-04	4.67E-05	1.63E-05	9.31E-05	1.11E-05	1.48E-05	4.87E-05	3.36E-06
8024	470659.4	3819434.79	1.73E-04	7.25E-04	6.53E-05	1.44E-04	5.33E-04	4.68E-05	1.63E-05	9.33E-05	1.11E-05	1.48E-05	4.89E-05	3.37E-06
8025	470659.48	3819425.14	1.73E-04	7.25E-04	6.53E-05	1.44E-04	5.33E-04	4.69E-05	1.63E-05	9.34E-05	1.11E-05	1.48E-05	4.89E-05	3.37E-06
8026	470659.57	3819415.5	1.73E-04	7.25E-04	6.53E-05	1.44E-04	5.32E-04	4.68E-05	1.63E-05	9.33E-05	1.11E-05	1.48E-05	4.88E-05	3.37E-06
8027	470659.65	3819405.85	1.72E-04	7.23E-04	6.51E-05	1.43E-04	5.31E-04	4.67E-05	1.62E-05	9.30E-05	1.11E-05	1.48E-05	4.87E-05	3.36E-06
8028	470660.31	3819328.66	1.57E-04	6.58E-04	5.93E-05	1.31E-04	4.84E-04	4.26E-05	1.48E-05	8.48E-05	1.01E-05	1.35E-05	4.44E-05	3.06E-06
8029	470660.39	3819319.01	1.54E-04	6.45E-04	5.81E-05	1.28E-04	4.74E-04	4.17E-05	1.45E-05	8.30E-05	9.90E-06	1.32E-05	4.35E-05	3.00E-06
8030	470660.48	3819309.37	1.50E-04	6.30E-04	5.67E-05	1.25E-04	4.63E-04	4.07E-05	1.42E-05	8.11E-05	9.68E-06	1.29E-05	4.25E-05	2.93E-06
8031	470660.56	3819299.72	1.46E-04	6.14E-04	5.53E-05	1.22E-04	4.51E-04	3.97E-05	1.38E-05	7.91E-05	9.44E-06	1.26E-05	4.14E-05	2.85E-06
8032	470660.64	3819290.07	1.42E-04	5.98E-04	5.38E-05	1.19E-04	4.39E-04	3.86E-05	1.34E-05	7.69E-05	9.18E-06	1.22E-05	4.03E-05	2.78E-06
8033	470660.73	3819280.42	1.38E-04	5.80E-04	5.23E-05	1.15E-04	4.26E-04	3.75E-05	1.30E-05	7.47E-05	8.91E-06	1.19E-05	3.91E-05	2.70E-06
8034	470660.81	3819270.77	1.34E-04	5.62E-04	5.06E-05	1.12E-04	4.13E-04	3.64E-05	1.26E-05	7.24E-05	8.64E-06	1.15E-05	3.79E-05	2.61E-06
8035	470660.89	3819261.12	1.29E-04	5.44E-04	4.90E-05	1.08E-04	4.00E-04	3.52E-05	1.22E-05	7.00E-05	8.35E-06	1.11E-05	3.67E-05	2.53E-06
8036	470660.97	3819251.48	1.25E-04	5.25E-04	4.73E-05	1.04E-04	3.86E-04	3.39E-05	1.18E-05	6.76E-05	8.06E-06	1.07E-05	3.54E-05	2.44E-06
8037	470661.06	3819241.83	1.20E-04	5.06E-04	4.55E-05	1.00E-04	3.71E-04	3.27E-05	1.14E-05	6.51E-05	7.76E-06	1.03E-05	3.41E-05	2.35E-06
8038	470695.52	3819463.16	1.47E-04	6.17E-04	5.55E-05	1.22E-04	4.53E-04	3.99E-05	1.39E-05	7.94E-05	9.47E-06	1.26E-05	4.16E-05	2.87E-06
8039	470691.8	3819471.88	1.48E-04	6.23E-04	5.61E-05	1.24E-04	4.58E-04	4.03E-05	1.40E-05	8.02E-05	9.57E-06	1.27E-05	4.20E-05	2.89E-06
8040	470688.09	3819480.61	1.50E-04	6.28E-04	5.66E-05	1.25E-04	4.62E-04	4.06E-05	1.41E-05	8.09E-05	9.65E-06	1.28E-05	4.23E-05	2.92E-06
8041	470684.37	3819489.34	1.51E-04	6.33E-04	5.70E-05	1.26E-04	4.65E-04	4.09E-05	1.42E-05	8.15E-05	9.72E-06	1.29E-05	4.27E-05	2.94E-06
8042	470680.65	3819498.06	1.52E-04	6.37E-04	5.73E-05	1.26E-04	4.68E-04	4.12E-05	1.43E-05	8.20E-05	9.78E-06	1.30E-05	4.29E-05	2.96E-06
8043	470676.94	3819506.79	1.52E-04	6.40E-04	5.76E-05	1.27E-04	4.70E-04	4.14E-05	1.44E-05	8.24E-05	9.83E-06	1.31E-05	4.31E-05	2.97E-06
8044	470673.22	3819515.52	1.53E-04	6.42E-04	5.78E-05	1.27E-04	4.72E-04	4.15E-05	1.44E-05	8.27E-05	9.86E-06	1.31E-05	4.33E-05	2.98E-06
8045	470669.5	3819524.24	1.53E-04	6.44E-04	5.80E-05	1.28E-04	4.73E-04	4.16E-05	1.45E-05	8.29E-05	9.89E-06	1.32E-05	4.34E-05	2.99E-06
8046	470665.79	3819532.97	1.54E-04	6.45E-04	5.81E-05	1.28E-04	4.74E-04	4.17E-05	1.45E-05	8.30E-05	9.90E-06	1.32E-05	4.35E-05	3.00E-06
8047	470662.07	3819541.7	1.54E-04	6.45E-04	5.81E-05	1.28E-04	4.74E-04	4.17E-05	1.45E-05	8.30E-05	9.91E-06	1.32E-05	4.35E-05	3.00E-06
8048	470658.35	3819550.42	1.54E-04	6.45E-04	5.81E-05	1.28E-04	4.74E-04	4.17E-05	1.45E-05	8.30E-05	9.90E-06	1.32E-05	4.35E-05	3.00E-06
8049	470654.64	3819559.15	1.53E-04	6.44E-04	5.80E-05	1.28E-04	4.73E-04	4.16E-05	1.45E-05	8.28E-05	9.88E-06	1.32E-05	4.34E-05	2.99E-06
8050	470650.92	3819567.88	1.53E-04	6.42E-04	5.78E-05	1.27E-04	4.72E-04	4.15E-05	1.44E-05	8.26E-05	9.86E-06	1.31E-05	4.33E-05	2.98E-06
8051	470555.26	3819758.17	1.29E-04	5.41E-04	4.87E-05	1.07E-04	3.98E-04	3.50E-05	1.22E-05	6.97E-05	8.31E-06	1.11E-05	3.65E-05	2.51E-06
8052	470546.45	3819761.69	1.31E-04	5.48E-04	4.94E-05	1.09E-04	4.03E-04	3.54E-05	1.23E-05	7.06E-05	8.42E-06	1.12E-05	3.70E-05	2.55E-06
8053	470537.64	3819765.21	1.32E-04	5.56E-04	5.00E-05	1.10E-04	4.08E-04	3.59E-05	1.25E-05	7.15E-05	8.53E-06	1.14E-05	3.75E-05	2.58E-06
8054	470528.84	3819768.73	1.34E-04	5.63E-04	5.07E-05	1.12E-04	4.14E-04	3.64E-05	1.27E-05	7.25E-05	8.65E-06	1.15E-05	3.80E-05	2.62E-06
8055	470520.03	3819772.25	1.36E-04	5.71E-04	5.15E-05	1.13E-04	4.20E-04	3.69E-05	1.28E-05	7.35E-05	8.78E-06	1.17E-05	3.85E-05	2.65E-06
8056	470511.22	3819775.77	1.38E-04	5.80E-04	5.22E-05	1.15E-04	4.26E-04	3.75E-05	1.30E-05	7.46E-05	8.90E-06	1.18E-05	3.91E-05	2.69E-06
8057	470502.41	3819779.29	1.40E-04	5.88E-04	5.30E-05	1.17E-04	4.32E-04	3.80E-05	1.32E-05	7.57E-05	9.03E-06	1.20E-05	3.96E-05	2.73E-06
8058	470493.6	3819782.81	1.42E-04	5.97E-04	5.37E-05	1.18E-04	4.38E-04	3.86E-05	1.34E-05	7.68E-05	9.16E-06	1.22E-05	4.02E-05	2.77E-06
8059	470484.8	3819786.33	1.44E-04	6.06E-04	5.45E-05	1.20E-04	4.45E-04	3.91E-05	1.36E-05	7.80E-05	9.30E-06	1.24E-05	4.08E-05	2.81E-06
8060	470475.99	3819789.85	1.46E-04	6.15E-04	5.54E-05	1.22E-04	4.52E-04	3.98E-05	1.38E-05	7.92E-05	9.45E-06	1.26E-05	4.14E-05	2.86E-06

8061	470467.18	3819793.37	1.49E-04	6.25E-04	5.63E-05	1.24E-04	4.59E-04	4.04E-05	1.40E-05	8.04E-05	9.59E-06	1.28E-05	4.21E-05	2.90E-06
8062	470458.37	3819796.89	1.51E-04	6.35E-04	5.72E-05	1.26E-04	4.66E-04	4.10E-05	1.43E-05	8.17E-05	9.75E-06	1.30E-05	4.28E-05	2.95E-06
8063	470449.56	3819800.41	1.54E-04	6.45E-04	5.81E-05	1.28E-04	4.74E-04	4.17E-05	1.45E-05	8.30E-05	9.91E-06	1.32E-05	4.35E-05	3.00E-06
8064	470440.76	3819803.92	1.56E-04	6.56E-04	5.91E-05	1.30E-04	4.82E-04	4.24E-05	1.47E-05	8.44E-05	1.01E-05	1.34E-05	4.42E-05	3.05E-06
8065	470431.95	3819807.44	1.59E-04	6.67E-04	6.01E-05	1.32E-04	4.90E-04	4.31E-05	1.50E-05	8.59E-05	1.02E-05	1.36E-05	4.50E-05	3.10E-06
8066	470423.14	3819810.96	1.62E-04	6.78E-04	6.11E-05	1.35E-04	4.99E-04	4.39E-05	1.53E-05	8.73E-05	1.04E-05	1.39E-05	4.57E-05	3.15E-06
8067	470414.33	3819814.48	1.64E-04	6.90E-04	6.22E-05	1.37E-04	5.07E-04	4.46E-05	1.55E-05	8.88E-05	1.06E-05	1.41E-05	4.65E-05	3.21E-06
8068	470405.52	3819818	1.67E-04	7.02E-04	6.32E-05	1.39E-04	5.16E-04	4.54E-05	1.58E-05	9.04E-05	1.08E-05	1.44E-05	4.73E-05	3.26E-06
8069	470396.72	3819821.52	1.70E-04	7.14E-04	6.43E-05	1.42E-04	5.24E-04	4.61E-05	1.60E-05	9.19E-05	1.10E-05	1.46E-05	4.81E-05	3.32E-06
8070	470387.91	3819825.04	1.73E-04	7.25E-04	6.53E-05	1.44E-04	5.33E-04	4.69E-05	1.63E-05	9.34E-05	1.11E-05	1.48E-05	4.89E-05	3.37E-06
8071	470379.1	3819828.56	1.75E-04	7.37E-04	6.64E-05	1.46E-04	5.41E-04	4.76E-05	1.66E-05	9.49E-05	1.13E-05	1.51E-05	4.97E-05	3.42E-06
8072	470370.29	3819832.08	1.78E-04	7.48E-04	6.74E-05	1.48E-04	5.50E-04	4.83E-05	1.68E-05	9.63E-05	1.15E-05	1.53E-05	5.04E-05	3.48E-06
8073	470361.48	3819835.6	1.81E-04	7.59E-04	6.83E-05	1.50E-04	5.57E-04	4.90E-05	1.71E-05	9.77E-05	1.17E-05	1.55E-05	5.11E-05	3.53E-06
8074	470352.68	3819839.12	1.83E-04	7.69E-04	6.93E-05	1.53E-04	5.65E-04	4.97E-05	1.73E-05	9.90E-05	1.18E-05	1.57E-05	5.18E-05	3.57E-06
8075	470343.87	3819842.64	1.86E-04	7.79E-04	7.02E-05	1.55E-04	5.73E-04	5.04E-05	1.75E-05	1.00E-04	1.20E-05	1.59E-05	5.25E-05	3.62E-06
8076	470335.06	3819846.15	1.88E-04	7.89E-04	7.11E-05	1.57E-04	5.80E-04	5.10E-05	1.77E-05	1.02E-04	1.21E-05	1.61E-05	5.32E-05	3.67E-06
8077	470326.25	3819849.67	1.90E-04	7.99E-04	7.19E-05	1.58E-04	5.87E-04	5.16E-05	1.80E-05	1.03E-04	1.23E-05	1.63E-05	5.38E-05	3.71E-06
8078	470317.44	3819853.19	1.92E-04	8.08E-04	7.27E-05	1.60E-04	5.93E-04	5.22E-05	1.82E-05	1.04E-04	1.24E-05	1.65E-05	5.44E-05	3.75E-06
8079	470308.64	3819856.71	1.94E-04	8.16E-04	7.35E-05	1.62E-04	5.99E-04	5.27E-05	1.83E-05	1.05E-04	1.25E-05	1.67E-05	5.50E-05	3.79E-06
8080	470299.83	3819860.23	1.96E-04	8.23E-04	7.42E-05	1.63E-04	6.05E-04	5.32E-05	1.85E-05	1.06E-04	1.26E-05	1.68E-05	5.55E-05	3.83E-06
8081	470699.23	3819454.43	1.45E-04	6.10E-04	5.49E-05	1.21E-04	4.48E-04	3.94E-05	1.37E-05	7.85E-05	9.37E-06	1.25E-05	4.11E-05	2.83E-06
8082	470699.32	3819444.78	1.46E-04	6.11E-04	5.51E-05	1.21E-04	4.49E-04	3.95E-05	1.38E-05	7.87E-05	9.39E-06	1.25E-05	4.12E-05	2.84E-06
8083	470699.81	3819386.89	1.43E-04	6.01E-04	5.42E-05	1.19E-04	4.42E-04	3.89E-05	1.35E-05	7.74E-05	9.24E-06	1.23E-05	4.05E-05	2.79E-06
8084	470699.9	3819377.25	1.42E-04	5.96E-04	5.37E-05	1.18E-04	4.38E-04	3.85E-05	1.34E-05	7.68E-05	9.16E-06	1.22E-05	4.02E-05	2.77E-06
8085	470699.98	3819367.6	1.41E-04	5.90E-04	5.31E-05	1.17E-04	4.34E-04	3.81E-05	1.33E-05	7.60E-05	9.06E-06	1.21E-05	3.98E-05	2.74E-06
8086	470700.06	3819357.95	1.39E-04	5.83E-04	5.25E-05	1.16E-04	4.28E-04	3.77E-05	1.31E-05	7.51E-05	8.96E-06	1.19E-05	3.93E-05	2.71E-06
8087	470700.14	3819348.3	1.37E-04	5.75E-04	5.18E-05	1.14E-04	4.23E-04	3.72E-05	1.29E-05	7.40E-05	8.83E-06	1.18E-05	3.88E-05	2.67E-06
8088	470700.23	3819338.65	1.35E-04	5.66E-04	5.10E-05	1.12E-04	4.16E-04	3.66E-05	1.27E-05	7.29E-05	8.69E-06	1.16E-05	3.82E-05	2.63E-06
8089	470700.31	3819329	1.32E-04	5.56E-04	5.01E-05	1.10E-04	4.09E-04	3.60E-05	1.25E-05	7.16E-05	8.54E-06	1.14E-05	3.75E-05	2.58E-06
8090	470700.39	3819319.36	1.30E-04	5.46E-04	4.91E-05	1.08E-04	4.01E-04	3.53E-05	1.23E-05	7.02E-05	8.38E-06	1.12E-05	3.68E-05	2.53E-06
8091	470700.48	3819309.71	1.27E-04	5.34E-04	4.81E-05	1.06E-04	3.92E-04	3.45E-05	1.20E-05	6.87E-05	8.20E-06	1.09E-05	3.60E-05	2.48E-06
8092	470700.56	3819300.06	1.24E-04	5.22E-04	4.70E-05	1.03E-04	3.83E-04	3.37E-05	1.17E-05	6.71E-05	8.01E-06	1.07E-05	3.52E-05	2.42E-06
8093	470700.64	3819290.41	1.21E-04	5.09E-04	4.58E-05	1.01E-04	3.74E-04	3.29E-05	1.14E-05	6.55E-05	7.81E-06	1.04E-05	3.43E-05	2.36E-06
8094	470700.72	3819280.76	1.18E-04	4.95E-04	4.46E-05	9.82E-05	3.64E-04	3.20E-05	1.11E-05	6.37E-05	7.60E-06	1.01E-05	3.34E-05	2.30E-06
8095	470700.81	3819271.12	1.15E-04	4.81E-04	4.33E-05	9.54E-05	3.53E-04	3.11E-05	1.08E-05	6.19E-05	7.39E-06	9.83E-06	3.24E-05	2.24E-06
8096	470700.89	3819261.47	1.11E-04	4.67E-04	4.20E-05	9.25E-05	3.43E-04	3.02E-05	1.05E-05	6.01E-05	7.17E-06	9.54E-06	3.14E-05	2.17E-06
8097	470700.97	3819251.82	1.08E-04	4.52E-04	4.07E-05	8.96E-05	3.32E-04	2.92E-05	1.02E-05	5.81E-05	6.94E-06	9.23E-06	3.04E-05	2.10E-06
8098	470701.05	3819242.17	1.04E-04	4.37E-04	3.93E-05	8.66E-05	3.21E-04	2.82E-05	9.82E-06	5.62E-05	6.70E-06	8.92E-06	2.94E-05	2.03E-06
8099	470728.01	3819481.12	1.28E-04	5.39E-04	4.85E-05	1.07E-04	3.96E-04	3.48E-05	1.21E-05	6.94E-05	8.28E-06	1.10E-05	3.63E-05	2.50E-06
8100	470724.27	3819489.91	1.29E-04	5.43E-04	4.89E-05	1.08E-04	3.99E-04	3.51E-05	1.22E-05	6.99E-05	8.35E-06	1.11E-05	3.66E-05	2.52E-06
8101	470720.53	3819498.69	1.30E-04	5.47E-04	4.93E-05	1.09E-04	4.02E-04	3.54E-05	1.23E-05	7.04E-05	8.40E-06	1.12E-05	3.69E-05	2.54E-06
8102	470716.79	3819507.47	1.31E-04	5.50E-04	4.96E-05	1.09E-04	4.04E-04	3.56E-05	1.24E-05	7.09E-05	8.45E-06	1.13E-05	3.71E-05	2.56E-06

8103	470713.05	3819516.25	1.32E-04	5.53E-04	4.98E-05	1.10E-04	4.06E-04	3.58E-05	1.24E-05	7.12E-05	8.50E-06	1.13E-05	3.73E-05	2.57E-06
8104	470709.31	3819525.04	1.32E-04	5.55E-04	5.00E-05	1.10E-04	4.08E-04	3.59E-05	1.25E-05	7.15E-05	8.53E-06	1.14E-05	3.74E-05	2.58E-06
8105	470705.57	3819533.82	1.33E-04	5.57E-04	5.01E-05	1.10E-04	4.09E-04	3.60E-05	1.25E-05	7.17E-05	8.55E-06	1.14E-05	3.75E-05	2.59E-06
8106	470701.83	3819542.6	1.33E-04	5.58E-04	5.02E-05	1.11E-04	4.10E-04	3.61E-05	1.25E-05	7.18E-05	8.57E-06	1.14E-05	3.76E-05	2.59E-06
8107	470698.09	3819551.38	1.33E-04	5.58E-04	5.03E-05	1.11E-04	4.10E-04	3.61E-05	1.26E-05	7.19E-05	8.58E-06	1.14E-05	3.76E-05	2.59E-06
8108	470694.35	3819560.17	1.33E-04	5.58E-04	5.03E-05	1.11E-04	4.10E-04	3.61E-05	1.26E-05	7.19E-05	8.58E-06	1.14E-05	3.76E-05	2.59E-06
8109	470690.61	3819568.95	1.33E-04	5.58E-04	5.02E-05	1.11E-04	4.10E-04	3.61E-05	1.25E-05	7.18E-05	8.57E-06	1.14E-05	3.76E-05	2.59E-06
8110	470686.87	3819577.73	1.33E-04	5.57E-04	5.01E-05	1.10E-04	4.09E-04	3.60E-05	1.25E-05	7.17E-05	8.55E-06	1.14E-05	3.75E-05	2.59E-06
8111	470683.13	3819586.52	1.32E-04	5.55E-04	5.00E-05	1.10E-04	4.08E-04	3.59E-05	1.25E-05	7.15E-05	8.53E-06	1.14E-05	3.74E-05	2.58E-06
8112	470679.39	3819595.3	1.32E-04	5.53E-04	4.98E-05	1.10E-04	4.07E-04	3.58E-05	1.24E-05	7.12E-05	8.50E-06	1.13E-05	3.73E-05	2.57E-06
8113	470675.65	3819604.08	1.31E-04	5.51E-04	4.96E-05	1.09E-04	4.05E-04	3.56E-05	1.24E-05	7.09E-05	8.46E-06	1.13E-05	3.71E-05	2.56E-06
8114	470529.92	3819808.07	1.21E-04	5.07E-04	4.57E-05	1.01E-04	3.73E-04	3.28E-05	1.14E-05	6.53E-05	7.79E-06	1.04E-05	3.42E-05	2.36E-06
8115	470521.06	3819811.61	1.22E-04	5.14E-04	4.63E-05	1.02E-04	3.78E-04	3.32E-05	1.16E-05	6.62E-05	7.90E-06	1.05E-05	3.47E-05	2.39E-06
8116	470512.19	3819815.16	1.24E-04	5.21E-04	4.70E-05	1.03E-04	3.83E-04	3.37E-05	1.17E-05	6.71E-05	8.01E-06	1.07E-05	3.51E-05	2.42E-06
8117	470503.33	3819818.7	1.26E-04	5.29E-04	4.76E-05	1.05E-04	3.89E-04	3.42E-05	1.19E-05	6.81E-05	8.12E-06	1.08E-05	3.56E-05	2.46E-06
8118	470494.46	3819822.24	1.28E-04	5.37E-04	4.83E-05	1.06E-04	3.94E-04	3.47E-05	1.21E-05	6.91E-05	8.24E-06	1.10E-05	3.62E-05	2.49E-06
8119	470485.6	3819825.78	1.30E-04	5.45E-04	4.90E-05	1.08E-04	4.00E-04	3.52E-05	1.22E-05	7.01E-05	8.37E-06	1.11E-05	3.67E-05	2.53E-06
8120	470476.73	3819829.32	1.32E-04	5.53E-04	4.98E-05	1.10E-04	4.06E-04	3.57E-05	1.24E-05	7.12E-05	8.49E-06	1.13E-05	3.73E-05	2.57E-06
8121	470467.87	3819832.86	1.34E-04	5.62E-04	5.06E-05	1.11E-04	4.13E-04	3.63E-05	1.26E-05	7.23E-05	8.63E-06	1.15E-05	3.79E-05	2.61E-06
8122	470459.01	3819836.41	1.36E-04	5.71E-04	5.14E-05	1.13E-04	4.19E-04	3.69E-05	1.28E-05	7.35E-05	8.77E-06	1.17E-05	3.85E-05	2.65E-06
8123	470450.14	3819839.95	1.38E-04	5.80E-04	5.22E-05	1.15E-04	4.26E-04	3.75E-05	1.30E-05	7.47E-05	8.91E-06	1.19E-05	3.91E-05	2.69E-06
8124	470441.28	3819843.49	1.40E-04	5.89E-04	5.31E-05	1.17E-04	4.33E-04	3.81E-05	1.33E-05	7.59E-05	9.05E-06	1.20E-05	3.97E-05	2.74E-06
8125	470432.41	3819847.03	1.43E-04	5.99E-04	5.40E-05	1.19E-04	4.40E-04	3.87E-05	1.35E-05	7.71E-05	9.20E-06	1.23E-05	4.04E-05	2.78E-06
8126	470423.55	3819850.57	1.45E-04	6.09E-04	5.49E-05	1.21E-04	4.48E-04	3.94E-05	1.37E-05	7.84E-05	9.36E-06	1.25E-05	4.11E-05	2.83E-06
8127	470414.68	3819854.12	1.47E-04	6.19E-04	5.58E-05	1.23E-04	4.55E-04	4.00E-05	1.39E-05	7.97E-05	9.51E-06	1.27E-05	4.17E-05	2.88E-06
8128	470405.82	3819857.66	1.50E-04	6.29E-04	5.67E-05	1.25E-04	4.62E-04	4.07E-05	1.41E-05	8.10E-05	9.66E-06	1.29E-05	4.24E-05	2.92E-06
8129	470396.95	3819861.2	1.52E-04	6.39E-04	5.75E-05	1.27E-04	4.69E-04	4.13E-05	1.44E-05	8.22E-05	9.81E-06	1.31E-05	4.30E-05	2.97E-06
8130	470388.09	3819864.74	1.54E-04	6.48E-04	5.84E-05	1.29E-04	4.76E-04	4.19E-05	1.46E-05	8.34E-05	9.95E-06	1.32E-05	4.37E-05	3.01E-06
8131	470379.22	3819868.28	1.57E-04	6.57E-04	5.92E-05	1.30E-04	4.83E-04	4.25E-05	1.48E-05	8.46E-05	1.01E-05	1.34E-05	4.43E-05	3.05E-06
8132	470370.36	3819871.83	1.59E-04	6.66E-04	6.00E-05	1.32E-04	4.90E-04	4.31E-05	1.50E-05	8.58E-05	1.02E-05	1.36E-05	4.49E-05	3.10E-06
8133	470361.49	3819875.37	1.61E-04	6.75E-04	6.08E-05	1.34E-04	4.96E-04	4.37E-05	1.52E-05	8.69E-05	1.04E-05	1.38E-05	4.55E-05	3.14E-06
8134	470352.63	3819878.91	1.63E-04	6.84E-04	6.16E-05	1.36E-04	5.02E-04	4.42E-05	1.54E-05	8.80E-05	1.05E-05	1.40E-05	4.61E-05	3.18E-06
8135	470343.76	3819882.45	1.65E-04	6.92E-04	6.23E-05	1.37E-04	5.09E-04	4.47E-05	1.56E-05	8.91E-05	1.06E-05	1.41E-05	4.66E-05	3.22E-06
8136	470334.9	3819885.99	1.67E-04	7.00E-04	6.30E-05	1.39E-04	5.14E-04	4.52E-05	1.57E-05	9.01E-05	1.07E-05	1.43E-05	4.72E-05	3.25E-06
8137	470326.03	3819889.53	1.68E-04	7.07E-04	6.37E-05	1.40E-04	5.20E-04	4.57E-05	1.59E-05	9.10E-05	1.09E-05	1.45E-05	4.77E-05	3.29E-06
8138	470317.17	3819893.08	1.70E-04	7.14E-04	6.43E-05	1.42E-04	5.24E-04	4.61E-05	1.60E-05	9.19E-05	1.10E-05	1.46E-05	4.81E-05	3.32E-06
8139	470308.31	3819896.62	1.71E-04	7.20E-04	6.48E-05	1.43E-04	5.29E-04	4.65E-05	1.62E-05	9.26E-05	1.11E-05	1.47E-05	4.85E-05	3.34E-06
8140	470299.44	3819900.16	1.73E-04	7.25E-04	6.53E-05	1.44E-04	5.33E-04	4.69E-05	1.63E-05	9.34E-05	1.11E-05	1.48E-05	4.89E-05	3.37E-06
8141	470739.4	3819435.48	1.25E-04	5.23E-04	4.71E-05	1.04E-04	3.84E-04	3.38E-05	1.18E-05	6.73E-05	8.03E-06	1.07E-05	3.53E-05	2.43E-06
8142	470739.48	3819425.83	1.24E-04	5.22E-04	4.70E-05	1.04E-04	3.84E-04	3.38E-05	1.17E-05	6.73E-05	8.02E-06	1.07E-05	3.52E-05	2.43E-06
8143	470739.56	3819416.18	1.24E-04	5.21E-04	4.69E-05	1.03E-04	3.83E-04	3.37E-05	1.17E-05	6.71E-05	8.00E-06	1.07E-05	3.51E-05	2.42E-06
8144	470739.65	3819406.53	1.24E-04	5.19E-04	4.67E-05	1.03E-04	3.81E-04	3.35E-05	1.17E-05	6.68E-05	7.97E-06	1.06E-05	3.50E-05	2.41E-06

8145	470739.73	3819396.88	1.23E-04	5.16E-04	4.65E-05	1.02E-04	3.79E-04	3.34E-05	1.16E-05	6.64E-05	7.93E-06	1.06E-05	3.48E-05	2.40E-06
8146	470739.81	3819387.24	1.22E-04	5.13E-04	4.62E-05	1.02E-04	3.77E-04	3.31E-05	1.15E-05	6.60E-05	7.87E-06	1.05E-05	3.45E-05	2.38E-06
8147	470739.89	3819377.59	1.21E-04	5.08E-04	4.58E-05	1.01E-04	3.73E-04	3.29E-05	1.14E-05	6.54E-05	7.81E-06	1.04E-05	3.43E-05	2.36E-06
8148	470739.98	3819367.94	1.20E-04	5.03E-04	4.53E-05	9.98E-05	3.70E-04	3.25E-05	1.13E-05	6.48E-05	7.73E-06	1.03E-05	3.39E-05	2.34E-06
8149	470740.06	3819358.29	1.18E-04	4.97E-04	4.48E-05	9.86E-05	3.65E-04	3.21E-05	1.12E-05	6.40E-05	7.64E-06	1.02E-05	3.35E-05	2.31E-06
8150	470740.14	3819348.64	1.17E-04	4.91E-04	4.42E-05	9.73E-05	3.61E-04	3.17E-05	1.10E-05	6.32E-05	7.54E-06	1.00E-05	3.31E-05	2.28E-06
8151	470740.23	3819339	1.15E-04	4.83E-04	4.35E-05	9.59E-05	3.55E-04	3.13E-05	1.09E-05	6.22E-05	7.43E-06	9.88E-06	3.26E-05	2.25E-06
8152	470740.31	3819329.35	1.13E-04	4.76E-04	4.28E-05	9.43E-05	3.49E-04	3.07E-05	1.07E-05	6.12E-05	7.30E-06	9.72E-06	3.21E-05	2.21E-06
8153	470740.39	3819319.7	1.11E-04	4.67E-04	4.21E-05	9.26E-05	3.43E-04	3.02E-05	1.05E-05	6.01E-05	7.17E-06	9.55E-06	3.15E-05	2.17E-06
8154	470740.47	3819310.05	1.09E-04	4.58E-04	4.12E-05	9.08E-05	3.36E-04	2.96E-05	1.03E-05	5.90E-05	7.03E-06	9.36E-06	3.09E-05	2.13E-06
8155	470740.56	3819300.4	1.07E-04	4.48E-04	4.04E-05	8.89E-05	3.29E-04	2.90E-05	1.01E-05	5.77E-05	6.88E-06	9.16E-06	3.02E-05	2.08E-06
8156	470740.64	3819290.75	1.04E-04	4.38E-04	3.94E-05	8.69E-05	3.22E-04	2.83E-05	9.85E-06	5.64E-05	6.73E-06	8.95E-06	2.95E-05	2.04E-06
8157	470740.72	3819281.11	1.02E-04	4.27E-04	3.85E-05	8.48E-05	3.14E-04	2.76E-05	9.61E-06	5.50E-05	6.56E-06	8.73E-06	2.88E-05	1.99E-06
8158	470740.8	3819271.46	9.91E-05	4.16E-04	3.75E-05	8.25E-05	3.06E-04	2.69E-05	9.36E-06	5.36E-05	6.39E-06	8.51E-06	2.81E-05	1.93E-06
8159	470740.89	3819261.81	9.64E-05	4.05E-04	3.64E-05	8.03E-05	2.97E-04	2.62E-05	9.10E-06	5.21E-05	6.22E-06	8.27E-06	2.73E-05	1.88E-06
8160	470740.97	3819252.16	9.35E-05	3.93E-04	3.54E-05	7.79E-05	2.89E-04	2.54E-05	8.83E-06	5.06E-05	6.03E-06	8.03E-06	2.65E-05	1.83E-06
8161	470741.05	3819242.51	9.07E-05	3.81E-04	3.43E-05	7.55E-05	2.80E-04	2.46E-05	8.56E-06	4.90E-05	5.85E-06	7.78E-06	2.57E-05	1.77E-06
8162	470775.47	3819463.95	1.09E-04	4.57E-04	4.12E-05	9.07E-05	3.36E-04	2.96E-05	1.03E-05	5.89E-05	7.02E-06	9.35E-06	3.08E-05	2.12E-06
8163	470771.71	3819472.78	1.10E-04	4.62E-04	4.16E-05	9.17E-05	3.40E-04	2.99E-05	1.04E-05	5.95E-05	7.10E-06	9.45E-06	3.12E-05	2.15E-06
8164	470752.91	3819516.93	1.14E-04	4.80E-04	4.33E-05	9.53E-05	3.53E-04	3.11E-05	1.08E-05	6.19E-05	7.38E-06	9.82E-06	3.24E-05	2.23E-06
8165	470749.15	3819525.76	1.15E-04	4.83E-04	4.35E-05	9.58E-05	3.55E-04	3.12E-05	1.09E-05	6.22E-05	7.42E-06	9.87E-06	3.25E-05	2.24E-06
8166	470745.39	3819534.59	1.15E-04	4.85E-04	4.37E-05	9.61E-05	3.56E-04	3.13E-05	1.09E-05	6.24E-05	7.44E-06	9.91E-06	3.27E-05	2.25E-06
8167	470741.62	3819543.42	1.16E-04	4.86E-04	4.38E-05	9.64E-05	3.57E-04	3.14E-05	1.09E-05	6.26E-05	7.47E-06	9.94E-06	3.28E-05	2.26E-06
8168	470737.86	3819552.25	1.16E-04	4.87E-04	4.39E-05	9.66E-05	3.58E-04	3.15E-05	1.10E-05	6.27E-05	7.48E-06	9.96E-06	3.28E-05	2.26E-06
8169	470734.1	3819561.08	1.16E-04	4.88E-04	4.39E-05	9.68E-05	3.58E-04	3.15E-05	1.10E-05	6.28E-05	7.49E-06	9.97E-06	3.29E-05	2.27E-06
8170	470730.34	3819569.91	1.16E-04	4.88E-04	4.40E-05	9.68E-05	3.59E-04	3.15E-05	1.10E-05	6.28E-05	7.50E-06	9.98E-06	3.29E-05	2.27E-06
8171	470726.58	3819578.74	1.16E-04	4.88E-04	4.39E-05	9.68E-05	3.58E-04	3.15E-05	1.10E-05	6.28E-05	7.49E-06	9.97E-06	3.29E-05	2.27E-06
8172	470722.82	3819587.57	1.16E-04	4.87E-04	4.39E-05	9.66E-05	3.58E-04	3.15E-05	1.10E-05	6.27E-05	7.48E-06	9.96E-06	3.28E-05	2.26E-06
8173	470719.06	3819596.41	1.16E-04	4.86E-04	4.38E-05	9.65E-05	3.57E-04	3.14E-05	1.09E-05	6.26E-05	7.47E-06	9.94E-06	3.28E-05	2.26E-06
8174	470715.3	3819605.24	1.16E-04	4.85E-04	4.37E-05	9.62E-05	3.56E-04	3.14E-05	1.09E-05	6.24E-05	7.45E-06	9.92E-06	3.27E-05	2.25E-06
8175	470711.54	3819614.07	1.15E-04	4.83E-04	4.35E-05	9.59E-05	3.55E-04	3.13E-05	1.09E-05	6.22E-05	7.43E-06	9.88E-06	3.26E-05	2.25E-06
8176	470707.78	3819622.9	1.15E-04	4.82E-04	4.34E-05	9.55E-05	3.54E-04	3.11E-05	1.08E-05	6.20E-05	7.40E-06	9.84E-06	3.25E-05	2.24E-06
8177	470704.02	3819631.73	1.14E-04	4.79E-04	4.32E-05	9.51E-05	3.52E-04	3.10E-05	1.08E-05	6.17E-05	7.36E-06	9.80E-06	3.23E-05	2.23E-06
8178	470504.02	3819858.19	1.14E-04	4.79E-04	4.32E-05	9.51E-05	3.52E-04	3.10E-05	1.08E-05	6.17E-05	7.36E-06	9.80E-06	3.23E-05	2.23E-06
8179	470495.11	3819861.75	1.16E-04	4.86E-04	4.38E-05	9.65E-05	3.57E-04	3.14E-05	1.09E-05	6.26E-05	7.47E-06	9.94E-06	3.28E-05	2.26E-06
8180	470486.2	3819865.32	1.18E-04	4.94E-04	4.45E-05	9.79E-05	3.63E-04	3.19E-05	1.11E-05	6.36E-05	7.58E-06	1.01E-05	3.33E-05	2.29E-06
8181	470477.29	3819868.88	1.19E-04	5.01E-04	4.52E-05	9.94E-05	3.68E-04	3.24E-05	1.13E-05	6.45E-05	7.70E-06	1.02E-05	3.38E-05	2.33E-06
8182	470468.37	3819872.44	1.21E-04	5.09E-04	4.59E-05	1.01E-04	3.74E-04	3.29E-05	1.15E-05	6.56E-05	7.82E-06	1.04E-05	3.43E-05	2.37E-06
8183	470459.46	3819876	1.23E-04	5.17E-04	4.66E-05	1.03E-04	3.80E-04	3.34E-05	1.16E-05	6.66E-05	7.94E-06	1.06E-05	3.49E-05	2.40E-06
8184	470450.55	3819879.56	1.25E-04	5.25E-04	4.73E-05	1.04E-04	3.86E-04	3.40E-05	1.18E-05	6.76E-05	8.07E-06	1.07E-05	3.54E-05	2.44E-06
8185	470441.63	3819883.12	1.27E-04	5.34E-04	4.81E-05	1.06E-04	3.92E-04	3.45E-05	1.20E-05	6.87E-05	8.20E-06	1.09E-05	3.60E-05	2.48E-06
8186	470432.72	3819886.68	1.29E-04	5.42E-04	4.88E-05	1.08E-04	3.98E-04	3.50E-05	1.22E-05	6.98E-05	8.33E-06	1.11E-05	3.65E-05	2.52E-06

8187	470423.81	3819890.24	1.31E-04	5.51E-04	4.96E-05	1.09E-04	4.05E-04	3.56E-05	1.24E-05	7.09E-05	8.46E-06	1.13E-05	3.71E-05	2.56E-06
8188	470414.9	3819893.8	1.33E-04	5.59E-04	5.03E-05	1.11E-04	4.11E-04	3.61E-05	1.26E-05	7.19E-05	8.58E-06	1.14E-05	3.77E-05	2.60E-06
8189	470405.98	3819897.37	1.35E-04	5.67E-04	5.11E-05	1.12E-04	4.17E-04	3.67E-05	1.28E-05	7.30E-05	8.71E-06	1.16E-05	3.82E-05	2.64E-06
8190	470397.07	3819900.93	1.37E-04	5.75E-04	5.18E-05	1.14E-04	4.23E-04	3.72E-05	1.29E-05	7.41E-05	8.84E-06	1.18E-05	3.88E-05	2.67E-06
8191	470388.16	3819904.49	1.39E-04	5.83E-04	5.25E-05	1.16E-04	4.29E-04	3.77E-05	1.31E-05	7.51E-05	8.96E-06	1.19E-05	3.93E-05	2.71E-06
8192	470379.24	3819908.05	1.41E-04	5.91E-04	5.32E-05	1.17E-04	4.34E-04	3.82E-05	1.33E-05	7.61E-05	9.08E-06	1.21E-05	3.98E-05	2.75E-06
8193	470370.33	3819911.61	1.42E-04	5.98E-04	5.39E-05	1.19E-04	4.40E-04	3.87E-05	1.35E-05	7.70E-05	9.19E-06	1.22E-05	4.03E-05	2.78E-06
8194	470361.42	3819915.17	1.44E-04	6.05E-04	5.45E-05	1.20E-04	4.45E-04	3.91E-05	1.36E-05	7.79E-05	9.30E-06	1.24E-05	4.08E-05	2.81E-06
8195	470352.51	3819918.73	1.46E-04	6.12E-04	5.51E-05	1.21E-04	4.50E-04	3.96E-05	1.38E-05	7.88E-05	9.40E-06	1.25E-05	4.13E-05	2.84E-06
8196	470343.59	3819922.29	1.47E-04	6.18E-04	5.57E-05	1.23E-04	4.54E-04	4.00E-05	1.39E-05	7.96E-05	9.50E-06	1.26E-05	4.17E-05	2.87E-06
8197	470334.68	3819925.85	1.49E-04	6.24E-04	5.62E-05	1.24E-04	4.59E-04	4.03E-05	1.40E-05	8.03E-05	9.59E-06	1.28E-05	4.21E-05	2.90E-06
8198	470325.77	3819929.41	1.50E-04	6.30E-04	5.67E-05	1.25E-04	4.63E-04	4.07E-05	1.42E-05	8.11E-05	9.67E-06	1.29E-05	4.24E-05	2.93E-06
8199	470316.85	3819932.98	1.51E-04	6.35E-04	5.72E-05	1.26E-04	4.67E-04	4.10E-05	1.43E-05	8.17E-05	9.75E-06	1.30E-05	4.28E-05	2.95E-06
8200	470307.94	3819936.54	1.52E-04	6.40E-04	5.76E-05	1.27E-04	4.70E-04	4.14E-05	1.44E-05	8.24E-05	9.83E-06	1.31E-05	4.31E-05	2.97E-06
8201	470299.03	3819940.1	1.53E-04	6.45E-04	5.80E-05	1.28E-04	4.74E-04	4.17E-05	1.45E-05	8.30E-05	9.90E-06	1.32E-05	4.34E-05	2.99E-06
8202	470779.23	3819455.12	1.08E-04	4.52E-04	4.07E-05	8.96E-05	3.32E-04	2.92E-05	1.02E-05	5.82E-05	6.94E-06	9.24E-06	3.05E-05	2.10E-06
8203	470779.31	3819445.47	1.08E-04	4.52E-04	4.07E-05	8.97E-05	3.32E-04	2.92E-05	1.02E-05	5.82E-05	6.94E-06	9.24E-06	3.05E-05	2.10E-06
8204	470779.4	3819435.82	1.08E-04	4.52E-04	4.07E-05	8.96E-05	3.32E-04	2.92E-05	1.02E-05	5.81E-05	6.94E-06	9.23E-06	3.04E-05	2.10E-06
8205	470779.48	3819426.17	1.07E-04	4.51E-04	4.06E-05	8.94E-05	3.31E-04	2.91E-05	1.01E-05	5.80E-05	6.92E-06	9.21E-06	3.04E-05	2.09E-06
8206	470779.56	3819416.52	1.07E-04	4.49E-04	4.05E-05	8.91E-05	3.30E-04	2.90E-05	1.01E-05	5.78E-05	6.90E-06	9.19E-06	3.03E-05	2.09E-06
8207	470779.65	3819406.88	1.07E-04	4.47E-04	4.03E-05	8.87E-05	3.29E-04	2.89E-05	1.01E-05	5.76E-05	6.87E-06	9.15E-06	3.02E-05	2.08E-06
8208	470779.73	3819397.23	1.06E-04	4.45E-04	4.01E-05	8.82E-05	3.27E-04	2.88E-05	1.00E-05	5.73E-05	6.83E-06	9.09E-06	3.00E-05	2.07E-06
8209	470779.81	3819387.58	1.05E-04	4.42E-04	3.98E-05	8.76E-05	3.25E-04	2.86E-05	9.93E-06	5.69E-05	6.78E-06	9.03E-06	2.98E-05	2.05E-06
8210	470779.89	3819377.93	1.04E-04	4.38E-04	3.95E-05	8.69E-05	3.22E-04	2.83E-05	9.85E-06	5.64E-05	6.73E-06	8.95E-06	2.95E-05	2.04E-06
8211	470779.98	3819368.28	1.03E-04	4.34E-04	3.91E-05	8.60E-05	3.19E-04	2.80E-05	9.75E-06	5.58E-05	6.66E-06	8.87E-06	2.92E-05	2.02E-06
8212	470780.06	3819358.64	1.02E-04	4.29E-04	3.86E-05	8.51E-05	3.15E-04	2.77E-05	9.65E-06	5.52E-05	6.59E-06	8.77E-06	2.89E-05	1.99E-06
8213	470780.14	3819348.99	1.01E-04	4.24E-04	3.81E-05	8.40E-05	3.11E-04	2.74E-05	9.53E-06	5.45E-05	6.51E-06	8.66E-06	2.86E-05	1.97E-06
8214	470780.22	3819339.34	9.95E-05	4.18E-04	3.76E-05	8.29E-05	3.07E-04	2.70E-05	9.39E-06	5.38E-05	6.42E-06	8.54E-06	2.82E-05	1.94E-06
8215	470780.31	3819329.69	9.80E-05	4.11E-04	3.70E-05	8.16E-05	3.02E-04	2.66E-05	9.25E-06	5.30E-05	6.32E-06	8.41E-06	2.77E-05	1.91E-06
8216	470780.39	3819320.04	9.63E-05	4.04E-04	3.64E-05	8.02E-05	2.97E-04	2.61E-05	9.10E-06	5.21E-05	6.21E-06	8.27E-06	2.73E-05	1.88E-06
8217	470780.47	3819310.39	9.46E-05	3.97E-04	3.58E-05	7.88E-05	2.92E-04	2.57E-05	8.93E-06	5.11E-05	6.10E-06	8.12E-06	2.68E-05	1.85E-06
8218	470780.56	3819300.75	9.27E-05	3.89E-04	3.51E-05	7.72E-05	2.86E-04	2.52E-05	8.75E-06	5.01E-05	5.98E-06	7.96E-06	2.62E-05	1.81E-06
8219	470780.64	3819291.1	9.07E-05	3.81E-04	3.43E-05	7.56E-05	2.80E-04	2.46E-05	8.57E-06	4.91E-05	5.85E-06	7.79E-06	2.57E-05	1.77E-06
8220	470780.72	3819281.45	8.87E-05	3.72E-04	3.35E-05	7.39E-05	2.74E-04	2.41E-05	8.38E-06	4.80E-05	5.72E-06	7.61E-06	2.51E-05	1.73E-06
8221	470780.8	3819271.8	8.66E-05	3.64E-04	3.27E-05	7.21E-05	2.67E-04	2.35E-05	8.17E-06	4.68E-05	5.58E-06	7.43E-06	2.45E-05	1.69E-06
8222	470780.89	3819262.15	8.44E-05	3.54E-04	3.19E-05	7.03E-05	2.60E-04	2.29E-05	7.97E-06	4.56E-05	5.44E-06	7.24E-06	2.39E-05	1.65E-06
8223	470780.97	3819252.51	8.21E-05	3.45E-04	3.10E-05	6.84E-05	2.53E-04	2.23E-05	7.75E-06	4.44E-05	5.29E-06	7.05E-06	2.32E-05	1.60E-06
8224	470781.05	3819242.86	7.98E-05	3.35E-04	3.02E-05	6.64E-05	2.46E-04	2.17E-05	7.53E-06	4.31E-05	5.14E-06	6.85E-06	2.26E-05	1.56E-06
8225	470815.45	3819464.33	9.50E-05	3.99E-04	3.59E-05	7.91E-05	2.93E-04	2.58E-05	8.97E-06	5.14E-05	6.13E-06	8.16E-06	2.69E-05	1.85E-06
8226	470811.67	3819473.2	9.61E-05	4.03E-04	3.63E-05	8.00E-05	2.96E-04	2.61E-05	9.07E-06	5.19E-05	6.20E-06	8.25E-06	2.72E-05	1.87E-06
8227	470807.9	3819482.07	9.70E-05	4.07E-04	3.67E-05	8.08E-05	2.99E-04	2.63E-05	9.16E-06	5.25E-05	6.26E-06	8.33E-06	2.75E-05	1.89E-06
8228	470804.12	3819490.95	9.79E-05	4.11E-04	3.70E-05	8.16E-05	3.02E-04	2.66E-05	9.25E-06	5.29E-05	6.32E-06	8.41E-06	2.77E-05	1.91E-06

8229	470800.34	3819499.82	9.87E-05	4.15E-04	3.73E-05	8.22E-05	3.05E-04	2.68E-05	9.32E-06	5.34E-05	6.37E-06	8.48E-06	2.80E-05	1.93E-06
8230	470796.56	3819508.69	9.95E-05	4.18E-04	3.76E-05	8.29E-05	3.07E-04	2.70E-05	9.39E-06	5.38E-05	6.42E-06	8.54E-06	2.82E-05	1.94E-06
8231	470781.45	3819544.18	1.02E-04	4.27E-04	3.84E-05	8.46E-05	3.14E-04	2.76E-05	9.59E-06	5.49E-05	6.55E-06	8.72E-06	2.88E-05	1.98E-06
8232	470777.67	3819553.05	1.02E-04	4.28E-04	3.85E-05	8.49E-05	3.15E-04	2.77E-05	9.63E-06	5.51E-05	6.57E-06	8.75E-06	2.89E-05	1.99E-06
8233	470773.89	3819561.92	1.02E-04	4.29E-04	3.86E-05	8.51E-05	3.15E-04	2.77E-05	9.65E-06	5.52E-05	6.59E-06	8.77E-06	2.89E-05	1.99E-06
8234	470770.11	3819570.79	1.02E-04	4.30E-04	3.87E-05	8.52E-05	3.16E-04	2.78E-05	9.66E-06	5.53E-05	6.60E-06	8.79E-06	2.90E-05	2.00E-06
8235	470766.34	3819579.66	1.02E-04	4.30E-04	3.87E-05	8.53E-05	3.16E-04	2.78E-05	9.67E-06	5.54E-05	6.61E-06	8.79E-06	2.90E-05	2.00E-06
8236	470762.56	3819588.53	1.02E-04	4.30E-04	3.87E-05	8.53E-05	3.16E-04	2.78E-05	9.67E-06	5.54E-05	6.61E-06	8.79E-06	2.90E-05	2.00E-06
8237	470758.78	3819597.41	1.02E-04	4.30E-04	3.87E-05	8.53E-05	3.16E-04	2.78E-05	9.67E-06	5.53E-05	6.60E-06	8.79E-06	2.90E-05	2.00E-06
8238	470755	3819606.28	1.02E-04	4.29E-04	3.87E-05	8.51E-05	3.15E-04	2.77E-05	9.65E-06	5.53E-05	6.59E-06	8.78E-06	2.89E-05	1.99E-06
8239	470751.22	3819615.15	1.02E-04	4.28E-04	3.86E-05	8.50E-05	3.15E-04	2.77E-05	9.63E-06	5.52E-05	6.58E-06	8.76E-06	2.89E-05	1.99E-06
8240	470747.44	3819624.02	1.02E-04	4.27E-04	3.85E-05	8.48E-05	3.14E-04	2.76E-05	9.61E-06	5.50E-05	6.56E-06	8.74E-06	2.88E-05	1.99E-06
8241	470743.67	3819632.89	1.01E-04	4.26E-04	3.84E-05	8.45E-05	3.13E-04	2.75E-05	9.58E-06	5.48E-05	6.54E-06	8.71E-06	2.87E-05	1.98E-06
8242	470739.89	3819641.76	1.01E-04	4.24E-04	3.82E-05	8.42E-05	3.12E-04	2.74E-05	9.54E-06	5.46E-05	6.52E-06	8.67E-06	2.86E-05	1.97E-06
8243	470736.11	3819650.63	1.01E-04	4.22E-04	3.80E-05	8.38E-05	3.10E-04	2.73E-05	9.50E-06	5.44E-05	6.49E-06	8.64E-06	2.85E-05	1.96E-06
8244	470732.33	3819659.51	1.00E-04	4.21E-04	3.79E-05	8.34E-05	3.09E-04	2.72E-05	9.46E-06	5.41E-05	6.46E-06	8.60E-06	2.83E-05	1.95E-06
8245	470728.55	3819668.38	9.96E-05	4.18E-04	3.77E-05	8.30E-05	3.07E-04	2.70E-05	9.41E-06	5.39E-05	6.43E-06	8.55E-06	2.82E-05	1.94E-06
8246	470477.68	3819908.49	1.09E-04	4.58E-04	4.12E-05	9.08E-05	3.36E-04	2.96E-05	1.03E-05	5.89E-05	7.03E-06	9.36E-06	3.09E-05	2.13E-06
8247	470468.73	3819912.07	1.11E-04	4.65E-04	4.19E-05	9.22E-05	3.42E-04	3.00E-05	1.05E-05	5.98E-05	7.14E-06	9.50E-06	3.13E-05	2.16E-06
8248	470459.77	3819915.65	1.12E-04	4.72E-04	4.25E-05	9.36E-05	3.47E-04	3.05E-05	1.06E-05	6.08E-05	7.25E-06	9.65E-06	3.18E-05	2.19E-06
8249	470450.82	3819919.22	1.14E-04	4.79E-04	4.32E-05	9.50E-05	3.52E-04	3.10E-05	1.08E-05	6.17E-05	7.36E-06	9.80E-06	3.23E-05	2.23E-06
8250	470441.87	3819922.8	1.16E-04	4.86E-04	4.38E-05	9.65E-05	3.57E-04	3.14E-05	1.09E-05	6.26E-05	7.47E-06	9.94E-06	3.28E-05	2.26E-06
8251	470432.91	3819926.38	1.18E-04	4.94E-04	4.45E-05	9.79E-05	3.63E-04	3.19E-05	1.11E-05	6.35E-05	7.58E-06	1.01E-05	3.33E-05	2.29E-06
8252	470423.96	3819929.96	1.19E-04	5.01E-04	4.51E-05	9.93E-05	3.68E-04	3.24E-05	1.13E-05	6.45E-05	7.69E-06	1.02E-05	3.38E-05	2.33E-06
8253	470415	3819933.54	1.21E-04	5.08E-04	4.57E-05	1.01E-04	3.73E-04	3.28E-05	1.14E-05	6.54E-05	7.80E-06	1.04E-05	3.42E-05	2.36E-06
8254	470406.05	3819937.11	1.23E-04	5.15E-04	4.64E-05	1.02E-04	3.78E-04	3.33E-05	1.16E-05	6.63E-05	7.91E-06	1.05E-05	3.47E-05	2.39E-06
8255	470397.09	3819940.69	1.24E-04	5.21E-04	4.69E-05	1.03E-04	3.83E-04	3.37E-05	1.17E-05	6.71E-05	8.01E-06	1.07E-05	3.51E-05	2.42E-06
8256	470388.14	3819944.27	1.26E-04	5.28E-04	4.75E-05	1.05E-04	3.88E-04	3.41E-05	1.19E-05	6.79E-05	8.10E-06	1.08E-05	3.56E-05	2.45E-06
8257	470379.18	3819947.85	1.27E-04	5.33E-04	4.80E-05	1.06E-04	3.92E-04	3.45E-05	1.20E-05	6.87E-05	8.19E-06	1.09E-05	3.60E-05	2.48E-06
8258	470370.23	3819951.42	1.28E-04	5.39E-04	4.86E-05	1.07E-04	3.96E-04	3.49E-05	1.21E-05	6.94E-05	8.29E-06	1.10E-05	3.64E-05	2.51E-06
8259	470361.28	3819955	1.30E-04	5.45E-04	4.91E-05	1.08E-04	4.01E-04	3.52E-05	1.23E-05	7.02E-05	8.37E-06	1.11E-05	3.67E-05	2.53E-06
8260	470352.32	3819958.58	1.31E-04	5.51E-04	4.96E-05	1.09E-04	4.05E-04	3.56E-05	1.24E-05	7.09E-05	8.46E-06	1.13E-05	3.71E-05	2.56E-06
8261	470343.37	3819962.16	1.32E-04	5.56E-04	5.00E-05	1.10E-04	4.08E-04	3.59E-05	1.25E-05	7.15E-05	8.54E-06	1.14E-05	3.75E-05	2.58E-06
8262	470334.41	3819965.73	1.33E-04	5.61E-04	5.05E-05	1.11E-04	4.12E-04	3.62E-05	1.26E-05	7.22E-05	8.61E-06	1.15E-05	3.78E-05	2.60E-06
8263	470325.46	3819969.31	1.35E-04	5.65E-04	5.09E-05	1.12E-04	4.15E-04	3.65E-05	1.27E-05	7.27E-05	8.68E-06	1.16E-05	3.81E-05	2.63E-06
8264	470316.5	3819972.89	1.36E-04	5.69E-04	5.13E-05	1.13E-04	4.18E-04	3.68E-05	1.28E-05	7.33E-05	8.74E-06	1.16E-05	3.84E-05	2.65E-06
8265	470307.55	3819976.47	1.36E-04	5.73E-04	5.16E-05	1.14E-04	4.21E-04	3.71E-05	1.29E-05	7.38E-05	8.80E-06	1.17E-05	3.86E-05	2.66E-06
8266	470819.23	3819455.46	9.39E-05	3.94E-04	3.55E-05	7.82E-05	2.90E-04	2.55E-05	8.87E-06	5.08E-05	6.06E-06	8.06E-06	2.66E-05	1.83E-06
8267	470819.31	3819445.81	9.38E-05	3.94E-04	3.55E-05	7.82E-05	2.90E-04	2.55E-05	8.86E-06	5.07E-05	6.05E-06	8.06E-06	2.66E-05	1.83E-06
8268	470819.4	3819436.16	9.37E-05	3.93E-04	3.54E-05	7.80E-05	2.89E-04	2.54E-05	8.85E-06	5.06E-05	6.04E-06	8.04E-06	2.65E-05	1.83E-06
8269	470819.48	3819426.52	9.35E-05	3.92E-04	3.53E-05	7.78E-05	2.88E-04	2.54E-05	8.83E-06	5.05E-05	6.03E-06	8.02E-06	2.65E-05	1.82E-06
8270	470819.56	3819416.87	9.31E-05	3.91E-04	3.52E-05	7.76E-05	2.87E-04	2.53E-05	8.79E-06	5.03E-05	6.01E-06	8.00E-06	2.64E-05	1.82E-06

8271	470819.64	3819407.22	9.27E-05	3.89E-04	3.51E-05	7.72E-05	2.86E-04	2.52E-05	8.75E-06	5.01E-05	5.98E-06	7.96E-06	2.62E-05	1.81E-06
8272	470819.73	3819397.57	9.22E-05	3.87E-04	3.49E-05	7.68E-05	2.84E-04	2.50E-05	8.70E-06	4.98E-05	5.94E-06	7.91E-06	2.61E-05	1.80E-06
8273	470819.81	3819387.92	9.15E-05	3.84E-04	3.46E-05	7.62E-05	2.82E-04	2.48E-05	8.64E-06	4.95E-05	5.90E-06	7.86E-06	2.59E-05	1.79E-06
8274	470819.89	3819378.27	9.08E-05	3.81E-04	3.43E-05	7.56E-05	2.80E-04	2.46E-05	8.57E-06	4.91E-05	5.86E-06	7.79E-06	2.57E-05	1.77E-06
8275	470819.97	3819368.63	8.99E-05	3.78E-04	3.40E-05	7.49E-05	2.78E-04	2.44E-05	8.49E-06	4.86E-05	5.80E-06	7.72E-06	2.55E-05	1.75E-06
8276	470820.06	3819358.98	8.90E-05	3.74E-04	3.37E-05	7.41E-05	2.75E-04	2.42E-05	8.40E-06	4.81E-05	5.74E-06	7.64E-06	2.52E-05	1.74E-06
8277	470820.14	3819349.33	8.79E-05	3.69E-04	3.33E-05	7.32E-05	2.71E-04	2.39E-05	8.30E-06	4.75E-05	5.67E-06	7.55E-06	2.49E-05	1.72E-06
8278	470820.22	3819339.68	8.68E-05	3.64E-04	3.28E-05	7.23E-05	2.68E-04	2.36E-05	8.20E-06	4.69E-05	5.60E-06	7.45E-06	2.46E-05	1.69E-06
8279	470820.31	3819330.03	8.55E-05	3.59E-04	3.23E-05	7.12E-05	2.64E-04	2.32E-05	8.08E-06	4.62E-05	5.52E-06	7.34E-06	2.42E-05	1.67E-06
8280	470820.39	3819320.39	8.42E-05	3.54E-04	3.18E-05	7.01E-05	2.60E-04	2.29E-05	7.95E-06	4.55E-05	5.43E-06	7.23E-06	2.38E-05	1.64E-06
8281	470820.47	3819310.74	8.28E-05	3.48E-04	3.13E-05	6.89E-05	2.55E-04	2.25E-05	7.82E-06	4.47E-05	5.34E-06	7.11E-06	2.34E-05	1.62E-06
8282	470820.55	3819301.09	8.13E-05	3.41E-04	3.07E-05	6.77E-05	2.51E-04	2.21E-05	7.67E-06	4.39E-05	5.24E-06	6.98E-06	2.30E-05	1.59E-06
8283	470820.64	3819291.44	7.97E-05	3.35E-04	3.01E-05	6.64E-05	2.46E-04	2.16E-05	7.52E-06	4.31E-05	5.14E-06	6.84E-06	2.25E-05	1.55E-06
8284	470820.72	3819281.79	7.80E-05	3.28E-04	2.95E-05	6.50E-05	2.41E-04	2.12E-05	7.36E-06	4.22E-05	5.03E-06	6.69E-06	2.21E-05	1.52E-06
8285	470820.8	3819272.14	7.62E-05	3.20E-04	2.88E-05	6.35E-05	2.35E-04	2.07E-05	7.20E-06	4.12E-05	4.92E-06	6.55E-06	2.16E-05	1.49E-06
8286	470820.88	3819262.5	7.44E-05	3.13E-04	2.82E-05	6.20E-05	2.30E-04	2.02E-05	7.03E-06	4.02E-05	4.80E-06	6.39E-06	2.11E-05	1.45E-06
8287	470820.97	3819252.85	7.26E-05	3.05E-04	2.75E-05	6.05E-05	2.24E-04	1.97E-05	6.85E-06	3.92E-05	4.68E-06	6.23E-06	2.05E-05	1.42E-06
8288	470821.05	3819243.2	7.07E-05	2.97E-04	2.67E-05	5.89E-05	2.18E-04	1.92E-05	6.67E-06	3.82E-05	4.56E-06	6.07E-06	2.00E-05	1.38E-06
8289	470855.52	3819464.52	8.35E-05	3.51E-04	3.16E-05	6.96E-05	2.58E-04	2.27E-05	7.89E-06	4.51E-05	5.39E-06	7.17E-06	2.36E-05	1.63E-06
8290	470851.8	3819473.24	8.44E-05	3.55E-04	3.19E-05	7.03E-05	2.61E-04	2.29E-05	7.97E-06	4.56E-05	5.45E-06	7.25E-06	2.39E-05	1.65E-06
8291	470848.09	3819481.96	8.53E-05	3.58E-04	3.23E-05	7.10E-05	2.63E-04	2.32E-05	8.05E-06	4.61E-05	5.50E-06	7.32E-06	2.41E-05	1.66E-06
8292	470844.38	3819490.67	8.61E-05	3.62E-04	3.26E-05	7.17E-05	2.66E-04	2.34E-05	8.13E-06	4.65E-05	5.55E-06	7.39E-06	2.44E-05	1.68E-06
8293	470840.67	3819499.39	8.68E-05	3.65E-04	3.28E-05	7.23E-05	2.68E-04	2.36E-05	8.20E-06	4.69E-05	5.60E-06	7.45E-06	2.46E-05	1.69E-06
8294	470836.95	3819508.11	8.75E-05	3.68E-04	3.31E-05	7.29E-05	2.70E-04	2.38E-05	8.26E-06	4.73E-05	5.65E-06	7.51E-06	2.48E-05	1.71E-06
8295	470833.24	3819516.83	8.81E-05	3.70E-04	3.33E-05	7.34E-05	2.72E-04	2.39E-05	8.32E-06	4.77E-05	5.69E-06	7.57E-06	2.50E-05	1.72E-06
8296	470829.53	3819525.55	8.87E-05	3.73E-04	3.35E-05	7.39E-05	2.74E-04	2.41E-05	8.38E-06	4.80E-05	5.72E-06	7.62E-06	2.51E-05	1.73E-06
8297	470825.81	3819534.26	8.92E-05	3.75E-04	3.37E-05	7.43E-05	2.75E-04	2.42E-05	8.42E-06	4.82E-05	5.75E-06	7.66E-06	2.53E-05	1.74E-06
8298	470807.25	3819577.85	9.08E-05	3.81E-04	3.43E-05	7.56E-05	2.80E-04	2.46E-05	8.57E-06	4.91E-05	5.85E-06	7.79E-06	2.57E-05	1.77E-06
8299	470803.54	3819586.57	9.09E-05	3.82E-04	3.44E-05	7.57E-05	2.80E-04	2.47E-05	8.58E-06	4.91E-05	5.86E-06	7.80E-06	2.57E-05	1.77E-06
8300	470799.83	3819595.29	9.09E-05	3.82E-04	3.44E-05	7.58E-05	2.81E-04	2.47E-05	8.59E-06	4.92E-05	5.87E-06	7.81E-06	2.57E-05	1.77E-06
8301	470796.11	3819604.01	9.10E-05	3.82E-04	3.44E-05	7.58E-05	2.81E-04	2.47E-05	8.59E-06	4.92E-05	5.87E-06	7.81E-06	2.57E-05	1.77E-06
8302	470792.4	3819612.72	9.09E-05	3.82E-04	3.44E-05	7.57E-05	2.81E-04	2.47E-05	8.58E-06	4.91E-05	5.86E-06	7.80E-06	2.57E-05	1.77E-06
8303	470788.69	3819621.44	9.08E-05	3.81E-04	3.43E-05	7.56E-05	2.80E-04	2.46E-05	8.57E-06	4.91E-05	5.86E-06	7.79E-06	2.57E-05	1.77E-06
8304	470784.98	3819630.16	9.06E-05	3.81E-04	3.43E-05	7.55E-05	2.80E-04	2.46E-05	8.56E-06	4.90E-05	5.85E-06	7.78E-06	2.57E-05	1.77E-06
8305	470781.26	3819638.88	9.04E-05	3.80E-04	3.42E-05	7.53E-05	2.79E-04	2.45E-05	8.54E-06	4.89E-05	5.83E-06	7.76E-06	2.56E-05	1.76E-06
8306	470777.55	3819647.59	9.02E-05	3.79E-04	3.41E-05	7.51E-05	2.78E-04	2.45E-05	8.52E-06	4.88E-05	5.82E-06	7.74E-06	2.55E-05	1.76E-06
8307	470773.84	3819656.31	8.99E-05	3.77E-04	3.40E-05	7.49E-05	2.77E-04	2.44E-05	8.49E-06	4.86E-05	5.80E-06	7.72E-06	2.54E-05	1.75E-06
8308	470770.12	3819665.03	8.95E-05	3.76E-04	3.39E-05	7.46E-05	2.76E-04	2.43E-05	8.46E-06	4.84E-05	5.78E-06	7.69E-06	2.53E-05	1.75E-06
8309	470766.41	3819673.75	8.92E-05	3.75E-04	3.37E-05	7.43E-05	2.75E-04	2.42E-05	8.42E-06	4.82E-05	5.75E-06	7.66E-06	2.52E-05	1.74E-06
8310	470762.7	3819682.47	8.88E-05	3.73E-04	3.36E-05	7.39E-05	2.74E-04	2.41E-05	8.38E-06	4.80E-05	5.73E-06	7.62E-06	2.51E-05	1.73E-06
8311	470758.99	3819691.18	8.84E-05	3.71E-04	3.34E-05	7.36E-05	2.73E-04	2.40E-05	8.34E-06	4.78E-05	5.70E-06	7.58E-06	2.50E-05	1.72E-06
8312	470473.56	3819949.91	1.01E-04	4.23E-04	3.81E-05	8.40E-05	3.11E-04	2.74E-05	9.52E-06	5.45E-05	6.50E-06	8.66E-06	2.85E-05	1.97E-06

8313	470464.76	3819953.43	1.02E-04	4.30E-04	3.87E-05	8.52E-05	3.16E-04	2.78E-05	9.66E-06	5.53E-05	6.60E-06	8.78E-06	2.90E-05	2.00E-06
8314	470455.96	3819956.95	1.04E-04	4.36E-04	3.92E-05	8.64E-05	3.20E-04	2.82E-05	9.80E-06	5.61E-05	6.69E-06	8.90E-06	2.94E-05	2.02E-06
8315	470447.16	3819960.46	1.05E-04	4.42E-04	3.98E-05	8.76E-05	3.25E-04	2.86E-05	9.93E-06	5.69E-05	6.78E-06	9.03E-06	2.98E-05	2.05E-06
8316	470438.36	3819963.98	1.07E-04	4.48E-04	4.03E-05	8.88E-05	3.29E-04	2.89E-05	1.01E-05	5.76E-05	6.88E-06	9.15E-06	3.02E-05	2.08E-06
8317	470429.56	3819967.49	1.08E-04	4.54E-04	4.09E-05	9.00E-05	3.33E-04	2.93E-05	1.02E-05	5.84E-05	6.97E-06	9.27E-06	3.06E-05	2.11E-06
8318	470420.76	3819971.01	1.09E-04	4.59E-04	4.14E-05	9.11E-05	3.38E-04	2.97E-05	1.03E-05	5.91E-05	7.06E-06	9.39E-06	3.10E-05	2.13E-06
8319	470411.96	3819974.52	1.11E-04	4.65E-04	4.19E-05	9.23E-05	3.42E-04	3.01E-05	1.05E-05	5.99E-05	7.14E-06	9.51E-06	3.14E-05	2.16E-06
8320	470403.16	3819978.04	1.12E-04	4.71E-04	4.24E-05	9.33E-05	3.46E-04	3.04E-05	1.06E-05	6.06E-05	7.23E-06	9.62E-06	3.17E-05	2.19E-06
8321	470394.36	3819981.55	1.13E-04	4.76E-04	4.29E-05	9.44E-05	3.50E-04	3.08E-05	1.07E-05	6.13E-05	7.31E-06	9.73E-06	3.21E-05	2.21E-06
8322	470385.56	3819985.07	1.15E-04	4.81E-04	4.33E-05	9.54E-05	3.54E-04	3.11E-05	1.08E-05	6.19E-05	7.39E-06	9.84E-06	3.24E-05	2.24E-06
8323	470376.77	3819988.59	1.16E-04	4.86E-04	4.38E-05	9.64E-05	3.57E-04	3.14E-05	1.09E-05	6.26E-05	7.47E-06	9.94E-06	3.28E-05	2.26E-06
8324	470367.97	3819992.1	1.17E-04	4.91E-04	4.42E-05	9.73E-05	3.61E-04	3.17E-05	1.10E-05	6.32E-05	7.54E-06	1.00E-05	3.31E-05	2.28E-06
8325	470359.17	3819995.62	1.18E-04	4.95E-04	4.46E-05	9.82E-05	3.64E-04	3.20E-05	1.11E-05	6.37E-05	7.61E-06	1.01E-05	3.34E-05	2.30E-06
8326	470350.37	3819999.13	1.19E-04	4.99E-04	4.50E-05	9.90E-05	3.67E-04	3.23E-05	1.12E-05	6.43E-05	7.67E-06	1.02E-05	3.37E-05	2.32E-06
8327	470341.57	3820002.65	1.20E-04	5.03E-04	4.53E-05	9.98E-05	3.70E-04	3.25E-05	1.13E-05	6.48E-05	7.73E-06	1.03E-05	3.39E-05	2.34E-06
8328	470332.77	3820006.16	1.21E-04	5.07E-04	4.57E-05	1.01E-04	3.73E-04	3.28E-05	1.14E-05	6.53E-05	7.79E-06	1.04E-05	3.42E-05	2.36E-06
8329	470323.97	3820009.68	1.22E-04	5.10E-04	4.60E-05	1.01E-04	3.75E-04	3.30E-05	1.15E-05	6.57E-05	7.84E-06	1.04E-05	3.44E-05	2.37E-06
8330	470315.17	3820013.2	1.22E-04	5.14E-04	4.62E-05	1.02E-04	3.77E-04	3.32E-05	1.15E-05	6.61E-05	7.89E-06	1.05E-05	3.46E-05	2.39E-06
8331	470859.23	3819455.8	8.25E-05	3.47E-04	3.12E-05	6.88E-05	2.55E-04	2.24E-05	7.79E-06	4.46E-05	5.32E-06	7.09E-06	2.34E-05	1.61E-06
8332	470859.31	3819446.15	8.25E-05	3.46E-04	3.12E-05	6.87E-05	2.54E-04	2.24E-05	7.79E-06	4.46E-05	5.32E-06	7.08E-06	2.33E-05	1.61E-06
8333	470859.39	3819436.51	8.23E-05	3.46E-04	3.11E-05	6.86E-05	2.54E-04	2.23E-05	7.77E-06	4.45E-05	5.31E-06	7.07E-06	2.33E-05	1.61E-06
8334	470859.48	3819426.86	8.21E-05	3.45E-04	3.10E-05	6.84E-05	2.53E-04	2.23E-05	7.75E-06	4.44E-05	5.29E-06	7.04E-06	2.32E-05	1.60E-06
8335	470859.56	3819417.21	8.18E-05	3.43E-04	3.09E-05	6.81E-05	2.52E-04	2.22E-05	7.72E-06	4.42E-05	5.27E-06	7.02E-06	2.31E-05	1.60E-06
8336	470859.64	3819407.56	8.14E-05	3.42E-04	3.08E-05	6.78E-05	2.51E-04	2.21E-05	7.68E-06	4.40E-05	5.25E-06	6.99E-06	2.30E-05	1.59E-06
8337	470859.73	3819397.91	8.09E-05	3.40E-04	3.06E-05	6.74E-05	2.50E-04	2.20E-05	7.64E-06	4.37E-05	5.22E-06	6.94E-06	2.29E-05	1.58E-06
8338	470859.81	3819388.27	8.03E-05	3.37E-04	3.04E-05	6.69E-05	2.48E-04	2.18E-05	7.59E-06	4.34E-05	5.18E-06	6.90E-06	2.27E-05	1.57E-06
8339	470859.89	3819378.62	7.97E-05	3.35E-04	3.01E-05	6.64E-05	2.46E-04	2.16E-05	7.52E-06	4.31E-05	5.14E-06	6.84E-06	2.26E-05	1.55E-06
8340	470859.97	3819368.97	7.90E-05	3.32E-04	2.99E-05	6.58E-05	2.44E-04	2.14E-05	7.46E-06	4.27E-05	5.09E-06	6.78E-06	2.24E-05	1.54E-06
8341	470860.06	3819359.32	7.82E-05	3.28E-04	2.96E-05	6.51E-05	2.41E-04	2.12E-05	7.38E-06	4.23E-05	5.04E-06	6.71E-06	2.21E-05	1.53E-06
8342	470860.14	3819349.67	7.73E-05	3.25E-04	2.92E-05	6.44E-05	2.39E-04	2.10E-05	7.30E-06	4.18E-05	4.99E-06	6.64E-06	2.19E-05	1.51E-06
8343	470860.22	3819340.02	7.63E-05	3.21E-04	2.89E-05	6.36E-05	2.36E-04	2.07E-05	7.21E-06	4.13E-05	4.92E-06	6.55E-06	2.16E-05	1.49E-06
8344	470860.3	3819330.38	7.53E-05	3.16E-04	2.85E-05	6.27E-05	2.32E-04	2.04E-05	7.11E-06	4.07E-05	4.86E-06	6.47E-06	2.13E-05	1.47E-06
8345	470860.39	3819320.73	7.42E-05	3.12E-04	2.81E-05	6.18E-05	2.29E-04	2.01E-05	7.01E-06	4.01E-05	4.79E-06	6.37E-06	2.10E-05	1.45E-06
8346	470860.47	3819311.08	7.30E-05	3.07E-04	2.76E-05	6.08E-05	2.25E-04	1.98E-05	6.90E-06	3.95E-05	4.71E-06	6.27E-06	2.07E-05	1.43E-06
8347	470860.55	3819301.43	7.18E-05	3.01E-04	2.71E-05	5.98E-05	2.22E-04	1.95E-05	6.78E-06	3.88E-05	4.63E-06	6.16E-06	2.03E-05	1.40E-06
8348	470860.64	3819291.78	7.05E-05	2.96E-04	2.66E-05	5.87E-05	2.17E-04	1.91E-05	6.65E-06	3.81E-05	4.54E-06	6.05E-06	1.99E-05	1.37E-06
8349	470860.72	3819282.14	6.91E-05	2.90E-04	2.61E-05	5.75E-05	2.13E-04	1.88E-05	6.52E-06	3.73E-05	4.46E-06	5.93E-06	1.96E-05	1.35E-06
8350	470860.8	3819272.49	6.77E-05	2.84E-04	2.56E-05	5.63E-05	2.09E-04	1.84E-05	6.39E-06	3.66E-05	4.36E-06	5.81E-06	1.91E-05	1.32E-06
8351	470860.88	3819262.84	6.62E-05	2.78E-04	2.50E-05	5.51E-05	2.04E-04	1.80E-05	6.25E-06	3.58E-05	4.27E-06	5.68E-06	1.87E-05	1.29E-06
8352	470860.97	3819253.19	6.46E-05	2.71E-04	2.44E-05	5.38E-05	1.99E-04	1.75E-05	6.10E-06	3.49E-05	4.17E-06	5.55E-06	1.83E-05	1.26E-06
8353	470861.05	3819243.54	6.30E-05	2.65E-04	2.38E-05	5.25E-05	1.95E-04	1.71E-05	5.95E-06	3.41E-05	4.07E-06	5.41E-06	1.78E-05	1.23E-06
8354	470895.5	3819464.91	7.39E-05	3.11E-04	2.80E-05	6.16E-05	2.28E-04	2.01E-05	6.98E-06	4.00E-05	4.77E-06	6.35E-06	2.09E-05	1.44E-06

8355	470891.77	3819473.67	7.47E-05	3.14E-04	2.83E-05	6.23E-05	2.31E-04	2.03E-05	7.06E-06	4.04E-05	4.82E-06	6.42E-06	2.12E-05	1.46E-06
8356	470888.04	3819482.43	7.55E-05	3.17E-04	2.86E-05	6.29E-05	2.33E-04	2.05E-05	7.13E-06	4.08E-05	4.87E-06	6.48E-06	2.14E-05	1.47E-06
8357	470884.3	3819491.19	7.62E-05	3.20E-04	2.88E-05	6.35E-05	2.35E-04	2.07E-05	7.20E-06	4.12E-05	4.92E-06	6.54E-06	2.16E-05	1.49E-06
8358	470880.57	3819499.95	7.69E-05	3.23E-04	2.91E-05	6.41E-05	2.37E-04	2.09E-05	7.26E-06	4.16E-05	4.96E-06	6.60E-06	2.18E-05	1.50E-06
8359	470876.84	3819508.71	7.76E-05	3.26E-04	2.93E-05	6.46E-05	2.39E-04	2.11E-05	7.32E-06	4.19E-05	5.00E-06	6.66E-06	2.20E-05	1.51E-06
8360	470873.11	3819517.46	7.81E-05	3.28E-04	2.96E-05	6.51E-05	2.41E-04	2.12E-05	7.38E-06	4.22E-05	5.04E-06	6.71E-06	2.21E-05	1.52E-06
8361	470869.38	3819526.22	7.87E-05	3.30E-04	2.98E-05	6.55E-05	2.43E-04	2.14E-05	7.43E-06	4.25E-05	5.08E-06	6.75E-06	2.23E-05	1.54E-06
8362	470865.65	3819534.98	7.92E-05	3.33E-04	2.99E-05	6.60E-05	2.44E-04	2.15E-05	7.48E-06	4.28E-05	5.11E-06	6.80E-06	2.24E-05	1.54E-06
8363	470861.92	3819543.74	7.96E-05	3.34E-04	3.01E-05	6.63E-05	2.46E-04	2.16E-05	7.52E-06	4.30E-05	5.14E-06	6.84E-06	2.25E-05	1.55E-06
8364	470858.19	3819552.5	8.00E-05	3.36E-04	3.03E-05	6.66E-05	2.47E-04	2.17E-05	7.56E-06	4.33E-05	5.16E-06	6.87E-06	2.26E-05	1.56E-06
8365	470854.46	3819561.26	8.04E-05	3.37E-04	3.04E-05	6.69E-05	2.48E-04	2.18E-05	7.59E-06	4.34E-05	5.18E-06	6.90E-06	2.27E-05	1.57E-06
8366	470850.73	3819570.02	8.06E-05	3.39E-04	3.05E-05	6.72E-05	2.49E-04	2.19E-05	7.61E-06	4.36E-05	5.20E-06	6.92E-06	2.28E-05	1.57E-06
8367	470835.81	3819605.06	8.13E-05	3.41E-04	3.07E-05	6.77E-05	2.51E-04	2.21E-05	7.67E-06	4.39E-05	5.24E-06	6.98E-06	2.30E-05	1.59E-06
8368	470832.08	3819613.82	8.13E-05	3.41E-04	3.08E-05	6.77E-05	2.51E-04	2.21E-05	7.68E-06	4.40E-05	5.24E-06	6.98E-06	2.30E-05	1.59E-06
8369	470828.35	3819622.58	8.13E-05	3.41E-04	3.07E-05	6.77E-05	2.51E-04	2.21E-05	7.68E-06	4.40E-05	5.24E-06	6.98E-06	2.30E-05	1.59E-06
8370	470824.62	3819631.34	8.12E-05	3.41E-04	3.07E-05	6.77E-05	2.51E-04	2.21E-05	7.67E-06	4.39E-05	5.24E-06	6.97E-06	2.30E-05	1.59E-06
8371	470820.88	3819640.1	8.11E-05	3.41E-04	3.07E-05	6.76E-05	2.50E-04	2.20E-05	7.66E-06	4.39E-05	5.23E-06	6.97E-06	2.30E-05	1.58E-06
8372	470817.15	3819648.86	8.10E-05	3.40E-04	3.06E-05	6.75E-05	2.50E-04	2.20E-05	7.65E-06	4.38E-05	5.22E-06	6.95E-06	2.29E-05	1.58E-06
8373	470813.42	3819657.62	8.08E-05	3.39E-04	3.06E-05	6.73E-05	2.49E-04	2.19E-05	7.63E-06	4.37E-05	5.21E-06	6.94E-06	2.29E-05	1.58E-06
8374	470809.69	3819666.38	8.06E-05	3.39E-04	3.05E-05	6.72E-05	2.49E-04	2.19E-05	7.61E-06	4.36E-05	5.20E-06	6.92E-06	2.28E-05	1.57E-06
8375	470805.96	3819675.14	8.04E-05	3.38E-04	3.04E-05	6.69E-05	2.48E-04	2.18E-05	7.59E-06	4.35E-05	5.18E-06	6.90E-06	2.28E-05	1.57E-06
8376	470802.23	3819683.9	8.01E-05	3.36E-04	3.03E-05	6.67E-05	2.47E-04	2.17E-05	7.56E-06	4.33E-05	5.17E-06	6.88E-06	2.27E-05	1.56E-06
8377	470798.5	3819692.66	7.98E-05	3.35E-04	3.02E-05	6.65E-05	2.46E-04	2.17E-05	7.53E-06	4.31E-05	5.15E-06	6.85E-06	2.26E-05	1.56E-06
8378	470794.77	3819701.42	7.95E-05	3.34E-04	3.01E-05	6.62E-05	2.45E-04	2.16E-05	7.50E-06	4.30E-05	5.13E-06	6.82E-06	2.25E-05	1.55E-06
8379	470791.04	3819710.18	7.91E-05	3.32E-04	2.99E-05	6.59E-05	2.44E-04	2.15E-05	7.47E-06	4.28E-05	5.10E-06	6.79E-06	2.24E-05	1.54E-06
8380	470473.98	3819989.52	9.29E-05	3.90E-04	3.51E-05	7.74E-05	2.87E-04	2.52E-05	8.77E-06	5.02E-05	5.99E-06	7.98E-06	2.63E-05	1.81E-06
8381	470465.13	3819993.05	9.42E-05	3.96E-04	3.56E-05	7.85E-05	2.91E-04	2.56E-05	8.89E-06	5.09E-05	6.08E-06	8.09E-06	2.67E-05	1.84E-06
8382	470456.29	3819996.59	9.55E-05	4.01E-04	3.61E-05	7.95E-05	2.95E-04	2.59E-05	9.01E-06	5.16E-05	6.16E-06	8.20E-06	2.70E-05	1.86E-06
8383	470447.45	3820000.12	9.67E-05	4.06E-04	3.66E-05	8.06E-05	2.98E-04	2.63E-05	9.13E-06	5.23E-05	6.24E-06	8.30E-06	2.74E-05	1.89E-06
8384	470438.61	3820003.65	9.80E-05	4.11E-04	3.71E-05	8.16E-05	3.02E-04	2.66E-05	9.25E-06	5.30E-05	6.32E-06	8.41E-06	2.77E-05	1.91E-06
8385	470429.77	3820007.18	9.92E-05	4.17E-04	3.75E-05	8.26E-05	3.06E-04	2.69E-05	9.37E-06	5.36E-05	6.40E-06	8.51E-06	2.81E-05	1.94E-06
8386	470305.99	3820056.64	1.11E-04	4.67E-04	4.21E-05	9.27E-05	3.43E-04	3.02E-05	1.05E-05	6.02E-05	7.18E-06	9.56E-06	3.15E-05	2.17E-06
8387	470899.23	3819456.15	7.31E-05	3.07E-04	2.76E-05	6.09E-05	2.26E-04	1.98E-05	6.90E-06	3.95E-05	4.71E-06	6.27E-06	2.07E-05	1.43E-06
8388	470899.31	3819446.5	7.30E-05	3.07E-04	2.76E-05	6.08E-05	2.25E-04	1.98E-05	6.89E-06	3.95E-05	4.71E-06	6.27E-06	2.07E-05	1.42E-06
8389	470899.39	3819436.85	7.28E-05	3.06E-04	2.75E-05	6.07E-05	2.25E-04	1.98E-05	6.88E-06	3.94E-05	4.70E-06	6.25E-06	2.06E-05	1.42E-06
8390	470899.48	3819427.2	7.26E-05	3.05E-04	2.75E-05	6.05E-05	2.24E-04	1.97E-05	6.85E-06	3.92E-05	4.68E-06	6.23E-06	2.05E-05	1.42E-06
8391	470899.56	3819417.55	7.23E-05	3.04E-04	2.73E-05	6.02E-05	2.23E-04	1.96E-05	6.83E-06	3.91E-05	4.66E-06	6.21E-06	2.05E-05	1.41E-06
8392	470899.64	3819407.91	7.20E-05	3.02E-04	2.72E-05	5.99E-05	2.22E-04	1.95E-05	6.79E-06	3.89E-05	4.64E-06	6.18E-06	2.04E-05	1.40E-06
8393	470899.72	3819398.26	7.15E-05	3.00E-04	2.71E-05	5.96E-05	2.21E-04	1.94E-05	6.75E-06	3.87E-05	4.61E-06	6.14E-06	2.02E-05	1.40E-06
8394	470899.81	3819388.61	7.10E-05	2.98E-04	2.69E-05	5.92E-05	2.19E-04	1.93E-05	6.71E-06	3.84E-05	4.58E-06	6.10E-06	2.01E-05	1.39E-06
8395	470899.89	3819378.96	7.05E-05	2.96E-04	2.67E-05	5.87E-05	2.18E-04	1.91E-05	6.66E-06	3.81E-05	4.55E-06	6.05E-06	2.00E-05	1.38E-06
8396	470899.97	3819369.31	6.99E-05	2.93E-04	2.64E-05	5.82E-05	2.16E-04	1.90E-05	6.60E-06	3.78E-05	4.51E-06	6.00E-06	1.98E-05	1.36E-06

8397	470900.05	3819359.66	6.92E-05	2.91E-04	2.62E-05	5.77E-05	2.14E-04	1.88E-05	6.54E-06	3.74E-05	4.46E-06	5.94E-06	1.96E-05	1.35E-06
8398	470900.14	3819350.02	6.85E-05	2.88E-04	2.59E-05	5.70E-05	2.11E-04	1.86E-05	6.47E-06	3.70E-05	4.42E-06	5.88E-06	1.94E-05	1.34E-06
8399	470900.22	3819340.37	6.77E-05	2.84E-04	2.56E-05	5.64E-05	2.09E-04	1.84E-05	6.39E-06	3.66E-05	4.37E-06	5.81E-06	1.92E-05	1.32E-06
8400	470900.3	3819330.72	6.68E-05	2.81E-04	2.53E-05	5.56E-05	2.06E-04	1.81E-05	6.31E-06	3.61E-05	4.31E-06	5.74E-06	1.89E-05	1.30E-06
8401	470900.39	3819321.07	6.59E-05	2.77E-04	2.49E-05	5.49E-05	2.03E-04	1.79E-05	6.22E-06	3.56E-05	4.25E-06	5.66E-06	1.86E-05	1.29E-06
8402	470900.47	3819311.42	6.49E-05	2.73E-04	2.45E-05	5.41E-05	2.00E-04	1.76E-05	6.13E-06	3.51E-05	4.19E-06	5.57E-06	1.84E-05	1.27E-06
8403	470900.55	3819301.78	6.39E-05	2.68E-04	2.42E-05	5.32E-05	1.97E-04	1.73E-05	6.03E-06	3.45E-05	4.12E-06	5.48E-06	1.81E-05	1.25E-06
8404	470900.63	3819292.13	6.28E-05	2.64E-04	2.37E-05	5.23E-05	1.94E-04	1.70E-05	5.93E-06	3.39E-05	4.05E-06	5.39E-06	1.78E-05	1.22E-06
8405	470900.72	3819282.48	6.16E-05	2.59E-04	2.33E-05	5.13E-05	1.90E-04	1.67E-05	5.82E-06	3.33E-05	3.97E-06	5.29E-06	1.74E-05	1.20E-06
8406	470900.8	3819272.83	6.04E-05	2.54E-04	2.28E-05	5.03E-05	1.86E-04	1.64E-05	5.70E-06	3.27E-05	3.90E-06	5.19E-06	1.71E-05	1.18E-06
8407	470900.88	3819263.18	5.92E-05	2.48E-04	2.24E-05	4.93E-05	1.83E-04	1.61E-05	5.59E-06	3.20E-05	3.82E-06	5.08E-06	1.67E-05	1.15E-06
8408	470900.96	3819253.53	5.79E-05	2.43E-04	2.19E-05	4.82E-05	1.79E-04	1.57E-05	5.47E-06	3.13E-05	3.73E-06	4.97E-06	1.64E-05	1.13E-06
8409	470901.05	3819243.89	5.66E-05	2.38E-04	2.14E-05	4.71E-05	1.75E-04	1.54E-05	5.34E-06	3.06E-05	3.65E-06	4.86E-06	1.60E-05	1.10E-06
8410	470935.48	3819465.29	6.59E-05	2.77E-04	2.49E-05	5.49E-05	2.03E-04	1.79E-05	6.22E-06	3.56E-05	4.25E-06	5.66E-06	1.86E-05	1.29E-06
8411	470931.73	3819474.08	6.66E-05	2.80E-04	2.52E-05	5.55E-05	2.06E-04	1.81E-05	6.29E-06	3.60E-05	4.30E-06	5.72E-06	1.89E-05	1.30E-06
8412	470927.99	3819482.88	6.73E-05	2.83E-04	2.54E-05	5.60E-05	2.08E-04	1.83E-05	6.35E-06	3.64E-05	4.34E-06	5.78E-06	1.90E-05	1.31E-06
8413	470924.24	3819491.68	6.79E-05	2.85E-04	2.57E-05	5.66E-05	2.10E-04	1.84E-05	6.42E-06	3.67E-05	4.38E-06	5.83E-06	1.92E-05	1.33E-06
8414	470920.49	3819500.47	6.86E-05	2.88E-04	2.59E-05	5.71E-05	2.12E-04	1.86E-05	6.47E-06	3.71E-05	4.42E-06	5.88E-06	1.94E-05	1.34E-06
8415	470916.75	3819509.27	6.91E-05	2.90E-04	2.61E-05	5.76E-05	2.13E-04	1.88E-05	6.53E-06	3.74E-05	4.46E-06	5.93E-06	1.96E-05	1.35E-06
8416	470913	3819518.07	6.97E-05	2.93E-04	2.64E-05	5.80E-05	2.15E-04	1.89E-05	6.58E-06	3.77E-05	4.49E-06	5.98E-06	1.97E-05	1.36E-06
8417	470909.25	3819526.87	7.02E-05	2.95E-04	2.65E-05	5.85E-05	2.17E-04	1.91E-05	6.63E-06	3.79E-05	4.53E-06	6.03E-06	1.99E-05	1.37E-06
8418	470905.51	3819535.66	7.07E-05	2.97E-04	2.67E-05	5.89E-05	2.18E-04	1.92E-05	6.67E-06	3.82E-05	4.56E-06	6.07E-06	2.00E-05	1.38E-06
8419	470901.76	3819544.46	7.11E-05	2.99E-04	2.69E-05	5.92E-05	2.19E-04	1.93E-05	6.71E-06	3.84E-05	4.59E-06	6.10E-06	2.01E-05	1.39E-06
8420	470898.01	3819553.26	7.15E-05	3.00E-04	2.70E-05	5.95E-05	2.21E-04	1.94E-05	6.75E-06	3.86E-05	4.61E-06	6.14E-06	2.02E-05	1.39E-06
8421	470894.27	3819562.06	7.18E-05	3.02E-04	2.72E-05	5.98E-05	2.22E-04	1.95E-05	6.78E-06	3.88E-05	4.63E-06	6.17E-06	2.03E-05	1.40E-06
8422	470890.52	3819570.85	7.21E-05	3.03E-04	2.73E-05	6.01E-05	2.23E-04	1.96E-05	6.81E-06	3.90E-05	4.65E-06	6.19E-06	2.04E-05	1.41E-06
8423	470886.77	3819579.65	7.24E-05	3.04E-04	2.74E-05	6.03E-05	2.23E-04	1.97E-05	6.84E-06	3.91E-05	4.67E-06	6.22E-06	2.05E-05	1.41E-06
8424	470883.03	3819588.45	7.26E-05	3.05E-04	2.75E-05	6.05E-05	2.24E-04	1.97E-05	6.86E-06	3.93E-05	4.68E-06	6.23E-06	2.06E-05	1.42E-06
8425	470879.28	3819597.24	7.28E-05	3.06E-04	2.75E-05	6.06E-05	2.25E-04	1.98E-05	6.88E-06	3.94E-05	4.70E-06	6.25E-06	2.06E-05	1.42E-06
8426	470864.3	3819632.43	7.31E-05	3.07E-04	2.77E-05	6.09E-05	2.26E-04	1.98E-05	6.90E-06	3.95E-05	4.72E-06	6.28E-06	2.07E-05	1.43E-06
8427	470860.55	3819641.23	7.31E-05	3.07E-04	2.76E-05	6.09E-05	2.26E-04	1.98E-05	6.90E-06	3.95E-05	4.72E-06	6.28E-06	2.07E-05	1.43E-06
8428	470856.8	3819650.03	7.30E-05	3.07E-04	2.76E-05	6.08E-05	2.25E-04	1.98E-05	6.90E-06	3.95E-05	4.71E-06	6.27E-06	2.07E-05	1.43E-06
8429	470853.06	3819658.82	7.30E-05	3.06E-04	2.76E-05	6.08E-05	2.25E-04	1.98E-05	6.89E-06	3.94E-05	4.71E-06	6.26E-06	2.07E-05	1.42E-06
8430	470849.31	3819667.62	7.28E-05	3.06E-04	2.75E-05	6.07E-05	2.25E-04	1.98E-05	6.88E-06	3.94E-05	4.70E-06	6.25E-06	2.06E-05	1.42E-06
8431	470845.56	3819676.42	7.27E-05	3.05E-04	2.75E-05	6.05E-05	2.24E-04	1.97E-05	6.86E-06	3.93E-05	4.69E-06	6.24E-06	2.06E-05	1.42E-06
8432	470841.82	3819685.22	7.25E-05	3.04E-04	2.74E-05	6.04E-05	2.24E-04	1.97E-05	6.85E-06	3.92E-05	4.68E-06	6.22E-06	2.05E-05	1.41E-06
8433	470838.07	3819694.01	7.23E-05	3.04E-04	2.73E-05	6.02E-05	2.23E-04	1.96E-05	6.83E-06	3.91E-05	4.66E-06	6.21E-06	2.05E-05	1.41E-06
8434	470834.32	3819702.81	7.21E-05	3.03E-04	2.73E-05	6.00E-05	2.22E-04	1.96E-05	6.80E-06	3.90E-05	4.65E-06	6.19E-06	2.04E-05	1.41E-06
8435	470830.58	3819711.61	7.18E-05	3.02E-04	2.72E-05	5.98E-05	2.22E-04	1.95E-05	6.78E-06	3.88E-05	4.63E-06	6.16E-06	2.03E-05	1.40E-06
8436	470826.83	3819720.4	7.15E-05	3.00E-04	2.70E-05	5.96E-05	2.21E-04	1.94E-05	6.75E-06	3.87E-05	4.61E-06	6.14E-06	2.02E-05	1.40E-06
8437	470403.25	3820057.55	9.41E-05	3.95E-04	3.56E-05	7.84E-05	2.90E-04	2.56E-05	8.89E-06	5.09E-05	6.07E-06	8.08E-06	2.66E-05	1.84E-06
8438	470394.37	3820061.1	9.50E-05	3.99E-04	3.59E-05	7.91E-05	2.93E-04	2.58E-05	8.97E-06	5.14E-05	6.13E-06	8.15E-06	2.69E-05	1.85E-06

8439	470385.49	3820064.65	9.58E-05	4.02E-04	3.62E-05	7.98E-05	2.96E-04	2.60E-05	9.05E-06	5.18E-05	6.18E-06	8.22E-06	2.71E-05	1.87E-06
8440	470376.61	3820068.19	9.66E-05	4.06E-04	3.65E-05	8.04E-05	2.98E-04	2.62E-05	9.12E-06	5.22E-05	6.23E-06	8.29E-06	2.73E-05	1.88E-06
8441	470367.73	3820071.74	9.73E-05	4.09E-04	3.68E-05	8.10E-05	3.00E-04	2.64E-05	9.19E-06	5.26E-05	6.28E-06	8.35E-06	2.75E-05	1.90E-06
8442	470358.86	3820075.29	9.80E-05	4.11E-04	3.71E-05	8.16E-05	3.02E-04	2.66E-05	9.25E-06	5.30E-05	6.32E-06	8.41E-06	2.77E-05	1.91E-06
8443	470349.98	3820078.84	9.86E-05	4.14E-04	3.73E-05	8.21E-05	3.04E-04	2.68E-05	9.31E-06	5.33E-05	6.36E-06	8.47E-06	2.79E-05	1.92E-06
8444	470341.1	3820082.38	9.92E-05	4.17E-04	3.75E-05	8.27E-05	3.06E-04	2.69E-05	9.37E-06	5.36E-05	6.40E-06	8.52E-06	2.81E-05	1.94E-06
8445	470332.22	3820085.93	9.98E-05	4.19E-04	3.77E-05	8.31E-05	3.08E-04	2.71E-05	9.42E-06	5.40E-05	6.44E-06	8.57E-06	2.83E-05	1.95E-06
8446	470323.34	3820089.48	1.00E-04	4.21E-04	3.79E-05	8.36E-05	3.10E-04	2.72E-05	9.48E-06	5.42E-05	6.47E-06	8.61E-06	2.84E-05	1.96E-06
8447	470314.46	3820093.03	1.01E-04	4.24E-04	3.81E-05	8.40E-05	3.11E-04	2.74E-05	9.52E-06	5.45E-05	6.50E-06	8.66E-06	2.85E-05	1.97E-06
8448	470305.58	3820096.58	1.01E-04	4.26E-04	3.83E-05	8.44E-05	3.13E-04	2.75E-05	9.57E-06	5.48E-05	6.54E-06	8.70E-06	2.87E-05	1.98E-06
8449	470939.23	3819456.49	6.51E-05	2.74E-04	2.46E-05	5.43E-05	2.01E-04	1.77E-05	6.15E-06	3.52E-05	4.20E-06	5.59E-06	1.84E-05	1.27E-06
8450	470939.31	3819446.84	6.50E-05	2.73E-04	2.46E-05	5.42E-05	2.01E-04	1.76E-05	6.14E-06	3.51E-05	4.19E-06	5.58E-06	1.84E-05	1.27E-06
8451	470939.39	3819437.19	6.49E-05	2.72E-04	2.45E-05	5.40E-05	2.00E-04	1.76E-05	6.12E-06	3.51E-05	4.18E-06	5.57E-06	1.84E-05	1.27E-06
8452	470939.47	3819427.54	6.46E-05	2.71E-04	2.44E-05	5.38E-05	1.99E-04	1.75E-05	6.10E-06	3.49E-05	4.17E-06	5.55E-06	1.83E-05	1.26E-06
8453	470939.56	3819417.9	6.44E-05	2.70E-04	2.43E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
8454	470939.64	3819408.25	6.41E-05	2.69E-04	2.42E-05	5.34E-05	1.98E-04	1.74E-05	6.05E-06	3.46E-05	4.13E-06	5.50E-06	1.81E-05	1.25E-06
8455	470939.72	3819398.6	6.37E-05	2.67E-04	2.41E-05	5.31E-05	1.97E-04	1.73E-05	6.01E-06	3.44E-05	4.11E-06	5.47E-06	1.80E-05	1.24E-06
8456	470939.8	3819388.95	6.33E-05	2.66E-04	2.39E-05	5.27E-05	1.95E-04	1.72E-05	5.98E-06	3.42E-05	4.08E-06	5.43E-06	1.79E-05	1.23E-06
8457	470939.89	3819379.3	6.28E-05	2.64E-04	2.38E-05	5.23E-05	1.94E-04	1.70E-05	5.93E-06	3.40E-05	4.05E-06	5.39E-06	1.78E-05	1.23E-06
8458	470939.97	3819369.66	6.23E-05	2.62E-04	2.36E-05	5.19E-05	1.92E-04	1.69E-05	5.88E-06	3.37E-05	4.02E-06	5.35E-06	1.76E-05	1.22E-06
8459	470940.05	3819360.01	6.17E-05	2.59E-04	2.33E-05	5.14E-05	1.90E-04	1.68E-05	5.83E-06	3.34E-05	3.98E-06	5.30E-06	1.75E-05	1.20E-06
8460	470940.14	3819350.36	6.11E-05	2.57E-04	2.31E-05	5.09E-05	1.88E-04	1.66E-05	5.77E-06	3.30E-05	3.94E-06	5.24E-06	1.73E-05	1.19E-06
8461	470940.22	3819340.71	6.04E-05	2.54E-04	2.28E-05	5.03E-05	1.86E-04	1.64E-05	5.70E-06	3.27E-05	3.90E-06	5.19E-06	1.71E-05	1.18E-06
8462	470940.3	3819331.06	5.97E-05	2.51E-04	2.26E-05	4.97E-05	1.84E-04	1.62E-05	5.64E-06	3.23E-05	3.85E-06	5.12E-06	1.69E-05	1.16E-06
8463	470940.38	3819321.41	5.89E-05	2.47E-04	2.23E-05	4.91E-05	1.82E-04	1.60E-05	5.56E-06	3.18E-05	3.80E-06	5.06E-06	1.67E-05	1.15E-06
8464	470940.47	3819311.77	5.81E-05	2.44E-04	2.20E-05	4.84E-05	1.79E-04	1.58E-05	5.48E-06	3.14E-05	3.74E-06	4.98E-06	1.64E-05	1.13E-06
8465	470940.55	3819302.12	5.72E-05	2.40E-04	2.16E-05	4.76E-05	1.76E-04	1.55E-05	5.40E-06	3.09E-05	3.69E-06	4.91E-06	1.62E-05	1.12E-06
8466	470940.63	3819292.47	5.62E-05	2.36E-04	2.13E-05	4.68E-05	1.74E-04	1.53E-05	5.31E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
8467	470940.71	3819282.82	5.53E-05	2.32E-04	2.09E-05	4.60E-05	1.71E-04	1.50E-05	5.22E-06	2.99E-05	3.57E-06	4.75E-06	1.56E-05	1.08E-06
8468	470940.8	3819273.17	5.43E-05	2.28E-04	2.05E-05	4.52E-05	1.67E-04	1.47E-05	5.12E-06	2.93E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
8469	470940.88	3819263.53	5.32E-05	2.24E-04	2.01E-05	4.43E-05	1.64E-04	1.44E-05	5.03E-06	2.88E-05	3.43E-06	4.57E-06	1.51E-05	1.04E-06
8470	470940.96	3819253.88	5.21E-05	2.19E-04	1.97E-05	4.34E-05	1.61E-04	1.42E-05	4.92E-06	2.82E-05	3.36E-06	4.48E-06	1.48E-05	1.02E-06
8471	470941.05	3819244.23	5.10E-05	2.14E-04	1.93E-05	4.25E-05	1.57E-04	1.39E-05	4.82E-06	2.76E-05	3.29E-06	4.38E-06	1.44E-05	9.96E-07
8472	470975.46	3819465.66	5.90E-05	2.48E-04	2.23E-05	4.92E-05	1.82E-04	1.60E-05	5.58E-06	3.19E-05	3.81E-06	5.07E-06	1.67E-05	1.15E-06
8473	470971.7	3819474.49	5.97E-05	2.51E-04	2.26E-05	4.97E-05	1.84E-04	1.62E-05	5.64E-06	3.23E-05	3.85E-06	5.12E-06	1.69E-05	1.16E-06
8474	470967.94	3819483.32	6.03E-05	2.53E-04	2.28E-05	5.02E-05	1.86E-04	1.64E-05	5.69E-06	3.26E-05	3.89E-06	5.18E-06	1.71E-05	1.18E-06
8475	470964.18	3819492.15	6.09E-05	2.56E-04	2.30E-05	5.07E-05	1.88E-04	1.65E-05	5.75E-06	3.29E-05	3.93E-06	5.23E-06	1.72E-05	1.19E-06
8476	470960.42	3819500.98	6.14E-05	2.58E-04	2.32E-05	5.12E-05	1.90E-04	1.67E-05	5.80E-06	3.32E-05	3.96E-06	5.27E-06	1.74E-05	1.20E-06
8477	470956.66	3819509.81	6.20E-05	2.60E-04	2.34E-05	5.16E-05	1.91E-04	1.68E-05	5.85E-06	3.35E-05	4.00E-06	5.32E-06	1.75E-05	1.21E-06
8478	470952.9	3819518.65	6.25E-05	2.62E-04	2.36E-05	5.20E-05	1.93E-04	1.70E-05	5.90E-06	3.38E-05	4.03E-06	5.36E-06	1.77E-05	1.22E-06
8479	470949.14	3819527.48	6.29E-05	2.64E-04	2.38E-05	5.24E-05	1.94E-04	1.71E-05	5.94E-06	3.40E-05	4.06E-06	5.40E-06	1.78E-05	1.23E-06
8480	470945.38	3819536.31	6.34E-05	2.66E-04	2.40E-05	5.28E-05	1.96E-04	1.72E-05	5.98E-06	3.43E-05	4.09E-06	5.44E-06	1.79E-05	1.24E-06

8481	470941.62	3819545.14	6.38E-05	2.68E-04	2.41E-05	5.31E-05	1.97E-04	1.73E-05	6.02E-06	3.45E-05	4.11E-06	5.48E-06	1.81E-05	1.24E-06
8482	470937.86	3819553.97	6.42E-05	2.70E-04	2.43E-05	5.35E-05	1.98E-04	1.74E-05	6.06E-06	3.47E-05	4.14E-06	5.51E-06	1.82E-05	1.25E-06
8483	470934.1	3819562.8	6.45E-05	2.71E-04	2.44E-05	5.37E-05	1.99E-04	1.75E-05	6.09E-06	3.49E-05	4.16E-06	5.54E-06	1.83E-05	1.26E-06
8484	470930.34	3819571.63	6.48E-05	2.72E-04	2.45E-05	5.40E-05	2.00E-04	1.76E-05	6.12E-06	3.50E-05	4.18E-06	5.57E-06	1.84E-05	1.27E-06
8485	470926.57	3819580.46	6.51E-05	2.73E-04	2.46E-05	5.42E-05	2.01E-04	1.77E-05	6.15E-06	3.52E-05	4.20E-06	5.59E-06	1.84E-05	1.27E-06
8486	470922.81	3819589.29	6.54E-05	2.74E-04	2.47E-05	5.44E-05	2.02E-04	1.77E-05	6.17E-06	3.53E-05	4.22E-06	5.61E-06	1.85E-05	1.28E-06
8487	470919.05	3819598.12	6.56E-05	2.75E-04	2.48E-05	5.46E-05	2.02E-04	1.78E-05	6.19E-06	3.54E-05	4.23E-06	5.63E-06	1.86E-05	1.28E-06
8488	470915.29	3819606.95	6.57E-05	2.76E-04	2.49E-05	5.48E-05	2.03E-04	1.78E-05	6.21E-06	3.55E-05	4.24E-06	5.64E-06	1.86E-05	1.28E-06
8489	470911.53	3819615.78	6.59E-05	2.77E-04	2.49E-05	5.49E-05	2.03E-04	1.79E-05	6.22E-06	3.56E-05	4.25E-06	5.66E-06	1.87E-05	1.29E-06
8490	470907.77	3819624.61	6.60E-05	2.77E-04	2.50E-05	5.50E-05	2.04E-04	1.79E-05	6.23E-06	3.57E-05	4.26E-06	5.67E-06	1.87E-05	1.29E-06
8491	470896.49	3819651.1	6.61E-05	2.78E-04	2.50E-05	5.51E-05	2.04E-04	1.79E-05	6.24E-06	3.57E-05	4.26E-06	5.68E-06	1.87E-05	1.29E-06
8492	470892.73	3819659.93	6.61E-05	2.78E-04	2.50E-05	5.50E-05	2.04E-04	1.79E-05	6.24E-06	3.57E-05	4.26E-06	5.67E-06	1.87E-05	1.29E-06
8493	470888.97	3819668.76	6.60E-05	2.77E-04	2.50E-05	5.50E-05	2.04E-04	1.79E-05	6.24E-06	3.57E-05	4.26E-06	5.67E-06	1.87E-05	1.29E-06
8494	470885.21	3819677.59	6.59E-05	2.77E-04	2.49E-05	5.49E-05	2.04E-04	1.79E-05	6.23E-06	3.57E-05	4.25E-06	5.66E-06	1.87E-05	1.29E-06
8495	470881.45	3819686.43	6.58E-05	2.76E-04	2.49E-05	5.48E-05	2.03E-04	1.79E-05	6.22E-06	3.56E-05	4.25E-06	5.65E-06	1.86E-05	1.28E-06
8496	470877.69	3819695.26	6.57E-05	2.76E-04	2.48E-05	5.47E-05	2.03E-04	1.78E-05	6.20E-06	3.55E-05	4.24E-06	5.64E-06	1.86E-05	1.28E-06
8497	470873.93	3819704.09	6.55E-05	2.75E-04	2.48E-05	5.46E-05	2.02E-04	1.78E-05	6.19E-06	3.54E-05	4.23E-06	5.63E-06	1.86E-05	1.28E-06
8498	470870.16	3819712.92	6.54E-05	2.75E-04	2.47E-05	5.44E-05	2.02E-04	1.77E-05	6.17E-06	3.53E-05	4.22E-06	5.61E-06	1.85E-05	1.28E-06
8499	470866.4	3819721.75	6.52E-05	2.74E-04	2.46E-05	5.43E-05	2.01E-04	1.77E-05	6.15E-06	3.52E-05	4.20E-06	5.59E-06	1.84E-05	1.27E-06
8500	470862.64	3819730.58	6.49E-05	2.73E-04	2.46E-05	5.41E-05	2.00E-04	1.76E-05	6.13E-06	3.51E-05	4.19E-06	5.58E-06	1.84E-05	1.27E-06
8501	470858.88	3819739.41	6.47E-05	2.72E-04	2.45E-05	5.39E-05	2.00E-04	1.76E-05	6.11E-06	3.50E-05	4.17E-06	5.56E-06	1.83E-05	1.26E-06
8502	470855.12	3819748.24	6.45E-05	2.71E-04	2.44E-05	5.37E-05	1.99E-04	1.75E-05	6.09E-06	3.48E-05	4.16E-06	5.53E-06	1.82E-05	1.26E-06
8503	470851.36	3819757.07	6.42E-05	2.70E-04	2.43E-05	5.35E-05	1.98E-04	1.74E-05	6.06E-06	3.47E-05	4.14E-06	5.51E-06	1.82E-05	1.25E-06
8504	470581.46	3820026.12	6.84E-05	2.87E-04	2.59E-05	5.70E-05	2.11E-04	1.86E-05	6.46E-06	3.70E-05	4.41E-06	5.87E-06	1.94E-05	1.33E-06
8505	470572.54	3820029.68	6.92E-05	2.91E-04	2.62E-05	5.77E-05	2.14E-04	1.88E-05	6.54E-06	3.74E-05	4.47E-06	5.94E-06	1.96E-05	1.35E-06
8506	470563.63	3820033.25	7.01E-05	2.95E-04	2.65E-05	5.84E-05	2.16E-04	1.90E-05	6.62E-06	3.79E-05	4.52E-06	6.02E-06	1.99E-05	1.37E-06
8507	470554.72	3820036.81	7.10E-05	2.98E-04	2.69E-05	5.92E-05	2.19E-04	1.93E-05	6.71E-06	3.84E-05	4.58E-06	6.10E-06	2.01E-05	1.39E-06
8508	470545.8	3820040.37	7.20E-05	3.02E-04	2.72E-05	6.00E-05	2.22E-04	1.95E-05	6.80E-06	3.89E-05	4.64E-06	6.18E-06	2.04E-05	1.40E-06
8509	470536.89	3820043.93	7.29E-05	3.06E-04	2.76E-05	6.07E-05	2.25E-04	1.98E-05	6.89E-06	3.94E-05	4.70E-06	6.26E-06	2.06E-05	1.42E-06
8510	470527.98	3820047.49	7.39E-05	3.10E-04	2.79E-05	6.16E-05	2.28E-04	2.01E-05	6.98E-06	4.00E-05	4.77E-06	6.34E-06	2.09E-05	1.44E-06
8511	470519.07	3820051.05	7.49E-05	3.15E-04	2.83E-05	6.24E-05	2.31E-04	2.03E-05	7.07E-06	4.05E-05	4.83E-06	6.43E-06	2.12E-05	1.46E-06
8512	470510.15	3820054.61	7.59E-05	3.19E-04	2.87E-05	6.32E-05	2.34E-04	2.06E-05	7.17E-06	4.10E-05	4.90E-06	6.52E-06	2.15E-05	1.48E-06
8513	470501.24	3820058.17	7.69E-05	3.23E-04	2.91E-05	6.41E-05	2.37E-04	2.09E-05	7.27E-06	4.16E-05	4.96E-06	6.61E-06	2.18E-05	1.50E-06
8514	470492.33	3820061.73	7.79E-05	3.27E-04	2.95E-05	6.49E-05	2.40E-04	2.12E-05	7.36E-06	4.21E-05	5.03E-06	6.69E-06	2.21E-05	1.52E-06
8515	470483.41	3820065.3	7.89E-05	3.31E-04	2.98E-05	6.57E-05	2.43E-04	2.14E-05	7.45E-06	4.27E-05	5.09E-06	6.77E-06	2.23E-05	1.54E-06
8516	470474.5	3820068.86	7.99E-05	3.35E-04	3.02E-05	6.65E-05	2.46E-04	2.17E-05	7.54E-06	4.32E-05	5.15E-06	6.86E-06	2.26E-05	1.56E-06
8517	470465.59	3820072.42	8.08E-05	3.39E-04	3.06E-05	6.73E-05	2.49E-04	2.19E-05	7.63E-06	4.37E-05	5.21E-06	6.94E-06	2.29E-05	1.58E-06
8518	470456.68	3820075.98	8.18E-05	3.43E-04	3.09E-05	6.81E-05	2.52E-04	2.22E-05	7.72E-06	4.42E-05	5.27E-06	7.02E-06	2.31E-05	1.60E-06
8519	470447.76	3820079.54	8.27E-05	3.47E-04	3.13E-05	6.89E-05	2.55E-04	2.24E-05	7.81E-06	4.47E-05	5.33E-06	7.10E-06	2.34E-05	1.61E-06
8520	470438.85	3820083.1	8.36E-05	3.51E-04	3.16E-05	6.96E-05	2.58E-04	2.27E-05	7.89E-06	4.52E-05	5.39E-06	7.18E-06	2.37E-05	1.63E-06
8521	470429.94	3820086.66	8.44E-05	3.55E-04	3.19E-05	7.03E-05	2.61E-04	2.29E-05	7.97E-06	4.57E-05	5.45E-06	7.25E-06	2.39E-05	1.65E-06
8522	470421.02	3820090.22	8.53E-05	3.58E-04	3.22E-05	7.10E-05	2.63E-04	2.31E-05	8.05E-06	4.61E-05	5.50E-06	7.32E-06	2.41E-05	1.66E-06

8523	470412.11	3820093.78	8.60E-05	3.61E-04	3.25E-05	7.17E-05	2.66E-04	2.34E-05	8.13E-06	4.65E-05	5.55E-06	7.39E-06	2.44E-05	1.68E-06
8524	470403.2	3820097.35	8.68E-05	3.64E-04	3.28E-05	7.23E-05	2.68E-04	2.36E-05	8.19E-06	4.69E-05	5.60E-06	7.45E-06	2.46E-05	1.69E-06
8525	470394.29	3820100.91	8.75E-05	3.67E-04	3.31E-05	7.29E-05	2.70E-04	2.37E-05	8.26E-06	4.73E-05	5.64E-06	7.51E-06	2.48E-05	1.71E-06
8526	470385.37	3820104.47	8.81E-05	3.70E-04	3.33E-05	7.34E-05	2.72E-04	2.39E-05	8.32E-06	4.76E-05	5.68E-06	7.56E-06	2.49E-05	1.72E-06
8527	470376.46	3820108.03	8.87E-05	3.73E-04	3.36E-05	7.39E-05	2.74E-04	2.41E-05	8.38E-06	4.80E-05	5.72E-06	7.62E-06	2.51E-05	1.73E-06
8528	470367.55	3820111.59	8.93E-05	3.75E-04	3.38E-05	7.44E-05	2.76E-04	2.42E-05	8.43E-06	4.83E-05	5.76E-06	7.67E-06	2.53E-05	1.74E-06
8529	470358.63	3820115.15	8.98E-05	3.77E-04	3.40E-05	7.48E-05	2.77E-04	2.44E-05	8.48E-06	4.86E-05	5.79E-06	7.71E-06	2.54E-05	1.75E-06
8530	470349.72	3820118.71	9.03E-05	3.79E-04	3.42E-05	7.52E-05	2.79E-04	2.45E-05	8.53E-06	4.88E-05	5.83E-06	7.75E-06	2.56E-05	1.76E-06
8531	470340.81	3820122.27	9.08E-05	3.81E-04	3.43E-05	7.56E-05	2.80E-04	2.46E-05	8.57E-06	4.91E-05	5.86E-06	7.79E-06	2.57E-05	1.77E-06
8532	470331.9	3820125.83	9.13E-05	3.83E-04	3.45E-05	7.60E-05	2.82E-04	2.48E-05	8.62E-06	4.93E-05	5.89E-06	7.83E-06	2.58E-05	1.78E-06
8533	470322.98	3820129.4	9.17E-05	3.85E-04	3.47E-05	7.64E-05	2.83E-04	2.49E-05	8.66E-06	4.96E-05	5.91E-06	7.87E-06	2.60E-05	1.79E-06
8534	470314.07	3820132.96	9.21E-05	3.87E-04	3.48E-05	7.67E-05	2.84E-04	2.50E-05	8.70E-06	4.98E-05	5.94E-06	7.91E-06	2.61E-05	1.80E-06
8535	470305.16	3820136.52	9.26E-05	3.89E-04	3.50E-05	7.71E-05	2.86E-04	2.51E-05	8.74E-06	5.00E-05	5.97E-06	7.95E-06	2.62E-05	1.81E-06
8536	470296.24	3820140.08	9.30E-05	3.90E-04	3.52E-05	7.74E-05	2.87E-04	2.52E-05	8.78E-06	5.03E-05	6.00E-06	7.98E-06	2.63E-05	1.81E-06
8537	470979.22	3819456.83	5.84E-05	2.45E-04	2.21E-05	4.86E-05	1.80E-04	1.58E-05	5.51E-06	3.16E-05	3.77E-06	5.01E-06	1.65E-05	1.14E-06
8538	470979.31	3819447.18	5.83E-05	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
8539	470979.39	3819437.54	5.81E-05	2.44E-04	2.20E-05	4.84E-05	1.79E-04	1.58E-05	5.49E-06	3.14E-05	3.75E-06	4.99E-06	1.64E-05	1.13E-06
8540	470979.47	3819427.89	5.79E-05	2.43E-04	2.19E-05	4.82E-05	1.79E-04	1.57E-05	5.47E-06	3.13E-05	3.73E-06	4.97E-06	1.64E-05	1.13E-06
8541	470979.56	3819418.24	5.77E-05	2.42E-04	2.18E-05	4.80E-05	1.78E-04	1.57E-05	5.44E-06	3.12E-05	3.72E-06	4.95E-06	1.63E-05	1.12E-06
8542	470979.64	3819408.59	5.74E-05	2.41E-04	2.17E-05	4.78E-05	1.77E-04	1.56E-05	5.42E-06	3.10E-05	3.70E-06	4.93E-06	1.62E-05	1.12E-06
8543	470979.72	3819398.94	5.71E-05	2.40E-04	2.16E-05	4.75E-05	1.76E-04	1.55E-05	5.39E-06	3.08E-05	3.68E-06	4.90E-06	1.61E-05	1.11E-06
8544	470979.8	3819389.29	5.67E-05	2.38E-04	2.14E-05	4.72E-05	1.75E-04	1.54E-05	5.35E-06	3.06E-05	3.66E-06	4.87E-06	1.60E-05	1.11E-06
8545	470979.89	3819379.65	5.63E-05	2.36E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.31E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
8546	470979.97	3819370	5.58E-05	2.34E-04	2.11E-05	4.65E-05	1.72E-04	1.52E-05	5.27E-06	3.02E-05	3.60E-06	4.79E-06	1.58E-05	1.09E-06
8547	470980.05	3819360.35	5.53E-05	2.32E-04	2.09E-05	4.61E-05	1.71E-04	1.50E-05	5.23E-06	2.99E-05	3.57E-06	4.75E-06	1.57E-05	1.08E-06
8548	470980.13	3819350.7	5.48E-05	2.30E-04	2.07E-05	4.57E-05	1.69E-04	1.49E-05	5.18E-06	2.96E-05	3.54E-06	4.71E-06	1.55E-05	1.07E-06
8549	470980.22	3819341.05	5.42E-05	2.28E-04	2.05E-05	4.52E-05	1.67E-04	1.47E-05	5.12E-06	2.93E-05	3.50E-06	4.65E-06	1.53E-05	1.06E-06
8550	470980.3	3819331.41	5.36E-05	2.25E-04	2.03E-05	4.46E-05	1.65E-04	1.45E-05	5.06E-06	2.90E-05	3.46E-06	4.60E-06	1.52E-05	1.05E-06
8551	470980.38	3819321.76	5.29E-05	2.22E-04	2.00E-05	4.41E-05	1.63E-04	1.44E-05	5.00E-06	2.86E-05	3.41E-06	4.54E-06	1.50E-05	1.03E-06
8552	470980.47	3819312.11	5.22E-05	2.19E-04	1.97E-05	4.35E-05	1.61E-04	1.42E-05	4.93E-06	2.82E-05	3.37E-06	4.48E-06	1.48E-05	1.02E-06
8553	470980.55	3819302.46	5.15E-05	2.16E-04	1.95E-05	4.29E-05	1.59E-04	1.40E-05	4.86E-06	2.78E-05	3.32E-06	4.42E-06	1.46E-05	1.00E-06
8554	470980.63	3819292.81	5.07E-05	2.13E-04	1.92E-05	4.22E-05	1.56E-04	1.38E-05	4.79E-06	2.74E-05	3.27E-06	4.35E-06	1.43E-05	9.89E-07
8555	470980.71	3819283.16	4.99E-05	2.09E-04	1.89E-05	4.15E-05	1.54E-04	1.35E-05	4.71E-06	2.70E-05	3.22E-06	4.28E-06	1.41E-05	9.73E-07
8556	470980.8	3819273.52	4.90E-05	2.06E-04	1.85E-05	4.08E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.56E-07
8557	470980.88	3819263.87	4.81E-05	2.02E-04	1.82E-05	4.01E-05	1.48E-04	1.31E-05	4.54E-06	2.60E-05	3.10E-06	4.13E-06	1.36E-05	9.39E-07
8558	470980.96	3819254.22	4.72E-05	1.98E-04	1.78E-05	3.93E-05	1.46E-04	1.28E-05	4.46E-06	2.55E-05	3.04E-06	4.05E-06	1.34E-05	9.21E-07
8559	470981.04	3819244.57	4.62E-05	1.94E-04	1.75E-05	3.85E-05	1.43E-04	1.26E-05	4.37E-06	2.50E-05	2.98E-06	3.97E-06	1.31E-05	9.02E-07
8560	471055.5	3819466.26	4.81E-05	2.02E-04	1.82E-05	4.01E-05	1.49E-04	1.31E-05	4.55E-06	2.60E-05	3.11E-06	4.13E-06	1.36E-05	9.39E-07
8561	471051.77	3819475.01	4.86E-05	2.04E-04	1.84E-05	4.05E-05	1.50E-04	1.32E-05	4.59E-06	2.63E-05	3.14E-06	4.18E-06	1.38E-05	9.49E-07
8562	471048.05	3819483.76	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.52E-04	1.33E-05	4.64E-06	2.66E-05	3.17E-06	4.22E-06	1.39E-05	9.58E-07
8563	471044.32	3819492.5	4.96E-05	2.08E-04	1.88E-05	4.13E-05	1.53E-04	1.35E-05	4.68E-06	2.68E-05	3.20E-06	4.26E-06	1.40E-05	9.68E-07
8564	471040.6	3819501.25	5.00E-05	2.10E-04	1.89E-05	4.17E-05	1.54E-04	1.36E-05	4.72E-06	2.70E-05	3.23E-06	4.29E-06	1.42E-05	9.76E-07

8565	471036.87	3819510	5.05E-05	2.12E-04	1.91E-05	4.20E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.25E-06	4.33E-06	1.43E-05	9.85E-07
8566	471033.15	3819518.74	5.09E-05	2.14E-04	1.92E-05	4.24E-05	1.57E-04	1.38E-05	4.80E-06	2.75E-05	3.28E-06	4.37E-06	1.44E-05	9.93E-07
8567	471029.42	3819527.49	5.13E-05	2.15E-04	1.94E-05	4.27E-05	1.58E-04	1.39E-05	4.84E-06	2.77E-05	3.31E-06	4.40E-06	1.45E-05	1.00E-06
8568	471025.7	3819536.24	5.17E-05	2.17E-04	1.95E-05	4.30E-05	1.59E-04	1.40E-05	4.88E-06	2.79E-05	3.33E-06	4.43E-06	1.46E-05	1.01E-06
8569	471021.97	3819544.98	5.20E-05	2.18E-04	1.97E-05	4.33E-05	1.61E-04	1.41E-05	4.91E-06	2.81E-05	3.35E-06	4.47E-06	1.47E-05	1.01E-06
8570	471018.25	3819553.73	5.23E-05	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.94E-06	2.83E-05	3.38E-06	4.49E-06	1.48E-05	1.02E-06
8571	471014.52	3819562.47	5.27E-05	2.21E-04	1.99E-05	4.39E-05	1.63E-04	1.43E-05	4.97E-06	2.85E-05	3.40E-06	4.52E-06	1.49E-05	1.03E-06
8572	471010.8	3819571.22	5.30E-05	2.22E-04	2.00E-05	4.41E-05	1.63E-04	1.44E-05	5.00E-06	2.86E-05	3.42E-06	4.55E-06	1.50E-05	1.03E-06
8573	471007.07	3819579.97	5.32E-05	2.24E-04	2.01E-05	4.44E-05	1.64E-04	1.45E-05	5.03E-06	2.88E-05	3.43E-06	4.57E-06	1.51E-05	1.04E-06
8574	471003.35	3819588.71	5.35E-05	2.25E-04	2.02E-05	4.46E-05	1.65E-04	1.45E-05	5.05E-06	2.89E-05	3.45E-06	4.59E-06	1.51E-05	1.04E-06
8575	470999.62	3819597.46	5.37E-05	2.26E-04	2.03E-05	4.48E-05	1.66E-04	1.46E-05	5.08E-06	2.91E-05	3.47E-06	4.61E-06	1.52E-05	1.05E-06
8576	470995.9	3819606.21	5.40E-05	2.27E-04	2.04E-05	4.49E-05	1.66E-04	1.46E-05	5.10E-06	2.92E-05	3.48E-06	4.63E-06	1.53E-05	1.05E-06
8577	470992.17	3819614.95	5.41E-05	2.27E-04	2.05E-05	4.51E-05	1.67E-04	1.47E-05	5.11E-06	2.93E-05	3.49E-06	4.65E-06	1.53E-05	1.06E-06
8578	470988.45	3819623.7	5.43E-05	2.28E-04	2.05E-05	4.52E-05	1.68E-04	1.47E-05	5.13E-06	2.94E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
8579	470984.72	3819632.45	5.45E-05	2.29E-04	2.06E-05	4.54E-05	1.68E-04	1.48E-05	5.14E-06	2.94E-05	3.51E-06	4.67E-06	1.54E-05	1.06E-06
8580	470981	3819641.19	5.46E-05	2.29E-04	2.06E-05	4.55E-05	1.68E-04	1.48E-05	5.15E-06	2.95E-05	3.52E-06	4.68E-06	1.54E-05	1.06E-06
8581	470977.27	3819649.94	5.47E-05	2.30E-04	2.07E-05	4.55E-05	1.69E-04	1.48E-05	5.16E-06	2.96E-05	3.53E-06	4.69E-06	1.55E-05	1.07E-06
8582	470973.55	3819658.69	5.47E-05	2.30E-04	2.07E-05	4.56E-05	1.69E-04	1.49E-05	5.17E-06	2.96E-05	3.53E-06	4.70E-06	1.55E-05	1.07E-06
8583	470969.82	3819667.43	5.48E-05	2.30E-04	2.07E-05	4.56E-05	1.69E-04	1.49E-05	5.17E-06	2.96E-05	3.53E-06	4.70E-06	1.55E-05	1.07E-06
8584	470954.93	3819702.42	5.48E-05	2.30E-04	2.07E-05	4.56E-05	1.69E-04	1.49E-05	5.17E-06	2.96E-05	3.53E-06	4.70E-06	1.55E-05	1.07E-06
8585	470951.2	3819711.16	5.47E-05	2.30E-04	2.07E-05	4.56E-05	1.69E-04	1.48E-05	5.17E-06	2.96E-05	3.53E-06	4.70E-06	1.55E-05	1.07E-06
8586	470947.48	3819719.91	5.46E-05	2.29E-04	2.07E-05	4.55E-05	1.69E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
8587	470943.75	3819728.66	5.45E-05	2.29E-04	2.06E-05	4.54E-05	1.68E-04	1.48E-05	5.15E-06	2.95E-05	3.52E-06	4.68E-06	1.54E-05	1.06E-06
8588	470940.03	3819737.4	5.44E-05	2.29E-04	2.06E-05	4.53E-05	1.68E-04	1.48E-05	5.14E-06	2.94E-05	3.51E-06	4.67E-06	1.54E-05	1.06E-06
8589	470936.3	3819746.15	5.43E-05	2.28E-04	2.05E-05	4.52E-05	1.68E-04	1.47E-05	5.13E-06	2.94E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
8590	470932.58	3819754.9	5.42E-05	2.27E-04	2.05E-05	4.51E-05	1.67E-04	1.47E-05	5.11E-06	2.93E-05	3.49E-06	4.65E-06	1.53E-05	1.06E-06
8591	470928.85	3819763.64	5.40E-05	2.27E-04	2.04E-05	4.50E-05	1.67E-04	1.47E-05	5.10E-06	2.92E-05	3.48E-06	4.64E-06	1.53E-05	1.05E-06
8592	470925.13	3819772.39	5.38E-05	2.26E-04	2.04E-05	4.49E-05	1.66E-04	1.46E-05	5.08E-06	2.91E-05	3.47E-06	4.62E-06	1.52E-05	1.05E-06
8593	470921.4	3819781.14	5.37E-05	2.25E-04	2.03E-05	4.47E-05	1.66E-04	1.46E-05	5.07E-06	2.90E-05	3.46E-06	4.61E-06	1.52E-05	1.05E-06
8594	470917.68	3819789.88	5.35E-05	2.25E-04	2.02E-05	4.46E-05	1.65E-04	1.45E-05	5.05E-06	2.89E-05	3.45E-06	4.59E-06	1.51E-05	1.04E-06
8595	470872.98	3819894.84	5.08E-05	2.13E-04	1.92E-05	4.23E-05	1.57E-04	1.38E-05	4.79E-06	2.74E-05	3.28E-06	4.36E-06	1.44E-05	9.91E-07
8596	470869.25	3819903.58	5.05E-05	2.12E-04	1.91E-05	4.21E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.26E-06	4.34E-06	1.43E-05	9.85E-07
8597	470865.53	3819912.33	5.02E-05	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.74E-06	2.72E-05	3.24E-06	4.31E-06	1.42E-05	9.80E-07
8598	470861.8	3819921.08	4.99E-05	2.10E-04	1.89E-05	4.16E-05	1.54E-04	1.36E-05	4.72E-06	2.70E-05	3.22E-06	4.29E-06	1.41E-05	9.74E-07
8599	470858.08	3819929.82	4.96E-05	2.08E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.69E-06	2.68E-05	3.20E-06	4.26E-06	1.41E-05	9.69E-07
8600	470854.35	3819938.57	4.94E-05	2.07E-04	1.87E-05	4.11E-05	1.52E-04	1.34E-05	4.66E-06	2.67E-05	3.18E-06	4.24E-06	1.40E-05	9.63E-07
8601	470850.63	3819947.32	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.57E-07
8602	470846.9	3819956.06	4.87E-05	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.60E-06	2.63E-05	3.14E-06	4.18E-06	1.38E-05	9.51E-07
8603	470843.18	3819964.81	4.84E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.57E-06	2.62E-05	3.12E-06	4.16E-06	1.37E-05	9.45E-07
8604	470839.45	3819973.56	4.81E-05	2.02E-04	1.82E-05	4.01E-05	1.48E-04	1.31E-05	4.54E-06	2.60E-05	3.10E-06	4.13E-06	1.36E-05	9.38E-07
8605	470835.73	3819982.3	4.78E-05	2.01E-04	1.81E-05	3.98E-05	1.47E-04	1.30E-05	4.51E-06	2.58E-05	3.08E-06	4.10E-06	1.35E-05	9.32E-07
8606	470832	3819991.05	4.74E-05	1.99E-04	1.79E-05	3.95E-05	1.46E-04	1.29E-05	4.48E-06	2.56E-05	3.06E-06	4.07E-06	1.34E-05	9.25E-07

8607	470828.28	3819999.8	4.71E-05	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.45E-06	2.54E-05	3.04E-06	4.04E-06	1.33E-05	9.19E-07
8608	470815.73	3820012.07	4.71E-05	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.04E-06	1.33E-05	9.19E-07
8609	470806.9	3820015.6	4.75E-05	1.99E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.48E-06	2.57E-05	3.06E-06	4.08E-06	1.34E-05	9.27E-07
8610	470798.07	3820019.12	4.79E-05	2.01E-04	1.81E-05	3.99E-05	1.48E-04	1.30E-05	4.52E-06	2.59E-05	3.09E-06	4.11E-06	1.35E-05	9.34E-07
8611	470789.24	3820022.65	4.82E-05	2.03E-04	1.82E-05	4.02E-05	1.49E-04	1.31E-05	4.56E-06	2.61E-05	3.11E-06	4.14E-06	1.37E-05	9.41E-07
8612	470780.42	3820026.18	4.86E-05	2.04E-04	1.84E-05	4.05E-05	1.50E-04	1.32E-05	4.59E-06	2.63E-05	3.14E-06	4.17E-06	1.38E-05	9.49E-07
8613	470771.59	3820029.7	4.90E-05	2.06E-04	1.85E-05	4.08E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.16E-06	4.21E-06	1.39E-05	9.56E-07
8614	470762.76	3820033.23	4.94E-05	2.07E-04	1.87E-05	4.11E-05	1.52E-04	1.34E-05	4.66E-06	2.67E-05	3.18E-06	4.24E-06	1.40E-05	9.63E-07
8615	470753.93	3820036.76	4.97E-05	2.09E-04	1.88E-05	4.14E-05	1.54E-04	1.35E-05	4.70E-06	2.69E-05	3.21E-06	4.27E-06	1.41E-05	9.71E-07
8616	470745.1	3820040.29	5.01E-05	2.10E-04	1.90E-05	4.17E-05	1.55E-04	1.36E-05	4.73E-06	2.71E-05	3.23E-06	4.30E-06	1.42E-05	9.78E-07
8617	470665.65	3820072.03	5.41E-05	2.27E-04	2.05E-05	4.51E-05	1.67E-04	1.47E-05	5.11E-06	2.92E-05	3.49E-06	4.64E-06	1.53E-05	1.06E-06
8618	470656.82	3820075.56	5.46E-05	2.29E-04	2.07E-05	4.55E-05	1.69E-04	1.48E-05	5.16E-06	2.95E-05	3.52E-06	4.69E-06	1.55E-05	1.07E-06
8619	470648	3820079.09	5.52E-05	2.32E-04	2.09E-05	4.59E-05	1.70E-04	1.50E-05	5.21E-06	2.98E-05	3.56E-06	4.74E-06	1.56E-05	1.08E-06
8620	470639.17	3820082.61	5.57E-05	2.34E-04	2.11E-05	4.64E-05	1.72E-04	1.51E-05	5.26E-06	3.01E-05	3.60E-06	4.79E-06	1.58E-05	1.09E-06
8621	470630.34	3820086.14	5.63E-05	2.37E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.32E-06	3.05E-05	3.63E-06	4.84E-06	1.59E-05	1.10E-06
8622	470621.51	3820089.67	5.70E-05	2.39E-04	2.15E-05	4.75E-05	1.76E-04	1.55E-05	5.38E-06	3.08E-05	3.67E-06	4.89E-06	1.61E-05	1.11E-06
8623	470612.68	3820093.19	5.76E-05	2.42E-04	2.18E-05	4.80E-05	1.78E-04	1.56E-05	5.44E-06	3.12E-05	3.72E-06	4.95E-06	1.63E-05	1.12E-06
8624	470603.86	3820096.72	5.83E-05	2.45E-04	2.21E-05	4.86E-05	1.80E-04	1.58E-05	5.51E-06	3.15E-05	3.76E-06	5.01E-06	1.65E-05	1.14E-06
8625	470595.03	3820100.25	5.90E-05	2.48E-04	2.23E-05	4.92E-05	1.82E-04	1.60E-05	5.57E-06	3.19E-05	3.81E-06	5.07E-06	1.67E-05	1.15E-06
8626	470586.2	3820103.78	5.97E-05	2.51E-04	2.26E-05	4.98E-05	1.84E-04	1.62E-05	5.64E-06	3.23E-05	3.85E-06	5.13E-06	1.69E-05	1.17E-06
8627	470577.37	3820107.3	6.05E-05	2.54E-04	2.29E-05	5.04E-05	1.87E-04	1.64E-05	5.71E-06	3.27E-05	3.90E-06	5.19E-06	1.71E-05	1.18E-06
8628	470568.54	3820110.83	6.12E-05	2.57E-04	2.32E-05	5.10E-05	1.89E-04	1.66E-05	5.78E-06	3.31E-05	3.95E-06	5.26E-06	1.73E-05	1.19E-06
8629	470559.72	3820114.36	6.20E-05	2.60E-04	2.35E-05	5.17E-05	1.91E-04	1.68E-05	5.86E-06	3.35E-05	4.00E-06	5.32E-06	1.76E-05	1.21E-06
8630	470550.89	3820117.88	6.28E-05	2.64E-04	2.37E-05	5.23E-05	1.94E-04	1.70E-05	5.93E-06	3.39E-05	4.05E-06	5.39E-06	1.78E-05	1.23E-06
8631	470542.06	3820121.41	6.36E-05	2.67E-04	2.40E-05	5.30E-05	1.96E-04	1.73E-05	6.00E-06	3.44E-05	4.10E-06	5.46E-06	1.80E-05	1.24E-06
8632	470533.23	3820124.94	6.44E-05	2.70E-04	2.44E-05	5.36E-05	1.99E-04	1.75E-05	6.08E-06	3.48E-05	4.15E-06	5.53E-06	1.82E-05	1.26E-06
8633	470524.4	3820128.47	6.52E-05	2.74E-04	2.47E-05	5.43E-05	2.01E-04	1.77E-05	6.16E-06	3.52E-05	4.20E-06	5.60E-06	1.85E-05	1.27E-06
8634	470515.58	3820131.99	6.60E-05	2.77E-04	2.50E-05	5.50E-05	2.04E-04	1.79E-05	6.23E-06	3.57E-05	4.26E-06	5.66E-06	1.87E-05	1.29E-06
8635	470506.75	3820135.52	6.68E-05	2.80E-04	2.52E-05	5.56E-05	2.06E-04	1.81E-05	6.30E-06	3.61E-05	4.31E-06	5.73E-06	1.89E-05	1.30E-06
8636	470497.92	3820139.05	6.75E-05	2.84E-04	2.55E-05	5.62E-05	2.08E-04	1.83E-05	6.38E-06	3.65E-05	4.36E-06	5.80E-06	1.91E-05	1.32E-06
8637	470489.09	3820142.57	6.83E-05	2.87E-04	2.58E-05	5.69E-05	2.11E-04	1.85E-05	6.45E-06	3.69E-05	4.40E-06	5.86E-06	1.93E-05	1.33E-06
8638	470480.26	3820146.1	6.90E-05	2.90E-04	2.61E-05	5.75E-05	2.13E-04	1.87E-05	6.52E-06	3.73E-05	4.45E-06	5.92E-06	1.95E-05	1.35E-06
8639	470471.44	3820149.63	6.97E-05	2.93E-04	2.64E-05	5.81E-05	2.15E-04	1.89E-05	6.58E-06	3.77E-05	4.50E-06	5.99E-06	1.97E-05	1.36E-06
8640	470462.61	3820153.16	7.04E-05	2.96E-04	2.66E-05	5.86E-05	2.17E-04	1.91E-05	6.65E-06	3.81E-05	4.54E-06	6.04E-06	1.99E-05	1.37E-06
8641	470453.78	3820156.68	7.11E-05	2.98E-04	2.69E-05	5.92E-05	2.19E-04	1.93E-05	6.71E-06	3.84E-05	4.58E-06	6.10E-06	2.01E-05	1.39E-06
8642	470444.95	3820160.21	7.17E-05	3.01E-04	2.71E-05	5.97E-05	2.21E-04	1.95E-05	6.77E-06	3.88E-05	4.62E-06	6.15E-06	2.03E-05	1.40E-06
8643	470436.12	3820163.74	7.23E-05	3.04E-04	2.73E-05	6.02E-05	2.23E-04	1.96E-05	6.83E-06	3.91E-05	4.66E-06	6.20E-06	2.05E-05	1.41E-06
8644	470427.3	3820167.27	7.28E-05	3.06E-04	2.75E-05	6.07E-05	2.25E-04	1.98E-05	6.88E-06	3.94E-05	4.70E-06	6.25E-06	2.06E-05	1.42E-06
8645	470418.47	3820170.79	7.34E-05	3.08E-04	2.77E-05	6.11E-05	2.26E-04	1.99E-05	6.93E-06	3.97E-05	4.73E-06	6.30E-06	2.08E-05	1.43E-06
8646	470409.64	3820174.32	7.39E-05	3.10E-04	2.79E-05	6.15E-05	2.28E-04	2.01E-05	6.98E-06	3.99E-05	4.76E-06	6.34E-06	2.09E-05	1.44E-06
8647	470400.81	3820177.85	7.43E-05	3.12E-04	2.81E-05	6.19E-05	2.29E-04	2.02E-05	7.02E-06	4.02E-05	4.79E-06	6.38E-06	2.10E-05	1.45E-06
8648	470391.98	3820181.37	7.48E-05	3.14E-04	2.83E-05	6.23E-05	2.31E-04	2.03E-05	7.06E-06	4.04E-05	4.82E-06	6.42E-06	2.12E-05	1.46E-06

8649	470383.16	3820184.9	7.52E-05	3.16E-04	2.84E-05	6.26E-05	2.32E-04	2.04E-05	7.10E-06	4.06E-05	4.85E-06	6.45E-06	2.13E-05	1.47E-06
8650	470374.33	3820188.43	7.56E-05	3.17E-04	2.86E-05	6.29E-05	2.33E-04	2.05E-05	7.14E-06	4.09E-05	4.87E-06	6.49E-06	2.14E-05	1.47E-06
8651	470365.5	3820191.96	7.59E-05	3.19E-04	2.87E-05	6.32E-05	2.34E-04	2.06E-05	7.17E-06	4.10E-05	4.90E-06	6.52E-06	2.15E-05	1.48E-06
8652	470356.67	3820195.48	7.63E-05	3.20E-04	2.88E-05	6.35E-05	2.35E-04	2.07E-05	7.20E-06	4.12E-05	4.92E-06	6.55E-06	2.16E-05	1.49E-06
8653	470347.84	3820199.01	7.66E-05	3.22E-04	2.90E-05	6.38E-05	2.36E-04	2.08E-05	7.23E-06	4.14E-05	4.94E-06	6.58E-06	2.17E-05	1.49E-06
8654	470339.02	3820202.54	7.69E-05	3.23E-04	2.91E-05	6.41E-05	2.37E-04	2.09E-05	7.27E-06	4.16E-05	4.96E-06	6.60E-06	2.18E-05	1.50E-06
8655	470330.19	3820206.06	7.73E-05	3.24E-04	2.92E-05	6.44E-05	2.38E-04	2.10E-05	7.30E-06	4.18E-05	4.98E-06	6.63E-06	2.19E-05	1.51E-06
8656	470321.36	3820209.59	7.76E-05	3.26E-04	2.93E-05	6.46E-05	2.39E-04	2.11E-05	7.33E-06	4.20E-05	5.01E-06	6.66E-06	2.20E-05	1.51E-06
8657	470312.53	3820213.12	7.79E-05	3.27E-04	2.95E-05	6.49E-05	2.40E-04	2.11E-05	7.36E-06	4.21E-05	5.02E-06	6.69E-06	2.20E-05	1.52E-06
8658	470303.7	3820216.65	7.82E-05	3.28E-04	2.96E-05	6.51E-05	2.41E-04	2.12E-05	7.38E-06	4.23E-05	5.04E-06	6.71E-06	2.21E-05	1.53E-06
8659	470294.88	3820220.17	7.84E-05	3.29E-04	2.97E-05	6.53E-05	2.42E-04	2.13E-05	7.41E-06	4.24E-05	5.06E-06	6.73E-06	2.22E-05	1.53E-06
8660	470286.05	3820223.7	7.87E-05	3.31E-04	2.98E-05	6.56E-05	2.43E-04	2.14E-05	7.44E-06	4.26E-05	5.08E-06	6.76E-06	2.23E-05	1.54E-06
8661	470277.22	3820227.23	7.90E-05	3.32E-04	2.99E-05	6.58E-05	2.44E-04	2.15E-05	7.46E-06	4.27E-05	5.10E-06	6.78E-06	2.24E-05	1.54E-06
8662	471059.22	3819457.52	4.76E-05	2.00E-04	1.80E-05	3.97E-05	1.47E-04	1.29E-05	4.50E-06	2.57E-05	3.07E-06	4.09E-06	1.35E-05	9.29E-07
8663	471059.3	3819447.87	4.75E-05	2.00E-04	1.80E-05	3.96E-05	1.47E-04	1.29E-05	4.49E-06	2.57E-05	3.06E-06	4.08E-06	1.34E-05	9.27E-07
8664	471059.39	3819438.22	4.74E-05	1.99E-04	1.79E-05	3.94E-05	1.46E-04	1.29E-05	4.47E-06	2.56E-05	3.05E-06	4.07E-06	1.34E-05	9.24E-07
8665	471059.47	3819428.57	4.72E-05	1.98E-04	1.78E-05	3.93E-05	1.46E-04	1.28E-05	4.46E-06	2.55E-05	3.04E-06	4.05E-06	1.34E-05	9.21E-07
8666	471059.55	3819418.93	4.70E-05	1.97E-04	1.78E-05	3.91E-05	1.45E-04	1.28E-05	4.44E-06	2.54E-05	3.03E-06	4.03E-06	1.33E-05	9.17E-07
8667	471059.63	3819409.28	4.68E-05	1.96E-04	1.77E-05	3.90E-05	1.44E-04	1.27E-05	4.42E-06	2.53E-05	3.02E-06	4.02E-06	1.32E-05	9.13E-07
8668	471059.72	3819399.63	4.65E-05	1.95E-04	1.76E-05	3.87E-05	1.44E-04	1.26E-05	4.39E-06	2.51E-05	3.00E-06	3.99E-06	1.32E-05	9.08E-07
8669	471059.8	3819389.98	4.62E-05	1.94E-04	1.75E-05	3.85E-05	1.43E-04	1.26E-05	4.37E-06	2.50E-05	2.98E-06	3.97E-06	1.31E-05	9.02E-07
8670	471059.88	3819380.33	4.59E-05	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.34E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.96E-07
8671	471059.97	3819370.68	4.56E-05	1.91E-04	1.72E-05	3.80E-05	1.41E-04	1.24E-05	4.30E-06	2.46E-05	2.94E-06	3.91E-06	1.29E-05	8.89E-07
8672	471060.05	3819361.04	4.52E-05	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.27E-06	2.44E-05	2.92E-06	3.88E-06	1.28E-05	8.82E-07
8673	471060.13	3819351.39	4.48E-05	1.88E-04	1.69E-05	3.73E-05	1.38E-04	1.22E-05	4.23E-06	2.42E-05	2.89E-06	3.85E-06	1.27E-05	8.74E-07
8674	471060.21	3819341.74	4.44E-05	1.86E-04	1.68E-05	3.70E-05	1.37E-04	1.20E-05	4.19E-06	2.40E-05	2.86E-06	3.81E-06	1.26E-05	8.66E-07
8675	471060.3	3819332.09	4.39E-05	1.84E-04	1.66E-05	3.66E-05	1.36E-04	1.19E-05	4.15E-06	2.37E-05	2.83E-06	3.77E-06	1.24E-05	8.57E-07
8676	471060.38	3819322.44	4.34E-05	1.82E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.47E-07
8677	471060.46	3819312.8	4.29E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.77E-06	3.68E-06	1.21E-05	8.37E-07
8678	471060.54	3819303.15	4.23E-05	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.64E-06	1.20E-05	8.26E-07
8679	471060.63	3819293.5	4.18E-05	1.75E-04	1.58E-05	3.48E-05	1.29E-04	1.13E-05	3.94E-06	2.26E-05	2.69E-06	3.58E-06	1.18E-05	8.15E-07
8680	471060.71	3819283.85	4.11E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.03E-07
8681	471060.79	3819274.2	4.05E-05	1.70E-04	1.53E-05	3.37E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.61E-06	3.48E-06	1.15E-05	7.91E-07
8682	471060.88	3819264.55	3.99E-05	1.67E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.78E-07
8683	471060.96	3819254.91	3.92E-05	1.65E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.36E-06	1.11E-05	7.64E-07
8684	471135.47	3819467.01	4.00E-05	1.68E-04	1.51E-05	3.33E-05	1.23E-04	1.08E-05	3.77E-06	2.16E-05	2.58E-06	3.43E-06	1.13E-05	7.80E-07
8685	471131.72	3819475.81	4.04E-05	1.69E-04	1.53E-05	3.36E-05	1.25E-04	1.10E-05	3.81E-06	2.18E-05	2.60E-06	3.46E-06	1.14E-05	7.87E-07
8686	471127.97	3819484.62	4.07E-05	1.71E-04	1.54E-05	3.39E-05	1.26E-04	1.11E-05	3.85E-06	2.20E-05	2.63E-06	3.50E-06	1.15E-05	7.95E-07
8687	471124.22	3819493.42	4.11E-05	1.73E-04	1.56E-05	3.42E-05	1.27E-04	1.12E-05	3.88E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.02E-07
8688	471120.47	3819502.23	4.15E-05	1.74E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.92E-06	2.24E-05	2.68E-06	3.56E-06	1.17E-05	8.09E-07
8689	471116.72	3819511.03	4.18E-05	1.76E-04	1.58E-05	3.48E-05	1.29E-04	1.14E-05	3.95E-06	2.26E-05	2.70E-06	3.59E-06	1.18E-05	8.16E-07
8690	471112.97	3819519.84	4.22E-05	1.77E-04	1.60E-05	3.51E-05	1.30E-04	1.15E-05	3.98E-06	2.28E-05	2.72E-06	3.62E-06	1.19E-05	8.23E-07

8691	471109.22	3819528.64	4.25E-05	1.79E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.01E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.29E-07
8692	471105.47	3819537.45	4.28E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.04E-06	2.32E-05	2.76E-06	3.68E-06	1.21E-05	8.36E-07
8693	471101.72	3819546.25	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.42E-07
8694	471097.97	3819555.06	4.34E-05	1.82E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.48E-07
8695	471094.22	3819563.86	4.37E-05	1.84E-04	1.65E-05	3.64E-05	1.35E-04	1.19E-05	4.13E-06	2.36E-05	2.82E-06	3.75E-06	1.24E-05	8.53E-07
8696	471090.47	3819572.67	4.40E-05	1.85E-04	1.66E-05	3.66E-05	1.36E-04	1.19E-05	4.15E-06	2.38E-05	2.84E-06	3.78E-06	1.25E-05	8.58E-07
8697	471086.72	3819581.47	4.42E-05	1.86E-04	1.67E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.39E-05	2.85E-06	3.80E-06	1.25E-05	8.63E-07
8698	471082.97	3819590.28	4.45E-05	1.87E-04	1.68E-05	3.71E-05	1.37E-04	1.21E-05	4.20E-06	2.41E-05	2.87E-06	3.82E-06	1.26E-05	8.68E-07
8699	471079.22	3819599.08	4.47E-05	1.88E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.22E-06	2.42E-05	2.88E-06	3.84E-06	1.27E-05	8.73E-07
8700	471075.47	3819607.89	4.49E-05	1.89E-04	1.70E-05	3.74E-05	1.39E-04	1.22E-05	4.24E-06	2.43E-05	2.90E-06	3.86E-06	1.27E-05	8.77E-07
8701	471071.72	3819616.69	4.51E-05	1.90E-04	1.71E-05	3.76E-05	1.39E-04	1.23E-05	4.26E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.81E-07
8702	471067.97	3819625.5	4.53E-05	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.92E-06	3.89E-06	1.28E-05	8.84E-07
8703	471064.22	3819634.3	4.55E-05	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.23E-05	4.30E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.88E-07
8704	471060.47	3819643.11	4.56E-05	1.92E-04	1.73E-05	3.80E-05	1.41E-04	1.24E-05	4.31E-06	2.47E-05	2.94E-06	3.92E-06	1.29E-05	8.90E-07
8705	471056.72	3819651.91	4.58E-05	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.32E-06	2.47E-05	2.95E-06	3.93E-06	1.30E-05	8.93E-07
8706	471052.97	3819660.72	4.59E-05	1.93E-04	1.74E-05	3.82E-05	1.42E-04	1.25E-05	4.33E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.95E-07
8707	471049.22	3819669.52	4.60E-05	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.34E-06	2.49E-05	2.97E-06	3.95E-06	1.30E-05	8.97E-07
8708	471045.47	3819678.33	4.61E-05	1.93E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.95E-06	1.30E-05	8.99E-07
8709	471041.72	3819687.13	4.61E-05	1.94E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.36E-06	2.49E-05	2.97E-06	3.96E-06	1.31E-05	9.00E-07
8710	471015.48	3819748.77	4.61E-05	1.94E-04	1.74E-05	3.84E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.96E-06	1.30E-05	9.00E-07
8711	471011.73	3819757.57	4.60E-05	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.35E-06	2.49E-05	2.97E-06	3.95E-06	1.30E-05	8.98E-07
8712	471007.98	3819766.38	4.60E-05	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.34E-06	2.48E-05	2.96E-06	3.95E-06	1.30E-05	8.97E-07
8713	471004.23	3819775.18	4.59E-05	1.93E-04	1.74E-05	3.82E-05	1.42E-04	1.25E-05	4.33E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.95E-07
8714	471000.48	3819783.99	4.58E-05	1.92E-04	1.73E-05	3.81E-05	1.41E-04	1.24E-05	4.32E-06	2.47E-05	2.95E-06	3.93E-06	1.30E-05	8.93E-07
8715	470996.73	3819792.79	4.57E-05	1.92E-04	1.73E-05	3.80E-05	1.41E-04	1.24E-05	4.31E-06	2.47E-05	2.95E-06	3.92E-06	1.29E-05	8.91E-07
8716	470992.98	3819801.6	4.56E-05	1.91E-04	1.72E-05	3.80E-05	1.41E-04	1.24E-05	4.30E-06	2.46E-05	2.94E-06	3.91E-06	1.29E-05	8.89E-07
8717	470989.23	3819810.4	4.54E-05	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.23E-05	4.29E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.87E-07
8718	470985.48	3819819.21	4.53E-05	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.28E-06	2.45E-05	2.92E-06	3.89E-06	1.28E-05	8.84E-07
8719	470981.73	3819828.01	4.52E-05	1.90E-04	1.71E-05	3.76E-05	1.39E-04	1.23E-05	4.27E-06	2.44E-05	2.91E-06	3.88E-06	1.28E-05	8.82E-07
8720	470977.98	3819836.82	4.50E-05	1.89E-04	1.70E-05	3.75E-05	1.39E-04	1.22E-05	4.25E-06	2.43E-05	2.91E-06	3.87E-06	1.27E-05	8.79E-07
8721	470974.23	3819845.62	4.49E-05	1.89E-04	1.70E-05	3.74E-05	1.39E-04	1.22E-05	4.24E-06	2.43E-05	2.90E-06	3.85E-06	1.27E-05	8.76E-07
8722	470970.48	3819854.42	4.47E-05	1.88E-04	1.69E-05	3.73E-05	1.38E-04	1.21E-05	4.23E-06	2.42E-05	2.89E-06	3.84E-06	1.27E-05	8.73E-07
8723	470966.73	3819863.23	4.46E-05	1.87E-04	1.69E-05	3.71E-05	1.38E-04	1.21E-05	4.21E-06	2.41E-05	2.88E-06	3.83E-06	1.26E-05	8.70E-07
8724	470962.98	3819872.03	4.44E-05	1.87E-04	1.68E-05	3.70E-05	1.37E-04	1.21E-05	4.20E-06	2.40E-05	2.87E-06	3.81E-06	1.26E-05	8.67E-07
8725	470959.23	3819880.84	4.43E-05	1.86E-04	1.67E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.39E-05	2.85E-06	3.80E-06	1.25E-05	8.64E-07
8726	470955.48	3819889.64	4.41E-05	1.85E-04	1.67E-05	3.67E-05	1.36E-04	1.20E-05	4.16E-06	2.38E-05	2.84E-06	3.79E-06	1.25E-05	8.61E-07
8727	470951.73	3819898.45	4.39E-05	1.84E-04	1.66E-05	3.66E-05	1.36E-04	1.19E-05	4.15E-06	2.37E-05	2.83E-06	3.77E-06	1.24E-05	8.57E-07
8728	470947.98	3819907.25	4.37E-05	1.84E-04	1.65E-05	3.64E-05	1.35E-04	1.19E-05	4.13E-06	2.37E-05	2.82E-06	3.76E-06	1.24E-05	8.54E-07
8729	470944.23	3819916.06	4.36E-05	1.83E-04	1.65E-05	3.63E-05	1.34E-04	1.18E-05	4.11E-06	2.36E-05	2.81E-06	3.74E-06	1.23E-05	8.50E-07
8730	470940.48	3819924.86	4.34E-05	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.72E-06	1.23E-05	8.47E-07
8731	470936.73	3819933.67	4.32E-05	1.81E-04	1.63E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.43E-07
8732	470921.73	3819968.89	4.24E-05	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.74E-06	3.64E-06	1.20E-05	8.27E-07

8733	470917.98	3819977.69	4.22E-05	1.77E-04	1.60E-05	3.51E-05	1.30E-04	1.15E-05	3.98E-06	2.28E-05	2.72E-06	3.62E-06	1.19E-05	8.23E-07
8734	470914.23	3819986.5	4.20E-05	1.76E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.96E-06	2.27E-05	2.71E-06	3.60E-06	1.19E-05	8.19E-07
8735	470910.48	3819995.3	4.17E-05	1.75E-04	1.58E-05	3.48E-05	1.29E-04	1.13E-05	3.94E-06	2.26E-05	2.69E-06	3.58E-06	1.18E-05	8.14E-07
8736	470906.73	3820004.11	4.15E-05	1.74E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.92E-06	2.24E-05	2.68E-06	3.56E-06	1.17E-05	8.10E-07
8737	470902.98	3820012.91	4.13E-05	1.73E-04	1.56E-05	3.44E-05	1.27E-04	1.12E-05	3.90E-06	2.23E-05	2.66E-06	3.54E-06	1.17E-05	8.05E-07
8738	470899.23	3820021.72	4.10E-05	1.72E-04	1.55E-05	3.42E-05	1.27E-04	1.11E-05	3.87E-06	2.22E-05	2.65E-06	3.52E-06	1.16E-05	8.01E-07
8739	470895.48	3820030.52	4.08E-05	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.21E-05	2.63E-06	3.50E-06	1.15E-05	7.96E-07
8740	470891.73	3820039.33	4.05E-05	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.61E-06	3.48E-06	1.15E-05	7.91E-07
8741	470887.98	3820048.13	4.03E-05	1.69E-04	1.52E-05	3.35E-05	1.24E-04	1.09E-05	3.80E-06	2.18E-05	2.60E-06	3.46E-06	1.14E-05	7.86E-07
8742	470884.23	3820056.94	4.00E-05	1.68E-04	1.51E-05	3.33E-05	1.23E-04	1.09E-05	3.78E-06	2.16E-05	2.58E-06	3.43E-06	1.13E-05	7.81E-07
8743	470871.6	3820069.29	4.00E-05	1.68E-04	1.51E-05	3.34E-05	1.24E-04	1.09E-05	3.78E-06	2.16E-05	2.58E-06	3.44E-06	1.13E-05	7.81E-07
8744	470862.71	3820072.84	4.03E-05	1.69E-04	1.53E-05	3.36E-05	1.25E-04	1.10E-05	3.81E-06	2.18E-05	2.60E-06	3.46E-06	1.14E-05	7.87E-07
8745	470853.82	3820076.4	4.06E-05	1.71E-04	1.54E-05	3.38E-05	1.25E-04	1.10E-05	3.84E-06	2.20E-05	2.62E-06	3.49E-06	1.15E-05	7.93E-07
8746	470844.94	3820079.95	4.09E-05	1.72E-04	1.55E-05	3.41E-05	1.26E-04	1.11E-05	3.86E-06	2.21E-05	2.64E-06	3.51E-06	1.16E-05	7.98E-07
8747	470836.05	3820083.5	4.12E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.23E-05	2.66E-06	3.54E-06	1.17E-05	8.04E-07
8748	470827.16	3820087.05	4.15E-05	1.74E-04	1.57E-05	3.45E-05	1.28E-04	1.13E-05	3.92E-06	2.24E-05	2.67E-06	3.56E-06	1.17E-05	8.09E-07
8749	470818.27	3820090.6	4.18E-05	1.75E-04	1.58E-05	3.48E-05	1.29E-04	1.13E-05	3.94E-06	2.26E-05	2.69E-06	3.58E-06	1.18E-05	8.15E-07
8750	470809.39	3820094.15	4.20E-05	1.77E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.97E-06	2.27E-05	2.71E-06	3.61E-06	1.19E-05	8.20E-07
8751	470800.5	3820097.7	4.23E-05	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.63E-06	1.20E-05	8.26E-07
8752	470791.61	3820101.25	4.26E-05	1.79E-04	1.61E-05	3.55E-05	1.32E-04	1.16E-05	4.03E-06	2.30E-05	2.75E-06	3.66E-06	1.21E-05	8.32E-07
8753	470782.73	3820104.8	4.29E-05	1.80E-04	1.62E-05	3.58E-05	1.32E-04	1.17E-05	4.05E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.38E-07
8754	470773.84	3820108.35	4.32E-05	1.82E-04	1.64E-05	3.60E-05	1.33E-04	1.17E-05	4.08E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.44E-07
8755	470764.95	3820111.9	4.36E-05	1.83E-04	1.65E-05	3.63E-05	1.34E-04	1.18E-05	4.11E-06	2.35E-05	2.81E-06	3.74E-06	1.23E-05	8.50E-07
8756	470684.97	3820143.86	4.69E-05	1.97E-04	1.77E-05	3.91E-05	1.45E-04	1.27E-05	4.43E-06	2.53E-05	3.02E-06	4.02E-06	1.33E-05	9.15E-07
8757	470676.08	3820147.41	4.73E-05	1.99E-04	1.79E-05	3.94E-05	1.46E-04	1.28E-05	4.47E-06	2.56E-05	3.05E-06	4.06E-06	1.34E-05	9.24E-07
8758	470667.2	3820150.96	4.78E-05	2.01E-04	1.81E-05	3.98E-05	1.48E-04	1.30E-05	4.52E-06	2.59E-05	3.08E-06	4.11E-06	1.35E-05	9.33E-07
8759	470658.31	3820154.51	4.83E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.56E-06	2.61E-05	3.12E-06	4.15E-06	1.37E-05	9.43E-07
8760	470649.42	3820158.06	4.89E-05	2.05E-04	1.85E-05	4.07E-05	1.51E-04	1.33E-05	4.62E-06	2.64E-05	3.15E-06	4.20E-06	1.38E-05	9.54E-07
8761	470640.53	3820161.61	4.94E-05	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.67E-05	3.19E-06	4.24E-06	1.40E-05	9.64E-07
8762	470631.65	3820165.16	5.00E-05	2.10E-04	1.89E-05	4.16E-05	1.54E-04	1.36E-05	4.72E-06	2.70E-05	3.22E-06	4.29E-06	1.41E-05	9.75E-07
8763	470622.76	3820168.72	5.06E-05	2.12E-04	1.91E-05	4.21E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.26E-06	4.34E-06	1.43E-05	9.87E-07
8764	470613.87	3820172.27	5.12E-05	2.15E-04	1.93E-05	4.26E-05	1.58E-04	1.39E-05	4.83E-06	2.77E-05	3.30E-06	4.39E-06	1.45E-05	9.98E-07
8765	470604.99	3820175.82	5.18E-05	2.17E-04	1.96E-05	4.31E-05	1.60E-04	1.41E-05	4.89E-06	2.80E-05	3.34E-06	4.44E-06	1.47E-05	1.01E-06
8766	470596.1	3820179.37	5.24E-05	2.20E-04	1.98E-05	4.36E-05	1.62E-04	1.42E-05	4.95E-06	2.83E-05	3.38E-06	4.50E-06	1.48E-05	1.02E-06
8767	470587.21	3820182.92	5.30E-05	2.23E-04	2.01E-05	4.42E-05	1.64E-04	1.44E-05	5.01E-06	2.87E-05	3.42E-06	4.55E-06	1.50E-05	1.03E-06
8768	470578.32	3820186.47	5.37E-05	2.25E-04	2.03E-05	4.47E-05	1.66E-04	1.46E-05	5.07E-06	2.90E-05	3.46E-06	4.61E-06	1.52E-05	1.05E-06
8769	470569.44	3820190.02	5.43E-05	2.28E-04	2.05E-05	4.53E-05	1.68E-04	1.47E-05	5.13E-06	2.94E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
8770	470560.55	3820193.57	5.50E-05	2.31E-04	2.08E-05	4.58E-05	1.70E-04	1.49E-05	5.19E-06	2.97E-05	3.55E-06	4.72E-06	1.56E-05	1.07E-06
8771	470551.66	3820197.12	5.57E-05	2.34E-04	2.11E-05	4.64E-05	1.72E-04	1.51E-05	5.26E-06	3.01E-05	3.59E-06	4.78E-06	1.58E-05	1.09E-06
8772	470542.78	3820200.67	5.63E-05	2.37E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.32E-06	3.04E-05	3.63E-06	4.84E-06	1.59E-05	1.10E-06
8773	470533.89	3820204.22	5.70E-05	2.39E-04	2.15E-05	4.75E-05	1.76E-04	1.55E-05	5.38E-06	3.08E-05	3.67E-06	4.89E-06	1.61E-05	1.11E-06
8774	470525	3820207.77	5.76E-05	2.42E-04	2.18E-05	4.80E-05	1.78E-04	1.56E-05	5.44E-06	3.11E-05	3.72E-06	4.95E-06	1.63E-05	1.12E-06

8775	470516.12	3820211.32	5.82E-05	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
8776	470507.23	3820214.88	5.88E-05	2.47E-04	2.23E-05	4.90E-05	1.82E-04	1.60E-05	5.56E-06	3.18E-05	3.80E-06	5.05E-06	1.67E-05	1.15E-06
8777	470498.34	3820218.43	5.94E-05	2.50E-04	2.25E-05	4.95E-05	1.83E-04	1.61E-05	5.61E-06	3.21E-05	3.83E-06	5.10E-06	1.68E-05	1.16E-06
8778	470489.45	3820221.98	6.00E-05	2.52E-04	2.27E-05	5.00E-05	1.85E-04	1.63E-05	5.66E-06	3.24E-05	3.87E-06	5.15E-06	1.70E-05	1.17E-06
8779	470480.57	3820225.53	6.05E-05	2.54E-04	2.29E-05	5.04E-05	1.87E-04	1.64E-05	5.72E-06	3.27E-05	3.90E-06	5.20E-06	1.71E-05	1.18E-06
8780	470471.68	3820229.08	6.10E-05	2.56E-04	2.31E-05	5.08E-05	1.88E-04	1.66E-05	5.76E-06	3.30E-05	3.94E-06	5.24E-06	1.73E-05	1.19E-06
8781	470462.79	3820232.63	6.15E-05	2.58E-04	2.33E-05	5.12E-05	1.90E-04	1.67E-05	5.81E-06	3.33E-05	3.97E-06	5.28E-06	1.74E-05	1.20E-06
8782	470453.91	3820236.18	6.20E-05	2.60E-04	2.34E-05	5.16E-05	1.91E-04	1.68E-05	5.85E-06	3.35E-05	4.00E-06	5.32E-06	1.75E-05	1.21E-06
8783	470445.02	3820239.73	6.24E-05	2.62E-04	2.36E-05	5.20E-05	1.93E-04	1.69E-05	5.89E-06	3.37E-05	4.03E-06	5.36E-06	1.77E-05	1.22E-06
8784	470436.13	3820243.28	6.28E-05	2.64E-04	2.38E-05	5.23E-05	1.94E-04	1.71E-05	5.93E-06	3.40E-05	4.05E-06	5.39E-06	1.78E-05	1.23E-06
8785	470427.25	3820246.83	6.32E-05	2.65E-04	2.39E-05	5.26E-05	1.95E-04	1.72E-05	5.97E-06	3.42E-05	4.08E-06	5.43E-06	1.79E-05	1.23E-06
8786	470418.36	3820250.38	6.36E-05	2.67E-04	2.40E-05	5.29E-05	1.96E-04	1.73E-05	6.00E-06	3.44E-05	4.10E-06	5.46E-06	1.80E-05	1.24E-06
8787	470409.47	3820253.93	6.39E-05	2.68E-04	2.42E-05	5.32E-05	1.97E-04	1.73E-05	6.03E-06	3.45E-05	4.12E-06	5.48E-06	1.81E-05	1.25E-06
8788	470400.58	3820257.48	6.42E-05	2.70E-04	2.43E-05	5.35E-05	1.98E-04	1.74E-05	6.06E-06	3.47E-05	4.14E-06	5.51E-06	1.82E-05	1.25E-06
8789	470391.7	3820261.04	6.45E-05	2.71E-04	2.44E-05	5.37E-05	1.99E-04	1.75E-05	6.09E-06	3.49E-05	4.16E-06	5.54E-06	1.83E-05	1.26E-06
8790	470382.81	3820264.59	6.48E-05	2.72E-04	2.45E-05	5.39E-05	2.00E-04	1.76E-05	6.12E-06	3.50E-05	4.18E-06	5.56E-06	1.83E-05	1.26E-06
8791	470373.92	3820268.14	6.50E-05	2.73E-04	2.46E-05	5.42E-05	2.01E-04	1.76E-05	6.14E-06	3.51E-05	4.19E-06	5.58E-06	1.84E-05	1.27E-06
8792	470365.04	3820271.69	6.53E-05	2.74E-04	2.47E-05	5.44E-05	2.01E-04	1.77E-05	6.16E-06	3.53E-05	4.21E-06	5.60E-06	1.85E-05	1.27E-06
8793	470356.15	3820275.24	6.55E-05	2.75E-04	2.48E-05	5.46E-05	2.02E-04	1.78E-05	6.18E-06	3.54E-05	4.22E-06	5.62E-06	1.85E-05	1.28E-06
8794	470347.26	3820278.79	6.57E-05	2.76E-04	2.49E-05	5.48E-05	2.03E-04	1.78E-05	6.21E-06	3.55E-05	4.24E-06	5.64E-06	1.86E-05	1.28E-06
8795	470338.37	3820282.34	6.60E-05	2.77E-04	2.50E-05	5.50E-05	2.04E-04	1.79E-05	6.23E-06	3.57E-05	4.26E-06	5.67E-06	1.87E-05	1.29E-06
8796	470329.49	3820285.89	6.62E-05	2.78E-04	2.51E-05	5.52E-05	2.04E-04	1.80E-05	6.26E-06	3.58E-05	4.27E-06	5.69E-06	1.88E-05	1.29E-06
8797	470320.6	3820289.44	6.65E-05	2.79E-04	2.51E-05	5.54E-05	2.05E-04	1.80E-05	6.28E-06	3.59E-05	4.29E-06	5.71E-06	1.88E-05	1.30E-06
8798	470311.71	3820292.99	6.67E-05	2.80E-04	2.52E-05	5.56E-05	2.06E-04	1.81E-05	6.30E-06	3.61E-05	4.30E-06	5.73E-06	1.89E-05	1.30E-06
8799	470302.83	3820296.54	6.69E-05	2.81E-04	2.53E-05	5.58E-05	2.07E-04	1.82E-05	6.32E-06	3.62E-05	4.32E-06	5.75E-06	1.89E-05	1.31E-06
8800	470293.94	3820300.09	6.72E-05	2.82E-04	2.54E-05	5.60E-05	2.07E-04	1.82E-05	6.34E-06	3.63E-05	4.33E-06	5.77E-06	1.90E-05	1.31E-06
8801	470285.05	3820303.65	6.74E-05	2.83E-04	2.55E-05	5.61E-05	2.08E-04	1.83E-05	6.36E-06	3.64E-05	4.35E-06	5.79E-06	1.91E-05	1.32E-06
8802	470276.17	3820307.2	6.76E-05	2.84E-04	2.56E-05	5.63E-05	2.09E-04	1.84E-05	6.38E-06	3.66E-05	4.36E-06	5.80E-06	1.91E-05	1.32E-06
8803	471139.22	3819458.2	3.96E-05	1.66E-04	1.50E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.72E-07
8804	471139.3	3819448.56	3.94E-05	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.54E-06	3.39E-06	1.12E-05	7.70E-07
8805	471139.38	3819438.91	3.93E-05	1.65E-04	1.49E-05	3.28E-05	1.21E-04	1.07E-05	3.71E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.67E-07
8806	471139.47	3819429.26	3.92E-05	1.65E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.36E-06	1.11E-05	7.65E-07
8807	471139.55	3819419.61	3.90E-05	1.64E-04	1.48E-05	3.25E-05	1.20E-04	1.06E-05	3.68E-06	2.11E-05	2.52E-06	3.35E-06	1.10E-05	7.61E-07
8808	471139.63	3819409.96	3.88E-05	1.63E-04	1.47E-05	3.24E-05	1.20E-04	1.05E-05	3.67E-06	2.10E-05	2.51E-06	3.33E-06	1.10E-05	7.58E-07
8809	471139.71	3819400.31	3.86E-05	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.49E-06	3.32E-06	1.09E-05	7.54E-07
8810	471139.8	3819390.67	3.84E-05	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
8811	471139.88	3819381.02	3.82E-05	1.60E-04	1.44E-05	3.18E-05	1.18E-04	1.04E-05	3.60E-06	2.06E-05	2.46E-06	3.28E-06	1.08E-05	7.45E-07
8812	471139.96	3819371.37	3.79E-05	1.59E-04	1.43E-05	3.16E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.45E-06	3.25E-06	1.07E-05	7.40E-07
8813	471140.05	3819361.72	3.76E-05	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.43E-06	3.23E-06	1.06E-05	7.34E-07
8814	471140.13	3819352.07	3.73E-05	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.52E-06	2.02E-05	2.41E-06	3.20E-06	1.06E-05	7.28E-07
8815	471140.21	3819342.43	3.70E-05	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.49E-06	2.00E-05	2.39E-06	3.17E-06	1.05E-05	7.22E-07
8816	471140.62	3819294.18	3.50E-05	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.50E-06	3.30E-06	1.89E-05	2.26E-06	3.00E-06	9.90E-06	6.83E-07

8817	471140.71	3819284.54	3.45E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.37E-06	3.26E-06	1.87E-05	2.23E-06	2.96E-06	9.77E-06	6.74E-07
8818	471140.79	3819274.89	3.40E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.24E-06	3.21E-06	1.84E-05	2.20E-06	2.92E-06	9.64E-06	6.64E-07
8819	471140.87	3819265.24	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.04E-04	9.11E-06	3.17E-06	1.81E-05	2.16E-06	2.88E-06	9.50E-06	6.55E-07
8820	471140.96	3819255.59	3.30E-05	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.97E-06	3.12E-06	1.79E-05	2.13E-06	2.84E-06	9.35E-06	6.44E-07
8821	471141.04	3819245.94	3.25E-05	1.36E-04	1.23E-05	2.71E-05	1.00E-04	8.82E-06	3.07E-06	1.76E-05	2.10E-06	2.79E-06	9.20E-06	6.34E-07
8822	471215.44	3819467.74	3.37E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.14E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.53E-06	6.57E-07
8823	471211.67	3819476.6	3.40E-05	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.23E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.62E-06	6.63E-07
8824	471207.9	3819485.45	3.43E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.31E-06	3.24E-06	1.85E-05	2.21E-06	2.94E-06	9.71E-06	6.69E-07
8825	471204.13	3819494.31	3.46E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.40E-06	3.27E-06	1.87E-05	2.23E-06	2.97E-06	9.80E-06	6.75E-07
8826	471200.36	3819503.16	3.49E-05	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.48E-06	3.30E-06	1.89E-05	2.25E-06	3.00E-06	9.88E-06	6.81E-07
8827	471196.59	3819512.01	3.52E-05	1.48E-04	1.33E-05	2.93E-05	1.09E-04	9.56E-06	3.32E-06	1.90E-05	2.27E-06	3.02E-06	9.96E-06	6.87E-07
8828	471192.82	3819520.87	3.55E-05	1.49E-04	1.34E-05	2.96E-05	1.09E-04	9.63E-06	3.35E-06	1.92E-05	2.29E-06	3.05E-06	1.00E-05	6.92E-07
8829	471189.05	3819529.72	3.58E-05	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.71E-06	3.38E-06	1.93E-05	2.31E-06	3.07E-06	1.01E-05	6.98E-07
8830	471185.28	3819538.58	3.60E-05	1.51E-04	1.36E-05	3.00E-05	1.11E-04	9.78E-06	3.40E-06	1.95E-05	2.32E-06	3.09E-06	1.02E-05	7.03E-07
8831	471181.51	3819547.43	3.63E-05	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.85E-06	3.43E-06	1.96E-05	2.34E-06	3.12E-06	1.03E-05	7.08E-07
8832	471177.74	3819556.28	3.65E-05	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.92E-06	3.45E-06	1.98E-05	2.36E-06	3.14E-06	1.03E-05	7.13E-07
8833	471173.97	3819565.14	3.68E-05	1.54E-04	1.39E-05	3.06E-05	1.14E-04	9.99E-06	3.47E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.18E-07
8834	471170.2	3819573.99	3.70E-05	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.50E-06	2.00E-05	2.39E-06	3.18E-06	1.05E-05	7.22E-07
8835	471143.8	3819635.97	3.84E-05	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
8836	471140.03	3819644.82	3.86E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
8837	471136.26	3819653.68	3.87E-05	1.63E-04	1.46E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.09E-05	2.50E-06	3.32E-06	1.10E-05	7.56E-07
8838	471132.49	3819662.53	3.89E-05	1.63E-04	1.47E-05	3.24E-05	1.20E-04	1.05E-05	3.67E-06	2.10E-05	2.51E-06	3.34E-06	1.10E-05	7.58E-07
8839	471128.72	3819671.39	3.90E-05	1.64E-04	1.47E-05	3.25E-05	1.20E-04	1.06E-05	3.68E-06	2.11E-05	2.51E-06	3.35E-06	1.10E-05	7.61E-07
8840	471124.95	3819680.24	3.91E-05	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.36E-06	1.11E-05	7.63E-07
8841	471121.18	3819689.1	3.92E-05	1.65E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.36E-06	1.11E-05	7.65E-07
8842	471117.41	3819697.95	3.93E-05	1.65E-04	1.48E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.66E-07
8843	471113.64	3819706.8	3.93E-05	1.65E-04	1.49E-05	3.28E-05	1.21E-04	1.07E-05	3.71E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.68E-07
8844	471109.87	3819715.66	3.94E-05	1.65E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.69E-07
8845	471106.09	3819724.51	3.94E-05	1.66E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.39E-06	1.12E-05	7.70E-07
8846	471102.32	3819733.37	3.95E-05	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.70E-07
8847	471098.55	3819742.22	3.95E-05	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.70E-07
8848	471094.78	3819751.07	3.95E-05	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.71E-07
8849	471091.01	3819759.93	3.95E-05	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.70E-07
8850	471087.24	3819768.78	3.95E-05	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.70E-07
8851	471083.47	3819777.64	3.94E-05	1.66E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.39E-06	1.12E-05	7.69E-07
8852	471079.7	3819786.49	3.94E-05	1.65E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.12E-05	7.69E-07
8853	471075.93	3819795.34	3.93E-05	1.65E-04	1.49E-05	3.28E-05	1.21E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.11E-05	7.68E-07
8854	471072.16	3819804.2	3.93E-05	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.67E-07
8855	471068.39	3819813.05	3.92E-05	1.65E-04	1.48E-05	3.27E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.65E-07
8856	471064.62	3819821.91	3.91E-05	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.52E-06	3.36E-06	1.11E-05	7.64E-07
8857	471060.85	3819830.76	3.91E-05	1.64E-04	1.48E-05	3.25E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.35E-06	1.11E-05	7.62E-07
8858	471057.08	3819839.61	3.90E-05	1.64E-04	1.47E-05	3.25E-05	1.20E-04	1.06E-05	3.68E-06	2.11E-05	2.51E-06	3.35E-06	1.10E-05	7.61E-07

8859	471053.3	3819848.47	3.89E-05	1.63E-04	1.47E-05	3.24E-05	1.20E-04	1.06E-05	3.67E-06	2.10E-05	2.51E-06	3.34E-06	1.10E-05	7.59E-07
8860	471049.53	3819857.32	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
8861	471045.76	3819866.18	3.87E-05	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.50E-06	3.32E-06	1.09E-05	7.55E-07
8862	471041.99	3819875.03	3.86E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.09E-05	2.49E-06	3.31E-06	1.09E-05	7.53E-07
8863	471038.22	3819883.88	3.85E-05	1.62E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
8864	471034.45	3819892.74	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.62E-06	2.07E-05	2.47E-06	3.29E-06	1.09E-05	7.48E-07
8865	471030.68	3819901.59	3.82E-05	1.61E-04	1.45E-05	3.18E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.47E-06	3.28E-06	1.08E-05	7.46E-07
8866	471026.91	3819910.45	3.81E-05	1.60E-04	1.44E-05	3.17E-05	1.18E-04	1.03E-05	3.60E-06	2.06E-05	2.46E-06	3.27E-06	1.08E-05	7.44E-07
8867	471023.14	3819919.3	3.80E-05	1.60E-04	1.44E-05	3.16E-05	1.17E-04	1.03E-05	3.59E-06	2.05E-05	2.45E-06	3.26E-06	1.08E-05	7.41E-07
8868	471019.37	3819928.15	3.79E-05	1.59E-04	1.43E-05	3.15E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.44E-06	3.25E-06	1.07E-05	7.39E-07
8869	471015.6	3819937.01	3.77E-05	1.58E-04	1.43E-05	3.14E-05	1.16E-04	1.02E-05	3.56E-06	2.04E-05	2.43E-06	3.24E-06	1.07E-05	7.36E-07
8870	471011.83	3819945.86	3.76E-05	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.43E-06	3.23E-06	1.06E-05	7.34E-07
8871	471008.06	3819954.72	3.75E-05	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.31E-07
8872	471004.29	3819963.57	3.73E-05	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.53E-06	2.02E-05	2.41E-06	3.21E-06	1.06E-05	7.29E-07
8873	471000.51	3819972.43	3.72E-05	1.56E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.26E-07
8874	470996.74	3819981.28	3.71E-05	1.56E-04	1.40E-05	3.09E-05	1.14E-04	1.01E-05	3.50E-06	2.00E-05	2.39E-06	3.18E-06	1.05E-05	7.23E-07
8875	470992.97	3819990.13	3.69E-05	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.49E-06	2.00E-05	2.38E-06	3.17E-06	1.05E-05	7.21E-07
8876	470989.2	3819998.99	3.68E-05	1.54E-04	1.39E-05	3.06E-05	1.13E-04	9.98E-06	3.47E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.18E-07
8877	470985.43	3820007.84	3.66E-05	1.54E-04	1.38E-05	3.05E-05	1.13E-04	9.94E-06	3.46E-06	1.98E-05	2.36E-06	3.14E-06	1.04E-05	7.15E-07
8878	470981.66	3820016.7	3.65E-05	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.90E-06	3.44E-06	1.97E-05	2.35E-06	3.13E-06	1.03E-05	7.12E-07
8879	470962.81	3820060.97	3.56E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.67E-06	3.36E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.95E-07
8880	470959.04	3820069.82	3.54E-05	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.62E-06	3.35E-06	1.92E-05	2.29E-06	3.04E-06	1.00E-05	6.92E-07
8881	470955.27	3820078.67	3.53E-05	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.57E-06	3.33E-06	1.91E-05	2.27E-06	3.03E-06	9.98E-06	6.88E-07
8882	470951.5	3820087.53	3.51E-05	1.47E-04	1.33E-05	2.92E-05	1.08E-04	9.52E-06	3.31E-06	1.90E-05	2.26E-06	3.01E-06	9.92E-06	6.84E-07
8883	470947.72	3820096.38	3.49E-05	1.46E-04	1.32E-05	2.90E-05	1.08E-04	9.46E-06	3.29E-06	1.88E-05	2.25E-06	2.99E-06	9.87E-06	6.80E-07
8884	470943.95	3820105.24	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.41E-06	3.27E-06	1.87E-05	2.24E-06	2.98E-06	9.81E-06	6.77E-07
8885	470940.18	3820114.09	3.45E-05	1.45E-04	1.30E-05	2.87E-05	1.06E-04	9.36E-06	3.25E-06	1.86E-05	2.22E-06	2.96E-06	9.76E-06	6.73E-07
8886	470927.48	3820126.51	3.45E-05	1.45E-04	1.31E-05	2.87E-05	1.06E-04	9.37E-06	3.26E-06	1.87E-05	2.23E-06	2.96E-06	9.77E-06	6.73E-07
8887	470918.54	3820130.09	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.43E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.78E-07
8888	470909.6	3820133.66	3.50E-05	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.49E-06	3.30E-06	1.89E-05	2.26E-06	3.00E-06	9.90E-06	6.82E-07
8889	470900.67	3820137.23	3.52E-05	1.48E-04	1.33E-05	2.93E-05	1.09E-04	9.55E-06	3.32E-06	1.90E-05	2.27E-06	3.02E-06	9.96E-06	6.87E-07
8890	470891.73	3820140.8	3.54E-05	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.62E-06	3.34E-06	1.91E-05	2.28E-06	3.04E-06	1.00E-05	6.91E-07
8891	470882.79	3820144.37	3.56E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.68E-06	3.37E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.95E-07
8892	470873.86	3820147.94	3.59E-05	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.74E-06	3.39E-06	1.94E-05	2.31E-06	3.08E-06	1.02E-05	7.00E-07
8893	470864.92	3820151.51	3.61E-05	1.52E-04	1.36E-05	3.01E-05	1.11E-04	9.79E-06	3.41E-06	1.95E-05	2.33E-06	3.10E-06	1.02E-05	7.04E-07
8894	470855.98	3820155.08	3.63E-05	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.85E-06	3.43E-06	1.96E-05	2.34E-06	3.12E-06	1.03E-05	7.08E-07
8895	470847.05	3820158.65	3.65E-05	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.92E-06	3.45E-06	1.97E-05	2.36E-06	3.14E-06	1.03E-05	7.13E-07
8896	470838.11	3820162.22	3.68E-05	1.54E-04	1.39E-05	3.06E-05	1.13E-04	9.98E-06	3.47E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.17E-07
8897	470829.17	3820165.79	3.70E-05	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.49E-06	2.00E-05	2.39E-06	3.18E-06	1.05E-05	7.22E-07
8898	470820.24	3820169.36	3.72E-05	1.56E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.52E-06	2.01E-05	2.40E-06	3.20E-06	1.05E-05	7.26E-07
8899	470811.3	3820172.93	3.75E-05	1.57E-04	1.42E-05	3.12E-05	1.16E-04	1.02E-05	3.54E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.31E-07
8900	470802.36	3820176.5	3.77E-05	1.58E-04	1.43E-05	3.14E-05	1.16E-04	1.02E-05	3.56E-06	2.04E-05	2.43E-06	3.24E-06	1.07E-05	7.36E-07

8901	470793.43	3820180.07	3.80E-05	1.59E-04	1.44E-05	3.16E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.45E-06	3.26E-06	1.07E-05	7.41E-07
8902	470784.49	3820183.64	3.82E-05	1.60E-04	1.45E-05	3.18E-05	1.18E-04	1.04E-05	3.61E-06	2.07E-05	2.46E-06	3.28E-06	1.08E-05	7.46E-07
8903	470704.06	3820215.78	4.12E-05	1.73E-04	1.56E-05	3.43E-05	1.27E-04	1.12E-05	3.89E-06	2.23E-05	2.65E-06	3.53E-06	1.17E-05	8.03E-07
8904	470695.12	3820219.35	4.16E-05	1.75E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.93E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.11E-07
8905	470686.19	3820222.92	4.20E-05	1.76E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.96E-06	2.27E-05	2.71E-06	3.60E-06	1.19E-05	8.19E-07
8906	470677.25	3820226.49	4.24E-05	1.78E-04	1.60E-05	3.53E-05	1.31E-04	1.15E-05	4.01E-06	2.29E-05	2.74E-06	3.64E-06	1.20E-05	8.28E-07
8907	470668.31	3820230.06	4.29E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.77E-06	3.68E-06	1.21E-05	8.37E-07
8908	470659.38	3820233.63	4.34E-05	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.09E-06	2.34E-05	2.80E-06	3.72E-06	1.23E-05	8.46E-07
8909	470650.44	3820237.2	4.38E-05	1.84E-04	1.66E-05	3.65E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.76E-06	1.24E-05	8.55E-07
8910	470641.5	3820240.77	4.44E-05	1.86E-04	1.68E-05	3.70E-05	1.37E-04	1.20E-05	4.19E-06	2.40E-05	2.86E-06	3.81E-06	1.26E-05	8.66E-07
8911	470632.57	3820244.34	4.49E-05	1.89E-04	1.70E-05	3.74E-05	1.39E-04	1.22E-05	4.24E-06	2.43E-05	2.90E-06	3.85E-06	1.27E-05	8.76E-07
8912	470623.63	3820247.92	4.54E-05	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.23E-05	4.29E-06	2.46E-05	2.93E-06	3.90E-06	1.29E-05	8.87E-07
8913	470614.69	3820251.49	4.60E-05	1.93E-04	1.74E-05	3.83E-05	1.42E-04	1.25E-05	4.34E-06	2.49E-05	2.97E-06	3.95E-06	1.30E-05	8.97E-07
8914	470605.76	3820255.06	4.65E-05	1.95E-04	1.76E-05	3.88E-05	1.44E-04	1.26E-05	4.39E-06	2.52E-05	3.00E-06	4.00E-06	1.32E-05	9.08E-07
8915	470596.82	3820258.63	4.71E-05	1.98E-04	1.78E-05	3.92E-05	1.45E-04	1.28E-05	4.45E-06	2.55E-05	3.04E-06	4.04E-06	1.33E-05	9.19E-07
8916	470587.88	3820262.2	4.77E-05	2.00E-04	1.80E-05	3.97E-05	1.47E-04	1.29E-05	4.50E-06	2.58E-05	3.07E-06	4.09E-06	1.35E-05	9.30E-07
8917	470578.95	3820265.77	4.82E-05	2.02E-04	1.82E-05	4.02E-05	1.49E-04	1.31E-05	4.55E-06	2.61E-05	3.11E-06	4.14E-06	1.36E-05	9.41E-07
8918	470570.01	3820269.34	4.88E-05	2.05E-04	1.84E-05	4.06E-05	1.50E-04	1.32E-05	4.60E-06	2.64E-05	3.14E-06	4.19E-06	1.38E-05	9.51E-07
8919	470561.07	3820272.91	4.93E-05	2.07E-04	1.86E-05	4.11E-05	1.52E-04	1.34E-05	4.66E-06	2.67E-05	3.18E-06	4.23E-06	1.40E-05	9.62E-07
8920	470552.14	3820276.48	4.98E-05	2.09E-04	1.88E-05	4.15E-05	1.54E-04	1.35E-05	4.71E-06	2.69E-05	3.21E-06	4.28E-06	1.41E-05	9.72E-07
8921	470543.2	3820280.05	5.04E-05	2.11E-04	1.90E-05	4.19E-05	1.55E-04	1.37E-05	4.75E-06	2.72E-05	3.25E-06	4.32E-06	1.43E-05	9.83E-07
8922	470534.26	3820283.62	5.09E-05	2.14E-04	1.92E-05	4.24E-05	1.57E-04	1.38E-05	4.80E-06	2.75E-05	3.28E-06	4.37E-06	1.44E-05	9.92E-07
8923	470525.33	3820287.19	5.14E-05	2.16E-04	1.94E-05	4.28E-05	1.58E-04	1.39E-05	4.85E-06	2.78E-05	3.31E-06	4.41E-06	1.45E-05	1.00E-06
8924	470516.39	3820290.76	5.18E-05	2.18E-04	1.96E-05	4.32E-05	1.60E-04	1.41E-05	4.89E-06	2.80E-05	3.34E-06	4.45E-06	1.47E-05	1.01E-06
8925	470507.45	3820294.33	5.23E-05	2.20E-04	1.98E-05	4.36E-05	1.61E-04	1.42E-05	4.94E-06	2.83E-05	3.37E-06	4.49E-06	1.48E-05	1.02E-06
8926	470498.52	3820297.9	5.27E-05	2.21E-04	1.99E-05	4.39E-05	1.63E-04	1.43E-05	4.98E-06	2.85E-05	3.40E-06	4.53E-06	1.49E-05	1.03E-06
8927	470489.58	3820301.47	5.32E-05	2.23E-04	2.01E-05	4.43E-05	1.64E-04	1.44E-05	5.02E-06	2.87E-05	3.43E-06	4.56E-06	1.50E-05	1.04E-06
8928	470480.64	3820305.04	5.35E-05	2.25E-04	2.03E-05	4.46E-05	1.65E-04	1.45E-05	5.06E-06	2.89E-05	3.45E-06	4.60E-06	1.52E-05	1.04E-06
8929	470471.71	3820308.62	5.39E-05	2.26E-04	2.04E-05	4.49E-05	1.66E-04	1.46E-05	5.09E-06	2.91E-05	3.48E-06	4.63E-06	1.53E-05	1.05E-06
8930	470462.77	3820312.19	5.42E-05	2.28E-04	2.05E-05	4.52E-05	1.67E-04	1.47E-05	5.12E-06	2.93E-05	3.50E-06	4.66E-06	1.54E-05	1.06E-06
8931	470453.83	3820315.76	5.45E-05	2.29E-04	2.06E-05	4.54E-05	1.68E-04	1.48E-05	5.15E-06	2.95E-05	3.52E-06	4.68E-06	1.54E-05	1.06E-06
8932	470444.9	3820319.33	5.48E-05	2.30E-04	2.07E-05	4.57E-05	1.69E-04	1.49E-05	5.18E-06	2.96E-05	3.54E-06	4.71E-06	1.55E-05	1.07E-06
8933	470435.96	3820322.9	5.51E-05	2.31E-04	2.08E-05	4.59E-05	1.70E-04	1.50E-05	5.20E-06	2.98E-05	3.55E-06	4.73E-06	1.56E-05	1.08E-06
8934	470427.02	3820326.47	5.54E-05	2.32E-04	2.09E-05	4.61E-05	1.71E-04	1.50E-05	5.23E-06	2.99E-05	3.57E-06	4.75E-06	1.57E-05	1.08E-06
8935	470418.09	3820330.04	5.56E-05	2.34E-04	2.10E-05	4.63E-05	1.72E-04	1.51E-05	5.25E-06	3.01E-05	3.59E-06	4.77E-06	1.57E-05	1.09E-06
8936	470409.15	3820333.61	5.59E-05	2.35E-04	2.11E-05	4.65E-05	1.72E-04	1.52E-05	5.27E-06	3.02E-05	3.60E-06	4.79E-06	1.58E-05	1.09E-06
8937	470400.21	3820337.18	5.61E-05	2.35E-04	2.12E-05	4.67E-05	1.73E-04	1.52E-05	5.29E-06	3.03E-05	3.62E-06	4.81E-06	1.59E-05	1.09E-06
8938	470391.28	3820340.75	5.63E-05	2.36E-04	2.13E-05	4.69E-05	1.74E-04	1.53E-05	5.31E-06	3.04E-05	3.63E-06	4.83E-06	1.59E-05	1.10E-06
8939	470382.34	3820344.32	5.65E-05	2.37E-04	2.14E-05	4.70E-05	1.74E-04	1.53E-05	5.33E-06	3.05E-05	3.64E-06	4.85E-06	1.60E-05	1.10E-06
8940	470373.4	3820347.89	5.67E-05	2.38E-04	2.14E-05	4.72E-05	1.75E-04	1.54E-05	5.35E-06	3.06E-05	3.65E-06	4.86E-06	1.60E-05	1.11E-06
8941	470364.47	3820351.46	5.68E-05	2.39E-04	2.15E-05	4.73E-05	1.75E-04	1.54E-05	5.37E-06	3.07E-05	3.67E-06	4.88E-06	1.61E-05	1.11E-06
8942	470355.53	3820355.03	5.70E-05	2.39E-04	2.16E-05	4.75E-05	1.76E-04	1.55E-05	5.38E-06	3.08E-05	3.68E-06	4.90E-06	1.61E-05	1.11E-06

8943	470346.59	3820358.6	5.72E-05	2.40E-04	2.16E-05	4.76E-05	1.77E-04	1.55E-05	5.40E-06	3.09E-05	3.69E-06	4.91E-06	1.62E-05	1.12E-06
8944	470337.66	3820362.17	5.74E-05	2.41E-04	2.17E-05	4.78E-05	1.77E-04	1.56E-05	5.42E-06	3.10E-05	3.70E-06	4.93E-06	1.62E-05	1.12E-06
8945	470328.72	3820365.74	5.75E-05	2.42E-04	2.18E-05	4.79E-05	1.78E-04	1.56E-05	5.43E-06	3.11E-05	3.71E-06	4.94E-06	1.63E-05	1.12E-06
8946	470319.78	3820369.32	5.77E-05	2.42E-04	2.18E-05	4.81E-05	1.78E-04	1.57E-05	5.45E-06	3.12E-05	3.72E-06	4.95E-06	1.63E-05	1.13E-06
8947	470310.85	3820372.89	5.79E-05	2.43E-04	2.19E-05	4.82E-05	1.79E-04	1.57E-05	5.46E-06	3.13E-05	3.73E-06	4.97E-06	1.64E-05	1.13E-06
8948	470301.91	3820376.46	5.80E-05	2.44E-04	2.20E-05	4.83E-05	1.79E-04	1.58E-05	5.48E-06	3.14E-05	3.74E-06	4.98E-06	1.64E-05	1.13E-06
8949	470292.97	3820380.03	5.82E-05	2.45E-04	2.20E-05	4.85E-05	1.80E-04	1.58E-05	5.50E-06	3.15E-05	3.76E-06	5.00E-06	1.65E-05	1.14E-06
8950	470284.04	3820383.6	5.84E-05	2.45E-04	2.21E-05	4.87E-05	1.80E-04	1.59E-05	5.52E-06	3.16E-05	3.77E-06	5.02E-06	1.65E-05	1.14E-06
8951	470275.1	3820387.17	5.86E-05	2.46E-04	2.22E-05	4.88E-05	1.81E-04	1.59E-05	5.53E-06	3.17E-05	3.78E-06	5.03E-06	1.66E-05	1.14E-06
8952	471219.22	3819458.89	3.34E-05	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.05E-06	3.15E-06	1.80E-05	2.15E-06	2.86E-06	9.44E-06	6.51E-07
8953	471219.3	3819449.24	3.33E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.03E-06	3.14E-06	1.80E-05	2.15E-06	2.86E-06	9.41E-06	6.49E-07
8954	471219.38	3819439.59	3.32E-05	1.39E-04	1.25E-05	2.76E-05	1.02E-04	9.00E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.39E-06	6.47E-07
8955	471219.79	3819391.35	3.24E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.18E-06	6.33E-07
8956	471219.88	3819381.7	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.94E-05	8.75E-06	3.04E-06	1.74E-05	2.08E-06	2.77E-06	9.12E-06	6.29E-07
8957	471219.96	3819372.06	3.20E-05	1.34E-04	1.21E-05	2.67E-05	9.88E-05	8.69E-06	3.02E-06	1.73E-05	2.06E-06	2.75E-06	9.06E-06	6.25E-07
8958	471220.04	3819362.41	3.18E-05	1.33E-04	1.20E-05	2.65E-05	9.81E-05	8.63E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	9.00E-06	6.20E-07
8959	471220.13	3819352.76	3.15E-05	1.32E-04	1.19E-05	2.63E-05	9.73E-05	8.56E-06	2.98E-06	1.71E-05	2.03E-06	2.71E-06	8.93E-06	6.15E-07
8960	471220.21	3819343.11	3.13E-05	1.31E-04	1.18E-05	2.61E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.69E-06	8.85E-06	6.10E-07
8961	471220.29	3819333.46	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.57E-05	8.42E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.78E-06	6.05E-07
8962	471220.37	3819323.82	3.07E-05	1.29E-04	1.16E-05	2.56E-05	9.48E-05	8.34E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.69E-06	5.99E-07
8963	471220.46	3819314.17	3.04E-05	1.28E-04	1.15E-05	2.53E-05	9.38E-05	8.25E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.61E-06	5.93E-07
8964	471220.54	3819304.52	3.01E-05	1.26E-04	1.14E-05	2.51E-05	9.28E-05	8.16E-06	2.84E-06	1.63E-05	1.94E-06	2.58E-06	8.51E-06	5.87E-07
8965	471220.62	3819294.87	2.97E-05	1.25E-04	1.12E-05	2.48E-05	9.17E-05	8.07E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.42E-06	5.80E-07
8966	471220.7	3819285.22	2.94E-05	1.23E-04	1.11E-05	2.45E-05	9.06E-05	7.97E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.31E-06	5.73E-07
8967	471220.79	3819275.57	2.90E-05	1.22E-04	1.10E-05	2.42E-05	8.95E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.21E-06	5.66E-07
8968	471220.87	3819265.93	2.86E-05	1.20E-04	1.08E-05	2.38E-05	8.83E-05	7.77E-06	2.70E-06	1.55E-05	1.85E-06	2.46E-06	8.10E-06	5.59E-07
8969	471220.95	3819256.28	2.82E-05	1.19E-04	1.07E-05	2.35E-05	8.71E-05	7.66E-06	2.67E-06	1.53E-05	1.82E-06	2.42E-06	7.99E-06	5.51E-07
8970	471221.04	3819246.63	2.78E-05	1.17E-04	1.05E-05	2.32E-05	8.58E-05	7.55E-06	2.63E-06	1.50E-05	1.79E-06	2.39E-06	7.87E-06	5.43E-07
8971	471269.27	3819529.88	3.04E-05	1.28E-04	1.15E-05	2.54E-05	9.39E-05	8.26E-06	2.87E-06	1.65E-05	1.96E-06	2.61E-06	8.62E-06	5.94E-07
8972	471265.53	3819538.66	3.07E-05	1.29E-04	1.16E-05	2.55E-05	9.46E-05	8.32E-06	2.90E-06	1.66E-05	1.98E-06	2.63E-06	8.68E-06	5.98E-07
8973	471261.79	3819547.45	3.09E-05	1.30E-04	1.17E-05	2.57E-05	9.53E-05	8.38E-06	2.92E-06	1.67E-05	1.99E-06	2.65E-06	8.74E-06	6.03E-07
8974	471258.05	3819556.24	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.60E-05	8.44E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.80E-06	6.07E-07
8975	471254.3	3819565.02	3.13E-05	1.31E-04	1.18E-05	2.61E-05	9.66E-05	8.50E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.86E-06	6.11E-07
8976	471250.56	3819573.81	3.15E-05	1.32E-04	1.19E-05	2.62E-05	9.72E-05	8.55E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.92E-06	6.15E-07
8977	471246.82	3819582.6	3.17E-05	1.33E-04	1.20E-05	2.64E-05	9.78E-05	8.61E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.97E-06	6.19E-07
8978	471243.08	3819591.39	3.19E-05	1.34E-04	1.21E-05	2.66E-05	9.84E-05	8.66E-06	3.01E-06	1.72E-05	2.06E-06	2.74E-06	9.03E-06	6.22E-07
8979	471239.34	3819600.17	3.21E-05	1.35E-04	1.21E-05	2.67E-05	9.90E-05	8.71E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.08E-06	6.26E-07
8980	471235.59	3819608.96	3.23E-05	1.35E-04	1.22E-05	2.69E-05	9.95E-05	8.76E-06	3.05E-06	1.74E-05	2.08E-06	2.77E-06	9.13E-06	6.29E-07
8981	471231.85	3819617.75	3.24E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.18E-06	6.33E-07
8982	471228.11	3819626.54	3.26E-05	1.37E-04	1.23E-05	2.72E-05	1.01E-04	8.85E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.23E-06	6.36E-07
8983	471224.37	3819635.32	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.89E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.27E-06	6.39E-07
8984	471220.62	3819644.11	3.29E-05	1.38E-04	1.24E-05	2.74E-05	1.02E-04	8.94E-06	3.11E-06	1.78E-05	2.12E-06	2.83E-06	9.32E-06	6.42E-07

8985	471216.88	3819652.9	3.31E-05	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.97E-06	3.12E-06	1.79E-05	2.13E-06	2.84E-06	9.36E-06	6.45E-07
8986	471213.14	3819661.69	3.32E-05	1.39E-04	1.26E-05	2.77E-05	1.02E-04	9.01E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
8987	471209.4	3819670.47	3.33E-05	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.05E-06	3.15E-06	1.80E-05	2.15E-06	2.86E-06	9.43E-06	6.50E-07
8988	471205.65	3819679.26	3.34E-05	1.40E-04	1.27E-05	2.79E-05	1.03E-04	9.08E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.47E-06	6.53E-07
8989	471201.91	3819688.05	3.36E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.11E-06	3.17E-06	1.81E-05	2.16E-06	2.88E-06	9.50E-06	6.55E-07
8990	471198.17	3819696.84	3.37E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.14E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.53E-06	6.57E-07
8991	471194.43	3819705.62	3.38E-05	1.42E-04	1.28E-05	2.81E-05	1.04E-04	9.16E-06	3.19E-06	1.82E-05	2.18E-06	2.90E-06	9.56E-06	6.59E-07
8992	471190.68	3819714.41	3.38E-05	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.19E-06	3.20E-06	1.83E-05	2.18E-06	2.90E-06	9.58E-06	6.60E-07
8993	471186.94	3819723.2	3.39E-05	1.42E-04	1.28E-05	2.82E-05	1.05E-04	9.21E-06	3.20E-06	1.83E-05	2.19E-06	2.91E-06	9.60E-06	6.62E-07
8994	471183.2	3819731.99	3.40E-05	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.22E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.62E-06	6.63E-07
8995	471179.46	3819740.77	3.40E-05	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.24E-06	3.21E-06	1.84E-05	2.20E-06	2.92E-06	9.63E-06	6.64E-07
8996	471175.72	3819749.56	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.64E-06	6.65E-07
8997	471171.97	3819758.35	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.26E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.65E-06	6.66E-07
8998	471168.23	3819767.14	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.22E-06	1.85E-05	2.20E-06	2.93E-06	9.66E-06	6.66E-07
8999	471164.49	3819775.92	3.42E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.22E-06	1.85E-05	2.20E-06	2.93E-06	9.67E-06	6.66E-07
9000	471160.75	3819784.71	3.42E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.23E-06	1.85E-05	2.20E-06	2.93E-06	9.67E-06	6.66E-07
9001	471157	3819793.5	3.42E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.22E-06	1.85E-05	2.20E-06	2.93E-06	9.67E-06	6.66E-07
9002	471153.26	3819802.29	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.22E-06	1.85E-05	2.20E-06	2.93E-06	9.66E-06	6.66E-07
9003	471149.52	3819811.07	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.26E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.66E-06	6.66E-07
9004	471145.78	3819819.86	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.65E-06	6.65E-07
9005	471142.03	3819828.65	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.24E-06	3.22E-06	1.84E-05	2.20E-06	2.92E-06	9.64E-06	6.64E-07
9006	471138.29	3819837.44	3.40E-05	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.23E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.63E-06	6.64E-07
9007	471134.55	3819846.22	3.40E-05	1.43E-04	1.28E-05	2.83E-05	1.05E-04	9.22E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.61E-06	6.63E-07
9008	471130.81	3819855.01	3.39E-05	1.42E-04	1.28E-05	2.82E-05	1.05E-04	9.20E-06	3.20E-06	1.83E-05	2.19E-06	2.91E-06	9.60E-06	6.62E-07
9009	471127.07	3819863.8	3.38E-05	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.19E-06	3.20E-06	1.83E-05	2.18E-06	2.91E-06	9.58E-06	6.60E-07
9010	471123.32	3819872.59	3.38E-05	1.42E-04	1.28E-05	2.81E-05	1.04E-04	9.17E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.56E-06	6.59E-07
9011	471119.58	3819881.37	3.37E-05	1.42E-04	1.27E-05	2.81E-05	1.04E-04	9.15E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.54E-06	6.58E-07
9012	471115.84	3819890.16	3.36E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.13E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.52E-06	6.56E-07
9013	471112.1	3819898.95	3.36E-05	1.41E-04	1.27E-05	2.79E-05	1.04E-04	9.11E-06	3.17E-06	1.81E-05	2.16E-06	2.88E-06	9.50E-06	6.55E-07
9014	471108.35	3819907.73	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.48E-06	6.53E-07
9015	471104.61	3819916.52	3.34E-05	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.06E-06	3.15E-06	1.81E-05	2.15E-06	2.87E-06	9.45E-06	6.52E-07
9016	471100.87	3819925.31	3.33E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.04E-06	3.14E-06	1.80E-05	2.15E-06	2.86E-06	9.43E-06	6.50E-07
9017	471097.13	3819934.1	3.32E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.02E-06	3.14E-06	1.80E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
9018	471093.38	3819942.88	3.31E-05	1.39E-04	1.25E-05	2.76E-05	1.02E-04	8.99E-06	3.13E-06	1.79E-05	2.14E-06	2.84E-06	9.38E-06	6.46E-07
9019	471089.64	3819951.67	3.30E-05	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.97E-06	3.12E-06	1.79E-05	2.13E-06	2.84E-06	9.35E-06	6.45E-07
9020	471085.9	3819960.46	3.29E-05	1.38E-04	1.25E-05	2.74E-05	1.02E-04	8.94E-06	3.11E-06	1.78E-05	2.13E-06	2.83E-06	9.33E-06	6.43E-07
9021	471082.16	3819969.25	3.29E-05	1.38E-04	1.24E-05	2.74E-05	1.01E-04	8.92E-06	3.10E-06	1.78E-05	2.12E-06	2.82E-06	9.30E-06	6.41E-07
9022	471078.41	3819978.03	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.89E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.27E-06	6.39E-07
9023	471074.67	3819986.82	3.27E-05	1.37E-04	1.24E-05	2.72E-05	1.01E-04	8.87E-06	3.08E-06	1.77E-05	2.11E-06	2.80E-06	9.24E-06	6.37E-07
9024	471070.93	3819995.61	3.26E-05	1.37E-04	1.23E-05	2.71E-05	1.00E-04	8.84E-06	3.07E-06	1.76E-05	2.10E-06	2.80E-06	9.22E-06	6.35E-07
9025	471067.19	3820004.4	3.25E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.81E-06	3.07E-06	1.75E-05	2.09E-06	2.79E-06	9.19E-06	6.33E-07
9026	471063.45	3820013.18	3.24E-05	1.36E-04	1.22E-05	2.70E-05	9.99E-05	8.78E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.16E-06	6.31E-07

9027	471059.7	3820021.97	3.23E-05	1.35E-04	1.22E-05	2.69E-05	9.96E-05	8.76E-06	3.05E-06	1.74E-05	2.08E-06	2.77E-06	9.13E-06	6.29E-07
9028	471055.96	3820030.76	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.92E-05	8.73E-06	3.04E-06	1.74E-05	2.07E-06	2.76E-06	9.10E-06	6.27E-07
9029	471052.22	3820039.55	3.20E-05	1.35E-04	1.21E-05	2.67E-05	9.89E-05	8.70E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.07E-06	6.25E-07
9030	471048.48	3820048.33	3.19E-05	1.34E-04	1.21E-05	2.66E-05	9.86E-05	8.67E-06	3.02E-06	1.73E-05	2.06E-06	2.74E-06	9.04E-06	6.23E-07
9031	471044.73	3820057.12	3.18E-05	1.34E-04	1.20E-05	2.65E-05	9.82E-05	8.64E-06	3.01E-06	1.72E-05	2.05E-06	2.73E-06	9.01E-06	6.21E-07
9032	471040.99	3820065.91	3.17E-05	1.33E-04	1.20E-05	2.64E-05	9.79E-05	8.61E-06	2.99E-06	1.71E-05	2.05E-06	2.72E-06	8.98E-06	6.19E-07
9033	471037.25	3820074.7	3.16E-05	1.33E-04	1.19E-05	2.63E-05	9.75E-05	8.58E-06	2.98E-06	1.71E-05	2.04E-06	2.71E-06	8.94E-06	6.16E-07
9034	471033.51	3820083.48	3.15E-05	1.32E-04	1.19E-05	2.62E-05	9.71E-05	8.54E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.91E-06	6.14E-07
9035	471029.76	3820092.27	3.13E-05	1.32E-04	1.19E-05	2.61E-05	9.67E-05	8.51E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.87E-06	6.11E-07
9036	471026.02	3820101.06	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.63E-05	8.47E-06	2.95E-06	1.69E-05	2.01E-06	2.68E-06	8.83E-06	6.09E-07
9037	471022.28	3820109.85	3.11E-05	1.31E-04	1.18E-05	2.59E-05	9.59E-05	8.44E-06	2.93E-06	1.68E-05	2.00E-06	2.67E-06	8.80E-06	6.06E-07
9038	471018.54	3820118.63	3.09E-05	1.30E-04	1.17E-05	2.58E-05	9.55E-05	8.40E-06	2.92E-06	1.67E-05	2.00E-06	2.66E-06	8.76E-06	6.04E-07
9039	471014.8	3820127.42	3.08E-05	1.29E-04	1.16E-05	2.57E-05	9.50E-05	8.36E-06	2.91E-06	1.67E-05	1.99E-06	2.64E-06	8.72E-06	6.01E-07
9040	471011.05	3820136.21	3.07E-05	1.29E-04	1.16E-05	2.55E-05	9.46E-05	8.32E-06	2.90E-06	1.66E-05	1.98E-06	2.63E-06	8.68E-06	5.98E-07
9041	471007.31	3820145	3.05E-05	1.28E-04	1.15E-05	2.54E-05	9.41E-05	8.28E-06	2.88E-06	1.65E-05	1.97E-06	2.62E-06	8.64E-06	5.95E-07
9042	471003.57	3820153.78	3.04E-05	1.27E-04	1.15E-05	2.53E-05	9.37E-05	8.24E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.59E-06	5.92E-07
9043	470999.83	3820162.57	3.02E-05	1.27E-04	1.14E-05	2.52E-05	9.32E-05	8.20E-06	2.85E-06	1.63E-05	1.95E-06	2.59E-06	8.55E-06	5.89E-07
9044	470996.08	3820171.36	3.00E-05	1.26E-04	1.14E-05	2.50E-05	9.27E-05	8.15E-06	2.84E-06	1.62E-05	1.94E-06	2.58E-06	8.50E-06	5.86E-07
9045	470965.73	3820190.78	3.04E-05	1.28E-04	1.15E-05	2.54E-05	9.39E-05	8.26E-06	2.87E-06	1.65E-05	1.96E-06	2.61E-06	8.62E-06	5.94E-07
9046	470956.86	3820194.32	3.06E-05	1.29E-04	1.16E-05	2.55E-05	9.45E-05	8.31E-06	2.89E-06	1.66E-05	1.98E-06	2.63E-06	8.67E-06	5.98E-07
9047	470947.99	3820197.86	3.08E-05	1.29E-04	1.17E-05	2.57E-05	9.51E-05	8.36E-06	2.91E-06	1.67E-05	1.99E-06	2.65E-06	8.72E-06	6.01E-07
9048	470939.12	3820201.41	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.56E-05	8.41E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.77E-06	6.05E-07
9049	470930.26	3820204.95	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.62E-05	8.46E-06	2.94E-06	1.69E-05	2.01E-06	2.68E-06	8.83E-06	6.08E-07
9050	470921.39	3820208.5	3.14E-05	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.51E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
9051	470912.52	3820212.04	3.15E-05	1.32E-04	1.19E-05	2.63E-05	9.73E-05	8.56E-06	2.98E-06	1.71E-05	2.03E-06	2.71E-06	8.93E-06	6.15E-07
9052	470903.65	3820215.58	3.17E-05	1.33E-04	1.20E-05	2.64E-05	9.79E-05	8.61E-06	2.99E-06	1.71E-05	2.05E-06	2.72E-06	8.98E-06	6.19E-07
9053	470894.78	3820219.13	3.19E-05	1.34E-04	1.21E-05	2.66E-05	9.84E-05	8.66E-06	3.01E-06	1.72E-05	2.06E-06	2.74E-06	9.03E-06	6.22E-07
9054	470885.91	3820222.67	3.21E-05	1.35E-04	1.21E-05	2.67E-05	9.90E-05	8.71E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.08E-06	6.26E-07
9055	470877.04	3820226.21	3.23E-05	1.35E-04	1.22E-05	2.69E-05	9.96E-05	8.76E-06	3.05E-06	1.74E-05	2.08E-06	2.77E-06	9.13E-06	6.29E-07
9056	470868.17	3820229.76	3.24E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.81E-06	3.06E-06	1.75E-05	2.09E-06	2.79E-06	9.18E-06	6.33E-07
9057	470859.3	3820233.3	3.26E-05	1.37E-04	1.23E-05	2.72E-05	1.01E-04	8.86E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.24E-06	6.37E-07
9058	470850.43	3820236.84	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.91E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.40E-07
9059	470841.56	3820240.39	3.30E-05	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.96E-06	3.12E-06	1.78E-05	2.13E-06	2.83E-06	9.34E-06	6.44E-07
9060	470832.69	3820243.93	3.32E-05	1.39E-04	1.26E-05	2.76E-05	1.02E-04	9.01E-06	3.13E-06	1.79E-05	2.14E-06	2.85E-06	9.40E-06	6.48E-07
9061	470823.82	3820247.48	3.34E-05	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.07E-06	3.15E-06	1.81E-05	2.15E-06	2.87E-06	9.46E-06	6.52E-07
9062	470814.95	3820251.02	3.36E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.13E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.52E-06	6.56E-07
9063	470806.08	3820254.56	3.39E-05	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.19E-06	3.20E-06	1.83E-05	2.18E-06	2.91E-06	9.58E-06	6.61E-07
9064	470726.26	3820286.46	3.64E-05	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.89E-06	3.44E-06	1.97E-05	2.35E-06	3.13E-06	1.03E-05	7.11E-07
9065	470717.39	3820290	3.68E-05	1.54E-04	1.39E-05	3.06E-05	1.14E-04	9.99E-06	3.47E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.18E-07
9066	470708.52	3820293.54	3.72E-05	1.56E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.25E-07
9067	470699.65	3820297.09	3.76E-05	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.33E-07
9068	470690.78	3820300.63	3.80E-05	1.59E-04	1.44E-05	3.16E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.45E-06	3.26E-06	1.07E-05	7.41E-07

9069	470681.91	3820304.18	3.84E-05	1.61E-04	1.45E-05	3.20E-05	1.18E-04	1.04E-05	3.62E-06	2.07E-05	2.47E-06	3.29E-06	1.09E-05	7.49E-07
9070	470673.04	3820307.72	3.88E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.10E-05	2.50E-06	3.33E-06	1.10E-05	7.57E-07
9071	470664.17	3820311.26	3.92E-05	1.65E-04	1.48E-05	3.27E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.65E-07
9072	470655.3	3820314.81	3.97E-05	1.67E-04	1.50E-05	3.30E-05	1.22E-04	1.08E-05	3.75E-06	2.14E-05	2.56E-06	3.41E-06	1.12E-05	7.74E-07
9073	470646.44	3820318.35	4.01E-05	1.68E-04	1.52E-05	3.34E-05	1.24E-04	1.09E-05	3.79E-06	2.17E-05	2.59E-06	3.44E-06	1.14E-05	7.83E-07
9074	470637.57	3820321.89	4.06E-05	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.92E-07
9075	470628.7	3820325.44	4.10E-05	1.72E-04	1.55E-05	3.42E-05	1.27E-04	1.11E-05	3.88E-06	2.22E-05	2.65E-06	3.52E-06	1.16E-05	8.01E-07
9076	470619.83	3820328.98	4.15E-05	1.74E-04	1.57E-05	3.46E-05	1.28E-04	1.13E-05	3.92E-06	2.24E-05	2.68E-06	3.56E-06	1.17E-05	8.10E-07
9077	470610.96	3820332.53	4.20E-05	1.76E-04	1.59E-05	3.50E-05	1.30E-04	1.14E-05	3.96E-06	2.27E-05	2.71E-06	3.60E-06	1.19E-05	8.19E-07
9078	470602.09	3820336.07	4.25E-05	1.78E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.01E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.29E-07
9079	470593.22	3820339.61	4.29E-05	1.80E-04	1.62E-05	3.58E-05	1.32E-04	1.17E-05	4.05E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.38E-07
9080	470584.35	3820343.16	4.34E-05	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.72E-06	1.23E-05	8.47E-07
9081	470575.48	3820346.7	4.38E-05	1.84E-04	1.66E-05	3.65E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.76E-06	1.24E-05	8.55E-07
9082	470566.61	3820350.24	4.43E-05	1.86E-04	1.67E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.39E-05	2.86E-06	3.80E-06	1.25E-05	8.64E-07
9083	470557.74	3820353.79	4.47E-05	1.88E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.22E-06	2.42E-05	2.88E-06	3.84E-06	1.27E-05	8.72E-07
9084	470548.87	3820357.33	4.51E-05	1.89E-04	1.71E-05	3.76E-05	1.39E-04	1.22E-05	4.26E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.80E-07
9085	470540	3820360.88	4.55E-05	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.24E-05	4.30E-06	2.46E-05	2.94E-06	3.91E-06	1.29E-05	8.88E-07
9086	470531.13	3820364.42	4.59E-05	1.93E-04	1.74E-05	3.82E-05	1.42E-04	1.25E-05	4.33E-06	2.48E-05	2.96E-06	3.94E-06	1.30E-05	8.95E-07
9087	470522.26	3820367.96	4.62E-05	1.94E-04	1.75E-05	3.85E-05	1.43E-04	1.26E-05	4.37E-06	2.50E-05	2.98E-06	3.97E-06	1.31E-05	9.02E-07
9088	470513.39	3820371.51	4.66E-05	1.96E-04	1.76E-05	3.88E-05	1.44E-04	1.26E-05	4.40E-06	2.52E-05	3.00E-06	4.00E-06	1.32E-05	9.09E-07
9089	470504.52	3820375.05	4.69E-05	1.97E-04	1.77E-05	3.91E-05	1.45E-04	1.27E-05	4.43E-06	2.54E-05	3.02E-06	4.03E-06	1.33E-05	9.15E-07
9090	470495.66	3820378.59	4.72E-05	1.98E-04	1.78E-05	3.93E-05	1.46E-04	1.28E-05	4.46E-06	2.55E-05	3.04E-06	4.05E-06	1.34E-05	9.21E-07
9091	470486.79	3820382.14	4.75E-05	1.99E-04	1.79E-05	3.95E-05	1.46E-04	1.29E-05	4.48E-06	2.57E-05	3.06E-06	4.07E-06	1.34E-05	9.26E-07
9092	470477.92	3820385.68	4.77E-05	2.00E-04	1.80E-05	3.97E-05	1.47E-04	1.30E-05	4.51E-06	2.58E-05	3.08E-06	4.10E-06	1.35E-05	9.31E-07
9093	470469.05	3820389.23	4.80E-05	2.01E-04	1.81E-05	3.99E-05	1.48E-04	1.30E-05	4.53E-06	2.59E-05	3.09E-06	4.12E-06	1.36E-05	9.36E-07
9094	470460.18	3820392.77	4.82E-05	2.02E-04	1.82E-05	4.01E-05	1.49E-04	1.31E-05	4.55E-06	2.61E-05	3.11E-06	4.14E-06	1.36E-05	9.40E-07
9095	470451.31	3820396.31	4.84E-05	2.03E-04	1.83E-05	4.03E-05	1.49E-04	1.31E-05	4.57E-06	2.62E-05	3.12E-06	4.16E-06	1.37E-05	9.45E-07
9096	470442.44	3820399.86	4.86E-05	2.04E-04	1.84E-05	4.05E-05	1.50E-04	1.32E-05	4.59E-06	2.63E-05	3.14E-06	4.17E-06	1.38E-05	9.49E-07
9097	470433.57	3820403.4	4.88E-05	2.05E-04	1.85E-05	4.06E-05	1.51E-04	1.32E-05	4.61E-06	2.64E-05	3.15E-06	4.19E-06	1.38E-05	9.52E-07
9098	470424.7	3820406.94	4.89E-05	2.06E-04	1.85E-05	4.08E-05	1.51E-04	1.33E-05	4.62E-06	2.65E-05	3.16E-06	4.20E-06	1.39E-05	9.55E-07
9099	470415.83	3820410.49	4.91E-05	2.06E-04	1.86E-05	4.09E-05	1.51E-04	1.33E-05	4.63E-06	2.65E-05	3.17E-06	4.21E-06	1.39E-05	9.58E-07
9100	470406.96	3820414.03	4.92E-05	2.07E-04	1.86E-05	4.10E-05	1.52E-04	1.34E-05	4.65E-06	2.66E-05	3.17E-06	4.23E-06	1.39E-05	9.60E-07
9101	470398.09	3820417.58	4.94E-05	2.07E-04	1.87E-05	4.11E-05	1.52E-04	1.34E-05	4.66E-06	2.67E-05	3.18E-06	4.24E-06	1.40E-05	9.63E-07
9102	470389.22	3820421.12	4.95E-05	2.08E-04	1.87E-05	4.12E-05	1.53E-04	1.34E-05	4.67E-06	2.68E-05	3.19E-06	4.25E-06	1.40E-05	9.66E-07
9103	470380.35	3820424.66	4.96E-05	2.08E-04	1.88E-05	4.14E-05	1.53E-04	1.35E-05	4.69E-06	2.68E-05	3.20E-06	4.26E-06	1.41E-05	9.69E-07
9104	470371.48	3820428.21	4.98E-05	2.09E-04	1.88E-05	4.15E-05	1.54E-04	1.35E-05	4.70E-06	2.69E-05	3.21E-06	4.27E-06	1.41E-05	9.71E-07
9105	470362.61	3820431.75	4.99E-05	2.10E-04	1.89E-05	4.16E-05	1.54E-04	1.35E-05	4.71E-06	2.70E-05	3.22E-06	4.28E-06	1.41E-05	9.74E-07
9106	470353.75	3820435.29	5.00E-05	2.10E-04	1.89E-05	4.17E-05	1.54E-04	1.36E-05	4.73E-06	2.71E-05	3.23E-06	4.30E-06	1.42E-05	9.76E-07
9107	470344.88	3820438.84	5.02E-05	2.11E-04	1.90E-05	4.18E-05	1.55E-04	1.36E-05	4.74E-06	2.71E-05	3.24E-06	4.31E-06	1.42E-05	9.79E-07
9108	470336.01	3820442.38	5.03E-05	2.11E-04	1.90E-05	4.19E-05	1.55E-04	1.37E-05	4.75E-06	2.72E-05	3.25E-06	4.32E-06	1.42E-05	9.82E-07
9109	470327.14	3820445.93	5.05E-05	2.12E-04	1.91E-05	4.21E-05	1.56E-04	1.37E-05	4.77E-06	2.73E-05	3.26E-06	4.33E-06	1.43E-05	9.85E-07
9110	470318.27	3820449.47	5.07E-05	2.13E-04	1.92E-05	4.22E-05	1.56E-04	1.37E-05	4.78E-06	2.74E-05	3.27E-06	4.35E-06	1.43E-05	9.88E-07

9111	470309.4	3820453.01	5.08E-05	2.13E-04	1.92E-05	4.23E-05	1.57E-04	1.38E-05	4.80E-06	2.75E-05	3.28E-06	4.36E-06	1.44E-05	9.91E-07
9112	470300.53	3820456.56	5.10E-05	2.14E-04	1.93E-05	4.24E-05	1.57E-04	1.38E-05	4.81E-06	2.75E-05	3.29E-06	4.37E-06	1.44E-05	9.94E-07
9113	470291.66	3820460.1	5.11E-05	2.15E-04	1.93E-05	4.26E-05	1.58E-04	1.39E-05	4.83E-06	2.76E-05	3.30E-06	4.39E-06	1.45E-05	9.97E-07
9114	470282.79	3820463.64	5.13E-05	2.15E-04	1.94E-05	4.27E-05	1.58E-04	1.39E-05	4.84E-06	2.77E-05	3.31E-06	4.40E-06	1.45E-05	1.00E-06
9115	470273.92	3820467.19	5.14E-05	2.16E-04	1.95E-05	4.28E-05	1.59E-04	1.40E-05	4.86E-06	2.78E-05	3.32E-06	4.42E-06	1.46E-05	1.00E-06
9116	471375.45	3819469.09	2.48E-05	1.04E-04	9.39E-06	2.07E-05	7.66E-05	6.74E-06	2.35E-06	1.34E-05	1.60E-06	2.13E-06	7.03E-06	4.85E-07
9117	471371.69	3819477.92	2.50E-05	1.05E-04	9.47E-06	2.09E-05	7.73E-05	6.80E-06	2.37E-06	1.35E-05	1.62E-06	2.15E-06	7.09E-06	4.89E-07
9118	471367.93	3819486.75	2.53E-05	1.06E-04	9.55E-06	2.10E-05	7.79E-05	6.86E-06	2.38E-06	1.37E-05	1.63E-06	2.17E-06	7.15E-06	4.93E-07
9119	471364.17	3819495.58	2.55E-05	1.07E-04	9.63E-06	2.12E-05	7.86E-05	6.91E-06	2.40E-06	1.38E-05	1.64E-06	2.19E-06	7.21E-06	4.97E-07
9120	471360.41	3819504.41	2.57E-05	1.08E-04	9.70E-06	2.14E-05	7.92E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.26E-06	5.01E-07
9121	471356.65	3819513.24	2.59E-05	1.09E-04	9.78E-06	2.15E-05	7.98E-05	7.02E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.32E-06	5.04E-07
9122	471352.88	3819522.08	2.60E-05	1.09E-04	9.85E-06	2.17E-05	8.04E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.37E-06	5.08E-07
9123	471349.12	3819530.91	2.62E-05	1.10E-04	9.92E-06	2.18E-05	8.09E-05	7.12E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.43E-06	5.12E-07
9124	471334.08	3819566.23	2.70E-05	1.13E-04	1.02E-05	2.25E-05	8.32E-05	7.32E-06	2.55E-06	1.46E-05	1.74E-06	2.31E-06	7.63E-06	5.26E-07
9125	471330.32	3819575.06	2.71E-05	1.14E-04	1.03E-05	2.26E-05	8.37E-05	7.36E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.68E-06	5.29E-07
9126	471326.56	3819583.89	2.73E-05	1.15E-04	1.03E-05	2.27E-05	8.42E-05	7.41E-06	2.58E-06	1.48E-05	1.76E-06	2.34E-06	7.73E-06	5.33E-07
9127	471322.8	3819592.72	2.75E-05	1.15E-04	1.04E-05	2.29E-05	8.47E-05	7.45E-06	2.59E-06	1.48E-05	1.77E-06	2.36E-06	7.77E-06	5.36E-07
9128	471319.04	3819601.55	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.53E-05	7.50E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.82E-06	5.39E-07
9129	471315.28	3819610.38	2.78E-05	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.39E-06	7.87E-06	5.42E-07
9130	471311.52	3819619.21	2.79E-05	1.17E-04	1.06E-05	2.33E-05	8.62E-05	7.58E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.91E-06	5.45E-07
9131	471307.76	3819628.04	2.81E-05	1.18E-04	1.06E-05	2.34E-05	8.67E-05	7.63E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.95E-06	5.48E-07
9132	471304	3819636.87	2.82E-05	1.19E-04	1.07E-05	2.35E-05	8.71E-05	7.66E-06	2.67E-06	1.53E-05	1.82E-06	2.42E-06	7.99E-06	5.51E-07
9133	471300.24	3819645.7	2.84E-05	1.19E-04	1.07E-05	2.36E-05	8.76E-05	7.70E-06	2.68E-06	1.53E-05	1.83E-06	2.44E-06	8.03E-06	5.54E-07
9134	471296.47	3819654.53	2.85E-05	1.20E-04	1.08E-05	2.37E-05	8.80E-05	7.74E-06	2.69E-06	1.54E-05	1.84E-06	2.45E-06	8.07E-06	5.56E-07
9135	471292.71	3819663.36	2.86E-05	1.20E-04	1.08E-05	2.39E-05	8.84E-05	7.78E-06	2.70E-06	1.55E-05	1.85E-06	2.46E-06	8.11E-06	5.59E-07
9136	471288.95	3819672.19	2.88E-05	1.21E-04	1.09E-05	2.40E-05	8.88E-05	7.81E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.14E-06	5.61E-07
9137	471285.19	3819681.02	2.89E-05	1.21E-04	1.09E-05	2.41E-05	8.92E-05	7.84E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.18E-06	5.64E-07
9138	471281.43	3819689.85	2.90E-05	1.22E-04	1.10E-05	2.42E-05	8.95E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.21E-06	5.66E-07
9139	471277.67	3819698.69	2.91E-05	1.22E-04	1.10E-05	2.43E-05	8.98E-05	7.90E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.24E-06	5.68E-07
9140	471273.91	3819707.52	2.92E-05	1.23E-04	1.10E-05	2.43E-05	9.02E-05	7.93E-06	2.76E-06	1.58E-05	1.88E-06	2.51E-06	8.27E-06	5.70E-07
9141	471270.15	3819716.35	2.93E-05	1.23E-04	1.11E-05	2.44E-05	9.04E-05	7.96E-06	2.77E-06	1.58E-05	1.89E-06	2.52E-06	8.30E-06	5.72E-07
9142	471266.39	3819725.18	2.94E-05	1.23E-04	1.11E-05	2.45E-05	9.07E-05	7.98E-06	2.78E-06	1.59E-05	1.90E-06	2.52E-06	8.32E-06	5.74E-07
9143	471262.63	3819734.01	2.95E-05	1.24E-04	1.11E-05	2.46E-05	9.10E-05	8.00E-06	2.78E-06	1.59E-05	1.90E-06	2.53E-06	8.34E-06	5.75E-07
9144	471258.87	3819742.84	2.95E-05	1.24E-04	1.12E-05	2.46E-05	9.12E-05	8.02E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.36E-06	5.77E-07
9145	471255.11	3819751.67	2.96E-05	1.24E-04	1.12E-05	2.47E-05	9.14E-05	8.04E-06	2.80E-06	1.60E-05	1.91E-06	2.54E-06	8.38E-06	5.78E-07
9146	471251.35	3819760.5	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.16E-05	8.05E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.40E-06	5.79E-07
9147	471247.59	3819769.33	2.97E-05	1.25E-04	1.12E-05	2.48E-05	9.17E-05	8.07E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.41E-06	5.80E-07
9148	471243.83	3819778.16	2.98E-05	1.25E-04	1.13E-05	2.48E-05	9.18E-05	8.08E-06	2.81E-06	1.61E-05	1.92E-06	2.56E-06	8.42E-06	5.81E-07
9149	471240.06	3819786.99	2.98E-05	1.25E-04	1.13E-05	2.48E-05	9.19E-05	8.09E-06	2.81E-06	1.61E-05	1.92E-06	2.56E-06	8.43E-06	5.81E-07
9150	471236.3	3819795.82	2.98E-05	1.25E-04	1.13E-05	2.48E-05	9.20E-05	8.10E-06	2.82E-06	1.61E-05	1.92E-06	2.56E-06	8.44E-06	5.82E-07
9151	471232.54	3819804.65	2.98E-05	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.92E-06	2.56E-06	8.44E-06	5.82E-07
9152	471228.78	3819813.48	2.98E-05	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.93E-06	2.56E-06	8.45E-06	5.82E-07

9153	471225.02	3819822.31	2.99E-05	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.93E-06	2.56E-06	8.45E-06	5.82E-07
9154	471221.26	3819831.14	2.98E-05	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.93E-06	2.56E-06	8.45E-06	5.82E-07
9155	471217.5	3819839.97	2.98E-05	1.25E-04	1.13E-05	2.48E-05	9.20E-05	8.10E-06	2.82E-06	1.61E-05	1.92E-06	2.56E-06	8.44E-06	5.82E-07
9156	471213.74	3819848.8	2.98E-05	1.25E-04	1.13E-05	2.48E-05	9.20E-05	8.09E-06	2.82E-06	1.61E-05	1.92E-06	2.56E-06	8.44E-06	5.82E-07
9157	471209.98	3819857.63	2.98E-05	1.25E-04	1.13E-05	2.48E-05	9.19E-05	8.09E-06	2.81E-06	1.61E-05	1.92E-06	2.56E-06	8.43E-06	5.81E-07
9158	471206.22	3819866.47	2.98E-05	1.25E-04	1.13E-05	2.48E-05	9.18E-05	8.08E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.42E-06	5.81E-07
9159	471202.46	3819875.3	2.97E-05	1.25E-04	1.12E-05	2.48E-05	9.17E-05	8.07E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.41E-06	5.80E-07
9160	471198.7	3819884.13	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.16E-05	8.06E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.40E-06	5.79E-07
9161	471194.94	3819892.96	2.96E-05	1.24E-04	1.12E-05	2.47E-05	9.14E-05	8.04E-06	2.80E-06	1.60E-05	1.91E-06	2.54E-06	8.39E-06	5.78E-07
9162	471191.18	3819901.79	2.96E-05	1.24E-04	1.12E-05	2.46E-05	9.13E-05	8.03E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.37E-06	5.77E-07
9163	471187.42	3819910.62	2.95E-05	1.24E-04	1.12E-05	2.46E-05	9.11E-05	8.02E-06	2.79E-06	1.60E-05	1.90E-06	2.54E-06	8.36E-06	5.76E-07
9164	471183.65	3819919.45	2.95E-05	1.24E-04	1.11E-05	2.46E-05	9.10E-05	8.00E-06	2.78E-06	1.59E-05	1.90E-06	2.53E-06	8.34E-06	5.75E-07
9165	471179.89	3819928.28	2.94E-05	1.24E-04	1.11E-05	2.45E-05	9.08E-05	7.99E-06	2.78E-06	1.59E-05	1.90E-06	2.53E-06	8.33E-06	5.74E-07
9166	471176.13	3819937.11	2.94E-05	1.23E-04	1.11E-05	2.45E-05	9.06E-05	7.97E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.31E-06	5.73E-07
9167	471172.37	3819945.94	2.93E-05	1.23E-04	1.11E-05	2.44E-05	9.04E-05	7.95E-06	2.77E-06	1.58E-05	1.89E-06	2.51E-06	8.29E-06	5.72E-07
9168	471168.61	3819954.77	2.92E-05	1.23E-04	1.11E-05	2.43E-05	9.02E-05	7.93E-06	2.76E-06	1.58E-05	1.89E-06	2.51E-06	8.27E-06	5.70E-07
9169	471164.85	3819963.6	2.92E-05	1.22E-04	1.10E-05	2.43E-05	9.00E-05	7.92E-06	2.75E-06	1.58E-05	1.88E-06	2.50E-06	8.25E-06	5.69E-07
9170	471161.09	3819972.43	2.91E-05	1.22E-04	1.10E-05	2.42E-05	8.98E-05	7.90E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.24E-06	5.68E-07
9171	471157.33	3819981.26	2.90E-05	1.22E-04	1.10E-05	2.42E-05	8.96E-05	7.88E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.22E-06	5.66E-07
9172	471153.57	3819990.09	2.90E-05	1.22E-04	1.09E-05	2.41E-05	8.93E-05	7.86E-06	2.73E-06	1.57E-05	1.87E-06	2.49E-06	8.19E-06	5.65E-07
9173	471149.81	3819998.92	2.89E-05	1.21E-04	1.09E-05	2.41E-05	8.91E-05	7.84E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.17E-06	5.63E-07
9174	471146.05	3820007.75	2.88E-05	1.21E-04	1.09E-05	2.40E-05	8.89E-05	7.82E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.15E-06	5.62E-07
9175	471142.29	3820016.58	2.87E-05	1.21E-04	1.09E-05	2.39E-05	8.87E-05	7.80E-06	2.71E-06	1.55E-05	1.85E-06	2.47E-06	8.13E-06	5.61E-07
9176	471138.53	3820025.41	2.87E-05	1.20E-04	1.08E-05	2.39E-05	8.84E-05	7.78E-06	2.71E-06	1.55E-05	1.85E-06	2.46E-06	8.11E-06	5.59E-07
9177	471134.77	3820034.24	2.86E-05	1.20E-04	1.08E-05	2.38E-05	8.82E-05	7.76E-06	2.70E-06	1.55E-05	1.84E-06	2.45E-06	8.09E-06	5.58E-07
9178	471131	3820043.08	2.85E-05	1.20E-04	1.08E-05	2.37E-05	8.80E-05	7.74E-06	2.69E-06	1.54E-05	1.84E-06	2.45E-06	8.07E-06	5.56E-07
9179	471127.24	3820051.91	2.84E-05	1.19E-04	1.08E-05	2.37E-05	8.77E-05	7.72E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
9180	471123.48	3820060.74	2.84E-05	1.19E-04	1.07E-05	2.36E-05	8.75E-05	7.70E-06	2.68E-06	1.53E-05	1.83E-06	2.43E-06	8.03E-06	5.53E-07
9181	471119.72	3820069.57	2.83E-05	1.19E-04	1.07E-05	2.36E-05	8.73E-05	7.68E-06	2.67E-06	1.53E-05	1.82E-06	2.43E-06	8.00E-06	5.52E-07
9182	471115.96	3820078.4	2.82E-05	1.18E-04	1.07E-05	2.35E-05	8.70E-05	7.66E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
9183	471112.2	3820087.23	2.81E-05	1.18E-04	1.06E-05	2.34E-05	8.68E-05	7.63E-06	2.66E-06	1.52E-05	1.81E-06	2.41E-06	7.96E-06	5.49E-07
9184	471108.44	3820096.06	2.80E-05	1.18E-04	1.06E-05	2.34E-05	8.65E-05	7.61E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.94E-06	5.47E-07
9185	471104.68	3820104.89	2.80E-05	1.17E-04	1.06E-05	2.33E-05	8.63E-05	7.59E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.91E-06	5.45E-07
9186	471100.92	3820113.72	2.79E-05	1.17E-04	1.05E-05	2.32E-05	8.60E-05	7.56E-06	2.63E-06	1.51E-05	1.80E-06	2.39E-06	7.89E-06	5.44E-07
9187	471097.16	3820122.55	2.78E-05	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
9188	471093.4	3820131.38	2.77E-05	1.16E-04	1.05E-05	2.31E-05	8.54E-05	7.51E-06	2.61E-06	1.50E-05	1.78E-06	2.38E-06	7.83E-06	5.40E-07
9189	471089.64	3820140.21	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.51E-05	7.49E-06	2.60E-06	1.49E-05	1.78E-06	2.37E-06	7.81E-06	5.38E-07
9190	471085.88	3820149.04	2.75E-05	1.15E-04	1.04E-05	2.29E-05	8.48E-05	7.46E-06	2.60E-06	1.49E-05	1.77E-06	2.36E-06	7.78E-06	5.36E-07
9191	471082.12	3820157.87	2.74E-05	1.15E-04	1.04E-05	2.28E-05	8.45E-05	7.43E-06	2.59E-06	1.48E-05	1.77E-06	2.35E-06	7.75E-06	5.34E-07
9192	471078.36	3820166.7	2.73E-05	1.15E-04	1.03E-05	2.27E-05	8.42E-05	7.41E-06	2.58E-06	1.47E-05	1.76E-06	2.34E-06	7.72E-06	5.32E-07
9193	471074.59	3820175.53	2.72E-05	1.14E-04	1.03E-05	2.26E-05	8.39E-05	7.38E-06	2.57E-06	1.47E-05	1.75E-06	2.33E-06	7.69E-06	5.30E-07
9194	471070.83	3820184.36	2.71E-05	1.14E-04	1.02E-05	2.25E-05	8.35E-05	7.35E-06	2.56E-06	1.46E-05	1.75E-06	2.32E-06	7.66E-06	5.28E-07

9195	471067.07	3820193.19	2.69E-05	1.13E-04	1.02E-05	2.24E-05	8.31E-05	7.31E-06	2.54E-06	1.46E-05	1.74E-06	2.31E-06	7.63E-06	5.26E-07
9196	471063.31	3820202.02	2.68E-05	1.13E-04	1.01E-05	2.23E-05	8.28E-05	7.28E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.59E-06	5.23E-07
9197	471059.55	3820210.85	2.67E-05	1.12E-04	1.01E-05	2.22E-05	8.24E-05	7.25E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.56E-06	5.21E-07
9198	471055.79	3820219.69	2.66E-05	1.12E-04	1.00E-05	2.21E-05	8.20E-05	7.21E-06	2.51E-06	1.44E-05	1.71E-06	2.28E-06	7.52E-06	5.18E-07
9199	471052.03	3820228.52	2.64E-05	1.11E-04	1.00E-05	2.20E-05	8.16E-05	7.18E-06	2.50E-06	1.43E-05	1.71E-06	2.27E-06	7.49E-06	5.16E-07
9200	471039.36	3820240.91	2.65E-05	1.11E-04	1.00E-05	2.21E-05	8.17E-05	7.19E-06	2.50E-06	1.43E-05	1.71E-06	2.27E-06	7.49E-06	5.17E-07
9201	471030.44	3820244.47	2.66E-05	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
9202	471021.53	3820248.03	2.68E-05	1.13E-04	1.01E-05	2.23E-05	8.27E-05	7.27E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.59E-06	5.23E-07
9203	471012.62	3820251.59	2.70E-05	1.13E-04	1.02E-05	2.25E-05	8.32E-05	7.32E-06	2.55E-06	1.46E-05	1.74E-06	2.31E-06	7.63E-06	5.26E-07
9204	471003.71	3820255.15	2.71E-05	1.14E-04	1.03E-05	2.26E-05	8.37E-05	7.36E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.67E-06	5.29E-07
9205	470994.79	3820258.71	2.73E-05	1.14E-04	1.03E-05	2.27E-05	8.41E-05	7.40E-06	2.57E-06	1.47E-05	1.76E-06	2.34E-06	7.72E-06	5.32E-07
9206	470968.05	3820269.4	2.77E-05	1.16E-04	1.05E-05	2.31E-05	8.54E-05	7.52E-06	2.61E-06	1.50E-05	1.79E-06	2.38E-06	7.84E-06	5.40E-07
9207	470959.14	3820272.96	2.78E-05	1.17E-04	1.05E-05	2.32E-05	8.59E-05	7.56E-06	2.63E-06	1.51E-05	1.80E-06	2.39E-06	7.88E-06	5.43E-07
9208	470950.23	3820276.52	2.80E-05	1.18E-04	1.06E-05	2.33E-05	8.64E-05	7.60E-06	2.64E-06	1.51E-05	1.81E-06	2.40E-06	7.93E-06	5.46E-07
9209	470941.32	3820280.08	2.81E-05	1.18E-04	1.06E-05	2.34E-05	8.68E-05	7.64E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.97E-06	5.49E-07
9210	470932.4	3820283.64	2.83E-05	1.19E-04	1.07E-05	2.36E-05	8.73E-05	7.68E-06	2.67E-06	1.53E-05	1.82E-06	2.43E-06	8.01E-06	5.52E-07
9211	470923.49	3820287.2	2.84E-05	1.19E-04	1.08E-05	2.37E-05	8.77E-05	7.72E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
9212	470914.58	3820290.76	2.86E-05	1.20E-04	1.08E-05	2.38E-05	8.82E-05	7.76E-06	2.70E-06	1.54E-05	1.84E-06	2.45E-06	8.09E-06	5.57E-07
9213	470905.66	3820294.32	2.87E-05	1.21E-04	1.09E-05	2.39E-05	8.86E-05	7.80E-06	2.71E-06	1.55E-05	1.85E-06	2.47E-06	8.13E-06	5.60E-07
9214	470896.75	3820297.89	2.89E-05	1.21E-04	1.09E-05	2.40E-05	8.91E-05	7.84E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.17E-06	5.63E-07
9215	470887.84	3820301.45	2.90E-05	1.22E-04	1.10E-05	2.42E-05	8.96E-05	7.88E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.22E-06	5.66E-07
9216	470878.93	3820305.01	2.92E-05	1.23E-04	1.10E-05	2.43E-05	9.01E-05	7.93E-06	2.76E-06	1.58E-05	1.88E-06	2.51E-06	8.26E-06	5.70E-07
9217	470870.01	3820308.57	2.94E-05	1.23E-04	1.11E-05	2.45E-05	9.06E-05	7.97E-06	2.77E-06	1.59E-05	1.89E-06	2.52E-06	8.31E-06	5.73E-07
9218	470861.1	3820312.13	2.95E-05	1.24E-04	1.12E-05	2.46E-05	9.12E-05	8.02E-06	2.79E-06	1.60E-05	1.91E-06	2.54E-06	8.36E-06	5.76E-07
9219	470852.19	3820315.69	2.97E-05	1.25E-04	1.12E-05	2.48E-05	9.17E-05	8.07E-06	2.81E-06	1.61E-05	1.92E-06	2.55E-06	8.42E-06	5.80E-07
9220	470843.27	3820319.25	2.99E-05	1.26E-04	1.13E-05	2.49E-05	9.23E-05	8.12E-06	2.83E-06	1.62E-05	1.93E-06	2.57E-06	8.47E-06	5.84E-07
9221	470834.36	3820322.81	3.01E-05	1.27E-04	1.14E-05	2.51E-05	9.30E-05	8.18E-06	2.84E-06	1.63E-05	1.94E-06	2.59E-06	8.53E-06	5.88E-07
9222	470763.06	3820351.3	3.21E-05	1.35E-04	1.21E-05	2.67E-05	9.90E-05	8.71E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.08E-06	6.26E-07
9223	470754.15	3820354.86	3.24E-05	1.36E-04	1.22E-05	2.70E-05	9.99E-05	8.79E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.16E-06	6.32E-07
9224	470745.23	3820358.42	3.27E-05	1.37E-04	1.24E-05	2.72E-05	1.01E-04	8.87E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.25E-06	6.38E-07
9225	470736.32	3820361.99	3.30E-05	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.96E-06	3.12E-06	1.78E-05	2.13E-06	2.83E-06	9.34E-06	6.44E-07
9226	470727.41	3820365.55	3.33E-05	1.40E-04	1.26E-05	2.78E-05	1.03E-04	9.05E-06	3.15E-06	1.80E-05	2.15E-06	2.86E-06	9.44E-06	6.50E-07
9227	470718.49	3820369.11	3.37E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.14E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.53E-06	6.57E-07
9228	470709.58	3820372.67	3.40E-05	1.43E-04	1.29E-05	2.83E-05	1.05E-04	9.23E-06	3.21E-06	1.84E-05	2.19E-06	2.92E-06	9.62E-06	6.63E-07
9229	470700.67	3820376.23	3.44E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.33E-06	3.25E-06	1.86E-05	2.22E-06	2.95E-06	9.73E-06	6.71E-07
9230	470691.76	3820379.79	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.43E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.78E-07
9231	470682.84	3820383.35	3.51E-05	1.48E-04	1.33E-05	2.93E-05	1.08E-04	9.54E-06	3.32E-06	1.90E-05	2.27E-06	3.02E-06	9.94E-06	6.85E-07
9232	470673.93	3820386.91	3.55E-05	1.49E-04	1.34E-05	2.96E-05	1.10E-04	9.64E-06	3.35E-06	1.92E-05	2.29E-06	3.05E-06	1.01E-05	6.93E-07
9233	470665.02	3820390.47	3.59E-05	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.75E-06	3.39E-06	1.94E-05	2.32E-06	3.08E-06	1.02E-05	7.01E-07
9234	470656.1	3820394.03	3.63E-05	1.53E-04	1.37E-05	3.03E-05	1.12E-04	9.87E-06	3.43E-06	1.97E-05	2.34E-06	3.12E-06	1.03E-05	7.09E-07
9235	470647.19	3820397.6	3.68E-05	1.54E-04	1.39E-05	3.06E-05	1.13E-04	9.98E-06	3.47E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.17E-07
9236	470638.28	3820401.16	3.72E-05	1.56E-04	1.41E-05	3.09E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.25E-07

9237	470629.37	3820404.72	3.75E-05	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.42E-06	3.22E-06	1.06E-05	7.33E-07
9238	470620.45	3820408.28	3.79E-05	1.59E-04	1.43E-05	3.16E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.45E-06	3.26E-06	1.07E-05	7.40E-07
9239	470611.54	3820411.84	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.62E-06	2.07E-05	2.47E-06	3.29E-06	1.09E-05	7.48E-07
9240	470602.63	3820415.4	3.87E-05	1.63E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.66E-06	2.09E-05	2.50E-06	3.32E-06	1.10E-05	7.55E-07
9241	470593.71	3820418.96	3.91E-05	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.36E-06	1.11E-05	7.63E-07
9242	470584.8	3820422.52	3.94E-05	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.54E-06	3.39E-06	1.12E-05	7.70E-07
9243	470575.89	3820426.08	3.98E-05	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.76E-07
9244	470566.98	3820429.65	4.01E-05	1.69E-04	1.52E-05	3.34E-05	1.24E-04	1.09E-05	3.79E-06	2.17E-05	2.59E-06	3.45E-06	1.14E-05	7.83E-07
9245	470558.06	3820433.21	4.05E-05	1.70E-04	1.53E-05	3.37E-05	1.25E-04	1.10E-05	3.82E-06	2.19E-05	2.61E-06	3.47E-06	1.15E-05	7.89E-07
9246	470549.15	3820436.77	4.08E-05	1.71E-04	1.54E-05	3.40E-05	1.26E-04	1.11E-05	3.85E-06	2.20E-05	2.63E-06	3.50E-06	1.15E-05	7.95E-07
9247	470540.24	3820440.33	4.11E-05	1.72E-04	1.55E-05	3.42E-05	1.27E-04	1.11E-05	3.88E-06	2.22E-05	2.65E-06	3.53E-06	1.16E-05	8.01E-07
9248	470531.32	3820443.89	4.13E-05	1.74E-04	1.56E-05	3.44E-05	1.28E-04	1.12E-05	3.90E-06	2.24E-05	2.67E-06	3.55E-06	1.17E-05	8.07E-07
9249	470522.41	3820447.45	4.16E-05	1.75E-04	1.57E-05	3.47E-05	1.28E-04	1.13E-05	3.93E-06	2.25E-05	2.68E-06	3.57E-06	1.18E-05	8.12E-07
9250	470513.5	3820451.01	4.19E-05	1.76E-04	1.58E-05	3.49E-05	1.29E-04	1.14E-05	3.95E-06	2.26E-05	2.70E-06	3.59E-06	1.18E-05	8.17E-07
9251	470504.59	3820454.57	4.21E-05	1.77E-04	1.59E-05	3.51E-05	1.30E-04	1.14E-05	3.98E-06	2.28E-05	2.72E-06	3.61E-06	1.19E-05	8.21E-07
9252	470495.67	3820458.13	4.23E-05	1.78E-04	1.60E-05	3.52E-05	1.31E-04	1.15E-05	4.00E-06	2.29E-05	2.73E-06	3.63E-06	1.20E-05	8.26E-07
9253	470486.76	3820461.7	4.25E-05	1.79E-04	1.61E-05	3.54E-05	1.31E-04	1.15E-05	4.01E-06	2.30E-05	2.74E-06	3.65E-06	1.20E-05	8.29E-07
9254	470477.85	3820465.26	4.27E-05	1.79E-04	1.61E-05	3.56E-05	1.32E-04	1.16E-05	4.03E-06	2.31E-05	2.75E-06	3.66E-06	1.21E-05	8.33E-07
9255	470468.93	3820468.82	4.28E-05	1.80E-04	1.62E-05	3.57E-05	1.32E-04	1.16E-05	4.05E-06	2.32E-05	2.76E-06	3.68E-06	1.21E-05	8.36E-07
9256	470460.02	3820472.38	4.30E-05	1.81E-04	1.63E-05	3.58E-05	1.33E-04	1.17E-05	4.06E-06	2.32E-05	2.77E-06	3.69E-06	1.22E-05	8.39E-07
9257	470451.11	3820475.94	4.31E-05	1.81E-04	1.63E-05	3.59E-05	1.33E-04	1.17E-05	4.07E-06	2.33E-05	2.78E-06	3.70E-06	1.22E-05	8.42E-07
9258	470442.2	3820479.5	4.33E-05	1.82E-04	1.64E-05	3.60E-05	1.33E-04	1.17E-05	4.09E-06	2.34E-05	2.79E-06	3.71E-06	1.22E-05	8.44E-07
9259	470433.28	3820483.06	4.34E-05	1.82E-04	1.64E-05	3.61E-05	1.34E-04	1.18E-05	4.10E-06	2.34E-05	2.80E-06	3.72E-06	1.23E-05	8.46E-07
9260	470424.37	3820486.62	4.35E-05	1.83E-04	1.64E-05	3.62E-05	1.34E-04	1.18E-05	4.10E-06	2.35E-05	2.80E-06	3.73E-06	1.23E-05	8.48E-07
9261	470415.46	3820490.18	4.36E-05	1.83E-04	1.65E-05	3.63E-05	1.34E-04	1.18E-05	4.11E-06	2.35E-05	2.81E-06	3.74E-06	1.23E-05	8.50E-07
9262	470406.54	3820493.75	4.37E-05	1.83E-04	1.65E-05	3.64E-05	1.35E-04	1.19E-05	4.12E-06	2.36E-05	2.82E-06	3.75E-06	1.24E-05	8.52E-07
9263	470397.63	3820497.31	4.38E-05	1.84E-04	1.66E-05	3.65E-05	1.35E-04	1.19E-05	4.13E-06	2.37E-05	2.82E-06	3.76E-06	1.24E-05	8.54E-07
9264	470388.72	3820500.87	4.39E-05	1.84E-04	1.66E-05	3.66E-05	1.35E-04	1.19E-05	4.14E-06	2.37E-05	2.83E-06	3.77E-06	1.24E-05	8.56E-07
9265	470379.81	3820504.43	4.40E-05	1.85E-04	1.66E-05	3.67E-05	1.36E-04	1.19E-05	4.16E-06	2.38E-05	2.84E-06	3.78E-06	1.25E-05	8.59E-07
9266	470370.89	3820507.99	4.41E-05	1.85E-04	1.67E-05	3.68E-05	1.36E-04	1.20E-05	4.17E-06	2.39E-05	2.85E-06	3.79E-06	1.25E-05	8.61E-07
9267	470361.98	3820511.55	4.43E-05	1.86E-04	1.67E-05	3.69E-05	1.37E-04	1.20E-05	4.18E-06	2.39E-05	2.86E-06	3.80E-06	1.25E-05	8.64E-07
9268	470353.07	3820515.11	4.44E-05	1.86E-04	1.68E-05	3.70E-05	1.37E-04	1.21E-05	4.19E-06	2.40E-05	2.86E-06	3.81E-06	1.26E-05	8.66E-07
9269	470344.15	3820518.67	4.45E-05	1.87E-04	1.68E-05	3.71E-05	1.37E-04	1.21E-05	4.20E-06	2.41E-05	2.87E-06	3.82E-06	1.26E-05	8.69E-07
9270	470335.24	3820522.23	4.46E-05	1.87E-04	1.69E-05	3.72E-05	1.38E-04	1.21E-05	4.21E-06	2.41E-05	2.88E-06	3.83E-06	1.26E-05	8.71E-07
9271	470326.33	3820525.8	4.47E-05	1.88E-04	1.69E-05	3.73E-05	1.38E-04	1.21E-05	4.22E-06	2.42E-05	2.89E-06	3.84E-06	1.27E-05	8.73E-07
9272	470317.42	3820529.36	4.49E-05	1.88E-04	1.70E-05	3.74E-05	1.38E-04	1.22E-05	4.24E-06	2.43E-05	2.89E-06	3.85E-06	1.27E-05	8.75E-07
9273	470308.5	3820532.92	4.50E-05	1.89E-04	1.70E-05	3.75E-05	1.39E-04	1.22E-05	4.25E-06	2.43E-05	2.90E-06	3.86E-06	1.27E-05	8.78E-07
9274	470299.59	3820536.48	4.51E-05	1.89E-04	1.71E-05	3.76E-05	1.39E-04	1.22E-05	4.26E-06	2.44E-05	2.91E-06	3.87E-06	1.28E-05	8.80E-07
9275	470290.68	3820540.04	4.52E-05	1.90E-04	1.71E-05	3.77E-05	1.40E-04	1.23E-05	4.27E-06	2.45E-05	2.92E-06	3.88E-06	1.28E-05	8.83E-07
9276	470281.76	3820543.6	4.54E-05	1.91E-04	1.72E-05	3.78E-05	1.40E-04	1.23E-05	4.29E-06	2.45E-05	2.93E-06	3.90E-06	1.28E-05	8.86E-07
9277	470272.85	3820547.16	4.55E-05	1.91E-04	1.72E-05	3.79E-05	1.40E-04	1.24E-05	4.30E-06	2.46E-05	2.94E-06	3.91E-06	1.29E-05	8.88E-07
9278	471379.21	3819460.26	2.46E-05	1.03E-04	9.31E-06	2.05E-05	7.60E-05	6.68E-06	2.32E-06	1.33E-05	1.59E-06	2.11E-06	6.97E-06	4.80E-07

9279	471379.29	3819450.61	2.46E-05	1.03E-04	9.29E-06	2.05E-05	7.58E-05	6.67E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.95E-06	4.79E-07
9280	471379.38	3819440.97	2.45E-05	1.03E-04	9.26E-06	2.04E-05	7.55E-05	6.65E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.93E-06	4.78E-07
9281	471379.46	3819431.32	2.44E-05	1.02E-04	9.23E-06	2.03E-05	7.53E-05	6.62E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.91E-06	4.76E-07
9282	471379.54	3819421.67	2.43E-05	1.02E-04	9.19E-06	2.02E-05	7.50E-05	6.60E-06	2.29E-06	1.31E-05	1.57E-06	2.09E-06	6.88E-06	4.74E-07
9283	471379.62	3819412.02	2.42E-05	1.02E-04	9.15E-06	2.02E-05	7.47E-05	6.57E-06	2.29E-06	1.31E-05	1.56E-06	2.08E-06	6.85E-06	4.72E-07
9284	471379.71	3819402.37	2.41E-05	1.01E-04	9.11E-06	2.01E-05	7.43E-05	6.54E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.82E-06	4.70E-07
9285	471379.79	3819392.72	2.40E-05	1.01E-04	9.07E-06	2.00E-05	7.40E-05	6.51E-06	2.26E-06	1.30E-05	1.55E-06	2.06E-06	6.79E-06	4.68E-07
9286	471379.87	3819383.08	2.38E-05	1.00E-04	9.02E-06	1.99E-05	7.36E-05	6.47E-06	2.25E-06	1.29E-05	1.54E-06	2.05E-06	6.75E-06	4.65E-07
9287	471379.95	3819373.43	2.37E-05	9.96E-05	8.97E-06	1.97E-05	7.32E-05	6.44E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.71E-06	4.63E-07
9288	471380.04	3819363.78	2.36E-05	9.89E-05	8.91E-06	1.96E-05	7.27E-05	6.39E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.67E-06	4.60E-07
9289	471380.12	3819354.13	2.34E-05	9.83E-05	8.85E-06	1.95E-05	7.22E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.57E-07
9290	471380.2	3819344.48	2.32E-05	9.76E-05	8.79E-06	1.93E-05	7.17E-05	6.31E-06	2.19E-06	1.26E-05	1.50E-06	1.99E-06	6.58E-06	4.53E-07
9291	471380.29	3819334.84	2.31E-05	9.68E-05	8.72E-06	1.92E-05	7.11E-05	6.26E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.53E-06	4.50E-07
9292	471380.37	3819325.19	2.29E-05	9.60E-05	8.65E-06	1.90E-05	7.06E-05	6.21E-06	2.16E-06	1.24E-05	1.47E-06	1.96E-06	6.47E-06	4.46E-07
9293	471380.62	3819296.24	2.22E-05	9.34E-05	8.41E-06	1.85E-05	6.86E-05	6.04E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.30E-06	4.34E-07
9294	471380.7	3819286.59	2.20E-05	9.25E-05	8.33E-06	1.83E-05	6.79E-05	5.98E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.23E-06	4.30E-07
9295	471380.78	3819276.95	2.18E-05	9.15E-05	8.24E-06	1.81E-05	6.72E-05	5.91E-06	2.06E-06	1.18E-05	1.40E-06	1.87E-06	6.17E-06	4.25E-07
9296	471380.86	3819267.3	2.15E-05	9.04E-05	8.15E-06	1.79E-05	6.65E-05	5.85E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.10E-06	4.20E-07
9297	471380.95	3819257.65	2.13E-05	8.94E-05	8.05E-06	1.77E-05	6.57E-05	5.78E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.03E-06	4.15E-07
9298	471455.43	3819469.82	2.17E-05	9.10E-05	8.19E-06	1.80E-05	6.69E-05	5.88E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.13E-06	4.23E-07
9299	471451.65	3819478.68	2.18E-05	9.17E-05	8.26E-06	1.82E-05	6.74E-05	5.93E-06	2.06E-06	1.18E-05	1.41E-06	1.88E-06	6.18E-06	4.26E-07
9300	471447.88	3819487.55	2.20E-05	9.24E-05	8.33E-06	1.83E-05	6.79E-05	5.98E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.23E-06	4.30E-07
9301	471444.1	3819496.42	2.22E-05	9.32E-05	8.39E-06	1.85E-05	6.84E-05	6.02E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.28E-06	4.33E-07
9302	471440.32	3819505.29	2.24E-05	9.39E-05	8.45E-06	1.86E-05	6.90E-05	6.07E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.33E-06	4.36E-07
9303	471436.55	3819514.16	2.25E-05	9.45E-05	8.51E-06	1.88E-05	6.95E-05	6.11E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.37E-06	4.39E-07
9304	471432.77	3819523.02	2.27E-05	9.52E-05	8.58E-06	1.89E-05	7.00E-05	6.16E-06	2.14E-06	1.23E-05	1.46E-06	1.95E-06	6.42E-06	4.42E-07
9305	471428.99	3819531.89	2.28E-05	9.59E-05	8.64E-06	1.90E-05	7.05E-05	6.20E-06	2.16E-06	1.23E-05	1.47E-06	1.96E-06	6.46E-06	4.46E-07
9306	471425.22	3819540.76	2.30E-05	9.65E-05	8.69E-06	1.91E-05	7.09E-05	6.24E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.51E-06	4.49E-07
9307	471421.44	3819549.63	2.31E-05	9.72E-05	8.75E-06	1.93E-05	7.14E-05	6.28E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.55E-06	4.52E-07
9308	471417.66	3819558.5	2.33E-05	9.78E-05	8.81E-06	1.94E-05	7.19E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.55E-07
9309	471413.89	3819567.36	2.34E-05	9.84E-05	8.87E-06	1.95E-05	7.23E-05	6.36E-06	2.21E-06	1.27E-05	1.51E-06	2.01E-06	6.64E-06	4.57E-07
9310	471410.11	3819576.23	2.36E-05	9.91E-05	8.92E-06	1.96E-05	7.28E-05	6.40E-06	2.23E-06	1.28E-05	1.52E-06	2.02E-06	6.68E-06	4.60E-07
9311	471406.33	3819585.1	2.37E-05	9.97E-05	8.97E-06	1.98E-05	7.32E-05	6.44E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.72E-06	4.63E-07
9312	471402.56	3819593.97	2.39E-05	1.00E-04	9.03E-06	1.99E-05	7.37E-05	6.48E-06	2.25E-06	1.29E-05	1.54E-06	2.05E-06	6.76E-06	4.66E-07
9313	471387.45	3819629.44	2.44E-05	1.03E-04	9.23E-06	2.03E-05	7.54E-05	6.63E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.91E-06	4.76E-07
9314	471383.67	3819638.31	2.45E-05	1.03E-04	9.28E-06	2.04E-05	7.58E-05	6.66E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.95E-06	4.79E-07
9315	471379.9	3819647.18	2.47E-05	1.04E-04	9.33E-06	2.06E-05	7.62E-05	6.70E-06	2.33E-06	1.33E-05	1.59E-06	2.12E-06	6.99E-06	4.82E-07
9316	471376.12	3819656.05	2.48E-05	1.04E-04	9.38E-06	2.07E-05	7.65E-05	6.73E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.02E-06	4.84E-07
9317	471372.34	3819664.91	2.49E-05	1.05E-04	9.43E-06	2.08E-05	7.69E-05	6.77E-06	2.35E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.86E-07
9318	471368.57	3819673.78	2.50E-05	1.05E-04	9.47E-06	2.09E-05	7.73E-05	6.80E-06	2.36E-06	1.35E-05	1.62E-06	2.15E-06	7.09E-06	4.89E-07
9319	471364.79	3819682.65	2.52E-05	1.06E-04	9.51E-06	2.10E-05	7.76E-05	6.83E-06	2.38E-06	1.36E-05	1.62E-06	2.16E-06	7.12E-06	4.91E-07
9320	471361.01	3819691.52	2.53E-05	1.06E-04	9.56E-06	2.10E-05	7.80E-05	6.86E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.15E-06	4.93E-07

9321	471357.24	3819700.39	2.54E-05	1.07E-04	9.60E-06	2.11E-05	7.83E-05	6.89E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.18E-06	4.95E-07
9322	471353.46	3819709.25	2.55E-05	1.07E-04	9.63E-06	2.12E-05	7.86E-05	6.91E-06	2.41E-06	1.38E-05	1.64E-06	2.19E-06	7.21E-06	4.97E-07
9323	471349.68	3819718.12	2.56E-05	1.07E-04	9.67E-06	2.13E-05	7.89E-05	6.94E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.24E-06	4.99E-07
9324	471345.91	3819726.99	2.57E-05	1.08E-04	9.70E-06	2.14E-05	7.92E-05	6.97E-06	2.42E-06	1.39E-05	1.66E-06	2.20E-06	7.26E-06	5.01E-07
9325	471342.13	3819735.86	2.57E-05	1.08E-04	9.74E-06	2.14E-05	7.94E-05	6.99E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.29E-06	5.02E-07
9326	471338.35	3819744.73	2.58E-05	1.08E-04	9.77E-06	2.15E-05	7.97E-05	7.01E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.31E-06	5.04E-07
9327	471334.58	3819753.59	2.59E-05	1.09E-04	9.80E-06	2.16E-05	7.99E-05	7.03E-06	2.45E-06	1.40E-05	1.67E-06	2.22E-06	7.33E-06	5.05E-07
9328	471330.8	3819762.46	2.60E-05	1.09E-04	9.82E-06	2.16E-05	8.01E-05	7.05E-06	2.45E-06	1.40E-05	1.68E-06	2.23E-06	7.35E-06	5.07E-07
9329	471327.02	3819771.33	2.60E-05	1.09E-04	9.85E-06	2.17E-05	8.03E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.37E-06	5.08E-07
9330	471323.25	3819780.2	2.61E-05	1.10E-04	9.87E-06	2.17E-05	8.05E-05	7.08E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.39E-06	5.09E-07
9331	471319.47	3819789.07	2.61E-05	1.10E-04	9.89E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.24E-06	7.40E-06	5.10E-07
9332	471315.69	3819797.93	2.62E-05	1.10E-04	9.90E-06	2.18E-05	8.08E-05	7.11E-06	2.47E-06	1.42E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
9333	471311.92	3819806.8	2.62E-05	1.10E-04	9.92E-06	2.18E-05	8.09E-05	7.12E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.42E-06	5.12E-07
9334	471308.14	3819815.67	2.63E-05	1.10E-04	9.93E-06	2.19E-05	8.10E-05	7.13E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.43E-06	5.12E-07
9335	471304.36	3819824.54	2.63E-05	1.10E-04	9.94E-06	2.19E-05	8.11E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.44E-06	5.13E-07
9336	471300.59	3819833.41	2.63E-05	1.10E-04	9.95E-06	2.19E-05	8.12E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.13E-07
9337	471296.81	3819842.28	2.63E-05	1.11E-04	9.95E-06	2.19E-05	8.12E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.13E-07
9338	471293.03	3819851.14	2.63E-05	1.11E-04	9.96E-06	2.19E-05	8.12E-05	7.15E-06	2.49E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.14E-07
9339	471289.26	3819860.01	2.63E-05	1.11E-04	9.96E-06	2.19E-05	8.12E-05	7.15E-06	2.49E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.14E-07
9340	471285.48	3819868.88	2.63E-05	1.11E-04	9.95E-06	2.19E-05	8.12E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.13E-07
9341	471281.7	3819877.75	2.63E-05	1.10E-04	9.95E-06	2.19E-05	8.12E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.13E-07
9342	471277.93	3819886.62	2.63E-05	1.10E-04	9.94E-06	2.19E-05	8.11E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.44E-06	5.13E-07
9343	471274.15	3819895.48	2.63E-05	1.10E-04	9.93E-06	2.19E-05	8.10E-05	7.13E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.43E-06	5.13E-07
9344	471270.37	3819904.35	2.62E-05	1.10E-04	9.92E-06	2.19E-05	8.10E-05	7.12E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.43E-06	5.12E-07
9345	471266.6	3819913.22	2.62E-05	1.10E-04	9.91E-06	2.18E-05	8.09E-05	7.12E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.42E-06	5.11E-07
9346	471262.82	3819922.09	2.62E-05	1.10E-04	9.90E-06	2.18E-05	8.08E-05	7.11E-06	2.47E-06	1.42E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
9347	471259.04	3819930.96	2.61E-05	1.10E-04	9.89E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.24E-06	7.40E-06	5.10E-07
9348	471255.27	3819939.82	2.61E-05	1.10E-04	9.87E-06	2.17E-05	8.05E-05	7.08E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.39E-06	5.09E-07
9349	471251.49	3819948.69	2.60E-05	1.09E-04	9.85E-06	2.17E-05	8.04E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.37E-06	5.08E-07
9350	471247.71	3819957.56	2.60E-05	1.09E-04	9.84E-06	2.17E-05	8.02E-05	7.06E-06	2.46E-06	1.41E-05	1.68E-06	2.23E-06	7.36E-06	5.07E-07
9351	471243.94	3819966.43	2.60E-05	1.09E-04	9.82E-06	2.16E-05	8.01E-05	7.05E-06	2.45E-06	1.40E-05	1.67E-06	2.23E-06	7.35E-06	5.07E-07
9352	471240.16	3819975.3	2.59E-05	1.09E-04	9.80E-06	2.16E-05	8.00E-05	7.03E-06	2.45E-06	1.40E-05	1.67E-06	2.22E-06	7.33E-06	5.06E-07
9353	471236.38	3819984.16	2.59E-05	1.09E-04	9.78E-06	2.15E-05	7.98E-05	7.02E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.32E-06	5.05E-07
9354	471232.61	3819993.03	2.58E-05	1.08E-04	9.76E-06	2.15E-05	7.96E-05	7.00E-06	2.44E-06	1.39E-05	1.66E-06	2.22E-06	7.30E-06	5.04E-07
9355	471228.83	3820001.9	2.58E-05	1.08E-04	9.74E-06	2.14E-05	7.95E-05	6.99E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.29E-06	5.02E-07
9356	471225.05	3820010.77	2.57E-05	1.08E-04	9.72E-06	2.14E-05	7.93E-05	6.98E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.27E-06	5.01E-07
9357	471221.28	3820019.64	2.56E-05	1.08E-04	9.70E-06	2.14E-05	7.91E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.26E-06	5.00E-07
9358	471217.5	3820028.51	2.56E-05	1.07E-04	9.68E-06	2.13E-05	7.90E-05	6.95E-06	2.42E-06	1.38E-05	1.65E-06	2.20E-06	7.24E-06	4.99E-07
9359	471213.72	3820037.37	2.55E-05	1.07E-04	9.66E-06	2.13E-05	7.88E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.23E-06	4.98E-07
9360	471209.95	3820046.24	2.55E-05	1.07E-04	9.64E-06	2.12E-05	7.86E-05	6.92E-06	2.41E-06	1.38E-05	1.64E-06	2.19E-06	7.21E-06	4.97E-07
9361	471206.17	3820055.11	2.54E-05	1.07E-04	9.61E-06	2.12E-05	7.84E-05	6.90E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.19E-06	4.96E-07
9362	471202.39	3820063.98	2.54E-05	1.06E-04	9.59E-06	2.11E-05	7.82E-05	6.88E-06	2.39E-06	1.37E-05	1.64E-06	2.18E-06	7.18E-06	4.95E-07

9363	471198.62	3820072.85	2.53E-05	1.06E-04	9.57E-06	2.11E-05	7.81E-05	6.87E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.16E-06	4.94E-07
9364	471194.84	3820081.71	2.52E-05	1.06E-04	9.55E-06	2.10E-05	7.79E-05	6.85E-06	2.38E-06	1.36E-05	1.63E-06	2.17E-06	7.14E-06	4.93E-07
9365	471191.06	3820090.58	2.52E-05	1.06E-04	9.52E-06	2.10E-05	7.77E-05	6.84E-06	2.38E-06	1.36E-05	1.62E-06	2.16E-06	7.13E-06	4.91E-07
9366	471187.29	3820099.45	2.51E-05	1.06E-04	9.50E-06	2.09E-05	7.75E-05	6.82E-06	2.37E-06	1.36E-05	1.62E-06	2.16E-06	7.11E-06	4.90E-07
9367	471183.51	3820108.32	2.51E-05	1.05E-04	9.48E-06	2.09E-05	7.74E-05	6.80E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.89E-07
9368	471179.73	3820117.19	2.50E-05	1.05E-04	9.46E-06	2.08E-05	7.72E-05	6.79E-06	2.36E-06	1.35E-05	1.61E-06	2.15E-06	7.08E-06	4.88E-07
9369	471175.96	3820126.05	2.49E-05	1.05E-04	9.43E-06	2.08E-05	7.70E-05	6.77E-06	2.36E-06	1.35E-05	1.61E-06	2.14E-06	7.06E-06	4.87E-07
9370	471172.18	3820134.92	2.49E-05	1.05E-04	9.41E-06	2.07E-05	7.68E-05	6.76E-06	2.35E-06	1.35E-05	1.61E-06	2.14E-06	7.04E-06	4.86E-07
9371	471168.4	3820143.79	2.48E-05	1.04E-04	9.39E-06	2.07E-05	7.66E-05	6.74E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.03E-06	4.84E-07
9372	471164.63	3820152.66	2.48E-05	1.04E-04	9.36E-06	2.06E-05	7.64E-05	6.72E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.01E-06	4.83E-07
9373	471160.85	3820161.53	2.47E-05	1.04E-04	9.34E-06	2.06E-05	7.62E-05	6.70E-06	2.33E-06	1.33E-05	1.59E-06	2.12E-06	6.99E-06	4.82E-07
9374	471157.07	3820170.39	2.46E-05	1.03E-04	9.31E-06	2.05E-05	7.60E-05	6.68E-06	2.32E-06	1.33E-05	1.59E-06	2.11E-06	6.97E-06	4.80E-07
9375	471153.3	3820179.26	2.45E-05	1.03E-04	9.28E-06	2.04E-05	7.57E-05	6.66E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.95E-06	4.79E-07
9376	471149.52	3820188.13	2.45E-05	1.03E-04	9.25E-06	2.04E-05	7.55E-05	6.64E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.92E-06	4.77E-07
9377	471145.74	3820197	2.44E-05	1.02E-04	9.22E-06	2.03E-05	7.53E-05	6.62E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.90E-06	4.76E-07
9378	471141.97	3820205.87	2.43E-05	1.02E-04	9.19E-06	2.03E-05	7.50E-05	6.60E-06	2.30E-06	1.31E-05	1.57E-06	2.09E-06	6.88E-06	4.74E-07
9379	471138.19	3820214.73	2.42E-05	1.02E-04	9.16E-06	2.02E-05	7.48E-05	6.58E-06	2.29E-06	1.31E-05	1.56E-06	2.08E-06	6.86E-06	4.73E-07
9380	471134.41	3820223.6	2.41E-05	1.01E-04	9.13E-06	2.01E-05	7.45E-05	6.56E-06	2.28E-06	1.31E-05	1.56E-06	2.07E-06	6.84E-06	4.71E-07
9381	471130.64	3820232.47	2.41E-05	1.01E-04	9.10E-06	2.00E-05	7.43E-05	6.53E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.81E-06	4.70E-07
9382	471126.86	3820241.34	2.40E-05	1.01E-04	9.07E-06	2.00E-05	7.40E-05	6.51E-06	2.26E-06	1.30E-05	1.55E-06	2.06E-06	6.79E-06	4.68E-07
9383	471123.08	3820250.21	2.39E-05	1.00E-04	9.03E-06	1.99E-05	7.37E-05	6.48E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.76E-06	4.66E-07
9384	471119.31	3820259.08	2.38E-05	9.99E-05	9.00E-06	1.98E-05	7.34E-05	6.46E-06	2.25E-06	1.29E-05	1.53E-06	2.04E-06	6.73E-06	4.64E-07
9385	471115.53	3820267.94	2.37E-05	9.95E-05	8.96E-06	1.97E-05	7.31E-05	6.43E-06	2.24E-06	1.28E-05	1.53E-06	2.03E-06	6.71E-06	4.62E-07
9386	471111.75	3820276.81	2.36E-05	9.91E-05	8.92E-06	1.97E-05	7.28E-05	6.41E-06	2.23E-06	1.28E-05	1.52E-06	2.03E-06	6.68E-06	4.60E-07
9387	471107.98	3820285.68	2.35E-05	9.87E-05	8.89E-06	1.96E-05	7.25E-05	6.38E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.65E-06	4.58E-07
9388	471095.25	3820298.12	2.35E-05	9.88E-05	8.90E-06	1.96E-05	7.26E-05	6.39E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.66E-06	4.59E-07
9389	471086.3	3820301.7	2.37E-05	9.94E-05	8.95E-06	1.97E-05	7.30E-05	6.42E-06	2.24E-06	1.28E-05	1.53E-06	2.03E-06	6.70E-06	4.62E-07
9390	471077.35	3820305.28	2.38E-05	1.00E-04	9.00E-06	1.98E-05	7.35E-05	6.46E-06	2.25E-06	1.29E-05	1.54E-06	2.04E-06	6.74E-06	4.64E-07
9391	471068.4	3820308.85	2.39E-05	1.01E-04	9.05E-06	1.99E-05	7.39E-05	6.50E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.77E-06	4.67E-07
9392	471059.44	3820312.43	2.41E-05	1.01E-04	9.10E-06	2.00E-05	7.42E-05	6.53E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.81E-06	4.69E-07
9393	471050.49	3820316.01	2.42E-05	1.02E-04	9.15E-06	2.01E-05	7.46E-05	6.56E-06	2.28E-06	1.31E-05	1.56E-06	2.08E-06	6.85E-06	4.72E-07
9394	471041.54	3820319.58	2.43E-05	1.02E-04	9.19E-06	2.02E-05	7.50E-05	6.60E-06	2.30E-06	1.31E-05	1.57E-06	2.09E-06	6.88E-06	4.74E-07
9395	471032.59	3820323.16	2.44E-05	1.03E-04	9.24E-06	2.03E-05	7.54E-05	6.63E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.91E-06	4.77E-07
9396	471023.64	3820326.73	2.45E-05	1.03E-04	9.28E-06	2.04E-05	7.57E-05	6.66E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.95E-06	4.79E-07
9397	471014.69	3820330.31	2.47E-05	1.04E-04	9.33E-06	2.05E-05	7.61E-05	6.69E-06	2.33E-06	1.33E-05	1.59E-06	2.12E-06	6.98E-06	4.81E-07
9398	471005.74	3820333.89	2.48E-05	1.04E-04	9.37E-06	2.06E-05	7.65E-05	6.73E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.01E-06	4.84E-07
9399	470996.79	3820337.46	2.49E-05	1.05E-04	9.42E-06	2.07E-05	7.68E-05	6.76E-06	2.35E-06	1.35E-05	1.61E-06	2.14E-06	7.05E-06	4.86E-07
9400	470987.84	3820341.04	2.50E-05	1.05E-04	9.46E-06	2.08E-05	7.72E-05	6.79E-06	2.36E-06	1.35E-05	1.61E-06	2.15E-06	7.08E-06	4.88E-07
9401	470960.99	3820351.77	2.54E-05	1.07E-04	9.60E-06	2.11E-05	7.83E-05	6.89E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.19E-06	4.95E-07
9402	470952.04	3820355.34	2.55E-05	1.07E-04	9.65E-06	2.12E-05	7.87E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.22E-06	4.98E-07
9403	470943.08	3820358.92	2.56E-05	1.08E-04	9.70E-06	2.14E-05	7.91E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.26E-06	5.00E-07
9404	470934.13	3820362.5	2.58E-05	1.08E-04	9.75E-06	2.15E-05	7.95E-05	7.00E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.29E-06	5.03E-07

9405	470925.18	3820366.07	2.59E-05	1.09E-04	9.80E-06	2.16E-05	7.99E-05	7.03E-06	2.45E-06	1.40E-05	1.67E-06	2.22E-06	7.33E-06	5.05E-07
9406	470916.23	3820369.65	2.60E-05	1.09E-04	9.85E-06	2.17E-05	8.04E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.37E-06	5.08E-07
9407	470907.28	3820373.23	2.62E-05	1.10E-04	9.90E-06	2.18E-05	8.08E-05	7.11E-06	2.47E-06	1.42E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
9408	470898.33	3820376.8	2.63E-05	1.11E-04	9.96E-06	2.19E-05	8.13E-05	7.15E-06	2.49E-06	1.42E-05	1.70E-06	2.26E-06	7.46E-06	5.14E-07
9409	470889.38	3820380.38	2.65E-05	1.11E-04	1.00E-05	2.21E-05	8.18E-05	7.19E-06	2.50E-06	1.43E-05	1.71E-06	2.27E-06	7.50E-06	5.17E-07
9410	470880.43	3820383.95	2.67E-05	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
9411	470871.48	3820387.53	2.68E-05	1.13E-04	1.01E-05	2.23E-05	8.27E-05	7.28E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.59E-06	5.23E-07
9412	470862.53	3820391.11	2.70E-05	1.13E-04	1.02E-05	2.25E-05	8.32E-05	7.32E-06	2.55E-06	1.46E-05	1.74E-06	2.32E-06	7.64E-06	5.26E-07
9413	470790.92	3820419.72	2.87E-05	1.21E-04	1.09E-05	2.39E-05	8.86E-05	7.80E-06	2.71E-06	1.55E-05	1.85E-06	2.47E-06	8.13E-06	5.60E-07
9414	470781.97	3820423.29	2.90E-05	1.22E-04	1.10E-05	2.41E-05	8.94E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.20E-06	5.65E-07
9415	470773.02	3820426.87	2.92E-05	1.23E-04	1.11E-05	2.44E-05	9.02E-05	7.94E-06	2.76E-06	1.58E-05	1.89E-06	2.51E-06	8.28E-06	5.71E-07
9416	470764.07	3820430.45	2.95E-05	1.24E-04	1.12E-05	2.46E-05	9.11E-05	8.01E-06	2.79E-06	1.60E-05	1.90E-06	2.53E-06	8.36E-06	5.76E-07
9417	470755.12	3820434.02	2.98E-05	1.25E-04	1.13E-05	2.48E-05	9.20E-05	8.09E-06	2.81E-06	1.61E-05	1.92E-06	2.56E-06	8.44E-06	5.82E-07
9418	470746.17	3820437.6	3.01E-05	1.26E-04	1.14E-05	2.51E-05	9.29E-05	8.17E-06	2.84E-06	1.63E-05	1.94E-06	2.58E-06	8.52E-06	5.87E-07
9419	470737.22	3820441.17	3.04E-05	1.28E-04	1.15E-05	2.53E-05	9.38E-05	8.25E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.61E-06	5.93E-07
9420	470728.27	3820444.75	3.07E-05	1.29E-04	1.16E-05	2.56E-05	9.48E-05	8.34E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.69E-06	5.99E-07
9421	470719.31	3820448.33	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.57E-05	8.42E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.78E-06	6.05E-07
9422	470710.36	3820451.9	3.14E-05	1.32E-04	1.19E-05	2.61E-05	9.67E-05	8.51E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.87E-06	6.12E-07
9423	470701.41	3820455.48	3.17E-05	1.33E-04	1.20E-05	2.64E-05	9.78E-05	8.61E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.97E-06	6.19E-07
9424	470692.46	3820459.06	3.21E-05	1.35E-04	1.21E-05	2.67E-05	9.89E-05	8.70E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.07E-06	6.26E-07
9425	470683.51	3820462.63	3.24E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.80E-06	3.06E-06	1.75E-05	2.09E-06	2.78E-06	9.18E-06	6.33E-07
9426	470674.56	3820466.21	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.90E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.28E-06	6.40E-07
9427	470665.61	3820469.78	3.31E-05	1.39E-04	1.25E-05	2.76E-05	1.02E-04	8.99E-06	3.13E-06	1.79E-05	2.14E-06	2.84E-06	9.38E-06	6.46E-07
9428	470656.66	3820473.36	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.47E-06	6.53E-07
9429	470647.71	3820476.94	3.38E-05	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.18E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.57E-06	6.60E-07
9430	470638.76	3820480.51	3.42E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.27E-06	3.22E-06	1.85E-05	2.20E-06	2.93E-06	9.67E-06	6.66E-07
9431	470629.81	3820484.09	3.45E-05	1.45E-04	1.30E-05	2.87E-05	1.06E-04	9.36E-06	3.26E-06	1.86E-05	2.22E-06	2.96E-06	9.76E-06	6.73E-07
9432	470620.86	3820487.67	3.48E-05	1.46E-04	1.32E-05	2.90E-05	1.07E-04	9.45E-06	3.29E-06	1.88E-05	2.25E-06	2.99E-06	9.86E-06	6.80E-07
9433	470611.91	3820491.24	3.51E-05	1.48E-04	1.33E-05	2.93E-05	1.08E-04	9.54E-06	3.32E-06	1.90E-05	2.27E-06	3.02E-06	9.94E-06	6.85E-07
9434	470602.95	3820494.82	3.54E-05	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.62E-06	3.35E-06	1.92E-05	2.29E-06	3.04E-06	1.00E-05	6.91E-07
9435	470594	3820498.39	3.57E-05	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.70E-06	3.37E-06	1.93E-05	2.30E-06	3.07E-06	1.01E-05	6.97E-07
9436	470585.05	3820501.97	3.60E-05	1.51E-04	1.36E-05	3.00E-05	1.11E-04	9.77E-06	3.40E-06	1.95E-05	2.32E-06	3.09E-06	1.02E-05	7.02E-07
9437	470576.1	3820505.55	3.63E-05	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.84E-06	3.42E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.08E-07
9438	470567.15	3820509.12	3.65E-05	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.91E-06	3.45E-06	1.97E-05	2.36E-06	3.13E-06	1.03E-05	7.12E-07
9439	470558.2	3820512.7	3.68E-05	1.54E-04	1.39E-05	3.06E-05	1.13E-04	9.98E-06	3.47E-06	1.99E-05	2.37E-06	3.16E-06	1.04E-05	7.17E-07
9440	470549.25	3820516.28	3.70E-05	1.55E-04	1.40E-05	3.08E-05	1.14E-04	1.00E-05	3.49E-06	2.00E-05	2.39E-06	3.17E-06	1.05E-05	7.22E-07
9441	470540.3	3820519.85	3.72E-05	1.56E-04	1.41E-05	3.10E-05	1.15E-04	1.01E-05	3.51E-06	2.01E-05	2.40E-06	3.19E-06	1.05E-05	7.26E-07
9442	470531.35	3820523.43	3.74E-05	1.57E-04	1.41E-05	3.11E-05	1.15E-04	1.01E-05	3.53E-06	2.02E-05	2.41E-06	3.21E-06	1.06E-05	7.30E-07
9443	470522.4	3820527	3.76E-05	1.58E-04	1.42E-05	3.13E-05	1.16E-04	1.02E-05	3.55E-06	2.03E-05	2.42E-06	3.23E-06	1.06E-05	7.33E-07
9444	470513.45	3820530.58	3.77E-05	1.58E-04	1.43E-05	3.14E-05	1.16E-04	1.02E-05	3.56E-06	2.04E-05	2.43E-06	3.24E-06	1.07E-05	7.36E-07
9445	470504.5	3820534.16	3.79E-05	1.59E-04	1.43E-05	3.16E-05	1.17E-04	1.03E-05	3.58E-06	2.05E-05	2.44E-06	3.25E-06	1.07E-05	7.40E-07
9446	470495.54	3820537.73	3.80E-05	1.60E-04	1.44E-05	3.17E-05	1.17E-04	1.03E-05	3.59E-06	2.06E-05	2.45E-06	3.27E-06	1.08E-05	7.42E-07

9447	470486.59	3820541.31	3.82E-05	1.60E-04	1.44E-05	3.18E-05	1.18E-04	1.04E-05	3.60E-06	2.06E-05	2.46E-06	3.28E-06	1.08E-05	7.45E-07
9448	470477.64	3820544.89	3.83E-05	1.61E-04	1.45E-05	3.19E-05	1.18E-04	1.04E-05	3.62E-06	2.07E-05	2.47E-06	3.29E-06	1.08E-05	7.47E-07
9449	470468.69	3820548.46	3.84E-05	1.61E-04	1.45E-05	3.20E-05	1.19E-04	1.04E-05	3.63E-06	2.08E-05	2.48E-06	3.30E-06	1.09E-05	7.50E-07
9450	470459.74	3820552.04	3.85E-05	1.62E-04	1.46E-05	3.21E-05	1.19E-04	1.05E-05	3.64E-06	2.08E-05	2.49E-06	3.31E-06	1.09E-05	7.52E-07
9451	470450.79	3820555.61	3.86E-05	1.62E-04	1.46E-05	3.22E-05	1.19E-04	1.05E-05	3.65E-06	2.09E-05	2.49E-06	3.32E-06	1.09E-05	7.54E-07
9452	470441.84	3820559.19	3.87E-05	1.63E-04	1.47E-05	3.23E-05	1.20E-04	1.05E-05	3.66E-06	2.09E-05	2.50E-06	3.33E-06	1.10E-05	7.56E-07
9453	470432.89	3820562.77	3.89E-05	1.63E-04	1.47E-05	3.24E-05	1.20E-04	1.05E-05	3.67E-06	2.10E-05	2.51E-06	3.34E-06	1.10E-05	7.58E-07
9454	470423.94	3820566.34	3.89E-05	1.64E-04	1.47E-05	3.24E-05	1.20E-04	1.06E-05	3.68E-06	2.11E-05	2.51E-06	3.34E-06	1.10E-05	7.60E-07
9455	470414.99	3820569.92	3.90E-05	1.64E-04	1.48E-05	3.25E-05	1.20E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.35E-06	1.10E-05	7.62E-07
9456	470406.04	3820573.5	3.91E-05	1.64E-04	1.48E-05	3.26E-05	1.21E-04	1.06E-05	3.69E-06	2.11E-05	2.52E-06	3.36E-06	1.11E-05	7.63E-07
9457	470397.09	3820577.07	3.92E-05	1.65E-04	1.48E-05	3.27E-05	1.21E-04	1.06E-05	3.70E-06	2.12E-05	2.53E-06	3.37E-06	1.11E-05	7.65E-07
9458	470388.14	3820580.65	3.93E-05	1.65E-04	1.49E-05	3.27E-05	1.21E-04	1.07E-05	3.71E-06	2.13E-05	2.54E-06	3.37E-06	1.11E-05	7.67E-07
9459	470379.18	3820584.22	3.94E-05	1.65E-04	1.49E-05	3.28E-05	1.22E-04	1.07E-05	3.72E-06	2.13E-05	2.54E-06	3.38E-06	1.12E-05	7.69E-07
9460	470370.23	3820587.8	3.95E-05	1.66E-04	1.49E-05	3.29E-05	1.22E-04	1.07E-05	3.73E-06	2.13E-05	2.55E-06	3.39E-06	1.12E-05	7.70E-07
9461	470361.28	3820591.38	3.96E-05	1.66E-04	1.50E-05	3.30E-05	1.22E-04	1.07E-05	3.74E-06	2.14E-05	2.55E-06	3.40E-06	1.12E-05	7.72E-07
9462	470352.33	3820594.95	3.96E-05	1.67E-04	1.50E-05	3.30E-05	1.22E-04	1.08E-05	3.74E-06	2.14E-05	2.56E-06	3.40E-06	1.12E-05	7.74E-07
9463	470343.38	3820598.53	3.97E-05	1.67E-04	1.50E-05	3.31E-05	1.23E-04	1.08E-05	3.75E-06	2.15E-05	2.56E-06	3.41E-06	1.12E-05	7.75E-07
9464	470334.43	3820602.11	3.98E-05	1.67E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.76E-06	2.15E-05	2.57E-06	3.42E-06	1.13E-05	7.77E-07
9465	470325.48	3820605.68	3.99E-05	1.68E-04	1.51E-05	3.32E-05	1.23E-04	1.08E-05	3.77E-06	2.16E-05	2.57E-06	3.42E-06	1.13E-05	7.78E-07
9466	470316.53	3820609.26	4.00E-05	1.68E-04	1.51E-05	3.33E-05	1.23E-04	1.09E-05	3.77E-06	2.16E-05	2.58E-06	3.43E-06	1.13E-05	7.80E-07
9467	470307.58	3820612.83	4.01E-05	1.68E-04	1.52E-05	3.34E-05	1.24E-04	1.09E-05	3.79E-06	2.17E-05	2.59E-06	3.44E-06	1.13E-05	7.82E-07
9468	470298.63	3820616.41	4.02E-05	1.69E-04	1.52E-05	3.35E-05	1.24E-04	1.09E-05	3.80E-06	2.17E-05	2.59E-06	3.45E-06	1.14E-05	7.84E-07
9469	470289.68	3820619.99	4.03E-05	1.69E-04	1.52E-05	3.36E-05	1.24E-04	1.09E-05	3.81E-06	2.18E-05	2.60E-06	3.46E-06	1.14E-05	7.87E-07
9470	470280.73	3820623.56	4.04E-05	1.70E-04	1.53E-05	3.37E-05	1.25E-04	1.10E-05	3.82E-06	2.19E-05	2.61E-06	3.47E-06	1.14E-05	7.89E-07
9471	470271.77	3820627.14	4.06E-05	1.70E-04	1.53E-05	3.38E-05	1.25E-04	1.10E-05	3.83E-06	2.19E-05	2.62E-06	3.48E-06	1.15E-05	7.92E-07
9472	471459.21	3819460.95	2.15E-05	9.02E-05	8.13E-06	1.79E-05	6.63E-05	5.83E-06	2.03E-06	1.16E-05	1.39E-06	1.84E-06	6.08E-06	4.19E-07
9473	471459.29	3819451.3	2.14E-05	9.00E-05	8.11E-06	1.79E-05	6.61E-05	5.82E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.07E-06	4.18E-07
9474	471459.37	3819441.65	2.14E-05	8.97E-05	8.08E-06	1.78E-05	6.59E-05	5.80E-06	2.02E-06	1.16E-05	1.38E-06	1.83E-06	6.05E-06	4.17E-07
9475	471459.45	3819432	2.13E-05	8.95E-05	8.06E-06	1.77E-05	6.57E-05	5.78E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.03E-06	4.16E-07
9476	471459.54	3819422.35	2.12E-05	8.91E-05	8.03E-06	1.77E-05	6.55E-05	5.76E-06	2.00E-06	1.15E-05	1.37E-06	1.82E-06	6.01E-06	4.14E-07
9477	471459.62	3819412.71	2.11E-05	8.88E-05	7.99E-06	1.76E-05	6.52E-05	5.74E-06	2.00E-06	1.14E-05	1.36E-06	1.81E-06	5.98E-06	4.12E-07
9478	471459.87	3819383.76	2.08E-05	8.75E-05	7.88E-06	1.74E-05	6.43E-05	5.66E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.90E-06	4.07E-07
9479	471459.95	3819374.11	2.07E-05	8.70E-05	7.84E-06	1.73E-05	6.40E-05	5.63E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.87E-06	4.04E-07
9480	471460.03	3819364.47	2.06E-05	8.65E-05	7.79E-06	1.72E-05	6.36E-05	5.59E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.83E-06	4.02E-07
9481	471460.12	3819354.82	2.05E-05	8.60E-05	7.74E-06	1.71E-05	6.32E-05	5.56E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.80E-06	4.00E-07
9482	471460.2	3819345.17	2.03E-05	8.54E-05	7.69E-06	1.69E-05	6.27E-05	5.52E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.76E-06	3.97E-07
9483	471460.28	3819335.52	2.02E-05	8.48E-05	7.63E-06	1.68E-05	6.23E-05	5.48E-06	1.91E-06	1.09E-05	1.30E-06	1.73E-06	5.71E-06	3.94E-07
9484	471460.36	3819325.87	2.00E-05	8.41E-05	7.58E-06	1.67E-05	6.18E-05	5.44E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.67E-06	3.91E-07
9485	471460.45	3819316.22	1.99E-05	8.34E-05	7.51E-06	1.65E-05	6.13E-05	5.39E-06	1.88E-06	1.07E-05	1.28E-06	1.71E-06	5.62E-06	3.88E-07
9486	471460.53	3819306.58	1.97E-05	8.27E-05	7.45E-06	1.64E-05	6.08E-05	5.35E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.58E-06	3.84E-07
9487	471460.61	3819296.93	1.95E-05	8.20E-05	7.38E-06	1.63E-05	6.02E-05	5.30E-06	1.84E-06	1.06E-05	1.26E-06	1.68E-06	5.53E-06	3.81E-07
9488	471460.7	3819287.28	1.93E-05	8.12E-05	7.31E-06	1.61E-05	5.97E-05	5.25E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.47E-06	3.77E-07

9489	471460.78	3819277.63	1.91E-05	8.04E-05	7.24E-06	1.59E-05	5.91E-05	5.20E-06	1.81E-06	1.03E-05	1.23E-06	1.64E-06	5.42E-06	3.73E-07
9490	471460.86	3819267.98	1.89E-05	7.96E-05	7.16E-06	1.58E-05	5.85E-05	5.14E-06	1.79E-06	1.02E-05	1.22E-06	1.63E-06	5.36E-06	3.70E-07
9491	471460.94	3819258.34	1.87E-05	7.87E-05	7.09E-06	1.56E-05	5.78E-05	5.09E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.30E-06	3.66E-07
9492	471535.45	3819470.45	1.91E-05	8.01E-05	7.21E-06	1.59E-05	5.89E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
9493	471524.19	3819496.89	1.95E-05	8.19E-05	7.38E-06	1.62E-05	6.02E-05	5.29E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.52E-06	3.81E-07
9494	471520.44	3819505.7	1.96E-05	8.25E-05	7.43E-06	1.64E-05	6.06E-05	5.33E-06	1.85E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.83E-07
9495	471516.68	3819514.51	1.98E-05	8.31E-05	7.48E-06	1.65E-05	6.10E-05	5.37E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.60E-06	3.86E-07
9496	471512.93	3819523.32	1.99E-05	8.36E-05	7.53E-06	1.66E-05	6.14E-05	5.40E-06	1.88E-06	1.08E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
9497	471509.18	3819532.14	2.00E-05	8.42E-05	7.58E-06	1.67E-05	6.18E-05	5.44E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.67E-06	3.91E-07
9498	471505.42	3819540.95	2.02E-05	8.47E-05	7.63E-06	1.68E-05	6.22E-05	5.48E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.71E-06	3.94E-07
9499	471501.67	3819549.76	2.03E-05	8.53E-05	7.68E-06	1.69E-05	6.26E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.75E-06	3.96E-07
9500	471497.92	3819558.58	2.04E-05	8.58E-05	7.72E-06	1.70E-05	6.30E-05	5.54E-06	1.93E-06	1.10E-05	1.32E-06	1.75E-06	5.78E-06	3.99E-07
9501	471494.16	3819567.39	2.06E-05	8.63E-05	7.77E-06	1.71E-05	6.34E-05	5.58E-06	1.94E-06	1.11E-05	1.33E-06	1.76E-06	5.82E-06	4.01E-07
9502	471490.41	3819576.2	2.07E-05	8.68E-05	7.82E-06	1.72E-05	6.38E-05	5.61E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.85E-06	4.03E-07
9503	471486.66	3819585.02	2.08E-05	8.73E-05	7.86E-06	1.73E-05	6.42E-05	5.65E-06	1.96E-06	1.12E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
9504	471482.91	3819593.83	2.09E-05	8.78E-05	7.91E-06	1.74E-05	6.45E-05	5.68E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.92E-06	4.08E-07
9505	471479.15	3819602.64	2.10E-05	8.83E-05	7.96E-06	1.75E-05	6.49E-05	5.71E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.95E-06	4.10E-07
9506	471475.4	3819611.45	2.12E-05	8.88E-05	8.00E-06	1.76E-05	6.53E-05	5.74E-06	2.00E-06	1.14E-05	1.36E-06	1.82E-06	5.99E-06	4.13E-07
9507	471471.65	3819620.27	2.13E-05	8.93E-05	8.04E-06	1.77E-05	6.56E-05	5.77E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.02E-06	4.15E-07
9508	471467.89	3819629.08	2.14E-05	8.98E-05	8.09E-06	1.78E-05	6.60E-05	5.80E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.05E-06	4.17E-07
9509	471464.14	3819637.89	2.15E-05	9.03E-05	8.13E-06	1.79E-05	6.63E-05	5.84E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.09E-06	4.19E-07
9510	471460.39	3819646.71	2.16E-05	9.07E-05	8.17E-06	1.80E-05	6.67E-05	5.87E-06	2.04E-06	1.17E-05	1.39E-06	1.86E-06	6.12E-06	4.22E-07
9511	471456.63	3819655.52	2.17E-05	9.12E-05	8.21E-06	1.81E-05	6.70E-05	5.90E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.15E-06	4.24E-07
9512	471441.62	3819690.77	2.21E-05	9.30E-05	8.37E-06	1.84E-05	6.83E-05	6.01E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.27E-06	4.32E-07
9513	471437.87	3819699.59	2.22E-05	9.34E-05	8.41E-06	1.85E-05	6.86E-05	6.04E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.29E-06	4.34E-07
9514	471434.11	3819708.4	2.23E-05	9.38E-05	8.45E-06	1.86E-05	6.89E-05	6.06E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.32E-06	4.36E-07
9515	471430.36	3819717.21	2.24E-05	9.42E-05	8.48E-06	1.87E-05	6.92E-05	6.09E-06	2.12E-06	1.21E-05	1.45E-06	1.93E-06	6.35E-06	4.38E-07
9516	471426.61	3819726.02	2.25E-05	9.46E-05	8.52E-06	1.88E-05	6.95E-05	6.11E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.37E-06	4.39E-07
9517	471422.85	3819734.84	2.26E-05	9.49E-05	8.55E-06	1.88E-05	6.98E-05	6.14E-06	2.13E-06	1.22E-05	1.46E-06	1.94E-06	6.40E-06	4.41E-07
9518	471419.1	3819743.65	2.27E-05	9.53E-05	8.58E-06	1.89E-05	7.00E-05	6.16E-06	2.14E-06	1.23E-05	1.46E-06	1.95E-06	6.42E-06	4.43E-07
9519	471415.35	3819752.46	2.28E-05	9.56E-05	8.61E-06	1.90E-05	7.03E-05	6.18E-06	2.15E-06	1.23E-05	1.47E-06	1.95E-06	6.44E-06	4.44E-07
9520	471411.59	3819761.28	2.28E-05	9.59E-05	8.64E-06	1.90E-05	7.05E-05	6.20E-06	2.16E-06	1.24E-05	1.47E-06	1.96E-06	6.47E-06	4.46E-07
9521	471407.84	3819770.09	2.29E-05	9.62E-05	8.67E-06	1.91E-05	7.07E-05	6.22E-06	2.16E-06	1.24E-05	1.48E-06	1.97E-06	6.49E-06	4.47E-07
9522	471404.09	3819778.9	2.30E-05	9.65E-05	8.69E-06	1.91E-05	7.09E-05	6.24E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.51E-06	4.49E-07
9523	471400.33	3819787.72	2.30E-05	9.68E-05	8.72E-06	1.92E-05	7.11E-05	6.26E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.52E-06	4.50E-07
9524	471396.58	3819796.53	2.31E-05	9.70E-05	8.74E-06	1.92E-05	7.13E-05	6.27E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.54E-06	4.51E-07
9525	471392.83	3819805.34	2.32E-05	9.73E-05	8.76E-06	1.93E-05	7.15E-05	6.29E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.56E-06	4.52E-07
9526	471389.07	3819814.15	2.32E-05	9.75E-05	8.78E-06	1.93E-05	7.16E-05	6.30E-06	2.19E-06	1.25E-05	1.50E-06	1.99E-06	6.57E-06	4.53E-07
9527	471385.32	3819822.97	2.32E-05	9.76E-05	8.79E-06	1.94E-05	7.17E-05	6.31E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.58E-06	4.54E-07
9528	471381.57	3819831.78	2.33E-05	9.78E-05	8.81E-06	1.94E-05	7.19E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.54E-07
9529	471377.81	3819840.59	2.33E-05	9.79E-05	8.82E-06	1.94E-05	7.20E-05	6.33E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.60E-06	4.55E-07
9530	471374.06	3819849.41	2.33E-05	9.80E-05	8.83E-06	1.94E-05	7.20E-05	6.34E-06	2.20E-06	1.26E-05	1.51E-06	2.00E-06	6.61E-06	4.55E-07

9531	471370.31	3819858.22	2.34E-05	9.81E-05	8.84E-06	1.95E-05	7.21E-05	6.34E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.61E-06	4.56E-07
9532	471366.56	3819867.03	2.34E-05	9.82E-05	8.84E-06	1.95E-05	7.21E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.56E-07
9533	471362.8	3819875.85	2.34E-05	9.82E-05	8.85E-06	1.95E-05	7.22E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.56E-07
9534	471359.05	3819884.66	2.34E-05	9.83E-05	8.85E-06	1.95E-05	7.22E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.57E-07
9535	471355.3	3819893.47	2.34E-05	9.83E-05	8.85E-06	1.95E-05	7.22E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.57E-07
9536	471351.54	3819902.28	2.34E-05	9.82E-05	8.85E-06	1.95E-05	7.22E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.56E-07
9537	471347.79	3819911.1	2.34E-05	9.82E-05	8.84E-06	1.95E-05	7.22E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.56E-07
9538	471344.04	3819919.91	2.34E-05	9.82E-05	8.84E-06	1.95E-05	7.21E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.56E-07
9539	471340.28	3819928.72	2.34E-05	9.81E-05	8.83E-06	1.95E-05	7.21E-05	6.34E-06	2.21E-06	1.26E-05	1.51E-06	2.00E-06	6.61E-06	4.56E-07
9540	471336.53	3819937.54	2.33E-05	9.80E-05	8.83E-06	1.94E-05	7.20E-05	6.33E-06	2.20E-06	1.26E-05	1.51E-06	2.00E-06	6.61E-06	4.55E-07
9541	471332.78	3819946.35	2.33E-05	9.79E-05	8.82E-06	1.94E-05	7.19E-05	6.33E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.60E-06	4.55E-07
9542	471329.02	3819955.16	2.33E-05	9.78E-05	8.81E-06	1.94E-05	7.19E-05	6.32E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.59E-06	4.54E-07
9543	471325.27	3819963.98	2.33E-05	9.77E-05	8.79E-06	1.94E-05	7.18E-05	6.31E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.58E-06	4.54E-07
9544	471321.52	3819972.79	2.32E-05	9.75E-05	8.78E-06	1.93E-05	7.17E-05	6.30E-06	2.19E-06	1.26E-05	1.50E-06	1.99E-06	6.57E-06	4.53E-07
9545	471317.76	3819981.6	2.32E-05	9.74E-05	8.77E-06	1.93E-05	7.16E-05	6.30E-06	2.19E-06	1.25E-05	1.50E-06	1.99E-06	6.56E-06	4.53E-07
9546	471314.01	3819990.41	2.32E-05	9.72E-05	8.76E-06	1.93E-05	7.14E-05	6.29E-06	2.19E-06	1.25E-05	1.49E-06	1.99E-06	6.55E-06	4.52E-07
9547	471310.26	3819999.23	2.31E-05	9.71E-05	8.74E-06	1.93E-05	7.13E-05	6.27E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.54E-06	4.51E-07
9548	471306.5	3820008.04	2.31E-05	9.69E-05	8.73E-06	1.92E-05	7.12E-05	6.26E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.53E-06	4.50E-07
9549	471302.75	3820016.85	2.30E-05	9.67E-05	8.71E-06	1.92E-05	7.11E-05	6.25E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.52E-06	4.50E-07
9550	471299	3820025.67	2.30E-05	9.66E-05	8.70E-06	1.92E-05	7.10E-05	6.24E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.51E-06	4.49E-07
9551	471295.24	3820034.48	2.30E-05	9.64E-05	8.68E-06	1.91E-05	7.08E-05	6.23E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.50E-06	4.48E-07
9552	471291.49	3820043.29	2.29E-05	9.62E-05	8.66E-06	1.91E-05	7.07E-05	6.22E-06	2.16E-06	1.24E-05	1.48E-06	1.97E-06	6.48E-06	4.47E-07
9553	471287.74	3820052.11	2.29E-05	9.60E-05	8.65E-06	1.90E-05	7.05E-05	6.21E-06	2.16E-06	1.24E-05	1.47E-06	1.96E-06	6.47E-06	4.46E-07
9554	471283.98	3820060.92	2.28E-05	9.58E-05	8.63E-06	1.90E-05	7.04E-05	6.19E-06	2.15E-06	1.23E-05	1.47E-06	1.96E-06	6.46E-06	4.45E-07
9555	471280.23	3820069.73	2.28E-05	9.56E-05	8.61E-06	1.90E-05	7.03E-05	6.18E-06	2.15E-06	1.23E-05	1.47E-06	1.95E-06	6.44E-06	4.44E-07
9556	471276.48	3820078.55	2.27E-05	9.54E-05	8.59E-06	1.89E-05	7.01E-05	6.17E-06	2.15E-06	1.23E-05	1.47E-06	1.95E-06	6.43E-06	4.43E-07
9557	471272.72	3820087.36	2.27E-05	9.53E-05	8.58E-06	1.89E-05	7.00E-05	6.16E-06	2.14E-06	1.23E-05	1.46E-06	1.95E-06	6.42E-06	4.43E-07
9558	471268.97	3820096.17	2.26E-05	9.51E-05	8.56E-06	1.89E-05	6.99E-05	6.15E-06	2.14E-06	1.22E-05	1.46E-06	1.94E-06	6.41E-06	4.42E-07
9559	471265.22	3820104.98	2.26E-05	9.49E-05	8.55E-06	1.88E-05	6.97E-05	6.13E-06	2.13E-06	1.22E-05	1.46E-06	1.94E-06	6.40E-06	4.41E-07
9560	471261.46	3820113.8	2.26E-05	9.47E-05	8.53E-06	1.88E-05	6.96E-05	6.12E-06	2.13E-06	1.22E-05	1.45E-06	1.94E-06	6.38E-06	4.40E-07
9561	471257.71	3820122.61	2.25E-05	9.45E-05	8.51E-06	1.87E-05	6.95E-05	6.11E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.37E-06	4.39E-07
9562	471253.96	3820131.42	2.25E-05	9.43E-05	8.50E-06	1.87E-05	6.93E-05	6.10E-06	2.12E-06	1.21E-05	1.45E-06	1.93E-06	6.36E-06	4.38E-07
9563	471250.2	3820140.24	2.24E-05	9.42E-05	8.48E-06	1.87E-05	6.92E-05	6.09E-06	2.12E-06	1.21E-05	1.45E-06	1.92E-06	6.35E-06	4.38E-07
9564	471246.45	3820149.05	2.24E-05	9.40E-05	8.46E-06	1.86E-05	6.91E-05	6.07E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.33E-06	4.37E-07
9565	471242.7	3820157.86	2.23E-05	9.38E-05	8.45E-06	1.86E-05	6.89E-05	6.06E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.32E-06	4.36E-07
9566	471238.95	3820166.68	2.23E-05	9.36E-05	8.43E-06	1.86E-05	6.88E-05	6.05E-06	2.10E-06	1.20E-05	1.44E-06	1.91E-06	6.31E-06	4.35E-07
9567	471235.19	3820175.49	2.22E-05	9.34E-05	8.41E-06	1.85E-05	6.86E-05	6.03E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.29E-06	4.34E-07
9568	471231.44	3820184.3	2.22E-05	9.32E-05	8.39E-06	1.85E-05	6.84E-05	6.02E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.28E-06	4.33E-07
9569	471227.69	3820193.11	2.21E-05	9.30E-05	8.37E-06	1.84E-05	6.83E-05	6.01E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.27E-06	4.32E-07
9570	471223.93	3820201.93	2.21E-05	9.27E-05	8.35E-06	1.84E-05	6.81E-05	5.99E-06	2.09E-06	1.19E-05	1.42E-06	1.90E-06	6.25E-06	4.31E-07
9571	471220.18	3820210.74	2.20E-05	9.25E-05	8.33E-06	1.84E-05	6.80E-05	5.98E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.24E-06	4.30E-07
9572	471216.43	3820219.55	2.20E-05	9.23E-05	8.31E-06	1.83E-05	6.78E-05	5.97E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.22E-06	4.29E-07

9573	471212.67	3820228.37	2.19E-05	9.21E-05	8.29E-06	1.83E-05	6.77E-05	5.95E-06	2.07E-06	1.19E-05	1.41E-06	1.88E-06	6.21E-06	4.28E-07
9574	471208.92	3820237.18	2.19E-05	9.18E-05	8.27E-06	1.82E-05	6.75E-05	5.94E-06	2.07E-06	1.18E-05	1.41E-06	1.88E-06	6.19E-06	4.27E-07
9575	471205.17	3820245.99	2.18E-05	9.16E-05	8.25E-06	1.82E-05	6.73E-05	5.92E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.18E-06	4.26E-07
9576	471201.41	3820254.81	2.18E-05	9.14E-05	8.23E-06	1.81E-05	6.71E-05	5.91E-06	2.05E-06	1.18E-05	1.40E-06	1.87E-06	6.16E-06	4.24E-07
9577	471197.66	3820263.62	2.17E-05	9.11E-05	8.20E-06	1.81E-05	6.69E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.23E-07
9578	471193.91	3820272.43	2.16E-05	9.08E-05	8.18E-06	1.80E-05	6.67E-05	5.87E-06	2.04E-06	1.17E-05	1.40E-06	1.86E-06	6.12E-06	4.22E-07
9579	471190.15	3820281.24	2.16E-05	9.05E-05	8.15E-06	1.80E-05	6.65E-05	5.85E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.10E-06	4.21E-07
9580	471186.4	3820290.06	2.15E-05	9.03E-05	8.13E-06	1.79E-05	6.63E-05	5.83E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.08E-06	4.19E-07
9581	471182.65	3820298.87	2.14E-05	9.00E-05	8.10E-06	1.78E-05	6.61E-05	5.82E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.06E-06	4.18E-07
9582	471178.89	3820307.68	2.13E-05	8.97E-05	8.07E-06	1.78E-05	6.59E-05	5.80E-06	2.02E-06	1.15E-05	1.38E-06	1.83E-06	6.04E-06	4.17E-07
9583	471175.14	3820316.5	2.13E-05	8.93E-05	8.04E-06	1.77E-05	6.56E-05	5.77E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.02E-06	4.15E-07
9584	471171.39	3820325.31	2.12E-05	8.90E-05	8.01E-06	1.76E-05	6.54E-05	5.75E-06	2.00E-06	1.15E-05	1.37E-06	1.82E-06	6.00E-06	4.13E-07
9585	471167.63	3820334.12	2.11E-05	8.86E-05	7.98E-06	1.76E-05	6.51E-05	5.73E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.97E-06	4.12E-07
9586	471163.88	3820342.94	2.10E-05	8.83E-05	7.95E-06	1.75E-05	6.49E-05	5.71E-06	1.98E-06	1.14E-05	1.36E-06	1.80E-06	5.95E-06	4.10E-07
9587	471151.23	3820355.3	2.10E-05	8.84E-05	7.96E-06	1.75E-05	6.49E-05	5.71E-06	1.99E-06	1.14E-05	1.36E-06	1.81E-06	5.96E-06	4.11E-07
9588	471142.34	3820358.86	2.12E-05	8.89E-05	8.01E-06	1.76E-05	6.53E-05	5.75E-06	2.00E-06	1.14E-05	1.37E-06	1.82E-06	5.99E-06	4.13E-07
9589	471133.44	3820362.41	2.13E-05	8.94E-05	8.05E-06	1.77E-05	6.57E-05	5.78E-06	2.01E-06	1.15E-05	1.37E-06	1.83E-06	6.02E-06	4.15E-07
9590	471124.55	3820365.97	2.14E-05	8.98E-05	8.09E-06	1.78E-05	6.60E-05	5.81E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.06E-06	4.17E-07
9591	471115.65	3820369.52	2.15E-05	9.03E-05	8.13E-06	1.79E-05	6.64E-05	5.84E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.09E-06	4.20E-07
9592	471106.76	3820373.07	2.16E-05	9.07E-05	8.17E-06	1.80E-05	6.67E-05	5.87E-06	2.04E-06	1.17E-05	1.39E-06	1.86E-06	6.12E-06	4.22E-07
9593	471097.86	3820376.63	2.17E-05	9.12E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.15E-06	4.24E-07
9594	471088.97	3820380.18	2.18E-05	9.16E-05	8.25E-06	1.82E-05	6.73E-05	5.92E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.18E-06	4.26E-07
9595	471080.07	3820383.74	2.19E-05	9.21E-05	8.29E-06	1.83E-05	6.76E-05	5.95E-06	2.07E-06	1.19E-05	1.41E-06	1.88E-06	6.21E-06	4.28E-07
9596	471071.18	3820387.29	2.20E-05	9.25E-05	8.33E-06	1.83E-05	6.80E-05	5.98E-06	2.08E-06	1.19E-05	1.42E-06	1.89E-06	6.23E-06	4.30E-07
9597	471062.28	3820390.84	2.21E-05	9.29E-05	8.37E-06	1.84E-05	6.83E-05	6.01E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.26E-06	4.32E-07
9598	471053.38	3820394.4	2.22E-05	9.33E-05	8.41E-06	1.85E-05	6.86E-05	6.03E-06	2.10E-06	1.20E-05	1.43E-06	1.91E-06	6.29E-06	4.34E-07
9599	471044.49	3820397.95	2.23E-05	9.38E-05	8.44E-06	1.86E-05	6.89E-05	6.06E-06	2.11E-06	1.21E-05	1.44E-06	1.92E-06	6.32E-06	4.36E-07
9600	471035.59	3820401.51	2.24E-05	9.42E-05	8.48E-06	1.87E-05	6.92E-05	6.09E-06	2.12E-06	1.21E-05	1.45E-06	1.93E-06	6.35E-06	4.38E-07
9601	471026.7	3820405.06	2.25E-05	9.46E-05	8.52E-06	1.88E-05	6.95E-05	6.11E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.38E-06	4.39E-07
9602	471017.8	3820408.61	2.26E-05	9.50E-05	8.56E-06	1.88E-05	6.98E-05	6.14E-06	2.14E-06	1.22E-05	1.46E-06	1.94E-06	6.40E-06	4.41E-07
9603	471008.91	3820412.17	2.27E-05	9.54E-05	8.59E-06	1.89E-05	7.01E-05	6.17E-06	2.15E-06	1.23E-05	1.47E-06	1.95E-06	6.43E-06	4.43E-07
9604	471000.01	3820415.72	2.28E-05	9.59E-05	8.63E-06	1.90E-05	7.04E-05	6.20E-06	2.16E-06	1.23E-05	1.47E-06	1.96E-06	6.46E-06	4.45E-07
9605	470991.12	3820419.28	2.29E-05	9.63E-05	8.67E-06	1.91E-05	7.08E-05	6.23E-06	2.17E-06	1.24E-05	1.48E-06	1.97E-06	6.49E-06	4.47E-07
9606	470964.43	3820429.94	2.33E-05	9.77E-05	8.80E-06	1.94E-05	7.18E-05	6.31E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.58E-06	4.54E-07
9607	470955.54	3820433.49	2.34E-05	9.82E-05	8.84E-06	1.95E-05	7.21E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.56E-07
9608	470946.64	3820437.05	2.35E-05	9.87E-05	8.89E-06	1.96E-05	7.25E-05	6.38E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.65E-06	4.58E-07
9609	470937.75	3820440.6	2.36E-05	9.92E-05	8.93E-06	1.97E-05	7.29E-05	6.41E-06	2.23E-06	1.28E-05	1.52E-06	2.03E-06	6.68E-06	4.61E-07
9610	470928.85	3820444.15	2.37E-05	9.97E-05	8.98E-06	1.98E-05	7.33E-05	6.44E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.72E-06	4.63E-07
9611	470919.96	3820447.71	2.39E-05	1.00E-04	9.03E-06	1.99E-05	7.37E-05	6.48E-06	2.25E-06	1.29E-05	1.54E-06	2.05E-06	6.76E-06	4.66E-07
9612	470911.06	3820451.26	2.40E-05	1.01E-04	9.08E-06	2.00E-05	7.41E-05	6.52E-06	2.27E-06	1.30E-05	1.55E-06	2.06E-06	6.79E-06	4.68E-07
9613	470902.17	3820454.82	2.41E-05	1.01E-04	9.13E-06	2.01E-05	7.45E-05	6.56E-06	2.28E-06	1.31E-05	1.56E-06	2.07E-06	6.84E-06	4.71E-07
9614	470893.27	3820458.37	2.43E-05	1.02E-04	9.19E-06	2.02E-05	7.50E-05	6.60E-06	2.29E-06	1.31E-05	1.57E-06	2.09E-06	6.88E-06	4.74E-07

9615	470822.11	3820486.8	2.58E-05	1.08E-04	9.76E-06	2.15E-05	7.96E-05	7.00E-06	2.44E-06	1.39E-05	1.66E-06	2.22E-06	7.30E-06	5.04E-07
9616	470813.21	3820490.36	2.60E-05	1.09E-04	9.84E-06	2.17E-05	8.03E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.23E-06	7.37E-06	5.08E-07
9617	470804.32	3820493.91	2.63E-05	1.10E-04	9.94E-06	2.19E-05	8.11E-05	7.13E-06	2.48E-06	1.42E-05	1.69E-06	2.26E-06	7.44E-06	5.13E-07
9618	470795.42	3820497.46	2.65E-05	1.11E-04	1.00E-05	2.21E-05	8.18E-05	7.20E-06	2.50E-06	1.43E-05	1.71E-06	2.28E-06	7.50E-06	5.17E-07
9619	470786.53	3820501.02	2.68E-05	1.12E-04	1.01E-05	2.23E-05	8.25E-05	7.26E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.57E-06	5.22E-07
9620	470777.63	3820504.57	2.70E-05	1.13E-04	1.02E-05	2.25E-05	8.33E-05	7.33E-06	2.55E-06	1.46E-05	1.74E-06	2.32E-06	7.64E-06	5.27E-07
9621	470768.74	3820508.13	2.73E-05	1.14E-04	1.03E-05	2.27E-05	8.41E-05	7.40E-06	2.57E-06	1.47E-05	1.76E-06	2.34E-06	7.72E-06	5.32E-07
9622	470759.84	3820511.68	2.75E-05	1.16E-04	1.04E-05	2.29E-05	8.49E-05	7.47E-06	2.60E-06	1.49E-05	1.77E-06	2.36E-06	7.79E-06	5.37E-07
9623	470750.95	3820515.24	2.78E-05	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
9624	470742.05	3820518.79	2.81E-05	1.18E-04	1.06E-05	2.34E-05	8.66E-05	7.61E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.94E-06	5.47E-07
9625	470733.16	3820522.34	2.83E-05	1.19E-04	1.07E-05	2.36E-05	8.74E-05	7.69E-06	2.68E-06	1.53E-05	1.83E-06	2.43E-06	8.02E-06	5.53E-07
9626	470724.26	3820525.9	2.86E-05	1.20E-04	1.08E-05	2.38E-05	8.83E-05	7.77E-06	2.70E-06	1.55E-05	1.85E-06	2.46E-06	8.10E-06	5.59E-07
9627	470715.37	3820529.45	2.89E-05	1.21E-04	1.09E-05	2.41E-05	8.92E-05	7.85E-06	2.73E-06	1.56E-05	1.87E-06	2.48E-06	8.19E-06	5.64E-07
9628	470706.47	3820533.01	2.92E-05	1.23E-04	1.11E-05	2.43E-05	9.02E-05	7.93E-06	2.76E-06	1.58E-05	1.88E-06	2.51E-06	8.27E-06	5.70E-07
9629	470697.58	3820536.56	2.95E-05	1.24E-04	1.12E-05	2.46E-05	9.11E-05	8.02E-06	2.79E-06	1.60E-05	1.90E-06	2.54E-06	8.36E-06	5.76E-07
9630	470688.68	3820540.11	2.98E-05	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.93E-06	2.56E-06	8.45E-06	5.82E-07
9631	470679.79	3820543.67	3.02E-05	1.27E-04	1.14E-05	2.51E-05	9.30E-05	8.18E-06	2.85E-06	1.63E-05	1.94E-06	2.59E-06	8.54E-06	5.88E-07
9632	470670.89	3820547.22	3.04E-05	1.28E-04	1.15E-05	2.54E-05	9.39E-05	8.26E-06	2.87E-06	1.65E-05	1.96E-06	2.61E-06	8.62E-06	5.94E-07
9633	470662	3820550.78	3.07E-05	1.29E-04	1.16E-05	2.56E-05	9.48E-05	8.34E-06	2.90E-06	1.66E-05	1.98E-06	2.64E-06	8.70E-06	5.99E-07
9634	470653.1	3820554.33	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.56E-05	8.41E-06	2.93E-06	1.68E-05	2.00E-06	2.66E-06	8.77E-06	6.05E-07
9635	470644.2	3820557.88	3.13E-05	1.31E-04	1.18E-05	2.60E-05	9.65E-05	8.49E-06	2.95E-06	1.69E-05	2.02E-06	2.68E-06	8.85E-06	6.10E-07
9636	470635.31	3820561.44	3.15E-05	1.32E-04	1.19E-05	2.63E-05	9.73E-05	8.56E-06	2.98E-06	1.71E-05	2.03E-06	2.71E-06	8.93E-06	6.15E-07
9637	470626.41	3820564.99	3.18E-05	1.34E-04	1.20E-05	2.65E-05	9.82E-05	8.63E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	9.00E-06	6.21E-07
9638	470617.52	3820568.55	3.21E-05	1.35E-04	1.21E-05	2.67E-05	9.90E-05	8.71E-06	3.03E-06	1.73E-05	2.07E-06	2.75E-06	9.08E-06	6.26E-07
9639	470608.62	3820572.1	3.23E-05	1.36E-04	1.22E-05	2.69E-05	9.97E-05	8.77E-06	3.05E-06	1.75E-05	2.08E-06	2.77E-06	9.15E-06	6.30E-07
9640	470599.73	3820575.65	3.25E-05	1.37E-04	1.23E-05	2.71E-05	1.00E-04	8.83E-06	3.07E-06	1.76E-05	2.10E-06	2.79E-06	9.21E-06	6.35E-07
9641	470590.83	3820579.21	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.89E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.27E-06	6.39E-07
9642	470581.94	3820582.76	3.29E-05	1.38E-04	1.25E-05	2.74E-05	1.02E-04	8.94E-06	3.11E-06	1.78E-05	2.13E-06	2.83E-06	9.33E-06	6.43E-07
9643	470573.04	3820586.32	3.31E-05	1.39E-04	1.25E-05	2.76E-05	1.02E-04	8.99E-06	3.13E-06	1.79E-05	2.14E-06	2.84E-06	9.38E-06	6.46E-07
9644	470564.15	3820589.87	3.33E-05	1.40E-04	1.26E-05	2.77E-05	1.03E-04	9.04E-06	3.15E-06	1.80E-05	2.15E-06	2.86E-06	9.43E-06	6.50E-07
9645	470555.25	3820593.42	3.35E-05	1.41E-04	1.27E-05	2.79E-05	1.03E-04	9.09E-06	3.16E-06	1.81E-05	2.16E-06	2.87E-06	9.48E-06	6.53E-07
9646	470546.36	3820596.98	3.37E-05	1.41E-04	1.27E-05	2.80E-05	1.04E-04	9.13E-06	3.18E-06	1.82E-05	2.17E-06	2.89E-06	9.52E-06	6.57E-07
9647	470537.46	3820600.53	3.38E-05	1.42E-04	1.28E-05	2.82E-05	1.04E-04	9.18E-06	3.19E-06	1.83E-05	2.18E-06	2.90E-06	9.57E-06	6.60E-07
9648	470528.57	3820604.09	3.39E-05	1.43E-04	1.28E-05	2.83E-05	1.05E-04	9.21E-06	3.21E-06	1.84E-05	2.19E-06	2.91E-06	9.61E-06	6.62E-07
9649	470519.67	3820607.64	3.41E-05	1.43E-04	1.29E-05	2.84E-05	1.05E-04	9.25E-06	3.22E-06	1.84E-05	2.20E-06	2.93E-06	9.65E-06	6.65E-07
9650	470510.78	3820611.19	3.42E-05	1.44E-04	1.29E-05	2.85E-05	1.06E-04	9.29E-06	3.23E-06	1.85E-05	2.21E-06	2.94E-06	9.69E-06	6.68E-07
9651	470501.88	3820614.75	3.44E-05	1.44E-04	1.30E-05	2.86E-05	1.06E-04	9.33E-06	3.24E-06	1.86E-05	2.22E-06	2.95E-06	9.72E-06	6.70E-07
9652	470492.99	3820618.3	3.45E-05	1.45E-04	1.30E-05	2.87E-05	1.06E-04	9.35E-06	3.25E-06	1.86E-05	2.22E-06	2.96E-06	9.75E-06	6.72E-07
9653	470484.09	3820621.86	3.45E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.38E-06	3.26E-06	1.87E-05	2.23E-06	2.97E-06	9.78E-06	6.74E-07
9654	470475.2	3820625.41	3.46E-05	1.45E-04	1.31E-05	2.88E-05	1.07E-04	9.40E-06	3.27E-06	1.87E-05	2.23E-06	2.97E-06	9.80E-06	6.76E-07
9655	470466.3	3820628.96	3.47E-05	1.46E-04	1.31E-05	2.89E-05	1.07E-04	9.43E-06	3.28E-06	1.88E-05	2.24E-06	2.98E-06	9.83E-06	6.78E-07
9656	470457.41	3820632.52	3.48E-05	1.46E-04	1.32E-05	2.90E-05	1.07E-04	9.45E-06	3.29E-06	1.88E-05	2.25E-06	2.99E-06	9.86E-06	6.80E-07

9657	470448.51	3820636.07	3.49E-05	1.47E-04	1.32E-05	2.91E-05	1.08E-04	9.48E-06	3.30E-06	1.89E-05	2.25E-06	3.00E-06	9.89E-06	6.82E-07
9658	470439.61	3820639.63	3.50E-05	1.47E-04	1.32E-05	2.92E-05	1.08E-04	9.50E-06	3.31E-06	1.89E-05	2.26E-06	3.01E-06	9.91E-06	6.83E-07
9659	470430.72	3820643.18	3.51E-05	1.47E-04	1.33E-05	2.92E-05	1.08E-04	9.52E-06	3.31E-06	1.90E-05	2.26E-06	3.01E-06	9.93E-06	6.84E-07
9660	470421.82	3820646.74	3.51E-05	1.47E-04	1.33E-05	2.93E-05	1.08E-04	9.53E-06	3.32E-06	1.90E-05	2.27E-06	3.01E-06	9.94E-06	6.85E-07
9661	470412.93	3820650.29	3.52E-05	1.48E-04	1.33E-05	2.93E-05	1.09E-04	9.55E-06	3.32E-06	1.90E-05	2.27E-06	3.02E-06	9.96E-06	6.86E-07
9662	470404.03	3820653.84	3.52E-05	1.48E-04	1.33E-05	2.93E-05	1.09E-04	9.56E-06	3.33E-06	1.90E-05	2.27E-06	3.02E-06	9.97E-06	6.87E-07
9663	470395.14	3820657.4	3.53E-05	1.48E-04	1.33E-05	2.94E-05	1.09E-04	9.58E-06	3.33E-06	1.91E-05	2.28E-06	3.03E-06	9.99E-06	6.88E-07
9664	470386.24	3820660.95	3.53E-05	1.48E-04	1.34E-05	2.94E-05	1.09E-04	9.59E-06	3.34E-06	1.91E-05	2.28E-06	3.03E-06	1.00E-05	6.89E-07
9665	470377.35	3820664.51	3.54E-05	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.60E-06	3.34E-06	1.91E-05	2.28E-06	3.04E-06	1.00E-05	6.90E-07
9666	470368.45	3820668.06	3.54E-05	1.49E-04	1.34E-05	2.95E-05	1.09E-04	9.62E-06	3.35E-06	1.92E-05	2.29E-06	3.04E-06	1.00E-05	6.92E-07
9667	470359.56	3820671.61	3.55E-05	1.49E-04	1.34E-05	2.96E-05	1.10E-04	9.64E-06	3.35E-06	1.92E-05	2.29E-06	3.05E-06	1.01E-05	6.93E-07
9668	470350.66	3820675.17	3.56E-05	1.49E-04	1.35E-05	2.96E-05	1.10E-04	9.66E-06	3.36E-06	1.92E-05	2.29E-06	3.05E-06	1.01E-05	6.94E-07
9669	470341.77	3820678.72	3.57E-05	1.50E-04	1.35E-05	2.97E-05	1.10E-04	9.68E-06	3.37E-06	1.93E-05	2.30E-06	3.06E-06	1.01E-05	6.96E-07
9670	470332.87	3820682.28	3.57E-05	1.50E-04	1.35E-05	2.98E-05	1.10E-04	9.70E-06	3.37E-06	1.93E-05	2.31E-06	3.07E-06	1.01E-05	6.97E-07
9671	470323.98	3820685.83	3.58E-05	1.50E-04	1.36E-05	2.98E-05	1.11E-04	9.73E-06	3.38E-06	1.94E-05	2.31E-06	3.08E-06	1.01E-05	6.99E-07
9672	470315.08	3820689.38	3.59E-05	1.51E-04	1.36E-05	2.99E-05	1.11E-04	9.75E-06	3.39E-06	1.94E-05	2.32E-06	3.08E-06	1.02E-05	7.01E-07
9673	470306.19	3820692.94	3.60E-05	1.51E-04	1.36E-05	3.00E-05	1.11E-04	9.78E-06	3.40E-06	1.95E-05	2.32E-06	3.09E-06	1.02E-05	7.03E-07
9674	470297.29	3820696.49	3.61E-05	1.52E-04	1.37E-05	3.01E-05	1.12E-04	9.81E-06	3.41E-06	1.95E-05	2.33E-06	3.10E-06	1.02E-05	7.05E-07
9675	470288.4	3820700.05	3.62E-05	1.52E-04	1.37E-05	3.02E-05	1.12E-04	9.84E-06	3.42E-06	1.96E-05	2.34E-06	3.11E-06	1.03E-05	7.07E-07
9676	470279.5	3820703.6	3.64E-05	1.53E-04	1.38E-05	3.03E-05	1.12E-04	9.87E-06	3.43E-06	1.97E-05	2.35E-06	3.12E-06	1.03E-05	7.10E-07
9677	470270.61	3820707.15	3.65E-05	1.53E-04	1.38E-05	3.04E-05	1.13E-04	9.90E-06	3.45E-06	1.97E-05	2.35E-06	3.13E-06	1.03E-05	7.12E-07
9678	471539.2	3819461.63	1.89E-05	7.95E-05	7.16E-06	1.58E-05	5.84E-05	5.14E-06	1.79E-06	1.02E-05	1.22E-06	1.62E-06	5.36E-06	3.69E-07
9679	471539.29	3819451.99	1.89E-05	7.93E-05	7.14E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9680	471539.37	3819442.34	1.88E-05	7.90E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.62E-06	5.33E-06	3.67E-07
9681	471539.45	3819432.69	1.88E-05	7.88E-05	7.10E-06	1.56E-05	5.79E-05	5.09E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
9682	471539.53	3819423.04	1.87E-05	7.85E-05	7.07E-06	1.56E-05	5.77E-05	5.07E-06	1.77E-06	1.01E-05	1.21E-06	1.60E-06	5.29E-06	3.65E-07
9683	471539.62	3819413.39	1.86E-05	7.82E-05	7.04E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.27E-06	3.63E-07
9684	471539.7	3819403.74	1.85E-05	7.79E-05	7.01E-06	1.54E-05	5.72E-05	5.03E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.25E-06	3.62E-07
9685	471539.78	3819394.1	1.85E-05	7.75E-05	6.98E-06	1.54E-05	5.70E-05	5.01E-06	1.74E-06	9.98E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
9686	471539.87	3819384.45	1.84E-05	7.72E-05	6.95E-06	1.53E-05	5.67E-05	4.99E-06	1.73E-06	9.93E-06	1.18E-06	1.58E-06	5.20E-06	3.58E-07
9687	471539.95	3819374.8	1.83E-05	7.67E-05	6.91E-06	1.52E-05	5.64E-05	4.96E-06	1.73E-06	9.88E-06	1.18E-06	1.57E-06	5.17E-06	3.57E-07
9688	471540.03	3819365.15	1.82E-05	7.63E-05	6.87E-06	1.51E-05	5.61E-05	4.93E-06	1.72E-06	9.82E-06	1.17E-06	1.56E-06	5.14E-06	3.55E-07
9689	471540.11	3819355.5	1.81E-05	7.58E-05	6.83E-06	1.50E-05	5.57E-05	4.90E-06	1.71E-06	9.76E-06	1.16E-06	1.55E-06	5.11E-06	3.52E-07
9690	471540.2	3819345.86	1.79E-05	7.54E-05	6.79E-06	1.49E-05	5.54E-05	4.87E-06	1.69E-06	9.70E-06	1.16E-06	1.54E-06	5.08E-06	3.50E-07
9691	471540.28	3819336.21	1.78E-05	7.48E-05	6.74E-06	1.48E-05	5.50E-05	4.84E-06	1.68E-06	9.64E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
9692	471540.36	3819326.56	1.77E-05	7.43E-05	6.69E-06	1.47E-05	5.46E-05	4.80E-06	1.67E-06	9.56E-06	1.14E-06	1.52E-06	5.01E-06	3.45E-07
9693	471540.44	3819316.91	1.76E-05	7.37E-05	6.64E-06	1.46E-05	5.42E-05	4.77E-06	1.66E-06	9.49E-06	1.13E-06	1.51E-06	4.97E-06	3.43E-07
9694	471540.53	3819307.26	1.74E-05	7.32E-05	6.59E-06	1.45E-05	5.38E-05	4.73E-06	1.64E-06	9.42E-06	1.12E-06	1.50E-06	4.93E-06	3.40E-07
9695	471540.61	3819297.61	1.73E-05	7.25E-05	6.53E-06	1.44E-05	5.33E-05	4.69E-06	1.63E-06	9.34E-06	1.11E-06	1.48E-06	4.89E-06	3.37E-07
9696	471540.69	3819287.97	1.71E-05	7.19E-05	6.47E-06	1.43E-05	5.28E-05	4.65E-06	1.62E-06	9.25E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
9697	471540.78	3819278.32	1.70E-05	7.12E-05	6.41E-06	1.41E-05	5.23E-05	4.60E-06	1.60E-06	9.17E-06	1.09E-06	1.46E-06	4.80E-06	3.31E-07
9698	471540.86	3819268.67	1.68E-05	7.05E-05	6.35E-06	1.40E-05	5.18E-05	4.56E-06	1.59E-06	9.08E-06	1.08E-06	1.44E-06	4.76E-06	3.28E-07

9699	471540.94	3819259.02	1.66E-05	6.98E-05	6.29E-06	1.39E-05	5.13E-05	4.51E-06	1.57E-06	8.99E-06	1.07E-06	1.43E-06	4.71E-06	3.24E-07
9700	471615.43	3819471.17	1.69E-05	7.11E-05	6.40E-06	1.41E-05	5.22E-05	4.59E-06	1.60E-06	9.15E-06	1.09E-06	1.45E-06	4.79E-06	3.30E-07
9701	471611.67	3819480.01	1.70E-05	7.16E-05	6.45E-06	1.42E-05	5.26E-05	4.63E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.33E-07
9702	471607.9	3819488.86	1.72E-05	7.21E-05	6.49E-06	1.43E-05	5.30E-05	4.66E-06	1.62E-06	9.28E-06	1.11E-06	1.47E-06	4.86E-06	3.35E-07
9703	471604.13	3819497.71	1.73E-05	7.26E-05	6.54E-06	1.44E-05	5.33E-05	4.69E-06	1.63E-06	9.34E-06	1.11E-06	1.48E-06	4.89E-06	3.37E-07
9704	471600.36	3819506.55	1.74E-05	7.31E-05	6.58E-06	1.45E-05	5.37E-05	4.72E-06	1.64E-06	9.41E-06	1.12E-06	1.49E-06	4.93E-06	3.40E-07
9705	471596.59	3819515.4	1.75E-05	7.36E-05	6.62E-06	1.46E-05	5.40E-05	4.75E-06	1.65E-06	9.47E-06	1.13E-06	1.50E-06	4.96E-06	3.42E-07
9706	471592.83	3819524.25	1.76E-05	7.40E-05	6.67E-06	1.47E-05	5.44E-05	4.79E-06	1.66E-06	9.53E-06	1.14E-06	1.51E-06	4.99E-06	3.44E-07
9707	471589.06	3819533.1	1.77E-05	7.45E-05	6.71E-06	1.48E-05	5.47E-05	4.82E-06	1.68E-06	9.59E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
9708	471577.76	3819559.64	1.81E-05	7.59E-05	6.83E-06	1.50E-05	5.58E-05	4.90E-06	1.71E-06	9.77E-06	1.17E-06	1.55E-06	5.11E-06	3.53E-07
9709	471573.99	3819568.48	1.82E-05	7.63E-05	6.87E-06	1.51E-05	5.61E-05	4.93E-06	1.72E-06	9.83E-06	1.17E-06	1.56E-06	5.14E-06	3.55E-07
9710	471570.22	3819577.33	1.83E-05	7.68E-05	6.91E-06	1.52E-05	5.64E-05	4.96E-06	1.73E-06	9.88E-06	1.18E-06	1.57E-06	5.17E-06	3.57E-07
9711	471566.45	3819586.18	1.84E-05	7.72E-05	6.95E-06	1.53E-05	5.67E-05	4.99E-06	1.74E-06	9.94E-06	1.19E-06	1.58E-06	5.20E-06	3.59E-07
9712	471562.69	3819595.02	1.85E-05	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.02E-06	1.75E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.61E-07
9713	471558.92	3819603.87	1.86E-05	7.81E-05	7.03E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.26E-06	3.63E-07
9714	471555.15	3819612.72	1.87E-05	7.85E-05	7.07E-06	1.56E-05	5.77E-05	5.07E-06	1.76E-06	1.01E-05	1.21E-06	1.60E-06	5.29E-06	3.65E-07
9715	471551.38	3819621.57	1.88E-05	7.89E-05	7.11E-06	1.57E-05	5.80E-05	5.10E-06	1.77E-06	1.02E-05	1.21E-06	1.61E-06	5.32E-06	3.67E-07
9716	471547.61	3819630.41	1.89E-05	7.93E-05	7.14E-06	1.57E-05	5.83E-05	5.13E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.35E-06	3.69E-07
9717	471543.85	3819639.26	1.90E-05	7.97E-05	7.18E-06	1.58E-05	5.86E-05	5.15E-06	1.79E-06	1.03E-05	1.22E-06	1.63E-06	5.37E-06	3.70E-07
9718	471540.08	3819648.11	1.91E-05	8.01E-05	7.22E-06	1.59E-05	5.89E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
9719	471536.31	3819656.95	1.92E-05	8.05E-05	7.25E-06	1.60E-05	5.92E-05	5.21E-06	1.81E-06	1.04E-05	1.24E-06	1.65E-06	5.43E-06	3.74E-07
9720	471532.54	3819665.8	1.93E-05	8.10E-05	7.29E-06	1.61E-05	5.95E-05	5.23E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.46E-06	3.76E-07
9721	471528.78	3819674.65	1.94E-05	8.14E-05	7.33E-06	1.61E-05	5.98E-05	5.26E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.48E-06	3.78E-07
9722	471525.01	3819683.49	1.95E-05	8.17E-05	7.36E-06	1.62E-05	6.01E-05	5.28E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.51E-06	3.80E-07
9723	471521.24	3819692.34	1.96E-05	8.21E-05	7.40E-06	1.63E-05	6.03E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.54E-06	3.82E-07
9724	471517.47	3819701.19	1.96E-05	8.25E-05	7.43E-06	1.64E-05	6.06E-05	5.33E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.83E-07
9725	471513.7	3819710.04	1.97E-05	8.29E-05	7.46E-06	1.64E-05	6.09E-05	5.36E-06	1.86E-06	1.07E-05	1.27E-06	1.69E-06	5.59E-06	3.85E-07
9726	471509.94	3819718.88	1.98E-05	8.33E-05	7.50E-06	1.65E-05	6.12E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.61E-06	3.87E-07
9727	471494.87	3819754.27	2.02E-05	8.46E-05	7.62E-06	1.68E-05	6.22E-05	5.47E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.70E-06	3.93E-07
9728	471491.1	3819763.12	2.02E-05	8.50E-05	7.65E-06	1.68E-05	6.24E-05	5.49E-06	1.91E-06	1.09E-05	1.30E-06	1.74E-06	5.73E-06	3.95E-07
9729	471487.33	3819771.96	2.03E-05	8.53E-05	7.68E-06	1.69E-05	6.26E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.75E-06	3.96E-07
9730	471483.56	3819780.81	2.04E-05	8.56E-05	7.70E-06	1.70E-05	6.29E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.77E-06	3.98E-07
9731	471479.8	3819789.66	2.04E-05	8.58E-05	7.73E-06	1.70E-05	6.31E-05	5.55E-06	1.93E-06	1.10E-05	1.32E-06	1.75E-06	5.79E-06	3.99E-07
9732	471476.03	3819798.51	2.05E-05	8.61E-05	7.75E-06	1.71E-05	6.33E-05	5.57E-06	1.94E-06	1.11E-05	1.32E-06	1.76E-06	5.80E-06	4.00E-07
9733	471472.26	3819807.35	2.06E-05	8.63E-05	7.78E-06	1.71E-05	6.34E-05	5.58E-06	1.94E-06	1.11E-05	1.33E-06	1.77E-06	5.82E-06	4.01E-07
9734	471468.49	3819816.2	2.06E-05	8.66E-05	7.80E-06	1.72E-05	6.36E-05	5.60E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.84E-06	4.02E-07
9735	471464.72	3819825.05	2.07E-05	8.68E-05	7.82E-06	1.72E-05	6.38E-05	5.61E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.85E-06	4.03E-07
9736	471460.96	3819833.89	2.07E-05	8.70E-05	7.83E-06	1.73E-05	6.39E-05	5.62E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.86E-06	4.04E-07
9737	471457.19	3819842.74	2.08E-05	8.72E-05	7.85E-06	1.73E-05	6.41E-05	5.63E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.88E-06	4.05E-07
9738	471453.42	3819851.59	2.08E-05	8.73E-05	7.86E-06	1.73E-05	6.42E-05	5.65E-06	1.96E-06	1.12E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
9739	471449.65	3819860.44	2.08E-05	8.75E-05	7.88E-06	1.74E-05	6.43E-05	5.65E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.90E-06	4.06E-07
9740	471445.89	3819869.28	2.09E-05	8.76E-05	7.89E-06	1.74E-05	6.44E-05	5.66E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.07E-07

9741	471442.12	3819878.13	2.09E-05	8.77E-05	7.90E-06	1.74E-05	6.45E-05	5.67E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.08E-07
9742	471438.35	3819886.98	2.09E-05	8.78E-05	7.91E-06	1.74E-05	6.45E-05	5.68E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.92E-06	4.08E-07
9743	471434.58	3819895.82	2.09E-05	8.79E-05	7.91E-06	1.74E-05	6.46E-05	5.68E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.92E-06	4.08E-07
9744	471430.82	3819904.67	2.09E-05	8.79E-05	7.92E-06	1.74E-05	6.46E-05	5.68E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
9745	471427.05	3819913.52	2.09E-05	8.80E-05	7.92E-06	1.74E-05	6.46E-05	5.69E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
9746	471423.28	3819922.36	2.10E-05	8.80E-05	7.92E-06	1.75E-05	6.46E-05	5.69E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
9747	471419.51	3819931.21	2.10E-05	8.80E-05	7.92E-06	1.75E-05	6.46E-05	5.69E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
9748	471415.74	3819940.06	2.09E-05	8.80E-05	7.92E-06	1.74E-05	6.46E-05	5.69E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
9749	471411.98	3819948.91	2.09E-05	8.79E-05	7.92E-06	1.74E-05	6.46E-05	5.68E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.93E-06	4.09E-07
9750	471408.21	3819957.75	2.09E-05	8.79E-05	7.91E-06	1.74E-05	6.46E-05	5.68E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.92E-06	4.08E-07
9751	471404.44	3819966.6	2.09E-05	8.78E-05	7.91E-06	1.74E-05	6.45E-05	5.68E-06	1.97E-06	1.13E-05	1.35E-06	1.80E-06	5.92E-06	4.08E-07
9752	471400.67	3819975.45	2.09E-05	8.77E-05	7.90E-06	1.74E-05	6.45E-05	5.67E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.08E-07
9753	471396.91	3819984.29	2.09E-05	8.77E-05	7.89E-06	1.74E-05	6.44E-05	5.67E-06	1.97E-06	1.13E-05	1.35E-06	1.79E-06	5.91E-06	4.07E-07
9754	471393.14	3819993.14	2.08E-05	8.76E-05	7.88E-06	1.74E-05	6.43E-05	5.66E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.90E-06	4.07E-07
9755	471389.37	3820001.99	2.08E-05	8.75E-05	7.88E-06	1.73E-05	6.43E-05	5.65E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
9756	471385.6	3820010.83	2.08E-05	8.73E-05	7.86E-06	1.73E-05	6.42E-05	5.65E-06	1.96E-06	1.12E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
9757	471381.84	3820019.68	2.08E-05	8.72E-05	7.85E-06	1.73E-05	6.41E-05	5.64E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.88E-06	4.05E-07
9758	471378.07	3820028.53	2.07E-05	8.71E-05	7.84E-06	1.73E-05	6.40E-05	5.63E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.87E-06	4.05E-07
9759	471374.3	3820037.38	2.07E-05	8.70E-05	7.83E-06	1.72E-05	6.39E-05	5.62E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.86E-06	4.04E-07
9760	471370.53	3820046.22	2.07E-05	8.68E-05	7.82E-06	1.72E-05	6.38E-05	5.61E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.85E-06	4.03E-07
9761	471366.76	3820055.07	2.06E-05	8.67E-05	7.80E-06	1.72E-05	6.37E-05	5.60E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.84E-06	4.03E-07
9762	471363	3820063.92	2.06E-05	8.65E-05	7.79E-06	1.72E-05	6.36E-05	5.59E-06	1.95E-06	1.11E-05	1.33E-06	1.77E-06	5.83E-06	4.02E-07
9763	471359.23	3820072.76	2.06E-05	8.64E-05	7.78E-06	1.71E-05	6.35E-05	5.58E-06	1.94E-06	1.11E-05	1.33E-06	1.77E-06	5.82E-06	4.01E-07
9764	471355.46	3820081.61	2.05E-05	8.62E-05	7.76E-06	1.71E-05	6.33E-05	5.57E-06	1.94E-06	1.11E-05	1.32E-06	1.76E-06	5.81E-06	4.01E-07
9765	471351.69	3820090.46	2.05E-05	8.61E-05	7.75E-06	1.71E-05	6.32E-05	5.56E-06	1.94E-06	1.11E-05	1.32E-06	1.76E-06	5.80E-06	4.00E-07
9766	471347.93	3820099.3	2.05E-05	8.59E-05	7.74E-06	1.70E-05	6.31E-05	5.55E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.79E-06	3.99E-07
9767	471344.16	3820108.15	2.04E-05	8.58E-05	7.72E-06	1.70E-05	6.30E-05	5.54E-06	1.93E-06	1.10E-05	1.32E-06	1.75E-06	5.78E-06	3.98E-07
9768	471340.39	3820117	2.04E-05	8.56E-05	7.71E-06	1.70E-05	6.29E-05	5.53E-06	1.93E-06	1.10E-05	1.31E-06	1.75E-06	5.77E-06	3.98E-07
9769	471336.62	3820125.85	2.04E-05	8.55E-05	7.70E-06	1.70E-05	6.28E-05	5.53E-06	1.92E-06	1.10E-05	1.31E-06	1.75E-06	5.76E-06	3.97E-07
9770	471332.86	3820134.69	2.03E-05	8.53E-05	7.68E-06	1.69E-05	6.27E-05	5.51E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.75E-06	3.96E-07
9771	471329.09	3820143.54	2.03E-05	8.52E-05	7.67E-06	1.69E-05	6.26E-05	5.50E-06	1.91E-06	1.10E-05	1.31E-06	1.74E-06	5.74E-06	3.96E-07
9772	471325.32	3820152.39	2.02E-05	8.50E-05	7.65E-06	1.69E-05	6.25E-05	5.49E-06	1.91E-06	1.09E-05	1.31E-06	1.74E-06	5.73E-06	3.95E-07
9773	471321.55	3820161.23	2.02E-05	8.48E-05	7.64E-06	1.68E-05	6.23E-05	5.48E-06	1.91E-06	1.09E-05	1.30E-06	1.73E-06	5.72E-06	3.94E-07
9774	471317.78	3820170.08	2.02E-05	8.47E-05	7.63E-06	1.68E-05	6.22E-05	5.48E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.71E-06	3.94E-07
9775	471314.02	3820178.93	2.01E-05	8.46E-05	7.62E-06	1.68E-05	6.21E-05	5.47E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.70E-06	3.93E-07
9776	471310.25	3820187.77	2.01E-05	8.44E-05	7.60E-06	1.67E-05	6.20E-05	5.46E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.69E-06	3.92E-07
9777	471306.48	3820196.62	2.01E-05	8.43E-05	7.59E-06	1.67E-05	6.19E-05	5.45E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.68E-06	3.92E-07
9778	471302.71	3820205.47	2.00E-05	8.41E-05	7.58E-06	1.67E-05	6.18E-05	5.44E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.67E-06	3.91E-07
9779	471298.95	3820214.32	2.00E-05	8.40E-05	7.56E-06	1.67E-05	6.17E-05	5.43E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.66E-06	3.90E-07
9780	471295.18	3820223.16	2.00E-05	8.38E-05	7.55E-06	1.66E-05	6.16E-05	5.42E-06	1.89E-06	1.08E-05	1.29E-06	1.71E-06	5.65E-06	3.90E-07
9781	471291.41	3820232.01	1.99E-05	8.37E-05	7.54E-06	1.66E-05	6.15E-05	5.41E-06	1.88E-06	1.08E-05	1.29E-06	1.71E-06	5.64E-06	3.89E-07
9782	471287.64	3820240.86	1.99E-05	8.35E-05	7.52E-06	1.66E-05	6.14E-05	5.40E-06	1.88E-06	1.08E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07

9783	471283.87	3820249.7	1.98E-05	8.34E-05	7.51E-06	1.65E-05	6.12E-05	5.39E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.62E-06	3.87E-07
9784	471280.11	3820258.55	1.98E-05	8.32E-05	7.49E-06	1.65E-05	6.11E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.61E-06	3.86E-07
9785	471276.34	3820267.4	1.98E-05	8.30E-05	7.47E-06	1.65E-05	6.10E-05	5.36E-06	1.87E-06	1.07E-05	1.27E-06	1.70E-06	5.59E-06	3.86E-07
9786	471272.57	3820276.24	1.97E-05	8.28E-05	7.46E-06	1.64E-05	6.08E-05	5.35E-06	1.86E-06	1.07E-05	1.27E-06	1.69E-06	5.58E-06	3.85E-07
9787	471268.8	3820285.09	1.97E-05	8.26E-05	7.44E-06	1.64E-05	6.07E-05	5.34E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.57E-06	3.84E-07
9788	471265.04	3820293.94	1.96E-05	8.24E-05	7.42E-06	1.64E-05	6.06E-05	5.33E-06	1.85E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.83E-07
9789	471261.27	3820302.79	1.96E-05	8.22E-05	7.41E-06	1.63E-05	6.04E-05	5.32E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.54E-06	3.82E-07
9790	471257.5	3820311.63	1.95E-05	8.20E-05	7.39E-06	1.63E-05	6.03E-05	5.30E-06	1.84E-06	1.06E-05	1.26E-06	1.68E-06	5.53E-06	3.81E-07
9791	471253.73	3820320.48	1.95E-05	8.18E-05	7.37E-06	1.62E-05	6.01E-05	5.29E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.52E-06	3.80E-07
9792	471249.97	3820329.33	1.94E-05	8.16E-05	7.35E-06	1.62E-05	6.00E-05	5.28E-06	1.84E-06	1.05E-05	1.25E-06	1.67E-06	5.50E-06	3.79E-07
9793	471246.2	3820338.17	1.94E-05	8.14E-05	7.33E-06	1.61E-05	5.98E-05	5.26E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.49E-06	3.78E-07
9794	471242.43	3820347.02	1.93E-05	8.12E-05	7.31E-06	1.61E-05	5.96E-05	5.25E-06	1.82E-06	1.04E-05	1.25E-06	1.66E-06	5.47E-06	3.77E-07
9795	471238.66	3820355.87	1.93E-05	8.09E-05	7.29E-06	1.60E-05	5.95E-05	5.23E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.45E-06	3.76E-07
9796	471234.89	3820364.72	1.92E-05	8.07E-05	7.26E-06	1.60E-05	5.93E-05	5.21E-06	1.81E-06	1.04E-05	1.24E-06	1.65E-06	5.44E-06	3.75E-07
9797	471231.13	3820373.56	1.91E-05	8.04E-05	7.24E-06	1.59E-05	5.91E-05	5.20E-06	1.81E-06	1.04E-05	1.23E-06	1.64E-06	5.42E-06	3.74E-07
9798	471227.36	3820382.41	1.91E-05	8.01E-05	7.22E-06	1.59E-05	5.89E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
9799	471223.59	3820391.26	1.90E-05	7.99E-05	7.19E-06	1.58E-05	5.87E-05	5.16E-06	1.80E-06	1.03E-05	1.23E-06	1.63E-06	5.38E-06	3.71E-07
9800	471219.82	3820400.1	1.89E-05	7.96E-05	7.17E-06	1.58E-05	5.85E-05	5.14E-06	1.79E-06	1.02E-05	1.22E-06	1.63E-06	5.36E-06	3.70E-07
9801	471207.13	3820412.52	1.90E-05	7.97E-05	7.18E-06	1.58E-05	5.86E-05	5.15E-06	1.79E-06	1.03E-05	1.22E-06	1.63E-06	5.37E-06	3.70E-07
9802	471198.2	3820416.09	1.91E-05	8.01E-05	7.22E-06	1.59E-05	5.89E-05	5.18E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.40E-06	3.72E-07
9803	471189.27	3820419.65	1.92E-05	8.05E-05	7.25E-06	1.60E-05	5.92E-05	5.21E-06	1.81E-06	1.04E-05	1.24E-06	1.65E-06	5.43E-06	3.74E-07
9804	471180.34	3820423.22	1.93E-05	8.10E-05	7.29E-06	1.61E-05	5.95E-05	5.23E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.46E-06	3.76E-07
9805	471171.41	3820426.79	1.94E-05	8.14E-05	7.33E-06	1.61E-05	5.98E-05	5.26E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.48E-06	3.78E-07
9806	471162.48	3820430.36	1.95E-05	8.17E-05	7.36E-06	1.62E-05	6.01E-05	5.28E-06	1.84E-06	1.05E-05	1.26E-06	1.67E-06	5.51E-06	3.80E-07
9807	471153.55	3820433.92	1.96E-05	8.21E-05	7.40E-06	1.63E-05	6.03E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.54E-06	3.82E-07
9808	471144.62	3820437.49	1.96E-05	8.25E-05	7.43E-06	1.64E-05	6.06E-05	5.33E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.83E-07
9809	471135.69	3820441.06	1.97E-05	8.29E-05	7.46E-06	1.64E-05	6.09E-05	5.36E-06	1.86E-06	1.07E-05	1.27E-06	1.69E-06	5.59E-06	3.85E-07
9810	471126.76	3820444.63	1.98E-05	8.33E-05	7.50E-06	1.65E-05	6.12E-05	5.38E-06	1.87E-06	1.07E-05	1.28E-06	1.70E-06	5.61E-06	3.87E-07
9811	471117.83	3820448.2	1.99E-05	8.36E-05	7.53E-06	1.66E-05	6.14E-05	5.41E-06	1.88E-06	1.08E-05	1.28E-06	1.71E-06	5.64E-06	3.89E-07
9812	471108.9	3820451.76	2.00E-05	8.40E-05	7.56E-06	1.67E-05	6.17E-05	5.43E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.66E-06	3.90E-07
9813	471099.97	3820455.33	2.01E-05	8.43E-05	7.59E-06	1.67E-05	6.20E-05	5.45E-06	1.90E-06	1.09E-05	1.30E-06	1.72E-06	5.68E-06	3.92E-07
9814	471091.04	3820458.9	2.02E-05	8.47E-05	7.62E-06	1.68E-05	6.22E-05	5.47E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.71E-06	3.93E-07
9815	471082.11	3820462.47	2.02E-05	8.50E-05	7.66E-06	1.69E-05	6.25E-05	5.50E-06	1.91E-06	1.09E-05	1.31E-06	1.74E-06	5.73E-06	3.95E-07
9816	471073.18	3820466.03	2.03E-05	8.53E-05	7.68E-06	1.69E-05	6.27E-05	5.52E-06	1.92E-06	1.10E-05	1.31E-06	1.74E-06	5.75E-06	3.96E-07
9817	471064.25	3820469.6	2.04E-05	8.57E-05	7.72E-06	1.70E-05	6.30E-05	5.54E-06	1.93E-06	1.10E-05	1.32E-06	1.75E-06	5.77E-06	3.98E-07
9818	471055.32	3820473.17	2.05E-05	8.60E-05	7.75E-06	1.71E-05	6.32E-05	5.56E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.80E-06	4.00E-07
9819	471046.4	3820476.74	2.06E-05	8.64E-05	7.78E-06	1.71E-05	6.35E-05	5.58E-06	1.94E-06	1.11E-05	1.33E-06	1.77E-06	5.82E-06	4.01E-07
9820	471037.47	3820480.31	2.07E-05	8.67E-05	7.81E-06	1.72E-05	6.37E-05	5.61E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.85E-06	4.03E-07
9821	471028.54	3820483.87	2.07E-05	8.71E-05	7.84E-06	1.73E-05	6.40E-05	5.63E-06	1.96E-06	1.12E-05	1.34E-06	1.78E-06	5.87E-06	4.05E-07
9822	471019.61	3820487.44	2.08E-05	8.75E-05	7.88E-06	1.73E-05	6.43E-05	5.65E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
9823	471010.68	3820491.01	2.09E-05	8.79E-05	7.91E-06	1.74E-05	6.46E-05	5.68E-06	1.98E-06	1.13E-05	1.35E-06	1.80E-06	5.92E-06	4.08E-07
9824	470974.96	3820505.28	2.13E-05	8.96E-05	8.07E-06	1.78E-05	6.58E-05	5.79E-06	2.01E-06	1.15E-05	1.38E-06	1.83E-06	6.04E-06	4.16E-07

9825	470966.03	3820508.85	2.14E-05	9.00E-05	8.11E-06	1.79E-05	6.61E-05	5.82E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.07E-06	4.18E-07
9826	470957.1	3820512.42	2.16E-05	9.05E-05	8.15E-06	1.80E-05	6.65E-05	5.85E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.10E-06	4.21E-07
9827	470948.17	3820515.98	2.17E-05	9.10E-05	8.20E-06	1.81E-05	6.69E-05	5.88E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.14E-06	4.23E-07
9828	470939.24	3820519.55	2.18E-05	9.16E-05	8.25E-06	1.82E-05	6.73E-05	5.92E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.17E-06	4.25E-07
9829	470930.31	3820523.12	2.19E-05	9.21E-05	8.30E-06	1.83E-05	6.77E-05	5.96E-06	2.07E-06	1.19E-05	1.42E-06	1.88E-06	6.21E-06	4.28E-07
9830	470921.38	3820526.69	2.21E-05	9.27E-05	8.35E-06	1.84E-05	6.81E-05	5.99E-06	2.09E-06	1.19E-05	1.42E-06	1.90E-06	6.25E-06	4.31E-07
9831	470849.95	3820555.23	2.35E-05	9.85E-05	8.87E-06	1.95E-05	7.24E-05	6.37E-06	2.21E-06	1.27E-05	1.51E-06	2.01E-06	6.64E-06	4.58E-07
9832	470841.02	3820558.8	2.36E-05	9.93E-05	8.94E-06	1.97E-05	7.30E-05	6.42E-06	2.23E-06	1.28E-05	1.53E-06	2.03E-06	6.69E-06	4.61E-07
9833	470832.09	3820562.36	2.39E-05	1.00E-04	9.02E-06	1.99E-05	7.36E-05	6.48E-06	2.25E-06	1.29E-05	1.54E-06	2.05E-06	6.75E-06	4.66E-07
9834	470823.16	3820565.93	2.41E-05	1.01E-04	9.11E-06	2.01E-05	7.43E-05	6.54E-06	2.27E-06	1.30E-05	1.55E-06	2.07E-06	6.82E-06	4.70E-07
9835	470814.23	3820569.5	2.43E-05	1.02E-04	9.19E-06	2.02E-05	7.50E-05	6.60E-06	2.29E-06	1.31E-05	1.57E-06	2.09E-06	6.88E-06	4.74E-07
9836	470805.3	3820573.07	2.45E-05	1.03E-04	9.27E-06	2.04E-05	7.57E-05	6.66E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.94E-06	4.79E-07
9837	470796.37	3820576.63	2.48E-05	1.04E-04	9.36E-06	2.06E-05	7.64E-05	6.72E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.01E-06	4.83E-07
9838	470787.44	3820580.2	2.50E-05	1.05E-04	9.45E-06	2.08E-05	7.71E-05	6.78E-06	2.36E-06	1.35E-05	1.61E-06	2.15E-06	7.07E-06	4.88E-07
9839	470778.51	3820583.77	2.52E-05	1.06E-04	9.54E-06	2.10E-05	7.78E-05	6.85E-06	2.38E-06	1.36E-05	1.63E-06	2.17E-06	7.14E-06	4.92E-07
9840	470769.58	3820587.34	2.55E-05	1.07E-04	9.63E-06	2.12E-05	7.86E-05	6.91E-06	2.40E-06	1.38E-05	1.64E-06	2.19E-06	7.21E-06	4.97E-07
9841	470760.65	3820590.91	2.57E-05	1.08E-04	9.72E-06	2.14E-05	7.93E-05	6.98E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.27E-06	5.01E-07
9842	470751.72	3820594.47	2.59E-05	1.09E-04	9.81E-06	2.16E-05	8.00E-05	7.04E-06	2.45E-06	1.40E-05	1.67E-06	2.23E-06	7.34E-06	5.06E-07
9843	470742.79	3820598.04	2.62E-05	1.10E-04	9.90E-06	2.18E-05	8.07E-05	7.10E-06	2.47E-06	1.41E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
9844	470733.86	3820601.61	2.64E-05	1.11E-04	9.99E-06	2.20E-05	8.15E-05	7.17E-06	2.49E-06	1.43E-05	1.70E-06	2.27E-06	7.48E-06	5.15E-07
9845	470724.93	3820605.18	2.67E-05	1.12E-04	1.01E-05	2.22E-05	8.23E-05	7.24E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.55E-06	5.20E-07
9846	470716	3820608.74	2.69E-05	1.13E-04	1.02E-05	2.24E-05	8.31E-05	7.31E-06	2.54E-06	1.46E-05	1.74E-06	2.31E-06	7.62E-06	5.25E-07
9847	470707.07	3820612.31	2.72E-05	1.14E-04	1.03E-05	2.26E-05	8.39E-05	7.38E-06	2.57E-06	1.47E-05	1.75E-06	2.33E-06	7.69E-06	5.30E-07
9848	470698.14	3820615.88	2.74E-05	1.15E-04	1.04E-05	2.29E-05	8.47E-05	7.45E-06	2.59E-06	1.48E-05	1.77E-06	2.36E-06	7.77E-06	5.36E-07
9849	470689.21	3820619.45	2.77E-05	1.16E-04	1.05E-05	2.31E-05	8.55E-05	7.52E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.84E-06	5.41E-07
9850	470680.28	3820623.02	2.80E-05	1.17E-04	1.06E-05	2.33E-05	8.63E-05	7.59E-06	2.64E-06	1.51E-05	1.80E-06	2.40E-06	7.91E-06	5.45E-07
9851	470671.36	3820626.58	2.82E-05	1.18E-04	1.07E-05	2.35E-05	8.70E-05	7.65E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
9852	470662.43	3820630.15	2.84E-05	1.19E-04	1.07E-05	2.37E-05	8.77E-05	7.71E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.04E-06	5.55E-07
9853	470653.5	3820633.72	2.86E-05	1.20E-04	1.08E-05	2.39E-05	8.84E-05	7.78E-06	2.70E-06	1.55E-05	1.85E-06	2.46E-06	8.11E-06	5.59E-07
9854	470644.57	3820637.29	2.89E-05	1.21E-04	1.09E-05	2.40E-05	8.91E-05	7.83E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.17E-06	5.63E-07
9855	470635.64	3820640.85	2.91E-05	1.22E-04	1.10E-05	2.42E-05	8.97E-05	7.89E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.23E-06	5.67E-07
9856	470626.71	3820644.42	2.93E-05	1.23E-04	1.11E-05	2.44E-05	9.03E-05	7.95E-06	2.76E-06	1.58E-05	1.89E-06	2.51E-06	8.29E-06	5.71E-07
9857	470617.78	3820647.99	2.95E-05	1.24E-04	1.11E-05	2.46E-05	9.10E-05	8.00E-06	2.78E-06	1.59E-05	1.90E-06	2.53E-06	8.34E-06	5.75E-07
9858	470608.85	3820651.56	2.97E-05	1.25E-04	1.12E-05	2.47E-05	9.15E-05	8.05E-06	2.80E-06	1.60E-05	1.91E-06	2.55E-06	8.40E-06	5.79E-07
9859	470599.92	3820655.13	2.98E-05	1.25E-04	1.13E-05	2.49E-05	9.21E-05	8.10E-06	2.82E-06	1.61E-05	1.93E-06	2.56E-06	8.45E-06	5.82E-07
9860	470590.99	3820658.69	3.00E-05	1.26E-04	1.14E-05	2.50E-05	9.26E-05	8.15E-06	2.83E-06	1.62E-05	1.94E-06	2.58E-06	8.50E-06	5.86E-07
9861	470582.06	3820662.26	3.02E-05	1.27E-04	1.14E-05	2.51E-05	9.31E-05	8.19E-06	2.85E-06	1.63E-05	1.95E-06	2.59E-06	8.54E-06	5.89E-07
9862	470573.13	3820665.83	3.04E-05	1.27E-04	1.15E-05	2.53E-05	9.37E-05	8.24E-06	2.87E-06	1.64E-05	1.96E-06	2.61E-06	8.59E-06	5.92E-07
9863	470564.2	3820669.4	3.05E-05	1.28E-04	1.15E-05	2.54E-05	9.42E-05	8.28E-06	2.88E-06	1.65E-05	1.97E-06	2.62E-06	8.64E-06	5.96E-07
9864	470555.27	3820672.96	3.07E-05	1.29E-04	1.16E-05	2.56E-05	9.47E-05	8.33E-06	2.90E-06	1.66E-05	1.98E-06	2.63E-06	8.68E-06	5.99E-07
9865	470546.34	3820676.53	3.08E-05	1.29E-04	1.17E-05	2.57E-05	9.51E-05	8.37E-06	2.91E-06	1.67E-05	1.99E-06	2.65E-06	8.72E-06	6.01E-07
9866	470537.41	3820680.1	3.10E-05	1.30E-04	1.17E-05	2.58E-05	9.55E-05	8.40E-06	2.92E-06	1.67E-05	2.00E-06	2.66E-06	8.76E-06	6.04E-07

9867	470528.48	3820683.67	3.11E-05	1.30E-04	1.17E-05	2.59E-05	9.59E-05	8.43E-06	2.93E-06	1.68E-05	2.00E-06	2.67E-06	8.79E-06	6.06E-07
9868	470519.55	3820687.24	3.12E-05	1.31E-04	1.18E-05	2.59E-05	9.61E-05	8.46E-06	2.94E-06	1.68E-05	2.01E-06	2.67E-06	8.82E-06	6.08E-07
9869	470510.62	3820690.8	3.12E-05	1.31E-04	1.18E-05	2.60E-05	9.64E-05	8.48E-06	2.95E-06	1.69E-05	2.01E-06	2.68E-06	8.84E-06	6.09E-07
9870	470501.69	3820694.37	3.13E-05	1.31E-04	1.18E-05	2.61E-05	9.66E-05	8.50E-06	2.96E-06	1.69E-05	2.02E-06	2.69E-06	8.86E-06	6.11E-07
9871	470492.76	3820697.94	3.14E-05	1.32E-04	1.19E-05	2.61E-05	9.68E-05	8.51E-06	2.96E-06	1.70E-05	2.02E-06	2.69E-06	8.88E-06	6.12E-07
9872	470483.84	3820701.51	3.14E-05	1.32E-04	1.19E-05	2.62E-05	9.69E-05	8.52E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.89E-06	6.13E-07
9873	470474.91	3820705.07	3.14E-05	1.32E-04	1.19E-05	2.62E-05	9.70E-05	8.53E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.90E-06	6.13E-07
9874	470465.98	3820708.64	3.15E-05	1.32E-04	1.19E-05	2.62E-05	9.71E-05	8.54E-06	2.97E-06	1.70E-05	2.03E-06	2.70E-06	8.91E-06	6.14E-07
9875	470457.05	3820712.21	3.15E-05	1.32E-04	1.19E-05	2.63E-05	9.73E-05	8.56E-06	2.98E-06	1.70E-05	2.03E-06	2.71E-06	8.92E-06	6.15E-07
9876	470448.12	3820715.78	3.16E-05	1.33E-04	1.19E-05	2.63E-05	9.74E-05	8.57E-06	2.98E-06	1.71E-05	2.04E-06	2.71E-06	8.94E-06	6.16E-07
9877	470439.19	3820719.35	3.16E-05	1.33E-04	1.20E-05	2.63E-05	9.76E-05	8.58E-06	2.99E-06	1.71E-05	2.04E-06	2.71E-06	8.95E-06	6.17E-07
9878	470430.26	3820722.91	3.17E-05	1.33E-04	1.20E-05	2.64E-05	9.77E-05	8.60E-06	2.99E-06	1.71E-05	2.04E-06	2.72E-06	8.96E-06	6.18E-07
9879	470421.33	3820726.48	3.17E-05	1.33E-04	1.20E-05	2.64E-05	9.79E-05	8.61E-06	2.99E-06	1.71E-05	2.05E-06	2.72E-06	8.98E-06	6.19E-07
9880	470412.4	3820730.05	3.18E-05	1.33E-04	1.20E-05	2.65E-05	9.80E-05	8.62E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	8.99E-06	6.20E-07
9881	470403.47	3820733.62	3.18E-05	1.34E-04	1.20E-05	2.65E-05	9.81E-05	8.63E-06	3.00E-06	1.72E-05	2.05E-06	2.73E-06	9.00E-06	6.21E-07
9882	470394.54	3820737.18	3.19E-05	1.34E-04	1.20E-05	2.65E-05	9.83E-05	8.65E-06	3.01E-06	1.72E-05	2.05E-06	2.73E-06	9.02E-06	6.22E-07
9883	470385.61	3820740.75	3.19E-05	1.34E-04	1.21E-05	2.66E-05	9.84E-05	8.66E-06	3.01E-06	1.72E-05	2.06E-06	2.74E-06	9.03E-06	6.22E-07
9884	470376.68	3820744.32	3.20E-05	1.34E-04	1.21E-05	2.66E-05	9.86E-05	8.67E-06	3.02E-06	1.73E-05	2.06E-06	2.74E-06	9.04E-06	6.23E-07
9885	470367.75	3820747.89	3.20E-05	1.34E-04	1.21E-05	2.67E-05	9.88E-05	8.69E-06	3.02E-06	1.73E-05	2.07E-06	2.75E-06	9.07E-06	6.25E-07
9886	470358.82	3820751.45	3.21E-05	1.35E-04	1.21E-05	2.67E-05	9.90E-05	8.71E-06	3.03E-06	1.74E-05	2.07E-06	2.76E-06	9.09E-06	6.26E-07
9887	470349.89	3820755.02	3.22E-05	1.35E-04	1.22E-05	2.68E-05	9.93E-05	8.73E-06	3.04E-06	1.74E-05	2.08E-06	2.76E-06	9.11E-06	6.28E-07
9888	470340.96	3820758.59	3.23E-05	1.36E-04	1.22E-05	2.69E-05	9.96E-05	8.76E-06	3.05E-06	1.74E-05	2.08E-06	2.77E-06	9.13E-06	6.30E-07
9889	470332.03	3820762.16	3.24E-05	1.36E-04	1.22E-05	2.69E-05	9.98E-05	8.78E-06	3.05E-06	1.75E-05	2.09E-06	2.78E-06	9.16E-06	6.31E-07
9890	470323.1	3820765.73	3.24E-05	1.36E-04	1.23E-05	2.70E-05	1.00E-04	8.81E-06	3.06E-06	1.75E-05	2.09E-06	2.79E-06	9.18E-06	6.33E-07
9891	470314.17	3820769.29	3.25E-05	1.37E-04	1.23E-05	2.71E-05	1.00E-04	8.83E-06	3.07E-06	1.76E-05	2.10E-06	2.79E-06	9.21E-06	6.35E-07
9892	470305.24	3820772.86	3.26E-05	1.37E-04	1.23E-05	2.72E-05	1.01E-04	8.86E-06	3.08E-06	1.76E-05	2.10E-06	2.80E-06	9.24E-06	6.37E-07
9893	470296.32	3820776.43	3.27E-05	1.37E-04	1.24E-05	2.73E-05	1.01E-04	8.88E-06	3.09E-06	1.77E-05	2.11E-06	2.81E-06	9.26E-06	6.39E-07
9894	470287.39	3820780	3.28E-05	1.38E-04	1.24E-05	2.73E-05	1.01E-04	8.91E-06	3.10E-06	1.77E-05	2.12E-06	2.82E-06	9.29E-06	6.41E-07
9895	470278.46	3820783.56	3.29E-05	1.38E-04	1.25E-05	2.74E-05	1.02E-04	8.94E-06	3.11E-06	1.78E-05	2.12E-06	2.83E-06	9.32E-06	6.43E-07
9896	470269.53	3820787.13	3.31E-05	1.39E-04	1.25E-05	2.75E-05	1.02E-04	8.98E-06	3.12E-06	1.79E-05	2.13E-06	2.84E-06	9.36E-06	6.45E-07
9897	471619.2	3819462.32	1.68E-05	7.05E-05	6.35E-06	1.40E-05	5.18E-05	4.56E-06	1.59E-06	9.08E-06	1.08E-06	1.44E-06	4.75E-06	3.28E-07
9898	471619.28	3819452.67	1.68E-05	7.03E-05	6.33E-06	1.40E-05	5.17E-05	4.55E-06	1.58E-06	9.06E-06	1.08E-06	1.44E-06	4.74E-06	3.27E-07
9899	471619.37	3819443.02	1.67E-05	7.01E-05	6.32E-06	1.39E-05	5.15E-05	4.53E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
9900	471619.45	3819433.37	1.67E-05	6.99E-05	6.30E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.00E-06	1.07E-06	1.43E-06	4.71E-06	3.25E-07
9901	471619.53	3819423.73	1.66E-05	6.97E-05	6.28E-06	1.38E-05	5.12E-05	4.51E-06	1.57E-06	8.97E-06	1.07E-06	1.42E-06	4.70E-06	3.24E-07
9902	471619.61	3819414.08	1.65E-05	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.49E-06	1.56E-06	8.94E-06	1.07E-06	1.42E-06	4.68E-06	3.23E-07
9903	471619.7	3819404.43	1.65E-05	6.92E-05	6.23E-06	1.37E-05	5.08E-05	4.47E-06	1.56E-06	8.90E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
9904	471619.78	3819394.78	1.64E-05	6.89E-05	6.20E-06	1.37E-05	5.06E-05	4.45E-06	1.55E-06	8.87E-06	1.06E-06	1.41E-06	4.64E-06	3.20E-07
9905	471619.86	3819385.13	1.63E-05	6.85E-05	6.17E-06	1.36E-05	5.04E-05	4.43E-06	1.54E-06	8.82E-06	1.05E-06	1.40E-06	4.62E-06	3.18E-07
9906	471619.95	3819375.49	1.62E-05	6.82E-05	6.14E-06	1.35E-05	5.01E-05	4.41E-06	1.53E-06	8.78E-06	1.05E-06	1.39E-06	4.60E-06	3.17E-07
9907	471620.03	3819365.84	1.62E-05	6.78E-05	6.11E-06	1.35E-05	4.98E-05	4.39E-06	1.53E-06	8.73E-06	1.04E-06	1.39E-06	4.57E-06	3.15E-07
9908	471620.11	3819356.19	1.61E-05	6.75E-05	6.07E-06	1.34E-05	4.96E-05	4.36E-06	1.52E-06	8.68E-06	1.04E-06	1.38E-06	4.55E-06	3.13E-07

9909	471620.19	3819346.54	1.60E-05	6.71E-05	6.04E-06	1.33E-05	4.93E-05	4.33E-06	1.51E-06	8.63E-06	1.03E-06	1.37E-06	4.52E-06	3.12E-07
9910	471620.28	3819336.89	1.59E-05	6.66E-05	6.00E-06	1.32E-05	4.89E-05	4.31E-06	1.50E-06	8.57E-06	1.02E-06	1.36E-06	4.49E-06	3.09E-07
9911	471620.36	3819327.24	1.58E-05	6.61E-05	5.96E-06	1.31E-05	4.86E-05	4.28E-06	1.49E-06	8.51E-06	1.02E-06	1.35E-06	4.46E-06	3.07E-07
9912	471620.44	3819317.6	1.56E-05	6.57E-05	5.91E-06	1.30E-05	4.82E-05	4.24E-06	1.48E-06	8.45E-06	1.01E-06	1.34E-06	4.43E-06	3.05E-07
9913	471620.52	3819307.95	1.55E-05	6.52E-05	5.87E-06	1.29E-05	4.79E-05	4.21E-06	1.47E-06	8.39E-06	1.00E-06	1.33E-06	4.39E-06	3.03E-07
9914	471620.61	3819298.3	1.54E-05	6.46E-05	5.82E-06	1.28E-05	4.75E-05	4.18E-06	1.45E-06	8.32E-06	9.93E-07	1.32E-06	4.36E-06	3.00E-07
9915	471620.69	3819288.65	1.53E-05	6.41E-05	5.77E-06	1.27E-05	4.71E-05	4.14E-06	1.44E-06	8.25E-06	9.85E-07	1.31E-06	4.32E-06	2.98E-07
9916	471620.77	3819279	1.51E-05	6.36E-05	5.72E-06	1.26E-05	4.67E-05	4.11E-06	1.43E-06	8.18E-06	9.76E-07	1.30E-06	4.28E-06	2.95E-07
9917	471620.86	3819269.36	1.50E-05	6.30E-05	5.67E-06	1.25E-05	4.63E-05	4.07E-06	1.42E-06	8.11E-06	9.67E-07	1.29E-06	4.25E-06	2.93E-07
9918	471620.94	3819259.71	1.49E-05	6.24E-05	5.62E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.03E-06	9.58E-07	1.28E-06	4.20E-06	2.90E-07
9919	471695.45	3819471.8	1.51E-05	6.35E-05	5.72E-06	1.26E-05	4.66E-05	4.10E-06	1.43E-06	8.17E-06	9.75E-07	1.30E-06	4.28E-06	2.95E-07
9920	471691.7	3819480.6	1.52E-05	6.39E-05	5.75E-06	1.27E-05	4.70E-05	4.13E-06	1.44E-06	8.23E-06	9.81E-07	1.31E-06	4.31E-06	2.97E-07
9921	471687.96	3819489.4	1.53E-05	6.43E-05	5.79E-06	1.28E-05	4.73E-05	4.16E-06	1.45E-06	8.28E-06	9.88E-07	1.32E-06	4.34E-06	2.99E-07
9922	471684.21	3819498.2	1.54E-05	6.48E-05	5.83E-06	1.28E-05	4.76E-05	4.19E-06	1.46E-06	8.34E-06	9.95E-07	1.32E-06	4.37E-06	3.01E-07
9923	471680.46	3819507	1.55E-05	6.52E-05	5.87E-06	1.29E-05	4.79E-05	4.21E-06	1.47E-06	8.39E-06	1.00E-06	1.33E-06	4.39E-06	3.03E-07
9924	471676.71	3819515.8	1.56E-05	6.56E-05	5.91E-06	1.30E-05	4.82E-05	4.24E-06	1.48E-06	8.44E-06	1.01E-06	1.34E-06	4.42E-06	3.05E-07
9925	471672.97	3819524.6	1.57E-05	6.60E-05	5.94E-06	1.31E-05	4.85E-05	4.27E-06	1.48E-06	8.50E-06	1.01E-06	1.35E-06	4.45E-06	3.07E-07
9926	471669.22	3819533.4	1.58E-05	6.64E-05	5.98E-06	1.32E-05	4.88E-05	4.29E-06	1.49E-06	8.55E-06	1.02E-06	1.36E-06	4.48E-06	3.09E-07
9927	471665.47	3819542.2	1.59E-05	6.68E-05	6.02E-06	1.33E-05	4.91E-05	4.32E-06	1.50E-06	8.60E-06	1.03E-06	1.37E-06	4.50E-06	3.10E-07
9928	471661.72	3819551	1.60E-05	6.72E-05	6.05E-06	1.33E-05	4.94E-05	4.34E-06	1.51E-06	8.65E-06	1.03E-06	1.37E-06	4.53E-06	3.12E-07
9929	471657.98	3819559.8	1.61E-05	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.55E-06	3.14E-07
9930	471654.23	3819568.6	1.62E-05	6.79E-05	6.12E-06	1.35E-05	4.99E-05	4.39E-06	1.53E-06	8.75E-06	1.04E-06	1.39E-06	4.58E-06	3.16E-07
9931	471650.48	3819577.4	1.63E-05	6.83E-05	6.15E-06	1.36E-05	5.02E-05	4.42E-06	1.54E-06	8.80E-06	1.05E-06	1.40E-06	4.61E-06	3.17E-07
9932	471646.73	3819586.2	1.64E-05	6.87E-05	6.19E-06	1.36E-05	5.05E-05	4.44E-06	1.54E-06	8.84E-06	1.05E-06	1.40E-06	4.63E-06	3.19E-07
9933	471642.99	3819595	1.64E-05	6.91E-05	6.22E-06	1.37E-05	5.08E-05	4.46E-06	1.55E-06	8.89E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
9934	471635.49	3819612.6	1.66E-05	6.98E-05	6.29E-06	1.38E-05	5.13E-05	4.51E-06	1.57E-06	8.99E-06	1.07E-06	1.43E-06	4.70E-06	3.24E-07
9935	471631.74	3819621.4	1.67E-05	7.02E-05	6.32E-06	1.39E-05	5.16E-05	4.54E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
9936	471628	3819630.2	1.68E-05	7.05E-05	6.35E-06	1.40E-05	5.18E-05	4.56E-06	1.59E-06	9.08E-06	1.08E-06	1.44E-06	4.75E-06	3.28E-07
9937	471624.25	3819639	1.69E-05	7.09E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
9938	471620.5	3819647.8	1.70E-05	7.12E-05	6.41E-06	1.41E-05	5.23E-05	4.60E-06	1.60E-06	9.17E-06	1.09E-06	1.46E-06	4.80E-06	3.31E-07
9939	471616.75	3819656.59	1.70E-05	7.16E-05	6.45E-06	1.42E-05	5.26E-05	4.63E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.33E-07
9940	471613.01	3819665.39	1.71E-05	7.19E-05	6.48E-06	1.43E-05	5.28E-05	4.65E-06	1.62E-06	9.26E-06	1.10E-06	1.47E-06	4.85E-06	3.34E-07
9941	471609.26	3819674.19	1.72E-05	7.23E-05	6.51E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.30E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
9942	471605.51	3819682.99	1.73E-05	7.26E-05	6.54E-06	1.44E-05	5.34E-05	4.69E-06	1.63E-06	9.35E-06	1.12E-06	1.48E-06	4.89E-06	3.37E-07
9943	471601.76	3819691.79	1.74E-05	7.30E-05	6.57E-06	1.45E-05	5.36E-05	4.72E-06	1.64E-06	9.39E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
9944	471598.02	3819700.59	1.74E-05	7.33E-05	6.60E-06	1.45E-05	5.38E-05	4.74E-06	1.65E-06	9.43E-06	1.13E-06	1.50E-06	4.94E-06	3.40E-07
9945	471594.27	3819709.39	1.75E-05	7.36E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.66E-06	9.48E-06	1.13E-06	1.50E-06	4.96E-06	3.42E-07
9946	471590.52	3819718.19	1.76E-05	7.39E-05	6.66E-06	1.47E-05	5.43E-05	4.78E-06	1.66E-06	9.52E-06	1.14E-06	1.51E-06	4.98E-06	3.44E-07
9947	471586.77	3819726.99	1.77E-05	7.43E-05	6.69E-06	1.47E-05	5.46E-05	4.80E-06	1.67E-06	9.56E-06	1.14E-06	1.52E-06	5.01E-06	3.45E-07
9948	471583.03	3819735.79	1.78E-05	7.46E-05	6.72E-06	1.48E-05	5.48E-05	4.82E-06	1.68E-06	9.60E-06	1.15E-06	1.53E-06	5.03E-06	3.47E-07
9949	471579.28	3819744.59	1.78E-05	7.49E-05	6.75E-06	1.49E-05	5.50E-05	4.84E-06	1.68E-06	9.64E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
9950	471575.53	3819753.39	1.79E-05	7.52E-05	6.78E-06	1.49E-05	5.53E-05	4.86E-06	1.69E-06	9.68E-06	1.16E-06	1.54E-06	5.07E-06	3.50E-07

9951	471571.78	3819762.19	1.80E-05	7.55E-05	6.80E-06	1.50E-05	5.55E-05	4.88E-06	1.70E-06	9.72E-06	1.16E-06	1.54E-06	5.09E-06	3.51E-07
9952	471568.04	3819770.99	1.81E-05	7.58E-05	6.83E-06	1.50E-05	5.57E-05	4.90E-06	1.71E-06	9.76E-06	1.16E-06	1.55E-06	5.11E-06	3.52E-07
9953	471564.29	3819779.79	1.81E-05	7.61E-05	6.86E-06	1.51E-05	5.59E-05	4.92E-06	1.71E-06	9.80E-06	1.17E-06	1.56E-06	5.13E-06	3.54E-07
9954	471549.3	3819814.99	1.84E-05	7.72E-05	6.95E-06	1.53E-05	5.67E-05	4.99E-06	1.74E-06	9.94E-06	1.19E-06	1.58E-06	5.20E-06	3.59E-07
9955	471545.55	3819823.79	1.84E-05	7.74E-05	6.97E-06	1.54E-05	5.69E-05	5.01E-06	1.74E-06	9.97E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
9956	471541.8	3819832.59	1.85E-05	7.77E-05	6.99E-06	1.54E-05	5.71E-05	5.02E-06	1.75E-06	1.00E-05	1.19E-06	1.59E-06	5.23E-06	3.61E-07
9957	471538.06	3819841.38	1.85E-05	7.79E-05	7.01E-06	1.54E-05	5.72E-05	5.03E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.25E-06	3.62E-07
9958	471534.31	3819850.18	1.86E-05	7.81E-05	7.03E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.00E-05	1.20E-06	1.60E-06	5.26E-06	3.63E-07
9959	471530.56	3819858.98	1.86E-05	7.83E-05	7.05E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.28E-06	3.64E-07
9960	471526.81	3819867.78	1.87E-05	7.84E-05	7.06E-06	1.56E-05	5.76E-05	5.07E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.29E-06	3.64E-07
9961	471523.07	3819876.58	1.87E-05	7.86E-05	7.08E-06	1.56E-05	5.77E-05	5.08E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.30E-06	3.65E-07
9962	471519.32	3819885.38	1.87E-05	7.87E-05	7.09E-06	1.56E-05	5.78E-05	5.09E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
9963	471515.57	3819894.18	1.88E-05	7.88E-05	7.10E-06	1.56E-05	5.79E-05	5.10E-06	1.77E-06	1.02E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
9964	471511.82	3819902.98	1.88E-05	7.90E-05	7.11E-06	1.57E-05	5.80E-05	5.10E-06	1.78E-06	1.02E-05	1.21E-06	1.61E-06	5.32E-06	3.67E-07
9965	471508.08	3819911.78	1.88E-05	7.91E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.62E-06	5.33E-06	3.67E-07
9966	471504.33	3819920.58	1.88E-05	7.91E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.33E-06	3.68E-07
9967	471500.58	3819929.38	1.89E-05	7.92E-05	7.13E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9968	471496.83	3819938.18	1.89E-05	7.92E-05	7.14E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9969	471493.09	3819946.98	1.89E-05	7.93E-05	7.14E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9970	471489.34	3819955.78	1.89E-05	7.93E-05	7.14E-06	1.57E-05	5.83E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9971	471485.59	3819964.58	1.89E-05	7.93E-05	7.14E-06	1.57E-05	5.83E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9972	471481.84	3819973.38	1.89E-05	7.93E-05	7.14E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9973	471478.1	3819982.18	1.89E-05	7.92E-05	7.14E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9974	471474.35	3819990.98	1.89E-05	7.92E-05	7.13E-06	1.57E-05	5.82E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.34E-06	3.68E-07
9975	471470.6	3819999.78	1.88E-05	7.91E-05	7.13E-06	1.57E-05	5.81E-05	5.12E-06	1.78E-06	1.02E-05	1.22E-06	1.62E-06	5.33E-06	3.68E-07
9976	471466.85	3820008.58	1.88E-05	7.91E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.62E-06	5.33E-06	3.67E-07
9977	471463.11	3820017.38	1.88E-05	7.90E-05	7.12E-06	1.57E-05	5.81E-05	5.11E-06	1.78E-06	1.02E-05	1.21E-06	1.62E-06	5.33E-06	3.67E-07
9978	471459.36	3820026.17	1.88E-05	7.89E-05	7.11E-06	1.57E-05	5.80E-05	5.10E-06	1.77E-06	1.02E-05	1.21E-06	1.61E-06	5.32E-06	3.67E-07
9979	471455.61	3820034.97	1.88E-05	7.88E-05	7.10E-06	1.56E-05	5.79E-05	5.10E-06	1.77E-06	1.02E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
9980	471451.86	3820043.77	1.88E-05	7.87E-05	7.09E-06	1.56E-05	5.79E-05	5.09E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.31E-06	3.66E-07
9981	471448.12	3820052.57	1.87E-05	7.86E-05	7.08E-06	1.56E-05	5.78E-05	5.08E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.30E-06	3.65E-07
9982	471444.37	3820061.37	1.87E-05	7.85E-05	7.07E-06	1.56E-05	5.77E-05	5.08E-06	1.77E-06	1.01E-05	1.21E-06	1.61E-06	5.29E-06	3.65E-07
9983	471440.62	3820070.17	1.87E-05	7.84E-05	7.06E-06	1.56E-05	5.76E-05	5.07E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.29E-06	3.64E-07
9984	471436.87	3820078.97	1.87E-05	7.83E-05	7.05E-06	1.55E-05	5.76E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.28E-06	3.64E-07
9985	471433.13	3820087.77	1.86E-05	7.82E-05	7.04E-06	1.55E-05	5.75E-05	5.06E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.27E-06	3.63E-07
9986	471429.38	3820096.57	1.86E-05	7.81E-05	7.03E-06	1.55E-05	5.74E-05	5.05E-06	1.76E-06	1.01E-05	1.20E-06	1.60E-06	5.26E-06	3.63E-07
9987	471425.63	3820105.37	1.86E-05	7.80E-05	7.02E-06	1.55E-05	5.73E-05	5.04E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.25E-06	3.62E-07
9988	471421.88	3820114.17	1.85E-05	7.78E-05	7.01E-06	1.54E-05	5.72E-05	5.03E-06	1.75E-06	1.00E-05	1.20E-06	1.59E-06	5.25E-06	3.62E-07
9989	471418.14	3820122.97	1.85E-05	7.77E-05	7.00E-06	1.54E-05	5.71E-05	5.02E-06	1.75E-06	1.00E-05	1.19E-06	1.59E-06	5.24E-06	3.61E-07
9990	471414.39	3820131.77	1.85E-05	7.76E-05	6.99E-06	1.54E-05	5.70E-05	5.01E-06	1.74E-06	9.99E-06	1.19E-06	1.59E-06	5.23E-06	3.60E-07
9991	471410.64	3820140.57	1.84E-05	7.75E-05	6.98E-06	1.54E-05	5.69E-05	5.01E-06	1.74E-06	9.97E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
9992	471406.89	3820149.37	1.84E-05	7.73E-05	6.96E-06	1.53E-05	5.68E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.21E-06	3.59E-07

9993	471403.15	3820158.17	1.84E-05	7.72E-05	6.95E-06	1.53E-05	5.67E-05	4.99E-06	1.74E-06	9.94E-06	1.19E-06	1.58E-06	5.20E-06	3.59E-07
9994	471399.4	3820166.97	1.84E-05	7.71E-05	6.94E-06	1.53E-05	5.66E-05	4.98E-06	1.73E-06	9.92E-06	1.18E-06	1.58E-06	5.20E-06	3.58E-07
9995	471395.65	3820175.77	1.83E-05	7.70E-05	6.93E-06	1.53E-05	5.66E-05	4.98E-06	1.73E-06	9.91E-06	1.18E-06	1.57E-06	5.19E-06	3.58E-07
9996	471391.9	3820184.57	1.83E-05	7.68E-05	6.92E-06	1.52E-05	5.65E-05	4.97E-06	1.73E-06	9.89E-06	1.18E-06	1.57E-06	5.18E-06	3.57E-07
9997	471388.16	3820193.37	1.83E-05	7.67E-05	6.91E-06	1.52E-05	5.64E-05	4.96E-06	1.73E-06	9.88E-06	1.18E-06	1.57E-06	5.17E-06	3.57E-07
9998	471384.41	3820202.17	1.82E-05	7.66E-05	6.90E-06	1.52E-05	5.63E-05	4.95E-06	1.72E-06	9.86E-06	1.18E-06	1.57E-06	5.16E-06	3.56E-07
9999	471380.66	3820210.97	1.82E-05	7.65E-05	6.89E-06	1.52E-05	5.62E-05	4.94E-06	1.72E-06	9.85E-06	1.17E-06	1.56E-06	5.16E-06	3.55E-07
10000	471376.91	3820219.76	1.82E-05	7.64E-05	6.88E-06	1.51E-05	5.61E-05	4.94E-06	1.72E-06	9.83E-06	1.17E-06	1.56E-06	5.15E-06	3.55E-07
10001	471373.17	3820228.56	1.82E-05	7.63E-05	6.87E-06	1.51E-05	5.60E-05	4.93E-06	1.71E-06	9.82E-06	1.17E-06	1.56E-06	5.14E-06	3.54E-07
10002	471369.42	3820237.36	1.81E-05	7.62E-05	6.86E-06	1.51E-05	5.60E-05	4.92E-06	1.71E-06	9.80E-06	1.17E-06	1.56E-06	5.13E-06	3.54E-07
10003	471365.67	3820246.16	1.81E-05	7.61E-05	6.85E-06	1.51E-05	5.59E-05	4.92E-06	1.71E-06	9.79E-06	1.17E-06	1.55E-06	5.13E-06	3.53E-07
10004	471361.92	3820254.96	1.81E-05	7.59E-05	6.84E-06	1.51E-05	5.58E-05	4.91E-06	1.71E-06	9.78E-06	1.17E-06	1.55E-06	5.12E-06	3.53E-07
10005	471358.18	3820263.76	1.81E-05	7.58E-05	6.83E-06	1.50E-05	5.57E-05	4.90E-06	1.70E-06	9.76E-06	1.16E-06	1.55E-06	5.11E-06	3.52E-07
10006	471354.43	3820272.56	1.80E-05	7.57E-05	6.82E-06	1.50E-05	5.56E-05	4.89E-06	1.70E-06	9.74E-06	1.16E-06	1.55E-06	5.10E-06	3.52E-07
10007	471350.68	3820281.36	1.80E-05	7.56E-05	6.81E-06	1.50E-05	5.55E-05	4.89E-06	1.70E-06	9.73E-06	1.16E-06	1.54E-06	5.09E-06	3.51E-07
10008	471346.93	3820290.16	1.80E-05	7.55E-05	6.80E-06	1.50E-05	5.54E-05	4.88E-06	1.70E-06	9.71E-06	1.16E-06	1.54E-06	5.09E-06	3.51E-07
10009	471343.19	3820298.96	1.79E-05	7.53E-05	6.78E-06	1.49E-05	5.54E-05	4.87E-06	1.69E-06	9.70E-06	1.16E-06	1.54E-06	5.08E-06	3.50E-07
10010	471339.44	3820307.76	1.79E-05	7.52E-05	6.77E-06	1.49E-05	5.53E-05	4.86E-06	1.69E-06	9.68E-06	1.16E-06	1.54E-06	5.07E-06	3.49E-07
10011	471335.69	3820316.56	1.79E-05	7.51E-05	6.76E-06	1.49E-05	5.52E-05	4.85E-06	1.69E-06	9.66E-06	1.15E-06	1.53E-06	5.06E-06	3.49E-07
10012	471331.94	3820325.36	1.78E-05	7.50E-05	6.75E-06	1.49E-05	5.51E-05	4.84E-06	1.69E-06	9.65E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
10013	471328.2	3820334.16	1.78E-05	7.48E-05	6.74E-06	1.48E-05	5.50E-05	4.84E-06	1.68E-06	9.63E-06	1.15E-06	1.53E-06	5.04E-06	3.48E-07
10014	471324.45	3820342.96	1.78E-05	7.47E-05	6.72E-06	1.48E-05	5.49E-05	4.83E-06	1.68E-06	9.61E-06	1.15E-06	1.53E-06	5.03E-06	3.47E-07
10015	471320.7	3820351.76	1.77E-05	7.45E-05	6.71E-06	1.48E-05	5.47E-05	4.82E-06	1.68E-06	9.59E-06	1.14E-06	1.52E-06	5.02E-06	3.46E-07
10016	471316.95	3820360.56	1.77E-05	7.44E-05	6.70E-06	1.47E-05	5.46E-05	4.81E-06	1.67E-06	9.57E-06	1.14E-06	1.52E-06	5.01E-06	3.46E-07
10017	471313.21	3820369.36	1.77E-05	7.42E-05	6.68E-06	1.47E-05	5.45E-05	4.80E-06	1.67E-06	9.55E-06	1.14E-06	1.52E-06	5.00E-06	3.45E-07
10018	471309.46	3820378.16	1.76E-05	7.40E-05	6.67E-06	1.47E-05	5.44E-05	4.78E-06	1.66E-06	9.53E-06	1.14E-06	1.51E-06	4.99E-06	3.44E-07
10019	471305.71	3820386.96	1.76E-05	7.39E-05	6.65E-06	1.46E-05	5.43E-05	4.77E-06	1.66E-06	9.51E-06	1.13E-06	1.51E-06	4.98E-06	3.43E-07
10020	471301.96	3820395.76	1.75E-05	7.37E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.66E-06	9.48E-06	1.13E-06	1.51E-06	4.96E-06	3.42E-07
10021	471298.22	3820404.55	1.75E-05	7.35E-05	6.62E-06	1.46E-05	5.40E-05	4.75E-06	1.65E-06	9.46E-06	1.13E-06	1.50E-06	4.95E-06	3.41E-07
10022	471294.47	3820413.35	1.74E-05	7.32E-05	6.60E-06	1.45E-05	5.38E-05	4.73E-06	1.65E-06	9.43E-06	1.12E-06	1.50E-06	4.94E-06	3.40E-07
10023	471290.72	3820422.15	1.74E-05	7.30E-05	6.58E-06	1.45E-05	5.36E-05	4.72E-06	1.64E-06	9.40E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
10024	471286.97	3820430.95	1.73E-05	7.28E-05	6.56E-06	1.44E-05	5.35E-05	4.71E-06	1.64E-06	9.37E-06	1.12E-06	1.49E-06	4.91E-06	3.38E-07
10025	471283.23	3820439.75	1.73E-05	7.26E-05	6.54E-06	1.44E-05	5.33E-05	4.69E-06	1.63E-06	9.34E-06	1.11E-06	1.48E-06	4.89E-06	3.37E-07
10026	471279.48	3820448.55	1.72E-05	7.23E-05	6.51E-06	1.43E-05	5.32E-05	4.68E-06	1.63E-06	9.31E-06	1.11E-06	1.48E-06	4.88E-06	3.36E-07
10027	471275.73	3820457.35	1.72E-05	7.21E-05	6.49E-06	1.43E-05	5.30E-05	4.66E-06	1.62E-06	9.28E-06	1.11E-06	1.47E-06	4.86E-06	3.35E-07
10028	471263.1	3820469.7	1.72E-05	7.22E-05	6.51E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.30E-06	1.11E-06	1.48E-06	4.87E-06	3.36E-07
10029	471254.22	3820473.25	1.73E-05	7.26E-05	6.54E-06	1.44E-05	5.34E-05	4.69E-06	1.63E-06	9.35E-06	1.12E-06	1.48E-06	4.89E-06	3.37E-07
10030	471245.34	3820476.8	1.74E-05	7.30E-05	6.57E-06	1.45E-05	5.36E-05	4.72E-06	1.64E-06	9.39E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
10031	471236.46	3820480.35	1.75E-05	7.33E-05	6.60E-06	1.45E-05	5.39E-05	4.74E-06	1.65E-06	9.44E-06	1.13E-06	1.50E-06	4.94E-06	3.41E-07
10032	471227.58	3820483.89	1.75E-05	7.37E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.66E-06	9.48E-06	1.13E-06	1.51E-06	4.96E-06	3.42E-07
10033	471218.7	3820487.44	1.76E-05	7.40E-05	6.66E-06	1.47E-05	5.44E-05	4.78E-06	1.66E-06	9.53E-06	1.14E-06	1.51E-06	4.99E-06	3.44E-07
10034	471209.81	3820490.99	1.77E-05	7.43E-05	6.69E-06	1.47E-05	5.46E-05	4.80E-06	1.67E-06	9.57E-06	1.14E-06	1.52E-06	5.01E-06	3.45E-07

10035	471200.93	3820494.54	1.78E-05	7.46E-05	6.72E-06	1.48E-05	5.49E-05	4.83E-06	1.68E-06	9.61E-06	1.15E-06	1.53E-06	5.03E-06	3.47E-07
10036	471192.05	3820498.09	1.79E-05	7.50E-05	6.75E-06	1.49E-05	5.51E-05	4.85E-06	1.69E-06	9.65E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07
10037	471183.17	3820501.64	1.79E-05	7.53E-05	6.78E-06	1.49E-05	5.53E-05	4.87E-06	1.69E-06	9.69E-06	1.16E-06	1.54E-06	5.07E-06	3.50E-07
10038	471174.29	3820505.19	1.80E-05	7.56E-05	6.81E-06	1.50E-05	5.55E-05	4.89E-06	1.70E-06	9.73E-06	1.16E-06	1.55E-06	5.10E-06	3.51E-07
10039	471165.41	3820508.73	1.81E-05	7.59E-05	6.84E-06	1.51E-05	5.58E-05	4.91E-06	1.71E-06	9.77E-06	1.17E-06	1.55E-06	5.12E-06	3.53E-07
10040	471156.52	3820512.28	1.81E-05	7.62E-05	6.86E-06	1.51E-05	5.60E-05	4.93E-06	1.71E-06	9.81E-06	1.17E-06	1.56E-06	5.14E-06	3.54E-07
10041	471147.64	3820515.83	1.82E-05	7.65E-05	6.89E-06	1.52E-05	5.62E-05	4.95E-06	1.72E-06	9.85E-06	1.18E-06	1.56E-06	5.16E-06	3.55E-07
10042	471138.76	3820519.38	1.83E-05	7.68E-05	6.92E-06	1.52E-05	5.64E-05	4.96E-06	1.73E-06	9.89E-06	1.18E-06	1.57E-06	5.18E-06	3.57E-07
10043	471129.88	3820522.93	1.84E-05	7.71E-05	6.94E-06	1.53E-05	5.66E-05	4.98E-06	1.73E-06	9.92E-06	1.18E-06	1.58E-06	5.20E-06	3.58E-07
10044	471121	3820526.48	1.84E-05	7.74E-05	6.97E-06	1.54E-05	5.69E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
10045	471112.12	3820530.03	1.85E-05	7.77E-05	7.00E-06	1.54E-05	5.71E-05	5.02E-06	1.75E-06	1.00E-05	1.19E-06	1.59E-06	5.24E-06	3.61E-07
10046	471049.95	3820554.87	1.90E-05	7.99E-05	7.19E-06	1.58E-05	5.87E-05	5.16E-06	1.80E-06	1.03E-05	1.23E-06	1.63E-06	5.38E-06	3.71E-07
10047	471041.06	3820558.42	1.91E-05	8.02E-05	7.22E-06	1.59E-05	5.89E-05	5.19E-06	1.80E-06	1.03E-05	1.23E-06	1.64E-06	5.41E-06	3.73E-07
10048	471032.18	3820561.96	1.92E-05	8.05E-05	7.25E-06	1.60E-05	5.92E-05	5.21E-06	1.81E-06	1.04E-05	1.24E-06	1.65E-06	5.43E-06	3.74E-07
10049	471023.3	3820565.51	1.93E-05	8.09E-05	7.29E-06	1.60E-05	5.95E-05	5.23E-06	1.82E-06	1.04E-05	1.24E-06	1.65E-06	5.45E-06	3.76E-07
10050	471014.42	3820569.06	1.93E-05	8.13E-05	7.32E-06	1.61E-05	5.97E-05	5.25E-06	1.83E-06	1.05E-05	1.25E-06	1.66E-06	5.48E-06	3.78E-07
10051	471005.54	3820572.61	1.94E-05	8.16E-05	7.35E-06	1.62E-05	6.00E-05	5.28E-06	1.84E-06	1.05E-05	1.25E-06	1.67E-06	5.50E-06	3.79E-07
10052	470996.66	3820576.16	1.95E-05	8.21E-05	7.39E-06	1.63E-05	6.03E-05	5.31E-06	1.85E-06	1.06E-05	1.26E-06	1.68E-06	5.53E-06	3.81E-07
10053	470987.77	3820579.71	1.97E-05	8.25E-05	7.43E-06	1.64E-05	6.06E-05	5.33E-06	1.86E-06	1.06E-05	1.27E-06	1.69E-06	5.56E-06	3.83E-07
10054	470978.89	3820583.26	1.98E-05	8.30E-05	7.48E-06	1.65E-05	6.10E-05	5.37E-06	1.87E-06	1.07E-05	1.27E-06	1.70E-06	5.60E-06	3.86E-07
10055	470970.01	3820586.8	1.99E-05	8.35E-05	7.52E-06	1.66E-05	6.13E-05	5.39E-06	1.88E-06	1.07E-05	1.28E-06	1.71E-06	5.63E-06	3.88E-07
10056	470961.13	3820590.35	2.00E-05	8.40E-05	7.56E-06	1.67E-05	6.17E-05	5.43E-06	1.89E-06	1.08E-05	1.29E-06	1.72E-06	5.66E-06	3.90E-07
10057	470952.25	3820593.9	2.01E-05	8.45E-05	7.61E-06	1.68E-05	6.21E-05	5.46E-06	1.90E-06	1.09E-05	1.30E-06	1.73E-06	5.69E-06	3.92E-07
10058	470872.31	3820625.84	2.15E-05	9.04E-05	8.14E-06	1.79E-05	6.64E-05	5.84E-06	2.03E-06	1.16E-05	1.39E-06	1.85E-06	6.09E-06	4.20E-07
10059	470863.43	3820629.39	2.17E-05	9.12E-05	8.21E-06	1.81E-05	6.70E-05	5.89E-06	2.05E-06	1.17E-05	1.40E-06	1.86E-06	6.15E-06	4.24E-07
10060	470854.55	3820632.94	2.19E-05	9.20E-05	8.28E-06	1.82E-05	6.76E-05	5.95E-06	2.07E-06	1.18E-05	1.41E-06	1.88E-06	6.20E-06	4.27E-07
10061	470845.67	3820636.48	2.21E-05	9.28E-05	8.36E-06	1.84E-05	6.82E-05	6.00E-06	2.09E-06	1.19E-05	1.43E-06	1.90E-06	6.26E-06	4.31E-07
10062	470836.79	3820640.03	2.23E-05	9.37E-05	8.44E-06	1.86E-05	6.88E-05	6.06E-06	2.11E-06	1.21E-05	1.44E-06	1.91E-06	6.31E-06	4.35E-07
10063	470827.91	3820643.58	2.25E-05	9.45E-05	8.51E-06	1.87E-05	6.95E-05	6.11E-06	2.13E-06	1.22E-05	1.45E-06	1.93E-06	6.37E-06	4.39E-07
10064	470819.02	3820647.13	2.27E-05	9.54E-05	8.59E-06	1.89E-05	7.01E-05	6.17E-06	2.14E-06	1.23E-05	1.46E-06	1.95E-06	6.43E-06	4.43E-07
10065	470810.14	3820650.68	2.29E-05	9.62E-05	8.67E-06	1.91E-05	7.07E-05	6.22E-06	2.16E-06	1.24E-05	1.48E-06	1.97E-06	6.49E-06	4.47E-07
10066	470801.26	3820654.23	2.31E-05	9.71E-05	8.74E-06	1.93E-05	7.13E-05	6.27E-06	2.18E-06	1.25E-05	1.49E-06	1.98E-06	6.54E-06	4.51E-07
10067	470792.38	3820657.78	2.33E-05	9.79E-05	8.82E-06	1.94E-05	7.19E-05	6.33E-06	2.20E-06	1.26E-05	1.50E-06	2.00E-06	6.60E-06	4.55E-07
10068	470783.5	3820661.32	2.35E-05	9.87E-05	8.89E-06	1.96E-05	7.25E-05	6.38E-06	2.22E-06	1.27E-05	1.52E-06	2.02E-06	6.65E-06	4.59E-07
10069	470774.62	3820664.87	2.37E-05	9.96E-05	8.97E-06	1.97E-05	7.32E-05	6.44E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.71E-06	4.63E-07
10070	470765.73	3820668.42	2.39E-05	1.00E-04	9.05E-06	1.99E-05	7.38E-05	6.49E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.77E-06	4.67E-07
10071	470756.85	3820671.97	2.41E-05	1.01E-04	9.13E-06	2.01E-05	7.45E-05	6.55E-06	2.28E-06	1.30E-05	1.56E-06	2.07E-06	6.83E-06	4.71E-07
10072	470747.97	3820675.52	2.44E-05	1.02E-04	9.21E-06	2.03E-05	7.51E-05	6.61E-06	2.30E-06	1.32E-05	1.57E-06	2.09E-06	6.89E-06	4.75E-07
10073	470739.09	3820679.07	2.46E-05	1.03E-04	9.29E-06	2.05E-05	7.58E-05	6.67E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.95E-06	4.79E-07
10074	470730.21	3820682.62	2.48E-05	1.04E-04	9.37E-06	2.06E-05	7.65E-05	6.73E-06	2.34E-06	1.34E-05	1.60E-06	2.13E-06	7.01E-06	4.84E-07
10075	470721.33	3820686.16	2.50E-05	1.05E-04	9.45E-06	2.08E-05	7.71E-05	6.78E-06	2.36E-06	1.35E-05	1.61E-06	2.15E-06	7.07E-06	4.88E-07
10076	470712.44	3820689.71	2.52E-05	1.06E-04	9.53E-06	2.10E-05	7.77E-05	6.84E-06	2.38E-06	1.36E-05	1.62E-06	2.16E-06	7.13E-06	4.92E-07

10077	470703.56	3820693.26	2.54E-05	1.07E-04	9.61E-06	2.12E-05	7.84E-05	6.90E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.19E-06	4.96E-07
10078	470694.68	3820696.81	2.56E-05	1.08E-04	9.69E-06	2.13E-05	7.91E-05	6.96E-06	2.42E-06	1.39E-05	1.65E-06	2.20E-06	7.26E-06	5.00E-07
10079	470685.8	3820700.36	2.58E-05	1.09E-04	9.78E-06	2.15E-05	7.98E-05	7.02E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.32E-06	5.04E-07
10080	470676.92	3820703.91	2.60E-05	1.09E-04	9.85E-06	2.17E-05	8.04E-05	7.07E-06	2.46E-06	1.41E-05	1.68E-06	2.24E-06	7.37E-06	5.08E-07
10081	470668.04	3820707.46	2.62E-05	1.10E-04	9.92E-06	2.19E-05	8.10E-05	7.12E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.43E-06	5.12E-07
10082	470659.16	3820711.01	2.64E-05	1.11E-04	1.00E-05	2.20E-05	8.16E-05	7.18E-06	2.50E-06	1.43E-05	1.71E-06	2.27E-06	7.48E-06	5.16E-07
10083	470650.27	3820714.55	2.66E-05	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.51E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.19E-07
10084	470641.39	3820718.1	2.68E-05	1.13E-04	1.01E-05	2.23E-05	8.27E-05	7.27E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.58E-06	5.23E-07
10085	470632.51	3820721.65	2.70E-05	1.13E-04	1.02E-05	2.25E-05	8.32E-05	7.32E-06	2.55E-06	1.46E-05	1.74E-06	2.31E-06	7.63E-06	5.26E-07
10086	470623.63	3820725.2	2.71E-05	1.14E-04	1.03E-05	2.26E-05	8.37E-05	7.36E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.67E-06	5.29E-07
10087	470614.75	3820728.75	2.73E-05	1.15E-04	1.03E-05	2.27E-05	8.42E-05	7.41E-06	2.58E-06	1.47E-05	1.76E-06	2.34E-06	7.72E-06	5.32E-07
10088	470605.87	3820732.3	2.75E-05	1.15E-04	1.04E-05	2.29E-05	8.47E-05	7.45E-06	2.59E-06	1.48E-05	1.77E-06	2.36E-06	7.77E-06	5.36E-07
10089	470596.98	3820735.85	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.52E-05	7.50E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.82E-06	5.39E-07
10090	470588.1	3820739.39	2.78E-05	1.17E-04	1.05E-05	2.31E-05	8.57E-05	7.54E-06	2.62E-06	1.50E-05	1.79E-06	2.38E-06	7.86E-06	5.42E-07
10091	470579.22	3820742.94	2.79E-05	1.17E-04	1.05E-05	2.32E-05	8.61E-05	7.57E-06	2.63E-06	1.51E-05	1.80E-06	2.39E-06	7.89E-06	5.44E-07
10092	470570.34	3820746.49	2.80E-05	1.18E-04	1.06E-05	2.33E-05	8.64E-05	7.60E-06	2.64E-06	1.51E-05	1.81E-06	2.40E-06	7.93E-06	5.46E-07
10093	470561.46	3820750.04	2.81E-05	1.18E-04	1.06E-05	2.34E-05	8.67E-05	7.63E-06	2.65E-06	1.52E-05	1.81E-06	2.41E-06	7.96E-06	5.48E-07
10094	470552.58	3820753.59	2.82E-05	1.18E-04	1.07E-05	2.35E-05	8.69E-05	7.65E-06	2.66E-06	1.52E-05	1.82E-06	2.42E-06	7.98E-06	5.50E-07
10095	470543.69	3820757.14	2.82E-05	1.19E-04	1.07E-05	2.35E-05	8.71E-05	7.66E-06	2.67E-06	1.53E-05	1.82E-06	2.42E-06	7.99E-06	5.51E-07
10096	470534.81	3820760.69	2.83E-05	1.19E-04	1.07E-05	2.36E-05	8.73E-05	7.68E-06	2.67E-06	1.53E-05	1.82E-06	2.43E-06	8.01E-06	5.52E-07
10097	470525.93	3820764.23	2.83E-05	1.19E-04	1.07E-05	2.36E-05	8.74E-05	7.69E-06	2.68E-06	1.53E-05	1.83E-06	2.43E-06	8.02E-06	5.53E-07
10098	470517.05	3820767.78	2.84E-05	1.19E-04	1.07E-05	2.36E-05	8.76E-05	7.71E-06	2.68E-06	1.53E-05	1.83E-06	2.44E-06	8.04E-06	5.54E-07
10099	470508.17	3820771.33	2.84E-05	1.19E-04	1.08E-05	2.37E-05	8.77E-05	7.72E-06	2.68E-06	1.54E-05	1.83E-06	2.44E-06	8.05E-06	5.55E-07
10100	470499.29	3820774.88	2.85E-05	1.20E-04	1.08E-05	2.37E-05	8.79E-05	7.73E-06	2.69E-06	1.54E-05	1.84E-06	2.44E-06	8.06E-06	5.56E-07
10101	470490.4	3820778.43	2.85E-05	1.20E-04	1.08E-05	2.38E-05	8.80E-05	7.74E-06	2.69E-06	1.54E-05	1.84E-06	2.45E-06	8.07E-06	5.57E-07
10102	470481.52	3820781.98	2.86E-05	1.20E-04	1.08E-05	2.38E-05	8.82E-05	7.76E-06	2.70E-06	1.54E-05	1.84E-06	2.45E-06	8.09E-06	5.57E-07
10103	470472.64	3820785.53	2.86E-05	1.20E-04	1.08E-05	2.38E-05	8.83E-05	7.77E-06	2.70E-06	1.55E-05	1.85E-06	2.46E-06	8.10E-06	5.58E-07
10104	470463.76	3820789.07	2.87E-05	1.20E-04	1.08E-05	2.39E-05	8.84E-05	7.78E-06	2.71E-06	1.55E-05	1.85E-06	2.46E-06	8.11E-06	5.59E-07
10105	470454.88	3820792.62	2.87E-05	1.20E-04	1.09E-05	2.39E-05	8.85E-05	7.79E-06	2.71E-06	1.55E-05	1.85E-06	2.46E-06	8.12E-06	5.60E-07
10106	470446	3820796.17	2.87E-05	1.21E-04	1.09E-05	2.39E-05	8.87E-05	7.80E-06	2.71E-06	1.55E-05	1.85E-06	2.47E-06	8.13E-06	5.61E-07
10107	470437.12	3820799.72	2.88E-05	1.21E-04	1.09E-05	2.40E-05	8.88E-05	7.81E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.14E-06	5.61E-07
10108	470428.23	3820803.27	2.88E-05	1.21E-04	1.09E-05	2.40E-05	8.89E-05	7.82E-06	2.72E-06	1.56E-05	1.86E-06	2.47E-06	8.16E-06	5.62E-07
10109	470419.35	3820806.82	2.89E-05	1.21E-04	1.09E-05	2.40E-05	8.91E-05	7.84E-06	2.73E-06	1.56E-05	1.86E-06	2.48E-06	8.17E-06	5.63E-07
10110	470410.47	3820810.37	2.89E-05	1.21E-04	1.09E-05	2.41E-05	8.92E-05	7.85E-06	2.73E-06	1.56E-05	1.87E-06	2.48E-06	8.19E-06	5.64E-07
10111	470401.59	3820813.91	2.90E-05	1.22E-04	1.10E-05	2.41E-05	8.94E-05	7.86E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.20E-06	5.65E-07
10112	470392.71	3820817.46	2.90E-05	1.22E-04	1.10E-05	2.42E-05	8.95E-05	7.87E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.21E-06	5.66E-07
10113	470383.83	3820821.01	2.91E-05	1.22E-04	1.10E-05	2.42E-05	8.97E-05	7.89E-06	2.74E-06	1.57E-05	1.87E-06	2.49E-06	8.22E-06	5.67E-07
10114	470374.94	3820824.56	2.91E-05	1.22E-04	1.10E-05	2.42E-05	8.98E-05	7.90E-06	2.75E-06	1.57E-05	1.88E-06	2.50E-06	8.24E-06	5.68E-07
10115	470366.06	3820828.11	2.92E-05	1.22E-04	1.10E-05	2.43E-05	9.00E-05	7.92E-06	2.75E-06	1.58E-05	1.88E-06	2.50E-06	8.25E-06	5.69E-07
10116	470295.01	3820856.5	2.98E-05	1.25E-04	1.13E-05	2.48E-05	9.20E-05	8.10E-06	2.82E-06	1.61E-05	1.92E-06	2.56E-06	8.44E-06	5.82E-07
10117	470286.13	3820860.05	2.99E-05	1.26E-04	1.13E-05	2.49E-05	9.23E-05	8.12E-06	2.83E-06	1.62E-05	1.93E-06	2.57E-06	8.47E-06	5.84E-07
10118	470277.25	3820863.6	3.00E-05	1.26E-04	1.14E-05	2.50E-05	9.26E-05	8.15E-06	2.84E-06	1.62E-05	1.94E-06	2.58E-06	8.50E-06	5.86E-07

10119	470268.36	3820867.14	3.01E-05	1.27E-04	1.14E-05	2.51E-05	9.30E-05	8.18E-06	2.85E-06	1.63E-05	1.94E-06	2.59E-06	8.53E-06	5.88E-07
10120	471699.2	3819463.01	1.50E-05	6.30E-05	5.67E-06	1.25E-05	4.63E-05	4.07E-06	1.42E-06	8.11E-06	9.68E-07	1.29E-06	4.25E-06	2.93E-07
10121	471699.28	3819453.36	1.50E-05	6.29E-05	5.66E-06	1.25E-05	4.62E-05	4.06E-06	1.41E-06	8.09E-06	9.66E-07	1.29E-06	4.24E-06	2.92E-07
10122	471699.36	3819443.71	1.49E-05	6.27E-05	5.65E-06	1.24E-05	4.61E-05	4.05E-06	1.41E-06	8.07E-06	9.63E-07	1.28E-06	4.23E-06	2.91E-07
10123	471699.45	3819434.06	1.49E-05	6.25E-05	5.63E-06	1.24E-05	4.59E-05	4.04E-06	1.41E-06	8.05E-06	9.60E-07	1.28E-06	4.21E-06	2.90E-07
10124	471699.53	3819424.41	1.48E-05	6.23E-05	5.61E-06	1.24E-05	4.58E-05	4.03E-06	1.40E-06	8.02E-06	9.57E-07	1.27E-06	4.20E-06	2.89E-07
10125	471699.61	3819414.76	1.48E-05	6.21E-05	5.59E-06	1.23E-05	4.56E-05	4.01E-06	1.40E-06	7.99E-06	9.53E-07	1.27E-06	4.18E-06	2.88E-07
10126	471699.69	3819405.12	1.47E-05	6.18E-05	5.57E-06	1.23E-05	4.54E-05	4.00E-06	1.39E-06	7.96E-06	9.49E-07	1.26E-06	4.17E-06	2.87E-07
10127	471699.78	3819395.47	1.47E-05	6.16E-05	5.54E-06	1.22E-05	4.52E-05	3.98E-06	1.38E-06	7.92E-06	9.45E-07	1.26E-06	4.15E-06	2.86E-07
10128	471699.86	3819385.82	1.46E-05	6.13E-05	5.52E-06	1.22E-05	4.50E-05	3.96E-06	1.38E-06	7.89E-06	9.41E-07	1.25E-06	4.13E-06	2.85E-07
10129	471699.94	3819376.17	1.45E-05	6.10E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.85E-06	9.37E-07	1.25E-06	4.11E-06	2.83E-07
10130	471700.03	3819366.52	1.45E-05	6.07E-05	5.47E-06	1.20E-05	4.46E-05	3.92E-06	1.36E-06	7.81E-06	9.32E-07	1.24E-06	4.09E-06	2.82E-07
10131	471700.11	3819356.88	1.44E-05	6.04E-05	5.44E-06	1.20E-05	4.44E-05	3.90E-06	1.36E-06	7.77E-06	9.27E-07	1.23E-06	4.07E-06	2.80E-07
10132	471700.19	3819347.23	1.43E-05	6.00E-05	5.40E-06	1.19E-05	4.41E-05	3.88E-06	1.35E-06	7.72E-06	9.22E-07	1.23E-06	4.04E-06	2.79E-07
10133	471700.27	3819337.58	1.42E-05	5.97E-05	5.37E-06	1.18E-05	4.38E-05	3.86E-06	1.34E-06	7.68E-06	9.16E-07	1.22E-06	4.02E-06	2.77E-07
10134	471700.36	3819327.93	1.41E-05	5.93E-05	5.34E-06	1.18E-05	4.35E-05	3.83E-06	1.33E-06	7.63E-06	9.10E-07	1.21E-06	3.99E-06	2.75E-07
10135	471700.44	3819318.28	1.40E-05	5.88E-05	5.30E-06	1.17E-05	4.32E-05	3.80E-06	1.32E-06	7.58E-06	9.04E-07	1.20E-06	3.97E-06	2.73E-07
10136	471700.52	3819308.63	1.39E-05	5.84E-05	5.26E-06	1.16E-05	4.29E-05	3.78E-06	1.31E-06	7.52E-06	8.98E-07	1.19E-06	3.94E-06	2.72E-07
10137	471700.6	3819298.99	1.38E-05	5.80E-05	5.22E-06	1.15E-05	4.26E-05	3.75E-06	1.30E-06	7.47E-06	8.91E-07	1.19E-06	3.91E-06	2.69E-07
10138	471700.69	3819289.34	1.37E-05	5.75E-05	5.18E-06	1.14E-05	4.23E-05	3.72E-06	1.29E-06	7.41E-06	8.84E-07	1.18E-06	3.88E-06	2.67E-07
10139	471700.77	3819279.69	1.36E-05	5.71E-05	5.14E-06	1.13E-05	4.19E-05	3.69E-06	1.28E-06	7.35E-06	8.77E-07	1.17E-06	3.85E-06	2.65E-07
10140	471700.85	3819270.04	1.35E-05	5.66E-05	5.09E-06	1.12E-05	4.16E-05	3.66E-06	1.27E-06	7.28E-06	8.69E-07	1.16E-06	3.81E-06	2.63E-07
10141	471700.94	3819260.39	1.33E-05	5.61E-05	5.05E-06	1.11E-05	4.12E-05	3.62E-06	1.26E-06	7.22E-06	8.61E-07	1.15E-06	3.78E-06	2.60E-07
10142	471775.43	3819472.52	1.36E-05	5.71E-05	5.14E-06	1.13E-05	4.19E-05	3.69E-06	1.28E-06	7.34E-06	8.76E-07	1.17E-06	3.85E-06	2.65E-07
10143	471771.67	3819481.35	1.37E-05	5.74E-05	5.17E-06	1.14E-05	4.22E-05	3.71E-06	1.29E-06	7.39E-06	8.82E-07	1.17E-06	3.87E-06	2.67E-07
10144	471767.91	3819490.18	1.38E-05	5.78E-05	5.21E-06	1.15E-05	4.25E-05	3.74E-06	1.30E-06	7.44E-06	8.88E-07	1.18E-06	3.90E-06	2.69E-07
10145	471764.15	3819499.01	1.39E-05	5.82E-05	5.24E-06	1.15E-05	4.28E-05	3.76E-06	1.31E-06	7.49E-06	8.94E-07	1.19E-06	3.92E-06	2.70E-07
10146	471760.39	3819507.84	1.39E-05	5.85E-05	5.27E-06	1.16E-05	4.30E-05	3.78E-06	1.32E-06	7.54E-06	8.99E-07	1.20E-06	3.95E-06	2.72E-07
10147	471756.63	3819516.67	1.40E-05	5.89E-05	5.30E-06	1.17E-05	4.33E-05	3.81E-06	1.32E-06	7.58E-06	9.04E-07	1.20E-06	3.97E-06	2.74E-07
10148	471752.87	3819525.5	1.41E-05	5.93E-05	5.34E-06	1.18E-05	4.35E-05	3.83E-06	1.33E-06	7.63E-06	9.10E-07	1.21E-06	3.99E-06	2.75E-07
10149	471749.11	3819534.34	1.42E-05	5.96E-05	5.37E-06	1.18E-05	4.38E-05	3.85E-06	1.34E-06	7.67E-06	9.15E-07	1.22E-06	4.02E-06	2.77E-07
10150	471745.35	3819543.17	1.43E-05	5.99E-05	5.40E-06	1.19E-05	4.40E-05	3.87E-06	1.35E-06	7.72E-06	9.21E-07	1.23E-06	4.04E-06	2.79E-07
10151	471741.59	3819552	1.44E-05	6.03E-05	5.43E-06	1.20E-05	4.43E-05	3.90E-06	1.36E-06	7.76E-06	9.26E-07	1.23E-06	4.06E-06	2.80E-07
10152	471737.83	3819560.83	1.44E-05	6.06E-05	5.46E-06	1.20E-05	4.45E-05	3.92E-06	1.36E-06	7.80E-06	9.31E-07	1.24E-06	4.09E-06	2.82E-07
10153	471734.07	3819569.66	1.45E-05	6.09E-05	5.49E-06	1.21E-05	4.48E-05	3.94E-06	1.37E-06	7.84E-06	9.36E-07	1.25E-06	4.11E-06	2.83E-07
10154	471730.31	3819578.49	1.46E-05	6.13E-05	5.52E-06	1.21E-05	4.50E-05	3.96E-06	1.38E-06	7.89E-06	9.41E-07	1.25E-06	4.13E-06	2.85E-07
10155	471726.55	3819587.32	1.47E-05	6.16E-05	5.55E-06	1.22E-05	4.52E-05	3.98E-06	1.38E-06	7.93E-06	9.46E-07	1.26E-06	4.15E-06	2.86E-07
10156	471722.78	3819596.15	1.47E-05	6.19E-05	5.57E-06	1.23E-05	4.55E-05	4.00E-06	1.39E-06	7.97E-06	9.51E-07	1.27E-06	4.17E-06	2.88E-07
10157	471719.02	3819604.98	1.48E-05	6.22E-05	5.60E-06	1.23E-05	4.57E-05	4.02E-06	1.40E-06	8.01E-06	9.55E-07	1.27E-06	4.19E-06	2.89E-07
10158	471715.26	3819613.81	1.49E-05	6.25E-05	5.63E-06	1.24E-05	4.59E-05	4.04E-06	1.41E-06	8.05E-06	9.60E-07	1.28E-06	4.21E-06	2.91E-07
10159	471711.5	3819622.64	1.50E-05	6.28E-05	5.66E-06	1.25E-05	4.62E-05	4.06E-06	1.41E-06	8.09E-06	9.65E-07	1.28E-06	4.23E-06	2.92E-07
10160	471707.74	3819631.47	1.50E-05	6.31E-05	5.69E-06	1.25E-05	4.64E-05	4.08E-06	1.42E-06	8.13E-06	9.70E-07	1.29E-06	4.26E-06	2.93E-07

10161	471703.98	3819640.3	1.51E-05	6.34E-05	5.71E-06	1.26E-05	4.66E-05	4.10E-06	1.43E-06	8.17E-06	9.74E-07	1.30E-06	4.28E-06	2.95E-07
10162	471700.22	3819649.13	1.52E-05	6.37E-05	5.74E-06	1.26E-05	4.68E-05	4.12E-06	1.43E-06	8.20E-06	9.79E-07	1.30E-06	4.30E-06	2.96E-07
10163	471696.46	3819657.96	1.52E-05	6.40E-05	5.77E-06	1.27E-05	4.71E-05	4.14E-06	1.44E-06	8.24E-06	9.84E-07	1.31E-06	4.32E-06	2.98E-07
10164	471688.94	3819675.62	1.54E-05	6.46E-05	5.82E-06	1.28E-05	4.75E-05	4.18E-06	1.45E-06	8.32E-06	9.93E-07	1.32E-06	4.36E-06	3.00E-07
10165	471685.18	3819684.45	1.55E-05	6.50E-05	5.85E-06	1.29E-05	4.77E-05	4.20E-06	1.46E-06	8.36E-06	9.98E-07	1.33E-06	4.38E-06	3.02E-07
10166	471681.42	3819693.28	1.55E-05	6.53E-05	5.88E-06	1.29E-05	4.79E-05	4.22E-06	1.47E-06	8.40E-06	1.00E-06	1.33E-06	4.40E-06	3.03E-07
10167	471677.66	3819702.11	1.56E-05	6.56E-05	5.90E-06	1.30E-05	4.82E-05	4.24E-06	1.47E-06	8.44E-06	1.01E-06	1.34E-06	4.42E-06	3.05E-07
10168	471673.9	3819710.95	1.57E-05	6.59E-05	5.93E-06	1.31E-05	4.84E-05	4.26E-06	1.48E-06	8.48E-06	1.01E-06	1.35E-06	4.44E-06	3.06E-07
10169	471670.14	3819719.78	1.58E-05	6.61E-05	5.96E-06	1.31E-05	4.86E-05	4.28E-06	1.49E-06	8.51E-06	1.02E-06	1.35E-06	4.46E-06	3.07E-07
10170	471666.37	3819728.61	1.58E-05	6.64E-05	5.98E-06	1.32E-05	4.88E-05	4.30E-06	1.49E-06	8.55E-06	1.02E-06	1.36E-06	4.48E-06	3.09E-07
10171	471662.61	3819737.44	1.59E-05	6.67E-05	6.01E-06	1.32E-05	4.90E-05	4.31E-06	1.50E-06	8.59E-06	1.02E-06	1.36E-06	4.50E-06	3.10E-07
10172	471658.85	3819746.27	1.60E-05	6.70E-05	6.04E-06	1.33E-05	4.93E-05	4.33E-06	1.51E-06	8.63E-06	1.03E-06	1.37E-06	4.52E-06	3.11E-07
10173	471655.09	3819755.1	1.60E-05	6.73E-05	6.06E-06	1.34E-05	4.95E-05	4.35E-06	1.51E-06	8.67E-06	1.03E-06	1.38E-06	4.54E-06	3.13E-07
10174	471651.33	3819763.93	1.61E-05	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.56E-06	3.14E-07
10175	471647.57	3819772.76	1.62E-05	6.79E-05	6.11E-06	1.35E-05	4.99E-05	4.39E-06	1.53E-06	8.74E-06	1.04E-06	1.39E-06	4.58E-06	3.15E-07
10176	471643.81	3819781.59	1.62E-05	6.81E-05	6.14E-06	1.35E-05	5.01E-05	4.40E-06	1.53E-06	8.77E-06	1.05E-06	1.39E-06	4.59E-06	3.17E-07
10177	471640.05	3819790.42	1.63E-05	6.84E-05	6.16E-06	1.36E-05	5.03E-05	4.42E-06	1.54E-06	8.81E-06	1.05E-06	1.40E-06	4.61E-06	3.18E-07
10178	471636.29	3819799.25	1.64E-05	6.87E-05	6.19E-06	1.36E-05	5.05E-05	4.44E-06	1.54E-06	8.84E-06	1.05E-06	1.40E-06	4.63E-06	3.19E-07
10179	471632.53	3819808.08	1.64E-05	6.90E-05	6.21E-06	1.37E-05	5.07E-05	4.46E-06	1.55E-06	8.88E-06	1.06E-06	1.41E-06	4.65E-06	3.20E-07
10180	471628.77	3819816.91	1.65E-05	6.92E-05	6.23E-06	1.37E-05	5.08E-05	4.47E-06	1.56E-06	8.91E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
10181	471625.01	3819825.74	1.65E-05	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.49E-06	1.56E-06	8.94E-06	1.07E-06	1.42E-06	4.68E-06	3.23E-07
10182	471621.25	3819834.57	1.66E-05	6.97E-05	6.27E-06	1.38E-05	5.12E-05	4.50E-06	1.57E-06	8.97E-06	1.07E-06	1.42E-06	4.70E-06	3.24E-07
10183	471617.49	3819843.4	1.66E-05	6.99E-05	6.29E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.00E-06	1.07E-06	1.43E-06	4.71E-06	3.25E-07
10184	471602.44	3819878.73	1.68E-05	7.07E-05	6.37E-06	1.40E-05	5.19E-05	4.57E-06	1.59E-06	9.10E-06	1.09E-06	1.44E-06	4.76E-06	3.28E-07
10185	471598.68	3819887.56	1.69E-05	7.08E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
10186	471594.92	3819896.39	1.69E-05	7.10E-05	6.39E-06	1.41E-05	5.22E-05	4.59E-06	1.60E-06	9.14E-06	1.09E-06	1.45E-06	4.79E-06	3.30E-07
10187	471591.16	3819905.22	1.69E-05	7.12E-05	6.41E-06	1.41E-05	5.23E-05	4.60E-06	1.60E-06	9.16E-06	1.09E-06	1.45E-06	4.80E-06	3.31E-07
10188	471587.4	3819914.05	1.70E-05	7.13E-05	6.42E-06	1.41E-05	5.24E-05	4.61E-06	1.60E-06	9.17E-06	1.09E-06	1.46E-06	4.80E-06	3.31E-07
10189	471583.64	3819922.88	1.70E-05	7.14E-05	6.43E-06	1.42E-05	5.25E-05	4.61E-06	1.61E-06	9.19E-06	1.10E-06	1.46E-06	4.81E-06	3.32E-07
10190	471579.88	3819931.71	1.70E-05	7.15E-05	6.44E-06	1.42E-05	5.25E-05	4.62E-06	1.61E-06	9.20E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
10191	471576.12	3819940.54	1.70E-05	7.16E-05	6.45E-06	1.42E-05	5.26E-05	4.63E-06	1.61E-06	9.22E-06	1.10E-06	1.46E-06	4.83E-06	3.33E-07
10192	471572.36	3819949.37	1.71E-05	7.17E-05	6.45E-06	1.42E-05	5.27E-05	4.63E-06	1.61E-06	9.23E-06	1.10E-06	1.47E-06	4.83E-06	3.33E-07
10193	471568.6	3819958.2	1.71E-05	7.17E-05	6.46E-06	1.42E-05	5.27E-05	4.64E-06	1.61E-06	9.23E-06	1.10E-06	1.47E-06	4.83E-06	3.33E-07
10194	471564.84	3819967.03	1.71E-05	7.18E-05	6.46E-06	1.42E-05	5.27E-05	4.64E-06	1.61E-06	9.24E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
10195	471561.08	3819975.86	1.71E-05	7.18E-05	6.47E-06	1.42E-05	5.28E-05	4.64E-06	1.61E-06	9.24E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
10196	471557.31	3819984.69	1.71E-05	7.18E-05	6.47E-06	1.42E-05	5.28E-05	4.64E-06	1.61E-06	9.25E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
10197	471553.55	3819993.52	1.71E-05	7.18E-05	6.47E-06	1.42E-05	5.28E-05	4.64E-06	1.62E-06	9.25E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
10198	471549.79	3820002.35	1.71E-05	7.18E-05	6.47E-06	1.42E-05	5.28E-05	4.64E-06	1.62E-06	9.25E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
10199	471546.03	3820011.18	1.71E-05	7.18E-05	6.47E-06	1.42E-05	5.28E-05	4.64E-06	1.61E-06	9.25E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
10200	471542.27	3820020.01	1.71E-05	7.18E-05	6.47E-06	1.42E-05	5.28E-05	4.64E-06	1.61E-06	9.24E-06	1.10E-06	1.47E-06	4.84E-06	3.34E-07
10201	471538.51	3820028.84	1.71E-05	7.18E-05	6.46E-06	1.42E-05	5.27E-05	4.64E-06	1.61E-06	9.24E-06	1.10E-06	1.47E-06	4.84E-06	3.33E-07
10202	471534.75	3820037.67	1.71E-05	7.17E-05	6.46E-06	1.42E-05	5.27E-05	4.64E-06	1.61E-06	9.23E-06	1.10E-06	1.47E-06	4.83E-06	3.33E-07

10203	471530.99	3820046.5	1.71E-05	7.17E-05	6.45E-06	1.42E-05	5.27E-05	4.63E-06	1.61E-06	9.22E-06	1.10E-06	1.46E-06	4.83E-06	3.33E-07
10204	471527.23	3820055.34	1.70E-05	7.16E-05	6.45E-06	1.42E-05	5.26E-05	4.63E-06	1.61E-06	9.22E-06	1.10E-06	1.46E-06	4.83E-06	3.33E-07
10205	471523.47	3820064.17	1.70E-05	7.15E-05	6.44E-06	1.42E-05	5.26E-05	4.62E-06	1.61E-06	9.21E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
10206	471519.71	3820073	1.70E-05	7.15E-05	6.43E-06	1.42E-05	5.25E-05	4.62E-06	1.61E-06	9.20E-06	1.10E-06	1.46E-06	4.82E-06	3.32E-07
10207	471515.95	3820081.83	1.70E-05	7.14E-05	6.43E-06	1.42E-05	5.24E-05	4.61E-06	1.60E-06	9.19E-06	1.10E-06	1.46E-06	4.81E-06	3.32E-07
10208	471512.19	3820090.66	1.70E-05	7.13E-05	6.42E-06	1.41E-05	5.24E-05	4.61E-06	1.60E-06	9.17E-06	1.09E-06	1.46E-06	4.80E-06	3.31E-07
10209	471508.43	3820099.49	1.70E-05	7.12E-05	6.41E-06	1.41E-05	5.23E-05	4.60E-06	1.60E-06	9.16E-06	1.09E-06	1.46E-06	4.80E-06	3.31E-07
10210	471504.67	3820108.32	1.69E-05	7.11E-05	6.40E-06	1.41E-05	5.22E-05	4.60E-06	1.60E-06	9.15E-06	1.09E-06	1.45E-06	4.79E-06	3.30E-07
10211	471500.9	3820117.15	1.69E-05	7.10E-05	6.39E-06	1.41E-05	5.22E-05	4.59E-06	1.60E-06	9.14E-06	1.09E-06	1.45E-06	4.78E-06	3.30E-07
10212	471497.14	3820125.98	1.69E-05	7.09E-05	6.38E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.12E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
10213	471493.38	3820134.81	1.69E-05	7.08E-05	6.37E-06	1.40E-05	5.20E-05	4.57E-06	1.59E-06	9.11E-06	1.09E-06	1.45E-06	4.77E-06	3.29E-07
10214	471489.62	3820143.64	1.68E-05	7.07E-05	6.36E-06	1.40E-05	5.19E-05	4.57E-06	1.59E-06	9.10E-06	1.09E-06	1.44E-06	4.76E-06	3.28E-07
10215	471485.86	3820152.47	1.68E-05	7.06E-05	6.35E-06	1.40E-05	5.19E-05	4.56E-06	1.59E-06	9.08E-06	1.08E-06	1.44E-06	4.76E-06	3.28E-07
10216	471482.1	3820161.3	1.68E-05	7.05E-05	6.35E-06	1.40E-05	5.18E-05	4.55E-06	1.58E-06	9.07E-06	1.08E-06	1.44E-06	4.75E-06	3.27E-07
10217	471478.34	3820170.13	1.68E-05	7.04E-05	6.34E-06	1.40E-05	5.17E-05	4.55E-06	1.58E-06	9.06E-06	1.08E-06	1.44E-06	4.74E-06	3.27E-07
10218	471474.58	3820178.96	1.67E-05	7.03E-05	6.33E-06	1.39E-05	5.16E-05	4.54E-06	1.58E-06	9.04E-06	1.08E-06	1.44E-06	4.74E-06	3.26E-07
10219	471470.82	3820187.79	1.67E-05	7.02E-05	6.32E-06	1.39E-05	5.16E-05	4.54E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
10220	471467.06	3820196.62	1.67E-05	7.01E-05	6.31E-06	1.39E-05	5.15E-05	4.53E-06	1.58E-06	9.02E-06	1.08E-06	1.43E-06	4.72E-06	3.26E-07
10221	471463.3	3820205.45	1.67E-05	7.00E-05	6.30E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.01E-06	1.07E-06	1.43E-06	4.72E-06	3.25E-07
10222	471459.54	3820214.28	1.66E-05	6.99E-05	6.29E-06	1.39E-05	5.13E-05	4.52E-06	1.57E-06	9.00E-06	1.07E-06	1.43E-06	4.71E-06	3.25E-07
10223	471455.78	3820223.12	1.66E-05	6.98E-05	6.28E-06	1.38E-05	5.13E-05	4.51E-06	1.57E-06	8.98E-06	1.07E-06	1.43E-06	4.70E-06	3.24E-07
10224	471452.02	3820231.95	1.66E-05	6.97E-05	6.27E-06	1.38E-05	5.12E-05	4.50E-06	1.57E-06	8.97E-06	1.07E-06	1.42E-06	4.70E-06	3.24E-07
10225	471448.26	3820240.78	1.66E-05	6.96E-05	6.26E-06	1.38E-05	5.11E-05	4.50E-06	1.56E-06	8.95E-06	1.07E-06	1.42E-06	4.69E-06	3.23E-07
10226	471444.49	3820249.61	1.65E-05	6.95E-05	6.26E-06	1.38E-05	5.11E-05	4.49E-06	1.56E-06	8.94E-06	1.07E-06	1.42E-06	4.68E-06	3.23E-07
10227	471440.73	3820258.44	1.65E-05	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.48E-06	1.56E-06	8.93E-06	1.07E-06	1.42E-06	4.68E-06	3.22E-07
10228	471436.97	3820267.27	1.65E-05	6.93E-05	6.24E-06	1.37E-05	5.09E-05	4.48E-06	1.56E-06	8.92E-06	1.06E-06	1.42E-06	4.67E-06	3.22E-07
10229	471433.21	3820276.1	1.65E-05	6.92E-05	6.23E-06	1.37E-05	5.09E-05	4.47E-06	1.56E-06	8.91E-06	1.06E-06	1.41E-06	4.67E-06	3.22E-07
10230	471429.45	3820284.93	1.65E-05	6.91E-05	6.22E-06	1.37E-05	5.08E-05	4.47E-06	1.55E-06	8.90E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
10231	471425.69	3820293.76	1.64E-05	6.90E-05	6.21E-06	1.37E-05	5.07E-05	4.46E-06	1.55E-06	8.88E-06	1.06E-06	1.41E-06	4.65E-06	3.21E-07
10232	471421.93	3820302.59	1.64E-05	6.89E-05	6.21E-06	1.37E-05	5.06E-05	4.45E-06	1.55E-06	8.87E-06	1.06E-06	1.41E-06	4.64E-06	3.20E-07
10233	471418.17	3820311.42	1.64E-05	6.88E-05	6.20E-06	1.36E-05	5.06E-05	4.45E-06	1.55E-06	8.86E-06	1.06E-06	1.41E-06	4.64E-06	3.20E-07
10234	471414.41	3820320.25	1.64E-05	6.87E-05	6.19E-06	1.36E-05	5.05E-05	4.44E-06	1.55E-06	8.85E-06	1.06E-06	1.40E-06	4.63E-06	3.19E-07
10235	471410.65	3820329.08	1.63E-05	6.86E-05	6.18E-06	1.36E-05	5.04E-05	4.44E-06	1.54E-06	8.84E-06	1.05E-06	1.40E-06	4.63E-06	3.19E-07
10236	471406.89	3820337.91	1.63E-05	6.85E-05	6.17E-06	1.36E-05	5.04E-05	4.43E-06	1.54E-06	8.82E-06	1.05E-06	1.40E-06	4.62E-06	3.18E-07
10237	471403.13	3820346.74	1.63E-05	6.85E-05	6.17E-06	1.36E-05	5.03E-05	4.43E-06	1.54E-06	8.81E-06	1.05E-06	1.40E-06	4.61E-06	3.18E-07
10238	471399.37	3820355.57	1.63E-05	6.84E-05	6.16E-06	1.36E-05	5.03E-05	4.42E-06	1.54E-06	8.81E-06	1.05E-06	1.40E-06	4.61E-06	3.18E-07
10239	471395.61	3820364.4	1.63E-05	6.83E-05	6.15E-06	1.35E-05	5.02E-05	4.42E-06	1.54E-06	8.79E-06	1.05E-06	1.40E-06	4.60E-06	3.17E-07
10240	471391.85	3820373.23	1.62E-05	6.82E-05	6.14E-06	1.35E-05	5.01E-05	4.41E-06	1.53E-06	8.78E-06	1.05E-06	1.39E-06	4.60E-06	3.17E-07
10241	471388.08	3820382.06	1.62E-05	6.81E-05	6.13E-06	1.35E-05	5.00E-05	4.40E-06	1.53E-06	8.77E-06	1.05E-06	1.39E-06	4.59E-06	3.16E-07
10242	471384.32	3820390.89	1.62E-05	6.80E-05	6.12E-06	1.35E-05	5.00E-05	4.39E-06	1.53E-06	8.75E-06	1.04E-06	1.39E-06	4.58E-06	3.16E-07
10243	471380.56	3820399.73	1.62E-05	6.79E-05	6.11E-06	1.35E-05	4.99E-05	4.39E-06	1.53E-06	8.74E-06	1.04E-06	1.39E-06	4.57E-06	3.15E-07
10244	471376.8	3820408.56	1.61E-05	6.77E-05	6.10E-06	1.34E-05	4.98E-05	4.38E-06	1.52E-06	8.72E-06	1.04E-06	1.38E-06	4.57E-06	3.15E-07

10245	471373.04	3820417.39	1.61E-05	6.76E-05	6.09E-06	1.34E-05	4.97E-05	4.37E-06	1.52E-06	8.70E-06	1.04E-06	1.38E-06	4.56E-06	3.14E-07
10246	471369.28	3820426.22	1.61E-05	6.75E-05	6.07E-06	1.34E-05	4.96E-05	4.36E-06	1.52E-06	8.68E-06	1.04E-06	1.38E-06	4.55E-06	3.13E-07
10247	471365.52	3820435.05	1.60E-05	6.73E-05	6.06E-06	1.34E-05	4.95E-05	4.35E-06	1.51E-06	8.67E-06	1.03E-06	1.38E-06	4.54E-06	3.13E-07
10248	471361.76	3820443.88	1.60E-05	6.72E-05	6.05E-06	1.33E-05	4.94E-05	4.34E-06	1.51E-06	8.65E-06	1.03E-06	1.37E-06	4.53E-06	3.12E-07
10249	471358	3820452.71	1.60E-05	6.70E-05	6.03E-06	1.33E-05	4.92E-05	4.33E-06	1.51E-06	8.63E-06	1.03E-06	1.37E-06	4.52E-06	3.11E-07
10250	471354.24	3820461.54	1.59E-05	6.68E-05	6.02E-06	1.33E-05	4.91E-05	4.32E-06	1.50E-06	8.61E-06	1.03E-06	1.37E-06	4.51E-06	3.11E-07
10251	471350.48	3820470.37	1.59E-05	6.67E-05	6.01E-06	1.32E-05	4.90E-05	4.31E-06	1.50E-06	8.58E-06	1.02E-06	1.36E-06	4.49E-06	3.10E-07
10252	471346.72	3820479.2	1.58E-05	6.65E-05	5.99E-06	1.32E-05	4.89E-05	4.30E-06	1.50E-06	8.56E-06	1.02E-06	1.36E-06	4.48E-06	3.09E-07
10253	471342.96	3820488.03	1.58E-05	6.63E-05	5.97E-06	1.32E-05	4.88E-05	4.29E-06	1.49E-06	8.54E-06	1.02E-06	1.36E-06	4.47E-06	3.08E-07
10254	471339.2	3820496.86	1.58E-05	6.62E-05	5.96E-06	1.31E-05	4.86E-05	4.28E-06	1.49E-06	8.52E-06	1.02E-06	1.35E-06	4.46E-06	3.07E-07
10255	471335.44	3820505.69	1.57E-05	6.60E-05	5.94E-06	1.31E-05	4.85E-05	4.26E-06	1.48E-06	8.49E-06	1.01E-06	1.35E-06	4.45E-06	3.06E-07
10256	471331.67	3820514.52	1.57E-05	6.58E-05	5.92E-06	1.30E-05	4.83E-05	4.25E-06	1.48E-06	8.46E-06	1.01E-06	1.34E-06	4.43E-06	3.06E-07
10257	471319	3820526.91	1.57E-05	6.59E-05	5.93E-06	1.31E-05	4.84E-05	4.26E-06	1.48E-06	8.48E-06	1.01E-06	1.35E-06	4.44E-06	3.06E-07
10258	471310.09	3820530.47	1.58E-05	6.62E-05	5.96E-06	1.31E-05	4.86E-05	4.28E-06	1.49E-06	8.52E-06	1.02E-06	1.35E-06	4.46E-06	3.08E-07
10259	471301.18	3820534.04	1.58E-05	6.65E-05	5.99E-06	1.32E-05	4.89E-05	4.30E-06	1.50E-06	8.56E-06	1.02E-06	1.36E-06	4.48E-06	3.09E-07
10260	471292.26	3820537.6	1.59E-05	6.68E-05	6.02E-06	1.33E-05	4.91E-05	4.32E-06	1.50E-06	8.60E-06	1.03E-06	1.37E-06	4.50E-06	3.11E-07
10261	471283.35	3820541.16	1.60E-05	6.72E-05	6.05E-06	1.33E-05	4.93E-05	4.34E-06	1.51E-06	8.64E-06	1.03E-06	1.37E-06	4.53E-06	3.12E-07
10262	471247.7	3820555.4	1.63E-05	6.83E-05	6.15E-06	1.35E-05	5.02E-05	4.42E-06	1.54E-06	8.79E-06	1.05E-06	1.40E-06	4.60E-06	3.17E-07
10263	471238.79	3820558.96	1.63E-05	6.86E-05	6.18E-06	1.36E-05	5.04E-05	4.43E-06	1.54E-06	8.83E-06	1.05E-06	1.40E-06	4.62E-06	3.19E-07
10264	471229.87	3820562.52	1.64E-05	6.88E-05	6.20E-06	1.37E-05	5.06E-05	4.45E-06	1.55E-06	8.86E-06	1.06E-06	1.41E-06	4.64E-06	3.20E-07
10265	471220.96	3820566.09	1.65E-05	6.91E-05	6.22E-06	1.37E-05	5.08E-05	4.47E-06	1.55E-06	8.90E-06	1.06E-06	1.41E-06	4.66E-06	3.21E-07
10266	471212.05	3820569.65	1.65E-05	6.94E-05	6.25E-06	1.38E-05	5.10E-05	4.48E-06	1.56E-06	8.93E-06	1.07E-06	1.42E-06	4.68E-06	3.22E-07
10267	471203.13	3820573.21	1.66E-05	6.96E-05	6.27E-06	1.38E-05	5.12E-05	4.50E-06	1.57E-06	8.96E-06	1.07E-06	1.42E-06	4.69E-06	3.24E-07
10268	471194.22	3820576.77	1.66E-05	6.99E-05	6.29E-06	1.39E-05	5.14E-05	4.52E-06	1.57E-06	9.00E-06	1.07E-06	1.43E-06	4.71E-06	3.25E-07
10269	471185.31	3820580.33	1.67E-05	7.02E-05	6.32E-06	1.39E-05	5.16E-05	4.54E-06	1.58E-06	9.03E-06	1.08E-06	1.43E-06	4.73E-06	3.26E-07
10270	471176.39	3820583.89	1.68E-05	7.04E-05	6.34E-06	1.40E-05	5.17E-05	4.55E-06	1.58E-06	9.06E-06	1.08E-06	1.44E-06	4.75E-06	3.27E-07
10271	471167.48	3820587.45	1.68E-05	7.07E-05	6.36E-06	1.40E-05	5.19E-05	4.57E-06	1.59E-06	9.10E-06	1.09E-06	1.44E-06	4.76E-06	3.28E-07
10272	471158.57	3820591.01	1.69E-05	7.09E-05	6.39E-06	1.41E-05	5.21E-05	4.58E-06	1.59E-06	9.13E-06	1.09E-06	1.45E-06	4.78E-06	3.29E-07
10273	471149.66	3820594.57	1.69E-05	7.12E-05	6.41E-06	1.41E-05	5.23E-05	4.60E-06	1.60E-06	9.16E-06	1.09E-06	1.45E-06	4.80E-06	3.31E-07
10274	471140.74	3820598.14	1.70E-05	7.14E-05	6.43E-06	1.42E-05	5.25E-05	4.62E-06	1.61E-06	9.19E-06	1.10E-06	1.46E-06	4.81E-06	3.32E-07
10275	471131.83	3820601.7	1.71E-05	7.17E-05	6.45E-06	1.42E-05	5.27E-05	4.63E-06	1.61E-06	9.23E-06	1.10E-06	1.47E-06	4.83E-06	3.33E-07
10276	471122.92	3820605.26	1.71E-05	7.19E-05	6.48E-06	1.43E-05	5.29E-05	4.65E-06	1.62E-06	9.26E-06	1.10E-06	1.47E-06	4.85E-06	3.34E-07
10277	471114	3820608.82	1.72E-05	7.22E-05	6.50E-06	1.43E-05	5.31E-05	4.67E-06	1.62E-06	9.29E-06	1.11E-06	1.48E-06	4.87E-06	3.35E-07
10278	471105.09	3820612.38	1.73E-05	7.25E-05	6.53E-06	1.44E-05	5.33E-05	4.69E-06	1.63E-06	9.33E-06	1.11E-06	1.48E-06	4.89E-06	3.37E-07
10279	471096.18	3820615.94	1.73E-05	7.28E-05	6.55E-06	1.44E-05	5.35E-05	4.70E-06	1.64E-06	9.37E-06	1.12E-06	1.49E-06	4.90E-06	3.38E-07
10280	471087.27	3820619.5	1.74E-05	7.31E-05	6.58E-06	1.45E-05	5.37E-05	4.72E-06	1.64E-06	9.40E-06	1.12E-06	1.49E-06	4.92E-06	3.39E-07
10281	471078.35	3820623.06	1.75E-05	7.34E-05	6.61E-06	1.45E-05	5.39E-05	4.74E-06	1.65E-06	9.44E-06	1.13E-06	1.50E-06	4.94E-06	3.41E-07
10282	471069.44	3820626.62	1.75E-05	7.37E-05	6.63E-06	1.46E-05	5.41E-05	4.76E-06	1.66E-06	9.48E-06	1.13E-06	1.51E-06	4.96E-06	3.42E-07
10283	471060.53	3820630.19	1.76E-05	7.40E-05	6.66E-06	1.47E-05	5.43E-05	4.78E-06	1.66E-06	9.52E-06	1.14E-06	1.51E-06	4.99E-06	3.44E-07
10284	471051.61	3820633.75	1.77E-05	7.43E-05	6.69E-06	1.47E-05	5.46E-05	4.80E-06	1.67E-06	9.56E-06	1.14E-06	1.52E-06	5.01E-06	3.45E-07
10285	471042.7	3820637.31	1.78E-05	7.46E-05	6.72E-06	1.48E-05	5.48E-05	4.82E-06	1.68E-06	9.60E-06	1.15E-06	1.52E-06	5.03E-06	3.47E-07
10286	471033.79	3820640.87	1.78E-05	7.49E-05	6.75E-06	1.49E-05	5.51E-05	4.84E-06	1.68E-06	9.65E-06	1.15E-06	1.53E-06	5.05E-06	3.48E-07

10287	471024.88	3820644.43	1.79E-05	7.53E-05	6.78E-06	1.49E-05	5.53E-05	4.87E-06	1.69E-06	9.69E-06	1.16E-06	1.54E-06	5.07E-06	3.50E-07
10288	471015.96	3820647.99	1.80E-05	7.57E-05	6.82E-06	1.50E-05	5.56E-05	4.89E-06	1.70E-06	9.74E-06	1.16E-06	1.55E-06	5.10E-06	3.52E-07
10289	471007.05	3820651.55	1.81E-05	7.61E-05	6.85E-06	1.51E-05	5.59E-05	4.92E-06	1.71E-06	9.79E-06	1.17E-06	1.56E-06	5.13E-06	3.54E-07
10290	470998.14	3820655.11	1.82E-05	7.65E-05	6.89E-06	1.52E-05	5.62E-05	4.94E-06	1.72E-06	9.85E-06	1.17E-06	1.56E-06	5.16E-06	3.55E-07
10291	470989.22	3820658.67	1.83E-05	7.69E-05	6.93E-06	1.53E-05	5.65E-05	4.97E-06	1.73E-06	9.90E-06	1.18E-06	1.57E-06	5.19E-06	3.57E-07
10292	470980.31	3820662.24	1.84E-05	7.74E-05	6.97E-06	1.54E-05	5.69E-05	5.00E-06	1.74E-06	9.96E-06	1.19E-06	1.58E-06	5.22E-06	3.60E-07
10293	470900.1	3820694.29	1.97E-05	8.29E-05	7.47E-06	1.64E-05	6.09E-05	5.36E-06	1.86E-06	1.07E-05	1.27E-06	1.69E-06	5.59E-06	3.85E-07
10294	470891.18	3820697.85	1.99E-05	8.36E-05	7.53E-06	1.66E-05	6.14E-05	5.41E-06	1.88E-06	1.08E-05	1.28E-06	1.71E-06	5.64E-06	3.89E-07
10295	470882.27	3820701.41	2.01E-05	8.43E-05	7.60E-06	1.67E-05	6.20E-05	5.45E-06	1.90E-06	1.09E-05	1.30E-06	1.72E-06	5.69E-06	3.92E-07
10296	470873.36	3820704.97	2.03E-05	8.51E-05	7.66E-06	1.69E-05	6.25E-05	5.50E-06	1.91E-06	1.10E-05	1.31E-06	1.74E-06	5.74E-06	3.95E-07
10297	470864.44	3820708.53	2.04E-05	8.59E-05	7.73E-06	1.70E-05	6.31E-05	5.55E-06	1.93E-06	1.11E-05	1.32E-06	1.76E-06	5.79E-06	3.99E-07
10298	470855.53	3820712.09	2.06E-05	8.66E-05	7.80E-06	1.72E-05	6.37E-05	5.60E-06	1.95E-06	1.12E-05	1.33E-06	1.77E-06	5.84E-06	4.03E-07
10299	470846.62	3820715.65	2.08E-05	8.74E-05	7.87E-06	1.73E-05	6.42E-05	5.65E-06	1.97E-06	1.13E-05	1.34E-06	1.79E-06	5.89E-06	4.06E-07
10300	470837.71	3820719.21	2.10E-05	8.83E-05	7.95E-06	1.75E-05	6.49E-05	5.71E-06	1.98E-06	1.14E-05	1.36E-06	1.80E-06	5.95E-06	4.10E-07
10301	470828.79	3820722.77	2.12E-05	8.91E-05	8.02E-06	1.77E-05	6.55E-05	5.76E-06	2.00E-06	1.15E-05	1.37E-06	1.82E-06	6.01E-06	4.14E-07
10302	470819.88	3820726.34	2.14E-05	8.99E-05	8.10E-06	1.78E-05	6.61E-05	5.81E-06	2.02E-06	1.16E-05	1.38E-06	1.84E-06	6.06E-06	4.18E-07
10303	470810.97	3820729.9	2.16E-05	9.07E-05	8.17E-06	1.80E-05	6.66E-05	5.86E-06	2.04E-06	1.17E-05	1.39E-06	1.85E-06	6.11E-06	4.21E-07
10304	470802.05	3820733.46	2.18E-05	9.15E-05	8.24E-06	1.81E-05	6.72E-05	5.91E-06	2.06E-06	1.18E-05	1.41E-06	1.87E-06	6.17E-06	4.25E-07
10305	470793.14	3820737.02	2.20E-05	9.22E-05	8.31E-06	1.83E-05	6.78E-05	5.96E-06	2.07E-06	1.19E-05	1.42E-06	1.89E-06	6.22E-06	4.29E-07
10306	470784.23	3820740.58	2.21E-05	9.30E-05	8.37E-06	1.84E-05	6.83E-05	6.01E-06	2.09E-06	1.20E-05	1.43E-06	1.90E-06	6.27E-06	4.32E-07
10307	470775.32	3820744.14	2.23E-05	9.37E-05	8.43E-06	1.86E-05	6.88E-05	6.05E-06	2.11E-06	1.21E-05	1.44E-06	1.91E-06	6.31E-06	4.35E-07
10308	470766.4	3820747.7	2.25E-05	9.44E-05	8.50E-06	1.87E-05	6.93E-05	6.10E-06	2.12E-06	1.21E-05	1.45E-06	1.93E-06	6.36E-06	4.38E-07
10309	470757.49	3820751.26	2.27E-05	9.51E-05	8.57E-06	1.89E-05	6.99E-05	6.15E-06	2.14E-06	1.22E-05	1.46E-06	1.94E-06	6.41E-06	4.42E-07
10310	470748.58	3820754.82	2.28E-05	9.59E-05	8.64E-06	1.90E-05	7.05E-05	6.20E-06	2.16E-06	1.23E-05	1.47E-06	1.96E-06	6.46E-06	4.46E-07
10311	470739.66	3820758.39	2.30E-05	9.67E-05	8.71E-06	1.92E-05	7.10E-05	6.25E-06	2.17E-06	1.24E-05	1.48E-06	1.98E-06	6.52E-06	4.49E-07
10312	470730.75	3820761.95	2.32E-05	9.75E-05	8.78E-06	1.93E-05	7.16E-05	6.30E-06	2.19E-06	1.25E-05	1.50E-06	1.99E-06	6.57E-06	4.53E-07
10313	470721.84	3820765.51	2.34E-05	9.83E-05	8.85E-06	1.95E-05	7.22E-05	6.35E-06	2.21E-06	1.26E-05	1.51E-06	2.01E-06	6.62E-06	4.57E-07
10314	470712.93	3820769.07	2.36E-05	9.90E-05	8.92E-06	1.96E-05	7.28E-05	6.40E-06	2.23E-06	1.27E-05	1.52E-06	2.02E-06	6.68E-06	4.60E-07
10315	470704.01	3820772.63	2.38E-05	9.98E-05	8.99E-06	1.98E-05	7.33E-05	6.45E-06	2.24E-06	1.28E-05	1.53E-06	2.04E-06	6.73E-06	4.64E-07
10316	470695.1	3820776.19	2.39E-05	1.01E-04	9.05E-06	1.99E-05	7.39E-05	6.50E-06	2.26E-06	1.29E-05	1.54E-06	2.05E-06	6.77E-06	4.67E-07
10317	470686.19	3820779.75	2.41E-05	1.01E-04	9.11E-06	2.01E-05	7.44E-05	6.54E-06	2.28E-06	1.30E-05	1.55E-06	2.07E-06	6.82E-06	4.70E-07
10318	470677.27	3820783.31	2.43E-05	1.02E-04	9.18E-06	2.02E-05	7.49E-05	6.59E-06	2.29E-06	1.31E-05	1.57E-06	2.08E-06	6.87E-06	4.73E-07
10319	470668.36	3820786.87	2.44E-05	1.03E-04	9.23E-06	2.03E-05	7.54E-05	6.63E-06	2.31E-06	1.32E-05	1.58E-06	2.10E-06	6.91E-06	4.76E-07
10320	470659.45	3820790.44	2.46E-05	1.03E-04	9.29E-06	2.05E-05	7.58E-05	6.67E-06	2.32E-06	1.33E-05	1.58E-06	2.11E-06	6.95E-06	4.79E-07
10321	470650.54	3820794	2.47E-05	1.04E-04	9.34E-06	2.06E-05	7.62E-05	6.71E-06	2.33E-06	1.34E-05	1.59E-06	2.12E-06	6.99E-06	4.82E-07
10322	470641.62	3820797.56	2.48E-05	1.04E-04	9.40E-06	2.07E-05	7.67E-05	6.74E-06	2.35E-06	1.34E-05	1.60E-06	2.13E-06	7.03E-06	4.85E-07
10323	470632.71	3820801.12	2.50E-05	1.05E-04	9.45E-06	2.08E-05	7.71E-05	6.78E-06	2.36E-06	1.35E-05	1.61E-06	2.14E-06	7.07E-06	4.87E-07
10324	470623.8	3820804.68	2.51E-05	1.05E-04	9.49E-06	2.09E-05	7.74E-05	6.81E-06	2.37E-06	1.36E-05	1.62E-06	2.15E-06	7.10E-06	4.90E-07
10325	470614.88	3820808.24	2.52E-05	1.06E-04	9.54E-06	2.10E-05	7.78E-05	6.84E-06	2.38E-06	1.36E-05	1.63E-06	2.16E-06	7.14E-06	4.92E-07
10326	470605.97	3820811.8	2.53E-05	1.06E-04	9.58E-06	2.11E-05	7.81E-05	6.87E-06	2.39E-06	1.37E-05	1.63E-06	2.17E-06	7.17E-06	4.94E-07
10327	470597.06	3820815.36	2.54E-05	1.07E-04	9.62E-06	2.12E-05	7.85E-05	6.90E-06	2.40E-06	1.37E-05	1.64E-06	2.18E-06	7.20E-06	4.96E-07
10328	470588.15	3820818.92	2.55E-05	1.07E-04	9.65E-06	2.13E-05	7.87E-05	6.93E-06	2.41E-06	1.38E-05	1.65E-06	2.19E-06	7.22E-06	4.98E-07

10329	470579.23	3820822.49	2.56E-05	1.08E-04	9.68E-06	2.13E-05	7.90E-05	6.95E-06	2.42E-06	1.38E-05	1.65E-06	2.20E-06	7.25E-06	5.00E-07
10330	470570.32	3820826.05	2.57E-05	1.08E-04	9.71E-06	2.14E-05	7.92E-05	6.97E-06	2.42E-06	1.39E-05	1.66E-06	2.20E-06	7.27E-06	5.01E-07
10331	470561.41	3820829.61	2.58E-05	1.08E-04	9.74E-06	2.14E-05	7.95E-05	6.99E-06	2.43E-06	1.39E-05	1.66E-06	2.21E-06	7.29E-06	5.02E-07
10332	470552.49	3820833.17	2.58E-05	1.08E-04	9.77E-06	2.15E-05	7.97E-05	7.01E-06	2.44E-06	1.40E-05	1.67E-06	2.22E-06	7.31E-06	5.04E-07
10333	470490.1	3820858.1	2.62E-05	1.10E-04	9.91E-06	2.18E-05	8.08E-05	7.11E-06	2.47E-06	1.42E-05	1.69E-06	2.25E-06	7.41E-06	5.11E-07
10334	470481.19	3820861.66	2.62E-05	1.10E-04	9.92E-06	2.18E-05	8.09E-05	7.12E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.42E-06	5.12E-07
10335	470472.28	3820865.22	2.62E-05	1.10E-04	9.93E-06	2.19E-05	8.10E-05	7.12E-06	2.48E-06	1.42E-05	1.69E-06	2.25E-06	7.43E-06	5.12E-07
10336	470463.37	3820868.78	2.63E-05	1.10E-04	9.94E-06	2.19E-05	8.11E-05	7.13E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.44E-06	5.13E-07
10337	470454.45	3820872.34	2.63E-05	1.11E-04	9.95E-06	2.19E-05	8.12E-05	7.14E-06	2.48E-06	1.42E-05	1.70E-06	2.26E-06	7.45E-06	5.13E-07
10338	470445.54	3820875.9	2.64E-05	1.11E-04	9.97E-06	2.19E-05	8.13E-05	7.15E-06	2.49E-06	1.42E-05	1.70E-06	2.26E-06	7.46E-06	5.14E-07
10339	470436.63	3820879.46	2.64E-05	1.11E-04	9.98E-06	2.20E-05	8.14E-05	7.16E-06	2.49E-06	1.43E-05	1.70E-06	2.26E-06	7.47E-06	5.15E-07
10340	470427.71	3820883.02	2.64E-05	1.11E-04	9.99E-06	2.20E-05	8.15E-05	7.17E-06	2.49E-06	1.43E-05	1.70E-06	2.27E-06	7.48E-06	5.15E-07
10341	470418.8	3820886.58	2.64E-05	1.11E-04	1.00E-05	2.20E-05	8.16E-05	7.18E-06	2.50E-06	1.43E-05	1.71E-06	2.27E-06	7.49E-06	5.16E-07
10342	470392.06	3820897.27	2.66E-05	1.12E-04	1.00E-05	2.21E-05	8.19E-05	7.21E-06	2.51E-06	1.44E-05	1.71E-06	2.28E-06	7.52E-06	5.18E-07
10343	470383.15	3820900.83	2.66E-05	1.12E-04	1.01E-05	2.22E-05	8.21E-05	7.22E-06	2.51E-06	1.44E-05	1.72E-06	2.28E-06	7.53E-06	5.19E-07
10344	470374.24	3820904.39	2.66E-05	1.12E-04	1.01E-05	2.22E-05	8.22E-05	7.23E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.54E-06	5.20E-07
10345	470365.32	3820907.95	2.67E-05	1.12E-04	1.01E-05	2.22E-05	8.24E-05	7.25E-06	2.52E-06	1.44E-05	1.72E-06	2.29E-06	7.56E-06	5.21E-07
10346	470356.41	3820911.51	2.68E-05	1.12E-04	1.01E-05	2.23E-05	8.25E-05	7.26E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.57E-06	5.22E-07
10347	470347.5	3820915.07	2.68E-05	1.13E-04	1.01E-05	2.23E-05	8.28E-05	7.28E-06	2.53E-06	1.45E-05	1.73E-06	2.30E-06	7.59E-06	5.23E-07
10348	470338.59	3820918.63	2.69E-05	1.13E-04	1.02E-05	2.24E-05	8.30E-05	7.30E-06	2.54E-06	1.45E-05	1.73E-06	2.31E-06	7.61E-06	5.25E-07
10349	470329.67	3820922.2	2.70E-05	1.13E-04	1.02E-05	2.25E-05	8.32E-05	7.32E-06	2.55E-06	1.46E-05	1.74E-06	2.31E-06	7.63E-06	5.26E-07
10350	470320.76	3820925.76	2.70E-05	1.14E-04	1.02E-05	2.25E-05	8.34E-05	7.34E-06	2.55E-06	1.46E-05	1.74E-06	2.32E-06	7.65E-06	5.28E-07
10351	470311.85	3820929.32	2.71E-05	1.14E-04	1.03E-05	2.26E-05	8.37E-05	7.36E-06	2.56E-06	1.47E-05	1.75E-06	2.33E-06	7.68E-06	5.29E-07
10352	470302.93	3820932.88	2.72E-05	1.14E-04	1.03E-05	2.27E-05	8.40E-05	7.39E-06	2.57E-06	1.47E-05	1.76E-06	2.34E-06	7.70E-06	5.31E-07
10353	470294.02	3820936.44	2.73E-05	1.15E-04	1.03E-05	2.27E-05	8.43E-05	7.41E-06	2.58E-06	1.48E-05	1.76E-06	2.34E-06	7.73E-06	5.33E-07
10354	470285.11	3820940	2.74E-05	1.15E-04	1.04E-05	2.28E-05	8.45E-05	7.44E-06	2.59E-06	1.48E-05	1.77E-06	2.35E-06	7.75E-06	5.35E-07
10355	470276.2	3820943.56	2.75E-05	1.15E-04	1.04E-05	2.29E-05	8.49E-05	7.46E-06	2.60E-06	1.49E-05	1.77E-06	2.36E-06	7.78E-06	5.37E-07
10356	470267.28	3820947.12	2.76E-05	1.16E-04	1.04E-05	2.30E-05	8.52E-05	7.49E-06	2.61E-06	1.49E-05	1.78E-06	2.37E-06	7.81E-06	5.38E-07
10357	471779.19	3819463.69	1.35E-05	5.67E-05	5.10E-06	1.12E-05	4.16E-05	3.66E-06	1.27E-06	7.29E-06	8.70E-07	1.16E-06	3.82E-06	2.63E-07
10358	471779.28	3819454.04	1.35E-05	5.65E-05	5.09E-06	1.12E-05	4.15E-05	3.65E-06	1.27E-06	7.28E-06	8.68E-07	1.16E-06	3.81E-06	2.63E-07
10359	471779.36	3819444.39	1.34E-05	5.64E-05	5.08E-06	1.12E-05	4.14E-05	3.64E-06	1.27E-06	7.26E-06	8.66E-07	1.15E-06	3.80E-06	2.62E-07
10360	471779.44	3819434.75	1.34E-05	5.62E-05	5.06E-06	1.11E-05	4.13E-05	3.63E-06	1.26E-06	7.23E-06	8.63E-07	1.15E-06	3.79E-06	2.61E-07
10361	471779.53	3819425.1	1.33E-05	5.60E-05	5.04E-06	1.11E-05	4.12E-05	3.62E-06	1.26E-06	7.21E-06	8.60E-07	1.15E-06	3.78E-06	2.60E-07
10362	471779.61	3819415.45	1.33E-05	5.58E-05	5.03E-06	1.11E-05	4.10E-05	3.61E-06	1.26E-06	7.19E-06	8.57E-07	1.14E-06	3.76E-06	2.59E-07
10363	471779.69	3819405.8	1.32E-05	5.56E-05	5.01E-06	1.10E-05	4.09E-05	3.60E-06	1.25E-06	7.16E-06	8.54E-07	1.14E-06	3.75E-06	2.58E-07
10364	471779.77	3819396.15	1.32E-05	5.54E-05	4.99E-06	1.10E-05	4.07E-05	3.58E-06	1.25E-06	7.13E-06	8.50E-07	1.13E-06	3.73E-06	2.57E-07
10365	471779.86	3819386.51	1.31E-05	5.51E-05	4.96E-06	1.09E-05	4.05E-05	3.56E-06	1.24E-06	7.10E-06	8.47E-07	1.13E-06	3.72E-06	2.56E-07
10366	471779.94	3819376.86	1.31E-05	5.49E-05	4.94E-06	1.09E-05	4.03E-05	3.55E-06	1.23E-06	7.06E-06	8.43E-07	1.12E-06	3.70E-06	2.55E-07
10367	471780.02	3819367.21	1.30E-05	5.46E-05	4.92E-06	1.08E-05	4.01E-05	3.53E-06	1.23E-06	7.03E-06	8.39E-07	1.12E-06	3.68E-06	2.54E-07
10368	471780.1	3819357.56	1.29E-05	5.43E-05	4.89E-06	1.08E-05	3.99E-05	3.51E-06	1.22E-06	6.99E-06	8.34E-07	1.11E-06	3.66E-06	2.52E-07
10369	471780.19	3819347.91	1.29E-05	5.40E-05	4.86E-06	1.07E-05	3.97E-05	3.49E-06	1.21E-06	6.95E-06	8.30E-07	1.10E-06	3.64E-06	2.51E-07
10370	471780.27	3819338.26	1.28E-05	5.37E-05	4.84E-06	1.07E-05	3.95E-05	3.47E-06	1.21E-06	6.91E-06	8.25E-07	1.10E-06	3.62E-06	2.49E-07

10371	471780.35	3819328.62	1.27E-05	5.34E-05	4.81E-06	1.06E-05	3.92E-05	3.45E-06	1.20E-06	6.87E-06	8.20E-07	1.09E-06	3.60E-06	2.48E-07
10372	471780.44	3819318.97	1.26E-05	5.30E-05	4.78E-06	1.05E-05	3.90E-05	3.43E-06	1.19E-06	6.83E-06	8.15E-07	1.08E-06	3.57E-06	2.46E-07
10373	471780.52	3819309.32	1.25E-05	5.27E-05	4.74E-06	1.04E-05	3.87E-05	3.40E-06	1.18E-06	6.78E-06	8.09E-07	1.08E-06	3.55E-06	2.45E-07
10374	471780.6	3819299.67	1.25E-05	5.23E-05	4.71E-06	1.04E-05	3.84E-05	3.38E-06	1.18E-06	6.73E-06	8.03E-07	1.07E-06	3.52E-06	2.43E-07
10375	471780.68	3819290.02	1.24E-05	5.19E-05	4.67E-06	1.03E-05	3.81E-05	3.35E-06	1.17E-06	6.68E-06	7.97E-07	1.06E-06	3.50E-06	2.41E-07
10376	471780.77	3819280.38	1.23E-05	5.15E-05	4.64E-06	1.02E-05	3.78E-05	3.33E-06	1.16E-06	6.63E-06	7.91E-07	1.05E-06	3.47E-06	2.39E-07
10377	471780.85	3819270.73	1.22E-05	5.11E-05	4.60E-06	1.01E-05	3.75E-05	3.30E-06	1.15E-06	6.57E-06	7.84E-07	1.04E-06	3.44E-06	2.37E-07
10378	471780.93	3819261.08	1.21E-05	5.06E-05	4.56E-06	1.00E-05	3.72E-05	3.27E-06	1.14E-06	6.52E-06	7.78E-07	1.04E-06	3.41E-06	2.35E-07
10379	470104.7	3819448.4	2.76E-03	1.16E-02	1.04E-03	2.30E-03	8.51E-03	7.49E-04	2.60E-04	1.49E-03	1.78E-04	2.37E-04	7.80E-04	5.38E-05
10380	470108.95	3819236.14	1.51E-03	6.36E-03	5.72E-04	1.26E-03	4.67E-03	4.11E-04	1.43E-04	8.18E-04	9.76E-05	1.30E-04	4.28E-04	2.95E-05
10381	470281.07	3819238.57	2.53E-03	1.06E-02	9.58E-04	2.11E-03	7.82E-03	6.88E-04	2.39E-04	1.37E-03	1.63E-04	2.17E-04	7.17E-04	4.94E-05
10382	470279.25	3819450.83	3.23E-03	1.36E-02	1.22E-03	2.69E-03	9.96E-03	8.76E-04	3.05E-04	1.74E-03	2.08E-04	2.77E-04	9.13E-04	6.30E-05

PM 10				
Tons/Yr	T2	T3	T4i	T4f
Year 1	0.02155	0.01795	0.002035	0.00185
Year 2	0.0905	0.0665	0.01165	0.0061
Year 3	0.00815	0.00585	0.00139	0.000421
Year 4	0	0	0	0

PM 10				
Lbs /Yr	T2	T3	T4i	T4f
Year 1	43.1	35.9	4.07	3.7
Year 2	181	133	23.3	12.2
Year 3	16.3	11.7	2.78	0.841
Year 4	0	0	0	0

PM 10				
% Chng	T2	T3	T4i	T4f
Year 1	100%	83%	9%	9%
Year 2	100%	73%	13%	7%
Year 3	100%	72%	17%	5%
Year 4	0%	0%	0%	0%

HARP Adjustment						
24	X	7	X	52	=	3.88
9		5		50		

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 1/11/2026
** File: D:\LSA\2025\20242046\Construction\Construction.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE D:\LSA\2025\20242046\Construction\Construction.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 134810 Victorville
   POLLUTID OTHER
   RUNORNOT RUN
   ERRORFIL Construction.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION CONST        AREAPOLY   470128.163  3819427.626      899.000
** Source Parameters **
   SRCPARAM CONST        0.0000378593     3.048         7
   AREAVERT CONST        470128.163 3819427.626 470128.481 3819315.235
   AREAVERT CONST        470124.671 3819300.313 470125.306 3819241.577
   AREAVERT CONST        470271.351 3819243.164 470268.811 3819342.539
   AREAVERT CONST        470266.589 3819429.531
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Const"
** WeekDays:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT CONST        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   SRCGROUP CONST    CONST
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED Construction.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\723825RR.SFC
   PROFFILE ..\723825RR.PFL
   SURFDATA 23131 2010
   UAIRDATA 3120 2010
   PROFBASE 860.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 CONST 1ST Construction.AD\01H1G001.PLT 31
   PLOTFILE PERIOD CONST Construction.AD\PE00G001.PLT 32
   SUMMFILE Construction.sum
OU FINISHED

 *********************************
 *** SETUP Finishes Successfully ***
 *********************************
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

- -

** Model Options Selected:
* Model Uses Regulatory DEFAULT Options
* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 1 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 134810.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* CCVR_Sub - Meteorological data includes CCVR substitutions
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Assumes No FLAGPOLE Receptor Heights.
* The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10382 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 1 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:
Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 860.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

```
**Approximate Storage Requirements of Model =      4.7 MB of RAM.

**Input Runstream File:          aermod.inp
**Output Print File:             aermod.out

**Detailed Error/Message File:   Construction.err
**File for Summary of Results:   Construction.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
CONST	0	0.37859E-04	470128.2	3819427.6	899.0	3.05	7	0.00	YES	HRDOW	NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
CONST	CONST ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	134810.	CONST ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = CONST ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\723825RR.SFC Met Version: 14134
Profile file: ..\723825RR.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23131 Upper air station no.: 3120
Name: UNKNOWN Name: UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	12	15	349	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	1.00	999.00	999.	-9.0	999.0	-9.0
10	12	15	349	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	1.00	999.00	999.	-9.0	999.0	-9.0
10	12	15	349	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	1.00	999.00	999.	-9.0	999.0	-9.0
10	12	15	349	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	1.00	999.00	999.	-9.0	999.0	-9.0
10	12	15	349	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	1.00	999.00	999.	-9.0	999.0	-9.0
10	12	15	349	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	1.00	999.00	999.	-9.0	999.0	-9.0
10	12	15	349	07	-45.5	0.446	-9.000	-9.000	-999.	714.	158.3	0.28	1.40	1.00	4.36	176.	10.0	281.1	2.0
10	12	15	349	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	0.49	999.00	999.	-9.0	282.6	2.0
10	12	15	349	09	44.5	0.452	-9.000	-9.000	-999.	729.	-168.5	0.27	1.40	0.30	3.86	263.	10.0	284.1	2.0
10	12	15	349	10	94.2	0.570	-9.000	-9.000	-999.	1032.	-160.1	0.27	1.40	0.24	4.86	267.	10.0	285.1	2.0
10	12	15	349	11	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	0.21	999.00	999.	-9.0	999.0	-9.0
10	12	15	349	12	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	0.20	999.00	999.	-9.0	999.0	-9.0
10	12	15	349	13	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	0.21	999.00	999.	-9.0	999.0	-9.0
10	12	15	349	14	113.3	0.795	-9.000	-9.000	-999.	1700.	-359.2	0.27	1.40	0.22	6.96	256.	10.0	286.1	2.0
10	12	15	349	15	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	0.26	999.00	999.	-9.0	999.0	-9.0
10	12	15	349	16	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	0.37	999.00	999.	-9.0	999.0	-9.0
10	12	15	349	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	0.71	999.00	999.	-9.0	999.0	-9.0
10	12	15	349	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	1.00	999.00	999.	-9.0	999.0	-9.0
10	12	15	349	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	1.00	999.00	999.	-9.0	999.0	-9.0
10	12	15	349	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	1.00	999.00	999.	-9.0	999.0	-9.0
10	12	15	349	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	1.00	999.00	999.	-9.0	999.0	-9.0
10	12	15	349	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	1.00	999.00	999.	-9.0	999.0	-9.0
10	12	15	349	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	1.00	999.00	999.	-9.0	999.0	-9.0
10	12	15	349	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.28	1.40	1.00	999.00	999.	-9.0	999.0	-9.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	12	15	01	10.0	1	-999.	-99.00	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE SUMMARY OF MAXIMUM PERIOD (26760 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
CONST	1ST HIGHEST VALUE IS	6.70750 AT (470279.25, 3819450.83, 897.00, 897.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	6.45797 AT (470309.99, 3819364.25, 898.00, 898.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	6.44092 AT (470309.91, 3819373.90, 898.00, 898.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	6.43188 AT (470310.08, 3819354.61, 898.00, 898.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	6.36907 AT (470310.16, 3819344.96, 898.01, 898.01, 0.00)	DC	
	6TH HIGHEST VALUE IS	6.36827 AT (470309.83, 3819383.55, 897.83, 897.83, 0.00)	DC	
	7TH HIGHEST VALUE IS	6.27209 AT (470310.24, 3819335.31, 898.11, 898.11, 0.00)	DC	
	8TH HIGHEST VALUE IS	6.23993 AT (470309.75, 3819393.20, 897.62, 897.62, 0.00)	DC	
	9TH HIGHEST VALUE IS	6.13564 AT (470310.32, 3819325.66, 898.22, 898.22, 0.00)	DC	
	10TH HIGHEST VALUE IS	6.05111 AT (470309.66, 3819402.85, 897.41, 897.41, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
CONST	HIGH 1ST HIGH VALUE IS	642.25068	ON 11012007: AT (470185.73, 3819217.22, 900.00, 900.00, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   0 Warning Message(s)
A Total of   7221 Informational Message(s)

A Total of   26760 Hours Were Processed

A Total of   3453 Calm Hours Identified

A Total of   3768 Missing Hours Identified (14.08 Percent)

CAUTION!: Number of Missing Hours Exceeds 10 Percent of Total!
           Data May Not Be Acceptable for Regulatory Applications.
           See Section 5.3.2 of "Meteorological Monitoring Guidance
           for Regulatory Modeling Applications" (EPA-454/R-99-005).

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
              *** NONE ***

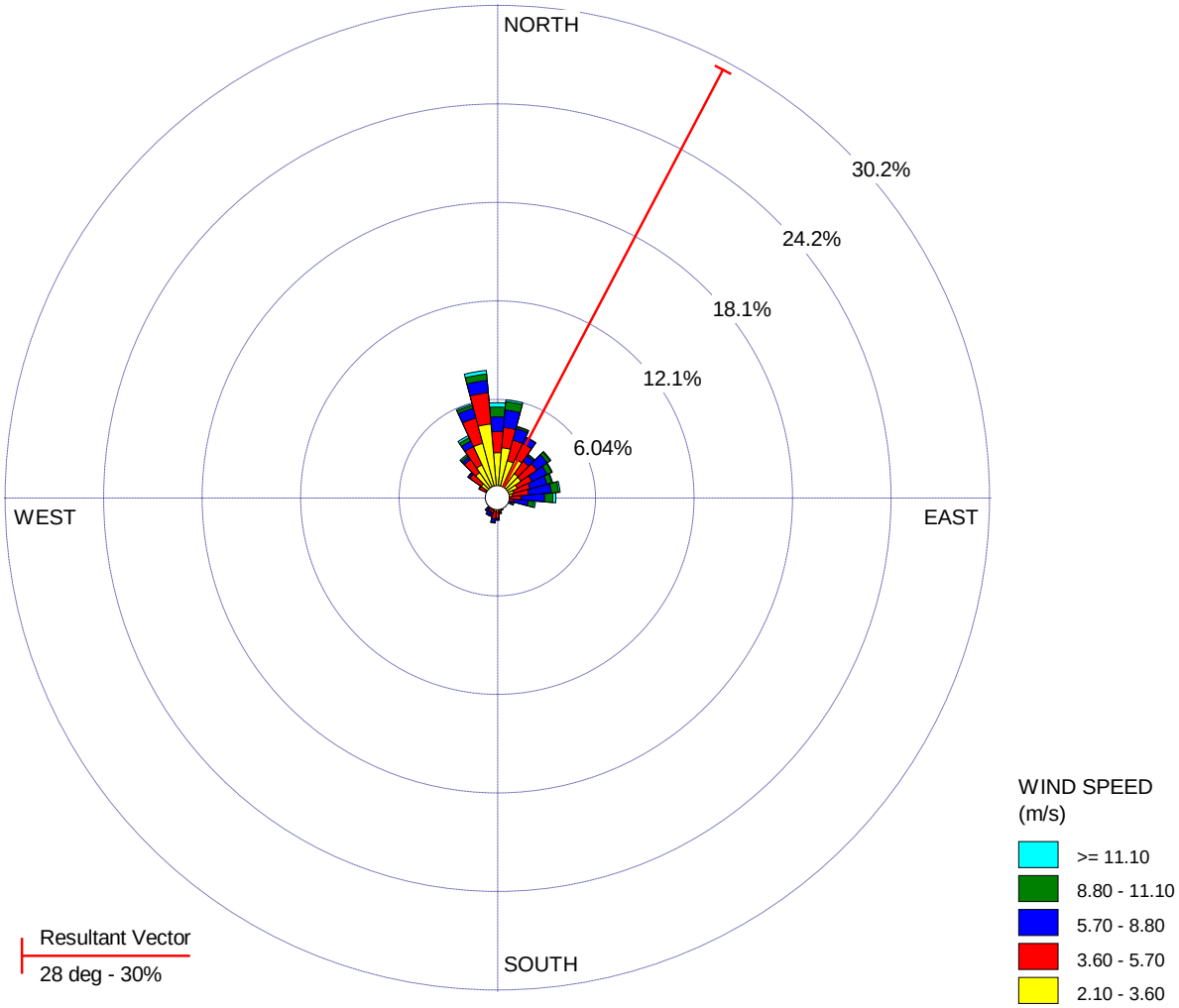
   ****
   *** AERMOD Finishes Successfully ***
   ****

WIND ROSE PLOT:

Station #23131
SOUTHERN CALIFORNIA LOGISTICS AIRPORT

DISPLAY:

Wind Speed
Flow Vector (blowing to)



COMMENTS:	DATA PERIOD: **Start Date: 12/15/2010 - 01:00** **End Date: 1/2/2014 - 23:59**	COMPANY NAME: **LSA**	
		MODELER:	
	CALM WINDS: **12.90%**	TOTAL COUNT: **26099 hrs.**	
	AVG. WIND SPEED: **3.85 m/s**	DATE: **1/12/2026**	PROJECT NO.:

HARP2 - HRACalc (dated 22118) 1/11/2026 4:20:45 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 1
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Resident_Year1_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Resident_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Resident_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Resident_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Resident_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Resident_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 1/11/2026 4:24:37 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 1
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 1
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Resident_Year2_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Resident_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Resident_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Resident_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Resident_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Resident_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 2
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 1
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Resident_Year3_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Resident_Year3_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Resident_Year3_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Resident_Year3_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Resident_Year3_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Resident_Year3_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 1/11/2026 4:41:17 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 1
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Worker_Year1_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Worker_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Worker_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Worker_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Worker_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Worker_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 1/11/2026 6:22:19 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 17
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 1
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Worker_Year2_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Worker_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Worker_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Worker_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Worker_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Worker_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 1/11/2026 6:27:26 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 18
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 1
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Worker_Year3_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Worker_Year3_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Worker_Year3_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Worker_Year3_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Worker_Year3_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_Worker_Year3_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 1/11/2026 8:02:41 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 4
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 1
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_School_Year1_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_School_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_School_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_School_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_School_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_School_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 1/11/2026 8:15:13 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 5
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 1
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_School_Year2_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_School_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_School_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_School_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_School_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_School_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 1/11/2026 8:18:19 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 6
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 1
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_School_Year3_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_School_Year3_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_School_Year3_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_School_Year3_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_School_Year3_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2025\20242046\HARP_CONST\hra\Const_School_Year3_NCAcuteRiskSumByRec.csv
HRA ran successfully